

Figure S1 mRNA expression of *AGTR1* and *NECAB1* can be partly restored by 5-aza-2'-deoxycytidine treatment in HT29 and HCT116 cells.

Aza: 5-aza-2'-deoxycytidine treatment

Table S1 The clinical characteristics of the patients

Sample	Original ID	method	Type	Sex	Age (years)	Location	Diagnose	History	TNM	Grade of Differentiation	Stage	Grade
A1	10	WGBS	Adnoma	Male	68	Hepatic flexure of colon	Tubular adenoma	Sigmoid colon cancer	-	-	-	low
A2	11	WGBS	Adnoma	Male	45	Transverse colon	Tubular adenoma	-	-	-	-	low
A3	12	WGBS	Adnoma	Male	75	Ascending colon	Tubular villous adenoma with low grade intraepithelial	righ colon cancer	-	-	-	high
A4	14	WGBS	Adnoma	Male	60	Descending colon	Tubular adenoma with low-grade intraepithelial neoplasia	-	-	-	-	low
A5	15	WGBS	Adnoma	Female	41	Splenic region of transverse colon	Tubular adenoma	-	-	-	-	low
A6	16	WGBS	Adnoma	Male	61	rectum	Tubular adenoma	-	-	-	-	low
A7	17	WGBS	Adnoma	Male	47	Ascending colon	Tubular villous	-	-	-	-	high
A8	19_1	WGBS	Adnoma	Female	38	Descending colon	Tubular adenoma	-	-	-	-	low
A9	19_2	WGBS	Adnoma	Female	38	rectum	Tubular adenoma	-	-	-	-	low
A10	23	WGBS, RNA-seq	Adnoma	Male	52	Ileocecal department	Adenomatous polyp	-	-	-	-	low
A11	27	WGBS, RNA-seq	Adnoma	Male	76	Ileocecum	Adenomatous polyp	-	-	-	-	low
A12	28	WGBS, RNA-seq	Adnoma	Male	45	Sigmoid colon	Tubular adenoma	-	-	-	-	low
A13	2	WGBS	Adnoma	Male	57	rectum	Tubular adenoma	-	-	-	-	low
A14	30	WGBS	Adnoma	Male	45	Sigmoid colon	Tubular adenoma	-	-	-	-	low
A15	32	WGBS, RNA-seq	Adnoma	Male	70	Sigmoid colon	Tubular adenoma	-	-	-	-	low
A16	3	WGBS	Adnoma	Male	76	Transverse colon	Tubular adenoma	-	-	-	-	low
A17	45	WGBS, RNA-seq	Adnoma	Female	65	Sigmoid colon	Multiple tubular adenoma	-	-	-	-	low
A18	46	WGBS, RNA-seq	Adnoma	Female	74	Sigmoid colon	Tubular adenoma	-	-	-	-	low

A19	47	WGBS, RNA-seq	Adnoma	Female	39	Transverse colon	Tubular adenoma	-	-	-	-	low
A20	48	WGBS, RNA-seq	Adnoma	Male	61	Sigmoid colon	Tubular adenoma	-	-	-	-	low
A21	4	WGBS	Adnoma	Male	61	Sigmoid colon	Tubular villous adenoma with low grade intraepithelial	-	-	-	-	high
A22	50_1	WGBS, RNA-seq	Adnoma	Male	68	Transverse colon	Tubular adenoma	-	-	-	-	low
A23	50	WGBS	Adnoma	Male	68	Transverse colon	Tubular adenoma	-	-	-	-	low
A24	8	WGBS	Adnoma	Male	67	Descending colon	adenoma	rectal cancer	-	-	-	low
A25	9	WGBS	Adnoma	Female	60	Ascending colon	Tubular villous adenoma with low grade intraepithelial	-	-	-	-	high
A26	35	RNA-seq	Adnoma	Female	48	rectum	Tubular adenoma	-	-	-	-	low
A27	39	RNA-seq	Adnoma	Female	39	Sigmoid colon	Tubular adenoma	-	-	-	-	low
A28	51	RNA-seq	Adnoma	Male	58	Sigmoid colon	Tubular adenoma	-	-	-	-	low
A29	52	RNA-seq	Adnoma	Female	61	Sigmoid colon	Villous tubular	-	-	-	-	high
C1	C106	WGBS	Tumor	Female	64	Right hemicolon	Tumor	-	-	-	IIA	low
C2	C108	WGBS	Tumor	Female	67	rectum	Tumor	-	-	-	IIIB	high
C3	c109	WGBS	Tumor	Female	41	Ascending colon	Tumor	-	-	-	IIA	low
C4	C110	WGBS	Tumor	Female	49	rectum	Tumor	-	-	-	I	low
C5	C111	WGBS	Tumor	Male	81	rectum	Tumor	-	-	-	I	low
C6	C117	WGBS	Tumor	Female	74	rectum	Tumor	-	-	-	IIA	low
C7	C119	WGBS	Tumor	Female	62	Near hepatic curvature of colon with obstruction	Tumor	-	-	-	I	low
C8	C122	WGBS	Tumor	Female	53	Malignant change of anal polyp	Tumor	-	-	-	I	low
C9	C124	WGBS	Tumor	Male	78	Sigmoid colon	Tumor	-	-	-	I	low
C10	C127	WGBS	Tumor	Male	66	Low rectum	Tumor	-	-	-	IIIB	high
C11	c135	WGBS	Tumor	Male	47	Left hemicolon	Tumor	-	-	-	IIA	low
C12	C156	WGBS, RNA-seq	Tumor	Female	74	Sigmoid colon	Tumor	-	T3N0MO	G2	IIA	low
C13	C157	WGBS, RNA-seq	Tumor	Male	58	rectum	Tumor	-	T2N0M0	G1	I	low

C14	C158	WGBS, RNA-seq	Tumor	Male	63	rectum	Tumor	-	T3N0M0	G1-G2	IIA	low
C15	C161	WGBS, RNA-seq	Tumor	Female	44	rectum	Tumor	-	T4aN1M0	G2	IIIB	high
C16	C162	WGBS, RNA-seq	Tumor	Male	53	Splenic region of colon	Tumor	-	T4aN0M0	G1-G2	IIB	high
C17	C164	WGBS, RNA-seq	Tumor	Male	33	rectum	Tumor	-	T4bN0M0	G1	IIC	high
C18	C47	WGBS	Tumor	Male	57	Liver and spleen flexure of colon	Tumor	-	T3N1bM0	G2-3	IIIb	high
C19	c63	WGBS	Tumor	Male	73	Right hemicolon	Tumor	-	T3n0M0	G2	IIA	low
C20	c77	WGBS	Tumor	Male	36	rectum	Tumor	-	T3N2bM0	-	IIIB	high
C21	c82	WGBS	Tumor	Female	52	Descending colon	Tumor	-	T3N0M0	G2	IIA	low
C22	C90	WGBS	Tumor	Male	53	Right colon (ascending colon)	Tumor	-	T4aN1aM0	G2	IIIB	high
C23	C159	RNA-seq	Tumor	Female	71	rectum	Tumor	-	T4bN0M0	G2	IIC	high
C24	C160	RNA-seq	Tumor	Female	44	Sigmoid colon	Tumor	-	T4aN0M0	G1-G2	IIB	high
C25	C163	RNA-seq	Tumor	Female	64	Sigmoid colon	Tumor	-	T3N0M0	G1-G2	IIA	low
C26	C165	RNA-seq	Tumor	Male	60	Sigmoid colon	Tumor	-	T2N2M0	G2	IIIB	high
N1	F156	WGBS, RNA-seq	Normal	Female	74	Sigmoid colon	Normal	-	-	-	-	Normal
N2	F157	WGBS, RNA-seq	Normal	Male	58	rectum	Normal	-	-	-	-	Normal
N7	F158	RNA-seq	Normal	Male	63	rectum	Normal	-	-	-	-	Normal
N3	F159	WGBS, RNA-seq	Normal	Female	71	rectum	Normal	-	-	-	-	Normal
N4	F160	WGBS, RNA-seq	Normal	Female	44	Sigmoid colon	Normal	-	-	-	-	Normal
N8	F161	RNA-seq	Normal	Female	44	rectum	Normal	-	-	-	-	Normal
N5	F162	WGBS	Normal	Male	53	Splenic region of	Normal	-	-	-	-	Normal
N6	F163	WGBS, RNA-seq	Normal	Female	64	Sigmoid colon	Normal	-	-	-	-	Normal
N9	F164	RNA-seq	Normal	Male	33	rectum	Normal	-	-	-	-	Normal
N10	F165	RNA-seq	Normal	Male	60	Sigmoid colon	Normal	-	-	-	-	Normal
AC1	15	WGBS	Normal	Female	41	Splenic region of transverse colon	Normal	-	-	-	-	Normal
AC2	16	WGBS	Normal	Male	61	rectum	Normal	-	-	-	-	Normal

AC3	17	WGBS	Normal	Male	47	Sigmoid colon	Normal	-	-	-	-	Normal
AC4	1	WGBS	Normal	Male	52	Sigmoid colon	Normal	-	-	-	-	Normal
AC5	2	WGBS	Normal	Male	57	rectum	Normal	colon cancer	-	-	-	Normal
AC6	3	WGBS	Normal	Male	76	Descending colon	Normal	-	-	-	-	Normal
AC7	5	WGBS	Normal	Female	64	Sigmoid colon	Normal	-	-	-	-	Normal
AC8	7	WGBS	Normal	Male	63	rectum	Normal	-	-	-	-	Normal

Table S2 Sample information and sequencing, alignment and methylation calling statistics

Sample	Original ID	Sequencing	Read pairs	Mapping rate	CpGs sites detected	Median coverage	CpGs > 5 cov	Median coverage for the analysed, >5 cov	Analysed CpGs common to all samples
N1	F156	PE_100bp	44369515	0.898	6638926	19	6571075	19	811441
N2	F157	PE_100bp	60814694	0.895	7012349	21	6937887	21	811441
N3	F159	PE_100bp	31414194	0.877	3558142	9	3521651	9	811441
N4	F160	PE_100bp	40291230	0.748	5638562	13	5575824	14	811441
N5	F162	PE_100bp	61673810	0.887	4991226	10	4939453	10	811441
N6	F163	PE_100bp	48264914	0.878	3074974	8	3043831	8	811441
C1	C106	PE_100bp	23902744	0.922	5261887	12	5208495	12	811441
C2	C108	PE_100bp	34989521	0.918	4899924	10	4849875	10	811441
C3	c109	PE_100bp	48165461	0.911	6652199	19	6583592	20	811441
C4	C110	PE_100bp	32386365	0.918	6071699	14	6010417	14	811441
C5	C111	PE_100bp	41459052	0.915	6058896	13	5997030	14	811441
C6	C117	PE_100bp	44900832	0.916	6555367	14	6487949	15	811441
C7	C119	PE_100bp	42468046	0.928	6193122	13	6128247	13	811441
C8	C122	PE_100bp	60207355	0.925	6710815	14	6639218	14	811441
C9	C124	PE_100bp	48940466	0.917	6770441	16	6699902	17	811441
C10	C127	PE_100bp	38522758	0.92	6805375	16	6736607	16	811441
C11	c135	PE_100bp	43213819	0.917	6778014	18	6708133	18	811441
C12	C156	PE_100bp	36615379	0.881	5920495	16	5858403	16	811441
C13	C157	PE_100bp	44065052	0.902	6723181	20	6653859	20	811441
C14	C158	PE_100bp	46998057	0.878	6922489	21	6852990	21	811441
C15	C161	PE_100bp	42225909	0.833	3472275	9	3436603	9	811441
C16	C162	PE_100bp	58626037	0.904	6304880	13	6241556	13	811441
C17	C164	PE_100bp	54360355	0.889	4283986	9	4240266	9	811441
C18	C47	PE_100bp	59757751	0.91	7214976	20	7142578	20	811441
C19	c63	PE_100bp	47463386	0.906	6670504	20	6603542	20	811441
C20	c77	PE_100bp	40584191	0.903	6365274	17	6301196	17	811441
C21	c82	PE_100bp	44056650	0.919	6776057	19	6705287	19	811441

C22	C90	PE_100bp	53322300	0.91	6822967	16	6754110	17	811441
AC1	15-b	PE_100bp	49254041	0.891	7041603	9	6966595	9	811441
AC2	16-b	PE_100bp	41054893	0.862	5719629	9	5655118	9	811441
AC3	17-b	PE_100bp	48264408	0.886	5862984	9	5803619	9	811441
AC4	1-b	PE_100bp	38980398	0.849	6332743	19	6267379	19	811441
AC5	2-b	PE_100bp	38755216	0.87	4969627	7	4919346	7	811441
AC6	3-b	PE_100bp	36873493	0.864	6459577	7	6394266	7	811441
AC7	5-b	PE_100bp	44859895	0.863	7489920	19	7412513	19	811441
AC8	7-b	PE_100bp	47042132	0.896	6804720	20	6733938	20	811441
A1	10-a	PE_100bp	41993294	0.932	6309630	24	6245394	25	811441
A2	11-a	PE_100bp	42405799	0.929	6347854	23	6282708	24	811441
A3	12-a	PE_100bp	57506727	0.888	6809398	31	6741050	32	811441
A4	14-a	PE_100bp	48630114	0.695	6356099	18	6292437	19	811441
A5	15-a	PE_100bp	47680074	0.933	6628872	26	6562064	26	811441
A6	16-a	PE_100bp	39259214	0.893	5071808	11	5018217	11	811441
A7	17-a	PE_100bp	50186045	0.888	7222599	15	7149578	15	811441
A8	19_1	PE_100bp	34130900	0.863	5818962	16	5757759	16	811441
A9	19_2	PE_100bp	53755747	0.816	9007183	10	8914472	10	811441
A10	23	PE_100bp	57798489	0.92	7397909	22	7323726	23	811441
A11	27	PE_100bp	54757773	0.911	7166514	30	7094841	30	811441
A12	28	PE_100bp	40312636	0.912	6569695	23	6502564	23	811441
A13	2-a	PE_100bp	52346801	0.786	9896465	12	9795454	12	811441
A14	30	PE_100bp	54539014	0.888	7169534	30	7097208	31	811441
A15	32	PE_100bp	53258363	0.878	7521676	13	7443475	13	811441
A16	3-a	PE_100bp	47842433	0.851	11368003	8	11252491	8	811441
A17	45	PE_100bp	35860156	0.932	5985564	20	5924477	20	811441
A18	46	PE_100bp	79947174	0.906	7869557	34	7789711	34	811441
A19	47	PE_100bp	39201886	0.908	6264149	17	6200470	17	811441
A20	48	PE_100bp	49706709	0.918	6712536	22	6643054	22	811441
A21	4-a	PE_100bp	62575339	0.821	8071359	25	7989699	25	811441

A22	50_1	PE_100bp	37090512	0.922	5974328	17	5909599	17	811441
A23	50	PE_100bp	50783256	0.913	7080410	21	7009015	22	811441
A24	8-a	PE_100bp	47057182	0.816	6741305	13	6671280	14	811441
A25	9-a	PE_100bp	61517162	0.851	7665016	24	7587786	25	811441

Table S3 Differentially methylated positions between colorectal adenoma and normal contorls

chr	start	end	strand	pvalue	qvalue	meth.diff	status	sig	loc
chr2	2.31E+08	231398785	+	4.22E-125	3.4237E-119	0.365654	hyper	sig	chr2_231398785
chr16	1549080	1549080	+	2.53E-124	6.835E-119	-0.41507	hypo	sig	chr16_1549080
chr3	49902757	49902757	+	1.71E-124	6.835E-119	-0.44026	hypo	sig	chr3_49902757
chr2	2.31E+08	231398794	+	5.06E-115	1.0266E-109	0.345693	hyper	sig	chr2_231398794
chr16	1549015	1549015	+	1.36E-113	2.2104E-108	-0.41995	hypo	sig	chr16_1549015
chr2	2.31E+08	231398810	+	2.67E-113	3.6176E-108	0.373271	hyper	sig	chr2_231398810
chr16	1548865	1548865	+	3.67E-113	4.2535E-108	-0.4603	hypo	sig	chr16_1548865
chr2	2.31E+08	231398769	+	7.31E-113	7.417E-108	0.356666	hyper	sig	chr2_231398769
chr1	2E+08	200041553	+	1.88E-112	1.6966E-107	0.482491	hyper	sig	chr1_200041553
chr19	36797515	36797515	+	1.53E-111	1.2426E-106	0.441203	hyper	sig	chr19_36797515
chr19	36797501	36797501	+	6.56E-111	4.8363E-106	0.433581	hyper	sig	chr19_36797501
chr2	2.31E+08	231398821	+	1.52E-110	1.0258E-105	0.355858	hyper	sig	chr2_231398821
chr1	6273783	6273783	+	1.73E-110	1.0781E-105	-0.47488	hypo	sig	chr1_6273783
chr1	2E+08	200041555	+	8.24E-110	4.7772E-105	0.471338	hyper	sig	chr1_200041555
chr2	2.31E+08	231398823	+	1.13E-108	6.1111E-104	0.354713	hyper	sig	chr2_231398823
chr3	49902951	49902951	+	1.32E-107	6.7107E-103	-0.44672	hypo	sig	chr3_49902951
chr16	1549094	1549094	+	4.07E-107	1.8361E-102	-0.3894	hypo	sig	chr16_1549094
chr2	66433043	66433043	+	4.02E-107	1.8361E-102	0.40997	hyper	sig	chr2_66433043
chr8	66432353	66432353	+	5.07E-107	2.1669E-102	0.361643	hyper	sig	chr8_66432353
chr6	33976006	33976006	+	1.52E-106	6.1773E-102	0.472027	hyper	sig	chr6_33976006
chr1	2E+08	200041580	+	1.71E-106	6.6097E-102	0.475956	hyper	sig	chr1_200041580
chr19	36797450	36797450	+	2.28E-106	8.4156E-102	0.452639	hyper	sig	chr19_36797450
chr8	66432701	66432701	+	9.59E-106	3.383E-101	0.450213	hyper	sig	chr8_66432701
chr1	6273787	6273787	+	1.08E-105	3.6583E-101	-0.46933	hypo	sig	chr1_6273787
chr19	36797624	36797624	+	1.44E-105	4.6856E-101	0.445511	hyper	sig	chr19_36797624
chr2	66433066	66433066	+	6.54E-105	2.0408E-100	0.391642	hyper	sig	chr2_66433066
chr1	6273751	6273751	+	8.42E-105	2.531E-100	-0.46652	hypo	sig	chr1_6273751
chr19	36797603	36797603	+	1.12E-104	3.2491E-100	0.43741	hyper	sig	chr19_36797603
chr3	49902969	49902969	+	2.26E-104	6.3139E-100	-0.45286	hypo	sig	chr3_49902969
chr1	2E+08	200041638	+	2.58E-102	6.9806E-98	0.514316	hyper	sig	chr1_200041638
chr2	2.31E+08	231401243	+	5.65E-102	1.47871E-97	0.348522	hyper	sig	chr2_231401243
chr2	66433058	66433058	+	6.41E-102	1.62512E-97	0.402927	hyper	sig	chr2_66433058
chr3	49902729	49902729	+	7.45E-102	1.83084E-97	-0.42835	hypo	sig	chr3_49902729
chr1	6273768	6273768	+	7.77E-102	1.85333E-97	-0.46367	hypo	sig	chr1_6273768
chr19	36797493	36797493	+	8.96E-102	2.07716E-97	0.433481	hyper	sig	chr19_36797493
chr16	87407922	87407922	+	5.64E-101	1.27081E-96	-0.46172	hypo	sig	chr16_87407922
chr6	33976068	33976068	+	5.8E-101	1.27241E-96	0.464588	hyper	sig	chr6_33976068
chr2	66433062	66433062	+	6.4E-101	1.36685E-96	0.38028	hyper	sig	chr2_66433062
chr14	94388758	94388758	+	1.08E-100	2.24912E-96	-0.4618	hypo	sig	chr14_94388758
chr16	87407966	87407966	+	6.07E-100	1.23077E-95	-0.45067	hypo	sig	chr16_87407966
chr19	36797509	36797509	+	1.26E-99	2.48777E-95	0.390034	hyper	sig	chr19_36797509
chr16	89096947	89096947	+	3.78E-99	7.29369E-95	0.435338	hyper	sig	chr16_89096947
chr1	47446268	47446268	+	7.685E-98	1.45022E-93	0.468472	hyper	sig	chr1_47446268
chr16	88155067	88155067	+	9.816E-98	1.81029E-93	-0.45894	hypo	sig	chr16_88155067
chr16	87407882	87407882	+	1.058E-97	1.90802E-93	-0.46078	hypo	sig	chr16_87407882
chr2	2.31E+08	231401268	+	3.596E-97	6.34323E-93	0.325318	hyper	sig	chr2_231401268
chr2	1665313	1665313	+	1.151E-96	1.98745E-92	-0.44889	hypo	sig	chr2_1665313
chr8	66432336	66432336	+	1.39E-96	2.34924E-92	0.356327	hyper	sig	chr8_66432336
chr16	1548846	1548846	+	1.57E-96	2.59919E-92	-0.46221	hypo	sig	chr16_1548846
chr6	33975990	33975990	+	2.151E-95	3.49132E-91	0.468672	hyper	sig	chr6_33975990
chr16	87408001	87408001	+	2.699E-95	4.29434E-91	-0.43235	hypo	sig	chr16_87408001
chr2	66433016	66433016	+	3.542E-95	5.52786E-91	0.388169	hyper	sig	chr2_66433016
chr20	21509926	21509926	+	1.017E-94	1.55641E-90	0.374762	hyper	sig	chr20_21509926

chr1	6273736	6273736	+	1.152E-94	1.73182E-90	-0.45957	hypo	sig	chr1_6273736
chr16	87408010	87408010	+	1.291E-94	1.90412E-90	-0.48033	hypo	sig	chr16_87408010
chr1	6273746	6273746	+	1.477E-94	2.13966E-90	-0.45348	hypo	sig	chr1_6273746
chr6	33975993	33975993	+	2.29E-94	3.2599E-90	0.451877	hyper	sig	chr6_33975993
chr19	36797635	36797635	+	2.653E-94	3.71194E-90	0.43019	hyper	sig	chr19_36797635
chr6	33976066	33976066	+	6.796E-94	9.34626E-90	0.452476	hyper	sig	chr6_33976066
chr19	36797487	36797487	+	1.147E-93	1.55174E-89	0.417657	hyper	sig	chr19_36797487
chr3	49902765	49902765	+	1.234E-93	1.64137E-89	-0.40431	hypo	sig	chr3_49902765
chr16	87407962	87407962	+	2.818E-93	3.68854E-89	-0.44047	hypo	sig	chr16_87407962
chr16	1549096	1549096	+	3.414E-93	4.39707E-89	-0.35715	hypo	sig	chr16_1549096
chr19	36797441	36797441	+	4.077E-93	5.16914E-89	0.426008	hyper	sig	chr19_36797441
chr3	49902774	49902774	+	6.948E-93	8.67361E-89	-0.39595	hypo	sig	chr3_49902774
chr1	15758263	15758263	+	8.018E-93	9.85811E-89	0.41008	hyper	sig	chr1_15758263
chr1	15758335	15758335	+	8.432E-93	1.02119E-88	0.453337	hyper	sig	chr1_15758335
chr16	87408035	87408035	+	9.397E-93	1.12138E-88	-0.4172	hypo	sig	chr16_87408035
chr2	66433002	66433002	+	9.68E-93	1.13841E-88	0.360004	hyper	sig	chr2_66433002
chr16	1548920	1548920	+	9.942E-93	1.15243E-88	-0.41336	hypo	sig	chr16_1548920
chr2	2.31E+08	231401247	+	6.235E-92	7.12637E-88	0.340306	hyper	sig	chr2_231401247
chr7	93890121	93890121	+	6.808E-92	7.67215E-88	0.320438	hyper	sig	chr7_93890121
chr2	1.2E+08	120466228	+	7.833E-92	8.70696E-88	-0.41653	hypo	sig	chr2_120466228
chr19	36797621	36797621	+	5.002E-91	5.48489E-87	0.432097	hyper	sig	chr19_36797621
chr1	2E+08	200041504	+	5.303E-91	5.73746E-87	0.450665	hyper	sig	chr1_200041504
chr3	49902687	49902687	+	1.33E-90	1.42013E-86	-0.45545	hypo	sig	chr3_49902687
chr17	82457593	82457593	+	1.373E-90	1.44715E-86	-0.45526	hypo	sig	chr17_82457593
chr6	33976060	33976060	+	2.332E-90	2.42563E-86	0.421738	hyper	sig	chr6_33976060
chr11	1152508	1152508	+	2.888E-90	2.9659E-86	-0.39473	hypo	sig	chr11_1152508
chr7	1.56E+08	155951850	+	3.347E-90	3.39506E-86	-0.48389	hypo	sig	chr7_155951850
chr2	2.31E+08	231398744	+	4.256E-90	4.26349E-86	0.353128	hyper	sig	chr2_231398744
chr16	87407872	87407872	+	6.517E-90	6.44923E-86	-0.45492	hypo	sig	chr16_87407872
chr1	47446284	47446284	+	1.222E-89	1.19479E-85	0.445073	hyper	sig	chr1_47446284
chr6	30769493	30769493	+	1.588E-89	1.53411E-85	-0.38469	hypo	sig	chr6_30769493
chr15	79090442	79090442	+	1.805E-89	1.72359E-85	0.373014	hyper	sig	chr15_79090442
chr7	1.56E+08	155951880	+	2.161E-89	2.03941E-85	-0.50447	hypo	sig	chr7_155951880
chr11	68843238	68843238	+	2.497E-89	2.32914E-85	-0.31239	hypo	sig	chr11_68843238
chr16	87407897	87407897	+	3.769E-89	3.47511E-85	-0.43051	hypo	sig	chr16_87407897
chr4	1.07E+08	107035849	+	4.662E-89	4.2509E-85	0.367595	hyper	sig	chr4_107035849
chr16	51151500	51151500	+	5.799E-89	5.22851E-85	0.355045	hyper	sig	chr16_51151500
chr2	66433033	66433033	+	7.151E-89	6.37673E-85	0.401483	hyper	sig	chr2_66433033
chr8	66432375	66432375	+	8.736E-89	7.70524E-85	0.343866	hyper	sig	chr8_66432375
chr16	87407956	87407956	+	9.231E-89	8.05429E-85	-0.43181	hypo	sig	chr16_87407956
chr2	1665338	1665338	+	2.293E-88	1.97982E-84	-0.44441	hypo	sig	chr2_1665338
chr7	93890200	93890200	+	2.407E-88	2.05563E-84	0.368863	hyper	sig	chr7_93890200
chr1	2E+08	200041660	+	2.717E-88	2.29691E-84	0.527473	hyper	sig	chr1_200041660
chr6	1.68E+08	168227959	+	1.093E-87	9.1415E-84	-0.43881	hypo	sig	chr6_168227959
chr5	1.35E+08	135028229	+	1.316E-87	1.08939E-83	0.504024	hyper	sig	chr5_135028229
chr19	36797638	36797638	+	1.478E-87	1.21109E-83	0.408846	hyper	sig	chr19_36797638
chr8	1.44E+08	143950459	+	2.081E-87	1.68848E-83	-0.44448	hypo	sig	chr8_143950459
chr19	56368585	56368585	+	2.563E-87	2.05931E-83	0.465795	hyper	sig	chr19_56368585
chr2	2.31E+08	231401256	+	3.186E-87	2.53474E-83	0.315784	hyper	sig	chr2_231401256
chr4	6694006	6694006	+	3.223E-87	2.53773E-83	-0.49886	hypo	sig	chr4_6694006
chr6	33976063	33976063	+	3.253E-87	2.53773E-83	0.432098	hyper	sig	chr6_33976063
chr11	1114048	1114048	+	3.374E-87	2.60718E-83	-0.38718	hypo	sig	chr11_1114048
chr2	2.31E+08	231401251	+	4.138E-87	3.16756E-83	0.33972	hyper	sig	chr2_231401251
chr6	1.68E+08	167678390	+	5.628E-87	4.26838E-83	0.423269	hyper	sig	chr6_167678390
chr2	2.31E+08	231398832	+	6.239E-87	4.68789E-83	0.348965	hyper	sig	chr2_231398832
chr16	361390	361390	+	2.562E-86	1.9076E-82	-0.3747	hypo	sig	chr16_361390

chr13	1.1E+08	109781677	+	3.356E-86	2.4755E-82	-0.46781	hypo	sig	chr13_109781677
chr2	66433004	66433004	+	3.616E-86	2.64321E-82	0.3462	hyper	sig	chr2_66433004
chr2	2.31E+08	231401231	+	3.733E-86	2.70462E-82	0.344947	hyper	sig	chr2_231401231
chr6	30112412	30112412	+	4.906E-86	3.52314E-82	-0.48761	hypo	sig	chr6_30112412
chr2	2.42E+08	241852800	+	5.088E-86	3.6213E-82	-0.37307	hypo	sig	chr2_241852800
chr1	2.08E+08	207645148	+	5.15E-86	3.63399E-82	0.418981	hyper	sig	chr1_207645148
chr13	1.11E+08	111423701	+	6.534E-86	4.57053E-82	-0.49692	hypo	sig	chr13_111423701
chr1	6273807	6273807	+	9.421E-86	6.53367E-82	-0.43002	hypo	sig	chr1_6273807
chr16	88155097	88155097	+	1.082E-85	7.4399E-82	-0.38825	hypo	sig	chr16_88155097
chr7	93890234	93890234	+	1.276E-85	8.69935E-82	0.394485	hyper	sig	chr7_93890234
chr16	87407991	87407991	+	4.694E-85	3.17377E-81	-0.41081	hypo	sig	chr16_87407991
chr4	6693981	6693981	+	8.255E-85	5.53598E-81	-0.42497	hypo	sig	chr4_6693981
chr3	27723918	27723918	+	9.97E-85	6.63136E-81	0.379539	hyper	sig	chr3_27723918
chr18	904931	904931	+	1.421E-84	9.37738E-81	0.458038	hyper	sig	chr18_904931
chr11	1114020	1114020	+	2.058E-84	1.33622E-80	-0.37559	hypo	sig	chr11_1114020
chr4	1.07E+08	107035791	+	2.046E-84	1.33622E-80	0.414912	hyper	sig	chr4_107035791
chr1	1539784	1539784	+	2.523E-84	1.62496E-80	0.455582	hyper	sig	chr1_1539784
chr12	1.24E+08	123931768	+	3.997E-84	2.55369E-80	-0.39548	hypo	sig	chr12_123931768
chr16	87408053	87408053	+	7.215E-84	4.57404E-80	-0.39863	hypo	sig	chr16_87408053
chr7	1.56E+08	155951852	+	1.46E-83	9.181E-80	-0.46793	hypo	sig	chr7_155951852
chr16	87407841	87407841	+	1.841E-83	1.14887E-79	-0.45828	hypo	sig	chr16_87407841
chr16	361376	361376	+	2.559E-83	1.58535E-79	-0.372	hypo	sig	chr16_361376
chr11	1152497	1152497	+	3.882E-83	2.38622E-79	-0.3448	hypo	sig	chr11_1152497
chr13	1.11E+08	111423712	+	4.034E-83	2.46099E-79	-0.51334	hypo	sig	chr13_111423712
chr2	2.31E+08	231398311	+	4.371E-83	2.64706E-79	0.319668	hyper	sig	chr2_231398311
chr16	361406	361406	+	6.21E-83	3.7324E-79	-0.41078	hypo	sig	chr16_361406
chr16	87407988	87407988	+	7.796E-83	4.62679E-79	-0.40876	hypo	sig	chr16_87407988
chr4	1.07E+08	107035854	+	7.812E-83	4.62679E-79	0.398981	hyper	sig	chr4_107035854
chr3	49902684	49902684	+	7.974E-83	4.6885E-79	-0.44093	hypo	sig	chr3_49902684
chr19	36797413	36797413	+	8.353E-83	4.87646E-79	0.383078	hyper	sig	chr19_36797413
chr1	15758345	15758345	+	1.005E-82	5.82488E-79	0.453075	hyper	sig	chr1_15758345
chr19	36797470	36797470	+	1.367E-82	7.86521E-79	0.341496	hyper	sig	chr19_36797470
chr16	67161858	67161858	+	1.479E-82	8.45066E-79	-0.39704	hypo	sig	chr16_67161858
chr8	66432685	66432685	+	1.682E-82	9.54188E-79	0.405094	hyper	sig	chr8_66432685
chr20	21509936	21509936	+	2.928E-82	1.65002E-78	0.319914	hyper	sig	chr20_21509936
chr1	47446320	47446320	+	3.491E-82	1.9534E-78	0.424656	hyper	sig	chr1_47446320
chr7	5303216	5303216	+	3.884E-82	2.1589E-78	-0.47489	hypo	sig	chr7_5303216
chr16	361394	361394	+	7.889E-82	4.35473E-78	-0.39343	hypo	sig	chr16_361394
chr15	79090427	79090427	+	9.122E-82	4.96788E-78	0.35715	hyper	sig	chr15_79090427
chr8	71842815	71842815	+	9.067E-82	4.96788E-78	0.446637	hyper	sig	chr8_71842815
chr1	75130474	75130474	+	1.487E-81	8.04656E-78	0.358054	hyper	sig	chr1_75130474
chr19	56368560	56368560	+	1.918E-81	1.03076E-77	0.450021	hyper	sig	chr19_56368560
chr3	27723842	27723842	+	2.681E-81	1.43119E-77	0.454137	hyper	sig	chr3_27723842
chr15	79090440	79090440	+	2.972E-81	1.5762E-77	0.36195	hyper	sig	chr15_79090440
chr1	2E+08	200041522	+	3.303E-81	1.72907E-77	0.431215	hyper	sig	chr1_200041522
chr5	1.75E+08	174732004	+	3.29E-81	1.72907E-77	0.452108	hyper	sig	chr5_174732004
chr2	1.2E+08	120466203	+	3.713E-81	1.93119E-77	-0.3806	hypo	sig	chr2_120466203
chr3	49902693	49902693	+	4.625E-81	2.39041E-77	-0.42359	hypo	sig	chr3_49902693
chr7	93890209	93890209	+	4.961E-81	2.54798E-77	0.373586	hyper	sig	chr7_93890209
chr13	27928482	27928482	+	5.153E-81	2.61355E-77	0.387803	hyper	sig	chr13_27928482
chr6	1E+08	100464244	+	5.136E-81	2.61355E-77	0.377515	hyper	sig	chr6_100464244
chr11	68843262	68843262	+	5.728E-81	2.88669E-77	-0.30575	hypo	sig	chr11_68843262
chr13	27928484	27928484	+	7.637E-81	3.82552E-77	0.387692	hyper	sig	chr13_27928484
chr5	1.75E+08	174732610	+	1.169E-80	5.82076E-77	0.461493	hyper	sig	chr5_174732610
chr1	47446301	47446301	+	1.293E-80	6.37941E-77	0.416681	hyper	sig	chr1_47446301
chr20	21509875	21509875	+	1.297E-80	6.37941E-77	0.387544	hyper	sig	chr20_21509875

chr13	1.11E+08	111423689	+	1.456E-80	7.1183E-77	-0.47374	hypo	sig	chr13_111423689
chr17	82457574	82457574	+	1.719E-80	8.35061E-77	-0.4146	hypo	sig	chr17_82457574
chr6	1E+08	100464223	+	2.169E-80	1.04786E-76	0.352976	hyper	sig	chr6_100464223
chr6	1E+08	100464248	+	2.496E-80	1.19856E-76	0.353877	hyper	sig	chr6_100464248
chr4	1.07E+08	107035798	+	2.637E-80	1.25861E-76	0.376495	hyper	sig	chr4_107035798
chr17	82457587	82457587	+	3.129E-80	1.48473E-76	-0.41952	hypo	sig	chr17_82457587
chr5	1.41E+08	141476826	+	4.731E-80	2.23183E-76	0.34163	hyper	sig	chr5_141476826
chr7	97022225	97022225	+	6.262E-80	2.93737E-76	0.398392	hyper	sig	chr7_97022225
chr16	85620597	85620597	+	7.732E-80	3.60562E-76	-0.35459	hypo	sig	chr16_85620597
chr6	1E+08	100464240	+	9.277E-80	4.30159E-76	0.370392	hyper	sig	chr6_100464240
chr11	1114011	1114011	+	9.547E-80	4.4016E-76	-0.37376	hypo	sig	chr11_1114011
chr11	68843275	68843275	+	1.007E-79	4.61579E-76	-0.31314	hypo	sig	chr11_68843275
chr1	2E+08	200038481	+	1.306E-79	5.95545E-76	0.41258	hyper	sig	chr1_200038481
chr4	6693995	6693995	+	1.458E-79	6.60927E-76	-0.45009	hypo	sig	chr4_6693995
chr16	87407949	87407949	+	1.911E-79	8.61671E-76	-0.40084	hypo	sig	chr16_87407949
chr13	1.1E+08	109781683	+	2.412E-79	1.08145E-75	-0.45014	hypo	sig	chr13_109781683
chr15	79090432	79090432	+	2.662E-79	1.187E-75	0.351062	hyper	sig	chr15_79090432
chr11	1075718	1075718	+	3.334E-79	1.47847E-75	-0.4252	hypo	sig	chr11_1075718
chr13	1.13E+08	112995199	+	3.388E-79	1.49126E-75	-0.44686	hypo	sig	chr13_112995199
chr8	66432321	66432321	+	3.4E-79	1.49126E-75	0.334782	hyper	sig	chr8_66432321
chr8	66432314	66432314	+	3.5E-79	1.52694E-75	0.332235	hyper	sig	chr8_66432314
chr7	27102717	27102717	+	4.378E-79	1.8997E-75	0.420997	hyper	sig	chr7_27102717
chr21	46296637	46296637	+	5.42E-79	2.33929E-75	0.456506	hyper	sig	chr21_46296637
chr19	56368564	56368564	+	6.558E-79	2.81555E-75	0.467459	hyper	sig	chr19_56368564
chr19	1399179	1399179	+	8.907E-79	3.80389E-75	-0.42551	hypo	sig	chr19_1399179
chr5	1.35E+08	135028245	+	9.019E-79	3.83165E-75	0.478239	hyper	sig	chr5_135028245
chr13	1.13E+08	112995193	+	1.032E-78	4.36242E-75	-0.46002	hypo	sig	chr13_112995193
chr4	6693937	6693937	+	1.094E-78	4.59891E-75	-0.38952	hypo	sig	chr4_6693937
chr11	1152642	1152642	+	1.21E-78	5.06093E-75	-0.41076	hypo	sig	chr11_1152642
chr20	21517615	21517615	+	1.492E-78	6.20847E-75	0.385236	hyper	sig	chr20_21517615
chr16	29311003	29311003	+	1.859E-78	7.69447E-75	-0.43084	hypo	sig	chr16_29311003
chr11	1114000	1114000	+	1.903E-78	7.83917E-75	-0.34761	hypo	sig	chr11_1114000
chr1	6273847	6273847	+	2.008E-78	8.22922E-75	-0.43497	hypo	sig	chr1_6273847
chr19	57351689	57351689	+	2.499E-78	1.01918E-74	0.463883	hyper	sig	chr19_57351689
chr4	42152876	42152876	+	2.712E-78	1.10017E-74	0.405695	hyper	sig	chr4_42152876
chr2	2.31E+08	231398319	+	2.804E-78	1.13201E-74	0.312936	hyper	sig	chr2_231398319
chr13	1.1E+08	109781669	+	3.448E-78	1.38498E-74	-0.45262	hypo	sig	chr13_109781669
chr19	22634303	22634303	+	3.62E-78	1.44712E-74	0.391035	hyper	sig	chr19_22634303
chr1	2E+08	200038548	+	5.369E-78	2.13564E-74	0.479976	hyper	sig	chr1_200038548
chr13	1.11E+08	111423669	+	6.291E-78	2.48149E-74	-0.44509	hypo	sig	chr13_111423669
chr5	1.14E+08	114056303	+	6.3E-78	2.48149E-74	0.378083	hyper	sig	chr5_114056303
chr18	904959	904959	+	8.456E-78	3.31491E-74	0.431485	hyper	sig	chr18_904959
chr6	31776065	31776065	+	9.899E-78	3.86181E-74	-0.31831	hypo	sig	chr6_31776065
chr11	1.06E+08	105610733	+	1.173E-77	4.55306E-74	0.379761	hyper	sig	chr11_105610733
chr20	21509934	21509934	+	1.323E-77	5.11215E-74	0.339883	hyper	sig	chr20_21509934
chr7	93890245	93890245	+	1.505E-77	5.78637E-74	0.402723	hyper	sig	chr7_93890245
chr2	2.31E+08	231401224	+	1.54E-77	5.89364E-74	0.353784	hyper	sig	chr2_231401224
chr2	2.42E+08	241852750	+	1.686E-77	6.42424E-74	-0.39269	hypo	sig	chr2_241852750
chr5	1.75E+08	174732018	+	1.805E-77	6.84577E-74	0.442754	hyper	sig	chr5_174732018
chr8	66432318	66432318	+	1.868E-77	7.0507E-74	0.329055	hyper	sig	chr8_66432318
chr1	47446243	47446243	+	1.878E-77	7.05611E-74	0.446189	hyper	sig	chr1_47446243
chr19	36797658	36797658	+	1.98E-77	7.4045E-74	0.3903	hyper	sig	chr19_36797658
chr19	36797389	36797389	+	2.569E-77	9.56078E-74	0.368383	hyper	sig	chr19_36797389
chr14	85532119	85532119	+	2.684E-77	9.94433E-74	0.37777	hyper	sig	chr14_85532119
chr4	1.07E+08	107035862	+	3.034E-77	1.11923E-73	0.351701	hyper	sig	chr4_107035862
chr2	1665331	1665331	+	4.1E-77	1.50542E-73	-0.40815	hypo	sig	chr2_1665331

chr1	15758274	15758274	+	4.224E-77	1.54405E-73	0.333392	hyper	sig	chr1_15758274
chr2	2.42E+08	241852713	+	5.636E-77	2.05082E-73	-0.40519	hypo	sig	chr2_241852713
chr1	15758348	15758348	+	6.859E-77	2.48457E-73	0.428213	hyper	sig	chr1_15758348
chr5	1.41E+08	141478298	+	7.737E-77	2.79028E-73	0.353366	hyper	sig	chr5_141478298
chr15	41894896	41894896	+	1.221E-76	4.38448E-73	-0.24386	hypo	sig	chr15_41894896
chr7	1568151	1568151	+	1.367E-76	4.88633E-73	-0.37827	hypo	sig	chr7_1568151
chr5	1.35E+08	135028249	+	1.382E-76	4.91941E-73	0.470671	hyper	sig	chr5_135028249
chr6	30769454	30769454	+	1.389E-76	4.92037E-73	-0.37091	hypo	sig	chr6_30769454
chr20	21509877	21509877	+	1.738E-76	6.13276E-73	0.342059	hyper	sig	chr20_21509877
chr2	2.31E+08	231398322	+	1.781E-76	6.25596E-73	0.300865	hyper	sig	chr2_231398322
chr10	7408443	7408443	+	1.821E-76	6.36899E-73	0.386245	hyper	sig	chr10_7408443
chr5	1.19E+08	119355312	+	2.294E-76	7.98803E-73	-0.41552	hypo	sig	chr5_119355312
chr19	21474768	21474768	+	2.553E-76	8.85468E-73	0.459935	hyper	sig	chr19_21474768
chr2	2.42E+08	241852746	+	2.712E-76	9.36391E-73	-0.38258	hypo	sig	chr2_241852746
chr9	1.37E+08	137031308	+	2.752E-76	9.46221E-73	-0.38689	hypo	sig	chr9_137031308
chr11	1075721	1075721	+	3.025E-76	1.0357E-72	-0.40471	hypo	sig	chr11_1075721
chr6	33976078	33976078	+	3.544E-76	1.2084E-72	0.433998	hyper	sig	chr6_33976078
chr4	6693988	6693988	+	3.633E-76	1.23345E-72	-0.41523	hypo	sig	chr4_6693988
chr1	47434593	47434593	+	3.797E-76	1.28388E-72	0.365884	hyper	sig	chr1_47434593
chr6	1.7E+08	170444225	+	5.11E-76	1.72043E-72	-0.47867	hypo	sig	chr6_170444225
chr7	1.56E+08	155951837	+	5.342E-76	1.79109E-72	-0.45726	hypo	sig	chr7_155951837
chr3	44022101	44022101	+	7.272E-76	2.42819E-72	0.330053	hyper	sig	chr3_44022101
chr1	2E+08	200041142	+	8.086E-76	2.68909E-72	0.390729	hyper	sig	chr1_200041142
chr7	5303222	5303222	+	8.754E-76	2.89921E-72	-0.46177	hypo	sig	chr7_5303222
chr14	85532108	85532108	+	9.072E-76	2.99232E-72	0.375227	hyper	sig	chr14_85532108
chr3	27723852	27723852	+	9.428E-76	3.08465E-72	0.432631	hyper	sig	chr3_27723852
chr6	1.66E+08	166478357	+	9.392E-76	3.08465E-72	-0.3706	hypo	sig	chr6_166478357
chr20	63494929	63494929	+	1.144E-75	3.72918E-72	-0.42578	hypo	sig	chr20_63494929
chr5	1.41E+08	141476824	+	1.333E-75	4.32711E-72	0.303483	hyper	sig	chr5_141476824
chr16	85620590	85620590	+	1.346E-75	4.35055E-72	-0.34507	hypo	sig	chr16_85620590
chr5	6349432	6349432	+	1.44E-75	4.63664E-72	-0.41623	hypo	sig	chr5_6349432
chr5	1.35E+08	135027975	+	1.599E-75	5.12974E-72	0.449856	hyper	sig	chr5_135027975
chr6	29553974	29553974	+	1.614E-75	5.15466E-72	0.406597	hyper	sig	chr6_29553974
chr6	1.68E+08	167678450	+	1.924E-75	6.12185E-72	0.412356	hyper	sig	chr6_167678450
chr16	87408023	87408023	+	2.648E-75	8.394E-72	-0.42187	hypo	sig	chr16_87408023
chr1	47434606	47434606	+	3.732E-75	1.17824E-71	0.372296	hyper	sig	chr1_47434606
chr3	1.96E+08	196180187	+	3.974E-75	1.24997E-71	-0.36021	hypo	sig	chr3_196180187
chr3	44022082	44022082	+	4.098E-75	1.28391E-71	0.310089	hyper	sig	chr3_44022082
chr1	2E+08	200041155	+	4.497E-75	1.4034E-71	0.412341	hyper	sig	chr1_200041155
chr8	71842718	71842718	+	5.631E-75	1.75057E-71	0.387533	hyper	sig	chr8_71842718
chr11	1114055	1114055	+	6.232E-75	1.92998E-71	-0.36338	hypo	sig	chr11_1114055
chr19	36797649	36797649	+	6.879E-75	2.12233E-71	0.394259	hyper	sig	chr19_36797649
chr16	361398	361398	+	1.04E-74	3.19766E-71	-0.3801	hypo	sig	chr16_361398
chr16	88415933	88415933	+	1.205E-74	3.6901E-71	-0.44266	hypo	sig	chr16_88415933
chr16	87408064	87408064	+	1.225E-74	3.73718E-71	-0.37437	hypo	sig	chr16_87408064
chr1	2E+08	200041160	+	1.266E-74	3.8476E-71	0.400228	hyper	sig	chr1_200041160
chr12	72273363	72273363	+	1.44E-74	4.35926E-71	0.342088	hyper	sig	chr12_72273363
chr16	71426420	71426420	+	1.531E-74	4.61776E-71	0.343847	hyper	sig	chr16_71426420
chr5	1.75E+08	174732055	+	1.673E-74	5.02738E-71	0.399507	hyper	sig	chr5_174732055
chr1	1539728	1539728	+	1.912E-74	5.72507E-71	0.457091	hyper	sig	chr1_1539728
chr1	2E+08	200041203	+	1.994E-74	5.94845E-71	0.426272	hyper	sig	chr1_200041203
chr13	27924312	27924312	+	2.32E-74	6.89709E-71	0.437575	hyper	sig	chr13_27924312
chr1	2.36E+08	236155132	+	2.399E-74	7.1041E-71	-0.36348	hypo	sig	chr1_236155132
chr9	1.36E+08	136334504	+	2.456E-74	7.2469E-71	-0.42711	hypo	sig	chr9_136334504
chr12	89350335	89350335	+	2.627E-74	7.72204E-71	-0.47075	hypo	sig	chr12_89350335
chr13	1.1E+08	109781697	+	2.987E-74	8.75034E-71	-0.44052	hypo	sig	chr13_109781697

chr2	2.31E+08	231398751	+	3.001E-74	8.75905E-71	0.330054	hyper	sig	chr2_231398751
chr7	27102667	27102667	+	3.337E-74	9.70467E-71	0.404015	hyper	sig	chr7_27102667
chr9	970596	970596	+	3.792E-74	1.09893E-70	0.36186	hyper	sig	chr9_970596
chr19	56368554	56368554	+	3.938E-74	1.13713E-70	0.433754	hyper	sig	chr19_56368554
chr1	1539761	1539761	+	3.995E-74	1.14941E-70	0.423216	hyper	sig	chr1_1539761
chr14	85532121	85532121	+	4.013E-74	1.15051E-70	0.362253	hyper	sig	chr14_85532121
chr3	1.96E+08	196180210	+	4.16E-74	1.18872E-70	-0.3688	hypo	sig	chr3_196180210
chr10	26218457	26218457	+	4.467E-74	1.27179E-70	0.398451	hyper	sig	chr10_26218457
chr4	15787746	15787746	+	4.767E-74	1.3526E-70	-0.43315	hypo	sig	chr4_15787746
chr16	29310976	29310976	+	5.589E-74	1.58011E-70	-0.42804	hypo	sig	chr16_29310976
chr1	2.36E+08	236155127	+	6.639E-74	1.87053E-70	-0.39808	hypo	sig	chr1_236155127
chr2	2.42E+08	241852789	+	7.045E-74	1.978E-70	-0.36484	hypo	sig	chr2_241852789
chr12	81077754	81077754	+	7.404E-74	2.07167E-70	0.410935	hyper	sig	chr12_81077754
chr2	2.31E+08	231398304	+	7.854E-74	2.18997E-70	0.314332	hyper	sig	chr2_231398304
chr12	72273456	72273456	+	7.919E-74	2.2005E-70	0.368692	hyper	sig	chr12_72273456
chr13	1.12E+08	112106664	+	9.404E-74	2.60444E-70	0.290599	hyper	sig	chr13_112106664
chr16	71426434	71426434	+	1.042E-73	2.87489E-70	0.330877	hyper	sig	chr16_71426434
chr2	2.35E+08	235027776	+	1.081E-73	2.97414E-70	-0.4178	hypo	sig	chr2_235027776
chr9	1.37E+08	136511900	+	1.1E-73	3.0154E-70	0.440325	hyper	sig	chr9_136511900
chr13	1.12E+08	112104165	+	1.213E-73	3.3138E-70	0.336259	hyper	sig	chr13_112104165
chr14	36667089	36667089	+	1.22E-73	3.32264E-70	0.368228	hyper	sig	chr14_36667089
chr2	2.42E+08	241852776	+	1.3E-73	3.52926E-70	-0.36368	hypo	sig	chr2_241852776
chr6	1.68E+08	167678342	+	1.361E-73	3.6813E-70	0.405598	hyper	sig	chr6_167678342
chr14	85532110	85532110	+	1.532E-73	4.11647E-70	0.368345	hyper	sig	chr14_85532110
chr7	5304121	5304121	+	1.528E-73	4.11647E-70	-0.43637	hypo	sig	chr7_5304121
chr5	1.75E+08	174732085	+	1.552E-73	4.15762E-70	0.418562	hyper	sig	chr5_174732085
chr6	1.68E+08	167678419	+	2.203E-73	5.88088E-70	0.399709	hyper	sig	chr6_167678419
chr13	93227082	93227082	+	2.26E-73	6.01166E-70	0.380456	hyper	sig	chr13_93227082
chr20	21509584	21509584	+	2.571E-73	6.81665E-70	0.394188	hyper	sig	chr20_21509584
chr3	1.6E+08	160039161	+	3.449E-73	9.11621E-70	0.347022	hyper	sig	chr3_160039161
chr11	1113979	1113979	+	3.867E-73	1.01883E-69	-0.35635	hypo	sig	chr11_1113979
chr4	95548137	95548137	+	4.078E-73	1.07082E-69	0.365007	hyper	sig	chr4_95548137
chr4	44448341	44448341	+	5.155E-73	1.34933E-69	0.375586	hyper	sig	chr4_44448341
chr1	1942028	1942028	+	5.617E-73	1.4655E-69	-0.51829	hypo	sig	chr1_1942028
chr15	83283659	83283659	+	6.96E-73	1.79864E-69	0.346243	hyper	sig	chr15_83283659
chr17	64779435	64779435	+	6.957E-73	1.79864E-69	0.365846	hyper	sig	chr17_64779435
chr2	1.39E+08	138780237	+	6.916E-73	1.79864E-69	0.371018	hyper	sig	chr2_138780237
chr11	1075727	1075727	+	7.522E-73	1.9377E-69	-0.39573	hypo	sig	chr11_1075727
chr6	1.33E+08	133242264	+	7.614E-73	1.95517E-69	0.363562	hyper	sig	chr6_133242264
chr19	1399184	1399184	+	9.414E-73	2.40965E-69	-0.38821	hypo	sig	chr19_1399184
chr15	71125608	71125608	+	1.007E-72	2.56987E-69	0.428617	hyper	sig	chr15_71125608
chr19	3482745	3482745	+	1.279E-72	3.25336E-69	-0.44975	hypo	sig	chr19_3482745
chr1	1539782	1539782	+	1.292E-72	3.27652E-69	0.412329	hyper	sig	chr1_1539782
chr6	1.68E+08	167678374	+	1.363E-72	3.4466E-69	0.398328	hyper	sig	chr6_167678374
chr7	97022220	97022220	+	1.411E-72	3.5567E-69	0.384129	hyper	sig	chr7_97022220
chr13	27928493	27928493	+	1.445E-72	3.6289E-69	0.389602	hyper	sig	chr13_27928493
chr5	1.75E+08	174732002	+	1.606E-72	4.02199E-69	0.434277	hyper	sig	chr5_174732002
chr7	1.58E+08	157684218	+	2.019E-72	5.04206E-69	0.417503	hyper	sig	chr7_157684218
chr8	17495325	17495325	+	2.29E-72	5.69898E-69	-0.44084	hypo	sig	chr8_17495325
chr4	95548472	95548472	+	2.346E-72	5.82109E-69	0.295745	hyper	sig	chr4_95548472
chr9	970610	970610	+	2.573E-72	6.36584E-69	0.343209	hyper	sig	chr9_970610
chr1	2.08E+08	207645104	+	2.873E-72	7.0862E-69	0.38614	hyper	sig	chr1_207645104
chr10	1.33E+08	132817674	+	3.022E-72	7.43029E-69	-0.38434	hypo	sig	chr10_132817674
chr8	41309507	41309507	+	3.474E-72	8.51625E-69	0.314235	hyper	sig	chr8_41309507
chr13	93227108	93227108	+	3.642E-72	8.90201E-69	0.386197	hyper	sig	chr13_93227108
chr16	87408083	87408083	+	4.02E-72	9.7956E-69	-0.39755	hypo	sig	chr16_87408083

chr6	1.68E+08	167678548	+	4.6E-72	1.11751E-68	0.388839	hyper	sig	chr6_167678548
chr5	1.35E+08	135028218	+	4.656E-72	1.12777E-68	0.47378	hyper	sig	chr5_135028218
chr15	70475303	70475303	+	6.364E-72	1.537E-68	-0.35979	hypo	sig	chr15_70475303
chr16	361378	361378	+	6.83E-72	1.64467E-68	-0.39206	hypo	sig	chr16_361378
chr12	72273374	72273374	+	7.406E-72	1.77284E-68	0.350677	hyper	sig	chr12_72273374
chr2	1.85E+08	184597695	+	7.395E-72	1.77284E-68	0.329616	hyper	sig	chr2_184597695
chr5	5139740	5139740	+	9.228E-72	2.20228E-68	0.39006	hyper	sig	chr5_5139740
chr19	21474783	21474783	+	1.212E-71	2.88374E-68	0.447103	hyper	sig	chr19_21474783
chr16	67161837	67161837	+	1.501E-71	3.56238E-68	-0.35283	hypo	sig	chr16_67161837
chr17	43843144	43843144	+	1.974E-71	4.67031E-68	-0.44655	hypo	sig	chr17_43843144
chr4	95548129	95548129	+	1.993E-71	4.70094E-68	0.35062	hyper	sig	chr4_95548129
chr5	6349435	6349435	+	2.102E-71	4.94423E-68	-0.40031	hypo	sig	chr5_6349435
chr4	6693971	6693971	+	2.196E-71	5.15032E-68	-0.37085	hypo	sig	chr4_6693971
chr19	21474824	21474824	+	2.219E-71	5.18998E-68	0.427068	hyper	sig	chr19_21474824
chr4	95548135	95548135	+	2.331E-71	5.4357E-68	0.364275	hyper	sig	chr4_95548135
chr13	87674538	87674538	+	2.529E-71	5.88048E-68	0.395948	hyper	sig	chr13_87674538
chr16	51151518	51151518	+	2.585E-71	5.9936E-68	0.307852	hyper	sig	chr16_51151518
chr6	1E+08	100464231	+	3.046E-71	7.04258E-68	0.338054	hyper	sig	chr6_100464231
chr17	76948800	76948800	+	3.057E-71	7.04674E-68	-0.40369	hypo	sig	chr17_76948800
chr1	2.08E+08	207645173	+	3.336E-71	7.66929E-68	0.410634	hyper	sig	chr1_207645173
chr19	21474776	21474776	+	3.827E-71	8.77277E-68	0.434816	hyper	sig	chr19_21474776
chr12	81077799	81077799	+	3.908E-71	8.91266E-68	0.424987	hyper	sig	chr12_81077799
chr3	27723910	27723910	+	3.91E-71	8.91266E-68	0.368597	hyper	sig	chr3_27723910
chr16	917972	917972	+	4.449E-71	1.01123E-67	0.296057	hyper	sig	chr16_917972
chr17	64778992	64778992	+	6.081E-71	1.37825E-67	0.413528	hyper	sig	chr17_64778992
chr2	1.39E+08	138780247	+	7.507E-71	1.69688E-67	0.348127	hyper	sig	chr2_138780247
chr8	71842735	71842735	+	7.53E-71	1.69732E-67	0.367919	hyper	sig	chr8_71842735
chr2	2.31E+08	231398279	+	8.256E-71	1.85576E-67	0.339853	hyper	sig	chr2_231398279
chr12	72273396	72273396	+	9.099E-71	2.03947E-67	0.323149	hyper	sig	chr12_72273396
chr1	3067906	3067906	+	9.279E-71	2.07416E-67	0.396886	hyper	sig	chr1_3067906
chr9	1.36E+08	136334519	+	9.922E-71	2.21187E-67	-0.43898	hypo	sig	chr9_136334519
chr13	1.1E+08	109781706	+	1.093E-70	2.42889E-67	-0.4316	hypo	sig	chr13_109781706
chr17	77834645	77834645	+	1.149E-70	2.54714E-67	-0.27866	hypo	sig	chr17_77834645
chr1	2.44E+08	243917651	+	1.164E-70	2.57387E-67	0.349666	hyper	sig	chr1_243917651
chr12	89350373	89350373	+	1.375E-70	3.03114E-67	-0.45776	hypo	sig	chr12_89350373
chr7	97022223	97022223	+	1.491E-70	3.2786E-67	0.381697	hyper	sig	chr7_97022223
chr6	62286381	62286381	+	1.508E-70	3.30748E-67	0.432424	hyper	sig	chr6_62286381
chr5	1.41E+08	141476838	+	2.199E-70	4.80852E-67	0.329468	hyper	sig	chr5_141476838
chr1	10672420	10672420	+	2.291E-70	4.99763E-67	0.364182	hyper	sig	chr1_10672420
chr16	71426432	71426432	+	2.561E-70	5.57161E-67	0.322073	hyper	sig	chr16_71426432
chr1	10672435	10672435	+	2.682E-70	5.81811E-67	0.3852	hyper	sig	chr1_10672435
chr17	64778507	64778507	+	2.689E-70	5.81811E-67	0.368524	hyper	sig	chr17_64778507
chr13	1.1E+08	109781708	+	2.7E-70	5.82596E-67	-0.43859	hypo	sig	chr13_109781708
chr1	3067911	3067911	+	2.712E-70	5.83692E-67	0.373726	hyper	sig	chr1_3067911
chr1	2E+08	200041682	+	2.794E-70	5.99802E-67	0.543021	hyper	sig	chr1_200041682
chr8	71842693	71842693	+	2.82E-70	6.03711E-67	0.388642	hyper	sig	chr8_71842693
chr9	1.3E+08	129620738	+	3.835E-70	8.18946E-67	0.464483	hyper	sig	chr9_129620738
chr1	3743138	3743138	+	3.988E-70	8.49305E-67	-0.35983	hypo	sig	chr1_3743138
chr1	47434604	47434604	+	4.167E-70	8.85176E-67	0.363624	hyper	sig	chr1_47434604
chr5	1.35E+08	135027924	+	4.337E-70	9.18829E-67	0.431289	hyper	sig	chr5_135027924
chr17	82342427	82342427	+	4.785E-70	1.01116E-66	-0.38865	hypo	sig	chr17_82342427
chr6	52665410	52665410	+	4.825E-70	1.01684E-66	-0.44774	hypo	sig	chr6_52665410
chr3	27723857	27723857	+	5.101E-70	1.07232E-66	0.410964	hyper	sig	chr3_27723857
chr3	49902667	49902667	+	5.143E-70	1.07833E-66	-0.44371	hypo	sig	chr3_49902667
chr6	1.18E+08	117920367	+	5.253E-70	1.09857E-66	0.372785	hyper	sig	chr6_117920367
chr1	1539750	1539750	+	5.874E-70	1.22522E-66	0.411503	hyper	sig	chr1_1539750

chr16	29310958	29310958	+	6.681E-70	1.38996E-66	-0.42897	hypo	sig	chr16_29310958
chr7	54542423	54542423	+	7.089E-70	1.47108E-66	0.357799	hyper	sig	chr7_54542423
chr17	82342387	82342387	+	7.793E-70	1.61323E-66	-0.37206	hypo	sig	chr17_82342387
chr6	29553979	29553979	+	7.926E-70	1.63651E-66	0.386353	hyper	sig	chr6_29553979
chr11	93537922	93537922	+	8.511E-70	1.7529E-66	-0.39497	hypo	sig	chr11_93537922
chr11	1113898	1113898	+	8.633E-70	1.77354E-66	-0.3617	hypo	sig	chr11_1113898
chr1	6386174	6386174	+	8.899E-70	1.82341E-66	-0.49639	hypo	sig	chr1_6386174
chr20	21509616	21509616	+	8.944E-70	1.82802E-66	0.372436	hyper	sig	chr20_21509616
chr8	97277932	97277932	+	9.088E-70	1.85277E-66	0.330694	hyper	sig	chr8_97277932
chr5	1.41E+08	141476770	+	9.209E-70	1.87273E-66	0.320886	hyper	sig	chr5_141476770
chr10	25933996	25933996	+	9.783E-70	1.98468E-66	0.358118	hyper	sig	chr10_25933996
chr1	47434596	47434596	+	9.997E-70	2.02303E-66	0.377414	hyper	sig	chr1_47434596
chr19	21474774	21474774	+	1.059E-69	2.13714E-66	0.444325	hyper	sig	chr19_21474774
chr11	1114024	1114024	+	1.244E-69	2.50555E-66	-0.34735	hypo	sig	chr11_1114024
chr10	26218452	26218452	+	1.404E-69	2.82045E-66	0.371088	hyper	sig	chr10_26218452
chr7	54542428	54542428	+	1.53E-69	3.06466E-66	0.354806	hyper	sig	chr7_54542428
chr9	1.3E+08	129620724	+	1.559E-69	3.11617E-66	0.470469	hyper	sig	chr9_129620724
chr1	2E+08	200038478	+	1.664E-69	3.31679E-66	0.404181	hyper	sig	chr1_200038478
chr16	88938640	88938640	+	1.713E-69	3.40629E-66	-0.38538	hypo	sig	chr16_88938640
chr4	1360562	1360562	+	1.718E-69	3.40852E-66	0.311842	hyper	sig	chr4_1360562
chr11	1075751	1075751	+	1.724E-69	3.41223E-66	-0.36258	hypo	sig	chr11_1075751
chr17	80086349	80086349	+	1.84E-69	3.63301E-66	-0.46306	hypo	sig	chr17_80086349
chr19	3482752	3482752	+	1.855E-69	3.6525E-66	-0.43916	hypo	sig	chr19_3482752
chr1	6386156	6386156	+	1.902E-69	3.73786E-66	-0.48104	hypo	sig	chr1_6386156
chr2	2.31E+08	231398415	+	2.069E-69	4.05533E-66	0.419838	hyper	sig	chr2_231398415
chr19	1399218	1399218	+	2.353E-69	4.60116E-66	-0.41843	hypo	sig	chr19_1399218
chr1	75130476	75130476	+	2.36E-69	4.60363E-66	0.323566	hyper	sig	chr1_75130476
chr8	2035088	2035088	+	2.518E-69	4.90045E-66	-0.40667	hypo	sig	chr8_2035088
chr20	1939206	1939206	+	2.554E-69	4.95837E-66	-0.35383	hypo	sig	chr20_1939206
chr13	93227077	93227077	+	2.622E-69	5.07862E-66	0.367335	hyper	sig	chr13_93227077
chr13	1.13E+08	112995212	+	3.14E-69	6.06732E-66	-0.4071	hypo	sig	chr13_112995212
chr13	27924372	27924372	+	3.19E-69	6.14906E-66	0.363182	hyper	sig	chr13_27924372
chr2	2.35E+08	235027801	+	3.982E-69	7.65646E-66	-0.38975	hypo	sig	chr2_235027801
chr12	81077815	81077815	+	4.191E-69	8.03902E-66	0.428401	hyper	sig	chr12_81077815
chr16	85620607	85620607	+	4.283E-69	8.19585E-66	-0.32043	hypo	sig	chr16_85620607
chr4	1.07E+08	107035910	+	4.702E-69	8.97694E-66	0.408568	hyper	sig	chr4_107035910
chr1	1.19E+08	118986046	+	4.996E-69	9.51577E-66	0.411112	hyper	sig	chr1_118986046
chr3	49902997	49902997	+	5.52E-69	1.04889E-65	-0.41336	hypo	sig	chr3_49902997
chr5	1.14E+08	114056367	+	6.385E-69	1.21059E-65	0.319397	hyper	sig	chr5_114056367
chr19	22634294	22634294	+	6.484E-69	1.22652E-65	0.354247	hyper	sig	chr19_22634294
chr15	28832400	28832400	+	7.137E-69	1.34686E-65	0.38167	hyper	sig	chr15_28832400
chr13	93227113	93227113	+	7.445E-69	1.40171E-65	0.366078	hyper	sig	chr13_93227113
chr5	1.41E+08	141485162	+	8.661E-69	1.6269E-65	0.363591	hyper	sig	chr5_141485162
chr4	1057189	1057189	+	9.161E-69	1.71682E-65	-0.39527	hypo	sig	chr4_1057189
chr6	1.33E+08	133242258	+	9.49E-69	1.77428E-65	0.364356	hyper	sig	chr6_133242258
chr15	41894894	41894894	+	1.01E-68	1.88028E-65	-0.21501	hypo	sig	chr15_41894894
chr5	1.75E+08	174732583	+	1.009E-68	1.88028E-65	0.422361	hyper	sig	chr5_174732583
chr12	1.24E+08	123931794	+	1.111E-68	2.06216E-65	-0.37333	hypo	sig	chr12_123931794
chr1	2.28E+08	228148429	+	1.139E-68	2.10921E-65	-0.39986	hypo	sig	chr1_228148429
chr19	36797662	36797662	+	1.167E-68	2.15778E-65	0.368002	hyper	sig	chr19_36797662
chr22	46076681	46076681	+	1.232E-68	2.27268E-65	-0.40068	hypo	sig	chr22_46076681
chr13	67230192	67230192	+	1.337E-68	2.45979E-65	0.288313	hyper	sig	chr13_67230192
chr9	1.37E+08	137031298	+	1.375E-68	2.52351E-65	-0.38557	hypo	sig	chr9_137031298
chr1	1942050	1942050	+	1.503E-68	2.75352E-65	-0.4557	hypo	sig	chr1_1942050
chr7	27102669	27102669	+	1.63E-68	2.9782E-65	0.385126	hyper	sig	chr7_27102669
chr6	31776063	31776063	+	1.7E-68	3.09943E-65	-0.32048	hypo	sig	chr6_31776063

chr20	21516791	21516791	+	1.775E-68	3.22894E-65	0.317996	hyper	sig	chr20_21516791
chr2	1.19E+08	118857976	+	1.785E-68	3.23949E-65	0.339231	hyper	sig	chr2_118857976
chr16	85620645	85620645	+	1.945E-68	3.52349E-65	-0.32859	hypo	sig	chr16_85620645
chr7	1.58E+08	157684195	+	2.168E-68	3.9189E-65	0.431948	hyper	sig	chr7_157684195
chr12	81077817	81077817	+	2.204E-68	3.97489E-65	0.418085	hyper	sig	chr12_81077817
chr4	1.07E+08	107035873	+	2.389E-68	4.29843E-65	0.336665	hyper	sig	chr4_107035873
chr2	2.31E+08	231398700	+	2.463E-68	4.42227E-65	0.365492	hyper	sig	chr2_231398700
chr1	47434582	47434582	+	2.661E-68	4.76739E-65	0.387169	hyper	sig	chr1_47434582
chr12	72273370	72273370	+	2.677E-68	4.78528E-65	0.338057	hyper	sig	chr12_72273370
chr4	1.07E+08	107035921	+	2.758E-68	4.91785E-65	0.428662	hyper	sig	chr4_107035921
chr12	72273458	72273458	+	2.841E-68	5.05483E-65	0.364794	hyper	sig	chr12_72273458
chr20	21509582	21509582	+	2.917E-68	5.17969E-65	0.389707	hyper	sig	chr20_21509582
chr7	93890223	93890223	+	3.21E-68	5.68742E-65	0.324965	hyper	sig	chr7_93890223
chr11	1.06E+08	105610782	+	3.334E-68	5.89315E-65	0.411499	hyper	sig	chr11_105610782
chr11	62270187	62270187	+	3.476E-68	6.1309E-65	-0.36182	hypo	sig	chr11_62270187
chr13	1.1E+08	109781724	+	3.83E-68	6.74165E-65	-0.45367	hypo	sig	chr13_109781724
chr1	2E+08	200038573	+	4.124E-68	7.24317E-65	0.481183	hyper	sig	chr1_200038573
chr1	1.19E+08	118986065	+	4.512E-68	7.90766E-65	0.427133	hyper	sig	chr1_118986065
chr5	1.41E+08	141485166	+	4.972E-68	8.69554E-65	0.365576	hyper	sig	chr5_141485166
chr19	56368542	56368542	+	5.123E-68	8.93914E-65	0.391087	hyper	sig	chr19_56368542
chr7	54542416	54542416	+	5.293E-68	9.21724E-65	0.353736	hyper	sig	chr7_54542416
chr1	2E+08	200038490	+	5.533E-68	9.61307E-65	0.377871	hyper	sig	chr1_200038490
chr13	1.11E+08	111423649	+	5.883E-68	1.02005E-64	-0.41172	hypo	sig	chr13_111423649
chr19	55359090	55359090	+	6.181E-68	1.06945E-64	-0.41271	hypo	sig	chr19_55359090
chr16	88154998	88154998	+	6.245E-68	1.07823E-64	-0.37341	hypo	sig	chr16_88154998
chr16	85620620	85620620	+	6.365E-68	1.09649E-64	-0.33356	hypo	sig	chr16_85620620
chr19	58059100	58059100	+	6.608E-68	1.136E-64	0.421485	hyper	sig	chr19_58059100
chr11	614790	614790	+	7.504E-68	1.28737E-64	-0.4077	hypo	sig	chr11_614790
chr13	27924366	27924366	+	8.102E-68	1.38695E-64	0.347211	hyper	sig	chr13_27924366
chr1	3293298	3293298	+	1.153E-67	1.96976E-64	-0.46702	hypo	sig	chr1_3293298
chr12	1.32E+08	132132751	+	1.161E-67	1.97985E-64	-0.41388	hypo	sig	chr12_132132751
chr17	76948751	76948751	+	1.232E-67	2.09499E-64	-0.40793	hypo	sig	chr17_76948751
chr11	68843235	68843235	+	1.245E-67	2.11417E-64	-0.27218	hypo	sig	chr11_68843235
chr19	36797664	36797664	+	1.376E-67	2.3305E-64	0.365574	hyper	sig	chr19_36797664
chr7	1.29E+08	129125023	+	1.457E-67	2.46349E-64	-0.3994	hypo	sig	chr7_129125023
chr15	1.01E+08	100880530	+	1.551E-67	2.61624E-64	0.399968	hyper	sig	chr15_100880530
chr5	1.41E+08	141476922	+	1.586E-67	2.6701E-64	0.283035	hyper	sig	chr5_141476922
chr13	87674516	87674516	+	1.641E-67	2.75104E-64	0.384517	hyper	sig	chr13_87674516
chr9	1.3E+08	129620717	+	1.639E-67	2.75104E-64	0.486266	hyper	sig	chr9_129620717
chr16	1548814	1548814	+	1.818E-67	3.04219E-64	-0.45178	hypo	sig	chr16_1548814
chr13	27923954	27923954	+	2.053E-67	3.42761E-64	0.331205	hyper	sig	chr13_27923954
chr5	1.41E+08	141431238	+	2.346E-67	3.90932E-64	0.374932	hyper	sig	chr5_141431238
chr15	41894887	41894887	+	2.363E-67	3.92976E-64	-0.20098	hypo	sig	chr15_41894887
chr5	6349366	6349366	+	2.425E-67	4.02333E-64	-0.39035	hypo	sig	chr5_6349366
chr17	64779001	64779001	+	2.782E-67	4.60728E-64	0.415699	hyper	sig	chr17_64779001
chr1	47434612	47434612	+	2.802E-67	4.62054E-64	0.371857	hyper	sig	chr1_47434612
chr13	67230222	67230222	+	2.8E-67	4.62054E-64	0.32875	hyper	sig	chr13_67230222
chr2	1.28E+08	127644869	+	2.933E-67	4.82778E-64	-0.36587	hypo	sig	chr2_127644869
chr7	1568227	1568227	+	2.964E-67	4.86833E-64	-0.41345	hypo	sig	chr7_1568227
chr2	1.19E+08	118857981	+	3.129E-67	5.12987E-64	0.310357	hyper	sig	chr2_118857981
chr13	1.12E+08	112104162	+	3.429E-67	5.6094E-64	0.330906	hyper	sig	chr13_112104162
chr5	1.35E+08	135027767	+	3.459E-67	5.64778E-64	0.440677	hyper	sig	chr5_135027767
chr19	22634148	22634148	+	3.483E-67	5.67586E-64	0.370195	hyper	sig	chr19_22634148
chr1	1007118	1007118	+	3.622E-67	5.88923E-64	-0.37473	hypo	sig	chr1_1007118
chr20	21517601	21517601	+	3.761E-67	6.10355E-64	0.387971	hyper	sig	chr20_21517601
chr16	361457	361457	+	3.823E-67	6.19244E-64	-0.47395	hypo	sig	chr16_361457

chr7	54542439	54542439	+	3.963E-67	6.40556E-64	0.32431	hyper	sig	chr7_54542439
chr16	62036171	62036171	+	4.191E-67	6.76098E-64	0.354527	hyper	sig	chr16_62036171
chr17	80352962	80352962	+	4.338E-67	6.98396E-64	-0.36296	hypo	sig	chr17_80352962
chr11	1.06E+08	105610662	+	4.53E-67	7.27944E-64	0.309885	hyper	sig	chr11_105610662
chr4	8191642	8191642	+	4.995E-67	8.01069E-64	-0.35723	hypo	sig	chr4_8191642
chr15	71125606	71125606	+	5.397E-67	8.63848E-64	0.408546	hyper	sig	chr15_71125606
chr1	6386147	6386147	+	5.464E-67	8.7271E-64	-0.4664	hypo	sig	chr1_6386147
chr11	1.06E+08	105610679	+	5.887E-67	9.38555E-64	0.305666	hyper	sig	chr11_105610679
chr17	64778528	64778528	+	6.707E-67	1.06715E-63	0.357224	hyper	sig	chr17_64778528
chr5	601093	601093	+	6.962E-67	1.10557E-63	-0.35299	hypo	sig	chr5_601093
chr14	36663924	36663924	+	7.276E-67	1.1531E-63	0.289898	hyper	sig	chr14_36663924
chr13	93227088	93227088	+	8.15E-67	1.2892E-63	0.365159	hyper	sig	chr13_93227088
chr1	6089016	6089016	+	8.376E-67	1.32234E-63	-0.34904	hypo	sig	chr1_6089016
chr13	93227074	93227074	+	8.507E-67	1.34038E-63	0.380924	hyper	sig	chr13_93227074
chr6	1.67E+08	166870848	+	8.936E-67	1.40527E-63	-0.48135	hypo	sig	chr6_166870848
chr17	57863162	57863162	+	9.285E-67	1.45731E-63	-0.3371	hypo	sig	chr17_57863162
chr19	21474889	21474889	+	9.728E-67	1.52391E-63	0.433825	hyper	sig	chr19_21474889
chr13	1.13E+08	112994613	+	1.053E-66	1.64359E-63	-0.40469	hypo	sig	chr13_112994613
chr2	2.42E+08	241852729	+	1.052E-66	1.64359E-63	-0.38289	hypo	sig	chr2_241852729
chr16	29189025	29189025	+	1.073E-66	1.67044E-63	-0.36246	hypo	sig	chr16_29189025
chr16	29311022	29311022	+	1.173E-66	1.82363E-63	-0.41423	hypo	sig	chr16_29311022
chr4	95548424	95548424	+	1.195E-66	1.85428E-63	0.31652	hyper	sig	chr4_95548424
chr3	27723839	27723839	+	1.227E-66	1.89952E-63	0.416189	hyper	sig	chr3_27723839
chr18	904972	904972	+	1.449E-66	2.23946E-63	0.3741	hyper	sig	chr18_904972
chr5	6349417	6349417	+	1.455E-66	2.24427E-63	-0.38095	hypo	sig	chr5_6349417
chr19	44448416	44448416	+	1.576E-66	2.42677E-63	0.414045	hyper	sig	chr19_44448416
chr19	13840354	13840354	+	1.588E-66	2.44012E-63	-0.32968	hypo	sig	chr19_13840354
chr18	79785080	79785080	+	1.612E-66	2.47229E-63	-0.38989	hypo	sig	chr18_79785080
chr6	1.68E+08	167678515	+	1.717E-66	2.62801E-63	0.372178	hyper	sig	chr6_167678515
chr12	63669212	63669212	+	1.797E-66	2.74608E-63	0.233246	hyper	sig	chr12_63669212
chr19	3482773	3482773	+	1.814E-66	2.76698E-63	-0.43078	hypo	sig	chr19_3482773
chr16	88415913	88415913	+	1.939E-66	2.95129E-63	-0.39547	hypo	sig	chr16_88415913
chr5	1.75E+08	174732597	+	1.942E-66	2.95129E-63	0.402684	hyper	sig	chr5_174732597
chr16	1548816	1548816	+	1.978E-66	2.99481E-63	-0.44654	hypo	sig	chr16_1548816
chr4	95548418	95548418	+	1.978E-66	2.99481E-63	0.296005	hyper	sig	chr4_95548418
chr15	28832380	28832380	+	2.076E-66	3.1366E-63	0.364521	hyper	sig	chr15_28832380
chr22	46076665	46076665	+	2.288E-66	3.45046E-63	-0.37851	hypo	sig	chr22_46076665
chr16	361346	361346	+	2.309E-66	3.47684E-63	-0.3891	hypo	sig	chr16_361346
chr13	1.13E+08	112995270	+	2.476E-66	3.72123E-63	-0.34107	hypo	sig	chr13_112995270
chr14	36667126	36667126	+	2.607E-66	3.91067E-63	0.354438	hyper	sig	chr14_36667126
chr5	1.16E+08	115816689	+	2.658E-66	3.97872E-63	0.360183	hyper	sig	chr5_115816689
chr16	81493536	81493536	+	2.931E-66	4.37946E-63	-0.37166	hypo	sig	chr16_81493536
chr19	55359059	55359059	+	3.229E-66	4.81599E-63	-0.40877	hypo	sig	chr19_55359059
chr1	9719236	9719236	+	3.584E-66	5.33673E-63	-0.35727	hypo	sig	chr1_9719236
chr11	1.06E+08	105610787	+	4.261E-66	6.33284E-63	0.408425	hyper	sig	chr11_105610787
chr6	1.69E+08	169222394	+	4.456E-66	6.60995E-63	-0.2717	hypo	sig	chr6_169222394
chr8	71842727	71842727	+	5.199E-66	7.69827E-63	0.331483	hyper	sig	chr8_71842727
chr17	77834636	77834636	+	5.239E-66	7.74409E-63	-0.25727	hypo	sig	chr17_77834636
chr15	28832425	28832425	+	5.307E-66	7.82963E-63	0.368936	hyper	sig	chr15_28832425
chr3	6862560	6862560	+	5.322E-66	7.83755E-63	0.376573	hyper	sig	chr3_6862560
chr5	1.35E+08	135327198	+	5.39E-66	7.92402E-63	0.320274	hyper	sig	chr5_135327198
chr10	7408420	7408420	+	5.423E-66	7.95671E-63	0.360776	hyper	sig	chr10_7408420
chr22	24427541	24427541	+	5.549E-66	8.12791E-63	-0.34036	hypo	sig	chr22_24427541
chr9	1.37E+08	137031303	+	5.604E-66	8.19405E-63	-0.36417	hypo	sig	chr9_137031303
chr21	26967061	26967061	+	5.821E-66	8.49592E-63	0.384282	hyper	sig	chr21_26967061
chr1	2E+08	200038275	+	5.907E-66	8.60492E-63	0.459043	hyper	sig	chr1_200038275

chr16	67161774	67161774	+	6.528E-66	9.49317E-63	-0.36776	hypo	sig	chr16_67161774
chr19	1005186	1005186	+	7.68E-66	1.11487E-62	-0.36488	hypo	sig	chr19_1005186
chr16	85625356	85625356	+	8.006E-66	1.16002E-62	-0.3055	hypo	sig	chr16_85625356
chr2	1.19E+08	118857944	+	9.039E-66	1.30735E-62	0.318026	hyper	sig	chr2_118857944
chr7	1568084	1568084	+	9.381E-66	1.35449E-62	-0.36686	hypo	sig	chr7_1568084
chr13	87674497	87674497	+	9.64E-66	1.38936E-62	0.371223	hyper	sig	chr13_87674497
chr6	1E+08	100464229	+	1.047E-65	1.50628E-62	0.341608	hyper	sig	chr6_100464229
chr8	71842799	71842799	+	1.104E-65	1.58551E-62	0.406703	hyper	sig	chr8_71842799
chr6	1.18E+08	117920377	+	1.153E-65	1.65328E-62	0.340971	hyper	sig	chr6_117920377
chr2	2.31E+08	231401325	+	1.191E-65	1.70512E-62	0.30663	hyper	sig	chr2_231401325
chr3	1.43E+08	143121088	+	1.243E-65	1.77528E-62	0.301387	hyper	sig	chr3_143121088
chr4	1.55E+08	154741363	+	1.254E-65	1.78831E-62	0.37645	hyper	sig	chr4_154741363
chr16	1548812	1548812	+	1.311E-65	1.86611E-62	-0.4523	hypo	sig	chr16_1548812
chr1	10672454	10672454	+	1.369E-65	1.94523E-62	0.362168	hyper	sig	chr1_10672454
chr1	1539763	1539763	+	1.395E-65	1.97945E-62	0.394568	hyper	sig	chr1_1539763
chr3	27723863	27723863	+	1.616E-65	2.28796E-62	0.390917	hyper	sig	chr3_27723863
chr1	1331905	1331905	+	1.648E-65	2.32994E-62	-0.37475	hypo	sig	chr1_1331905
chr17	64778961	64778961	+	1.657E-65	2.3389E-62	0.399253	hyper	sig	chr17_64778961
chr5	1.14E+08	114056307	+	1.702E-65	2.39781E-62	0.322444	hyper	sig	chr5_114056307
chr17	43843142	43843142	+	1.721E-65	2.41984E-62	-0.42085	hypo	sig	chr17_43843142
chr11	614784	614784	+	1.91E-65	2.68125E-62	-0.41629	hypo	sig	chr11_614784
chr6	1.68E+08	167678447	+	1.964E-65	2.75275E-62	0.398657	hyper	sig	chr6_167678447
chr13	27924310	27924310	+	2.1E-65	2.93761E-62	0.412359	hyper	sig	chr13_27924310
chr1	2E+08	200038495	+	2.239E-65	3.12646E-62	0.395106	hyper	sig	chr1_200038495
chr1	6089010	6089010	+	2.526E-65	3.52144E-62	-0.33556	hypo	sig	chr1_6089010
chr22	24427551	24427551	+	2.798E-65	3.89458E-62	-0.32636	hypo	sig	chr22_24427551
chr13	27924301	27924301	+	2.884E-65	4.00702E-62	0.421306	hyper	sig	chr13_27924301
chr14	69850388	69850388	+	3.68E-65	5.10514E-62	-0.49507	hypo	sig	chr14_69850388
chr17	5097619	5097619	+	3.69E-65	5.11019E-62	0.410709	hyper	sig	chr17_5097619
chr15	83283208	83283208	+	3.844E-65	5.31403E-62	0.401608	hyper	sig	chr15_83283208
chr5	5139742	5139742	+	3.952E-65	5.44434E-62	0.373996	hyper	sig	chr5_5139742
chr8	1.44E+08	143950469	+	3.95E-65	5.44434E-62	-0.37579	hypo	sig	chr8_143950469
chr2	1633278	1633278	+	4.33E-65	5.95474E-62	-0.4991	hypo	sig	chr2_1633278
chr7	87599492	87599492	+	4.425E-65	6.07561E-62	-0.328	hypo	sig	chr7_87599492
chr7	54542431	54542431	+	4.502E-65	6.17045E-62	0.322019	hyper	sig	chr7_54542431
chr5	1.16E+08	115816627	+	4.831E-65	6.61017E-62	0.383071	hyper	sig	chr5_115816627
chr5	1.35E+08	135028283	+	5.451E-65	7.44588E-62	0.421548	hyper	sig	chr5_135028283
chr16	67161869	67161869	+	6.001E-65	8.18396E-62	-0.3638	hypo	sig	chr16_67161869
chr5	6349357	6349357	+	6.57E-65	8.94514E-62	-0.37686	hypo	sig	chr5_6349357
chr18	79785128	79785128	+	6.988E-65	9.49831E-62	-0.36579	hypo	sig	chr18_79785128
chr12	54029765	54029765	+	7.588E-65	1.02966E-61	0.353138	hyper	sig	chr12_54029765
chr16	51151548	51151548	+	8.135E-65	1.10202E-61	0.333336	hyper	sig	chr16_51151548
chr12	81077827	81077827	+	9.131E-65	1.23492E-61	0.40376	hyper	sig	chr12_81077827
chr16	88415943	88415943	+	9.237E-65	1.24719E-61	-0.42629	hypo	sig	chr16_88415943
chr1	2.28E+08	228215644	+	9.316E-65	1.25569E-61	-0.33661	hypo	sig	chr1_228215644
chr12	81077975	81077975	+	9.487E-65	1.27661E-61	0.429819	hyper	sig	chr12_81077975
chr13	37870025	37870025	+	9.68E-65	1.3004E-61	0.344055	hyper	sig	chr13_37870025
chr18	904988	904988	+	9.831E-65	1.31858E-61	0.392393	hyper	sig	chr18_904988
chr17	76948793	76948793	+	1.073E-64	1.43621E-61	-0.38617	hypo	sig	chr17_76948793
chr14	51094076	51094076	+	1.131E-64	1.51159E-61	0.387963	hyper	sig	chr14_51094076
chr7	1.58E+08	157684238	+	1.141E-64	1.52342E-61	0.382552	hyper	sig	chr7_157684238
chr6	33976095	33976095	+	1.182E-64	1.57171E-61	0.447943	hyper	sig	chr6_33976095
chr7	1.58E+08	157684240	+	1.181E-64	1.57171E-61	0.394766	hyper	sig	chr7_157684240
chr6	1.6E+08	160350042	+	1.19E-64	1.58096E-61	-0.41563	hypo	sig	chr6_160350042
chr16	87407835	87407835	+	1.206E-64	1.59848E-61	-0.40296	hypo	sig	chr16_87407835
chr4	1.76E+08	176066162	+	1.222E-64	1.61733E-61	0.294807	hyper	sig	chr4_176066162

chr13	1.11E+08	111423612	+	1.3E-64	1.71793E-61	-0.45109	hypo	sig	chr13_111423612
chr1	1211436	1211436	+	1.357E-64	1.79061E-61	-0.41197	hypo	sig	chr1_1211436
chr14	60485397	60485397	+	1.415E-64	1.86407E-61	0.395438	hyper	sig	chr14_60485397
chr22	50485468	50485468	+	1.442E-64	1.89677E-61	-0.36991	hypo	sig	chr22_50485468
chr3	62371287	62371287	+	1.459E-64	1.91538E-61	0.447046	hyper	sig	chr3_62371287
chr4	95548143	95548143	+	1.493E-64	1.95685E-61	0.322506	hyper	sig	chr4_95548143
chr12	81077716	81077716	+	1.568E-64	2.05267E-61	0.373887	hyper	sig	chr12_81077716
chr6	1E+08	100464215	+	1.601E-64	2.0925E-61	0.338268	hyper	sig	chr6_100464215
chr11	1.06E+08	105610768	+	1.624E-64	2.11858E-61	0.383171	hyper	sig	chr11_105610768
chr17	17562368	17562368	+	1.677E-64	2.18388E-61	-0.35474	hypo	sig	chr17_17562368
chr4	1.76E+08	176066189	+	1.718E-64	2.23422E-61	0.271481	hyper	sig	chr4_176066189
chr3	1.47E+08	147409842	+	1.743E-64	2.26279E-61	0.339914	hyper	sig	chr3_147409842
chr10	1.32E+08	132487311	+	1.806E-64	2.34096E-61	-0.37019	hypo	sig	chr10_132487311
chr3	44022075	44022075	+	1.813E-64	2.34596E-61	0.290798	hyper	sig	chr3_44022075
chr8	1.44E+08	144051348	+	1.861E-64	2.40468E-61	0.387748	hyper	sig	chr8_144051348
chr19	36797676	36797676	+	1.901E-64	2.45259E-61	0.359925	hyper	sig	chr19_36797676
chr4	42152878	42152878	+	2.187E-64	2.8169E-61	0.369222	hyper	sig	chr4_42152878
chr2	1.19E+08	118857985	+	2.281E-64	2.93273E-61	0.345512	hyper	sig	chr2_118857985
chr15	1.01E+08	100880537	+	2.4E-64	3.08203E-61	0.375986	hyper	sig	chr15_100880537
chr5	1.35E+08	135027363	+	2.419E-64	3.10145E-61	0.413947	hyper	sig	chr5_135027363
chr2	2.34E+08	233939148	+	2.493E-64	3.19078E-61	0.380759	hyper	sig	chr2_233939148
chr6	71420929	71420929	+	2.521E-64	3.22091E-61	0.411152	hyper	sig	chr6_71420929
chr4	1.11E+08	110630731	+	2.978E-64	3.7992E-61	0.355401	hyper	sig	chr4_110630731
chr5	1.35E+08	135027743	+	3.111E-64	3.96255E-61	0.483188	hyper	sig	chr5_135027743
chr12	1.24E+08	123931815	+	3.124E-64	3.97321E-61	-0.38884	hypo	sig	chr12_123931815
chr11	1114118	1114118	+	3.342E-64	4.24386E-61	-0.31145	hypo	sig	chr11_1114118
chr6	1.33E+08	133242244	+	3.504E-64	4.44323E-61	0.38125	hyper	sig	chr6_133242244
chr1	1211424	1211424	+	3.552E-64	4.49622E-61	-0.42169	hypo	sig	chr1_1211424
chr4	95548414	95548414	+	3.739E-64	4.72629E-61	0.280397	hyper	sig	chr4_95548414
chr5	6349445	6349445	+	4.062E-64	5.126E-61	-0.38842	hypo	sig	chr5_6349445
chr12	54029776	54029776	+	4.084E-64	5.1379E-61	0.356362	hyper	sig	chr12_54029776
chr19	21474797	21474797	+	4.078E-64	5.1379E-61	0.41241	hyper	sig	chr19_21474797
chr5	1.41E+08	141476893	+	4.784E-64	6.00903E-61	0.302371	hyper	sig	chr5_141476893
chr15	55588843	55588843	+	4.809E-64	6.03079E-61	0.357089	hyper	sig	chr15_55588843
chr15	1.01E+08	100880521	+	4.998E-64	6.25829E-61	0.3782	hyper	sig	chr15_100880521
chr19	22634364	22634364	+	5.426E-64	6.78419E-61	0.372267	hyper	sig	chr19_22634364
chr1	9719274	9719274	+	6.4E-64	7.98968E-61	-0.34446	hypo	sig	chr1_9719274
chr7	93890256	93890256	+	6.7E-64	8.35166E-61	0.384263	hyper	sig	chr7_93890256
chr1	47446313	47446313	+	6.715E-64	8.35767E-61	0.370091	hyper	sig	chr1_47446313
chr1	15758254	15758254	+	7.085E-64	8.80358E-61	0.32106	hyper	sig	chr1_15758254
chr13	87674506	87674506	+	7.185E-64	8.91522E-61	0.375517	hyper	sig	chr13_87674506
chr18	79785157	79785157	+	7.495E-64	9.28498E-61	-0.37195	hypo	sig	chr18_79785157
chr20	21516798	21516798	+	7.794E-64	9.64124E-61	0.319704	hyper	sig	chr20_21516798
chr14	41608465	41608465	+	8.116E-64	1.00233E-60	0.400285	hyper	sig	chr14_41608465
chr20	25077778	25077778	+	8.552E-64	1.05466E-60	0.41087	hyper	sig	chr20_25077778
chr6	1.68E+08	167678510	+	8.57E-64	1.05524E-60	0.360096	hyper	sig	chr6_167678510
chr1	3651366	3651366	+	8.892E-64	1.09322E-60	0.312063	hyper	sig	chr1_3651366
chr17	64779505	64779505	+	8.914E-64	1.09427E-60	0.406513	hyper	sig	chr17_64779505
chr4	95548420	95548420	+	8.953E-64	1.0974E-60	0.283485	hyper	sig	chr4_95548420
chr9	1.37E+08	137031305	+	9.039E-64	1.10628E-60	-0.36323	hypo	sig	chr9_137031305
chr17	76948791	76948791	+	9.262E-64	1.13185E-60	-0.38477	hypo	sig	chr17_76948791
chr1	2.35E+08	234772515	+	9.416E-64	1.14897E-60	-0.33497	hypo	sig	chr1_234772515
chr19	3482750	3482750	+	1.015E-63	1.23662E-60	-0.42329	hypo	sig	chr19_3482750
chr1	14599471	14599471	+	1.089E-63	1.32423E-60	0.321932	hyper	sig	chr1_14599471
chr12	54047346	54047346	+	1.225E-63	1.48831E-60	0.416903	hyper	sig	chr12_54047346
chr13	1.12E+08	112104065	+	1.331E-63	1.61417E-60	0.271655	hyper	sig	chr13_112104065

chr17	64778537	64778537	+	1.359E-63	1.6456E-60	0.336843	hyper	sig	chr17_64778537
chr16	88415906	88415906	+	1.394E-63	1.68618E-60	-0.37865	hypo	sig	chr16_88415906
chr16	62036168	62036168	+	1.446E-63	1.74665E-60	0.347027	hyper	sig	chr16_62036168
chr19	22634527	22634527	+	1.461E-63	1.76129E-60	0.376916	hyper	sig	chr19_22634527
chr1	1.59E+08	159188690	+	1.468E-63	1.76707E-60	0.340957	hyper	sig	chr1_159188690
chr1	47446341	47446341	+	1.492E-63	1.79379E-60	0.377103	hyper	sig	chr1_47446341
chr4	6693650	6693650	+	1.536E-63	1.84427E-60	-0.36058	hypo	sig	chr4_6693650
chr16	361352	361352	+	1.547E-63	1.85417E-60	-0.38173	hypo	sig	chr16_361352
chr19	1005173	1005173	+	1.555E-63	1.86095E-60	-0.3598	hypo	sig	chr19_1005173
chr19	57351256	57351256	+	1.62E-63	1.93569E-60	0.264248	hyper	sig	chr19_57351256
chr2	2.34E+08	233939196	+	1.625E-63	1.9397E-60	0.438039	hyper	sig	chr2_233939196
chr13	37869986	37869986	+	1.663E-63	1.98171E-60	0.364469	hyper	sig	chr13_37869986
chr7	50093504	50093504	+	1.799E-63	2.14005E-60	-0.33185	hypo	sig	chr7_50093504
chr16	51151465	51151465	+	1.827E-63	2.17037E-60	0.301233	hyper	sig	chr16_51151465
chr11	614771	614771	+	1.894E-63	2.24672E-60	-0.41534	hypo	sig	chr11_614771
chr3	27723816	27723816	+	1.908E-63	2.26077E-60	0.431262	hyper	sig	chr3_27723816
chr9	1.36E+08	136356413	+	2.178E-63	2.57578E-60	-0.4059	hypo	sig	chr9_136356413
chr1	1210254	1210254	+	2.268E-63	2.67924E-60	-0.37602	hypo	sig	chr1_1210254
chr8	56445604	56445604	+	2.464E-63	2.90569E-60	0.338754	hyper	sig	chr8_56445604
chr6	1.01E+08	101399815	+	2.477E-63	2.91726E-60	0.370163	hyper	sig	chr6_101399815
chr10	1.3E+08	129852124	+	2.656E-63	3.12316E-60	-0.40344	hypo	sig	chr10_129852124
chr20	21517612	21517612	+	2.827E-63	3.31932E-60	0.349201	hyper	sig	chr20_21517612
chr4	6574115	6574115	+	2.911E-63	3.41387E-60	-0.32818	hypo	sig	chr4_6574115
chr14	1.04E+08	104182010	+	3.142E-63	3.67887E-60	-0.38822	hypo	sig	chr14_104182010
chr6	1.7E+08	170177120	+	3.332E-63	3.89631E-60	-0.37038	hypo	sig	chr6_170177120
chr3	1.43E+08	143121098	+	3.343E-63	3.90336E-60	0.303505	hyper	sig	chr3_143121098
chr16	81493571	81493571	+	3.408E-63	3.96811E-60	-0.31575	hypo	sig	chr16_81493571
chr19	3482785	3482785	+	3.404E-63	3.96811E-60	-0.4264	hypo	sig	chr19_3482785
chr1	24321756	24321756	+	3.495E-63	4.06338E-60	-0.30773	hypo	sig	chr1_24321756
chr8	1.42E+08	142126184	+	3.597E-63	4.17504E-60	-0.40972	hypo	sig	chr8_142126184
chr8	71842666	71842666	+	3.734E-63	4.32809E-60	0.424399	hyper	sig	chr8_71842666
chr5	1.41E+08	141485274	+	3.897E-63	4.51059E-60	0.386632	hyper	sig	chr5_141485274
chr19	57320968	57320968	+	3.946E-63	4.56145E-60	0.298982	hyper	sig	chr19_57320968
chr19	58440518	58440518	+	4.045E-63	4.66885E-60	0.355945	hyper	sig	chr19_58440518
chr7	1.58E+08	158237927	+	4.131E-63	4.76109E-60	-0.35468	hypo	sig	chr7_158237927
chr16	85082818	85082818	+	4.158E-63	4.78563E-60	0.30424	hyper	sig	chr16_85082818
chr2	2.31E+08	231398346	+	4.248E-63	4.88188E-60	0.290515	hyper	sig	chr2_231398346
chr13	77918595	77918595	+	4.299E-63	4.93453E-60	0.345544	hyper	sig	chr13_77918595
chr3	44022073	44022073	+	4.428E-63	5.07478E-60	0.293994	hyper	sig	chr3_44022073
chr16	51151550	51151550	+	4.447E-63	5.08965E-60	0.31993	hyper	sig	chr16_51151550
chr6	1.68E+08	167678452	+	4.648E-63	5.31229E-60	0.384228	hyper	sig	chr6_167678452
chr4	1.25E+08	125317197	+	5.092E-63	5.81084E-60	0.372941	hyper	sig	chr4_125317197
chr11	34204914	34204914	+	5.503E-63	6.2717E-60	-0.41883	hypo	sig	chr11_34204914
chr6	1.68E+08	167678470	+	5.928E-63	6.74675E-60	0.361935	hyper	sig	chr6_167678470
chr10	3287647	3287647	+	6.133E-63	6.96973E-60	-0.35765	hypo	sig	chr10_3287647
chr11	1075742	1075742	+	6.226E-63	7.06601E-60	-0.34636	hypo	sig	chr11_1075742
chr17	64778502	64778502	+	6.268E-63	7.10373E-60	0.350456	hyper	sig	chr17_64778502
chr8	41309526	41309526	+	6.337E-63	7.17206E-60	0.294166	hyper	sig	chr8_41309526
chr1	1942030	1942030	+	6.627E-63	7.48973E-60	-0.47249	hypo	sig	chr1_1942030
chr5	1.75E+08	174731651	+	6.67E-63	7.52736E-60	0.461771	hyper	sig	chr5_174731651
chr7	1.37E+08	136868938	+	6.725E-63	7.57945E-60	0.400625	hyper	sig	chr7_136868938
chr8	97277910	97277910	+	7.349E-63	8.27061E-60	0.319127	hyper	sig	chr8_97277910
chr2	1.05E+08	104844270	+	7.425E-63	8.34438E-60	0.392652	hyper	sig	chr2_104844270
chr5	1.35E+08	135028144	+	7.903E-63	8.86954E-60	0.452232	hyper	sig	chr5_135028144
chr4	48675482	48675482	+	7.919E-63	8.87591E-60	-0.52883	hypo	sig	chr4_48675482
chr13	67230207	67230207	+	8.206E-63	9.18428E-60	0.266304	hyper	sig	chr13_67230207

chr4	95548393	95548393	+	8.746E-63	9.77506E-60	0.289576	hyper	sig	chr4_95548393
chr1	1.19E+08	118989461	+	8.888E-63	9.91985E-60	0.340872	hyper	sig	chr1_118989461
chr10	3287737	3287737	+	9.009E-63	1.00421E-59	-0.36685	hypo	sig	chr10_3287737
chr2	2.31E+08	231398865	+	9.076E-63	1.01019E-59	0.332716	hyper	sig	chr2_231398865
chr17	17561852	17561852	+	1.003E-62	1.11485E-59	-0.38252	hypo	sig	chr17_17561852
chr6	1.7E+08	170251124	+	1.041E-62	1.15556E-59	-0.30813	hypo	sig	chr6_170251124
chr6	29554004	29554004	+	1.101E-62	1.21999E-59	0.413156	hyper	sig	chr6_29554004
chr13	50132506	50132506	+	1.11E-62	1.22765E-59	0.345279	hyper	sig	chr13_50132506
chr5	6349387	6349387	+	1.11E-62	1.22765E-59	-0.36557	hypo	sig	chr5_6349387
chr13	27924896	27924896	+	1.144E-62	1.26279E-59	0.437225	hyper	sig	chr13_27924896
chr8	1.44E+08	144051345	+	1.177E-62	1.2975E-59	0.374928	hyper	sig	chr8_144051345
chr12	81077965	81077965	+	1.203E-62	1.3231E-59	0.403493	hyper	sig	chr12_81077965
chr4	1057150	1057150	+	1.203E-62	1.3231E-59	-0.36904	hypo	sig	chr4_1057150
chr10	1.01E+08	101134519	+	1.206E-62	1.32458E-59	0.336196	hyper	sig	chr10_101134519
chr3	6862545	6862545	+	1.279E-62	1.40291E-59	0.381555	hyper	sig	chr3_6862545
chr13	27924314	27924314	+	1.289E-62	1.41091E-59	0.413258	hyper	sig	chr13_27924314
chr19	57351265	57351265	+	1.29E-62	1.41091E-59	0.302162	hyper	sig	chr19_57351265
chr11	47337534	47337534	+	1.326E-62	1.44856E-59	-0.38382	hypo	sig	chr11_47337534
chr7	97022230	97022230	+	1.399E-62	1.52557E-59	0.354354	hyper	sig	chr7_97022230
chr16	89120120	89120120	+	1.423E-62	1.55022E-59	0.379955	hyper	sig	chr16_89120120
chr8	41309539	41309539	+	1.607E-62	1.74823E-59	0.315726	hyper	sig	chr8_41309539
chr1	3067881	3067881	+	1.683E-62	1.82787E-59	0.389475	hyper	sig	chr1_3067881
chr6	1.68E+08	167678532	+	1.909E-62	2.0705E-59	0.363702	hyper	sig	chr6_167678532
chr13	93227093	93227093	+	1.93E-62	2.09078E-59	0.355327	hyper	sig	chr13_93227093
chr3	1.6E+08	160039148	+	2.045E-62	2.21266E-59	0.334453	hyper	sig	chr3_160039148
chr7	85185809	85185809	+	2.151E-62	2.32414E-59	0.316004	hyper	sig	chr7_85185809
chr13	77918948	77918948	+	2.217E-62	2.39263E-59	0.342292	hyper	sig	chr13_77918948
chr10	1173439	1173439	+	2.226E-62	2.39905E-59	-0.40512	hypo	sig	chr10_1173439
chr19	57584133	57584133	+	2.238E-62	2.40831E-59	0.417666	hyper	sig	chr19_57584133
chr1	2.08E+08	207645184	+	2.328E-62	2.50237E-59	0.406335	hyper	sig	chr1_207645184
chr6	1.7E+08	170177131	+	2.422E-62	2.59988E-59	-0.35618	hypo	sig	chr6_170177131
chr10	79242829	79242829	+	2.435E-62	2.60972E-59	0.400236	hyper	sig	chr10_79242829
chr12	81077978	81077978	+	2.533E-62	2.71161E-59	0.429954	hyper	sig	chr12_81077978
chr1	1006974	1006974	+	2.558E-62	2.73447E-59	-0.403	hypo	sig	chr1_1006974
chr1	3239401	3239401	+	2.615E-62	2.79251E-59	-0.33738	hypo	sig	chr1_3239401
chr2	2.42E+08	241852716	+	2.658E-62	2.83397E-59	-0.38033	hypo	sig	chr2_241852716
chr19	57727560	57727560	+	2.891E-62	3.07889E-59	0.410423	hyper	sig	chr19_57727560
chr8	71842785	71842785	+	2.897E-62	3.08047E-59	0.380783	hyper	sig	chr8_71842785
chr11	92224418	92224418	+	2.988E-62	3.17382E-59	0.301777	hyper	sig	chr11_92224418
chr1	1539815	1539815	+	2.996E-62	3.17775E-59	0.456866	hyper	sig	chr1_1539815
chr5	1.41E+08	141485210	+	3.045E-62	3.22608E-59	0.366674	hyper	sig	chr5_141485210
chr12	81077955	81077955	+	3.116E-62	3.29679E-59	0.411246	hyper	sig	chr12_81077955
chr8	66432290	66432290	+	3.192E-62	3.37269E-59	0.311626	hyper	sig	chr8_66432290
chr16	85625326	85625326	+	3.354E-62	3.5388E-59	-0.32792	hypo	sig	chr16_85625326
chr13	77918611	77918611	+	3.632E-62	3.82766E-59	0.364163	hyper	sig	chr13_77918611
chr1	2.36E+08	236155168	+	3.676E-62	3.86906E-59	-0.30941	hypo	sig	chr1_236155168
chr16	1221153	1221153	+	3.87E-62	4.06777E-59	-0.44298	hypo	sig	chr16_1221153
chr11	526355	526355	+	4.088E-62	4.29118E-59	-0.37153	hypo	sig	chr11_526355
chr6	1E+08	100464213	+	4.208E-62	4.4113E-59	0.337677	hyper	sig	chr6_100464213
chr7	97022211	97022211	+	4.288E-62	4.49008E-59	0.372556	hyper	sig	chr7_97022211
chr6	1.7E+08	170444212	+	4.335E-62	4.53281E-59	-0.41843	hypo	sig	chr6_170444212
chr6	1.33E+08	133242270	+	4.414E-62	4.60944E-59	0.327665	hyper	sig	chr6_133242270
chr5	1.35E+08	135027747	+	4.524E-62	4.71867E-59	0.469247	hyper	sig	chr5_135027747
chr6	33976097	33976097	+	4.581E-62	4.77134E-59	0.445937	hyper	sig	chr6_33976097
chr5	1.39E+08	139394214	+	4.82E-62	5.01453E-59	0.345761	hyper	sig	chr5_139394214
chr4	95548477	95548477	+	5.052E-62	5.24925E-59	0.287962	hyper	sig	chr4_95548477

chr1	47434525	47434525	+	5.564E-62	5.77315E-59	0.316695	hyper	sig	chr1_47434525
chr15	89409085	89409085	+	5.735E-62	5.94305E-59	0.353321	hyper	sig	chr15_89409085
chr13	1.1E+08	109781639	+	5.89E-62	6.09634E-59	-0.42582	hypo	sig	chr13_109781639
chr19	1235140	1235140	+	6.133E-62	6.33911E-59	-0.39638	hypo	sig	chr19_1235140
chr7	5303192	5303192	+	6.19E-62	6.38994E-59	-0.43157	hypo	sig	chr7_5303192
chr13	1.06E+08	106376638	+	6.298E-62	6.49343E-59	-0.38127	hypo	sig	chr13_106376638
chr16	85625337	85625337	+	6.622E-62	6.81938E-59	-0.31913	hypo	sig	chr16_85625337
chr5	6349349	6349349	+	6.639E-62	6.82833E-59	-0.3923	hypo	sig	chr5_6349349
chr7	5303257	5303257	+	6.738E-62	6.92052E-59	-0.44367	hypo	sig	chr7_5303257
chr12	54053800	54053800	+	7.078E-62	7.26064E-59	0.392835	hyper	sig	chr12_54053800
chr11	526395	526395	+	7.935E-62	8.11967E-59	-0.35109	hypo	sig	chr11_526395
chr21	32585576	32585576	+	7.934E-62	8.11967E-59	-0.41133	hypo	sig	chr21_32585576
chr15	89409041	89409041	+	8.389E-62	8.57315E-59	0.33316	hyper	sig	chr15_89409041
chr19	21474901	21474901	+	8.424E-62	8.5986E-59	0.394618	hyper	sig	chr19_21474901
chr2	2.34E+08	233939198	+	8.463E-62	8.62689E-59	0.433598	hyper	sig	chr2_233939198
chr14	60485379	60485379	+	8.755E-62	8.91325E-59	0.406038	hyper	sig	chr14_60485379
chr17	9022964	9022964	+	8.807E-62	8.95526E-59	0.35227	hyper	sig	chr17_9022964
chr4	962806	962806	+	9.104E-62	9.24597E-59	-0.36791	hypo	sig	chr4_962806
chr1	3356190	3356190	+	9.183E-62	9.3032E-59	-0.36407	hypo	sig	chr1_3356190
chr1	2.36E+08	236155193	+	9.173E-62	9.3032E-59	-0.26628	hypo	sig	chr1_236155193
chr8	22737865	22737865	+	9.501E-62	9.61328E-59	-0.35659	hypo	sig	chr8_22737865
chr5	1.41E+08	141485267	+	9.656E-62	9.75767E-59	0.394297	hyper	sig	chr5_141485267
chr19	3482748	3482748	+	1.056E-61	1.06599E-58	-0.4181	hypo	sig	chr19_3482748
chr6	31776061	31776061	+	1.08E-61	1.08815E-58	-0.30363	hypo	sig	chr6_31776061
chr5	1113297	1113297	+	1.169E-61	1.17737E-58	-0.35538	hypo	sig	chr5_1113297
chr4	8191626	8191626	+	1.192E-61	1.19881E-58	-0.31372	hypo	sig	chr4_8191626
chr14	36583489	36583489	+	1.22E-61	1.22506E-58	0.338933	hyper	sig	chr14_36583489
chr1	27351519	27351519	+	1.248E-61	1.25152E-58	0.378929	hyper	sig	chr1_27351519
chr6	1.7E+08	170444332	+	1.259E-61	1.26077E-58	-0.42302	hypo	sig	chr6_170444332
chr8	41309529	41309529	+	1.309E-61	1.30922E-58	0.291134	hyper	sig	chr8_41309529
chr10	1.3E+08	129852469	+	1.34E-61	1.3386E-58	-0.35554	hypo	sig	chr10_129852469
chr1	9719297	9719297	+	1.351E-61	1.34843E-58	-0.32232	hypo	sig	chr1_9719297
chr13	27928427	27928427	+	1.401E-61	1.39521E-58	0.345309	hyper	sig	chr13_27928427
chr4	48675490	48675490	+	1.401E-61	1.39521E-58	-0.53643	hypo	sig	chr4_48675490
chr6	1.7E+08	170444338	+	1.423E-61	1.41459E-58	-0.44532	hypo	sig	chr6_170444338
chr4	48675496	48675496	+	1.513E-61	1.50316E-58	-0.54254	hypo	sig	chr4_48675496
chr19	21474940	21474940	+	1.526E-61	1.51386E-58	0.45502	hyper	sig	chr19_21474940
chr15	83283239	83283239	+	1.636E-61	1.62135E-58	0.378732	hyper	sig	chr15_83283239
chr16	361430	361430	+	1.655E-61	1.63737E-58	-0.39209	hypo	sig	chr16_361430
chr16	81493582	81493582	+	1.738E-61	1.71729E-58	-0.34975	hypo	sig	chr16_81493582
chr14	41608471	41608471	+	1.745E-61	1.72308E-58	0.394367	hyper	sig	chr14_41608471
chr1	1539808	1539808	+	1.793E-61	1.76825E-58	0.438306	hyper	sig	chr1_1539808
chr5	1.75E+08	174731686	+	1.84E-61	1.81224E-58	0.478346	hyper	sig	chr5_174731686
chr14	69850520	69850520	+	1.846E-61	1.81604E-58	-0.43953	hypo	sig	chr14_69850520
chr8	24914909	24914909	+	1.879E-61	1.84542E-58	0.331847	hyper	sig	chr8_24914909
chr6	1E+08	100464292	+	1.936E-61	1.89952E-58	0.286649	hyper	sig	chr6_100464292
chr20	63494978	63494978	+	2.106E-61	2.06379E-58	-0.41764	hypo	sig	chr20_63494978
chr5	1.41E+08	141485136	+	2.189E-61	2.14239E-58	0.36157	hyper	sig	chr5_141485136
chr5	1.41E+08	141478305	+	2.264E-61	2.21385E-58	0.34348	hyper	sig	chr5_141478305
chr5	6349373	6349373	+	2.314E-61	2.25969E-58	-0.37506	hypo	sig	chr5_6349373
chr5	1.41E+08	141485124	+	2.344E-61	2.28582E-58	0.373538	hyper	sig	chr5_141485124
chr1	2.36E+08	236155115	+	2.387E-61	2.32488E-58	-0.35694	hypo	sig	chr1_236155115
chr13	1.1E+08	109781650	+	2.605E-61	2.5345E-58	-0.41116	hypo	sig	chr13_109781650
chr7	5303262	5303262	+	2.674E-61	2.59868E-58	-0.44674	hypo	sig	chr7_5303262
chr15	83283229	83283229	+	2.889E-61	2.8044E-58	0.38214	hyper	sig	chr15_83283229
chr8	1.42E+08	142126181	+	2.945E-61	2.85487E-58	-0.40718	hypo	sig	chr8_142126181

chr19	1399230	1399230	+	2.998E-61	2.90308E-58	-0.40917	hypo	sig	chr19_1399230
chr16	67161755	67161755	+	3.021E-61	2.92179E-58	-0.35554	hypo	sig	chr16_67161755
chr5	1.75E+08	174732036	+	3.096E-61	2.99085E-58	0.400078	hyper	sig	chr5_174732036
chr13	27928422	27928422	+	3.15E-61	3.03884E-58	0.378671	hyper	sig	chr13_27928422
chr10	1.05E+08	104642666	+	3.55E-61	3.42087E-58	0.376853	hyper	sig	chr10_104642666
chr11	1.29E+08	128876345	+	3.58E-61	3.44632E-58	-0.34273	hypo	sig	chr11_128876345
chr4	1057174	1057174	+	3.585E-61	3.44668E-58	-0.36709	hypo	sig	chr4_1057174
chr8	66432804	66432804	+	3.79E-61	3.63995E-58	0.319677	hyper	sig	chr8_66432804
chr17	64778848	64778848	+	3.813E-61	3.65722E-58	0.379868	hyper	sig	chr17_64778848
chr9	1.36E+08	136356410	+	4.438E-61	4.25177E-58	-0.39451	hypo	sig	chr9_136356410
chr5	1.16E+08	115816629	+	4.702E-61	4.4997E-58	0.37643	hyper	sig	chr5_115816629
chr14	1.04E+08	104179275	+	4.735E-61	4.52568E-58	-0.31912	hypo	sig	chr14_104179275
chr6	62286368	62286368	+	5.463E-61	5.21562E-58	0.384439	hyper	sig	chr6_62286368
chr6	29553551	29553551	+	5.997E-61	5.71867E-58	0.26183	hyper	sig	chr6_29553551
chr3	41955567	41955567	+	6.213E-61	5.91735E-58	0.221228	hyper	sig	chr3_41955567
chr6	1.68E+08	167678345	+	6.355E-61	6.0451E-58	0.390286	hyper	sig	chr6_167678345
chr19	44448490	44448490	+	6.581E-61	6.25266E-58	0.321001	hyper	sig	chr19_44448490
chr3	6862551	6862551	+	6.623E-61	6.28525E-58	0.345024	hyper	sig	chr3_6862551
chr13	27924370	27924370	+	6.869E-61	6.51161E-58	0.34782	hyper	sig	chr13_27924370
chr6	6003099	6003099	+	7.312E-61	6.92301E-58	0.309528	hyper	sig	chr6_6003099
chr11	614799	614799	+	7.386E-61	6.98515E-58	-0.3926	hypo	sig	chr11_614799
chr5	1.75E+08	174731981	+	7.397E-61	6.9873E-58	0.368006	hyper	sig	chr5_174731981
chr19	57351270	57351270	+	7.636E-61	7.20457E-58	0.312928	hyper	sig	chr19_57351270
chr14	1.01E+08	101442676	+	7.845E-61	7.3938E-58	-0.44185	hypo	sig	chr14_101442676
chr12	1.24E+08	123931745	+	7.967E-61	7.49929E-58	-0.34555	hypo	sig	chr12_123931745
chr17	83048648	83048648	+	8.288E-61	7.79309E-58	-0.39368	hypo	sig	chr17_83048648
chr16	85625343	85625343	+	8.657E-61	8.10636E-58	-0.30573	hypo	sig	chr16_85625343
chr4	95548462	95548462	+	8.643E-61	8.10636E-58	0.306476	hyper	sig	chr4_95548462
chr8	6561962	6561962	+	8.661E-61	8.10636E-58	0.372428	hyper	sig	chr8_6561962
chr9	970605	970605	+	8.652E-61	8.10636E-58	0.328885	hyper	sig	chr9_970605
chr2	1.19E+08	118857983	+	8.931E-61	8.34881E-58	0.282351	hyper	sig	chr2_118857983
chr6	1.33E+08	133242291	+	9.257E-61	8.64355E-58	0.343511	hyper	sig	chr6_133242291
chr2	2.33E+08	233063713	+	1.041E-60	9.71264E-58	-0.31731	hypo	sig	chr2_233063713
chr11	62270185	62270185	+	1.047E-60	9.75358E-58	-0.35577	hypo	sig	chr11_62270185
chr6	1E+08	100447745	+	1.069E-60	9.94866E-58	0.323551	hyper	sig	chr6_100447745
chr10	79242879	79242879	+	1.139E-60	1.05859E-57	0.37253	hyper	sig	chr10_79242879
chr17	64779454	64779454	+	1.178E-60	1.09279E-57	0.32717	hyper	sig	chr17_64779454
chr3	6862506	6862506	+	1.178E-60	1.09279E-57	0.370262	hyper	sig	chr3_6862506
chr13	87674486	87674486	+	1.191E-60	1.10281E-57	0.338503	hyper	sig	chr13_87674486
chr1	6386183	6386183	+	1.203E-60	1.11278E-57	-0.45807	hypo	sig	chr1_6386183
chr5	1.39E+08	139394237	+	1.211E-60	1.11924E-57	0.340193	hyper	sig	chr5_139394237
chr3	27723872	27723872	+	1.216E-60	1.1229E-57	0.374974	hyper	sig	chr3_27723872
chr4	1.07E+08	107035915	+	1.246E-60	1.14921E-57	0.406108	hyper	sig	chr4_107035915
chr2	1633309	1633309	+	1.25E-60	1.15105E-57	-0.48687	hypo	sig	chr2_1633309
chr16	85643317	85643317	+	1.263E-60	1.16241E-57	-0.38356	hypo	sig	chr16_85643317
chr19	44448484	44448484	+	1.275E-60	1.17131E-57	0.343097	hyper	sig	chr19_44448484
chr13	1.1E+08	109781626	+	1.433E-60	1.31553E-57	-0.42762	hypo	sig	chr13_109781626
chr1	3650730	3650730	+	1.532E-60	1.40496E-57	0.361263	hyper	sig	chr1_3650730
chr16	361452	361452	+	1.564E-60	1.4323E-57	-0.43206	hypo	sig	chr16_361452
chr14	85532190	85532190	+	1.623E-60	1.48474E-57	0.349619	hyper	sig	chr14_85532190
chr6	29553959	29553959	+	1.695E-60	1.54918E-57	0.355712	hyper	sig	chr6_29553959
chr3	1.47E+08	147388799	+	1.752E-60	1.5992E-57	0.316936	hyper	sig	chr3_147388799
chr19	3344268	3344268	+	1.793E-60	1.63437E-57	-0.34457	hypo	sig	chr19_3344268
chr6	1.68E+08	167678550	+	1.833E-60	1.66935E-57	0.353744	hyper	sig	chr6_167678550
chr13	1.1E+08	110308155	+	1.881E-60	1.70833E-57	0.298352	hyper	sig	chr13_110308155
chr16	29188956	29188956	+	1.882E-60	1.70833E-57	-0.40625	hypo	sig	chr16_29188956

chr16	89916224	89916224	+	1.881E-60	1.70833E-57	-0.37336	hypo	sig	chr16_89916224
chr1	99005269	99005269	+	1.965E-60	1.78157E-57	0.320051	hyper	sig	chr1_99005269
chr10	1.32E+08	132487414	+	2.077E-60	1.88114E-57	-0.39944	hypo	sig	chr10_132487414
chr17	64778983	64778983	+	2.088E-60	1.88852E-57	0.378178	hyper	sig	chr17_64778983
chr6	1.68E+08	167678332	+	2.094E-60	1.89174E-57	0.389913	hyper	sig	chr6_167678332
chr4	1.55E+08	154741376	+	2.105E-60	1.89979E-57	0.37522	hyper	sig	chr4_154741376
chr8	49910564	49910564	+	2.138E-60	1.92745E-57	0.320313	hyper	sig	chr8_49910564
chr1	10672843	10672843	+	2.242E-60	2.01896E-57	0.295054	hyper	sig	chr1_10672843
chr19	44448441	44448441	+	2.362E-60	2.12221E-57	0.378314	hyper	sig	chr19_44448441
chr4	1.25E+08	125317215	+	2.362E-60	2.12221E-57	0.386571	hyper	sig	chr4_125317215
chr14	85529967	85529967	+	2.488E-60	2.231E-57	0.335804	hyper	sig	chr14_85529967
chr16	1436482	1436482	+	2.487E-60	2.231E-57	-0.39633	hypo	sig	chr16_1436482
chr6	29553508	29553508	+	2.564E-60	2.29646E-57	0.297616	hyper	sig	chr6_29553508
chr13	1.12E+08	112104060	+	2.67E-60	2.38831E-57	0.28606	hyper	sig	chr13_112104060
chr13	77918978	77918978	+	2.69E-60	2.40429E-57	0.312031	hyper	sig	chr13_77918978
chr10	7409882	7409882	+	2.695E-60	2.40576E-57	0.325072	hyper	sig	chr10_7409882
chr11	1.06E+08	105610634	+	2.762E-60	2.4631E-57	0.281868	hyper	sig	chr11_105610634
chr17	77834704	77834704	+	2.784E-60	2.47973E-57	-0.30912	hypo	sig	chr17_77834704
chr17	64778955	64778955	+	2.812E-60	2.50161E-57	0.366046	hyper	sig	chr17_64778955
chr6	1.5E+08	149965096	+	2.917E-60	2.59229E-57	0.38595	hyper	sig	chr6_149965096
chr11	94769222	94769222	+	2.965E-60	2.63256E-57	0.33486	hyper	sig	chr11_94769222
chr3	49902715	49902715	+	3.197E-60	2.83504E-57	-0.33522	hypo	sig	chr3_49902715
chr7	97002268	97002268	+	3.28E-60	2.90523E-57	0.347581	hyper	sig	chr7_97002268
chr14	1.04E+08	104158943	+	3.635E-60	3.21684E-57	-0.36064	hypo	sig	chr14_104158943
chr16	77789308	77789308	+	3.641E-60	3.21838E-57	0.444112	hyper	sig	chr16_77789308
chr8	66432405	66432405	+	3.659E-60	3.23106E-57	0.345549	hyper	sig	chr8_66432405
chr4	1057146	1057146	+	3.727E-60	3.28703E-57	-0.35463	hypo	sig	chr4_1057146
chr3	1.8E+08	180324938	+	3.882E-60	3.42014E-57	-0.37838	hypo	sig	chr3_180324938
chr19	1235119	1235119	+	4.129E-60	3.63371E-57	-0.35038	hypo	sig	chr19_1235119
chr8	49910554	49910554	+	4.237E-60	3.72468E-57	0.31341	hyper	sig	chr8_49910554
chr5	1.14E+08	114056379	+	4.605E-60	4.04404E-57	0.315545	hyper	sig	chr5_114056379
chr17	82342333	82342333	+	4.744E-60	4.16118E-57	-0.37295	hypo	sig	chr17_82342333
chr5	1.35E+08	135327168	+	4.894E-60	4.28846E-57	0.327482	hyper	sig	chr5_135327168
chr7	97022206	97022206	+	4.947E-60	4.3302E-57	0.360115	hyper	sig	chr7_97022206
chr14	69850522	69850522	+	5.262E-60	4.6011E-57	-0.42977	hypo	sig	chr14_69850522
chr1	2E+08	200038464	+	5.273E-60	4.60553E-57	0.353764	hyper	sig	chr1_200038464
chr4	1.64E+08	164383188	+	5.542E-60	4.83555E-57	0.390689	hyper	sig	chr4_164383188
chr3	44022110	44022110	+	5.686E-60	4.95558E-57	0.294711	hyper	sig	chr3_44022110
chr2	53859752	53859752	+	5.766E-60	5.0202E-57	0.426175	hyper	sig	chr2_53859752
chr9	1.36E+08	136356394	+	5.911E-60	5.14126E-57	-0.39067	hypo	sig	chr9_136356394
chr15	41894747	41894747	+	6.54E-60	5.68225E-57	-0.33205	hypo	sig	chr15_41894747
chr8	6561969	6561969	+	6.746E-60	5.8546E-57	0.364693	hyper	sig	chr8_6561969
chr8	22148067	22148067	+	7.016E-60	6.08221E-57	-0.31208	hypo	sig	chr8_22148067
chr14	36667142	36667142	+	7.345E-60	6.36044E-57	0.34419	hyper	sig	chr14_36667142
chr6	1.7E+08	170177135	+	7.389E-60	6.39179E-57	-0.35361	hypo	sig	chr6_170177135
chr7	5304092	5304092	+	7.482E-60	6.46571E-57	-0.3896	hypo	sig	chr7_5304092
chr18	79785104	79785104	+	7.793E-60	6.72023E-57	-0.36082	hypo	sig	chr18_79785104
chr20	63494936	63494936	+	7.789E-60	6.72023E-57	-0.38519	hypo	sig	chr20_63494936
chr4	1.47E+08	146640604	+	7.953E-60	6.85114E-57	0.354968	hyper	sig	chr4_146640604
chr1	2E+08	200041694	+	8.303E-60	7.14506E-57	0.507426	hyper	sig	chr1_200041694
chr20	63244889	63244889	+	8.411E-60	7.23029E-57	-0.34919	hypo	sig	chr20_63244889
chr4	1.55E+08	154741355	+	8.76E-60	7.52184E-57	0.347788	hyper	sig	chr4_154741355
chr10	26218429	26218429	+	9.005E-60	7.72373E-57	0.336335	hyper	sig	chr10_26218429
chr4	1057153	1057153	+	9.758E-60	8.36111E-57	-0.35502	hypo	sig	chr4_1057153
chr21	36697116	36697116	+	1.004E-59	8.59094E-57	0.394149	hyper	sig	chr21_36697116
chr17	64779010	64779010	+	1.022E-59	8.74071E-57	0.401067	hyper	sig	chr17_64779010

chr10	1022861	1022861	+	1.029E-59	8.79257E-57	-0.40241	hypo	sig	chr10_1022861
chr1	6089021	6089021	+	1.043E-59	8.89307E-57	-0.33226	hypo	sig	chr1_6089021
chr17	80352972	80352972	+	1.043E-59	8.89307E-57	-0.32443	hypo	sig	chr17_80352972
chr2	74499397	74499397	+	1.082E-59	9.20918E-57	0.242509	hyper	sig	chr2_74499397
chr11	1.06E+08	105610630	+	1.234E-59	1.04946E-56	0.284485	hyper	sig	chr11_105610630
chr6	393209	393209	+	1.246E-59	1.05868E-56	0.306724	hyper	sig	chr6_393209
chr16	67163235	67163235	+	1.294E-59	1.09814E-56	0.324023	hyper	sig	chr16_67163235
chr16	87407802	87407802	+	1.329E-59	1.12694E-56	-0.43587	hypo	sig	chr16_87407802
chr19	44448475	44448475	+	1.337E-59	1.13217E-56	0.350638	hyper	sig	chr19_44448475
chr19	55359095	55359095	+	1.353E-59	1.14444E-56	-0.38088	hypo	sig	chr19_55359095
chr13	1.1E+08	110308139	+	1.383E-59	1.16908E-56	0.308422	hyper	sig	chr13_110308139
chr19	57320971	57320971	+	1.421E-59	1.19983E-56	0.293468	hyper	sig	chr19_57320971
chr1	2.44E+08	243917654	+	1.436E-59	1.21092E-56	0.343995	hyper	sig	chr1_243917654
chr14	85529971	85529971	+	1.471E-59	1.23923E-56	0.318418	hyper	sig	chr14_85529971
chr19	57584119	57584119	+	1.553E-59	1.30714E-56	0.400467	hyper	sig	chr19_57584119
chr17	64779031	64779031	+	1.622E-59	1.36431E-56	0.431671	hyper	sig	chr17_64779031
chr15	55588877	55588877	+	1.697E-59	1.42564E-56	0.357286	hyper	sig	chr15_55588877
chr11	1.29E+08	128876319	+	1.701E-59	1.42704E-56	-0.34619	hypo	sig	chr11_128876319
chr1	2.44E+08	243917635	+	1.711E-59	1.43395E-56	0.36082	hyper	sig	chr1_243917635
chr13	87674580	87674580	+	1.746E-59	1.462E-56	0.396473	hyper	sig	chr13_87674580
chr6	1.68E+08	167678501	+	1.822E-59	1.52377E-56	0.343408	hyper	sig	chr6_167678501
chr14	1.04E+08	104179287	+	1.862E-59	1.55619E-56	-0.32008	hypo	sig	chr14_104179287
chr3	1.8E+08	180036771	+	1.898E-59	1.58447E-56	0.324726	hyper	sig	chr3_180036771
chr11	1114132	1114132	+	1.909E-59	1.59234E-56	-0.31079	hypo	sig	chr11_1114132
chr19	21474795	21474795	+	1.956E-59	1.62974E-56	0.414892	hyper	sig	chr19_21474795
chr4	1.25E+08	125317199	+	1.995E-59	1.66026E-56	0.36787	hyper	sig	chr4_125317199
chr1	2.36E+08	236155189	+	2.019E-59	1.67882E-56	-0.26078	hypo	sig	chr1_236155189
chr1	2.28E+08	228148778	+	2.074E-59	1.72295E-56	-0.41937	hypo	sig	chr1_228148778
chr5	1.41E+08	141476900	+	2.088E-59	1.73267E-56	0.265639	hyper	sig	chr5_141476900
chr5	3591013	3591013	+	2.126E-59	1.7624E-56	0.373532	hyper	sig	chr5_3591013
chr5	1.39E+08	139394230	+	2.358E-59	1.95281E-56	0.339248	hyper	sig	chr5_139394230
chr6	1.68E+08	168227949	+	2.371E-59	1.96119E-56	-0.3572	hypo	sig	chr6_168227949
chr1	27351524	27351524	+	2.41E-59	1.99134E-56	0.363629	hyper	sig	chr1_27351524
chr16	917987	917987	+	2.443E-59	2.01632E-56	0.283544	hyper	sig	chr16_917987
chr3	1.7E+08	169822716	+	2.481E-59	2.04574E-56	-0.45768	hypo	sig	chr3_169822716
chr6	1.68E+08	167678485	+	2.619E-59	2.15742E-56	0.347018	hyper	sig	chr6_167678485
chr8	1.44E+08	144047052	+	2.622E-59	2.15777E-56	-0.37922	hypo	sig	chr8_144047052
chr19	1005179	1005179	+	2.87E-59	2.35914E-56	-0.35843	hypo	sig	chr19_1005179
chr4	1.22E+08	121765370	+	2.873E-59	2.35938E-56	0.358739	hyper	sig	chr4_121765370
chr5	1.35E+08	135028239	+	2.918E-59	2.39418E-56	0.438924	hyper	sig	chr5_135028239
chr13	1.12E+08	112104200	+	2.949E-59	2.41691E-56	0.317644	hyper	sig	chr13_112104200
chr13	93227065	93227065	+	2.997E-59	2.45374E-56	0.363816	hyper	sig	chr13_93227065
chr5	1.46E+08	146339106	+	3.149E-59	2.57582E-56	0.311973	hyper	sig	chr5_146339106
chr10	79242858	79242858	+	3.187E-59	2.60188E-56	0.376973	hyper	sig	chr10_79242858
chr16	88404347	88404347	+	3.185E-59	2.60188E-56	-0.29006	hypo	sig	chr16_88404347
chr4	1.07E+08	107035780	+	3.245E-59	2.64662E-56	0.388711	hyper	sig	chr4_107035780
chr3	1.47E+08	147388797	+	3.333E-59	2.71521E-56	0.318755	hyper	sig	chr3_147388797
chr9	970594	970594	+	3.404E-59	2.77016E-56	0.32901	hyper	sig	chr9_970594
chr16	67161791	67161791	+	3.451E-59	2.80556E-56	-0.32098	hypo	sig	chr16_67161791
chr10	3287689	3287689	+	3.63E-59	2.94836E-56	-0.34529	hypo	sig	chr10_3287689
chr13	27924375	27924375	+	3.69E-59	2.99446E-56	0.330995	hyper	sig	chr13_27924375
chr13	77919455	77919455	+	3.922E-59	3.17945E-56	0.340716	hyper	sig	chr13_77919455
chr16	89329008	89329008	+	3.968E-59	3.21316E-56	0.325588	hyper	sig	chr16_89329008
chr8	71842765	71842765	+	4.192E-59	3.39172E-56	0.332182	hyper	sig	chr8_71842765
chr10	49609163	49609163	+	4.412E-59	3.56614E-56	0.331487	hyper	sig	chr10_49609163
chr2	2.42E+08	241852816	+	4.426E-59	3.57353E-56	-0.30735	hypo	sig	chr2_241852816

chr17	7179745	7179745	+	4.625E-59	3.73027E-56	-0.36334	hypo	sig	chr17_7179745
chr17	43843151	43843151	+	4.895E-59	3.9441E-56	-0.40449	hypo	sig	chr17_43843151
chr13	93228583	93228583	+	5.447E-59	4.38476E-56	0.348835	hyper	sig	chr13_93228583
chr13	27926989	27926989	+	5.512E-59	4.43237E-56	0.327688	hyper	sig	chr13_27926989
chr9	1.36E+08	136356277	+	5.576E-59	4.48013E-56	-0.37509	hypo	sig	chr9_136356277
chr19	22634170	22634170	+	5.699E-59	4.57439E-56	0.382666	hyper	sig	chr19_22634170
chr5	1.75E+08	174731922	+	6.013E-59	4.8214E-56	0.413083	hyper	sig	chr5_174731922
chr19	1235133	1235133	+	6.252E-59	5.00767E-56	-0.37205	hypo	sig	chr19_1235133
chr3	1.6E+08	160039174	+	6.446E-59	5.15819E-56	0.323796	hyper	sig	chr3_160039174
chr6	28443524	28443524	+	6.518E-59	5.21071E-56	0.317932	hyper	sig	chr6_28443524
chr6	10398543	10398543	+	6.567E-59	5.24492E-56	0.361207	hyper	sig	chr6_10398543
chr5	1.41E+08	141485134	+	6.696E-59	5.34297E-56	0.363945	hyper	sig	chr5_141485134
chr3	1.8E+08	180036760	+	6.795E-59	5.41665E-56	0.331077	hyper	sig	chr3_180036760
chr19	3482711	3482711	+	7.143E-59	5.68774E-56	-0.46167	hypo	sig	chr19_3482711
chr20	63494924	63494924	+	7.158E-59	5.6946E-56	-0.39353	hypo	sig	chr20_63494924
chr5	1.75E+08	174732031	+	7.176E-59	5.70288E-56	0.361528	hyper	sig	chr5_174732031
chr19	48443331	48443331	+	7.283E-59	5.78259E-56	0.351214	hyper	sig	chr19_48443331
chr18	79785180	79785180	+	7.407E-59	5.87551E-56	-0.35394	hypo	sig	chr18_79785180
chr10	49609260	49609260	+	7.545E-59	5.97859E-56	0.392961	hyper	sig	chr10_49609260
chr19	1005199	1005199	+	7.686E-59	6.08466E-56	-0.29451	hypo	sig	chr19_1005199
chr3	26623250	26623250	+	7.85E-59	6.20853E-56	0.371609	hyper	sig	chr3_26623250
chr19	58059098	58059098	+	7.914E-59	6.25316E-56	0.394525	hyper	sig	chr19_58059098
chr2	2.35E+08	235027786	+	8.377E-59	6.61211E-56	-0.36597	hypo	sig	chr2_235027786
chr11	92224481	92224481	+	8.85E-59	6.97916E-56	0.288626	hyper	sig	chr11_92224481
chr18	37567184	37567184	+	8.875E-59	6.99213E-56	0.330105	hyper	sig	chr18_37567184
chr5	1.41E+08	141346261	+	9.13E-59	7.18549E-56	0.329143	hyper	sig	chr5_141346261
chr7	1568141	1568141	+	9.345E-59	7.34793E-56	-0.33819	hypo	sig	chr7_1568141
chr19	57351262	57351262	+	9.483E-59	7.44201E-56	0.291553	hyper	sig	chr19_57351262
chr6	1.68E+08	167678518	+	9.483E-59	7.44201E-56	0.346915	hyper	sig	chr6_167678518
chr8	15540824	15540824	+	9.748E-59	7.64273E-56	0.359984	hyper	sig	chr8_15540824
chr6	393215	393215	+	9.819E-59	7.69074E-56	0.288532	hyper	sig	chr6_393215
chr12	54029759	54029759	+	1.007E-58	7.8797E-56	0.33437	hyper	sig	chr12_54029759
chr16	83935298	83935298	+	1.013E-58	7.91846E-56	-0.39605	hypo	sig	chr16_83935298
chr7	97022238	97022238	+	1.044E-58	8.15644E-56	0.343547	hyper	sig	chr7_97022238
chr12	54047385	54047385	+	1.065E-58	8.31317E-56	0.424667	hyper	sig	chr12_54047385
chr12	54047447	54047447	+	1.099E-58	8.56905E-56	0.435615	hyper	sig	chr12_54047447
chr2	2.34E+08	233939125	+	1.121E-58	8.72966E-56	0.381116	hyper	sig	chr2_233939125
chr10	79242713	79242713	+	1.132E-58	8.80366E-56	0.454694	hyper	sig	chr10_79242713
chr1	75130451	75130451	+	1.163E-58	9.03649E-56	0.321721	hyper	sig	chr1_75130451
chr4	80268698	80268698	+	1.183E-58	9.18433E-56	0.348636	hyper	sig	chr4_80268698
chr19	36973645	36973645	+	1.236E-58	9.5877E-56	0.372989	hyper	sig	chr19_36973645
chr6	1.67E+08	166870892	+	1.254E-58	9.71601E-56	-0.39317	hypo	sig	chr6_166870892
chr4	61201708	61201708	+	1.28E-58	9.90977E-56	0.319885	hyper	sig	chr4_61201708
chr11	1075670	1075670	+	1.434E-58	1.10961E-55	-0.42688	hypo	sig	chr11_1075670
chr8	1.44E+08	143950409	+	1.445E-58	1.11637E-55	-0.43087	hypo	sig	chr8_143950409
chr7	1.51E+08	151403956	+	1.478E-58	1.14078E-55	-0.34366	hypo	sig	chr7_151403956
chr14	36667093	36667093	+	1.52E-58	1.17211E-55	0.332077	hyper	sig	chr14_36667093
chr6	30260306	30260306	+	1.579E-58	1.21651E-55	0.33704	hyper	sig	chr6_30260306
chr3	1.43E+08	143121080	+	1.598E-58	1.23048E-55	0.263831	hyper	sig	chr3_143121080
chr8	97277906	97277906	+	1.638E-58	1.26011E-55	0.324609	hyper	sig	chr8_97277906
chr5	3590476	3590476	+	1.655E-58	1.27163E-55	0.33994	hyper	sig	chr5_3590476
chr6	50724460	50724460	+	1.672E-58	1.28365E-55	0.314681	hyper	sig	chr6_50724460
chr13	1.13E+08	112995180	+	1.689E-58	1.29548E-55	-0.43191	hypo	sig	chr13_112995180
chr17	64778549	64778549	+	1.71E-58	1.31064E-55	0.334383	hyper	sig	chr17_64778549
chr19	55359041	55359041	+	1.735E-58	1.32803E-55	-0.36596	hypo	sig	chr19_55359041
chr13	1.1E+08	110308153	+	1.767E-58	1.3511E-55	0.296921	hyper	sig	chr13_110308153

chr10	26218454	26218454	+	1.845E-58	1.40991E-55	0.357276	hyper	sig	chr10_26218454
chr4	1.74E+08	173530136	+	1.877E-58	1.4331E-55	0.275136	hyper	sig	chr4_173530136
chr18	904962	904962	+	1.89E-58	1.44116E-55	0.379727	hyper	sig	chr18_904962
chr17	76948754	76948754	+	1.951E-58	1.48662E-55	-0.37597	hypo	sig	chr17_76948754
chr17	83063546	83063546	+	2.08E-58	1.5836E-55	-0.32122	hypo	sig	chr17_83063546
chr1	1054900	1054900	+	2.215E-58	1.68416E-55	0.226241	hyper	sig	chr1_1054900
chr17	43843109	43843109	+	2.229E-58	1.69361E-55	-0.35266	hypo	sig	chr17_43843109
chr1	2334960	2334960	+	2.34E-58	1.77536E-55	-0.4019	hypo	sig	chr1_2334960
chr8	49910570	49910570	+	2.341E-58	1.77536E-55	0.319192	hyper	sig	chr8_49910570
chr11	44311121	44311121	+	2.381E-58	1.80365E-55	0.315783	hyper	sig	chr11_44311121
chr1	99004603	99004603	+	2.395E-58	1.81263E-55	0.322714	hyper	sig	chr1_99004603
chr5	1.35E+08	135327241	+	2.409E-58	1.82141E-55	0.289063	hyper	sig	chr5_135327241
chr2	2.31E+08	231400293	+	2.455E-58	1.85515E-55	0.334722	hyper	sig	chr2_231400293
chr13	87674569	87674569	+	2.494E-58	1.88261E-55	0.386723	hyper	sig	chr13_87674569
chr6	436603	436603	+	2.525E-58	1.90437E-55	-0.37501	hypo	sig	chr6_436603
chr17	76948886	76948886	+	2.639E-58	1.98845E-55	-0.37217	hypo	sig	chr17_76948886
chr13	27924094	27924094	+	2.644E-58	1.99001E-55	0.39526	hyper	sig	chr13_27924094
chr1	1.19E+08	118989549	+	2.741E-58	2.06162E-55	0.344591	hyper	sig	chr1_118989549
chr2	1.19E+08	118857937	+	2.835E-58	2.12978E-55	0.321871	hyper	sig	chr2_118857937
chr19	57191996	57191996	+	2.882E-58	2.16301E-55	0.258327	hyper	sig	chr19_57191996
chr1	2.35E+08	234723242	+	2.927E-58	2.19494E-55	-0.39977	hypo	sig	chr1_234723242
chr1	3651381	3651381	+	3.03E-58	2.26841E-55	0.314783	hyper	sig	chr1_3651381
chr1	75130465	75130465	+	3.029E-58	2.26841E-55	0.284005	hyper	sig	chr1_75130465
chr15	55588885	55588885	+	3.058E-58	2.28678E-55	0.347354	hyper	sig	chr15_55588885
chr1	47434631	47434631	+	3.168E-58	2.36729E-55	0.321409	hyper	sig	chr1_47434631
chr1	2.44E+08	243917676	+	3.203E-58	2.39117E-55	0.339406	hyper	sig	chr1_243917676
chr3	1.7E+08	169822763	+	3.213E-58	2.39604E-55	-0.46614	hypo	sig	chr3_169822763
chr1	2.28E+08	228215656	+	3.448E-58	2.56905E-55	-0.28962	hypo	sig	chr1_228215656
chr7	97007420	97007420	+	3.455E-58	2.57172E-55	0.315709	hyper	sig	chr7_97007420
chr10	1.33E+08	132817636	+	4.013E-58	2.98494E-55	-0.37279	hypo	sig	chr10_132817636
chr14	36663911	36663911	+	4.128E-58	3.06752E-55	0.268416	hyper	sig	chr14_36663911
chr19	1399220	1399220	+	4.173E-58	3.09808E-55	-0.34855	hypo	sig	chr19_1399220
chr19	58440411	58440411	+	4.286E-58	3.17881E-55	0.248354	hyper	sig	chr19_58440411
chr12	81077791	81077791	+	4.454E-58	3.30046E-55	0.39512	hyper	sig	chr12_81077791
chr13	77919531	77919531	+	4.56E-58	3.37612E-55	0.312875	hyper	sig	chr13_77919531
chr13	1.02E+08	101917507	+	4.579E-58	3.38688E-55	0.335933	hyper	sig	chr13_101917507
chr2	1665374	1665374	+	4.667E-58	3.44876E-55	-0.40259	hypo	sig	chr2_1665374
chr1	15758243	15758243	+	4.679E-58	3.45465E-55	0.363821	hyper	sig	chr1_15758243
chr11	92224479	92224479	+	4.714E-58	3.47729E-55	0.284443	hyper	sig	chr11_92224479
chr18	6929767	6929767	+	4.748E-58	3.49893E-55	-0.40392	hypo	sig	chr18_6929767
chr2	2.42E+08	241852807	+	4.842E-58	3.56502E-55	-0.33006	hypo	sig	chr2_241852807
chr1	3651356	3651356	+	5.31E-58	3.90646E-55	0.312738	hyper	sig	chr1_3651356
chr1	1.22E+08	121519675	+	5.324E-58	3.91323E-55	0.367106	hyper	sig	chr1_121519675
chr2	1.05E+08	105397438	+	5.56E-58	4.08269E-55	-0.43022	hypo	sig	chr2_105397438
chr1	1.22E+08	121519663	+	5.924E-58	4.3465E-55	0.368186	hyper	sig	chr1_121519663
chr5	1.71E+08	171316572	+	5.984E-58	4.38626E-55	0.335441	hyper	sig	chr5_171316572
chr11	93537917	93537917	+	6.196E-58	4.53787E-55	-0.34903	hypo	sig	chr11_93537917
chr16	912820	912820	+	6.349E-58	4.64583E-55	0.268197	hyper	sig	chr16_912820
chr3	1.47E+08	147409822	+	6.402E-58	4.68026E-55	0.324298	hyper	sig	chr3_147409822
chr10	26218450	26218450	+	6.442E-58	4.70047E-55	0.340437	hyper	sig	chr10_26218450
chr4	42152844	42152844	+	6.437E-58	4.70047E-55	0.366822	hyper	sig	chr4_42152844
chr12	54053812	54053812	+	6.537E-58	4.7657E-55	0.37945	hyper	sig	chr12_54053812
chr3	6862491	6862491	+	6.619E-58	4.82117E-55	0.373456	hyper	sig	chr3_6862491
chr5	1.35E+08	135327192	+	6.703E-58	4.878E-55	0.302222	hyper	sig	chr5_135327192
chr8	41309502	41309502	+	6.742E-58	4.9018E-55	0.288439	hyper	sig	chr8_41309502
chr18	79785247	79785247	+	6.833E-58	4.96387E-55	-0.3732	hypo	sig	chr18_79785247

chr14	69850429	69850429	+	6.911E-58	5.01591E-55	-0.48054	hypo	sig	chr14_69850429
chr22	46085219	46085219	+	6.933E-58	5.02733E-55	-0.34677	hypo	sig	chr22_46085219
chr17	83048609	83048609	+	6.998E-58	5.07022E-55	-0.40176	hypo	sig	chr17_83048609
chr7	8442742	8442742	+	7.078E-58	5.12368E-55	0.336377	hyper	sig	chr7_8442742
chr2	1665300	1665300	+	7.227E-58	5.22691E-55	-0.36279	hypo	sig	chr2_1665300
chr2	1633306	1633306	+	7.339E-58	5.30318E-55	-0.47126	hypo	sig	chr2_1633306
chr6	84764783	84764783	+	7.377E-58	5.3259E-55	0.2875	hyper	sig	chr6_84764783
chr21	26967065	26967065	+	7.448E-58	5.37241E-55	0.377166	hyper	sig	chr21_26967065
chr4	1.47E+08	146638982	+	7.701E-58	5.54961E-55	0.386654	hyper	sig	chr4_146638982
chr2	1.19E+08	118833556	+	7.771E-58	5.59478E-55	0.286054	hyper	sig	chr2_118833556
chr5	6349401	6349401	+	7.978E-58	5.73909E-55	-0.35811	hypo	sig	chr5_6349401
chr17	81400894	81400894	+	8.232E-58	5.91653E-55	0.379153	hyper	sig	chr17_81400894
chr1	3579112	3579112	+	8.25E-58	5.92418E-55	-0.32251	hypo	sig	chr1_3579112
chr7	27103061	27103061	+	8.258E-58	5.92508E-55	0.354191	hyper	sig	chr7_27103061
chr4	1.22E+08	121765368	+	8.345E-58	5.98204E-55	0.356568	hyper	sig	chr4_121765368
chr6	1.68E+08	167678356	+	8.375E-58	5.99775E-55	0.385271	hyper	sig	chr6_167678356
chr21	26967096	26967096	+	9.176E-58	6.56597E-55	0.345317	hyper	sig	chr21_26967096
chr18	904919	904919	+	9.498E-58	6.79045E-55	0.364015	hyper	sig	chr18_904919
chr1	2.44E+08	243917632	+	9.58E-58	6.84298E-55	0.35831	hyper	sig	chr1_243917632
chr11	1.06E+08	105610694	+	9.911E-58	7.07342E-55	0.274136	hyper	sig	chr11_105610694
chr3	6862574	6862574	+	1.001E-57	7.13967E-55	0.36892	hyper	sig	chr3_6862574
chr8	24914796	24914796	+	1.031E-57	7.34707E-55	0.320733	hyper	sig	chr8_24914796
chr8	24914918	24914918	+	1.115E-57	7.93378E-55	0.321763	hyper	sig	chr8_24914918
chr12	54047348	54047348	+	1.119E-57	7.95719E-55	0.411825	hyper	sig	chr12_54047348
chr1	1211411	1211411	+	1.171E-57	8.31526E-55	-0.40663	hypo	sig	chr1_1211411
chr5	1.41E+08	141478354	+	1.171E-57	8.31526E-55	0.365682	hyper	sig	chr5_141478354
chr10	1.3E+08	129951449	+	1.183E-57	8.39182E-55	-0.35315	hypo	sig	chr10_129951449
chr1	37033879	37033879	+	1.19E-57	8.43562E-55	0.375919	hyper	sig	chr1_37033879
chr4	42152833	42152833	+	1.216E-57	8.60681E-55	0.371331	hyper	sig	chr4_42152833
chr4	5890280	5890280	+	1.219E-57	8.6255E-55	0.340047	hyper	sig	chr4_5890280
chr6	1.33E+08	133242289	+	1.242E-57	8.77884E-55	0.338314	hyper	sig	chr6_133242289
chr8	1.41E+08	141277165	+	1.291E-57	9.11983E-55	-0.34953	hypo	sig	chr8_141277165
chr2	2.34E+08	233939192	+	1.331E-57	9.39492E-55	0.410352	hyper	sig	chr2_233939192
chr2	63055607	63055607	+	1.385E-57	9.76348E-55	0.275854	hyper	sig	chr2_63055607
chr2	1.85E+08	184597685	+	1.397E-57	9.83871E-55	0.288991	hyper	sig	chr2_184597685
chr17	81941474	81941474	+	1.48E-57	1.04168E-54	-0.39726	hypo	sig	chr17_81941474
chr1	3067933	3067933	+	1.49E-57	1.04749E-54	0.293646	hyper	sig	chr1_3067933
chr7	1.43E+08	142797284	+	1.505E-57	1.05722E-54	0.269591	hyper	sig	chr7_142797284
chr1	14599482	14599482	+	1.535E-57	1.07744E-54	0.315978	hyper	sig	chr1_14599482
chr1	3651379	3651379	+	1.557E-57	1.09174E-54	0.282049	hyper	sig	chr1_3651379
chr17	64778561	64778561	+	1.558E-57	1.09174E-54	0.332286	hyper	sig	chr17_64778561
chr19	49133326	49133326	+	1.567E-57	1.09678E-54	0.366318	hyper	sig	chr19_49133326
chr8	1.44E+08	143950440	+	1.574E-57	1.10111E-54	-0.39487	hypo	sig	chr8_143950440
chr19	3482781	3482781	+	1.576E-57	1.10148E-54	-0.40584	hypo	sig	chr19_3482781
chr4	1.76E+08	176066150	+	1.626E-57	1.13513E-54	0.287262	hyper	sig	chr4_176066150
chr4	15787759	15787759	+	1.731E-57	1.20804E-54	-0.38582	hypo	sig	chr4_15787759
chr13	25171805	25171805	+	1.735E-57	1.2095E-54	0.370233	hyper	sig	chr13_25171805
chr4	1.11E+08	110630714	+	1.77E-57	1.23272E-54	0.32922	hyper	sig	chr4_110630714
chr15	1.01E+08	100880526	+	1.791E-57	1.24501E-54	0.351387	hyper	sig	chr15_100880526
chr4	42152869	42152869	+	1.79E-57	1.24501E-54	0.345417	hyper	sig	chr4_42152869
chr3	1.27E+08	126541427	+	1.832E-57	1.27265E-54	-0.36849	hypo	sig	chr3_126541427
chr2	74499366	74499366	+	1.873E-57	1.30016E-54	0.248364	hyper	sig	chr2_74499366
chr6	393199	393199	+	1.917E-57	1.3296E-54	0.323881	hyper	sig	chr6_393199
chr13	1.12E+08	112055224	+	1.935E-57	1.34054E-54	0.359371	hyper	sig	chr13_112055224
chr5	1.75E+08	174732670	+	1.942E-57	1.34434E-54	0.411337	hyper	sig	chr5_174732670
chr7	1.58E+08	158238034	+	1.981E-57	1.37034E-54	-0.35917	hypo	sig	chr7_158238034

chr17	8408382	8408382	+	2.022E-57	1.39717E-54	-0.41649	hypo	sig	chr17_8408382
chr4	80265971	80265971	+	2.023E-57	1.39717E-54	0.311364	hyper	sig	chr4_80265971
chr12	81077692	81077692	+	2.026E-57	1.39813E-54	0.335195	hyper	sig	chr12_81077692
chr19	1399167	1399167	+	2.066E-57	1.42459E-54	-0.3656	hypo	sig	chr19_1399167
chr2	1E+08	100391820	+	2.128E-57	1.46558E-54	-0.34481	hypo	sig	chr2_100391820
chr21	26966996	26966996	+	2.164E-57	1.48945E-54	0.416428	hyper	sig	chr21_26966996
chr6	1.52E+08	151807402	+	2.301E-57	1.58239E-54	0.331197	hyper	sig	chr6_151807402
chr18	904898	904898	+	2.312E-57	1.58855E-54	0.391764	hyper	sig	chr18_904898
chr6	10398465	10398465	+	2.339E-57	1.60559E-54	0.388562	hyper	sig	chr6_10398465
chr12	54029754	54029754	+	2.364E-57	1.62185E-54	0.322515	hyper	sig	chr12_54029754
chr5	1.41E+08	141476791	+	2.371E-57	1.62506E-54	0.308012	hyper	sig	chr5_141476791
chr19	21474834	21474834	+	2.379E-57	1.62933E-54	0.359328	hyper	sig	chr19_21474834
chr8	71842943	71842943	+	2.411E-57	1.64976E-54	0.356275	hyper	sig	chr8_71842943
chr15	89409068	89409068	+	2.415E-57	1.65072E-54	0.296585	hyper	sig	chr15_89409068
chr13	1.13E+08	112995263	+	2.5E-57	1.70791E-54	-0.32832	hypo	sig	chr13_112995263
chr15	28832415	28832415	+	2.566E-57	1.75131E-54	0.345412	hyper	sig	chr15_28832415
chr15	83283237	83283237	+	2.611E-57	1.78017E-54	0.384575	hyper	sig	chr15_83283237
chr13	27923287	27923287	+	2.624E-57	1.7876E-54	0.367249	hyper	sig	chr13_27923287
chr1	1.59E+08	159188682	+	2.652E-57	1.80549E-54	0.328396	hyper	sig	chr1_159188682
chr1	1.59E+08	159188662	+	2.663E-57	1.81162E-54	0.33978	hyper	sig	chr1_159188662
chr14	36667164	36667164	+	2.728E-57	1.85369E-54	0.334904	hyper	sig	chr14_36667164
chr7	5304086	5304086	+	2.739E-57	1.85967E-54	-0.38231	hypo	sig	chr7_5304086
chr16	88938456	88938456	+	2.757E-57	1.87067E-54	-0.46853	hypo	sig	chr16_88938456
chr4	1.25E+08	125317229	+	2.904E-57	1.96833E-54	0.388275	hyper	sig	chr4_125317229
chr8	1.31E+08	131040641	+	2.971E-57	2.01207E-54	0.296196	hyper	sig	chr8_131040641
chr6	1.37E+08	137494588	+	3.031E-57	2.05116E-54	0.329668	hyper	sig	chr6_137494588
chr5	1.41E+08	141478540	+	3.085E-57	2.08589E-54	0.326512	hyper	sig	chr5_141478540
chr8	22408621	22408621	+	3.142E-57	2.12317E-54	-0.39479	hypo	sig	chr8_22408621
chr8	96159690	96159690	+	3.164E-57	2.13616E-54	0.315588	hyper	sig	chr8_96159690
chr18	37567214	37567214	+	3.183E-57	2.14723E-54	0.310699	hyper	sig	chr18_37567214
chr2	1.19E+08	119158170	+	3.3E-57	2.22413E-54	0.379942	hyper	sig	chr2_119158170
chr10	1.01E+08	101134334	+	3.334E-57	2.24524E-54	0.313706	hyper	sig	chr10_101134334
chr2	2.27E+08	227460267	+	3.406E-57	2.29153E-54	-0.30431	hypo	sig	chr2_227460267
chr1	3650739	3650739	+	3.483E-57	2.34144E-54	0.33938	hyper	sig	chr1_3650739
chr10	1.3E+08	129852149	+	3.718E-57	2.49749E-54	-0.34988	hypo	sig	chr10_129852149
chr4	1.76E+08	176066208	+	3.865E-57	2.59381E-54	0.225787	hyper	sig	chr4_176066208
chr11	1.21E+08	120562348	+	3.894E-57	2.61109E-54	-0.41425	hypo	sig	chr11_120562348
chr3	6862504	6862504	+	3.967E-57	2.6584E-54	0.368217	hyper	sig	chr3_6862504
chr6	31776067	31776067	+	4.207E-57	2.81693E-54	-0.27047	hypo	sig	chr6_31776067
chr8	71844697	71844697	+	4.452E-57	2.97851E-54	0.332655	hyper	sig	chr8_71844697
chr4	15787774	15787774	+	4.709E-57	3.1475E-54	-0.3858	hypo	sig	chr4_15787774
chr4	1.76E+08	176066191	+	4.834E-57	3.22813E-54	0.250419	hyper	sig	chr4_176066191
chr17	81400896	81400896	+	5.022E-57	3.35112E-54	0.365542	hyper	sig	chr17_81400896
chr7	85185826	85185826	+	5.04E-57	3.36037E-54	0.268412	hyper	sig	chr7_85185826
chr6	1.68E+08	168227729	+	5.075E-57	3.38086E-54	-0.37513	hypo	sig	chr6_168227729
chr3	62371271	62371271	+	5.16E-57	3.43479E-54	0.436907	hyper	sig	chr3_62371271
chr11	44311108	44311108	+	5.229E-57	3.47802E-54	0.327402	hyper	sig	chr11_44311108
chr13	27924295	27924295	+	5.291E-57	3.51553E-54	0.410632	hyper	sig	chr13_27924295
chr7	85185862	85185862	+	5.294E-57	3.51553E-54	0.309814	hyper	sig	chr7_85185862
chr21	26967052	26967052	+	5.451E-57	3.61677E-54	0.36991	hyper	sig	chr21_26967052
chr1	2E+08	200038442	+	5.667E-57	3.75712E-54	0.402285	hyper	sig	chr1_200038442
chr3	1.88E+08	187670340	+	5.803E-57	3.84372E-54	0.350139	hyper	sig	chr3_187670340
chr13	27924885	27924885	+	6E-57	3.97102E-54	0.415382	hyper	sig	chr13_27924885
chr14	85532125	85532125	+	6.01E-57	3.97122E-54	0.328017	hyper	sig	chr14_85532125
chr5	1.39E+08	139394260	+	6.007E-57	3.97122E-54	0.343909	hyper	sig	chr5_139394260
chr16	81493752	81493752	+	6.048E-57	3.99338E-54	-0.31719	hypo	sig	chr16_81493752

chr5	1.35E+08	135327195	+	6.075E-57	4.00765E-54	0.306519	hyper	sig	chr5_135327195
chr1	47434515	47434515	+	6.118E-57	4.03252E-54	0.312939	hyper	sig	chr1_47434515
chr3	1.47E+08	147411417	+	6.307E-57	4.15433E-54	0.316415	hyper	sig	chr3_147411417
chr18	79785165	79785165	+	6.668E-57	4.38819E-54	-0.34801	hypo	sig	chr18_79785165
chr12	54029756	54029756	+	6.868E-57	4.51621E-54	0.325158	hyper	sig	chr12_54029756
chr19	57584100	57584100	+	7.035E-57	4.62258E-54	0.422101	hyper	sig	chr19_57584100
chr12	54047353	54047353	+	7.134E-57	4.68333E-54	0.416126	hyper	sig	chr12_54047353
chr15	70475310	70475310	+	7.235E-57	4.74604E-54	-0.33501	hypo	sig	chr15_70475310
chr16	89916215	89916215	+	7.746E-57	5.07739E-54	-0.35968	hypo	sig	chr16_89916215
chr10	96370115	96370115	+	8.12E-57	5.31824E-54	-0.39425	hypo	sig	chr10_96370115
chr14	51094068	51094068	+	9.271E-57	6.06336E-54	0.367738	hyper	sig	chr14_51094068
chr19	57727573	57727573	+	9.273E-57	6.06336E-54	0.388654	hyper	sig	chr19_57727573
chr16	51151496	51151496	+	9.869E-57	6.44778E-54	0.2605	hyper	sig	chr16_51151496
chr1	47446407	47446407	+	1.02E-56	6.66053E-54	0.318034	hyper	sig	chr1_47446407
chr5	1.14E+08	114056276	+	1.022E-56	6.66395E-54	0.342647	hyper	sig	chr5_114056276
chr1	1.19E+08	118986004	+	1.044E-56	6.80379E-54	0.389597	hyper	sig	chr1_118986004
chr6	29554011	29554011	+	1.064E-56	6.93009E-54	0.403038	hyper	sig	chr6_29554011
chr16	77789305	77789305	+	1.112E-56	7.23896E-54	0.453413	hyper	sig	chr16_77789305
chr15	55588871	55588871	+	1.125E-56	7.3132E-54	0.353548	hyper	sig	chr15_55588871
chr17	81941477	81941477	+	1.143E-56	7.42515E-54	-0.40374	hypo	sig	chr17_81941477
chr20	21509563	21509563	+	1.165E-56	7.56116E-54	0.365501	hyper	sig	chr20_21509563
chr1	1.19E+08	118987455	+	1.196E-56	7.75473E-54	0.325946	hyper	sig	chr1_118987455
chr17	80086322	80086322	+	1.199E-56	7.77097E-54	-0.40558	hypo	sig	chr17_80086322
chr13	78596236	78596236	+	1.243E-56	8.04764E-54	0.32119	hyper	sig	chr13_78596236
chr5	54883814	54883814	+	1.297E-56	8.39177E-54	0.311477	hyper	sig	chr5_54883814
chr10	7409457	7409457	+	1.332E-56	8.61136E-54	0.318662	hyper	sig	chr10_7409457
chr4	1.74E+08	173530127	+	1.414E-56	9.13787E-54	0.287254	hyper	sig	chr4_173530127
chr16	918034	918034	+	1.464E-56	9.45185E-54	0.299055	hyper	sig	chr16_918034
chr4	1.33E+08	133148165	+	1.479E-56	9.54312E-54	0.308708	hyper	sig	chr4_133148165
chr7	45921695	45921695	+	1.512E-56	9.74224E-54	0.325824	hyper	sig	chr7_45921695
chr19	22634254	22634254	+	1.521E-56	9.79779E-54	0.336821	hyper	sig	chr19_22634254
chr2	70790482	70790482	+	1.556E-56	1.00123E-53	0.30363	hyper	sig	chr2_70790482
chr18	32139960	32139960	+	1.576E-56	1.01346E-53	-0.5081	hypo	sig	chr18_32139960
chr7	54542340	54542340	+	1.633E-56	1.04921E-53	0.403169	hyper	sig	chr7_54542340
chr17	76948776	76948776	+	1.662E-56	1.06694E-53	-0.35773	hypo	sig	chr17_76948776
chr13	1.02E+08	101917496	+	1.667E-56	1.06925E-53	0.309141	hyper	sig	chr13_101917496
chr12	72273413	72273413	+	1.723E-56	1.1044E-53	0.301585	hyper	sig	chr12_72273413
chr13	29480305	29480305	+	1.772E-56	1.13476E-53	-0.4212	hypo	sig	chr13_29480305
chr16	3305314	3305314	+	1.781E-56	1.13879E-53	0.29931	hyper	sig	chr16_3305314
chr7	5304131	5304131	+	1.781E-56	1.13879E-53	-0.39263	hypo	sig	chr7_5304131
chr5	1.46E+08	146339108	+	1.829E-56	1.16869E-53	0.316105	hyper	sig	chr5_146339108
chr11	1114095	1114095	+	1.842E-56	1.17575E-53	-0.31159	hypo	sig	chr11_1114095
chr16	1549145	1549145	+	1.936E-56	1.23512E-53	-0.34214	hypo	sig	chr16_1549145
chr6	57800208	57800208	+	1.943E-56	1.23856E-53	0.350769	hyper	sig	chr6_57800208
chr19	52369951	52369951	+	1.95E-56	1.24186E-53	0.343654	hyper	sig	chr19_52369951
chr1	10672849	10672849	+	1.999E-56	1.27248E-53	0.273526	hyper	sig	chr1_10672849
chr7	5304141	5304141	+	2.02E-56	1.28446E-53	-0.38196	hypo	sig	chr7_5304141
chr3	1.6E+08	160039172	+	2.028E-56	1.28847E-53	0.327083	hyper	sig	chr3_160039172
chr1	14599476	14599476	+	2.073E-56	1.31636E-53	0.32794	hyper	sig	chr1_14599476
chr2	1633296	1633296	+	2.231E-56	1.41559E-53	-0.47389	hypo	sig	chr2_1633296
chr8	24914920	24914920	+	2.264E-56	1.43528E-53	0.313953	hyper	sig	chr8_24914920
chr16	83935295	83935295	+	2.313E-56	1.46516E-53	-0.38829	hypo	sig	chr16_83935295
chr1	2E+08	200038313	+	2.44E-56	1.54445E-53	0.419734	hyper	sig	chr1_200038313
chr9	37026754	37026754	+	2.471E-56	1.56308E-53	0.395319	hyper	sig	chr9_37026754
chr7	1.58E+08	157684203	+	2.482E-56	1.56878E-53	0.402565	hyper	sig	chr7_157684203
chr21	26967036	26967036	+	2.523E-56	1.59345E-53	0.355702	hyper	sig	chr21_26967036

chr10	1.3E+08	129969834	+	2.619E-56	1.65275E-53	0.27256	hyper	sig	chr10_129969834
chr19	57320974	57320974	+	2.625E-56	1.65494E-53	0.276399	hyper	sig	chr19_57320974
chr16	1436506	1436506	+	2.643E-56	1.66487E-53	-0.38874	hypo	sig	chr16_1436506
chr16	85620503	85620503	+	2.674E-56	1.68321E-53	-0.2874	hypo	sig	chr16_85620503
chr13	1.1E+08	110308210	+	2.689E-56	1.69148E-53	0.271663	hyper	sig	chr13_110308210
chr17	64779064	64779064	+	2.705E-56	1.70033E-53	0.452148	hyper	sig	chr17_64779064
chr8	49910605	49910605	+	2.746E-56	1.7249E-53	0.325861	hyper	sig	chr8_49910605
chr16	67163750	67163750	+	2.809E-56	1.76302E-53	0.365777	hyper	sig	chr16_67163750
chr1	31772340	31772340	+	2.921E-56	1.83141E-53	0.288807	hyper	sig	chr1_31772340
chr12	81077837	81077837	+	2.949E-56	1.84784E-53	0.383864	hyper	sig	chr12_81077837
chr3	1.7E+08	169822723	+	3.028E-56	1.8957E-53	-0.44134	hypo	sig	chr3_169822723
chr3	1.7E+08	169822707	+	3.035E-56	1.89862E-53	-0.45605	hypo	sig	chr3_169822707
chr17	64779070	64779070	+	3.062E-56	1.91406E-53	0.451829	hyper	sig	chr17_64779070
chr1	2.01E+08	201289180	+	3.154E-56	1.96994E-53	0.311658	hyper	sig	chr1_201289180
chr7	1.46E+08	146117093	+	3.366E-56	2.10089E-53	0.339575	hyper	sig	chr7_146117093
chr3	44022114	44022114	+	3.426E-56	2.13692E-53	0.293814	hyper	sig	chr3_44022114
chr1	3579116	3579116	+	3.523E-56	2.19592E-53	-0.30661	hypo	sig	chr1_3579116
chr1	3245488	3245488	+	3.56E-56	2.21689E-53	-0.32378	hypo	sig	chr1_3245488
chr11	1.06E+08	105610636	+	3.65E-56	2.27124E-53	0.286184	hyper	sig	chr11_105610636
chr13	1.12E+08	112068005	+	3.686E-56	2.29185E-53	0.286558	hyper	sig	chr13_112068005
chr12	1.24E+08	123931740	+	3.832E-56	2.38102E-53	-0.34645	hypo	sig	chr12_123931740
chr8	11982335	11982335	+	3.911E-56	2.42822E-53	-0.36832	hypo	sig	chr8_11982335
chr8	71842657	71842657	+	4.021E-56	2.49436E-53	0.412656	hyper	sig	chr8_71842657
chr17	82711040	82711040	+	4.054E-56	2.51321E-53	-0.35481	hypo	sig	chr17_82711040
chr20	21713790	21713790	+	4.105E-56	2.54291E-53	0.329236	hyper	sig	chr20_21713790
chr2	1.05E+08	105397481	+	4.164E-56	2.57744E-53	-0.44644	hypo	sig	chr2_105397481
chr2	2.42E+08	241852770	+	4.281E-56	2.64758E-53	-0.32184	hypo	sig	chr2_241852770
chr3	1.6E+08	160039166	+	4.29E-56	2.65145E-53	0.307179	hyper	sig	chr3_160039166
chr3	49902991	49902991	+	4.422E-56	2.73052E-53	-0.35911	hypo	sig	chr3_49902991
chr10	1.32E+08	132226814	+	4.428E-56	2.73265E-53	-0.28246	hypo	sig	chr10_132226814
chr1	1211458	1211458	+	4.719E-56	2.90967E-53	-0.34964	hypo	sig	chr1_1211458
chr2	1.19E+08	118857988	+	4.883E-56	3.00841E-53	0.337637	hyper	sig	chr2_118857988
chr13	1.1E+08	109781644	+	5.291E-56	3.25745E-53	-0.40375	hypo	sig	chr13_109781644
chr17	9022943	9022943	+	5.408E-56	3.32719E-53	0.320158	hyper	sig	chr17_9022943
chr11	1075763	1075763	+	5.511E-56	3.38792E-53	-0.3194	hypo	sig	chr11_1075763
chr3	1.6E+08	160039198	+	5.565E-56	3.41858E-53	0.331833	hyper	sig	chr3_160039198
chr1	2334974	2334974	+	5.604E-56	3.43945E-53	-0.36087	hypo	sig	chr1_2334974
chr10	49608844	49608844	+	5.617E-56	3.44479E-53	0.398269	hyper	sig	chr10_49608844
chr5	1.35E+08	135027359	+	5.637E-56	3.45477E-53	0.390891	hyper	sig	chr5_135027359
chr18	79785067	79785067	+	5.744E-56	3.51797E-53	-0.36474	hypo	sig	chr18_79785067
chr5	3591025	3591025	+	5.861E-56	3.58634E-53	0.363214	hyper	sig	chr5_3591025
chr16	67163269	67163269	+	5.875E-56	3.59254E-53	0.326751	hyper	sig	chr16_67163269
chr16	85286242	85286242	+	5.972E-56	3.64932E-53	-0.34549	hypo	sig	chr16_85286242
chr5	3590872	3590872	+	5.995E-56	3.66019E-53	0.328236	hyper	sig	chr5_3590872
chr5	1657231	1657231	+	6.145E-56	3.74923E-53	-0.39404	hypo	sig	chr5_1657231
chr12	1.32E+08	132423821	+	6.224E-56	3.79417E-53	-0.32135	hypo	sig	chr12_132423821
chr5	1.41E+08	141476902	+	6.402E-56	3.89979E-53	0.257095	hyper	sig	chr5_141476902
chr2	74499894	74499894	+	6.635E-56	4.03878E-53	0.329293	hyper	sig	chr2_74499894
chr6	84764730	84764730	+	6.99E-56	4.25163E-53	0.279465	hyper	sig	chr6_84764730
chr4	1.55E+08	154742111	+	7.44E-56	4.52192E-53	0.302958	hyper	sig	chr4_154742111
chr4	1.47E+08	146640639	+	7.478E-56	4.54202E-53	0.343812	hyper	sig	chr4_146640639
chr18	37567216	37567216	+	7.501E-56	4.5526E-53	0.30504	hyper	sig	chr18_37567216
chr6	1.01E+08	101399822	+	7.552E-56	4.58019E-53	0.355738	hyper	sig	chr6_101399822
chr14	64539298	64539298	+	7.725E-56	4.68159E-53	-0.35988	hypo	sig	chr14_64539298
chr20	37522714	37522714	+	7.929E-56	4.80122E-53	-0.33651	hypo	sig	chr20_37522714
chr17	81400737	81400737	+	8.175E-56	4.94681E-53	0.33878	hyper	sig	chr17_81400737

chr19	3344275	3344275	+	8.218E-56	4.9688E-53	-0.32679	hypo	sig	chr19_3344275
chr4	1.55E+08	154741389	+	8.401E-56	5.07591E-53	0.363741	hyper	sig	chr4_154741389
chr21	26967068	26967068	+	8.559E-56	5.16734E-53	0.347887	hyper	sig	chr21_26967068
chr12	6824256	6824256	+	8.613E-56	5.19651E-53	-0.35172	hypo	sig	chr12_6824256
chr16	88415928	88415928	+	8.967E-56	5.40572E-53	-0.36933	hypo	sig	chr16_88415928
chr15	55588846	55588846	+	9.155E-56	5.51492E-53	0.33664	hyper	sig	chr15_55588846
chr1	2334980	2334980	+	9.66E-56	5.81514E-53	-0.37038	hypo	sig	chr1_2334980
chr3	1.47E+08	147411426	+	9.908E-56	5.95993E-53	0.32491	hyper	sig	chr3_147411426
chr1	2.08E+08	207645364	+	1.015E-55	6.09744E-53	0.43306	hyper	sig	chr1_207645364
chr10	7409876	7409876	+	1.015E-55	6.09744E-53	0.289479	hyper	sig	chr10_7409876
chr19	58440468	58440468	+	1.017E-55	6.1036E-53	0.250594	hyper	sig	chr19_58440468
chr19	3482715	3482715	+	1.024E-55	6.13887E-53	-0.43963	hypo	sig	chr19_3482715
chr10	1.3E+08	129852177	+	1.032E-55	6.18185E-53	-0.35791	hypo	sig	chr10_129852177
chr7	1.5E+08	150220076	+	1.037E-55	6.21059E-53	0.360954	hyper	sig	chr7_150220076
chr16	71426412	71426412	+	1.072E-55	6.41375E-53	0.244632	hyper	sig	chr16_71426412
chr1	1006988	1006988	+	1.073E-55	6.41611E-53	-0.37911	hypo	sig	chr1_1006988
chr22	50485461	50485461	+	1.094E-55	6.53956E-53	-0.34733	hypo	sig	chr22_50485461
chr11	67665552	67665552	+	1.103E-55	6.58623E-53	-0.38285	hypo	sig	chr11_67665552
chr6	84764787	84764787	+	1.141E-55	6.80828E-53	0.275823	hyper	sig	chr6_84764787
chr3	1.7E+08	169822326	+	1.193E-55	7.11571E-53	-0.53882	hypo	sig	chr3_169822326
chr3	27723884	27723884	+	1.249E-55	7.44412E-53	0.351215	hyper	sig	chr3_27723884
chr1	1.22E+08	121519667	+	1.251E-55	7.44691E-53	0.346791	hyper	sig	chr1_121519667
chr1	27351506	27351506	+	1.252E-55	7.44946E-53	0.362753	hyper	sig	chr1_27351506
chr10	3103988	3103988	+	1.278E-55	7.59648E-53	0.360797	hyper	sig	chr10_3103988
chr19	44448537	44448537	+	1.306E-55	7.75757E-53	0.327193	hyper	sig	chr19_44448537
chr2	1.19E+08	118857939	+	1.325E-55	7.86367E-53	0.319122	hyper	sig	chr2_118857939
chr1	2.08E+08	207645078	+	1.329E-55	7.8829E-53	0.376913	hyper	sig	chr1_207645078
chr15	1.01E+08	100880554	+	1.351E-55	8.00932E-53	0.332695	hyper	sig	chr15_100880554
chr16	85620594	85620594	+	1.388E-55	8.22002E-53	-0.315	hypo	sig	chr16_85620594
chr5	3597238	3597238	+	1.407E-55	8.32716E-53	0.401499	hyper	sig	chr5_3597238
chr16	51151572	51151572	+	1.411E-55	8.34416E-53	0.304829	hyper	sig	chr16_51151572
chr16	912818	912818	+	1.423E-55	8.41253E-53	0.266379	hyper	sig	chr16_912818
chr12	1.17E+08	117033203	+	1.455E-55	8.59359E-53	0.353738	hyper	sig	chr12_117033203
chr5	1.41E+08	141476898	+	1.46E-55	8.61423E-53	0.257257	hyper	sig	chr5_141476898
chr19	1399239	1399239	+	1.466E-55	8.64376E-53	-0.37258	hypo	sig	chr19_1399239
chr2	2.31E+08	231401366	+	1.506E-55	8.87211E-53	0.310076	hyper	sig	chr2_231401366
chr8	24914922	24914922	+	1.54E-55	9.06729E-53	0.319853	hyper	sig	chr8_24914922
chr6	84764751	84764751	+	1.613E-55	9.48942E-53	0.289632	hyper	sig	chr6_84764751
chr22	24427546	24427546	+	1.63E-55	9.58278E-53	-0.31672	hypo	sig	chr22_24427546
chr2	2.34E+08	233939114	+	1.637E-55	9.62101E-53	0.358711	hyper	sig	chr2_233939114
chr1	2497443	2497443	+	1.65E-55	9.68797E-53	-0.37855	hypo	sig	chr1_2497443
chr18	57441328	57441328	+	1.674E-55	9.82068E-53	0.206105	hyper	sig	chr18_57441328
chr5	1.16E+08	115816723	+	1.688E-55	9.89537E-53	0.352935	hyper	sig	chr5_115816723
chr16	88498649	88498649	+	1.698E-55	9.94597E-53	0.331382	hyper	sig	chr16_88498649
chr16	1548879	1548879	+	1.723E-55	1.00884E-52	-0.30124	hypo	sig	chr16_1548879
chr1	2.21E+08	220884476	+	1.772E-55	1.03697E-52	0.322825	hyper	sig	chr1_220884476
chr15	89409016	89409016	+	1.776E-55	1.03835E-52	0.289174	hyper	sig	chr15_89409016
chr18	78981152	78981152	+	1.79E-55	1.04545E-52	0.374993	hyper	sig	chr18_78981152
chr5	3591060	3591060	+	1.806E-55	1.05452E-52	0.36178	hyper	sig	chr5_3591060
chr1	2.35E+08	234723235	+	1.858E-55	1.08391E-52	-0.39962	hypo	sig	chr1_234723235
chr15	26774118	26774118	+	2.001E-55	1.16651E-52	0.304478	hyper	sig	chr15_26774118
chr18	12253829	12253829	+	2.005E-55	1.16797E-52	0.299509	hyper	sig	chr18_12253829
chr14	28774249	28774249	+	2.17E-55	1.26306E-52	0.326918	hyper	sig	chr14_28774249
chr19	57351147	57351147	+	2.209E-55	1.28466E-52	0.216972	hyper	sig	chr19_57351147
chr11	67452675	67452675	+	2.278E-55	1.32414E-52	-0.34731	hypo	sig	chr11_67452675
chr1	2.44E+08	243917683	+	2.399E-55	1.39334E-52	0.355529	hyper	sig	chr1_243917683

chr12	54029762	54029762	+	2.544E-55	1.47677E-52	0.318698	hyper	sig	chr12_54029762
chr7	5304024	5304024	+	2.676E-55	1.5524E-52	-0.41066	hypo	sig	chr7_5304024
chr14	60485517	60485517	+	2.71E-55	1.5705E-52	0.33109	hyper	sig	chr14_60485517
chr3	1.28E+08	128483333	+	2.748E-55	1.59138E-52	0.410793	hyper	sig	chr3_128483333
chr16	89916011	89916011	+	2.776E-55	1.60679E-52	-0.33969	hypo	sig	chr16_89916011
chr6	10422335	10422335	+	2.79E-55	1.61374E-52	0.350978	hyper	sig	chr6_10422335
chr5	1.75E+08	174731954	+	2.906E-55	1.67947E-52	0.341289	hyper	sig	chr5_174731954
chr5	1.39E+08	139394225	+	2.968E-55	1.71423E-52	0.336223	hyper	sig	chr5_139394225
chr4	21304386	21304386	+	2.987E-55	1.72372E-52	0.286455	hyper	sig	chr4_21304386
chr6	71421004	71421004	+	3.035E-55	1.75058E-52	0.341746	hyper	sig	chr6_71421004
chr16	917921	917921	+	3.053E-55	1.75966E-52	0.241391	hyper	sig	chr16_917921
chr4	41748373	41748373	+	3.131E-55	1.80311E-52	0.325466	hyper	sig	chr4_41748373
chr1	1210234	1210234	+	3.249E-55	1.86966E-52	-0.36403	hypo	sig	chr1_1210234
chr13	27924407	27924407	+	3.282E-55	1.88745E-52	0.324598	hyper	sig	chr13_27924407
chr22	46076701	46076701	+	3.316E-55	1.90545E-52	-0.39675	hypo	sig	chr22_46076701
chr6	29553562	29553562	+	3.416E-55	1.96177E-52	0.253627	hyper	sig	chr6_29553562
chr6	71421028	71421028	+	3.422E-55	1.96365E-52	0.337253	hyper	sig	chr6_71421028
chr4	1.64E+08	164383177	+	3.488E-55	2.00008E-52	0.375094	hyper	sig	chr4_164383177
chr13	1.12E+08	112105409	+	3.53E-55	2.02285E-52	0.428897	hyper	sig	chr13_112105409
chr10	7408413	7408413	+	3.567E-55	2.0429E-52	0.308277	hyper	sig	chr10_7408413
chr2	1.19E+08	118857967	+	3.599E-55	2.05933E-52	0.301696	hyper	sig	chr2_118857967
chr11	614822	614822	+	3.654E-55	2.08937E-52	-0.39709	hypo	sig	chr11_614822
chr7	5302846	5302846	+	3.723E-55	2.12728E-52	-0.426	hypo	sig	chr7_5302846
chr2	74499399	74499399	+	3.87E-55	2.20994E-52	0.238954	hyper	sig	chr2_74499399
chr13	1.12E+08	112106667	+	3.948E-55	2.25313E-52	0.26604	hyper	sig	chr13_112106667
chr18	37567236	37567236	+	3.966E-55	2.26171E-52	0.30472	hyper	sig	chr18_37567236
chr16	87407805	87407805	+	3.984E-55	2.27042E-52	-0.40538	hypo	sig	chr16_87407805
chr1	27351457	27351457	+	4.073E-55	2.31926E-52	0.410001	hyper	sig	chr1_27351457
chr4	95548483	95548483	+	4.101E-55	2.33363E-52	0.25576	hyper	sig	chr4_95548483
chr4	1.9E+08	190020569	+	4.178E-55	2.37562E-52	0.354655	hyper	sig	chr4_190020569
chr13	1.14E+08	114048526	+	4.191E-55	2.38146E-52	-0.34399	hypo	sig	chr13_114048526
chr7	1.01E+08	100865653	+	4.438E-55	2.52006E-52	-0.40002	hypo	sig	chr7_100865653
chr2	74499886	74499886	+	4.521E-55	2.56555E-52	0.313793	hyper	sig	chr2_74499886
chr1	75131228	75131228	+	4.573E-55	2.59309E-52	0.344663	hyper	sig	chr1_75131228
chr8	66432272	66432272	+	4.641E-55	2.62979E-52	0.329762	hyper	sig	chr8_66432272
chr1	2054750	2054750	+	4.917E-55	2.78417E-52	0.317565	hyper	sig	chr1_2054750
chr1	2.44E+08	243917670	+	5.022E-55	2.84187E-52	0.336081	hyper	sig	chr1_243917670
chr2	1E+08	100391818	+	5.045E-55	2.85289E-52	-0.33693	hypo	sig	chr2_100391818
chr8	17026688	17026688	+	5.269E-55	2.9775E-52	0.387262	hyper	sig	chr8_17026688
chr6	62286058	62286058	+	5.336E-55	3.01292E-52	0.390627	hyper	sig	chr6_62286058
chr16	88416218	88416218	+	5.425E-55	3.06126E-52	-0.35796	hypo	sig	chr16_88416218
chr1	31772299	31772299	+	5.845E-55	3.29592E-52	0.293946	hyper	sig	chr1_31772299
chr4	1.33E+08	133148135	+	5.917E-55	3.3341E-52	0.289331	hyper	sig	chr4_133148135
chr6	10398521	10398521	+	6.066E-55	3.41587E-52	0.341408	hyper	sig	chr6_10398521
chr6	29553481	29553481	+	6.179E-55	3.4773E-52	0.286411	hyper	sig	chr6_29553481
chr16	51151475	51151475	+	6.244E-55	3.51143E-52	0.255827	hyper	sig	chr16_51151475
chr11	1.29E+08	128876326	+	6.493E-55	3.64842E-52	-0.31878	hypo	sig	chr11_128876326
chr4	13528645	13528645	+	6.506E-55	3.65326E-52	0.356793	hyper	sig	chr4_13528645
chr4	1.64E+08	164383194	+	6.671E-55	3.74359E-52	0.385306	hyper	sig	chr4_164383194
chr1	1006981	1006981	+	7.395E-55	4.14686E-52	-0.38945	hypo	sig	chr1_1006981
chr18	37567221	37567221	+	7.566E-55	4.23969E-52	0.307932	hyper	sig	chr18_37567221
chr16	67161866	67161866	+	7.581E-55	4.24525E-52	-0.33801	hypo	sig	chr16_67161866
chr19	56393596	56393596	+	7.813E-55	4.37205E-52	0.232151	hyper	sig	chr19_56393596
chr1	1.19E+08	118989524	+	8.054E-55	4.50397E-52	0.333763	hyper	sig	chr1_118989524
chr5	1.41E+08	141485048	+	8.408E-55	4.69852E-52	0.396592	hyper	sig	chr5_141485048
chr5	1.75E+08	174731928	+	8.468E-55	4.72918E-52	0.390672	hyper	sig	chr5_174731928

chr16	67163247	67163247	+	8.632E-55	4.81706E-52	0.326532	hyper	sig	chr16_67163247
chr14	36667186	36667186	+	8.752E-55	4.88092E-52	0.358907	hyper	sig	chr14_36667186
chr1	10672809	10672809	+	8.785E-55	4.89579E-52	0.284994	hyper	sig	chr1_10672809
chr1	2E+08	200034223	+	8.84E-55	4.92333E-52	0.382409	hyper	sig	chr1_200034223
chr22	46076688	46076688	+	9.266E-55	5.15698E-52	-0.38746	hypo	sig	chr22_46076688
chr1	1006991	1006991	+	9.282E-55	5.16205E-52	-0.36019	hypo	sig	chr1_1006991
chr6	1E+08	100464269	+	9.425E-55	5.23832E-52	0.328751	hyper	sig	chr6_100464269
chr13	1.13E+08	112994615	+	9.447E-55	5.24686E-52	-0.3665	hypo	sig	chr13_112994615
chr10	7409471	7409471	+	9.703E-55	5.38519E-52	0.329018	hyper	sig	chr10_7409471
chr19	57584077	57584077	+	9.938E-55	5.51192E-52	0.425357	hyper	sig	chr19_57584077
chr11	92224470	92224470	+	1.036E-54	5.74409E-52	0.289028	hyper	sig	chr11_92224470
chr8	23064628	23064628	+	1.038E-54	5.74915E-52	-0.43873	hypo	sig	chr8_23064628
chr10	1.3E+08	129852094	+	1.064E-54	5.89152E-52	-0.35593	hypo	sig	chr10_129852094
chr22	46085201	46085201	+	1.069E-54	5.91323E-52	-0.34862	hypo	sig	chr22_46085201
chr1	47434584	47434584	+	1.082E-54	5.98009E-52	0.328006	hyper	sig	chr1_47434584
chr17	81858766	81858766	+	1.083E-54	5.98009E-52	-0.26181	hypo	sig	chr17_81858766
chr6	436632	436632	+	1.116E-54	6.1627E-52	-0.34215	hypo	sig	chr6_436632
chr13	77919429	77919429	+	1.127E-54	6.21747E-52	0.330662	hyper	sig	chr13_77919429
chr6	71420986	71420986	+	1.169E-54	6.44148E-52	0.346089	hyper	sig	chr6_71420986
chr1	99005245	99005245	+	1.174E-54	6.4696E-52	0.314688	hyper	sig	chr1_99005245
chr10	1.32E+08	132487353	+	1.176E-54	6.47428E-52	-0.33858	hypo	sig	chr10_132487353
chr19	22634283	22634283	+	1.232E-54	6.77833E-52	0.294731	hyper	sig	chr19_22634283
chr6	1.6E+08	160350123	+	1.233E-54	6.77985E-52	-0.37442	hypo	sig	chr6_160350123
chr10	1.3E+08	129969837	+	1.238E-54	6.79894E-52	0.278498	hyper	sig	chr10_129969837
chr19	22634178	22634178	+	1.244E-54	6.82732E-52	0.368742	hyper	sig	chr19_22634178
chr14	1.01E+08	101442669	+	1.254E-54	6.87869E-52	-0.40484	hypo	sig	chr14_101442669
chr5	1.71E+08	171317056	+	1.258E-54	6.89675E-52	0.359781	hyper	sig	chr5_171317056
chr7	8442442	8442442	+	1.279E-54	7.00854E-52	0.36491	hyper	sig	chr7_8442442
chr12	1.33E+08	132904932	+	1.301E-54	7.12533E-52	0.319839	hyper	sig	chr12_132904932
chr5	3602184	3602184	+	1.311E-54	7.17351E-52	0.37136	hyper	sig	chr5_3602184
chr13	98444147	98444147	+	1.36E-54	7.43792E-52	-0.36799	hypo	sig	chr13_98444147
chr21	26967039	26967039	+	1.391E-54	7.6034E-52	0.361146	hyper	sig	chr21_26967039
chr2	1.19E+08	118859231	+	1.398E-54	7.63425E-52	0.300457	hyper	sig	chr2_118859231
chr8	97277939	97277939	+	1.442E-54	7.86928E-52	0.310289	hyper	sig	chr8_97277939
chr4	1.74E+08	173530115	+	1.445E-54	7.8792E-52	0.257358	hyper	sig	chr4_173530115
chr20	21519383	21519383	+	1.467E-54	7.99428E-52	0.326365	hyper	sig	chr20_21519383
chr7	1.43E+08	142797263	+	1.549E-54	8.43362E-52	0.254589	hyper	sig	chr7_142797263
chr5	1.35E+08	135327226	+	1.555E-54	8.46097E-52	0.27087	hyper	sig	chr5_135327226
chr13	98444122	98444122	+	1.568E-54	8.52863E-52	-0.37974	hypo	sig	chr13_98444122
chr17	17561841	17561841	+	1.578E-54	8.57724E-52	-0.37857	hypo	sig	chr17_17561841
chr2	2.07E+08	206642443	+	1.609E-54	8.73957E-52	0.338568	hyper	sig	chr2_206642443
chr19	1399201	1399201	+	1.625E-54	8.81789E-52	-0.35833	hypo	sig	chr19_1399201
chr17	5097600	5097600	+	1.649E-54	8.94449E-52	0.356935	hyper	sig	chr17_5097600
chr6	1.08E+08	108174413	+	1.695E-54	9.18706E-52	0.325365	hyper	sig	chr6_108174413
chr5	1.19E+08	119355407	+	1.701E-54	9.21133E-52	-0.36244	hypo	sig	chr5_119355407
chr2	74499828	74499828	+	1.758E-54	9.51604E-52	0.31948	hyper	sig	chr2_74499828
chr16	88938618	88938618	+	1.776E-54	9.60599E-52	-0.34633	hypo	sig	chr16_88938618
chr6	84764754	84764754	+	1.778E-54	9.60924E-52	0.288322	hyper	sig	chr6_84764754
chr2	2.39E+08	239275474	+	1.792E-54	9.68217E-52	-0.28116	hypo	sig	chr2_239275474
chr6	30112453	30112453	+	1.837E-54	9.92011E-52	-0.36023	hypo	sig	chr6_30112453
chr8	24915786	24915786	+	1.84E-54	9.92841E-52	0.347081	hyper	sig	chr8_24915786
chr11	1152513	1152513	+	1.86E-54	1.00272E-51	-0.30496	hypo	sig	chr11_1152513
chr10	1.05E+08	104642652	+	1.974E-54	1.06372E-51	0.31744	hyper	sig	chr10_104642652
chr19	58440491	58440491	+	1.994E-54	1.07393E-51	0.256443	hyper	sig	chr19_58440491
chr16	55656466	55656466	+	2.001E-54	1.07655E-51	0.344522	hyper	sig	chr16_55656466
chr1	2.35E+08	234772528	+	2.046E-54	1.10016E-51	-0.29188	hypo	sig	chr1_234772528

chr14	36667116	36667116	+	2.069E-54	1.11161E-51	0.316202	hyper	sig	chr14_36667116
chr10	11165489	11165489	+	2.087E-54	1.12079E-51	0.348526	hyper	sig	chr10_11165489
chr8	53877128	53877128	+	2.097E-54	1.1256E-51	0.434038	hyper	sig	chr8_53877128
chr16	1002768	1002768	+	2.112E-54	1.13247E-51	-0.39735	hypo	sig	chr16_1002768
chr14	1.04E+08	104179270	+	2.139E-54	1.14634E-51	-0.30714	hypo	sig	chr14_104179270
chr19	21474848	21474848	+	2.152E-54	1.15277E-51	0.353368	hyper	sig	chr19_21474848
chr17	48726877	48726877	+	2.183E-54	1.1683E-51	0.275154	hyper	sig	chr17_48726877
chr21	26967015	26967015	+	2.199E-54	1.17649E-51	0.386154	hyper	sig	chr21_26967015
chr13	78597067	78597067	+	2.278E-54	1.21782E-51	0.318486	hyper	sig	chr13_78597067
chr4	95548496	95548496	+	2.316E-54	1.2372E-51	0.276492	hyper	sig	chr4_95548496
chr2	74499856	74499856	+	2.32E-54	1.23836E-51	0.304613	hyper	sig	chr2_74499856
chr6	98825706	98825706	+	2.325E-54	1.24014E-51	0.323095	hyper	sig	chr6_98825706
chr11	94769375	94769375	+	2.336E-54	1.24538E-51	0.276529	hyper	sig	chr11_94769375
chr1	27351475	27351475	+	2.38E-54	1.26808E-51	0.388178	hyper	sig	chr1_27351475
chr16	67163226	67163226	+	2.393E-54	1.27406E-51	0.31802	hyper	sig	chr16_67163226
chr6	71420992	71420992	+	2.426E-54	1.29097E-51	0.342336	hyper	sig	chr6_71420992
chr19	36797755	36797755	+	2.43E-54	1.29235E-51	0.399561	hyper	sig	chr19_36797755
chr17	81400733	81400733	+	2.447E-54	1.30059E-51	0.304634	hyper	sig	chr17_81400733
chr13	27927772	27927772	+	2.521E-54	1.33842E-51	0.386224	hyper	sig	chr13_27927772
chr8	71842949	71842949	+	2.522E-54	1.33842E-51	0.36201	hyper	sig	chr8_71842949
chr6	1.08E+08	108174451	+	2.525E-54	1.33902E-51	0.314155	hyper	sig	chr6_108174451
chr1	10672855	10672855	+	2.577E-54	1.36589E-51	0.25136	hyper	sig	chr1_10672855
chr1	2.28E+08	228341278	+	2.594E-54	1.37371E-51	-0.35523	hypo	sig	chr1_228341278
chr19	58059074	58059074	+	2.645E-54	1.40014E-51	0.386734	hyper	sig	chr19_58059074
chr17	64779512	64779512	+	2.659E-54	1.40674E-51	0.394231	hyper	sig	chr17_64779512
chr17	17562186	17562186	+	2.684E-54	1.41864E-51	-0.32774	hypo	sig	chr17_17562186
chr4	5893386	5893386	+	2.694E-54	1.42313E-51	0.371442	hyper	sig	chr4_5893386
chr19	21474815	21474815	+	2.714E-54	1.4326E-51	0.385122	hyper	sig	chr19_21474815
chr1	3651394	3651394	+	2.756E-54	1.45412E-51	0.283612	hyper	sig	chr1_3651394
chr19	44448500	44448500	+	2.791E-54	1.47177E-51	0.31766	hyper	sig	chr19_44448500
chr7	54542337	54542337	+	2.835E-54	1.49404E-51	0.391607	hyper	sig	chr7_54542337
chr6	1.5E+08	149965094	+	2.868E-54	1.51015E-51	0.364305	hyper	sig	chr6_149965094
chr4	1.07E+08	107035963	+	2.874E-54	1.51241E-51	0.413296	hyper	sig	chr4_107035963
chr1	90724626	90724626	+	2.91E-54	1.53043E-51	0.309387	hyper	sig	chr1_90724626
chr17	81400715	81400715	+	2.933E-54	1.54146E-51	0.301327	hyper	sig	chr17_81400715
chr7	1.55E+08	155372784	+	2.98E-54	1.56516E-51	0.312735	hyper	sig	chr7_155372784
chr9	19789385	19789385	+	3.013E-54	1.58159E-51	0.369535	hyper	sig	chr9_19789385
chr16	3305312	3305312	+	3.034E-54	1.59058E-51	0.275869	hyper	sig	chr16_3305312
chr6	1594055	1594055	+	3.032E-54	1.59058E-51	-0.42343	hypo	sig	chr6_1594055
chr10	7408512	7408512	+	3.052E-54	1.59874E-51	0.393545	hyper	sig	chr10_7408512
chr19	36916520	36916520	+	3.205E-54	1.67761E-51	0.26229	hyper	sig	chr19_36916520
chr2	48755593	48755593	+	3.307E-54	1.73011E-51	0.324822	hyper	sig	chr2_48755593
chr4	1.55E+08	154742537	+	3.51E-54	1.83537E-51	0.328432	hyper	sig	chr4_154742537
chr5	1.35E+08	135028976	+	3.686E-54	1.92569E-51	0.389016	hyper	sig	chr5_135028976
chr2	74499823	74499823	+	3.901E-54	2.03701E-51	0.328297	hyper	sig	chr2_74499823
chr5	1.46E+08	146338098	+	3.904E-54	2.03721E-51	0.298401	hyper	sig	chr5_146338098
chr3	1.7E+08	169822741	+	3.946E-54	2.05766E-51	-0.43507	hypo	sig	chr3_169822741
chr12	81077870	81077870	+	3.949E-54	2.05802E-51	0.368467	hyper	sig	chr12_81077870
chr10	79242701	79242701	+	3.965E-54	2.06504E-51	0.443529	hyper	sig	chr10_79242701
chr8	24914915	24914915	+	4.003E-54	2.08371E-51	0.318457	hyper	sig	chr8_24914915
chr16	62036260	62036260	+	4.106E-54	2.13591E-51	0.353397	hyper	sig	chr16_62036260
chr14	85532176	85532176	+	4.22E-54	2.19369E-51	0.339964	hyper	sig	chr14_85532176
chr16	918036	918036	+	4.263E-54	2.21476E-51	0.301009	hyper	sig	chr16_918036
chr20	21509613	21509613	+	4.44E-54	2.30506E-51	0.329268	hyper	sig	chr20_21509613
chr5	1.16E+08	115816612	+	4.571E-54	2.37162E-51	0.37332	hyper	sig	chr5_115816612
chr6	10390684	10390684	+	4.578E-54	2.37376E-51	0.368644	hyper	sig	chr6_10390684

chr12	72273501	72273501	+	4.656E-54	2.41264E-51	0.312888	hyper	sig	chr12_72273501
chr7	97002428	97002428	+	4.843E-54	2.50794E-51	0.33203	hyper	sig	chr7_97002428
chr4	1.76E+08	176066152	+	4.99E-54	2.58253E-51	0.276171	hyper	sig	chr4_176066152
chr14	51094046	51094046	+	5.103E-54	2.63933E-51	0.363321	hyper	sig	chr14_51094046
chr4	1.9E+08	190020597	+	5.113E-54	2.64261E-51	0.345547	hyper	sig	chr4_190020597
chr15	1.01E+08	100880461	+	5.227E-54	2.69982E-51	0.355253	hyper	sig	chr15_100880461
chr11	1.29E+08	128692977	+	5.404E-54	2.78924E-51	0.290905	hyper	sig	chr11_128692977
chr12	54047454	54047454	+	5.444E-54	2.80809E-51	0.427074	hyper	sig	chr12_54047454
chr13	1.1E+08	110308141	+	5.509E-54	2.84022E-51	0.300952	hyper	sig	chr13_110308141
chr6	29554037	29554037	+	5.539E-54	2.85363E-51	0.427655	hyper	sig	chr6_29554037
chr12	81077921	81077921	+	5.737E-54	2.9538E-51	0.366775	hyper	sig	chr12_81077921
chr2	1.19E+08	118857920	+	6.021E-54	3.09806E-51	0.3352	hyper	sig	chr2_118857920
chr21	32585564	32585564	+	6.496E-54	3.34059E-51	-0.39654	hypo	sig	chr21_32585564
chr6	1.01E+08	101399836	+	6.618E-54	3.40109E-51	0.35095	hyper	sig	chr6_101399836
chr10	1.33E+08	133108293	+	6.683E-54	3.4321E-51	-0.3272	hypo	sig	chr10_133108293
chr1	50417753	50417753	+	6.766E-54	3.47282E-51	0.306106	hyper	sig	chr1_50417753
chr16	88155019	88155019	+	6.945E-54	3.56228E-51	-0.33452	hypo	sig	chr16_88155019
chr4	8191509	8191509	+	7.08E-54	3.62922E-51	-0.33117	hypo	sig	chr4_8191509
chr4	1.74E+08	173528865	+	7.32E-54	3.75007E-51	0.361754	hyper	sig	chr4_173528865
chr6	29554026	29554026	+	7.331E-54	3.75308E-51	0.40551	hyper	sig	chr6_29554026
chr19	55359110	55359110	+	7.479E-54	3.82639E-51	-0.35931	hypo	sig	chr19_55359110
chr8	23707157	23707157	+	7.65E-54	3.91171E-51	0.325731	hyper	sig	chr8_23707157
chr17	7179739	7179739	+	7.755E-54	3.96252E-51	-0.34306	hypo	sig	chr17_7179739
chr3	1.33E+08	133399995	+	8.039E-54	4.1037E-51	-0.33782	hypo	sig	chr3_133399995
chr4	1.74E+08	173530179	+	8.041E-54	4.1037E-51	0.258995	hyper	sig	chr4_173530179
chr19	58440516	58440516	+	8.138E-54	4.15031E-51	0.339226	hyper	sig	chr19_58440516
chr6	1.7E+08	170177138	+	8.643E-54	4.40534E-51	-0.33178	hypo	sig	chr6_170177138
chr17	83063614	83063614	+	8.983E-54	4.57571E-51	-0.3055	hypo	sig	chr17_83063614
chr4	1.47E+08	146640703	+	9.384E-54	4.77721E-51	0.357502	hyper	sig	chr4_146640703
chr7	66505151	66505151	+	9.423E-54	4.79391E-51	-0.35323	hypo	sig	chr7_66505151
chr20	21508566	21508566	+	9.651E-54	4.90668E-51	0.357192	hyper	sig	chr20_21508566
chr6	10882821	10882821	+	9.965E-54	5.06347E-51	0.325221	hyper	sig	chr6_10882821
chr1	2.28E+08	228464435	+	9.988E-54	5.07152E-51	0.332562	hyper	sig	chr1_228464435
chr3	1.47E+08	147409805	+	1.016E-53	5.15824E-51	0.32654	hyper	sig	chr3_147409805
chr16	81493738	81493738	+	1.049E-53	5.32178E-51	-0.32498	hypo	sig	chr16_81493738
chr7	1.43E+08	142797251	+	1.075E-53	5.44709E-51	0.253225	hyper	sig	chr7_142797251
chr14	75281549	75281549	+	1.077E-53	5.45528E-51	-0.34444	hypo	sig	chr14_75281549
chr1	90717239	90717239	+	1.082E-53	5.4746E-51	0.327135	hyper	sig	chr1_90717239
chr1	3550640	3550640	+	1.096E-53	5.54559E-51	-0.33112	hypo	sig	chr1_3550640
chr12	1.33E+08	132904934	+	1.104E-53	5.58276E-51	0.319978	hyper	sig	chr12_132904934
chr11	866020	866020	+	1.129E-53	5.704E-51	-0.36485	hypo	sig	chr11_866020
chr10	1.01E+08	101134297	+	1.131E-53	5.71119E-51	0.322853	hyper	sig	chr10_101134297
chr7	1513560	1513560	+	1.137E-53	5.736E-51	-0.37097	hypo	sig	chr7_1513560
chr4	1057230	1057230	+	1.15E-53	5.79951E-51	-0.33645	hypo	sig	chr4_1057230
chr16	89916210	89916210	+	1.152E-53	5.80237E-51	-0.34348	hypo	sig	chr16_89916210
chr3	1.8E+08	180036766	+	1.152E-53	5.80237E-51	0.30483	hyper	sig	chr3_180036766
chr2	628881	628881	+	1.168E-53	5.877E-51	-0.31006	hypo	sig	chr2_628881
chr8	48870514	48870514	+	1.215E-53	6.11268E-51	0.440542	hyper	sig	chr8_48870514
chr10	1173480	1173480	+	1.237E-53	6.21974E-51	-0.38045	hypo	sig	chr10_1173480
chr11	92224494	92224494	+	1.253E-53	6.29668E-51	0.281082	hyper	sig	chr11_92224494
chr6	32761016	32761016	+	1.29E-53	6.4773E-51	-0.36712	hypo	sig	chr6_32761016
chr5	1.75E+08	174732318	+	1.293E-53	6.48898E-51	0.431288	hyper	sig	chr5_174732318
chr11	1114113	1114113	+	1.297E-53	6.50406E-51	-0.29701	hypo	sig	chr11_1114113
chr7	1.43E+08	142796770	+	1.319E-53	6.61192E-51	0.34643	hyper	sig	chr7_142796770
chr8	66432667	66432667	+	1.342E-53	6.72066E-51	0.369065	hyper	sig	chr8_66432667
chr17	64779470	64779470	+	1.412E-53	7.07067E-51	0.3143	hyper	sig	chr17_64779470

chr1	2.21E+08	220884524	+	1.453E-53	7.26851E-51	0.340762	hyper	sig	chr1_220884524
chr22	48549806	48549806	+	1.478E-53	7.39086E-51	-0.34336	hypo	sig	chr22_48549806
chr6	1.5E+08	149965078	+	1.484E-53	7.41714E-51	0.336999	hyper	sig	chr6_149965078
chr1	2.35E+08	234772479	+	1.52E-53	7.58799E-51	-0.31148	hypo	sig	chr1_234772479
chr6	29554006	29554006	+	1.549E-53	7.72774E-51	0.386083	hyper	sig	chr6_29554006
chr4	42152823	42152823	+	1.567E-53	7.81583E-51	0.357428	hyper	sig	chr4_42152823
chr17	17562390	17562390	+	1.579E-53	7.8696E-51	-0.33824	hypo	sig	chr17_17562390
chr5	3602186	3602186	+	1.601E-53	7.9745E-51	0.365202	hyper	sig	chr5_3602186
chr16	89916228	89916228	+	1.635E-53	8.14029E-51	-0.34129	hypo	sig	chr16_89916228
chr5	1.19E+08	119355338	+	1.644E-53	8.18003E-51	-0.32448	hypo	sig	chr5_119355338
chr17	83063596	83063596	+	1.67E-53	8.3015E-51	-0.29833	hypo	sig	chr17_83063596
chr19	36797683	36797683	+	1.684E-53	8.3675E-51	0.340833	hyper	sig	chr19_36797683
chr19	55359104	55359104	+	1.764E-53	8.76226E-51	-0.35578	hypo	sig	chr19_55359104
chr17	81858774	81858774	+	1.77E-53	8.78397E-51	-0.303	hypo	sig	chr17_81858774
chr4	1.11E+08	110628884	+	1.771E-53	8.78604E-51	0.345651	hyper	sig	chr4_110628884
chr2	1.85E+08	184597670	+	1.82E-53	9.01983E-51	0.280855	hyper	sig	chr2_184597670
chr11	1.29E+08	128876370	+	1.852E-53	9.17464E-51	-0.34033	hypo	sig	chr11_128876370
chr7	1.43E+08	142797269	+	1.864E-53	9.22989E-51	0.237921	hyper	sig	chr7_142797269
chr9	91421139	91421139	+	1.888E-53	9.34205E-51	0.300178	hyper	sig	chr9_91421139
chr1	25023071	25023071	+	1.899E-53	9.38838E-51	-0.26813	hypo	sig	chr1_25023071
chr8	24914903	24914903	+	1.931E-53	9.54209E-51	0.313848	hyper	sig	chr8_24914903
chr3	1.88E+08	187670342	+	1.936E-53	9.56134E-51	0.33576	hyper	sig	chr3_187670342
chr10	49609229	49609229	+	1.98E-53	9.77085E-51	0.353843	hyper	sig	chr10_49609229
chr5	1.41E+08	141430866	+	1.989E-53	9.80908E-51	0.342437	hyper	sig	chr5_141430866
chr10	49609262	49609262	+	2.029E-53	1.00038E-50	0.370828	hyper	sig	chr10_49609262
chr6	1.18E+08	117920405	+	2.058E-53	1.0137E-50	0.331433	hyper	sig	chr6_117920405
chr2	1.19E+08	118859218	+	2.061E-53	1.015E-50	0.293154	hyper	sig	chr2_118859218
chr5	3590890	3590890	+	2.067E-53	1.017E-50	0.307644	hyper	sig	chr5_3590890
chr22	19892245	19892245	+	2.102E-53	1.03323E-50	-0.29391	hypo	sig	chr22_19892245
chr5	1.41E+08	141485180	+	2.102E-53	1.03323E-50	0.323756	hyper	sig	chr5_141485180
chr11	1.04E+08	104163499	+	2.173E-53	1.06729E-50	0.27708	hyper	sig	chr11_104163499
chr4	95548515	95548515	+	2.215E-53	1.08723E-50	0.326066	hyper	sig	chr4_95548515
chr13	77918599	77918599	+	2.241E-53	1.09936E-50	0.316074	hyper	sig	chr13_77918599
chr4	1.11E+08	110639914	+	2.315E-53	1.13487E-50	0.38498	hyper	sig	chr4_110639914
chr4	1.33E+08	133151781	+	2.325E-53	1.13941E-50	0.360849	hyper	sig	chr4_133151781
chr1	1.47E+08	147078913	+	2.327E-53	1.13955E-50	0.3301	hyper	sig	chr1_147078913
chr2	74499841	74499841	+	2.355E-53	1.15266E-50	0.31389	hyper	sig	chr2_74499841
chr3	1.47E+08	147411424	+	2.362E-53	1.15547E-50	0.3139	hyper	sig	chr3_147411424
chr17	82493033	82493033	+	2.382E-53	1.16444E-50	-0.43729	hypo	sig	chr17_82493033
chr11	67452533	67452533	+	2.448E-53	1.19579E-50	-0.32907	hypo	sig	chr11_67452533
chr10	1.3E+08	129969841	+	2.497E-53	1.21913E-50	0.272906	hyper	sig	chr10_129969841
chr6	1.67E+08	166870865	+	2.5E-53	1.21975E-50	-0.43909	hypo	sig	chr6_166870865
chr20	64072265	64072265	+	2.56E-53	1.2484E-50	-0.36832	hypo	sig	chr20_64072265
chr14	41608458	41608458	+	2.563E-53	1.24898E-50	0.384979	hyper	sig	chr14_41608458
chr3	10993313	10993313	+	2.606E-53	1.26917E-50	0.315729	hyper	sig	chr3_10993313
chr7	19117681	19117681	+	2.607E-53	1.26921E-50	0.296388	hyper	sig	chr7_19117681
chr18	8366938	8366938	+	2.631E-53	1.27967E-50	-0.32637	hypo	sig	chr18_8366938
chr11	614761	614761	+	2.676E-53	1.3012E-50	-0.34527	hypo	sig	chr11_614761
chr18	37567243	37567243	+	2.684E-53	1.30393E-50	0.308943	hyper	sig	chr18_37567243
chr20	24470830	24470830	+	2.695E-53	1.3084E-50	0.294544	hyper	sig	chr20_24470830
chr4	95548500	95548500	+	2.696E-53	1.3084E-50	0.303775	hyper	sig	chr4_95548500
chr18	79785225	79785225	+	2.742E-53	1.33008E-50	-0.36682	hypo	sig	chr18_79785225
chr9	1.36E+08	135987788	+	2.79E-53	1.35261E-50	-0.36276	hypo	sig	chr9_135987788
chr15	1.01E+08	100880440	+	2.795E-53	1.35377E-50	0.354324	hyper	sig	chr15_100880440
chr6	62286073	62286073	+	2.83E-53	1.37011E-50	0.376318	hyper	sig	chr6_62286073
chr17	81123359	81123359	+	2.98E-53	1.44171E-50	-0.39044	hypo	sig	chr17_81123359

chr1	2.08E+08	207645203	+	2.993E-53	1.44754E-50	0.399371	hyper	sig	chr1_207645203
chr14	69850511	69850511	+	3.012E-53	1.45586E-50	-0.41015	hypo	sig	chr14_69850511
chr8	2035118	2035118	+	3.117E-53	1.50541E-50	-0.37656	hypo	sig	chr8_2035118
chr5	1.41E+08	141421324	+	3.156E-53	1.52353E-50	0.3228	hyper	sig	chr5_141421324
chr5	44389752	44389752	+	3.167E-53	1.52787E-50	0.357181	hyper	sig	chr5_44389752
chr11	67452524	67452524	+	3.272E-53	1.5774E-50	-0.34022	hypo	sig	chr11_67452524
chr1	38578540	38578540	+	3.293E-53	1.58696E-50	0.233092	hyper	sig	chr1_38578540
chr20	21508558	21508558	+	3.31E-53	1.59419E-50	0.365383	hyper	sig	chr20_21508558
chr4	1.33E+08	133151811	+	3.336E-53	1.60536E-50	0.378077	hyper	sig	chr4_133151811
chr5	1.41E+08	141476763	+	3.374E-53	1.62266E-50	0.282597	hyper	sig	chr5_141476763
chr1	50417690	50417690	+	3.391E-53	1.62994E-50	0.265335	hyper	sig	chr1_50417690
chr5	1.71E+08	171308260	+	3.409E-53	1.63786E-50	0.306187	hyper	sig	chr5_171308260
chr22	19892173	19892173	+	3.44E-53	1.65166E-50	-0.29648	hypo	sig	chr22_19892173
chr1	2E+08	200041119	+	3.467E-53	1.66391E-50	0.319821	hyper	sig	chr1_200041119
chr3	49902645	49902645	+	3.489E-53	1.67346E-50	-0.43233	hypo	sig	chr3_49902645
chr4	6693592	6693592	+	3.498E-53	1.67659E-50	-0.34509	hypo	sig	chr4_6693592
chr6	38173779	38173779	+	3.521E-53	1.68649E-50	-0.35657	hypo	sig	chr6_38173779
chr6	84764812	84764812	+	3.553E-53	1.70088E-50	0.27009	hyper	sig	chr6_84764812
chr8	24914928	24914928	+	3.621E-53	1.73221E-50	0.303001	hyper	sig	chr8_24914928
chr5	3590461	3590461	+	3.653E-53	1.74658E-50	0.335286	hyper	sig	chr5_3590461
chr1	6070128	6070128	+	3.824E-53	1.82719E-50	-0.39329	hypo	sig	chr1_6070128
chr14	41608467	41608467	+	3.847E-53	1.83756E-50	0.372162	hyper	sig	chr14_41608467
chr22	19892268	19892268	+	3.877E-53	1.85054E-50	-0.28492	hypo	sig	chr22_19892268
chr5	44388870	44388870	+	3.929E-53	1.87408E-50	0.367486	hyper	sig	chr5_44388870
chr19	57191956	57191956	+	4.028E-53	1.92031E-50	0.207618	hyper	sig	chr19_57191956
chr20	21509565	21509565	+	4.086E-53	1.94672E-50	0.346242	hyper	sig	chr20_21509565
chr19	56393628	56393628	+	4.164E-53	1.9831E-50	0.287142	hyper	sig	chr19_56393628
chr11	526362	526362	+	4.292E-53	2.04242E-50	-0.33981	hypo	sig	chr11_526362
chr17	82342298	82342298	+	4.353E-53	2.07062E-50	-0.29669	hypo	sig	chr17_82342298
chr1	3437869	3437869	+	4.439E-53	2.10992E-50	-0.32503	hypo	sig	chr1_3437869
chr11	4988081	4988081	+	4.455E-53	2.11524E-50	-0.3291	hypo	sig	chr11_4988081
chr22	50485456	50485456	+	4.453E-53	2.11524E-50	-0.32805	hypo	sig	chr22_50485456
chr16	361354	361354	+	4.528E-53	2.14854E-50	-0.35152	hypo	sig	chr16_361354
chr13	27924971	27924971	+	4.591E-53	2.1771E-50	0.450997	hyper	sig	chr13_27924971
chr4	20253720	20253720	+	4.661E-53	2.20942E-50	0.273875	hyper	sig	chr4_20253720
chr6	393239	393239	+	4.693E-53	2.22209E-50	0.300874	hyper	sig	chr6_393239
chr8	24914798	24914798	+	4.694E-53	2.22209E-50	0.306572	hyper	sig	chr8_24914798
chr18	6929774	6929774	+	4.699E-53	2.22343E-50	-0.3912	hypo	sig	chr18_6929774
chr5	54883809	54883809	+	4.713E-53	2.22857E-50	0.299263	hyper	sig	chr5_54883809
chr2	1.3E+08	130139577	+	4.726E-53	2.23361E-50	-0.34953	hypo	sig	chr2_130139577
chr6	50724484	50724484	+	4.75E-53	2.24346E-50	0.292127	hyper	sig	chr6_50724484
chr13	36154870	36154870	+	4.901E-53	2.31358E-50	0.409572	hyper	sig	chr13_36154870
chr11	1075637	1075637	+	4.973E-53	2.34604E-50	-0.48527	hypo	sig	chr11_1075637
chr2	2.39E+08	239275451	+	4.982E-53	2.34885E-50	-0.30212	hypo	sig	chr2_239275451
chr1	8334017	8334017	+	5.012E-53	2.36153E-50	-0.31416	hypo	sig	chr1_8334017
chr4	305015	305015	+	5.081E-53	2.3928E-50	0.363335	hyper	sig	chr4_305015
chr10	1.32E+08	132485069	+	5.108E-53	2.4041E-50	-0.26607	hypo	sig	chr10_132485069
chr4	1.11E+08	110641362	+	5.314E-53	2.49959E-50	0.317632	hyper	sig	chr4_110641362
chr7	5304062	5304062	+	5.414E-53	2.54541E-50	-0.34854	hypo	sig	chr7_5304062
chr13	27924291	27924291	+	5.458E-53	2.56434E-50	0.406098	hyper	sig	chr13_27924291
chr12	81077645	81077645	+	5.491E-53	2.57837E-50	0.331466	hyper	sig	chr12_81077645
chr17	64779068	64779068	+	5.592E-53	2.62427E-50	0.441603	hyper	sig	chr17_64779068
chr13	27926762	27926762	+	5.674E-53	2.66123E-50	0.404289	hyper	sig	chr13_27926762
chr9	970654	970654	+	5.708E-53	2.6758E-50	0.28218	hyper	sig	chr9_970654
chr7	27124304	27124304	+	5.962E-53	2.7931E-50	0.309642	hyper	sig	chr7_27124304
chr5	44389743	44389743	+	6.055E-53	2.83511E-50	0.348766	hyper	sig	chr5_44389743

chr16	88933815	88933815	+	6.118E-53	2.86285E-50	-0.28735	hypo	sig	chr16_88933815
chr16	83935306	83935306	+	6.232E-53	2.91322E-50	-0.37738	hypo	sig	chr16_83935306
chr4	1.72E+08	171813115	+	6.233E-53	2.91322E-50	0.324033	hyper	sig	chr4_171813115
chr7	93890055	93890055	+	6.345E-53	2.96421E-50	0.264018	hyper	sig	chr7_93890055
chr1	16693683	16693683	+	6.531E-53	3.04929E-50	0.216052	hyper	sig	chr1_16693683
chr14	1.04E+08	104181984	+	6.54E-53	3.05176E-50	-0.40375	hypo	sig	chr14_104181984
chr7	27103052	27103052	+	6.573E-53	3.06521E-50	0.344309	hyper	sig	chr7_27103052
chr15	89409095	89409095	+	6.67E-53	3.10889E-50	0.3309	hyper	sig	chr15_89409095
chr5	1.14E+08	114056397	+	6.927E-53	3.22648E-50	0.289132	hyper	sig	chr5_114056397
chr8	54458478	54458478	+	7.104E-53	3.30704E-50	0.282633	hyper	sig	chr8_54458478
chr14	60485440	60485440	+	7.262E-53	3.37863E-50	0.363123	hyper	sig	chr14_60485440
chr13	27924908	27924908	+	7.389E-53	3.43593E-50	0.403408	hyper	sig	chr13_27924908
chr13	37869633	37869633	+	7.407E-53	3.44215E-50	0.299029	hyper	sig	chr13_37869633
chr15	89221621	89221621	+	7.552E-53	3.50759E-50	-0.36118	hypo	sig	chr15_89221621
chr12	43552475	43552475	+	7.661E-53	3.55615E-50	0.363076	hyper	sig	chr12_43552475
chr11	1.33E+08	132994237	+	7.737E-53	3.58934E-50	0.275216	hyper	sig	chr11_132994237
chr8	64587348	64587348	+	7.885E-53	3.6561E-50	0.382465	hyper	sig	chr8_64587348
chr14	85532104	85532104	+	7.94E-53	3.67944E-50	0.325609	hyper	sig	chr14_85532104
chr4	1.76E+08	176066155	+	8.002E-53	3.70625E-50	0.270433	hyper	sig	chr4_176066155
chr22	46085091	46085091	+	8.376E-53	3.87719E-50	-0.37939	hypo	sig	chr22_46085091
chr20	24470866	24470866	+	8.518E-53	3.94074E-50	0.289355	hyper	sig	chr20_24470866
chr16	88415961	88415961	+	8.706E-53	4.02551E-50	-0.4078	hypo	sig	chr16_88415961
chr6	71420944	71420944	+	9.1E-53	4.20498E-50	0.353587	hyper	sig	chr6_71420944
chr20	21509600	21509600	+	9.2E-53	4.24901E-50	0.345118	hyper	sig	chr20_21509600
chr14	36663892	36663892	+	9.212E-53	4.25218E-50	0.264018	hyper	sig	chr14_36663892
chr6	1E+08	100447742	+	9.366E-53	4.32071E-50	0.283832	hyper	sig	chr6_100447742
chr5	1.71E+08	171316560	+	9.378E-53	4.32372E-50	0.314575	hyper	sig	chr5_171316560
chr8	64369643	64369643	+	9.696E-53	4.46789E-50	0.341945	hyper	sig	chr8_64369643
chr2	70790486	70790486	+	1.021E-52	4.70334E-50	0.26188	hyper	sig	chr2_70790486
chr7	19118009	19118009	+	1.036E-52	4.76785E-50	0.306167	hyper	sig	chr7_19118009
chr10	1.01E+08	100830452	+	1.043E-52	4.79687E-50	0.29764	hyper	sig	chr10_100830452
chr2	2.39E+08	239247175	+	1.058E-52	4.86298E-50	-0.39456	hypo	sig	chr2_239247175
chr18	12253834	12253834	+	1.101E-52	5.05671E-50	0.283689	hyper	sig	chr18_12253834
chr16	67165545	67165545	+	1.127E-52	5.17668E-50	0.377241	hyper	sig	chr16_67165545
chr9	1.36E+08	136356284	+	1.133E-52	5.19858E-50	-0.36424	hypo	sig	chr9_136356284
chr6	1.18E+08	117920402	+	1.161E-52	5.32603E-50	0.319176	hyper	sig	chr6_117920402
chr22	19892264	19892264	+	1.164E-52	5.33539E-50	-0.31799	hypo	sig	chr22_19892264
chr6	1E+08	100464196	+	1.186E-52	5.4333E-50	0.287103	hyper	sig	chr6_100464196
chr6	436651	436651	+	1.214E-52	5.55839E-50	-0.33322	hypo	sig	chr6_436651
chr3	21406032	21406032	+	1.274E-52	5.82974E-50	-0.34666	hypo	sig	chr3_21406032
chr5	1.35E+08	135028167	+	1.278E-52	5.8439E-50	0.404221	hyper	sig	chr5_135028167
chr12	1.32E+08	132132770	+	1.299E-52	5.93879E-50	-0.37758	hypo	sig	chr12_132132770
chr2	11105377	11105377	+	1.326E-52	6.06016E-50	-0.30918	hypo	sig	chr2_11105377
chr14	85532095	85532095	+	1.33E-52	6.0713E-50	0.326271	hyper	sig	chr14_85532095
chr4	1005767	1005767	+	1.339E-52	6.11184E-50	-0.32545	hypo	sig	chr4_1005767
chr19	57527402	57527402	+	1.381E-52	6.29796E-50	0.233288	hyper	sig	chr19_57527402
chr8	96159640	96159640	+	1.421E-52	6.47761E-50	0.291897	hyper	sig	chr8_96159640
chr10	1.3E+08	129852414	+	1.464E-52	6.66898E-50	-0.27858	hypo	sig	chr10_129852414
chr19	57191974	57191974	+	1.496E-52	6.81051E-50	0.233373	hyper	sig	chr19_57191974
chr13	27926759	27926759	+	1.52E-52	6.91694E-50	0.395872	hyper	sig	chr13_27926759
chr10	99234137	99234137	+	1.635E-52	7.43229E-50	0.287172	hyper	sig	chr10_99234137
chr4	3766828	3766828	+	1.634E-52	7.43229E-50	0.291038	hyper	sig	chr4_3766828
chr13	1.12E+08	112055222	+	1.652E-52	7.50689E-50	0.345506	hyper	sig	chr13_112055222
chr16	67163283	67163283	+	1.685E-52	7.65149E-50	0.310854	hyper	sig	chr16_67163283
chr16	562020	562020	+	1.714E-52	7.77984E-50	-0.35237	hypo	sig	chr16_562020
chr10	1.32E+08	132245335	+	1.737E-52	7.87889E-50	-0.3321	hypo	sig	chr10_132245335

chr5	1.34E+08	134113892	+	1.787E-52	8.09888E-50	0.285307	hyper	sig	chr5_134113892
chr8	96159662	96159662	+	1.81E-52	8.19894E-50	0.291249	hyper	sig	chr8_96159662
chr2	1.81E+08	181457112	+	1.86E-52	8.42256E-50	0.311581	hyper	sig	chr2_181457112
chr19	1399258	1399258	+	1.862E-52	8.42654E-50	-0.40304	hypo	sig	chr19_1399258
chr5	1.41E+08	141478322	+	1.885E-52	8.52568E-50	0.345074	hyper	sig	chr5_141478322
chr20	21508556	21508556	+	1.913E-52	8.64829E-50	0.357393	hyper	sig	chr20_21508556
chr6	27680651	27680651	+	1.918E-52	8.66411E-50	0.37802	hyper	sig	chr6_27680651
chr4	21304418	21304418	+	1.93E-52	8.71562E-50	0.312385	hyper	sig	chr4_21304418
chr17	80086347	80086347	+	1.936E-52	8.73702E-50	-0.38938	hypo	sig	chr17_80086347
chr17	82457603	82457603	+	1.948E-52	8.7848E-50	-0.31186	hypo	sig	chr17_82457603
chr4	1349931	1349931	+	1.961E-52	8.84086E-50	0.268762	hyper	sig	chr4_1349931
chr10	1.01E+08	101134537	+	1.966E-52	8.85945E-50	0.269392	hyper	sig	chr10_101134537
chr16	67982371	67982371	+	2.041E-52	9.19096E-50	-0.44124	hypo	sig	chr16_67982371
chr18	79785223	79785223	+	2.073E-52	9.32998E-50	-0.36155	hypo	sig	chr18_79785223
chr19	57351259	57351259	+	2.114E-52	9.51016E-50	0.271063	hyper	sig	chr19_57351259
chr7	1.55E+08	155462425	+	2.139E-52	9.61599E-50	0.385747	hyper	sig	chr7_155462425
chr1	75131112	75131112	+	2.21E-52	9.92974E-50	0.273076	hyper	sig	chr1_75131112
chr13	27928401	27928401	+	2.233E-52	1.00283E-49	0.384014	hyper	sig	chr13_27928401
chr3	1.47E+08	147411391	+	2.235E-52	1.0029E-49	0.31925	hyper	sig	chr3_147411391
chr18	79785199	79785199	+	2.236E-52	1.00319E-49	-0.34182	hypo	sig	chr18_79785199
chr5	1.71E+08	171308341	+	2.276E-52	1.02039E-49	0.345311	hyper	sig	chr5_171308341
chr15	77736408	77736408	+	2.284E-52	1.02353E-49	-0.35778	hypo	sig	chr15_77736408
chr4	1.9E+08	190020595	+	2.306E-52	1.03247E-49	0.347735	hyper	sig	chr4_190020595
chr22	24427173	24427173	+	2.358E-52	1.05548E-49	-0.307	hypo	sig	chr22_24427173
chr6	10390686	10390686	+	2.369E-52	1.05988E-49	0.368564	hyper	sig	chr6_10390686
chr11	67665564	67665564	+	2.429E-52	1.08578E-49	-0.35977	hypo	sig	chr11_67665564
chr14	36667066	36667066	+	2.476E-52	1.10653E-49	0.325976	hyper	sig	chr14_36667066
chr1	1.59E+08	159188659	+	2.509E-52	1.12044E-49	0.333067	hyper	sig	chr1_159188659
chr2	2.34E+08	233939102	+	2.534E-52	1.1311E-49	0.388619	hyper	sig	chr2_233939102
chr11	94769224	94769224	+	2.619E-52	1.16853E-49	0.2921	hyper	sig	chr11_94769224
chr8	1.43E+08	143155115	+	2.639E-52	1.17639E-49	-0.30025	hypo	sig	chr8_143155115
chr1	3650737	3650737	+	2.648E-52	1.17933E-49	0.343969	hyper	sig	chr1_3650737
chr11	1114088	1114088	+	2.647E-52	1.17933E-49	-0.30265	hypo	sig	chr11_1114088
chr5	1.41E+08	141485029	+	2.668E-52	1.18761E-49	0.380559	hyper	sig	chr5_141485029
chr6	84764808	84764808	+	2.767E-52	1.23105E-49	0.248757	hyper	sig	chr6_84764808
chr4	3766792	3766792	+	2.814E-52	1.25107E-49	0.298162	hyper	sig	chr4_3766792
chr4	1056094	1056094	+	2.845E-52	1.26418E-49	-0.24522	hypo	sig	chr4_1056094
chr17	48726872	48726872	+	3.009E-52	1.33649E-49	0.289156	hyper	sig	chr17_48726872
chr14	36667078	36667078	+	3.082E-52	1.36807E-49	0.323118	hyper	sig	chr14_36667078
chr2	2.39E+08	239275441	+	3.126E-52	1.38682E-49	-0.30264	hypo	sig	chr2_239275441
chr6	29553373	29553373	+	3.179E-52	1.40953E-49	0.223418	hyper	sig	chr6_29553373
chr2	1.85E+08	184597681	+	3.2E-52	1.41793E-49	0.316616	hyper	sig	chr2_184597681
chr20	24470848	24470848	+	3.231E-52	1.43131E-49	0.275248	hyper	sig	chr20_24470848
chr16	67165560	67165560	+	3.286E-52	1.45487E-49	0.356533	hyper	sig	chr16_67165560
chr1	6276465	6276465	+	3.302E-52	1.46105E-49	0.334658	hyper	sig	chr1_6276465
chr19	1235149	1235149	+	3.412E-52	1.50878E-49	-0.39951	hypo	sig	chr19_1235149
chr2	2.33E+08	233060577	+	3.418E-52	1.51064E-49	-0.3832	hypo	sig	chr2_233060577
chr17	81400693	81400693	+	3.446E-52	1.52231E-49	0.305725	hyper	sig	chr17_81400693
chr8	71844666	71844666	+	3.479E-52	1.53595E-49	0.390057	hyper	sig	chr8_71844666
chr18	79785250	79785250	+	3.488E-52	1.539E-49	-0.3782	hypo	sig	chr18_79785250
chr1	1942311	1942311	+	3.496E-52	1.54164E-49	-0.39066	hypo	sig	chr1_1942311
chr3	49901273	49901273	+	3.567E-52	1.57199E-49	-0.33271	hypo	sig	chr3_49901273
chr4	80265908	80265908	+	3.612E-52	1.59111E-49	0.254646	hyper	sig	chr4_80265908
chr3	1.96E+08	196180271	+	3.645E-52	1.60483E-49	-0.27958	hypo	sig	chr3_196180271
chr12	54029700	54029700	+	3.662E-52	1.61131E-49	0.286379	hyper	sig	chr12_54029700
chr11	94769309	94769309	+	3.683E-52	1.61974E-49	0.233694	hyper	sig	chr11_94769309

chr12	54047378	54047378	+	3.788E-52	1.66528E-49	0.392131	hyper	sig	chr12_54047378
chr2	1.13E+08	113276010	+	3.793E-52	1.66642E-49	0.361	hyper	sig	chr2_113276010
chr5	172852	172852	+	3.868E-52	1.69819E-49	-0.34195	hypo	sig	chr5_172852
chr6	28443522	28443522	+	3.877E-52	1.70141E-49	0.297728	hyper	sig	chr6_28443522
chr1	3743089	3743089	+	3.881E-52	1.70233E-49	-0.33756	hypo	sig	chr1_3743089
chr2	2.42E+08	241852851	+	3.92E-52	1.71865E-49	-0.29034	hypo	sig	chr2_241852851
chr14	85531422	85531422	+	4.321E-52	1.89302E-49	0.425087	hyper	sig	chr14_85531422
chr4	1056123	1056123	+	4.354E-52	1.90648E-49	-0.23089	hypo	sig	chr4_1056123
chr1	47446332	47446332	+	4.36E-52	1.90838E-49	0.345338	hyper	sig	chr1_47446332
chr4	44447726	44447726	+	4.481E-52	1.96024E-49	0.355718	hyper	sig	chr4_44447726
chr11	47337641	47337641	+	4.552E-52	1.99026E-49	-0.36176	hypo	sig	chr11_47337641
chr13	1.12E+08	112132409	+	4.649E-52	2.03139E-49	-0.33768	hypo	sig	chr13_112132409
chr6	393225	393225	+	4.663E-52	2.03631E-49	0.312605	hyper	sig	chr6_393225
chr10	27746790	27746790	+	4.674E-52	2.04001E-49	0.300602	hyper	sig	chr10_27746790
chr13	27924810	27924810	+	4.766E-52	2.07935E-49	0.370528	hyper	sig	chr13_27924810
chr5	2753960	2753960	+	4.798E-52	2.09216E-49	0.357783	hyper	sig	chr5_2753960
chr14	51094082	51094082	+	4.944E-52	2.15465E-49	0.337993	hyper	sig	chr14_51094082
chr5	1.71E+08	171308298	+	4.959E-52	2.1601E-49	0.30274	hyper	sig	chr5_171308298
chr3	1.58E+08	158094952	+	5.114E-52	2.22616E-49	0.38749	hyper	sig	chr3_158094952
chr1	3743111	3743111	+	5.254E-52	2.28615E-49	-0.31777	hypo	sig	chr1_3743111
chr13	1.12E+08	112132413	+	5.474E-52	2.38042E-49	-0.33253	hypo	sig	chr13_112132413
chr4	1.07E+08	107037392	+	5.479E-52	2.38127E-49	0.279441	hyper	sig	chr4_107037392
chr17	82309199	82309199	+	5.501E-52	2.38968E-49	-0.40642	hypo	sig	chr17_82309199
chr17	76948888	76948888	+	5.604E-52	2.43304E-49	-0.35519	hypo	sig	chr17_76948888
chr7	1.58E+08	157684259	+	5.715E-52	2.48005E-49	0.373208	hyper	sig	chr7_157684259
chr14	1.01E+08	101442415	+	5.755E-52	2.49579E-49	-0.37513	hypo	sig	chr14_101442415
chr8	26865346	26865346	+	5.819E-52	2.52248E-49	0.353964	hyper	sig	chr8_26865346
chr15	70475324	70475324	+	5.914E-52	2.56198E-49	-0.33236	hypo	sig	chr15_70475324
chr12	1.32E+08	132423797	+	6.29E-52	2.72336E-49	-0.31856	hypo	sig	chr12_132423797
chr2	1E+08	100426555	+	6.32E-52	2.73496E-49	-0.30702	hypo	sig	chr2_100426555
chr1	2E+08	200038338	+	6.422E-52	2.77789E-49	0.413034	hyper	sig	chr1_200038338
chr3	1.7E+08	169822282	+	6.573E-52	2.84158E-49	-0.5755	hypo	sig	chr3_169822282
chr5	3602193	3602193	+	6.592E-52	2.8483E-49	0.354765	hyper	sig	chr5_3602193
chr13	57631904	57631904	+	6.677E-52	2.88357E-49	0.419332	hyper	sig	chr13_57631904
chr19	53254795	53254795	+	6.688E-52	2.88687E-49	0.41953	hyper	sig	chr19_53254795
chr12	54047456	54047456	+	6.805E-52	2.9358E-49	0.427113	hyper	sig	chr12_54047456
chr3	13041251	13041251	+	6.828E-52	2.94396E-49	-0.36117	hypo	sig	chr3_13041251
chr19	49043559	49043559	+	6.879E-52	2.96456E-49	-0.34152	hypo	sig	chr19_49043559
chr7	27103063	27103063	+	6.906E-52	2.97452E-49	0.337268	hyper	sig	chr7_27103063
chr10	1.32E+08	132487418	+	6.923E-52	2.98004E-49	-0.36977	hypo	sig	chr10_132487418
chr1	2.21E+08	220884518	+	6.951E-52	2.99084E-49	0.311894	hyper	sig	chr1_220884518
chr17	21574474	21574474	+	7.178E-52	3.0866E-49	0.349093	hyper	sig	chr17_21574474
chr17	78140883	78140883	+	7.183E-52	3.08726E-49	-0.36021	hypo	sig	chr17_78140883
chr3	1.47E+08	147409884	+	7.196E-52	3.09099E-49	0.326441	hyper	sig	chr3_147409884
chr14	1.04E+08	104158912	+	7.218E-52	3.0988E-49	-0.3554	hypo	sig	chr14_104158912
chr1	37033875	37033875	+	7.456E-52	3.19962E-49	0.370937	hyper	sig	chr1_37033875
chr10	14602133	14602133	+	7.513E-52	3.22201E-49	-0.34506	hypo	sig	chr10_14602133
chr3	49657545	49657545	+	7.841E-52	3.36125E-49	-0.32385	hypo	sig	chr3_49657545
chr1	3651358	3651358	+	7.972E-52	3.41549E-49	0.300835	hyper	sig	chr1_3651358
chr12	54047445	54047445	+	8.175E-52	3.50035E-49	0.408773	hyper	sig	chr12_54047445
chr3	1.47E+08	147409910	+	8.2E-52	3.50925E-49	0.336346	hyper	sig	chr3_147409910
chr5	2387810	2387810	+	8.378E-52	3.58368E-49	0.267937	hyper	sig	chr5_2387810
chr18	904891	904891	+	8.392E-52	3.58765E-49	0.353141	hyper	sig	chr18_904891
chr10	1203938	1203938	+	8.676E-52	3.70732E-49	-0.33075	hypo	sig	chr10_1203938
chr14	24132362	24132362	+	8.77E-52	3.74559E-49	-0.34365	hypo	sig	chr14_24132362
chr13	93228543	93228543	+	8.786E-52	3.7502E-49	0.387515	hyper	sig	chr13_93228543

chr6	1.5E+08	149965015	+	8.951E-52	3.81852E-49	0.308538	hyper	sig	chr6_149965015
chr13	77919426	77919426	+	9.14E-52	3.89728E-49	0.335051	hyper	sig	chr13_77919426
chr7	1.58E+08	157689523	+	9.163E-52	3.90521E-49	0.376377	hyper	sig	chr7_157689523
chr16	62036397	62036397	+	9.218E-52	3.92646E-49	0.347302	hyper	sig	chr16_62036397
chr10	1.01E+08	100830426	+	9.29E-52	3.95489E-49	0.303454	hyper	sig	chr10_100830426
chr13	53200929	53200929	+	9.312E-52	3.96245E-49	0.335061	hyper	sig	chr13_53200929
chr18	9912837	9912837	+	9.428E-52	4.00965E-49	-0.28234	hypo	sig	chr18_9912837
chr19	57527411	57527411	+	9.493E-52	4.0349E-49	0.218027	hyper	sig	chr19_57527411
chr10	49609223	49609223	+	9.785E-52	4.15684E-49	0.333813	hyper	sig	chr10_49609223
chr4	625651	625651	+	1.043E-51	4.42954E-49	-0.34327	hypo	sig	chr4_625651
chr6	62285994	62285994	+	1.061E-51	4.5045E-49	0.421707	hyper	sig	chr6_62285994
chr10	1.32E+08	132487431	+	1.075E-51	4.55823E-49	-0.3872	hypo	sig	chr10_132487431
chr10	49609234	49609234	+	1.097E-51	4.65066E-49	0.347426	hyper	sig	chr10_49609234
chr13	93228566	93228566	+	1.1E-51	4.6592E-49	0.321527	hyper	sig	chr13_93228566
chr1	47446306	47446306	+	1.132E-51	4.79354E-49	0.328276	hyper	sig	chr1_47446306
chr19	57935464	57935464	+	1.167E-51	4.93866E-49	0.319995	hyper	sig	chr19_57935464
chr13	37869973	37869973	+	1.26E-51	5.33055E-49	0.319685	hyper	sig	chr13_37869973
chr16	88409712	88409712	+	1.263E-51	5.34163E-49	-0.36329	hypo	sig	chr16_88409712
chr7	1.37E+08	136868935	+	1.266E-51	5.35013E-49	0.365181	hyper	sig	chr7_136868935
chr9	1.3E+08	129620714	+	1.299E-51	5.48798E-49	0.418934	hyper	sig	chr9_129620714
chr4	1056060	1056060	+	1.312E-51	5.53883E-49	-0.23365	hypo	sig	chr4_1056060
chr1	1.08E+08	107965928	+	1.357E-51	5.72439E-49	0.304705	hyper	sig	chr1_107965928
chr17	17561928	17561928	+	1.441E-51	6.07767E-49	-0.31479	hypo	sig	chr17_17561928
chr19	3039783	3039783	+	1.443E-51	6.08197E-49	-0.42486	hypo	sig	chr19_3039783
chr17	81123251	81123251	+	1.46E-51	6.15089E-49	-0.32021	hypo	sig	chr17_81123251
chr16	67163277	67163277	+	1.468E-51	6.17984E-49	0.311178	hyper	sig	chr16_67163277
chr17	48621720	48621720	+	1.494E-51	6.28639E-49	-0.34516	hypo	sig	chr17_48621720
chr3	62371269	62371269	+	1.506E-51	6.33318E-49	0.418969	hyper	sig	chr3_62371269
chr17	48621711	48621711	+	1.518E-51	6.38406E-49	-0.34696	hypo	sig	chr17_48621711
chr9	1045659	1045659	+	1.628E-51	6.84178E-49	0.272024	hyper	sig	chr9_1045659
chr8	17026716	17026716	+	1.636E-51	6.87081E-49	0.38579	hyper	sig	chr8_17026716
chr20	64072225	64072225	+	1.647E-51	6.91205E-49	-0.37694	hypo	sig	chr20_64072225
chr1	2E+08	200034211	+	1.664E-51	6.97733E-49	0.369657	hyper	sig	chr1_200034211
chr2	1633284	1633284	+	1.664E-51	6.97733E-49	-0.45377	hypo	sig	chr2_1633284
chr12	1.33E+08	132904942	+	1.695E-51	7.10353E-49	0.299207	hyper	sig	chr12_132904942
chr3	13637761	13637761	+	1.708E-51	7.153E-49	-0.32334	hypo	sig	chr3_13637761
chr1	1007062	1007062	+	1.746E-51	7.31026E-49	-0.29928	hypo	sig	chr1_1007062
chr4	1.76E+08	176065636	+	1.803E-51	7.54627E-49	0.305468	hyper	sig	chr4_176065636
chr1	27351471	27351471	+	1.81E-51	7.57181E-49	0.373177	hyper	sig	chr1_27351471
chr4	1.83E+08	182880795	+	1.877E-51	7.84836E-49	-0.28728	hypo	sig	chr4_182880795
chr9	37026746	37026746	+	1.892E-51	7.90413E-49	0.370537	hyper	sig	chr9_37026746
chr20	24470871	24470871	+	1.939E-51	8.09932E-49	0.286811	hyper	sig	chr20_24470871
chr8	19758222	19758222	+	1.964E-51	8.19688E-49	-0.35788	hypo	sig	chr8_19758222
chr17	83063543	83063543	+	2.019E-51	8.4223E-49	-0.30154	hypo	sig	chr17_83063543
chr1	2496978	2496978	+	2.036E-51	8.48792E-49	-0.3646	hypo	sig	chr1_2496978
chr3	1.47E+08	147388806	+	2.05E-51	8.54413E-49	0.291383	hyper	sig	chr3_147388806
chr3	44022052	44022052	+	2.058E-51	8.57065E-49	0.286009	hyper	sig	chr3_44022052
chr16	88938613	88938613	+	2.077E-51	8.64793E-49	-0.34565	hypo	sig	chr16_88938613
chr1	47446219	47446219	+	2.092E-51	8.7043E-49	0.42049	hyper	sig	chr1_47446219
chr17	48621544	48621544	+	2.105E-51	8.75522E-49	-0.37487	hypo	sig	chr17_48621544
chr11	47337672	47337672	+	2.122E-51	8.81974E-49	-0.33585	hypo	sig	chr11_47337672
chr6	436608	436608	+	2.138E-51	8.8818E-49	-0.36036	hypo	sig	chr6_436608
chr1	47434634	47434634	+	2.143E-51	8.89275E-49	0.286101	hyper	sig	chr1_47434634
chr4	1.74E+08	173530147	+	2.142E-51	8.89275E-49	0.272246	hyper	sig	chr4_173530147
chr1	47446212	47446212	+	2.152E-51	8.92896E-49	0.44111	hyper	sig	chr1_47446212
chr3	27723792	27723792	+	2.175E-51	9.0203E-49	0.394585	hyper	sig	chr3_27723792

chr7	1.43E+08	142797301	+	2.201E-51	9.1206E-49	0.244458	hyper	sig	chr7_142797301
chr10	55628322	55628322	+	2.204E-51	9.12994E-49	0.387728	hyper	sig	chr10_55628322
chr14	24132446	24132446	+	2.274E-51	9.41312E-49	-0.34382	hypo	sig	chr14_24132446
chr1	1.22E+08	121519669	+	2.343E-51	9.69548E-49	0.330943	hyper	sig	chr1_121519669
chr14	85532243	85532243	+	2.468E-51	1.02091E-48	0.346569	hyper	sig	chr14_85532243
chr10	1.33E+08	132803709	+	2.49E-51	1.02912E-48	-0.33294	hypo	sig	chr10_132803709
chr9	1045666	1045666	+	2.54E-51	1.04954E-48	0.284268	hyper	sig	chr9_1045666
chr5	3590754	3590754	+	2.604E-51	1.07537E-48	0.3948	hyper	sig	chr5_3590754
chr1	1.08E+08	107965926	+	2.609E-51	1.07685E-48	0.309911	hyper	sig	chr1_107965926
chr20	25077765	25077765	+	2.657E-51	1.09599E-48	0.395959	hyper	sig	chr20_25077765
chr5	1.41E+08	141476732	+	2.837E-51	1.1699E-48	0.264626	hyper	sig	chr5_141476732
chr13	1.12E+08	112105440	+	2.876E-51	1.18504E-48	0.434932	hyper	sig	chr13_112105440
chr1	8347849	8347849	+	2.968E-51	1.22246E-48	-0.35563	hypo	sig	chr1_8347849
chr20	21508544	21508544	+	3.009E-51	1.23894E-48	0.358618	hyper	sig	chr20_21508544
chr18	37567207	37567207	+	3.038E-51	1.25005E-48	0.29916	hyper	sig	chr18_37567207
chr4	3766890	3766890	+	3.048E-51	1.25371E-48	0.331099	hyper	sig	chr4_3766890
chr16	89916238	89916238	+	3.097E-51	1.273E-48	-0.33	hypo	sig	chr16_89916238
chr16	85643255	85643255	+	3.12E-51	1.28189E-48	-0.36711	hypo	sig	chr16_85643255
chr5	1.41E+08	141485042	+	3.186E-51	1.3083E-48	0.388725	hyper	sig	chr5_141485042
chr16	972399	972399	+	3.264E-51	1.33974E-48	-0.37659	hypo	sig	chr16_972399
chr10	72088991	72088991	+	3.271E-51	1.34174E-48	-0.24572	hypo	sig	chr10_72088991
chr7	97007840	97007840	+	3.289E-51	1.34849E-48	0.344741	hyper	sig	chr7_97007840
chr12	54053783	54053783	+	3.431E-51	1.40597E-48	0.400546	hyper	sig	chr12_54053783
chr1	2E+08	200041703	+	3.482E-51	1.42643E-48	0.486371	hyper	sig	chr1_200041703
chr11	1.21E+08	120562323	+	3.544E-51	1.45082E-48	-0.40511	hypo	sig	chr11_120562323
chr2	29921304	29921304	+	3.714E-51	1.51994E-48	0.406086	hyper	sig	chr2_29921304
chr8	11347324	11347324	+	3.833E-51	1.56753E-48	0.396449	hyper	sig	chr8_11347324
chr6	1.52E+08	151807380	+	3.847E-51	1.5727E-48	0.322064	hyper	sig	chr6_151807380
chr2	2.33E+08	233060569	+	3.859E-51	1.57684E-48	-0.36856	hypo	sig	chr2_233060569
chr1	90717260	90717260	+	4.164E-51	1.70061E-48	0.350136	hyper	sig	chr1_90717260
chr15	1.01E+08	100880431	+	4.224E-51	1.72407E-48	0.371728	hyper	sig	chr15_100880431
chr2	2.39E+08	239275502	+	4.239E-51	1.72941E-48	-0.317	hypo	sig	chr2_239275502
chr14	60485496	60485496	+	4.25E-51	1.73315E-48	0.373048	hyper	sig	chr14_60485496
chr22	39374414	39374414	+	4.255E-51	1.73396E-48	-0.30893	hypo	sig	chr22_39374414
chr7	1.43E+08	142797364	+	4.315E-51	1.75754E-48	0.26417	hyper	sig	chr7_142797364
chr1	1.19E+08	118986067	+	4.395E-51	1.78941E-48	0.369711	hyper	sig	chr1_118986067
chr15	26774101	26774101	+	4.526E-51	1.84197E-48	0.292451	hyper	sig	chr15_26774101
chr10	49609249	49609249	+	4.591E-51	1.86741E-48	0.355261	hyper	sig	chr10_49609249
chr13	37870027	37870027	+	4.643E-51	1.88751E-48	0.315103	hyper	sig	chr13_37870027
chr5	44388847	44388847	+	4.684E-51	1.90326E-48	0.339476	hyper	sig	chr5_44388847
chr7	1.59E+08	159143993	+	4.694E-51	1.90642E-48	0.330197	hyper	sig	chr7_159143993
chr16	3305384	3305384	+	4.953E-51	2.01061E-48	0.220269	hyper	sig	chr16_3305384
chr15	45704473	45704473	+	5.021E-51	2.03732E-48	0.309221	hyper	sig	chr15_45704473
chr4	80267251	80267251	+	5.101E-51	2.06846E-48	0.283469	hyper	sig	chr4_80267251
chr5	1.35E+08	135327175	+	5.18E-51	2.09938E-48	0.279947	hyper	sig	chr5_135327175
chr1	3651427	3651427	+	5.258E-51	2.13007E-48	0.268721	hyper	sig	chr1_3651427
chr4	1.22E+08	121765405	+	5.48E-51	2.21898E-48	0.315362	hyper	sig	chr4_121765405
chr11	67452473	67452473	+	5.491E-51	2.22211E-48	-0.35846	hypo	sig	chr11_67452473
chr9	1.27E+08	126702912	+	5.601E-51	2.26545E-48	-0.3038	hypo	sig	chr9_126702912
chr6	1.01E+08	101399040	+	5.623E-51	2.2735E-48	0.297631	hyper	sig	chr6_101399040
chr5	1.19E+08	119355431	+	5.636E-51	2.27741E-48	-0.36268	hypo	sig	chr5_119355431
chr8	54458488	54458488	+	5.705E-51	2.30425E-48	0.287782	hyper	sig	chr8_54458488
chr17	79787334	79787334	+	5.78E-51	2.3335E-48	-0.33787	hypo	sig	chr17_79787334
chr3	1.47E+08	147409859	+	5.803E-51	2.34168E-48	0.30026	hyper	sig	chr3_147409859
chr11	526384	526384	+	5.81E-51	2.34311E-48	-0.32345	hypo	sig	chr11_526384
chr3	1.47E+08	147409794	+	5.813E-51	2.34311E-48	0.331914	hyper	sig	chr3_147409794

chr14	24132343	24132343	+	6.074E-51	2.44737E-48	-0.33822	hypo	sig	chr14_24132343
chr18	905006	905006	+	6.096E-51	2.45478E-48	0.379787	hyper	sig	chr18_905006
chr7	1238131	1238131	+	6.266E-51	2.52218E-48	0.323616	hyper	sig	chr7_1238131
chr6	393266	393266	+	6.344E-51	2.55208E-48	0.325025	hyper	sig	chr6_393266
chr5	1.43E+08	143405703	+	6.353E-51	2.5544E-48	0.323802	hyper	sig	chr5_143405703
chr20	8132930	8132930	+	6.367E-51	2.55883E-48	0.337333	hyper	sig	chr20_8132930
chr20	64053165	64053165	+	6.465E-51	2.59698E-48	-0.39282	hypo	sig	chr20_64053165
chr1	6273742	6273742	+	6.522E-51	2.61845E-48	-0.32194	hypo	sig	chr1_6273742
chr10	1.01E+08	101134299	+	6.708E-51	2.69202E-48	0.323068	hyper	sig	chr10_101134299
chr11	44311103	44311103	+	6.876E-51	2.75694E-48	0.292397	hyper	sig	chr11_44311103
chr8	17026782	17026782	+	6.877E-51	2.75694E-48	0.429453	hyper	sig	chr8_17026782
chr14	1.04E+08	104304607	+	6.994E-51	2.80268E-48	-0.2888	hypo	sig	chr14_104304607
chr1	3068023	3068023	+	7.066E-51	2.83012E-48	0.302984	hyper	sig	chr1_3068023
chr18	78981155	78981155	+	7.201E-51	2.88273E-48	0.346048	hyper	sig	chr18_78981155
chr14	47675111	47675111	+	7.374E-51	2.95058E-48	0.387978	hyper	sig	chr14_47675111
chr18	37567218	37567218	+	7.39E-51	2.95525E-48	0.300961	hyper	sig	chr18_37567218
chr7	5303174	5303174	+	7.446E-51	2.9762E-48	-0.36659	hypo	sig	chr7_5303174
chr1	1926667	1926667	+	7.526E-51	3.00666E-48	-0.43557	hypo	sig	chr1_1926667
chr17	78140937	78140937	+	7.732E-51	3.08782E-48	-0.405	hypo	sig	chr17_78140937
chr19	58059051	58059051	+	7.886E-51	3.14766E-48	0.385184	hyper	sig	chr19_58059051
chr14	28774247	28774247	+	7.892E-51	3.1483E-48	0.307917	hyper	sig	chr14_28774247
chr1	3275114	3275114	+	8.005E-51	3.19192E-48	-0.32445	hypo	sig	chr1_3275114
chr6	393248	393248	+	8.081E-51	3.22081E-48	0.312679	hyper	sig	chr6_393248
chr2	2.37E+08	236568198	+	8.223E-51	3.27577E-48	0.263871	hyper	sig	chr2_236568198
chr10	3539041	3539041	+	8.255E-51	3.28659E-48	-0.3309	hypo	sig	chr10_3539041
chr5	1.71E+08	171316568	+	8.259E-51	3.2866E-48	0.322607	hyper	sig	chr5_171316568
chr6	1.08E+08	108171130	+	8.27E-51	3.28963E-48	0.430497	hyper	sig	chr6_108171130
chr8	22148038	22148038	+	8.348E-51	3.31882E-48	-0.29422	hypo	sig	chr8_22148038
chr16	67165539	67165539	+	8.378E-51	3.32915E-48	0.384368	hyper	sig	chr16_67165539
chr10	1.01E+08	101134316	+	8.618E-51	3.42307E-48	0.325786	hyper	sig	chr10_101134316
chr1	75131279	75131279	+	8.853E-51	3.51464E-48	0.324849	hyper	sig	chr1_75131279
chr7	1.51E+08	151403985	+	8.877E-51	3.52243E-48	-0.35914	hypo	sig	chr7_151403985
chr8	96159653	96159653	+	8.897E-51	3.5285E-48	0.2991	hyper	sig	chr8_96159653
chr3	1.72E+08	172449748	+	8.92E-51	3.536E-48	0.298969	hyper	sig	chr3_172449748
chr14	28778417	28778417	+	9.087E-51	3.60025E-48	0.326619	hyper	sig	chr14_28778417
chr10	1.3E+08	129852474	+	9.22E-51	3.64941E-48	-0.32902	hypo	sig	chr10_129852474
chr10	1.32E+08	132487327	+	9.215E-51	3.64941E-48	-0.32425	hypo	sig	chr10_132487327
chr14	24132449	24132449	+	9.288E-51	3.67273E-48	-0.33354	hypo	sig	chr14_24132449
chr5	1.47E+08	147480209	+	9.285E-51	3.67273E-48	-0.45109	hypo	sig	chr5_147480209
chr1	31772312	31772312	+	9.308E-51	3.67876E-48	0.275076	hyper	sig	chr1_31772312
chr1	1.19E+08	118989470	+	9.388E-51	3.70873E-48	0.306111	hyper	sig	chr1_118989470
chr4	1.33E+08	133149269	+	9.412E-51	3.71637E-48	0.345163	hyper	sig	chr4_133149269
chr4	1.47E+08	146639015	+	9.426E-51	3.72009E-48	0.36261	hyper	sig	chr4_146639015
chr1	2.28E+08	228464808	+	9.659E-51	3.81039E-48	0.300728	hyper	sig	chr1_228464808
chr1	3292983	3292983	+	1E-50	3.9441E-48	-0.35222	hypo	sig	chr1_3292983
chr10	1.01E+08	101134651	+	1.009E-50	3.97558E-48	0.249345	hyper	sig	chr10_101134651
chr2	63055597	63055597	+	1.026E-50	4.04156E-48	0.261749	hyper	sig	chr2_63055597
chr4	1.47E+08	146640623	+	1.042E-50	4.10436E-48	0.32085	hyper	sig	chr4_146640623
chr2	2.39E+08	239247150	+	1.046E-50	4.11536E-48	-0.38556	hypo	sig	chr2_239247150
chr1	2.35E+08	234723228	+	1.053E-50	4.14215E-48	-0.37606	hypo	sig	chr1_234723228
chr19	57527430	57527430	+	1.077E-50	4.23331E-48	0.221605	hyper	sig	chr19_57527430
chr19	58440528	58440528	+	1.099E-50	4.31736E-48	0.341153	hyper	sig	chr19_58440528
chr16	62036256	62036256	+	1.109E-50	4.35514E-48	0.34078	hyper	sig	chr16_62036256
chr20	24470845	24470845	+	1.133E-50	4.44603E-48	0.286239	hyper	sig	chr20_24470845
chr13	27924297	27924297	+	1.141E-50	4.47558E-48	0.389562	hyper	sig	chr13_27924297
chr4	1.07E+08	107035955	+	1.145E-50	4.49056E-48	0.416659	hyper	sig	chr4_107035955

chr12	1.14E+08	114408542	+	1.156E-50	4.53079E-48	0.319675	hyper	sig	chr12_114408542
chr17	81941421	81941421	+	1.161E-50	4.54905E-48	-0.39291	hypo	sig	chr17_81941421
chr8	1.42E+08	142119831	+	1.173E-50	4.5948E-48	-0.39346	hypo	sig	chr8_142119831
chr17	82493027	82493027	+	1.191E-50	4.66206E-48	-0.43869	hypo	sig	chr17_82493027
chr6	1.68E+08	167678464	+	1.198E-50	4.6886E-48	0.333022	hyper	sig	chr6_167678464
chr5	1.71E+08	171308379	+	1.215E-50	4.75257E-48	0.388595	hyper	sig	chr5_171308379
chr1	1.19E+08	118989610	+	1.22E-50	4.76818E-48	0.310775	hyper	sig	chr1_118989610
chr10	1.01E+08	101134329	+	1.237E-50	4.83411E-48	0.293129	hyper	sig	chr10_101134329
chr3	1.47E+08	147411397	+	1.248E-50	4.87302E-48	0.310052	hyper	sig	chr3_147411397
chr13	98444096	98444096	+	1.271E-50	4.95885E-48	-0.41432	hypo	sig	chr13_98444096
chr15	28832470	28832470	+	1.317E-50	5.13616E-48	0.362377	hyper	sig	chr15_28832470
chr7	1.55E+08	155372794	+	1.318E-50	5.14102E-48	0.318107	hyper	sig	chr7_155372794
chr1	27351547	27351547	+	1.33E-50	5.18479E-48	0.327942	hyper	sig	chr1_27351547
chr16	62036262	62036262	+	1.336E-50	5.203E-48	0.3377	hyper	sig	chr16_62036262
chr14	88326961	88326961	+	1.336E-50	5.20338E-48	0.325088	hyper	sig	chr14_88326961
chr4	1.33E+08	133151733	+	1.344E-50	5.22897E-48	0.370921	hyper	sig	chr4_133151733
chr17	78140873	78140873	+	1.345E-50	5.23103E-48	-0.34838	hypo	sig	chr17_78140873
chr1	1.58E+08	158181557	+	1.349E-50	5.24396E-48	0.34163	hyper	sig	chr1_158181557
chr1	1.14E+08	114154459	+	1.354E-50	5.26177E-48	0.240797	hyper	sig	chr1_114154459
chr2	1.13E+08	113275877	+	1.399E-50	5.43499E-48	0.347841	hyper	sig	chr2_113275877
chr6	10425310	10425310	+	1.454E-50	5.64684E-48	0.300637	hyper	sig	chr6_10425310
chr16	51156234	51156234	+	1.487E-50	5.77143E-48	0.375598	hyper	sig	chr16_51156234
chr7	533531	533531	+	1.49E-50	5.77954E-48	-0.34174	hypo	sig	chr7_533531
chr5	1.41E+08	141430928	+	1.547E-50	5.99619E-48	0.331917	hyper	sig	chr5_141430928
chr5	1.71E+08	171316535	+	1.559E-50	6.04279E-48	0.314671	hyper	sig	chr5_171316535
chr7	1.01E+08	100865762	+	1.563E-50	6.05407E-48	-0.443	hypo	sig	chr7_100865762
chr12	54029784	54029784	+	1.564E-50	6.05422E-48	0.320482	hyper	sig	chr12_54029784
chr6	28443515	28443515	+	1.578E-50	6.10616E-48	0.306552	hyper	sig	chr6_28443515
chr1	1.19E+08	118987457	+	1.599E-50	6.18344E-48	0.328225	hyper	sig	chr1_118987457
chr19	57527437	57527437	+	1.6E-50	6.18672E-48	0.228637	hyper	sig	chr19_57527437
chr15	55588787	55588787	+	1.602E-50	6.19027E-48	0.28691	hyper	sig	chr15_55588787
chr1	6088989	6088989	+	1.612E-50	6.22562E-48	-0.35047	hypo	sig	chr1_6088989
chr7	27124302	27124302	+	1.641E-50	6.3352E-48	0.29603	hyper	sig	chr7_27124302
chr16	62036186	62036186	+	1.642E-50	6.33744E-48	0.319285	hyper	sig	chr16_62036186
chr17	83048743	83048743	+	1.65E-50	6.36281E-48	-0.34686	hypo	sig	chr17_83048743
chr13	87674583	87674583	+	1.653E-50	6.37198E-48	0.380134	hyper	sig	chr13_87674583
chr8	48870516	48870516	+	1.719E-50	6.62139E-48	0.428662	hyper	sig	chr8_48870516
chr20	21509630	21509630	+	1.721E-50	6.6283E-48	0.326819	hyper	sig	chr20_21509630
chr11	45907271	45907271	+	1.812E-50	6.97346E-48	-0.30811	hypo	sig	chr11_45907271
chr7	54542331	54542331	+	1.852E-50	7.12686E-48	0.369912	hyper	sig	chr7_54542331
chr1	14599485	14599485	+	1.864E-50	7.16562E-48	0.295409	hyper	sig	chr1_14599485
chr16	912857	912857	+	1.864E-50	7.16562E-48	0.315482	hyper	sig	chr16_912857
chr6	1.68E+08	167678539	+	1.868E-50	7.17848E-48	0.335863	hyper	sig	chr6_167678539
chr20	21517731	21517731	+	1.902E-50	7.30549E-48	0.349294	hyper	sig	chr20_21517731
chr13	37869957	37869957	+	1.918E-50	7.36044E-48	0.335371	hyper	sig	chr13_37869957
chr1	6089457	6089457	+	1.939E-50	7.43862E-48	-0.32597	hypo	sig	chr1_6089457
chr15	55588825	55588825	+	1.96E-50	7.51453E-48	0.320374	hyper	sig	chr15_55588825
chr1	31772285	31772285	+	1.982E-50	7.59545E-48	0.301256	hyper	sig	chr1_31772285
chr5	6349462	6349462	+	2.016E-50	7.7234E-48	-0.36276	hypo	sig	chr5_6349462
chr18	79785044	79785044	+	2.044E-50	7.82759E-48	-0.35844	hypo	sig	chr18_79785044
chr3	1.47E+08	147392651	+	2.049E-50	7.84218E-48	0.297517	hyper	sig	chr3_147392651
chr5	63959489	63959489	+	2.054E-50	7.85729E-48	0.321881	hyper	sig	chr5_63959489
chr3	6862591	6862591	+	2.064E-50	7.89255E-48	0.367323	hyper	sig	chr3_6862591
chr19	44448430	44448430	+	2.107E-50	8.052E-48	0.328732	hyper	sig	chr19_44448430
chr6	1.67E+08	167179087	+	2.126E-50	8.12115E-48	-0.36381	hypo	sig	chr6_167179087
chr22	16962729	16962729	+	2.145E-50	8.18931E-48	-0.32486	hypo	sig	chr22_16962729

chr4	42152835	42152835	+	2.155E-50	8.22381E-48	0.350039	hyper	sig	chr4_42152835
chr16	62036210	62036210	+	2.201E-50	8.39717E-48	0.329915	hyper	sig	chr16_62036210
chr16	88404379	88404379	+	2.209E-50	8.42267E-48	-0.27879	hypo	sig	chr16_88404379
chr16	67163310	67163310	+	2.302E-50	8.7741E-48	0.325664	hyper	sig	chr16_67163310
chr5	1.41E+08	141476944	+	2.314E-50	8.81464E-48	0.272736	hyper	sig	chr5_141476944
chr6	71420964	71420964	+	2.387E-50	9.09059E-48	0.291887	hyper	sig	chr6_71420964
chr1	2.36E+08	236155212	+	2.394E-50	9.11016E-48	-0.26208	hypo	sig	chr1_236155212
chr1	2.28E+08	228464810	+	2.409E-50	9.16281E-48	0.301542	hyper	sig	chr1_228464810
chr1	1.19E+08	118986015	+	2.437E-50	9.26692E-48	0.364058	hyper	sig	chr1_118986015
chr12	1.14E+08	114405459	+	2.45E-50	9.31289E-48	0.300815	hyper	sig	chr12_114405459
chr10	7408435	7408435	+	2.487E-50	9.44744E-48	0.279292	hyper	sig	chr10_7408435
chr5	1.71E+08	171316969	+	2.508E-50	9.52335E-48	0.354126	hyper	sig	chr5_171316969
chr17	48620360	48620360	+	2.616E-50	9.9273E-48	-0.36691	hypo	sig	chr17_48620360
chr12	4909919	4909919	+	2.652E-50	1.00608E-47	0.322265	hyper	sig	chr12_4909919
chr13	25171718	25171718	+	2.697E-50	1.02248E-47	0.389604	hyper	sig	chr13_25171718
chr13	78597015	78597015	+	2.736E-50	1.0368E-47	0.352229	hyper	sig	chr13_78597015
chr11	614787	614787	+	2.801E-50	1.06122E-47	-0.35876	hypo	sig	chr11_614787
chr1	2.28E+08	228464806	+	2.804E-50	1.06187E-47	0.296047	hyper	sig	chr1_228464806
chr19	58059189	58059189	+	2.825E-50	1.06905E-47	0.435028	hyper	sig	chr19_58059189
chr4	1.54E+08	153758286	+	2.866E-50	1.08427E-47	-0.3612	hypo	sig	chr4_153758286
chr6	1.68E+08	167739995	+	2.878E-50	1.08831E-47	-0.32638	hypo	sig	chr6_167739995
chr7	23709978	23709978	+	2.917E-50	1.10252E-47	-0.41631	hypo	sig	chr7_23709978
chr18	79644907	79644907	+	2.933E-50	1.10787E-47	-0.3695	hypo	sig	chr18_79644907
chr7	2572505	2572505	+	3.046E-50	1.15015E-47	-0.36685	hypo	sig	chr7_2572505
chr18	904884	904884	+	3.058E-50	1.1542E-47	0.383735	hyper	sig	chr18_904884
chr22	46085098	46085098	+	3.106E-50	1.17172E-47	-0.37792	hypo	sig	chr22_46085098
chr12	81077674	81077674	+	3.111E-50	1.17304E-47	0.338108	hyper	sig	chr12_81077674
chr5	1.34E+08	134113878	+	3.146E-50	1.18574E-47	0.28159	hyper	sig	chr5_134113878
chr17	83063585	83063585	+	3.162E-50	1.19131E-47	-0.2916	hypo	sig	chr17_83063585
chr1	14599370	14599370	+	3.199E-50	1.20446E-47	0.324955	hyper	sig	chr1_14599370
chr6	1.01E+08	101399428	+	3.204E-50	1.20602E-47	0.327418	hyper	sig	chr6_101399428
chr1	1.81E+08	180923487	+	3.223E-50	1.2125E-47	-0.31145	hypo	sig	chr1_180923487
chr17	45897474	45897474	+	3.255E-50	1.22393E-47	0.369371	hyper	sig	chr17_45897474
chr7	1.51E+08	151396021	+	3.274E-50	1.23046E-47	-0.35656	hypo	sig	chr7_151396021
chr1	6093035	6093035	+	3.33E-50	1.2511E-47	-0.31617	hypo	sig	chr1_6093035
chr8	48870522	48870522	+	3.429E-50	1.2875E-47	0.434729	hyper	sig	chr8_48870522
chr4	1.07E+08	107035936	+	3.434E-50	1.28895E-47	0.381104	hyper	sig	chr4_107035936
chr2	74499910	74499910	+	3.437E-50	1.2892E-47	0.31929	hyper	sig	chr2_74499910
chr3	1.7E+08	169822323	+	3.464E-50	1.29893E-47	-0.51627	hypo	sig	chr3_169822323
chr6	1.5E+08	149965030	+	3.475E-50	1.30225E-47	0.354001	hyper	sig	chr6_149965030
chr6	62286722	62286722	+	3.489E-50	1.30723E-47	0.427056	hyper	sig	chr6_62286722
chr1	2.35E+08	234772525	+	3.521E-50	1.31844E-47	-0.2742	hypo	sig	chr1_234772525
chr18	47248601	47248601	+	3.55E-50	1.32887E-47	0.326531	hyper	sig	chr18_47248601
chr5	1.35E+08	135327251	+	3.68E-50	1.37674E-47	0.281414	hyper	sig	chr5_135327251
chr17	81400915	81400915	+	3.717E-50	1.38973E-47	0.394427	hyper	sig	chr17_81400915
chr18	37567249	37567249	+	3.741E-50	1.39813E-47	0.304505	hyper	sig	chr18_37567249
chr20	46815050	46815050	+	3.794E-50	1.41724E-47	-0.26147	hypo	sig	chr20_46815050
chr8	84182507	84182507	+	3.829E-50	1.42968E-47	0.289483	hyper	sig	chr8_84182507
chr4	1.72E+08	171813128	+	3.85E-50	1.43717E-47	0.28309	hyper	sig	chr4_171813128
chr11	67665540	67665540	+	3.906E-50	1.45718E-47	-0.35621	hypo	sig	chr11_67665540
chr6	1.52E+08	151807400	+	3.962E-50	1.47733E-47	0.329573	hyper	sig	chr6_151807400
chr11	1888426	1888426	+	3.998E-50	1.4902E-47	-0.40606	hypo	sig	chr11_1888426
chr6	7468604	7468604	+	4.003E-50	1.49137E-47	-0.45393	hypo	sig	chr6_7468604
chr6	1.5E+08	149965087	+	4.022E-50	1.4979E-47	0.346742	hyper	sig	chr6_149965087
chr10	79242717	79242717	+	4.092E-50	1.52327E-47	0.44684	hyper	sig	chr10_79242717
chr2	2.33E+08	233060590	+	4.123E-50	1.53402E-47	-0.38343	hypo	sig	chr2_233060590

chr13	1.13E+08	112995366	+	4.133E-50	1.53694E-47	-0.42762	hypo	sig	chr13_112995366
chr11	31826941	31826941	+	4.137E-50	1.53777E-47	0.404991	hyper	sig	chr11_31826941
chr5	1.41E+08	141485052	+	4.166E-50	1.54787E-47	0.375234	hyper	sig	chr5_141485052
chr8	1.31E+08	131040629	+	4.177E-50	1.55134E-47	0.281501	hyper	sig	chr8_131040629
chr3	1.7E+08	169822284	+	4.204E-50	1.5605E-47	-0.56231	hypo	sig	chr3_169822284
chr7	1.55E+08	155372805	+	4.224E-50	1.5671E-47	0.312755	hyper	sig	chr7_155372805
chr1	1.59E+08	159188649	+	4.349E-50	1.61294E-47	0.331685	hyper	sig	chr1_159188649
chr3	1.7E+08	169822700	+	4.389E-50	1.62696E-47	-0.43399	hypo	sig	chr3_169822700
chr2	74499406	74499406	+	4.398E-50	1.62956E-47	0.235779	hyper	sig	chr2_74499406
chr4	30723180	30723180	+	4.414E-50	1.63479E-47	0.358635	hyper	sig	chr4_30723180
chr16	67165555	67165555	+	4.422E-50	1.63676E-47	0.318336	hyper	sig	chr16_67165555
chr7	19118027	19118027	+	4.424E-50	1.63676E-47	0.305581	hyper	sig	chr7_19118027
chr7	64877599	64877599	+	4.447E-50	1.64461E-47	0.385876	hyper	sig	chr7_64877599
chr10	1.3E+08	129969805	+	4.472E-50	1.65313E-47	0.2445	hyper	sig	chr10_129969805
chr19	56393608	56393608	+	4.488E-50	1.65851E-47	0.212595	hyper	sig	chr19_56393608
chr6	1.08E+08	108174460	+	4.51E-50	1.66586E-47	0.310462	hyper	sig	chr6_108174460
chr7	85185887	85185887	+	4.562E-50	1.68399E-47	0.264582	hyper	sig	chr7_85185887
chr16	88205339	88205339	+	4.665E-50	1.72126E-47	-0.32685	hypo	sig	chr16_88205339
chr19	55359073	55359073	+	4.718E-50	1.7398E-47	-0.3455	hypo	sig	chr19_55359073
chr8	98949554	98949554	+	4.719E-50	1.7398E-47	0.318891	hyper	sig	chr8_98949554
chr5	1.35E+08	135027782	+	4.759E-50	1.75376E-47	0.34558	hyper	sig	chr5_135027782
chr16	88938469	88938469	+	4.768E-50	1.75614E-47	-0.42698	hypo	sig	chr16_88938469
chr12	4909347	4909347	+	4.809E-50	1.77063E-47	0.412188	hyper	sig	chr12_4909347
chr17	82492994	82492994	+	4.818E-50	1.77298E-47	-0.44555	hypo	sig	chr17_82492994
chr2	1633256	1633256	+	4.835E-50	1.77862E-47	-0.5014	hypo	sig	chr2_1633256
chr4	1057208	1057208	+	4.895E-50	1.79972E-47	-0.35352	hypo	sig	chr4_1057208
chr16	62036223	62036223	+	4.942E-50	1.81619E-47	0.324749	hyper	sig	chr16_62036223
chr6	1.33E+08	133242230	+	4.981E-50	1.82965E-47	0.343726	hyper	sig	chr6_133242230
chr19	49133301	49133301	+	5.05E-50	1.85435E-47	0.355044	hyper	sig	chr19_49133301
chr7	54544632	54544632	+	5.085E-50	1.86629E-47	0.382262	hyper	sig	chr7_54544632
chr11	47337475	47337475	+	5.092E-50	1.86803E-47	-0.39057	hypo	sig	chr11_47337475
chr1	31772292	31772292	+	5.123E-50	1.8783E-47	0.298776	hyper	sig	chr1_31772292
chr4	4858271	4858271	+	5.162E-50	1.89182E-47	0.357141	hyper	sig	chr4_4858271
chr19	36973631	36973631	+	5.183E-50	1.8986E-47	0.347845	hyper	sig	chr19_36973631
chr1	3356176	3356176	+	5.238E-50	1.91819E-47	-0.29634	hypo	sig	chr1_3356176
chr4	1.33E+08	133151798	+	5.253E-50	1.92258E-47	0.354828	hyper	sig	chr4_133151798
chr2	1.82E+08	181684001	+	5.256E-50	1.92289E-47	0.314481	hyper	sig	chr2_181684001
chr19	57583838	57583838	+	5.319E-50	1.94504E-47	0.423817	hyper	sig	chr19_57583838
chr7	54544659	54544659	+	5.342E-50	1.95246E-47	0.376224	hyper	sig	chr7_54544659
chr4	8191688	8191688	+	5.422E-50	1.98084E-47	-0.42501	hypo	sig	chr4_8191688
chr19	36916158	36916158	+	5.565E-50	2.03224E-47	0.239925	hyper	sig	chr19_36916158
chr14	41608539	41608539	+	5.668E-50	2.06899E-47	0.399551	hyper	sig	chr14_41608539
chr2	2.39E+08	239247166	+	5.702E-50	2.08039E-47	-0.38752	hypo	sig	chr2_239247166
chr13	27928407	27928407	+	5.758E-50	2.09987E-47	0.372103	hyper	sig	chr13_27928407
chr18	32139968	32139968	+	5.94E-50	2.16524E-47	-0.47438	hypo	sig	chr18_32139968
chr13	1.12E+08	112105436	+	6.029E-50	2.19668E-47	0.412055	hyper	sig	chr13_112105436
chr7	5304065	5304065	+	6.115E-50	2.22722E-47	-0.35113	hypo	sig	chr7_5304065
chr16	1436541	1436541	+	6.12E-50	2.22773E-47	-0.43627	hypo	sig	chr16_1436541
chr16	85624659	85624659	+	6.15E-50	2.23768E-47	-0.29935	hypo	sig	chr16_85624659
chr15	83283801	83283801	+	6.246E-50	2.27165E-47	0.343607	hyper	sig	chr15_83283801
chr13	1.1E+08	110311799	+	6.356E-50	2.31071E-47	-0.30877	hypo	sig	chr13_110311799
chr1	2E+08	200034220	+	6.494E-50	2.35968E-47	0.363272	hyper	sig	chr1_200034220
chr11	1.23E+08	122979790	+	6.5E-50	2.36096E-47	0.334837	hyper	sig	chr11_122979790
chr1	1.58E+08	158181585	+	6.529E-50	2.37039E-47	0.349959	hyper	sig	chr1_158181585
chr3	1.28E+08	128483347	+	6.616E-50	2.40102E-47	0.390095	hyper	sig	chr3_128483347
chr4	41748380	41748380	+	6.748E-50	2.44791E-47	0.330087	hyper	sig	chr4_41748380

chr3	44022094	44022094	+	6.757E-50	2.44978E-47	0.296791	hyper	sig	chr3_44022094
chr5	1.75E+08	174731973	+	6.788E-50	2.4599E-47	0.341395	hyper	sig	chr5_174731973
chr3	44022067	44022067	+	6.864E-50	2.48653E-47	0.272777	hyper	sig	chr3_44022067
chr4	1.64E+08	164383291	+	6.928E-50	2.50838E-47	0.345555	hyper	sig	chr4_164383291
chr7	5304113	5304113	+	7.045E-50	2.54996E-47	-0.35588	hypo	sig	chr7_5304113
chr16	89342040	89342040	+	7.068E-50	2.55701E-47	0.507778	hyper	sig	chr16_89342040
chr10	1.16E+08	116272578	+	7.078E-50	2.55936E-47	0.304971	hyper	sig	chr10_116272578
chr2	1.87E+08	186849194	+	7.213E-50	2.60704E-47	0.287291	hyper	sig	chr2_186849194
chr5	1.41E+08	141476760	+	7.264E-50	2.62441E-47	0.282113	hyper	sig	chr5_141476760
chr4	1.33E+08	133151725	+	7.423E-50	2.68069E-47	0.376036	hyper	sig	chr4_133151725
chr1	38578549	38578549	+	7.437E-50	2.68431E-47	0.223905	hyper	sig	chr1_38578549
chr10	49609181	49609181	+	7.525E-50	2.71489E-47	0.306746	hyper	sig	chr10_49609181
chr2	70790436	70790436	+	7.542E-50	2.72004E-47	0.30765	hyper	sig	chr2_70790436
chr8	1.42E+08	142004395	+	7.622E-50	2.74752E-47	-0.34646	hypo	sig	chr8_142004395
chr5	1.43E+08	143405693	+	7.677E-50	2.76618E-47	0.32063	hyper	sig	chr5_143405693
chr16	51151588	51151588	+	7.832E-50	2.82061E-47	0.340301	hyper	sig	chr16_51151588
chr3	1.7E+08	169822542	+	7.991E-50	2.87683E-47	-0.41699	hypo	sig	chr3_169822542
chr1	27351451	27351451	+	8.477E-50	3.05035E-47	0.384766	hyper	sig	chr1_27351451
chr6	50851013	50851013	+	8.589E-50	3.08916E-47	0.329502	hyper	sig	chr6_50851013
chr10	22345289	22345289	+	8.679E-50	3.12015E-47	0.31201	hyper	sig	chr10_22345289
chr8	24914747	24914747	+	8.705E-50	3.12825E-47	0.316813	hyper	sig	chr8_24914747
chr16	81493715	81493715	+	8.732E-50	3.13654E-47	-0.32997	hypo	sig	chr16_81493715
chr16	1002589	1002589	+	8.736E-50	3.13679E-47	-0.40257	hypo	sig	chr16_1002589
chr2	2.31E+08	231401299	+	8.78E-50	3.15118E-47	0.270962	hyper	sig	chr2_231401299
chr13	23901694	23901694	+	8.796E-50	3.15535E-47	-0.40324	hypo	sig	chr13_23901694
chr2	1.19E+08	119432655	+	8.88E-50	3.1842E-47	-0.26911	hypo	sig	chr2_119432655
chr21	33026211	33026211	+	9.061E-50	3.2475E-47	0.340516	hyper	sig	chr21_33026211
chr6	393188	393188	+	9.324E-50	3.34041E-47	0.30541	hyper	sig	chr6_393188
chr3	35640135	35640135	+	9.491E-50	3.39874E-47	0.344951	hyper	sig	chr3_35640135
chr19	36331619	36331619	+	9.524E-50	3.40889E-47	0.323435	hyper	sig	chr19_36331619
chr1	1007109	1007109	+	1.043E-49	3.73307E-47	-0.32053	hypo	sig	chr1_1007109
chr6	1.01E+08	101399860	+	1.052E-49	3.76113E-47	0.31565	hyper	sig	chr6_101399860
chr4	1.47E+08	146639009	+	1.068E-49	3.81785E-47	0.370326	hyper	sig	chr4_146639009
chr12	54047434	54047434	+	1.072E-49	3.8321E-47	0.401931	hyper	sig	chr12_54047434
chr9	1.37E+08	137031474	+	1.082E-49	3.86447E-47	-0.35292	hypo	sig	chr9_137031474
chr22	46076704	46076704	+	1.084E-49	3.86967E-47	-0.38559	hypo	sig	chr22_46076704
chr8	11703966	11703966	+	1.09E-49	3.88811E-47	0.262191	hyper	sig	chr8_11703966
chr13	1.12E+08	112104182	+	1.111E-49	3.96369E-47	0.284669	hyper	sig	chr13_112104182
chr19	12156904	12156904	+	1.117E-49	3.98277E-47	0.271629	hyper	sig	chr19_12156904
chr14	85531416	85531416	+	1.127E-49	4.01799E-47	0.423983	hyper	sig	chr14_85531416
chr16	3305347	3305347	+	1.145E-49	4.07713E-47	0.256557	hyper	sig	chr16_3305347
chr16	86337757	86337757	+	1.159E-49	4.12722E-47	-0.31807	hypo	sig	chr16_86337757
chr12	1.3E+08	130042426	+	1.174E-49	4.17767E-47	0.301491	hyper	sig	chr12_130042426
chr10	11165577	11165577	+	1.175E-49	4.17858E-47	0.329318	hyper	sig	chr10_11165577
chr13	77919536	77919536	+	1.183E-49	4.20683E-47	0.27929	hyper	sig	chr13_77919536
chr1	1.59E+08	159188654	+	1.188E-49	4.22105E-47	0.329384	hyper	sig	chr1_159188654
chr17	81400703	81400703	+	1.192E-49	4.23652E-47	0.284111	hyper	sig	chr17_81400703
chr5	3197899	3197899	+	1.228E-49	4.36037E-47	0.351238	hyper	sig	chr5_3197899
chr18	79782966	79782966	+	1.263E-49	4.4814E-47	-0.26078	hypo	sig	chr18_79782966
chr8	48408036	48408036	+	1.265E-49	4.48853E-47	-0.3724	hypo	sig	chr8_48408036
chr18	12253869	12253869	+	1.3E-49	4.60883E-47	0.288166	hyper	sig	chr18_12253869
chr12	54047422	54047422	+	1.3E-49	4.60923E-47	0.40015	hyper	sig	chr12_54047422
chr20	21509634	21509634	+	1.327E-49	4.70251E-47	0.327406	hyper	sig	chr20_21509634
chr5	1.41E+08	141485026	+	1.343E-49	4.75548E-47	0.359626	hyper	sig	chr5_141485026
chr22	46076728	46076728	+	1.346E-49	4.76416E-47	-0.37737	hypo	sig	chr22_46076728
chr5	1.41E+08	141421487	+	1.369E-49	4.84525E-47	0.351145	hyper	sig	chr5_141421487

chr10	79242806	79242806	+	1.375E-49	4.86229E-47	0.40142	hyper	sig	chr10_79242806
chr4	1.25E+08	125317232	+	1.382E-49	4.88499E-47	0.363971	hyper	sig	chr4_125317232
chr17	81858661	81858661	+	1.426E-49	5.04012E-47	-0.29993	hypo	sig	chr17_81858661
chr2	1.85E+08	184597713	+	1.427E-49	5.04249E-47	0.261707	hyper	sig	chr2_184597713
chr5	1.35E+08	135327218	+	1.466E-49	5.17479E-47	0.243779	hyper	sig	chr5_135327218
chr4	1.83E+08	182880785	+	1.488E-49	5.25069E-47	-0.29398	hypo	sig	chr4_182880785
chr16	1436544	1436544	+	1.489E-49	5.25493E-47	-0.43336	hypo	sig	chr16_1436544
chr12	54054097	54054097	+	1.496E-49	5.27457E-47	0.336647	hyper	sig	chr12_54054097
chr2	1.19E+08	118857922	+	1.548E-49	5.45622E-47	0.319226	hyper	sig	chr2_118857922
chr2	2.42E+08	241985838	+	1.589E-49	5.59954E-47	-0.38876	hypo	sig	chr2_241985838
chr12	1.17E+08	117033221	+	1.59E-49	5.60049E-47	0.324223	hyper	sig	chr12_117033221
chr13	27923264	27923264	+	1.619E-49	5.69782E-47	0.339795	hyper	sig	chr13_27923264
chr16	51151546	51151546	+	1.635E-49	5.75057E-47	0.302853	hyper	sig	chr16_51151546
chr1	2496735	2496735	+	1.66E-49	5.83446E-47	-0.37703	hypo	sig	chr1_2496735
chr14	60485546	60485546	+	1.667E-49	5.85956E-47	0.408254	hyper	sig	chr14_60485546
chr4	1.11E+08	110630748	+	1.707E-49	5.99449E-47	0.329788	hyper	sig	chr4_110630748
chr2	1665360	1665360	+	1.715E-49	6.02129E-47	-0.33931	hypo	sig	chr2_1665360
chr15	83283807	83283807	+	1.724E-49	6.04767E-47	0.348592	hyper	sig	chr15_83283807
chr16	77789324	77789324	+	1.724E-49	6.04767E-47	0.359949	hyper	sig	chr16_77789324
chr13	27924883	27924883	+	1.739E-49	6.09914E-47	0.393031	hyper	sig	chr13_27924883
chr1	3550655	3550655	+	1.748E-49	6.12678E-47	-0.34269	hypo	sig	chr1_3550655
chr4	1.47E+08	146639086	+	1.754E-49	6.14708E-47	0.356369	hyper	sig	chr4_146639086
chr13	1.12E+08	112068023	+	1.759E-49	6.15895E-47	0.277466	hyper	sig	chr13_112068023
chr17	17561910	17561910	+	1.761E-49	6.16307E-47	-0.29582	hypo	sig	chr17_17561910
chr1	2206226	2206226	+	1.822E-49	6.37647E-47	-0.40835	hypo	sig	chr1_2206226
chr6	10390670	10390670	+	1.823E-49	6.37751E-47	0.362547	hyper	sig	chr6_10390670
chr14	69850440	69850440	+	1.861E-49	6.50702E-47	-0.45058	hypo	sig	chr14_69850440
chr4	1056134	1056134	+	1.914E-49	6.68747E-47	-0.23653	hypo	sig	chr4_1056134
chr20	37522718	37522718	+	1.915E-49	6.68843E-47	-0.27542	hypo	sig	chr20_37522718
chr10	55628343	55628343	+	1.922E-49	6.71087E-47	0.345399	hyper	sig	chr10_55628343
chr13	87674609	87674609	+	1.944E-49	6.78185E-47	0.379803	hyper	sig	chr13_87674609
chr7	5302833	5302833	+	1.944E-49	6.78185E-47	-0.40852	hypo	sig	chr7_5302833
chr6	1.7E+08	170177154	+	1.953E-49	6.80889E-47	-0.34412	hypo	sig	chr6_170177154
chr5	32712133	32712133	+	1.968E-49	6.86097E-47	0.306166	hyper	sig	chr5_32712133
chr4	20253514	20253514	+	1.979E-49	6.89647E-47	0.369427	hyper	sig	chr4_20253514
chr10	1.33E+08	132817681	+	1.997E-49	6.95385E-47	-0.3085	hypo	sig	chr10_132817681
chr5	1.41E+08	140841789	+	2.006E-49	6.98187E-47	0.347791	hyper	sig	chr5_140841789
chr3	6862458	6862458	+	2.013E-49	7.00434E-47	0.339289	hyper	sig	chr3_6862458
chr10	1.01E+08	101134733	+	2.017E-49	7.01694E-47	0.308066	hyper	sig	chr10_101134733
chr7	1.59E+08	158979112	+	2.033E-49	7.06943E-47	-0.34299	hypo	sig	chr7_158979112
chr21	26967021	26967021	+	2.044E-49	7.10191E-47	0.357982	hyper	sig	chr21_26967021
chr1	2.28E+08	228464441	+	2.057E-49	7.14515E-47	0.306382	hyper	sig	chr1_228464441
chr5	1.16E+08	115816618	+	2.103E-49	7.30309E-47	0.360288	hyper	sig	chr5_115816618
chr14	88326651	88326651	+	2.106E-49	7.31019E-47	0.269153	hyper	sig	chr14_88326651
chr7	8442467	8442467	+	2.125E-49	7.372E-47	0.364916	hyper	sig	chr7_8442467
chr12	85273823	85273823	+	2.194E-49	7.60656E-47	0.347295	hyper	sig	chr12_85273823
chr5	1.16E+08	115816674	+	2.207E-49	7.65103E-47	0.256685	hyper	sig	chr5_115816674
chr14	85530151	85530151	+	2.224E-49	7.70394E-47	0.397196	hyper	sig	chr14_85530151
chr13	1.13E+08	112995286	+	2.346E-49	8.12568E-47	-0.29729	hypo	sig	chr13_112995286
chr8	1.44E+08	144046818	+	2.383E-49	8.24942E-47	-0.3708	hypo	sig	chr8_144046818
chr10	79242704	79242704	+	2.439E-49	8.43968E-47	0.442498	hyper	sig	chr10_79242704
chr11	65856071	65856071	+	2.491E-49	8.61437E-47	-0.33612	hypo	sig	chr11_65856071
chr3	1.47E+08	147356300	+	2.502E-49	8.65081E-47	0.286326	hyper	sig	chr3_147356300
chr5	1.41E+08	141431019	+	2.509E-49	8.67059E-47	0.337613	hyper	sig	chr5_141431019
chr5	1.41E+08	141484968	+	2.622E-49	9.05633E-47	0.333881	hyper	sig	chr5_141484968
chr19	1169022	1169022	+	2.639E-49	9.11103E-47	0.315206	hyper	sig	chr19_1169022

chr13	77919522	77919522	+	2.643E-49	9.11927E-47	0.276045	hyper	sig	chr13_77919522
chr13	78607960	78607960	+	2.643E-49	9.11927E-47	0.405108	hyper	sig	chr13_78607960
chr7	533579	533579	+	2.659E-49	9.17126E-47	-0.32279	hypo	sig	chr7_533579
chr22	19892162	19892162	+	2.682E-49	9.2448E-47	-0.2838	hypo	sig	chr22_19892162
chr13	83881531	83881531	+	2.699E-49	9.2998E-47	0.351921	hyper	sig	chr13_83881531
chr19	58059043	58059043	+	2.78E-49	9.5758E-47	0.390308	hyper	sig	chr19_58059043
chr7	8442444	8442444	+	2.849E-49	9.80754E-47	0.350664	hyper	sig	chr7_8442444
chr12	1.11E+08	111034157	+	2.89E-49	9.94433E-47	0.337894	hyper	sig	chr12_111034157
chr4	1.47E+08	146640571	+	2.892E-49	9.94938E-47	0.315062	hyper	sig	chr4_146640571
chr7	5304029	5304029	+	3.012E-49	1.03552E-46	-0.39389	hypo	sig	chr7_5304029
chr2	11105388	11105388	+	3.019E-49	1.03751E-46	-0.3332	hypo	sig	chr2_11105388
chr16	67651500	67651500	+	3.047E-49	1.04664E-46	-0.35853	hypo	sig	chr16_67651500
chr7	45921690	45921690	+	3.063E-49	1.05167E-46	0.31589	hyper	sig	chr7_45921690
chr13	1.1E+08	110447809	+	3.076E-49	1.05592E-46	-0.30278	hypo	sig	chr13_110447809
chr13	27924107	27924107	+	3.115E-49	1.0683E-46	0.394812	hyper	sig	chr13_27924107
chr6	62286053	62286053	+	3.115E-49	1.0683E-46	0.373326	hyper	sig	chr6_62286053
chr2	1E+08	100392137	+	3.123E-49	1.07059E-46	-0.37727	hypo	sig	chr2_100392137
chr5	1.41E+08	141383425	+	3.142E-49	1.07654E-46	0.327234	hyper	sig	chr5_141383425
chr10	79242728	79242728	+	3.162E-49	1.08317E-46	0.427012	hyper	sig	chr10_79242728
chr10	1173465	1173465	+	3.164E-49	1.08318E-46	-0.35922	hypo	sig	chr10_1173465
chr2	74499833	74499833	+	3.172E-49	1.08546E-46	0.323395	hyper	sig	chr2_74499833
chr2	74499421	74499421	+	3.213E-49	1.0993E-46	0.209626	hyper	sig	chr2_74499421
chr4	61201738	61201738	+	3.332E-49	1.13941E-46	0.325394	hyper	sig	chr4_61201738
chr7	97007434	97007434	+	3.337E-49	1.14065E-46	0.293254	hyper	sig	chr7_97007434
chr14	1.04E+08	103727941	+	3.378E-49	1.15417E-46	0.337239	hyper	sig	chr14_103727941
chr1	3293318	3293318	+	3.382E-49	1.1551E-46	-0.3654	hypo	sig	chr1_3293318
chr3	62371279	62371279	+	3.398E-49	1.16001E-46	0.40269	hyper	sig	chr3_62371279
chr16	88375678	88375678	+	3.437E-49	1.17286E-46	-0.30946	hypo	sig	chr16_88375678
chr16	85483991	85483991	+	3.447E-49	1.17557E-46	-0.30993	hypo	sig	chr16_85483991
chr1	1.22E+08	121519677	+	3.462E-49	1.18026E-46	0.346451	hyper	sig	chr1_121519677
chr11	1.34E+08	133935127	+	3.466E-49	1.18109E-46	-0.29932	hypo	sig	chr11_133935127
chr2	2.33E+08	233060598	+	3.494E-49	1.19024E-46	-0.3935	hypo	sig	chr2_233060598
chr5	3590869	3590869	+	3.506E-49	1.19385E-46	0.306843	hyper	sig	chr5_3590869
chr2	1818635	1818635	+	3.53E-49	1.2014E-46	-0.41569	hypo	sig	chr2_1818635
chr8	22154133	22154133	+	3.579E-49	1.21753E-46	-0.36444	hypo	sig	chr8_22154133
chr2	1.3E+08	130006027	+	3.608E-49	1.22712E-46	0.351686	hyper	sig	chr2_130006027
chr20	50730036	50730036	+	3.635E-49	1.23577E-46	-0.48934	hypo	sig	chr20_50730036
chr2	1.28E+08	128470030	+	3.647E-49	1.23933E-46	-0.31722	hypo	sig	chr2_128470030
chr3	1.8E+08	180036779	+	3.654E-49	1.24123E-46	0.301558	hyper	sig	chr3_180036779
chr10	1.09E+08	108912207	+	3.66E-49	1.24249E-46	0.336771	hyper	sig	chr10_108912207
chr2	74499883	74499883	+	3.661E-49	1.24249E-46	0.31064	hyper	sig	chr2_74499883
chr14	1.04E+08	104159076	+	3.77E-49	1.27884E-46	-0.33607	hypo	sig	chr14_104159076
chr2	1.82E+08	181684595	+	3.828E-49	1.2981E-46	0.407831	hyper	sig	chr2_181684595
chr16	912823	912823	+	3.83E-49	1.29828E-46	0.241006	hyper	sig	chr16_912823
chr13	77918965	77918965	+	3.924E-49	1.32936E-46	0.308997	hyper	sig	chr13_77918965
chr6	10390716	10390716	+	4.009E-49	1.35764E-46	0.328029	hyper	sig	chr6_10390716
chr18	79785256	79785256	+	4.018E-49	1.36024E-46	-0.37586	hypo	sig	chr18_79785256
chr10	49608873	49608873	+	4.103E-49	1.38851E-46	0.365049	hyper	sig	chr10_49608873
chr17	81941468	81941468	+	4.213E-49	1.42492E-46	-0.36481	hypo	sig	chr17_81941468
chr16	29311054	29311054	+	4.246E-49	1.43547E-46	-0.38937	hypo	sig	chr16_29311054
chr2	1E+08	100391786	+	4.286E-49	1.44857E-46	-0.31882	hypo	sig	chr2_100391786
chr17	5097626	5097626	+	4.367E-49	1.47539E-46	0.365713	hyper	sig	chr17_5097626
chr1	10672846	10672846	+	4.391E-49	1.48266E-46	0.277836	hyper	sig	chr1_10672846
chr5	3590898	3590898	+	4.413E-49	1.48972E-46	0.304796	hyper	sig	chr5_3590898
chr13	1.12E+08	112345740	+	4.419E-49	1.49103E-46	-0.31302	hypo	sig	chr13_112345740
chr7	1.02E+08	102440266	+	4.456E-49	1.5028E-46	-0.40525	hypo	sig	chr7_102440266

chr8	49910985	49910985	+	4.479E-49	1.5101E-46	0.291366	hyper	sig	chr8_49910985
chr15	83283775	83283775	+	4.52E-49	1.52308E-46	0.309465	hyper	sig	chr15_83283775
chr19	4891200	4891200	+	4.544E-49	1.5307E-46	-0.31169	hypo	sig	chr19_4891200
chr14	85531439	85531439	+	4.635E-49	1.56054E-46	0.41441	hyper	sig	chr14_85531439
chr4	44448376	44448376	+	4.678E-49	1.57444E-46	0.360061	hyper	sig	chr4_44448376
chr16	81584133	81584133	+	4.687E-49	1.57683E-46	-0.36075	hypo	sig	chr16_81584133
chr10	16520630	16520630	+	4.743E-49	1.59513E-46	0.269349	hyper	sig	chr10_16520630
chr5	55222917	55222917	+	4.75E-49	1.59679E-46	0.300329	hyper	sig	chr5_55222917
chr19	55359142	55359142	+	4.778E-49	1.60525E-46	-0.35847	hypo	sig	chr19_55359142
chr2	467891	467891	+	4.785E-49	1.60723E-46	0.335628	hyper	sig	chr2_467891
chr3	1.47E+08	147410360	+	4.798E-49	1.61073E-46	0.332121	hyper	sig	chr3_147410360
chr2	29115122	29115122	+	4.993E-49	1.67564E-46	0.363414	hyper	sig	chr2_29115122
chr2	2.39E+08	239275456	+	5.03E-49	1.68731E-46	-0.29908	hypo	sig	chr2_239275456
chr4	1.33E+08	133146838	+	5.06E-49	1.69667E-46	0.287541	hyper	sig	chr4_133146838
chr5	1.19E+08	119355260	+	5.083E-49	1.70355E-46	-0.37654	hypo	sig	chr5_119355260
chr3	35640129	35640129	+	5.146E-49	1.72412E-46	0.353033	hyper	sig	chr3_35640129
chr16	62036405	62036405	+	5.234E-49	1.75267E-46	0.325708	hyper	sig	chr16_62036405
chr10	27746726	27746726	+	5.261E-49	1.76087E-46	0.320962	hyper	sig	chr10_27746726
chr6	1.38E+08	138104987	+	5.262E-49	1.76087E-46	-0.4047	hypo	sig	chr6_138104987
chr13	27927723	27927723	+	5.334E-49	1.78395E-46	0.373178	hyper	sig	chr13_27927723
chr4	15787663	15787663	+	5.449E-49	1.82166E-46	-0.36456	hypo	sig	chr4_15787663
chr5	1.41E+08	141485011	+	5.457E-49	1.82377E-46	0.36349	hyper	sig	chr5_141485011
chr5	44389734	44389734	+	5.511E-49	1.84093E-46	0.339379	hyper	sig	chr5_44389734
chr4	4862901	4862901	+	5.56E-49	1.85647E-46	0.349192	hyper	sig	chr4_4862901
chr2	2.42E+08	241985876	+	5.568E-49	1.85869E-46	-0.41677	hypo	sig	chr2_241985876
chr4	80265902	80265902	+	5.629E-49	1.87828E-46	0.291909	hyper	sig	chr4_80265902
chr13	53200923	53200923	+	5.701E-49	1.90129E-46	0.330664	hyper	sig	chr13_53200923
chr8	24914951	24914951	+	5.714E-49	1.90478E-46	0.320179	hyper	sig	chr8_24914951
chr12	1.15E+08	114681007	+	5.731E-49	1.9097E-46	-0.28653	hypo	sig	chr12_114681007
chr5	1.41E+08	141431227	+	5.773E-49	1.92297E-46	0.327117	hyper	sig	chr5_141431227
chr1	24321748	24321748	+	5.789E-49	1.92758E-46	-0.31145	hypo	sig	chr1_24321748
chr5	1.75E+08	174731959	+	5.854E-49	1.94828E-46	0.313619	hyper	sig	chr5_174731959
chr9	1.3E+08	129620709	+	5.865E-49	1.95134E-46	0.417852	hyper	sig	chr9_129620709
chr5	63961883	63961883	+	5.94E-49	1.97532E-46	0.325333	hyper	sig	chr5_63961883
chr6	29553375	29553375	+	5.942E-49	1.97532E-46	0.231038	hyper	sig	chr6_29553375
chr7	97007468	97007468	+	5.961E-49	1.98091E-46	0.308835	hyper	sig	chr7_97007468
chr22	39374441	39374441	+	6.104E-49	2.02731E-46	-0.28033	hypo	sig	chr22_39374441
chr18	79785072	79785072	+	6.261E-49	2.07866E-46	-0.33462	hypo	sig	chr18_79785072
chr5	1.41E+08	141431002	+	6.276E-49	2.08282E-46	0.31596	hyper	sig	chr5_141431002
chr18	905018	905018	+	6.289E-49	2.08622E-46	0.370846	hyper	sig	chr18_905018
chr1	2.44E+08	243917605	+	6.429E-49	2.1318E-46	0.327337	hyper	sig	chr1_243917605
chr14	36667106	36667106	+	6.606E-49	2.18974E-46	0.294166	hyper	sig	chr14_36667106
chr11	1.09E+08	109423246	+	6.628E-49	2.19598E-46	0.294244	hyper	sig	chr11_109423246
chr5	1973994	1973994	+	6.735E-49	2.23057E-46	-0.32273	hypo	sig	chr5_1973994
chr7	54542446	54542446	+	6.835E-49	2.26299E-46	0.28953	hyper	sig	chr7_54542446
chr7	98215590	98215590	+	6.84E-49	2.2634E-46	-0.28892	hypo	sig	chr7_98215590
chr3	1.8E+08	180324936	+	6.845E-49	2.26419E-46	-0.36542	hypo	sig	chr3_180324936
chr4	1.07E+08	107037316	+	6.886E-49	2.27685E-46	0.307952	hyper	sig	chr4_107037316
chr16	67161722	67161722	+	7.056E-49	2.3323E-46	-0.37754	hypo	sig	chr16_67161722
chr13	29480303	29480303	+	7.162E-49	2.36634E-46	-0.40363	hypo	sig	chr13_29480303
chr1	24321723	24321723	+	7.192E-49	2.37525E-46	-0.3511	hypo	sig	chr1_24321723
chr13	40188121	40188121	+	7.23E-49	2.38671E-46	-0.32473	hypo	sig	chr13_40188121
chr10	1.3E+08	129852449	+	7.378E-49	2.43465E-46	-0.29427	hypo	sig	chr10_129852449
chr7	54544686	54544686	+	7.508E-49	2.4764E-46	0.3947	hyper	sig	chr7_54544686
chr4	1.33E+08	133148425	+	7.53E-49	2.48275E-46	0.360572	hyper	sig	chr4_133148425
chr7	27124306	27124306	+	7.634E-49	2.51591E-46	0.296435	hyper	sig	chr7_27124306

chr16	1221171	1221171	+	7.645E-49	2.51866E-46	-0.39845	hypo	sig	chr16_1221171
chr19	52369903	52369903	+	7.707E-49	2.53811E-46	0.335632	hyper	sig	chr19_52369903
chr4	95548183	95548183	+	7.748E-49	2.55045E-46	0.259742	hyper	sig	chr4_95548183
chr12	1.33E+08	132904904	+	7.814E-49	2.57114E-46	0.305735	hyper	sig	chr12_132904904
chr18	47251345	47251345	+	7.961E-49	2.61842E-46	0.340213	hyper	sig	chr18_47251345
chr9	37026797	37026797	+	7.978E-49	2.62307E-46	0.390911	hyper	sig	chr9_37026797
chr2	1.19E+08	118842172	+	8.022E-49	2.63654E-46	0.289263	hyper	sig	chr2_118842172
chr2	2.39E+08	239098478	+	8.085E-49	2.65591E-46	-0.36002	hypo	sig	chr2_239098478
chr7	1.58E+08	157553923	+	8.155E-49	2.67785E-46	-0.35118	hypo	sig	chr7_157553923
chr8	22408540	22408540	+	8.163E-49	2.67958E-46	-0.36623	hypo	sig	chr8_22408540
chr18	37567234	37567234	+	8.235E-49	2.70197E-46	0.288823	hyper	sig	chr18_37567234
chr14	85531449	85531449	+	8.281E-49	2.7162E-46	0.419892	hyper	sig	chr14_85531449
chr1	2.36E+08	236155172	+	8.384E-49	2.74868E-46	-0.22497	hypo	sig	chr1_236155172
chr16	917929	917929	+	8.465E-49	2.77433E-46	0.205042	hyper	sig	chr16_917929
chr3	1.47E+08	147423475	+	8.561E-49	2.80453E-46	0.28148	hyper	sig	chr3_147423475
chr4	1056121	1056121	+	8.575E-49	2.80788E-46	-0.22647	hypo	sig	chr4_1056121
chr1	2.28E+08	228215633	+	8.595E-49	2.81343E-46	-0.30033	hypo	sig	chr1_228215633
chr2	74499821	74499821	+	8.618E-49	2.8197E-46	0.317627	hyper	sig	chr2_74499821
chr7	1.01E+08	100865770	+	8.638E-49	2.82525E-46	-0.4339	hypo	sig	chr7_100865770
chr7	54542329	54542329	+	8.821E-49	2.88375E-46	0.371935	hyper	sig	chr7_54542329
chr17	82710971	82710971	+	9.238E-49	3.01907E-46	-0.34631	hypo	sig	chr17_82710971
chr4	1.84E+08	184456067	+	9.63E-49	3.14595E-46	-0.23857	hypo	sig	chr4_184456067
chr8	71844700	71844700	+	9.654E-49	3.15231E-46	0.297064	hyper	sig	chr8_71844700
chr14	1.04E+08	104180110	+	9.663E-49	3.15403E-46	-0.34126	hypo	sig	chr14_104180110
chr13	1.1E+08	110150621	+	9.897E-49	3.22914E-46	-0.34004	hypo	sig	chr13_110150621
chr11	47337494	47337494	+	1.001E-48	3.26404E-46	-0.35276	hypo	sig	chr11_47337494
chr12	4909341	4909341	+	1.013E-48	3.30123E-46	0.405515	hyper	sig	chr12_4909341
chr18	37567199	37567199	+	1.039E-48	3.38431E-46	0.300215	hyper	sig	chr18_37567199
chr3	1.58E+08	158094929	+	1.042E-48	3.39424E-46	0.37535	hyper	sig	chr3_158094929
chr5	1.35E+08	135028968	+	1.048E-48	3.4141E-46	0.388884	hyper	sig	chr5_135028968
chr6	62286055	62286055	+	1.053E-48	3.42854E-46	0.373454	hyper	sig	chr6_62286055
chr3	1.92E+08	192408409	+	1.057E-48	3.43924E-46	0.287616	hyper	sig	chr3_192408409
chr6	10425320	10425320	+	1.071E-48	3.48169E-46	0.342011	hyper	sig	chr6_10425320
chr19	49133275	49133275	+	1.081E-48	3.51326E-46	0.396277	hyper	sig	chr19_49133275
chr19	58059077	58059077	+	1.088E-48	3.53654E-46	0.369147	hyper	sig	chr19_58059077
chr17	82711068	82711068	+	1.102E-48	3.57933E-46	-0.35886	hypo	sig	chr17_82711068
chr5	1.41E+08	141431016	+	1.105E-48	3.58564E-46	0.325383	hyper	sig	chr5_141431016
chr9	19789383	19789383	+	1.105E-48	3.58564E-46	0.343391	hyper	sig	chr9_19789383
chr2	1.19E+08	118859242	+	1.113E-48	3.61249E-46	0.277634	hyper	sig	chr2_118859242
chr4	1.25E+08	125316185	+	1.115E-48	3.61543E-46	0.331682	hyper	sig	chr4_125316185
chr14	24132379	24132379	+	1.116E-48	3.61727E-46	-0.32516	hypo	sig	chr14_24132379
chr7	1.59E+08	159143977	+	1.135E-48	3.67834E-46	0.302948	hyper	sig	chr7_159143977
chr8	48870511	48870511	+	1.148E-48	3.72007E-46	0.433542	hyper	sig	chr8_48870511
chr14	1.04E+08	104159110	+	1.149E-48	3.72181E-46	-0.30874	hypo	sig	chr14_104159110
chr1	2.35E+08	234723250	+	1.151E-48	3.72602E-46	-0.35896	hypo	sig	chr1_234723250
chr8	11704022	11704022	+	1.182E-48	3.82402E-46	0.242084	hyper	sig	chr8_11704022
chr16	972384	972384	+	1.208E-48	3.90656E-46	-0.38499	hypo	sig	chr16_972384
chr16	1543611	1543611	+	1.211E-48	3.91421E-46	-0.34747	hypo	sig	chr16_1543611
chr7	1.58E+08	157684148	+	1.22E-48	3.94132E-46	0.416208	hyper	sig	chr7_157684148
chr19	58440459	58440459	+	1.242E-48	4.01063E-46	0.21976	hyper	sig	chr19_58440459
chr12	53961692	53961692	+	1.313E-48	4.23941E-46	0.356096	hyper	sig	chr12_53961692
chr15	70475335	70475335	+	1.337E-48	4.31249E-46	-0.32948	hypo	sig	chr15_70475335
chr12	1.04E+08	104303611	+	1.345E-48	4.3383E-46	0.320474	hyper	sig	chr12_104303611
chr7	1.59E+08	159144034	+	1.359E-48	4.38184E-46	0.360752	hyper	sig	chr7_159144034
chr4	1.47E+08	146640650	+	1.371E-48	4.41681E-46	0.320205	hyper	sig	chr4_146640650
chr5	1.41E+08	141484961	+	1.387E-48	4.46754E-46	0.317311	hyper	sig	chr5_141484961

chr16	28212813	28212813	+	1.4E-48	4.50935E-46	-0.42975	hypo	sig	chr16_28212813
chr19	57935431	57935431	+	1.435E-48	4.61826E-46	0.323216	hyper	sig	chr19_57935431
chr7	1.59E+08	159144025	+	1.455E-48	4.682E-46	0.342751	hyper	sig	chr7_159144025
chr10	1.01E+08	100830433	+	1.515E-48	4.87149E-46	0.270692	hyper	sig	chr10_100830433
chr1	6386128	6386128	+	1.534E-48	4.93252E-46	-0.39436	hypo	sig	chr1_6386128
chr7	1.01E+08	100865788	+	1.553E-48	4.99034E-46	-0.42576	hypo	sig	chr7_100865788
chr7	1.59E+08	159144002	+	1.558E-48	5.00599E-46	0.305453	hyper	sig	chr7_159144002
chr10	7666316	7666316	+	1.561E-48	5.01315E-46	0.313218	hyper	sig	chr10_7666316
chr16	85483981	85483981	+	1.643E-48	5.27456E-46	-0.29284	hypo	sig	chr16_85483981
chr7	1.55E+08	155372776	+	1.647E-48	5.28324E-46	0.30134	hyper	sig	chr7_155372776
chr10	3104906	3104906	+	1.671E-48	5.35869E-46	-0.35558	hypo	sig	chr10_3104906
chr12	54047459	54047459	+	1.695E-48	5.43415E-46	0.421314	hyper	sig	chr12_54047459
chr4	48675440	48675440	+	1.714E-48	5.4939E-46	-0.47072	hypo	sig	chr4_48675440
chr9	19789287	19789287	+	1.737E-48	5.56543E-46	0.376336	hyper	sig	chr9_19789287
chr12	80708734	80708734	+	1.746E-48	5.59056E-46	0.327153	hyper	sig	chr12_80708734
chr11	1.06E+08	105610595	+	1.767E-48	5.65592E-46	0.302987	hyper	sig	chr11_105610595
chr19	53521580	53521580	+	1.781E-48	5.69973E-46	0.373954	hyper	sig	chr19_53521580
chr12	53960777	53960777	+	1.783E-48	5.70138E-46	0.326465	hyper	sig	chr12_53960777
chr17	81400700	81400700	+	1.824E-48	5.83089E-46	0.319998	hyper	sig	chr17_81400700
chr5	5139684	5139684	+	1.839E-48	5.87579E-46	0.365367	hyper	sig	chr5_5139684
chr2	2.41E+08	241189369	+	1.861E-48	5.94494E-46	-0.46643	hypo	sig	chr2_241189369
chr13	57631929	57631929	+	1.864E-48	5.95118E-46	0.398533	hyper	sig	chr13_57631929
chr12	54029770	54029770	+	1.872E-48	5.97579E-46	0.297727	hyper	sig	chr12_54029770
chr4	1.33E+08	133148438	+	1.88E-48	5.99988E-46	0.37337	hyper	sig	chr4_133148438
chr1	2.44E+08	243917607	+	1.909E-48	6.08869E-46	0.33179	hyper	sig	chr1_243917607
chr2	74499905	74499905	+	1.915E-48	6.10711E-46	0.307883	hyper	sig	chr2_74499905
chr1	50417692	50417692	+	1.944E-48	6.19422E-46	0.26301	hyper	sig	chr1_50417692
chr4	44448370	44448370	+	1.944E-48	6.19422E-46	0.355117	hyper	sig	chr4_44448370
chr11	44311114	44311114	+	1.947E-48	6.20182E-46	0.282621	hyper	sig	chr11_44311114
chr5	33936397	33936397	+	1.954E-48	6.22122E-46	0.342229	hyper	sig	chr5_33936397
chr21	46296633	46296633	+	1.97E-48	6.26724E-46	0.462693	hyper	sig	chr21_46296633
chr8	96159090	96159090	+	1.985E-48	6.31397E-46	0.387573	hyper	sig	chr8_96159090
chr14	1.04E+08	104422740	+	1.994E-48	6.34142E-46	0.309756	hyper	sig	chr14_104422740
chr3	1.47E+08	147391659	+	2.007E-48	6.37819E-46	0.36138	hyper	sig	chr3_147391659
chr13	77918943	77918943	+	2.023E-48	6.42837E-46	0.321786	hyper	sig	chr13_77918943
chr1	1332098	1332098	+	2.045E-48	6.49505E-46	-0.43647	hypo	sig	chr1_1332098
chr14	85530578	85530578	+	2.055E-48	6.5247E-46	0.39962	hyper	sig	chr14_85530578
chr13	27924789	27924789	+	2.064E-48	6.54957E-46	0.367326	hyper	sig	chr13_27924789
chr20	21519385	21519385	+	2.079E-48	6.59604E-46	0.285865	hyper	sig	chr20_21519385
chr18	14146624	14146624	+	2.087E-48	6.61694E-46	0.263269	hyper	sig	chr18_14146624
chr11	1.29E+08	128824323	+	2.153E-48	6.82205E-46	0.3158	hyper	sig	chr11_128824323
chr14	36667053	36667053	+	2.165E-48	6.85739E-46	0.323696	hyper	sig	chr14_36667053
chr6	1.68E+08	168227745	+	2.182E-48	6.90739E-46	-0.3291	hypo	sig	chr6_168227745
chr13	77918565	77918565	+	2.243E-48	7.09808E-46	0.299827	hyper	sig	chr13_77918565
chr2	1.19E+08	118842240	+	2.28E-48	7.21211E-46	0.338061	hyper	sig	chr2_118842240
chr13	37869979	37869979	+	2.288E-48	7.23653E-46	0.29917	hyper	sig	chr13_37869979
chr10	3287629	3287629	+	2.31E-48	7.30215E-46	-0.33302	hypo	sig	chr10_3287629
chr5	45695737	45695737	+	2.326E-48	7.349E-46	0.359121	hyper	sig	chr5_45695737
chr22	46085112	46085112	+	2.33E-48	7.35963E-46	-0.35438	hypo	sig	chr22_46085112
chr10	22345718	22345718	+	2.344E-48	7.40015E-46	0.425105	hyper	sig	chr10_22345718
chr4	1.33E+08	133148155	+	2.394E-48	7.5549E-46	0.305809	hyper	sig	chr4_133148155
chr4	80267254	80267254	+	2.459E-48	7.75646E-46	0.292061	hyper	sig	chr4_80267254
chr3	27723930	27723930	+	2.465E-48	7.77364E-46	0.294523	hyper	sig	chr3_27723930
chr1	1.8E+08	179744034	+	2.535E-48	7.99106E-46	0.326971	hyper	sig	chr1_179744034
chr11	62270198	62270198	+	2.537E-48	7.99535E-46	-0.30705	hypo	sig	chr11_62270198
chr4	1.9E+08	190020574	+	2.565E-48	8.08034E-46	0.340972	hyper	sig	chr4_190020574

chr14	99363395	99363395	+	2.606E-48	8.20043E-46	-0.41183	hypo	sig	chr14_99363395
chr5	1.41E+08	141421777	+	2.606E-48	8.20043E-46	0.313214	hyper	sig	chr5_141421777
chr11	70457429	70457429	+	2.648E-48	8.32961E-46	-0.23264	hypo	sig	chr11_70457429
chr16	51156254	51156254	+	2.657E-48	8.35491E-46	0.368664	hyper	sig	chr16_51156254
chr6	1.68E+08	168227727	+	2.672E-48	8.39817E-46	-0.34039	hypo	sig	chr6_168227727
chr11	44862471	44862471	+	2.693E-48	8.46044E-46	-0.2685	hypo	sig	chr11_44862471
chr5	1.41E+08	141485119	+	2.701E-48	8.48062E-46	0.349586	hyper	sig	chr5_141485119
chr19	48414883	48414883	+	2.705E-48	8.49088E-46	0.488155	hyper	sig	chr19_48414883
chr19	21463534	21463534	+	2.714E-48	8.51479E-46	0.396454	hyper	sig	chr19_21463534
chr7	8442469	8442469	+	2.72E-48	8.5322E-46	0.361933	hyper	sig	chr7_8442469
chr6	6003132	6003132	+	2.792E-48	8.75313E-46	0.313492	hyper	sig	chr6_6003132
chr7	1.58E+08	157684145	+	2.808E-48	8.8005E-46	0.430182	hyper	sig	chr7_157684145
chr17	79712161	79712161	+	2.824E-48	8.84657E-46	-0.3284	hypo	sig	chr17_79712161
chr2	70790474	70790474	+	2.833E-48	8.87107E-46	0.258869	hyper	sig	chr2_70790474
chr19	21474729	21474729	+	2.856E-48	8.94229E-46	0.345734	hyper	sig	chr19_21474729
chr3	198451	198451	+	2.896E-48	9.06063E-46	0.372949	hyper	sig	chr3_198451
chr6	1.6E+08	160350156	+	2.896E-48	9.06063E-46	-0.37572	hypo	sig	chr6_160350156
chr12	54047429	54047429	+	2.954E-48	9.23332E-46	0.401393	hyper	sig	chr12_54047429
chr1	3067961	3067961	+	2.986E-48	9.32994E-46	0.251374	hyper	sig	chr1_3067961
chr11	34204926	34204926	+	3.004E-48	9.3822E-46	-0.3638	hypo	sig	chr11_34204926
chr13	1.02E+08	101917526	+	3.172E-48	9.9025E-46	0.28189	hyper	sig	chr13_101917526
chr6	29553368	29553368	+	3.192E-48	9.96274E-46	0.240868	hyper	sig	chr6_29553368
chr15	41895000	41895000	+	3.225E-48	1.00583E-45	-0.28013	hypo	sig	chr15_41895000
chr16	85625316	85625316	+	3.225E-48	1.00583E-45	-0.29889	hypo	sig	chr16_85625316
chr2	1.05E+08	105397428	+	3.239E-48	1.00978E-45	-0.39519	hypo	sig	chr2_105397428
chr10	7409849	7409849	+	3.246E-48	1.01154E-45	0.303653	hyper	sig	chr10_7409849
chr2	1E+08	100391822	+	3.263E-48	1.01655E-45	-0.33308	hypo	sig	chr2_100391822
chr18	37567202	37567202	+	3.268E-48	1.0176E-45	0.303244	hyper	sig	chr18_37567202
chr10	1.3E+08	129969885	+	3.297E-48	1.02616E-45	0.255508	hyper	sig	chr10_129969885
chr14	69850375	69850375	+	3.378E-48	1.05112E-45	-0.42206	hypo	sig	chr14_69850375
chr1	1.44E+08	143905699	+	3.384E-48	1.05259E-45	0.25734	hyper	sig	chr1_143905699
chr6	75205023	75205023	+	3.423E-48	1.06409E-45	0.296901	hyper	sig	chr6_75205023
chr14	41608535	41608535	+	3.442E-48	1.06968E-45	0.388202	hyper	sig	chr14_41608535
chr4	1.11E+08	110629721	+	3.446E-48	1.0706E-45	0.331491	hyper	sig	chr4_110629721
chr6	62286051	62286051	+	3.45E-48	1.07148E-45	0.360143	hyper	sig	chr6_62286051
chr14	85532245	85532245	+	3.522E-48	1.09343E-45	0.334492	hyper	sig	chr14_85532245
chr17	81400723	81400723	+	3.542E-48	1.09918E-45	0.279839	hyper	sig	chr17_81400723
chr14	24132403	24132403	+	3.555E-48	1.10283E-45	-0.3311	hypo	sig	chr14_24132403
chr5	1.41E+08	141430997	+	3.567E-48	1.10603E-45	0.313282	hyper	sig	chr5_141430997
chr14	85531441	85531441	+	3.615E-48	1.12059E-45	0.41132	hyper	sig	chr14_85531441
chr1	2.36E+08	236155198	+	3.637E-48	1.12677E-45	-0.25091	hypo	sig	chr1_236155198
chr15	1.01E+08	100880446	+	3.651E-48	1.1308E-45	0.354429	hyper	sig	chr15_100880446
chr7	119672	119672	+	3.664E-48	1.13421E-45	-0.26387	hypo	sig	chr7_119672
chr2	2.42E+08	241852829	+	3.695E-48	1.14345E-45	-0.31252	hypo	sig	chr2_241852829
chr14	28778499	28778499	+	3.699E-48	1.14445E-45	0.315191	hyper	sig	chr14_28778499
chr17	64778826	64778826	+	3.712E-48	1.14804E-45	0.340469	hyper	sig	chr17_64778826
chr13	1.1E+08	110434949	+	3.752E-48	1.1597E-45	-0.36515	hypo	sig	chr13_110434949
chr10	7408494	7408494	+	3.852E-48	1.18983E-45	0.313293	hyper	sig	chr10_7408494
chr10	70267601	70267601	+	3.905E-48	1.20583E-45	-0.30469	hypo	sig	chr10_70267601
chr13	77919448	77919448	+	4.075E-48	1.25732E-45	0.273144	hyper	sig	chr13_77919448
chr7	2572443	2572443	+	4.074E-48	1.25732E-45	-0.32443	hypo	sig	chr7_2572443
chr1	3651422	3651422	+	4.141E-48	1.2771E-45	0.263033	hyper	sig	chr1_3651422
chr4	1.25E+08	125316170	+	4.216E-48	1.29975E-45	0.307764	hyper	sig	chr4_125316170
chr5	430283	430283	+	4.238E-48	1.30612E-45	-0.22999	hypo	sig	chr5_430283
chr6	28810886	28810886	+	4.266E-48	1.3141E-45	0.282799	hyper	sig	chr6_28810886
chr16	89817685	89817685	+	4.379E-48	1.34863E-45	-0.31511	hypo	sig	chr16_89817685

chr8	96159604	96159604	+	4.384E-48	1.34957E-45	0.330895	hyper	sig	chr8_96159604
chr6	72623117	72623117	+	4.388E-48	1.35026E-45	0.354624	hyper	sig	chr6_72623117
chr10	11165564	11165564	+	4.405E-48	1.35507E-45	0.312952	hyper	sig	chr10_11165564
chr5	1.78E+08	178449832	+	4.418E-48	1.35836E-45	-0.33076	hypo	sig	chr5_178449832
chr10	1.3E+08	129969827	+	4.447E-48	1.3665E-45	0.236765	hyper	sig	chr10_129969827
chr19	53254797	53254797	+	4.448E-48	1.3665E-45	0.413545	hyper	sig	chr19_53254797
chr12	1.14E+08	114408513	+	4.47E-48	1.37287E-45	0.326403	hyper	sig	chr12_114408513
chr16	62036182	62036182	+	4.506E-48	1.38335E-45	0.308737	hyper	sig	chr16_62036182
chr5	1.71E+08	171308280	+	4.509E-48	1.38383E-45	0.283948	hyper	sig	chr5_171308280
chr10	1.3E+08	129969876	+	4.528E-48	1.38918E-45	0.25743	hyper	sig	chr10_129969876
chr5	2747808	2747808	+	4.536E-48	1.39098E-45	0.359944	hyper	sig	chr5_2747808
chr1	1.81E+08	181483574	+	4.597E-48	1.40928E-45	0.315716	hyper	sig	chr1_181483574
chr10	3131412	3131412	+	4.603E-48	1.40985E-45	-0.43266	hypo	sig	chr10_3131412
chr10	1.16E+08	116272572	+	4.602E-48	1.40985E-45	0.276476	hyper	sig	chr10_116272572
chr2	63055637	63055637	+	4.725E-48	1.44676E-45	0.281359	hyper	sig	chr2_63055637
chr6	72621606	72621606	+	4.871E-48	1.49097E-45	0.30095	hyper	sig	chr6_72621606
chr20	21706763	21706763	+	4.881E-48	1.49338E-45	0.358963	hyper	sig	chr20_21706763
chr19	19861013	19861013	+	4.889E-48	1.49542E-45	0.339067	hyper	sig	chr19_19861013
chr6	32065010	32065010	+	4.914E-48	1.50227E-45	-0.31076	hypo	sig	chr6_32065010
chr1	44407958	44407958	+	5.167E-48	1.57914E-45	0.351624	hyper	sig	chr1_44407958
chr1	3293330	3293330	+	5.217E-48	1.59389E-45	-0.37212	hypo	sig	chr1_3293330
chr8	53877109	53877109	+	5.292E-48	1.61624E-45	0.386039	hyper	sig	chr8_53877109
chr6	62285998	62285998	+	5.309E-48	1.62074E-45	0.412199	hyper	sig	chr6_62285998
chr3	6862447	6862447	+	5.349E-48	1.63235E-45	0.339535	hyper	sig	chr3_6862447
chr14	60485554	60485554	+	5.385E-48	1.64285E-45	0.401927	hyper	sig	chr14_60485554
chr19	58059026	58059026	+	5.402E-48	1.64728E-45	0.406583	hyper	sig	chr19_58059026
chr12	72273526	72273526	+	5.416E-48	1.65091E-45	0.357207	hyper	sig	chr12_72273526
chr12	54054033	54054033	+	5.419E-48	1.6511E-45	0.384514	hyper	sig	chr12_54054033
chr19	36916513	36916513	+	5.457E-48	1.66214E-45	0.242217	hyper	sig	chr19_36916513
chr12	54047466	54047466	+	5.766E-48	1.75554E-45	0.415884	hyper	sig	chr12_54047466
chr22	46085146	46085146	+	5.875E-48	1.78824E-45	-0.3581	hypo	sig	chr22_46085146
chr7	533496	533496	+	5.883E-48	1.79002E-45	-0.35132	hypo	sig	chr7_533496
chr13	1.12E+08	112068019	+	5.913E-48	1.79838E-45	0.28119	hyper	sig	chr13_112068019
chr4	3766853	3766853	+	6.226E-48	1.89279E-45	0.291324	hyper	sig	chr4_3766853
chr20	8132928	8132928	+	6.235E-48	1.89503E-45	0.326766	hyper	sig	chr20_8132928
chr6	1.08E+08	108174743	+	6.365E-48	1.93302E-45	0.356208	hyper	sig	chr6_108174743
chr6	1.37E+08	137498045	+	6.364E-48	1.93302E-45	0.220695	hyper	sig	chr6_137498045
chr11	67665542	67665542	+	6.431E-48	1.95219E-45	-0.33585	hypo	sig	chr11_67665542
chr1	1.19E+08	118987383	+	6.457E-48	1.95933E-45	0.351022	hyper	sig	chr1_118987383
chr12	54047351	54047351	+	6.597E-48	2.00127E-45	0.379586	hyper	sig	chr12_54047351
chr1	1007058	1007058	+	6.617E-48	2.00649E-45	-0.28354	hypo	sig	chr1_1007058
chr8	66962102	66962102	+	6.813E-48	2.06511E-45	0.254693	hyper	sig	chr8_66962102
chr4	1.11E+08	110612727	+	6.84E-48	2.07246E-45	0.277749	hyper	sig	chr4_110612727
chr16	912849	912849	+	6.956E-48	2.10702E-45	0.244852	hyper	sig	chr16_912849
chr1	3067972	3067972	+	6.994E-48	2.11767E-45	0.234719	hyper	sig	chr1_3067972
chr2	74499409	74499409	+	7.002E-48	2.11933E-45	0.226576	hyper	sig	chr2_74499409
chr2	1.82E+08	181684023	+	7.02E-48	2.12388E-45	0.339663	hyper	sig	chr2_181684023
chr8	1.41E+08	141277186	+	7.081E-48	2.14171E-45	-0.31678	hypo	sig	chr8_141277186
chr10	1.33E+08	132794352	+	7.092E-48	2.14396E-45	-0.36438	hypo	sig	chr10_132794352
chr18	37567540	37567540	+	7.139E-48	2.15748E-45	0.357778	hyper	sig	chr18_37567540
chr5	1.39E+08	139393588	+	7.322E-48	2.21208E-45	0.345662	hyper	sig	chr5_139393588
chr3	1.47E+08	147391140	+	7.367E-48	2.22473E-45	0.318072	hyper	sig	chr3_147391140
chr18	6929791	6929791	+	7.562E-48	2.2828E-45	-0.38195	hypo	sig	chr18_6929791
chr7	1513557	1513557	+	7.567E-48	2.28348E-45	-0.36105	hypo	sig	chr7_1513557
chr4	1.64E+08	164383297	+	7.787E-48	2.34897E-45	0.33871	hyper	sig	chr4_164383297
chr12	85273838	85273838	+	7.868E-48	2.37252E-45	0.320398	hyper	sig	chr12_85273838

chr2	2.32E+08	232387126	+	7.944E-48	2.39457E-45	0.305303	hyper	sig	chr2_232387126
chr16	56190930	56190930	+	8.028E-48	2.41883E-45	0.314374	hyper	sig	chr16_56190930
chr7	1.59E+08	159144004	+	8.039E-48	2.42144E-45	0.318083	hyper	sig	chr7_159144004
chr10	1.01E+08	101227730	+	8.066E-48	2.42847E-45	0.299028	hyper	sig	chr10_101227730
chr8	22154166	22154166	+	8.155E-48	2.4546E-45	-0.3305	hypo	sig	chr8_22154166
chr1	2.28E+08	228464714	+	8.191E-48	2.46455E-45	0.306003	hyper	sig	chr1_228464714
chr12	85273825	85273825	+	8.39E-48	2.52339E-45	0.344167	hyper	sig	chr12_85273825
chr5	19988091	19988091	+	8.5E-48	2.55536E-45	0.330235	hyper	sig	chr5_19988091
chr4	1.47E+08	146640569	+	8.529E-48	2.5634E-45	0.31128	hyper	sig	chr4_146640569
chr7	1.5E+08	150220059	+	8.533E-48	2.5635E-45	0.370316	hyper	sig	chr7_150220059
chr8	88327910	88327910	+	8.559E-48	2.57031E-45	0.302694	hyper	sig	chr8_88327910
chr12	54047218	54047218	+	8.57E-48	2.57264E-45	0.426982	hyper	sig	chr12_54047218
chr19	21463602	21463602	+	8.598E-48	2.58019E-45	0.345565	hyper	sig	chr19_21463602
chr4	1.55E+08	154742194	+	8.623E-48	2.58677E-45	0.311165	hyper	sig	chr4_154742194
chr3	1.47E+08	147388774	+	8.648E-48	2.59322E-45	0.308046	hyper	sig	chr3_147388774
chr1	3275005	3275005	+	8.723E-48	2.61469E-45	-0.3427	hypo	sig	chr1_3275005
chr1	94540840	94540840	+	8.861E-48	2.65504E-45	-0.36234	hypo	sig	chr1_94540840
chr14	41608502	41608502	+	8.879E-48	2.65957E-45	0.315707	hyper	sig	chr14_41608502
chr12	54054037	54054037	+	8.932E-48	2.67455E-45	0.364346	hyper	sig	chr12_54054037
chr3	1.58E+08	158095835	+	8.967E-48	2.68386E-45	0.385678	hyper	sig	chr3_158095835
chr5	1.19E+08	119355249	+	9.067E-48	2.71295E-45	-0.38144	hypo	sig	chr5_119355249
chr11	1.29E+08	128876339	+	9.148E-48	2.73615E-45	-0.31909	hypo	sig	chr11_128876339
chr16	88409749	88409749	+	9.389E-48	2.80716E-45	-0.33928	hypo	sig	chr16_88409749
chr4	1.33E+08	133148190	+	9.398E-48	2.80872E-45	0.293776	hyper	sig	chr4_133148190
chr5	1877806	1877806	+	9.401E-48	2.80872E-45	0.319599	hyper	sig	chr5_1877806
chr17	78140943	78140943	+	9.451E-48	2.82261E-45	-0.40436	hypo	sig	chr17_78140943
chr2	1E+08	100391790	+	9.457E-48	2.82322E-45	-0.30938	hypo	sig	chr2_100391790
chr3	1.7E+08	169822371	+	9.57E-48	2.85611E-45	-0.52775	hypo	sig	chr3_169822371
chr5	1.41E+08	141485057	+	9.663E-48	2.88283E-45	0.364667	hyper	sig	chr5_141485057
chr7	24284315	24284315	+	9.7E-48	2.89255E-45	0.338302	hyper	sig	chr7_24284315
chr3	1.58E+08	158095820	+	9.722E-48	2.89812E-45	0.405453	hyper	sig	chr3_158095820
chr2	20579508	20579508	+	9.809E-48	2.92228E-45	-0.33013	hypo	sig	chr2_20579508
chr2	1.19E+08	119432721	+	9.81E-48	2.92228E-45	-0.25399	hypo	sig	chr2_119432721
chr13	1.12E+08	112132459	+	9.919E-48	2.95359E-45	-0.3605	hypo	sig	chr13_112132459
chr13	27924744	27924744	+	9.978E-48	2.97016E-45	0.342896	hyper	sig	chr13_27924744
chr17	65538488	65538488	+	1.001E-47	2.97731E-45	-0.33553	hypo	sig	chr17_65538488
chr4	785692	785692	+	1.001E-47	2.97731E-45	0.371836	hyper	sig	chr4_785692
chr1	1007025	1007025	+	1.002E-47	2.97846E-45	-0.32252	hypo	sig	chr1_1007025
chr4	1.76E+08	176001628	+	1.003E-47	2.98126E-45	0.3521	hyper	sig	chr4_176001628
chr1	14599360	14599360	+	1.008E-47	2.9936E-45	0.328312	hyper	sig	chr1_14599360
chr3	1.47E+08	147412701	+	1.008E-47	2.9936E-45	0.375281	hyper	sig	chr3_147412701
chr13	57631924	57631924	+	1.013E-47	3.00684E-45	0.397311	hyper	sig	chr13_57631924
chr13	1.1E+08	110308159	+	1.018E-47	3.02065E-45	0.25349	hyper	sig	chr13_110308159
chr13	1.12E+08	112055191	+	1.035E-47	3.07015E-45	0.310818	hyper	sig	chr13_112055191
chr18	79785169	79785169	+	1.039E-47	3.08108E-45	-0.32397	hypo	sig	chr18_79785169
chr14	60511541	60511541	+	1.07E-47	3.17268E-45	0.302114	hyper	sig	chr14_60511541
chr7	2680771	2680771	+	1.082E-47	3.2058E-45	-0.35502	hypo	sig	chr7_2680771
chr6	10381531	10381531	+	1.088E-47	3.22251E-45	0.311473	hyper	sig	chr6_10381531
chr19	48414895	48414895	+	1.091E-47	3.23198E-45	0.466996	hyper	sig	chr19_48414895
chr10	1.01E+08	101134632	+	1.1E-47	3.25675E-45	0.209554	hyper	sig	chr10_101134632
chr19	55359035	55359035	+	1.104E-47	3.26719E-45	-0.34025	hypo	sig	chr19_55359035
chr16	3305411	3305411	+	1.109E-47	3.28209E-45	0.238686	hyper	sig	chr16_3305411
chr11	1.09E+08	109423507	+	1.116E-47	3.30142E-45	0.354452	hyper	sig	chr11_109423507
chr13	93227043	93227043	+	1.153E-47	3.40821E-45	0.35004	hyper	sig	chr13_93227043
chr10	1.16E+08	116272569	+	1.161E-47	3.43146E-45	0.274587	hyper	sig	chr10_116272569
chr19	22634251	22634251	+	1.179E-47	3.48207E-45	0.31565	hyper	sig	chr19_22634251

chr17	83048621	83048621	+	1.2E-47	3.54244E-45	-0.31981	hypo	sig	chr17_83048621
chr6	1.01E+08	101399029	+	1.232E-47	3.63686E-45	0.300083	hyper	sig	chr6_101399029
chr2	63055634	63055634	+	1.246E-47	3.6766E-45	0.261795	hyper	sig	chr2_63055634
chr14	1.01E+08	101044007	+	1.254E-47	3.69935E-45	-0.29233	hypo	sig	chr14_101044007
chr3	1.58E+08	158094932	+	1.256E-47	3.70468E-45	0.349646	hyper	sig	chr3_158094932
chr4	5893361	5893361	+	1.287E-47	3.79259E-45	0.375477	hyper	sig	chr4_5893361
chr14	1.01E+08	100691641	+	1.294E-47	3.81276E-45	-0.33332	hypo	sig	chr14_100691641
chr21	30425614	30425614	+	1.301E-47	3.83083E-45	-0.33776	hypo	sig	chr21_30425614
chr5	54883791	54883791	+	1.306E-47	3.8438E-45	0.28033	hyper	sig	chr5_54883791
chr7	54541904	54541904	+	1.325E-47	3.89958E-45	0.334366	hyper	sig	chr7_54541904
chr19	56368204	56368204	+	1.34E-47	3.94344E-45	0.386158	hyper	sig	chr19_56368204
chr17	81400865	81400865	+	1.345E-47	3.95461E-45	0.317421	hyper	sig	chr17_81400865
chr4	1.74E+08	173531344	+	1.367E-47	4.0185E-45	0.285326	hyper	sig	chr4_173531344
chr13	27927014	27927014	+	1.37E-47	4.02737E-45	0.28243	hyper	sig	chr13_27927014
chr4	65669455	65669455	+	1.4E-47	4.11428E-45	0.33094	hyper	sig	chr4_65669455
chr4	1.47E+08	146639012	+	1.402E-47	4.11692E-45	0.360787	hyper	sig	chr4_146639012
chr5	1.71E+08	171316972	+	1.456E-47	4.27527E-45	0.326839	hyper	sig	chr5_171316972
chr17	79185462	79185462	+	1.493E-47	4.38152E-45	-0.37147	hypo	sig	chr17_79185462
chr6	7468615	7468615	+	1.507E-47	4.42211E-45	-0.45915	hypo	sig	chr6_7468615
chr5	33936647	33936647	+	1.519E-47	4.45584E-45	0.36848	hyper	sig	chr5_33936647
chr5	1.78E+08	178449829	+	1.521E-47	4.45782E-45	-0.33545	hypo	sig	chr5_178449829
chr21	26966983	26966983	+	1.555E-47	4.55812E-45	0.385286	hyper	sig	chr21_26966983
chr14	1.01E+08	100691635	+	1.561E-47	4.57361E-45	-0.32507	hypo	sig	chr14_100691635
chr16	89085444	89085444	+	1.584E-47	4.63928E-45	-0.34279	hypo	sig	chr16_89085444
chr8	1.43E+08	143155125	+	1.586E-47	4.64253E-45	-0.2708	hypo	sig	chr8_143155125
chr14	62117882	62117882	+	1.605E-47	4.69594E-45	0.31295	hyper	sig	chr14_62117882
chr7	1.58E+08	157851491	+	1.641E-47	4.79782E-45	-0.31047	hypo	sig	chr7_157851491
chr17	78853006	78853006	+	1.658E-47	4.84539E-45	-0.32183	hypo	sig	chr17_78853006
chr21	26967123	26967123	+	1.659E-47	4.84674E-45	0.322144	hyper	sig	chr21_26967123
chr10	1.33E+08	132817644	+	1.659E-47	4.84729E-45	-0.314	hypo	sig	chr10_132817644
chr1	75134711	75134711	+	1.677E-47	4.89544E-45	0.296531	hyper	sig	chr1_75134711
chr13	27924778	27924778	+	1.7E-47	4.96104E-45	0.336301	hyper	sig	chr13_27924778
chr19	58059180	58059180	+	1.754E-47	5.1187E-45	0.408075	hyper	sig	chr19_58059180
chr21	26966999	26966999	+	1.77E-47	5.16362E-45	0.35252	hyper	sig	chr21_26966999
chr4	13528647	13528647	+	1.772E-47	5.168E-45	0.344372	hyper	sig	chr4_13528647
chr14	36583481	36583481	+	1.781E-47	5.19183E-45	0.295661	hyper	sig	chr14_36583481
chr16	614801	614801	+	1.788E-47	5.20959E-45	0.278251	hyper	sig	chr16_614801
chr7	1.01E+08	100865794	+	1.8E-47	5.24135E-45	-0.41179	hypo	sig	chr7_100865794
chr8	11704020	11704020	+	1.8E-47	5.24135E-45	0.225808	hyper	sig	chr8_11704020
chr8	49910613	49910613	+	1.805E-47	5.25419E-45	0.302566	hyper	sig	chr8_49910613
chr13	78596232	78596232	+	1.807E-47	5.25819E-45	0.270634	hyper	sig	chr13_78596232
chr14	85532034	85532034	+	1.81E-47	5.26413E-45	0.38698	hyper	sig	chr14_85532034
chr12	1.32E+08	132261027	+	1.83E-47	5.32161E-45	-0.3549	hypo	sig	chr12_132261027
chr17	78140907	78140907	+	1.87E-47	5.43461E-45	-0.35163	hypo	sig	chr17_78140907
chr8	22737873	22737873	+	1.877E-47	5.45341E-45	-0.33508	hypo	sig	chr8_22737873
chr7	97020975	97020975	+	1.932E-47	5.61017E-45	0.317819	hyper	sig	chr7_97020975
chr6	75205039	75205039	+	1.933E-47	5.61056E-45	0.265657	hyper	sig	chr6_75205039
chr2	94735643	94735643	+	1.946E-47	5.64717E-45	0.367284	hyper	sig	chr2_94735643
chr18	12253860	12253860	+	1.977E-47	5.73436E-45	0.265015	hyper	sig	chr18_12253860
chr13	78595980	78595980	+	2.01E-47	5.82779E-45	0.332309	hyper	sig	chr13_78595980
chr6	39323101	39323101	+	2.04E-47	5.91323E-45	-0.36091	hypo	sig	chr6_39323101
chr7	1.37E+08	136868981	+	2.046E-47	5.92801E-45	0.366917	hyper	sig	chr7_136868981
chr13	1.14E+08	114143934	+	2.056E-47	5.95288E-45	-0.31176	hypo	sig	chr13_114143934
chr5	1.41E+08	141485045	+	2.073E-47	6.00067E-45	0.372871	hyper	sig	chr5_141485045
chr2	1.82E+08	181684592	+	2.074E-47	6.00187E-45	0.41194	hyper	sig	chr2_181684592
chr5	3597259	3597259	+	2.079E-47	6.0139E-45	0.390837	hyper	sig	chr5_3597259

chr2	66432975	66432975	+	2.082E-47	6.02044E-45	0.255614	hyper	sig	chr2_66432975
chr11	92224390	92224390	+	2.102E-47	6.0777E-45	0.235145	hyper	sig	chr11_92224390
chr12	1.13E+08	113479617	+	2.119E-47	6.12467E-45	0.334778	hyper	sig	chr12_113479617
chr5	1.71E+08	171308300	+	2.144E-47	6.1946E-45	0.288649	hyper	sig	chr5_171308300
chr3	1.94E+08	194255641	+	2.204E-47	6.36559E-45	-0.33659	hypo	sig	chr3_194255641
chr16	62036203	62036203	+	2.225E-47	6.42153E-45	0.315729	hyper	sig	chr16_62036203
chr12	54029782	54029782	+	2.231E-47	6.43648E-45	0.308055	hyper	sig	chr12_54029782
chr12	1.24E+08	123931822	+	2.252E-47	6.49695E-45	-0.34285	hypo	sig	chr12_123931822
chr6	1.68E+08	167678492	+	2.305E-47	6.64736E-45	0.320433	hyper	sig	chr6_167678492
chr16	89202501	89202501	+	2.309E-47	6.65573E-45	0.313261	hyper	sig	chr16_89202501
chr5	1973674	1973674	+	2.32E-47	6.68469E-45	-0.2956	hypo	sig	chr5_1973674
chr4	1.11E+08	110628758	+	2.331E-47	6.71395E-45	0.336284	hyper	sig	chr4_110628758
chr1	1.77E+08	177170990	+	2.336E-47	6.72614E-45	0.222967	hyper	sig	chr1_177170990
chr16	67163752	67163752	+	2.338E-47	6.72991E-45	0.344535	hyper	sig	chr16_67163752
chr4	1.25E+08	125317758	+	2.343E-47	6.74321E-45	0.296055	hyper	sig	chr4_125317758
chr5	1.75E+08	174732344	+	2.355E-47	6.77482E-45	0.430028	hyper	sig	chr5_174732344
chr2	1.19E+08	118857914	+	2.394E-47	6.88266E-45	0.320867	hyper	sig	chr2_118857914
chr10	3287681	3287681	+	2.397E-47	6.89041E-45	-0.3127	hypo	sig	chr10_3287681
chr7	1.58E+08	158238093	+	2.41E-47	6.92488E-45	-0.39787	hypo	sig	chr7_158238093
chr2	1.6E+08	160271701	+	2.418E-47	6.94559E-45	-0.36026	hypo	sig	chr2_160271701
chr13	78607258	78607258	+	2.427E-47	6.96756E-45	0.341545	hyper	sig	chr13_78607258
chr13	1.14E+08	114065929	+	2.43E-47	6.9757E-45	-0.33323	hypo	sig	chr13_114065929
chr16	1288391	1288391	+	2.432E-47	6.97739E-45	-0.31022	hypo	sig	chr16_1288391
chr12	66234120	66234120	+	2.462E-47	7.06064E-45	-0.38975	hypo	sig	chr12_66234120
chr7	54544652	54544652	+	2.493E-47	7.14811E-45	0.363284	hyper	sig	chr7_54544652
chr1	1.21E+08	121118392	+	2.505E-47	7.18067E-45	0.350717	hyper	sig	chr1_121118392
chr7	92608829	92608829	+	2.514E-47	7.20427E-45	-0.34958	hypo	sig	chr7_92608829
chr5	33936467	33936467	+	2.521E-47	7.22099E-45	0.325045	hyper	sig	chr5_33936467
chr11	47337705	47337705	+	2.529E-47	7.2403E-45	-0.31026	hypo	sig	chr11_47337705
chr19	57191967	57191967	+	2.543E-47	7.27758E-45	0.204175	hyper	sig	chr19_57191967
chr1	3650728	3650728	+	2.545E-47	7.2804E-45	0.330756	hyper	sig	chr1_3650728
chr2	2.35E+08	235027969	+	2.546E-47	7.28314E-45	-0.38605	hypo	sig	chr2_235027969
chr11	64223103	64223103	+	2.548E-47	7.28551E-45	-0.27899	hypo	sig	chr11_64223103
chr3	1.47E+08	147407978	+	2.551E-47	7.2915E-45	0.330165	hyper	sig	chr3_147407978
chr3	1.47E+08	147411432	+	2.572E-47	7.34824E-45	0.291102	hyper	sig	chr3_147411432
chr8	71843578	71843578	+	2.591E-47	7.40167E-45	0.299926	hyper	sig	chr8_71843578
chr1	44721958	44721958	+	2.616E-47	7.47051E-45	-0.3296	hypo	sig	chr1_44721958
chr9	1.36E+08	136356357	+	2.619E-47	7.47522E-45	-0.35893	hypo	sig	chr9_136356357
chr6	1.5E+08	149965105	+	2.636E-47	7.52159E-45	0.346735	hyper	sig	chr6_149965105
chr2	2.33E+08	233060553	+	2.647E-47	7.5495E-45	-0.34626	hypo	sig	chr2_233060553
chr8	24914757	24914757	+	2.72E-47	7.75481E-45	0.309942	hyper	sig	chr8_24914757
chr12	1.24E+08	123931585	+	2.759E-47	7.86441E-45	-0.26252	hypo	sig	chr12_123931585
chr17	81400759	81400759	+	2.801E-47	7.98093E-45	0.293497	hyper	sig	chr17_81400759
chr7	19117620	19117620	+	2.849E-47	8.11408E-45	0.272016	hyper	sig	chr7_19117620
chr2	53860152	53860152	+	2.878E-47	8.19529E-45	0.471065	hyper	sig	chr2_53860152
chr9	98253909	98253909	+	2.922E-47	8.31727E-45	-0.34017	hypo	sig	chr9_98253909
chr13	98444111	98444111	+	2.924E-47	8.31891E-45	-0.39781	hypo	sig	chr13_98444111
chr7	1.5E+08	150220081	+	2.929E-47	8.33197E-45	0.33008	hyper	sig	chr7_150220081
chr19	58440535	58440535	+	2.953E-47	8.39689E-45	0.34854	hyper	sig	chr19_58440535
chr13	1.12E+08	112055214	+	2.975E-47	8.45586E-45	0.316856	hyper	sig	chr13_112055214
chr8	11982350	11982350	+	3.017E-47	8.57235E-45	-0.34727	hypo	sig	chr8_11982350
chr7	8443634	8443634	+	3.02E-47	8.57594E-45	0.38596	hyper	sig	chr7_8443634
chr19	36916121	36916121	+	3.092E-47	8.7794E-45	0.253943	hyper	sig	chr19_36916121
chr7	1.58E+08	158238009	+	3.13E-47	8.88334E-45	-0.34446	hypo	sig	chr7_158238009
chr10	1.33E+08	133229988	+	3.193E-47	9.05941E-45	0.295272	hyper	sig	chr10_133229988
chr12	54029744	54029744	+	3.248E-47	9.21237E-45	0.294854	hyper	sig	chr12_54029744

chr16	89817663	89817663	+	3.282E-47	9.30587E-45	-0.29744	hypo	sig	chr16_89817663
chr8	26865358	26865358	+	3.323E-47	9.4172E-45	0.327213	hyper	sig	chr8_26865358
chr7	8444070	8444070	+	3.356E-47	9.50746E-45	0.400259	hyper	sig	chr7_8444070
chr16	66570284	66570284	+	3.373E-47	9.55415E-45	-0.375	hypo	sig	chr16_66570284
chr5	1.41E+08	141484982	+	3.392E-47	9.6026E-45	0.325153	hyper	sig	chr5_141484982
chr1	3651082	3651082	+	3.584E-47	1.01438E-44	0.356971	hyper	sig	chr1_3651082
chr4	1.33E+08	133149234	+	3.619E-47	1.02383E-44	0.329104	hyper	sig	chr4_133149234
chr6	50849720	50849720	+	3.634E-47	1.02794E-44	0.28576	hyper	sig	chr6_50849720
chr14	96592535	96592535	+	3.656E-47	1.0336E-44	0.249327	hyper	sig	chr14_96592535
chr5	1.6E+08	160280626	+	3.657E-47	1.0336E-44	-0.4358	hypo	sig	chr5_160280626
chr4	1.47E+08	146638992	+	3.693E-47	1.04336E-44	0.361704	hyper	sig	chr4_146638992
chr7	1.51E+08	151403959	+	3.792E-47	1.07104E-44	-0.30825	hypo	sig	chr7_151403959
chr8	84182511	84182511	+	3.852E-47	1.0877E-44	0.303142	hyper	sig	chr8_84182511
chr12	53973158	53973158	+	3.893E-47	1.09881E-44	0.373984	hyper	sig	chr12_53973158
chr22	50485534	50485534	+	3.92E-47	1.10597E-44	-0.3118	hypo	sig	chr22_50485534
chr19	58059195	58059195	+	3.964E-47	1.11815E-44	0.434943	hyper	sig	chr19_58059195
chr14	36667061	36667061	+	4.002E-47	1.12841E-44	0.313062	hyper	sig	chr14_36667061
chr14	26597428	26597428	+	4.044E-47	1.13981E-44	0.313403	hyper	sig	chr14_26597428
chr16	51151566	51151566	+	4.067E-47	1.146E-44	0.293358	hyper	sig	chr16_51151566
chr12	54047712	54047712	+	4.095E-47	1.15347E-44	0.384028	hyper	sig	chr12_54047712
chr13	87674663	87674663	+	4.119E-47	1.15968E-44	0.357291	hyper	sig	chr13_87674663
chr11	504895	504895	+	4.15E-47	1.16803E-44	0.351799	hyper	sig	chr11_504895
chr14	85532256	85532256	+	4.18E-47	1.17615E-44	0.345428	hyper	sig	chr14_85532256
chr3	35640132	35640132	+	4.256E-47	1.19704E-44	0.339899	hyper	sig	chr3_35640132
chr19	36916139	36916139	+	4.29E-47	1.2061E-44	0.239445	hyper	sig	chr19_36916139
chr2	1.2E+08	120465945	+	4.341E-47	1.22E-44	-0.43738	hypo	sig	chr2_120465945
chr16	89817738	89817738	+	4.344E-47	1.22058E-44	-0.33569	hypo	sig	chr16_89817738
chr2	74499902	74499902	+	4.349E-47	1.22157E-44	0.305565	hyper	sig	chr2_74499902
chr11	1.09E+08	109423442	+	4.362E-47	1.22474E-44	0.314817	hyper	sig	chr11_109423442
chr10	1.33E+08	133229975	+	4.419E-47	1.2402E-44	0.248759	hyper	sig	chr10_133229975
chr3	44022141	44022141	+	4.448E-47	1.248E-44	0.31154	hyper	sig	chr3_44022141
chr10	26218470	26218470	+	4.457E-47	1.25011E-44	0.340179	hyper	sig	chr10_26218470
chr13	1.11E+08	110506764	+	4.471E-47	1.25348E-44	-0.33964	hypo	sig	chr13_110506764
chr3	1.29E+08	128507055	+	4.496E-47	1.26005E-44	-0.28338	hypo	sig	chr3_128507055
chr1	2378653	2378653	+	4.541E-47	1.27233E-44	-0.29937	hypo	sig	chr1_2378653
chr10	26217822	26217822	+	4.554E-47	1.27552E-44	0.342029	hyper	sig	chr10_26217822
chr13	37869925	37869925	+	4.606E-47	1.28962E-44	0.363636	hyper	sig	chr13_37869925
chr1	1.19E+08	119000531	+	4.641E-47	1.29913E-44	0.342914	hyper	sig	chr1_119000531
chr12	1.32E+08	132476345	+	4.715E-47	1.3193E-44	-0.33829	hypo	sig	chr12_132476345
chr5	1.41E+08	141478531	+	4.728E-47	1.32237E-44	0.340052	hyper	sig	chr5_141478531
chr16	67163306	67163306	+	4.799E-47	1.34196E-44	0.30884	hyper	sig	chr16_67163306
chr2	1.19E+08	118859249	+	4.819E-47	1.34697E-44	0.287626	hyper	sig	chr2_118859249
chr22	41699343	41699343	+	4.826E-47	1.3484E-44	0.324363	hyper	sig	chr22_41699343
chr3	1.96E+08	196180164	+	4.834E-47	1.35016E-44	-0.34706	hypo	sig	chr3_196180164
chr13	1.12E+08	112055236	+	4.873E-47	1.36057E-44	0.329503	hyper	sig	chr13_112055236
chr4	1.33E+08	133148149	+	4.89E-47	1.36508E-44	0.266865	hyper	sig	chr4_133148149
chr7	1.43E+08	142797219	+	4.953E-47	1.38204E-44	0.264978	hyper	sig	chr7_142797219
chr1	1210226	1210226	+	4.977E-47	1.38832E-44	-0.32386	hypo	sig	chr1_1210226
chr2	2.39E+08	239098432	+	4.979E-47	1.38843E-44	-0.32994	hypo	sig	chr2_239098432
chr11	1113895	1113895	+	5.055E-47	1.40898E-44	-0.32821	hypo	sig	chr11_1113895
chr8	24914754	24914754	+	5.065E-47	1.41142E-44	0.309376	hyper	sig	chr8_24914754
chr9	37026764	37026764	+	5.079E-47	1.41468E-44	0.378986	hyper	sig	chr9_37026764
chr16	85485239	85485239	+	5.09E-47	1.41743E-44	-0.30665	hypo	sig	chr16_85485239
chr12	54047710	54047710	+	5.105E-47	1.42111E-44	0.386835	hyper	sig	chr12_54047710
chr11	504933	504933	+	5.109E-47	1.42178E-44	0.325772	hyper	sig	chr11_504933
chr8	1.44E+08	144046786	+	5.215E-47	1.4506E-44	-0.37257	hypo	sig	chr8_144046786

chr19	19534836	19534836	+	5.269E-47	1.46523E-44	-0.35518	hypo	sig	chr19_19534836
chr4	80266007	80266007	+	5.402E-47	1.50173E-44	0.299424	hyper	sig	chr4_80266007
chr4	8191670	8191670	+	5.406E-47	1.50228E-44	-0.32999	hypo	sig	chr4_8191670
chr13	27927726	27927726	+	5.423E-47	1.50658E-44	0.360198	hyper	sig	chr13_27927726
chr1	3743092	3743092	+	5.459E-47	1.51604E-44	-0.32044	hypo	sig	chr1_3743092
chr10	1173468	1173468	+	5.483E-47	1.5222E-44	-0.34962	hypo	sig	chr10_1173468
chr1	2.47E+08	246788927	+	5.486E-47	1.52242E-44	0.309657	hyper	sig	chr1_246788927
chr18	78981157	78981157	+	5.509E-47	1.52826E-44	0.336533	hyper	sig	chr18_78981157
chr3	26623264	26623264	+	5.517E-47	1.53009E-44	0.34329	hyper	sig	chr3_26623264
chr7	1.51E+08	151395183	+	5.526E-47	1.53195E-44	-0.31086	hypo	sig	chr7_151395183
chr1	6385744	6385744	+	5.558E-47	1.54016E-44	-0.357	hypo	sig	chr1_6385744
chr16	1288386	1288386	+	5.565E-47	1.54165E-44	-0.29929	hypo	sig	chr16_1288386
chr17	83063580	83063580	+	5.589E-47	1.54772E-44	-0.3028	hypo	sig	chr17_83063580
chr5	1.16E+08	115816807	+	5.596E-47	1.54914E-44	0.343568	hyper	sig	chr5_115816807
chr4	1.11E+08	110632010	+	5.712E-47	1.58072E-44	0.2328	hyper	sig	chr4_110632010
chr7	1.55E+08	155462441	+	5.737E-47	1.5872E-44	0.3245	hyper	sig	chr7_155462441
chr5	3197878	3197878	+	5.745E-47	1.58892E-44	0.388153	hyper	sig	chr5_3197878
chr17	17562047	17562047	+	5.847E-47	1.6165E-44	-0.34596	hypo	sig	chr17_17562047
chr11	1.29E+08	128824295	+	6.012E-47	1.66089E-44	0.347546	hyper	sig	chr11_128824295
chr12	1.3E+08	130042291	+	6.012E-47	1.66089E-44	0.28714	hyper	sig	chr12_130042291
chr19	3344253	3344253	+	6.142E-47	1.69634E-44	-0.30038	hypo	sig	chr19_3344253
chr5	1.71E+08	171308233	+	6.204E-47	1.71278E-44	0.293465	hyper	sig	chr5_171308233
chr1	1.08E+08	107964755	+	6.217E-47	1.71597E-44	0.286614	hyper	sig	chr1_107964755
chr1	3274645	3274645	+	6.259E-47	1.72695E-44	-0.28941	hypo	sig	chr1_3274645
chr19	49133278	49133278	+	6.365E-47	1.75565E-44	0.395896	hyper	sig	chr19_49133278
chr1	1.19E+08	118990242	+	6.371E-47	1.75658E-44	0.285645	hyper	sig	chr1_118990242
chr6	1.01E+08	101399114	+	6.373E-47	1.75658E-44	0.330015	hyper	sig	chr6_101399114
chr11	94769371	94769371	+	6.396E-47	1.76217E-44	0.274815	hyper	sig	chr11_94769371
chr1	2.28E+08	228464701	+	6.555E-47	1.80552E-44	0.290469	hyper	sig	chr1_228464701
chr4	1.11E+08	110629732	+	6.563E-47	1.807E-44	0.340008	hyper	sig	chr4_110629732
chr6	1.6E+08	160350159	+	6.63E-47	1.82479E-44	-0.38317	hypo	sig	chr6_160350159
chr12	1.04E+08	104303446	+	6.646E-47	1.82872E-44	0.353776	hyper	sig	chr12_104303446
chr16	62036175	62036175	+	6.707E-47	1.84475E-44	0.299415	hyper	sig	chr16_62036175
chr17	16379140	16379140	+	7.034E-47	1.93424E-44	-0.30945	hypo	sig	chr17_16379140
chr5	1.71E+08	171316537	+	7.069E-47	1.94299E-44	0.307663	hyper	sig	chr5_171316537
chr10	3786761	3786761	+	7.076E-47	1.94445E-44	-0.33545	hypo	sig	chr10_3786761
chr10	1.01E+08	101134363	+	7.079E-47	1.94445E-44	0.258517	hyper	sig	chr10_101134363
chr5	1.35E+08	135028959	+	7.099E-47	1.94942E-44	0.379147	hyper	sig	chr5_135028959
chr17	45897553	45897553	+	7.147E-47	1.9618E-44	0.29527	hyper	sig	chr17_45897553
chr14	60511534	60511534	+	7.258E-47	1.99105E-44	0.315976	hyper	sig	chr14_60511534
chr6	6003005	6003005	+	7.257E-47	1.99105E-44	0.307304	hyper	sig	chr6_6003005
chr12	89349552	89349552	+	7.406E-47	2.03099E-44	-0.39177	hypo	sig	chr12_89349552
chr3	28575810	28575810	+	7.417E-47	2.03334E-44	0.315378	hyper	sig	chr3_28575810
chr2	29921302	29921302	+	7.445E-47	2.0402E-44	0.387931	hyper	sig	chr2_29921302
chr1	3274660	3274660	+	7.461E-47	2.04383E-44	-0.23925	hypo	sig	chr1_3274660
chr12	72273492	72273492	+	7.617E-47	2.08587E-44	0.292533	hyper	sig	chr12_72273492
chr11	1.33E+08	132994270	+	7.731E-47	2.11656E-44	0.258833	hyper	sig	chr11_132994270
chr16	23836254	23836254	+	7.787E-47	2.13115E-44	0.300238	hyper	sig	chr16_23836254
chr6	393197	393197	+	7.878E-47	2.15534E-44	0.287526	hyper	sig	chr6_393197
chr6	98825704	98825704	+	7.995E-47	2.1859E-44	0.304851	hyper	sig	chr6_98825704
chr7	27103026	27103026	+	7.993E-47	2.1859E-44	0.347409	hyper	sig	chr7_27103026
chr11	47337564	47337564	+	8.009E-47	2.18902E-44	-0.40055	hypo	sig	chr11_47337564
chr1	1.19E+08	119000651	+	8.099E-47	2.21286E-44	0.234904	hyper	sig	chr1_119000651
chr6	72623193	72623193	+	8.207E-47	2.24138E-44	0.291316	hyper	sig	chr6_72623193
chr10	1.01E+08	101134543	+	8.277E-47	2.25998E-44	0.246929	hyper	sig	chr10_101134543
chr3	10993306	10993306	+	8.344E-47	2.27745E-44	0.31126	hyper	sig	chr3_10993306

chr13	27926824	27926824	+	8.434E-47	2.30116E-44	0.352528	hyper	sig	chr13_27926824
chr13	27929385	27929385	+	8.539E-47	2.32906E-44	0.431038	hyper	sig	chr13_27929385
chr13	1.14E+08	114143946	+	8.56E-47	2.3341E-44	-0.33082	hypo	sig	chr13_114143946
chr12	1.32E+08	132132709	+	8.571E-47	2.33621E-44	-0.34922	hypo	sig	chr12_132132709
chr1	38064318	38064318	+	8.584E-47	2.33829E-44	-0.31917	hypo	sig	chr1_38064318
chr1	1.19E+08	118989566	+	8.582E-47	2.33829E-44	0.277543	hyper	sig	chr1_118989566
chr8	24914941	24914941	+	8.744E-47	2.38083E-44	0.270658	hyper	sig	chr8_24914941
chr15	83206915	83206915	+	9.159E-47	2.49306E-44	0.261605	hyper	sig	chr15_83206915
chr10	1.3E+08	129852477	+	9.164E-47	2.49371E-44	-0.32928	hypo	sig	chr10_129852477
chr17	17561835	17561835	+	9.246E-47	2.51516E-44	-0.35959	hypo	sig	chr17_17561835
chr15	28832438	28832438	+	9.294E-47	2.52735E-44	0.320741	hyper	sig	chr15_28832438
chr18	47248598	47248598	+	9.301E-47	2.52838E-44	0.317872	hyper	sig	chr18_47248598
chr19	21475177	21475177	+	9.356E-47	2.54251E-44	0.349534	hyper	sig	chr19_21475177
chr1	3651347	3651347	+	9.49E-47	2.57816E-44	0.287708	hyper	sig	chr1_3651347
chr7	98215598	98215598	+	9.565E-47	2.59744E-44	-0.25614	hypo	sig	chr7_98215598
chr15	89408821	89408821	+	9.579E-47	2.60041E-44	0.241727	hyper	sig	chr15_89408821
chr7	27106767	27106767	+	9.652E-47	2.61933E-44	0.31773	hyper	sig	chr7_27106767
chr22	19892329	19892329	+	9.76E-47	2.64776E-44	-0.31941	hypo	sig	chr22_19892329
chr15	90870006	90870006	+	9.913E-47	2.68844E-44	-0.40013	hypo	sig	chr15_90870006
chr10	1.33E+08	133259399	+	1.017E-46	2.75617E-44	-0.35235	hypo	sig	chr10_133259399
chr1	6385760	6385760	+	1.038E-46	2.81349E-44	-0.36141	hypo	sig	chr1_6385760
chr12	1.33E+08	132904902	+	1.052E-46	2.84985E-44	0.304746	hyper	sig	chr12_132904902
chr2	1.28E+08	127644864	+	1.052E-46	2.84985E-44	-0.29339	hypo	sig	chr2_127644864
chr19	58059064	58059064	+	1.054E-46	2.85357E-44	0.363609	hyper	sig	chr19_58059064
chr16	918041	918041	+	1.061E-46	2.87286E-44	0.291766	hyper	sig	chr16_918041
chr17	48726845	48726845	+	1.066E-46	2.88465E-44	0.294339	hyper	sig	chr17_48726845
chr21	33026219	33026219	+	1.07E-46	2.89441E-44	0.317918	hyper	sig	chr21_33026219
chr20	21519372	21519372	+	1.071E-46	2.8967E-44	0.281262	hyper	sig	chr20_21519372
chr13	25046898	25046898	+	1.083E-46	2.9269E-44	0.378049	hyper	sig	chr13_25046898
chr3	49903015	49903015	+	1.086E-46	2.9339E-44	-0.37982	hypo	sig	chr3_49903015
chr5	1.46E+08	146342916	+	1.101E-46	2.97347E-44	0.331229	hyper	sig	chr5_146342916
chr13	1.13E+08	112995276	+	1.108E-46	2.99123E-44	-0.32343	hypo	sig	chr13_112995276
chr3	1.72E+08	172449737	+	1.11E-46	2.99509E-44	0.282733	hyper	sig	chr3_172449737
chr18	909135	909135	+	1.13E-46	3.04838E-44	0.368325	hyper	sig	chr18_909135
chr2	80302883	80302883	+	1.147E-46	3.09368E-44	0.269369	hyper	sig	chr2_80302883
chr4	1.64E+08	164383336	+	1.154E-46	3.1112E-44	0.333208	hyper	sig	chr4_164383336
chr6	401405	401405	+	1.177E-46	3.17245E-44	-0.27041	hypo	sig	chr6_401405
chr2	80302865	80302865	+	1.187E-46	3.20002E-44	0.301595	hyper	sig	chr2_80302865
chr19	36916153	36916153	+	1.221E-46	3.2888E-44	0.241667	hyper	sig	chr19_36916153
chr2	2.07E+08	206642439	+	1.235E-46	3.32546E-44	0.315499	hyper	sig	chr2_206642439
chr6	1.5E+08	149964679	+	1.25E-46	3.3659E-44	0.277519	hyper	sig	chr6_149964679
chr8	88327905	88327905	+	1.253E-46	3.37206E-44	0.292429	hyper	sig	chr8_88327905
chr14	36664080	36664080	+	1.256E-46	3.37933E-44	0.263923	hyper	sig	chr14_36664080
chr17	81524505	81524505	+	1.262E-46	3.39516E-44	-0.38798	hypo	sig	chr17_81524505
chr13	27924862	27924862	+	1.27E-46	3.41371E-44	0.388803	hyper	sig	chr13_27924862
chr3	49901288	49901288	+	1.285E-46	3.45489E-44	-0.30085	hypo	sig	chr3_49901288
chr12	1.24E+08	123913274	+	1.31E-46	3.51903E-44	-0.32393	hypo	sig	chr12_123913274
chr1	1.14E+08	114154240	+	1.345E-46	3.61349E-44	0.334694	hyper	sig	chr1_114154240
chr4	15787686	15787686	+	1.35E-46	3.6245E-44	-0.35706	hypo	sig	chr4_15787686
chr17	48722393	48722393	+	1.352E-46	3.63038E-44	0.257608	hyper	sig	chr17_48722393
chr9	1.36E+08	136356291	+	1.379E-46	3.70091E-44	-0.33174	hypo	sig	chr9_136356291
chr18	9912832	9912832	+	1.398E-46	3.74973E-44	-0.24908	hypo	sig	chr18_9912832
chr6	99609290	99609290	+	1.406E-46	3.76974E-44	0.366559	hyper	sig	chr6_99609290
chr15	60944877	60944877	+	1.411E-46	3.78183E-44	-0.35769	hypo	sig	chr15_60944877
chr1	3437843	3437843	+	1.442E-46	3.86396E-44	-0.314	hypo	sig	chr1_3437843
chr3	1.47E+08	147409792	+	1.451E-46	3.88782E-44	0.323386	hyper	sig	chr3_147409792

chr10	1.32E+08	132226844	+	1.468E-46	3.93061E-44	-0.2504	hypo	sig	chr10_132226844
chr2	1.19E+08	119432666	+	1.501E-46	4.01949E-44	-0.25493	hypo	sig	chr2_119432666
chr2	31580858	31580858	+	1.503E-46	4.0236E-44	0.327404	hyper	sig	chr2_31580858
chr16	85625364	85625364	+	1.505E-46	4.02713E-44	-0.25152	hypo	sig	chr16_85625364
chr1	3274642	3274642	+	1.523E-46	4.07214E-44	-0.29849	hypo	sig	chr1_3274642
chr11	200097	200097	+	1.524E-46	4.07566E-44	-0.31029	hypo	sig	chr11_200097
chr10	1.04E+08	103559319	+	1.535E-46	4.10269E-44	-0.32668	hypo	sig	chr10_103559319
chr7	1.5E+08	150220200	+	1.546E-46	4.12942E-44	0.42907	hyper	sig	chr7_150220200
chr8	84182672	84182672	+	1.568E-46	4.18676E-44	0.271556	hyper	sig	chr8_84182672
chr17	81941500	81941500	+	1.618E-46	4.31952E-44	-0.35294	hypo	sig	chr17_81941500
chr12	52007693	52007693	+	1.639E-46	4.37358E-44	0.295113	hyper	sig	chr12_52007693
chr12	95548093	95548093	+	1.639E-46	4.37358E-44	0.21777	hyper	sig	chr12_95548093
chr4	1.47E+08	146639003	+	1.684E-46	4.49263E-44	0.349543	hyper	sig	chr4_146639003
chr2	2.39E+08	239247152	+	1.7E-46	4.53293E-44	-0.36893	hypo	sig	chr2_239247152
chr1	1.47E+08	147078411	+	1.703E-46	4.54048E-44	0.325764	hyper	sig	chr1_147078411
chr19	52369766	52369766	+	1.739E-46	4.63446E-44	0.307163	hyper	sig	chr19_52369766
chr8	64587327	64587327	+	1.75E-46	4.66264E-44	0.36103	hyper	sig	chr8_64587327
chr6	30260376	30260376	+	1.775E-46	4.72714E-44	0.278555	hyper	sig	chr6_30260376
chr12	54029797	54029797	+	1.793E-46	4.77206E-44	0.316062	hyper	sig	chr12_54029797
chr7	97018064	97018064	+	1.801E-46	4.79401E-44	0.2994	hyper	sig	chr7_97018064
chr2	1E+08	100392114	+	1.809E-46	4.81217E-44	-0.35524	hypo	sig	chr2_100392114
chr3	198432	198432	+	1.813E-46	4.82244E-44	0.403824	hyper	sig	chr3_198432
chr11	45907290	45907290	+	1.816E-46	4.82742E-44	-0.32631	hypo	sig	chr11_45907290
chr17	58157545	58157545	+	1.821E-46	4.83903E-44	0.356366	hyper	sig	chr17_58157545
chr17	65553212	65553212	+	1.826E-46	4.85234E-44	-0.36813	hypo	sig	chr17_65553212
chr19	58059176	58059176	+	1.868E-46	4.9621E-44	0.4013	hyper	sig	chr19_58059176
chr15	1.01E+08	101158732	+	1.873E-46	4.9742E-44	0.331215	hyper	sig	chr15_101158732
chr9	1.35E+08	134501232	+	1.878E-46	4.98512E-44	0.300723	hyper	sig	chr9_134501232
chr12	1.32E+08	132261029	+	1.892E-46	5.02105E-44	-0.34509	hypo	sig	chr12_132261029
chr8	24914844	24914844	+	1.893E-46	5.02105E-44	0.296441	hyper	sig	chr8_24914844
chr5	3197894	3197894	+	1.897E-46	5.0293E-44	0.359918	hyper	sig	chr5_3197894
chr2	74499427	74499427	+	1.9E-46	5.03694E-44	0.205858	hyper	sig	chr2_74499427
chr12	53960817	53960817	+	1.946E-46	5.1552E-44	0.27926	hyper	sig	chr12_53960817
chr13	1.12E+08	112055226	+	1.946E-46	5.1552E-44	0.329893	hyper	sig	chr13_112055226
chr16	49278046	49278046	+	1.953E-46	5.17115E-44	0.356844	hyper	sig	chr16_49278046
chr16	89383640	89383640	+	1.969E-46	5.20825E-44	-0.33386	hypo	sig	chr16_89383640
chr2	44932807	44932807	+	1.968E-46	5.20825E-44	0.373965	hyper	sig	chr2_44932807
chr7	45921701	45921701	+	1.968E-46	5.20825E-44	0.297614	hyper	sig	chr7_45921701
chr20	21516835	21516835	+	2.045E-46	5.40977E-44	0.322152	hyper	sig	chr20_21516835
chr7	35186148	35186148	+	2.071E-46	5.47569E-44	0.231537	hyper	sig	chr7_35186148
chr15	83283978	83283978	+	2.073E-46	5.47987E-44	0.422181	hyper	sig	chr15_83283978
chr13	27792679	27792679	+	2.081E-46	5.49802E-44	0.327495	hyper	sig	chr13_27792679
chr7	1513567	1513567	+	2.112E-46	5.57964E-44	-0.32902	hypo	sig	chr7_1513567
chr13	1.02E+08	101917505	+	2.115E-46	5.58401E-44	0.306864	hyper	sig	chr13_101917505
chr15	45704478	45704478	+	2.121E-46	5.59936E-44	0.296078	hyper	sig	chr15_45704478
chr9	1.36E+08	136356373	+	2.15E-46	5.67367E-44	-0.35276	hypo	sig	chr9_136356373
chr1	1.19E+08	118989493	+	2.168E-46	5.71935E-44	0.310324	hyper	sig	chr1_118989493
chr2	44933277	44933277	+	2.179E-46	5.74561E-44	0.320409	hyper	sig	chr2_44933277
chr6	29553928	29553928	+	2.214E-46	5.83791E-44	0.323246	hyper	sig	chr6_29553928
chr16	1221126	1221126	+	2.231E-46	5.88055E-44	-0.41583	hypo	sig	chr16_1221126
chr6	393179	393179	+	2.253E-46	5.93465E-44	0.325075	hyper	sig	chr6_393179
chr9	1.3E+08	129620561	+	2.266E-46	5.96863E-44	0.472637	hyper	sig	chr9_129620561
chr2	1.19E+08	118833568	+	2.28E-46	6.003E-44	0.229287	hyper	sig	chr2_118833568
chr3	1.38E+08	137771980	+	2.305E-46	6.06752E-44	0.232789	hyper	sig	chr3_137771980
chr6	84764830	84764830	+	2.4E-46	6.31385E-44	0.254259	hyper	sig	chr6_84764830
chr13	1.14E+08	114048531	+	2.406E-46	6.3296E-44	-0.31061	hypo	sig	chr13_114048531

chr1	3651352	3651352	+	2.409E-46	6.33242E-44	0.288181	hyper	sig	chr1_3651352
chr1	50417722	50417722	+	2.409E-46	6.33242E-44	0.277993	hyper	sig	chr1_50417722
chr6	1.5E+08	149965130	+	2.423E-46	6.36659E-44	0.343574	hyper	sig	chr6_149965130
chr2	1.15E+08	115163188	+	2.428E-46	6.37729E-44	0.319011	hyper	sig	chr2_115163188
chr14	85530574	85530574	+	2.45E-46	6.43047E-44	0.38594	hyper	sig	chr14_85530574
chr20	21509232	21509232	+	2.45E-46	6.43047E-44	0.346024	hyper	sig	chr20_21509232
chr3	79767836	79767836	+	2.449E-46	6.43047E-44	0.343424	hyper	sig	chr3_79767836
chr17	49953440	49953440	+	2.522E-46	6.61659E-44	-0.3197	hypo	sig	chr17_49953440
chr13	87674454	87674454	+	2.563E-46	6.72049E-44	0.307327	hyper	sig	chr13_87674454
chr4	65669483	65669483	+	2.578E-46	6.75889E-44	0.312446	hyper	sig	chr4_65669483
chr1	6276459	6276459	+	2.611E-46	6.84444E-44	0.315108	hyper	sig	chr1_6276459
chr16	85485295	85485295	+	2.62E-46	6.86405E-44	-0.34525	hypo	sig	chr16_85485295
chr10	7408537	7408537	+	2.759E-46	7.22534E-44	0.386469	hyper	sig	chr10_7408537
chr4	1.07E+08	107035952	+	2.769E-46	7.24907E-44	0.385977	hyper	sig	chr4_107035952
chr1	2334992	2334992	+	2.801E-46	7.33143E-44	-0.30141	hypo	sig	chr1_2334992
chr4	1.22E+08	121765374	+	2.859E-46	7.48238E-44	0.32237	hyper	sig	chr4_121765374
chr19	36916221	36916221	+	2.869E-46	7.50549E-44	0.29377	hyper	sig	chr19_36916221
chr6	71420909	71420909	+	2.879E-46	7.52827E-44	0.358577	hyper	sig	chr6_71420909
chr13	78595720	78595720	+	2.893E-46	7.56351E-44	0.308206	hyper	sig	chr13_78595720
chr2	1691585	1691585	+	2.899E-46	7.57576E-44	-0.3466	hypo	sig	chr2_1691585
chr20	56925475	56925475	+	2.929E-46	7.65287E-44	0.276545	hyper	sig	chr20_56925475
chr15	26774132	26774132	+	2.946E-46	7.69453E-44	0.269468	hyper	sig	chr15_26774132
chr4	3766831	3766831	+	3.009E-46	7.85606E-44	0.304961	hyper	sig	chr4_3766831
chr16	85642937	85642937	+	3.023E-46	7.8877E-44	-0.33143	hypo	sig	chr16_85642937
chr3	49686158	49686158	+	3.023E-46	7.8877E-44	0.28901	hyper	sig	chr3_49686158
chr12	1.15E+08	114681001	+	3.026E-46	7.89393E-44	-0.29708	hypo	sig	chr12_114681001
chr6	62285638	62285638	+	3.051E-46	7.95472E-44	0.394255	hyper	sig	chr6_62285638
chr16	56190939	56190939	+	3.094E-46	8.06511E-44	0.307664	hyper	sig	chr16_56190939
chr6	27680623	27680623	+	3.097E-46	8.07E-44	0.345254	hyper	sig	chr6_27680623
chr2	74499357	74499357	+	3.11E-46	8.10105E-44	0.234361	hyper	sig	chr2_74499357
chr18	6929718	6929718	+	3.163E-46	8.23728E-44	-0.41346	hypo	sig	chr18_6929718
chr16	62036161	62036161	+	3.183E-46	8.28731E-44	0.300862	hyper	sig	chr16_62036161
chr11	1075662	1075662	+	3.187E-46	8.29419E-44	-0.39771	hypo	sig	chr11_1075662
chr16	67163607	67163607	+	3.231E-46	8.4064E-44	0.432833	hyper	sig	chr16_67163607
chr12	1.33E+08	132904896	+	3.255E-46	8.46495E-44	0.304245	hyper	sig	chr12_132904896
chr13	93228348	93228348	+	3.257E-46	8.46779E-44	0.350756	hyper	sig	chr13_93228348
chr3	1.8E+08	180036486	+	3.261E-46	8.47663E-44	0.340176	hyper	sig	chr3_180036486
chr2	1.19E+08	118841987	+	3.269E-46	8.49332E-44	0.264322	hyper	sig	chr2_118841987
chr13	93228589	93228589	+	3.323E-46	8.63116E-44	0.273397	hyper	sig	chr13_93228589
chr16	85643300	85643300	+	3.334E-46	8.65654E-44	-0.35817	hypo	sig	chr16_85643300
chr13	42562797	42562797	+	3.348E-46	8.68876E-44	-0.3889	hypo	sig	chr13_42562797
chr13	25171850	25171850	+	3.378E-46	8.7618E-44	0.2958	hyper	sig	chr13_25171850
chr1	2496715	2496715	+	3.407E-46	8.83569E-44	-0.3748	hypo	sig	chr1_2496715
chr1	1.08E+08	107965951	+	3.434E-46	8.90047E-44	0.269795	hyper	sig	chr1_107965951
chr19	48414887	48414887	+	3.434E-46	8.90047E-44	0.454397	hyper	sig	chr19_48414887
chr6	436684	436684	+	3.49E-46	9.04176E-44	-0.31048	hypo	sig	chr6_436684
chr16	85483765	85483765	+	3.507E-46	9.08279E-44	-0.26159	hypo	sig	chr16_85483765
chr2	2.31E+08	231394942	+	3.529E-46	9.13801E-44	0.298787	hyper	sig	chr2_231394942
chr4	1.55E+08	155211513	+	3.569E-46	9.23673E-44	-0.41628	hypo	sig	chr4_155211513
chr4	3766929	3766929	+	3.583E-46	9.27069E-44	0.290091	hyper	sig	chr4_3766929
chr8	24915745	24915745	+	3.596E-46	9.30256E-44	0.316043	hyper	sig	chr8_24915745
chr7	1.57E+08	157003195	+	3.628E-46	9.38233E-44	0.379762	hyper	sig	chr7_157003195
chr16	85286253	85286253	+	3.645E-46	9.42367E-44	-0.31399	hypo	sig	chr16_85286253
chr21	44994673	44994673	+	3.651E-46	9.43576E-44	-0.28088	hypo	sig	chr21_44994673
chr6	10381563	10381563	+	3.692E-46	9.53721E-44	0.320362	hyper	sig	chr6_10381563
chr4	1.09E+08	109302184	+	3.749E-46	9.68212E-44	0.311364	hyper	sig	chr4_109302184

chr13	67230235	67230235	+	3.791E-46	9.78809E-44	0.283233	hyper	sig	chr13_67230235
chr12	1.04E+08	104303609	+	3.81E-46	9.8345E-44	0.320532	hyper	sig	chr12_104303609
chr18	905381	905381	+	3.813E-46	9.83689E-44	0.365653	hyper	sig	chr18_905381
chr10	99234173	99234173	+	3.868E-46	9.97672E-44	0.224887	hyper	sig	chr10_99234173
chr1	1.44E+08	143905724	+	3.974E-46	1.02465E-43	0.277772	hyper	sig	chr1_143905724
chr17	17562435	17562435	+	3.984E-46	1.02688E-43	-0.34022	hypo	sig	chr17_17562435
chr12	1.11E+08	111034159	+	4.043E-46	1.0418E-43	0.330649	hyper	sig	chr12_111034159
chr2	1.19E+08	118857960	+	4.079E-46	1.05084E-43	0.307772	hyper	sig	chr2_118857960
chr13	93228541	93228541	+	4.175E-46	1.07514E-43	0.358813	hyper	sig	chr13_93228541
chr19	3039753	3039753	+	4.185E-46	1.07738E-43	-0.38887	hypo	sig	chr19_3039753
chr17	17561837	17561837	+	4.226E-46	1.08754E-43	-0.35246	hypo	sig	chr17_17561837
chr10	79242797	79242797	+	4.232E-46	1.08868E-43	0.406274	hyper	sig	chr10_79242797
chr13	1.12E+08	112106656	+	4.304E-46	1.10697E-43	0.236662	hyper	sig	chr13_112106656
chr22	24427586	24427586	+	4.318E-46	1.11018E-43	-0.31332	hypo	sig	chr22_24427586
chr13	1.12E+08	112345718	+	4.331E-46	1.11323E-43	-0.2939	hypo	sig	chr13_112345718
chr12	54031180	54031180	+	4.392E-46	1.1286E-43	0.317819	hyper	sig	chr12_54031180
chr12	54031163	54031163	+	4.461E-46	1.14588E-43	0.315544	hyper	sig	chr12_54031163
chr1	2.21E+08	220884521	+	4.486E-46	1.15201E-43	0.301053	hyper	sig	chr1_220884521
chr1	2.08E+08	207645214	+	4.502E-46	1.15502E-43	0.391492	hyper	sig	chr1_207645214
chr11	1.29E+08	128876317	+	4.502E-46	1.15502E-43	-0.29197	hypo	sig	chr11_128876317
chr4	1.07E+08	107035966	+	4.501E-46	1.15502E-43	0.425595	hyper	sig	chr4_107035966
chr5	3597236	3597236	+	4.512E-46	1.15711E-43	0.369801	hyper	sig	chr5_3597236
chr4	30723207	30723207	+	4.528E-46	1.16078E-43	0.309133	hyper	sig	chr4_30723207
chr8	71843563	71843563	+	4.617E-46	1.18328E-43	0.292339	hyper	sig	chr8_71843563
chr5	1.34E+08	134113882	+	4.636E-46	1.18772E-43	0.268277	hyper	sig	chr5_134113882
chr20	5315656	5315656	+	4.676E-46	1.19762E-43	0.339952	hyper	sig	chr20_5315656
chr4	1.11E+08	110632020	+	4.695E-46	1.2021E-43	0.229914	hyper	sig	chr4_110632020
chr5	1.35E+08	135029243	+	4.702E-46	1.20353E-43	0.41508	hyper	sig	chr5_135029243
chr1	50417657	50417657	+	4.763E-46	1.21888E-43	0.257266	hyper	sig	chr1_50417657
chr12	1.33E+08	132904804	+	4.771E-46	1.22042E-43	0.336072	hyper	sig	chr12_132904804
chr18	12259045	12259045	+	4.829E-46	1.23494E-43	-0.402	hypo	sig	chr18_12259045
chr11	526292	526292	+	4.907E-46	1.25453E-43	-0.4011	hypo	sig	chr11_526292
chr2	2.13E+08	212536800	+	4.925E-46	1.25874E-43	0.380679	hyper	sig	chr2_212536800
chr1	2E+08	200036736	+	5.011E-46	1.28021E-43	0.403219	hyper	sig	chr1_200036736
chr5	54883843	54883843	+	5.027E-46	1.28389E-43	0.294446	hyper	sig	chr5_54883843
chr2	63055548	63055548	+	5.106E-46	1.30384E-43	0.305704	hyper	sig	chr2_63055548
chr10	79242794	79242794	+	5.131E-46	1.30981E-43	0.401525	hyper	sig	chr10_79242794
chr4	1056072	1056072	+	5.139E-46	1.31132E-43	-0.22726	hypo	sig	chr4_1056072
chr6	10381561	10381561	+	5.143E-46	1.31184E-43	0.324029	hyper	sig	chr6_10381561
chr14	1.04E+08	104223737	+	5.175E-46	1.3197E-43	0.291062	hyper	sig	chr14_104223737
chr18	59273170	59273170	+	5.21E-46	1.32816E-43	0.319377	hyper	sig	chr18_59273170
chr2	492809	492809	+	5.256E-46	1.33938E-43	-0.33775	hypo	sig	chr2_492809
chr16	56190881	56190881	+	5.301E-46	1.35048E-43	0.289197	hyper	sig	chr16_56190881
chr1	2.35E+08	234723215	+	5.393E-46	1.37348E-43	-0.38859	hypo	sig	chr1_234723215
chr13	27929393	27929393	+	5.399E-46	1.37469E-43	0.443951	hyper	sig	chr13_27929393
chr11	68843170	68843170	+	5.515E-46	1.40375E-43	-0.2255	hypo	sig	chr11_68843170
chr9	1045651	1045651	+	5.63E-46	1.43252E-43	0.255741	hyper	sig	chr9_1045651
chr1	78491549	78491549	+	5.712E-46	1.4529E-43	0.322458	hyper	sig	chr1_78491549
chr6	1.01E+08	101399091	+	5.794E-46	1.47346E-43	0.298189	hyper	sig	chr6_101399091
chr4	1.11E+08	110631152	+	5.832E-46	1.4825E-43	0.26252	hyper	sig	chr4_110631152
chr3	27723325	27723325	+	5.884E-46	1.49542E-43	0.330545	hyper	sig	chr3_27723325
chr19	57191988	57191988	+	5.911E-46	1.50169E-43	0.225806	hyper	sig	chr19_57191988
chr14	94773127	94773127	+	5.966E-46	1.5153E-43	0.308991	hyper	sig	chr14_94773127
chr5	38846433	38846433	+	5.984E-46	1.51921E-43	0.33932	hyper	sig	chr5_38846433
chr1	14599496	14599496	+	6.01E-46	1.52551E-43	0.300982	hyper	sig	chr1_14599496
chr13	40188123	40188123	+	6.051E-46	1.53525E-43	-0.30986	hypo	sig	chr13_40188123

chr7	64877566	64877566	+	6.183E-46	1.56831E-43	0.372795	hyper	sig	chr7_64877566
chr12	1.15E+08	114680972	+	6.242E-46	1.58286E-43	-0.29503	hypo	sig	chr12_114680972
chr2	48755595	48755595	+	6.253E-46	1.58505E-43	0.302048	hyper	sig	chr2_48755595
chr7	1.59E+08	159144009	+	6.289E-46	1.59374E-43	0.31147	hyper	sig	chr7_159144009
chr14	60485358	60485358	+	6.346E-46	1.60759E-43	0.369916	hyper	sig	chr14_60485358
chr17	80178216	80178216	+	6.445E-46	1.63231E-43	-0.3265	hypo	sig	chr17_80178216
chr4	3766855	3766855	+	6.456E-46	1.63444E-43	0.313937	hyper	sig	chr4_3766855
chr13	27792673	27792673	+	6.464E-46	1.63602E-43	0.335205	hyper	sig	chr13_27792673
chr14	1.01E+08	100691590	+	6.561E-46	1.66001E-43	-0.33142	hypo	sig	chr14_100691590
chr13	1.12E+08	112105429	+	6.575E-46	1.66309E-43	0.415387	hyper	sig	chr13_112105429
chr7	1.43E+08	142797230	+	6.581E-46	1.66397E-43	0.238231	hyper	sig	chr7_142797230
chr13	1.02E+08	101917544	+	6.674E-46	1.68712E-43	0.28431	hyper	sig	chr13_101917544
chr15	89409110	89409110	+	6.696E-46	1.69211E-43	0.319793	hyper	sig	chr15_89409110
chr4	21304364	21304364	+	6.703E-46	1.69343E-43	0.240569	hyper	sig	chr4_21304364
chr14	36664107	36664107	+	6.737E-46	1.70147E-43	0.265699	hyper	sig	chr14_36664107
chr14	60485540	60485540	+	6.749E-46	1.7039E-43	0.383287	hyper	sig	chr14_60485540
chr1	2.28E+08	228464813	+	6.772E-46	1.70915E-43	0.28104	hyper	sig	chr1_228464813
chr4	7193342	7193342	+	6.965E-46	1.75726E-43	0.27977	hyper	sig	chr4_7193342
chr2	5693011	5693011	+	7.016E-46	1.76975E-43	0.351842	hyper	sig	chr2_5693011
chr9	1.37E+08	137031477	+	7.253E-46	1.8288E-43	-0.35284	hypo	sig	chr9_137031477
chr13	1.12E+08	112105405	+	7.341E-46	1.85043E-43	0.413219	hyper	sig	chr13_112105405
chr14	36663579	36663579	+	7.406E-46	1.86633E-43	0.261798	hyper	sig	chr14_36663579
chr6	436905	436905	+	7.488E-46	1.88644E-43	-0.30293	hypo	sig	chr6_436905
chr1	31772322	31772322	+	7.501E-46	1.88917E-43	0.273959	hyper	sig	chr1_31772322
chr16	3305303	3305303	+	7.525E-46	1.89459E-43	0.28388	hyper	sig	chr16_3305303
chr10	26217799	26217799	+	7.699E-46	1.93762E-43	0.341099	hyper	sig	chr10_26217799
chr3	27731250	27731250	+	7.717E-46	1.94175E-43	0.309015	hyper	sig	chr3_27731250
chr19	57584079	57584079	+	7.739E-46	1.94653E-43	0.385418	hyper	sig	chr19_57584079
chr1	8121516	8121516	+	7.802E-46	1.96195E-43	-0.38253	hypo	sig	chr1_8121516
chr13	27792668	27792668	+	7.813E-46	1.96403E-43	0.316431	hyper	sig	chr13_27792668
chr4	3766911	3766911	+	7.816E-46	1.96409E-43	0.276283	hyper	sig	chr4_3766911
chr16	54932622	54932622	+	7.897E-46	1.98397E-43	0.314377	hyper	sig	chr16_54932622
chr11	94769358	94769358	+	7.92E-46	1.98897E-43	0.250292	hyper	sig	chr11_94769358
chr4	8191660	8191660	+	7.985E-46	2.00479E-43	-0.30956	hypo	sig	chr4_8191660
chr12	66234336	66234336	+	8.243E-46	2.06887E-43	-0.40298	hypo	sig	chr12_66234336
chr16	51156248	51156248	+	8.302E-46	2.08314E-43	0.356564	hyper	sig	chr16_51156248
chr11	92224388	92224388	+	8.306E-46	2.08333E-43	0.214195	hyper	sig	chr11_92224388
chr17	17561937	17561937	+	8.313E-46	2.08443E-43	-0.30464	hypo	sig	chr17_17561937
chr16	85625367	85625367	+	8.333E-46	2.08895E-43	-0.27393	hypo	sig	chr16_85625367
chr14	1.01E+08	100691599	+	8.354E-46	2.09345E-43	-0.32615	hypo	sig	chr14_100691599
chr6	1E+08	100465159	+	8.378E-46	2.09878E-43	0.320571	hyper	sig	chr6_100465159
chr6	1.08E+08	108174764	+	8.467E-46	2.12045E-43	0.343928	hyper	sig	chr6_108174764
chr12	53927542	53927542	+	8.608E-46	2.15526E-43	0.352766	hyper	sig	chr12_53927542
chr8	66432845	66432845	+	8.682E-46	2.17301E-43	0.355385	hyper	sig	chr8_66432845
chr16	81493502	81493502	+	8.76E-46	2.19189E-43	-0.31918	hypo	sig	chr16_81493502
chr7	85185787	85185787	+	8.847E-46	2.21289E-43	0.31444	hyper	sig	chr7_85185787
chr6	30260315	30260315	+	8.89E-46	2.22312E-43	0.289481	hyper	sig	chr6_30260315
chr1	1.8E+08	179744041	+	8.992E-46	2.24788E-43	0.307462	hyper	sig	chr1_179744041
chr4	1.07E+08	107037318	+	9.015E-46	2.25295E-43	0.288458	hyper	sig	chr4_107037318
chr3	1.82E+08	181696397	+	9.07E-46	2.26583E-43	0.225071	hyper	sig	chr3_181696397
chr16	88415865	88415865	+	9.131E-46	2.28038E-43	-0.30141	hypo	sig	chr16_88415865
chr5	3591063	3591063	+	9.157E-46	2.28619E-43	0.333267	hyper	sig	chr5_3591063
chr10	1.32E+08	132375302	+	9.181E-46	2.29144E-43	-0.24798	hypo	sig	chr10_132375302
chr18	78981117	78981117	+	9.247E-46	2.30728E-43	0.35599	hyper	sig	chr18_78981117
chr12	78864652	78864652	+	9.313E-46	2.32307E-43	0.285211	hyper	sig	chr12_78864652
chr1	1.19E+08	118990209	+	9.361E-46	2.33425E-43	0.26653	hyper	sig	chr1_118990209

chr14	1.01E+08	100691626	+	9.468E-46	2.36018E-43	-0.31969	hypo	sig	chr14_100691626
chr11	67464407	67464407	+	9.48E-46	2.36266E-43	-0.30832	hypo	sig	chr11_67464407
chr2	74499412	74499412	+	9.565E-46	2.38309E-43	0.208468	hyper	sig	chr2_74499412
chr14	69850344	69850344	+	9.669E-46	2.40819E-43	-0.44982	hypo	sig	chr14_69850344
chr8	1.42E+08	141974650	+	9.691E-46	2.41287E-43	-0.29657	hypo	sig	chr8_141974650
chr13	77919541	77919541	+	9.744E-46	2.4253E-43	0.271247	hyper	sig	chr13_77919541
chr5	1.35E+08	135030904	+	9.799E-46	2.43823E-43	0.257759	hyper	sig	chr5_135030904
chr7	1.51E+08	151403934	+	9.894E-46	2.46115E-43	-0.31338	hypo	sig	chr7_151403934
chr5	44388856	44388856	+	9.911E-46	2.46462E-43	0.330212	hyper	sig	chr5_44388856
chr1	3356188	3356188	+	1.018E-45	2.53172E-43	-0.3089	hypo	sig	chr1_3356188
chr14	85530548	85530548	+	1.022E-45	2.54065E-43	0.358126	hyper	sig	chr14_85530548
chr2	1.81E+08	181457103	+	1.023E-45	2.54162E-43	0.294339	hyper	sig	chr2_181457103
chr4	1.33E+08	133148457	+	1.032E-45	2.56219E-43	0.399298	hyper	sig	chr4_133148457
chr4	4862898	4862898	+	1.063E-45	2.63828E-43	0.333026	hyper	sig	chr4_4862898
chr6	30260383	30260383	+	1.063E-45	2.63828E-43	0.296217	hyper	sig	chr6_30260383
chr14	69850303	69850303	+	1.09E-45	2.70453E-43	-0.43753	hypo	sig	chr14_69850303
chr4	41748376	41748376	+	1.104E-45	2.73949E-43	0.307454	hyper	sig	chr4_41748376
chr4	1.9E+08	190018010	+	1.106E-45	2.7423E-43	0.282238	hyper	sig	chr4_190018010
chr2	1818640	1818640	+	1.154E-45	2.85917E-43	-0.39783	hypo	sig	chr2_1818640
chr8	23707122	23707122	+	1.164E-45	2.88372E-43	0.319907	hyper	sig	chr8_23707122
chr17	68198609	68198609	+	1.173E-45	2.90482E-43	0.281803	hyper	sig	chr17_68198609
chr5	1.79E+08	179138904	+	1.185E-45	2.93457E-43	-0.23244	hypo	sig	chr5_179138904
chr12	4909900	4909900	+	1.198E-45	2.96553E-43	0.275572	hyper	sig	chr12_4909900
chr3	1.47E+08	147380724	+	1.217E-45	3.01115E-43	0.285	hyper	sig	chr3_147380724
chr16	51151570	51151570	+	1.222E-45	3.02355E-43	0.28201	hyper	sig	chr16_51151570
chr4	30723217	30723217	+	1.224E-45	3.02626E-43	0.312298	hyper	sig	chr4_30723217
chr7	23247854	23247854	+	1.226E-45	3.03021E-43	0.340469	hyper	sig	chr7_23247854
chr18	55779968	55779968	+	1.235E-45	3.0516E-43	0.381338	hyper	sig	chr18_55779968
chr18	8366942	8366942	+	1.242E-45	3.06938E-43	-0.30641	hypo	sig	chr18_8366942
chr19	21463607	21463607	+	1.244E-45	3.07287E-43	0.332791	hyper	sig	chr19_21463607
chr14	85531169	85531169	+	1.262E-45	3.11678E-43	0.404487	hyper	sig	chr14_85531169
chr8	1.08E+08	108083144	+	1.296E-45	3.20015E-43	0.288876	hyper	sig	chr8_108083144
chr4	3649734	3649734	+	1.308E-45	3.22782E-43	-0.33715	hypo	sig	chr4_3649734
chr8	54457648	54457648	+	1.31E-45	3.23159E-43	0.390076	hyper	sig	chr8_54457648
chr4	1.11E+08	110633229	+	1.315E-45	3.24284E-43	0.341471	hyper	sig	chr4_110633229
chr18	6929702	6929702	+	1.328E-45	3.27354E-43	-0.44138	hypo	sig	chr18_6929702
chr17	21770903	21770903	+	1.334E-45	3.28787E-43	0.296503	hyper	sig	chr17_21770903
chr10	1.05E+08	104642631	+	1.362E-45	3.35715E-43	0.302231	hyper	sig	chr10_104642631
chr2	2.33E+08	233060600	+	1.374E-45	3.38498E-43	-0.39244	hypo	sig	chr2_233060600
chr2	1.19E+08	118845544	+	1.389E-45	3.42011E-43	0.337425	hyper	sig	chr2_118845544
chr19	22634656	22634656	+	1.394E-45	3.43229E-43	0.390935	hyper	sig	chr19_22634656
chr10	79242907	79242907	+	1.396E-45	3.43563E-43	0.345225	hyper	sig	chr10_79242907
chr16	3305322	3305322	+	1.398E-45	3.4394E-43	0.257649	hyper	sig	chr16_3305322
chr5	44389763	44389763	+	1.404E-45	3.45365E-43	0.335573	hyper	sig	chr5_44389763
chr4	1.76E+08	176001668	+	1.415E-45	3.47873E-43	0.263973	hyper	sig	chr4_176001668
chr6	1.67E+08	166870912	+	1.425E-45	3.50215E-43	-0.33805	hypo	sig	chr6_166870912
chr13	1.06E+08	106376555	+	1.439E-45	3.53527E-43	-0.25189	hypo	sig	chr13_106376555
chr13	1.12E+08	112067974	+	1.459E-45	3.58459E-43	0.306073	hyper	sig	chr13_112067974
chr1	1211463	1211463	+	1.461E-45	3.58759E-43	-0.31114	hypo	sig	chr1_1211463
chr12	72273494	72273494	+	1.464E-45	3.59447E-43	0.286641	hyper	sig	chr12_72273494
chr15	79090330	79090330	+	1.465E-45	3.59551E-43	0.253469	hyper	sig	chr15_79090330
chr4	41747356	41747356	+	1.467E-45	3.59855E-43	0.418007	hyper	sig	chr4_41747356
chr14	85532259	85532259	+	1.473E-45	3.61426E-43	0.34244	hyper	sig	chr14_85532259
chr16	67163646	67163646	+	1.475E-45	3.61636E-43	0.392423	hyper	sig	chr16_67163646
chr13	27927763	27927763	+	1.491E-45	3.65511E-43	0.334999	hyper	sig	chr13_27927763
chr10	1.29E+08	128568398	+	1.496E-45	3.66648E-43	-0.33075	hypo	sig	chr10_128568398

chr19	42074753	42074753	+	1.498E-45	3.67076E-43	-0.27308	hypo	sig	chr19_42074753
chr2	2.31E+08	231401126	+	1.507E-45	3.69043E-43	0.459737	hyper	sig	chr2_231401126
chr1	3017933	3017933	+	1.513E-45	3.7052E-43	-0.26784	hypo	sig	chr1_3017933
chr2	10446772	10446772	+	1.522E-45	3.72445E-43	-0.36	hypo	sig	chr2_10446772
chr10	49608871	49608871	+	1.527E-45	3.73767E-43	0.356109	hyper	sig	chr10_49608871
chr1	75131261	75131261	+	1.532E-45	3.74851E-43	0.297946	hyper	sig	chr1_75131261
chr6	29553366	29553366	+	1.549E-45	3.78848E-43	0.237699	hyper	sig	chr6_29553366
chr5	1.71E+08	171308387	+	1.576E-45	3.85251E-43	0.377415	hyper	sig	chr5_171308387
chr8	96159697	96159697	+	1.579E-45	3.85821E-43	0.296148	hyper	sig	chr8_96159697
chr14	26597406	26597406	+	1.59E-45	3.88616E-43	0.24648	hyper	sig	chr14_26597406
chr12	1.17E+08	117033250	+	1.603E-45	3.91502E-43	0.311898	hyper	sig	chr12_117033250
chr10	1.32E+08	132296262	+	1.611E-45	3.93466E-43	-0.26881	hypo	sig	chr10_132296262
chr6	10882847	10882847	+	1.676E-45	4.0915E-43	0.298752	hyper	sig	chr6_10882847
chr10	25934018	25934018	+	1.681E-45	4.10309E-43	0.32665	hyper	sig	chr10_25934018
chr10	1.33E+08	132921045	+	1.683E-45	4.10591E-43	-0.31029	hypo	sig	chr10_132921045
chr5	33936417	33936417	+	1.687E-45	4.11416E-43	0.298007	hyper	sig	chr5_33936417
chr13	37869648	37869648	+	1.689E-45	4.11823E-43	0.274448	hyper	sig	chr13_37869648
chr12	54054023	54054023	+	1.69E-45	4.12001E-43	0.390341	hyper	sig	chr12_54054023
chr19	52369811	52369811	+	1.713E-45	4.17527E-43	0.297627	hyper	sig	chr19_52369811
chr6	1.37E+08	137494583	+	1.76E-45	4.28852E-43	0.293575	hyper	sig	chr6_137494583
chr5	3590744	3590744	+	1.765E-45	4.29771E-43	0.371448	hyper	sig	chr5_3590744
chr10	1.32E+08	132226816	+	1.793E-45	4.36441E-43	-0.23912	hypo	sig	chr10_132226816
chr1	1.21E+08	121009560	+	1.794E-45	4.36706E-43	0.332609	hyper	sig	chr1_121009560
chr17	81400906	81400906	+	1.819E-45	4.42696E-43	0.372556	hyper	sig	chr17_81400906
chr14	85529858	85529858	+	1.823E-45	4.43317E-43	0.317983	hyper	sig	chr14_85529858
chr3	13041272	13041272	+	1.828E-45	4.44503E-43	-0.32304	hypo	sig	chr3_13041272
chr16	89817677	89817677	+	1.837E-45	4.46582E-43	-0.29951	hypo	sig	chr16_89817677
chr4	80266042	80266042	+	1.865E-45	4.5311E-43	0.273064	hyper	sig	chr4_80266042
chr8	66963225	66963225	+	1.867E-45	4.53462E-43	0.293673	hyper	sig	chr8_66963225
chr13	93227034	93227034	+	1.904E-45	4.62362E-43	0.336629	hyper	sig	chr13_93227034
chr3	27723319	27723319	+	1.912E-45	4.64343E-43	0.337623	hyper	sig	chr3_27723319
chr17	81400783	81400783	+	1.917E-45	4.65409E-43	0.314843	hyper	sig	chr17_81400783
chr1	1.47E+08	147078905	+	1.941E-45	4.7088E-43	0.309216	hyper	sig	chr1_147078905
chr6	29792718	29792718	+	1.941E-45	4.7088E-43	0.323521	hyper	sig	chr6_29792718
chr17	77373520	77373520	+	1.968E-45	4.77283E-43	0.425341	hyper	sig	chr17_77373520
chr4	95549796	95549796	+	1.973E-45	4.78421E-43	0.25559	hyper	sig	chr4_95549796
chr16	10694894	10694894	+	1.987E-45	4.81609E-43	-0.2858	hypo	sig	chr16_10694894
chr4	785700	785700	+	1.997E-45	4.83802E-43	0.330864	hyper	sig	chr4_785700
chr7	5302810	5302810	+	2.012E-45	4.8744E-43	-0.38804	hypo	sig	chr7_5302810
chr1	99005252	99005252	+	2.013E-45	4.87517E-43	0.293457	hyper	sig	chr1_99005252
chr10	3287578	3287578	+	2.042E-45	4.94204E-43	-0.35446	hypo	sig	chr10_3287578
chr4	80265939	80265939	+	2.043E-45	4.94368E-43	0.238099	hyper	sig	chr4_80265939
chr2	1.19E+08	118842243	+	2.061E-45	4.98591E-43	0.336039	hyper	sig	chr2_118842243
chr5	54883811	54883811	+	2.064E-45	4.99179E-43	0.269317	hyper	sig	chr5_54883811
chr10	55628595	55628595	+	2.092E-45	5.05706E-43	0.378861	hyper	sig	chr10_55628595
chr13	27927024	27927024	+	2.107E-45	5.09315E-43	0.299387	hyper	sig	chr13_27927024
chr12	4909915	4909915	+	2.164E-45	5.2293E-43	0.284959	hyper	sig	chr12_4909915
chr4	1.47E+08	146638974	+	2.188E-45	5.28588E-43	0.364889	hyper	sig	chr4_146638974
chr19	36916584	36916584	+	2.196E-45	5.3032E-43	0.342728	hyper	sig	chr19_36916584
chr7	27103029	27103029	+	2.203E-45	5.31856E-43	0.347258	hyper	sig	chr7_27103029
chr1	2.08E+08	207645076	+	2.228E-45	5.37751E-43	0.326178	hyper	sig	chr1_207645076
chr22	39374494	39374494	+	2.229E-45	5.37751E-43	-0.32544	hypo	sig	chr22_39374494
chr10	23693659	23693659	+	2.235E-45	5.38925E-43	0.295639	hyper	sig	chr10_23693659
chr19	36797688	36797688	+	2.291E-45	5.52275E-43	0.324305	hyper	sig	chr19_36797688
chr15	71125645	71125645	+	2.308E-45	5.56116E-43	0.342619	hyper	sig	chr15_71125645
chr16	88409698	88409698	+	2.313E-45	5.57254E-43	-0.34969	hypo	sig	chr16_88409698

chr10	81875562	81875562	+	2.319E-45	5.58609E-43	0.29322	hyper	sig	chr10_81875562
chr12	54047463	54047463	+	2.366E-45	5.6965E-43	0.419116	hyper	sig	chr12_54047463
chr2	1.19E+08	118833550	+	2.385E-45	5.7406E-43	0.265324	hyper	sig	chr2_118833550
chr4	1.74E+08	173530100	+	2.391E-45	5.75282E-43	0.228603	hyper	sig	chr4_173530100
chr5	1.47E+08	147480242	+	2.391E-45	5.75282E-43	-0.42312	hypo	sig	chr5_147480242
chr16	89817700	89817700	+	2.406E-45	5.78726E-43	-0.324	hypo	sig	chr16_89817700
chr8	22737870	22737870	+	2.428E-45	5.83667E-43	-0.31219	hypo	sig	chr8_22737870
chr17	81400927	81400927	+	2.43E-45	5.84012E-43	0.355256	hyper	sig	chr17_81400927
chr6	72621427	72621427	+	2.481E-45	5.96197E-43	0.242041	hyper	sig	chr6_72621427
chr6	32068501	32068501	+	2.523E-45	6.05793E-43	-0.26141	hypo	sig	chr6_32068501
chr7	66505128	66505128	+	2.523E-45	6.05793E-43	-0.36895	hypo	sig	chr7_66505128
chr10	1.33E+08	132803718	+	2.537E-45	6.0907E-43	-0.32081	hypo	sig	chr10_132803718
chr7	1.58E+08	157684263	+	2.546E-45	6.11115E-43	0.342573	hyper	sig	chr7_157684263
chr12	1.14E+08	114403083	+	2.576E-45	6.18022E-43	0.32476	hyper	sig	chr12_114403083
chr8	11703959	11703959	+	2.604E-45	6.24686E-43	0.239845	hyper	sig	chr8_11703959
chr8	71842970	71842970	+	2.63E-45	6.30598E-43	0.378718	hyper	sig	chr8_71842970
chr7	1.46E+08	146117050	+	2.637E-45	6.32071E-43	0.292413	hyper	sig	chr7_146117050
chr3	50303862	50303862	+	2.638E-45	6.32239E-43	-0.2975	hypo	sig	chr3_50303862
chr3	1.47E+08	147413337	+	2.641E-45	6.32711E-43	0.305352	hyper	sig	chr3_147413337
chr21	33026224	33026224	+	2.643E-45	6.32925E-43	0.319824	hyper	sig	chr21_33026224
chr13	1.12E+08	112074016	+	2.644E-45	6.32965E-43	0.296334	hyper	sig	chr13_112074016
chr2	2.22E+08	222297330	+	2.644E-45	6.32965E-43	0.319643	hyper	sig	chr2_222297330
chr1	1.19E+08	118987425	+	2.661E-45	6.36651E-43	0.314947	hyper	sig	chr1_118987425
chr4	30723219	30723219	+	2.667E-45	6.38062E-43	0.305792	hyper	sig	chr4_30723219
chr7	45921909	45921909	+	2.68E-45	6.40858E-43	0.298525	hyper	sig	chr7_45921909
chr10	472341	472341	+	2.683E-45	6.41513E-43	-0.40107	hypo	sig	chr10_472341
chr13	77918543	77918543	+	2.694E-45	6.439E-43	0.290158	hyper	sig	chr13_77918543
chr3	1.33E+08	133410684	+	2.709E-45	6.47191E-43	-0.33853	hypo	sig	chr3_133410684
chr12	54047370	54047370	+	2.731E-45	6.52273E-43	0.37586	hyper	sig	chr12_54047370
chr20	24470792	24470792	+	2.796E-45	6.67707E-43	0.261295	hyper	sig	chr20_24470792
chr2	74499368	74499368	+	2.817E-45	6.72604E-43	0.226584	hyper	sig	chr2_74499368
chr1	1.21E+08	121117009	+	2.851E-45	6.80462E-43	0.407442	hyper	sig	chr1_121117009
chr13	87674623	87674623	+	2.892E-45	6.89857E-43	0.372361	hyper	sig	chr13_87674623
chr15	83206925	83206925	+	2.892E-45	6.89857E-43	0.267069	hyper	sig	chr15_83206925
chr11	22432935	22432935	+	2.901E-45	6.91821E-43	0.34798	hyper	sig	chr11_22432935
chr4	1.74E+08	173528845	+	2.933E-45	6.99209E-43	0.340848	hyper	sig	chr4_173528845
chr4	1.74E+08	173530182	+	2.966E-45	7.06833E-43	0.212698	hyper	sig	chr4_173530182
chr3	1.8E+08	180036741	+	2.98E-45	7.10047E-43	0.29267	hyper	sig	chr3_180036741
chr13	1.12E+08	112105390	+	3.11E-45	7.40824E-43	0.416142	hyper	sig	chr13_112105390
chr7	23709988	23709988	+	3.134E-45	7.46105E-43	-0.3868	hypo	sig	chr7_23709988
chr19	57192043	57192043	+	3.141E-45	7.47752E-43	0.310564	hyper	sig	chr19_57192043
chr18	6929734	6929734	+	3.164E-45	7.52987E-43	-0.37337	hypo	sig	chr18_6929734
chr17	81480608	81480608	+	3.165E-45	7.53008E-43	-0.29654	hypo	sig	chr17_81480608
chr1	20473306	20473306	+	3.174E-45	7.54857E-43	0.351902	hyper	sig	chr1_20473306
chr13	1.12E+08	112055231	+	3.201E-45	7.60937E-43	0.316184	hyper	sig	chr13_112055231
chr9	1.36E+08	136356337	+	3.23E-45	7.676E-43	-0.3453	hypo	sig	chr9_136356337
chr10	3538909	3538909	+	3.236E-45	7.69013E-43	-0.28967	hypo	sig	chr10_3538909
chr5	1.16E+08	115816769	+	3.243E-45	7.70384E-43	0.339046	hyper	sig	chr5_115816769
chr8	11347317	11347317	+	3.244E-45	7.70419E-43	0.392705	hyper	sig	chr8_11347317
chr10	99234125	99234125	+	3.252E-45	7.71982E-43	0.258252	hyper	sig	chr10_99234125
chr13	57631902	57631902	+	3.258E-45	7.73314E-43	0.390694	hyper	sig	chr13_57631902
chr2	11105354	11105354	+	3.293E-45	7.81389E-43	-0.29089	hypo	sig	chr2_11105354
chr10	1736591	1736591	+	3.298E-45	7.82262E-43	0.312357	hyper	sig	chr10_1736591
chr3	1.47E+08	147411201	+	3.317E-45	7.86464E-43	0.386631	hyper	sig	chr3_147411201
chr11	69382451	69382451	+	3.325E-45	7.88152E-43	-0.30263	hypo	sig	chr11_69382451
chr15	55588799	55588799	+	3.326E-45	7.88152E-43	0.266648	hyper	sig	chr15_55588799

chr3	1.87E+08	187139766	+	3.367E-45	7.97727E-43	0.208279	hyper	sig	chr3_187139766
chr4	1.33E+08	133149173	+	3.37E-45	7.98276E-43	0.295749	hyper	sig	chr4_133149173
chr1	38578524	38578524	+	3.376E-45	7.99367E-43	0.224241	hyper	sig	chr1_38578524
chr2	1.15E+08	115163186	+	3.393E-45	8.0306E-43	0.324174	hyper	sig	chr2_115163186
chr17	64778594	64778594	+	3.42E-45	8.09253E-43	0.301346	hyper	sig	chr17_64778594
chr4	1.11E+08	110639899	+	3.46E-45	8.18576E-43	0.348002	hyper	sig	chr4_110639899
chr19	52369898	52369898	+	3.479E-45	8.22685E-43	0.321732	hyper	sig	chr19_52369898
chr3	8619833	8619833	+	3.499E-45	8.27337E-43	-0.36095	hypo	sig	chr3_8619833
chr1	1.19E+08	118987386	+	3.532E-45	8.34587E-43	0.310331	hyper	sig	chr1_118987386
chr1	1.62E+08	161621674	+	3.532E-45	8.34587E-43	0.23806	hyper	sig	chr1_161621674
chr7	1.57E+08	157003193	+	3.541E-45	8.36528E-43	0.374911	hyper	sig	chr7_157003193
chr3	55482181	55482181	+	3.566E-45	8.42186E-43	0.292211	hyper	sig	chr3_55482181
chr17	48621840	48621840	+	3.58E-45	8.45133E-43	-0.35855	hypo	sig	chr17_48621840
chr21	33027051	33027051	+	3.582E-45	8.45432E-43	0.294656	hyper	sig	chr21_33027051
chr6	32043910	32043910	+	3.614E-45	8.52751E-43	-0.31707	hypo	sig	chr6_32043910
chr10	49134100	49134100	+	3.634E-45	8.57086E-43	-0.34059	hypo	sig	chr10_49134100
chr8	22148015	22148015	+	3.647E-45	8.60044E-43	-0.30463	hypo	sig	chr8_22148015
chr1	1926698	1926698	+	3.65E-45	8.60565E-43	-0.3874	hypo	sig	chr1_1926698
chr6	1E+08	100465179	+	3.715E-45	8.75447E-43	0.340983	hyper	sig	chr6_100465179
chr4	1.55E+08	155208017	+	3.729E-45	8.78669E-43	0.229894	hyper	sig	chr4_155208017
chr1	6276454	6276454	+	3.767E-45	8.87113E-43	0.309611	hyper	sig	chr1_6276454
chr11	68843330	68843330	+	3.767E-45	8.87113E-43	-0.28468	hypo	sig	chr11_68843330
chr12	1.14E+08	114400560	+	3.778E-45	8.89197E-43	0.314663	hyper	sig	chr12_114400560
chr7	1.53E+08	152827779	+	3.778E-45	8.89197E-43	-0.37369	hypo	sig	chr7_152827779
chr5	1.41E+08	141420988	+	3.793E-45	8.92379E-43	0.302282	hyper	sig	chr5_141420988
chr2	2.34E+08	233939212	+	3.803E-45	8.94413E-43	0.38142	hyper	sig	chr2_233939212
chr8	23064611	23064611	+	3.806E-45	8.94892E-43	-0.39677	hypo	sig	chr8_23064611
chr11	8168687	8168687	+	3.821E-45	8.98272E-43	0.350296	hyper	sig	chr11_8168687
chr3	79767799	79767799	+	3.833E-45	9.00745E-43	0.317222	hyper	sig	chr3_79767799
chr19	33234751	33234751	+	3.845E-45	9.03397E-43	-0.3724	hypo	sig	chr19_33234751
chr17	8408370	8408370	+	3.882E-45	9.11625E-43	-0.36466	hypo	sig	chr17_8408370
chr10	1.33E+08	133046465	+	3.905E-45	9.16752E-43	-0.28565	hypo	sig	chr10_133046465
chr11	1085271	1085271	+	3.935E-45	9.23722E-43	-0.27811	hypo	sig	chr11_1085271
chr13	27927011	27927011	+	3.941E-45	9.24886E-43	0.275543	hyper	sig	chr13_27927011
chr2	1.32E+08	132257162	+	3.964E-45	9.29872E-43	0.398405	hyper	sig	chr2_132257162
chr8	88327897	88327897	+	3.985E-45	9.34674E-43	0.295963	hyper	sig	chr8_88327897
chr4	3766881	3766881	+	3.996E-45	9.3699E-43	0.283686	hyper	sig	chr4_3766881
chr15	83206900	83206900	+	4.001E-45	9.37789E-43	0.259502	hyper	sig	chr15_83206900
chr6	75205036	75205036	+	4.04E-45	9.46693E-43	0.286457	hyper	sig	chr6_75205036
chr8	53877118	53877118	+	4.045E-45	9.47429E-43	0.376561	hyper	sig	chr8_53877118
chr3	1.47E+08	147356286	+	4.058E-45	9.50301E-43	0.28126	hyper	sig	chr3_147356286
chr6	1E+08	100464082	+	4.094E-45	9.58552E-43	0.301398	hyper	sig	chr6_100464082
chr17	21770819	21770819	+	4.182E-45	9.78783E-43	0.260447	hyper	sig	chr17_21770819
chr12	85279552	85279552	+	4.19E-45	9.80283E-43	0.314863	hyper	sig	chr12_85279552
chr14	26596768	26596768	+	4.229E-45	9.89321E-43	0.427125	hyper	sig	chr14_26596768
chr8	97278103	97278103	+	4.274E-45	9.99398E-43	0.321025	hyper	sig	chr8_97278103
chr4	3766857	3766857	+	4.343E-45	1.01528E-42	0.289564	hyper	sig	chr4_3766857
chr8	64369702	64369702	+	4.369E-45	1.02114E-42	0.268558	hyper	sig	chr8_64369702
chr7	1602250	1602250	+	4.386E-45	1.02468E-42	-0.31308	hypo	sig	chr7_1602250
chr10	1.33E+08	132960349	+	4.405E-45	1.02894E-42	-0.32969	hypo	sig	chr10_132960349
chr8	26051796	26051796	+	4.51E-45	1.05321E-42	0.281795	hyper	sig	chr8_26051796
chr3	1.72E+08	172449739	+	4.578E-45	1.06875E-42	0.290048	hyper	sig	chr3_172449739
chr12	81077640	81077640	+	4.59E-45	1.07126E-42	0.308565	hyper	sig	chr12_81077640
chr4	1.9E+08	190018004	+	4.67E-45	1.08952E-42	0.281893	hyper	sig	chr4_190018004
chr17	65538240	65538240	+	4.681E-45	1.09183E-42	-0.34799	hypo	sig	chr17_65538240
chr3	55482186	55482186	+	4.781E-45	1.11472E-42	0.281164	hyper	sig	chr3_55482186

chr1	30758538	30758538	+	4.861E-45	1.13312E-42	0.28557	hyper	sig	chr1_30758538
chr9	91421137	91421137	+	4.867E-45	1.13414E-42	0.280905	hyper	sig	chr9_91421137
chr18	37567225	37567225	+	4.912E-45	1.1441E-42	0.288778	hyper	sig	chr18_37567225
chr15	52791335	52791335	+	4.992E-45	1.16231E-42	0.306248	hyper	sig	chr15_52791335
chr13	27926818	27926818	+	4.995E-45	1.16261E-42	0.391678	hyper	sig	chr13_27926818
chr14	85532262	85532262	+	5.095E-45	1.18567E-42	0.348186	hyper	sig	chr14_85532262
chr6	1.12E+08	112347329	+	5.141E-45	1.19594E-42	-0.29574	hypo	sig	chr6_112347329
chr10	3538911	3538911	+	5.21E-45	1.21172E-42	-0.28755	hypo	sig	chr10_3538911
chr6	1E+08	100463706	+	5.274E-45	1.22616E-42	0.253472	hyper	sig	chr6_100463706
chr1	2.21E+08	220884488	+	5.311E-45	1.23459E-42	0.276778	hyper	sig	chr1_220884488
chr1	10672477	10672477	+	5.327E-45	1.23789E-42	0.371098	hyper	sig	chr1_10672477
chr16	62036415	62036415	+	5.356E-45	1.24419E-42	0.340554	hyper	sig	chr16_62036415
chr18	37565390	37565390	+	5.414E-45	1.25739E-42	0.284574	hyper	sig	chr18_37565390
chr5	1.16E+08	115816734	+	5.52E-45	1.28165E-42	0.307855	hyper	sig	chr5_115816734
chr13	27924741	27924741	+	5.571E-45	1.29297E-42	0.33519	hyper	sig	chr13_27924741
chr7	1.58E+08	157553934	+	5.672E-45	1.31612E-42	-0.33902	hypo	sig	chr7_157553934
chr14	1.04E+08	104159073	+	5.719E-45	1.32663E-42	-0.32748	hypo	sig	chr14_104159073
chr13	25171848	25171848	+	5.761E-45	1.33594E-42	0.285984	hyper	sig	chr13_25171848
chr8	23710071	23710071	+	5.784E-45	1.34104E-42	0.287068	hyper	sig	chr8_23710071
chr3	1.8E+08	180036749	+	5.797E-45	1.34363E-42	0.298678	hyper	sig	chr3_180036749
chr6	1E+08	100464137	+	5.817E-45	1.34773E-42	0.250012	hyper	sig	chr6_100464137
chr8	84182607	84182607	+	5.899E-45	1.36634E-42	0.259693	hyper	sig	chr8_84182607
chr16	85625391	85625391	+	5.949E-45	1.37759E-42	-0.2748	hypo	sig	chr16_85625391
chr13	67230164	67230164	+	5.953E-45	1.37817E-42	0.230895	hyper	sig	chr13_67230164
chr19	58440148	58440148	+	5.959E-45	1.3792E-42	0.207374	hyper	sig	chr19_58440148
chr8	1637763	1637763	+	6.025E-45	1.39412E-42	-0.28849	hypo	sig	chr8_1637763
chr19	22634646	22634646	+	6.045E-45	1.39822E-42	0.387105	hyper	sig	chr19_22634646
chr18	8366957	8366957	+	6.049E-45	1.39869E-42	-0.29082	hypo	sig	chr18_8366957
chr19	846252	846252	+	6.092E-45	1.40825E-42	-0.33275	hypo	sig	chr19_846252
chr2	1.27E+08	126656416	+	6.113E-45	1.4127E-42	0.382817	hyper	sig	chr2_126656416
chr1	3067851	3067851	+	6.118E-45	1.4136E-42	0.34138	hyper	sig	chr1_3067851
chr19	12156870	12156870	+	6.181E-45	1.4278E-42	0.268297	hyper	sig	chr19_12156870
chr4	1.47E+08	146640658	+	6.303E-45	1.45543E-42	0.303033	hyper	sig	chr4_146640658
chr16	361464	361464	+	6.417E-45	1.48139E-42	-0.40769	hypo	sig	chr16_361464
chr11	1.29E+08	128824329	+	6.451E-45	1.48873E-42	0.295348	hyper	sig	chr11_128824329
chr1	1.47E+08	147078392	+	6.562E-45	1.51407E-42	0.321513	hyper	sig	chr1_147078392
chr14	26598872	26598872	+	6.655E-45	1.53483E-42	0.359048	hyper	sig	chr14_26598872
chr7	19117570	19117570	+	6.657E-45	1.53483E-42	0.246296	hyper	sig	chr7_19117570
chr9	1.36E+08	136356303	+	6.658E-45	1.53483E-42	-0.32238	hypo	sig	chr9_136356303
chr1	78491162	78491162	+	6.73E-45	1.55088E-42	0.362909	hyper	sig	chr1_78491162
chr4	6028798	6028798	+	6.755E-45	1.55641E-42	-0.32971	hypo	sig	chr4_6028798
chr2	2.37E+08	236568202	+	6.766E-45	1.55831E-42	0.252402	hyper	sig	chr2_236568202
chr10	23191377	23191377	+	6.814E-45	1.56904E-42	0.306408	hyper	sig	chr10_23191377
chr2	1.19E+08	118842162	+	6.847E-45	1.5761E-42	0.29011	hyper	sig	chr2_118842162
chr13	1.06E+08	106376537	+	6.892E-45	1.58597E-42	-0.21353	hypo	sig	chr13_106376537
chr4	1.74E+08	173530107	+	6.902E-45	1.58794E-42	0.227439	hyper	sig	chr4_173530107
chr1	8347859	8347859	+	7.009E-45	1.61208E-42	-0.35232	hypo	sig	chr1_8347859
chr4	1.55E+08	154742569	+	7.011E-45	1.61208E-42	0.264646	hyper	sig	chr4_154742569
chr12	1.33E+08	132524667	+	7.049E-45	1.62034E-42	-0.32828	hypo	sig	chr12_132524667
chr10	1.3E+08	129969878	+	7.056E-45	1.62153E-42	0.247186	hyper	sig	chr10_129969878
chr20	63494900	63494900	+	7.302E-45	1.67705E-42	-0.36298	hypo	sig	chr20_63494900
chr5	54883831	54883831	+	7.413E-45	1.70218E-42	0.289696	hyper	sig	chr5_54883831
chr11	1075769	1075769	+	7.455E-45	1.71122E-42	-0.30619	hypo	sig	chr11_1075769
chr4	8559383	8559383	+	7.457E-45	1.71122E-42	-0.34897	hypo	sig	chr4_8559383
chr13	1.1E+08	110308206	+	7.507E-45	1.72176E-42	0.247963	hyper	sig	chr13_110308206
chr4	80268734	80268734	+	7.507E-45	1.72176E-42	0.313147	hyper	sig	chr4_80268734

chr2	1743083	1743083	+	7.7E-45	1.76551E-42	0.256792	hyper	sig	chr2_1743083
chr17	41583625	41583625	+	7.829E-45	1.79451E-42	-0.33212	hypo	sig	chr17_41583625
chr19	36916349	36916349	+	7.831E-45	1.79451E-42	0.226894	hyper	sig	chr19_36916349
chr4	1.11E+08	110612422	+	7.843E-45	1.79676E-42	0.311421	hyper	sig	chr4_110612422
chr13	35478865	35478865	+	8.172E-45	1.87117E-42	0.387212	hyper	sig	chr13_35478865
chr16	49278649	49278649	+	8.219E-45	1.88129E-42	0.341169	hyper	sig	chr16_49278649
chr10	26217813	26217813	+	8.252E-45	1.88824E-42	0.322488	hyper	sig	chr10_26217813
chr1	10672338	10672338	+	8.254E-45	1.88825E-42	0.34654	hyper	sig	chr1_10672338
chr1	2.28E+08	228464712	+	8.259E-45	1.88825E-42	0.301501	hyper	sig	chr1_228464712
chr10	1.01E+08	101227726	+	8.258E-45	1.88825E-42	0.282486	hyper	sig	chr10_101227726
chr6	50724482	50724482	+	8.302E-45	1.89774E-42	0.271968	hyper	sig	chr6_50724482
chr19	58440423	58440423	+	8.38E-45	1.91496E-42	0.203538	hyper	sig	chr19_58440423
chr4	89836478	89836478	+	8.516E-45	1.94541E-42	0.34338	hyper	sig	chr4_89836478
chr8	1.43E+08	142612954	+	8.626E-45	1.97003E-42	-0.35644	hypo	sig	chr8_142612954
chr16	67161896	67161896	+	8.677E-45	1.98119E-42	-0.33522	hypo	sig	chr16_67161896
chr19	53521464	53521464	+	8.758E-45	1.99899E-42	0.338137	hyper	sig	chr19_53521464
chr1	3293006	3293006	+	8.767E-45	2.0006E-42	-0.36732	hypo	sig	chr1_3293006
chr12	29783556	29783556	+	8.82E-45	2.01195E-42	0.263422	hyper	sig	chr12_29783556
chr1	50417743	50417743	+	8.976E-45	2.04716E-42	0.282548	hyper	sig	chr1_50417743
chr4	1.33E+08	133148418	+	9.073E-45	2.06852E-42	0.346155	hyper	sig	chr4_133148418
chr15	83206917	83206917	+	9.223E-45	2.10216E-42	0.266538	hyper	sig	chr15_83206917
chr19	21463592	21463592	+	9.248E-45	2.10732E-42	0.331519	hyper	sig	chr19_21463592
chr16	89817687	89817687	+	9.435E-45	2.14933E-42	-0.31473	hypo	sig	chr16_89817687
chr2	11105331	11105331	+	9.587E-45	2.18279E-42	-0.31948	hypo	sig	chr2_11105331
chr7	2079382	2079382	+	9.587E-45	2.18279E-42	-0.3091	hypo	sig	chr7_2079382
chr8	84182688	84182688	+	9.639E-45	2.19406E-42	0.265922	hyper	sig	chr8_84182688
chr12	1.24E+08	123909382	+	9.731E-45	2.21431E-42	-0.36468	hypo	sig	chr12_123909382
chr13	35478981	35478981	+	9.847E-45	2.24015E-42	0.294847	hyper	sig	chr13_35478981
chr13	27924819	27924819	+	9.856E-45	2.24136E-42	0.340912	hyper	sig	chr13_27924819
chr4	1407667	1407667	+	1.001E-44	2.27497E-42	0.433905	hyper	sig	chr4_1407667
chr20	24470857	24470857	+	1.004E-44	2.28218E-42	0.267289	hyper	sig	chr20_24470857
chr8	60967847	60967847	+	1.006E-44	2.28597E-42	-0.44717	hypo	sig	chr8_60967847
chr20	63244894	63244894	+	1.009E-44	2.29297E-42	-0.27899	hypo	sig	chr20_63244894
chr13	27792677	27792677	+	1.012E-44	2.29833E-42	0.326404	hyper	sig	chr13_27792677
chr6	1.67E+08	166870843	+	1.012E-44	2.29833E-42	-0.43344	hypo	sig	chr6_166870843
chr19	817864	817864	+	1.015E-44	2.30361E-42	-0.31611	hypo	sig	chr19_817864
chr8	98947246	98947246	+	1.016E-44	2.30485E-42	0.310537	hyper	sig	chr8_98947246
chr4	5893359	5893359	+	1.034E-44	2.34463E-42	0.370288	hyper	sig	chr4_5893359
chr10	79242741	79242741	+	1.036E-44	2.34924E-42	0.404536	hyper	sig	chr10_79242741
chr1	1.19E+08	118989519	+	1.042E-44	2.36172E-42	0.291365	hyper	sig	chr1_118989519
chr5	33936276	33936276	+	1.049E-44	2.37712E-42	0.338386	hyper	sig	chr5_33936276
chr9	1.3E+08	129620703	+	1.052E-44	2.38484E-42	0.415126	hyper	sig	chr9_129620703
chr16	1002603	1002603	+	1.076E-44	2.43694E-42	-0.42792	hypo	sig	chr16_1002603
chr11	92225237	92225237	+	1.077E-44	2.43904E-42	0.376614	hyper	sig	chr11_92225237
chr5	1794615	1794615	+	1.082E-44	2.44899E-42	-0.33036	hypo	sig	chr5_1794615
chr10	49115173	49115173	+	1.099E-44	2.48755E-42	0.27918	hyper	sig	chr10_49115173
chr11	504904	504904	+	1.102E-44	2.49422E-42	0.346795	hyper	sig	chr11_504904
chr15	28832479	28832479	+	1.106E-44	2.502E-42	0.341204	hyper	sig	chr15_28832479
chr16	85741753	85741753	+	1.114E-44	2.51913E-42	-0.32594	hypo	sig	chr16_85741753
chr1	2.35E+08	234723232	+	1.121E-44	2.53378E-42	-0.35757	hypo	sig	chr1_234723232
chr22	42858075	42858075	+	1.129E-44	2.5512E-42	-0.25609	hypo	sig	chr22_42858075
chr2	74499445	74499445	+	1.133E-44	2.56037E-42	0.263579	hyper	sig	chr2_74499445
chr1	3068014	3068014	+	1.134E-44	2.56076E-42	0.239257	hyper	sig	chr1_3068014
chr13	21668880	21668880	+	1.136E-44	2.56523E-42	0.403263	hyper	sig	chr13_21668880
chr14	24132358	24132358	+	1.136E-44	2.56523E-42	-0.32054	hypo	sig	chr14_24132358
chr12	1.15E+08	114687089	+	1.166E-44	2.6319E-42	0.28669	hyper	sig	chr12_114687089

chr7	97022274	97022274	+	1.18E-44	2.66317E-42	0.317608	hyper	sig	chr7_97022274
chr16	51156290	51156290	+	1.183E-44	2.66779E-42	0.359884	hyper	sig	chr16_51156290
chr15	77822546	77822546	+	1.193E-44	2.69124E-42	-0.31884	hypo	sig	chr15_77822546
chr5	1.35E+08	135327162	+	1.198E-44	2.70172E-42	0.274967	hyper	sig	chr5_135327162
chr12	1.14E+08	114408516	+	1.2E-44	2.70573E-42	0.314892	hyper	sig	chr12_114408516
chr4	1.11E+08	110629267	+	1.209E-44	2.72324E-42	0.34228	hyper	sig	chr4_110629267
chr4	13528655	13528655	+	1.216E-44	2.74008E-42	0.307324	hyper	sig	chr4_13528655
chr11	1.29E+08	128692989	+	1.219E-44	2.74528E-42	0.22168	hyper	sig	chr11_128692989
chr16	67163651	67163651	+	1.269E-44	2.85739E-42	0.391803	hyper	sig	chr16_67163651
chr4	212690	212690	+	1.294E-44	2.91307E-42	0.289897	hyper	sig	chr4_212690
chr6	31776175	31776175	+	1.3E-44	2.92626E-42	-0.29728	hypo	sig	chr6_31776175
chr11	68411468	68411468	+	1.311E-44	2.9491E-42	-0.3376	hypo	sig	chr11_68411468
chr7	1602253	1602253	+	1.339E-44	3.01073E-42	-0.31155	hypo	sig	chr7_1602253
chr4	1.25E+08	125317181	+	1.343E-44	3.0192E-42	0.313489	hyper	sig	chr4_125317181
chr21	32586101	32586101	+	1.35E-44	3.03418E-42	-0.50344	hypo	sig	chr21_32586101
chr7	45922200	45922200	+	1.36E-44	3.05536E-42	0.290236	hyper	sig	chr7_45922200
chr19	57192049	57192049	+	1.367E-44	3.07152E-42	0.299622	hyper	sig	chr19_57192049
chr17	48621542	48621542	+	1.397E-44	3.13771E-42	-0.35179	hypo	sig	chr17_48621542
chr4	1.11E+08	110612391	+	1.398E-44	3.13946E-42	0.294934	hyper	sig	chr4_110612391
chr4	1.54E+08	153758310	+	1.416E-44	3.17838E-42	-0.32258	hypo	sig	chr4_153758310
chr11	1113923	1113923	+	1.424E-44	3.1959E-42	-0.29281	hypo	sig	chr11_1113923
chr11	1.04E+08	104163512	+	1.432E-44	3.21166E-42	0.291459	hyper	sig	chr11_104163512
chr5	1.41E+08	141339115	+	1.432E-44	3.21251E-42	0.268997	hyper	sig	chr5_141339115
chr3	1.38E+08	137769652	+	1.467E-44	3.29025E-42	0.292335	hyper	sig	chr3_137769652
chr16	71426333	71426333	+	1.479E-44	3.31499E-42	0.286176	hyper	sig	chr16_71426333
chr4	80185188	80185188	+	1.482E-44	3.32086E-42	0.212412	hyper	sig	chr4_80185188
chr4	1.47E+08	146639076	+	1.485E-44	3.3263E-42	0.356235	hyper	sig	chr4_146639076
chr8	1.44E+08	143602464	+	1.487E-44	3.33132E-42	-0.33083	hypo	sig	chr8_143602464
chr4	21304431	21304431	+	1.488E-44	3.33181E-42	0.292782	hyper	sig	chr4_21304431
chr7	1.57E+08	157004312	+	1.489E-44	3.33206E-42	0.297627	hyper	sig	chr7_157004312
chr16	1543559	1543559	+	1.49E-44	3.33346E-42	-0.2829	hypo	sig	chr16_1543559
chr11	1.29E+08	128693102	+	1.505E-44	3.36682E-42	0.24699	hyper	sig	chr11_128693102
chr8	17027785	17027785	+	1.51E-44	3.37756E-42	0.40047	hyper	sig	chr8_17027785
chr5	3592494	3592494	+	1.533E-44	3.42676E-42	0.267655	hyper	sig	chr5_3592494
chr7	1568280	1568280	+	1.554E-44	3.47421E-42	-0.34431	hypo	sig	chr7_1568280
chr5	1.41E+08	141421331	+	1.565E-44	3.49643E-42	0.299071	hyper	sig	chr5_141421331
chr7	1602227	1602227	+	1.568E-44	3.503E-42	-0.3179	hypo	sig	chr7_1602227
chr6	72621603	72621603	+	1.577E-44	3.52162E-42	0.29271	hyper	sig	chr6_72621603
chr12	54047359	54047359	+	1.58E-44	3.52854E-42	0.375604	hyper	sig	chr12_54047359
chr13	1.02E+08	101916522	+	1.59E-44	3.54913E-42	0.355855	hyper	sig	chr13_101916522
chr1	2.35E+08	234723260	+	1.598E-44	3.56718E-42	-0.35633	hypo	sig	chr1_234723260
chr1	1.47E+08	147078918	+	1.609E-44	3.58904E-42	0.303109	hyper	sig	chr1_147078918
chr11	8168999	8168999	+	1.624E-44	3.62217E-42	0.257361	hyper	sig	chr11_8168999
chr13	25171681	25171681	+	1.639E-44	3.65438E-42	0.345294	hyper	sig	chr13_25171681
chr2	1.3E+08	129979921	+	1.643E-44	3.66285E-42	0.277133	hyper	sig	chr2_129979921
chr17	65538275	65538275	+	1.648E-44	3.67355E-42	-0.38119	hypo	sig	chr17_65538275
chr14	37585554	37585554	+	1.649E-44	3.67488E-42	0.300063	hyper	sig	chr14_37585554
chr3	1.47E+08	147407985	+	1.662E-44	3.70133E-42	0.314314	hyper	sig	chr3_147407985
chr3	6861562	6861562	+	1.671E-44	3.7208E-42	0.428803	hyper	sig	chr3_6861562
chr15	52801239	52801239	+	1.673E-44	3.72395E-42	0.267652	hyper	sig	chr15_52801239
chr5	1.41E+08	141382694	+	1.678E-44	3.7336E-42	0.287834	hyper	sig	chr5_141382694
chr18	12254396	12254396	+	1.68E-44	3.73847E-42	0.350753	hyper	sig	chr18_12254396
chr7	97007462	97007462	+	1.7E-44	3.78036E-42	0.300478	hyper	sig	chr7_97007462
chr13	1.12E+08	112069234	+	1.702E-44	3.78445E-42	0.285261	hyper	sig	chr13_112069234
chr19	22634374	22634374	+	1.727E-44	3.83861E-42	0.298393	hyper	sig	chr19_22634374
chr8	26051947	26051947	+	1.761E-44	3.91471E-42	0.326615	hyper	sig	chr8_26051947

chr19	3344244	3344244	+	1.769E-44	3.93007E-42	-0.30193	hypo	sig	chr19_3344244
chr6	29554055	29554055	+	1.789E-44	3.97209E-42	0.43017	hyper	sig	chr6_29554055
chr4	1056090	1056090	+	1.79E-44	3.97395E-42	-0.20976	hypo	sig	chr4_1056090
chr8	24915767	24915767	+	1.794E-44	3.98098E-42	0.306706	hyper	sig	chr8_24915767
chr15	28832450	28832450	+	1.803E-44	4.00099E-42	0.343277	hyper	sig	chr15_28832450
chr12	95549124	95549124	+	1.805E-44	4.00373E-42	0.233406	hyper	sig	chr12_95549124
chr15	83206940	83206940	+	1.808E-44	4.00948E-42	0.263687	hyper	sig	chr15_83206940
chr13	1.12E+08	112132393	+	1.819E-44	4.03202E-42	-0.31282	hypo	sig	chr13_112132393
chr8	23710086	23710086	+	1.865E-44	4.13447E-42	0.286873	hyper	sig	chr8_23710086
chr11	1.29E+08	128824314	+	1.867E-44	4.13684E-42	0.309604	hyper	sig	chr11_128824314
chr15	79091519	79091519	+	1.873E-44	4.14951E-42	0.219082	hyper	sig	chr15_79091519
chr8	23710094	23710094	+	1.886E-44	4.17679E-42	0.285199	hyper	sig	chr8_23710094
chr10	1.32E+08	132245327	+	1.908E-44	4.22453E-42	-0.29253	hypo	sig	chr10_132245327
chr3	27723787	27723787	+	1.91E-44	4.22715E-42	0.370433	hyper	sig	chr3_27723787
chr12	1.3E+08	130042387	+	1.918E-44	4.24496E-42	0.295028	hyper	sig	chr12_130042387
chr12	95549131	95549131	+	1.944E-44	4.30023E-42	0.231488	hyper	sig	chr12_95549131
chr8	64369660	64369660	+	1.949E-44	4.31095E-42	0.311069	hyper	sig	chr8_64369660
chr6	436594	436594	+	1.973E-44	4.36261E-42	-0.31435	hypo	sig	chr6_436594
chr7	1.51E+08	151396015	+	1.976E-44	4.36716E-42	-0.34955	hypo	sig	chr7_151396015
chr4	1.55E+08	154742572	+	1.981E-44	4.37783E-42	0.271487	hyper	sig	chr4_154742572
chr5	430289	430289	+	1.982E-44	4.37944E-42	-0.23346	hypo	sig	chr5_430289
chr5	44389736	44389736	+	1.991E-44	4.39695E-42	0.323314	hyper	sig	chr5_44389736
chr11	1.12E+08	112499865	+	1.994E-44	4.40177E-42	-0.33335	hypo	sig	chr11_112499865
chr22	41699364	41699364	+	2.003E-44	4.42051E-42	0.293729	hyper	sig	chr22_41699364
chr8	1.42E+08	142126241	+	2.01E-44	4.43565E-42	-0.3184	hypo	sig	chr8_142126241
chr14	36513484	36513484	+	2.021E-44	4.45892E-42	0.261358	hyper	sig	chr14_36513484
chr11	47337481	47337481	+	2.031E-44	4.48047E-42	-0.35434	hypo	sig	chr11_47337481
chr3	35640124	35640124	+	2.045E-44	4.50924E-42	0.329633	hyper	sig	chr3_35640124
chr8	1.44E+08	144047090	+	2.066E-44	4.55444E-42	-0.32887	hypo	sig	chr8_144047090
chr3	1.47E+08	147388776	+	2.073E-44	4.5685E-42	0.292886	hyper	sig	chr3_147388776
chr1	3651058	3651058	+	2.095E-44	4.61474E-42	0.311688	hyper	sig	chr1_3651058
chr5	14414870	14414870	+	2.095E-44	4.61474E-42	0.342631	hyper	sig	chr5_14414870
chr6	1.5E+08	149965021	+	2.096E-44	4.61474E-42	0.31014	hyper	sig	chr6_149965021
chr2	1.19E+08	119432662	+	2.13E-44	4.68741E-42	-0.25553	hypo	sig	chr2_119432662
chr3	1.26E+08	125756244	+	2.138E-44	4.70496E-42	-0.45254	hypo	sig	chr3_125756244
chr6	71420912	71420912	+	2.143E-44	4.7129E-42	0.348751	hyper	sig	chr6_71420912
chr2	2.42E+08	241985792	+	2.157E-44	4.74231E-42	-0.39236	hypo	sig	chr2_241985792
chr19	58440156	58440156	+	2.168E-44	4.76653E-42	0.206033	hyper	sig	chr19_58440156
chr17	78140939	78140939	+	2.187E-44	4.80579E-42	-0.38966	hypo	sig	chr17_78140939
chr16	67161893	67161893	+	2.264E-44	4.97538E-42	-0.32067	hypo	sig	chr16_67161893
chr5	1.59E+08	159100765	+	2.268E-44	4.98116E-42	0.259804	hyper	sig	chr5_159100765
chr15	83206897	83206897	+	2.285E-44	5.01799E-42	0.264209	hyper	sig	chr15_83206897
chr7	23247904	23247904	+	2.286E-44	5.01971E-42	0.348127	hyper	sig	chr7_23247904
chr7	119663	119663	+	2.3E-44	5.04868E-42	-0.26913	hypo	sig	chr7_119663
chr12	54014901	54014901	+	2.377E-44	5.21628E-42	0.392131	hyper	sig	chr12_54014901
chr2	1059174	1059174	+	2.378E-44	5.21628E-42	-0.29688	hypo	sig	chr2_1059174
chr11	71615593	71615593	+	2.392E-44	5.24613E-42	-0.40794	hypo	sig	chr11_71615593
chr8	66963213	66963213	+	2.464E-44	5.40273E-42	0.266744	hyper	sig	chr8_66963213
chr2	1.19E+08	118841969	+	2.465E-44	5.40369E-42	0.265363	hyper	sig	chr2_118841969
chr1	1.11E+08	110675093	+	2.467E-44	5.40558E-42	0.417226	hyper	sig	chr1_110675093
chr6	62286738	62286738	+	2.483E-44	5.43947E-42	0.383749	hyper	sig	chr6_62286738
chr17	64778824	64778824	+	2.487E-44	5.44757E-42	0.337976	hyper	sig	chr17_64778824
chr2	2.41E+08	241189398	+	2.519E-44	5.51536E-42	-0.45739	hypo	sig	chr2_241189398
chr11	86195327	86195327	+	2.537E-44	5.55242E-42	-0.28443	hypo	sig	chr11_86195327
chr3	50303852	50303852	+	2.537E-44	5.55266E-42	-0.29608	hypo	sig	chr3_50303852
chr6	32043729	32043729	+	2.561E-44	5.60185E-42	-0.33008	hypo	sig	chr6_32043729

chr3	1.38E+08	137769666	+	2.564E-44	5.60796E-42	0.273852	hyper	sig	chr3_137769666
chr16	67982360	67982360	+	2.593E-44	5.66922E-42	-0.41405	hypo	sig	chr16_67982360
chr20	21516099	21516099	+	2.61E-44	5.70601E-42	0.313301	hyper	sig	chr20_21516099
chr7	54544698	54544698	+	2.642E-44	5.77465E-42	0.381546	hyper	sig	chr7_54544698
chr8	1.44E+08	144046796	+	2.676E-44	5.8461E-42	-0.35617	hypo	sig	chr8_144046796
chr4	11427898	11427898	+	2.729E-44	5.96024E-42	0.339024	hyper	sig	chr4_11427898
chr12	54014878	54014878	+	2.737E-44	5.9776E-42	0.40125	hyper	sig	chr12_54014878
chr9	19789289	19789289	+	2.754E-44	6.01296E-42	0.366792	hyper	sig	chr9_19789289
chr1	2496676	2496676	+	2.762E-44	6.02744E-42	-0.35	hypo	sig	chr1_2496676
chr3	1.7E+08	169822670	+	2.791E-44	6.08968E-42	-0.46152	hypo	sig	chr3_169822670
chr17	82342289	82342289	+	2.803E-44	6.11419E-42	-0.26945	hypo	sig	chr17_82342289
chr7	1.58E+08	158238076	+	2.833E-44	6.17708E-42	-0.3424	hypo	sig	chr7_158238076
chr4	1.47E+08	146640547	+	2.836E-44	6.18295E-42	0.310684	hyper	sig	chr4_146640547
chr11	1.11E+08	111283976	+	2.841E-44	6.19183E-42	-0.34861	hypo	sig	chr11_111283976
chr4	1.11E+08	110628896	+	2.874E-44	6.26298E-42	0.336458	hyper	sig	chr4_110628896
chr4	1.72E+08	171813125	+	2.902E-44	6.32191E-42	0.283732	hyper	sig	chr4_171813125
chr13	27924850	27924850	+	2.904E-44	6.32446E-42	0.370688	hyper	sig	chr13_27924850
chr19	58059059	58059059	+	2.92E-44	6.35704E-42	0.358376	hyper	sig	chr19_58059059
chr13	29480294	29480294	+	2.948E-44	6.41597E-42	-0.39511	hypo	sig	chr13_29480294
chr6	62285971	62285971	+	2.965E-44	6.45113E-42	0.416281	hyper	sig	chr6_62285971
chr17	34156995	34156995	+	2.985E-44	6.49419E-42	0.281033	hyper	sig	chr17_34156995
chr13	1.1E+08	109781258	+	2.996E-44	6.51555E-42	-0.29303	hypo	sig	chr13_109781258
chr16	561985	561985	+	2.998E-44	6.5189E-42	-0.32848	hypo	sig	chr16_561985
chr12	80708732	80708732	+	3.012E-44	6.54694E-42	0.312926	hyper	sig	chr12_80708732
chr15	89407576	89407576	+	3.013E-44	6.54801E-42	0.242401	hyper	sig	chr15_89407576
chr12	54053771	54053771	+	3.014E-44	6.54832E-42	0.385043	hyper	sig	chr12_54053771
chr3	1.58E+08	158095828	+	3.018E-44	6.55585E-42	0.379339	hyper	sig	chr3_158095828
chr15	88255435	88255435	+	3.038E-44	6.59633E-42	0.270784	hyper	sig	chr15_88255435
chr16	84851654	84851654	+	3.069E-44	6.66254E-42	-0.40467	hypo	sig	chr16_84851654
chr5	1.41E+08	141485031	+	3.08E-44	6.68398E-42	0.354002	hyper	sig	chr5_141485031
chr12	1.33E+08	132904958	+	3.104E-44	6.7353E-42	0.30447	hyper	sig	chr12_132904958
chr4	1.11E+08	110630878	+	3.109E-44	6.74329E-42	0.291907	hyper	sig	chr4_110630878
chr9	1.37E+08	137031468	+	3.127E-44	6.78161E-42	-0.31635	hypo	sig	chr9_137031468
chr1	2.35E+08	234723211	+	3.137E-44	6.8006E-42	-0.39506	hypo	sig	chr1_234723211
chr6	1.08E+08	108174474	+	3.18E-44	6.89222E-42	0.273428	hyper	sig	chr6_108174474
chr16	3305424	3305424	+	3.228E-44	6.9951E-42	0.222261	hyper	sig	chr16_3305424
chr3	1.8E+08	180036733	+	3.264E-44	7.06945E-42	0.300723	hyper	sig	chr3_180036733
chr4	1.25E+08	125317748	+	3.269E-44	7.07829E-42	0.298922	hyper	sig	chr4_125317748
chr16	86496362	86496362	+	3.274E-44	7.08852E-42	0.299228	hyper	sig	chr16_86496362
chr7	45921665	45921665	+	3.281E-44	7.10199E-42	0.329864	hyper	sig	chr7_45921665
chr16	85643337	85643337	+	3.388E-44	7.33178E-42	-0.36383	hypo	sig	chr16_85643337
chr10	79242800	79242800	+	3.413E-44	7.38285E-42	0.399532	hyper	sig	chr10_79242800
chr17	81524518	81524518	+	3.417E-44	7.39082E-42	-0.35597	hypo	sig	chr17_81524518
chr16	85484000	85484000	+	3.427E-44	7.40901E-42	-0.30627	hypo	sig	chr16_85484000
chr4	962825	962825	+	3.459E-44	7.47723E-42	-0.30059	hypo	sig	chr4_962825
chr1	50417719	50417719	+	3.489E-44	7.5393E-42	0.235907	hyper	sig	chr1_50417719
chr4	1.74E+08	173530158	+	3.506E-44	7.57394E-42	0.273816	hyper	sig	chr4_173530158
chr14	77140605	77140605	+	3.542E-44	7.65015E-42	0.287059	hyper	sig	chr14_77140605
chr3	1.7E+08	169822291	+	3.556E-44	7.67849E-42	-0.52016	hypo	sig	chr3_169822291
chr3	28575799	28575799	+	3.561E-44	7.68672E-42	0.330892	hyper	sig	chr3_28575799
chr16	49278124	49278124	+	3.562E-44	7.68736E-42	0.381073	hyper	sig	chr16_49278124
chr1	2.28E+08	228321728	+	3.596E-44	7.7584E-42	-0.3096	hypo	sig	chr1_228321728
chr3	1.51E+08	150520470	+	3.608E-44	7.78213E-42	-0.40551	hypo	sig	chr3_150520470
chr6	1.61E+08	160767497	+	3.619E-44	7.80299E-42	0.278981	hyper	sig	chr6_160767497
chr6	98835965	98835965	+	3.647E-44	7.86318E-42	0.230785	hyper	sig	chr6_98835965
chr7	1.59E+08	159112639	+	3.649E-44	7.86388E-42	0.277533	hyper	sig	chr7_159112639

chr12	54047220	54047220	+	3.654E-44	7.87326E-42	0.413167	hyper	sig	chr12_54047220
chr1	9721248	9721248	+	3.662E-44	7.88824E-42	-0.35969	hypo	sig	chr1_9721248
chr19	57527453	57527453	+	3.689E-44	7.94447E-42	0.224467	hyper	sig	chr19_57527453
chr6	98825718	98825718	+	3.756E-44	8.08633E-42	0.292877	hyper	sig	chr6_98825718
chr2	1.3E+08	130006047	+	3.815E-44	8.21158E-42	0.350982	hyper	sig	chr2_130006047
chr6	1594065	1594065	+	3.843E-44	8.26954E-42	-0.37754	hypo	sig	chr6_1594065
chr2	2.31E+08	231398439	+	3.866E-44	8.31574E-42	0.246143	hyper	sig	chr2_231398439
chr12	1.04E+08	104303627	+	3.921E-44	8.43204E-42	0.303826	hyper	sig	chr12_104303627
chr4	95549803	95549803	+	3.942E-44	8.47523E-42	0.280525	hyper	sig	chr4_95549803
chr12	95548152	95548152	+	3.943E-44	8.47539E-42	0.225827	hyper	sig	chr12_95548152
chr16	85485241	85485241	+	3.95E-44	8.48901E-42	-0.29755	hypo	sig	chr16_85485241
chr19	57191965	57191965	+	3.957E-44	8.50036E-42	0.212707	hyper	sig	chr19_57191965
chr17	81858674	81858674	+	3.967E-44	8.52049E-42	-0.26906	hypo	sig	chr17_81858674
chr2	1837360	1837360	+	4.018E-44	8.62477E-42	-0.3738	hypo	sig	chr2_1837360
chr6	1.37E+08	137494511	+	4.018E-44	8.62477E-42	0.282136	hyper	sig	chr6_137494511
chr4	1.22E+08	121765399	+	4.043E-44	8.67571E-42	0.284841	hyper	sig	chr4_121765399
chr11	1.34E+08	133935123	+	4.055E-44	8.70068E-42	-0.23721	hypo	sig	chr11_133935123
chr3	10993292	10993292	+	4.057E-44	8.70223E-42	0.310872	hyper	sig	chr3_10993292
chr4	1.33E+08	133151776	+	4.108E-44	8.80946E-42	0.30846	hyper	sig	chr4_133151776
chr12	1.33E+08	132904920	+	4.19E-44	8.98065E-42	0.291587	hyper	sig	chr12_132904920
chr8	1.42E+08	142464422	+	4.189E-44	8.98065E-42	0.254347	hyper	sig	chr8_142464422
chr12	1.04E+08	104303582	+	4.196E-44	8.98741E-42	0.341506	hyper	sig	chr12_104303582
chr7	97007403	97007403	+	4.195E-44	8.98741E-42	0.277221	hyper	sig	chr7_97007403
chr11	68843328	68843328	+	4.248E-44	9.09788E-42	-0.30462	hypo	sig	chr11_68843328
chr12	81077880	81077880	+	4.267E-44	9.13618E-42	0.338285	hyper	sig	chr12_81077880
chr17	48579322	48579322	+	4.284E-44	9.17068E-42	-0.33183	hypo	sig	chr17_48579322
chr4	5893388	5893388	+	4.297E-44	9.19452E-42	0.337278	hyper	sig	chr4_5893388
chr6	1.67E+08	166870840	+	4.308E-44	9.21664E-42	-0.43918	hypo	sig	chr6_166870840
chr4	6221805	6221805	+	4.379E-44	9.36502E-42	0.361001	hyper	sig	chr4_6221805
chr13	93227050	93227050	+	4.392E-44	9.39178E-42	0.313478	hyper	sig	chr13_93227050
chr3	1.47E+08	147409863	+	4.396E-44	9.39704E-42	0.285634	hyper	sig	chr3_147409863
chr1	1.53E+08	152775048	+	4.421E-44	9.4439E-42	-0.32433	hypo	sig	chr1_152775048
chr8	1.43E+08	142777225	+	4.42E-44	9.4439E-42	0.36438	hyper	sig	chr8_142777225
chr14	69850383	69850383	+	4.494E-44	9.59724E-42	-0.41745	hypo	sig	chr14_69850383
chr11	24496735	24496735	+	4.513E-44	9.63484E-42	0.285493	hyper	sig	chr11_24496735
chr11	1.23E+08	122979797	+	4.555E-44	9.72103E-42	0.320797	hyper	sig	chr11_122979797
chr3	1.47E+08	147396178	+	4.594E-44	9.80237E-42	0.341235	hyper	sig	chr3_147396178
chr10	3287650	3287650	+	4.597E-44	9.80649E-42	-0.30371	hypo	sig	chr10_3287650
chr5	54883839	54883839	+	4.604E-44	9.81655E-42	0.258079	hyper	sig	chr5_54883839
chr5	1.71E+08	171309212	+	4.604E-44	9.81655E-42	0.295868	hyper	sig	chr5_171309212
chr20	21515491	21515491	+	4.609E-44	9.82477E-42	0.261086	hyper	sig	chr20_21515491
chr19	3282182	3282182	+	4.63E-44	9.86688E-42	-0.35578	hypo	sig	chr19_3282182
chr16	51151144	51151144	+	4.649E-44	9.90451E-42	0.471379	hyper	sig	chr16_51151144
chr11	67452531	67452531	+	4.721E-44	1.00536E-41	-0.3018	hypo	sig	chr11_67452531
chr6	1.08E+08	108174768	+	4.757E-44	1.0129E-41	0.317964	hyper	sig	chr6_108174768
chr1	11042882	11042882	+	4.777E-44	1.01685E-41	-0.31569	hypo	sig	chr1_11042882
chr6	1.01E+08	101399830	+	4.791E-44	1.01956E-41	0.31158	hyper	sig	chr6_101399830
chr7	8442669	8442669	+	4.928E-44	1.04812E-41	0.297947	hyper	sig	chr7_8442669
chr1	7059063	7059063	+	4.938E-44	1.05008E-41	-0.33018	hypo	sig	chr1_7059063
chr6	401429	401429	+	4.953E-44	1.053E-41	-0.26441	hypo	sig	chr6_401429
chr9	1.37E+08	136745601	+	4.955E-44	1.05317E-41	-0.28296	hypo	sig	chr9_136745601
chr18	47931974	47931974	+	4.986E-44	1.05944E-41	-0.33101	hypo	sig	chr18_47931974
chr4	41747408	41747408	+	5.019E-44	1.06614E-41	0.375868	hyper	sig	chr4_41747408
chr16	67163319	67163319	+	5.031E-44	1.06846E-41	0.312522	hyper	sig	chr16_67163319
chr7	54544647	54544647	+	5.036E-44	1.06913E-41	0.349506	hyper	sig	chr7_54544647
chr10	79242693	79242693	+	5.049E-44	1.07158E-41	0.423561	hyper	sig	chr10_79242693

chr9	97852953	97852953	+	5.056E-44	1.07293E-41	0.339166	hyper	sig	chr9_97852953
chr12	95548177	95548177	+	5.068E-44	1.07477E-41	0.256635	hyper	sig	chr12_95548177
chr16	62036409	62036409	+	5.068E-44	1.07477E-41	0.327198	hyper	sig	chr16_62036409
chr17	9022976	9022976	+	5.072E-44	1.07534E-41	0.311444	hyper	sig	chr17_9022976
chr11	1.11E+08	111283974	+	5.073E-44	1.07539E-41	-0.35279	hypo	sig	chr11_111283974
chr1	1.19E+08	118987493	+	5.257E-44	1.11377E-41	0.267062	hyper	sig	chr1_118987493
chr2	20670470	20670470	+	5.258E-44	1.11377E-41	0.313932	hyper	sig	chr2_20670470
chr1	14599357	14599357	+	5.403E-44	1.1442E-41	0.302946	hyper	sig	chr1_14599357
chr15	82846596	82846596	+	5.408E-44	1.14484E-41	-0.30722	hypo	sig	chr15_82846596
chr1	2.21E+08	220884404	+	5.425E-44	1.14806E-41	0.281328	hyper	sig	chr1_220884404
chr5	1.41E+08	141234297	+	5.432E-44	1.14933E-41	0.373374	hyper	sig	chr5_141234297
chr13	93227368	93227368	+	5.514E-44	1.16635E-41	0.348001	hyper	sig	chr13_93227368
chr16	67163267	67163267	+	5.552E-44	1.1742E-41	0.301149	hyper	sig	chr16_67163267
chr5	1.41E+08	140841791	+	5.62E-44	1.1883E-41	0.326637	hyper	sig	chr5_140841791
chr12	1.32E+08	132261025	+	5.63E-44	1.19007E-41	-0.34328	hypo	sig	chr12_132261025
chr7	54542326	54542326	+	5.688E-44	1.20197E-41	0.369162	hyper	sig	chr7_54542326
chr13	78597047	78597047	+	5.691E-44	1.20233E-41	0.30412	hyper	sig	chr13_78597047
chr5	1.41E+08	141403190	+	5.737E-44	1.21173E-41	0.299642	hyper	sig	chr5_141403190
chr3	1.95E+08	195148069	+	5.749E-44	1.21383E-41	-0.30723	hypo	sig	chr3_195148069
chr17	81400891	81400891	+	5.877E-44	1.24054E-41	0.330178	hyper	sig	chr17_81400891
chr6	1E+08	100464210	+	5.88E-44	1.24095E-41	0.267984	hyper	sig	chr6_100464210
chr8	1931475	1931475	+	5.905E-44	1.24578E-41	-0.28591	hypo	sig	chr8_1931475
chr7	27102836	27102836	+	5.914E-44	1.24753E-41	0.329935	hyper	sig	chr7_27102836
chr2	70790439	70790439	+	5.992E-44	1.26353E-41	0.304549	hyper	sig	chr2_70790439
chr11	1075679	1075679	+	6.025E-44	1.27013E-41	-0.35007	hypo	sig	chr11_1075679
chr21	33025934	33025934	+	6.036E-44	1.27221E-41	0.385176	hyper	sig	chr21_33025934
chr3	1.93E+08	192514284	+	6.042E-44	1.27303E-41	0.388217	hyper	sig	chr3_192514284
chr9	1045644	1045644	+	6.103E-44	1.28558E-41	0.246534	hyper	sig	chr9_1045644
chr16	56190897	56190897	+	6.164E-44	1.29807E-41	0.297747	hyper	sig	chr16_56190897
chr8	53877132	53877132	+	6.25E-44	1.31558E-41	0.402778	hyper	sig	chr8_53877132
chr11	1040305	1040305	+	6.436E-44	1.35428E-41	-0.3857	hypo	sig	chr11_1040305
chr10	49614656	49614656	+	6.482E-44	1.36379E-41	0.254354	hyper	sig	chr10_49614656
chr5	1.35E+08	135028204	+	6.548E-44	1.37728E-41	0.393841	hyper	sig	chr5_135028204
chr2	1.39E+08	138780175	+	6.596E-44	1.38704E-41	0.281114	hyper	sig	chr2_138780175
chr3	1.47E+08	147409796	+	6.77E-44	1.42324E-41	0.302455	hyper	sig	chr3_147409796
chr16	89085413	89085413	+	6.913E-44	1.45286E-41	-0.31283	hypo	sig	chr16_89085413
chr11	1.23E+08	122979814	+	6.915E-44	1.45298E-41	0.319968	hyper	sig	chr11_122979814
chr4	1.55E+08	154741286	+	6.919E-44	1.45327E-41	0.297401	hyper	sig	chr4_154741286
chr21	45407670	45407670	+	6.96E-44	1.46156E-41	-0.32427	hypo	sig	chr21_45407670
chr5	1.46E+08	146339086	+	7.031E-44	1.47606E-41	0.265567	hyper	sig	chr5_146339086
chr3	1.47E+08	147410385	+	7.039E-44	1.47737E-41	0.316674	hyper	sig	chr3_147410385
chr7	1.55E+08	155467634	+	7.085E-44	1.48679E-41	0.331501	hyper	sig	chr7_155467634
chr8	22690165	22690165	+	7.137E-44	1.49718E-41	0.303707	hyper	sig	chr8_22690165
chr12	54029801	54029801	+	7.151E-44	1.49967E-41	0.314398	hyper	sig	chr12_54029801
chr7	93890281	93890281	+	7.229E-44	1.51568E-41	0.33455	hyper	sig	chr7_93890281
chr15	26773727	26773727	+	7.233E-44	1.51628E-41	0.39219	hyper	sig	chr15_26773727
chr16	2163776	2163776	+	7.271E-44	1.52384E-41	-0.2835	hypo	sig	chr16_2163776
chr10	22345297	22345297	+	7.322E-44	1.53412E-41	0.306998	hyper	sig	chr10_22345297
chr6	28810899	28810899	+	7.33E-44	1.5354E-41	0.27376	hyper	sig	chr6_28810899
chr8	17026788	17026788	+	7.335E-44	1.53588E-41	0.39021	hyper	sig	chr8_17026788
chr19	37551236	37551236	+	7.411E-44	1.55108E-41	0.327589	hyper	sig	chr19_37551236
chr6	1.68E+08	167678257	+	7.421E-44	1.55283E-41	0.344156	hyper	sig	chr6_167678257
chr5	1.41E+08	141420985	+	7.452E-44	1.5588E-41	0.295768	hyper	sig	chr5_141420985
chr2	31137925	31137925	+	7.478E-44	1.56397E-41	0.252323	hyper	sig	chr2_31137925
chr11	47337489	47337489	+	7.502E-44	1.56847E-41	-0.34535	hypo	sig	chr11_47337489
chr17	81858781	81858781	+	7.512E-44	1.57016E-41	-0.23594	hypo	sig	chr17_81858781

chr10	1.3E+08	129969864	+	7.52E-44	1.57152E-41	0.241712	hyper	sig	chr10_129969864
chr9	1.36E+08	136125802	+	7.542E-44	1.57565E-41	-0.28582	hypo	sig	chr9_136125802
chr8	42499264	42499264	+	7.774E-44	1.6237E-41	0.28122	hyper	sig	chr8_42499264
chr10	1.33E+08	133230002	+	7.82E-44	1.63285E-41	0.272735	hyper	sig	chr10_133230002
chr11	44311074	44311074	+	7.864E-44	1.64166E-41	0.261129	hyper	sig	chr11_44311074
chr12	4910767	4910767	+	7.87E-44	1.6424E-41	0.3094	hyper	sig	chr12_4910767
chr7	97020997	97020997	+	7.895E-44	1.64737E-41	0.290304	hyper	sig	chr7_97020997
chr12	81077899	81077899	+	7.951E-44	1.65861E-41	0.339123	hyper	sig	chr12_81077899
chr4	1.47E+08	146640634	+	7.973E-44	1.66264E-41	0.297683	hyper	sig	chr4_146640634
chr8	66963237	66963237	+	8.077E-44	1.68389E-41	0.291868	hyper	sig	chr8_66963237
chr2	47517899	47517899	+	8.079E-44	1.68398E-41	-0.26198	hypo	sig	chr2_47517899
chr12	1.33E+08	132524872	+	8.118E-44	1.69173E-41	-0.34209	hypo	sig	chr12_132524872
chr6	1.66E+08	165819526	+	8.131E-44	1.69397E-41	0.301001	hyper	sig	chr6_165819526
chr5	3590368	3590368	+	8.154E-44	1.69821E-41	0.323185	hyper	sig	chr5_3590368
chr11	1.29E+08	128824293	+	8.179E-44	1.70307E-41	0.339474	hyper	sig	chr11_128824293
chr6	52665382	52665382	+	8.197E-44	1.70639E-41	-0.34988	hypo	sig	chr6_52665382
chr5	1.16E+08	115816797	+	8.227E-44	1.71209E-41	0.329836	hyper	sig	chr5_115816797
chr10	1.33E+08	132817657	+	8.395E-44	1.7467E-41	-0.28004	hypo	sig	chr10_132817657
chr14	75281622	75281622	+	8.442E-44	1.75605E-41	-0.33001	hypo	sig	chr14_75281622
chr1	75132425	75132425	+	8.595E-44	1.78736E-41	0.379863	hyper	sig	chr1_75132425
chr4	1.47E+08	146640556	+	8.646E-44	1.79759E-41	0.303394	hyper	sig	chr4_146640556
chr13	93227417	93227417	+	8.688E-44	1.80586E-41	0.319678	hyper	sig	chr13_93227417
chr8	66432263	66432263	+	8.729E-44	1.81374E-41	0.303207	hyper	sig	chr8_66432263
chr20	38728186	38728186	+	8.736E-44	1.81479E-41	0.347587	hyper	sig	chr20_38728186
chr6	31776043	31776043	+	8.813E-44	1.82983E-41	-0.27284	hypo	sig	chr6_31776043
chr7	533459	533459	+	8.811E-44	1.82983E-41	-0.32724	hypo	sig	chr7_533459
chr3	1.94E+08	194255607	+	8.873E-44	1.84183E-41	-0.38232	hypo	sig	chr3_194255607
chr14	1.05E+08	104564879	+	8.992E-44	1.86604E-41	-0.297	hypo	sig	chr14_104564879
chr16	1288350	1288350	+	8.994E-44	1.8661E-41	-0.30595	hypo	sig	chr16_1288350
chr1	50417671	50417671	+	9.018E-44	1.8706E-41	0.228587	hyper	sig	chr1_50417671
chr10	22345263	22345263	+	9.101E-44	1.88725E-41	0.287366	hyper	sig	chr10_22345263
chr16	56190916	56190916	+	9.147E-44	1.89642E-41	0.265891	hyper	sig	chr16_56190916
chr4	1.07E+08	107036295	+	9.186E-44	1.90384E-41	0.300531	hyper	sig	chr4_107036295
chr15	52788279	52788279	+	9.365E-44	1.94057E-41	0.27508	hyper	sig	chr15_52788279
chr14	1.06E+08	105772986	+	9.374E-44	1.94184E-41	-0.33945	hypo	sig	chr14_105772986
chr3	1.88E+08	187670360	+	9.431E-44	1.95319E-41	0.303568	hyper	sig	chr3_187670360
chr17	48722286	48722286	+	9.484E-44	1.96366E-41	0.290187	hyper	sig	chr17_48722286
chr1	1.21E+08	121117025	+	9.576E-44	1.98233E-41	0.392122	hyper	sig	chr1_121117025
chr1	3068005	3068005	+	9.638E-44	1.99455E-41	0.255814	hyper	sig	chr1_3068005
chr7	1.01E+08	100865756	+	9.741E-44	2.01527E-41	-0.41848	hypo	sig	chr7_100865756
chr7	1.58E+08	157851517	+	9.765E-44	2.01984E-41	-0.30445	hypo	sig	chr7_157851517
chr17	16690325	16690325	+	9.802E-44	2.02697E-41	0.217486	hyper	sig	chr17_16690325
chr16	67161737	67161737	+	9.813E-44	2.02873E-41	-0.32545	hypo	sig	chr16_67161737
chr5	64506316	64506316	+	9.961E-44	2.05885E-41	0.205338	hyper	sig	chr5_64506316
chr7	45922179	45922179	+	1.008E-43	2.08191E-41	0.33945	hyper	sig	chr7_45922179
chr11	64223108	64223108	+	1.014E-43	2.09403E-41	-0.2815	hypo	sig	chr11_64223108
chr19	53467549	53467549	+	1.02E-43	2.10676E-41	0.233493	hyper	sig	chr19_53467549
chr4	42152786	42152786	+	1.029E-43	2.12521E-41	0.387117	hyper	sig	chr4_42152786
chr7	1.37E+08	136869139	+	1.056E-43	2.17988E-41	0.41003	hyper	sig	chr7_136869139
chr6	98835945	98835945	+	1.057E-43	2.18172E-41	0.253836	hyper	sig	chr6_98835945
chr1	1.44E+08	143905716	+	1.067E-43	2.20237E-41	0.257041	hyper	sig	chr1_143905716
chr4	1.56E+08	155760218	+	1.069E-43	2.20536E-41	0.231492	hyper	sig	chr4_155760218
chr17	8408333	8408333	+	1.084E-43	2.2343E-41	-0.29776	hypo	sig	chr17_8408333
chr5	1.78E+08	178449864	+	1.088E-43	2.24341E-41	-0.3028	hypo	sig	chr5_178449864
chr5	1.41E+08	141485059	+	1.09E-43	2.2474E-41	0.352783	hyper	sig	chr5_141485059
chr14	69850337	69850337	+	1.094E-43	2.25354E-41	-0.44866	hypo	sig	chr14_69850337

chr17	76872643	76872643	+	1.109E-43	2.28487E-41	-0.20665	hypo	sig	chr17_76872643
chr10	1.01E+08	101134360	+	1.114E-43	2.29355E-41	0.240086	hyper	sig	chr10_101134360
chr11	1.29E+08	128876412	+	1.116E-43	2.29829E-41	-0.27188	hypo	sig	chr11_128876412
chr6	1.68E+08	168444054	+	1.117E-43	2.29829E-41	0.312003	hyper	sig	chr6_168444054
chr17	16379120	16379120	+	1.119E-43	2.30219E-41	-0.27725	hypo	sig	chr17_16379120
chr3	1.7E+08	169822362	+	1.139E-43	2.34324E-41	-0.50582	hypo	sig	chr3_169822362
chr1	2.28E+08	228464753	+	1.141E-43	2.34635E-41	0.286161	hyper	sig	chr1_228464753
chr10	1736605	1736605	+	1.143E-43	2.35009E-41	0.288863	hyper	sig	chr10_1736605
chr6	75205030	75205030	+	1.144E-43	2.35193E-41	0.256072	hyper	sig	chr6_75205030
chr1	53738733	53738733	+	1.159E-43	2.38155E-41	0.213812	hyper	sig	chr1_53738733
chr10	49115204	49115204	+	1.167E-43	2.3979E-41	0.306416	hyper	sig	chr10_49115204
chr11	47337523	47337523	+	1.181E-43	2.42623E-41	-0.32177	hypo	sig	chr11_47337523
chr6	50724448	50724448	+	1.184E-43	2.43082E-41	0.264921	hyper	sig	chr6_50724448
chr13	93228359	93228359	+	1.186E-43	2.43571E-41	0.349971	hyper	sig	chr13_93228359
chr19	21851985	21851985	+	1.188E-43	2.43891E-41	0.229444	hyper	sig	chr19_21851985
chr5	1.17E+08	116576597	+	1.227E-43	2.51729E-41	0.281355	hyper	sig	chr5_116576597
chr4	1.11E+08	110628860	+	1.231E-43	2.52467E-41	0.340912	hyper	sig	chr4_110628860
chr10	1736595	1736595	+	1.232E-43	2.527E-41	0.301756	hyper	sig	chr10_1736595
chr19	44448505	44448505	+	1.232E-43	2.527E-41	0.244014	hyper	sig	chr19_44448505
chr13	78607970	78607970	+	1.235E-43	2.53118E-41	0.35601	hyper	sig	chr13_78607970
chr11	94769392	94769392	+	1.24E-43	2.54203E-41	0.261741	hyper	sig	chr11_94769392
chr17	48726842	48726842	+	1.249E-43	2.55931E-41	0.252822	hyper	sig	chr17_48726842
chr7	27103020	27103020	+	1.254E-43	2.56882E-41	0.345933	hyper	sig	chr7_27103020
chr8	96159073	96159073	+	1.267E-43	2.59548E-41	0.37217	hyper	sig	chr8_96159073
chr1	75131127	75131127	+	1.276E-43	2.61334E-41	0.250336	hyper	sig	chr1_75131127
chr5	1794306	1794306	+	1.308E-43	2.67681E-41	-0.28486	hypo	sig	chr5_1794306
chr19	56368074	56368074	+	1.333E-43	2.7274E-41	0.381118	hyper	sig	chr19_56368074
chr20	24470882	24470882	+	1.344E-43	2.7492E-41	0.249839	hyper	sig	chr20_24470882
chr17	16690622	16690622	+	1.379E-43	2.81981E-41	0.308771	hyper	sig	chr17_16690622
chr5	1.16E+08	115816322	+	1.406E-43	2.87592E-41	0.35536	hyper	sig	chr5_115816322
chr3	1.97E+08	196650937	+	1.417E-43	2.89612E-41	-0.34862	hypo	sig	chr3_196650937
chr1	75131309	75131309	+	1.436E-43	2.93565E-41	0.247474	hyper	sig	chr1_75131309
chr5	54883775	54883775	+	1.443E-43	2.94784E-41	0.280302	hyper	sig	chr5_54883775
chr4	65669901	65669901	+	1.448E-43	2.95833E-41	0.275369	hyper	sig	chr4_65669901
chr7	85185840	85185840	+	1.448E-43	2.95833E-41	0.209383	hyper	sig	chr7_85185840
chr7	35261463	35261463	+	1.455E-43	2.96996E-41	0.262797	hyper	sig	chr7_35261463
chr4	1.22E+08	121765389	+	1.472E-43	3.0052E-41	0.298488	hyper	sig	chr4_121765389
chr13	50132604	50132604	+	1.474E-43	3.00799E-41	0.376652	hyper	sig	chr13_50132604
chr8	1.43E+08	143272964	+	1.477E-43	3.01429E-41	-0.26867	hypo	sig	chr8_143272964
chr17	16690629	16690629	+	1.512E-43	3.08482E-41	0.291508	hyper	sig	chr17_16690629
chr4	6693653	6693653	+	1.522E-43	3.103E-41	-0.29156	hypo	sig	chr4_6693653
chr10	7408531	7408531	+	1.527E-43	3.11264E-41	0.34259	hyper	sig	chr10_7408531
chr3	62378463	62378463	+	1.53E-43	3.11781E-41	0.247282	hyper	sig	chr3_62378463
chr13	27926732	27926732	+	1.531E-43	3.11889E-41	0.407708	hyper	sig	chr13_27926732
chr15	55588808	55588808	+	1.541E-43	3.13842E-41	0.275704	hyper	sig	chr15_55588808
chr5	1.11E+08	111070835	+	1.58E-43	3.21743E-41	0.333629	hyper	sig	chr5_111070835
chr2	1.82E+08	181684597	+	1.585E-43	3.22597E-41	0.387735	hyper	sig	chr2_181684597
chr7	2572430	2572430	+	1.585E-43	3.22597E-41	-0.31228	hypo	sig	chr7_2572430
chr16	56190899	56190899	+	1.59E-43	3.23641E-41	0.273356	hyper	sig	chr16_56190899
chr11	1.11E+08	111283988	+	1.617E-43	3.28991E-41	-0.32068	hypo	sig	chr11_111283988
chr12	54014880	54014880	+	1.618E-43	3.29169E-41	0.389065	hyper	sig	chr12_54014880
chr8	54458480	54458480	+	1.644E-43	3.34371E-41	0.275365	hyper	sig	chr8_54458480
chr20	23048691	23048691	+	1.655E-43	3.36411E-41	0.295852	hyper	sig	chr20_23048691
chr6	29554042	29554042	+	1.655E-43	3.36488E-41	0.418758	hyper	sig	chr6_29554042
chr17	48722360	48722360	+	1.673E-43	3.40027E-41	0.258902	hyper	sig	chr17_48722360
chr1	1.71E+08	170661373	+	1.711E-43	3.47523E-41	0.294755	hyper	sig	chr1_170661373

chr1	9719244	9719244	+	1.716E-43	3.48642E-41	-0.22671	hypo	sig	chr1_9719244
chr19	1526510	1526510	+	1.719E-43	3.49079E-41	-0.3452	hypo	sig	chr19_1526510
chr12	72273939	72273939	+	1.72E-43	3.49165E-41	0.353418	hyper	sig	chr12_72273939
chr16	88691295	88691295	+	1.734E-43	3.51891E-41	-0.30887	hypo	sig	chr16_88691295
chr13	93228365	93228365	+	1.739E-43	3.52791E-41	0.350817	hyper	sig	chr13_93228365
chr3	1.97E+08	196650944	+	1.744E-43	3.53811E-41	-0.34675	hypo	sig	chr3_196650944
chr16	84851611	84851611	+	1.747E-43	3.54392E-41	-0.41634	hypo	sig	chr16_84851611
chr8	96159791	96159791	+	1.762E-43	3.5728E-41	0.328967	hyper	sig	chr8_96159791
chr2	88765862	88765862	+	1.782E-43	3.61293E-41	0.290271	hyper	sig	chr2_88765862
chr16	56190953	56190953	+	1.785E-43	3.61795E-41	0.288354	hyper	sig	chr16_56190953
chr2	2.34E+08	233939039	+	1.808E-43	3.66221E-41	0.335531	hyper	sig	chr2_233939039
chr3	6862489	6862489	+	1.844E-43	3.73495E-41	0.323396	hyper	sig	chr3_6862489
chr8	71843591	71843591	+	1.87E-43	3.78746E-41	0.294498	hyper	sig	chr8_71843591
chr2	1.19E+08	118841963	+	1.883E-43	3.8121E-41	0.250632	hyper	sig	chr2_118841963
chr16	88375716	88375716	+	1.886E-43	3.81764E-41	-0.30654	hypo	sig	chr16_88375716
chr19	57584220	57584220	+	1.904E-43	3.85311E-41	0.403425	hyper	sig	chr19_57584220
chr13	35478918	35478918	+	1.908E-43	3.85915E-41	0.33084	hyper	sig	chr13_35478918
chr6	10425279	10425279	+	1.918E-43	3.87935E-41	0.351871	hyper	sig	chr6_10425279
chr17	83063646	83063646	+	1.925E-43	3.89155E-41	-0.29315	hypo	sig	chr17_83063646
chr15	1.01E+08	100880410	+	1.935E-43	3.91131E-41	0.363632	hyper	sig	chr15_100880410
chr19	57320864	57320864	+	1.942E-43	3.92418E-41	0.261026	hyper	sig	chr19_57320864
chr2	1.19E+08	118857925	+	1.956E-43	3.95209E-41	0.295473	hyper	sig	chr2_118857925
chr2	1.19E+08	118842254	+	1.963E-43	3.9647E-41	0.336863	hyper	sig	chr2_118842254
chr2	1.81E+08	181457121	+	1.98E-43	3.99851E-41	0.27071	hyper	sig	chr2_181457121
chr13	93227412	93227412	+	1.983E-43	4.0034E-41	0.319429	hyper	sig	chr13_93227412
chr11	865744	865744	+	1.997E-43	4.03072E-41	-0.34257	hypo	sig	chr11_865744
chr2	2.41E+08	240617266	+	1.997E-43	4.03072E-41	-0.39069	hypo	sig	chr2_240617266
chr8	1.43E+08	142515460	+	1.999E-43	4.03264E-41	-0.28981	hypo	sig	chr8_142515460
chr14	41608454	41608454	+	2.04E-43	4.11506E-41	0.343473	hyper	sig	chr14_41608454
chr8	64585924	64585924	+	2.048E-43	4.13063E-41	0.275764	hyper	sig	chr8_64585924
chr13	94705459	94705459	+	2.06E-43	4.15394E-41	0.282262	hyper	sig	chr13_94705459
chr10	55628329	55628329	+	2.067E-43	4.16517E-41	0.310376	hyper	sig	chr10_55628329
chr3	1.16E+08	115790827	+	2.106E-43	4.24328E-41	-0.39323	hypo	sig	chr3_115790827
chr7	19107598	19107598	+	2.119E-43	4.26829E-41	0.246212	hyper	sig	chr7_19107598
chr4	1056075	1056075	+	2.145E-43	4.31987E-41	-0.21882	hypo	sig	chr4_1056075
chr12	4909589	4909589	+	2.192E-43	4.4128E-41	0.236513	hyper	sig	chr12_4909589
chr20	21513999	21513999	+	2.271E-43	4.57155E-41	0.230479	hyper	sig	chr20_21513999
chr16	62036197	62036197	+	2.282E-43	4.59153E-41	0.305797	hyper	sig	chr16_62036197
chr1	1.08E+08	107965892	+	2.326E-43	4.67948E-41	0.315293	hyper	sig	chr1_107965892
chr12	4909578	4909578	+	2.338E-43	4.70309E-41	0.261018	hyper	sig	chr12_4909578
chr4	20253564	20253564	+	2.34E-43	4.70486E-41	0.336794	hyper	sig	chr4_20253564
chr3	1.33E+08	133398725	+	2.352E-43	4.72926E-41	-0.31602	hypo	sig	chr3_133398725
chr10	49610661	49610661	+	2.377E-43	4.77736E-41	0.276197	hyper	sig	chr10_49610661
chr16	23836247	23836247	+	2.415E-43	4.85208E-41	0.314897	hyper	sig	chr16_23836247
chr7	1.54E+08	154053315	+	2.415E-43	4.85208E-41	0.328307	hyper	sig	chr7_154053315
chr12	95548163	95548163	+	2.463E-43	4.94619E-41	0.245065	hyper	sig	chr12_95548163
chr1	75134706	75134706	+	2.483E-43	4.98581E-41	0.277017	hyper	sig	chr1_75134706
chr17	44558072	44558072	+	2.491E-43	5.0015E-41	0.228407	hyper	sig	chr17_44558072
chr13	1.12E+08	112067847	+	2.497E-43	5.01226E-41	0.306258	hyper	sig	chr13_112067847
chr7	19107622	19107622	+	2.507E-43	5.03068E-41	0.225266	hyper	sig	chr7_19107622
chr11	67665210	67665210	+	2.508E-43	5.03114E-41	-0.31735	hypo	sig	chr11_67665210
chr15	90212872	90212872	+	2.523E-43	5.0604E-41	-0.29401	hypo	sig	chr15_90212872
chr17	52159094	52159094	+	2.58E-43	5.17374E-41	0.333931	hyper	sig	chr17_52159094
chr1	1.08E+08	107965905	+	2.592E-43	5.19512E-41	0.301197	hyper	sig	chr1_107965905
chr16	23836239	23836239	+	2.6E-43	5.21047E-41	0.293313	hyper	sig	chr16_23836239
chr3	62371253	62371253	+	2.609E-43	5.2282E-41	0.39916	hyper	sig	chr3_62371253

chr16	51156191	51156191	+	2.615E-43	5.23843E-41	0.353511	hyper	sig	chr16_51156191
chr7	19117618	19117618	+	2.635E-43	5.27597E-41	0.260284	hyper	sig	chr7_19117618
chr20	64053131	64053131	+	2.647E-43	5.29868E-41	-0.32331	hypo	sig	chr20_64053131
chr6	31776082	31776082	+	2.688E-43	5.3802E-41	-0.25501	hypo	sig	chr6_31776082
chr10	1.16E+08	116272574	+	2.723E-43	5.44961E-41	0.263307	hyper	sig	chr10_116272574
chr5	3602182	3602182	+	2.731E-43	5.46395E-41	0.339438	hyper	sig	chr5_3602182
chr19	48414948	48414948	+	2.748E-43	5.49581E-41	0.426675	hyper	sig	chr19_48414948
chr19	53521475	53521475	+	2.775E-43	5.54978E-41	0.330898	hyper	sig	chr19_53521475
chr13	93227048	93227048	+	2.786E-43	5.56876E-41	0.313601	hyper	sig	chr13_93227048
chr7	54542299	54542299	+	2.794E-43	5.5838E-41	0.361965	hyper	sig	chr7_54542299
chr16	67982342	67982342	+	2.816E-43	5.62768E-41	-0.45093	hypo	sig	chr16_67982342
chr3	1.88E+08	187670300	+	2.826E-43	5.64628E-41	0.319163	hyper	sig	chr3_187670300
chr1	1.19E+08	119000434	+	2.832E-43	5.6551E-41	0.354612	hyper	sig	chr1_119000434
chr6	1.5E+08	149965132	+	2.852E-43	5.69375E-41	0.342798	hyper	sig	chr6_149965132
chr8	84182669	84182669	+	2.856E-43	5.70174E-41	0.252843	hyper	sig	chr8_84182669
chr1	6078744	6078744	+	2.871E-43	5.72867E-41	-0.29956	hypo	sig	chr1_6078744
chr1	2496688	2496688	+	2.908E-43	5.80267E-41	-0.35241	hypo	sig	chr1_2496688
chr6	1.66E+08	165819487	+	2.922E-43	5.82896E-41	0.282804	hyper	sig	chr6_165819487
chr1	1.19E+08	118989421	+	2.958E-43	5.89898E-41	0.314733	hyper	sig	chr1_118989421
chr14	85529920	85529920	+	2.959E-43	5.89898E-41	0.295098	hyper	sig	chr14_85529920
chr3	6862418	6862418	+	2.974E-43	5.92862E-41	0.36251	hyper	sig	chr3_6862418
chr5	76372678	76372678	+	2.987E-43	5.95267E-41	-0.32138	hypo	sig	chr5_76372678
chr13	1.12E+08	112105387	+	3.001E-43	5.97778E-41	0.403927	hyper	sig	chr13_112105387
chr13	1.02E+08	102401079	+	3.034E-43	6.04289E-41	0.201348	hyper	sig	chr13_102401079
chr7	23247845	23247845	+	3.039E-43	6.0515E-41	0.303988	hyper	sig	chr7_23247845
chr13	1.12E+08	112069107	+	3.044E-43	6.06046E-41	0.332189	hyper	sig	chr13_112069107
chr1	3293223	3293223	+	3.108E-43	6.18605E-41	-0.46014	hypo	sig	chr1_3293223
chr6	62286759	62286759	+	3.109E-43	6.18605E-41	0.352562	hyper	sig	chr6_62286759
chr17	8965955	8965955	+	3.125E-43	6.21704E-41	0.292323	hyper	sig	chr17_8965955
chr2	1.39E+08	138780168	+	3.14E-43	6.24522E-41	0.299123	hyper	sig	chr2_138780168
chr5	1.41E+08	140841819	+	3.147E-43	6.25822E-41	0.331206	hyper	sig	chr5_140841819
chr12	1.32E+08	132261056	+	3.171E-43	6.30434E-41	-0.30797	hypo	sig	chr12_132261056
chr15	25863540	25863540	+	3.194E-43	6.34849E-41	0.333192	hyper	sig	chr15_25863540
chr3	1.27E+08	127036552	+	3.23E-43	6.41834E-41	-0.31133	hypo	sig	chr3_127036552
chr2	5981824	5981824	+	3.245E-43	6.44642E-41	0.397355	hyper	sig	chr2_5981824
chr16	89817720	89817720	+	3.248E-43	6.44941E-41	-0.3086	hypo	sig	chr16_89817720
chr8	71843629	71843629	+	3.254E-43	6.46086E-41	0.298366	hyper	sig	chr8_71843629
chr13	77918532	77918532	+	3.275E-43	6.5006E-41	0.287478	hyper	sig	chr13_77918532
chr14	28774213	28774213	+	3.291E-43	6.53058E-41	0.264869	hyper	sig	chr14_28774213
chr16	1288356	1288356	+	3.305E-43	6.55752E-41	-0.30729	hypo	sig	chr16_1288356
chr4	3649737	3649737	+	3.312E-43	6.56962E-41	-0.32918	hypo	sig	chr4_3649737
chr1	1.19E+08	118989468	+	3.316E-43	6.57563E-41	0.279217	hyper	sig	chr1_118989468
chr4	1.9E+08	190017973	+	3.32E-43	6.58292E-41	0.274833	hyper	sig	chr4_190017973
chr5	172795	172795	+	3.335E-43	6.60983E-41	-0.34688	hypo	sig	chr5_172795
chr20	21508602	21508602	+	3.345E-43	6.62823E-41	0.295068	hyper	sig	chr20_21508602
chr7	97021011	97021011	+	3.348E-43	6.63267E-41	0.247467	hyper	sig	chr7_97021011
chr1	50417700	50417700	+	3.357E-43	6.64815E-41	0.256961	hyper	sig	chr1_50417700
chr4	212712	212712	+	3.362E-43	6.65636E-41	0.277738	hyper	sig	chr4_212712
chr7	533462	533462	+	3.383E-43	6.69769E-41	-0.32227	hypo	sig	chr7_533462
chr14	47676432	47676432	+	3.401E-43	6.73073E-41	0.33936	hyper	sig	chr14_47676432
chr21	33026188	33026188	+	3.436E-43	6.79883E-41	0.377487	hyper	sig	chr21_33026188
chr12	1.14E+08	114441183	+	3.439E-43	6.80216E-41	0.307815	hyper	sig	chr12_114441183
chr1	37033917	37033917	+	3.454E-43	6.83161E-41	0.364151	hyper	sig	chr1_37033917
chr5	1.35E+08	135029302	+	3.552E-43	7.02389E-41	0.449156	hyper	sig	chr5_135029302
chr7	5304150	5304150	+	3.562E-43	7.04189E-41	-0.31339	hypo	sig	chr7_5304150
chr13	1.1E+08	109781505	+	3.578E-43	7.07169E-41	-0.38695	hypo	sig	chr13_109781505

chr16	89085421	89085421	+	3.606E-43	7.12478E-41	-0.31121	hypo	sig	chr16_89085421
chr20	40688559	40688559	+	3.627E-43	7.16525E-41	0.24156	hyper	sig	chr20_40688559
chr13	37869646	37869646	+	3.636E-43	7.18016E-41	0.269631	hyper	sig	chr13_37869646
chr11	1.09E+08	109423239	+	3.647E-43	7.20027E-41	0.27349	hyper	sig	chr11_109423239
chr16	67163275	67163275	+	3.729E-43	7.35993E-41	0.285046	hyper	sig	chr16_67163275
chr13	1.12E+08	112055254	+	3.756E-43	7.41193E-41	0.340708	hyper	sig	chr13_112055254
chr17	36939447	36939447	+	3.853E-43	7.60128E-41	0.280946	hyper	sig	chr17_36939447
chr17	48722383	48722383	+	3.864E-43	7.62055E-41	0.260871	hyper	sig	chr17_48722383
chr8	1.43E+08	143155111	+	3.932E-43	7.75321E-41	-0.24815	hypo	sig	chr8_143155111
chr3	1.47E+08	147408108	+	3.94E-43	7.76717E-41	0.327594	hyper	sig	chr3_147408108
chr4	1.25E+08	125316218	+	3.942E-43	7.76935E-41	0.271163	hyper	sig	chr4_125316218
chr3	62371322	62371322	+	3.957E-43	7.79798E-41	0.390504	hyper	sig	chr3_62371322
chr14	88326615	88326615	+	4E-43	7.88056E-41	0.228058	hyper	sig	chr14_88326615
chr19	35558495	35558495	+	4.013E-43	7.90282E-41	0.339931	hyper	sig	chr19_35558495
chr6	1.67E+08	166870949	+	4.024E-43	7.92329E-41	-0.24434	hypo	sig	chr6_166870949
chr7	8442640	8442640	+	4.06E-43	7.99325E-41	0.278107	hyper	sig	chr7_8442640
chr17	48972597	48972597	+	4.065E-43	8.00098E-41	-0.2138	hypo	sig	chr17_48972597
chr15	88256069	88256069	+	4.086E-43	8.03883E-41	0.208608	hyper	sig	chr15_88256069
chr1	1.53E+08	152909339	+	4.113E-43	8.0917E-41	-0.35699	hypo	sig	chr1_152909339
chr1	6089059	6089059	+	4.144E-43	8.15001E-41	-0.25703	hypo	sig	chr1_6089059
chr5	1.16E+08	115816788	+	4.157E-43	8.17319E-41	0.319429	hyper	sig	chr5_115816788
chr6	29792273	29792273	+	4.178E-43	8.21267E-41	0.347313	hyper	sig	chr6_29792273
chr12	84912566	84912566	+	4.2E-43	8.25475E-41	0.354958	hyper	sig	chr12_84912566
chr14	85532232	85532232	+	4.219E-43	8.28864E-41	0.314373	hyper	sig	chr14_85532232
chr16	51156276	51156276	+	4.234E-43	8.31637E-41	0.353172	hyper	sig	chr16_51156276
chr5	601120	601120	+	4.265E-43	8.3765E-41	-0.32984	hypo	sig	chr5_601120
chr19	23002768	23002768	+	4.275E-43	8.39342E-41	0.415535	hyper	sig	chr19_23002768
chr11	76152385	76152385	+	4.282E-43	8.40321E-41	-0.21643	hypo	sig	chr11_76152385
chr4	1.74E+08	173530197	+	4.282E-43	8.40321E-41	0.236239	hyper	sig	chr4_173530197
chr2	74499442	74499442	+	4.289E-43	8.41348E-41	0.239203	hyper	sig	chr2_74499442
chr7	1.02E+08	102440332	+	4.289E-43	8.41348E-41	-0.41384	hypo	sig	chr7_102440332
chr2	2.41E+08	241189372	+	4.352E-43	8.53329E-41	-0.43702	hypo	sig	chr2_241189372
chr1	1.45E+08	144567531	+	4.38E-43	8.58785E-41	0.356231	hyper	sig	chr1_144567531
chr1	1161308	1161308	+	4.396E-43	8.61674E-41	-0.35454	hypo	sig	chr1_1161308
chr11	614814	614814	+	4.405E-43	8.6308E-41	-0.32214	hypo	sig	chr11_614814
chr6	72621614	72621614	+	4.44E-43	8.69584E-41	0.270489	hyper	sig	chr6_72621614
chr8	1.16E+08	115667536	+	4.44E-43	8.69584E-41	0.314248	hyper	sig	chr8_115667536
chr8	96159755	96159755	+	4.556E-43	8.92023E-41	0.288406	hyper	sig	chr8_96159755
chr19	58059061	58059061	+	4.568E-43	8.942E-41	0.353373	hyper	sig	chr19_58059061
chr8	26051869	26051869	+	4.579E-43	8.96156E-41	0.306827	hyper	sig	chr8_26051869
chr12	54031372	54031372	+	4.606E-43	9.01279E-41	0.361267	hyper	sig	chr12_54031372
chr2	1.3E+08	130006049	+	4.644E-43	9.08471E-41	0.347767	hyper	sig	chr2_130006049
chr7	24284324	24284324	+	4.711E-43	9.21347E-41	0.319941	hyper	sig	chr7_24284324
chr2	2.19E+08	219057601	+	4.726E-43	9.24068E-41	0.248201	hyper	sig	chr2_219057601
chr16	55656469	55656469	+	4.805E-43	9.39222E-41	0.294128	hyper	sig	chr16_55656469
chr4	80267222	80267222	+	4.856E-43	9.49101E-41	0.314263	hyper	sig	chr4_80267222
chr4	1.11E+08	110630904	+	4.862E-43	9.50056E-41	0.268598	hyper	sig	chr4_110630904
chr7	1.58E+08	158450882	+	4.88E-43	9.53183E-41	-0.31298	hypo	sig	chr7_158450882
chr11	47337654	47337654	+	4.929E-43	9.6257E-41	-0.32163	hypo	sig	chr11_47337654
chr12	81078096	81078096	+	4.939E-43	9.64405E-41	0.336443	hyper	sig	chr12_81078096
chr2	10331266	10331266	+	4.962E-43	9.6861E-41	-0.32129	hypo	sig	chr2_10331266
chr16	51151149	51151149	+	5.02E-43	9.79686E-41	0.455924	hyper	sig	chr16_51151149
chr1	75134714	75134714	+	5.093E-43	9.93594E-41	0.273873	hyper	sig	chr1_75134714
chr2	5697331	5697331	+	5.105E-43	9.95767E-41	0.344309	hyper	sig	chr2_5697331
chr6	393254	393254	+	5.132E-43	1.00086E-40	0.30911	hyper	sig	chr6_393254
chr6	1.08E+08	108174756	+	5.145E-43	1.00311E-40	0.336525	hyper	sig	chr6_108174756

chr19	36419001	36419001	+	5.161E-43	1.00594E-40	0.332214	hyper	sig	chr19_36419001
chr16	1543587	1543587	+	5.188E-43	1.01093E-40	-0.28331	hypo	sig	chr16_1543587
chr5	3591057	3591057	+	5.198E-43	1.01275E-40	0.325589	hyper	sig	chr5_3591057
chr3	1.47E+08	147419472	+	5.227E-43	1.01819E-40	0.263109	hyper	sig	chr3_147419472
chr10	7666327	7666327	+	5.243E-43	1.02103E-40	0.303664	hyper	sig	chr10_7666327
chr8	54458493	54458493	+	5.368E-43	1.04508E-40	0.271208	hyper	sig	chr8_54458493
chr14	41609952	41609952	+	5.389E-43	1.04898E-40	0.313879	hyper	sig	chr14_41609952
chr15	52788318	52788318	+	5.399E-43	1.0505E-40	0.331023	hyper	sig	chr15_52788318
chr12	1.3E+08	130042317	+	5.493E-43	1.06865E-40	0.271217	hyper	sig	chr12_130042317
chr17	41583616	41583616	+	5.498E-43	1.06927E-40	-0.33408	hypo	sig	chr17_41583616
chr4	4870768	4870768	+	5.5E-43	1.06955E-40	0.277034	hyper	sig	chr4_4870768
chr4	21304334	21304334	+	5.556E-43	1.08001E-40	0.265257	hyper	sig	chr4_21304334
chr7	8444074	8444074	+	5.581E-43	1.08462E-40	0.380334	hyper	sig	chr7_8444074
chr16	88375674	88375674	+	5.631E-43	1.09417E-40	-0.31754	hypo	sig	chr16_88375674
chr5	38846438	38846438	+	5.639E-43	1.09544E-40	0.33374	hyper	sig	chr5_38846438
chr3	13041307	13041307	+	5.646E-43	1.09659E-40	-0.30533	hypo	sig	chr3_13041307
chr19	53308635	53308635	+	5.669E-43	1.10072E-40	0.312038	hyper	sig	chr19_53308635
chr7	19107617	19107617	+	5.679E-43	1.10231E-40	0.226904	hyper	sig	chr7_19107617
chr8	97278105	97278105	+	5.68E-43	1.10231E-40	0.306688	hyper	sig	chr8_97278105
chr5	3602158	3602158	+	5.701E-43	1.10618E-40	0.325146	hyper	sig	chr5_3602158
chr2	1.19E+08	118833560	+	5.76E-43	1.11745E-40	0.210368	hyper	sig	chr2_118833560
chr7	69599882	69599882	+	5.82E-43	1.1287E-40	0.331076	hyper	sig	chr7_69599882
chr13	87674616	87674616	+	5.827E-43	1.12975E-40	0.376893	hyper	sig	chr13_87674616
chr13	27926745	27926745	+	5.829E-43	1.12987E-40	0.37757	hyper	sig	chr13_27926745
chr10	7409317	7409317	+	5.844E-43	1.13251E-40	0.278146	hyper	sig	chr10_7409317
chr5	1.29E+08	128965537	+	5.931E-43	1.14908E-40	0.342137	hyper	sig	chr5_128965537
chr8	1931550	1931550	+	5.934E-43	1.14951E-40	-0.34307	hypo	sig	chr8_1931550
chr8	26865344	26865344	+	5.951E-43	1.15239E-40	0.327736	hyper	sig	chr8_26865344
chr7	1.58E+08	157649551	+	5.954E-43	1.15287E-40	-0.31818	hypo	sig	chr7_157649551
chr7	8444080	8444080	+	5.966E-43	1.1548E-40	0.383518	hyper	sig	chr7_8444080
chr5	44389770	44389770	+	5.976E-43	1.1565E-40	0.32291	hyper	sig	chr5_44389770
chr1	1758259	1758259	+	6.029E-43	1.1664E-40	-0.35293	hypo	sig	chr1_1758259
chr4	1.64E+08	164383277	+	6.048E-43	1.16987E-40	0.344691	hyper	sig	chr4_164383277
chr3	1.27E+08	127173255	+	6.06E-43	1.17163E-40	-0.33292	hypo	sig	chr3_127173255
chr4	1.33E+08	133146848	+	6.059E-43	1.17163E-40	0.265603	hyper	sig	chr4_133146848
chr5	33936441	33936441	+	6.074E-43	1.17414E-40	0.318379	hyper	sig	chr5_33936441
chr19	23914897	23914897	+	6.077E-43	1.1743E-40	0.304854	hyper	sig	chr19_23914897
chr7	45921671	45921671	+	6.085E-43	1.17566E-40	0.316499	hyper	sig	chr7_45921671
chr4	21304381	21304381	+	6.173E-43	1.19237E-40	0.239389	hyper	sig	chr4_21304381
chr17	17445697	17445697	+	6.259E-43	1.20865E-40	-0.37008	hypo	sig	chr17_17445697
chr22	48549422	48549422	+	6.261E-43	1.20884E-40	-0.33446	hypo	sig	chr22_48549422
chr1	6069147	6069147	+	6.269E-43	1.20993E-40	-0.26586	hypo	sig	chr1_6069147
chr11	92224327	92224327	+	6.27E-43	1.20993E-40	0.238534	hyper	sig	chr11_92224327
chr2	29115118	29115118	+	6.297E-43	1.21478E-40	0.337775	hyper	sig	chr2_29115118
chr16	88938476	88938476	+	6.315E-43	1.21812E-40	-0.39132	hypo	sig	chr16_88938476
chr19	17282138	17282138	+	6.407E-43	1.23555E-40	0.200994	hyper	sig	chr19_17282138
chr4	1.33E+08	133149186	+	6.415E-43	1.23681E-40	0.305871	hyper	sig	chr4_133149186
chr17	65538222	65538222	+	6.478E-43	1.24856E-40	-0.34226	hypo	sig	chr17_65538222
chr4	785688	785688	+	6.491E-43	1.25085E-40	0.347324	hyper	sig	chr4_785688
chr10	1.01E+08	101134302	+	6.533E-43	1.25863E-40	0.306543	hyper	sig	chr10_101134302
chr5	1.75E+08	174731678	+	6.595E-43	1.27018E-40	0.392479	hyper	sig	chr5_174731678
chr4	21304384	21304384	+	6.61E-43	1.27277E-40	0.248976	hyper	sig	chr4_21304384
chr19	57192052	57192052	+	6.654E-43	1.28065E-40	0.298411	hyper	sig	chr19_57192052
chr7	26154007	26154007	+	6.653E-43	1.28065E-40	-0.38593	hypo	sig	chr7_26154007
chr2	1.19E+08	119432731	+	6.688E-43	1.2869E-40	-0.27936	hypo	sig	chr2_119432731
chr4	1.25E+08	125317235	+	6.715E-43	1.29172E-40	0.337174	hyper	sig	chr4_125317235

chr7	1.04E+08	103989104	+	6.766E-43	1.30124E-40	0.276735	hyper	sig	chr7_103989104
chr13	78596835	78596835	+	6.894E-43	1.32554E-40	0.298438	hyper	sig	chr13_78596835
chr8	17027803	17027803	+	6.898E-43	1.32603E-40	0.436026	hyper	sig	chr8_17027803
chr1	1.62E+08	161621664	+	6.945E-43	1.33483E-40	0.241923	hyper	sig	chr1_161621664
chr17	5097508	5097508	+	6.995E-43	1.34414E-40	0.335857	hyper	sig	chr17_5097508
chr14	36667072	36667072	+	7.069E-43	1.35756E-40	0.289331	hyper	sig	chr14_36667072
chr5	3597595	3597595	+	7.079E-43	1.35927E-40	0.34223	hyper	sig	chr5_3597595
chr12	1.04E+08	104303584	+	7.131E-43	1.36897E-40	0.330695	hyper	sig	chr12_104303584
chr3	1.47E+08	147412698	+	7.156E-43	1.37347E-40	0.329049	hyper	sig	chr3_147412698
chr15	28832512	28832512	+	7.191E-43	1.37979E-40	0.328341	hyper	sig	chr15_28832512
chr6	1.67E+08	166870922	+	7.254E-43	1.39153E-40	-0.27922	hypo	sig	chr6_166870922
chr1	1210238	1210238	+	7.443E-43	1.42747E-40	-0.31875	hypo	sig	chr1_1210238
chr17	52159995	52159995	+	7.486E-43	1.43538E-40	0.287658	hyper	sig	chr17_52159995
chr11	68411530	68411530	+	7.527E-43	1.44281E-40	-0.30792	hypo	sig	chr11_68411530
chr19	57584056	57584056	+	7.581E-43	1.45284E-40	0.399466	hyper	sig	chr19_57584056
chr11	32439150	32439150	+	7.617E-43	1.45946E-40	0.228269	hyper	sig	chr11_32439150
chr6	10382614	10382614	+	7.675E-43	1.47025E-40	0.309916	hyper	sig	chr6_10382614
chr20	21396356	21396356	+	7.719E-43	1.47836E-40	0.270568	hyper	sig	chr20_21396356
chr21	36697081	36697081	+	7.722E-43	1.47859E-40	0.298959	hyper	sig	chr21_36697081
chr10	27746802	27746802	+	7.748E-43	1.48312E-40	0.302004	hyper	sig	chr10_27746802
chr12	52007720	52007720	+	7.854E-43	1.50303E-40	0.275372	hyper	sig	chr12_52007720
chr7	1.55E+08	155462444	+	7.872E-43	1.50618E-40	0.287658	hyper	sig	chr7_155462444
chr10	1.01E+08	101134684	+	7.993E-43	1.52887E-40	0.218002	hyper	sig	chr10_101134684
chr10	1.24E+08	123666119	+	8.014E-43	1.53256E-40	0.336448	hyper	sig	chr10_123666119
chr13	27924836	27924836	+	8.148E-43	1.55782E-40	0.374656	hyper	sig	chr13_27924836
chr12	6824264	6824264	+	8.211E-43	1.5695E-40	-0.31253	hypo	sig	chr12_6824264
chr13	1.01E+08	101416798	+	8.214E-43	1.56979E-40	0.336796	hyper	sig	chr13_101416798
chr18	9913009	9913009	+	8.246E-43	1.57551E-40	-0.31713	hypo	sig	chr18_9913009
chr2	29921286	29921286	+	8.257E-43	1.57726E-40	0.355734	hyper	sig	chr2_29921286
chr2	1.19E+08	119158225	+	8.273E-43	1.57983E-40	0.369707	hyper	sig	chr2_119158225
chr20	21706740	21706740	+	8.295E-43	1.58368E-40	0.327533	hyper	sig	chr20_21706740
chr4	1.33E+08	133148382	+	8.396E-43	1.60263E-40	0.339404	hyper	sig	chr4_133148382
chr3	62377264	62377264	+	8.443E-43	1.61087E-40	0.310961	hyper	sig	chr3_62377264
chr5	1.41E+08	141485071	+	8.442E-43	1.61087E-40	0.362614	hyper	sig	chr5_141485071
chr10	23693632	23693632	+	8.545E-43	1.62902E-40	0.273085	hyper	sig	chr10_23693632
chr17	52159105	52159105	+	8.545E-43	1.62902E-40	0.317215	hyper	sig	chr17_52159105
chr19	12156919	12156919	+	8.544E-43	1.62902E-40	0.276728	hyper	sig	chr19_12156919
chr4	89836480	89836480	+	8.546E-43	1.62902E-40	0.328675	hyper	sig	chr4_89836480
chr3	49657656	49657656	+	8.585E-43	1.63603E-40	-0.42671	hypo	sig	chr3_49657656
chr17	68198580	68198580	+	8.621E-43	1.64257E-40	0.223428	hyper	sig	chr17_68198580
chr10	1.16E+08	116272565	+	8.634E-43	1.64462E-40	0.276961	hyper	sig	chr10_116272565
chr2	1.3E+08	130139568	+	8.807E-43	1.67715E-40	-0.30144	hypo	sig	chr2_130139568
chr2	1633262	1633262	+	8.824E-43	1.67998E-40	-0.44491	hypo	sig	chr2_1633262
chr3	1.38E+08	137771961	+	8.924E-43	1.69858E-40	0.21814	hyper	sig	chr3_137771961
chr5	1.35E+08	135027277	+	8.927E-43	1.69873E-40	0.412301	hyper	sig	chr5_135027277
chr3	62371247	62371247	+	8.981E-43	1.70877E-40	0.401178	hyper	sig	chr3_62371247
chr14	62117560	62117560	+	9.036E-43	1.71869E-40	0.235042	hyper	sig	chr14_62117560
chr6	32062282	32062282	+	9.04E-43	1.71909E-40	-0.29898	hypo	sig	chr6_32062282
chr4	1.07E+08	107034194	+	9.046E-43	1.71991E-40	0.319115	hyper	sig	chr4_107034194
chr9	3181033	3181033	+	9.063E-43	1.72262E-40	0.275505	hyper	sig	chr9_3181033
chr5	1.41E+08	141485073	+	9.065E-43	1.72272E-40	0.360635	hyper	sig	chr5_141485073
chr19	43624232	43624232	+	9.102E-43	1.72919E-40	-0.33658	hypo	sig	chr19_43624232
chr1	3550650	3550650	+	9.148E-43	1.73757E-40	-0.30814	hypo	sig	chr1_3550650
chr10	1.24E+08	123891483	+	9.202E-43	1.74744E-40	0.358151	hyper	sig	chr10_123891483
chr19	3852061	3852061	+	9.207E-43	1.74798E-40	-0.30962	hypo	sig	chr19_3852061
chr4	1.22E+08	121766397	+	9.223E-43	1.75064E-40	-0.31108	hypo	sig	chr4_121766397

chr7	23247863	23247863	+	9.248E-43	1.75489E-40	0.315201	hyper	sig	chr7_23247863
chr8	64369741	64369741	+	9.254E-43	1.7556E-40	0.384244	hyper	sig	chr8_64369741
chr16	67163649	67163649	+	9.294E-43	1.76294E-40	0.383742	hyper	sig	chr16_67163649
chr1	75130234	75130234	+	9.399E-43	1.78243E-40	0.322556	hyper	sig	chr1_75130234
chr16	54289039	54289039	+	9.412E-43	1.78416E-40	0.309478	hyper	sig	chr16_54289039
chr7	27102818	27102818	+	9.413E-43	1.78416E-40	0.313322	hyper	sig	chr7_27102818
chr19	36797751	36797751	+	9.473E-43	1.79504E-40	0.374383	hyper	sig	chr19_36797751
chr17	6655573	6655573	+	9.481E-43	1.79627E-40	0.291401	hyper	sig	chr17_6655573
chr8	1.08E+08	108083147	+	9.512E-43	1.80165E-40	0.310852	hyper	sig	chr8_108083147
chr11	1.09E+08	109423261	+	9.614E-43	1.82024E-40	0.296161	hyper	sig	chr11_109423261
chr6	71421033	71421033	+	9.624E-43	1.82172E-40	0.289016	hyper	sig	chr6_71421033
chr15	89407578	89407578	+	9.751E-43	1.84521E-40	0.21989	hyper	sig	chr15_89407578
chr5	1.41E+08	141476965	+	9.775E-43	1.84932E-40	0.313501	hyper	sig	chr5_141476965
chr6	72623121	72623121	+	9.899E-43	1.87235E-40	0.336053	hyper	sig	chr6_72623121
chr12	1.14E+08	114403090	+	9.954E-43	1.88231E-40	0.309207	hyper	sig	chr12_114403090
chr7	35261458	35261458	+	9.977E-43	1.88622E-40	0.288798	hyper	sig	chr7_35261458
chr9	91421126	91421126	+	1.006E-42	1.90094E-40	0.263668	hyper	sig	chr9_91421126
chr7	50303770	50303770	+	1.007E-42	1.90365E-40	0.204226	hyper	sig	chr7_50303770
chr12	1.14E+08	114441155	+	1.019E-42	1.92609E-40	0.235067	hyper	sig	chr12_114441155
chr5	3597590	3597590	+	1.02E-42	1.92668E-40	0.330245	hyper	sig	chr5_3597590
chr19	21851976	21851976	+	1.026E-42	1.93814E-40	0.238701	hyper	sig	chr19_21851976
chr3	1.54E+08	154429027	+	1.027E-42	1.93829E-40	0.31057	hyper	sig	chr3_154429027
chr14	1.01E+08	100726638	+	1.041E-42	1.96571E-40	0.324445	hyper	sig	chr14_100726638
chr12	4909931	4909931	+	1.045E-42	1.97158E-40	0.300797	hyper	sig	chr12_4909931
chr12	3493156	3493156	+	1.051E-42	1.98247E-40	0.238679	hyper	sig	chr12_3493156
chr14	97219064	97219064	+	1.06E-42	1.99949E-40	0.267822	hyper	sig	chr14_97219064
chr14	85531397	85531397	+	1.07E-42	2.01848E-40	0.399895	hyper	sig	chr14_85531397
chr1	1.19E+08	118989704	+	1.073E-42	2.02328E-40	0.328219	hyper	sig	chr1_118989704
chr19	56368069	56368069	+	1.092E-42	2.05895E-40	0.388645	hyper	sig	chr19_56368069
chr13	1.12E+08	112069231	+	1.097E-42	2.06717E-40	0.285582	hyper	sig	chr13_112069231
chr14	1.05E+08	104728696	+	1.099E-42	2.06987E-40	-0.29376	hypo	sig	chr14_104728696
chr4	21304423	21304423	+	1.099E-42	2.06987E-40	0.271399	hyper	sig	chr4_21304423
chr22	48672959	48672959	+	1.109E-42	2.08869E-40	-0.29826	hypo	sig	chr22_48672959
chr16	3183111	3183111	+	1.11E-42	2.09039E-40	0.27793	hyper	sig	chr16_3183111
chr1	1.22E+08	121519690	+	1.113E-42	2.09452E-40	0.331833	hyper	sig	chr1_121519690
chr17	48621540	48621540	+	1.113E-42	2.09517E-40	-0.34683	hypo	sig	chr17_48621540
chr7	19107804	19107804	+	1.126E-42	2.11898E-40	0.294835	hyper	sig	chr7_19107804
chr4	21304359	21304359	+	1.129E-42	2.12376E-40	0.242266	hyper	sig	chr4_21304359
chr3	1.58E+08	158095841	+	1.142E-42	2.14669E-40	0.367341	hyper	sig	chr3_158095841
chr9	97852968	97852968	+	1.149E-42	2.15962E-40	0.343201	hyper	sig	chr9_97852968
chr10	1.29E+08	128568435	+	1.164E-42	2.18698E-40	-0.30218	hypo	sig	chr10_128568435
chr17	79712152	79712152	+	1.166E-42	2.19074E-40	-0.32102	hypo	sig	chr17_79712152
chr7	97007329	97007329	+	1.168E-42	2.1953E-40	0.25524	hyper	sig	chr7_97007329
chr13	93228531	93228531	+	1.176E-42	2.20833E-40	0.379708	hyper	sig	chr13_93228531
chr22	46076650	46076650	+	1.176E-42	2.20833E-40	-0.31404	hypo	sig	chr22_46076650
chr14	1.04E+08	104179263	+	1.187E-42	2.22882E-40	-0.28938	hypo	sig	chr14_104179263
chr22	46085151	46085151	+	1.188E-42	2.23044E-40	-0.3733	hypo	sig	chr22_46085151
chr2	63055614	63055614	+	1.189E-42	2.23211E-40	0.256244	hyper	sig	chr2_63055614
chr20	62310943	62310943	+	1.19E-42	2.23313E-40	-0.33215	hypo	sig	chr20_62310943
chr2	2.35E+08	235052928	+	1.199E-42	2.24985E-40	-0.29327	hypo	sig	chr2_235052928
chr1	75131142	75131142	+	1.22E-42	2.2873E-40	0.21882	hyper	sig	chr1_75131142
chr7	54544642	54544642	+	1.224E-42	2.29474E-40	0.352654	hyper	sig	chr7_54544642
chr4	1.11E+08	110618313	+	1.233E-42	2.31134E-40	0.260085	hyper	sig	chr4_110618313
chr16	87407782	87407782	+	1.234E-42	2.31295E-40	-0.40994	hypo	sig	chr16_87407782
chr11	69867853	69867853	+	1.236E-42	2.31637E-40	-0.28275	hypo	sig	chr11_69867853
chr2	23616972	23616972	+	1.241E-42	2.32436E-40	-0.29946	hypo	sig	chr2_23616972

chr19	57614585	57614585	+	1.25E-42	2.34016E-40	0.372851	hyper	sig	chr19_57614585
chr5	33936424	33936424	+	1.251E-42	2.34237E-40	0.312022	hyper	sig	chr5_33936424
chr1	2923699	2923699	+	1.256E-42	2.3514E-40	-0.35421	hypo	sig	chr1_2923699
chr4	3766844	3766844	+	1.258E-42	2.35432E-40	0.273637	hyper	sig	chr4_3766844
chr5	33936217	33936217	+	1.261E-42	2.35926E-40	0.27314	hyper	sig	chr5_33936217
chr4	1.47E+08	146640654	+	1.263E-42	2.36312E-40	0.292672	hyper	sig	chr4_146640654
chr4	1.33E+08	133148408	+	1.291E-42	2.41519E-40	0.328089	hyper	sig	chr4_133148408
chr3	1.82E+08	181696429	+	1.292E-42	2.41636E-40	0.219798	hyper	sig	chr3_181696429
chr10	1.04E+08	103559288	+	1.295E-42	2.42047E-40	-0.3204	hypo	sig	chr10_103559288
chr8	1931473	1931473	+	1.299E-42	2.42808E-40	-0.2808	hypo	sig	chr8_1931473
chr6	6003070	6003070	+	1.3E-42	2.42823E-40	0.267815	hyper	sig	chr6_6003070
chr19	22634664	22634664	+	1.321E-42	2.46728E-40	0.34244	hyper	sig	chr19_22634664
chr19	21474727	21474727	+	1.361E-42	2.54086E-40	0.338607	hyper	sig	chr19_21474727
chr20	64072232	64072232	+	1.366E-42	2.55132E-40	-0.32516	hypo	sig	chr20_64072232
chr19	22634640	22634640	+	1.382E-42	2.57906E-40	0.357194	hyper	sig	chr19_22634640
chr11	94769389	94769389	+	1.391E-42	2.59622E-40	0.26828	hyper	sig	chr11_94769389
chr1	90724616	90724616	+	1.394E-42	2.60155E-40	0.29361	hyper	sig	chr1_90724616
chr1	1.21E+08	121116997	+	1.404E-42	2.61874E-40	0.388407	hyper	sig	chr1_121116997
chr20	33031841	33031841	+	1.414E-42	2.6364E-40	-0.32073	hypo	sig	chr20_33031841
chr5	73627154	73627154	+	1.424E-42	2.65529E-40	-0.2709	hypo	sig	chr5_73627154
chr4	80268696	80268696	+	1.432E-42	2.66961E-40	0.306492	hyper	sig	chr4_80268696
chr14	24132556	24132556	+	1.434E-42	2.6729E-40	-0.32684	hypo	sig	chr14_24132556
chr12	1.14E+08	114403162	+	1.442E-42	2.68768E-40	0.276381	hyper	sig	chr12_114403162
chr6	62285960	62285960	+	1.454E-42	2.70821E-40	0.433048	hyper	sig	chr6_62285960
chr12	66234115	66234115	+	1.455E-42	2.70979E-40	-0.37774	hypo	sig	chr12_66234115
chr6	1.6E+08	160349996	+	1.458E-42	2.7156E-40	-0.36767	hypo	sig	chr6_160349996
chr18	79782921	79782921	+	1.459E-42	2.71584E-40	-0.26768	hypo	sig	chr18_79782921
chr16	56190854	56190854	+	1.474E-42	2.74293E-40	0.280354	hyper	sig	chr16_56190854
chr16	89916124	89916124	+	1.479E-42	2.75232E-40	-0.35632	hypo	sig	chr16_89916124
chr2	1.15E+08	115163080	+	1.488E-42	2.76838E-40	0.345923	hyper	sig	chr2_115163080
chr1	2.44E+08	243917616	+	1.499E-42	2.78823E-40	0.276277	hyper	sig	chr1_243917616
chr17	81123352	81123352	+	1.523E-42	2.83115E-40	-0.34959	hypo	sig	chr17_81123352
chr12	1.14E+08	114404075	+	1.53E-42	2.84424E-40	0.266929	hyper	sig	chr12_114404075
chr18	59273186	59273186	+	1.54E-42	2.86286E-40	0.333321	hyper	sig	chr18_59273186
chr7	1.55E+08	155372853	+	1.543E-42	2.86663E-40	0.240517	hyper	sig	chr7_155372853
chr16	88975674	88975674	+	1.551E-42	2.88058E-40	-0.30696	hypo	sig	chr16_88975674
chr6	1.5E+08	149964677	+	1.552E-42	2.88177E-40	0.274863	hyper	sig	chr6_149964677
chr12	53960773	53960773	+	1.57E-42	2.91491E-40	0.307133	hyper	sig	chr12_53960773
chr13	27795365	27795365	+	1.572E-42	2.9177E-40	0.317358	hyper	sig	chr13_27795365
chr3	27723773	27723773	+	1.581E-42	2.93363E-40	0.379833	hyper	sig	chr3_27723773
chr10	1.33E+08	133259456	+	1.59E-42	2.94953E-40	-0.36433	hypo	sig	chr10_133259456
chr12	2231665	2231665	+	1.621E-42	3.00681E-40	-0.37465	hypo	sig	chr12_2231665
chr1	20473312	20473312	+	1.626E-42	3.01545E-40	0.334551	hyper	sig	chr1_20473312
chr10	1.28E+08	127737724	+	1.635E-42	3.03054E-40	0.330056	hyper	sig	chr10_127737724
chr6	1.68E+08	167678242	+	1.645E-42	3.04931E-40	0.371736	hyper	sig	chr6_167678242
chr12	54014898	54014898	+	1.659E-42	3.07348E-40	0.3876	hyper	sig	chr12_54014898
chr12	1.15E+08	114696634	+	1.682E-42	3.11582E-40	0.277893	hyper	sig	chr12_114696634
chr8	98949395	98949395	+	1.684E-42	3.11819E-40	0.31478	hyper	sig	chr8_98949395
chr7	73704360	73704360	+	1.689E-42	3.12708E-40	-0.34822	hypo	sig	chr7_73704360
chr14	41606504	41606504	+	1.704E-42	3.15397E-40	0.304987	hyper	sig	chr14_41606504
chr10	55630095	55630095	+	1.718E-42	3.17956E-40	0.329959	hyper	sig	chr10_55630095
chr12	1.33E+08	132904806	+	1.722E-42	3.18572E-40	0.318395	hyper	sig	chr12_132904806
chr12	89350006	89350006	+	1.782E-42	3.29759E-40	-0.35059	hypo	sig	chr12_89350006
chr8	1.16E+08	115648470	+	1.787E-42	3.30494E-40	0.325996	hyper	sig	chr8_115648470
chr2	1.13E+08	113275835	+	1.792E-42	3.31364E-40	0.306691	hyper	sig	chr2_113275835
chr3	1.56E+08	156289998	+	1.818E-42	3.36131E-40	-0.33502	hypo	sig	chr3_156289998

chr6	10882749	10882749	+	1.825E-42	3.37277E-40	0.330495	hyper	sig	chr6_10882749
chr15	29100806	29100806	+	1.829E-42	3.37999E-40	-0.3426	hypo	sig	chr15_29100806
chr5	1.35E+08	135327288	+	1.834E-42	3.38882E-40	0.251234	hyper	sig	chr5_135327288
chr3	49657575	49657575	+	1.836E-42	3.39206E-40	-0.24192	hypo	sig	chr3_49657575
chr10	1.28E+08	128214890	+	1.84E-42	3.39749E-40	-0.36983	hypo	sig	chr10_128214890
chr14	41608446	41608446	+	1.844E-42	3.40541E-40	0.361937	hyper	sig	chr14_41608446
chr11	1.29E+08	128693135	+	1.869E-42	3.44836E-40	0.229732	hyper	sig	chr11_128693135
chr16	89202506	89202506	+	1.868E-42	3.44836E-40	0.309918	hyper	sig	chr16_89202506
chr11	1114143	1114143	+	1.884E-42	3.4755E-40	-0.27811	hypo	sig	chr11_1114143
chr2	29920758	29920758	+	1.885E-42	3.47755E-40	0.335621	hyper	sig	chr2_29920758
chr4	1.47E+08	146640748	+	1.907E-42	3.51728E-40	0.336813	hyper	sig	chr4_146640748
chr4	1.21E+08	121380601	+	1.911E-42	3.52353E-40	0.291176	hyper	sig	chr4_121380601
chr2	1743074	1743074	+	1.922E-42	3.54328E-40	0.250913	hyper	sig	chr2_1743074
chr13	37869655	37869655	+	1.93E-42	3.55677E-40	0.269878	hyper	sig	chr13_37869655
chr5	55223006	55223006	+	1.933E-42	3.56099E-40	0.30649	hyper	sig	chr5_55223006
chr11	1.29E+08	128693132	+	1.938E-42	3.56947E-40	0.229938	hyper	sig	chr11_128693132
chr14	96592474	96592474	+	1.938E-42	3.56947E-40	0.240519	hyper	sig	chr14_96592474
chr1	14599353	14599353	+	1.963E-42	3.61408E-40	0.326762	hyper	sig	chr1_14599353
chr20	17314576	17314576	+	1.963E-42	3.61408E-40	-0.36118	hypo	sig	chr20_17314576
chr1	1.44E+08	143904598	+	1.984E-42	3.65184E-40	0.304938	hyper	sig	chr1_143904598
chr10	1736621	1736621	+	1.989E-42	3.65967E-40	0.265223	hyper	sig	chr10_1736621
chr14	1.01E+08	100691618	+	2.004E-42	3.68631E-40	-0.31084	hypo	sig	chr14_100691618
chr1	9714651	9714651	+	2.005E-42	3.68747E-40	-0.34487	hypo	sig	chr1_9714651
chr5	1.16E+08	115816795	+	2.007E-42	3.69055E-40	0.322617	hyper	sig	chr5_115816795
chr2	2.39E+08	239275255	+	2.013E-42	3.70135E-40	-0.27311	hypo	sig	chr2_239275255
chr8	23706715	23706715	+	2.022E-42	3.71707E-40	0.314047	hyper	sig	chr8_23706715
chr19	57320881	57320881	+	2.042E-42	3.75183E-40	0.262621	hyper	sig	chr19_57320881
chr10	7408393	7408393	+	2.051E-42	3.76722E-40	0.294793	hyper	sig	chr10_7408393
chr19	57584094	57584094	+	2.062E-42	3.78736E-40	0.343443	hyper	sig	chr19_57584094
chr5	3591068	3591068	+	2.069E-42	3.79979E-40	0.31967	hyper	sig	chr5_3591068
chr2	2.07E+08	206642416	+	2.074E-42	3.80696E-40	0.268151	hyper	sig	chr2_206642416
chr9	1.37E+08	136745873	+	2.076E-42	3.81065E-40	-0.36288	hypo	sig	chr9_136745873
chr4	1.55E+08	154744680	+	2.104E-42	3.86029E-40	0.323927	hyper	sig	chr4_154744680
chr10	1.32E+08	132487399	+	2.141E-42	3.92702E-40	-0.3249	hypo	sig	chr10_132487399
chr11	8811270	8811270	+	2.146E-42	3.93675E-40	-0.27502	hypo	sig	chr11_8811270
chr19	55359025	55359025	+	2.187E-42	4.00993E-40	-0.33343	hypo	sig	chr19_55359025
chr1	2.47E+08	246788913	+	2.188E-42	4.01114E-40	0.297896	hyper	sig	chr1_246788913
chr6	10417426	10417426	+	2.215E-42	4.05991E-40	0.286206	hyper	sig	chr6_10417426
chr15	83206910	83206910	+	2.223E-42	4.07311E-40	0.251503	hyper	sig	chr15_83206910
chr11	44311517	44311517	+	2.229E-42	4.08457E-40	0.245619	hyper	sig	chr11_44311517
chr13	1.11E+08	111337338	+	2.25E-42	4.12127E-40	-0.3715	hypo	sig	chr13_111337338
chr4	962759	962759	+	2.258E-42	4.13543E-40	-0.36682	hypo	sig	chr4_962759
chr17	45897582	45897582	+	2.261E-42	4.14002E-40	0.27985	hyper	sig	chr17_45897582
chr2	1.05E+08	104863796	+	2.264E-42	4.14369E-40	0.332876	hyper	sig	chr2_104863796
chr13	1.12E+08	112105378	+	2.269E-42	4.15215E-40	0.375006	hyper	sig	chr13_112105378
chr13	25171758	25171758	+	2.281E-42	4.17336E-40	0.370619	hyper	sig	chr13_25171758
chr8	42499133	42499133	+	2.284E-42	4.17717E-40	0.278464	hyper	sig	chr8_42499133
chr4	44447721	44447721	+	2.293E-42	4.19345E-40	0.331053	hyper	sig	chr4_44447721
chr15	45704366	45704366	+	2.332E-42	4.26454E-40	0.312984	hyper	sig	chr15_45704366
chr18	78981200	78981200	+	2.378E-42	4.34695E-40	0.365232	hyper	sig	chr18_78981200
chr5	3602165	3602165	+	2.381E-42	4.35083E-40	0.327116	hyper	sig	chr5_3602165
chr1	1.81E+08	181483649	+	2.388E-42	4.36378E-40	0.24801	hyper	sig	chr1_181483649
chr3	1.47E+08	147423090	+	2.411E-42	4.40344E-40	0.282113	hyper	sig	chr3_147423090
chr4	1.21E+08	121380585	+	2.42E-42	4.41898E-40	0.307398	hyper	sig	chr4_121380585
chr6	6003052	6003052	+	2.426E-42	4.43042E-40	0.273197	hyper	sig	chr6_6003052
chr12	1.33E+08	132524562	+	2.448E-42	4.46856E-40	-0.36688	hypo	sig	chr12_132524562

chr13	27926999	27926999	+	2.455E-42	4.48011E-40	0.254367	hyper	sig	chr13_27926999
chr7	1.56E+08	155922455	+	2.463E-42	4.49416E-40	-0.32679	hypo	sig	chr7_155922455
chr2	1.27E+08	126656394	+	2.464E-42	4.49444E-40	0.366839	hyper	sig	chr2_126656394
chr16	56190868	56190868	+	2.474E-42	4.51231E-40	0.27037	hyper	sig	chr16_56190868
chr12	29783543	29783543	+	2.482E-42	4.52508E-40	0.278232	hyper	sig	chr12_29783543
chr18	79783014	79783014	+	2.507E-42	4.57016E-40	-0.29476	hypo	sig	chr18_79783014
chr4	4858208	4858208	+	2.514E-42	4.58201E-40	0.360674	hyper	sig	chr4_4858208
chr12	52007681	52007681	+	2.539E-42	4.62651E-40	0.286446	hyper	sig	chr12_52007681
chr16	46886163	46886163	+	2.561E-42	4.66508E-40	-0.38265	hypo	sig	chr16_46886163
chr19	58440462	58440462	+	2.564E-42	4.6694E-40	0.205723	hyper	sig	chr19_58440462
chr15	52791321	52791321	+	2.566E-42	4.67234E-40	0.29769	hyper	sig	chr15_52791321
chr17	78140895	78140895	+	2.588E-42	4.71173E-40	-0.3093	hypo	sig	chr17_78140895
chr2	1.19E+08	119432537	+	2.59E-42	4.71518E-40	-0.28649	hypo	sig	chr2_119432537
chr1	1067749	1067749	+	2.604E-42	4.73802E-40	-0.41544	hypo	sig	chr1_1067749
chr11	44311054	44311054	+	2.607E-42	4.74396E-40	0.212845	hyper	sig	chr11_44311054
chr12	54053766	54053766	+	2.65E-42	4.81973E-40	0.419548	hyper	sig	chr12_54053766
chr12	95548189	95548189	+	2.691E-42	4.89353E-40	0.242728	hyper	sig	chr12_95548189
chr16	85286284	85286284	+	2.695E-42	4.9E-40	-0.296	hypo	sig	chr16_85286284
chr5	1.16E+08	115816348	+	2.718E-42	4.9403E-40	0.346708	hyper	sig	chr5_115816348
chr11	68411479	68411479	+	2.723E-42	4.94862E-40	-0.32562	hypo	sig	chr11_68411479
chr7	1.58E+08	157796164	+	2.725E-42	4.95142E-40	-0.278	hypo	sig	chr7_157796164
chr8	96159621	96159621	+	2.741E-42	4.97824E-40	0.293909	hyper	sig	chr8_96159621
chr1	90724596	90724596	+	2.761E-42	5.01363E-40	0.282515	hyper	sig	chr1_90724596
chr4	4858269	4858269	+	2.795E-42	5.07549E-40	0.326369	hyper	sig	chr4_4858269
chr1	1.19E+08	118989456	+	2.825E-42	5.12763E-40	0.270392	hyper	sig	chr1_118989456
chr8	26048260	26048260	+	2.851E-42	5.17356E-40	0.321423	hyper	sig	chr8_26048260
chr8	64369728	64369728	+	2.874E-42	5.21502E-40	0.311334	hyper	sig	chr8_64369728
chr6	1.67E+08	166870974	+	2.876E-42	5.21654E-40	-0.26493	hypo	sig	chr6_166870974
chr3	1.95E+08	195148061	+	2.885E-42	5.23254E-40	-0.30628	hypo	sig	chr3_195148061
chr6	10417422	10417422	+	2.887E-42	5.23498E-40	0.273877	hyper	sig	chr6_10417422
chr2	2.31E+08	231401406	+	2.888E-42	5.23572E-40	0.343434	hyper	sig	chr2_231401406
chr3	6862613	6862613	+	2.895E-42	5.24753E-40	0.369366	hyper	sig	chr3_6862613
chr1	78491167	78491167	+	2.923E-42	5.29743E-40	0.363764	hyper	sig	chr1_78491167
chr1	6465989	6465989	+	2.952E-42	5.34843E-40	0.34111	hyper	sig	chr1_6465989
chr1	1.59E+08	159188707	+	2.973E-42	5.38487E-40	0.280353	hyper	sig	chr1_159188707
chr1	1.22E+08	121519626	+	3.005E-42	5.44154E-40	0.30692	hyper	sig	chr1_121519626
chr4	1.11E+08	110630899	+	3.011E-42	5.45062E-40	0.270255	hyper	sig	chr4_110630899
chr1	1.81E+08	181483633	+	3.027E-42	5.47916E-40	0.246728	hyper	sig	chr1_181483633
chr7	54544655	54544655	+	3.036E-42	5.49481E-40	0.345994	hyper	sig	chr7_54544655
chr14	75281258	75281258	+	3.069E-42	5.55248E-40	-0.34237	hypo	sig	chr14_75281258
chr4	1.33E+08	133149256	+	3.078E-42	5.56684E-40	0.315953	hyper	sig	chr4_133149256
chr19	48196632	48196632	+	3.093E-42	5.59395E-40	-0.35112	hypo	sig	chr19_48196632
chr7	24284229	24284229	+	3.13E-42	5.65936E-40	0.376823	hyper	sig	chr7_24284229
chr12	1.3E+08	130042430	+	3.131E-42	5.65956E-40	0.284377	hyper	sig	chr12_130042430
chr1	3245502	3245502	+	3.139E-42	5.67202E-40	-0.28928	hypo	sig	chr1_3245502
chr7	24284225	24284225	+	3.142E-42	5.67712E-40	0.372015	hyper	sig	chr7_24284225
chr15	88255433	88255433	+	3.143E-42	5.67808E-40	0.269069	hyper	sig	chr15_88255433
chr16	87407789	87407789	+	3.175E-42	5.73383E-40	-0.38778	hypo	sig	chr16_87407789
chr15	25193713	25193713	+	3.191E-42	5.76202E-40	-0.30367	hypo	sig	chr15_25193713
chr7	1.59E+08	159144031	+	3.217E-42	5.80678E-40	0.33217	hyper	sig	chr7_159144031
chr1	66752203	66752203	+	3.234E-42	5.83698E-40	0.26743	hyper	sig	chr1_66752203
chr1	2.28E+08	228149088	+	3.26E-42	5.8826E-40	-0.35982	hypo	sig	chr1_228149088
chr4	10461726	10461726	+	3.268E-42	5.89591E-40	0.372621	hyper	sig	chr4_10461726
chr16	51156201	51156201	+	3.287E-42	5.92879E-40	0.341745	hyper	sig	chr16_51156201
chr15	78802261	78802261	+	3.313E-42	5.97342E-40	-0.3781	hypo	sig	chr15_78802261
chr10	25934042	25934042	+	3.346E-42	6.03257E-40	0.30877	hyper	sig	chr10_25934042

chr12	1.3E+08	130042334	+	3.369E-42	6.07248E-40	0.279628	hyper	sig	chr12_130042334
chr3	35640120	35640120	+	3.37E-42	6.07335E-40	0.319642	hyper	sig	chr3_35640120
chr7	1.58E+08	157553920	+	3.372E-42	6.0757E-40	-0.33059	hypo	sig	chr7_157553920
chr19	33290917	33290917	+	3.379E-42	6.0871E-40	-0.30664	hypo	sig	chr19_33290917
chr3	26623271	26623271	+	3.394E-42	6.11131E-40	0.312884	hyper	sig	chr3_26623271
chr3	1.8E+08	180324947	+	3.409E-42	6.13731E-40	-0.32544	hypo	sig	chr3_180324947
chr6	72623134	72623134	+	3.438E-42	6.18879E-40	0.291137	hyper	sig	chr6_72623134
chr8	1.08E+08	108083790	+	3.446E-42	6.20098E-40	0.345973	hyper	sig	chr8_108083790
chr2	1.3E+08	129979976	+	3.456E-42	6.21829E-40	0.223202	hyper	sig	chr2_129979976
chr15	25863536	25863536	+	3.474E-42	6.24961E-40	0.340747	hyper	sig	chr15_25863536
chr5	1.73E+08	173245379	+	3.476E-42	6.25145E-40	0.288587	hyper	sig	chr5_173245379
chr13	1.02E+08	101917460	+	3.482E-42	6.25988E-40	0.306757	hyper	sig	chr13_101917460
chr20	62311004	62311004	+	3.493E-42	6.27896E-40	-0.28384	hypo	sig	chr20_62311004
chr11	94769328	94769328	+	3.536E-42	6.35524E-40	0.23814	hyper	sig	chr11_94769328
chr16	85082863	85082863	+	3.554E-42	6.38552E-40	0.257865	hyper	sig	chr16_85082863
chr2	2.39E+08	239098456	+	3.567E-42	6.40802E-40	-0.31657	hypo	sig	chr2_239098456
chr9	1.33E+08	133474323	+	3.573E-42	6.41688E-40	-0.30273	hypo	sig	chr9_133474323
chr8	42499168	42499168	+	3.583E-42	6.43371E-40	0.302714	hyper	sig	chr8_42499168
chr4	15787641	15787641	+	3.596E-42	6.45521E-40	-0.32813	hypo	sig	chr4_15787641
chr11	1.34E+08	133935121	+	3.607E-42	6.47411E-40	-0.23323	hypo	sig	chr11_133935121
chr3	6862608	6862608	+	3.637E-42	6.52685E-40	0.358249	hyper	sig	chr3_6862608
chr18	57441613	57441613	+	3.666E-42	6.5775E-40	0.28494	hyper	sig	chr18_57441613
chr12	1.15E+08	114696691	+	3.682E-42	6.60436E-40	0.290876	hyper	sig	chr12_114696691
chr6	1.67E+08	166870951	+	3.711E-42	6.65518E-40	-0.24564	hypo	sig	chr6_166870951
chr5	1.16E+08	115816782	+	3.724E-42	6.67674E-40	0.325743	hyper	sig	chr5_115816782
chr20	64053179	64053179	+	3.754E-42	6.72938E-40	-0.38476	hypo	sig	chr20_64053179
chr16	3305387	3305387	+	3.805E-42	6.81844E-40	0.224511	hyper	sig	chr16_3305387
chr18	11752539	11752539	+	3.81E-42	6.8256E-40	0.309805	hyper	sig	chr18_11752539
chr4	1.07E+08	107037307	+	3.811E-42	6.8256E-40	0.302183	hyper	sig	chr4_107037307
chr2	2.31E+08	231398436	+	3.816E-42	6.83378E-40	0.248217	hyper	sig	chr2_231398436
chr1	2.08E+08	207645390	+	3.82E-42	6.83999E-40	0.381648	hyper	sig	chr1_207645390
chr13	78607950	78607950	+	3.826E-42	6.84868E-40	0.346109	hyper	sig	chr13_78607950
chr7	1.57E+08	157003198	+	3.832E-42	6.85895E-40	0.365888	hyper	sig	chr7_157003198
chr11	31804244	31804244	+	3.836E-42	6.86362E-40	0.260934	hyper	sig	chr11_31804244
chr20	60472430	60472430	+	3.839E-42	6.86756E-40	-0.33335	hypo	sig	chr20_60472430
chr5	44388881	44388881	+	3.86E-42	6.90381E-40	0.331334	hyper	sig	chr5_44388881
chr10	1553348	1553348	+	3.901E-42	6.97332E-40	-0.26505	hypo	sig	chr10_1553348
chr19	36916346	36916346	+	3.9E-42	6.97332E-40	0.202687	hyper	sig	chr19_36916346
chr15	71783623	71783623	+	3.937E-42	7.03469E-40	-0.31654	hypo	sig	chr15_71783623
chr7	1.56E+08	155795803	+	3.936E-42	7.03469E-40	-0.31537	hypo	sig	chr7_155795803
chr4	1.11E+08	110631197	+	3.952E-42	7.061E-40	0.24226	hyper	sig	chr4_110631197
chr4	21304420	21304420	+	3.956E-42	7.06528E-40	0.277344	hyper	sig	chr4_21304420
chr6	32220540	32220540	+	3.968E-42	7.08522E-40	-0.35756	hypo	sig	chr6_32220540
chr11	20671163	20671163	+	4.025E-42	7.18594E-40	0.340357	hyper	sig	chr11_20671163
chr1	9719313	9719313	+	4.04E-42	7.2115E-40	-0.27616	hypo	sig	chr1_9719313
chr3	27723741	27723741	+	4.051E-42	7.22891E-40	0.412905	hyper	sig	chr3_27723741
chr8	97278099	97278099	+	4.108E-42	7.32982E-40	0.319882	hyper	sig	chr8_97278099
chr8	56446177	56446177	+	4.113E-42	7.33719E-40	0.412093	hyper	sig	chr8_56446177
chr14	36663883	36663883	+	4.132E-42	7.36981E-40	0.248656	hyper	sig	chr14_36663883
chr15	99734043	99734043	+	4.172E-42	7.43918E-40	-0.33421	hypo	sig	chr15_99734043
chr2	44932814	44932814	+	4.179E-42	7.44898E-40	0.348254	hyper	sig	chr2_44932814
chr16	86511097	86511097	+	4.246E-42	7.56718E-40	0.24872	hyper	sig	chr16_86511097
chr12	1.03E+08	102961334	+	4.258E-42	7.58664E-40	0.324696	hyper	sig	chr12_102961334
chr1	6385812	6385812	+	4.262E-42	7.59248E-40	-0.41896	hypo	sig	chr1_6385812
chr17	80178252	80178252	+	4.265E-42	7.5958E-40	-0.30744	hypo	sig	chr17_80178252
chr17	81858793	81858793	+	4.29E-42	7.63916E-40	-0.26306	hypo	sig	chr17_81858793

chr1	1.47E+08	147078374	+	4.314E-42	7.67958E-40	0.319228	hyper	sig	chr1_147078374
chr5	1883265	1883265	+	4.334E-42	7.71325E-40	0.245859	hyper	sig	chr5_1883265
chr16	51153843	51153843	+	4.335E-42	7.71481E-40	0.324455	hyper	sig	chr16_51153843
chr16	77789328	77789328	+	4.345E-42	7.73009E-40	0.363312	hyper	sig	chr16_77789328
chr1	3431449	3431449	+	4.354E-42	7.74444E-40	-0.30253	hypo	sig	chr1_3431449
chr12	54090503	54090503	+	4.378E-42	7.78477E-40	0.271952	hyper	sig	chr12_54090503
chr3	1.58E+08	158095538	+	4.382E-42	7.79035E-40	0.330305	hyper	sig	chr3_158095538
chr6	50724437	50724437	+	4.384E-42	7.79247E-40	0.277582	hyper	sig	chr6_50724437
chr10	7412596	7412596	+	4.387E-42	7.79589E-40	0.356437	hyper	sig	chr10_7412596
chr1	18632444	18632444	+	4.389E-42	7.7979E-40	0.347066	hyper	sig	chr1_18632444
chr1	58249857	58249857	+	4.393E-42	7.80428E-40	0.281869	hyper	sig	chr1_58249857
chr4	1.13E+08	112520458	+	4.51E-42	8.00987E-40	0.281554	hyper	sig	chr4_112520458
chr5	77639282	77639282	+	4.533E-42	8.04923E-40	0.333939	hyper	sig	chr5_77639282
chr8	54466474	54466474	+	4.56E-42	8.09503E-40	0.405026	hyper	sig	chr8_54466474
chr6	30172359	30172359	+	4.572E-42	8.11375E-40	0.35964	hyper	sig	chr6_30172359
chr9	1.28E+08	127876055	+	4.577E-42	8.12204E-40	-0.32761	hypo	sig	chr9_127876055
chr20	63007260	63007260	+	4.599E-42	8.15868E-40	0.375892	hyper	sig	chr20_63007260
chr3	1.47E+08	147388828	+	4.624E-42	8.20203E-40	0.26325	hyper	sig	chr3_147388828
chr12	1.13E+08	113479612	+	4.704E-42	8.34141E-40	0.313453	hyper	sig	chr12_113479612
chr19	57527457	57527457	+	4.73E-42	8.38518E-40	0.21195	hyper	sig	chr19_57527457
chr2	1.09E+08	109031555	+	4.773E-42	8.46018E-40	0.277399	hyper	sig	chr2_109031555
chr19	48640131	48640131	+	4.786E-42	8.48126E-40	-0.41347	hypo	sig	chr19_48640131
chr6	1.69E+08	169158966	+	4.878E-42	8.64166E-40	-0.30621	hypo	sig	chr6_169158966
chr2	45004738	45004738	+	4.926E-42	8.72531E-40	0.230213	hyper	sig	chr2_45004738
chr11	526426	526426	+	4.955E-42	8.7749E-40	-0.29387	hypo	sig	chr11_526426
chr8	71843549	71843549	+	5.059E-42	8.95721E-40	0.306531	hyper	sig	chr8_71843549
chr17	78140871	78140871	+	5.06E-42	8.95752E-40	-0.31054	hypo	sig	chr17_78140871
chr10	1.33E+08	132960356	+	5.075E-42	8.98134E-40	-0.2928	hypo	sig	chr10_132960356
chr7	1.58E+08	157553971	+	5.083E-42	8.99443E-40	-0.39124	hypo	sig	chr7_157553971
chr1	1.72E+08	171841328	+	5.102E-42	9.02624E-40	0.227602	hyper	sig	chr1_171841328
chr5	1.35E+08	135027658	+	5.132E-42	9.07604E-40	0.370693	hyper	sig	chr5_135027658
chr11	69867825	69867825	+	5.136E-42	9.08216E-40	-0.28952	hypo	sig	chr11_69867825
chr8	54466472	54466472	+	5.171E-42	9.14157E-40	0.412484	hyper	sig	chr8_54466472
chr22	39374435	39374435	+	5.213E-42	9.21338E-40	-0.27239	hypo	sig	chr22_39374435
chr7	1.46E+08	146117060	+	5.239E-42	9.25777E-40	0.288504	hyper	sig	chr7_146117060
chr5	88602870	88602870	+	5.243E-42	9.26341E-40	-0.27642	hypo	sig	chr5_88602870
chr2	1.13E+08	113275837	+	5.335E-42	9.42278E-40	0.311008	hyper	sig	chr2_113275837
chr1	1.19E+08	119000505	+	5.337E-42	9.4229E-40	0.328851	hyper	sig	chr1_119000505
chr3	1.47E+08	147423127	+	5.339E-42	9.42451E-40	0.284159	hyper	sig	chr3_147423127
chr20	46017725	46017725	+	5.4E-42	9.52983E-40	-0.38845	hypo	sig	chr20_46017725
chr19	44448384	44448384	+	5.43E-42	9.58008E-40	0.326222	hyper	sig	chr19_44448384
chr5	1973672	1973672	+	5.521E-42	9.73939E-40	-0.2711	hypo	sig	chr5_1973672
chr1	1.51E+08	150508142	+	5.534E-42	9.7595E-40	-0.27373	hypo	sig	chr1_150508142
chr2	1743065	1743065	+	5.592E-42	9.85933E-40	0.256778	hyper	sig	chr2_1743065
chr3	1.47E+08	147411197	+	5.605E-42	9.88155E-40	0.342025	hyper	sig	chr3_147411197
chr11	24496733	24496733	+	5.648E-42	9.95385E-40	0.285386	hyper	sig	chr11_24496733
chr15	70475168	70475168	+	5.662E-42	9.97635E-40	-0.27058	hypo	sig	chr15_70475168
chr6	1.5E+08	149965001	+	5.677E-42	1.0001E-39	0.314394	hyper	sig	chr6_149965001
chr17	76872479	76872479	+	5.704E-42	1.00465E-39	-0.27448	hypo	sig	chr17_76872479
chr16	85624600	85624600	+	5.718E-42	1.00697E-39	-0.27917	hypo	sig	chr16_85624600
chr3	1.47E+08	147388848	+	5.735E-42	1.00973E-39	0.26872	hyper	sig	chr3_147388848
chr19	53521486	53521486	+	5.759E-42	1.01367E-39	0.327782	hyper	sig	chr19_53521486
chr16	3184346	3184346	+	5.804E-42	1.0214E-39	0.329103	hyper	sig	chr16_3184346
chr20	24470806	24470806	+	5.82E-42	1.02396E-39	0.263349	hyper	sig	chr20_24470806
chr20	33081612	33081612	+	5.863E-42	1.03127E-39	-0.34654	hypo	sig	chr20_33081612
chr8	96159793	96159793	+	5.886E-42	1.03507E-39	0.326695	hyper	sig	chr8_96159793

chr4	1.21E+08	121380583	+	5.889E-42	1.03552E-39	0.301372	hyper	sig	chr4_121380583
chr2	94735648	94735648	+	5.957E-42	1.04718E-39	0.344025	hyper	sig	chr2_94735648
chr6	72623129	72623129	+	5.962E-42	1.04786E-39	0.307554	hyper	sig	chr6_72623129
chr20	38728196	38728196	+	6.033E-42	1.06E-39	0.33436	hyper	sig	chr20_38728196
chr10	1.24E+08	123666131	+	6.068E-42	1.06607E-39	0.331246	hyper	sig	chr10_123666131
chr8	23685748	23685748	+	6.074E-42	1.06681E-39	-0.42501	hypo	sig	chr8_23685748
chr1	1.19E+08	119000499	+	6.118E-42	1.07425E-39	0.343742	hyper	sig	chr1_119000499
chr15	45704435	45704435	+	6.136E-42	1.07732E-39	0.274135	hyper	sig	chr15_45704435
chr13	27929371	27929371	+	6.202E-42	1.08867E-39	0.402915	hyper	sig	chr13_27929371
chr18	79785136	79785136	+	6.235E-42	1.09412E-39	-0.29172	hypo	sig	chr18_79785136
chr2	1.19E+08	118841942	+	6.265E-42	1.09911E-39	0.23046	hyper	sig	chr2_118841942
chr10	8037256	8037256	+	6.309E-42	1.10657E-39	0.294908	hyper	sig	chr10_8037256
chr11	32439148	32439148	+	6.352E-42	1.1139E-39	0.210451	hyper	sig	chr11_32439148
chr12	4909928	4909928	+	6.364E-42	1.11579E-39	0.288214	hyper	sig	chr12_4909928
chr7	1.55E+08	155467656	+	6.427E-42	1.12655E-39	0.331288	hyper	sig	chr7_155467656
chr12	1.17E+08	117033179	+	6.43E-42	1.12686E-39	0.293486	hyper	sig	chr12_117033179
chr4	4858248	4858248	+	6.461E-42	1.13217E-39	0.323591	hyper	sig	chr4_4858248
chr10	7409315	7409315	+	6.472E-42	1.13371E-39	0.277043	hyper	sig	chr10_7409315
chr17	8056589	8056589	+	6.512E-42	1.14047E-39	-0.27823	hypo	sig	chr17_8056589
chr19	1467033	1467033	+	6.516E-42	1.14094E-39	0.293202	hyper	sig	chr19_1467033
chr11	32437127	32437127	+	6.522E-42	1.14182E-39	0.270059	hyper	sig	chr11_32437127
chr5	1.71E+08	171309176	+	6.55E-42	1.14651E-39	0.30197	hyper	sig	chr5_171309176
chr2	1.19E+08	118856906	+	6.566E-42	1.14899E-39	0.289166	hyper	sig	chr2_118856906
chr11	68411460	68411460	+	6.628E-42	1.15953E-39	-0.32223	hypo	sig	chr11_68411460
chr16	2163773	2163773	+	6.643E-42	1.16205E-39	-0.27705	hypo	sig	chr16_2163773
chr6	72623115	72623115	+	6.649E-42	1.16274E-39	0.334537	hyper	sig	chr6_72623115
chr11	1.11E+08	111284029	+	6.666E-42	1.16556E-39	-0.30235	hypo	sig	chr11_111284029
chr1	47434004	47434004	+	6.71E-42	1.17267E-39	0.367653	hyper	sig	chr1_47434004
chr1	2.28E+08	228464718	+	6.709E-42	1.17267E-39	0.28036	hyper	sig	chr1_228464718
chr13	1.12E+08	112073923	+	6.742E-42	1.17807E-39	0.311846	hyper	sig	chr13_112073923
chr3	1.58E+08	158094963	+	6.746E-42	1.17851E-39	0.353341	hyper	sig	chr3_158094963
chr1	1.14E+08	114154427	+	6.798E-42	1.18736E-39	0.267823	hyper	sig	chr1_114154427
chr3	27731214	27731214	+	6.883E-42	1.20192E-39	0.263012	hyper	sig	chr3_27731214
chr7	1.59E+08	159144036	+	6.89E-42	1.20277E-39	0.342717	hyper	sig	chr7_159144036
chr17	64778592	64778592	+	6.902E-42	1.20473E-39	0.291813	hyper	sig	chr17_64778592
chr9	19789272	19789272	+	6.906E-42	1.20513E-39	0.387667	hyper	sig	chr9_19789272
chr13	27792681	27792681	+	7.064E-42	1.23248E-39	0.320344	hyper	sig	chr13_27792681
chr16	23836337	23836337	+	7.072E-42	1.2335E-39	0.287188	hyper	sig	chr16_23836337
chr1	1.19E+08	118990193	+	7.116E-42	1.24096E-39	0.270443	hyper	sig	chr1_118990193
chr5	77639149	77639149	+	7.142E-42	1.24524E-39	0.369889	hyper	sig	chr5_77639149
chr1	20473460	20473460	+	7.161E-42	1.24833E-39	0.327394	hyper	sig	chr1_20473460
chr20	21509553	21509553	+	7.165E-42	1.24868E-39	0.364227	hyper	sig	chr20_21509553
chr13	36154851	36154851	+	7.182E-42	1.25142E-39	0.360349	hyper	sig	chr13_36154851
chr1	1.14E+08	114154282	+	7.184E-42	1.25146E-39	0.288307	hyper	sig	chr1_114154282
chr7	93890271	93890271	+	7.19E-42	1.2522E-39	0.301894	hyper	sig	chr7_93890271
chr7	5303290	5303290	+	7.221E-42	1.25744E-39	-0.36957	hypo	sig	chr7_5303290
chr4	1.11E+08	110612722	+	7.235E-42	1.25963E-39	0.270787	hyper	sig	chr4_110612722
chr8	49910660	49910660	+	7.371E-42	1.28293E-39	0.302783	hyper	sig	chr8_49910660
chr12	78865054	78865054	+	7.431E-42	1.29281E-39	0.287378	hyper	sig	chr12_78865054
chr4	1.07E+08	107037347	+	7.434E-42	1.29317E-39	0.24382	hyper	sig	chr4_107037347
chr2	1.19E+08	118857412	+	7.537E-42	1.31068E-39	0.29815	hyper	sig	chr2_118857412
chr11	1.29E+08	128824291	+	7.74E-42	1.34567E-39	0.332945	hyper	sig	chr11_128824291
chr1	2054770	2054770	+	7.748E-42	1.34688E-39	0.246119	hyper	sig	chr1_2054770
chr22	46085115	46085115	+	7.887E-42	1.37063E-39	-0.31859	hypo	sig	chr22_46085115
chr5	1.41E+08	140786429	+	7.911E-42	1.3746E-39	0.264289	hyper	sig	chr5_140786429
chr13	1.02E+08	101706779	+	7.979E-42	1.38611E-39	-0.4371	hypo	sig	chr13_101706779

chr2	2.32E+08	232419692	+	8.096E-42	1.40607E-39	0.324365	hyper	sig	chr2_232419692
chr18	909087	909087	+	8.224E-42	1.42802E-39	0.352372	hyper	sig	chr18_909087
chr3	27723767	27723767	+	8.297E-42	1.44046E-39	0.376645	hyper	sig	chr3_27723767
chr4	1.33E+08	133148391	+	8.362E-42	1.45147E-39	0.315522	hyper	sig	chr4_133148391
chr19	43624122	43624122	+	8.422E-42	1.46157E-39	-0.3919	hypo	sig	chr19_43624122
chr11	67464416	67464416	+	8.468E-42	1.46918E-39	-0.29337	hypo	sig	chr11_67464416
chr8	23707073	23707073	+	8.63E-42	1.497E-39	0.275065	hyper	sig	chr8_23707073
chr17	48621771	48621771	+	8.65E-42	1.50001E-39	-0.3288	hypo	sig	chr17_48621771
chr5	54883782	54883782	+	8.669E-42	1.50276E-39	0.275035	hyper	sig	chr5_54883782
chr5	1.16E+08	115816716	+	8.668E-42	1.50276E-39	0.273386	hyper	sig	chr5_115816716
chr12	4909344	4909344	+	8.671E-42	1.50278E-39	0.376644	hyper	sig	chr12_4909344
chr9	3181035	3181035	+	8.706E-42	1.50845E-39	0.298903	hyper	sig	chr9_3181035
chr7	1.58E+08	158253576	+	8.743E-42	1.51453E-39	-0.24435	hypo	sig	chr7_158253576
chr16	84050370	84050370	+	8.765E-42	1.51806E-39	0.295686	hyper	sig	chr16_84050370
chr4	1057136	1057136	+	8.814E-42	1.52631E-39	-0.32511	hypo	sig	chr4_1057136
chr16	85082782	85082782	+	8.871E-42	1.53575E-39	0.275943	hyper	sig	chr16_85082782
chr4	21304425	21304425	+	8.939E-42	1.5473E-39	0.264816	hyper	sig	chr4_21304425
chr12	81078022	81078022	+	8.974E-42	1.55293E-39	0.383226	hyper	sig	chr12_81078022
chr12	1.13E+08	113476112	+	9.002E-42	1.55741E-39	0.310825	hyper	sig	chr12_113476112
chr5	1.71E+08	171308200	+	9.042E-42	1.56405E-39	0.29516	hyper	sig	chr5_171308200
chr19	53521490	53521490	+	9.09E-42	1.572E-39	0.324493	hyper	sig	chr19_53521490
chr1	50417634	50417634	+	9.132E-42	1.57898E-39	0.255631	hyper	sig	chr1_50417634
chr5	33936368	33936368	+	9.171E-42	1.58542E-39	0.322298	hyper	sig	chr5_33936368
chr1	1.47E+08	147078396	+	9.238E-42	1.59653E-39	0.308077	hyper	sig	chr1_147078396
chr15	55588891	55588891	+	9.376E-42	1.62012E-39	0.303836	hyper	sig	chr15_55588891
chr19	21851997	21851997	+	9.496E-42	1.64047E-39	0.216916	hyper	sig	chr19_21851997
chr16	85485347	85485347	+	9.625E-42	1.6624E-39	-0.32975	hypo	sig	chr16_85485347
chr10	1.3E+08	129969820	+	9.649E-42	1.66624E-39	0.220848	hyper	sig	chr10_129969820
chr8	96159760	96159760	+	9.716E-42	1.67738E-39	0.305587	hyper	sig	chr8_96159760
chr15	89409052	89409052	+	9.725E-42	1.67869E-39	0.210456	hyper	sig	chr15_89409052
chr6	32058090	32058090	+	9.78E-42	1.68784E-39	-0.31712	hypo	sig	chr6_32058090
chr3	1.47E+08	147407983	+	9.789E-42	1.68897E-39	0.309776	hyper	sig	chr3_147407983
chr12	84913075	84913075	+	9.814E-42	1.69294E-39	0.219971	hyper	sig	chr12_84913075
chr5	1.46E+08	146342931	+	9.823E-42	1.69417E-39	0.328163	hyper	sig	chr5_146342931
chr5	3597597	3597597	+	9.924E-42	1.71119E-39	0.342467	hyper	sig	chr5_3597597
chr1	39671501	39671501	+	9.993E-42	1.72275E-39	0.277751	hyper	sig	chr1_39671501
chr11	22432958	22432958	+	1.01E-41	1.74068E-39	0.322445	hyper	sig	chr11_22432958
chr19	12156675	12156675	+	1.02E-41	1.75751E-39	0.250678	hyper	sig	chr19_12156675
chr7	27103089	27103089	+	1.024E-41	1.76347E-39	0.286952	hyper	sig	chr7_27103089
chr15	79091516	79091516	+	1.027E-41	1.7688E-39	0.213432	hyper	sig	chr15_79091516
chr13	1.12E+08	112067982	+	1.03E-41	1.77348E-39	0.275191	hyper	sig	chr13_112067982
chr18	79782937	79782937	+	1.034E-41	1.78013E-39	-0.26957	hypo	sig	chr18_79782937
chr4	1.74E+08	173530093	+	1.039E-41	1.78829E-39	0.228767	hyper	sig	chr4_173530093
chr9	970581	970581	+	1.048E-41	1.80329E-39	0.252732	hyper	sig	chr9_970581
chr11	1.06E+08	105610586	+	1.054E-41	1.81374E-39	0.29885	hyper	sig	chr11_105610586
chr1	6466069	6466069	+	1.057E-41	1.81841E-39	0.300943	hyper	sig	chr1_6466069
chr1	75131170	75131170	+	1.057E-41	1.81869E-39	0.288174	hyper	sig	chr1_75131170
chr16	3305295	3305295	+	1.058E-41	1.81999E-39	0.238675	hyper	sig	chr16_3305295
chr6	1.5E+08	149965123	+	1.059E-41	1.82003E-39	0.353321	hyper	sig	chr6_149965123
chr12	1.04E+08	104303625	+	1.064E-41	1.82825E-39	0.296699	hyper	sig	chr12_104303625
chr6	1.37E+08	137498043	+	1.067E-41	1.83371E-39	0.216501	hyper	sig	chr6_137498043
chr7	1.58E+08	157851527	+	1.071E-41	1.8401E-39	-0.28413	hypo	sig	chr7_157851527
chr2	2.41E+08	241189362	+	1.078E-41	1.85088E-39	-0.41665	hypo	sig	chr2_241189362
chr6	29793046	29793046	+	1.079E-41	1.85253E-39	0.272398	hyper	sig	chr6_29793046
chr13	25046923	25046923	+	1.085E-41	1.86339E-39	0.379557	hyper	sig	chr13_25046923
chr1	2.28E+08	228464427	+	1.11E-41	1.90539E-39	0.260881	hyper	sig	chr1_228464427

chr4	1.72E+08	171813157	+	1.111E-41	1.90621E-39	0.237922	hyper	sig	chr4_171813157
chr5	1.71E+08	171309197	+	1.111E-41	1.90621E-39	0.311642	hyper	sig	chr5_171309197
chr10	1.32E+08	132485080	+	1.124E-41	1.92749E-39	-0.26242	hypo	sig	chr10_132485080
chr6	1.5E+08	149965112	+	1.126E-41	1.93103E-39	0.339537	hyper	sig	chr6_149965112
chr20	21517626	21517626	+	1.128E-41	1.93496E-39	0.36561	hyper	sig	chr20_21517626
chr3	48661666	48661666	+	1.142E-41	1.95834E-39	0.296123	hyper	sig	chr3_48661666
chr17	18634729	18634729	+	1.166E-41	1.99931E-39	0.268073	hyper	sig	chr17_18634729
chr14	69850455	69850455	+	1.167E-41	2.00033E-39	-0.44038	hypo	sig	chr14_69850455
chr17	48621752	48621752	+	1.173E-41	2.01037E-39	-0.33259	hypo	sig	chr17_48621752
chr11	8169031	8169031	+	1.189E-41	2.03658E-39	0.272065	hyper	sig	chr11_8169031
chr17	17562162	17562162	+	1.201E-41	2.05708E-39	-0.30199	hypo	sig	chr17_17562162
chr5	1.41E+08	141476716	+	1.202E-41	2.05793E-39	0.279177	hyper	sig	chr5_141476716
chr16	1221180	1221180	+	1.207E-41	2.06639E-39	-0.36261	hypo	sig	chr16_1221180
chr1	38134492	38134492	+	1.209E-41	2.06977E-39	0.24984	hyper	sig	chr1_38134492
chr7	27102481	27102481	+	1.212E-41	2.0745E-39	0.385246	hyper	sig	chr7_27102481
chr11	20160489	20160489	+	1.236E-41	2.11398E-39	0.279101	hyper	sig	chr11_20160489
chr16	1002577	1002577	+	1.239E-41	2.11977E-39	-0.38331	hypo	sig	chr16_1002577
chr10	1.3E+08	129969794	+	1.243E-41	2.12537E-39	0.24659	hyper	sig	chr10_129969794
chr6	1.67E+08	166779085	+	1.245E-41	2.12818E-39	-0.27278	hypo	sig	chr6_166779085
chr6	37630456	37630456	+	1.248E-41	2.13257E-39	-0.40323	hypo	sig	chr6_37630456
chr5	44389746	44389746	+	1.249E-41	2.13487E-39	0.316687	hyper	sig	chr5_44389746
chr8	11703977	11703977	+	1.262E-41	2.15655E-39	0.216121	hyper	sig	chr8_11703977
chr16	88155210	88155210	+	1.277E-41	2.18162E-39	-0.26066	hypo	sig	chr16_88155210
chr13	57631897	57631897	+	1.299E-41	2.21839E-39	0.384391	hyper	sig	chr13_57631897
chr5	64506566	64506566	+	1.304E-41	2.22682E-39	0.242333	hyper	sig	chr5_64506566
chr3	1.71E+08	170585401	+	1.311E-41	2.23864E-39	0.311176	hyper	sig	chr3_170585401
chr13	1.02E+08	101917486	+	1.324E-41	2.25984E-39	0.27316	hyper	sig	chr13_101917486
chr14	1.05E+08	104726989	+	1.329E-41	2.26688E-39	-0.28532	hypo	sig	chr14_104726989
chr1	2.28E+08	228148773	+	1.335E-41	2.27626E-39	-0.35288	hypo	sig	chr1_228148773
chr7	1.37E+08	136869121	+	1.335E-41	2.27626E-39	0.390143	hyper	sig	chr7_136869121
chr12	1.14E+08	114405491	+	1.335E-41	2.27678E-39	0.230742	hyper	sig	chr12_114405491
chr1	6466091	6466091	+	1.351E-41	2.30333E-39	0.308853	hyper	sig	chr1_6466091
chr5	1.41E+08	141403251	+	1.358E-41	2.31529E-39	0.308234	hyper	sig	chr5_141403251
chr4	11427900	11427900	+	1.369E-41	2.33288E-39	0.329842	hyper	sig	chr4_11427900
chr19	37251932	37251932	+	1.379E-41	2.34965E-39	0.32969	hyper	sig	chr19_37251932
chr5	1.35E+08	135041368	+	1.388E-41	2.36461E-39	0.336389	hyper	sig	chr5_135041368
chr5	1.14E+08	114055992	+	1.39E-41	2.36767E-39	0.310061	hyper	sig	chr5_114055992
chr1	3650724	3650724	+	1.398E-41	2.37977E-39	0.305225	hyper	sig	chr1_3650724
chr7	32070596	32070596	+	1.404E-41	2.39E-39	0.251591	hyper	sig	chr7_32070596
chr17	78853015	78853015	+	1.405E-41	2.3917E-39	-0.28819	hypo	sig	chr17_78853015
chr7	97007319	97007319	+	1.408E-41	2.39502E-39	0.266648	hyper	sig	chr7_97007319
chr4	21304428	21304428	+	1.427E-41	2.4283E-39	0.284402	hyper	sig	chr4_21304428
chr20	21706760	21706760	+	1.434E-41	2.43895E-39	0.330096	hyper	sig	chr20_21706760
chr6	29792246	29792246	+	1.438E-41	2.44552E-39	0.362733	hyper	sig	chr6_29792246
chr19	3482769	3482769	+	1.451E-41	2.46626E-39	-0.33844	hypo	sig	chr19_3482769
chr9	1045628	1045628	+	1.451E-41	2.46626E-39	0.269341	hyper	sig	chr9_1045628
chr13	87674646	87674646	+	1.468E-41	2.49487E-39	0.341561	hyper	sig	chr13_87674646
chr2	1.64E+08	163736058	+	1.48E-41	2.51466E-39	0.312925	hyper	sig	chr2_163736058
chr12	29783561	29783561	+	1.487E-41	2.52603E-39	0.26202	hyper	sig	chr12_29783561
chr12	54054115	54054115	+	1.502E-41	2.54976E-39	0.268574	hyper	sig	chr12_54054115
chr16	89817693	89817693	+	1.52E-41	2.57958E-39	-0.30924	hypo	sig	chr16_89817693
chr14	90593768	90593768	+	1.523E-41	2.58493E-39	-0.3358	hypo	sig	chr14_90593768
chr4	304990	304990	+	1.523E-41	2.58507E-39	0.312922	hyper	sig	chr4_304990
chr2	2.19E+08	219057619	+	1.53E-41	2.59542E-39	0.217253	hyper	sig	chr2_219057619
chr1	2E+08	200034214	+	1.541E-41	2.61302E-39	0.327391	hyper	sig	chr1_200034214
chr4	1.47E+08	146640617	+	1.549E-41	2.62627E-39	0.286446	hyper	sig	chr4_146640617

chr4	1.07E+08	107037324	+	1.561E-41	2.64589E-39	0.266133	hyper	sig	chr4_107037324
chr11	1.33E+08	132994218	+	1.564E-41	2.65128E-39	0.25377	hyper	sig	chr11_132994218
chr15	88769802	88769802	+	1.59E-41	2.69414E-39	0.285981	hyper	sig	chr15_88769802
chr1	3434603	3434603	+	1.599E-41	2.70959E-39	-0.29277	hypo	sig	chr1_3434603
chr10	472287	472287	+	1.606E-41	2.72055E-39	-0.34775	hypo	sig	chr10_472287
chr13	52845482	52845482	+	1.607E-41	2.7215E-39	0.328304	hyper	sig	chr13_52845482
chr13	1.12E+08	112069228	+	1.616E-41	2.73585E-39	0.277933	hyper	sig	chr13_112069228
chr3	49657638	49657638	+	1.625E-41	2.75141E-39	-0.36441	hypo	sig	chr3_49657638
chr10	99234203	99234203	+	1.626E-41	2.75201E-39	0.221598	hyper	sig	chr10_99234203
chr18	79782963	79782963	+	1.63E-41	2.7586E-39	-0.25053	hypo	sig	chr18_79782963
chr11	1852787	1852787	+	1.643E-41	2.78015E-39	-0.32834	hypo	sig	chr11_1852787
chr8	56446147	56446147	+	1.648E-41	2.78802E-39	0.405496	hyper	sig	chr8_56446147
chr9	1045634	1045634	+	1.667E-41	2.81851E-39	0.258627	hyper	sig	chr9_1045634
chr10	55628309	55628309	+	1.684E-41	2.84707E-39	0.326566	hyper	sig	chr10_55628309
chr19	21463538	21463538	+	1.706E-41	2.88453E-39	0.387994	hyper	sig	chr19_21463538
chr6	1.27E+08	127120092	+	1.736E-41	2.9342E-39	0.233454	hyper	sig	chr6_127120092
chr14	85532264	85532264	+	1.742E-41	2.94295E-39	0.327981	hyper	sig	chr14_85532264
chr19	33623306	33623306	+	1.742E-41	2.94295E-39	0.24265	hyper	sig	chr19_33623306
chr5	1.75E+08	174731962	+	1.745E-41	2.94677E-39	0.291901	hyper	sig	chr5_174731962
chr19	52370106	52370106	+	1.749E-41	2.95328E-39	0.372591	hyper	sig	chr19_52370106
chr6	30260299	30260299	+	1.75E-41	2.95371E-39	0.27388	hyper	sig	chr6_30260299
chr4	65669485	65669485	+	1.753E-41	2.95918E-39	0.299667	hyper	sig	chr4_65669485
chr4	21304403	21304403	+	1.755E-41	2.96194E-39	0.280421	hyper	sig	chr4_21304403
chr3	1.8E+08	180036752	+	1.765E-41	2.97712E-39	0.279902	hyper	sig	chr3_180036752
chr16	88116354	88116354	+	1.785E-41	3.01047E-39	-0.2891	hypo	sig	chr16_88116354
chr10	23191387	23191387	+	1.788E-41	3.01465E-39	0.304115	hyper	sig	chr10_23191387
chr7	1.57E+08	157297321	+	1.792E-41	3.02048E-39	-0.38009	hypo	sig	chr7_157297321
chr8	1.42E+08	142464430	+	1.806E-41	3.04467E-39	0.235551	hyper	sig	chr8_142464430
chr2	1.13E+08	113275950	+	1.818E-41	3.06371E-39	0.329066	hyper	sig	chr2_113275950
chr12	54047495	54047495	+	1.823E-41	3.07102E-39	0.4411	hyper	sig	chr12_54047495
chr5	3198061	3198061	+	1.828E-41	3.08002E-39	0.345574	hyper	sig	chr5_3198061
chr7	8442471	8442471	+	1.836E-41	3.09172E-39	0.33024	hyper	sig	chr7_8442471
chr3	1.47E+08	147410402	+	1.839E-41	3.09736E-39	0.318732	hyper	sig	chr3_147410402
chr17	78862207	78862207	+	1.85E-41	3.11475E-39	-0.38824	hypo	sig	chr17_78862207
chr6	33176030	33176030	+	1.858E-41	3.12644E-39	-0.27489	hypo	sig	chr6_33176030
chr7	50303743	50303743	+	1.875E-41	3.15473E-39	0.207912	hyper	sig	chr7_50303743
chr16	67165524	67165524	+	1.881E-41	3.16522E-39	0.381287	hyper	sig	chr16_67165524
chr7	27103180	27103180	+	1.895E-41	3.18685E-39	0.297236	hyper	sig	chr7_27103180
chr11	68843164	68843164	+	1.897E-41	3.18937E-39	-0.21648	hypo	sig	chr11_68843164
chr17	48726937	48726937	+	1.911E-41	3.21238E-39	0.26464	hyper	sig	chr17_48726937
chr11	1.09E+08	109423446	+	1.915E-41	3.21818E-39	0.301766	hyper	sig	chr11_109423446
chr14	41606545	41606545	+	1.918E-41	3.22318E-39	0.307396	hyper	sig	chr14_41606545
chr20	23048676	23048676	+	1.922E-41	3.22824E-39	0.260784	hyper	sig	chr20_23048676
chr1	53738738	53738738	+	1.936E-41	3.25118E-39	0.229853	hyper	sig	chr1_53738738
chr22	24427506	24427506	+	1.946E-41	3.26823E-39	-0.29321	hypo	sig	chr22_24427506
chr12	80708737	80708737	+	1.949E-41	3.2728E-39	0.295254	hyper	sig	chr12_80708737
chr12	96489424	96489424	+	1.956E-41	3.28291E-39	0.245584	hyper	sig	chr12_96489424
chr17	48726801	48726801	+	1.966E-41	3.30019E-39	0.313412	hyper	sig	chr17_48726801
chr4	1.21E+08	121380624	+	1.969E-41	3.30326E-39	0.28965	hyper	sig	chr4_121380624
chr5	1.35E+08	135327144	+	1.973E-41	3.30915E-39	0.266717	hyper	sig	chr5_135327144
chr13	36154868	36154868	+	1.996E-41	3.34695E-39	0.374782	hyper	sig	chr13_36154868
chr19	44448578	44448578	+	2.004E-41	3.36009E-39	0.257801	hyper	sig	chr19_44448578
chr13	29480322	29480322	+	2.017E-41	3.38129E-39	-0.33206	hypo	sig	chr13_29480322
chr11	1.33E+08	132994209	+	2.026E-41	3.3959E-39	0.254376	hyper	sig	chr11_132994209
chr1	1.08E+08	107965898	+	2.031E-41	3.40327E-39	0.302735	hyper	sig	chr1_107965898
chr16	67161911	67161911	+	2.032E-41	3.40368E-39	-0.32241	hypo	sig	chr16_67161911

chr18	12253807	12253807	+	2.032E-41	3.40368E-39	0.220129	hyper	sig	chr18_12253807
chr19	49133313	49133313	+	2.049E-41	3.43126E-39	0.330671	hyper	sig	chr19_49133313
chr17	17445713	17445713	+	2.081E-41	3.48408E-39	-0.34798	hypo	sig	chr17_17445713
chr4	1.9E+08	190018027	+	2.081E-41	3.48408E-39	0.252257	hyper	sig	chr4_190018027
chr16	987423	987423	+	2.084E-41	3.48886E-39	-0.40278	hypo	sig	chr16_987423
chr19	1467030	1467030	+	2.086E-41	3.49088E-39	0.291421	hyper	sig	chr19_1467030
chr1	1.08E+08	107965886	+	2.088E-41	3.49269E-39	0.320485	hyper	sig	chr1_107965886
chr18	37567569	37567569	+	2.09E-41	3.49647E-39	0.356026	hyper	sig	chr18_37567569
chr10	1.01E+08	101134386	+	2.093E-41	3.50046E-39	0.237179	hyper	sig	chr10_101134386
chr15	79090319	79090319	+	2.096E-41	3.5041E-39	0.211777	hyper	sig	chr15_79090319
chr14	85531133	85531133	+	2.109E-41	3.5259E-39	0.381653	hyper	sig	chr14_85531133
chr11	44311581	44311581	+	2.11E-41	3.52701E-39	0.283051	hyper	sig	chr11_44311581
chr13	21668903	21668903	+	2.113E-41	3.53029E-39	0.382166	hyper	sig	chr13_21668903
chr4	1.47E+08	146640606	+	2.126E-41	3.55195E-39	0.291438	hyper	sig	chr4_146640606
chr17	82710802	82710802	+	2.134E-41	3.56454E-39	-0.32064	hypo	sig	chr17_82710802
chr14	88326974	88326974	+	2.143E-41	3.57757E-39	0.299947	hyper	sig	chr14_88326974
chr12	66234342	66234342	+	2.15E-41	3.58861E-39	-0.42369	hypo	sig	chr12_66234342
chr3	35640118	35640118	+	2.15E-41	3.58861E-39	0.324088	hyper	sig	chr3_35640118
chr8	23706427	23706427	+	2.169E-41	3.6186E-39	0.286497	hyper	sig	chr8_23706427
chr17	48726895	48726895	+	2.173E-41	3.62482E-39	0.227212	hyper	sig	chr17_48726895
chr2	44933275	44933275	+	2.173E-41	3.62482E-39	0.304011	hyper	sig	chr2_44933275
chr5	38846423	38846423	+	2.18E-41	3.63496E-39	0.332757	hyper	sig	chr5_38846423
chr4	1.11E+08	110614441	+	2.19E-41	3.65149E-39	0.381755	hyper	sig	chr4_110614441
chr12	53960757	53960757	+	2.203E-41	3.67257E-39	0.310108	hyper	sig	chr12_53960757
chr2	31137898	31137898	+	2.222E-41	3.70343E-39	0.260595	hyper	sig	chr2_31137898
chr6	1.52E+08	151807393	+	2.257E-41	3.76091E-39	0.300668	hyper	sig	chr6_151807393
chr16	88938462	88938462	+	2.273E-41	3.78628E-39	-0.39758	hypo	sig	chr16_88938462
chr14	1.04E+08	104304644	+	2.282E-41	3.80089E-39	-0.30454	hypo	sig	chr14_104304644
chr12	29783565	29783565	+	2.32E-41	3.86357E-39	0.248604	hyper	sig	chr12_29783565
chr8	26051729	26051729	+	2.321E-41	3.86357E-39	0.316902	hyper	sig	chr8_26051729
chr11	32437151	32437151	+	2.377E-41	3.95568E-39	0.267845	hyper	sig	chr11_32437151
chr19	57351105	57351105	+	2.427E-41	4.03809E-39	0.237807	hyper	sig	chr19_57351105
chr17	45261760	45261760	+	2.442E-41	4.06159E-39	0.333634	hyper	sig	chr17_45261760
chr20	21515534	21515534	+	2.443E-41	4.06271E-39	0.299789	hyper	sig	chr20_21515534
chr19	53521484	53521484	+	2.453E-41	4.07902E-39	0.329424	hyper	sig	chr19_53521484
chr17	52159157	52159157	+	2.457E-41	4.08489E-39	0.334051	hyper	sig	chr17_52159157
chr1	3651074	3651074	+	2.461E-41	4.09045E-39	0.327847	hyper	sig	chr1_3651074
chr14	41609960	41609960	+	2.48E-41	4.1205E-39	0.273182	hyper	sig	chr14_41609960
chr6	1.08E+08	108171166	+	2.498E-41	4.15001E-39	0.380873	hyper	sig	chr6_108171166
chr1	47433990	47433990	+	2.501E-41	4.15482E-39	0.358273	hyper	sig	chr1_47433990
chr2	1.19E+08	118854760	+	2.504E-41	4.15777E-39	0.22561	hyper	sig	chr2_118854760
chr7	50303735	50303735	+	2.51E-41	4.16723E-39	0.263709	hyper	sig	chr7_50303735
chr17	81400917	81400917	+	2.512E-41	4.1693E-39	0.348949	hyper	sig	chr17_81400917
chr4	4862903	4862903	+	2.518E-41	4.17987E-39	0.325632	hyper	sig	chr4_4862903
chr16	88316265	88316265	+	2.526E-41	4.19202E-39	-0.25603	hypo	sig	chr16_88316265
chr6	98825709	98825709	+	2.536E-41	4.20715E-39	0.281815	hyper	sig	chr6_98825709
chr21	43721016	43721016	+	2.541E-41	4.21453E-39	-0.30206	hypo	sig	chr21_43721016
chr12	1.15E+08	114680932	+	2.541E-41	4.21469E-39	-0.28971	hypo	sig	chr12_114680932
chr12	1.32E+08	132260997	+	2.555E-41	4.23561E-39	-0.33054	hypo	sig	chr12_132260997
chr21	44994671	44994671	+	2.556E-41	4.23573E-39	-0.27587	hypo	sig	chr21_44994671
chr3	1.47E+08	147388811	+	2.556E-41	4.23573E-39	0.274282	hyper	sig	chr3_147388811
chr20	23048653	23048653	+	2.558E-41	4.23794E-39	0.274206	hyper	sig	chr20_23048653
chr20	21514017	21514017	+	2.56E-41	4.24121E-39	0.251792	hyper	sig	chr20_21514017
chr10	27746717	27746717	+	2.587E-41	4.28452E-39	0.298152	hyper	sig	chr10_27746717
chr11	31826962	31826962	+	2.622E-41	4.34133E-39	0.359287	hyper	sig	chr11_31826962
chr8	68330717	68330717	+	2.632E-41	4.35849E-39	0.259656	hyper	sig	chr8_68330717

chr17	77373518	77373518	+	2.652E-41	4.39005E-39	0.409456	hyper	sig	chr17_77373518
chr19	36245663	36245663	+	2.658E-41	4.39845E-39	0.256845	hyper	sig	chr19_36245663
chr5	55222876	55222876	+	2.671E-41	4.41877E-39	0.299744	hyper	sig	chr5_55222876
chr16	67163633	67163633	+	2.697E-41	4.46123E-39	0.385382	hyper	sig	chr16_67163633
chr3	6862409	6862409	+	2.698E-41	4.46325E-39	0.356008	hyper	sig	chr3_6862409
chr3	49686184	49686184	+	2.711E-41	4.4831E-39	0.272785	hyper	sig	chr3_49686184
chr2	53860107	53860107	+	2.718E-41	4.49345E-39	0.446386	hyper	sig	chr2_53860107
chr13	78596244	78596244	+	2.738E-41	4.52547E-39	0.22927	hyper	sig	chr13_78596244
chr15	52795402	52795402	+	2.739E-41	4.52697E-39	0.275479	hyper	sig	chr15_52795402
chr16	89188699	89188699	+	2.777E-41	4.58797E-39	-0.37012	hypo	sig	chr16_89188699
chr11	32439123	32439123	+	2.786E-41	4.60274E-39	0.259862	hyper	sig	chr11_32439123
chr6	1.37E+08	137498036	+	2.794E-41	4.61529E-39	0.203017	hyper	sig	chr6_137498036
chr2	1.39E+08	138780173	+	2.813E-41	4.64526E-39	0.282754	hyper	sig	chr2_138780173
chr16	29189032	29189032	+	2.838E-41	4.68497E-39	-0.24332	hypo	sig	chr16_29189032
chr6	32221307	32221307	+	2.847E-41	4.69869E-39	-0.2899	hypo	sig	chr6_32221307
chr4	1.64E+08	164383235	+	2.854E-41	4.70923E-39	0.327172	hyper	sig	chr4_164383235
chr2	2.35E+08	235052940	+	2.872E-41	4.73832E-39	-0.2952	hypo	sig	chr2_235052940
chr10	1.24E+08	123891510	+	2.942E-41	4.85391E-39	0.297585	hyper	sig	chr10_123891510
chr16	3305361	3305361	+	2.944E-41	4.85581E-39	0.259849	hyper	sig	chr16_3305361
chr7	85185772	85185772	+	2.965E-41	4.88895E-39	0.312903	hyper	sig	chr7_85185772
chr16	81215105	81215105	+	2.972E-41	4.90015E-39	-0.45057	hypo	sig	chr16_81215105
chr14	85531409	85531409	+	2.973E-41	4.90109E-39	0.384944	hyper	sig	chr14_85531409
chr12	85273829	85273829	+	2.985E-41	4.91864E-39	0.318743	hyper	sig	chr12_85273829
chr2	1.19E+08	118854758	+	2.99E-41	4.92676E-39	0.239281	hyper	sig	chr2_118854758
chr16	58464653	58464653	+	3.028E-41	4.98861E-39	0.228645	hyper	sig	chr16_58464653
chr11	44311092	44311092	+	3.053E-41	5.02836E-39	0.230184	hyper	sig	chr11_44311092
chr13	1.1E+08	110308093	+	3.055E-41	5.03051E-39	0.29829	hyper	sig	chr13_110308093
chr5	1.46E+08	146342944	+	3.056E-41	5.03051E-39	0.324833	hyper	sig	chr5_146342944
chr8	1.44E+08	144046770	+	3.079E-41	5.06843E-39	-0.36213	hypo	sig	chr8_144046770
chr8	52940097	52940097	+	3.103E-41	5.10604E-39	0.346859	hyper	sig	chr8_52940097
chr14	24132466	24132466	+	3.106E-41	5.11068E-39	-0.32118	hypo	sig	chr14_24132466
chr1	3650853	3650853	+	3.159E-41	5.19647E-39	0.346346	hyper	sig	chr1_3650853
chr1	6386087	6386087	+	3.17E-41	5.21335E-39	-0.36586	hypo	sig	chr1_6386087
chr1	3651027	3651027	+	3.194E-41	5.25131E-39	0.316569	hyper	sig	chr1_3651027
chr7	54542277	54542277	+	3.196E-41	5.25476E-39	0.359957	hyper	sig	chr7_54542277
chr3	10993290	10993290	+	3.205E-41	5.2673E-39	0.302821	hyper	sig	chr3_10993290
chr2	1.76E+08	176159599	+	3.218E-41	5.28822E-39	-0.29581	hypo	sig	chr2_176159599
chr11	1838884	1838884	+	3.237E-41	5.31893E-39	-0.29853	hypo	sig	chr11_1838884
chr4	304987	304987	+	3.268E-41	5.3686E-39	0.309205	hyper	sig	chr4_304987
chr3	1.38E+08	137767454	+	3.28E-41	5.38721E-39	0.239874	hyper	sig	chr3_137767454
chr4	1.11E+08	110618379	+	3.283E-41	5.38965E-39	0.262672	hyper	sig	chr4_110618379
chr3	1.47E+08	147423337	+	3.323E-41	5.45563E-39	0.315393	hyper	sig	chr3_147423337
chr7	1.55E+08	155467662	+	3.328E-41	5.46205E-39	0.314416	hyper	sig	chr7_155467662
chr4	1.25E+08	125316487	+	3.339E-41	5.4789E-39	0.281742	hyper	sig	chr4_125316487
chr7	1602197	1602197	+	3.368E-41	5.52548E-39	-0.3268	hypo	sig	chr7_1602197
chr8	49911012	49911012	+	3.372E-41	5.53047E-39	0.289021	hyper	sig	chr8_49911012
chr6	73225547	73225547	+	3.431E-41	5.62618E-39	-0.36303	hypo	sig	chr6_73225547
chr14	1.01E+08	101064006	+	3.433E-41	5.62841E-39	-0.28198	hypo	sig	chr14_101064006
chr2	2.07E+08	206642401	+	3.434E-41	5.62972E-39	0.265062	hyper	sig	chr2_206642401
chr13	27929374	27929374	+	3.444E-41	5.64449E-39	0.404437	hyper	sig	chr13_27929374
chr7	1.59E+08	158741145	+	3.464E-41	5.6765E-39	-0.30336	hypo	sig	chr7_158741145
chr12	1.27E+08	126727899	+	3.512E-41	5.75318E-39	0.302755	hyper	sig	chr12_126727899
chr12	1.03E+08	102961357	+	3.527E-41	5.77769E-39	0.304043	hyper	sig	chr12_102961357
chr11	1.06E+08	105610579	+	3.542E-41	5.80108E-39	0.273506	hyper	sig	chr11_105610579
chr2	38075451	38075451	+	3.56E-41	5.8293E-39	0.427252	hyper	sig	chr2_38075451
chr16	62036243	62036243	+	3.577E-41	5.8561E-39	0.297371	hyper	sig	chr16_62036243

chr5	1.41E+08	141417761	+	3.592E-41	5.87796E-39	0.288639	hyper	sig	chr5_141417761
chr6	50724440	50724440	+	3.608E-41	5.90427E-39	0.257201	hyper	sig	chr6_50724440
chr7	54542275	54542275	+	3.615E-41	5.91448E-39	0.353268	hyper	sig	chr7_54542275
chr1	47434480	47434480	+	3.624E-41	5.92834E-39	0.317921	hyper	sig	chr1_47434480
chr2	74499355	74499355	+	3.625E-41	5.92874E-39	0.22056	hyper	sig	chr2_74499355
chr8	1.24E+08	123540018	+	3.64E-41	5.95056E-39	-0.51501	hypo	sig	chr8_123540018
chr1	20473300	20473300	+	3.655E-41	5.97514E-39	0.350975	hyper	sig	chr1_20473300
chr12	1.3E+08	130042385	+	3.658E-41	5.97895E-39	0.285863	hyper	sig	chr12_130042385
chr5	55222870	55222870	+	3.671E-41	5.99769E-39	0.305406	hyper	sig	chr5_55222870
chr15	55588763	55588763	+	3.696E-41	6.03759E-39	0.234248	hyper	sig	chr15_55588763
chr4	42152895	42152895	+	3.704E-41	6.04925E-39	0.307867	hyper	sig	chr4_42152895
chr5	3602299	3602299	+	3.706E-41	6.05122E-39	0.349131	hyper	sig	chr5_3602299
chr6	1.66E+08	165819533	+	3.733E-41	6.09532E-39	0.296157	hyper	sig	chr6_165819533
chr16	89085068	89085068	+	3.736E-41	6.09907E-39	-0.26479	hypo	sig	chr16_89085068
chr7	27106783	27106783	+	3.751E-41	6.12234E-39	0.288476	hyper	sig	chr7_27106783
chr18	55779561	55779561	+	3.761E-41	6.1367E-39	0.379422	hyper	sig	chr18_55779561
chr10	1173477	1173477	+	3.77E-41	6.1496E-39	-0.32918	hypo	sig	chr10_1173477
chr2	2.42E+08	241985800	+	3.813E-41	6.21927E-39	-0.36652	hypo	sig	chr2_241985800
chr2	1.87E+08	186849175	+	3.823E-41	6.23416E-39	0.26624	hyper	sig	chr2_186849175
chr5	33936297	33936297	+	3.882E-41	6.32876E-39	0.327872	hyper	sig	chr5_33936297
chr5	1.73E+08	173245387	+	3.894E-41	6.34711E-39	0.285113	hyper	sig	chr5_173245387
chr13	27927027	27927027	+	3.96E-41	6.45294E-39	0.301724	hyper	sig	chr13_27927027
chr2	1.87E+08	186849247	+	4.002E-41	6.52063E-39	0.246169	hyper	sig	chr2_186849247
chr4	1.9E+08	190018035	+	4.018E-41	6.54488E-39	0.244234	hyper	sig	chr4_190018035
chr10	1.29E+08	128568381	+	4.019E-41	6.54535E-39	-0.33838	hypo	sig	chr10_128568381
chr5	3606379	3606379	+	4.022E-41	6.55006E-39	0.32074	hyper	sig	chr5_3606379
chr11	1.29E+08	128824350	+	4.086E-41	6.6523E-39	0.27674	hyper	sig	chr11_128824350
chr4	1.11E+08	110630895	+	4.1E-41	6.67375E-39	0.267509	hyper	sig	chr4_110630895
chr1	20553062	20553062	+	4.102E-41	6.67543E-39	0.343874	hyper	sig	chr1_20553062
chr11	1.34E+08	134068915	+	4.14E-41	6.73645E-39	0.242742	hyper	sig	chr11_134068915
chr15	82680970	82680970	+	4.144E-41	6.74089E-39	0.284937	hyper	sig	chr15_82680970
chr5	1884399	1884399	+	4.161E-41	6.76767E-39	0.259627	hyper	sig	chr5_1884399
chr1	2.28E+08	228464777	+	4.175E-41	6.78925E-39	0.302651	hyper	sig	chr1_228464777
chr3	198462	198462	+	4.187E-41	6.80798E-39	0.345104	hyper	sig	chr3_198462
chr11	2140671	2140671	+	4.197E-41	6.8214E-39	0.273245	hyper	sig	chr11_2140671
chr11	64223117	64223117	+	4.22E-41	6.85801E-39	-0.271	hypo	sig	chr11_64223117
chr4	1.72E+08	171813666	+	4.242E-41	6.89218E-39	0.360042	hyper	sig	chr4_171813666
chr1	1.08E+08	107964757	+	4.261E-41	6.92151E-39	0.266704	hyper	sig	chr1_107964757
chr2	44933237	44933237	+	4.29E-41	6.96853E-39	0.30787	hyper	sig	chr2_44933237
chr6	10882743	10882743	+	4.297E-41	6.97798E-39	0.325178	hyper	sig	chr6_10882743
chr16	88691264	88691264	+	4.341E-41	7.04753E-39	-0.32085	hypo	sig	chr16_88691264
chr5	1.59E+08	159097340	+	4.347E-41	7.05655E-39	0.334135	hyper	sig	chr5_159097340
chr16	89154263	89154263	+	4.359E-41	7.07396E-39	-0.312	hypo	sig	chr16_89154263
chr5	3602191	3602191	+	4.386E-41	7.11644E-39	0.325139	hyper	sig	chr5_3602191
chr5	55222970	55222970	+	4.47E-41	7.25192E-39	0.281286	hyper	sig	chr5_55222970
chr8	68330686	68330686	+	4.479E-41	7.26519E-39	0.292946	hyper	sig	chr8_68330686
chr10	25934022	25934022	+	4.531E-41	7.34725E-39	0.311841	hyper	sig	chr10_25934022
chr18	909117	909117	+	4.592E-41	7.44362E-39	0.33907	hyper	sig	chr18_909117
chr16	71426503	71426503	+	4.635E-41	7.51149E-39	0.24577	hyper	sig	chr16_71426503
chr22	39374403	39374403	+	4.647E-41	7.52942E-39	-0.27996	hypo	sig	chr22_39374403
chr7	54544709	54544709	+	4.664E-41	7.55621E-39	0.370906	hyper	sig	chr7_54544709
chr14	56810104	56810104	+	4.669E-41	7.56268E-39	0.412116	hyper	sig	chr14_56810104
chr8	9903087	9903087	+	4.754E-41	7.699E-39	0.33119	hyper	sig	chr8_9903087
chr5	1.8E+08	179840782	+	4.759E-41	7.7051E-39	0.402106	hyper	sig	chr5_179840782
chr9	19789281	19789281	+	4.775E-41	7.72973E-39	0.363754	hyper	sig	chr9_19789281
chr1	1.19E+08	118990302	+	4.784E-41	7.74264E-39	0.330236	hyper	sig	chr1_118990302

chr19	21463733	21463733	+	4.81E-41	7.78221E-39	0.418505	hyper	sig	chr19_21463733
chr6	1.66E+08	165819513	+	4.917E-41	7.95406E-39	0.288158	hyper	sig	chr6_165819513
chr5	1.35E+08	135029238	+	4.92E-41	7.95777E-39	0.393459	hyper	sig	chr5_135029238
chr12	85279536	85279536	+	4.942E-41	7.99099E-39	0.29814	hyper	sig	chr12_85279536
chr11	94769387	94769387	+	4.953E-41	8.00714E-39	0.252703	hyper	sig	chr11_94769387
chr4	89836460	89836460	+	4.995E-41	8.0746E-39	0.332207	hyper	sig	chr4_89836460
chr5	1.75E+08	174732111	+	4.996E-41	8.0746E-39	0.347587	hyper	sig	chr5_174732111
chr4	95548943	95548943	+	4.997E-41	8.07474E-39	0.454965	hyper	sig	chr4_95548943
chr12	4909925	4909925	+	5.041E-41	8.14386E-39	0.254303	hyper	sig	chr12_4909925
chr16	85947717	85947717	+	5.044E-41	8.14616E-39	-0.33534	hypo	sig	chr16_85947717
chr6	10382612	10382612	+	5.052E-41	8.15745E-39	0.30959	hyper	sig	chr6_10382612
chr10	1.29E+08	128568432	+	5.069E-41	8.18406E-39	-0.2912	hypo	sig	chr10_128568432
chr20	63929545	63929545	+	5.151E-41	8.31427E-39	0.248493	hyper	sig	chr20_63929545
chr18	79785028	79785028	+	5.157E-41	8.32273E-39	-0.3325	hypo	sig	chr18_79785028
chr1	76867531	76867531	+	5.167E-41	8.33655E-39	0.254147	hyper	sig	chr1_76867531
chr3	1.47E+08	147396134	+	5.168E-41	8.33655E-39	0.308941	hyper	sig	chr3_147396134
chr3	1.47E+08	147409779	+	5.235E-41	8.44386E-39	0.317954	hyper	sig	chr3_147409779
chr2	1.15E+08	115163156	+	5.311E-41	8.56505E-39	0.324335	hyper	sig	chr2_115163156
chr17	58157577	58157577	+	5.345E-41	8.61789E-39	0.376456	hyper	sig	chr17_58157577
chr21	36697065	36697065	+	5.38E-41	8.67193E-39	0.304763	hyper	sig	chr21_36697065
chr13	27928979	27928979	+	5.401E-41	8.7042E-39	0.365399	hyper	sig	chr13_27928979
chr16	85485355	85485355	+	5.417E-41	8.72759E-39	-0.33628	hypo	sig	chr16_85485355
chr15	82680943	82680943	+	5.429E-41	8.7444E-39	0.301203	hyper	sig	chr15_82680943
chr6	1.5E+08	149964690	+	5.481E-41	8.82606E-39	0.275861	hyper	sig	chr6_149964690
chr13	77918787	77918787	+	5.506E-41	8.86497E-39	0.375151	hyper	sig	chr13_77918787
chr7	54542265	54542265	+	5.518E-41	8.8818E-39	0.359856	hyper	sig	chr7_54542265
chr5	1.46E+08	146342946	+	5.587E-41	8.9917E-39	0.327817	hyper	sig	chr5_146342946
chr3	1.58E+08	158095556	+	5.625E-41	9.05042E-39	0.287615	hyper	sig	chr3_158095556
chr4	65669895	65669895	+	5.644E-41	9.07928E-39	0.263545	hyper	sig	chr4_65669895
chr17	17561822	17561822	+	5.674E-41	9.12645E-39	-0.35307	hypo	sig	chr17_17561822
chr17	1907576	1907576	+	5.697E-41	9.16077E-39	-0.3021	hypo	sig	chr17_1907576
chr1	1.81E+08	181483607	+	5.718E-41	9.19355E-39	0.270949	hyper	sig	chr1_181483607
chr1	44407933	44407933	+	5.722E-41	9.19771E-39	0.34567	hyper	sig	chr1_44407933
chr21	32586096	32586096	+	5.723E-41	9.19771E-39	-0.4897	hypo	sig	chr21_32586096
chr3	1.54E+08	154429121	+	5.741E-41	9.22507E-39	0.295789	hyper	sig	chr3_154429121
chr2	1.19E+08	118842949	+	5.806E-41	9.32747E-39	0.217234	hyper	sig	chr2_118842949
chr4	5893371	5893371	+	5.832E-41	9.36788E-39	0.345973	hyper	sig	chr4_5893371
chr10	99234111	99234111	+	5.896E-41	9.46889E-39	0.224674	hyper	sig	chr10_99234111
chr13	36154843	36154843	+	5.923E-41	9.5098E-39	0.346675	hyper	sig	chr13_36154843
chr11	1.02E+08	101583949	+	5.931E-41	9.52114E-39	0.396547	hyper	sig	chr11_101583949
chr13	78595837	78595837	+	5.937E-41	9.52837E-39	0.353696	hyper	sig	chr13_78595837
chr4	6322902	6322902	+	5.985E-41	9.6033E-39	-0.31018	hypo	sig	chr4_6322902
chr1	2.28E+08	228464774	+	6.013E-41	9.64636E-39	0.281409	hyper	sig	chr1_228464774
chr7	27108590	27108590	+	6.014E-41	9.64636E-39	0.321212	hyper	sig	chr7_27108590
chr8	1.42E+08	141760561	+	6.078E-41	9.74616E-39	-0.29778	hypo	sig	chr8_141760561
chr16	85625299	85625299	+	6.093E-41	9.76949E-39	-0.28481	hypo	sig	chr16_85625299
chr15	55588883	55588883	+	6.179E-41	9.90431E-39	0.321907	hyper	sig	chr15_55588883
chr8	22690167	22690167	+	6.237E-41	9.99558E-39	0.307894	hyper	sig	chr8_22690167
chr4	1.11E+08	110630687	+	6.251E-41	1.00163E-38	0.294638	hyper	sig	chr4_110630687
chr6	1E+08	100465169	+	6.265E-41	1.0037E-38	0.328996	hyper	sig	chr6_100465169
chr1	2.49E+08	248693276	+	6.272E-41	1.00467E-38	-0.31512	hypo	sig	chr1_248693276
chr7	54544640	54544640	+	6.302E-41	1.00914E-38	0.344175	hyper	sig	chr7_54544640
chr20	24469211	24469211	+	6.325E-41	1.01262E-38	0.387709	hyper	sig	chr20_24469211
chr2	5697347	5697347	+	6.338E-41	1.01462E-38	0.356299	hyper	sig	chr2_5697347
chr12	1.13E+08	113136471	+	6.363E-41	1.01842E-38	-0.29495	hypo	sig	chr12_113136471
chr12	4909935	4909935	+	6.378E-41	1.0206E-38	0.272045	hyper	sig	chr12_4909935

chr4	1.09E+08	109302194	+	6.395E-41	1.02304E-38	0.299441	hyper	sig	chr4_109302194
chr16	88938502	88938502	+	6.397E-41	1.02315E-38	-0.34067	hypo	sig	chr16_88938502
chr10	1.3E+08	129969868	+	6.403E-41	1.02388E-38	0.230807	hyper	sig	chr10_129969868
chr3	1.47E+08	147391639	+	6.404E-41	1.02388E-38	0.335072	hyper	sig	chr3_147391639
chr4	54101275	54101275	+	6.461E-41	1.03286E-38	0.368434	hyper	sig	chr4_54101275
chr3	1.38E+08	137770880	+	6.507E-41	1.04006E-38	0.336057	hyper	sig	chr3_137770880
chr2	2.4E+08	240451640	+	6.52E-41	1.0418E-38	-0.28308	hypo	sig	chr2_240451640
chr11	20601184	20601184	+	6.522E-41	1.04205E-38	0.287766	hyper	sig	chr11_20601184
chr19	21475207	21475207	+	6.601E-41	1.05438E-38	0.364914	hyper	sig	chr19_21475207
chr19	21463527	21463527	+	6.631E-41	1.05891E-38	0.377733	hyper	sig	chr19_21463527
chr4	1405347	1405347	+	6.65E-41	1.06178E-38	0.411965	hyper	sig	chr4_1405347
chr4	1.56E+08	155760252	+	6.668E-41	1.06453E-38	0.235479	hyper	sig	chr4_155760252
chr6	1.5E+08	149965114	+	6.691E-41	1.06791E-38	0.336567	hyper	sig	chr6_149965114
chr20	23048637	23048637	+	6.741E-41	1.07566E-38	0.271422	hyper	sig	chr20_23048637
chr15	52788304	52788304	+	6.813E-41	1.08675E-38	0.305431	hyper	sig	chr15_52788304
chr4	8273341	8273341	+	6.861E-41	1.0942E-38	-0.34493	hypo	sig	chr4_8273341
chr19	40568151	40568151	+	6.946E-41	1.10761E-38	0.225519	hyper	sig	chr19_40568151
chr21	18244864	18244864	+	6.993E-41	1.11475E-38	0.354372	hyper	sig	chr21_18244864
chr18	32139983	32139983	+	7.062E-41	1.12563E-38	-0.41568	hypo	sig	chr18_32139983
chr3	1.14E+08	114239098	+	7.133E-41	1.13664E-38	-0.37412	hypo	sig	chr3_114239098
chr10	49115150	49115150	+	7.195E-41	1.14642E-38	0.300665	hyper	sig	chr10_49115150
chr2	1.87E+08	186849200	+	7.206E-41	1.14786E-38	0.219734	hyper	sig	chr2_186849200
chr5	1.41E+08	141383114	+	7.395E-41	1.1778E-38	0.270522	hyper	sig	chr5_141383114
chr4	1.33E+08	133146835	+	7.433E-41	1.18353E-38	0.250247	hyper	sig	chr4_133146835
chr17	48621793	48621793	+	7.464E-41	1.18833E-38	-0.30694	hypo	sig	chr17_48621793
chr2	2.34E+08	233939251	+	7.518E-41	1.19659E-38	0.430707	hyper	sig	chr2_233939251
chr2	1.76E+08	176159578	+	7.616E-41	1.21202E-38	-0.27632	hypo	sig	chr2_176159578
chr12	1.03E+08	102961342	+	7.699E-41	1.22494E-38	0.323268	hyper	sig	chr12_102961342
chr17	77373511	77373511	+	7.736E-41	1.2306E-38	0.409513	hyper	sig	chr17_77373511
chr8	26051779	26051779	+	7.748E-41	1.23233E-38	0.251956	hyper	sig	chr8_26051779
chr17	45261766	45261766	+	7.775E-41	1.23629E-38	0.342806	hyper	sig	chr17_45261766
chr8	1.43E+08	143155258	+	7.869E-41	1.25102E-38	-0.25571	hypo	sig	chr8_143155258
chr2	1.19E+08	118845325	+	7.962E-41	1.26558E-38	0.316825	hyper	sig	chr2_118845325
chr16	85485186	85485186	+	7.978E-41	1.26762E-38	-0.26903	hypo	sig	chr16_85485186
chr2	1.82E+08	181684063	+	7.978E-41	1.26762E-38	0.336087	hyper	sig	chr2_181684063
chr10	93065816	93065816	+	8E-41	1.27069E-38	0.291321	hyper	sig	chr10_93065816
chr16	83935242	83935242	+	8.001E-41	1.27069E-38	-0.41323	hypo	sig	chr16_83935242
chr8	23706449	23706449	+	8.008E-41	1.27155E-38	0.288092	hyper	sig	chr8_23706449
chr5	1.41E+08	141421300	+	8.063E-41	1.28012E-38	0.313619	hyper	sig	chr5_141421300
chr4	20253723	20253723	+	8.078E-41	1.28224E-38	0.255193	hyper	sig	chr4_20253723
chr10	1.24E+08	123666109	+	8.092E-41	1.28429E-38	0.33786	hyper	sig	chr10_123666109
chr15	82680965	82680965	+	8.204E-41	1.3017E-38	0.269799	hyper	sig	chr15_82680965
chr1	1.14E+08	114154410	+	8.25E-41	1.30885E-38	0.263529	hyper	sig	chr1_114154410
chr17	48972594	48972594	+	8.262E-41	1.31038E-38	-0.23297	hypo	sig	chr17_48972594
chr16	48813031	48813031	+	8.268E-41	1.31109E-38	-0.30659	hypo	sig	chr16_48813031
chr13	1.11E+08	111422563	+	8.272E-41	1.31154E-38	-0.29513	hypo	sig	chr13_111422563
chr10	25934016	25934016	+	8.289E-41	1.31381E-38	0.302046	hyper	sig	chr10_25934016
chr8	24914965	24914965	+	8.29E-41	1.31381E-38	0.286161	hyper	sig	chr8_24914965
chr4	1.11E+08	110628763	+	8.293E-41	1.3141E-38	0.319527	hyper	sig	chr4_110628763
chr17	27293612	27293612	+	8.316E-41	1.31747E-38	-0.45094	hypo	sig	chr17_27293612
chr4	1.11E+08	110628853	+	8.323E-41	1.31835E-38	0.342383	hyper	sig	chr4_110628853
chr3	79767788	79767788	+	8.328E-41	1.31879E-38	0.315191	hyper	sig	chr3_79767788
chr5	1876281	1876281	+	8.369E-41	1.32511E-38	0.278473	hyper	sig	chr5_1876281
chr7	23247856	23247856	+	8.475E-41	1.34163E-38	0.322327	hyper	sig	chr7_23247856
chr20	16574566	16574566	+	8.515E-41	1.34758E-38	-0.3507	hypo	sig	chr20_16574566
chr11	504899	504899	+	8.589E-41	1.35908E-38	0.312125	hyper	sig	chr11_504899

chr17	42686965	42686965	+	8.592E-41	1.35928E-38	0.314452	hyper	sig	chr17_42686965
chr13	27927276	27927276	+	8.648E-41	1.36795E-38	0.386938	hyper	sig	chr13_27927276
chr10	11166006	11166006	+	8.703E-41	1.37636E-38	0.316566	hyper	sig	chr10_11166006
chr12	1.15E+08	114680962	+	8.732E-41	1.38061E-38	-0.29363	hypo	sig	chr12_114680962
chr16	51151435	51151435	+	8.744E-41	1.38228E-38	0.327511	hyper	sig	chr16_51151435
chr1	76867558	76867558	+	8.754E-41	1.38358E-38	0.260669	hyper	sig	chr1_76867558
chr21	18244859	18244859	+	8.822E-41	1.39413E-38	0.35487	hyper	sig	chr21_18244859
chr8	42499123	42499123	+	9.066E-41	1.43229E-38	0.255363	hyper	sig	chr8_42499123
chr19	15902551	15902551	+	9.07E-41	1.43273E-38	-0.32917	hypo	sig	chr19_15902551
chr19	22010536	22010536	+	9.078E-41	1.43369E-38	0.339847	hyper	sig	chr19_22010536
chr8	53877088	53877088	+	9.142E-41	1.44356E-38	0.363624	hyper	sig	chr8_53877088
chr19	4891195	4891195	+	9.154E-41	1.44508E-38	-0.29449	hypo	sig	chr19_4891195
chr17	18634744	18634744	+	9.177E-41	1.44847E-38	0.28831	hyper	sig	chr17_18634744
chr4	1.67E+08	167234008	+	9.2E-41	1.45182E-38	0.254066	hyper	sig	chr4_167234008
chr12	1.04E+08	104303622	+	9.254E-41	1.46007E-38	0.302175	hyper	sig	chr12_104303622
chr1	76867544	76867544	+	9.29E-41	1.46543E-38	0.255954	hyper	sig	chr1_76867544
chr11	86195276	86195276	+	9.343E-41	1.47356E-38	-0.32605	hypo	sig	chr11_86195276
chr11	1075734	1075734	+	9.357E-41	1.47538E-38	-0.25014	hypo	sig	chr11_1075734
chr1	1.19E+08	118992276	+	9.364E-41	1.47627E-38	0.303062	hyper	sig	chr1_118992276
chr12	43552477	43552477	+	9.424E-41	1.48537E-38	0.318247	hyper	sig	chr12_43552477
chr1	2.08E+08	207645229	+	9.461E-41	1.49068E-38	0.4218	hyper	sig	chr1_207645229
chr4	1.11E+08	110641357	+	9.461E-41	1.49068E-38	0.275961	hyper	sig	chr4_110641357
chr16	1044697	1044697	+	9.479E-41	1.49323E-38	-0.31083	hypo	sig	chr16_1044697
chr12	95548083	95548083	+	9.489E-41	1.49447E-38	0.247591	hyper	sig	chr12_95548083
chr12	95548159	95548159	+	9.57E-41	1.50697E-38	0.241077	hyper	sig	chr12_95548159
chr2	2.35E+08	235027957	+	9.632E-41	1.5164E-38	-0.34746	hypo	sig	chr2_235027957
chr22	50485523	50485523	+	9.927E-41	1.56252E-38	-0.2883	hypo	sig	chr22_50485523
chr19	36245575	36245575	+	9.932E-41	1.56311E-38	0.279197	hyper	sig	chr19_36245575
chr2	2.42E+08	241985854	+	9.956E-41	1.56659E-38	-0.35026	hypo	sig	chr2_241985854
chr13	27792684	27792684	+	1.007E-40	1.58359E-38	0.315526	hyper	sig	chr13_27792684
chr7	1.59E+08	159143966	+	1.009E-40	1.5869E-38	0.262347	hyper	sig	chr7_159143966
chr1	1.19E+08	118989433	+	1.011E-40	1.58979E-38	0.300291	hyper	sig	chr1_118989433
chr6	32221833	32221833	+	1.022E-40	1.60612E-38	-0.3542	hypo	sig	chr6_32221833
chr13	1.12E+08	112067980	+	1.025E-40	1.61202E-38	0.273856	hyper	sig	chr13_112067980
chr17	82342302	82342302	+	1.041E-40	1.63555E-38	-0.27019	hypo	sig	chr17_82342302
chr6	99609297	99609297	+	1.043E-40	1.63894E-38	0.344299	hyper	sig	chr6_99609297
chr11	1.12E+08	112499871	+	1.046E-40	1.64362E-38	-0.32671	hypo	sig	chr11_112499871
chr8	24914983	24914983	+	1.052E-40	1.65257E-38	0.306859	hyper	sig	chr8_24914983
chr4	1.11E+08	110630870	+	1.057E-40	1.65955E-38	0.268127	hyper	sig	chr4_110630870
chr4	1.33E+08	133151598	+	1.073E-40	1.68483E-38	0.353299	hyper	sig	chr4_133151598
chr9	1.35E+08	134501236	+	1.075E-40	1.68762E-38	0.273632	hyper	sig	chr9_134501236
chr1	78491180	78491180	+	1.081E-40	1.69596E-38	0.342723	hyper	sig	chr1_78491180
chr6	29553361	29553361	+	1.094E-40	1.71644E-38	0.231715	hyper	sig	chr6_29553361
chr5	88889951	88889951	+	1.1E-40	1.72641E-38	0.291659	hyper	sig	chr5_88889951
chr10	99234113	99234113	+	1.106E-40	1.73416E-38	0.227765	hyper	sig	chr10_99234113
chr2	1.87E+08	186849197	+	1.12E-40	1.75684E-38	0.25747	hyper	sig	chr2_186849197
chr16	1093664	1093664	+	1.128E-40	1.76858E-38	-0.34096	hypo	sig	chr16_1093664
chr8	23707155	23707155	+	1.128E-40	1.76872E-38	0.289405	hyper	sig	chr8_23707155
chr3	1.47E+08	147423093	+	1.13E-40	1.77108E-38	0.280894	hyper	sig	chr3_147423093
chr16	56190922	56190922	+	1.131E-40	1.77215E-38	0.251051	hyper	sig	chr16_56190922
chr18	47248555	47248555	+	1.137E-40	1.78146E-38	0.288804	hyper	sig	chr18_47248555
chr3	55482215	55482215	+	1.137E-40	1.78181E-38	0.265817	hyper	sig	chr3_55482215
chr1	1.81E+08	181483691	+	1.147E-40	1.79674E-38	0.285714	hyper	sig	chr1_181483691
chr8	1.42E+08	142450709	+	1.147E-40	1.79674E-38	0.278245	hyper	sig	chr8_142450709
chr1	3068026	3068026	+	1.149E-40	1.79902E-38	0.262024	hyper	sig	chr1_3068026
chr6	436629	436629	+	1.168E-40	1.82877E-38	-0.29894	hypo	sig	chr6_436629

chr7	90118724	90118724	+	1.175E-40	1.8381E-38	0.228081	hyper	sig	chr7_90118724
chr3	10816704	10816704	+	1.177E-40	1.84097E-38	0.291257	hyper	sig	chr3_10816704
chr11	1075819	1075819	+	1.182E-40	1.84848E-38	-0.36481	hypo	sig	chr11_1075819
chr7	63790652	63790652	+	1.182E-40	1.84848E-38	0.366446	hyper	sig	chr7_63790652
chr2	1.13E+08	113275822	+	1.188E-40	1.85714E-38	0.30487	hyper	sig	chr2_113275822
chr1	1.08E+08	107964776	+	1.193E-40	1.86465E-38	0.250218	hyper	sig	chr1_107964776
chr4	1.72E+08	171813674	+	1.193E-40	1.86483E-38	0.371857	hyper	sig	chr4_171813674
chr19	37551570	37551570	+	1.2E-40	1.87574E-38	0.309422	hyper	sig	chr19_37551570
chr3	1.27E+08	126540525	+	1.208E-40	1.88686E-38	-0.33892	hypo	sig	chr3_126540525
chr13	1.14E+08	113648186	+	1.212E-40	1.89361E-38	-0.29	hypo	sig	chr13_113648186
chr3	1.8E+08	180037416	+	1.214E-40	1.89571E-38	0.46015	hyper	sig	chr3_180037416
chr4	304954	304954	+	1.218E-40	1.9019E-38	0.305405	hyper	sig	chr4_304954
chr18	79785192	79785192	+	1.219E-40	1.90332E-38	-0.30351	hypo	sig	chr18_79785192
chr18	32139955	32139955	+	1.222E-40	1.90792E-38	-0.4603	hypo	sig	chr18_32139955
chr5	1876289	1876289	+	1.224E-40	1.91028E-38	0.288466	hyper	sig	chr5_1876289
chr12	95549167	95549167	+	1.227E-40	1.91509E-38	0.235908	hyper	sig	chr12_95549167
chr10	1.3E+08	129969775	+	1.237E-40	1.93016E-38	0.227214	hyper	sig	chr10_129969775
chr8	54466467	54466467	+	1.244E-40	1.9398E-38	0.41436	hyper	sig	chr8_54466467
chr16	88066101	88066101	+	1.249E-40	1.94634E-38	0.313855	hyper	sig	chr16_88066101
chr16	67161914	67161914	+	1.26E-40	1.9637E-38	-0.35288	hypo	sig	chr16_67161914
chr19	36245573	36245573	+	1.264E-40	1.96893E-38	0.291389	hyper	sig	chr19_36245573
chr7	93890957	93890957	+	1.264E-40	1.96933E-38	0.306305	hyper	sig	chr7_93890957
chr8	54466672	54466672	+	1.266E-40	1.97233E-38	0.270422	hyper	sig	chr8_54466672
chr6	29792722	29792722	+	1.269E-40	1.97564E-38	0.301601	hyper	sig	chr6_29792722
chr1	1.62E+08	161621685	+	1.278E-40	1.98905E-38	0.238121	hyper	sig	chr1_161621685
chr15	64894206	64894206	+	1.282E-40	1.99567E-38	0.326194	hyper	sig	chr15_64894206
chr15	83206907	83206907	+	1.282E-40	1.99576E-38	0.232704	hyper	sig	chr15_83206907
chr11	1.29E+08	128824339	+	1.29E-40	2.00696E-38	0.285038	hyper	sig	chr11_128824339
chr13	1.02E+08	101917535	+	1.299E-40	2.02086E-38	0.233435	hyper	sig	chr13_101917535
chr7	27102491	27102491	+	1.299E-40	2.02092E-38	0.381607	hyper	sig	chr7_27102491
chr2	1.39E+08	138780171	+	1.3E-40	2.02235E-38	0.289377	hyper	sig	chr2_138780171
chr5	1.71E+08	171308318	+	1.314E-40	2.04306E-38	0.257179	hyper	sig	chr5_171308318
chr2	1.64E+08	163736045	+	1.315E-40	2.04375E-38	0.310226	hyper	sig	chr2_163736045
chr13	93228623	93228623	+	1.317E-40	2.0461E-38	0.250301	hyper	sig	chr13_93228623
chr5	37837375	37837375	+	1.317E-40	2.04713E-38	0.301677	hyper	sig	chr5_37837375
chr16	1129514	1129514	+	1.32E-40	2.05096E-38	-0.30923	hypo	sig	chr16_1129514
chr3	1.47E+08	147410370	+	1.352E-40	2.10004E-38	0.306853	hyper	sig	chr3_147410370
chr2	2.37E+08	236568204	+	1.355E-40	2.10458E-38	0.24596	hyper	sig	chr2_236568204
chr19	21463837	21463837	+	1.356E-40	2.10614E-38	0.391812	hyper	sig	chr19_21463837
chr4	1.55E+08	154742541	+	1.358E-40	2.10759E-38	0.304392	hyper	sig	chr4_154742541
chr7	35186169	35186169	+	1.36E-40	2.11027E-38	0.215653	hyper	sig	chr7_35186169
chr16	85485546	85485546	+	1.37E-40	2.1257E-38	-0.25748	hypo	sig	chr16_85485546
chr20	64053171	64053171	+	1.37E-40	2.1262E-38	-0.35716	hypo	sig	chr20_64053171
chr8	49910988	49910988	+	1.391E-40	2.15742E-38	0.294334	hyper	sig	chr8_49910988
chr4	41747372	41747372	+	1.393E-40	2.15989E-38	0.379571	hyper	sig	chr4_41747372
chr19	48640136	48640136	+	1.394E-40	2.16146E-38	-0.40455	hypo	sig	chr19_48640136
chr16	85485145	85485145	+	1.396E-40	2.16389E-38	-0.31033	hypo	sig	chr16_85485145
chr13	25171795	25171795	+	1.398E-40	2.16639E-38	0.340318	hyper	sig	chr13_25171795
chr10	1.32E+08	131559107	+	1.401E-40	2.17011E-38	0.321264	hyper	sig	chr10_131559107
chr6	1.61E+08	160767518	+	1.401E-40	2.17011E-38	0.226567	hyper	sig	chr6_160767518
chr1	24321737	24321737	+	1.404E-40	2.1745E-38	-0.23849	hypo	sig	chr1_24321737
chr5	1.16E+08	115816601	+	1.405E-40	2.17588E-38	0.355853	hyper	sig	chr5_115816601
chr2	2.39E+08	239098350	+	1.408E-40	2.17974E-38	-0.29062	hypo	sig	chr2_239098350
chr16	87407800	87407800	+	1.41E-40	2.18272E-38	-0.35614	hypo	sig	chr16_87407800
chr8	11703989	11703989	+	1.411E-40	2.18348E-38	0.222939	hyper	sig	chr8_11703989
chr4	3340998	3340998	+	1.438E-40	2.22569E-38	-0.314	hypo	sig	chr4_3340998

chr1	18632430	18632430	+	1.443E-40	2.23335E-38	0.358462	hyper	sig	chr1_18632430
chr2	1.19E+08	118842943	+	1.458E-40	2.25565E-38	0.238774	hyper	sig	chr2_118842943
chr16	3305450	3305450	+	1.467E-40	2.2687E-38	0.216147	hyper	sig	chr16_3305450
chr10	55628529	55628529	+	1.479E-40	2.28742E-38	0.266056	hyper	sig	chr10_55628529
chr4	962819	962819	+	1.491E-40	2.30541E-38	-0.2868	hypo	sig	chr4_962819
chr20	24470112	24470112	+	1.506E-40	2.32774E-38	0.370744	hyper	sig	chr20_24470112
chr8	42499188	42499188	+	1.514E-40	2.33948E-38	0.279973	hyper	sig	chr8_42499188
chr7	27124310	27124310	+	1.54E-40	2.3786E-38	0.271491	hyper	sig	chr7_27124310
chr11	44311574	44311574	+	1.545E-40	2.3871E-38	0.272587	hyper	sig	chr11_44311574
chr13	21668909	21668909	+	1.555E-40	2.40119E-38	0.392113	hyper	sig	chr13_21668909
chr20	21517641	21517641	+	1.562E-40	2.41139E-38	0.345002	hyper	sig	chr20_21517641
chr10	80535641	80535641	+	1.565E-40	2.41634E-38	-0.30969	hypo	sig	chr10_80535641
chr5	1883462	1883462	+	1.565E-40	2.41634E-38	0.212088	hyper	sig	chr5_1883462
chr6	1E+08	100465154	+	1.572E-40	2.42558E-38	0.282393	hyper	sig	chr6_100465154
chr13	78607943	78607943	+	1.596E-40	2.46234E-38	0.364907	hyper	sig	chr13_78607943
chr6	1.5E+08	149965076	+	1.596E-40	2.46234E-38	0.285385	hyper	sig	chr6_149965076
chr1	20473480	20473480	+	1.598E-40	2.46461E-38	0.31016	hyper	sig	chr1_20473480
chr13	52848941	52848941	+	1.6E-40	2.46778E-38	0.393114	hyper	sig	chr13_52848941
chr1	1942060	1942060	+	1.603E-40	2.47164E-38	-0.32228	hypo	sig	chr1_1942060
chr2	63055661	63055661	+	1.61E-40	2.48217E-38	0.236042	hyper	sig	chr2_63055661
chr19	17282086	17282086	+	1.62E-40	2.49705E-38	0.21188	hyper	sig	chr19_17282086
chr4	1.74E+08	173530102	+	1.63E-40	2.51096E-38	0.213968	hyper	sig	chr4_173530102
chr5	1.6E+08	160280579	+	1.637E-40	2.52114E-38	-0.35972	hypo	sig	chr5_160280579
chr7	97002409	97002409	+	1.637E-40	2.52114E-38	0.279953	hyper	sig	chr7_97002409
chr1	1.62E+08	161621687	+	1.638E-40	2.52182E-38	0.245123	hyper	sig	chr1_161621687
chr4	1.47E+08	146638976	+	1.654E-40	2.54657E-38	0.339996	hyper	sig	chr4_146638976
chr7	19117579	19117579	+	1.663E-40	2.55981E-38	0.213908	hyper	sig	chr7_19117579
chr16	51153827	51153827	+	1.666E-40	2.56418E-38	0.329006	hyper	sig	chr16_51153827
chr11	1113859	1113859	+	1.667E-40	2.56482E-38	-0.32717	hypo	sig	chr11_1113859
chr9	98707699	98707699	+	1.667E-40	2.56482E-38	0.243691	hyper	sig	chr9_98707699
chr17	16379147	16379147	+	1.68E-40	2.58455E-38	-0.30842	hypo	sig	chr17_16379147
chr5	88889956	88889956	+	1.682E-40	2.5876E-38	0.295959	hyper	sig	chr5_88889956
chr7	1.37E+08	136869108	+	1.687E-40	2.59442E-38	0.379946	hyper	sig	chr7_136869108
chr5	55223064	55223064	+	1.691E-40	2.59974E-38	0.307541	hyper	sig	chr5_55223064
chr3	1.33E+08	133400096	+	1.695E-40	2.60469E-38	-0.28402	hypo	sig	chr3_133400096
chr4	30723252	30723252	+	1.697E-40	2.60735E-38	0.288724	hyper	sig	chr4_30723252
chr15	83283943	83283943	+	1.703E-40	2.61604E-38	0.40597	hyper	sig	chr15_83283943
chr2	5692952	5692952	+	1.707E-40	2.6229E-38	0.320562	hyper	sig	chr2_5692952
chr16	67163669	67163669	+	1.72E-40	2.64257E-38	0.367237	hyper	sig	chr16_67163669
chr9	1.37E+08	137031471	+	1.735E-40	2.66364E-38	-0.30932	hypo	sig	chr9_137031471
chr7	8443619	8443619	+	1.737E-40	2.66658E-38	0.408903	hyper	sig	chr7_8443619
chr1	6466056	6466056	+	1.74E-40	2.67174E-38	0.29611	hyper	sig	chr1_6466056
chr15	47184850	47184850	+	1.755E-40	2.69293E-38	0.256257	hyper	sig	chr15_47184850
chr20	21514002	21514002	+	1.759E-40	2.69914E-38	0.213391	hyper	sig	chr20_21514002
chr16	1044694	1044694	+	1.76E-40	2.69976E-38	-0.31118	hypo	sig	chr16_1044694
chr10	1.01E+08	101134289	+	1.767E-40	2.71039E-38	0.285374	hyper	sig	chr10_101134289
chr3	1.47E+08	147407995	+	1.781E-40	2.73132E-38	0.306811	hyper	sig	chr3_147407995
chr16	71426368	71426368	+	1.787E-40	2.73976E-38	0.223137	hyper	sig	chr16_71426368
chr8	53877135	53877135	+	1.791E-40	2.74548E-38	0.386294	hyper	sig	chr8_53877135
chr2	1.28E+08	128425823	+	1.804E-40	2.7644E-38	-0.35516	hypo	sig	chr2_128425823
chr14	1.01E+08	100691578	+	1.807E-40	2.7695E-38	-0.31417	hypo	sig	chr14_100691578
chr8	26048207	26048207	+	1.809E-40	2.77191E-38	0.335088	hyper	sig	chr8_26048207
chr10	1.01E+08	101218302	+	1.811E-40	2.77472E-38	0.295885	hyper	sig	chr10_101218302
chr2	1.19E+08	118845539	+	1.819E-40	2.78584E-38	0.312272	hyper	sig	chr2_118845539
chr16	89114474	89114474	+	1.827E-40	2.79816E-38	0.313919	hyper	sig	chr16_89114474
chr10	7412599	7412599	+	1.831E-40	2.80357E-38	0.335073	hyper	sig	chr10_7412599

chr11	1.09E+08	109423431	+	1.842E-40	2.81912E-38	0.27658	hyper	sig	chr11_109423431
chr7	45922195	45922195	+	1.857E-40	2.84215E-38	0.274219	hyper	sig	chr7_45922195
chr7	97007304	97007304	+	1.875E-40	2.86923E-38	0.277201	hyper	sig	chr7_97007304
chr15	99118123	99118123	+	1.877E-40	2.87149E-38	0.389373	hyper	sig	chr15_99118123
chr8	52939901	52939901	+	1.877E-40	2.87149E-38	0.386582	hyper	sig	chr8_52939901
chr2	1.82E+08	181684440	+	1.938E-40	2.96313E-38	0.4068	hyper	sig	chr2_181684440
chr12	1.32E+08	132261004	+	1.957E-40	2.9925E-38	-0.33436	hypo	sig	chr12_132261004
chr1	6071914	6071914	+	1.965E-40	3.0035E-38	-0.24655	hypo	sig	chr1_6071914
chr10	1.3E+08	129969682	+	1.972E-40	3.01354E-38	0.265964	hyper	sig	chr10_129969682
chr16	88938524	88938524	+	1.981E-40	3.02769E-38	-0.33377	hypo	sig	chr16_88938524
chr6	10882859	10882859	+	2.003E-40	3.06094E-38	0.308336	hyper	sig	chr6_10882859
chr7	1.5E+08	150220213	+	2.043E-40	3.12026E-38	0.400605	hyper	sig	chr7_150220213
chr17	65553215	65553215	+	2.074E-40	3.16778E-38	-0.34255	hypo	sig	chr17_65553215
chr7	19107611	19107611	+	2.075E-40	3.16778E-38	0.222601	hyper	sig	chr7_19107611
chr4	11427907	11427907	+	2.079E-40	3.17408E-38	0.338994	hyper	sig	chr4_11427907
chr3	1.88E+08	187670369	+	2.099E-40	3.20448E-38	0.296078	hyper	sig	chr3_187670369
chr17	34580667	34580667	+	2.123E-40	3.23962E-38	0.269897	hyper	sig	chr17_34580667
chr16	3183101	3183101	+	2.125E-40	3.24209E-38	0.269161	hyper	sig	chr16_3183101
chr8	24914993	24914993	+	2.156E-40	3.28962E-38	0.312259	hyper	sig	chr8_24914993
chr2	2.22E+08	222297327	+	2.175E-40	3.31809E-38	0.305871	hyper	sig	chr2_222297327
chr1	1.08E+08	107965895	+	2.176E-40	3.31837E-38	0.306503	hyper	sig	chr1_107965895
chr16	88374928	88374928	+	2.178E-40	3.32152E-38	-0.26222	hypo	sig	chr16_88374928
chr12	1.32E+08	132261047	+	2.201E-40	3.35529E-38	-0.3177	hypo	sig	chr12_132261047
chr17	34157012	34157012	+	2.21E-40	3.36897E-38	0.281373	hyper	sig	chr17_34157012
chr12	28759412	28759412	+	2.214E-40	3.37394E-38	-0.3491	hypo	sig	chr12_28759412
chr5	1973703	1973703	+	2.225E-40	3.38965E-38	-0.26636	hypo	sig	chr5_1973703
chr17	65538418	65538418	+	2.256E-40	3.43673E-38	-0.39524	hypo	sig	chr17_65538418
chr16	85947730	85947730	+	2.275E-40	3.46505E-38	-0.33997	hypo	sig	chr16_85947730
chr2	74415745	74415745	+	2.284E-40	3.47711E-38	0.291606	hyper	sig	chr2_74415745
chr5	1.14E+08	114055974	+	2.285E-40	3.47879E-38	0.307434	hyper	sig	chr5_114055974
chr8	1.43E+08	142741133	+	2.286E-40	3.47973E-38	-0.28792	hypo	sig	chr8_142741133
chr5	3590775	3590775	+	2.291E-40	3.4865E-38	0.33673	hyper	sig	chr5_3590775
chr2	1.13E+08	113276039	+	2.292E-40	3.48672E-38	0.328704	hyper	sig	chr2_113276039
chr20	23048655	23048655	+	2.292E-40	3.48737E-38	0.281207	hyper	sig	chr20_23048655
chr12	47085994	47085994	+	2.307E-40	3.50961E-38	-0.31756	hypo	sig	chr12_47085994
chr10	23191119	23191119	+	2.317E-40	3.52306E-38	0.318602	hyper	sig	chr10_23191119
chr1	1.81E+08	181483623	+	2.32E-40	3.52794E-38	0.28017	hyper	sig	chr1_181483623
chr22	23580364	23580364	+	2.327E-40	3.53773E-38	-0.28702	hypo	sig	chr22_23580364
chr2	1743081	1743081	+	2.361E-40	3.58887E-38	0.255698	hyper	sig	chr2_1743081
chr19	57351292	57351292	+	2.366E-40	3.5957E-38	0.251285	hyper	sig	chr19_57351292
chr7	35185779	35185779	+	2.369E-40	3.59846E-38	0.230723	hyper	sig	chr7_35185779
chr10	27746723	27746723	+	2.37E-40	3.6005E-38	0.291713	hyper	sig	chr10_27746723
chr13	26760119	26760119	+	2.372E-40	3.60165E-38	0.239107	hyper	sig	chr13_26760119
chr12	85279569	85279569	+	2.373E-40	3.60312E-38	0.298857	hyper	sig	chr12_85279569
chr16	10183403	10183403	+	2.422E-40	3.67686E-38	0.249721	hyper	sig	chr16_10183403
chr17	35488459	35488459	+	2.467E-40	3.74459E-38	0.322155	hyper	sig	chr17_35488459
chr10	1.33E+08	132508838	+	2.488E-40	3.77502E-38	-0.28016	hypo	sig	chr10_132508838
chr4	1.58E+08	158171401	+	2.49E-40	3.77753E-38	0.317351	hyper	sig	chr4_158171401
chr2	50347415	50347415	+	2.494E-40	3.78319E-38	0.317708	hyper	sig	chr2_50347415
chr2	1.3E+08	129979924	+	2.496E-40	3.78549E-38	0.254164	hyper	sig	chr2_129979924
chr2	2.33E+08	233060565	+	2.5E-40	3.79131E-38	-0.31608	hypo	sig	chr2_233060565
chr13	1.12E+08	111953532	+	2.546E-40	3.86067E-38	-0.27953	hypo	sig	chr13_111953532
chr9	62800236	62800236	+	2.557E-40	3.87618E-38	0.288358	hyper	sig	chr9_62800236
chr15	28832464	28832464	+	2.586E-40	3.91965E-38	0.31619	hyper	sig	chr15_28832464
chr3	1.47E+08	147388821	+	2.589E-40	3.92299E-38	0.266733	hyper	sig	chr3_147388821
chr12	54047492	54047492	+	2.595E-40	3.9319E-38	0.427755	hyper	sig	chr12_54047492

chr12	24903085	24903085	+	2.598E-40	3.93541E-38	0.313461	hyper	sig	chr12_24903085
chr13	1.12E+08	112132425	+	2.622E-40	3.97122E-38	-0.31144	hypo	sig	chr13_112132425
chr19	46413333	46413333	+	2.628E-40	3.97908E-38	0.292428	hyper	sig	chr19_46413333
chr6	1.09E+08	109294376	+	2.632E-40	3.98501E-38	-0.36853	hypo	sig	chr6_109294376
chr20	63845170	63845170	+	2.652E-40	4.0145E-38	-0.27985	hypo	sig	chr20_63845170
chr12	78864647	78864647	+	2.666E-40	4.03432E-38	0.252517	hyper	sig	chr12_78864647
chr2	2.39E+08	239083203	+	2.668E-40	4.03624E-38	0.286835	hyper	sig	chr2_239083203
chr13	50132527	50132527	+	2.686E-40	4.06391E-38	0.301821	hyper	sig	chr13_50132527
chr4	30723174	30723174	+	2.694E-40	4.07414E-38	0.342218	hyper	sig	chr4_30723174
chr20	37522736	37522736	+	2.704E-40	4.0883E-38	-0.22965	hypo	sig	chr20_37522736
chr19	52369886	52369886	+	2.707E-40	4.09293E-38	0.265642	hyper	sig	chr19_52369886
chr1	2911197	2911197	+	2.744E-40	4.14676E-38	-0.28801	hypo	sig	chr1_2911197
chr3	44022128	44022128	+	2.757E-40	4.16666E-38	0.280504	hyper	sig	chr3_44022128
chr16	77788522	77788522	+	2.766E-40	4.17838E-38	0.226773	hyper	sig	chr16_77788522
chr8	71842927	71842927	+	2.77E-40	4.18376E-38	0.251493	hyper	sig	chr8_71842927
chr16	56190870	56190870	+	2.777E-40	4.19368E-38	0.254227	hyper	sig	chr16_56190870
chr4	4858054	4858054	+	2.796E-40	4.22156E-38	0.325366	hyper	sig	chr4_4858054
chr13	93227388	93227388	+	2.806E-40	4.23616E-38	0.331427	hyper	sig	chr13_93227388
chr3	1.47E+08	147397277	+	2.814E-40	4.24718E-38	0.28918	hyper	sig	chr3_147397277
chr6	1.68E+08	167678160	+	2.815E-40	4.24821E-38	0.356542	hyper	sig	chr6_167678160
chr3	13637759	13637759	+	2.868E-40	4.32794E-38	-0.29922	hypo	sig	chr3_13637759
chr13	1.11E+08	111422512	+	2.876E-40	4.33867E-38	-0.29374	hypo	sig	chr13_111422512
chr13	1.12E+08	112067469	+	2.899E-40	4.37192E-38	0.299859	hyper	sig	chr13_112067469
chr7	1.43E+08	142796723	+	2.899E-40	4.37192E-38	0.322904	hyper	sig	chr7_142796723
chr16	88116745	88116745	+	2.936E-40	4.42674E-38	-0.27495	hypo	sig	chr16_88116745
chr19	48640147	48640147	+	2.941E-40	4.43323E-38	-0.39529	hypo	sig	chr19_48640147
chr16	85947775	85947775	+	2.98E-40	4.49166E-38	-0.39958	hypo	sig	chr16_85947775
chr4	1.11E+08	110633306	+	3.025E-40	4.55892E-38	0.323663	hyper	sig	chr4_110633306
chr13	25171808	25171808	+	3.031E-40	4.56593E-38	0.325657	hyper	sig	chr13_25171808
chr17	77834813	77834813	+	3.035E-40	4.57111E-38	-0.30296	hypo	sig	chr17_77834813
chr4	20253512	20253512	+	3.057E-40	4.60461E-38	0.337873	hyper	sig	chr4_20253512
chr17	78498975	78498975	+	3.073E-40	4.62695E-38	-0.34045	hypo	sig	chr17_78498975
chr12	84912562	84912562	+	3.081E-40	4.63854E-38	0.322606	hyper	sig	chr12_84912562
chr17	81158283	81158283	+	3.083E-40	4.64112E-38	-0.24509	hypo	sig	chr17_81158283
chr4	95548962	95548962	+	3.085E-40	4.64221E-38	0.459091	hyper	sig	chr4_95548962
chr21	26967158	26967158	+	3.117E-40	4.68924E-38	0.321689	hyper	sig	chr21_26967158
chr4	1.11E+08	110618374	+	3.12E-40	4.69354E-38	0.243689	hyper	sig	chr4_110618374
chr8	23706447	23706447	+	3.126E-40	4.70098E-38	0.280555	hyper	sig	chr8_23706447
chr6	1.37E+08	137494562	+	3.142E-40	4.72439E-38	0.273307	hyper	sig	chr6_137494562
chr5	1883479	1883479	+	3.176E-40	4.77476E-38	0.260188	hyper	sig	chr5_1883479
chr2	74499873	74499873	+	3.187E-40	4.79038E-38	0.266328	hyper	sig	chr2_74499873
chr8	1.16E+08	115667538	+	3.208E-40	4.82111E-38	0.300102	hyper	sig	chr8_115667538
chr16	86516099	86516099	+	3.21E-40	4.8235E-38	0.322911	hyper	sig	chr16_86516099
chr6	1.5E+08	149964498	+	3.219E-40	4.83601E-38	0.207798	hyper	sig	chr6_149964498
chr12	72273601	72273601	+	3.225E-40	4.84283E-38	0.281344	hyper	sig	chr12_72273601
chr6	27680664	27680664	+	3.248E-40	4.87772E-38	0.342278	hyper	sig	chr6_27680664
chr13	35478964	35478964	+	3.249E-40	4.87772E-38	0.284242	hyper	sig	chr13_35478964
chr4	1.11E+08	110628862	+	3.262E-40	4.89569E-38	0.334446	hyper	sig	chr4_110628862
chr6	1.61E+08	160767536	+	3.28E-40	4.92235E-38	0.212022	hyper	sig	chr6_160767536
chr12	1.13E+08	113479631	+	3.294E-40	4.94304E-38	0.304144	hyper	sig	chr12_113479631
chr5	1.47E+08	147480222	+	3.316E-40	4.97389E-38	-0.40405	hypo	sig	chr5_147480222
chr13	57629853	57629853	+	3.361E-40	5.04012E-38	0.345448	hyper	sig	chr13_57629853
chr2	45004729	45004729	+	3.381E-40	5.06923E-38	0.231126	hyper	sig	chr2_45004729
chr16	85624670	85624670	+	3.421E-40	5.1286E-38	-0.23798	hypo	sig	chr16_85624670
chr6	33976158	33976158	+	3.446E-40	5.1652E-38	0.524302	hyper	sig	chr6_33976158
chr10	1.32E+08	132226774	+	3.448E-40	5.16622E-38	-0.2355	hypo	sig	chr10_132226774

chr18	10588983	10588983	+	3.448E-40	5.16622E-38	-0.37222	hypo	sig	chr18_10588983
chr12	29783553	29783553	+	3.466E-40	5.19222E-38	0.264978	hyper	sig	chr12_29783553
chr17	64779884	64779884	+	3.485E-40	5.21931E-38	0.37651	hyper	sig	chr17_64779884
chr14	1.04E+08	104159112	+	3.504E-40	5.24662E-38	-0.30106	hypo	sig	chr14_104159112
chr11	1.29E+08	128824326	+	3.543E-40	5.30422E-38	0.282473	hyper	sig	chr11_128824326
chr5	1.41E+08	141478347	+	3.558E-40	5.32548E-38	0.306727	hyper	sig	chr5_141478347
chr12	84912588	84912588	+	3.569E-40	5.34081E-38	0.364335	hyper	sig	chr12_84912588
chr10	49115193	49115193	+	3.574E-40	5.34821E-38	0.274194	hyper	sig	chr10_49115193
chr12	78865033	78865033	+	3.612E-40	5.40372E-38	0.327944	hyper	sig	chr12_78865033
chr1	2.47E+08	246788960	+	3.64E-40	5.44445E-38	0.323321	hyper	sig	chr1_246788960
chr2	1.19E+08	118854764	+	3.647E-40	5.45302E-38	0.235961	hyper	sig	chr2_118854764
chr1	75133973	75133973	+	3.662E-40	5.47392E-38	0.269693	hyper	sig	chr1_75133973
chr14	41609989	41609989	+	3.677E-40	5.49624E-38	0.258644	hyper	sig	chr14_41609989
chr3	1.8E+08	180037434	+	3.695E-40	5.52171E-38	0.467407	hyper	sig	chr3_180037434
chr6	10422414	10422414	+	3.697E-40	5.52345E-38	0.293159	hyper	sig	chr6_10422414
chr1	3743080	3743080	+	3.714E-40	5.54867E-38	-0.28284	hypo	sig	chr1_3743080
chr4	212709	212709	+	3.729E-40	5.56946E-38	0.260207	hyper	sig	chr4_212709
chr19	33623303	33623303	+	3.749E-40	5.59755E-38	0.2796	hyper	sig	chr19_33623303
chr13	1.1E+08	109781289	+	3.806E-40	5.68279E-38	-0.3076	hypo	sig	chr13_109781289
chr16	1060884	1060884	+	3.808E-40	5.68432E-38	-0.31409	hypo	sig	chr16_1060884
chr15	33310825	33310825	+	3.812E-40	5.68973E-38	0.356446	hyper	sig	chr15_33310825
chr16	83935262	83935262	+	3.815E-40	5.69194E-38	-0.36554	hypo	sig	chr16_83935262
chr19	56507653	56507653	+	3.824E-40	5.70457E-38	0.387963	hyper	sig	chr19_56507653
chr18	904877	904877	+	3.828E-40	5.70951E-38	0.332526	hyper	sig	chr18_904877
chr13	27926812	27926812	+	3.858E-40	5.75397E-38	0.365242	hyper	sig	chr13_27926812
chr15	82681112	82681112	+	3.86E-40	5.75586E-38	0.379467	hyper	sig	chr15_82681112
chr8	9905206	9905206	+	3.874E-40	5.7757E-38	0.256468	hyper	sig	chr8_9905206
chr20	671619	671619	+	3.879E-40	5.78203E-38	-0.34948	hypo	sig	chr20_671619
chr2	1.45E+08	144517390	+	3.899E-40	5.80994E-38	0.204329	hyper	sig	chr2_144517390
chr12	1.14E+08	113669972	+	3.9E-40	5.81013E-38	0.299837	hyper	sig	chr12_113669972
chr7	97007884	97007884	+	3.908E-40	5.82072E-38	0.290911	hyper	sig	chr7_97007884
chr13	52848922	52848922	+	3.919E-40	5.83597E-38	0.386099	hyper	sig	chr13_52848922
chr12	78865047	78865047	+	3.935E-40	5.85865E-38	0.317992	hyper	sig	chr12_78865047
chr13	52848305	52848305	+	4.032E-40	6.00096E-38	0.261394	hyper	sig	chr13_52848305
chr7	1.43E+08	142796901	+	4.049E-40	6.02529E-38	0.237438	hyper	sig	chr7_142796901
chr21	33071950	33071950	+	4.057E-40	6.03663E-38	0.234626	hyper	sig	chr21_33071950
chr10	79242687	79242687	+	4.063E-40	6.04386E-38	0.418786	hyper	sig	chr10_79242687
chr7	1.59E+08	159112604	+	4.076E-40	6.06138E-38	0.346213	hyper	sig	chr7_159112604
chr1	2.08E+08	207645226	+	4.082E-40	6.06996E-38	0.40609	hyper	sig	chr1_207645226
chr2	2.37E+08	236568220	+	4.108E-40	6.10708E-38	0.257698	hyper	sig	chr2_236568220
chr13	25171630	25171630	+	4.111E-40	6.11078E-38	0.28948	hyper	sig	chr13_25171630
chr8	24914995	24914995	+	4.148E-40	6.16513E-38	0.314522	hyper	sig	chr8_24914995
chr2	951449	951449	+	4.163E-40	6.18575E-38	0.300737	hyper	sig	chr2_951449
chr16	51113613	51113613	+	4.217E-40	6.26541E-38	0.272245	hyper	sig	chr16_51113613
chr3	1.47E+08	147409919	+	4.238E-40	6.29499E-38	0.312189	hyper	sig	chr3_147409919
chr19	55118646	55118646	+	4.27E-40	6.34124E-38	0.280794	hyper	sig	chr19_55118646
chr8	84184971	84184971	+	4.274E-40	6.34625E-38	0.307589	hyper	sig	chr8_84184971
chr8	26051914	26051914	+	4.283E-40	6.35819E-38	0.29995	hyper	sig	chr8_26051914
chr4	13528676	13528676	+	4.311E-40	6.39911E-38	0.290777	hyper	sig	chr4_13528676
chr15	67826220	67826220	+	4.344E-40	6.44705E-38	0.289967	hyper	sig	chr15_67826220
chr5	37837363	37837363	+	4.347E-40	6.44961E-38	0.316598	hyper	sig	chr5_37837363
chr11	92225219	92225219	+	4.376E-40	6.49183E-38	0.373358	hyper	sig	chr11_92225219
chr3	1.85E+08	184583447	+	4.41E-40	6.54132E-38	0.323798	hyper	sig	chr3_184583447
chr4	4858081	4858081	+	4.451E-40	6.60023E-38	0.31218	hyper	sig	chr4_4858081
chr15	74434227	74434227	+	4.462E-40	6.61599E-38	0.310534	hyper	sig	chr15_74434227
chr19	36331656	36331656	+	4.47E-40	6.62682E-38	0.265701	hyper	sig	chr19_36331656

chr14	1.04E+08	104357683	+	4.522E-40	6.70153E-38	-0.32515	hypo	sig	chr14_104357683
chr5	63959431	63959431	+	4.524E-40	6.7036E-38	0.334513	hyper	sig	chr5_63959431
chr16	88416306	88416306	+	4.534E-40	6.71708E-38	-0.35124	hypo	sig	chr16_88416306
chr16	89817729	89817729	+	4.535E-40	6.71708E-38	-0.29911	hypo	sig	chr16_89817729
chr11	43581375	43581375	+	4.564E-40	6.75921E-38	0.292072	hyper	sig	chr11_43581375
chr1	47434648	47434648	+	4.617E-40	6.8352E-38	0.262306	hyper	sig	chr1_47434648
chr4	785674	785674	+	4.617E-40	6.8352E-38	0.359224	hyper	sig	chr4_785674
chr3	1.3E+08	129975333	+	4.648E-40	6.87948E-38	0.378558	hyper	sig	chr3_129975333
chr11	94769459	94769459	+	4.651E-40	6.88278E-38	0.250152	hyper	sig	chr11_94769459
chr10	11165510	11165510	+	4.699E-40	6.95122E-38	0.295993	hyper	sig	chr10_11165510
chr13	26760139	26760139	+	4.7E-40	6.95122E-38	0.247591	hyper	sig	chr13_26760139
chr8	56446145	56446145	+	4.698E-40	6.95122E-38	0.397479	hyper	sig	chr8_56446145
chr16	89202489	89202489	+	4.702E-40	6.95331E-38	0.28374	hyper	sig	chr16_89202489
chr1	2.08E+08	207645245	+	4.704E-40	6.95454E-38	0.419027	hyper	sig	chr1_207645245
chr6	99609300	99609300	+	4.705E-40	6.95486E-38	0.345601	hyper	sig	chr6_99609300
chr7	27124283	27124283	+	4.774E-40	7.05564E-38	0.282637	hyper	sig	chr7_27124283
chr4	1.25E+08	125316172	+	4.777E-40	7.0587E-38	0.306573	hyper	sig	chr4_125316172
chr4	1.47E+08	146640706	+	4.79E-40	7.0769E-38	0.304694	hyper	sig	chr4_146640706
chr4	21304323	21304323	+	4.794E-40	7.0823E-38	0.291529	hyper	sig	chr4_21304323
chr10	1.33E+08	132921057	+	4.797E-40	7.08555E-38	-0.29809	hypo	sig	chr10_132921057
chr15	77897415	77897415	+	4.824E-40	7.12361E-38	-0.26775	hypo	sig	chr15_77897415
chr7	1.59E+08	159093429	+	4.83E-40	7.13175E-38	-0.28717	hypo	sig	chr7_159093429
chr1	1.53E+08	152685811	+	4.836E-40	7.13938E-38	-0.25274	hypo	sig	chr1_152685811
chr11	94740755	94740755	+	4.866E-40	7.18144E-38	0.268307	hyper	sig	chr11_94740755
chr17	17562430	17562430	+	4.916E-40	7.25484E-38	-0.2891	hypo	sig	chr17_17562430
chr3	1.7E+08	169822305	+	4.953E-40	7.30746E-38	-0.47664	hypo	sig	chr3_169822305
chr19	57614711	57614711	+	4.96E-40	7.31648E-38	0.376179	hyper	sig	chr19_57614711
chr1	22649094	22649094	+	5.051E-40	7.4473E-38	-0.26476	hypo	sig	chr1_22649094
chr1	1.21E+08	121118403	+	5.05E-40	7.4473E-38	0.32332	hyper	sig	chr1_121118403
chr14	97219340	97219340	+	5.065E-40	7.46787E-38	0.273015	hyper	sig	chr14_97219340
chr5	1.46E+08	146342905	+	5.145E-40	7.5829E-38	0.304673	hyper	sig	chr5_146342905
chr8	96159787	96159787	+	5.155E-40	7.59563E-38	0.312681	hyper	sig	chr8_96159787
chr2	2.32E+08	232486270	+	5.181E-40	7.63205E-38	0.244926	hyper	sig	chr2_232486270
chr9	3181059	3181059	+	5.194E-40	7.65022E-38	0.268859	hyper	sig	chr9_3181059
chr11	67270969	67270969	+	5.217E-40	7.683E-38	-0.30859	hypo	sig	chr11_67270969
chr11	67270964	67270964	+	5.223E-40	7.69004E-38	-0.32093	hypo	sig	chr11_67270964
chr7	1.37E+08	136869137	+	5.244E-40	7.72036E-38	0.39318	hyper	sig	chr7_136869137
chr5	1876283	1876283	+	5.309E-40	7.81411E-38	0.27456	hyper	sig	chr5_1876283
chr1	8347831	8347831	+	5.312E-40	7.81681E-38	-0.3072	hypo	sig	chr1_8347831
chr16	54289047	54289047	+	5.387E-40	7.92616E-38	0.301753	hyper	sig	chr16_54289047
chr14	1.01E+08	100691613	+	5.408E-40	7.95531E-38	-0.30055	hypo	sig	chr14_100691613
chr12	78865075	78865075	+	5.416E-40	7.96575E-38	0.262442	hyper	sig	chr12_78865075
chr1	1210314	1210314	+	5.579E-40	8.20353E-38	-0.31727	hypo	sig	chr1_1210314
chr22	48521336	48521336	+	5.594E-40	8.22407E-38	-0.32158	hypo	sig	chr22_48521336
chr12	84913320	84913320	+	5.621E-40	8.26272E-38	0.338	hyper	sig	chr12_84913320
chr3	1.27E+08	126540513	+	5.649E-40	8.30213E-38	-0.34293	hypo	sig	chr3_126540513
chr19	57935402	57935402	+	5.69E-40	8.36165E-38	0.322916	hyper	sig	chr19_57935402
chr17	78853011	78853011	+	5.725E-40	8.41117E-38	-0.28728	hypo	sig	chr17_78853011
chr19	36331787	36331787	+	5.731E-40	8.41804E-38	0.295506	hyper	sig	chr19_36331787
chr15	83283593	83283593	+	5.766E-40	8.46777E-38	0.290959	hyper	sig	chr15_83283593
chr4	212742	212742	+	5.774E-40	8.47863E-38	0.290259	hyper	sig	chr4_212742
chr5	1.41E+08	141430974	+	5.854E-40	8.59464E-38	0.276966	hyper	sig	chr5_141430974
chr10	50674887	50674887	+	5.856E-40	8.59643E-38	-0.29867	hypo	sig	chr10_50674887
chr7	1.59E+08	159093407	+	5.863E-40	8.60413E-38	-0.29435	hypo	sig	chr7_159093407
chr4	1.33E+08	133151608	+	5.866E-40	8.60741E-38	0.359147	hyper	sig	chr4_133151608
chr20	21516052	21516052	+	5.966E-40	8.75312E-38	0.245491	hyper	sig	chr20_21516052

chr14	1.04E+08	104170831	+	5.975E-40	8.76448E-38	-0.33421	hypo	sig	chr14_104170831
chr17	48726819	48726819	+	5.979E-40	8.76827E-38	0.282225	hyper	sig	chr17_48726819
chr8	11703999	11703999	+	5.998E-40	8.79486E-38	0.223717	hyper	sig	chr8_11703999
chr1	1.19E+08	119000454	+	6.009E-40	8.8099E-38	0.336075	hyper	sig	chr1_119000454
chr11	526405	526405	+	6.047E-40	8.86326E-38	-0.28527	hypo	sig	chr11_526405
chr10	14602224	14602224	+	6.116E-40	8.96244E-38	-0.30878	hypo	sig	chr10_14602224
chr13	1.12E+08	112073942	+	6.172E-40	9.04284E-38	0.30767	hyper	sig	chr13_112073942
chr4	80265887	80265887	+	6.257E-40	9.16693E-38	0.245668	hyper	sig	chr4_80265887
chr11	1.19E+08	119422112	+	6.269E-40	9.18265E-38	0.233178	hyper	sig	chr11_119422112
chr2	20670528	20670528	+	6.276E-40	9.19091E-38	0.254237	hyper	sig	chr2_20670528
chr2	45004750	45004750	+	6.285E-40	9.2019E-38	0.229436	hyper	sig	chr2_45004750
chr2	5693000	5693000	+	6.297E-40	9.21788E-38	0.329762	hyper	sig	chr2_5693000
chr5	1.16E+08	115816763	+	6.299E-40	9.21885E-38	0.319473	hyper	sig	chr5_115816763
chr8	23707171	23707171	+	6.334E-40	9.26671E-38	0.295379	hyper	sig	chr8_23707171
chr1	9694074	9694074	+	6.387E-40	9.34371E-38	-0.35525	hypo	sig	chr1_9694074
chr18	909103	909103	+	6.446E-40	9.42799E-38	0.340645	hyper	sig	chr18_909103
chr16	51113620	51113620	+	6.461E-40	9.44839E-38	0.269776	hyper	sig	chr16_51113620
chr14	85531125	85531125	+	6.474E-40	9.46514E-38	0.383419	hyper	sig	chr14_85531125
chr8	17026670	17026670	+	6.527E-40	9.54056E-38	0.351856	hyper	sig	chr8_17026670
chr13	77918931	77918931	+	6.621E-40	9.67629E-38	0.312035	hyper	sig	chr13_77918931
chr4	1.55E+08	154742520	+	6.638E-40	9.70033E-38	0.327222	hyper	sig	chr4_154742520
chr1	3236658	3236658	+	6.715E-40	9.81009E-38	-0.32052	hypo	sig	chr1_3236658
chr5	1.41E+08	141430995	+	6.753E-40	9.86453E-38	0.278399	hyper	sig	chr5_141430995
chr4	80268773	80268773	+	6.911E-40	1.00909E-37	0.296429	hyper	sig	chr4_80268773
chr6	30260365	30260365	+	6.927E-40	1.01136E-37	0.235543	hyper	sig	chr6_30260365
chr1	98048712	98048712	+	6.968E-40	1.01713E-37	0.298545	hyper	sig	chr1_98048712
chr19	29527788	29527788	+	6.982E-40	1.01896E-37	0.339793	hyper	sig	chr19_29527788
chr12	1500225	1500225	+	6.997E-40	1.02101E-37	-0.30473	hypo	sig	chr12_1500225
chr1	1.22E+08	121519713	+	7.019E-40	1.02399E-37	0.348628	hyper	sig	chr1_121519713
chr10	1.01E+08	101227732	+	7.076E-40	1.03209E-37	0.27826	hyper	sig	chr10_101227732
chr16	89817633	89817633	+	7.078E-40	1.03217E-37	-0.27028	hypo	sig	chr16_89817633
chr6	99609284	99609284	+	7.081E-40	1.03256E-37	0.354229	hyper	sig	chr6_99609284
chr17	5097660	5097660	+	7.093E-40	1.03404E-37	0.387014	hyper	sig	chr17_5097660
chr6	32061653	32061653	+	7.117E-40	1.03723E-37	-0.38171	hypo	sig	chr6_32061653
chr6	10417407	10417407	+	7.144E-40	1.04091E-37	0.276415	hyper	sig	chr6_10417407
chr16	89248063	89248063	+	7.19E-40	1.04741E-37	0.371737	hyper	sig	chr16_89248063
chr5	1876285	1876285	+	7.27E-40	1.05893E-37	0.27626	hyper	sig	chr5_1876285
chr4	54101258	54101258	+	7.282E-40	1.06046E-37	0.332144	hyper	sig	chr4_54101258
chr17	48621548	48621548	+	7.284E-40	1.06057E-37	-0.32131	hypo	sig	chr17_48621548
chr13	93227380	93227380	+	7.289E-40	1.06116E-37	0.312834	hyper	sig	chr13_93227380
chr9	970589	970589	+	7.385E-40	1.07495E-37	0.273053	hyper	sig	chr9_970589
chr11	93537846	93537846	+	7.427E-40	1.08074E-37	-0.36392	hypo	sig	chr11_93537846
chr2	2.32E+08	232486302	+	7.428E-40	1.08074E-37	0.263915	hyper	sig	chr2_232486302
chr11	20601715	20601715	+	7.436E-40	1.08176E-37	0.28957	hyper	sig	chr11_20601715
chr5	55223055	55223055	+	7.485E-40	1.08865E-37	0.294032	hyper	sig	chr5_55223055
chr12	4909973	4909973	+	7.516E-40	1.09298E-37	0.33024	hyper	sig	chr12_4909973
chr2	2.4E+08	240046959	+	7.574E-40	1.10122E-37	-0.28651	hypo	sig	chr2_240046959
chr7	5300678	5300678	+	7.581E-40	1.10207E-37	-0.30071	hypo	sig	chr7_5300678
chr2	66433102	66433102	+	7.593E-40	1.1036E-37	0.21843	hyper	sig	chr2_66433102
chr7	19107561	19107561	+	7.625E-40	1.108E-37	0.262351	hyper	sig	chr7_19107561
chr5	1.46E+08	146342918	+	7.642E-40	1.11037E-37	0.308126	hyper	sig	chr5_146342918
chr13	77919516	77919516	+	7.649E-40	1.11114E-37	0.233648	hyper	sig	chr13_77919516
chr13	78596891	78596891	+	7.669E-40	1.11382E-37	0.241144	hyper	sig	chr13_78596891
chr1	1.81E+08	181483571	+	7.728E-40	1.12222E-37	0.301253	hyper	sig	chr1_181483571
chr13	27795437	27795437	+	7.735E-40	1.12305E-37	0.288519	hyper	sig	chr13_27795437
chr7	27103094	27103094	+	7.787E-40	1.13032E-37	0.268268	hyper	sig	chr7_27103094

chr2	5697297	5697297	+	7.803E-40	1.13243E-37	0.299661	hyper	sig	chr2_5697297
chr15	45704447	45704447	+	7.944E-40	1.15275E-37	0.249699	hyper	sig	chr15_45704447
chr12	54053212	54053212	+	7.968E-40	1.15595E-37	0.352471	hyper	sig	chr12_54053212
chr12	78864688	78864688	+	8.075E-40	1.17129E-37	0.243221	hyper	sig	chr12_78864688
chr2	63055890	63055890	+	8.121E-40	1.17772E-37	0.213217	hyper	sig	chr2_63055890
chr11	1927754	1927754	+	8.206E-40	1.18987E-37	-0.31297	hypo	sig	chr11_1927754
chr12	53960746	53960746	+	8.207E-40	1.18989E-37	0.315986	hyper	sig	chr12_53960746
chr6	401372	401372	+	8.333E-40	1.20794E-37	-0.29151	hypo	sig	chr6_401372
chr5	1.11E+08	111070841	+	8.378E-40	1.21426E-37	0.31132	hyper	sig	chr5_111070841
chr10	1.33E+08	132794375	+	8.43E-40	1.22155E-37	-0.30159	hypo	sig	chr10_132794375
chr19	53520745	53520745	+	8.443E-40	1.22318E-37	0.224718	hyper	sig	chr19_53520745
chr2	1818631	1818631	+	8.455E-40	1.22473E-37	-0.37118	hypo	sig	chr2_1818631
chr13	87674630	87674630	+	8.47E-40	1.2267E-37	0.33779	hyper	sig	chr13_87674630
chr2	1691513	1691513	+	8.524E-40	1.23423E-37	-0.35146	hypo	sig	chr2_1691513
chr10	49608885	49608885	+	8.565E-40	1.23996E-37	0.332255	hyper	sig	chr10_49608885
chr17	82457544	82457544	+	8.652E-40	1.25227E-37	-0.26532	hypo	sig	chr17_82457544
chr2	38960398	38960398	+	8.664E-40	1.25387E-37	0.290269	hyper	sig	chr2_38960398
chr4	8191655	8191655	+	8.677E-40	1.25546E-37	-0.25784	hypo	sig	chr4_8191655
chr15	55588774	55588774	+	8.698E-40	1.25825E-37	0.222835	hyper	sig	chr15_55588774
chr14	36664122	36664122	+	8.808E-40	1.27403E-37	0.270465	hyper	sig	chr14_36664122
chr16	3184344	3184344	+	9E-40	1.30153E-37	0.321085	hyper	sig	chr16_3184344
chr8	98949548	98949548	+	9.029E-40	1.30547E-37	0.29283	hyper	sig	chr8_98949548
chr14	85534767	85534767	+	9.053E-40	1.3088E-37	0.342184	hyper	sig	chr14_85534767
chr6	1.68E+08	167678594	+	9.17E-40	1.32539E-37	0.303284	hyper	sig	chr6_167678594
chr11	31826947	31826947	+	9.202E-40	1.32986E-37	0.369822	hyper	sig	chr11_31826947
chr7	97002441	97002441	+	9.283E-40	1.34125E-37	0.306617	hyper	sig	chr7_97002441
chr3	1.47E+08	147397199	+	9.329E-40	1.34762E-37	0.300242	hyper	sig	chr3_147397199
chr1	75128576	75128576	+	9.337E-40	1.34854E-37	0.306712	hyper	sig	chr1_75128576
chr12	4909975	4909975	+	9.364E-40	1.35229E-37	0.333182	hyper	sig	chr12_4909975
chr12	1.14E+08	114405604	+	9.388E-40	1.35541E-37	0.301418	hyper	sig	chr12_114405604
chr6	1.33E+08	133242314	+	9.416E-40	1.35923E-37	0.278331	hyper	sig	chr6_133242314
chr4	1.55E+08	154742394	+	9.439E-40	1.36241E-37	0.387783	hyper	sig	chr4_154742394
chr4	1.11E+08	110632005	+	9.527E-40	1.37482E-37	0.219723	hyper	sig	chr4_110632005
chr18	79785050	79785050	+	9.536E-40	1.37587E-37	-0.30953	hypo	sig	chr18_79785050
chr3	27731239	27731239	+	9.573E-40	1.38103E-37	0.279476	hyper	sig	chr3_27731239
chr4	44447665	44447665	+	9.668E-40	1.39436E-37	0.347562	hyper	sig	chr4_44447665
chr8	17026830	17026830	+	9.703E-40	1.39916E-37	0.366041	hyper	sig	chr8_17026830
chr1	2335066	2335066	+	9.707E-40	1.3996E-37	-0.31325	hypo	sig	chr1_2335066
chr1	1332084	1332084	+	9.712E-40	1.40002E-37	-0.3674	hypo	sig	chr1_1332084
chr14	36504021	36504021	+	9.718E-40	1.40061E-37	0.261269	hyper	sig	chr14_36504021
chr13	27924774	27924774	+	9.788E-40	1.41027E-37	0.282831	hyper	sig	chr13_27924774
chr13	1.1E+08	110311821	+	9.788E-40	1.41027E-37	-0.2828	hypo	sig	chr13_110311821
chr11	504930	504930	+	9.828E-40	1.41571E-37	0.304868	hyper	sig	chr11_504930
chr17	78140959	78140959	+	9.983E-40	1.43781E-37	-0.38436	hypo	sig	chr17_78140959
chr10	3300949	3300949	+	9.999E-40	1.43992E-37	0.286391	hyper	sig	chr10_3300949
chr3	1.27E+08	127036572	+	1.001E-39	1.44074E-37	-0.30721	hypo	sig	chr3_127036572
chr14	24132350	24132350	+	1.003E-39	1.44312E-37	-0.27621	hypo	sig	chr14_24132350
chr4	1405412	1405412	+	1.003E-39	1.44323E-37	0.374497	hyper	sig	chr4_1405412
chr20	52104740	52104740	+	1.008E-39	1.45116E-37	0.220224	hyper	sig	chr20_52104740
chr5	1.34E+08	134113954	+	1.018E-39	1.46428E-37	0.257881	hyper	sig	chr5_134113954
chr3	48661608	48661608	+	1.022E-39	1.46968E-37	0.265566	hyper	sig	chr3_48661608
chr9	97852919	97852919	+	1.022E-39	1.47027E-37	0.278754	hyper	sig	chr9_97852919
chr5	55222839	55222839	+	1.03E-39	1.48048E-37	0.297844	hyper	sig	chr5_55222839
chr22	36818820	36818820	+	1.038E-39	1.49274E-37	-0.26366	hypo	sig	chr22_36818820
chr16	30006206	30006206	+	1.042E-39	1.49744E-37	-0.2927	hypo	sig	chr16_30006206
chr4	1.25E+08	125316192	+	1.042E-39	1.49744E-37	0.29708	hyper	sig	chr4_125316192

chr5	44388887	44388887	+	1.043E-39	1.49886E-37	0.328495	hyper	sig	chr5_44388887
chr5	1876258	1876258	+	1.045E-39	1.50129E-37	0.249626	hyper	sig	chr5_1876258
chr2	911000	911000	+	1.048E-39	1.50515E-37	-0.28496	hypo	sig	chr2_911000
chr4	41747358	41747358	+	1.05E-39	1.50745E-37	0.393869	hyper	sig	chr4_41747358
chr16	85948114	85948114	+	1.055E-39	1.51464E-37	-0.32761	hypo	sig	chr16_85948114
chr19	1467046	1467046	+	1.056E-39	1.51638E-37	0.291043	hyper	sig	chr19_1467046
chr16	85620677	85620677	+	1.061E-39	1.52298E-37	-0.27932	hypo	sig	chr16_85620677
chr4	962868	962868	+	1.062E-39	1.52369E-37	-0.31522	hypo	sig	chr4_962868
chr7	1.04E+08	103989095	+	1.068E-39	1.53265E-37	0.265915	hyper	sig	chr7_103989095
chr12	54047474	54047474	+	1.085E-39	1.55712E-37	0.40092	hyper	sig	chr12_54047474
chr8	96159784	96159784	+	1.088E-39	1.56067E-37	0.301738	hyper	sig	chr8_96159784
chr2	1.19E+08	118842168	+	1.089E-39	1.56137E-37	0.268838	hyper	sig	chr2_118842168
chr16	51151171	51151171	+	1.103E-39	1.58123E-37	0.386456	hyper	sig	chr16_51151171
chr4	3766894	3766894	+	1.108E-39	1.58799E-37	0.297269	hyper	sig	chr4_3766894
chr13	1.12E+08	112069116	+	1.108E-39	1.58873E-37	0.315304	hyper	sig	chr13_112069116
chr16	88416260	88416260	+	1.116E-39	1.59997E-37	-0.30368	hypo	sig	chr16_88416260
chr1	2.08E+08	207645249	+	1.129E-39	1.61717E-37	0.42922	hyper	sig	chr1_207645249
chr3	1.38E+08	137767452	+	1.136E-39	1.62743E-37	0.21862	hyper	sig	chr3_137767452
chr1	22651198	22651198	+	1.138E-39	1.62972E-37	-0.33261	hypo	sig	chr1_22651198
chr13	53202181	53202181	+	1.156E-39	1.65539E-37	0.325307	hyper	sig	chr13_53202181
chr6	1.34E+08	134176454	+	1.159E-39	1.66023E-37	0.315127	hyper	sig	chr6_134176454
chr5	1.41E+08	141398829	+	1.169E-39	1.67379E-37	0.270722	hyper	sig	chr5_141398829
chr3	27724771	27724771	+	1.177E-39	1.68498E-37	0.233993	hyper	sig	chr3_27724771
chr8	52939883	52939883	+	1.183E-39	1.69251E-37	0.356127	hyper	sig	chr8_52939883
chr11	32437110	32437110	+	1.189E-39	1.7009E-37	0.267963	hyper	sig	chr11_32437110
chr19	3282179	3282179	+	1.195E-39	1.7099E-37	-0.32941	hypo	sig	chr19_3282179
chr22	19892135	19892135	+	1.2E-39	1.71574E-37	-0.2724	hypo	sig	chr22_19892135
chr16	88316100	88316100	+	1.215E-39	1.73749E-37	-0.28553	hypo	sig	chr16_88316100
chr9	98253902	98253902	+	1.215E-39	1.7377E-37	-0.34902	hypo	sig	chr9_98253902
chr3	1.47E+08	147419469	+	1.216E-39	1.7386E-37	0.27749	hyper	sig	chr3_147419469
chr1	1.53E+08	152804865	+	1.219E-39	1.74198E-37	-0.35341	hypo	sig	chr1_152804865
chr2	2.39E+08	239275262	+	1.219E-39	1.74198E-37	-0.25356	hypo	sig	chr2_239275262
chr14	88326967	88326967	+	1.235E-39	1.76428E-37	0.282622	hyper	sig	chr14_88326967
chr2	38960416	38960416	+	1.237E-39	1.7669E-37	0.26669	hyper	sig	chr2_38960416
chr14	1.01E+08	100726680	+	1.239E-39	1.77004E-37	0.288474	hyper	sig	chr14_100726680
chr3	1.7E+08	169822275	+	1.247E-39	1.78061E-37	-0.5207	hypo	sig	chr3_169822275
chr5	1794605	1794605	+	1.25E-39	1.78445E-37	-0.31324	hypo	sig	chr5_1794605
chr7	1.58E+08	157692571	+	1.25E-39	1.78445E-37	0.350536	hyper	sig	chr7_157692571
chr5	1973992	1973992	+	1.251E-39	1.785E-37	-0.31171	hypo	sig	chr5_1973992
chr19	57172481	57172481	+	1.253E-39	1.78865E-37	0.352996	hyper	sig	chr19_57172481
chr8	98949666	98949666	+	1.271E-39	1.81313E-37	0.321094	hyper	sig	chr8_98949666
chr17	45601351	45601351	+	1.272E-39	1.81505E-37	-0.29294	hypo	sig	chr17_45601351
chr16	62036249	62036249	+	1.274E-39	1.81704E-37	0.289797	hyper	sig	chr16_62036249
chr16	85484065	85484065	+	1.274E-39	1.81704E-37	-0.29437	hypo	sig	chr16_85484065
chr3	1.38E+08	137761318	+	1.274E-39	1.81704E-37	0.312702	hyper	sig	chr3_137761318
chr2	26342931	26342931	+	1.278E-39	1.82125E-37	-0.36369	hypo	sig	chr2_26342931
chr5	1.41E+08	141418528	+	1.28E-39	1.82388E-37	0.27165	hyper	sig	chr5_141418528
chr12	54047758	54047758	+	1.293E-39	1.84285E-37	0.360705	hyper	sig	chr12_54047758
chr16	88691301	88691301	+	1.296E-39	1.84648E-37	-0.30621	hypo	sig	chr16_88691301
chr3	1.93E+08	192514324	+	1.297E-39	1.84748E-37	0.397399	hyper	sig	chr3_192514324
chr2	74415736	74415736	+	1.298E-39	1.84849E-37	0.286306	hyper	sig	chr2_74415736
chr17	45261758	45261758	+	1.303E-39	1.85583E-37	0.323176	hyper	sig	chr17_45261758
chr17	78862220	78862220	+	1.305E-39	1.85806E-37	-0.3883	hypo	sig	chr17_78862220
chr13	78607900	78607900	+	1.309E-39	1.86351E-37	0.332131	hyper	sig	chr13_78607900
chr3	1.72E+08	172449779	+	1.324E-39	1.88417E-37	0.271303	hyper	sig	chr3_172449779
chr13	25171818	25171818	+	1.336E-39	1.90093E-37	0.294929	hyper	sig	chr13_25171818

chr19	48414931	48414931	+	1.336E-39	1.90126E-37	0.418397	hyper	sig	chr19_48414931
chr7	27102999	27102999	+	1.342E-39	1.90955E-37	0.365311	hyper	sig	chr7_27102999
chr10	55628593	55628593	+	1.351E-39	1.92057E-37	0.371802	hyper	sig	chr10_55628593
chr11	1.11E+08	111284017	+	1.351E-39	1.92057E-37	-0.28127	hypo	sig	chr11_111284017
chr4	1.09E+08	109302493	+	1.361E-39	1.93463E-37	0.259878	hyper	sig	chr4_109302493
chr11	67665221	67665221	+	1.376E-39	1.95539E-37	-0.30043	hypo	sig	chr11_67665221
chr7	1.55E+08	155451406	+	1.381E-39	1.96255E-37	0.250479	hyper	sig	chr7_155451406
chr6	391208	391208	+	1.386E-39	1.96911E-37	0.404628	hyper	sig	chr6_391208
chr15	25863527	25863527	+	1.388E-39	1.97264E-37	0.336316	hyper	sig	chr15_25863527
chr8	49911018	49911018	+	1.395E-39	1.98195E-37	0.289938	hyper	sig	chr8_49911018
chr4	5050815	5050815	+	1.398E-39	1.98618E-37	0.310669	hyper	sig	chr4_5050815
chr2	1.87E+08	186849143	+	1.401E-39	1.98918E-37	0.308638	hyper	sig	chr2_186849143
chr16	51153666	51153666	+	1.412E-39	2.00453E-37	0.366735	hyper	sig	chr16_51153666
chr20	63361102	63361102	+	1.414E-39	2.007E-37	0.382654	hyper	sig	chr20_63361102
chr5	1.35E+08	135030844	+	1.433E-39	2.03419E-37	0.233913	hyper	sig	chr5_135030844
chr20	23048628	23048628	+	1.443E-39	2.04724E-37	0.291558	hyper	sig	chr20_23048628
chr1	3094414	3094414	+	1.446E-39	2.05132E-37	-0.26826	hypo	sig	chr1_3094414
chr6	1E+08	100448882	+	1.446E-39	2.0515E-37	0.247618	hyper	sig	chr6_100448882
chr20	25082141	25082141	+	1.448E-39	2.05423E-37	0.300904	hyper	sig	chr20_25082141
chr5	1931464	1931464	+	1.456E-39	2.06512E-37	0.259032	hyper	sig	chr5_1931464
chr2	1E+08	100391849	+	1.478E-39	2.09622E-37	-0.30464	hypo	sig	chr2_100391849
chr4	5893345	5893345	+	1.48E-39	2.09751E-37	0.355945	hyper	sig	chr4_5893345
chr17	82311248	82311248	+	1.49E-39	2.1122E-37	-0.38658	hypo	sig	chr17_82311248
chr20	23049465	23049465	+	1.492E-39	2.11382E-37	0.253747	hyper	sig	chr20_23049465
chr3	1.58E+08	158094974	+	1.492E-39	2.11445E-37	0.335665	hyper	sig	chr3_158094974
chr4	65669427	65669427	+	1.499E-39	2.12413E-37	0.324403	hyper	sig	chr4_65669427
chr13	57629502	57629502	+	1.502E-39	2.12798E-37	0.333142	hyper	sig	chr13_57629502
chr7	8443756	8443756	+	1.511E-39	2.14045E-37	0.316748	hyper	sig	chr7_8443756
chr16	81215101	81215101	+	1.527E-39	2.16185E-37	-0.42476	hypo	sig	chr16_81215101
chr16	84851649	84851649	+	1.531E-39	2.16742E-37	-0.3772	hypo	sig	chr16_84851649
chr1	10672732	10672732	+	1.537E-39	2.17519E-37	0.30694	hyper	sig	chr1_10672732
chr14	26596754	26596754	+	1.541E-39	2.18053E-37	0.410652	hyper	sig	chr14_26596754
chr19	53521084	53521084	+	1.551E-39	2.19502E-37	0.209483	hyper	sig	chr19_53521084
chr19	23070537	23070537	+	1.554E-39	2.19797E-37	0.269541	hyper	sig	chr19_23070537
chr16	85643192	85643192	+	1.567E-39	2.2161E-37	-0.35182	hypo	sig	chr16_85643192
chr3	28575813	28575813	+	1.57E-39	2.22055E-37	0.290013	hyper	sig	chr3_28575813
chr7	35186142	35186142	+	1.578E-39	2.23146E-37	0.216026	hyper	sig	chr7_35186142
chr16	49278695	49278695	+	1.602E-39	2.26472E-37	0.31505	hyper	sig	chr16_49278695
chr10	11164907	11164907	+	1.634E-39	2.31022E-37	0.316813	hyper	sig	chr10_11164907
chr15	74955752	74955752	+	1.636E-39	2.31236E-37	-0.3722	hypo	sig	chr15_74955752
chr12	54029702	54029702	+	1.641E-39	2.3182E-37	0.24561	hyper	sig	chr12_54029702
chr21	44706189	44706189	+	1.645E-39	2.32339E-37	0.345355	hyper	sig	chr21_44706189
chr10	1.18E+08	117734991	+	1.646E-39	2.32528E-37	0.28997	hyper	sig	chr10_117734991
chr1	1.19E+08	118989427	+	1.648E-39	2.3266E-37	0.298583	hyper	sig	chr1_118989427
chr14	1.01E+08	101064200	+	1.659E-39	2.34279E-37	-0.31761	hypo	sig	chr14_101064200
chr4	6194651	6194651	+	1.66E-39	2.3433E-37	-0.34417	hypo	sig	chr4_6194651
chr4	1.11E+08	110618326	+	1.691E-39	2.38629E-37	0.249522	hyper	sig	chr4_110618326
chr16	88691170	88691170	+	1.699E-39	2.39829E-37	-0.29587	hypo	sig	chr16_88691170
chr4	1.11E+08	110631140	+	1.7E-39	2.39881E-37	0.231909	hyper	sig	chr4_110631140
chr13	93227046	93227046	+	1.705E-39	2.40571E-37	0.305753	hyper	sig	chr13_93227046
chr4	42152831	42152831	+	1.714E-39	2.41759E-37	0.311337	hyper	sig	chr4_42152831
chr4	760155	760155	+	1.723E-39	2.42939E-37	0.422175	hyper	sig	chr4_760155
chr2	44932879	44932879	+	1.723E-39	2.42981E-37	0.344439	hyper	sig	chr2_44932879
chr7	54542256	54542256	+	1.733E-39	2.44332E-37	0.32112	hyper	sig	chr7_54542256
chr7	1.43E+08	142796715	+	1.763E-39	2.48427E-37	0.309047	hyper	sig	chr7_142796715
chr7	1.56E+08	155803677	+	1.772E-39	2.49701E-37	0.312372	hyper	sig	chr7_155803677

chr7	92608784	92608784	+	1.775E-39	2.50138E-37	-0.33221	hypo	sig	chr7_92608784
chr2	2.22E+08	222304782	+	1.788E-39	2.51948E-37	0.331033	hyper	sig	chr2_222304782
chr2	1.81E+08	181457100	+	1.789E-39	2.51963E-37	0.239256	hyper	sig	chr2_181457100
chr1	1.21E+08	121117020	+	1.791E-39	2.52171E-37	0.377551	hyper	sig	chr1_121117020
chr4	1.74E+08	173519429	+	1.794E-39	2.52648E-37	0.282822	hyper	sig	chr4_173519429
chr1	1.6E+08	159929924	+	1.803E-39	2.53754E-37	-0.31088	hypo	sig	chr1_159929924
chr13	1.1E+08	109781488	+	1.825E-39	2.56922E-37	-0.34837	hypo	sig	chr13_109781488
chr3	27723300	27723300	+	1.838E-39	2.58613E-37	0.271425	hyper	sig	chr3_27723300
chr6	1.68E+08	168227780	+	1.84E-39	2.58918E-37	-0.33029	hypo	sig	chr6_168227780
chr1	20473319	20473319	+	1.845E-39	2.59605E-37	0.318813	hyper	sig	chr1_20473319
chr11	64971856	64971856	+	1.847E-39	2.59854E-37	0.268837	hyper	sig	chr11_64971856
chr3	49686161	49686161	+	1.855E-39	2.60868E-37	0.266642	hyper	sig	chr3_49686161
chr12	47085997	47085997	+	1.859E-39	2.61385E-37	-0.35897	hypo	sig	chr12_47085997
chr10	79242918	79242918	+	1.86E-39	2.61464E-37	0.345521	hyper	sig	chr10_79242918
chr2	1.05E+08	104863833	+	1.878E-39	2.63974E-37	0.326486	hyper	sig	chr2_104863833
chr10	1.01E+08	101134293	+	1.879E-39	2.64028E-37	0.276728	hyper	sig	chr10_101134293
chr1	1.77E+08	177171177	+	1.879E-39	2.64055E-37	0.233818	hyper	sig	chr1_177171177
chr5	31855299	31855299	+	1.881E-39	2.64275E-37	0.354187	hyper	sig	chr5_31855299
chr19	49024688	49024688	+	1.884E-39	2.64561E-37	-0.31157	hypo	sig	chr19_49024688
chr8	64369665	64369665	+	1.899E-39	2.66752E-37	0.274803	hyper	sig	chr8_64369665
chr1	47433992	47433992	+	1.908E-39	2.67899E-37	0.358023	hyper	sig	chr1_47433992
chr11	72577226	72577226	+	1.928E-39	2.70652E-37	-0.31184	hypo	sig	chr11_72577226
chr4	212589	212589	+	1.929E-39	2.70727E-37	0.30979	hyper	sig	chr4_212589
chr8	49910538	49910538	+	1.93E-39	2.70883E-37	0.277046	hyper	sig	chr8_49910538
chr3	1.93E+08	192514331	+	1.939E-39	2.72084E-37	0.419874	hyper	sig	chr3_192514331
chr2	63053934	63053934	+	1.94E-39	2.72109E-37	0.22413	hyper	sig	chr2_63053934
chr1	38207008	38207008	+	1.941E-39	2.72231E-37	-0.31137	hypo	sig	chr1_38207008
chr8	41309566	41309566	+	1.957E-39	2.74484E-37	0.241997	hyper	sig	chr8_41309566
chr1	6465991	6465991	+	1.96E-39	2.74776E-37	0.329385	hyper	sig	chr1_6465991
chr10	16520627	16520627	+	1.961E-39	2.74913E-37	0.241876	hyper	sig	chr10_16520627
chr3	68932807	68932807	+	1.961E-39	2.74913E-37	0.239918	hyper	sig	chr3_68932807
chr1	3245478	3245478	+	1.968E-39	2.75859E-37	-0.25409	hypo	sig	chr1_3245478
chr11	24496708	24496708	+	1.999E-39	2.80039E-37	0.27416	hyper	sig	chr11_24496708
chr5	3602293	3602293	+	2.009E-39	2.81511E-37	0.333003	hyper	sig	chr5_3602293
chr4	305028	305028	+	2.014E-39	2.82087E-37	0.317089	hyper	sig	chr4_305028
chr1	2.28E+08	228148723	+	2.037E-39	2.85262E-37	-0.40107	hypo	sig	chr1_228148723
chr4	1305403	1305403	+	2.039E-39	2.85455E-37	-0.32192	hypo	sig	chr4_1305403
chr11	44311522	44311522	+	2.051E-39	2.87187E-37	0.240743	hyper	sig	chr11_44311522
chr3	1.93E+08	192514328	+	2.068E-39	2.89496E-37	0.394521	hyper	sig	chr3_192514328
chr13	78607955	78607955	+	2.072E-39	2.89978E-37	0.354444	hyper	sig	chr13_78607955
chr14	36583511	36583511	+	2.074E-39	2.90176E-37	0.247113	hyper	sig	chr14_36583511
chr21	36705292	36705292	+	2.086E-39	2.91838E-37	0.386233	hyper	sig	chr21_36705292
chr14	28785732	28785732	+	2.09E-39	2.9241E-37	0.287066	hyper	sig	chr14_28785732
chr1	1.19E+08	118989081	+	2.095E-39	2.92938E-37	0.337608	hyper	sig	chr1_118989081
chr11	1.29E+08	128693795	+	2.097E-39	2.93268E-37	0.249158	hyper	sig	chr11_128693795
chr1	75131049	75131049	+	2.1E-39	2.9353E-37	0.294014	hyper	sig	chr1_75131049
chr1	3650708	3650708	+	2.117E-39	2.95851E-37	0.296094	hyper	sig	chr1_3650708
chr4	4858275	4858275	+	2.13E-39	2.97687E-37	0.309785	hyper	sig	chr4_4858275
chr15	83284992	83284992	+	2.137E-39	2.9863E-37	0.288225	hyper	sig	chr15_83284992
chr13	27926721	27926721	+	2.14E-39	2.98942E-37	0.415139	hyper	sig	chr13_27926721
chr8	26049779	26049779	+	2.151E-39	3.00388E-37	0.275017	hyper	sig	chr8_26049779
chr7	533509	533509	+	2.157E-39	3.0116E-37	-0.31002	hypo	sig	chr7_533509
chr1	2.28E+08	228464803	+	2.159E-39	3.0136E-37	0.263947	hyper	sig	chr1_228464803
chr1	1.11E+08	110674892	+	2.159E-39	3.01396E-37	0.419067	hyper	sig	chr1_110674892
chr17	83063640	83063640	+	2.16E-39	3.01396E-37	-0.29328	hypo	sig	chr17_83063640
chr8	49910637	49910637	+	2.162E-39	3.01755E-37	0.280074	hyper	sig	chr8_49910637

chr1	2.04E+08	203519636	+	2.166E-39	3.02129E-37	-0.30891	hypo	sig	chr1_203519636
chr22	39683500	39683500	+	2.167E-39	3.02246E-37	-0.29835	hypo	sig	chr22_39683500
chr9	1.35E+08	134501442	+	2.186E-39	3.04876E-37	0.258723	hyper	sig	chr9_134501442
chr2	1.24E+08	124025677	+	2.194E-39	3.0589E-37	0.359705	hyper	sig	chr2_124025677
chr3	62370617	62370617	+	2.195E-39	3.06011E-37	0.292794	hyper	sig	chr3_62370617
chr8	1.42E+08	142450705	+	2.209E-39	3.07894E-37	0.245025	hyper	sig	chr8_142450705
chr12	1.32E+08	132160245	+	2.224E-39	3.09929E-37	-0.35111	hypo	sig	chr12_132160245
chr12	2640924	2640924	+	2.232E-39	3.11055E-37	-0.26092	hypo	sig	chr12_2640924
chr2	1743111	1743111	+	2.255E-39	3.14244E-37	0.252515	hyper	sig	chr2_1743111
chr13	27927747	27927747	+	2.257E-39	3.14401E-37	0.340663	hyper	sig	chr13_27927747
chr8	1.08E+08	108083171	+	2.266E-39	3.15649E-37	0.273325	hyper	sig	chr8_108083171
chr13	1.02E+08	101916536	+	2.269E-39	3.1596E-37	0.315644	hyper	sig	chr13_101916536
chr2	1.28E+08	127681413	+	2.272E-39	3.16364E-37	-0.34403	hypo	sig	chr2_127681413
chr14	95441660	95441660	+	2.278E-39	3.17122E-37	-0.33943	hypo	sig	chr14_95441660
chr1	1.58E+08	158181578	+	2.299E-39	3.19953E-37	0.294114	hyper	sig	chr1_158181578
chr6	52517622	52517622	+	2.305E-39	3.20699E-37	-0.30977	hypo	sig	chr6_52517622
chr2	1.2E+08	120466183	+	2.312E-39	3.21679E-37	-0.22744	hypo	sig	chr2_120466183
chr12	84912695	84912695	+	2.314E-39	3.21854E-37	0.323277	hyper	sig	chr12_84912695
chr11	67665573	67665573	+	2.347E-39	3.26419E-37	-0.30782	hypo	sig	chr11_67665573
chr12	40693657	40693657	+	2.349E-39	3.26719E-37	0.305347	hyper	sig	chr12_40693657
chr8	1.42E+08	142464433	+	2.363E-39	3.28545E-37	0.271416	hyper	sig	chr8_142464433
chr5	1.41E+08	141403195	+	2.376E-39	3.30244E-37	0.278654	hyper	sig	chr5_141403195
chr17	16690353	16690353	+	2.39E-39	3.32152E-37	0.27645	hyper	sig	chr17_16690353
chr19	9362922	9362922	+	2.393E-39	3.32535E-37	0.324899	hyper	sig	chr19_9362922
chr1	2E+08	200036718	+	2.404E-39	3.34027E-37	0.343047	hyper	sig	chr1_200036718
chr16	29188977	29188977	+	2.408E-39	3.34517E-37	-0.3068	hypo	sig	chr16_29188977
chr16	85947767	85947767	+	2.412E-39	3.35081E-37	-0.37988	hypo	sig	chr16_85947767
chr12	98894025	98894025	+	2.415E-39	3.35414E-37	0.323197	hyper	sig	chr12_98894025
chr1	2.49E+08	248693219	+	2.434E-39	3.37972E-37	-0.37051	hypo	sig	chr1_248693219
chr19	3282160	3282160	+	2.45E-39	3.40095E-37	-0.32372	hypo	sig	chr19_3282160
chr17	45897503	45897503	+	2.454E-39	3.40567E-37	0.293004	hyper	sig	chr17_45897503
chr4	1.11E+08	110633345	+	2.457E-39	3.40888E-37	0.352453	hyper	sig	chr4_110633345
chr21	33027053	33027053	+	2.477E-39	3.43612E-37	0.272188	hyper	sig	chr21_33027053
chr9	975841	975841	+	2.492E-39	3.45668E-37	0.338055	hyper	sig	chr9_975841
chr6	391225	391225	+	2.493E-39	3.45807E-37	0.289254	hyper	sig	chr6_391225
chr7	1602188	1602188	+	2.505E-39	3.47387E-37	-0.3169	hypo	sig	chr7_1602188
chr3	1.47E+08	147410425	+	2.51E-39	3.47928E-37	0.34473	hyper	sig	chr3_147410425
chr5	37838369	37838369	+	2.511E-39	3.48088E-37	0.223705	hyper	sig	chr5_37838369
chr20	56925542	56925542	+	2.52E-39	3.49278E-37	0.243502	hyper	sig	chr20_56925542
chr8	54454958	54454958	+	2.558E-39	3.54496E-37	0.273327	hyper	sig	chr8_54454958
chr13	36432144	36432144	+	2.563E-39	3.55141E-37	0.316496	hyper	sig	chr13_36432144
chr2	1841688	1841688	+	2.596E-39	3.59655E-37	0.309829	hyper	sig	chr2_1841688
chr1	9275795	9275795	+	2.616E-39	3.62353E-37	-0.25397	hypo	sig	chr1_9275795
chr8	96159712	96159712	+	2.623E-39	3.63174E-37	0.264287	hyper	sig	chr8_96159712
chr1	44407939	44407939	+	2.668E-39	3.6934E-37	0.345232	hyper	sig	chr1_44407939
chr19	57889126	57889126	+	2.668E-39	3.6934E-37	0.32359	hyper	sig	chr19_57889126
chr1	78491154	78491154	+	2.67E-39	3.69589E-37	0.360691	hyper	sig	chr1_78491154
chr12	53960819	53960819	+	2.677E-39	3.70447E-37	0.275678	hyper	sig	chr12_53960819
chr2	1.19E+08	118858037	+	2.692E-39	3.72402E-37	0.30518	hyper	sig	chr2_118858037
chr7	27124263	27124263	+	2.703E-39	3.73859E-37	0.267454	hyper	sig	chr7_27124263
chr4	1.11E+08	110633946	+	2.711E-39	3.74955E-37	0.346573	hyper	sig	chr4_110633946
chr13	27929398	27929398	+	2.748E-39	3.80027E-37	0.417399	hyper	sig	chr13_27929398
chr1	6089466	6089466	+	2.768E-39	3.82674E-37	-0.28668	hypo	sig	chr1_6089466
chr15	55588768	55588768	+	2.78E-39	3.84296E-37	0.217094	hyper	sig	chr15_55588768
chr1	78491518	78491518	+	2.783E-39	3.84641E-37	0.337868	hyper	sig	chr1_78491518
chr2	2.27E+08	227167340	+	2.787E-39	3.85062E-37	-0.35829	hypo	sig	chr2_227167340

chr4	1.83E+08	182880721	+	2.795E-39	3.86114E-37	-0.34092	hypo	sig	chr4_182880721
chr3	1.82E+08	181696039	+	2.796E-39	3.86177E-37	0.228151	hyper	sig	chr3_181696039
chr12	1.3E+08	130161594	+	2.8E-39	3.8672E-37	0.2851	hyper	sig	chr12_130161594
chr12	1.32E+08	132329050	+	2.81E-39	3.88026E-37	0.316166	hyper	sig	chr12_132329050
chr1	1.21E+08	121118282	+	2.815E-39	3.88613E-37	0.307716	hyper	sig	chr1_121118282
chr20	23048650	23048650	+	2.818E-39	3.89033E-37	0.27956	hyper	sig	chr20_23048650
chr4	1.47E+08	146640683	+	2.835E-39	3.91261E-37	0.292177	hyper	sig	chr4_146640683
chr11	1.14E+08	114076294	+	2.857E-39	3.94226E-37	-0.38472	hypo	sig	chr11_114076294
chr8	1.44E+08	144046805	+	2.859E-39	3.94478E-37	-0.33518	hypo	sig	chr8_144046805
chr6	1.23E+08	122996391	+	2.867E-39	3.95505E-37	0.400382	hyper	sig	chr6_122996391
chr14	60510203	60510203	+	2.873E-39	3.96217E-37	0.393916	hyper	sig	chr14_60510203
chr10	1.01E+08	100830420	+	2.905E-39	4.00681E-37	0.275933	hyper	sig	chr10_100830420
chr19	20077994	20077994	+	2.917E-39	4.02151E-37	0.241313	hyper	sig	chr19_20077994
chr11	68411451	68411451	+	2.936E-39	4.04736E-37	-0.32825	hypo	sig	chr11_68411451
chr15	82680975	82680975	+	2.941E-39	4.05405E-37	0.288528	hyper	sig	chr15_82680975
chr4	1.11E+08	110630897	+	2.961E-39	4.08103E-37	0.255625	hyper	sig	chr4_110630897
chr4	1.33E+08	133148252	+	2.998E-39	4.13135E-37	0.315789	hyper	sig	chr4_133148252
chr3	1.54E+08	154429118	+	3.002E-39	4.13622E-37	0.289771	hyper	sig	chr3_154429118
chr2	1.19E+08	118834068	+	3.011E-39	4.14806E-37	0.358326	hyper	sig	chr2_118834068
chr7	66505133	66505133	+	3.039E-39	4.18578E-37	-0.33659	hypo	sig	chr7_66505133
chr13	37869563	37869563	+	3.043E-39	4.19075E-37	0.319462	hyper	sig	chr13_37869563
chr6	1.33E+08	133242204	+	3.049E-39	4.19775E-37	0.243066	hyper	sig	chr6_133242204
chr10	11165468	11165468	+	3.055E-39	4.20555E-37	0.343998	hyper	sig	chr10_11165468
chr19	45472940	45472940	+	3.082E-39	4.24176E-37	0.433597	hyper	sig	chr19_45472940
chr19	57351112	57351112	+	3.097E-39	4.26145E-37	0.235978	hyper	sig	chr19_57351112
chr3	1.47E+08	147409819	+	3.117E-39	4.28829E-37	0.269976	hyper	sig	chr3_147409819
chr22	31618436	31618436	+	3.129E-39	4.30417E-37	0.272791	hyper	sig	chr22_31618436
chr2	5691136	5691136	+	3.171E-39	4.36121E-37	0.319331	hyper	sig	chr2_5691136
chr4	15787836	15787836	+	3.175E-39	4.36611E-37	-0.40246	hypo	sig	chr4_15787836
chr4	3689502	3689502	+	3.189E-39	4.38466E-37	-0.26904	hypo	sig	chr4_3689502
chr7	92608996	92608996	+	3.211E-39	4.41339E-37	-0.36045	hypo	sig	chr7_92608996
chr17	47719528	47719528	+	3.226E-39	4.43375E-37	-0.24552	hypo	sig	chr17_47719528
chr20	5315654	5315654	+	3.229E-39	4.43686E-37	0.310393	hyper	sig	chr20_5315654
chr13	1.14E+08	114005019	+	3.303E-39	4.53836E-37	-0.33534	hypo	sig	chr13_114005019
chr2	2.07E+08	206642458	+	3.305E-39	4.54006E-37	0.306477	hyper	sig	chr2_206642458
chr12	53927550	53927550	+	3.317E-39	4.55567E-37	0.32656	hyper	sig	chr12_53927550
chr6	1.34E+08	134176456	+	3.323E-39	4.56382E-37	0.311905	hyper	sig	chr6_134176456
chr5	1193978	1193978	+	3.339E-39	4.58378E-37	-0.35363	hypo	sig	chr5_1193978
chr16	51151182	51151182	+	3.367E-39	4.62232E-37	0.389507	hyper	sig	chr16_51151182
chr5	1.16E+08	115816325	+	3.369E-39	4.62338E-37	0.336637	hyper	sig	chr5_115816325
chr4	1349106	1349106	+	3.386E-39	4.64676E-37	-0.29011	hypo	sig	chr4_1349106
chr7	1.57E+08	157298802	+	3.403E-39	4.66968E-37	-0.25184	hypo	sig	chr7_157298802
chr14	37602117	37602117	+	3.404E-39	4.66997E-37	0.279868	hyper	sig	chr14_37602117
chr11	1.14E+08	114076377	+	3.448E-39	4.7287E-37	-0.31004	hypo	sig	chr11_114076377
chr6	1.01E+08	101399168	+	3.451E-39	4.73227E-37	0.347617	hyper	sig	chr6_101399168
chr11	64223126	64223126	+	3.457E-39	4.7387E-37	-0.26232	hypo	sig	chr11_64223126
chr22	46390967	46390967	+	3.457E-39	4.73872E-37	-0.34738	hypo	sig	chr22_46390967
chr5	1.39E+08	139393556	+	3.485E-39	4.77548E-37	0.25932	hyper	sig	chr5_139393556
chr19	48640145	48640145	+	3.53E-39	4.83714E-37	-0.39135	hypo	sig	chr19_48640145
chr1	38045947	38045947	+	3.531E-39	4.8373E-37	0.221713	hyper	sig	chr1_38045947
chr12	1.24E+08	123913263	+	3.551E-39	4.86452E-37	-0.31453	hypo	sig	chr12_123913263
chr3	43998017	43998017	+	3.581E-39	4.90444E-37	0.277882	hyper	sig	chr3_43998017
chr14	1.01E+08	100726669	+	3.586E-39	4.90979E-37	0.285235	hyper	sig	chr14_100726669
chr3	1.47E+08	147410367	+	3.646E-39	4.99182E-37	0.297882	hyper	sig	chr3_147410367
chr16	49278652	49278652	+	3.657E-39	5.00622E-37	0.31416	hyper	sig	chr16_49278652
chr5	3197887	3197887	+	3.672E-39	5.02536E-37	0.329025	hyper	sig	chr5_3197887

chr12	1.11E+08	111034164	+	3.702E-39	5.06508E-37	0.31541	hyper	sig	chr12_111034164
chr13	1.02E+08	101916557	+	3.786E-39	5.17993E-37	0.355517	hyper	sig	chr13_101916557
chr7	92608772	92608772	+	3.854E-39	5.27161E-37	-0.33678	hypo	sig	chr7_92608772
chr7	1.58E+08	157553962	+	3.894E-39	5.32556E-37	-0.35878	hypo	sig	chr7_157553962
chr10	23693471	23693471	+	3.908E-39	5.34403E-37	0.272155	hyper	sig	chr10_23693471
chr1	1.53E+08	153261911	+	3.914E-39	5.35129E-37	0.272701	hyper	sig	chr1_153261911
chr4	1.67E+08	167234086	+	3.915E-39	5.35212E-37	0.227304	hyper	sig	chr4_167234086
chr1	1.81E+08	181483663	+	3.944E-39	5.39028E-37	0.299564	hyper	sig	chr1_181483663
chr19	1467052	1467052	+	3.945E-39	5.3907E-37	0.292716	hyper	sig	chr19_1467052
chr2	74516332	74516332	+	3.954E-39	5.40239E-37	0.258167	hyper	sig	chr2_74516332
chr12	2231713	2231713	+	3.966E-39	5.41763E-37	-0.37421	hypo	sig	chr12_2231713
chr7	54542260	54542260	+	4.002E-39	5.46546E-37	0.348657	hyper	sig	chr7_54542260
chr19	2513285	2513285	+	4.004E-39	5.46742E-37	-0.4233	hypo	sig	chr19_2513285
chr11	1.29E+08	128824289	+	4.005E-39	5.46874E-37	0.321087	hyper	sig	chr11_128824289
chr1	1.47E+08	147073224	+	4.016E-39	5.48231E-37	0.3107	hyper	sig	chr1_147073224
chr16	84851624	84851624	+	4.05E-39	5.52824E-37	-0.38579	hypo	sig	chr16_84851624
chr4	305024	305024	+	4.059E-39	5.53877E-37	0.314817	hyper	sig	chr4_305024
chr5	1.41E+08	141421194	+	4.059E-39	5.53877E-37	0.329943	hyper	sig	chr5_141421194
chr7	1238154	1238154	+	4.061E-39	5.54035E-37	0.327192	hyper	sig	chr7_1238154
chr7	1.55E+08	155467628	+	4.066E-39	5.54563E-37	0.331581	hyper	sig	chr7_155467628
chr1	20473455	20473455	+	4.069E-39	5.54902E-37	0.307714	hyper	sig	chr1_20473455
chr12	78865082	78865082	+	4.094E-39	5.58167E-37	0.250589	hyper	sig	chr12_78865082
chr10	1.33E+08	132817629	+	4.097E-39	5.58564E-37	-0.2967	hypo	sig	chr10_132817629
chr16	85286258	85286258	+	4.108E-39	5.59821E-37	-0.27632	hypo	sig	chr16_85286258
chr2	1743096	1743096	+	4.107E-39	5.59821E-37	0.229005	hyper	sig	chr2_1743096
chr6	1.68E+08	167678238	+	4.114E-39	5.60549E-37	0.354391	hyper	sig	chr6_167678238
chr16	85485231	85485231	+	4.163E-39	5.67114E-37	-0.2783	hypo	sig	chr16_85485231
chr7	1.37E+08	136869141	+	4.202E-39	5.72369E-37	0.395056	hyper	sig	chr7_136869141
chr5	1.41E+08	140786431	+	4.243E-39	5.77807E-37	0.257886	hyper	sig	chr5_140786431
chr2	74415747	74415747	+	4.273E-39	5.81881E-37	0.285551	hyper	sig	chr2_74415747
chr1	2E+08	200036705	+	4.279E-39	5.82626E-37	0.35644	hyper	sig	chr1_200036705
chr8	72251643	72251643	+	4.289E-39	5.83897E-37	0.251075	hyper	sig	chr8_72251643
chr10	50024973	50024973	+	4.292E-39	5.84151E-37	0.294464	hyper	sig	chr10_50024973
chr1	1.22E+08	121519720	+	4.348E-39	5.91655E-37	0.366904	hyper	sig	chr1_121519720
chr13	78596963	78596963	+	4.379E-39	5.95847E-37	0.298796	hyper	sig	chr13_78596963
chr1	1.19E+08	119005970	+	4.393E-39	5.97582E-37	0.406734	hyper	sig	chr1_119005970
chr1	2857781	2857781	+	4.442E-39	6.04134E-37	-0.27974	hypo	sig	chr1_2857781
chr14	97219535	97219535	+	4.448E-39	6.04815E-37	0.319358	hyper	sig	chr14_97219535
chr12	1.3E+08	130162708	+	4.458E-39	6.06097E-37	0.283952	hyper	sig	chr12_130162708
chr13	1.12E+08	112105400	+	4.49E-39	6.10436E-37	0.381139	hyper	sig	chr13_112105400
chr8	68330689	68330689	+	4.508E-39	6.12744E-37	0.270837	hyper	sig	chr8_68330689
chr2	31580946	31580946	+	4.642E-39	6.3085E-37	0.375046	hyper	sig	chr2_31580946
chr10	1.33E+08	133365104	+	4.685E-39	6.36568E-37	-0.27254	hypo	sig	chr10_133365104
chr12	1.14E+08	114441191	+	4.731E-39	6.42744E-37	0.286642	hyper	sig	chr12_114441191
chr4	785710	785710	+	4.783E-39	6.49638E-37	0.340547	hyper	sig	chr4_785710
chr16	89085433	89085433	+	4.785E-39	6.49799E-37	-0.30486	hypo	sig	chr16_89085433
chr10	26217802	26217802	+	4.787E-39	6.49954E-37	0.338385	hyper	sig	chr10_26217802
chr3	26623273	26623273	+	4.792E-39	6.50507E-37	0.297703	hyper	sig	chr3_26623273
chr6	10390578	10390578	+	4.797E-39	6.5108E-37	0.32435	hyper	sig	chr6_10390578
chr8	64379816	64379816	+	4.799E-39	6.5132E-37	0.284843	hyper	sig	chr8_64379816
chr11	8168680	8168680	+	4.826E-39	6.54895E-37	0.334148	hyper	sig	chr11_8168680
chr14	69850214	69850214	+	4.855E-39	6.58692E-37	-0.36039	hypo	sig	chr14_69850214
chr17	43842227	43842227	+	4.858E-39	6.58968E-37	-0.38797	hypo	sig	chr17_43842227
chr16	1655366	1655366	+	4.882E-39	6.62106E-37	0.257182	hyper	sig	chr16_1655366
chr2	1.13E+08	113275994	+	4.89E-39	6.63028E-37	0.308175	hyper	sig	chr2_113275994
chr11	67452214	67452214	+	4.93E-39	6.68441E-37	-0.37175	hypo	sig	chr11_67452214

chr1	2.48E+08	247937163	+	4.966E-39	6.73114E-37	0.286641	hyper	sig	chr1_247937163
chr16	88066116	88066116	+	4.977E-39	6.74616E-37	0.300338	hyper	sig	chr16_88066116
chr12	52007695	52007695	+	4.994E-39	6.76766E-37	0.240881	hyper	sig	chr12_52007695
chr8	1.43E+08	142777220	+	5.003E-39	6.77878E-37	0.325661	hyper	sig	chr8_142777220
chr2	1.76E+08	176100768	+	5.012E-39	6.79004E-37	0.297971	hyper	sig	chr2_176100768
chr3	27724768	27724768	+	5.064E-39	6.85931E-37	0.235992	hyper	sig	chr3_27724768
chr6	1E+08	100465176	+	5.084E-39	6.88505E-37	0.325475	hyper	sig	chr6_100465176
chr10	27746702	27746702	+	5.114E-39	6.92465E-37	0.305781	hyper	sig	chr10_27746702
chr8	68330705	68330705	+	5.158E-39	6.98205E-37	0.270537	hyper	sig	chr8_68330705
chr1	3776737	3776737	+	5.187E-39	7.01987E-37	-0.28795	hypo	sig	chr1_3776737
chr16	918029	918029	+	5.217E-39	7.05887E-37	0.265727	hyper	sig	chr16_918029
chr16	912869	912869	+	5.235E-39	7.08212E-37	0.245256	hyper	sig	chr16_912869
chr1	3292971	3292971	+	5.279E-39	7.13994E-37	-0.2941	hypo	sig	chr1_3292971
chr1	6276668	6276668	+	5.299E-39	7.16673E-37	0.2733	hyper	sig	chr1_6276668
chr15	47184816	47184816	+	5.336E-39	7.21464E-37	0.226696	hyper	sig	chr15_47184816
chr5	1882897	1882897	+	5.354E-39	7.23775E-37	0.307338	hyper	sig	chr5_1882897
chr17	49953387	49953387	+	5.385E-39	7.27946E-37	-0.3154	hypo	sig	chr17_49953387
chr12	81077902	81077902	+	5.401E-39	7.29879E-37	0.331643	hyper	sig	chr12_81077902
chr1	75134736	75134736	+	5.452E-39	7.36747E-37	0.253244	hyper	sig	chr1_75134736
chr4	1.47E+08	146640746	+	5.488E-39	7.41423E-37	0.320056	hyper	sig	chr4_146640746
chr1	17766405	17766405	+	5.556E-39	7.50462E-37	-0.2785	hypo	sig	chr1_17766405
chr1	44408063	44408063	+	5.571E-39	7.52381E-37	0.392229	hyper	sig	chr1_44408063
chr12	1.32E+08	132160235	+	5.606E-39	7.5701E-37	-0.34017	hypo	sig	chr12_132160235
chr12	54047696	54047696	+	5.76E-39	7.77746E-37	0.357865	hyper	sig	chr12_54047696
chr7	1.57E+08	157004301	+	5.774E-39	7.79431E-37	0.303036	hyper	sig	chr7_157004301
chr11	1.09E+08	109423298	+	5.794E-39	7.8196E-37	0.283451	hyper	sig	chr11_109423298
chr14	96592485	96592485	+	5.832E-39	7.87005E-37	0.221142	hyper	sig	chr14_96592485
chr15	52791378	52791378	+	5.837E-39	7.87606E-37	0.270875	hyper	sig	chr15_52791378
chr6	1.33E+08	133242329	+	5.844E-39	7.88335E-37	0.276317	hyper	sig	chr6_133242329
chr12	1.11E+08	111034197	+	5.873E-39	7.9217E-37	0.308071	hyper	sig	chr12_111034197
chr21	41823545	41823545	+	5.881E-39	7.9314E-37	-0.28965	hypo	sig	chr21_41823545
chr3	68932805	68932805	+	5.938E-39	8.00487E-37	0.243522	hyper	sig	chr3_68932805
chr2	1.27E+08	126656411	+	5.978E-39	8.05733E-37	0.368879	hyper	sig	chr2_126656411
chr7	1.55E+08	155462431	+	5.988E-39	8.0698E-37	0.306492	hyper	sig	chr7_155462431
chr1	3356168	3356168	+	5.991E-39	8.0727E-37	-0.25923	hypo	sig	chr1_3356168
chr5	37838389	37838389	+	5.992E-39	8.07279E-37	0.22853	hyper	sig	chr5_37838389
chr5	1974017	1974017	+	6.005E-39	8.08836E-37	-0.31724	hypo	sig	chr5_1974017
chr13	1.12E+08	112053503	+	6.02E-39	8.10799E-37	0.307888	hyper	sig	chr13_112053503
chr16	361293	361293	+	6.026E-39	8.11387E-37	-0.31419	hypo	sig	chr16_361293
chr3	1.38E+08	137771910	+	6.027E-39	8.11463E-37	0.234268	hyper	sig	chr3_137771910
chr5	37838354	37838354	+	6.03E-39	8.11705E-37	0.218601	hyper	sig	chr5_37838354
chr13	1.13E+08	113406004	+	6.044E-39	8.13522E-37	-0.31305	hypo	sig	chr13_113406004
chr7	27101436	27101436	+	6.061E-39	8.15632E-37	0.268928	hyper	sig	chr7_27101436
chr7	1.57E+08	157004237	+	6.122E-39	8.23496E-37	0.311583	hyper	sig	chr7_157004237
chr8	24914963	24914963	+	6.126E-39	8.23912E-37	0.284258	hyper	sig	chr8_24914963
chr1	2.08E+08	207645089	+	6.131E-39	8.24438E-37	0.26245	hyper	sig	chr1_207645089
chr16	86495069	86495069	+	6.132E-39	8.24438E-37	0.29504	hyper	sig	chr16_86495069
chr6	391189	391189	+	6.146E-39	8.26267E-37	0.388858	hyper	sig	chr6_391189
chr4	1.56E+08	155760229	+	6.196E-39	8.32848E-37	0.237156	hyper	sig	chr4_155760229
chr16	88316275	88316275	+	6.216E-39	8.35319E-37	-0.2566	hypo	sig	chr16_88316275
chr20	21516075	21516075	+	6.217E-39	8.35385E-37	0.242668	hyper	sig	chr20_21516075
chr11	43581384	43581384	+	6.291E-39	8.45191E-37	0.278274	hyper	sig	chr11_43581384
chr19	53520759	53520759	+	6.308E-39	8.47334E-37	0.202463	hyper	sig	chr19_53520759
chr3	1.8E+08	180037443	+	6.343E-39	8.51833E-37	0.498061	hyper	sig	chr3_180037443
chr12	1.31E+08	131494600	+	6.474E-39	8.69349E-37	-0.33715	hypo	sig	chr12_131494600
chr7	1.58E+08	158238074	+	6.485E-39	8.7062E-37	-0.30568	hypo	sig	chr7_158238074

chr4	1.33E+08	133148364	+	6.491E-39	8.71319E-37	0.306027	hyper	sig	chr4_133148364
chr2	1.19E+08	118841888	+	6.541E-39	8.77839E-37	0.258673	hyper	sig	chr2_118841888
chr8	26051777	26051777	+	6.551E-39	8.79058E-37	0.239213	hyper	sig	chr8_26051777
chr15	89407582	89407582	+	6.572E-39	8.81732E-37	0.221619	hyper	sig	chr15_89407582
chr1	47434496	47434496	+	6.573E-39	8.81798E-37	0.268629	hyper	sig	chr1_47434496
chr17	78140899	78140899	+	6.582E-39	8.82803E-37	-0.31043	hypo	sig	chr17_78140899
chr16	88938500	88938500	+	6.584E-39	8.82863E-37	-0.35166	hypo	sig	chr16_88938500
chr16	66579150	66579150	+	6.599E-39	8.84806E-37	0.245163	hyper	sig	chr16_66579150
chr19	687028	687028	+	6.614E-39	8.86653E-37	-0.32697	hypo	sig	chr19_687028
chr2	1.72E+08	172081433	+	6.623E-39	8.87767E-37	0.317385	hyper	sig	chr2_172081433
chr2	1.87E+08	186849224	+	6.656E-39	8.91925E-37	0.238142	hyper	sig	chr2_186849224
chr16	67163789	67163789	+	6.659E-39	8.92183E-37	0.3487	hyper	sig	chr16_67163789
chr11	92225274	92225274	+	6.76E-39	9.05585E-37	0.327084	hyper	sig	chr11_92225274
chr12	29783548	29783548	+	6.789E-39	9.09373E-37	0.254228	hyper	sig	chr12_29783548
chr4	1.57E+08	157220279	+	6.826E-39	9.14212E-37	0.265899	hyper	sig	chr4_157220279
chr16	85741774	85741774	+	6.83E-39	9.14591E-37	-0.29055	hypo	sig	chr16_85741774
chr7	69599848	69599848	+	6.915E-39	9.25734E-37	0.372016	hyper	sig	chr7_69599848
chr1	1.19E+08	118989085	+	6.945E-39	9.29687E-37	0.339081	hyper	sig	chr1_118989085
chr17	48605746	48605746	+	6.979E-39	9.34073E-37	-0.29325	hypo	sig	chr17_48605746
chr11	1.33E+08	132994199	+	6.983E-39	9.34424E-37	0.241567	hyper	sig	chr11_132994199
chr12	84912623	84912623	+	6.984E-39	9.34424E-37	0.370979	hyper	sig	chr12_84912623
chr21	46296615	46296615	+	7.041E-39	9.41817E-37	0.287491	hyper	sig	chr21_46296615
chr16	56190866	56190866	+	7.057E-39	9.43894E-37	0.267519	hyper	sig	chr16_56190866
chr11	32437055	32437055	+	7.08E-39	9.46718E-37	0.328373	hyper	sig	chr11_32437055
chr2	2.39E+08	239275517	+	7.084E-39	9.47214E-37	-0.29689	hypo	sig	chr2_239275517
chr8	1.42E+08	142173051	+	7.141E-39	9.5464E-37	-0.28638	hypo	sig	chr8_142173051
chr1	1.21E+08	121117004	+	7.151E-39	9.55762E-37	0.378477	hyper	sig	chr1_121117004
chr19	56368086	56368086	+	7.182E-39	9.59774E-37	0.347634	hyper	sig	chr19_56368086
chr5	2749601	2749601	+	7.184E-39	9.59823E-37	0.327288	hyper	sig	chr5_2749601
chr3	1.6E+08	160039209	+	7.211E-39	9.6336E-37	0.252427	hyper	sig	chr3_160039209
chr7	35186130	35186130	+	7.239E-39	9.66931E-37	0.211802	hyper	sig	chr7_35186130
chr11	31801704	31801704	+	7.242E-39	9.67198E-37	0.285416	hyper	sig	chr11_31801704
chr11	614837	614837	+	7.25E-39	9.68035E-37	-0.29629	hypo	sig	chr11_614837
chr13	57634216	57634216	+	7.283E-39	9.72255E-37	0.309368	hyper	sig	chr13_57634216
chr16	86513971	86513971	+	7.304E-39	9.75004E-37	0.41688	hyper	sig	chr16_86513971
chr19	3130805	3130805	+	7.364E-39	9.8267E-37	-0.44594	hypo	sig	chr19_3130805
chr6	1.5E+08	149964597	+	7.364E-39	9.8267E-37	0.263294	hyper	sig	chr6_149964597
chr16	1543556	1543556	+	7.446E-39	9.93465E-37	-0.26476	hypo	sig	chr16_1543556
chr3	10332751	10332751	+	7.481E-39	9.97989E-37	-0.314	hypo	sig	chr3_10332751
chr7	1.59E+08	159144040	+	7.495E-39	9.99565E-37	0.326724	hyper	sig	chr7_159144040
chr19	57614564	57614564	+	7.503E-39	1.00054E-36	0.330722	hyper	sig	chr19_57614564
chr7	27102901	27102901	+	7.509E-39	1.00114E-36	0.399233	hyper	sig	chr7_27102901
chr7	1.57E+08	157499278	+	7.54E-39	1.00511E-36	-0.25431	hypo	sig	chr7_157499278
chr13	70107906	70107906	+	7.568E-39	1.00875E-36	0.363774	hyper	sig	chr13_70107906
chr5	1.78E+08	178449862	+	7.573E-39	1.00924E-36	-0.28258	hypo	sig	chr5_178449862
chr13	1.12E+08	112073888	+	7.6E-39	1.01263E-36	0.299885	hyper	sig	chr13_112073888
chr7	1.51E+08	151392666	+	7.605E-39	1.01316E-36	-0.31535	hypo	sig	chr7_151392666
chr19	48414960	48414960	+	7.62E-39	1.01495E-36	0.399244	hyper	sig	chr19_48414960
chr12	53960814	53960814	+	7.623E-39	1.01525E-36	0.270401	hyper	sig	chr12_53960814
chr8	1452120	1452120	+	7.645E-39	1.01801E-36	-0.2896	hypo	sig	chr8_1452120
chr14	1.06E+08	105763368	+	7.688E-39	1.02347E-36	-0.29017	hypo	sig	chr14_105763368
chr20	21515514	21515514	+	7.732E-39	1.02924E-36	0.212542	hyper	sig	chr20_21515514
chr12	54014844	54014844	+	7.781E-39	1.0356E-36	0.399306	hyper	sig	chr12_54014844
chr8	41309568	41309568	+	7.784E-39	1.03575E-36	0.243559	hyper	sig	chr8_41309568
chr10	3127053	3127053	+	7.878E-39	1.04807E-36	-0.30594	hypo	sig	chr10_3127053
chr17	65538570	65538570	+	7.889E-39	1.0494E-36	-0.28573	hypo	sig	chr17_65538570

chr12	1.14E+08	114441171	+	8.006E-39	1.06477E-36	0.265806	hyper	sig	chr12_114441171
chr4	1.74E+08	173519427	+	8.147E-39	1.08342E-36	0.277763	hyper	sig	chr4_173519427
chr13	1.01E+08	101416829	+	8.205E-39	1.09086E-36	0.30732	hyper	sig	chr13_101416829
chr9	37026756	37026756	+	8.352E-39	1.11023E-36	0.332116	hyper	sig	chr9_37026756
chr3	1.94E+08	194255594	+	8.363E-39	1.11161E-36	-0.40638	hypo	sig	chr3_194255594
chr1	1.6E+08	159929930	+	8.376E-39	1.11311E-36	-0.31472	hypo	sig	chr1_159929930
chr2	47573265	47573265	+	8.387E-39	1.11444E-36	-0.3748	hypo	sig	chr2_47573265
chr2	1.19E+08	118841921	+	8.431E-39	1.12005E-36	0.243178	hyper	sig	chr2_118841921
chr1	18632365	18632365	+	8.556E-39	1.13641E-36	0.303639	hyper	sig	chr1_18632365
chr13	21668868	21668868	+	8.557E-39	1.13641E-36	0.369885	hyper	sig	chr13_21668868
chr13	1.14E+08	114065957	+	8.759E-39	1.16303E-36	-0.31101	hypo	sig	chr13_114065957
chr12	6824375	6824375	+	8.921E-39	1.18431E-36	-0.29725	hypo	sig	chr12_6824375
chr14	1.01E+08	101442745	+	8.98E-39	1.19197E-36	-0.42033	hypo	sig	chr14_101442745
chr16	67161923	67161923	+	9.005E-39	1.19511E-36	-0.36416	hypo	sig	chr16_67161923
chr22	24427588	24427588	+	9.024E-39	1.19749E-36	-0.24597	hypo	sig	chr22_24427588
chr12	1.2E+08	119593929	+	9.083E-39	1.20512E-36	0.28337	hyper	sig	chr12_119593929
chr19	36797739	36797739	+	9.098E-39	1.20689E-36	0.362647	hyper	sig	chr19_36797739
chr16	31430666	31430666	+	9.101E-39	1.20714E-36	-0.33594	hypo	sig	chr16_31430666
chr15	52788262	52788262	+	9.137E-39	1.21163E-36	0.264383	hyper	sig	chr15_52788262
chr19	12156683	12156683	+	9.167E-39	1.21543E-36	0.222796	hyper	sig	chr19_12156683
chr10	1.33E+08	132938604	+	9.194E-39	1.21887E-36	-0.22413	hypo	sig	chr10_132938604
chr20	38728201	38728201	+	9.199E-39	1.21923E-36	0.316373	hyper	sig	chr20_38728201
chr16	88938453	88938453	+	9.389E-39	1.24432E-36	-0.38357	hypo	sig	chr16_88938453
chr19	41933188	41933188	+	9.432E-39	1.24954E-36	-0.30806	hypo	sig	chr19_41933188
chr7	97002444	97002444	+	9.573E-39	1.268E-36	0.296125	hyper	sig	chr7_97002444
chr5	1.41E+08	141382665	+	9.575E-39	1.26805E-36	0.267005	hyper	sig	chr5_141382665
chr8	79611231	79611231	+	9.58E-39	1.26852E-36	0.295032	hyper	sig	chr8_79611231
chr11	40293775	40293775	+	9.589E-39	1.26947E-36	0.299637	hyper	sig	chr11_40293775
chr12	1.1E+08	109554976	+	9.623E-39	1.27387E-36	-0.37251	hypo	sig	chr12_109554976
chr15	83283974	83283974	+	9.716E-39	1.28587E-36	0.400178	hyper	sig	chr15_83283974
chr19	57192056	57192056	+	9.753E-39	1.29062E-36	0.315025	hyper	sig	chr19_57192056
chr12	75209288	75209288	+	9.825E-39	1.29992E-36	0.369372	hyper	sig	chr12_75209288
chr1	1.44E+08	143905739	+	9.906E-39	1.31038E-36	0.264241	hyper	sig	chr1_143905739
chr5	1.41E+08	141485317	+	9.921E-39	1.31221E-36	0.382987	hyper	sig	chr5_141485317
chr2	1.09E+08	109031570	+	9.959E-39	1.31704E-36	0.259083	hyper	sig	chr2_109031570
chr15	79091266	79091266	+	1.001E-38	1.32336E-36	0.21189	hyper	sig	chr15_79091266
chr10	1.32E+08	132485093	+	1.002E-38	1.32433E-36	-0.24987	hypo	sig	chr10_132485093
chr1	1965097	1965097	+	1.002E-38	1.32488E-36	-0.29174	hypo	sig	chr1_1965097
chr5	33936215	33936215	+	1.004E-38	1.32638E-36	0.251879	hyper	sig	chr5_33936215
chr5	84384417	84384417	+	1.01E-38	1.33449E-36	0.202274	hyper	sig	chr5_84384417
chr10	99233834	99233834	+	1.018E-38	1.34454E-36	0.229717	hyper	sig	chr10_99233834
chr11	40293815	40293815	+	1.037E-38	1.36995E-36	0.285398	hyper	sig	chr11_40293815
chr4	95548952	95548952	+	1.037E-38	1.36995E-36	0.465371	hyper	sig	chr4_95548952
chr4	65669476	65669476	+	1.04E-38	1.37379E-36	0.262093	hyper	sig	chr4_65669476
chr4	1.33E+08	133148070	+	1.057E-38	1.39602E-36	0.300483	hyper	sig	chr4_133148070
chr15	52788315	52788315	+	1.059E-38	1.3982E-36	0.311504	hyper	sig	chr15_52788315
chr12	78865042	78865042	+	1.06E-38	1.39941E-36	0.29642	hyper	sig	chr12_78865042
chr12	54047745	54047745	+	1.068E-38	1.40899E-36	0.345865	hyper	sig	chr12_54047745
chr16	51151174	51151174	+	1.069E-38	1.40984E-36	0.398794	hyper	sig	chr16_51151174
chr15	47184843	47184843	+	1.069E-38	1.41004E-36	0.240701	hyper	sig	chr15_47184843
chr5	1.39E+08	139393585	+	1.074E-38	1.41724E-36	0.302022	hyper	sig	chr5_139393585
chr8	26048279	26048279	+	1.075E-38	1.41724E-36	0.324375	hyper	sig	chr8_26048279
chr3	198441	198441	+	1.076E-38	1.41873E-36	0.352273	hyper	sig	chr3_198441
chr21	18244828	18244828	+	1.083E-38	1.42783E-36	0.330422	hyper	sig	chr21_18244828
chr18	79783016	79783016	+	1.086E-38	1.43206E-36	-0.2901	hypo	sig	chr18_79783016
chr3	1.82E+08	181726806	+	1.093E-38	1.44113E-36	0.226318	hyper	sig	chr3_181726806

chr15	88769804	88769804	+	1.099E-38	1.44798E-36	0.27318	hyper	sig	chr15_88769804
chr2	66582109	66582109	+	1.102E-38	1.45149E-36	0.264244	hyper	sig	chr2_66582109
chr2	20670519	20670519	+	1.105E-38	1.45601E-36	0.26041	hyper	sig	chr2_20670519
chr12	85279547	85279547	+	1.106E-38	1.45667E-36	0.284029	hyper	sig	chr12_85279547
chr5	3592604	3592604	+	1.111E-38	1.46259E-36	0.275762	hyper	sig	chr5_3592604
chr17	79465398	79465398	+	1.116E-38	1.46871E-36	-0.30954	hypo	sig	chr17_79465398
chr1	13513266	13513266	+	1.124E-38	1.47954E-36	0.235335	hyper	sig	chr1_13513266
chr4	1.25E+08	125317099	+	1.124E-38	1.48003E-36	0.317746	hyper	sig	chr4_125317099
chr10	26218354	26218354	+	1.133E-38	1.49038E-36	0.280176	hyper	sig	chr10_26218354
chr5	33936225	33936225	+	1.149E-38	1.51223E-36	0.262197	hyper	sig	chr5_33936225
chr5	1.35E+08	135327146	+	1.15E-38	1.51265E-36	0.27672	hyper	sig	chr5_135327146
chr4	1.11E+08	110612775	+	1.159E-38	1.52475E-36	0.24845	hyper	sig	chr4_110612775
chr5	1.71E+08	171309161	+	1.162E-38	1.52881E-36	0.296853	hyper	sig	chr5_171309161
chr15	83283814	83283814	+	1.164E-38	1.53001E-36	0.3266	hyper	sig	chr15_83283814
chr1	1.22E+08	121519708	+	1.167E-38	1.53374E-36	0.356739	hyper	sig	chr1_121519708
chr2	1.31E+08	130964734	+	1.181E-38	1.55203E-36	0.278437	hyper	sig	chr2_130964734
chr1	1.14E+08	114154456	+	1.183E-38	1.55533E-36	0.226844	hyper	sig	chr1_114154456
chr6	32058064	32058064	+	1.184E-38	1.5565E-36	-0.34872	hypo	sig	chr6_32058064
chr2	2.34E+08	233939004	+	1.19E-38	1.56392E-36	0.320331	hyper	sig	chr2_233939004
chr10	55628439	55628439	+	1.196E-38	1.57058E-36	0.301085	hyper	sig	chr10_55628439
chr13	78607453	78607453	+	1.198E-38	1.5738E-36	0.354639	hyper	sig	chr13_78607453
chr3	10993250	10993250	+	1.202E-38	1.57789E-36	0.298264	hyper	sig	chr3_10993250
chr8	544192	544192	+	1.208E-38	1.58628E-36	0.244731	hyper	sig	chr8_544192
chr20	46513656	46513656	+	1.228E-38	1.6123E-36	0.262867	hyper	sig	chr20_46513656
chr13	83881516	83881516	+	1.228E-38	1.61244E-36	0.328405	hyper	sig	chr13_83881516
chr5	1.34E+08	134113902	+	1.233E-38	1.61734E-36	0.234676	hyper	sig	chr5_134113902
chr2	2.33E+08	233059999	+	1.236E-38	1.62185E-36	-0.27361	hypo	sig	chr2_233059999
chr7	1.37E+08	136869135	+	1.237E-38	1.62264E-36	0.388524	hyper	sig	chr7_136869135
chr9	37026709	37026709	+	1.24E-38	1.62695E-36	0.316517	hyper	sig	chr9_37026709
chr19	12156669	12156669	+	1.241E-38	1.62781E-36	0.229507	hyper	sig	chr19_12156669
chr4	1.74E+08	173531310	+	1.245E-38	1.63179E-36	0.238	hyper	sig	chr4_173531310
chr11	92225230	92225230	+	1.254E-38	1.64387E-36	0.350884	hyper	sig	chr11_92225230
chr16	85947704	85947704	+	1.257E-38	1.64661E-36	-0.33206	hypo	sig	chr16_85947704
chr10	7411461	7411461	+	1.259E-38	1.65013E-36	0.262221	hyper	sig	chr10_7411461
chr12	54047416	54047416	+	1.263E-38	1.65471E-36	0.352574	hyper	sig	chr12_54047416
chr5	1.41E+08	141403210	+	1.271E-38	1.66512E-36	0.273432	hyper	sig	chr5_141403210
chr13	1.08E+08	108214786	+	1.274E-38	1.66902E-36	0.316022	hyper	sig	chr13_108214786
chr13	50132801	50132801	+	1.276E-38	1.67019E-36	0.300616	hyper	sig	chr13_50132801
chr14	41608156	41608156	+	1.28E-38	1.67544E-36	0.434442	hyper	sig	chr14_41608156
chr2	2.22E+08	222297343	+	1.285E-38	1.68197E-36	0.302453	hyper	sig	chr2_222297343
chr5	88659821	88659821	+	1.289E-38	1.68644E-36	0.265485	hyper	sig	chr5_88659821
chr11	44311608	44311608	+	1.295E-38	1.69491E-36	0.254319	hyper	sig	chr11_44311608
chr11	1048661	1048661	+	1.297E-38	1.69729E-36	-0.30968	hypo	sig	chr11_1048661
chr5	3597646	3597646	+	1.298E-38	1.69791E-36	0.304802	hyper	sig	chr5_3597646
chr21	20997590	20997590	+	1.3E-38	1.69973E-36	0.395034	hyper	sig	chr21_20997590
chr4	80185690	80185690	+	1.316E-38	1.72092E-36	0.303795	hyper	sig	chr4_80185690
chr5	1.71E+08	171313901	+	1.316E-38	1.72127E-36	0.290982	hyper	sig	chr5_171313901
chr15	47184787	47184787	+	1.317E-38	1.7219E-36	0.231829	hyper	sig	chr15_47184787
chr16	89916054	89916054	+	1.321E-38	1.72661E-36	-0.28605	hypo	sig	chr16_89916054
chr10	69220356	69220356	+	1.321E-38	1.72664E-36	-0.35724	hypo	sig	chr10_69220356
chr3	1.88E+08	187670376	+	1.325E-38	1.73084E-36	0.288787	hyper	sig	chr3_187670376
chr17	52159087	52159087	+	1.328E-38	1.73471E-36	0.315588	hyper	sig	chr17_52159087
chr11	47337711	47337711	+	1.335E-38	1.74356E-36	-0.28928	hypo	sig	chr11_47337711
chr15	83283149	83283149	+	1.354E-38	1.76766E-36	0.341074	hyper	sig	chr15_83283149
chr1	38578500	38578500	+	1.357E-38	1.77139E-36	0.224968	hyper	sig	chr1_38578500
chr6	10422337	10422337	+	1.358E-38	1.77267E-36	0.317299	hyper	sig	chr6_10422337

chr5	1.71E+08	171317043	+	1.361E-38	1.77673E-36	0.305654	hyper	sig	chr5_171317043
chr11	94769302	94769302	+	1.365E-38	1.78178E-36	0.213627	hyper	sig	chr11_94769302
chr8	1.41E+08	141277162	+	1.381E-38	1.8015E-36	-0.29591	hypo	sig	chr8_141277162
chr2	44943144	44943144	+	1.382E-38	1.80235E-36	0.351723	hyper	sig	chr2_44943144
chr1	1210305	1210305	+	1.384E-38	1.80531E-36	-0.30345	hypo	sig	chr1_1210305
chr17	35487841	35487841	+	1.387E-38	1.80947E-36	0.250403	hyper	sig	chr17_35487841
chr19	57351095	57351095	+	1.395E-38	1.81942E-36	0.233666	hyper	sig	chr19_57351095
chr1	1.19E+08	118989055	+	1.398E-38	1.82323E-36	0.339861	hyper	sig	chr1_118989055
chr6	1E+08	100448921	+	1.405E-38	1.83195E-36	0.26686	hyper	sig	chr6_100448921
chr5	1.46E+08	146339142	+	1.409E-38	1.83672E-36	0.297678	hyper	sig	chr5_146339142
chr18	905406	905406	+	1.41E-38	1.83692E-36	0.274743	hyper	sig	chr18_905406
chr11	1.23E+08	122979799	+	1.417E-38	1.84647E-36	0.296182	hyper	sig	chr11_122979799
chr5	1.16E+08	115816825	+	1.426E-38	1.85699E-36	0.344714	hyper	sig	chr5_115816825
chr7	1.3E+08	130491295	+	1.427E-38	1.85888E-36	0.246472	hyper	sig	chr7_130491295
chr3	62370635	62370635	+	1.437E-38	1.87076E-36	0.315263	hyper	sig	chr3_62370635
chr5	1.41E+08	141370324	+	1.438E-38	1.87201E-36	0.302542	hyper	sig	chr5_141370324
chr4	1.67E+08	167234104	+	1.438E-38	1.8725E-36	0.233384	hyper	sig	chr4_167234104
chr14	1.04E+08	104422718	+	1.439E-38	1.87251E-36	0.292727	hyper	sig	chr14_104422718
chr19	58009719	58009719	+	1.45E-38	1.88718E-36	0.273902	hyper	sig	chr19_58009719
chr11	70457448	70457448	+	1.45E-38	1.88737E-36	-0.25694	hypo	sig	chr11_70457448
chr7	45921712	45921712	+	1.457E-38	1.89589E-36	0.224754	hyper	sig	chr7_45921712
chr14	1.04E+08	104159276	+	1.46E-38	1.8988E-36	-0.30822	hypo	sig	chr14_104159276
chr5	1.46E+08	146343167	+	1.466E-38	1.90687E-36	0.282936	hyper	sig	chr5_146343167
chr13	1.11E+08	110506476	+	1.469E-38	1.91081E-36	-0.27944	hypo	sig	chr13_110506476
chr8	4994951	4994951	+	1.471E-38	1.91271E-36	0.308422	hyper	sig	chr8_4994951
chr8	11061030	11061030	+	1.472E-38	1.91401E-36	-0.29555	hypo	sig	chr8_11061030
chr17	7316091	7316091	+	1.473E-38	1.91414E-36	-0.24121	hypo	sig	chr17_7316091
chr12	54047401	54047401	+	1.483E-38	1.92756E-36	0.350893	hyper	sig	chr12_54047401
chr6	1.6E+08	160349965	+	1.496E-38	1.94374E-36	-0.39845	hypo	sig	chr6_160349965
chr12	54053543	54053543	+	1.499E-38	1.94704E-36	0.346062	hyper	sig	chr12_54053543
chr1	78491157	78491157	+	1.502E-38	1.95028E-36	0.352393	hyper	sig	chr1_78491157
chr8	56446179	56446179	+	1.504E-38	1.9532E-36	0.398657	hyper	sig	chr8_56446179
chr10	99232450	99232450	+	1.512E-38	1.96258E-36	0.317714	hyper	sig	chr10_99232450
chr6	1.33E+08	133242394	+	1.521E-38	1.97384E-36	0.261055	hyper	sig	chr6_133242394
chr6	32070378	32070378	+	1.529E-38	1.98501E-36	-0.30759	hypo	sig	chr6_32070378
chr13	36125736	36125736	+	1.547E-38	2.00758E-36	-0.32218	hypo	sig	chr13_36125736
chr19	1467040	1467040	+	1.549E-38	2.00948E-36	0.268656	hyper	sig	chr19_1467040
chr2	1.87E+08	186849139	+	1.555E-38	2.01708E-36	0.269423	hyper	sig	chr2_186849139
chr1	78491160	78491160	+	1.557E-38	2.01902E-36	0.351737	hyper	sig	chr1_78491160
chr6	1E+08	100469087	+	1.562E-38	2.02586E-36	0.245931	hyper	sig	chr6_100469087
chr16	3305458	3305458	+	1.569E-38	2.03393E-36	0.206003	hyper	sig	chr16_3305458
chr1	1.19E+08	119005973	+	1.576E-38	2.04312E-36	0.404065	hyper	sig	chr1_119005973
chr7	1.57E+08	157297352	+	1.578E-38	2.04503E-36	-0.3536	hypo	sig	chr7_157297352
chr20	21396328	21396328	+	1.58E-38	2.04721E-36	0.278785	hyper	sig	chr20_21396328
chr5	1876225	1876225	+	1.587E-38	2.05664E-36	0.260386	hyper	sig	chr5_1876225
chr11	8168644	8168644	+	1.588E-38	2.0569E-36	0.336149	hyper	sig	chr11_8168644
chr10	99530566	99530566	+	1.597E-38	2.06842E-36	0.323023	hyper	sig	chr10_99530566
chr6	62285951	62285951	+	1.599E-38	2.07042E-36	0.442028	hyper	sig	chr6_62285951
chr6	50724489	50724489	+	1.601E-38	2.07247E-36	0.256665	hyper	sig	chr6_50724489
chr13	87674463	87674463	+	1.613E-38	2.08845E-36	0.263312	hyper	sig	chr13_87674463
chr2	1.64E+08	163736051	+	1.615E-38	2.09046E-36	0.314022	hyper	sig	chr2_163736051
chr2	29115080	29115080	+	1.624E-38	2.10219E-36	0.33565	hyper	sig	chr2_29115080
chr10	1.32E+08	132375309	+	1.629E-38	2.10788E-36	-0.2015	hypo	sig	chr10_132375309
chr4	1.33E+08	133148198	+	1.631E-38	2.10958E-36	0.267073	hyper	sig	chr4_133148198
chr5	1876054	1876054	+	1.635E-38	2.11524E-36	0.257273	hyper	sig	chr5_1876054
chr5	1.41E+08	141421174	+	1.666E-38	2.15514E-36	0.300238	hyper	sig	chr5_141421174

chr3	1.94E+08	194376492	+	1.672E-38	2.16214E-36	-0.25681	hypo	sig	chr3_194376492
chr8	42499162	42499162	+	1.676E-38	2.16637E-36	0.261219	hyper	sig	chr8_42499162
chr3	1.3E+08	129975347	+	1.687E-38	2.18045E-36	0.39421	hyper	sig	chr3_129975347
chr10	1.32E+08	132373401	+	1.698E-38	2.1942E-36	-0.26541	hypo	sig	chr10_132373401
chr8	98949540	98949540	+	1.699E-38	2.19509E-36	0.285803	hyper	sig	chr8_98949540
chr12	1.04E+08	104303442	+	1.717E-38	2.21816E-36	0.326331	hyper	sig	chr12_104303442
chr4	1407669	1407669	+	1.719E-38	2.22106E-36	0.408263	hyper	sig	chr4_1407669
chr6	75205019	75205019	+	1.728E-38	2.23214E-36	0.279234	hyper	sig	chr6_75205019
chr2	1.09E+08	109031547	+	1.729E-38	2.23285E-36	0.287479	hyper	sig	chr2_109031547
chr12	54014856	54014856	+	1.733E-38	2.23694E-36	0.392975	hyper	sig	chr12_54014856
chr2	1.37E+08	136766107	+	1.74E-38	2.24645E-36	0.307222	hyper	sig	chr2_136766107
chr13	37869559	37869559	+	1.743E-38	2.24921E-36	0.334808	hyper	sig	chr13_37869559
chr10	1.24E+08	123666092	+	1.753E-38	2.26184E-36	0.324536	hyper	sig	chr10_123666092
chr14	77140875	77140875	+	1.769E-38	2.28182E-36	0.328211	hyper	sig	chr14_77140875
chr1	3650750	3650750	+	1.803E-38	2.32569E-36	0.278868	hyper	sig	chr1_3650750
chr1	3196571	3196571	+	1.813E-38	2.33879E-36	-0.2803	hypo	sig	chr1_3196571
chr4	1.11E+08	110612795	+	1.819E-38	2.34554E-36	0.237042	hyper	sig	chr4_110612795
chr14	1.06E+08	105773001	+	1.831E-38	2.36124E-36	-0.32422	hypo	sig	chr14_105773001
chr2	44943149	44943149	+	1.832E-38	2.36227E-36	0.314242	hyper	sig	chr2_44943149
chr1	2.21E+08	220882430	+	1.841E-38	2.37261E-36	0.259454	hyper	sig	chr1_220882430
chr19	37551572	37551572	+	1.844E-38	2.37649E-36	0.267325	hyper	sig	chr19_37551572
chr1	31772278	31772278	+	1.845E-38	2.37694E-36	0.274808	hyper	sig	chr1_31772278
chr4	1.74E+08	173531339	+	1.845E-38	2.37694E-36	0.266532	hyper	sig	chr4_173531339
chr12	1.27E+08	126727901	+	1.852E-38	2.38591E-36	0.291277	hyper	sig	chr12_126727901
chr13	1.14E+08	114048784	+	1.881E-38	2.42328E-36	-0.2838	hypo	sig	chr13_114048784
chr20	21515537	21515537	+	1.898E-38	2.44465E-36	0.309168	hyper	sig	chr20_21515537
chr1	63320266	63320266	+	1.901E-38	2.44808E-36	0.289042	hyper	sig	chr1_63320266
chr10	1.32E+08	132138213	+	1.908E-38	2.45575E-36	-0.29737	hypo	sig	chr10_132138213
chr17	48726905	48726905	+	1.916E-38	2.46595E-36	0.265823	hyper	sig	chr17_48726905
chr14	26598689	26598689	+	1.928E-38	2.4812E-36	0.320397	hyper	sig	chr14_26598689
chr16	85082729	85082729	+	1.931E-38	2.48462E-36	0.340711	hyper	sig	chr16_85082729
chr12	1.03E+08	103495949	+	1.94E-38	2.49558E-36	0.292589	hyper	sig	chr12_103495949
chr3	1.93E+08	192514300	+	1.943E-38	2.49963E-36	0.38043	hyper	sig	chr3_192514300
chr7	54544704	54544704	+	1.943E-38	2.49963E-36	0.36839	hyper	sig	chr7_54544704
chr2	1.19E+08	119432528	+	1.963E-38	2.52378E-36	-0.27366	hypo	sig	chr2_119432528
chr20	46513664	46513664	+	1.977E-38	2.54204E-36	0.278836	hyper	sig	chr20_46513664
chr7	988391	988391	+	1.989E-38	2.55687E-36	-0.28946	hypo	sig	chr7_988391
chr2	951422	951422	+	2.003E-38	2.57395E-36	0.303156	hyper	sig	chr2_951422
chr10	26217826	26217826	+	2.008E-38	2.58116E-36	0.349679	hyper	sig	chr10_26217826
chr13	36430898	36430898	+	2.02E-38	2.59545E-36	0.335265	hyper	sig	chr13_36430898
chr1	1.19E+08	119006640	+	2.039E-38	2.61937E-36	0.211922	hyper	sig	chr1_119006640
chr5	1446081	1446081	+	2.039E-38	2.61937E-36	0.344559	hyper	sig	chr5_1446081
chr20	59011283	59011283	+	2.052E-38	2.63537E-36	-0.29233	hypo	sig	chr20_59011283
chr14	85529867	85529867	+	2.063E-38	2.64924E-36	0.255317	hyper	sig	chr14_85529867
chr2	1691601	1691601	+	2.073E-38	2.66118E-36	-0.31362	hypo	sig	chr2_1691601
chr4	1.55E+08	155376843	+	2.073E-38	2.66168E-36	0.26859	hyper	sig	chr4_155376843
chr2	1.37E+08	136766104	+	2.079E-38	2.66901E-36	0.30167	hyper	sig	chr2_136766104
chr12	84912616	84912616	+	2.081E-38	2.66996E-36	0.362654	hyper	sig	chr12_84912616
chr13	1.1E+08	109781437	+	2.085E-38	2.67467E-36	-0.3081	hypo	sig	chr13_109781437
chr19	53521586	53521586	+	2.09E-38	2.68166E-36	0.341897	hyper	sig	chr19_53521586
chr8	84184922	84184922	+	2.105E-38	2.6997E-36	0.310633	hyper	sig	chr8_84184922
chr11	1.32E+08	131910382	+	2.114E-38	2.71101E-36	0.285197	hyper	sig	chr11_131910382
chr12	4809931	4809931	+	2.151E-38	2.75853E-36	0.262065	hyper	sig	chr12_4809931
chr16	67163628	67163628	+	2.169E-38	2.78042E-36	0.379852	hyper	sig	chr16_67163628
chr1	1067746	1067746	+	2.181E-38	2.79574E-36	-0.39555	hypo	sig	chr1_1067746
chr4	20253528	20253528	+	2.189E-38	2.80534E-36	0.318936	hyper	sig	chr4_20253528

chr4	1.54E+08	154333404	+	2.202E-38	2.82132E-36	0.250523	hyper	sig	chr4_154333404
chr20	46057399	46057399	+	2.224E-38	2.84869E-36	0.309583	hyper	sig	chr20_46057399
chr16	81584173	81584173	+	2.226E-38	2.85118E-36	-0.33391	hypo	sig	chr16_81584173
chr6	1E+08	100447362	+	2.235E-38	2.86208E-36	0.278382	hyper	sig	chr6_100447362
chr11	31799516	31799516	+	2.239E-38	2.86697E-36	0.290934	hyper	sig	chr11_31799516
chr6	28635127	28635127	+	2.241E-38	2.86936E-36	0.255914	hyper	sig	chr6_28635127
chr16	49538316	49538316	+	2.251E-38	2.88133E-36	-0.31582	hypo	sig	chr16_49538316
chr6	1.67E+08	166870833	+	2.251E-38	2.88133E-36	-0.40764	hypo	sig	chr6_166870833
chr6	10417430	10417430	+	2.258E-38	2.88942E-36	0.275478	hyper	sig	chr6_10417430
chr21	36704970	36704970	+	2.262E-38	2.8938E-36	0.313988	hyper	sig	chr21_36704970
chr22	17370980	17370980	+	2.277E-38	2.91252E-36	0.334701	hyper	sig	chr22_17370980
chr7	45921660	45921660	+	2.281E-38	2.91814E-36	0.312296	hyper	sig	chr7_45921660
chr12	53973160	53973160	+	2.322E-38	2.96899E-36	0.353013	hyper	sig	chr12_53973160
chr16	85256454	85256454	+	2.334E-38	2.98389E-36	-0.28941	hypo	sig	chr16_85256454
chr16	86580033	86580033	+	2.335E-38	2.98494E-36	0.276937	hyper	sig	chr16_86580033
chr7	54542248	54542248	+	2.336E-38	2.98542E-36	0.329593	hyper	sig	chr7_54542248
chr8	96159781	96159781	+	2.342E-38	2.99367E-36	0.298187	hyper	sig	chr8_96159781
chr12	54055097	54055097	+	2.349E-38	3.00116E-36	0.407216	hyper	sig	chr12_54055097
chr1	3650746	3650746	+	2.388E-38	3.05039E-36	0.303781	hyper	sig	chr1_3650746
chr4	1.33E+08	133151589	+	2.398E-38	3.06296E-36	0.348545	hyper	sig	chr4_133151589
chr11	1.34E+08	133935143	+	2.407E-38	3.07388E-36	-0.21986	hypo	sig	chr11_133935143
chr6	31776151	31776151	+	2.411E-38	3.079E-36	-0.28665	hypo	sig	chr6_31776151
chr7	1.54E+08	154053358	+	2.416E-38	3.08488E-36	0.315291	hyper	sig	chr7_154053358
chr5	1.41E+08	141403694	+	2.417E-38	3.08534E-36	0.319588	hyper	sig	chr5_141403694
chr20	8132926	8132926	+	2.424E-38	3.0942E-36	0.29645	hyper	sig	chr20_8132926
chr5	1144373	1144373	+	2.448E-38	3.12347E-36	-0.26586	hypo	sig	chr5_1144373
chr10	49115199	49115199	+	2.468E-38	3.1482E-36	0.268304	hyper	sig	chr10_49115199
chr16	86516085	86516085	+	2.472E-38	3.15278E-36	0.311775	hyper	sig	chr16_86516085
chr17	79465449	79465449	+	2.475E-38	3.15646E-36	-0.3651	hypo	sig	chr17_79465449
chr12	1.29E+08	128853326	+	2.476E-38	3.15781E-36	0.31681	hyper	sig	chr12_128853326
chr11	30016175	30016175	+	2.491E-38	3.17658E-36	0.341242	hyper	sig	chr11_30016175
chr20	23048694	23048694	+	2.512E-38	3.20191E-36	0.251876	hyper	sig	chr20_23048694
chr8	52940167	52940167	+	2.519E-38	3.21123E-36	0.39943	hyper	sig	chr8_52940167
chr20	23048697	23048697	+	2.526E-38	3.21954E-36	0.263922	hyper	sig	chr20_23048697
chr11	1.04E+08	104163490	+	2.535E-38	3.23081E-36	0.253211	hyper	sig	chr11_104163490
chr10	23191396	23191396	+	2.545E-38	3.242E-36	0.287179	hyper	sig	chr10_23191396
chr22	41449655	41449655	+	2.557E-38	3.25722E-36	-0.33142	hypo	sig	chr22_41449655
chr4	6028770	6028770	+	2.561E-38	3.26216E-36	-0.29935	hypo	sig	chr4_6028770
chr2	10042923	10042923	+	2.57E-38	3.27217E-36	0.272667	hyper	sig	chr2_10042923
chr12	85279525	85279525	+	2.576E-38	3.27965E-36	0.298158	hyper	sig	chr12_85279525
chr4	1.11E+08	110633868	+	2.579E-38	3.28356E-36	0.345159	hyper	sig	chr4_110633868
chr14	85534129	85534129	+	2.587E-38	3.29282E-36	0.4078	hyper	sig	chr14_85534129
chr2	5696198	5696198	+	2.587E-38	3.29291E-36	0.405833	hyper	sig	chr2_5696198
chr20	21517473	21517473	+	2.6E-38	3.30864E-36	0.375735	hyper	sig	chr20_21517473
chr5	2753632	2753632	+	2.61E-38	3.32067E-36	0.33839	hyper	sig	chr5_2753632
chr2	1.05E+08	104856643	+	2.611E-38	3.32149E-36	0.226346	hyper	sig	chr2_104856643
chr4	1.9E+08	190017935	+	2.626E-38	3.33956E-36	0.287694	hyper	sig	chr4_190017935
chr10	79242922	79242922	+	2.641E-38	3.35804E-36	0.349793	hyper	sig	chr10_79242922
chr17	52159431	52159431	+	2.641E-38	3.35804E-36	0.276306	hyper	sig	chr17_52159431
chr13	36432177	36432177	+	2.642E-38	3.35901E-36	0.30337	hyper	sig	chr13_36432177
chr22	39374429	39374429	+	2.646E-38	3.36325E-36	-0.26469	hypo	sig	chr22_39374429
chr14	1.04E+08	104223729	+	2.657E-38	3.37618E-36	0.27413	hyper	sig	chr14_104223729
chr8	54457705	54457705	+	2.658E-38	3.3777E-36	0.344905	hyper	sig	chr8_54457705
chr4	1.76E+08	176001602	+	2.679E-38	3.40351E-36	0.357191	hyper	sig	chr4_176001602
chr3	1.33E+08	133379024	+	2.684E-38	3.40861E-36	-0.33376	hypo	sig	chr3_133379024
chr11	31826972	31826972	+	2.732E-38	3.46947E-36	0.321652	hyper	sig	chr11_31826972

chr1	1.14E+08	114154346	+	2.734E-38	3.47082E-36	0.218761	hyper	sig	chr1_114154346
chr7	27106643	27106643	+	2.735E-38	3.47145E-36	0.264277	hyper	sig	chr7_27106643
chr2	1.13E+08	113275998	+	2.741E-38	3.47923E-36	0.304189	hyper	sig	chr2_113275998
chr2	1.15E+08	115163087	+	2.763E-38	3.50635E-36	0.330836	hyper	sig	chr2_115163087
chr8	11703054	11703054	+	2.763E-38	3.50635E-36	0.248556	hyper	sig	chr8_11703054
chr16	88416280	88416280	+	2.765E-38	3.50802E-36	-0.29862	hypo	sig	chr16_88416280
chr3	1.7E+08	169822441	+	2.772E-38	3.51558E-36	-0.44859	hypo	sig	chr3_169822441
chr8	64575732	64575732	+	2.775E-38	3.51965E-36	0.261014	hyper	sig	chr8_64575732
chr1	98046298	98046298	+	2.785E-38	3.5319E-36	0.252657	hyper	sig	chr1_98046298
chr1	3179790	3179790	+	2.795E-38	3.54393E-36	-0.26734	hypo	sig	chr1_3179790
chr15	89408973	89408973	+	2.798E-38	3.54718E-36	0.211337	hyper	sig	chr15_89408973
chr20	62310945	62310945	+	2.809E-38	3.55992E-36	-0.29377	hypo	sig	chr20_62310945
chr10	26215330	26215330	+	2.816E-38	3.5693E-36	0.350233	hyper	sig	chr10_26215330
chr7	27124252	27124252	+	2.823E-38	3.576E-36	0.267116	hyper	sig	chr7_27124252
chr15	52791423	52791423	+	2.823E-38	3.57649E-36	0.288094	hyper	sig	chr15_52791423
chr4	1.07E+08	107037415	+	2.835E-38	3.59011E-36	0.224587	hyper	sig	chr4_107037415
chr3	1.95E+08	195148087	+	2.835E-38	3.59052E-36	-0.30327	hypo	sig	chr3_195148087
chr1	1.62E+08	161621691	+	2.837E-38	3.59238E-36	0.238325	hyper	sig	chr1_161621691
chr2	88765400	88765400	+	2.858E-38	3.61789E-36	0.318545	hyper	sig	chr2_88765400
chr22	50045116	50045116	+	2.867E-38	3.62891E-36	-0.27898	hypo	sig	chr22_50045116
chr2	68319920	68319920	+	2.882E-38	3.64768E-36	0.432517	hyper	sig	chr2_68319920
chr16	85947689	85947689	+	2.889E-38	3.65566E-36	-0.3564	hypo	sig	chr16_85947689
chr2	2.31E+08	231394802	+	2.894E-38	3.66066E-36	0.306272	hyper	sig	chr2_231394802
chr7	97018547	97018547	+	2.9E-38	3.66792E-36	0.379404	hyper	sig	chr7_97018547
chr4	1.54E+08	154333410	+	2.901E-38	3.6695E-36	0.245438	hyper	sig	chr4_154333410
chr10	49610669	49610669	+	2.959E-38	3.74127E-36	0.295762	hyper	sig	chr10_49610669
chr17	45897555	45897555	+	2.961E-38	3.74419E-36	0.278324	hyper	sig	chr17_45897555
chr17	36464872	36464872	+	2.985E-38	3.773E-36	0.384934	hyper	sig	chr17_36464872
chr2	29921360	29921360	+	2.992E-38	3.78133E-36	0.40763	hyper	sig	chr2_29921360
chr13	1.12E+08	112073898	+	3.005E-38	3.79717E-36	0.304233	hyper	sig	chr13_112073898
chr1	1.19E+08	118987527	+	3.007E-38	3.79878E-36	0.282707	hyper	sig	chr1_118987527
chr14	92324236	92324236	+	3.077E-38	3.88642E-36	0.313013	hyper	sig	chr14_92324236
chr2	1.75E+08	174730023	+	3.099E-38	3.91388E-36	0.334429	hyper	sig	chr2_174730023
chr2	2.34E+08	233939024	+	3.113E-38	3.93155E-36	0.322871	hyper	sig	chr2_233939024
chr11	94769323	94769323	+	3.122E-38	3.9411E-36	0.229986	hyper	sig	chr11_94769323
chr18	37565398	37565398	+	3.136E-38	3.95848E-36	0.258537	hyper	sig	chr18_37565398
chr7	1.37E+08	136869150	+	3.136E-38	3.95848E-36	0.391368	hyper	sig	chr7_136869150
chr2	5692883	5692883	+	3.153E-38	3.97837E-36	0.335127	hyper	sig	chr2_5692883
chr2	2.4E+08	239805561	+	3.164E-38	3.99187E-36	-0.36224	hypo	sig	chr2_239805561
chr5	1444713	1444713	+	3.201E-38	4.03789E-36	0.288425	hyper	sig	chr5_1444713
chr11	20601739	20601739	+	3.214E-38	4.05361E-36	0.306125	hyper	sig	chr11_20601739
chr1	1.19E+08	118986283	+	3.215E-38	4.05417E-36	0.355296	hyper	sig	chr1_118986283
chr4	95548950	95548950	+	3.229E-38	4.07216E-36	0.458055	hyper	sig	chr4_95548950
chr4	13528684	13528684	+	3.232E-38	4.07425E-36	0.276573	hyper	sig	chr4_13528684
chr2	11612842	11612842	+	3.235E-38	4.07822E-36	-0.36411	hypo	sig	chr2_11612842
chr4	1.11E+08	110630884	+	3.267E-38	4.11819E-36	0.267436	hyper	sig	chr4_110630884
chr2	74516347	74516347	+	3.309E-38	4.16975E-36	0.270836	hyper	sig	chr2_74516347
chr10	1.09E+08	109456668	+	3.319E-38	4.18229E-36	0.31967	hyper	sig	chr10_109456668
chr19	57935377	57935377	+	3.327E-38	4.19112E-36	0.341686	hyper	sig	chr19_57935377
chr19	48414859	48414859	+	3.344E-38	4.21237E-36	0.467845	hyper	sig	chr19_48414859
chr10	1.31E+08	131312031	+	3.355E-38	4.22574E-36	0.379458	hyper	sig	chr10_131312031
chr10	1173486	1173486	+	3.359E-38	4.22989E-36	-0.32771	hypo	sig	chr10_1173486
chr12	1.04E+08	104303456	+	3.384E-38	4.26002E-36	0.320295	hyper	sig	chr12_104303456
chr2	2.33E+08	233060079	+	3.386E-38	4.26252E-36	-0.25562	hypo	sig	chr2_233060079
chr2	1.31E+08	131040039	+	3.392E-38	4.26928E-36	0.335873	hyper	sig	chr2_131040039
chr13	36345758	36345758	+	3.404E-38	4.28407E-36	0.359896	hyper	sig	chr13_36345758

chr1	2.28E+08	228341298	+	3.424E-38	4.30786E-36	-0.30369	hypo	sig	chr1_228341298
chr6	1.01E+08	101403484	+	3.427E-38	4.31128E-36	0.263799	hyper	sig	chr6_101403484
chr6	1.5E+08	149964577	+	3.432E-38	4.31677E-36	0.242893	hyper	sig	chr6_149964577
chr2	5697221	5697221	+	3.434E-38	4.31897E-36	0.334373	hyper	sig	chr2_5697221
chr1	1.59E+08	159170582	+	3.435E-38	4.31951E-36	-0.34289	hypo	sig	chr1_159170582
chr19	21463579	21463579	+	3.458E-38	4.34789E-36	0.325287	hyper	sig	chr19_21463579
chr10	8037253	8037253	+	3.488E-38	4.38481E-36	0.289274	hyper	sig	chr10_8037253
chr3	26622394	26622394	+	3.491E-38	4.38762E-36	0.323858	hyper	sig	chr3_26622394
chr5	77639255	77639255	+	3.5E-38	4.39837E-36	0.319782	hyper	sig	chr5_77639255
chr12	96489433	96489433	+	3.517E-38	4.41879E-36	0.229649	hyper	sig	chr12_96489433
chr4	1.33E+08	133147437	+	3.517E-38	4.41879E-36	0.290429	hyper	sig	chr4_133147437
chr11	47337492	47337492	+	3.526E-38	4.42851E-36	-0.31703	hypo	sig	chr11_47337492
chr3	43998030	43998030	+	3.526E-38	4.42851E-36	0.274973	hyper	sig	chr3_43998030
chr17	8056667	8056667	+	3.546E-38	4.45216E-36	-0.25333	hypo	sig	chr17_8056667
chr16	2183980	2183980	+	3.553E-38	4.46081E-36	-0.27589	hypo	sig	chr16_2183980
chr3	49657583	49657583	+	3.556E-38	4.46448E-36	-0.21748	hypo	sig	chr3_49657583
chr1	1.81E+08	181483605	+	3.57E-38	4.48082E-36	0.263465	hyper	sig	chr1_181483605
chr7	8442477	8442477	+	3.572E-38	4.4827E-36	0.332721	hyper	sig	chr7_8442477
chr14	56810121	56810121	+	3.587E-38	4.50125E-36	0.409102	hyper	sig	chr14_56810121
chr12	1.32E+08	132261023	+	3.59E-38	4.50327E-36	-0.32335	hypo	sig	chr12_132261023
chr5	1.35E+08	135029305	+	3.608E-38	4.52617E-36	0.42021	hyper	sig	chr5_135029305
chr10	1.16E+08	116272555	+	3.67E-38	4.60261E-36	0.242896	hyper	sig	chr10_116272555
chr16	1543414	1543414	+	3.676E-38	4.60914E-36	-0.38744	hypo	sig	chr16_1543414
chr6	1.5E+08	149964606	+	3.678E-38	4.61187E-36	0.273957	hyper	sig	chr6_149964606
chr2	1.19E+08	119432484	+	3.698E-38	4.63594E-36	-0.29356	hypo	sig	chr2_119432484
chr1	1.21E+08	121118394	+	3.7E-38	4.63752E-36	0.313787	hyper	sig	chr1_121118394
chr11	20601181	20601181	+	3.71E-38	4.64989E-36	0.279774	hyper	sig	chr11_20601181
chr6	10382544	10382544	+	3.742E-38	4.68918E-36	0.33483	hyper	sig	chr6_10382544
chr8	54466669	54466669	+	3.76E-38	4.71045E-36	0.268738	hyper	sig	chr8_54466669
chr7	27102450	27102450	+	3.818E-38	4.78188E-36	0.376799	hyper	sig	chr7_27102450
chr11	526431	526431	+	3.827E-38	4.79266E-36	-0.2818	hypo	sig	chr11_526431
chr12	1.13E+08	113476115	+	3.859E-38	4.83281E-36	0.306877	hyper	sig	chr12_113476115
chr16	88375758	88375758	+	3.868E-38	4.84267E-36	-0.29635	hypo	sig	chr16_88375758
chr8	52939886	52939886	+	3.871E-38	4.84529E-36	0.366513	hyper	sig	chr8_52939886
chr3	1.47E+08	147394563	+	3.892E-38	4.87182E-36	0.255211	hyper	sig	chr3_147394563
chr13	53200956	53200956	+	3.913E-38	4.89716E-36	0.294845	hyper	sig	chr13_53200956
chr11	2188909	2188909	+	3.927E-38	4.91365E-36	-0.26305	hypo	sig	chr11_2188909
chr20	21396359	21396359	+	3.928E-38	4.9143E-36	0.255236	hyper	sig	chr20_21396359
chr6	50724497	50724497	+	3.95E-38	4.94093E-36	0.255553	hyper	sig	chr6_50724497
chr15	25863538	25863538	+	3.987E-38	4.98615E-36	0.323704	hyper	sig	chr15_25863538
chr1	8347877	8347877	+	3.989E-38	4.98836E-36	-0.32328	hypo	sig	chr1_8347877
chr4	1.55E+08	155376483	+	4.026E-38	5.03426E-36	0.272527	hyper	sig	chr4_155376483
chr17	76948869	76948869	+	4.041E-38	5.05188E-36	-0.27878	hypo	sig	chr17_76948869
chr5	50441443	50441443	+	4.067E-38	5.08286E-36	0.207858	hyper	sig	chr5_50441443
chr9	98707690	98707690	+	4.068E-38	5.08394E-36	0.222876	hyper	sig	chr9_98707690
chr19	53521549	53521549	+	4.076E-38	5.09275E-36	0.293431	hyper	sig	chr19_53521549
chr10	1.03E+08	103458497	+	4.11E-38	5.13383E-36	0.309104	hyper	sig	chr10_103458497
chr20	56625341	56625341	+	4.114E-38	5.13833E-36	0.253528	hyper	sig	chr20_56625341
chr4	305047	305047	+	4.115E-38	5.13833E-36	0.3149	hyper	sig	chr4_305047
chr15	47184827	47184827	+	4.12E-38	5.1444E-36	0.224274	hyper	sig	chr15_47184827
chr7	24285357	24285357	+	4.121E-38	5.14444E-36	0.322833	hyper	sig	chr7_24285357
chr5	73444792	73444792	+	4.143E-38	5.17077E-36	0.376977	hyper	sig	chr5_73444792
chr2	1691498	1691498	+	4.156E-38	5.1872E-36	-0.35902	hypo	sig	chr2_1691498
chr11	1.16E+08	115659502	+	4.171E-38	5.20418E-36	0.28106	hyper	sig	chr11_115659502
chr1	1.19E+08	118987523	+	4.189E-38	5.2259E-36	0.252415	hyper	sig	chr1_118987523
chr12	72271549	72271549	+	4.206E-38	5.24658E-36	0.33589	hyper	sig	chr12_72271549

chr11	32429008	32429008	+	4.21E-38	5.25052E-36	0.301579	hyper	sig	chr11_32429008
chr9	970569	970569	+	4.228E-38	5.27265E-36	0.255828	hyper	sig	chr9_970569
chr19	44448605	44448605	+	4.232E-38	5.27611E-36	0.254599	hyper	sig	chr19_44448605
chr17	58157536	58157536	+	4.259E-38	5.30904E-36	0.31343	hyper	sig	chr17_58157536
chr8	24914831	24914831	+	4.282E-38	5.33717E-36	0.267345	hyper	sig	chr8_24914831
chr2	1.32E+08	132257169	+	4.311E-38	5.37297E-36	0.365691	hyper	sig	chr2_132257169
chr10	1.16E+08	116272533	+	4.315E-38	5.37628E-36	0.300093	hyper	sig	chr10_116272533
chr1	1.71E+08	170661355	+	4.321E-38	5.38304E-36	0.258659	hyper	sig	chr1_170661355
chr11	20601187	20601187	+	4.364E-38	5.43578E-36	0.280998	hyper	sig	chr11_20601187
chr3	1.47E+08	147423098	+	4.421E-38	5.50495E-36	0.271102	hyper	sig	chr3_147423098
chr6	29553334	29553334	+	4.42E-38	5.50495E-36	0.226125	hyper	sig	chr6_29553334
chr6	32072167	32072167	+	4.457E-38	5.54988E-36	-0.26436	hypo	sig	chr6_32072167
chr13	1.12E+08	112104074	+	4.485E-38	5.58339E-36	0.218851	hyper	sig	chr13_112104074
chr15	89377687	89377687	+	4.497E-38	5.59729E-36	0.235284	hyper	sig	chr15_89377687
chr7	1.17E+08	117322894	+	4.503E-38	5.60422E-36	0.375869	hyper	sig	chr7_117322894
chr12	1.14E+08	114400548	+	4.536E-38	5.64455E-36	0.297017	hyper	sig	chr12_114400548
chr15	83206951	83206951	+	4.553E-38	5.66492E-36	0.224993	hyper	sig	chr15_83206951
chr3	1.54E+08	154428687	+	4.594E-38	5.71539E-36	0.397862	hyper	sig	chr3_154428687
chr15	28097047	28097047	+	4.634E-38	5.76399E-36	0.206608	hyper	sig	chr15_28097047
chr1	1.19E+08	118992284	+	4.701E-38	5.8448E-36	0.2971	hyper	sig	chr1_118992284
chr18	25349241	25349241	+	4.701E-38	5.8448E-36	0.272434	hyper	sig	chr18_25349241
chr1	3651174	3651174	+	4.703E-38	5.84614E-36	0.300351	hyper	sig	chr1_3651174
chr17	81941442	81941442	+	4.712E-38	5.85592E-36	-0.33245	hypo	sig	chr17_81941442
chr14	1.04E+08	104223771	+	4.736E-38	5.88459E-36	0.277378	hyper	sig	chr14_104223771
chr1	1117614	1117614	+	4.741E-38	5.88996E-36	-0.25803	hypo	sig	chr1_1117614
chr11	68843157	68843157	+	4.742E-38	5.89068E-36	-0.2177	hypo	sig	chr11_68843157
chr10	1.29E+08	128540322	+	4.745E-38	5.89312E-36	0.281661	hyper	sig	chr10_128540322
chr14	26598887	26598887	+	4.768E-38	5.92071E-36	0.318231	hyper	sig	chr14_26598887
chr5	3590534	3590534	+	4.768E-38	5.92071E-36	0.313354	hyper	sig	chr5_3590534
chr5	5139690	5139690	+	4.818E-38	5.98192E-36	0.316415	hyper	sig	chr5_5139690
chr1	1.19E+08	119006225	+	4.83E-38	5.99567E-36	0.347007	hyper	sig	chr1_119006225
chr12	4909632	4909632	+	4.847E-38	6.01536E-36	0.264172	hyper	sig	chr12_4909632
chr6	30260368	30260368	+	4.867E-38	6.03966E-36	0.216326	hyper	sig	chr6_30260368
chr1	38578494	38578494	+	4.882E-38	6.05718E-36	0.233755	hyper	sig	chr1_38578494
chr2	1.28E+08	127681370	+	4.889E-38	6.06504E-36	-0.35105	hypo	sig	chr2_127681370
chr8	84182588	84182588	+	4.975E-38	6.17056E-36	0.284709	hyper	sig	chr8_84182588
chr10	1182529	1182529	+	4.978E-38	6.17356E-36	-0.27023	hypo	sig	chr10_1182529
chr4	80268675	80268675	+	5.001E-38	6.20066E-36	0.298668	hyper	sig	chr4_80268675
chr1	1.45E+08	144567562	+	5.006E-38	6.20608E-36	0.391226	hyper	sig	chr1_144567562
chr20	37522707	37522707	+	5.019E-38	6.22159E-36	-0.30165	hypo	sig	chr20_37522707
chr1	3747253	3747253	+	5.02E-38	6.22192E-36	0.281926	hyper	sig	chr1_3747253
chr10	1.01E+08	101062106	+	5.028E-38	6.23056E-36	-0.42819	hypo	sig	chr10_101062106
chr4	41748445	41748445	+	5.05E-38	6.25589E-36	0.242459	hyper	sig	chr4_41748445
chr10	23693650	23693650	+	5.064E-38	6.27106E-36	0.266873	hyper	sig	chr10_23693650
chr10	1.01E+08	101223701	+	5.063E-38	6.27106E-36	0.25829	hyper	sig	chr10_101223701
chr7	24285347	24285347	+	5.064E-38	6.27106E-36	0.327211	hyper	sig	chr7_24285347
chr10	1.05E+08	104641577	+	5.085E-38	6.29611E-36	0.334344	hyper	sig	chr10_104641577
chr1	1.71E+08	170661413	+	5.107E-38	6.32137E-36	0.254454	hyper	sig	chr1_170661413
chr7	2572256	2572256	+	5.114E-38	6.32995E-36	-0.32455	hypo	sig	chr7_2572256
chr10	11165989	11165989	+	5.118E-38	6.33381E-36	0.304843	hyper	sig	chr10_11165989
chr8	64587352	64587352	+	5.136E-38	6.35478E-36	0.327772	hyper	sig	chr8_64587352
chr1	99004533	99004533	+	5.146E-38	6.36664E-36	0.382565	hyper	sig	chr1_99004533
chr6	3270332	3270332	+	5.158E-38	6.38069E-36	-0.30173	hypo	sig	chr6_3270332
chr20	38728198	38728198	+	5.16E-38	6.38213E-36	0.317444	hyper	sig	chr20_38728198
chr7	1.56E+08	155795795	+	5.171E-38	6.39454E-36	-0.32151	hypo	sig	chr7_155795795
chr10	593985	593985	+	5.194E-38	6.42177E-36	-0.29363	hypo	sig	chr10_593985

chr16	918024	918024	+	5.212E-38	6.44274E-36	0.259092	hyper	sig	chr16_918024
chr10	1.01E+08	101134623	+	5.231E-38	6.46561E-36	0.20736	hyper	sig	chr10_101134623
chr14	41605679	41605679	+	5.248E-38	6.4858E-36	0.295614	hyper	sig	chr14_41605679
chr12	72273965	72273965	+	5.25E-38	6.48697E-36	0.337178	hyper	sig	chr12_72273965
chr11	1.29E+08	128693149	+	5.293E-38	6.53962E-36	0.204588	hyper	sig	chr11_128693149
chr19	7879996	7879996	+	5.34E-38	6.59581E-36	-0.3072	hypo	sig	chr19_7879996
chr9	97848415	97848415	+	5.354E-38	6.61307E-36	0.439883	hyper	sig	chr9_97848415
chr21	32586124	32586124	+	5.415E-38	6.68627E-36	-0.46927	hypo	sig	chr21_32586124
chr7	24284326	24284326	+	5.423E-38	6.69585E-36	0.303301	hyper	sig	chr7_24284326
chr5	1.71E+08	171308244	+	5.484E-38	6.76985E-36	0.264961	hyper	sig	chr5_171308244
chr16	86580009	86580009	+	5.5E-38	6.789E-36	0.30764	hyper	sig	chr16_86580009
chr19	57192003	57192003	+	5.564E-38	6.86683E-36	0.205054	hyper	sig	chr19_57192003
chr19	21852021	21852021	+	5.572E-38	6.87543E-36	0.20911	hyper	sig	chr19_21852021
chr20	671603	671603	+	5.577E-38	6.88047E-36	-0.3291	hypo	sig	chr20_671603
chr11	1.25E+08	125167386	+	5.595E-38	6.90161E-36	0.262394	hyper	sig	chr11_125167386
chr19	55496148	55496148	+	5.607E-38	6.91601E-36	-0.4156	hypo	sig	chr19_55496148
chr3	48661606	48661606	+	5.65E-38	6.96697E-36	0.250487	hyper	sig	chr3_48661606
chr13	36430741	36430741	+	5.652E-38	6.96911E-36	0.314354	hyper	sig	chr13_36430741
chr3	1.47E+08	147359719	+	5.658E-38	6.97507E-36	0.271043	hyper	sig	chr3_147359719
chr11	43581370	43581370	+	5.687E-38	7.00987E-36	0.284543	hyper	sig	chr11_43581370
chr6	28817282	28817282	+	5.71E-38	7.03716E-36	0.273381	hyper	sig	chr6_28817282
chr10	1.33E+08	133229985	+	5.713E-38	7.04004E-36	0.273278	hyper	sig	chr10_133229985
chr2	1.19E+08	118845519	+	5.716E-38	7.04207E-36	0.310369	hyper	sig	chr2_118845519
chr14	60510653	60510653	+	5.751E-38	7.08427E-36	0.292416	hyper	sig	chr14_60510653
chr12	1.14E+08	114441193	+	5.763E-38	7.09879E-36	0.287623	hyper	sig	chr12_114441193
chr14	68796787	68796787	+	5.77E-38	7.10531E-36	-0.34084	hypo	sig	chr14_68796787
chr18	79426556	79426556	+	5.791E-38	7.13006E-36	-0.34092	hypo	sig	chr18_79426556
chr5	1973690	1973690	+	5.838E-38	7.18763E-36	-0.27703	hypo	sig	chr5_1973690
chr2	1.13E+08	113275938	+	5.849E-38	7.19925E-36	0.308884	hyper	sig	chr2_113275938
chr14	85531175	85531175	+	5.956E-38	7.32995E-36	0.374408	hyper	sig	chr14_85531175
chr11	278437	278437	+	5.973E-38	7.35072E-36	-0.30554	hypo	sig	chr11_278437
chr16	86513943	86513943	+	5.976E-38	7.35269E-36	0.382151	hyper	sig	chr16_86513943
chr16	51151128	51151128	+	5.986E-38	7.36407E-36	0.468088	hyper	sig	chr16_51151128
chr7	27101448	27101448	+	6.007E-38	7.38826E-36	0.258003	hyper	sig	chr7_27101448
chr19	56393644	56393644	+	6.017E-38	7.40004E-36	0.228446	hyper	sig	chr19_56393644
chr10	55628373	55628373	+	6.028E-38	7.41168E-36	0.31539	hyper	sig	chr10_55628373
chr8	53877069	53877069	+	6.15E-38	7.56099E-36	0.3683	hyper	sig	chr8_53877069
chr10	7411434	7411434	+	6.156E-38	7.56741E-36	0.266414	hyper	sig	chr10_7411434
chr20	24470896	24470896	+	6.172E-38	7.5863E-36	0.270555	hyper	sig	chr20_24470896
chr4	54101256	54101256	+	6.23E-38	7.65568E-36	0.318828	hyper	sig	chr4_54101256
chr13	1.02E+08	101916534	+	6.366E-38	7.82045E-36	0.314626	hyper	sig	chr13_101916534
chr10	3538925	3538925	+	6.385E-38	7.84241E-36	-0.25238	hypo	sig	chr10_3538925
chr16	86578942	86578942	+	6.386E-38	7.84341E-36	0.352915	hyper	sig	chr16_86578942
chr1	2.08E+08	207645224	+	6.388E-38	7.84381E-36	0.388723	hyper	sig	chr1_207645224
chr17	5097506	5097506	+	6.404E-38	7.86265E-36	0.318797	hyper	sig	chr17_5097506
chr2	1.81E+08	181457128	+	6.411E-38	7.87004E-36	0.240443	hyper	sig	chr2_181457128
chr1	18632434	18632434	+	6.422E-38	7.88286E-36	0.323357	hyper	sig	chr1_18632434
chr12	1.17E+08	117033926	+	6.456E-38	7.92222E-36	0.31432	hyper	sig	chr12_117033926
chr4	13529503	13529503	+	6.456E-38	7.92222E-36	0.255069	hyper	sig	chr4_13529503
chr16	77788490	77788490	+	6.466E-38	7.93269E-36	0.269626	hyper	sig	chr16_77788490
chr4	1.25E+08	125316446	+	6.478E-38	7.94623E-36	0.309503	hyper	sig	chr4_125316446
chr17	41583640	41583640	+	6.547E-38	8.0281E-36	-0.2944	hypo	sig	chr17_41583640
chr20	21516046	21516046	+	6.55E-38	8.03147E-36	0.269137	hyper	sig	chr20_21516046
chr11	1040307	1040307	+	6.636E-38	8.13527E-36	-0.34826	hypo	sig	chr11_1040307
chr13	78595737	78595737	+	6.697E-38	8.20905E-36	0.308055	hyper	sig	chr13_78595737
chr8	79611226	79611226	+	6.711E-38	8.22521E-36	0.30583	hyper	sig	chr8_79611226

chr4	3750581	3750581	+	6.756E-38	8.2783E-36	-0.30994	hypo	sig	chr4_3750581
chr8	23710145	23710145	+	6.772E-38	8.2972E-36	0.30089	hyper	sig	chr8_23710145
chr19	21463548	21463548	+	6.808E-38	8.34038E-36	0.346425	hyper	sig	chr19_21463548
chr13	23160624	23160624	+	6.848E-38	8.38744E-36	0.409162	hyper	sig	chr13_23160624
chr5	1.41E+08	141431583	+	6.858E-38	8.39903E-36	0.310759	hyper	sig	chr5_141431583
chr5	77638868	77638868	+	6.863E-38	8.40386E-36	0.266021	hyper	sig	chr5_77638868
chr12	54047316	54047316	+	6.897E-38	8.44417E-36	0.326222	hyper	sig	chr12_54047316
chr1	2923693	2923693	+	6.912E-38	8.46107E-36	-0.31795	hypo	sig	chr1_2923693
chr16	86568789	86568789	+	6.932E-38	8.48249E-36	0.284304	hyper	sig	chr16_86568789
chr20	21514324	21514324	+	6.976E-38	8.53521E-36	0.408349	hyper	sig	chr20_21514324
chr14	88326686	88326686	+	6.995E-38	8.55706E-36	0.225577	hyper	sig	chr14_88326686
chr10	55627857	55627857	+	7.015E-38	8.58011E-36	0.292153	hyper	sig	chr10_55627857
chr6	10882892	10882892	+	7.075E-38	8.65066E-36	0.321179	hyper	sig	chr6_10882892
chr13	53202197	53202197	+	7.131E-38	8.71778E-36	0.30317	hyper	sig	chr13_53202197
chr13	1.12E+08	112105446	+	7.183E-38	8.78044E-36	0.384876	hyper	sig	chr13_112105446
chr10	7173379	7173379	+	7.184E-38	8.78057E-36	-0.35113	hypo	sig	chr10_7173379
chr11	313354	313354	+	7.193E-38	8.78944E-36	-0.30523	hypo	sig	chr11_313354
chr20	21516853	21516853	+	7.192E-38	8.78944E-36	0.328964	hyper	sig	chr20_21516853
chr19	7880058	7880058	+	7.237E-38	8.84166E-36	-0.38759	hypo	sig	chr19_7880058
chr8	2046455	2046455	+	7.259E-38	8.86648E-36	-0.28248	hypo	sig	chr8_2046455
chr8	54454953	54454953	+	7.286E-38	8.8985E-36	0.262326	hyper	sig	chr8_54454953
chr11	32438054	32438054	+	7.386E-38	9.01904E-36	0.310946	hyper	sig	chr11_32438054
chr13	1.1E+08	109781291	+	7.461E-38	9.1096E-36	-0.29568	hypo	sig	chr13_109781291
chr5	1.41E+08	140795353	+	7.462E-38	9.1096E-36	0.304306	hyper	sig	chr5_140795353
chr3	1.47E+08	147412690	+	7.464E-38	9.11027E-36	0.331569	hyper	sig	chr3_147412690
chr10	81875571	81875571	+	7.467E-38	9.11328E-36	0.26235	hyper	sig	chr10_81875571
chr3	49686113	49686113	+	7.512E-38	9.16645E-36	0.316618	hyper	sig	chr3_49686113
chr6	29792681	29792681	+	7.521E-38	9.1754E-36	0.25146	hyper	sig	chr6_29792681
chr8	26049771	26049771	+	7.531E-38	9.18676E-36	0.267968	hyper	sig	chr8_26049771
chr17	80446333	80446333	+	7.568E-38	9.22987E-36	-0.322	hypo	sig	chr17_80446333
chr2	29920826	29920826	+	7.672E-38	9.35589E-36	0.326418	hyper	sig	chr2_29920826
chr16	49278042	49278042	+	7.745E-38	9.4438E-36	0.336077	hyper	sig	chr16_49278042
chr7	1.56E+08	155803683	+	7.747E-38	9.44489E-36	0.303382	hyper	sig	chr7_155803683
chr1	2E+08	200038359	+	7.792E-38	9.49812E-36	0.375963	hyper	sig	chr1_200038359
chr4	1.55E+08	154742481	+	7.807E-38	9.5146E-36	0.335976	hyper	sig	chr4_154742481
chr2	23616964	23616964	+	7.824E-38	9.53379E-36	-0.26327	hypo	sig	chr2_23616964
chr17	9918235	9918235	+	7.866E-38	9.5835E-36	-0.24243	hypo	sig	chr17_9918235
chr7	1.57E+08	157004310	+	7.879E-38	9.59839E-36	0.282604	hyper	sig	chr7_157004310
chr4	61201627	61201627	+	7.91E-38	9.63419E-36	0.300854	hyper	sig	chr4_61201627
chr14	69850308	69850308	+	7.936E-38	9.66414E-36	-0.41449	hypo	sig	chr14_69850308
chr1	1.71E+08	170661407	+	7.954E-38	9.68517E-36	0.251647	hyper	sig	chr1_170661407
chr4	1.11E+08	110634297	+	7.99E-38	9.72779E-36	0.286192	hyper	sig	chr4_110634297
chr14	28778396	28778396	+	8.045E-38	9.79308E-36	0.307316	hyper	sig	chr14_28778396
chr10	55628523	55628523	+	8.05E-38	9.79783E-36	0.251898	hyper	sig	chr10_55628523
chr16	88691212	88691212	+	8.093E-38	9.84876E-36	-0.28794	hypo	sig	chr16_88691212
chr5	5139653	5139653	+	8.116E-38	9.87452E-36	0.366494	hyper	sig	chr5_5139653
chr1	6276524	6276524	+	8.14E-38	9.90226E-36	0.289501	hyper	sig	chr1_6276524
chr18	79782985	79782985	+	8.15E-38	9.91378E-36	-0.24444	hypo	sig	chr18_79782985
chr16	10183391	10183391	+	8.3E-38	1.00945E-35	0.208482	hyper	sig	chr16_10183391
chr5	1.41E+08	141236821	+	8.349E-38	1.01526E-35	0.317367	hyper	sig	chr5_141236821
chr7	35262309	35262309	+	8.351E-38	1.01535E-35	0.348832	hyper	sig	chr7_35262309
chr19	48444374	48444374	+	8.382E-38	1.01895E-35	0.321358	hyper	sig	chr19_48444374
chr13	25046954	25046954	+	8.436E-38	1.02541E-35	0.363825	hyper	sig	chr13_25046954
chr2	44943183	44943183	+	8.449E-38	1.02681E-35	0.334901	hyper	sig	chr2_44943183
chr10	1.33E+08	133230013	+	8.511E-38	1.03414E-35	0.263326	hyper	sig	chr10_133230013
chr5	1.41E+08	141403188	+	8.521E-38	1.03525E-35	0.273491	hyper	sig	chr5_141403188

chr5	1.79E+08	179138898	+	8.523E-38	1.03532E-35	-0.22385	hypo	sig	chr5_179138898
chr13	78607991	78607991	+	8.601E-38	1.04469E-35	0.337801	hyper	sig	chr13_78607991
chr6	1E+08	100464088	+	8.61E-38	1.04561E-35	0.252038	hyper	sig	chr6_100464088
chr13	35479027	35479027	+	8.635E-38	1.04846E-35	0.303726	hyper	sig	chr13_35479027
chr2	2.13E+08	212536805	+	8.656E-38	1.0509E-35	0.352125	hyper	sig	chr2_212536805
chr8	11703061	11703061	+	8.666E-38	1.05186E-35	0.250811	hyper	sig	chr8_11703061
chr10	11164905	11164905	+	8.668E-38	1.052E-35	0.30902	hyper	sig	chr10_11164905
chr17	64777449	64777449	+	8.687E-38	1.05418E-35	0.303021	hyper	sig	chr17_64777449
chr5	1883149	1883149	+	8.711E-38	1.05687E-35	0.258499	hyper	sig	chr5_1883149
chr22	39646612	39646612	+	8.722E-38	1.0581E-35	-0.38428	hypo	sig	chr22_39646612
chr10	16520597	16520597	+	8.809E-38	1.0684E-35	0.240158	hyper	sig	chr10_16520597
chr1	3651086	3651086	+	8.895E-38	1.07869E-35	0.334339	hyper	sig	chr1_3651086
chr1	2.09E+08	209235212	+	8.914E-38	1.08089E-35	-0.29268	hypo	sig	chr1_209235212
chr7	97022841	97022841	+	8.937E-38	1.08354E-35	0.241634	hyper	sig	chr7_97022841
chr7	27106650	27106650	+	8.975E-38	1.0879E-35	0.259841	hyper	sig	chr7_27106650
chr4	1.55E+08	155376464	+	9.031E-38	1.09457E-35	0.308507	hyper	sig	chr4_155376464
chr5	1.59E+08	159097331	+	9.096E-38	1.10232E-35	0.346033	hyper	sig	chr5_159097331
chr13	27793682	27793682	+	9.1E-38	1.10265E-35	0.398207	hyper	sig	chr13_27793682
chr8	68330695	68330695	+	9.11E-38	1.10359E-35	0.278675	hyper	sig	chr8_68330695
chr17	82342457	82342457	+	9.131E-38	1.10607E-35	-0.35924	hypo	sig	chr17_82342457
chr18	909153	909153	+	9.135E-38	1.1063E-35	0.340488	hyper	sig	chr18_909153
chr7	2570181	2570181	+	9.169E-38	1.11025E-35	-0.3617	hypo	sig	chr7_2570181
chr2	1.37E+08	136766092	+	9.177E-38	1.11113E-35	0.309041	hyper	sig	chr2_136766092
chr6	50851154	50851154	+	9.218E-38	1.11595E-35	0.26916	hyper	sig	chr6_50851154
chr7	1.3E+08	129778641	+	9.282E-38	1.12347E-35	0.32792	hyper	sig	chr7_129778641
chr10	11166014	11166014	+	9.301E-38	1.12542E-35	0.308513	hyper	sig	chr10_11166014
chr16	86516338	86516338	+	9.301E-38	1.12542E-35	0.236606	hyper	sig	chr16_86516338
chr7	27124265	27124265	+	9.309E-38	1.12626E-35	0.256785	hyper	sig	chr7_27124265
chr6	3899975	3899975	+	9.348E-38	1.13077E-35	-0.37917	hypo	sig	chr6_3899975
chr2	66432961	66432961	+	9.489E-38	1.1477E-35	0.221191	hyper	sig	chr2_66432961
chr1	1.6E+08	159929891	+	9.502E-38	1.14911E-35	-0.28927	hypo	sig	chr1_159929891
chr13	77918781	77918781	+	9.57E-38	1.15716E-35	0.346452	hyper	sig	chr13_77918781
chr2	31137862	31137862	+	9.578E-38	1.1579E-35	0.271163	hyper	sig	chr2_31137862
chr3	1.85E+08	184583490	+	9.585E-38	1.15855E-35	0.339705	hyper	sig	chr3_184583490
chr17	796867	796867	+	9.607E-38	1.16113E-35	-0.33888	hypo	sig	chr17_796867
chr22	46076633	46076633	+	9.701E-38	1.17221E-35	-0.32262	hypo	sig	chr22_46076633
chr9	91421071	91421071	+	9.749E-38	1.17789E-35	0.262676	hyper	sig	chr9_91421071
chr22	31618425	31618425	+	9.849E-38	1.18982E-35	0.256821	hyper	sig	chr22_31618425
chr3	1.95E+08	195148114	+	9.901E-38	1.19591E-35	-0.28813	hypo	sig	chr3_195148114
chr20	21396324	21396324	+	9.908E-38	1.19657E-35	0.283723	hyper	sig	chr20_21396324
chr16	62036461	62036461	+	9.953E-38	1.2018E-35	0.34292	hyper	sig	chr16_62036461
chr9	37026742	37026742	+	9.988E-38	1.20583E-35	0.329101	hyper	sig	chr9_37026742
chr21	33027030	33027030	+	1.001E-37	1.20894E-35	0.272091	hyper	sig	chr21_33027030
chr6	1.68E+08	167678231	+	1.009E-37	1.21768E-35	0.335898	hyper	sig	chr6_167678231
chr19	57355699	57355699	+	1.017E-37	1.22756E-35	-0.41648	hypo	sig	chr19_57355699
chr6	6004676	6004676	+	1.02E-37	1.23075E-35	0.268427	hyper	sig	chr6_6004676
chr2	1.19E+08	118849495	+	1.025E-37	1.23612E-35	0.259257	hyper	sig	chr2_118849495
chr2	97710082	97710082	+	1.027E-37	1.23901E-35	-0.23606	hypo	sig	chr2_97710082
chr6	1.01E+08	101398990	+	1.029E-37	1.24134E-35	0.318136	hyper	sig	chr6_101398990
chr7	2509154	2509154	+	1.034E-37	1.24693E-35	-0.25759	hypo	sig	chr7_2509154
chr14	97219059	97219059	+	1.04E-37	1.25392E-35	0.202995	hyper	sig	chr14_97219059
chr7	97007481	97007481	+	1.047E-37	1.26153E-35	0.264166	hyper	sig	chr7_97007481
chr12	56000370	56000370	+	1.049E-37	1.26403E-35	-0.43708	hypo	sig	chr12_56000370
chr7	2733434	2733434	+	1.05E-37	1.26496E-35	-0.26736	hypo	sig	chr7_2733434
chr7	2570143	2570143	+	1.058E-37	1.27479E-35	-0.40427	hypo	sig	chr7_2570143
chr4	1.74E+08	173519396	+	1.063E-37	1.28072E-35	0.251703	hyper	sig	chr4_173519396

chr12	1.14E+08	114403067	+	1.065E-37	1.28306E-35	0.297207	hyper	sig	chr12_114403067
chr5	1.41E+08	141421204	+	1.065E-37	1.28306E-35	0.313416	hyper	sig	chr5_141421204
chr4	1.04E+08	103719967	+	1.07E-37	1.28832E-35	0.300374	hyper	sig	chr4_103719967
chr21	29940289	29940289	+	1.071E-37	1.28951E-35	0.340118	hyper	sig	chr21_29940289
chr2	5691071	5691071	+	1.073E-37	1.29088E-35	0.299993	hyper	sig	chr2_5691071
chr2	1.27E+08	126656421	+	1.078E-37	1.29724E-35	0.361733	hyper	sig	chr2_126656421
chr15	79091499	79091499	+	1.081E-37	1.30104E-35	0.218921	hyper	sig	chr15_79091499
chr16	85947765	85947765	+	1.083E-37	1.30317E-35	-0.3699	hypo	sig	chr16_85947765
chr13	77918794	77918794	+	1.084E-37	1.30423E-35	0.361252	hyper	sig	chr13_77918794
chr20	21706757	21706757	+	1.087E-37	1.30767E-35	0.315282	hyper	sig	chr20_21706757
chr16	49278023	49278023	+	1.089E-37	1.30934E-35	0.317782	hyper	sig	chr16_49278023
chr4	1.76E+08	176065866	+	1.096E-37	1.31773E-35	0.279162	hyper	sig	chr4_176065866
chr10	22345349	22345349	+	1.098E-37	1.31946E-35	0.324426	hyper	sig	chr10_22345349
chr14	36513494	36513494	+	1.098E-37	1.31946E-35	0.267626	hyper	sig	chr14_36513494
chr7	1.58E+08	158451038	+	1.099E-37	1.32117E-35	-0.29109	hypo	sig	chr7_158451038
chr10	99233832	99233832	+	1.101E-37	1.32268E-35	0.219448	hyper	sig	chr10_99233832
chr16	30090359	30090359	+	1.106E-37	1.32905E-35	-0.27655	hypo	sig	chr16_30090359
chr3	1.82E+08	181696449	+	1.108E-37	1.33118E-35	0.2261	hyper	sig	chr3_181696449
chr5	1444716	1444716	+	1.111E-37	1.33411E-35	0.295508	hyper	sig	chr5_1444716
chr17	48621521	48621521	+	1.116E-37	1.34031E-35	-0.34084	hypo	sig	chr17_48621521
chr6	6003020	6003020	+	1.117E-37	1.34091E-35	0.266302	hyper	sig	chr6_6003020
chr2	63055554	63055554	+	1.118E-37	1.34225E-35	0.281369	hyper	sig	chr2_63055554
chr10	1.33E+08	133045344	+	1.121E-37	1.34563E-35	-0.26183	hypo	sig	chr10_133045344
chr15	82681107	82681107	+	1.121E-37	1.34573E-35	0.368772	hyper	sig	chr15_82681107
chr13	1.12E+08	112074035	+	1.132E-37	1.35841E-35	0.243765	hyper	sig	chr13_112074035
chr5	1.41E+08	141121739	+	1.133E-37	1.35927E-35	0.362226	hyper	sig	chr5_141121739
chr1	2E+08	200038395	+	1.136E-37	1.36298E-35	0.393897	hyper	sig	chr1_200038395
chr15	83283966	83283966	+	1.137E-37	1.36401E-35	0.376848	hyper	sig	chr15_83283966
chr15	25863660	25863660	+	1.141E-37	1.3683E-35	0.273554	hyper	sig	chr15_25863660
chr6	1.5E+08	149964516	+	1.146E-37	1.37387E-35	0.216279	hyper	sig	chr6_149964516
chr8	26051783	26051783	+	1.147E-37	1.37469E-35	0.245688	hyper	sig	chr8_26051783
chr1	10635928	10635928	+	1.151E-37	1.3802E-35	-0.30149	hypo	sig	chr1_10635928
chr11	70457460	70457460	+	1.161E-37	1.39148E-35	-0.25893	hypo	sig	chr11_70457460
chr19	57320995	57320995	+	1.161E-37	1.39148E-35	0.262319	hyper	sig	chr19_57320995
chr5	1.35E+08	135029284	+	1.162E-37	1.39192E-35	0.371313	hyper	sig	chr5_135029284
chr17	48727001	48727001	+	1.169E-37	1.4002E-35	0.28358	hyper	sig	chr17_48727001
chr2	88765324	88765324	+	1.173E-37	1.40505E-35	0.343825	hyper	sig	chr2_88765324
chr19	53308735	53308735	+	1.175E-37	1.40757E-35	0.315156	hyper	sig	chr19_53308735
chr6	10882880	10882880	+	1.175E-37	1.40757E-35	0.303975	hyper	sig	chr6_10882880
chr4	912098	912098	+	1.186E-37	1.42014E-35	-0.31137	hypo	sig	chr4_912098
chr11	67989844	67989844	+	1.188E-37	1.42231E-35	-0.31517	hypo	sig	chr11_67989844
chr4	4862872	4862872	+	1.2E-37	1.43627E-35	0.289017	hyper	sig	chr4_4862872
chr8	64378713	64378713	+	1.2E-37	1.43643E-35	0.298266	hyper	sig	chr8_64378713
chr19	22010531	22010531	+	1.206E-37	1.44319E-35	0.330965	hyper	sig	chr19_22010531
chr4	1.11E+08	110614439	+	1.207E-37	1.44453E-35	0.369625	hyper	sig	chr4_110614439
chr8	42499119	42499119	+	1.21E-37	1.44728E-35	0.266535	hyper	sig	chr8_42499119
chr8	1.16E+08	115648460	+	1.215E-37	1.45351E-35	0.308922	hyper	sig	chr8_115648460
chr2	44933267	44933267	+	1.218E-37	1.45693E-35	0.294782	hyper	sig	chr2_44933267
chr6	1E+08	100448980	+	1.234E-37	1.47597E-35	0.30642	hyper	sig	chr6_100448980
chr10	93065802	93065802	+	1.254E-37	1.49929E-35	0.28927	hyper	sig	chr10_93065802
chr10	25933993	25933993	+	1.257E-37	1.50282E-35	0.225556	hyper	sig	chr10_25933993
chr14	36513492	36513492	+	1.266E-37	1.51353E-35	0.27193	hyper	sig	chr14_36513492
chr1	3550622	3550622	+	1.27E-37	1.51759E-35	-0.28468	hypo	sig	chr1_3550622
chr6	1E+08	100463716	+	1.27E-37	1.51798E-35	0.211148	hyper	sig	chr6_100463716
chr10	1.31E+08	131310982	+	1.274E-37	1.52152E-35	0.276319	hyper	sig	chr10_131310982
chr4	1.9E+08	190020619	+	1.274E-37	1.52179E-35	0.288969	hyper	sig	chr4_190020619

chr13	1.02E+08	102401072	+	1.276E-37	1.52379E-35	0.216146	hyper	sig	chr13_102401072
chr10	1.32E+08	132205500	+	1.278E-37	1.52649E-35	-0.26693	hypo	sig	chr10_132205500
chr4	1405335	1405335	+	1.286E-37	1.53493E-35	0.43171	hyper	sig	chr4_1405335
chr1	3651096	3651096	+	1.295E-37	1.54562E-35	0.294849	hyper	sig	chr1_3651096
chr16	86515259	86515259	+	1.296E-37	1.54658E-35	0.31549	hyper	sig	chr16_86515259
chr4	1.09E+08	109302442	+	1.299E-37	1.55042E-35	0.251347	hyper	sig	chr4_109302442
chr15	25863516	25863516	+	1.311E-37	1.56465E-35	0.33038	hyper	sig	chr15_25863516
chr15	28097037	28097037	+	1.316E-37	1.57E-35	0.2014	hyper	sig	chr15_28097037
chr1	9721265	9721265	+	1.324E-37	1.57939E-35	-0.33407	hypo	sig	chr1_9721265
chr13	1.01E+08	101416877	+	1.329E-37	1.5851E-35	0.282471	hyper	sig	chr13_101416877
chr14	94773139	94773139	+	1.33E-37	1.58563E-35	0.278156	hyper	sig	chr14_94773139
chr13	1.1E+08	110379808	+	1.33E-37	1.58651E-35	-0.33211	hypo	sig	chr13_110379808
chr4	1.55E+08	154742388	+	1.333E-37	1.58893E-35	0.405158	hyper	sig	chr4_154742388
chr17	35487857	35487857	+	1.337E-37	1.59421E-35	0.251957	hyper	sig	chr17_35487857
chr14	1.02E+08	101781264	+	1.338E-37	1.59531E-35	0.200623	hyper	sig	chr14_101781264
chr7	1.57E+08	157003206	+	1.342E-37	1.59947E-35	0.341493	hyper	sig	chr7_157003206
chr2	23616840	23616840	+	1.344E-37	1.60111E-35	-0.28587	hypo	sig	chr2_23616840
chr11	1.02E+08	101583952	+	1.345E-37	1.60271E-35	0.359871	hyper	sig	chr11_101583952
chr3	1.47E+08	147388749	+	1.346E-37	1.6028E-35	0.302923	hyper	sig	chr3_147388749
chr19	20661274	20661274	+	1.348E-37	1.60526E-35	0.340904	hyper	sig	chr19_20661274
chr2	26342906	26342906	+	1.349E-37	1.60622E-35	-0.34465	hypo	sig	chr2_26342906
chr15	28832181	28832181	+	1.351E-37	1.60813E-35	0.27167	hyper	sig	chr15_28832181
chr8	54466708	54466708	+	1.351E-37	1.60813E-35	0.276657	hyper	sig	chr8_54466708
chr8	54457863	54457863	+	1.357E-37	1.6156E-35	0.313029	hyper	sig	chr8_54457863
chr20	21396369	21396369	+	1.363E-37	1.62222E-35	0.248993	hyper	sig	chr20_21396369
chr13	52848207	52848207	+	1.386E-37	1.6487E-35	0.317452	hyper	sig	chr13_52848207
chr17	79185456	79185456	+	1.386E-37	1.6489E-35	-0.32111	hypo	sig	chr17_79185456
chr10	1.28E+08	127737626	+	1.39E-37	1.6534E-35	0.29575	hyper	sig	chr10_127737626
chr5	1.71E+08	171310265	+	1.404E-37	1.66989E-35	0.208202	hyper	sig	chr5_171310265
chr5	42993940	42993940	+	1.407E-37	1.6723E-35	0.319345	hyper	sig	chr5_42993940
chr17	81158139	81158139	+	1.407E-37	1.67293E-35	-0.3283	hypo	sig	chr17_81158139
chr7	1.5E+08	149820516	+	1.408E-37	1.67372E-35	-0.27616	hypo	sig	chr7_149820516
chr8	28404425	28404425	+	1.417E-37	1.68323E-35	-0.3358	hypo	sig	chr8_28404425
chr12	85279566	85279566	+	1.418E-37	1.68446E-35	0.281141	hyper	sig	chr12_85279566
chr4	7193366	7193366	+	1.422E-37	1.68975E-35	0.230272	hyper	sig	chr4_7193366
chr20	63064404	63064404	+	1.424E-37	1.691E-35	-0.27634	hypo	sig	chr20_63064404
chr1	50417696	50417696	+	1.427E-37	1.695E-35	0.240012	hyper	sig	chr1_50417696
chr19	58581325	58581325	+	1.43E-37	1.69743E-35	0.273459	hyper	sig	chr19_58581325
chr16	88935578	88935578	+	1.434E-37	1.70215E-35	-0.24956	hypo	sig	chr16_88935578
chr4	1.55E+08	154742377	+	1.439E-37	1.70821E-35	0.40148	hyper	sig	chr4_154742377
chr13	77918789	77918789	+	1.44E-37	1.70873E-35	0.361812	hyper	sig	chr13_77918789
chr16	7303487	7303487	+	1.451E-37	1.72199E-35	0.368583	hyper	sig	chr16_7303487
chr17	48722278	48722278	+	1.452E-37	1.72295E-35	0.279452	hyper	sig	chr17_48722278
chr17	64779880	64779880	+	1.455E-37	1.72592E-35	0.362477	hyper	sig	chr17_64779880
chr8	42768575	42768575	+	1.458E-37	1.72993E-35	-0.35028	hypo	sig	chr8_42768575
chr20	45297973	45297973	+	1.462E-37	1.73379E-35	-0.32021	hypo	sig	chr20_45297973
chr10	1.23E+08	123143772	+	1.464E-37	1.73584E-35	0.318086	hyper	sig	chr10_123143772
chr20	40681098	40681098	+	1.471E-37	1.74366E-35	-0.32543	hypo	sig	chr20_40681098
chr13	1.12E+08	112073892	+	1.473E-37	1.74637E-35	0.297316	hyper	sig	chr13_112073892
chr5	1.73E+08	173245381	+	1.495E-37	1.77226E-35	0.269013	hyper	sig	chr5_173245381
chr12	1.14E+08	114409633	+	1.503E-37	1.78063E-35	0.215416	hyper	sig	chr12_114409633
chr8	750274	750274	+	1.508E-37	1.78698E-35	-0.25098	hypo	sig	chr8_750274
chr11	1.32E+08	131910609	+	1.518E-37	1.7981E-35	0.291334	hyper	sig	chr11_131910609
chr13	25372700	25372700	+	1.518E-37	1.7981E-35	0.424245	hyper	sig	chr13_25372700
chr4	1.55E+08	155376462	+	1.523E-37	1.80379E-35	0.310794	hyper	sig	chr4_155376462
chr3	1.7E+08	169822683	+	1.525E-37	1.80523E-35	-0.40629	hypo	sig	chr3_169822683

chr10	1.01E+08	101134648	+	1.53E-37	1.81096E-35	0.214635	hyper	sig	chr10_101134648
chr8	23710047	23710047	+	1.531E-37	1.81272E-35	0.285011	hyper	sig	chr8_23710047
chr6	62285666	62285666	+	1.551E-37	1.83563E-35	0.372604	hyper	sig	chr6_62285666
chr15	41895010	41895010	+	1.555E-37	1.84007E-35	-0.21535	hypo	sig	chr15_41895010
chr4	1.47E+08	146640712	+	1.555E-37	1.84007E-35	0.29688	hyper	sig	chr4_146640712
chr16	86496334	86496334	+	1.556E-37	1.84033E-35	0.291469	hyper	sig	chr16_86496334
chr2	951359	951359	+	1.562E-37	1.84789E-35	0.319552	hyper	sig	chr2_951359
chr1	2.28E+08	228341232	+	1.573E-37	1.85998E-35	-0.30334	hypo	sig	chr1_228341232
chr10	23191384	23191384	+	1.578E-37	1.86575E-35	0.291405	hyper	sig	chr10_23191384
chr16	85642925	85642925	+	1.586E-37	1.87469E-35	-0.30259	hypo	sig	chr16_85642925
chr8	66961963	66961963	+	1.59E-37	1.87931E-35	0.303773	hyper	sig	chr8_66961963
chr8	1294065	1294065	+	1.609E-37	1.90163E-35	-0.37057	hypo	sig	chr8_1294065
chr16	51156260	51156260	+	1.61E-37	1.90288E-35	0.323828	hyper	sig	chr16_51156260
chr1	1.44E+08	143904611	+	1.613E-37	1.90654E-35	0.298502	hyper	sig	chr1_143904611
chr5	10652224	10652224	+	1.628E-37	1.92323E-35	-0.38756	hypo	sig	chr5_10652224
chr8	2102073	2102073	+	1.628E-37	1.92323E-35	-0.30713	hypo	sig	chr8_2102073
chr18	12253812	12253812	+	1.632E-37	1.92722E-35	0.223665	hyper	sig	chr18_12253812
chr4	1.33E+08	133151604	+	1.636E-37	1.93227E-35	0.344894	hyper	sig	chr4_133151604
chr8	52941020	52941020	+	1.642E-37	1.9388E-35	0.228436	hyper	sig	chr8_52941020
chr13	1.14E+08	114005067	+	1.644E-37	1.94081E-35	-0.34207	hypo	sig	chr13_114005067
chr4	1.47E+08	146640627	+	1.645E-37	1.9416E-35	0.272087	hyper	sig	chr4_146640627
chr1	6089479	6089479	+	1.649E-37	1.94548E-35	-0.28373	hypo	sig	chr1_6089479
chr1	1.47E+08	147080123	+	1.65E-37	1.94734E-35	0.331099	hyper	sig	chr1_147080123
chr17	81941444	81941444	+	1.657E-37	1.95454E-35	-0.31903	hypo	sig	chr17_81941444
chr19	1399100	1399100	+	1.664E-37	1.9623E-35	-0.37591	hypo	sig	chr19_1399100
chr3	1.47E+08	147423457	+	1.67E-37	1.96976E-35	0.261941	hyper	sig	chr3_147423457
chr6	28775809	28775809	+	1.674E-37	1.97354E-35	0.335653	hyper	sig	chr6_28775809
chr16	86337779	86337779	+	1.687E-37	1.98951E-35	-0.28164	hypo	sig	chr16_86337779
chr13	1.13E+08	113405866	+	1.689E-37	1.99102E-35	-0.31116	hypo	sig	chr13_113405866
chr14	97219037	97219037	+	1.694E-37	1.99647E-35	0.2094	hyper	sig	chr14_97219037
chr19	57709338	57709338	+	1.695E-37	1.99791E-35	0.306612	hyper	sig	chr19_57709338
chr1	1.11E+08	110674887	+	1.704E-37	2.00811E-35	0.418301	hyper	sig	chr1_110674887
chr16	88935580	88935580	+	1.706E-37	2.01006E-35	-0.25213	hypo	sig	chr16_88935580
chr6	31508110	31508110	+	1.712E-37	2.01646E-35	-0.28367	hypo	sig	chr6_31508110
chr8	98949433	98949433	+	1.726E-37	2.03337E-35	0.322548	hyper	sig	chr8_98949433
chr19	48414938	48414938	+	1.728E-37	2.03553E-35	0.406333	hyper	sig	chr19_48414938
chr11	69382449	69382449	+	1.734E-37	2.04127E-35	-0.28714	hypo	sig	chr11_69382449
chr15	55588734	55588734	+	1.739E-37	2.04726E-35	0.229864	hyper	sig	chr15_55588734
chr5	3590328	3590328	+	1.74E-37	2.04781E-35	0.334073	hyper	sig	chr5_3590328
chr1	1.11E+08	110675457	+	1.749E-37	2.05826E-35	0.339407	hyper	sig	chr1_110675457
chr16	88691253	88691253	+	1.758E-37	2.06886E-35	-0.28137	hypo	sig	chr16_88691253
chr10	11165474	11165474	+	1.764E-37	2.0752E-35	0.321549	hyper	sig	chr10_11165474
chr19	3178764	3178764	+	1.77E-37	2.08203E-35	-0.28647	hypo	sig	chr19_3178764
chr3	1.3E+08	129975331	+	1.778E-37	2.09198E-35	0.370211	hyper	sig	chr3_129975331
chr8	42499136	42499136	+	1.779E-37	2.09216E-35	0.249104	hyper	sig	chr8_42499136
chr10	81875524	81875524	+	1.8E-37	2.11626E-35	0.271011	hyper	sig	chr10_81875524
chr10	7411490	7411490	+	1.81E-37	2.12864E-35	0.267967	hyper	sig	chr10_7411490
chr1	78491184	78491184	+	1.824E-37	2.1442E-35	0.32579	hyper	sig	chr1_78491184
chr6	31776181	31776181	+	1.829E-37	2.14968E-35	-0.28366	hypo	sig	chr6_31776181
chr13	1.12E+08	112069238	+	1.833E-37	2.15436E-35	0.268233	hyper	sig	chr13_112069238
chr15	89783580	89783580	+	1.833E-37	2.15436E-35	-0.35056	hypo	sig	chr15_89783580
chr2	1.32E+08	132257151	+	1.839E-37	2.16031E-35	0.370035	hyper	sig	chr2_132257151
chr17	82876364	82876364	+	1.841E-37	2.16313E-35	-0.30614	hypo	sig	chr17_82876364
chr14	24132323	24132323	+	1.843E-37	2.16446E-35	-0.28964	hypo	sig	chr14_24132323
chr16	49278122	49278122	+	1.846E-37	2.16853E-35	0.34701	hyper	sig	chr16_49278122
chr8	1.08E+08	108083163	+	1.892E-37	2.22164E-35	0.264756	hyper	sig	chr8_108083163

chr3	62367829	62367829	+	1.901E-37	2.23168E-35	0.307891	hyper	sig	chr3_62367829
chr6	1.7E+08	170177179	+	1.902E-37	2.2324E-35	-0.3216	hypo	sig	chr6_170177179
chr15	71783524	71783524	+	1.919E-37	2.25201E-35	-0.26637	hypo	sig	chr15_71783524
chr8	23710188	23710188	+	1.919E-37	2.25244E-35	0.282992	hyper	sig	chr8_23710188
chr7	1.58E+08	157588386	+	1.938E-37	2.27448E-35	-0.36398	hypo	sig	chr7_157588386
chr7	1.5E+08	150220207	+	1.957E-37	2.29585E-35	0.412237	hyper	sig	chr7_150220207
chr4	1.33E+08	133147523	+	1.965E-37	2.30503E-35	0.28888	hyper	sig	chr4_133147523
chr1	1.08E+08	107965909	+	1.965E-37	2.30503E-35	0.255898	hyper	sig	chr1_107965909
chr16	67161698	67161698	+	1.965E-37	2.30503E-35	-0.39302	hypo	sig	chr16_67161698
chr12	84912586	84912586	+	1.966E-37	2.3055E-35	0.354535	hyper	sig	chr12_84912586
chr2	74415343	74415343	+	1.976E-37	2.31634E-35	0.324238	hyper	sig	chr2_74415343
chr10	22345780	22345780	+	2.005E-37	2.35084E-35	0.352756	hyper	sig	chr10_22345780
chr2	1.87E+08	186849287	+	2.006E-37	2.35091E-35	0.250357	hyper	sig	chr2_186849287
chr16	49278057	49278057	+	2.013E-37	2.35927E-35	0.332376	hyper	sig	chr16_49278057
chr5	1.41E+08	141431245	+	2.016E-37	2.36236E-35	0.274531	hyper	sig	chr5_141431245
chr15	83107113	83107113	+	2.03E-37	2.37886E-35	0.219115	hyper	sig	chr15_83107113
chr12	54029828	54029828	+	2.032E-37	2.38047E-35	0.333173	hyper	sig	chr12_54029828
chr6	75205046	75205046	+	2.032E-37	2.38047E-35	0.232909	hyper	sig	chr6_75205046
chr18	59273159	59273159	+	2.037E-37	2.38607E-35	0.308984	hyper	sig	chr18_59273159
chr12	1.13E+08	113476073	+	2.048E-37	2.39718E-35	0.323656	hyper	sig	chr12_113476073
chr16	85625306	85625306	+	2.048E-37	2.39718E-35	-0.25763	hypo	sig	chr16_85625306
chr17	3946991	3946991	+	2.057E-37	2.40764E-35	-0.27744	hypo	sig	chr17_3946991
chr14	60510645	60510645	+	2.073E-37	2.42613E-35	0.28186	hyper	sig	chr14_60510645
chr8	23707173	23707173	+	2.074E-37	2.42729E-35	0.289626	hyper	sig	chr8_23707173
chr11	64223094	64223094	+	2.079E-37	2.43218E-35	-0.28181	hypo	sig	chr11_64223094
chr11	521005	521005	+	2.083E-37	2.43703E-35	-0.26752	hypo	sig	chr11_521005
chr10	1478697	1478697	+	2.086E-37	2.43965E-35	-0.30059	hypo	sig	chr10_1478697
chr4	44447738	44447738	+	2.089E-37	2.44285E-35	0.312579	hyper	sig	chr4_44447738
chr7	27101439	27101439	+	2.118E-37	2.47619E-35	0.263426	hyper	sig	chr7_27101439
chr19	4556026	4556026	+	2.121E-37	2.47908E-35	-0.36726	hypo	sig	chr19_4556026
chr6	1.37E+08	137498034	+	2.135E-37	2.49593E-35	0.21266	hyper	sig	chr6_137498034
chr1	8121495	8121495	+	2.14E-37	2.50155E-35	-0.38373	hypo	sig	chr1_8121495
chr1	6093013	6093013	+	2.148E-37	2.5095E-35	-0.27192	hypo	sig	chr1_6093013
chr14	28774268	28774268	+	2.158E-37	2.52192E-35	0.25948	hyper	sig	chr14_28774268
chr10	1.01E+08	100519918	+	2.159E-37	2.52273E-35	0.359503	hyper	sig	chr10_100519918
chr1	38134524	38134524	+	2.161E-37	2.5243E-35	0.261609	hyper	sig	chr1_38134524
chr12	1.14E+08	114405616	+	2.162E-37	2.52532E-35	0.29421	hyper	sig	chr12_114405616
chr1	1956968	1956968	+	2.175E-37	2.53965E-35	-0.29793	hypo	sig	chr1_1956968
chr4	1.22E+08	121765409	+	2.18E-37	2.54523E-35	0.247657	hyper	sig	chr4_121765409
chr10	93065814	93065814	+	2.185E-37	2.55049E-35	0.288392	hyper	sig	chr10_93065814
chr11	1.02E+08	101583945	+	2.189E-37	2.55531E-35	0.376653	hyper	sig	chr11_101583945
chr14	94773142	94773142	+	2.2E-37	2.56697E-35	0.276634	hyper	sig	chr14_94773142
chr5	1.81E+08	180606626	+	2.206E-37	2.57432E-35	-0.35334	hypo	sig	chr5_180606626
chr8	17027779	17027779	+	2.21E-37	2.57827E-35	0.360644	hyper	sig	chr8_17027779
chr16	86495067	86495067	+	2.212E-37	2.57995E-35	0.290971	hyper	sig	chr16_86495067
chr16	51151147	51151147	+	2.226E-37	2.59601E-35	0.434679	hyper	sig	chr16_51151147
chr1	3275074	3275074	+	2.234E-37	2.60491E-35	-0.26125	hypo	sig	chr1_3275074
chr10	1.26E+08	125574205	+	2.244E-37	2.61695E-35	-0.25262	hypo	sig	chr10_125574205
chr14	60511180	60511180	+	2.247E-37	2.61941E-35	0.288886	hyper	sig	chr14_60511180
chr3	1.33E+08	133410696	+	2.253E-37	2.62637E-35	-0.29898	hypo	sig	chr3_133410696
chr5	3597185	3597185	+	2.284E-37	2.66191E-35	0.323746	hyper	sig	chr5_3597185
chr1	3565116	3565116	+	2.295E-37	2.67455E-35	-0.34381	hypo	sig	chr1_3565116
chr8	1.08E+08	108083160	+	2.295E-37	2.67455E-35	0.282489	hyper	sig	chr8_108083160
chr11	79438816	79438816	+	2.306E-37	2.68651E-35	0.262428	hyper	sig	chr11_79438816
chr1	2.29E+08	229434483	+	2.316E-37	2.69826E-35	0.295062	hyper	sig	chr1_229434483
chr4	1.54E+08	153789659	+	2.324E-37	2.70647E-35	0.310494	hyper	sig	chr4_153789659

chr8	26051810	26051810	+	2.33E-37	2.71331E-35	0.254879	hyper	sig	chr8_26051810
chr10	1.3E+08	129969831	+	2.336E-37	2.7197E-35	0.233324	hyper	sig	chr10_129969831
chr4	1.11E+08	110612702	+	2.34E-37	2.72452E-35	0.278882	hyper	sig	chr4_110612702
chr2	88765387	88765387	+	2.342E-37	2.72613E-35	0.327808	hyper	sig	chr2_88765387
chr3	5095954	5095954	+	2.348E-37	2.73284E-35	0.314098	hyper	sig	chr3_5095954
chr13	36154861	36154861	+	2.358E-37	2.74363E-35	0.354277	hyper	sig	chr13_36154861
chr16	29167977	29167977	+	2.359E-37	2.74489E-35	-0.26955	hypo	sig	chr16_29167977
chr2	31580846	31580846	+	2.367E-37	2.7537E-35	0.302591	hyper	sig	chr2_31580846
chr16	85947743	85947743	+	2.384E-37	2.77348E-35	-0.35156	hypo	sig	chr16_85947743
chr2	1.13E+08	113275796	+	2.406E-37	2.79831E-35	0.303859	hyper	sig	chr2_113275796
chr10	1.01E+08	101226157	+	2.459E-37	2.85916E-35	0.340283	hyper	sig	chr10_101226157
chr8	1653191	1653191	+	2.459E-37	2.85916E-35	-0.26344	hypo	sig	chr8_1653191
chr5	1662590	1662590	+	2.482E-37	2.8848E-35	-0.2585	hypo	sig	chr5_1662590
chr19	12721084	12721084	+	2.511E-37	2.91852E-35	0.299586	hyper	sig	chr19_12721084
chr10	1.01E+08	101134270	+	2.525E-37	2.93453E-35	0.293303	hyper	sig	chr10_101134270
chr10	1.01E+08	101134248	+	2.542E-37	2.95304E-35	0.298703	hyper	sig	chr10_101134248
chr1	18632467	18632467	+	2.548E-37	2.95946E-35	0.330775	hyper	sig	chr1_18632467
chr2	1.1E+08	110206197	+	2.548E-37	2.95946E-35	-0.36649	hypo	sig	chr2_110206197
chr2	5692949	5692949	+	2.549E-37	2.96025E-35	0.311864	hyper	sig	chr2_5692949
chr11	86195292	86195292	+	2.571E-37	2.98563E-35	-0.29988	hypo	sig	chr11_86195292
chr4	1.11E+08	110614481	+	2.577E-37	2.99221E-35	0.388644	hyper	sig	chr4_110614481
chr6	1.37E+08	137495894	+	2.578E-37	2.99244E-35	0.327468	hyper	sig	chr6_137495894
chr15	45704386	45704386	+	2.58E-37	2.99482E-35	0.28815	hyper	sig	chr15_45704386
chr10	1.3E+08	129969768	+	2.584E-37	2.99834E-35	0.215348	hyper	sig	chr10_129969768
chr1	63320388	63320388	+	2.593E-37	3.00931E-35	0.256686	hyper	sig	chr1_63320388
chr4	1362991	1362991	+	2.613E-37	3.03129E-35	0.230442	hyper	sig	chr4_1362991
chr5	77638852	77638852	+	2.628E-37	3.04808E-35	0.283173	hyper	sig	chr5_77638852
chr14	60511176	60511176	+	2.637E-37	3.05825E-35	0.299055	hyper	sig	chr14_60511176
chr8	84184960	84184960	+	2.644E-37	3.06637E-35	0.295353	hyper	sig	chr8_84184960
chr7	85185898	85185898	+	2.653E-37	3.07526E-35	0.23764	hyper	sig	chr7_85185898
chr1	58249900	58249900	+	2.66E-37	3.08297E-35	0.272723	hyper	sig	chr1_58249900
chr2	2.32E+08	232486266	+	2.672E-37	3.09674E-35	0.261382	hyper	sig	chr2_232486266
chr17	10198282	10198282	+	2.673E-37	3.09749E-35	0.442591	hyper	sig	chr17_10198282
chr3	49686147	49686147	+	2.689E-37	3.11557E-35	0.274666	hyper	sig	chr3_49686147
chr10	3127067	3127067	+	2.693E-37	3.12029E-35	-0.2899	hypo	sig	chr10_3127067
chr7	97007364	97007364	+	2.705E-37	3.13343E-35	0.299098	hyper	sig	chr7_97007364
chr21	43940934	43940934	+	2.716E-37	3.14553E-35	0.284005	hyper	sig	chr21_43940934
chr15	74955772	74955772	+	2.722E-37	3.1518E-35	-0.35985	hypo	sig	chr15_74955772
chr6	98842834	98842834	+	2.723E-37	3.1528E-35	0.300725	hyper	sig	chr6_98842834
chr17	34580677	34580677	+	2.73E-37	3.16056E-35	0.23968	hyper	sig	chr17_34580677
chr14	1.04E+08	104223784	+	2.738E-37	3.16929E-35	0.267362	hyper	sig	chr14_104223784
chr13	27792657	27792657	+	2.745E-37	3.17685E-35	0.278828	hyper	sig	chr13_27792657
chr3	1.47E+08	147409882	+	2.745E-37	3.17699E-35	0.275829	hyper	sig	chr3_147409882
chr1	3094427	3094427	+	2.747E-37	3.17809E-35	-0.27284	hypo	sig	chr1_3094427
chr1	1.47E+08	147080140	+	2.762E-37	3.19562E-35	0.304349	hyper	sig	chr1_147080140
chr8	48408071	48408071	+	2.774E-37	3.20823E-35	-0.35388	hypo	sig	chr8_48408071
chr3	1.47E+08	147409895	+	2.779E-37	3.21457E-35	0.285216	hyper	sig	chr3_147409895
chr10	50674905	50674905	+	2.791E-37	3.22789E-35	-0.28459	hypo	sig	chr10_50674905
chr8	11347337	11347337	+	2.807E-37	3.24575E-35	0.321834	hyper	sig	chr8_11347337
chr2	5697268	5697268	+	2.816E-37	3.25546E-35	0.278079	hyper	sig	chr2_5697268
chr17	81158209	81158209	+	2.829E-37	3.27036E-35	-0.27768	hypo	sig	chr17_81158209
chr20	46513688	46513688	+	2.834E-37	3.27541E-35	0.274026	hyper	sig	chr20_46513688
chr1	37033106	37033106	+	2.841E-37	3.28329E-35	0.236047	hyper	sig	chr1_37033106
chr20	46179004	46179004	+	2.842E-37	3.28392E-35	-0.34024	hypo	sig	chr20_46179004
chr1	20553065	20553065	+	2.852E-37	3.29458E-35	0.358759	hyper	sig	chr1_20553065
chr1	1.21E+08	121118314	+	2.861E-37	3.30481E-35	0.311763	hyper	sig	chr1_121118314

chr12	1.32E+08	132287260	+	2.871E-37	3.31539E-35	-0.24625	hypo	sig	chr12_132287260
chr6	391206	391206	+	2.876E-37	3.32133E-35	0.387003	hyper	sig	chr6_391206
chr22	38866340	38866340	+	2.888E-37	3.33442E-35	-0.35966	hypo	sig	chr22_38866340
chr19	12156861	12156861	+	2.935E-37	3.38813E-35	0.244765	hyper	sig	chr19_12156861
chr5	1.35E+08	135029282	+	2.961E-37	3.41813E-35	0.364889	hyper	sig	chr5_135029282
chr1	1.19E+08	119006638	+	2.97E-37	3.42807E-35	0.207861	hyper	sig	chr1_119006638
chr8	1931461	1931461	+	3.004E-37	3.46593E-35	-0.2404	hypo	sig	chr8_1931461
chr5	1.41E+08	140786413	+	3.028E-37	3.49362E-35	0.260106	hyper	sig	chr5_140786413
chr5	1.81E+08	181174183	+	3.037E-37	3.50391E-35	0.288521	hyper	sig	chr5_181174183
chr9	97855416	97855416	+	3.069E-37	3.54022E-35	0.351858	hyper	sig	chr9_97855416
chr17	64778805	64778805	+	3.084E-37	3.55698E-35	0.306753	hyper	sig	chr17_64778805
chr13	78586959	78586959	+	3.087E-37	3.55961E-35	0.290139	hyper	sig	chr13_78586959
chr4	1.11E+08	110614463	+	3.093E-37	3.56553E-35	0.359454	hyper	sig	chr4_110614463
chr17	79178543	79178543	+	3.103E-37	3.57676E-35	-0.28648	hypo	sig	chr17_79178543
chr18	12254432	12254432	+	3.103E-37	3.57689E-35	0.349861	hyper	sig	chr18_12254432
chr7	1.58E+08	157588384	+	3.114E-37	3.58876E-35	-0.35995	hypo	sig	chr7_157588384
chr8	1.44E+08	143574101	+	3.12E-37	3.59456E-35	-0.35025	hypo	sig	chr8_143574101
chr19	52370173	52370173	+	3.125E-37	3.59941E-35	0.265406	hyper	sig	chr19_52370173
chr2	63055832	63055832	+	3.124E-37	3.59941E-35	0.202159	hyper	sig	chr2_63055832
chr1	1.19E+08	118989076	+	3.137E-37	3.61286E-35	0.328241	hyper	sig	chr1_118989076
chr18	909085	909085	+	3.144E-37	3.62072E-35	0.333285	hyper	sig	chr18_909085
chr8	98949731	98949731	+	3.152E-37	3.62961E-35	0.331919	hyper	sig	chr8_98949731
chr19	55118633	55118633	+	3.158E-37	3.63575E-35	0.276224	hyper	sig	chr19_55118633
chr10	594072	594072	+	3.192E-37	3.67484E-35	-0.28768	hypo	sig	chr10_594072
chr8	1.16E+08	115648423	+	3.224E-37	3.71047E-35	0.302554	hyper	sig	chr8_115648423
chr7	1.17E+08	117322896	+	3.235E-37	3.72287E-35	0.363902	hyper	sig	chr7_117322896
chr12	1.32E+08	132260988	+	3.256E-37	3.74619E-35	-0.33127	hypo	sig	chr12_132260988
chr11	32428252	32428252	+	3.268E-37	3.76028E-35	0.327455	hyper	sig	chr11_32428252
chr17	79712082	79712082	+	3.27E-37	3.76202E-35	-0.34028	hypo	sig	chr17_79712082
chr2	2.37E+08	236568275	+	3.283E-37	3.77633E-35	0.280805	hyper	sig	chr2_236568275
chr3	62370653	62370653	+	3.296E-37	3.79004E-35	0.301309	hyper	sig	chr3_62370653
chr6	1.59E+08	158649927	+	3.302E-37	3.79638E-35	-0.29062	hypo	sig	chr6_158649927
chr1	2.28E+08	228464471	+	3.326E-37	3.82386E-35	0.280934	hyper	sig	chr1_228464471
chr19	49418845	49418845	+	3.328E-37	3.8259E-35	-0.28437	hypo	sig	chr19_49418845
chr11	71615586	71615586	+	3.354E-37	3.85508E-35	-0.35718	hypo	sig	chr11_71615586
chr17	796874	796874	+	3.362E-37	3.8632E-35	-0.35116	hypo	sig	chr17_796874
chr3	57007308	57007308	+	3.37E-37	3.87236E-35	-0.4339	hypo	sig	chr3_57007308
chr9	37026468	37026468	+	3.372E-37	3.87362E-35	0.307803	hyper	sig	chr9_37026468
chr1	37033117	37033117	+	3.393E-37	3.89738E-35	0.237174	hyper	sig	chr1_37033117
chr18	79644902	79644902	+	3.401E-37	3.90646E-35	-0.32171	hypo	sig	chr18_79644902
chr8	96159757	96159757	+	3.403E-37	3.90808E-35	0.283691	hyper	sig	chr8_96159757
chr4	1.11E+08	110628842	+	3.427E-37	3.9345E-35	0.327935	hyper	sig	chr4_110628842
chr1	2.21E+08	220884466	+	3.44E-37	3.94873E-35	0.270471	hyper	sig	chr1_220884466
chr11	1.02E+08	101583917	+	3.443E-37	3.95245E-35	0.431879	hyper	sig	chr11_101583917
chr11	1.09E+08	109423449	+	3.454E-37	3.9643E-35	0.302421	hyper	sig	chr11_109423449
chr7	1.54E+08	154305185	+	3.469E-37	3.98091E-35	0.334303	hyper	sig	chr7_154305185
chr20	60472446	60472446	+	3.485E-37	3.99862E-35	-0.3121	hypo	sig	chr20_60472446
chr19	57614609	57614609	+	3.51E-37	4.02683E-35	0.347746	hyper	sig	chr19_57614609
chr1	1.19E+08	118987521	+	3.543E-37	4.06416E-35	0.246645	hyper	sig	chr1_118987521
chr6	28490127	28490127	+	3.554E-37	4.07631E-35	0.273864	hyper	sig	chr6_28490127
chr5	3597299	3597299	+	3.569E-37	4.09162E-35	0.408757	hyper	sig	chr5_3597299
chr6	28443648	28443648	+	3.568E-37	4.09162E-35	0.239166	hyper	sig	chr6_28443648
chr3	1.47E+08	147388841	+	3.596E-37	4.12181E-35	0.25896	hyper	sig	chr3_147388841
chr5	1878541	1878541	+	3.639E-37	4.17063E-35	0.284998	hyper	sig	chr5_1878541
chr18	69402923	69402923	+	3.642E-37	4.17351E-35	0.269809	hyper	sig	chr18_69402923
chr8	1653206	1653206	+	3.665E-37	4.19939E-35	-0.23682	hypo	sig	chr8_1653206

chr6	6004664	6004664	+	3.709E-37	4.24927E-35	0.257438	hyper	sig	chr6_6004664
chr6	62286792	62286792	+	3.735E-37	4.27833E-35	0.352378	hyper	sig	chr6_62286792
chr4	3766848	3766848	+	3.736E-37	4.27884E-35	0.262247	hyper	sig	chr4_3766848
chr3	1.58E+08	158102808	+	3.743E-37	4.28614E-35	0.283545	hyper	sig	chr3_158102808
chr8	96159753	96159753	+	3.744E-37	4.28719E-35	0.27417	hyper	sig	chr8_96159753
chr8	23702522	23702522	+	3.752E-37	4.29522E-35	0.332364	hyper	sig	chr8_23702522
chr6	29792670	29792670	+	3.761E-37	4.30547E-35	0.249408	hyper	sig	chr6_29792670
chr7	90597078	90597078	+	3.812E-37	4.36267E-35	0.253539	hyper	sig	chr7_90597078
chr19	56368063	56368063	+	3.83E-37	4.38272E-35	0.357205	hyper	sig	chr19_56368063
chr8	1.43E+08	143155108	+	3.875E-37	4.43297E-35	-0.27853	hypo	sig	chr8_143155108
chr2	45004740	45004740	+	3.88E-37	4.4377E-35	0.211734	hyper	sig	chr2_45004740
chr15	55588744	55588744	+	3.893E-37	4.45141E-35	0.251545	hyper	sig	chr15_55588744
chr20	24470087	24470087	+	3.893E-37	4.45141E-35	0.335064	hyper	sig	chr20_24470087
chr5	570570	570570	+	3.915E-37	4.47612E-35	-0.25853	hypo	sig	chr5_570570
chr4	1.55E+08	155208048	+	3.916E-37	4.47713E-35	0.247456	hyper	sig	chr4_155208048
chr2	1.19E+08	118835027	+	3.925E-37	4.4867E-35	0.234394	hyper	sig	chr2_118835027
chr13	40188118	40188118	+	3.938E-37	4.50095E-35	-0.27761	hypo	sig	chr13_40188118
chr19	52453581	52453581	+	3.944E-37	4.50729E-35	0.298822	hyper	sig	chr19_52453581
chr1	2.28E+08	228341239	+	3.958E-37	4.5223E-35	-0.2767	hypo	sig	chr1_228341239
chr16	84032510	84032510	+	4.016E-37	4.58768E-35	-0.35088	hypo	sig	chr16_84032510
chr6	31776184	31776184	+	4.019E-37	4.59024E-35	-0.29172	hypo	sig	chr6_31776184
chr12	1.13E+08	113479644	+	4.065E-37	4.64245E-35	0.299038	hyper	sig	chr12_113479644
chr4	4858258	4858258	+	4.088E-37	4.66719E-35	0.30993	hyper	sig	chr4_4858258
chr17	35448760	35448760	+	4.092E-37	4.67137E-35	0.31746	hyper	sig	chr17_35448760
chr19	36916109	36916109	+	4.11E-37	4.6918E-35	0.207936	hyper	sig	chr19_36916109
chr16	51156154	51156154	+	4.115E-37	4.69642E-35	0.314847	hyper	sig	chr16_51156154
chr5	55223091	55223091	+	4.125E-37	4.70693E-35	0.301475	hyper	sig	chr5_55223091
chr5	3592598	3592598	+	4.139E-37	4.72224E-35	0.262432	hyper	sig	chr5_3592598
chr19	41933157	41933157	+	4.161E-37	4.74716E-35	-0.32728	hypo	sig	chr19_41933157
chr4	1.33E+08	133148054	+	4.164E-37	4.74903E-35	0.329912	hyper	sig	chr4_133148054
chr2	44933300	44933300	+	4.181E-37	4.76807E-35	0.248045	hyper	sig	chr2_44933300
chr16	1288453	1288453	+	4.186E-37	4.77332E-35	-0.30027	hypo	sig	chr16_1288453
chr12	1.14E+08	114440763	+	4.222E-37	4.81322E-35	0.299003	hyper	sig	chr12_114440763
chr7	1.59E+08	158995515	+	4.237E-37	4.83014E-35	-0.27723	hypo	sig	chr7_158995515
chr13	78596850	78596850	+	4.257E-37	4.85254E-35	0.267871	hyper	sig	chr13_78596850
chr17	65229006	65229006	+	4.293E-37	4.89281E-35	-0.25811	hypo	sig	chr17_65229006
chr4	54101261	54101261	+	4.314E-37	4.91634E-35	0.332343	hyper	sig	chr4_54101261
chr2	2.37E+08	236568227	+	4.389E-37	4.99934E-35	0.23245	hyper	sig	chr2_236568227
chr4	7193357	7193357	+	4.391E-37	5.00127E-35	0.20663	hyper	sig	chr4_7193357
chr8	23706485	23706485	+	4.401E-37	5.01256E-35	0.301912	hyper	sig	chr8_23706485
chr12	1.14E+08	114405643	+	4.436E-37	5.05129E-35	0.299716	hyper	sig	chr12_114405643
chr5	1.41E+08	141430853	+	4.453E-37	5.06999E-35	0.281831	hyper	sig	chr5_141430853
chr10	3287610	3287610	+	4.47E-37	5.08882E-35	-0.30612	hypo	sig	chr10_3287610
chr15	71783573	71783573	+	4.519E-37	5.14359E-35	-0.28222	hypo	sig	chr15_71783573
chr19	49049416	49049416	+	4.575E-37	5.20627E-35	-0.2898	hypo	sig	chr19_49049416
chr4	1.54E+08	154333382	+	4.596E-37	5.22943E-35	0.242324	hyper	sig	chr4_154333382
chr19	22286761	22286761	+	4.602E-37	5.23602E-35	0.324454	hyper	sig	chr19_22286761
chr19	23070438	23070438	+	4.64E-37	5.27827E-35	0.309132	hyper	sig	chr19_23070438
chr5	3602303	3602303	+	4.642E-37	5.2798E-35	0.3267	hyper	sig	chr5_3602303
chr13	27793673	27793673	+	4.662E-37	5.30151E-35	0.377356	hyper	sig	chr13_27793673
chr1	90717264	90717264	+	4.666E-37	5.3057E-35	0.31479	hyper	sig	chr1_90717264
chr8	68330753	68330753	+	4.684E-37	5.32542E-35	0.307062	hyper	sig	chr8_68330753
chr4	1.55E+08	154743001	+	4.687E-37	5.32844E-35	0.329586	hyper	sig	chr4_154743001
chr11	69449897	69449897	+	4.697E-37	5.33914E-35	-0.26622	hypo	sig	chr11_69449897
chr12	1.3E+08	130042248	+	4.705E-37	5.34733E-35	0.283817	hyper	sig	chr12_130042248
chr9	1.31E+08	130927990	+	4.713E-37	5.35591E-35	-0.29762	hypo	sig	chr9_130927990

chr14	85529930	85529930	+	4.735E-37	5.37934E-35	0.247033	hyper	sig	chr14_85529930
chr7	1.3E+08	130491417	+	4.751E-37	5.39715E-35	0.247505	hyper	sig	chr7_130491417
chr12	1.14E+08	114440747	+	4.757E-37	5.40292E-35	0.281495	hyper	sig	chr12_114440747
chr13	1.12E+08	112074022	+	4.78E-37	5.42892E-35	0.291178	hyper	sig	chr13_112074022
chr1	1.19E+08	119000647	+	4.809E-37	5.46018E-35	0.249327	hyper	sig	chr1_119000647
chr2	1.15E+08	115163178	+	4.819E-37	5.47123E-35	0.276446	hyper	sig	chr2_115163178
chr11	1.33E+08	133064250	+	4.845E-37	5.49954E-35	0.269807	hyper	sig	chr11_133064250
chr5	19987970	19987970	+	4.845E-37	5.49968E-35	0.374084	hyper	sig	chr5_19987970
chr13	1.12E+08	112073932	+	4.847E-37	5.50122E-35	0.270528	hyper	sig	chr13_112073932
chr1	1.19E+08	119005920	+	4.882E-37	5.53989E-35	0.370706	hyper	sig	chr1_119005920
chr15	47184838	47184838	+	4.919E-37	5.58144E-35	0.216458	hyper	sig	chr15_47184838
chr14	36513480	36513480	+	4.925E-37	5.58732E-35	0.268786	hyper	sig	chr14_36513480
chr7	23247913	23247913	+	4.926E-37	5.5876E-35	0.301424	hyper	sig	chr7_23247913
chr5	58582511	58582511	+	4.948E-37	5.61143E-35	0.22081	hyper	sig	chr5_58582511
chr2	53860206	53860206	+	4.952E-37	5.61576E-35	0.444785	hyper	sig	chr2_53860206
chr1	1.65E+08	165445200	+	4.97E-37	5.63438E-35	0.255734	hyper	sig	chr1_165445200
chr1	1.58E+08	158181525	+	4.988E-37	5.65431E-35	0.360164	hyper	sig	chr1_158181525
chr2	2.39E+08	238569873	+	4.992E-37	5.65772E-35	-0.22754	hypo	sig	chr2_238569873
chr13	93227365	93227365	+	5.01E-37	5.67807E-35	0.312247	hyper	sig	chr13_93227365
chr2	1.37E+08	136766074	+	5.035E-37	5.70519E-35	0.286113	hyper	sig	chr2_136766074
chr2	44932912	44932912	+	5.037E-37	5.70735E-35	0.338293	hyper	sig	chr2_44932912
chr14	60485342	60485342	+	5.058E-37	5.7297E-35	0.376222	hyper	sig	chr14_60485342
chr10	1.3E+08	129887898	+	5.064E-37	5.73604E-35	-0.27101	hypo	sig	chr10_129887898
chr17	65228986	65228986	+	5.068E-37	5.73978E-35	-0.23554	hypo	sig	chr17_65228986
chr7	97007369	97007369	+	5.111E-37	5.78773E-35	0.281257	hyper	sig	chr7_97007369
chr5	1657273	1657273	+	5.112E-37	5.78813E-35	-0.35121	hypo	sig	chr5_1657273
chr3	1.2E+08	119810397	+	5.142E-37	5.82125E-35	0.275857	hyper	sig	chr3_119810397
chr4	1340218	1340218	+	5.144E-37	5.82125E-35	0.22783	hyper	sig	chr4_1340218
chr7	54542246	54542246	+	5.144E-37	5.82125E-35	0.32308	hyper	sig	chr7_54542246
chr8	1.43E+08	142770004	+	5.144E-37	5.82125E-35	-0.27294	hypo	sig	chr8_142770004
chr9	97852658	97852658	+	5.148E-37	5.82498E-35	0.375659	hyper	sig	chr9_97852658
chr1	37034869	37034869	+	5.159E-37	5.83565E-35	0.215727	hyper	sig	chr1_37034869
chr4	1.74E+08	173530129	+	5.172E-37	5.84977E-35	0.25048	hyper	sig	chr4_173530129
chr8	26051919	26051919	+	5.188E-37	5.86726E-35	0.303662	hyper	sig	chr8_26051919
chr20	37522709	37522709	+	5.206E-37	5.88658E-35	-0.28416	hypo	sig	chr20_37522709
chr12	1.32E+08	132261083	+	5.22E-37	5.90123E-35	-0.28748	hypo	sig	chr12_132261083
chr12	1.32E+08	132260985	+	5.223E-37	5.90329E-35	-0.32582	hypo	sig	chr12_132260985
chr17	65538437	65538437	+	5.23E-37	5.91079E-35	-0.34778	hypo	sig	chr17_65538437
chr1	47433995	47433995	+	5.278E-37	5.96389E-35	0.338304	hyper	sig	chr1_47433995
chr19	49133346	49133346	+	5.281E-37	5.96647E-35	0.334487	hyper	sig	chr19_49133346
chr14	94773169	94773169	+	5.285E-37	5.96995E-35	0.224099	hyper	sig	chr14_94773169
chr19	36419011	36419011	+	5.306E-37	5.99355E-35	0.325896	hyper	sig	chr19_36419011
chr19	36331816	36331816	+	5.309E-37	5.99603E-35	0.284424	hyper	sig	chr19_36331816
chr3	1.47E+08	147412734	+	5.317E-37	6.0044E-35	0.346604	hyper	sig	chr3_147412734
chr7	2572400	2572400	+	5.323E-37	6.00957E-35	-0.33893	hypo	sig	chr7_2572400
chr17	41583660	41583660	+	5.346E-37	6.03455E-35	-0.29628	hypo	sig	chr17_41583660
chr5	3590706	3590706	+	5.37E-37	6.06178E-35	0.313513	hyper	sig	chr5_3590706
chr5	1217959	1217959	+	5.373E-37	6.06341E-35	-0.3368	hypo	sig	chr5_1217959
chr5	1.71E+08	171313933	+	5.374E-37	6.06354E-35	0.306974	hyper	sig	chr5_171313933
chr2	31137905	31137905	+	5.402E-37	6.09497E-35	0.239073	hyper	sig	chr2_31137905
chr1	1.19E+08	118990162	+	5.441E-37	6.13793E-35	0.248363	hyper	sig	chr1_118990162
chr14	1.01E+08	101052183	+	5.461E-37	6.15999E-35	-0.30859	hypo	sig	chr14_101052183
chr6	1.5E+08	149964595	+	5.492E-37	6.19366E-35	0.252504	hyper	sig	chr6_149964595
chr1	1.22E+08	121519715	+	5.529E-37	6.23437E-35	0.346856	hyper	sig	chr1_121519715
chr2	1.3E+08	130139547	+	5.557E-37	6.26484E-35	-0.27267	hypo	sig	chr2_130139547
chr7	965112	965112	+	5.56E-37	6.26836E-35	-0.25472	hypo	sig	chr7_965112

chr4	13525005	13525005	+	5.574E-37	6.28249E-35	0.244401	hyper	sig	chr4_13525005
chr12	6824382	6824382	+	5.579E-37	6.28717E-35	-0.26651	hypo	sig	chr12_6824382
chr15	89408806	89408806	+	5.625E-37	6.33849E-35	0.270133	hyper	sig	chr15_89408806
chr10	1.32E+08	132274666	+	5.669E-37	6.38674E-35	-0.25268	hypo	sig	chr10_132274666
chr17	10199103	10199103	+	5.689E-37	6.40895E-35	0.303249	hyper	sig	chr17_10199103
chr6	1.08E+08	108174781	+	5.697E-37	6.41641E-35	0.258634	hyper	sig	chr6_108174781
chr6	84764867	84764867	+	5.743E-37	6.4681E-35	0.221087	hyper	sig	chr6_84764867
chr18	905470	905470	+	5.767E-37	6.49437E-35	0.281866	hyper	sig	chr18_905470
chr3	1.33E+08	133410739	+	5.797E-37	6.52704E-35	-0.3138	hypo	sig	chr3_133410739
chr5	37838303	37838303	+	5.799E-37	6.52709E-35	0.204439	hyper	sig	chr5_37838303
chr6	10390656	10390656	+	5.798E-37	6.52709E-35	0.307398	hyper	sig	chr6_10390656
chr19	7879980	7879980	+	5.873E-37	6.61021E-35	-0.29657	hypo	sig	chr19_7879980
chr3	1.47E+08	147391129	+	5.9E-37	6.6396E-35	0.256703	hyper	sig	chr3_147391129
chr8	23706457	23706457	+	5.936E-37	6.6787E-35	0.293456	hyper	sig	chr8_23706457
chr8	26048076	26048076	+	5.963E-37	6.70801E-35	0.360685	hyper	sig	chr8_26048076
chr17	64778174	64778174	+	5.986E-37	6.73264E-35	0.363751	hyper	sig	chr17_64778174
chr13	1.01E+08	101416710	+	5.996E-37	6.74372E-35	0.311896	hyper	sig	chr13_101416710
chr2	2.32E+08	232486260	+	6.007E-37	6.75482E-35	0.250975	hyper	sig	chr2_232486260
chr19	841068	841068	+	6.034E-37	6.78463E-35	-0.30901	hypo	sig	chr19_841068
chr6	27680613	27680613	+	6.036E-37	6.78562E-35	0.292799	hyper	sig	chr6_27680613
chr1	76867542	76867542	+	6.042E-37	6.7909E-35	0.238145	hyper	sig	chr1_76867542
chr4	1407621	1407621	+	6.077E-37	6.83009E-35	0.376657	hyper	sig	chr4_1407621
chr19	41933216	41933216	+	6.115E-37	6.87113E-35	-0.27348	hypo	sig	chr19_41933216
chr12	84912014	84912014	+	6.115E-37	6.87114E-35	0.340053	hyper	sig	chr12_84912014
chr18	12254325	12254325	+	6.14E-37	6.89801E-35	0.276175	hyper	sig	chr18_12254325
chr2	63055745	63055745	+	6.177E-37	6.93835E-35	0.22554	hyper	sig	chr2_63055745
chr7	1.55E+08	155467641	+	6.181E-37	6.94157E-35	0.31374	hyper	sig	chr7_155467641
chr11	45907555	45907555	+	6.199E-37	6.96148E-35	-0.32334	hypo	sig	chr11_45907555
chr11	44862426	44862426	+	6.223E-37	6.98723E-35	-0.22071	hypo	sig	chr11_44862426
chr10	1.01E+08	101223689	+	6.25E-37	7.0168E-35	0.261586	hyper	sig	chr10_101223689
chr1	47439778	47439778	+	6.258E-37	7.02457E-35	0.297702	hyper	sig	chr1_47439778
chr5	1.41E+08	141370544	+	6.27E-37	7.03724E-35	0.419672	hyper	sig	chr5_141370544
chr2	2.38E+08	238404401	+	6.278E-37	7.04452E-35	0.222989	hyper	sig	chr2_238404401
chr9	1.37E+08	137243134	+	6.279E-37	7.04549E-35	-0.34076	hypo	sig	chr9_137243134
chr5	1.46E+08	146339034	+	6.299E-37	7.06654E-35	0.298713	hyper	sig	chr5_146339034
chr8	6805705	6805705	+	6.333E-37	7.10336E-35	-0.31962	hypo	sig	chr8_6805705
chr6	28810835	28810835	+	6.356E-37	7.12821E-35	0.273816	hyper	sig	chr6_28810835
chr14	85534116	85534116	+	6.362E-37	7.1342E-35	0.362742	hyper	sig	chr14_85534116
chr2	5696187	5696187	+	6.379E-37	7.15208E-35	0.383579	hyper	sig	chr2_5696187
chr10	1.3E+08	129966538	+	6.398E-37	7.17273E-35	0.322061	hyper	sig	chr10_129966538
chr19	56507695	56507695	+	6.405E-37	7.17959E-35	0.32759	hyper	sig	chr19_56507695
chr10	1.01E+08	101218317	+	6.412E-37	7.18597E-35	0.292188	hyper	sig	chr10_101218317
chr8	1.41E+08	141395113	+	6.43E-37	7.20522E-35	-0.27776	hypo	sig	chr8_141395113
chr3	1.47E+08	147392924	+	6.431E-37	7.20606E-35	0.300396	hyper	sig	chr3_147392924
chr5	45695820	45695820	+	6.438E-37	7.21303E-35	0.319938	hyper	sig	chr5_45695820
chr1	2E+08	200036335	+	6.452E-37	7.22756E-35	0.406028	hyper	sig	chr1_200036335
chr13	52848936	52848936	+	6.506E-37	7.28623E-35	0.371912	hyper	sig	chr13_52848936
chr1	3293228	3293228	+	6.581E-37	7.36929E-35	-0.45313	hypo	sig	chr1_3293228
chr7	1.51E+08	151392679	+	6.592E-37	7.38123E-35	-0.29976	hypo	sig	chr7_151392679
chr13	51248549	51248549	+	6.595E-37	7.38356E-35	-0.30752	hypo	sig	chr13_51248549
chr1	18632426	18632426	+	6.597E-37	7.38476E-35	0.343431	hyper	sig	chr1_18632426
chr2	63055673	63055673	+	6.613E-37	7.40174E-35	0.238065	hyper	sig	chr2_63055673
chr8	98947374	98947374	+	6.618E-37	7.40588E-35	0.290818	hyper	sig	chr8_98947374
chr13	37869950	37869950	+	6.629E-37	7.41681E-35	0.27942	hyper	sig	chr13_37869950
chr8	1.44E+08	144046922	+	6.669E-37	7.46029E-35	-0.28606	hypo	sig	chr8_144046922
chr7	19106612	19106612	+	6.679E-37	7.47E-35	0.312572	hyper	sig	chr7_19106612

chr5	404681	404681	+	6.694E-37	7.48631E-35	-0.2688	hypo	sig	chr5_404681
chr3	13637527	13637527	+	6.754E-37	7.55237E-35	-0.27624	hypo	sig	chr3_13637527
chr3	1.47E+08	147356202	+	6.783E-37	7.58295E-35	0.23826	hyper	sig	chr3_147356202
chr20	21514028	21514028	+	6.789E-37	7.58856E-35	0.262945	hyper	sig	chr20_21514028
chr1	1.77E+08	177170992	+	6.794E-37	7.59311E-35	0.21402	hyper	sig	chr1_177170992
chr11	67452450	67452450	+	6.823E-37	7.62506E-35	-0.31197	hypo	sig	chr11_67452450
chr6	1.37E+08	137494506	+	6.836E-37	7.63712E-35	0.260633	hyper	sig	chr6_137494506
chr18	37396258	37396258	+	6.838E-37	7.63877E-35	-0.2473	hypo	sig	chr18_37396258
chr5	1.35E+08	135327148	+	6.845E-37	7.64478E-35	0.255697	hyper	sig	chr5_135327148
chr8	1.42E+08	141760558	+	6.852E-37	7.65161E-35	-0.27633	hypo	sig	chr8_141760558
chr12	52007699	52007699	+	6.869E-37	7.67011E-35	0.261408	hyper	sig	chr12_52007699
chr4	1.55E+08	154742458	+	6.878E-37	7.67911E-35	0.321525	hyper	sig	chr4_154742458
chr9	3181037	3181037	+	6.882E-37	7.68188E-35	0.263905	hyper	sig	chr9_3181037
chr16	84851622	84851622	+	6.91E-37	7.7131E-35	-0.37892	hypo	sig	chr16_84851622
chr18	47248577	47248577	+	6.931E-37	7.73512E-35	0.272298	hyper	sig	chr18_47248577
chr13	27926718	27926718	+	6.938E-37	7.74142E-35	0.406454	hyper	sig	chr13_27926718
chr12	1.14E+08	113669947	+	6.94E-37	7.74303E-35	0.297151	hyper	sig	chr12_113669947
chr18	905015	905015	+	6.962E-37	7.76678E-35	0.325552	hyper	sig	chr18_905015
chr7	35261437	35261437	+	6.971E-37	7.77559E-35	0.287049	hyper	sig	chr7_35261437
chr19	33623297	33623297	+	6.985E-37	7.78947E-35	0.240569	hyper	sig	chr19_33623297
chr5	44388803	44388803	+	7.015E-37	7.82207E-35	0.237669	hyper	sig	chr5_44388803
chr10	7411465	7411465	+	7.048E-37	7.85808E-35	0.265789	hyper	sig	chr10_7411465
chr3	1.47E+08	147388754	+	7.062E-37	7.87246E-35	0.311662	hyper	sig	chr3_147388754
chr16	86513957	86513957	+	7.211E-37	8.03706E-35	0.375047	hyper	sig	chr16_86513957
chr10	1.01E+08	100830445	+	7.241E-37	8.07028E-35	0.259299	hyper	sig	chr10_100830445
chr5	33936415	33936415	+	7.318E-37	8.15397E-35	0.292082	hyper	sig	chr5_33936415
chr1	1.44E+08	143904589	+	7.328E-37	8.1646E-35	0.281403	hyper	sig	chr1_143904589
chr20	63494915	63494915	+	7.329E-37	8.16494E-35	-0.31105	hypo	sig	chr20_63494915
chr8	54466696	54466696	+	7.372E-37	8.21187E-35	0.27362	hyper	sig	chr8_54466696
chr1	2.08E+08	207645258	+	7.407E-37	8.24901E-35	0.430048	hyper	sig	chr1_207645258
chr9	970679	970679	+	7.439E-37	8.28406E-35	0.221224	hyper	sig	chr9_970679
chr7	38976072	38976072	+	7.479E-37	8.32741E-35	0.372231	hyper	sig	chr7_38976072
chr12	1.14E+08	114404186	+	7.563E-37	8.41926E-35	0.254761	hyper	sig	chr12_114404186
chr1	1.08E+08	107964768	+	7.567E-37	8.42311E-35	0.268993	hyper	sig	chr1_107964768
chr2	467884	467884	+	7.611E-37	8.46951E-35	0.290259	hyper	sig	chr2_467884
chr3	1.47E+08	147423055	+	7.678E-37	8.54304E-35	0.253012	hyper	sig	chr3_147423055
chr16	843238	843238	+	7.715E-37	8.58293E-35	-0.2907	hypo	sig	chr16_843238
chr4	6028776	6028776	+	7.748E-37	8.6181E-35	-0.3031	hypo	sig	chr4_6028776
chr1	3437863	3437863	+	7.75E-37	8.61956E-35	-0.2889	hypo	sig	chr1_3437863
chr2	2.19E+08	218962139	+	7.809E-37	8.68338E-35	0.366207	hyper	sig	chr2_218962139
chr20	46513685	46513685	+	7.854E-37	8.73235E-35	0.269864	hyper	sig	chr20_46513685
chr6	28635117	28635117	+	7.901E-37	8.78342E-35	0.241545	hyper	sig	chr6_28635117
chr13	1.01E+08	101416873	+	7.929E-37	8.81364E-35	0.274201	hyper	sig	chr13_101416873
chr17	68198565	68198565	+	7.964E-37	8.85005E-35	0.233199	hyper	sig	chr17_68198565
chr13	87674420	87674420	+	7.968E-37	8.85374E-35	0.257223	hyper	sig	chr13_87674420
chr3	1.47E+08	147411235	+	8.053E-37	8.94692E-35	0.33338	hyper	sig	chr3_147411235
chr1	47439742	47439742	+	8.074E-37	8.96812E-35	0.338736	hyper	sig	chr1_47439742
chr10	79242937	79242937	+	8.084E-37	8.97869E-35	0.36185	hyper	sig	chr10_79242937
chr5	1794602	1794602	+	8.125E-37	9.02302E-35	-0.30766	hypo	sig	chr5_1794602
chr1	47435883	47435883	+	8.135E-37	9.03255E-35	0.313631	hyper	sig	chr1_47435883
chr2	2.06E+08	206274430	+	8.144E-37	9.04149E-35	0.26247	hyper	sig	chr2_206274430
chr10	99234095	99234095	+	8.177E-37	9.07724E-35	0.268524	hyper	sig	chr10_99234095
chr12	24903213	24903213	+	8.186E-37	9.08596E-35	0.345928	hyper	sig	chr12_24903213
chr4	1.64E+08	164383344	+	8.213E-37	9.11425E-35	0.300059	hyper	sig	chr4_164383344
chr9	1.31E+08	131308179	+	8.255E-37	9.15864E-35	-0.29132	hypo	sig	chr9_131308179
chr13	78595579	78595579	+	8.272E-37	9.17649E-35	0.279295	hyper	sig	chr13_78595579

chr22	39374447	39374447	+	8.276E-37	9.17897E-35	-0.24731	hypo	sig	chr22_39374447
chr19	48414918	48414918	+	8.331E-37	9.2394E-35	0.396401	hyper	sig	chr19_48414918
chr17	38578585	38578585	+	8.336E-37	9.24353E-35	0.270257	hyper	sig	chr17_38578585
chr10	49397665	49397665	+	8.37E-37	9.27943E-35	0.322166	hyper	sig	chr10_49397665
chr10	1.31E+08	131310750	+	8.379E-37	9.28864E-35	0.350692	hyper	sig	chr10_131310750
chr12	1.14E+08	114440761	+	8.39E-37	9.29891E-35	0.305118	hyper	sig	chr12_114440761
chr3	26623801	26623801	+	8.412E-37	9.32268E-35	0.295552	hyper	sig	chr3_26623801
chr8	32549410	32549410	+	8.431E-37	9.34167E-35	0.297007	hyper	sig	chr8_32549410
chr10	1.3E+08	129969896	+	8.461E-37	9.3743E-35	0.244222	hyper	sig	chr10_129969896
chr4	1.74E+08	173528920	+	8.489E-37	9.40367E-35	0.321353	hyper	sig	chr4_173528920
chr4	1.56E+08	155668157	+	8.511E-37	9.42678E-35	0.212974	hyper	sig	chr4_155668157
chr17	83063516	83063516	+	8.523E-37	9.43919E-35	-0.30857	hypo	sig	chr17_83063516
chr4	61201658	61201658	+	8.541E-37	9.45793E-35	0.274041	hyper	sig	chr4_61201658
chr11	1.3E+08	129743715	+	8.555E-37	9.47223E-35	-0.33004	hypo	sig	chr11_129743715
chr1	1.19E+08	118986271	+	8.561E-37	9.47686E-35	0.33052	hyper	sig	chr1_118986271
chr17	64779144	64779144	+	8.577E-37	9.49409E-35	0.394247	hyper	sig	chr17_64779144
chr12	1.25E+08	124535615	+	8.586E-37	9.5017E-35	0.224954	hyper	sig	chr12_124535615
chr8	1837867	1837867	+	8.625E-37	9.54417E-35	-0.26009	hypo	sig	chr8_1837867
chr12	1.04E+08	104303348	+	8.628E-37	9.54591E-35	0.302108	hyper	sig	chr12_104303348
chr19	23070450	23070450	+	8.69E-37	9.61312E-35	0.296439	hyper	sig	chr19_23070450
chr17	65538543	65538543	+	8.707E-37	9.63123E-35	-0.29536	hypo	sig	chr17_65538543
chr6	1.23E+08	122996402	+	8.716E-37	9.6398E-35	0.373169	hyper	sig	chr6_122996402
chr17	17562325	17562325	+	8.777E-37	9.70596E-35	-0.26872	hypo	sig	chr17_17562325
chr7	1.59E+08	158995530	+	8.792E-37	9.72094E-35	-0.25989	hypo	sig	chr7_158995530
chr5	88659956	88659956	+	8.858E-37	9.79241E-35	0.297674	hyper	sig	chr5_88659956
chr1	6466083	6466083	+	8.879E-37	9.81492E-35	0.287026	hyper	sig	chr1_6466083
chr11	1.16E+08	115659504	+	8.912E-37	9.84972E-35	0.270207	hyper	sig	chr11_115659504
chr11	10658746	10658746	+	8.923E-37	9.86058E-35	-0.22468	hypo	sig	chr11_10658746
chr10	1.24E+08	123973267	+	9.025E-37	9.97154E-35	0.290132	hyper	sig	chr10_123973267
chr5	1.16E+08	115962029	+	9.053E-37	1.00018E-34	0.313682	hyper	sig	chr5_115962029
chr3	6862222	6862222	+	9.069E-37	1.0018E-34	0.440986	hyper	sig	chr3_6862222
chr12	78864658	78864658	+	9.115E-37	1.00662E-34	0.208096	hyper	sig	chr12_78864658
chr7	1.04E+08	103989108	+	9.115E-37	1.00662E-34	0.263753	hyper	sig	chr7_103989108
chr8	84182602	84182602	+	9.188E-37	1.01445E-34	0.218227	hyper	sig	chr8_84182602
chr1	1956919	1956919	+	9.192E-37	1.01461E-34	-0.29879	hypo	sig	chr1_1956919
chr11	40293817	40293817	+	9.191E-37	1.01461E-34	0.290948	hyper	sig	chr11_40293817
chr13	1.12E+08	112105354	+	9.207E-37	1.01605E-34	0.418262	hyper	sig	chr13_112105354
chr17	17562182	17562182	+	9.206E-37	1.01605E-34	-0.26506	hypo	sig	chr17_17562182
chr8	1.45E+08	144713222	+	9.209E-37	1.01611E-34	0.343433	hyper	sig	chr8_144713222
chr14	41609977	41609977	+	9.296E-37	1.0256E-34	0.267607	hyper	sig	chr14_41609977
chr17	58157518	58157518	+	9.31E-37	1.0269E-34	0.287846	hyper	sig	chr17_58157518
chr2	44932859	44932859	+	9.309E-37	1.0269E-34	0.324249	hyper	sig	chr2_44932859
chr13	37869567	37869567	+	9.327E-37	1.02856E-34	0.313761	hyper	sig	chr13_37869567
chr2	74499767	74499767	+	9.356E-37	1.0317E-34	0.317369	hyper	sig	chr2_74499767
chr13	1.01E+08	101416678	+	9.405E-37	1.03695E-34	0.326894	hyper	sig	chr13_101416678
chr10	23693484	23693484	+	9.493E-37	1.04651E-34	0.273941	hyper	sig	chr10_23693484
chr19	51601407	51601407	+	9.509E-37	1.04803E-34	0.353265	hyper	sig	chr19_51601407
chr2	1.32E+08	132257074	+	9.613E-37	1.05942E-34	0.411756	hyper	sig	chr2_132257074
chr12	1.14E+08	114405634	+	9.74E-37	1.07324E-34	0.307519	hyper	sig	chr12_114405634
chr6	30172406	30172406	+	9.77E-37	1.07637E-34	0.317593	hyper	sig	chr6_30172406
chr16	71426322	71426322	+	9.777E-37	1.07707E-34	0.272282	hyper	sig	chr16_71426322
chr1	1.8E+08	180255574	+	9.82E-37	1.08158E-34	-0.26007	hypo	sig	chr1_180255574
chr5	1.71E+08	171310287	+	9.923E-37	1.09287E-34	0.204312	hyper	sig	chr5_171310287
chr10	26217612	26217612	+	9.93E-37	1.09345E-34	0.322643	hyper	sig	chr10_26217612
chr1	1926809	1926809	+	9.935E-37	1.0938E-34	-0.3706	hypo	sig	chr1_1926809
chr4	1.11E+08	110631173	+	9.974E-37	1.09803E-34	0.214106	hyper	sig	chr4_110631173

chr16	28212815	28212815	+	9.981E-37	1.0986E-34	-0.37083	hypo	sig	chr16_28212815
chr5	88659945	88659945	+	1.006E-36	1.10669E-34	0.278729	hyper	sig	chr5_88659945
chr10	976154	976154	+	1.007E-36	1.10764E-34	-0.30656	hypo	sig	chr10_976154
chr12	5044008	5044008	+	1.007E-36	1.10831E-34	0.38916	hyper	sig	chr12_5044008
chr8	48735170	48735170	+	1.013E-36	1.11405E-34	0.294281	hyper	sig	chr8_48735170
chr1	3747256	3747256	+	1.013E-36	1.11434E-34	0.297784	hyper	sig	chr1_3747256
chr7	97022811	97022811	+	1.013E-36	1.11435E-34	0.255869	hyper	sig	chr7_97022811
chr4	80266044	80266044	+	1.014E-36	1.11558E-34	0.253287	hyper	sig	chr4_80266044
chr11	1.19E+08	118887930	+	1.039E-36	1.14233E-34	-0.26129	hypo	sig	chr11_118887930
chr2	2.42E+08	241985893	+	1.044E-36	1.1481E-34	-0.36009	hypo	sig	chr2_241985893
chr7	2572407	2572407	+	1.045E-36	1.14868E-34	-0.32	hypo	sig	chr7_2572407
chr7	1.3E+08	130491297	+	1.046E-36	1.15017E-34	0.235826	hyper	sig	chr7_130491297
chr16	88375684	88375684	+	1.047E-36	1.15032E-34	-0.25977	hypo	sig	chr16_88375684
chr22	19892117	19892117	+	1.05E-36	1.15373E-34	-0.29678	hypo	sig	chr22_19892117
chr10	79242924	79242924	+	1.06E-36	1.16483E-34	0.342967	hyper	sig	chr10_79242924
chr9	971480	971480	+	1.064E-36	1.16912E-34	0.381405	hyper	sig	chr9_971480
chr19	43624127	43624127	+	1.071E-36	1.17603E-34	-0.36316	hypo	sig	chr19_43624127
chr11	8168728	8168728	+	1.075E-36	1.18004E-34	0.37827	hyper	sig	chr11_8168728
chr7	42493622	42493622	+	1.079E-36	1.18483E-34	0.22746	hyper	sig	chr7_42493622
chr1	3747242	3747242	+	1.08E-36	1.18531E-34	0.294861	hyper	sig	chr1_3747242
chr2	1.75E+08	174730089	+	1.081E-36	1.18657E-34	0.300328	hyper	sig	chr2_174730089
chr6	32762466	32762466	+	1.081E-36	1.18692E-34	-0.31609	hypo	sig	chr6_32762466
chr15	41917994	41917994	+	1.086E-36	1.19205E-34	-0.34665	hypo	sig	chr15_41917994
chr17	48722283	48722283	+	1.095E-36	1.20118E-34	0.268451	hyper	sig	chr17_48722283
chr8	24914979	24914979	+	1.095E-36	1.20146E-34	0.301338	hyper	sig	chr8_24914979
chr1	91804968	91804968	+	1.104E-36	1.2113E-34	-0.34102	hypo	sig	chr1_91804968
chr3	1.93E+08	192514326	+	1.109E-36	1.21677E-34	0.36933	hyper	sig	chr3_192514326
chr1	2.04E+08	203519734	+	1.111E-36	1.21882E-34	-0.35232	hypo	sig	chr1_203519734
chr17	82921607	82921607	+	1.114E-36	1.22129E-34	-0.21111	hypo	sig	chr17_82921607
chr4	1.09E+08	109302475	+	1.115E-36	1.22245E-34	0.250954	hyper	sig	chr4_109302475
chr10	1.23E+08	123142940	+	1.118E-36	1.22514E-34	0.22897	hyper	sig	chr10_123142940
chr12	1.32E+08	132374637	+	1.121E-36	1.22862E-34	-0.28684	hypo	sig	chr12_132374637
chr3	1.47E+08	147396604	+	1.124E-36	1.23215E-34	0.258183	hyper	sig	chr3_147396604
chr5	1973735	1973735	+	1.125E-36	1.23281E-34	-0.3123	hypo	sig	chr5_1973735
chr2	74499351	74499351	+	1.131E-36	1.23953E-34	0.216964	hyper	sig	chr2_74499351
chr17	81400941	81400941	+	1.137E-36	1.24579E-34	0.338039	hyper	sig	chr17_81400941
chr8	694532	694532	+	1.143E-36	1.25167E-34	-0.27745	hypo	sig	chr8_694532
chr8	23707169	23707169	+	1.152E-36	1.26145E-34	0.278195	hyper	sig	chr8_23707169
chr22	45922974	45922974	+	1.159E-36	1.2691E-34	-0.27466	hypo	sig	chr22_45922974
chr10	49610682	49610682	+	1.162E-36	1.27198E-34	0.292892	hyper	sig	chr10_49610682
chr4	622745	622745	+	1.165E-36	1.27545E-34	-0.20731	hypo	sig	chr4_622745
chr2	66425837	66425837	+	1.166E-36	1.27621E-34	0.223566	hyper	sig	chr2_66425837
chr17	35488413	35488413	+	1.168E-36	1.27848E-34	0.351196	hyper	sig	chr17_35488413
chr7	24283673	24283673	+	1.169E-36	1.27928E-34	0.335286	hyper	sig	chr7_24283673
chr5	3197882	3197882	+	1.17E-36	1.27978E-34	0.333605	hyper	sig	chr5_3197882
chr3	1.3E+08	129974777	+	1.171E-36	1.28102E-34	0.340923	hyper	sig	chr3_129974777
chr12	78864701	78864701	+	1.18E-36	1.2903E-34	0.245972	hyper	sig	chr12_78864701
chr17	64779427	64779427	+	1.185E-36	1.2956E-34	0.295153	hyper	sig	chr17_64779427
chr1	1.71E+08	170661343	+	1.185E-36	1.29575E-34	0.254355	hyper	sig	chr1_170661343
chr8	54459964	54459964	+	1.185E-36	1.29609E-34	0.334038	hyper	sig	chr8_54459964
chr10	1.3E+08	129884613	+	1.203E-36	1.31455E-34	-0.24391	hypo	sig	chr10_129884613
chr21	44708987	44708987	+	1.204E-36	1.31527E-34	0.375391	hyper	sig	chr21_44708987
chr2	64643400	64643400	+	1.209E-36	1.3215E-34	-0.27141	hypo	sig	chr2_64643400
chr1	2.28E+08	228341217	+	1.211E-36	1.32265E-34	-0.29574	hypo	sig	chr1_228341217
chr2	1.19E+08	119158240	+	1.214E-36	1.32608E-34	0.342106	hyper	sig	chr2_119158240
chr10	55630127	55630127	+	1.217E-36	1.32943E-34	0.328414	hyper	sig	chr10_55630127

chr16	3305275	3305275	+	1.224E-36	1.33706E-34	0.247653	hyper	sig	chr16_3305275
chr16	54289044	54289044	+	1.23E-36	1.3436E-34	0.28739	hyper	sig	chr16_54289044
chr6	84764706	84764706	+	1.231E-36	1.34443E-34	0.21571	hyper	sig	chr6_84764706
chr17	52158000	52158000	+	1.235E-36	1.34845E-34	0.318003	hyper	sig	chr17_52158000
chr14	85531395	85531395	+	1.241E-36	1.35434E-34	0.369405	hyper	sig	chr14_85531395
chr20	24470887	24470887	+	1.245E-36	1.35848E-34	0.249756	hyper	sig	chr20_24470887
chr13	1.01E+08	101416881	+	1.245E-36	1.35898E-34	0.262997	hyper	sig	chr13_101416881
chr14	36523043	36523043	+	1.25E-36	1.36415E-34	0.323032	hyper	sig	chr14_36523043
chr6	50843002	50843002	+	1.252E-36	1.36602E-34	0.302005	hyper	sig	chr6_50843002
chr8	544183	544183	+	1.254E-36	1.36729E-34	0.246093	hyper	sig	chr8_544183
chr3	48661700	48661700	+	1.259E-36	1.37275E-34	0.233002	hyper	sig	chr3_48661700
chr6	1594052	1594052	+	1.261E-36	1.37513E-34	-0.34456	hypo	sig	chr6_1594052
chr12	54047505	54047505	+	1.263E-36	1.37725E-34	0.423564	hyper	sig	chr12_54047505
chr8	52940101	52940101	+	1.266E-36	1.38033E-34	0.344551	hyper	sig	chr8_52940101
chr11	31825279	31825279	+	1.268E-36	1.38214E-34	0.293298	hyper	sig	chr11_31825279
chr2	80302861	80302861	+	1.272E-36	1.38663E-34	0.269054	hyper	sig	chr2_80302861
chr1	2911221	2911221	+	1.275E-36	1.38954E-34	-0.26886	hypo	sig	chr1_2911221
chr3	13042224	13042224	+	1.276E-36	1.39065E-34	-0.31065	hypo	sig	chr3_13042224
chr4	1405445	1405445	+	1.277E-36	1.39153E-34	0.380978	hyper	sig	chr4_1405445
chr2	1.82E+08	181683970	+	1.278E-36	1.39186E-34	0.326706	hyper	sig	chr2_181683970
chr1	47439740	47439740	+	1.281E-36	1.39457E-34	0.334888	hyper	sig	chr1_47439740
chr7	561628	561628	+	1.282E-36	1.39599E-34	0.267015	hyper	sig	chr7_561628
chr7	50733726	50733726	+	1.284E-36	1.39823E-34	-0.28458	hypo	sig	chr7_50733726
chr7	1.46E+08	146116836	+	1.294E-36	1.40868E-34	0.228515	hyper	sig	chr7_146116836
chr7	27108588	27108588	+	1.295E-36	1.40944E-34	0.318197	hyper	sig	chr7_27108588
chr13	1.12E+08	112067845	+	1.297E-36	1.41111E-34	0.282732	hyper	sig	chr13_112067845
chr11	31799807	31799807	+	1.3E-36	1.41446E-34	0.295067	hyper	sig	chr11_31799807
chr1	3650699	3650699	+	1.313E-36	1.42847E-34	0.265016	hyper	sig	chr1_3650699
chr12	78865056	78865056	+	1.313E-36	1.42858E-34	0.279847	hyper	sig	chr12_78865056
chr17	52159100	52159100	+	1.315E-36	1.43024E-34	0.310781	hyper	sig	chr17_52159100
chr19	41933222	41933222	+	1.32E-36	1.43602E-34	-0.27185	hypo	sig	chr19_41933222
chr4	1.76E+08	176065795	+	1.322E-36	1.43801E-34	0.219751	hyper	sig	chr4_176065795
chr11	20669243	20669243	+	1.331E-36	1.44732E-34	0.364552	hyper	sig	chr11_20669243
chr1	31772276	31772276	+	1.333E-36	1.44886E-34	0.266946	hyper	sig	chr1_31772276
chr11	43581415	43581415	+	1.334E-36	1.44997E-34	0.275506	hyper	sig	chr11_43581415
chr11	841312	841312	+	1.341E-36	1.4579E-34	-0.32419	hypo	sig	chr11_841312
chr5	37837361	37837361	+	1.347E-36	1.46392E-34	0.306288	hyper	sig	chr5_37837361
chr17	77373541	77373541	+	1.353E-36	1.47045E-34	0.38334	hyper	sig	chr17_77373541
chr5	1.46E+08	146342911	+	1.355E-36	1.47246E-34	0.297083	hyper	sig	chr5_146342911
chr10	55628427	55628427	+	1.365E-36	1.48253E-34	0.280798	hyper	sig	chr10_55628427
chr4	1.74E+08	173531355	+	1.371E-36	1.48888E-34	0.263138	hyper	sig	chr4_173531355
chr11	22432952	22432952	+	1.379E-36	1.49755E-34	0.2962	hyper	sig	chr11_22432952
chr15	88255494	88255494	+	1.379E-36	1.49755E-34	0.329184	hyper	sig	chr15_88255494
chr13	93228375	93228375	+	1.38E-36	1.49859E-34	0.354372	hyper	sig	chr13_93228375
chr2	1.82E+08	181683958	+	1.395E-36	1.51479E-34	0.315529	hyper	sig	chr2_181683958
chr2	31580955	31580955	+	1.402E-36	1.52156E-34	0.384213	hyper	sig	chr2_31580955
chr20	56925537	56925537	+	1.404E-36	1.52374E-34	0.281042	hyper	sig	chr20_56925537
chr1	2E+08	200036715	+	1.407E-36	1.52679E-34	0.337386	hyper	sig	chr1_200036715
chr1	2.21E+08	220884432	+	1.41E-36	1.52956E-34	0.251327	hyper	sig	chr1_220884432
chr19	46412544	46412544	+	1.41E-36	1.52984E-34	0.31913	hyper	sig	chr19_46412544
chr1	90725025	90725025	+	1.414E-36	1.53361E-34	0.321192	hyper	sig	chr1_90725025
chr11	1060661	1060661	+	1.415E-36	1.5344E-34	-0.32321	hypo	sig	chr11_1060661
chr2	74516310	74516310	+	1.417E-36	1.53626E-34	0.247451	hyper	sig	chr2_74516310
chr2	2.19E+08	219057607	+	1.422E-36	1.5422E-34	0.205947	hyper	sig	chr2_219057607
chr10	27746811	27746811	+	1.426E-36	1.54635E-34	0.274746	hyper	sig	chr10_27746811
chr1	3292966	3292966	+	1.427E-36	1.54653E-34	-0.26995	hypo	sig	chr1_3292966

chr7	71131381	71131381	+	1.432E-36	1.55225E-34	0.297729	hyper	sig	chr7_71131381
chr11	1.29E+08	128694303	+	1.439E-36	1.55892E-34	0.429454	hyper	sig	chr11_128694303
chr14	60485350	60485350	+	1.451E-36	1.57265E-34	0.350967	hyper	sig	chr14_60485350
chr12	78865044	78865044	+	1.459E-36	1.58085E-34	0.27887	hyper	sig	chr12_78865044
chr2	66425817	66425817	+	1.464E-36	1.5857E-34	0.21699	hyper	sig	chr2_66425817
chr7	27124260	27124260	+	1.466E-36	1.58775E-34	0.259297	hyper	sig	chr7_27124260
chr8	96159599	96159599	+	1.467E-36	1.58877E-34	0.288381	hyper	sig	chr8_96159599
chr13	1.02E+08	101917204	+	1.477E-36	1.59943E-34	0.317666	hyper	sig	chr13_101917204
chr8	84185008	84185008	+	1.483E-36	1.60565E-34	0.292639	hyper	sig	chr8_84185008
chr2	1.37E+08	136766117	+	1.486E-36	1.60845E-34	0.314145	hyper	sig	chr2_136766117
chr8	1.08E+08	108083779	+	1.496E-36	1.61949E-34	0.315761	hyper	sig	chr8_108083779
chr19	56507700	56507700	+	1.5E-36	1.62342E-34	0.331348	hyper	sig	chr19_56507700
chr9	97855428	97855428	+	1.502E-36	1.62551E-34	0.362063	hyper	sig	chr9_97855428
chr13	1.13E+08	112979340	+	1.506E-36	1.62914E-34	-0.2338	hypo	sig	chr13_112979340
chr17	27293651	27293651	+	1.514E-36	1.63748E-34	-0.40832	hypo	sig	chr17_27293651
chr22	46390971	46390971	+	1.516E-36	1.63931E-34	-0.36117	hypo	sig	chr22_46390971
chr1	8333999	8333999	+	1.518E-36	1.64213E-34	-0.27569	hypo	sig	chr1_8333999
chr13	37869613	37869613	+	1.519E-36	1.64277E-34	0.25004	hyper	sig	chr13_37869613
chr4	41747340	41747340	+	1.521E-36	1.64406E-34	0.401732	hyper	sig	chr4_41747340
chr14	26598698	26598698	+	1.521E-36	1.64453E-34	0.290897	hyper	sig	chr14_26598698
chr19	20077996	20077996	+	1.526E-36	1.64897E-34	0.230352	hyper	sig	chr19_20077996
chr10	14602115	14602115	+	1.526E-36	1.64969E-34	-0.30358	hypo	sig	chr10_14602115
chr5	32713229	32713229	+	1.538E-36	1.66241E-34	0.331238	hyper	sig	chr5_32713229
chr5	1.14E+08	114056008	+	1.544E-36	1.6684E-34	0.27514	hyper	sig	chr5_114056008
chr16	49277970	49277970	+	1.553E-36	1.67823E-34	0.318972	hyper	sig	chr16_49277970
chr5	1876223	1876223	+	1.554E-36	1.67855E-34	0.252364	hyper	sig	chr5_1876223
chr3	1.38E+08	137761825	+	1.555E-36	1.67904E-34	0.375639	hyper	sig	chr3_137761825
chr19	36797745	36797745	+	1.563E-36	1.68754E-34	0.345396	hyper	sig	chr19_36797745
chr19	49133337	49133337	+	1.579E-36	1.70449E-34	0.32081	hyper	sig	chr19_49133337
chr8	96493952	96493952	+	1.596E-36	1.72315E-34	0.227979	hyper	sig	chr8_96493952
chr2	74516328	74516328	+	1.599E-36	1.726E-34	0.26248	hyper	sig	chr2_74516328
chr18	47248560	47248560	+	1.599E-36	1.72633E-34	0.269192	hyper	sig	chr18_47248560
chr10	22345246	22345246	+	1.601E-36	1.72819E-34	0.266931	hyper	sig	chr10_22345246
chr12	54014912	54014912	+	1.603E-36	1.73005E-34	0.350731	hyper	sig	chr12_54014912
chr11	61895475	61895475	+	1.604E-36	1.73021E-34	-0.33598	hypo	sig	chr11_61895475
chr11	1.23E+08	122979782	+	1.604E-36	1.73031E-34	0.292572	hyper	sig	chr11_122979782
chr8	68331284	68331284	+	1.612E-36	1.73888E-34	0.375922	hyper	sig	chr8_68331284
chr14	1.01E+08	101060807	+	1.622E-36	1.74972E-34	-0.27142	hypo	sig	chr14_101060807
chr1	3274655	3274655	+	1.625E-36	1.75192E-34	-0.22318	hypo	sig	chr1_3274655
chr21	36697029	36697029	+	1.63E-36	1.75788E-34	0.284977	hyper	sig	chr21_36697029
chr3	1.25E+08	125357621	+	1.633E-36	1.76095E-34	0.33108	hyper	sig	chr3_125357621
chr10	1.33E+08	133231349	+	1.634E-36	1.7617E-34	0.24642	hyper	sig	chr10_133231349
chr1	2.28E+08	228341223	+	1.638E-36	1.76554E-34	-0.29945	hypo	sig	chr1_228341223
chr19	36916553	36916553	+	1.656E-36	1.78427E-34	0.214826	hyper	sig	chr19_36916553
chr21	26967168	26967168	+	1.658E-36	1.78663E-34	0.337429	hyper	sig	chr21_26967168
chr7	45921657	45921657	+	1.66E-36	1.78866E-34	0.31488	hyper	sig	chr7_45921657
chr1	1.19E+08	119006229	+	1.668E-36	1.7965E-34	0.352297	hyper	sig	chr1_119006229
chr11	3218983	3218983	+	1.676E-36	1.80473E-34	-0.25568	hypo	sig	chr11_3218983
chr19	36916357	36916357	+	1.687E-36	1.8168E-34	0.211001	hyper	sig	chr19_36916357
chr4	1.33E+08	133148351	+	1.688E-36	1.81745E-34	0.298191	hyper	sig	chr4_133148351
chr19	3482792	3482792	+	1.697E-36	1.82723E-34	-0.32966	hypo	sig	chr19_3482792
chr3	1.54E+08	154428695	+	1.705E-36	1.83583E-34	0.389932	hyper	sig	chr3_154428695
chr4	95549816	95549816	+	1.707E-36	1.83753E-34	0.223287	hyper	sig	chr4_95549816
chr7	39410594	39410594	+	1.709E-36	1.83943E-34	-0.38432	hypo	sig	chr7_39410594
chr5	3597216	3597216	+	1.71E-36	1.83955E-34	0.319657	hyper	sig	chr5_3597216
chr11	86195369	86195369	+	1.716E-36	1.8465E-34	-0.2434	hypo	sig	chr11_86195369

chr11	31799802	31799802	+	1.727E-36	1.85772E-34	0.307475	hyper	sig	chr11_31799802
chr5	1.41E+08	141418523	+	1.733E-36	1.86436E-34	0.255181	hyper	sig	chr5_141418523
chr16	361334	361334	+	1.739E-36	1.86974E-34	-0.31791	hypo	sig	chr16_361334
chr12	1.32E+08	132207619	+	1.761E-36	1.89346E-34	0.33455	hyper	sig	chr12_132207619
chr5	1.79E+08	179060793	+	1.777E-36	1.91028E-34	0.336246	hyper	sig	chr5_179060793
chr6	72621425	72621425	+	1.783E-36	1.91633E-34	0.222621	hyper	sig	chr6_72621425
chr19	7879984	7879984	+	1.785E-36	1.91871E-34	-0.30449	hypo	sig	chr19_7879984
chr1	47450102	47450102	+	1.791E-36	1.92451E-34	-0.25743	hypo	sig	chr1_47450102
chr3	1.26E+08	125756242	+	1.792E-36	1.92604E-34	-0.40839	hypo	sig	chr3_125756242
chr1	2974272	2974272	+	1.799E-36	1.93286E-34	-0.30306	hypo	sig	chr1_2974272
chr6	1E+08	100448997	+	1.802E-36	1.93632E-34	0.295867	hyper	sig	chr6_100448997
chr14	1.01E+08	101023312	+	1.805E-36	1.93886E-34	-0.23743	hypo	sig	chr14_101023312
chr13	40485031	40485031	+	1.805E-36	1.93887E-34	-0.37902	hypo	sig	chr13_40485031
chr10	1.33E+08	133071072	+	1.818E-36	1.95206E-34	-0.31889	hypo	sig	chr10_133071072
chr16	88715808	88715808	+	1.825E-36	1.95989E-34	0.245905	hyper	sig	chr16_88715808
chr10	7411481	7411481	+	1.832E-36	1.96665E-34	0.254239	hyper	sig	chr10_7411481
chr17	79119976	79119976	+	1.835E-36	1.97002E-34	-0.28458	hypo	sig	chr17_79119976
chr11	493129	493129	+	1.843E-36	1.97817E-34	-0.29336	hypo	sig	chr11_493129
chr13	1.12E+08	112105367	+	1.86E-36	1.99602E-34	0.411702	hyper	sig	chr13_112105367
chr16	49278054	49278054	+	1.86E-36	1.99602E-34	0.330454	hyper	sig	chr16_49278054
chr16	49277992	49277992	+	1.861E-36	1.9966E-34	0.27093	hyper	sig	chr16_49277992
chr4	95549809	95549809	+	1.865E-36	2.00032E-34	0.22204	hyper	sig	chr4_95549809
chr8	24914960	24914960	+	1.867E-36	2.00188E-34	0.278951	hyper	sig	chr8_24914960
chr7	1.59E+08	159024807	+	1.872E-36	2.00693E-34	-0.2156	hypo	sig	chr7_159024807
chr1	50417776	50417776	+	1.883E-36	2.0186E-34	0.279634	hyper	sig	chr1_50417776
chr7	1.54E+08	154053299	+	1.885E-36	2.02053E-34	0.331571	hyper	sig	chr7_154053299
chr12	52244499	52244499	+	1.888E-36	2.02421E-34	-0.27513	hypo	sig	chr12_52244499
chr19	52370154	52370154	+	1.892E-36	2.02769E-34	0.299974	hyper	sig	chr19_52370154
chr1	2.28E+08	228341212	+	1.909E-36	2.0459E-34	-0.30303	hypo	sig	chr1_228341212
chr2	2.42E+08	241985901	+	1.915E-36	2.05146E-34	-0.3762	hypo	sig	chr2_241985901
chr7	1.54E+08	154053356	+	1.919E-36	2.05602E-34	0.298892	hyper	sig	chr7_154053356
chr14	60510336	60510336	+	1.924E-36	2.06116E-34	0.342786	hyper	sig	chr14_60510336
chr11	20601713	20601713	+	1.937E-36	2.07487E-34	0.270781	hyper	sig	chr11_20601713
chr3	1.47E+08	147411373	+	1.951E-36	2.08925E-34	0.279384	hyper	sig	chr3_147411373
chr19	57889136	57889136	+	1.954E-36	2.09208E-34	0.288057	hyper	sig	chr19_57889136
chr1	76867538	76867538	+	1.956E-36	2.09442E-34	0.242201	hyper	sig	chr1_76867538
chr1	2E+08	200036356	+	1.957E-36	2.09459E-34	0.420336	hyper	sig	chr1_200036356
chr7	97018042	97018042	+	1.958E-36	2.09527E-34	0.285887	hyper	sig	chr7_97018042
chr12	1.03E+08	102961353	+	1.968E-36	2.10639E-34	0.293149	hyper	sig	chr12_102961353
chr1	1.52E+08	151905585	+	1.97E-36	2.10756E-34	-0.29161	hypo	sig	chr1_151905585
chr17	78456656	78456656	+	1.971E-36	2.1087E-34	-0.29887	hypo	sig	chr17_78456656
chr14	24132589	24132589	+	1.976E-36	2.11351E-34	-0.31255	hypo	sig	chr14_24132589
chr13	70107706	70107706	+	1.978E-36	2.11573E-34	0.383914	hyper	sig	chr13_70107706
chr17	34625430	34625430	+	1.985E-36	2.12324E-34	-0.3466	hypo	sig	chr17_34625430
chr3	1.47E+08	147419481	+	2.002E-36	2.14046E-34	0.266195	hyper	sig	chr3_147419481
chr10	7411391	7411391	+	2.019E-36	2.15922E-34	0.337428	hyper	sig	chr10_7411391
chr7	54542243	54542243	+	2.034E-36	2.17411E-34	0.326539	hyper	sig	chr7_54542243
chr5	88659933	88659933	+	2.037E-36	2.17798E-34	0.270361	hyper	sig	chr5_88659933
chr11	1075812	1075812	+	2.038E-36	2.17852E-34	-0.31826	hypo	sig	chr11_1075812
chr1	1942304	1942304	+	2.041E-36	2.18129E-34	-0.32738	hypo	sig	chr1_1942304
chr12	1.3E+08	130162715	+	2.045E-36	2.18506E-34	0.262107	hyper	sig	chr12_130162715
chr7	2572346	2572346	+	2.058E-36	2.19872E-34	-0.30023	hypo	sig	chr7_2572346
chr10	27746808	27746808	+	2.059E-36	2.19998E-34	0.256367	hyper	sig	chr10_27746808
chr15	59994281	59994281	+	2.066E-36	2.20695E-34	0.309647	hyper	sig	chr15_59994281
chr3	1.38E+08	137772037	+	2.067E-36	2.20706E-34	0.212856	hyper	sig	chr3_137772037
chr3	1.47E+08	147391615	+	2.069E-36	2.20892E-34	0.330434	hyper	sig	chr3_147391615

chr7	97022803	97022803	+	2.077E-36	2.21758E-34	0.263214	hyper	sig	chr7_97022803
chr18	25349266	25349266	+	2.08E-36	2.22052E-34	0.269204	hyper	sig	chr18_25349266
chr4	1.11E+08	110630831	+	2.093E-36	2.23387E-34	0.288413	hyper	sig	chr4_110630831
chr13	27924438	27924438	+	2.094E-36	2.23492E-34	0.308529	hyper	sig	chr13_27924438
chr12	80717779	80717779	+	2.103E-36	2.24429E-34	-0.33232	hypo	sig	chr12_80717779
chr12	1.27E+08	126727903	+	2.105E-36	2.24572E-34	0.28242	hyper	sig	chr12_126727903
chr2	2.34E+08	233939096	+	2.111E-36	2.2522E-34	0.337034	hyper	sig	chr2_233939096
chr19	30262478	30262478	+	2.117E-36	2.25803E-34	-0.32637	hypo	sig	chr19_30262478
chr1	1.47E+08	147072725	+	2.125E-36	2.2664E-34	0.318836	hyper	sig	chr1_147072725
chr1	2441989	2441989	+	2.126E-36	2.26709E-34	-0.30126	hypo	sig	chr1_2441989
chr6	1.59E+08	158500154	+	2.126E-36	2.26731E-34	-0.3338	hypo	sig	chr6_158500154
chr8	84184967	84184967	+	2.137E-36	2.27794E-34	0.290881	hyper	sig	chr8_84184967
chr2	44943157	44943157	+	2.141E-36	2.28152E-34	0.317103	hyper	sig	chr2_44943157
chr3	1.25E+08	125142062	+	2.14E-36	2.28152E-34	0.326681	hyper	sig	chr3_125142062
chr10	1.33E+08	132752839	+	2.157E-36	2.29859E-34	-0.26996	hypo	sig	chr10_132752839
chr6	31971040	31971040	+	2.162E-36	2.3035E-34	-0.28056	hypo	sig	chr6_31971040
chr1	6089047	6089047	+	2.163E-36	2.30482E-34	-0.25163	hypo	sig	chr1_6089047
chr6	1E+08	100447326	+	2.165E-36	2.30597E-34	0.250335	hyper	sig	chr6_100447326
chr2	1.3E+08	130006055	+	2.167E-36	2.30835E-34	0.316894	hyper	sig	chr2_130006055
chr5	1.41E+08	141421019	+	2.173E-36	2.3145E-34	0.316626	hyper	sig	chr5_141421019
chr15	52795429	52795429	+	2.175E-36	2.31648E-34	0.286277	hyper	sig	chr15_52795429
chr7	24283642	24283642	+	2.176E-36	2.31721E-34	0.330947	hyper	sig	chr7_24283642
chr2	44932833	44932833	+	2.178E-36	2.31918E-34	0.323446	hyper	sig	chr2_44932833
chr1	47434465	47434465	+	2.184E-36	2.32507E-34	0.328991	hyper	sig	chr1_47434465
chr13	57629472	57629472	+	2.207E-36	2.34845E-34	0.337912	hyper	sig	chr13_57629472
chr4	1.67E+08	167234102	+	2.226E-36	2.36858E-34	0.22894	hyper	sig	chr4_167234102
chr1	98045291	98045291	+	2.227E-36	2.36981E-34	0.283649	hyper	sig	chr1_98045291
chr6	30260324	30260324	+	2.24E-36	2.3829E-34	0.268055	hyper	sig	chr6_30260324
chr12	1.11E+08	111033731	+	2.245E-36	2.38807E-34	0.396427	hyper	sig	chr12_111033731
chr6	10381581	10381581	+	2.252E-36	2.39521E-34	0.294278	hyper	sig	chr6_10381581
chr1	2.21E+08	220884414	+	2.275E-36	2.41946E-34	0.249811	hyper	sig	chr1_220884414
chr19	56638237	56638237	+	2.28E-36	2.42367E-34	0.267945	hyper	sig	chr19_56638237
chr16	89383649	89383649	+	2.282E-36	2.42567E-34	-0.30096	hypo	sig	chr16_89383649
chr7	42493620	42493620	+	2.287E-36	2.43096E-34	0.228486	hyper	sig	chr7_42493620
chr12	1.13E+08	113479600	+	2.296E-36	2.44029E-34	0.306571	hyper	sig	chr12_113479600
chr6	32058879	32058879	+	2.305E-36	2.44912E-34	-0.31752	hypo	sig	chr6_32058879
chr12	72273597	72273597	+	2.308E-36	2.45205E-34	0.267505	hyper	sig	chr12_72273597
chr8	2034752	2034752	+	2.317E-36	2.46182E-34	-0.37548	hypo	sig	chr8_2034752
chr3	1.25E+08	125142048	+	2.353E-36	2.49943E-34	0.30923	hyper	sig	chr3_125142048
chr14	1.01E+08	101064596	+	2.363E-36	2.50952E-34	-0.296	hypo	sig	chr14_101064596
chr17	48621519	48621519	+	2.364E-36	2.51011E-34	-0.31247	hypo	sig	chr17_48621519
chr16	85624633	85624633	+	2.365E-36	2.51079E-34	-0.21349	hypo	sig	chr16_85624633
chr10	1.05E+08	104641564	+	2.376E-36	2.52216E-34	0.332908	hyper	sig	chr10_104641564
chr16	89154148	89154148	+	2.379E-36	2.52589E-34	-0.26871	hypo	sig	chr16_89154148
chr8	1.16E+08	115648408	+	2.382E-36	2.52785E-34	0.308191	hyper	sig	chr8_115648408
chr8	54457919	54457919	+	2.384E-36	2.53017E-34	0.389899	hyper	sig	chr8_54457919
chr12	54053884	54053884	+	2.385E-36	2.53065E-34	0.27653	hyper	sig	chr12_54053884
chr7	1.59E+08	159144047	+	2.397E-36	2.54346E-34	0.334148	hyper	sig	chr7_159144047
chr5	1.41E+08	141431210	+	2.406E-36	2.55199E-34	0.286856	hyper	sig	chr5_141431210
chr11	32438066	32438066	+	2.412E-36	2.55776E-34	0.309695	hyper	sig	chr11_32438066
chr5	2094354	2094354	+	2.412E-36	2.55776E-34	-0.28483	hypo	sig	chr5_2094354
chr11	1.29E+08	128696114	+	2.418E-36	2.56405E-34	-0.37817	hypo	sig	chr11_128696114
chr15	83283161	83283161	+	2.42E-36	2.56594E-34	0.305623	hyper	sig	chr15_83283161
chr16	2183929	2183929	+	2.431E-36	2.57771E-34	-0.25809	hypo	sig	chr16_2183929
chr5	1.17E+08	116576605	+	2.448E-36	2.59443E-34	0.279014	hyper	sig	chr5_116576605
chr15	88255424	88255424	+	2.452E-36	2.59925E-34	0.22759	hyper	sig	chr15_88255424

chr16	10183388	10183388	+	2.453E-36	2.59939E-34	0.202395	hyper	sig	chr16_10183388
chr8	1.08E+08	108083197	+	2.455E-36	2.60114E-34	0.263457	hyper	sig	chr8_108083197
chr13	78596883	78596883	+	2.465E-36	2.61205E-34	0.242242	hyper	sig	chr13_78596883
chr2	1.39E+08	138780156	+	2.486E-36	2.63356E-34	0.27897	hyper	sig	chr2_138780156
chr6	1.67E+08	166779033	+	2.504E-36	2.65218E-34	-0.24228	hypo	sig	chr6_166779033
chr17	36464850	36464850	+	2.509E-36	2.65672E-34	0.360041	hyper	sig	chr17_36464850
chr2	1.28E+08	127681446	+	2.554E-36	2.70363E-34	-0.35674	hypo	sig	chr2_127681446
chr14	28767967	28767967	+	2.58E-36	2.731E-34	0.321777	hyper	sig	chr14_28767967
chr14	23365670	23365670	+	2.586E-36	2.73657E-34	0.202042	hyper	sig	chr14_23365670
chr1	2.28E+08	228149093	+	2.607E-36	2.75902E-34	-0.35002	hypo	sig	chr1_228149093
chr11	1075776	1075776	+	2.622E-36	2.77388E-34	-0.29225	hypo	sig	chr11_1075776
chr5	1.71E+08	171317023	+	2.633E-36	2.78569E-34	0.243366	hyper	sig	chr5_171317023
chr10	3399219	3399219	+	2.636E-36	2.78822E-34	-0.37538	hypo	sig	chr10_3399219
chr4	80266037	80266037	+	2.641E-36	2.79348E-34	0.258329	hyper	sig	chr4_80266037
chr16	361297	361297	+	2.664E-36	2.81662E-34	-0.3126	hypo	sig	chr16_361297
chr1	50417241	50417241	+	2.696E-36	2.85042E-34	0.238976	hyper	sig	chr1_50417241
chr4	1.74E+08	173531346	+	2.699E-36	2.85319E-34	0.271216	hyper	sig	chr4_173531346
chr16	918021	918021	+	2.727E-36	2.88225E-34	0.247032	hyper	sig	chr16_918021
chr16	85624579	85624579	+	2.729E-36	2.88404E-34	-0.25109	hypo	sig	chr16_85624579
chr5	1.14E+08	114055989	+	2.732E-36	2.88647E-34	0.278936	hyper	sig	chr5_114055989
chr2	1.82E+08	181684059	+	2.755E-36	2.90998E-34	0.318607	hyper	sig	chr2_181684059
chr15	63321813	63321813	+	2.755E-36	2.91001E-34	-0.43123	hypo	sig	chr15_63321813
chr4	1.72E+08	171813606	+	2.759E-36	2.91401E-34	0.28481	hyper	sig	chr4_171813606
chr2	2.35E+08	235027833	+	2.766E-36	2.92085E-34	-0.30096	hypo	sig	chr2_235027833
chr1	1.14E+08	114154434	+	2.771E-36	2.92587E-34	0.223369	hyper	sig	chr1_114154434
chr16	51151586	51151586	+	2.778E-36	2.9322E-34	0.299204	hyper	sig	chr16_51151586
chr4	21304320	21304320	+	2.787E-36	2.94204E-34	0.262321	hyper	sig	chr4_21304320
chr2	1.13E+08	113275970	+	2.826E-36	2.98279E-34	0.305791	hyper	sig	chr2_113275970
chr12	53973014	53973014	+	2.847E-36	3.00395E-34	0.369558	hyper	sig	chr12_53973014
chr4	7193330	7193330	+	2.849E-36	3.00581E-34	0.24239	hyper	sig	chr4_7193330
chr10	1.01E+08	101227760	+	2.875E-36	3.03298E-34	0.2818	hyper	sig	chr10_101227760
chr6	37705976	37705976	+	2.879E-36	3.03691E-34	0.267243	hyper	sig	chr6_37705976
chr2	74415756	74415756	+	2.886E-36	3.04339E-34	0.280313	hyper	sig	chr2_74415756
chr2	1.85E+08	184597757	+	2.888E-36	3.045E-34	0.305833	hyper	sig	chr2_184597757
chr5	1.71E+08	171308213	+	2.9E-36	3.0581E-34	0.265884	hyper	sig	chr5_171308213
chr8	1.01E+08	100900104	+	2.901E-36	3.05822E-34	-0.31327	hypo	sig	chr8_100900104
chr2	74516279	74516279	+	2.905E-36	3.06256E-34	0.25189	hyper	sig	chr2_74516279
chr13	1.12E+08	112067459	+	2.918E-36	3.07509E-34	0.263078	hyper	sig	chr13_112067459
chr19	37551241	37551241	+	2.921E-36	3.07799E-34	0.310766	hyper	sig	chr19_37551241
chr12	53927527	53927527	+	2.924E-36	3.08093E-34	0.296398	hyper	sig	chr12_53927527
chr17	76917286	76917286	+	2.927E-36	3.08332E-34	-0.29498	hypo	sig	chr17_76917286
chr10	1.16E+08	116272142	+	2.929E-36	3.08552E-34	0.258537	hyper	sig	chr10_116272142
chr12	1.11E+08	111035877	+	2.943E-36	3.09889E-34	0.260915	hyper	sig	chr12_111035877
chr4	1.33E+08	133151121	+	2.943E-36	3.09909E-34	0.32848	hyper	sig	chr4_133151121
chr17	83014471	83014471	+	2.947E-36	3.10226E-34	-0.28096	hypo	sig	chr17_83014471
chr11	32439212	32439212	+	2.952E-36	3.10765E-34	0.21791	hyper	sig	chr11_32439212
chr5	1.71E+08	170508233	+	2.953E-36	3.10803E-34	-0.30369	hypo	sig	chr5_170508233
chr5	1.35E+08	135039065	+	2.957E-36	3.11262E-34	0.308625	hyper	sig	chr5_135039065
chr1	1.47E+08	147073227	+	2.959E-36	3.11377E-34	0.294485	hyper	sig	chr1_147073227
chr19	817794	817794	+	2.965E-36	3.11968E-34	-0.26366	hypo	sig	chr19_817794
chr15	43800200	43800200	+	2.985E-36	3.14057E-34	-0.25082	hypo	sig	chr15_43800200
chr3	1.25E+08	125357094	+	2.991E-36	3.14579E-34	0.443096	hyper	sig	chr3_125357094
chr19	18931983	18931983	+	3.009E-36	3.16354E-34	-0.38492	hypo	sig	chr19_18931983
chr20	16574581	16574581	+	3.014E-36	3.16884E-34	-0.3063	hypo	sig	chr20_16574581
chr1	3063555	3063555	+	3.059E-36	3.21569E-34	0.281984	hyper	sig	chr1_3063555
chr18	12254378	12254378	+	3.06E-36	3.21663E-34	0.325681	hyper	sig	chr18_12254378

chr19	53521082	53521082	+	3.061E-36	3.21663E-34	0.211525	hyper	sig	chr19_53521082
chr11	20669315	20669315	+	3.067E-36	3.22267E-34	0.381109	hyper	sig	chr11_20669315
chr17	17561848	17561848	+	3.076E-36	3.23211E-34	-0.2782	hypo	sig	chr17_17561848
chr12	4910782	4910782	+	3.083E-36	3.23856E-34	0.251055	hyper	sig	chr12_4910782
chr17	81941433	81941433	+	3.086E-36	3.241E-34	-0.31315	hypo	sig	chr17_81941433
chr5	1.34E+08	134113900	+	3.086E-36	3.241E-34	0.238977	hyper	sig	chr5_134113900
chr2	53860097	53860097	+	3.122E-36	3.27895E-34	0.423868	hyper	sig	chr2_53860097
chr1	1.19E+08	119000482	+	3.126E-36	3.28279E-34	0.318126	hyper	sig	chr1_119000482
chr13	27795410	27795410	+	3.149E-36	3.30646E-34	0.282774	hyper	sig	chr13_27795410
chr4	1.67E+08	167234099	+	3.162E-36	3.31939E-34	0.24259	hyper	sig	chr4_167234099
chr2	5692885	5692885	+	3.174E-36	3.33143E-34	0.325174	hyper	sig	chr2_5692885
chr1	929513	929513	+	3.184E-36	3.34107E-34	-0.31011	hypo	sig	chr1_929513
chr5	1.14E+08	114055959	+	3.192E-36	3.34922E-34	0.319183	hyper	sig	chr5_114055959
chr3	1.43E+08	143121320	+	3.194E-36	3.3515E-34	0.315126	hyper	sig	chr3_143121320
chr13	95552926	95552926	+	3.219E-36	3.37649E-34	0.409082	hyper	sig	chr13_95552926
chr7	1.51E+08	151392675	+	3.219E-36	3.37698E-34	-0.30127	hypo	sig	chr7_151392675
chr2	1.15E+08	115162652	+	3.222E-36	3.37889E-34	0.342371	hyper	sig	chr2_115162652
chr7	1.55E+08	155340940	+	3.224E-36	3.38121E-34	-0.26956	hypo	sig	chr7_155340940
chr9	97853482	97853482	+	3.226E-36	3.38194E-34	0.342854	hyper	sig	chr9_97853482
chr16	81584122	81584122	+	3.26E-36	3.41709E-34	-0.30565	hypo	sig	chr16_81584122
chr16	77788519	77788519	+	3.286E-36	3.44458E-34	0.222256	hyper	sig	chr16_77788519
chr11	67464411	67464411	+	3.292E-36	3.45006E-34	-0.24361	hypo	sig	chr11_67464411
chr11	64223123	64223123	+	3.296E-36	3.45343E-34	-0.2314	hypo	sig	chr11_64223123
chr16	86515289	86515289	+	3.346E-36	3.50525E-34	0.303432	hyper	sig	chr16_86515289
chr5	1.34E+08	134114009	+	3.378E-36	3.53746E-34	0.261579	hyper	sig	chr5_134114009
chr17	18634738	18634738	+	3.43E-36	3.59187E-34	0.280928	hyper	sig	chr17_18634738
chr17	65538451	65538451	+	3.435E-36	3.59675E-34	-0.32764	hypo	sig	chr17_65538451
chr16	72961278	72961278	+	3.443E-36	3.60465E-34	-0.30421	hypo	sig	chr16_72961278
chr17	74671562	74671562	+	3.446E-36	3.60718E-34	0.32012	hyper	sig	chr17_74671562
chr1	20553124	20553124	+	3.477E-36	3.63871E-34	0.321652	hyper	sig	chr1_20553124
chr14	26598710	26598710	+	3.478E-36	3.63927E-34	0.304113	hyper	sig	chr14_26598710
chr2	63055893	63055893	+	3.478E-36	3.63927E-34	0.2062	hyper	sig	chr2_63055893
chr7	96997776	96997776	+	3.485E-36	3.64559E-34	0.266424	hyper	sig	chr7_96997776
chr16	51151114	51151114	+	3.489E-36	3.64986E-34	0.471999	hyper	sig	chr16_51151114
chr11	278462	278462	+	3.493E-36	3.65365E-34	-0.29075	hypo	sig	chr11_278462
chr13	42574142	42574142	+	3.499E-36	3.65912E-34	0.26073	hyper	sig	chr13_42574142
chr12	72271991	72271991	+	3.526E-36	3.68654E-34	0.245689	hyper	sig	chr12_72271991
chr19	22286405	22286405	+	3.53E-36	3.6906E-34	0.335343	hyper	sig	chr19_22286405
chr7	1169867	1169867	+	3.558E-36	3.71909E-34	0.271136	hyper	sig	chr7_1169867
chr22	41923777	41923777	+	3.57E-36	3.73139E-34	-0.25623	hypo	sig	chr22_41923777
chr12	4909980	4909980	+	3.603E-36	3.76522E-34	0.333615	hyper	sig	chr12_4909980
chr8	1.23E+08	123182952	+	3.608E-36	3.77085E-34	-0.27707	hypo	sig	chr8_123182952
chr10	55628378	55628378	+	3.615E-36	3.7776E-34	0.287196	hyper	sig	chr10_55628378
chr1	10672815	10672815	+	3.623E-36	3.78481E-34	0.237227	hyper	sig	chr1_10672815
chr17	81841673	81841673	+	3.623E-36	3.78481E-34	-0.32049	hypo	sig	chr17_81841673
chr5	1.73E+08	173245646	+	3.64E-36	3.80149E-34	0.349632	hyper	sig	chr5_173245646
chr5	1931459	1931459	+	3.64E-36	3.80157E-34	0.234888	hyper	sig	chr5_1931459
chr15	89409128	89409128	+	3.643E-36	3.80418E-34	0.326522	hyper	sig	chr15_89409128
chr13	1.1E+08	110434937	+	3.662E-36	3.82331E-34	-0.3357	hypo	sig	chr13_110434937
chr6	50849629	50849629	+	3.674E-36	3.83528E-34	0.262671	hyper	sig	chr6_50849629
chr1	58249860	58249860	+	3.696E-36	3.85808E-34	0.253352	hyper	sig	chr1_58249860
chr1	37033098	37033098	+	3.726E-36	3.88878E-34	0.229302	hyper	sig	chr1_37033098
chr19	43624257	43624257	+	3.737E-36	3.90002E-34	-0.35764	hypo	sig	chr19_43624257
chr13	1.01E+08	101416831	+	3.749E-36	3.91097E-34	0.299466	hyper	sig	chr13_101416831
chr13	1.08E+08	108214760	+	3.755E-36	3.91711E-34	0.2728	hyper	sig	chr13_108214760
chr18	11751498	11751498	+	3.767E-36	3.92854E-34	0.295991	hyper	sig	chr18_11751498

chr5	1.35E+08	135027631	+	3.809E-36	3.97191E-34	0.378571	hyper	sig	chr5_135027631
chr20	46057412	46057412	+	3.815E-36	3.97733E-34	0.275624	hyper	sig	chr20_46057412
chr6	10385604	10385604	+	3.815E-36	3.97744E-34	0.301428	hyper	sig	chr6_10385604
chr9	1.1E+08	109640222	+	3.82E-36	3.98182E-34	0.243403	hyper	sig	chr9_109640222
chr6	28635087	28635087	+	3.821E-36	3.9822E-34	0.251231	hyper	sig	chr6_28635087
chr16	58464617	58464617	+	3.832E-36	3.99321E-34	0.236598	hyper	sig	chr16_58464617
chr1	15101676	15101676	+	3.845E-36	4.00565E-34	-0.31401	hypo	sig	chr1_15101676
chr5	54883787	54883787	+	3.845E-36	4.00615E-34	0.253147	hyper	sig	chr5_54883787
chr5	50969777	50969777	+	3.883E-36	4.04316E-34	0.246316	hyper	sig	chr5_50969777
chr22	19937612	19937612	+	3.902E-36	4.06283E-34	-0.34696	hypo	sig	chr22_19937612
chr1	58249867	58249867	+	3.904E-36	4.06426E-34	0.25723	hyper	sig	chr1_58249867
chr4	54101303	54101303	+	3.905E-36	4.06455E-34	0.358954	hyper	sig	chr4_54101303
chr3	1.27E+08	126520278	+	3.911E-36	4.07112E-34	-0.2562	hypo	sig	chr3_126520278
chr4	1.76E+08	176001855	+	3.912E-36	4.07112E-34	0.302852	hyper	sig	chr4_176001855
chr8	66961930	66961930	+	3.914E-36	4.07287E-34	0.371541	hyper	sig	chr8_66961930
chr6	1E+08	100447290	+	3.916E-36	4.07483E-34	0.250728	hyper	sig	chr6_100447290
chr5	1.46E+08	146339153	+	3.93E-36	4.08824E-34	0.28854	hyper	sig	chr5_146339153
chr4	7035003	7035003	+	3.935E-36	4.09346E-34	-0.28978	hypo	sig	chr4_7035003
chr13	35478886	35478886	+	3.95E-36	4.10832E-34	0.331665	hyper	sig	chr13_35478886
chr1	1.19E+08	118986715	+	3.951E-36	4.10881E-34	0.262104	hyper	sig	chr1_118986715
chr16	85485511	85485511	+	3.967E-36	4.1249E-34	-0.20808	hypo	sig	chr16_85485511
chr6	10381574	10381574	+	3.986E-36	4.14374E-34	0.302689	hyper	sig	chr6_10381574
chr17	19753291	19753291	+	4.001E-36	4.15898E-34	-0.27997	hypo	sig	chr17_19753291
chr14	62117785	62117785	+	4.011E-36	4.16859E-34	0.287422	hyper	sig	chr14_62117785
chr13	78596870	78596870	+	4.03E-36	4.18864E-34	0.262703	hyper	sig	chr13_78596870
chr8	56446154	56446154	+	4.042E-36	4.19987E-34	0.368705	hyper	sig	chr8_56446154
chr2	44801693	44801693	+	4.053E-36	4.21033E-34	0.310359	hyper	sig	chr2_44801693
chr14	36663577	36663577	+	4.07E-36	4.22789E-34	0.218807	hyper	sig	chr14_36663577
chr13	78596906	78596906	+	4.072E-36	4.22897E-34	0.232157	hyper	sig	chr13_78596906
chr7	24284341	24284341	+	4.074E-36	4.2302E-34	0.289069	hyper	sig	chr7_24284341
chr10	1.3E+08	129969894	+	4.077E-36	4.23321E-34	0.242111	hyper	sig	chr10_129969894
chr19	57935390	57935390	+	4.083E-36	4.2384E-34	0.302336	hyper	sig	chr19_57935390
chr16	7303485	7303485	+	4.086E-36	4.24147E-34	0.364857	hyper	sig	chr16_7303485
chr19	18932038	18932038	+	4.087E-36	4.24164E-34	-0.32669	hypo	sig	chr19_18932038
chr16	62036339	62036339	+	4.092E-36	4.24648E-34	0.288344	hyper	sig	chr16_62036339
chr4	1.76E+08	176001615	+	4.107E-36	4.26129E-34	0.320886	hyper	sig	chr4_176001615
chr2	44955014	44955014	+	4.136E-36	4.29168E-34	0.224783	hyper	sig	chr2_44955014
chr11	32429045	32429045	+	4.143E-36	4.29744E-34	0.259772	hyper	sig	chr11_32429045
chr1	2.28E+08	228149802	+	4.147E-36	4.30121E-34	-0.32583	hypo	sig	chr1_228149802
chr5	1.11E+08	111070828	+	4.163E-36	4.31767E-34	0.289989	hyper	sig	chr5_111070828
chr1	3068031	3068031	+	4.201E-36	4.35655E-34	0.236344	hyper	sig	chr1_3068031
chr1	2.29E+08	229434132	+	4.239E-36	4.39573E-34	0.246461	hyper	sig	chr1_229434132
chr8	72538341	72538341	+	4.251E-36	4.407E-34	0.34678	hyper	sig	chr8_72538341
chr2	83878373	83878373	+	4.269E-36	4.42505E-34	-0.26104	hypo	sig	chr2_83878373
chr3	1.47E+08	147413301	+	4.28E-36	4.43632E-34	0.312947	hyper	sig	chr3_147413301
chr12	53961699	53961699	+	4.295E-36	4.44995E-34	0.296243	hyper	sig	chr12_53961699
chr7	1169891	1169891	+	4.303E-36	4.45776E-34	0.27048	hyper	sig	chr7_1169891
chr1	44407963	44407963	+	4.305E-36	4.45917E-34	0.315523	hyper	sig	chr1_44407963
chr11	8169058	8169058	+	4.316E-36	4.46998E-34	0.261793	hyper	sig	chr11_8169058
chr6	1.5E+08	149964708	+	4.317E-36	4.4707E-34	0.269581	hyper	sig	chr6_149964708
chr6	57800214	57800214	+	4.318E-36	4.47133E-34	0.32424	hyper	sig	chr6_57800214
chr12	1.13E+08	113476046	+	4.378E-36	4.53292E-34	0.313978	hyper	sig	chr12_113476046
chr4	1349090	1349090	+	4.381E-36	4.53513E-34	-0.28083	hypo	sig	chr4_1349090
chr16	90000361	90000361	+	4.385E-36	4.5395E-34	-0.31201	hypo	sig	chr16_90000361
chr22	41699380	41699380	+	4.396E-36	4.54986E-34	0.279254	hyper	sig	chr22_41699380
chr1	1.47E+08	147073263	+	4.403E-36	4.55619E-34	0.299689	hyper	sig	chr1_147073263

chr11	1.06E+08	105610577	+	4.429E-36	4.58296E-34	0.275951	hyper	sig	chr11_105610577
chr7	1.51E+08	151380338	+	4.451E-36	4.60526E-34	-0.27787	hypo	sig	chr7_151380338
chr4	80185618	80185618	+	4.474E-36	4.62858E-34	0.293076	hyper	sig	chr4_80185618
chr19	53308687	53308687	+	4.495E-36	4.64918E-34	0.294329	hyper	sig	chr19_53308687
chr13	1.02E+08	101917465	+	4.51E-36	4.66395E-34	0.307174	hyper	sig	chr13_101917465
chr1	6466072	6466072	+	4.516E-36	4.66893E-34	0.278461	hyper	sig	chr1_6466072
chr7	1.59E+08	159093399	+	4.518E-36	4.67032E-34	-0.28913	hypo	sig	chr7_159093399
chr14	97219095	97219095	+	4.534E-36	4.68719E-34	0.20452	hyper	sig	chr14_97219095
chr4	2430565	2430565	+	4.574E-36	4.72643E-34	-0.36682	hypo	sig	chr4_2430565
chr4	30721679	30721679	+	4.574E-36	4.72643E-34	0.308706	hyper	sig	chr4_30721679
chr13	1.08E+08	108214775	+	4.59E-36	4.74287E-34	0.287987	hyper	sig	chr13_108214775
chr10	1.32E+08	132485058	+	4.61E-36	4.76328E-34	-0.23228	hypo	sig	chr10_132485058
chr20	46513690	46513690	+	4.624E-36	4.77648E-34	0.254716	hyper	sig	chr20_46513690
chr19	53521552	53521552	+	4.646E-36	4.79897E-34	0.300094	hyper	sig	chr19_53521552
chr10	16520672	16520672	+	4.684E-36	4.83717E-34	0.302245	hyper	sig	chr10_16520672
chr15	28832501	28832501	+	4.686E-36	4.8388E-34	0.306643	hyper	sig	chr15_28832501
chr20	63494921	63494921	+	4.687E-36	4.83982E-34	-0.30545	hypo	sig	chr20_63494921
chr12	78865095	78865095	+	4.718E-36	4.87065E-34	0.271354	hyper	sig	chr12_78865095
chr7	1.57E+08	157004285	+	4.72E-36	4.8726E-34	0.282088	hyper	sig	chr7_157004285
chr14	1.04E+08	104357717	+	4.746E-36	4.89805E-34	-0.29183	hypo	sig	chr14_104357717
chr21	33025918	33025918	+	4.746E-36	4.89805E-34	0.354738	hyper	sig	chr21_33025918
chr16	81493462	81493462	+	4.756E-36	4.90707E-34	-0.2903	hypo	sig	chr16_81493462
chr16	89916099	89916099	+	4.772E-36	4.92312E-34	-0.30335	hypo	sig	chr16_89916099
chr13	1.12E+08	112104177	+	4.775E-36	4.9253E-34	0.240676	hyper	sig	chr13_112104177
chr4	1.44E+08	143700273	+	4.778E-36	4.92848E-34	0.394325	hyper	sig	chr4_143700273
chr11	32429043	32429043	+	4.804E-36	4.95403E-34	0.259977	hyper	sig	chr11_32429043
chr5	63961901	63961901	+	4.827E-36	4.97723E-34	0.255335	hyper	sig	chr5_63961901
chr17	74671570	74671570	+	4.835E-36	4.98561E-34	0.309934	hyper	sig	chr17_74671570
chr17	64779917	64779917	+	4.845E-36	4.99456E-34	0.338367	hyper	sig	chr17_64779917
chr8	26049740	26049740	+	4.852E-36	5.00121E-34	0.26947	hyper	sig	chr8_26049740
chr13	35478920	35478920	+	4.859E-36	5.00805E-34	0.299101	hyper	sig	chr13_35478920
chr16	89202333	89202333	+	4.888E-36	5.03713E-34	0.240614	hyper	sig	chr16_89202333
chr12	15221281	15221281	+	4.909E-36	5.05848E-34	0.352823	hyper	sig	chr12_15221281
chr19	21463713	21463713	+	4.916E-36	5.06402E-34	0.381306	hyper	sig	chr19_21463713
chr4	1.07E+08	107036205	+	4.916E-36	5.06402E-34	0.263519	hyper	sig	chr4_107036205
chr16	89817560	89817560	+	4.928E-36	5.07538E-34	-0.33574	hypo	sig	chr16_89817560
chr17	74351816	74351816	+	4.967E-36	5.1158E-34	0.390463	hyper	sig	chr17_74351816
chr6	62286683	62286683	+	4.97E-36	5.11756E-34	0.435388	hyper	sig	chr6_62286683
chr7	5303594	5303594	+	4.983E-36	5.13022E-34	-0.24775	hypo	sig	chr7_5303594
chr11	65557680	65557680	+	4.989E-36	5.13653E-34	0.279052	hyper	sig	chr11_65557680
chr14	28774102	28774102	+	5.022E-36	5.16973E-34	0.308214	hyper	sig	chr14_28774102
chr10	1478701	1478701	+	5.063E-36	5.21135E-34	-0.29177	hypo	sig	chr10_1478701
chr3	1.8E+08	180036451	+	5.082E-36	5.22945E-34	0.305799	hyper	sig	chr3_180036451
chr7	5300671	5300671	+	5.152E-36	5.30104E-34	-0.25047	hypo	sig	chr7_5300671
chr8	17495340	17495340	+	5.185E-36	5.33479E-34	-0.28722	hypo	sig	chr8_17495340
chr1	2378735	2378735	+	5.214E-36	5.36262E-34	-0.2508	hypo	sig	chr1_2378735
chr20	46057424	46057424	+	5.254E-36	5.40271E-34	0.271569	hyper	sig	chr20_46057424
chr1	57422942	57422942	+	5.263E-36	5.41116E-34	0.228825	hyper	sig	chr1_57422942
chr8	1.43E+08	142515420	+	5.296E-36	5.44466E-34	-0.33081	hypo	sig	chr8_142515420
chr8	1.08E+08	108083054	+	5.372E-36	5.5217E-34	0.318867	hyper	sig	chr8_108083054
chr22	45893845	45893845	+	5.375E-36	5.52469E-34	-0.26973	hypo	sig	chr22_45893845
chr7	45921883	45921883	+	5.432E-36	5.58272E-34	0.253341	hyper	sig	chr7_45921883
chr10	1.32E+08	132487305	+	5.443E-36	5.59236E-34	-0.24738	hypo	sig	chr10_132487305
chr16	81493645	81493645	+	5.448E-36	5.5977E-34	-0.24537	hypo	sig	chr16_81493645
chr16	51151193	51151193	+	5.451E-36	5.59943E-34	0.364332	hyper	sig	chr16_51151193
chr3	1.47E+08	147410404	+	5.451E-36	5.59943E-34	0.296522	hyper	sig	chr3_147410404

chr16	62036336	62036336	+	5.476E-36	5.62332E-34	0.288101	hyper	sig	chr16_62036336
chr1	3275051	3275051	+	5.489E-36	5.63562E-34	-0.25716	hypo	sig	chr1_3275051
chr16	912862	912862	+	5.493E-36	5.63879E-34	0.246073	hyper	sig	chr16_912862
chr16	1038448	1038448	+	5.493E-36	5.63879E-34	-0.28278	hypo	sig	chr16_1038448
chr6	32221199	32221199	+	5.501E-36	5.64622E-34	-0.28895	hypo	sig	chr6_32221199
chr1	2E+08	200041110	+	5.503E-36	5.64769E-34	0.239499	hyper	sig	chr1_200041110
chr5	1194071	1194071	+	5.579E-36	5.72499E-34	-0.36602	hypo	sig	chr5_1194071
chr19	53963284	53963284	+	5.591E-36	5.73635E-34	0.410837	hyper	sig	chr19_53963284
chr4	1.22E+08	121765397	+	5.594E-36	5.73851E-34	0.261209	hyper	sig	chr4_121765397
chr12	54047661	54047661	+	5.614E-36	5.75819E-34	0.383653	hyper	sig	chr12_54047661
chr10	22345295	22345295	+	5.646E-36	5.79015E-34	0.276238	hyper	sig	chr10_22345295
chr8	96159732	96159732	+	5.65E-36	5.79382E-34	0.279341	hyper	sig	chr8_96159732
chr13	1.12E+08	112067464	+	5.698E-36	5.84182E-34	0.274813	hyper	sig	chr13_112067464
chr8	1.43E+08	142676065	+	5.73E-36	5.87325E-34	-0.2502	hypo	sig	chr8_142676065
chr4	1.33E+08	133147444	+	5.75E-36	5.89357E-34	0.288051	hyper	sig	chr4_133147444
chr7	988369	988369	+	5.751E-36	5.89367E-34	-0.27498	hypo	sig	chr7_988369
chr11	31804290	31804290	+	5.761E-36	5.9036E-34	0.223109	hyper	sig	chr11_31804290
chr1	1.19E+08	118989605	+	5.794E-36	5.93626E-34	0.25585	hyper	sig	chr1_118989605
chr16	88409736	88409736	+	5.797E-36	5.93844E-34	-0.29148	hypo	sig	chr16_88409736
chr7	71131391	71131391	+	5.809E-36	5.95012E-34	0.292344	hyper	sig	chr7_71131391
chr19	49133070	49133070	+	5.816E-36	5.95627E-34	0.356657	hyper	sig	chr19_49133070
chr14	96592482	96592482	+	5.915E-36	6.05633E-34	0.229714	hyper	sig	chr14_96592482
chr17	68198684	68198684	+	5.939E-36	6.0795E-34	0.222814	hyper	sig	chr17_68198684
chr8	1333560	1333560	+	5.939E-36	6.0795E-34	-0.29616	hypo	sig	chr8_1333560
chr12	1.28E+08	128366062	+	5.944E-36	6.08337E-34	0.255529	hyper	sig	chr12_128366062
chr6	84764691	84764691	+	5.958E-36	6.09691E-34	0.23701	hyper	sig	chr6_84764691
chr19	40568111	40568111	+	5.998E-36	6.13783E-34	0.277657	hyper	sig	chr19_40568111
chr16	86494740	86494740	+	6.03E-36	6.16954E-34	0.28934	hyper	sig	chr16_86494740
chr7	97007334	97007334	+	6.041E-36	6.17966E-34	0.265661	hyper	sig	chr7_97007334
chr7	1.58E+08	158451000	+	6.103E-36	6.24295E-34	-0.29228	hypo	sig	chr7_158451000
chr2	1.13E+08	113276004	+	6.107E-36	6.24625E-34	0.297455	hyper	sig	chr2_113276004
chr1	90719660	90719660	+	6.115E-36	6.25374E-34	0.336796	hyper	sig	chr1_90719660
chr10	1.16E+08	116272526	+	6.214E-36	6.35417E-34	0.296679	hyper	sig	chr10_116272526
chr18	12254423	12254423	+	6.281E-36	6.42118E-34	0.345018	hyper	sig	chr18_12254423
chr7	1.58E+08	157689572	+	6.286E-36	6.42542E-34	0.334158	hyper	sig	chr7_157689572
chr7	19117640	19117640	+	6.317E-36	6.45641E-34	0.222275	hyper	sig	chr7_19117640
chr4	1.72E+08	171813302	+	6.328E-36	6.4668E-34	0.370702	hyper	sig	chr4_171813302
chr12	1.03E+08	102961345	+	6.361E-36	6.50002E-34	0.296659	hyper	sig	chr12_102961345
chr19	43624283	43624283	+	6.372E-36	6.5108E-34	-0.42206	hypo	sig	chr19_43624283
chr5	64506604	64506604	+	6.415E-36	6.55323E-34	0.234408	hyper	sig	chr5_64506604
chr5	1.71E+08	171308343	+	6.436E-36	6.57438E-34	0.295874	hyper	sig	chr5_171308343
chr6	1.33E+08	133242332	+	6.454E-36	6.59212E-34	0.261949	hyper	sig	chr6_133242332
chr11	22432911	22432911	+	6.51E-36	6.64769E-34	0.337873	hyper	sig	chr11_22432911
chr2	66432939	66432939	+	6.533E-36	6.67017E-34	0.256354	hyper	sig	chr2_66432939
chr16	62036477	62036477	+	6.543E-36	6.67965E-34	0.360187	hyper	sig	chr16_62036477
chr5	1.71E+08	171308393	+	6.547E-36	6.68274E-34	0.345816	hyper	sig	chr5_171308393
chr15	83283952	83283952	+	6.565E-36	6.70103E-34	0.369666	hyper	sig	chr15_83283952
chr3	1.82E+08	181696431	+	6.602E-36	6.73728E-34	0.225143	hyper	sig	chr3_181696431
chr8	71844758	71844758	+	6.639E-36	6.77352E-34	0.271436	hyper	sig	chr8_71844758
chr20	64057383	64057383	+	6.655E-36	6.78961E-34	-0.27904	hypo	sig	chr20_64057383
chr16	89248039	89248039	+	6.657E-36	6.78982E-34	0.352677	hyper	sig	chr16_89248039
chr8	2035128	2035128	+	6.657E-36	6.78982E-34	-0.31491	hypo	sig	chr8_2035128
chr4	1.55E+08	154741293	+	6.682E-36	6.81409E-34	0.260393	hyper	sig	chr4_154741293
chr11	8168597	8168597	+	6.73E-36	6.86207E-34	0.292155	hyper	sig	chr11_8168597
chr5	1973660	1973660	+	6.754E-36	6.88571E-34	-0.2668	hypo	sig	chr5_1973660
chr8	22112739	22112739	+	6.782E-36	6.91305E-34	-0.27892	hypo	sig	chr8_22112739

chr1	3141587	3141587	+	6.833E-36	6.96482E-34	-0.2746	hypo	sig	chr1_3141587
chr6	1.66E+08	165848412	+	6.858E-36	6.98946E-34	-0.33927	hypo	sig	chr6_165848412
chr5	14414862	14414862	+	6.862E-36	6.99242E-34	0.310258	hyper	sig	chr5_14414862
chr17	42686060	42686060	+	6.894E-36	7.02399E-34	0.244031	hyper	sig	chr17_42686060
chr13	23680165	23680165	+	6.916E-36	7.04595E-34	-0.33924	hypo	sig	chr13_23680165
chr12	1.14E+08	114405496	+	6.934E-36	7.0634E-34	0.201631	hyper	sig	chr12_114405496
chr8	98947372	98947372	+	6.952E-36	7.08082E-34	0.283116	hyper	sig	chr8_98947372
chr13	25046889	25046889	+	6.971E-36	7.09905E-34	0.321421	hyper	sig	chr13_25046889
chr2	1.3E+08	129979690	+	7.009E-36	7.1371E-34	0.248897	hyper	sig	chr2_129979690
chr8	53877105	53877105	+	7.016E-36	7.14361E-34	0.330807	hyper	sig	chr8_53877105
chr6	1.08E+08	108174745	+	7.018E-36	7.14471E-34	0.300753	hyper	sig	chr6_108174745
chr2	1.13E+08	113276012	+	7.034E-36	7.15989E-34	0.296149	hyper	sig	chr2_113276012
chr13	20946329	20946329	+	7.046E-36	7.17098E-34	0.330518	hyper	sig	chr13_20946329
chr9	62800294	62800294	+	7.048E-36	7.17166E-34	0.24536	hyper	sig	chr9_62800294
chr3	1.47E+08	147412650	+	7.051E-36	7.17474E-34	0.337719	hyper	sig	chr3_147412650
chr10	7411493	7411493	+	7.089E-36	7.21154E-34	0.242901	hyper	sig	chr10_7411493
chr7	1.55E+08	155451397	+	7.169E-36	7.2926E-34	0.230339	hyper	sig	chr7_155451397
chr20	23049613	23049613	+	7.213E-36	7.33585E-34	0.266368	hyper	sig	chr20_23049613
chr11	22432606	22432606	+	7.256E-36	7.37907E-34	0.279705	hyper	sig	chr11_22432606
chr9	97848428	97848428	+	7.278E-36	7.40067E-34	0.421663	hyper	sig	chr9_97848428
chr12	1.14E+08	114400564	+	7.313E-36	7.43498E-34	0.262048	hyper	sig	chr12_114400564
chr10	1.01E+08	101223660	+	7.316E-36	7.43686E-34	0.255941	hyper	sig	chr10_101223660
chr3	1.49E+08	149019835	+	7.368E-36	7.48885E-34	-0.3411	hypo	sig	chr3_149019835
chr10	50024971	50024971	+	7.417E-36	7.53841E-34	0.280454	hyper	sig	chr10_50024971
chr13	78596833	78596833	+	7.452E-36	7.57248E-34	0.283032	hyper	sig	chr13_78596833
chr2	1.05E+08	105397515	+	7.453E-36	7.57286E-34	-0.40325	hypo	sig	chr2_105397515
chr12	1.33E+08	132904883	+	7.464E-36	7.58299E-34	0.273768	hyper	sig	chr12_132904883
chr4	65668538	65668538	+	7.474E-36	7.59244E-34	0.287066	hyper	sig	chr4_65668538
chr11	1.32E+08	131910607	+	7.515E-36	7.63336E-34	0.287215	hyper	sig	chr11_131910607
chr18	25349297	25349297	+	7.545E-36	7.66291E-34	0.245808	hyper	sig	chr18_25349297
chr22	50041864	50041864	+	7.573E-36	7.68944E-34	-0.37056	hypo	sig	chr22_50041864
chr1	50417639	50417639	+	7.581E-36	7.69577E-34	0.203477	hyper	sig	chr1_50417639
chr19	48640142	48640142	+	7.585E-36	7.69914E-34	-0.3754	hypo	sig	chr19_48640142
chr18	11752220	11752220	+	7.615E-36	7.72785E-34	0.373056	hyper	sig	chr18_11752220
chr5	1.41E+08	141431269	+	7.639E-36	7.75103E-34	0.271049	hyper	sig	chr5_141431269
chr8	4992060	4992060	+	7.681E-36	7.793E-34	0.386734	hyper	sig	chr8_4992060
chr16	77788603	77788603	+	7.744E-36	7.85618E-34	0.200461	hyper	sig	chr16_77788603
chr18	52342092	52342092	+	7.76E-36	7.87146E-34	0.25307	hyper	sig	chr18_52342092
chr20	21396331	21396331	+	7.772E-36	7.88212E-34	0.280617	hyper	sig	chr20_21396331
chr6	62285990	62285990	+	7.774E-36	7.88297E-34	0.379743	hyper	sig	chr6_62285990
chr1	6466360	6466360	+	7.799E-36	7.90741E-34	0.266858	hyper	sig	chr1_6466360
chr16	51155958	51155958	+	7.805E-36	7.91224E-34	0.333354	hyper	sig	chr16_51155958
chr17	78852962	78852962	+	7.814E-36	7.92087E-34	-0.28679	hypo	sig	chr17_78852962
chr5	84383327	84383327	+	7.83E-36	7.93553E-34	0.240368	hyper	sig	chr5_84383327
chr14	36663392	36663392	+	7.839E-36	7.9445E-34	0.235942	hyper	sig	chr14_36663392
chr19	12721107	12721107	+	7.861E-36	7.96515E-34	0.321374	hyper	sig	chr19_12721107
chr5	1.41E+08	141431033	+	7.87E-36	7.97369E-34	0.305849	hyper	sig	chr5_141431033
chr9	1.35E+08	134501210	+	7.9E-36	8.00327E-34	0.277564	hyper	sig	chr9_134501210
chr3	1.54E+08	154429021	+	7.922E-36	8.02442E-34	0.289508	hyper	sig	chr3_154429021
chr2	89611877	89611877	+	7.937E-36	8.03844E-34	0.322192	hyper	sig	chr2_89611877
chr3	1.93E+08	192514288	+	7.949E-36	8.04944E-34	0.337827	hyper	sig	chr3_192514288
chr9	1.19E+08	119369242	+	8.007E-36	8.10586E-34	0.308818	hyper	sig	chr9_119369242
chr16	3184364	3184364	+	8.013E-36	8.11129E-34	0.269751	hyper	sig	chr16_3184364
chr8	26048548	26048548	+	8.065E-36	8.16312E-34	0.310494	hyper	sig	chr8_26048548
chr6	1.5E+08	149964561	+	8.066E-36	8.16326E-34	0.234915	hyper	sig	chr6_149964561
chr2	1.13E+08	113275976	+	8.086E-36	8.1803E-34	0.2971	hyper	sig	chr2_113275976

chr3	62370610	62370610	+	8.086E-36	8.1803E-34	0.270349	hyper	sig	chr3_62370610
chr4	4861673	4861673	+	8.085E-36	8.1803E-34	0.280082	hyper	sig	chr4_4861673
chr19	7702488	7702488	+	8.148E-36	8.24162E-34	-0.28336	hypo	sig	chr19_7702488
chr19	53467555	53467555	+	8.149E-36	8.24218E-34	0.207765	hyper	sig	chr19_53467555
chr7	1.51E+08	151395997	+	8.2E-36	8.29199E-34	-0.29339	hypo	sig	chr7_151395997
chr17	65553204	65553204	+	8.208E-36	8.29931E-34	-0.31756	hypo	sig	chr17_65553204
chr5	1.41E+08	141413903	+	8.24E-36	8.3307E-34	0.271041	hyper	sig	chr5_141413903
chr10	1.28E+08	128214833	+	8.267E-36	8.35654E-34	-0.3487	hypo	sig	chr10_128214833
chr10	1.33E+08	133259374	+	8.321E-36	8.411E-34	-0.34117	hypo	sig	chr10_133259374
chr5	1.11E+08	111070832	+	8.345E-36	8.43415E-34	0.295898	hyper	sig	chr5_111070832
chr3	62378402	62378402	+	8.347E-36	8.43464E-34	0.26002	hyper	sig	chr3_62378402
chr1	1.58E+08	158181518	+	8.434E-36	8.52111E-34	0.340706	hyper	sig	chr1_158181518
chr7	1.59E+08	159093417	+	8.474E-36	8.56092E-34	-0.27133	hypo	sig	chr7_159093417
chr3	1.88E+08	187670294	+	8.521E-36	8.60761E-34	0.289883	hyper	sig	chr3_187670294
chr2	2.34E+08	233939020	+	8.56E-36	8.64614E-34	0.301875	hyper	sig	chr2_233939020
chr10	1.32E+08	132296298	+	8.566E-36	8.65026E-34	-0.26354	hypo	sig	chr10_132296298
chr17	34576698	34576698	+	8.597E-36	8.68041E-34	-0.30981	hypo	sig	chr17_34576698
chr17	81841500	81841500	+	8.6E-36	8.68323E-34	-0.3023	hypo	sig	chr17_81841500
chr13	1.14E+08	114143969	+	8.634E-36	8.71642E-34	-0.33117	hypo	sig	chr13_114143969
chr1	23949350	23949350	+	8.66E-36	8.74112E-34	-0.34317	hypo	sig	chr1_23949350
chr5	1777556	1777556	+	8.667E-36	8.74655E-34	-0.29304	hypo	sig	chr5_1777556
chr6	30172423	30172423	+	8.667E-36	8.74655E-34	0.316013	hyper	sig	chr6_30172423
chr11	1.12E+08	112499789	+	8.687E-36	8.7655E-34	-0.35946	hypo	sig	chr11_112499789
chr6	30172336	30172336	+	8.69E-36	8.76695E-34	0.321751	hyper	sig	chr6_30172336
chr1	1.77E+08	177170985	+	8.764E-36	8.84048E-34	0.211695	hyper	sig	chr1_177170985
chr1	1333553	1333553	+	8.776E-36	8.85168E-34	-0.29015	hypo	sig	chr1_1333553
chr2	20670501	20670501	+	8.782E-36	8.85648E-34	0.266337	hyper	sig	chr2_20670501
chr16	56190843	56190843	+	8.812E-36	8.88538E-34	0.275059	hyper	sig	chr16_56190843
chr1	2.36E+08	236155235	+	8.832E-36	8.90527E-34	-0.26104	hypo	sig	chr1_236155235
chr12	1.14E+08	114405621	+	8.854E-36	8.92556E-34	0.295897	hyper	sig	chr12_114405621
chr1	2.36E+08	236155245	+	8.928E-36	8.99955E-34	-0.2753	hypo	sig	chr1_236155245
chr8	22154224	22154224	+	8.952E-36	9.02259E-34	-0.28187	hypo	sig	chr8_22154224
chr13	1.12E+08	112055166	+	8.973E-36	9.04237E-34	0.267489	hyper	sig	chr13_112055166
chr16	84226291	84226291	+	8.98E-36	9.04848E-34	-0.33591	hypo	sig	chr16_84226291
chr16	89583226	89583226	+	8.999E-36	9.06667E-34	0.327603	hyper	sig	chr16_89583226
chr11	20669868	20669868	+	9.029E-36	9.09541E-34	0.386984	hyper	sig	chr11_20669868
chr6	10417439	10417439	+	9.039E-36	9.10406E-34	0.255838	hyper	sig	chr6_10417439
chr12	72271994	72271994	+	9.076E-36	9.14086E-34	0.229011	hyper	sig	chr12_72271994
chr13	77919577	77919577	+	9.08E-36	9.14201E-34	0.223519	hyper	sig	chr13_77919577
chr19	4891226	4891226	+	9.079E-36	9.14201E-34	-0.2689	hypo	sig	chr19_4891226
chr16	56190829	56190829	+	9.093E-36	9.15392E-34	0.224325	hyper	sig	chr16_56190829
chr14	28774326	28774326	+	9.232E-36	9.29297E-34	0.29292	hyper	sig	chr14_28774326
chr10	79242674	79242674	+	9.241E-36	9.30138E-34	0.415228	hyper	sig	chr10_79242674
chr3	1.38E+08	137770877	+	9.267E-36	9.32649E-34	0.311152	hyper	sig	chr3_137770877
chr3	1.25E+08	125357615	+	9.319E-36	9.37682E-34	0.34001	hyper	sig	chr3_125357615
chr10	1.28E+08	127737644	+	9.354E-36	9.41115E-34	0.277794	hyper	sig	chr10_127737644
chr4	54101301	54101301	+	9.367E-36	9.42365E-34	0.356782	hyper	sig	chr4_54101301
chr6	98824090	98824090	+	9.438E-36	9.49376E-34	0.306065	hyper	sig	chr6_98824090
chr3	1.43E+08	143121331	+	9.495E-36	9.54984E-34	0.293202	hyper	sig	chr3_143121331
chr6	28635000	28635000	+	9.517E-36	9.57024E-34	0.250411	hyper	sig	chr6_28635000
chr11	60757102	60757102	+	9.546E-36	9.59713E-34	-0.27723	hypo	sig	chr11_60757102
chr5	73627184	73627184	+	9.55E-36	9.59985E-34	-0.24335	hypo	sig	chr5_73627184
chr7	2570031	2570031	+	9.567E-36	9.61594E-34	-0.28891	hypo	sig	chr7_2570031
chr8	56447351	56447351	+	9.607E-36	9.65525E-34	0.283726	hyper	sig	chr8_56447351
chr11	43581447	43581447	+	9.614E-36	9.66095E-34	0.268347	hyper	sig	chr11_43581447
chr3	1.38E+08	137761340	+	9.623E-36	9.66887E-34	0.29681	hyper	sig	chr3_137761340

chr5	1883476	1883476	+	9.65E-36	9.69518E-34	0.233496	hyper	sig	chr5_1883476
chr8	24914837	24914837	+	9.707E-36	9.75067E-34	0.257642	hyper	sig	chr8_24914837
chr20	63178561	63178561	+	9.756E-36	9.79915E-34	0.264006	hyper	sig	chr20_63178561
chr14	28778190	28778190	+	9.766E-36	9.80743E-34	0.345383	hyper	sig	chr14_28778190
chr13	27927272	27927272	+	9.789E-36	9.82788E-34	0.387458	hyper	sig	chr13_27927272
chr4	1.55E+08	154741369	+	9.801E-36	9.8387E-34	0.267067	hyper	sig	chr4_154741369
chr19	15011359	15011359	+	9.811E-36	9.84833E-34	0.330565	hyper	sig	chr19_15011359
chr4	1.67E+08	167234113	+	9.857E-36	9.89265E-34	0.223151	hyper	sig	chr4_167234113
chr7	228027	228027	+	9.875E-36	9.9099E-34	-0.33902	hypo	sig	chr7_228027
chr4	785742	785742	+	9.893E-36	9.9265E-34	0.335342	hyper	sig	chr4_785742
chr16	1436535	1436535	+	9.899E-36	9.93112E-34	-0.35328	hypo	sig	chr16_1436535
chr17	8744717	8744717	+	9.904E-36	9.93505E-34	-0.26614	hypo	sig	chr17_8744717
chr5	3597197	3597197	+	9.929E-36	9.95898E-34	0.314471	hyper	sig	chr5_3597197
chr7	1.56E+08	156123008	+	9.953E-36	9.98182E-34	-0.26672	hypo	sig	chr7_156123008
chr8	1931542	1931542	+	9.959E-36	9.98637E-34	-0.27302	hypo	sig	chr8_1931542
chr6	1.33E+08	133242206	+	1.001E-35	1.00339E-33	0.21302	hyper	sig	chr6_133242206
chr20	38728153	38728153	+	1.006E-35	1.00807E-33	0.361778	hyper	sig	chr20_38728153
chr10	1.11E+08	110528034	+	1.013E-35	1.01583E-33	-0.35571	hypo	sig	chr10_110528034
chr4	11427903	11427903	+	1.014E-35	1.01583E-33	0.301848	hyper	sig	chr4_11427903
chr20	24469227	24469227	+	1.014E-35	1.01605E-33	0.362816	hyper	sig	chr20_24469227
chr9	1.22E+08	122219828	+	1.014E-35	1.01605E-33	0.211572	hyper	sig	chr9_122219828
chr17	48722306	48722306	+	1.017E-35	1.01889E-33	0.257641	hyper	sig	chr17_48722306
chr3	44022146	44022146	+	1.021E-35	1.02288E-33	0.278845	hyper	sig	chr3_44022146
chr1	2496953	2496953	+	1.024E-35	1.02583E-33	-0.34142	hypo	sig	chr1_2496953
chr1	1.45E+08	144551291	+	1.025E-35	1.02681E-33	0.314548	hyper	sig	chr1_144551291
chr12	1.13E+08	113479633	+	1.027E-35	1.02833E-33	0.287299	hyper	sig	chr12_113479633
chr11	34204894	34204894	+	1.029E-35	1.03048E-33	-0.30778	hypo	sig	chr11_34204894
chr2	89611899	89611899	+	1.03E-35	1.03098E-33	0.327811	hyper	sig	chr2_89611899
chr10	1.3E+08	129886582	+	1.033E-35	1.03344E-33	-0.2892	hypo	sig	chr10_129886582
chr8	41309590	41309590	+	1.037E-35	1.03735E-33	0.260846	hyper	sig	chr8_41309590
chr10	1.3E+08	129884598	+	1.041E-35	1.04168E-33	-0.2752	hypo	sig	chr10_129884598
chr12	1.04E+08	104303571	+	1.049E-35	1.04921E-33	0.321522	hyper	sig	chr12_104303571
chr3	1.47E+08	147411186	+	1.054E-35	1.05404E-33	0.341514	hyper	sig	chr3_147411186
chr7	1.5E+08	150220228	+	1.055E-35	1.05484E-33	0.377336	hyper	sig	chr7_150220228
chr13	1.12E+08	112053501	+	1.061E-35	1.06147E-33	0.300177	hyper	sig	chr13_112053501
chr5	33936202	33936202	+	1.066E-35	1.06596E-33	0.202444	hyper	sig	chr5_33936202
chr5	601117	601117	+	1.066E-35	1.06602E-33	-0.28863	hypo	sig	chr5_601117
chr1	2.08E+08	207959472	+	1.067E-35	1.06632E-33	0.202815	hyper	sig	chr1_207959472
chr16	86504460	86504460	+	1.073E-35	1.07232E-33	0.278018	hyper	sig	chr16_86504460
chr16	81493794	81493794	+	1.074E-35	1.07379E-33	-0.29767	hypo	sig	chr16_81493794
chr15	71783630	71783630	+	1.076E-35	1.07576E-33	-0.30376	hypo	sig	chr15_71783630
chr2	2.42E+08	241863739	+	1.077E-35	1.07633E-33	0.248146	hyper	sig	chr2_241863739
chr8	98949890	98949890	+	1.079E-35	1.07833E-33	0.244326	hyper	sig	chr8_98949890
chr3	13071002	13071002	+	1.084E-35	1.08316E-33	-0.31142	hypo	sig	chr3_13071002
chr5	1876306	1876306	+	1.088E-35	1.08704E-33	0.275365	hyper	sig	chr5_1876306
chr6	1.33E+08	133242641	+	1.09E-35	1.08851E-33	0.277552	hyper	sig	chr6_133242641
chr13	1.01E+08	101416795	+	1.097E-35	1.09587E-33	0.300952	hyper	sig	chr13_101416795
chr16	85947760	85947760	+	1.099E-35	1.09703E-33	-0.34319	hypo	sig	chr16_85947760
chr16	58464670	58464670	+	1.115E-35	1.11352E-33	0.230475	hyper	sig	chr16_58464670
chr22	46390954	46390954	+	1.116E-35	1.11449E-33	-0.32571	hypo	sig	chr22_46390954
chr8	79611150	79611150	+	1.124E-35	1.12178E-33	0.278191	hyper	sig	chr8_79611150
chr7	1.57E+08	157297337	+	1.126E-35	1.12372E-33	-0.34031	hypo	sig	chr7_157297337
chr11	1.24E+08	123577661	+	1.133E-35	1.13092E-33	-0.35065	hypo	sig	chr11_123577661
chr1	38134486	38134486	+	1.143E-35	1.1406E-33	0.227859	hyper	sig	chr1_38134486
chr4	1.04E+08	103720162	+	1.146E-35	1.14374E-33	0.312159	hyper	sig	chr4_103720162
chr8	56445708	56445708	+	1.154E-35	1.15095E-33	0.255105	hyper	sig	chr8_56445708

chr11	20671215	20671215	+	1.156E-35	1.15348E-33	0.291217	hyper	sig	chr11_20671215
chr2	1.19E+08	118845286	+	1.161E-35	1.15745E-33	0.214174	hyper	sig	chr2_118845286
chr12	1.3E+08	130161868	+	1.165E-35	1.16222E-33	0.2786	hyper	sig	chr12_130161868
chr1	1.19E+08	118989399	+	1.171E-35	1.16783E-33	0.292611	hyper	sig	chr1_118989399
chr20	21713867	21713867	+	1.174E-35	1.16997E-33	0.292327	hyper	sig	chr20_21713867
chr5	73444910	73444910	+	1.175E-35	1.17141E-33	0.303665	hyper	sig	chr5_73444910
chr14	1.05E+08	104564915	+	1.18E-35	1.17636E-33	-0.24671	hypo	sig	chr14_104564915
chr14	1.01E+08	101029241	+	1.183E-35	1.17862E-33	-0.30016	hypo	sig	chr14_101029241
chr2	1.15E+08	115163154	+	1.184E-35	1.17939E-33	0.290935	hyper	sig	chr2_115163154
chr14	41608134	41608134	+	1.192E-35	1.18798E-33	0.396255	hyper	sig	chr14_41608134
chr2	95025429	95025429	+	1.193E-35	1.18866E-33	0.29134	hyper	sig	chr2_95025429
chr1	1.19E+08	118989766	+	1.196E-35	1.19075E-33	0.343201	hyper	sig	chr1_118989766
chr17	18634753	18634753	+	1.2E-35	1.19495E-33	0.299494	hyper	sig	chr17_18634753
chr4	1.76E+08	176066056	+	1.209E-35	1.20383E-33	0.216506	hyper	sig	chr4_176066056
chr9	91421059	91421059	+	1.209E-35	1.20411E-33	0.266505	hyper	sig	chr9_91421059
chr13	36430803	36430803	+	1.219E-35	1.21364E-33	0.301688	hyper	sig	chr13_36430803
chr5	3602301	3602301	+	1.22E-35	1.21388E-33	0.323302	hyper	sig	chr5_3602301
chr20	46129393	46129393	+	1.231E-35	1.22521E-33	-0.30186	hypo	sig	chr20_46129393
chr9	1.3E+08	129620564	+	1.235E-35	1.22898E-33	0.408299	hyper	sig	chr9_129620564
chr10	23191089	23191089	+	1.236E-35	1.22948E-33	0.310619	hyper	sig	chr10_23191089
chr16	85642905	85642905	+	1.238E-35	1.23163E-33	-0.31839	hypo	sig	chr16_85642905
chr1	1.19E+08	118989109	+	1.243E-35	1.23541E-33	0.340427	hyper	sig	chr1_118989109
chr7	1.59E+08	159144064	+	1.242E-35	1.23541E-33	0.353716	hyper	sig	chr7_159144064
chr1	1.58E+08	158181589	+	1.244E-35	1.23656E-33	0.321671	hyper	sig	chr1_158181589
chr12	1.24E+08	123931518	+	1.244E-35	1.23656E-33	-0.34071	hypo	sig	chr12_123931518
chr3	1.38E+08	137772035	+	1.248E-35	1.24003E-33	0.210086	hyper	sig	chr3_137772035
chr4	21304408	21304408	+	1.248E-35	1.24034E-33	0.207408	hyper	sig	chr4_21304408
chr14	1.04E+08	104223723	+	1.249E-35	1.24156E-33	0.267082	hyper	sig	chr14_104223723
chr6	1.53E+08	152637354	+	1.252E-35	1.24398E-33	0.202551	hyper	sig	chr6_152637354
chr12	54053565	54053565	+	1.255E-35	1.24686E-33	0.357188	hyper	sig	chr12_54053565
chr5	3592524	3592524	+	1.256E-35	1.24766E-33	0.252921	hyper	sig	chr5_3592524
chr5	45695139	45695139	+	1.266E-35	1.25734E-33	0.357943	hyper	sig	chr5_45695139
chr4	1.33E+08	133148254	+	1.271E-35	1.26202E-33	0.306197	hyper	sig	chr4_133148254
chr16	85643298	85643298	+	1.271E-35	1.26207E-33	-0.30424	hypo	sig	chr16_85643298
chr3	68932843	68932843	+	1.274E-35	1.2647E-33	0.259085	hyper	sig	chr3_68932843
chr5	1.35E+08	135030662	+	1.277E-35	1.26816E-33	0.27471	hyper	sig	chr5_135030662
chr2	1.13E+08	113275918	+	1.279E-35	1.26961E-33	0.299208	hyper	sig	chr2_113275918
chr5	404873	404873	+	1.279E-35	1.26973E-33	-0.24039	hypo	sig	chr5_404873
chr10	14602229	14602229	+	1.289E-35	1.27921E-33	-0.27338	hypo	sig	chr10_14602229
chr5	1.41E+08	140841795	+	1.293E-35	1.28309E-33	0.28534	hyper	sig	chr5_140841795
chr1	98049536	98049536	+	1.296E-35	1.28506E-33	0.243359	hyper	sig	chr1_98049536
chr5	1.59E+08	159100778	+	1.296E-35	1.28544E-33	0.252099	hyper	sig	chr5_159100778
chr1	2378645	2378645	+	1.301E-35	1.29025E-33	-0.27593	hypo	sig	chr1_2378645
chr3	27731329	27731329	+	1.307E-35	1.29601E-33	0.356494	hyper	sig	chr3_27731329
chr10	22345814	22345814	+	1.308E-35	1.29654E-33	0.382698	hyper	sig	chr10_22345814
chr1	1926725	1926725	+	1.312E-35	1.30045E-33	-0.34122	hypo	sig	chr1_1926725
chr18	9912981	9912981	+	1.314E-35	1.30225E-33	-0.31111	hypo	sig	chr18_9912981
chr7	533606	533606	+	1.315E-35	1.30355E-33	-0.34136	hypo	sig	chr7_533606
chr17	81858753	81858753	+	1.319E-35	1.30715E-33	-0.22514	hypo	sig	chr17_81858753
chr6	29793079	29793079	+	1.323E-35	1.31038E-33	0.284551	hyper	sig	chr6_29793079
chr2	23616851	23616851	+	1.332E-35	1.32003E-33	-0.26706	hypo	sig	chr2_23616851
chr19	49049424	49049424	+	1.334E-35	1.3211E-33	-0.28074	hypo	sig	chr19_49049424
chr3	1.8E+08	180037456	+	1.335E-35	1.32171E-33	0.475158	hyper	sig	chr3_180037456
chr11	32428247	32428247	+	1.335E-35	1.3225E-33	0.320811	hyper	sig	chr11_32428247
chr21	26845393	26845393	+	1.338E-35	1.32476E-33	0.255864	hyper	sig	chr21_26845393
chr6	84764697	84764697	+	1.346E-35	1.33246E-33	0.23853	hyper	sig	chr6_84764697

chr10	34974178	34974178	+	1.346E-35	1.33249E-33	-0.42102	hypo	sig	chr10_34974178
chr5	1.36E+08	135930823	+	1.351E-35	1.33721E-33	0.322018	hyper	sig	chr5_135930823
chr8	48735198	48735198	+	1.351E-35	1.33748E-33	0.271439	hyper	sig	chr8_48735198
chr7	97007377	97007377	+	1.352E-35	1.33755E-33	0.287746	hyper	sig	chr7_97007377
chr4	41747342	41747342	+	1.354E-35	1.33923E-33	0.390207	hyper	sig	chr4_41747342
chr4	1.54E+08	154333375	+	1.355E-35	1.34082E-33	0.214634	hyper	sig	chr4_154333375
chr4	1.33E+08	133149206	+	1.356E-35	1.3415E-33	0.302047	hyper	sig	chr4_133149206
chr8	66962152	66962152	+	1.357E-35	1.34181E-33	0.241725	hyper	sig	chr8_66962152
chr1	2.29E+08	229434492	+	1.361E-35	1.34626E-33	0.274606	hyper	sig	chr1_229434492
chr10	1.28E+08	127737737	+	1.37E-35	1.35467E-33	0.315386	hyper	sig	chr10_127737737
chr2	1.72E+08	172080423	+	1.373E-35	1.35715E-33	0.262305	hyper	sig	chr2_172080423
chr7	19118315	19118315	+	1.38E-35	1.3647E-33	0.294143	hyper	sig	chr7_19118315
chr8	52941044	52941044	+	1.392E-35	1.3755E-33	0.238651	hyper	sig	chr8_52941044
chr20	21514031	21514031	+	1.396E-35	1.38009E-33	0.249983	hyper	sig	chr20_21514031
chr16	85484078	85484078	+	1.406E-35	1.38925E-33	-0.28393	hypo	sig	chr16_85484078
chr16	81493606	81493606	+	1.411E-35	1.39402E-33	-0.22259	hypo	sig	chr16_81493606
chr3	13073659	13073659	+	1.414E-35	1.39708E-33	0.227011	hyper	sig	chr3_13073659
chr1	1.47E+08	147078342	+	1.419E-35	1.40121E-33	0.324028	hyper	sig	chr1_147078342
chr9	1.1E+08	109783071	+	1.42E-35	1.40267E-33	-0.33312	hypo	sig	chr9_109783071
chr6	72623235	72623235	+	1.43E-35	1.41252E-33	0.293368	hyper	sig	chr6_72623235
chr5	77639163	77639163	+	1.449E-35	1.43055E-33	0.344275	hyper	sig	chr5_77639163
chr3	1.58E+08	158102802	+	1.465E-35	1.44664E-33	0.259167	hyper	sig	chr3_158102802
chr8	48735122	48735122	+	1.468E-35	1.44913E-33	0.273612	hyper	sig	chr8_48735122
chr1	90717094	90717094	+	1.476E-35	1.45721E-33	0.290699	hyper	sig	chr1_90717094
chr12	1.31E+08	131028100	+	1.484E-35	1.46456E-33	-0.2532	hypo	sig	chr12_131028100
chr6	10882900	10882900	+	1.487E-35	1.46718E-33	0.310318	hyper	sig	chr6_10882900
chr20	23048661	23048661	+	1.496E-35	1.47601E-33	0.265376	hyper	sig	chr20_23048661
chr1	2.35E+08	234723199	+	1.515E-35	1.49502E-33	-0.36799	hypo	sig	chr1_234723199
chr5	93588385	93588385	+	1.522E-35	1.50161E-33	0.301043	hyper	sig	chr5_93588385
chr2	1.19E+08	118856944	+	1.531E-35	1.50987E-33	0.246681	hyper	sig	chr2_118856944
chr7	93890976	93890976	+	1.537E-35	1.516E-33	0.278316	hyper	sig	chr7_93890976
chr19	23070530	23070530	+	1.546E-35	1.52387E-33	0.2651	hyper	sig	chr19_23070530
chr2	95025483	95025483	+	1.563E-35	1.54064E-33	0.276596	hyper	sig	chr2_95025483
chr16	86513929	86513929	+	1.571E-35	1.5481E-33	0.380638	hyper	sig	chr16_86513929
chr11	32431036	32431036	+	1.571E-35	1.54844E-33	0.33407	hyper	sig	chr11_32431036
chr7	1.37E+08	136868851	+	1.574E-35	1.55126E-33	0.274742	hyper	sig	chr7_136868851
chr9	88991077	88991077	+	1.576E-35	1.55245E-33	0.34884	hyper	sig	chr9_88991077
chr4	1.09E+08	109302639	+	1.579E-35	1.55565E-33	0.291778	hyper	sig	chr4_109302639
chr20	21713877	21713877	+	1.597E-35	1.57354E-33	0.306681	hyper	sig	chr20_21713877
chr8	56445589	56445589	+	1.604E-35	1.58023E-33	0.252799	hyper	sig	chr8_56445589
chr14	1.01E+08	101060850	+	1.607E-35	1.58311E-33	-0.28965	hypo	sig	chr14_101060850
chr6	1.08E+08	108171154	+	1.612E-35	1.58739E-33	0.359906	hyper	sig	chr6_108171154
chr14	1.06E+08	105769681	+	1.625E-35	1.59998E-33	-0.37588	hypo	sig	chr14_105769681
chr4	3649744	3649744	+	1.632E-35	1.60719E-33	-0.30546	hypo	sig	chr4_3649744
chr17	77373502	77373502	+	1.648E-35	1.62214E-33	0.363023	hyper	sig	chr17_77373502
chr9	37026473	37026473	+	1.65E-35	1.62429E-33	0.291547	hyper	sig	chr9_37026473
chr1	3084477	3084477	+	1.653E-35	1.62708E-33	-0.28657	hypo	sig	chr1_3084477
chr11	17722078	17722078	+	1.66E-35	1.63313E-33	0.294191	hyper	sig	chr11_17722078
chr4	1359221	1359221	+	1.66E-35	1.63313E-33	0.296651	hyper	sig	chr4_1359221
chr20	24470071	24470071	+	1.663E-35	1.63632E-33	0.310944	hyper	sig	chr20_24470071
chr2	74415369	74415369	+	1.672E-35	1.64443E-33	0.310101	hyper	sig	chr2_74415369
chr19	19534801	19534801	+	1.675E-35	1.64757E-33	-0.31178	hypo	sig	chr19_19534801
chr5	64506580	64506580	+	1.678E-35	1.65038E-33	0.232332	hyper	sig	chr5_64506580
chr7	8443744	8443744	+	1.682E-35	1.65407E-33	0.300776	hyper	sig	chr7_8443744
chr12	1.32E+08	132160197	+	1.683E-35	1.65485E-33	-0.30823	hypo	sig	chr12_132160197
chr15	89371826	89371826	+	1.686E-35	1.65746E-33	0.263193	hyper	sig	chr15_89371826

chr1	1.19E+08	119000465	+	1.69E-35	1.66088E-33	0.312836	hyper	sig	chr1_119000465
chr7	4810704	4810704	+	1.697E-35	1.66788E-33	-0.26863	hypo	sig	chr7_4810704
chr4	1.09E+08	109302641	+	1.699E-35	1.66924E-33	0.281531	hyper	sig	chr4_109302641
chr16	85082828	85082828	+	1.717E-35	1.68724E-33	0.227934	hyper	sig	chr16_85082828
chr5	1886814	1886814	+	1.722E-35	1.69174E-33	0.301155	hyper	sig	chr5_1886814
chr17	48620338	48620338	+	1.725E-35	1.69465E-33	-0.29775	hypo	sig	chr17_48620338
chr7	92609050	92609050	+	1.73E-35	1.69932E-33	-0.37649	hypo	sig	chr7_92609050
chr18	59273152	59273152	+	1.732E-35	1.70073E-33	0.297547	hyper	sig	chr18_59273152
chr14	37602082	37602082	+	1.737E-35	1.70571E-33	0.265358	hyper	sig	chr14_37602082
chr5	1.41E+08	141430897	+	1.741E-35	1.70912E-33	0.284735	hyper	sig	chr5_141430897
chr12	85273661	85273661	+	1.746E-35	1.71373E-33	0.311972	hyper	sig	chr12_85273661
chr2	63055878	63055878	+	1.758E-35	1.72533E-33	0.20614	hyper	sig	chr2_63055878
chr19	37551221	37551221	+	1.766E-35	1.7332E-33	0.314413	hyper	sig	chr19_37551221
chr19	20661427	20661427	+	1.768E-35	1.73554E-33	0.362167	hyper	sig	chr19_20661427
chr14	77026441	77026441	+	1.774E-35	1.74124E-33	0.26522	hyper	sig	chr14_77026441
chr13	20713143	20713143	+	1.777E-35	1.74339E-33	-0.32136	hypo	sig	chr13_20713143
chr17	43759087	43759087	+	1.784E-35	1.75025E-33	-0.31194	hypo	sig	chr17_43759087
chr9	1.37E+08	136745544	+	1.796E-35	1.76136E-33	-0.33148	hypo	sig	chr9_136745544
chr8	96495453	96495453	+	1.802E-35	1.76701E-33	0.202114	hyper	sig	chr8_96495453
chr5	1.67E+08	166784709	+	1.803E-35	1.76773E-33	-0.33405	hypo	sig	chr5_166784709
chr12	1.15E+08	114696573	+	1.812E-35	1.77701E-33	0.251707	hyper	sig	chr12_114696573
chr6	32764908	32764908	+	1.818E-35	1.78295E-33	-0.35631	hypo	sig	chr6_32764908
chr19	36973515	36973515	+	1.824E-35	1.78805E-33	0.394513	hyper	sig	chr19_36973515
chr16	89916146	89916146	+	1.829E-35	1.79306E-33	-0.33064	hypo	sig	chr16_89916146
chr6	50851186	50851186	+	1.83E-35	1.79333E-33	0.252811	hyper	sig	chr6_50851186
chr16	2184022	2184022	+	1.83E-35	1.79357E-33	-0.28949	hypo	sig	chr16_2184022
chr11	1.23E+08	122981774	+	1.831E-35	1.79465E-33	0.278132	hyper	sig	chr11_122981774
chr19	7880045	7880045	+	1.841E-35	1.80376E-33	-0.34849	hypo	sig	chr19_7880045
chr19	21835951	21835951	+	1.854E-35	1.81665E-33	0.213253	hyper	sig	chr19_21835951
chr7	1.29E+08	129125096	+	1.868E-35	1.82914E-33	-0.31062	hypo	sig	chr7_129125096
chr6	1.33E+08	133242626	+	1.882E-35	1.84318E-33	0.330902	hyper	sig	chr6_133242626
chr10	23694964	23694964	+	1.887E-35	1.84781E-33	0.298489	hyper	sig	chr10_23694964
chr10	1.33E+08	133029525	+	1.897E-35	1.85675E-33	-0.3365	hypo	sig	chr10_133029525
chr13	1.12E+08	112067475	+	1.897E-35	1.85675E-33	0.292206	hyper	sig	chr13_112067475
chr12	1.32E+08	132374605	+	1.898E-35	1.85765E-33	-0.246	hypo	sig	chr12_132374605
chr7	27103633	27103633	+	1.898E-35	1.85765E-33	0.306434	hyper	sig	chr7_27103633
chr19	44448580	44448580	+	1.901E-35	1.86044E-33	0.23119	hyper	sig	chr19_44448580
chr5	1.35E+08	135039049	+	1.906E-35	1.8649E-33	0.306743	hyper	sig	chr5_135039049
chr1	2.08E+08	207645238	+	1.907E-35	1.86511E-33	0.415522	hyper	sig	chr1_207645238
chr10	22345676	22345676	+	1.914E-35	1.87245E-33	0.372651	hyper	sig	chr10_22345676
chr17	10198279	10198279	+	1.915E-35	1.87245E-33	0.461803	hyper	sig	chr17_10198279
chr1	1.19E+08	119007202	+	1.915E-35	1.87284E-33	0.364476	hyper	sig	chr1_119007202
chr11	40293807	40293807	+	1.916E-35	1.87296E-33	0.27593	hyper	sig	chr11_40293807
chr16	1288379	1288379	+	1.919E-35	1.87611E-33	-0.26857	hypo	sig	chr16_1288379
chr21	33025955	33025955	+	1.922E-35	1.87905E-33	0.338692	hyper	sig	chr21_33025955
chr8	23706418	23706418	+	1.946E-35	1.90249E-33	0.284962	hyper	sig	chr8_23706418
chr1	78491213	78491213	+	1.959E-35	1.91474E-33	0.300491	hyper	sig	chr1_78491213
chr18	12254434	12254434	+	1.963E-35	1.91833E-33	0.345231	hyper	sig	chr18_12254434
chr9	97855435	97855435	+	1.969E-35	1.92387E-33	0.356776	hyper	sig	chr9_97855435
chr10	1.29E+08	128540320	+	1.978E-35	1.93235E-33	0.269776	hyper	sig	chr10_128540320
chr10	23694949	23694949	+	1.989E-35	1.94273E-33	0.306319	hyper	sig	chr10_23694949
chr6	1.5E+08	149964426	+	2E-35	1.95279E-33	0.230734	hyper	sig	chr6_149964426
chr8	98949341	98949341	+	2.013E-35	1.96519E-33	0.280712	hyper	sig	chr8_98949341
chr11	20601729	20601729	+	2.018E-35	1.96996E-33	0.290123	hyper	sig	chr11_20601729
chr1	78491498	78491498	+	2.02E-35	1.97154E-33	0.327458	hyper	sig	chr1_78491498
chr3	28572488	28572488	+	2.024E-35	1.97593E-33	-0.34186	hypo	sig	chr3_28572488

chr4	1.13E+08	112520470	+	2.027E-35	1.97839E-33	0.264401	hyper	sig	chr4_112520470
chr14	74239325	74239325	+	2.029E-35	1.98038E-33	0.297511	hyper	sig	chr14_74239325
chr14	47675837	47675837	+	2.032E-35	1.98299E-33	0.298647	hyper	sig	chr14_47675837
chr1	1.47E+08	147073233	+	2.042E-35	1.99263E-33	0.306626	hyper	sig	chr1_147073233
chr5	6631687	6631687	+	2.044E-35	1.99354E-33	-0.34772	hypo	sig	chr5_6631687
chr12	72273599	72273599	+	2.045E-35	1.99413E-33	0.256475	hyper	sig	chr12_72273599
chr5	1.41E+08	141245436	+	2.045E-35	1.99413E-33	0.241318	hyper	sig	chr5_141245436
chr12	84912722	84912722	+	2.058E-35	2.0073E-33	0.288265	hyper	sig	chr12_84912722
chr1	1117491	1117491	+	2.061E-35	2.00973E-33	-0.27926	hypo	sig	chr1_1117491
chr1	10672481	10672481	+	2.069E-35	2.01682E-33	0.330213	hyper	sig	chr1_10672481
chr17	81841521	81841521	+	2.07E-35	2.01793E-33	-0.31383	hypo	sig	chr17_81841521
chr7	1.59E+08	158979107	+	2.08E-35	2.02749E-33	-0.2807	hypo	sig	chr7_158979107
chr1	2378753	2378753	+	2.114E-35	2.0607E-33	-0.28279	hypo	sig	chr1_2378753
chr19	57099359	57099359	+	2.119E-35	2.0645E-33	0.332504	hyper	sig	chr19_57099359
chr7	561620	561620	+	2.134E-35	2.07919E-33	0.279299	hyper	sig	chr7_561620
chr2	1.15E+08	115162415	+	2.139E-35	2.08395E-33	0.301714	hyper	sig	chr2_115162415
chr3	68932854	68932854	+	2.139E-35	2.08395E-33	0.271778	hyper	sig	chr3_68932854
chr1	78491506	78491506	+	2.151E-35	2.09484E-33	0.319792	hyper	sig	chr1_78491506
chr6	1E+08	100463674	+	2.169E-35	2.11202E-33	0.23805	hyper	sig	chr6_100463674
chr1	1.47E+08	147078892	+	2.17E-35	2.11311E-33	0.28581	hyper	sig	chr1_147078892
chr13	93227356	93227356	+	2.178E-35	2.1202E-33	0.295359	hyper	sig	chr13_93227356
chr7	27103081	27103081	+	2.186E-35	2.12806E-33	0.257682	hyper	sig	chr7_27103081
chr1	90719649	90719649	+	2.188E-35	2.12966E-33	0.333742	hyper	sig	chr1_90719649
chr17	5097642	5097642	+	2.201E-35	2.14214E-33	0.333433	hyper	sig	chr17_5097642
chr1	90719208	90719208	+	2.203E-35	2.14373E-33	0.31513	hyper	sig	chr1_90719208
chr14	47676368	47676368	+	2.203E-35	2.14376E-33	0.353619	hyper	sig	chr14_47676368
chr13	25372706	25372706	+	2.21E-35	2.15027E-33	0.426952	hyper	sig	chr13_25372706
chr3	1.7E+08	169822353	+	2.211E-35	2.15106E-33	-0.45093	hypo	sig	chr3_169822353
chr6	29793090	29793090	+	2.217E-35	2.15577E-33	0.289656	hyper	sig	chr6_29793090
chr1	1205300	1205300	+	2.222E-35	2.16045E-33	-0.28092	hypo	sig	chr1_1205300
chr2	1.15E+08	115163092	+	2.225E-35	2.16352E-33	0.322239	hyper	sig	chr2_115163092
chr15	83285028	83285028	+	2.237E-35	2.17485E-33	0.296053	hyper	sig	chr15_83285028
chr11	1048615	1048615	+	2.24E-35	2.1771E-33	-0.26633	hypo	sig	chr11_1048615
chr12	95548144	95548144	+	2.253E-35	2.1899E-33	0.209294	hyper	sig	chr12_95548144
chr7	1.29E+08	129131615	+	2.258E-35	2.19446E-33	-0.36578	hypo	sig	chr7_129131615
chr3	50358219	50358219	+	2.259E-35	2.19524E-33	-0.24467	hypo	sig	chr3_50358219
chr2	2.28E+08	228181609	+	2.264E-35	2.20029E-33	0.350374	hyper	sig	chr2_228181609
chr2	15768946	15768946	+	2.267E-35	2.20236E-33	-0.49209	hypo	sig	chr2_15768946
chr3	62371238	62371238	+	2.279E-35	2.21392E-33	0.368586	hyper	sig	chr3_62371238
chr3	13041552	13041552	+	2.297E-35	2.23159E-33	-0.31802	hypo	sig	chr3_13041552
chr1	1.19E+08	118989729	+	2.301E-35	2.23521E-33	0.299462	hyper	sig	chr1_118989729
chr16	88691176	88691176	+	2.303E-35	2.2365E-33	-0.28506	hypo	sig	chr16_88691176
chr20	21397063	21397063	+	2.317E-35	2.25011E-33	0.292159	hyper	sig	chr20_21397063
chr20	21519421	21519421	+	2.327E-35	2.25878E-33	0.274538	hyper	sig	chr20_21519421
chr10	1.29E+08	128709539	+	2.334E-35	2.26606E-33	-0.23353	hypo	sig	chr10_128709539
chr10	1.01E+08	100830411	+	2.346E-35	2.27734E-33	0.244052	hyper	sig	chr10_100830411
chr7	2572253	2572253	+	2.352E-35	2.28228E-33	-0.30996	hypo	sig	chr7_2572253
chr1	3747259	3747259	+	2.352E-35	2.28269E-33	0.26294	hyper	sig	chr1_3747259
chr19	36245526	36245526	+	2.354E-35	2.28409E-33	0.330536	hyper	sig	chr19_36245526
chr4	1.09E+08	109302633	+	2.363E-35	2.29262E-33	0.287803	hyper	sig	chr4_109302633
chr13	78595958	78595958	+	2.366E-35	2.2953E-33	0.320084	hyper	sig	chr13_78595958
chr15	47184785	47184785	+	2.371E-35	2.2995E-33	0.220603	hyper	sig	chr15_47184785
chr16	86511093	86511093	+	2.373E-35	2.30185E-33	0.212408	hyper	sig	chr16_86511093
chr11	32429010	32429010	+	2.394E-35	2.32149E-33	0.291192	hyper	sig	chr11_32429010
chr8	70070770	70070770	+	2.395E-35	2.32149E-33	0.329492	hyper	sig	chr8_70070770
chr13	87674393	87674393	+	2.416E-35	2.342E-33	0.235845	hyper	sig	chr13_87674393

chr19	12721090	12721090	+	2.426E-35	2.35091E-33	0.31724	hyper	sig	chr19_12721090
chr2	1.19E+08	119432682	+	2.43E-35	2.35517E-33	-0.23626	hypo	sig	chr2_119432682
chr3	1.95E+08	195148049	+	2.433E-35	2.35717E-33	-0.28502	hypo	sig	chr3_195148049
chr15	28832223	28832223	+	2.446E-35	2.37028E-33	0.281423	hyper	sig	chr15_28832223
chr2	1.64E+08	163736061	+	2.455E-35	2.37797E-33	0.313453	hyper	sig	chr2_163736061
chr5	1.41E+08	140848792	+	2.46E-35	2.38242E-33	0.28991	hyper	sig	chr5_140848792
chr17	78852948	78852948	+	2.466E-35	2.3885E-33	-0.29563	hypo	sig	chr17_78852948
chr10	1.01E+08	101223678	+	2.474E-35	2.39587E-33	0.269276	hyper	sig	chr10_101223678
chr17	81941614	81941614	+	2.481E-35	2.40244E-33	-0.28386	hypo	sig	chr17_81941614
chr13	41455845	41455845	+	2.501E-35	2.42127E-33	-0.31413	hypo	sig	chr13_41455845
chr1	1.44E+08	143905703	+	2.537E-35	2.45574E-33	0.228005	hyper	sig	chr1_143905703
chr20	61925552	61925552	+	2.54E-35	2.45874E-33	-0.34457	hypo	sig	chr20_61925552
chr18	59273173	59273173	+	2.556E-35	2.47316E-33	0.288907	hyper	sig	chr18_59273173
chr16	23836295	23836295	+	2.557E-35	2.474E-33	0.252642	hyper	sig	chr16_23836295
chr4	1.11E+08	110612418	+	2.578E-35	2.49393E-33	0.289044	hyper	sig	chr4_110612418
chr8	64371523	64371523	+	2.599E-35	2.51387E-33	0.281078	hyper	sig	chr8_64371523
chr2	94735636	94735636	+	2.602E-35	2.51683E-33	0.315585	hyper	sig	chr2_94735636
chr3	1.47E+08	147396131	+	2.61E-35	2.52394E-33	0.286036	hyper	sig	chr3_147396131
chr16	62036155	62036155	+	2.629E-35	2.54243E-33	0.239792	hyper	sig	chr16_62036155
chr1	90724458	90724458	+	2.632E-35	2.54476E-33	0.342262	hyper	sig	chr1_90724458
chr4	1.21E+08	121380610	+	2.643E-35	2.55496E-33	0.254424	hyper	sig	chr4_121380610
chr5	93588395	93588395	+	2.643E-35	2.55496E-33	0.289533	hyper	sig	chr5_93588395
chr1	3141625	3141625	+	2.645E-35	2.55681E-33	-0.2813	hypo	sig	chr1_3141625
chr20	63007183	63007183	+	2.646E-35	2.55769E-33	0.294138	hyper	sig	chr20_63007183
chr1	1.19E+08	118989763	+	2.65E-35	2.56041E-33	0.336165	hyper	sig	chr1_118989763
chr7	8442454	8442454	+	2.66E-35	2.57E-33	0.303171	hyper	sig	chr7_8442454
chr5	1891636	1891636	+	2.661E-35	2.57056E-33	-0.24861	hypo	sig	chr5_1891636
chr12	4809802	4809802	+	2.705E-35	2.61292E-33	0.246612	hyper	sig	chr12_4809802
chr13	93227363	93227363	+	2.712E-35	2.61934E-33	0.308284	hyper	sig	chr13_93227363
chr14	41606458	41606458	+	2.714E-35	2.62034E-33	0.229351	hyper	sig	chr14_41606458
chr16	22948277	22948277	+	2.714E-35	2.62066E-33	0.242799	hyper	sig	chr16_22948277
chr16	58464674	58464674	+	2.723E-35	2.62885E-33	0.230771	hyper	sig	chr16_58464674
chr10	49115164	49115164	+	2.731E-35	2.63673E-33	0.263819	hyper	sig	chr10_49115164
chr2	2.33E+08	233060187	+	2.747E-35	2.65163E-33	-0.32146	hypo	sig	chr2_233060187
chr13	36345768	36345768	+	2.748E-35	2.65207E-33	0.35666	hyper	sig	chr13_36345768
chr20	38728230	38728230	+	2.756E-35	2.65991E-33	0.316336	hyper	sig	chr20_38728230
chr1	39681021	39681021	+	2.761E-35	2.66395E-33	-0.34356	hypo	sig	chr1_39681021
chr6	1.52E+08	151807336	+	2.765E-35	2.66731E-33	0.290038	hyper	sig	chr6_151807336
chr3	53243434	53243434	+	2.805E-35	2.70532E-33	-0.34883	hypo	sig	chr3_53243434
chr17	81160899	81160899	+	2.81E-35	2.71013E-33	-0.32509	hypo	sig	chr17_81160899
chr12	1.3E+08	130017043	+	2.819E-35	2.71882E-33	-0.26713	hypo	sig	chr12_130017043
chr2	63055676	63055676	+	2.82E-35	2.71913E-33	0.23542	hyper	sig	chr2_63055676
chr4	41747395	41747395	+	2.834E-35	2.73208E-33	0.326382	hyper	sig	chr4_41747395
chr4	1.11E+08	110634311	+	2.854E-35	2.75098E-33	0.274018	hyper	sig	chr4_110634311
chr8	1.31E+08	131039819	+	2.857E-35	2.75414E-33	0.343978	hyper	sig	chr8_131039819
chr19	15902561	15902561	+	2.868E-35	2.76387E-33	-0.31175	hypo	sig	chr19_15902561
chr17	82921615	82921615	+	2.876E-35	2.77138E-33	-0.20497	hypo	sig	chr17_82921615
chr16	67651490	67651490	+	2.886E-35	2.78095E-33	-0.31264	hypo	sig	chr16_67651490
chr10	23693481	23693481	+	2.887E-35	2.78173E-33	0.262099	hyper	sig	chr10_23693481
chr1	3094447	3094447	+	2.913E-35	2.80624E-33	-0.23103	hypo	sig	chr1_3094447
chr11	20669859	20669859	+	2.916E-35	2.80854E-33	0.364362	hyper	sig	chr11_20669859
chr2	2.33E+08	233060091	+	2.918E-35	2.81025E-33	-0.25295	hypo	sig	chr2_233060091
chr4	1005724	1005724	+	2.925E-35	2.81654E-33	-0.31804	hypo	sig	chr4_1005724
chr19	19534782	19534782	+	2.934E-35	2.82473E-33	-0.32913	hypo	sig	chr19_19534782
chr9	98944324	98944324	+	2.945E-35	2.83517E-33	0.27262	hyper	sig	chr9_98944324
chr13	27795402	27795402	+	2.95E-35	2.8402E-33	0.259475	hyper	sig	chr13_27795402

chr3	1.33E+08	133379648	+	2.952E-35	2.84173E-33	-0.27791	hypo	sig	chr3_133379648
chr19	23914901	23914901	+	2.972E-35	2.85993E-33	0.277983	hyper	sig	chr19_23914901
chr7	22096331	22096331	+	2.977E-35	2.86486E-33	-0.29668	hypo	sig	chr7_22096331
chr1	20553054	20553054	+	2.988E-35	2.87519E-33	0.343708	hyper	sig	chr1_20553054
chr16	51156174	51156174	+	3.018E-35	2.903E-33	0.322038	hyper	sig	chr16_51156174
chr4	7644360	7644360	+	3.037E-35	2.92153E-33	-0.26165	hypo	sig	chr4_7644360
chr2	74499353	74499353	+	3.059E-35	2.94165E-33	0.209676	hyper	sig	chr2_74499353
chr20	63081792	63081792	+	3.062E-35	2.94444E-33	-0.28985	hypo	sig	chr20_63081792
chr3	1.47E+08	147423145	+	3.071E-35	2.95328E-33	0.265507	hyper	sig	chr3_147423145
chr7	27124256	27124256	+	3.075E-35	2.95669E-33	0.259094	hyper	sig	chr7_27124256
chr12	1.32E+08	132423761	+	3.077E-35	2.95827E-33	-0.28099	hypo	sig	chr12_132423761
chr10	1.32E+08	132226777	+	3.08E-35	2.96082E-33	-0.23146	hypo	sig	chr10_132226777
chr13	98444155	98444155	+	3.084E-35	2.96423E-33	-0.30529	hypo	sig	chr13_98444155
chr4	1.13E+08	112520460	+	3.097E-35	2.97613E-33	0.261126	hyper	sig	chr4_112520460
chr12	72272111	72272111	+	3.1E-35	2.97825E-33	0.216465	hyper	sig	chr12_72272111
chr16	7303481	7303481	+	3.103E-35	2.98143E-33	0.362374	hyper	sig	chr16_7303481
chr13	36432207	36432207	+	3.12E-35	2.99635E-33	0.28757	hyper	sig	chr13_36432207
chr11	8168589	8168589	+	3.136E-35	3.0121E-33	0.339275	hyper	sig	chr11_8168589
chr2	1.82E+08	181684838	+	3.15E-35	3.02454E-33	0.309937	hyper	sig	chr2_181684838
chr4	1.47E+08	146640714	+	3.151E-35	3.02507E-33	0.284787	hyper	sig	chr4_146640714
chr16	86515277	86515277	+	3.151E-35	3.02528E-33	0.312798	hyper	sig	chr16_86515277
chr4	1.33E+08	133151619	+	3.159E-35	3.03266E-33	0.343142	hyper	sig	chr4_133151619
chr11	1.09E+08	109423503	+	3.188E-35	3.06017E-33	0.295935	hyper	sig	chr11_109423503
chr2	70790442	70790442	+	3.206E-35	3.07689E-33	0.269091	hyper	sig	chr2_70790442
chr3	1.25E+08	125357084	+	3.206E-35	3.07689E-33	0.417187	hyper	sig	chr3_125357084
chr1	6276672	6276672	+	3.236E-35	3.10471E-33	0.258917	hyper	sig	chr1_6276672
chr5	64506598	64506598	+	3.236E-35	3.10474E-33	0.220753	hyper	sig	chr5_64506598
chr10	49679522	49679522	+	3.243E-35	3.11047E-33	0.252557	hyper	sig	chr10_49679522
chr12	84913163	84913163	+	3.255E-35	3.12173E-33	0.295905	hyper	sig	chr12_84913163
chr19	57934969	57934969	+	3.266E-35	3.13266E-33	0.378127	hyper	sig	chr19_57934969
chr5	1.16E+08	115816739	+	3.271E-35	3.13677E-33	0.31401	hyper	sig	chr5_115816739
chr6	84764699	84764699	+	3.278E-35	3.14273E-33	0.24197	hyper	sig	chr6_84764699
chr5	1876240	1876240	+	3.329E-35	3.19077E-33	0.239232	hyper	sig	chr5_1876240
chr4	1.56E+08	155760216	+	3.376E-35	3.23555E-33	0.234965	hyper	sig	chr4_155760216
chr10	49115082	49115082	+	3.394E-35	3.25277E-33	0.276266	hyper	sig	chr10_49115082
chr20	21511103	21511103	+	3.404E-35	3.26186E-33	0.353758	hyper	sig	chr20_21511103
chr20	21514020	21514020	+	3.406E-35	3.2632E-33	0.231697	hyper	sig	chr20_21514020
chr9	97852905	97852905	+	3.429E-35	3.28536E-33	0.271335	hyper	sig	chr9_97852905
chr6	1E+08	100448230	+	3.433E-35	3.2887E-33	0.348463	hyper	sig	chr6_100448230
chr8	96159618	96159618	+	3.446E-35	3.30024E-33	0.280757	hyper	sig	chr8_96159618
chr7	1.04E+08	103989089	+	3.446E-35	3.30031E-33	0.28173	hyper	sig	chr7_103989089
chr10	1.33E+08	133230004	+	3.448E-35	3.30121E-33	0.253642	hyper	sig	chr10_133230004
chr3	10816710	10816710	+	3.46E-35	3.31312E-33	0.261051	hyper	sig	chr3_10816710
chr13	27923333	27923333	+	3.475E-35	3.32717E-33	0.347092	hyper	sig	chr13_27923333
chr12	1.33E+08	132904889	+	3.487E-35	3.33743E-33	0.271225	hyper	sig	chr12_132904889
chr11	27720575	27720575	+	3.49E-35	3.34047E-33	0.272597	hyper	sig	chr11_27720575
chr3	1.3E+08	129975356	+	3.514E-35	3.36247E-33	0.396231	hyper	sig	chr3_129975356
chr2	1.63E+08	162838680	+	3.529E-35	3.37678E-33	0.332244	hyper	sig	chr2_162838680
chr1	1.19E+08	118989385	+	3.551E-35	3.39728E-33	0.327109	hyper	sig	chr1_118989385
chr16	51151154	51151154	+	3.552E-35	3.3982E-33	0.415915	hyper	sig	chr16_51151154
chr11	31801690	31801690	+	3.559E-35	3.40474E-33	0.255502	hyper	sig	chr11_31801690
chr19	49133263	49133263	+	3.583E-35	3.42668E-33	0.365137	hyper	sig	chr19_49133263
chr5	31855280	31855280	+	3.592E-35	3.4349E-33	0.333354	hyper	sig	chr5_31855280
chr14	1.01E+08	100691603	+	3.61E-35	3.45154E-33	-0.28105	hypo	sig	chr14_100691603
chr12	1.04E+08	104458325	+	3.615E-35	3.45596E-33	0.206964	hyper	sig	chr12_104458325
chr13	25372664	25372664	+	3.615E-35	3.45596E-33	0.440476	hyper	sig	chr13_25372664

chr8	1.44E+08	143599326	+	3.628E-35	3.46771E-33	0.258607	hyper	sig	chr8_143599326
chr19	36331731	36331731	+	3.645E-35	3.48357E-33	0.302577	hyper	sig	chr19_36331731
chr2	1.19E+08	118834062	+	3.652E-35	3.49013E-33	0.347614	hyper	sig	chr2_118834062
chr7	38976011	38976011	+	3.658E-35	3.49509E-33	0.345232	hyper	sig	chr7_38976011
chr19	48640165	48640165	+	3.672E-35	3.50823E-33	-0.38484	hypo	sig	chr19_48640165
chr7	50303683	50303683	+	3.672E-35	3.50823E-33	0.272581	hyper	sig	chr7_50303683
chr19	53467457	53467457	+	3.679E-35	3.51449E-33	0.203054	hyper	sig	chr19_53467457
chr4	1.55E+08	155376726	+	3.683E-35	3.51738E-33	0.236608	hyper	sig	chr4_155376726
chr2	29920795	29920795	+	3.699E-35	3.5326E-33	0.322975	hyper	sig	chr2_29920795
chr17	34156989	34156989	+	3.708E-35	3.54037E-33	0.257831	hyper	sig	chr17_34156989
chr14	28778520	28778520	+	3.711E-35	3.54342E-33	0.26742	hyper	sig	chr14_28778520
chr21	18244821	18244821	+	3.728E-35	3.55901E-33	0.31078	hyper	sig	chr21_18244821
chr8	97276734	97276734	+	3.732E-35	3.56182E-33	-0.41842	hypo	sig	chr8_97276734
chr19	22052823	22052823	+	3.734E-35	3.564E-33	0.333296	hyper	sig	chr19_22052823
chr3	1.79E+08	179450972	+	3.736E-35	3.56572E-33	0.313445	hyper	sig	chr3_179450972
chr4	1005737	1005737	+	3.744E-35	3.57243E-33	-0.28624	hypo	sig	chr4_1005737
chr3	1.95E+08	195148140	+	3.767E-35	3.5942E-33	-0.29529	hypo	sig	chr3_195148140
chr1	2.06E+08	205850062	+	3.78E-35	3.60572E-33	0.275169	hyper	sig	chr1_205850062
chr17	81400938	81400938	+	3.79E-35	3.61516E-33	0.329134	hyper	sig	chr17_81400938
chr12	52185885	52185885	+	3.808E-35	3.63199E-33	-0.36861	hypo	sig	chr12_52185885
chr5	1.43E+08	143405607	+	3.814E-35	3.63746E-33	0.256924	hyper	sig	chr5_143405607
chr6	7468574	7468574	+	3.833E-35	3.65437E-33	-0.37265	hypo	sig	chr6_7468574
chr14	56797569	56797569	+	3.848E-35	3.66842E-33	0.277722	hyper	sig	chr14_56797569
chr7	1.04E+08	103989079	+	3.853E-35	3.67266E-33	0.263536	hyper	sig	chr7_103989079
chr1	58249881	58249881	+	3.862E-35	3.68091E-33	0.252577	hyper	sig	chr1_58249881
chr7	1.37E+08	136871446	+	3.872E-35	3.68962E-33	0.288106	hyper	sig	chr7_136871446
chr16	85948108	85948108	+	3.883E-35	3.69982E-33	-0.3214	hypo	sig	chr16_85948108
chr12	48198501	48198501	+	3.886E-35	3.70271E-33	0.277545	hyper	sig	chr12_48198501
chr2	1.13E+08	113275910	+	3.887E-35	3.70305E-33	0.287903	hyper	sig	chr2_113275910
chr10	22345686	22345686	+	3.903E-35	3.71722E-33	0.36065	hyper	sig	chr10_22345686
chr14	28774323	28774323	+	3.904E-35	3.71785E-33	0.28149	hyper	sig	chr14_28774323
chr10	1.32E+08	132296251	+	3.907E-35	3.72023E-33	-0.27029	hypo	sig	chr10_132296251
chr7	1.37E+08	136868860	+	3.918E-35	3.72994E-33	0.287802	hyper	sig	chr7_136868860
chr13	36430782	36430782	+	3.946E-35	3.75635E-33	0.30102	hyper	sig	chr13_36430782
chr1	1.14E+08	114154388	+	3.951E-35	3.76035E-33	0.234248	hyper	sig	chr1_114154388
chr4	1.56E+08	155760233	+	3.996E-35	3.80265E-33	0.22576	hyper	sig	chr4_155760233
chr1	2879689	2879689	+	4.001E-35	3.80765E-33	-0.26386	hypo	sig	chr1_2879689
chr20	5471269	5471269	+	4.013E-35	3.818E-33	-0.25644	hypo	sig	chr20_5471269
chr17	44068868	44068868	+	4.026E-35	3.82958E-33	-0.34599	hypo	sig	chr17_44068868
chr5	1.33E+08	132819548	+	4.027E-35	3.83013E-33	-0.28857	hypo	sig	chr5_132819548
chr5	1.34E+08	134113998	+	4.06E-35	3.86176E-33	0.258679	hyper	sig	chr5_134113998
chr13	1.12E+08	112067984	+	4.065E-35	3.86582E-33	0.254221	hyper	sig	chr13_112067984
chr17	48726995	48726995	+	4.079E-35	3.87776E-33	0.266695	hyper	sig	chr17_48726995
chr5	1.55E+08	155013967	+	4.079E-35	3.87776E-33	-0.35323	hypo	sig	chr5_155013967
chr6	1.01E+08	101398988	+	4.079E-35	3.87776E-33	0.292548	hyper	sig	chr6_101398988
chr10	27746831	27746831	+	4.136E-35	3.9308E-33	0.279218	hyper	sig	chr10_27746831
chr7	97018553	97018553	+	4.159E-35	3.95233E-33	0.362787	hyper	sig	chr7_97018553
chr1	1.19E+08	119000672	+	4.165E-35	3.95774E-33	0.265852	hyper	sig	chr1_119000672
chr8	71843581	71843581	+	4.19E-35	3.98126E-33	0.248301	hyper	sig	chr8_71843581
chr5	3592491	3592491	+	4.234E-35	4.02253E-33	0.230242	hyper	sig	chr5_3592491
chr3	1.25E+08	125142060	+	4.249E-35	4.03584E-33	0.319269	hyper	sig	chr3_125142060
chr3	1.47E+08	147359710	+	4.258E-35	4.04402E-33	0.254816	hyper	sig	chr3_147359710
chr11	32436188	32436188	+	4.262E-35	4.04759E-33	0.228952	hyper	sig	chr11_32436188
chr8	23702516	23702516	+	4.277E-35	4.06194E-33	0.295556	hyper	sig	chr8_23702516
chr10	55627876	55627876	+	4.282E-35	4.06551E-33	0.263587	hyper	sig	chr10_55627876
chr4	1.07E+08	107036181	+	4.378E-35	4.15641E-33	0.206922	hyper	sig	chr4_107036181

chr4	1.09E+08	109302431	+	4.39E-35	4.16735E-33	0.222936	hyper	sig	chr4_109302431
chr10	1.31E+08	131312045	+	4.391E-35	4.16759E-33	0.371245	hyper	sig	chr10_131312045
chr7	28410397	28410397	+	4.417E-35	4.192E-33	0.259705	hyper	sig	chr7_28410397
chr4	1.54E+08	153789634	+	4.42E-35	4.19446E-33	0.310016	hyper	sig	chr4_153789634
chr12	95549155	95549155	+	4.435E-35	4.208E-33	0.250172	hyper	sig	chr12_95549155
chr4	44447745	44447745	+	4.44E-35	4.21205E-33	0.302746	hyper	sig	chr4_44447745
chr13	93227015	93227015	+	4.45E-35	4.22096E-33	0.335389	hyper	sig	chr13_93227015
chr1	1.57E+08	156844751	+	4.47E-35	4.24006E-33	0.257784	hyper	sig	chr1_156844751
chr11	92225228	92225228	+	4.472E-35	4.2408E-33	0.323573	hyper	sig	chr11_92225228
chr2	1.76E+08	176124847	+	4.514E-35	4.28097E-33	-0.23242	hypo	sig	chr2_176124847
chr6	32059889	32059889	+	4.537E-35	4.30145E-33	-0.24329	hypo	sig	chr6_32059889
chr14	28778353	28778353	+	4.561E-35	4.32395E-33	0.317078	hyper	sig	chr14_28778353
chr6	52665330	52665330	+	4.561E-35	4.32395E-33	-0.38372	hypo	sig	chr6_52665330
chr1	1.19E+08	118983713	+	4.579E-35	4.34018E-33	0.297895	hyper	sig	chr1_118983713
chr16	85485287	85485287	+	4.58E-35	4.34018E-33	-0.29438	hypo	sig	chr16_85485287
chr10	1478671	1478671	+	4.583E-35	4.34264E-33	-0.27184	hypo	sig	chr10_1478671
chr19	56638072	56638072	+	4.585E-35	4.34446E-33	0.257583	hyper	sig	chr19_56638072
chr4	1.22E+08	121766401	+	4.612E-35	4.36973E-33	-0.26816	hypo	sig	chr4_121766401
chr6	98842842	98842842	+	4.613E-35	4.37003E-33	0.283072	hyper	sig	chr6_98842842
chr11	20160517	20160517	+	4.615E-35	4.37145E-33	0.26901	hyper	sig	chr11_20160517
chr8	76683086	76683086	+	4.623E-35	4.37822E-33	0.299434	hyper	sig	chr8_76683086
chr1	50417678	50417678	+	4.633E-35	4.38646E-33	0.223674	hyper	sig	chr1_50417678
chr7	1.43E+08	142856370	+	4.633E-35	4.38646E-33	-0.31429	hypo	sig	chr7_142856370
chr19	641856	641856	+	4.641E-35	4.39374E-33	-0.28854	hypo	sig	chr19_641856
chr2	66425861	66425861	+	4.649E-35	4.40101E-33	0.231992	hyper	sig	chr2_66425861
chr2	1.19E+08	118770845	+	4.656E-35	4.40664E-33	-0.38796	hypo	sig	chr2_118770845
chr4	1.11E+08	110630665	+	4.676E-35	4.42537E-33	0.285923	hyper	sig	chr4_110630665
chr2	23616958	23616958	+	4.703E-35	4.45011E-33	-0.28861	hypo	sig	chr2_23616958
chr6	1.68E+08	168444075	+	4.732E-35	4.47722E-33	0.287924	hyper	sig	chr6_168444075
chr2	63055743	63055743	+	4.732E-35	4.47726E-33	0.226097	hyper	sig	chr2_63055743
chr2	74415787	74415787	+	4.736E-35	4.47964E-33	0.310943	hyper	sig	chr2_74415787
chr15	64894285	64894285	+	4.743E-35	4.48577E-33	0.294424	hyper	sig	chr15_64894285
chr8	56446162	56446162	+	4.755E-35	4.49679E-33	0.378991	hyper	sig	chr8_56446162
chr6	32070764	32070764	+	4.787E-35	4.52708E-33	-0.31847	hypo	sig	chr6_32070764
chr7	37449214	37449214	+	4.853E-35	4.58899E-33	0.218566	hyper	sig	chr7_37449214
chr3	62377246	62377246	+	4.855E-35	4.58957E-33	0.294327	hyper	sig	chr3_62377246
chr9	85523028	85523028	+	4.867E-35	4.60109E-33	0.278427	hyper	sig	chr9_85523028
chr8	11061062	11061062	+	4.869E-35	4.60183E-33	-0.25281	hypo	sig	chr8_11061062
chr19	4556017	4556017	+	4.872E-35	4.604E-33	-0.32371	hypo	sig	chr19_4556017
chr1	2.28E+08	228006366	+	4.872E-35	4.60405E-33	0.239636	hyper	sig	chr1_228006366
chr1	1.14E+08	114154279	+	4.875E-35	4.60651E-33	0.273332	hyper	sig	chr1_114154279
chr6	32011056	32011056	+	4.879E-35	4.60909E-33	-0.38898	hypo	sig	chr6_32011056
chr2	1.82E+08	181684388	+	4.889E-35	4.61797E-33	0.284281	hyper	sig	chr2_181684388
chr17	48621847	48621847	+	4.893E-35	4.62142E-33	-0.3252	hypo	sig	chr17_48621847
chr11	1.29E+08	128693790	+	4.91E-35	4.63667E-33	0.224491	hyper	sig	chr11_128693790
chr16	85947777	85947777	+	4.91E-35	4.63667E-33	-0.37273	hypo	sig	chr16_85947777
chr4	10461728	10461728	+	4.936E-35	4.66065E-33	0.3205	hyper	sig	chr4_10461728
chr4	3649779	3649779	+	4.943E-35	4.66677E-33	-0.29313	hypo	sig	chr4_3649779
chr3	1.58E+08	158095533	+	4.944E-35	4.66743E-33	0.299667	hyper	sig	chr3_158095533
chr17	48726999	48726999	+	4.981E-35	4.70128E-33	0.267632	hyper	sig	chr17_48726999
chr12	1.03E+08	103302389	+	5.013E-35	4.73061E-33	0.347189	hyper	sig	chr12_103302389
chr8	98949289	98949289	+	5.044E-35	4.75939E-33	0.313354	hyper	sig	chr8_98949289
chr16	87600357	87600357	+	5.077E-35	4.79029E-33	-0.29106	hypo	sig	chr16_87600357
chr16	85947745	85947745	+	5.083E-35	4.79555E-33	-0.33557	hypo	sig	chr16_85947745
chr12	98893998	98893998	+	5.095E-35	4.80647E-33	0.315972	hyper	sig	chr12_98893998
chr11	1338856	1338856	+	5.099E-35	4.8097E-33	-0.32443	hypo	sig	chr11_1338856

chr2	11587081	11587081	+	5.115E-35	4.82438E-33	-0.32105	hypo	sig	chr2_11587081
chr15	47184807	47184807	+	5.134E-35	4.84165E-33	0.20917	hyper	sig	chr15_47184807
chr7	1.58E+08	158238012	+	5.147E-35	4.85309E-33	-0.2959	hypo	sig	chr7_158238012
chr7	4810730	4810730	+	5.221E-35	4.92195E-33	-0.31469	hypo	sig	chr7_4810730
chr5	1.59E+08	159097346	+	5.24E-35	4.93964E-33	0.323954	hyper	sig	chr5_159097346
chr8	64373735	64373735	+	5.329E-35	5.0225E-33	0.357388	hyper	sig	chr8_64373735
chr12	1.15E+08	114696567	+	5.368E-35	5.05854E-33	0.244823	hyper	sig	chr12_114696567
chr4	1.54E+08	153792181	+	5.375E-35	5.06461E-33	0.292343	hyper	sig	chr4_153792181
chr17	82711077	82711077	+	5.386E-35	5.07415E-33	-0.3026	hypo	sig	chr17_82711077
chr5	32713215	32713215	+	5.415E-35	5.10056E-33	0.309897	hyper	sig	chr5_32713215
chr13	35478909	35478909	+	5.421E-35	5.10525E-33	0.305787	hyper	sig	chr13_35478909
chr16	361259	361259	+	5.421E-35	5.10525E-33	-0.3322	hypo	sig	chr16_361259
chr16	87612061	87612061	+	5.439E-35	5.12101E-33	-0.25474	hypo	sig	chr16_87612061
chr17	76000218	76000218	+	5.445E-35	5.12652E-33	-0.26187	hypo	sig	chr17_76000218
chr12	1.07E+08	106585284	+	5.452E-35	5.13235E-33	0.318066	hyper	sig	chr12_106585284
chr12	52007730	52007730	+	5.488E-35	5.16534E-33	0.254741	hyper	sig	chr12_52007730
chr1	18632462	18632462	+	5.501E-35	5.17713E-33	0.346894	hyper	sig	chr1_18632462
chr6	1.61E+08	160767478	+	5.502E-35	5.17713E-33	0.272592	hyper	sig	chr6_160767478
chr5	1.71E+08	171313924	+	5.513E-35	5.18713E-33	0.282354	hyper	sig	chr5_171313924
chr3	1.71E+08	170585419	+	5.541E-35	5.21252E-33	0.315172	hyper	sig	chr3_170585419
chr1	10672864	10672864	+	5.581E-35	5.25003E-33	0.20166	hyper	sig	chr1_10672864
chr2	2.31E+08	231401135	+	5.584E-35	5.25185E-33	0.406745	hyper	sig	chr2_231401135
chr4	4870750	4870750	+	5.586E-35	5.25392E-33	0.269679	hyper	sig	chr4_4870750
chr5	55223189	55223189	+	5.592E-35	5.25806E-33	0.355937	hyper	sig	chr5_55223189
chr5	1.81E+08	181174196	+	5.602E-35	5.26764E-33	0.319286	hyper	sig	chr5_181174196
chr2	31137896	31137896	+	5.611E-35	5.2752E-33	0.228302	hyper	sig	chr2_31137896
chr4	1.74E+08	173531300	+	5.679E-35	5.33808E-33	0.237799	hyper	sig	chr4_173531300
chr17	17352410	17352410	+	5.683E-35	5.34123E-33	-0.32649	hypo	sig	chr17_17352410
chr11	1.16E+08	115711237	+	5.714E-35	5.37047E-33	-0.27199	hypo	sig	chr11_115711237
chr19	57527498	57527498	+	5.743E-35	5.3972E-33	0.240671	hyper	sig	chr19_57527498
chr16	89817747	89817747	+	5.745E-35	5.3983E-33	-0.31542	hypo	sig	chr16_89817747
chr14	60510174	60510174	+	5.763E-35	5.414E-33	0.385592	hyper	sig	chr14_60510174
chr19	49043491	49043491	+	5.79E-35	5.43881E-33	-0.27819	hypo	sig	chr19_49043491
chr1	1.19E+08	119005904	+	5.811E-35	5.45837E-33	0.374431	hyper	sig	chr1_119005904
chr11	1.29E+08	128694317	+	5.823E-35	5.46842E-33	0.466572	hyper	sig	chr11_128694317
chr17	21378047	21378047	+	5.823E-35	5.46842E-33	0.216348	hyper	sig	chr17_21378047
chr15	84080153	84080153	+	5.829E-35	5.4729E-33	0.249098	hyper	sig	chr15_84080153
chr16	86513962	86513962	+	5.858E-35	5.49962E-33	0.3731	hyper	sig	chr16_86513962
chr8	98949295	98949295	+	5.868E-35	5.50804E-33	0.298477	hyper	sig	chr8_98949295
chr5	1.41E+08	141430943	+	5.886E-35	5.52487E-33	0.250824	hyper	sig	chr5_141430943
chr16	1548774	1548774	+	5.959E-35	5.59274E-33	-0.44527	hypo	sig	chr16_1548774
chr7	8442602	8442602	+	5.963E-35	5.59599E-33	0.2976	hyper	sig	chr7_8442602
chr8	1.08E+08	108083806	+	5.966E-35	5.5978E-33	0.319876	hyper	sig	chr8_108083806
chr22	50045100	50045100	+	5.981E-35	5.61177E-33	-0.2562	hypo	sig	chr22_50045100
chr11	68411475	68411475	+	6.005E-35	5.63317E-33	-0.30494	hypo	sig	chr11_68411475
chr8	48735158	48735158	+	6.052E-35	5.67634E-33	0.285796	hyper	sig	chr8_48735158
chr19	22634546	22634546	+	6.067E-35	5.69035E-33	0.28005	hyper	sig	chr19_22634546
chr2	2.07E+08	206642418	+	6.071E-35	5.69309E-33	0.258719	hyper	sig	chr2_206642418
chr4	1.74E+08	173531360	+	6.101E-35	5.72062E-33	0.276897	hyper	sig	chr4_173531360
chr10	99530547	99530547	+	6.138E-35	5.75434E-33	0.284117	hyper	sig	chr10_99530547
chr20	24469229	24469229	+	6.178E-35	5.79163E-33	0.378877	hyper	sig	chr20_24469229
chr16	3183086	3183086	+	6.191E-35	5.80274E-33	0.261526	hyper	sig	chr16_3183086
chr2	63055567	63055567	+	6.202E-35	5.81297E-33	0.249027	hyper	sig	chr2_63055567
chr20	21508522	21508522	+	6.229E-35	5.83768E-33	0.337852	hyper	sig	chr20_21508522
chr7	1.32E+08	131538655	+	6.244E-35	5.85057E-33	-0.44887	hypo	sig	chr7_131538655
chr3	1.43E+08	143121212	+	6.253E-35	5.85868E-33	0.313803	hyper	sig	chr3_143121212

chr11	1.29E+08	128693013	+	6.284E-35	5.88652E-33	0.266854	hyper	sig	chr11_128693013
chr20	62310933	62310933	+	6.318E-35	5.91778E-33	-0.32931	hypo	sig	chr20_62310933
chr5	3592453	3592453	+	6.359E-35	5.95603E-33	0.222245	hyper	sig	chr5_3592453
chr12	85273670	85273670	+	6.382E-35	5.97634E-33	0.303129	hyper	sig	chr12_85273670
chr12	47086012	47086012	+	6.399E-35	5.99171E-33	-0.30104	hypo	sig	chr12_47086012
chr3	62370608	62370608	+	6.431E-35	6.02093E-33	0.27618	hyper	sig	chr3_62370608
chr13	1.12E+08	112067472	+	6.439E-35	6.02772E-33	0.279619	hyper	sig	chr13_112067472
chr11	31801593	31801593	+	6.464E-35	6.05017E-33	0.274126	hyper	sig	chr11_31801593
chr15	29115650	29115650	+	6.477E-35	6.06165E-33	0.276913	hyper	sig	chr15_29115650
chr7	44103374	44103374	+	6.481E-35	6.06471E-33	-0.21715	hypo	sig	chr7_44103374
chr5	1.41E+08	141421202	+	6.515E-35	6.09494E-33	0.304754	hyper	sig	chr5_141421202
chr8	84183040	84183040	+	6.535E-35	6.11254E-33	0.227721	hyper	sig	chr8_84183040
chr3	1.25E+08	125142067	+	6.559E-35	6.1335E-33	0.327537	hyper	sig	chr3_125142067
chr8	1.16E+08	115648496	+	6.558E-35	6.1335E-33	0.304649	hyper	sig	chr8_115648496
chr10	11742464	11742464	+	6.56E-35	6.13441E-33	0.278907	hyper	sig	chr10_11742464
chr11	1113936	1113936	+	6.572E-35	6.14409E-33	-0.22265	hypo	sig	chr11_1113936
chr3	1.7E+08	169822553	+	6.608E-35	6.17725E-33	-0.36431	hypo	sig	chr3_169822553
chr1	1.14E+08	114154143	+	6.632E-35	6.19955E-33	0.294699	hyper	sig	chr1_114154143
chr10	93065819	93065819	+	6.642E-35	6.20801E-33	0.284196	hyper	sig	chr10_93065819
chr4	1.09E+08	109302544	+	6.649E-35	6.21324E-33	0.256239	hyper	sig	chr4_109302544
chr20	3785732	3785732	+	6.654E-35	6.21684E-33	-0.36213	hypo	sig	chr20_3785732
chr6	32058963	32058963	+	6.654E-35	6.21684E-33	-0.31676	hypo	sig	chr6_32058963
chr10	23693458	23693458	+	6.659E-35	6.22088E-33	0.264221	hyper	sig	chr10_23693458
chr16	51153889	51153889	+	6.666E-35	6.22659E-33	0.273481	hyper	sig	chr16_51153889
chr7	43561940	43561940	+	6.688E-35	6.24625E-33	-0.39953	hypo	sig	chr7_43561940
chr2	5691081	5691081	+	6.69E-35	6.24737E-33	0.284606	hyper	sig	chr2_5691081
chr1	6276683	6276683	+	6.696E-35	6.25278E-33	0.258317	hyper	sig	chr1_6276683
chr12	56000435	56000435	+	6.699E-35	6.2544E-33	-0.43406	hypo	sig	chr12_56000435
chr12	29783523	29783523	+	6.734E-35	6.28613E-33	0.231795	hyper	sig	chr12_29783523
chr1	98045411	98045411	+	6.766E-35	6.31558E-33	0.335017	hyper	sig	chr1_98045411
chr10	1.33E+08	133365106	+	6.8E-35	6.34676E-33	-0.25289	hypo	sig	chr10_133365106
chr20	62310927	62310927	+	6.813E-35	6.35771E-33	-0.33882	hypo	sig	chr20_62310927
chr8	1.42E+08	142119807	+	6.849E-35	6.39057E-33	-0.32075	hypo	sig	chr8_142119807
chr4	622778	622778	+	6.857E-35	6.39797E-33	-0.2442	hypo	sig	chr4_622778
chr5	1.59E+08	159100708	+	6.888E-35	6.42549E-33	0.252734	hyper	sig	chr5_159100708
chr7	97002450	97002450	+	6.9E-35	6.43623E-33	0.288313	hyper	sig	chr7_97002450
chr11	1.34E+08	134068906	+	6.911E-35	6.44587E-33	0.206068	hyper	sig	chr11_134068906
chr4	61201629	61201629	+	7.001E-35	6.52856E-33	0.279124	hyper	sig	chr4_61201629
chr10	1.33E+08	133231334	+	7.025E-35	6.54996E-33	0.209475	hyper	sig	chr10_133231334
chr12	53973168	53973168	+	7.029E-35	6.55332E-33	0.330041	hyper	sig	chr12_53973168
chr1	2E+08	200036132	+	7.071E-35	6.59015E-33	0.365072	hyper	sig	chr1_200036132
chr10	1.32E+08	132485055	+	7.079E-35	6.59734E-33	-0.26446	hypo	sig	chr10_132485055
chr2	1.19E+08	118849509	+	7.121E-35	6.63561E-33	0.26234	hyper	sig	chr2_118849509
chr4	4858133	4858133	+	7.122E-35	6.63581E-33	0.332562	hyper	sig	chr4_4858133
chr16	86496355	86496355	+	7.137E-35	6.64943E-33	0.273528	hyper	sig	chr16_86496355
chr16	3305576	3305576	+	7.138E-35	6.64948E-33	0.250407	hyper	sig	chr16_3305576
chr22	48521354	48521354	+	7.142E-35	6.65203E-33	-0.29693	hypo	sig	chr22_48521354
chr17	77233715	77233715	+	7.178E-35	6.68445E-33	-0.336	hypo	sig	chr17_77233715
chr2	1.19E+08	118841980	+	7.18E-35	6.68636E-33	0.232202	hyper	sig	chr2_118841980
chr3	13041555	13041555	+	7.209E-35	6.71247E-33	-0.31683	hypo	sig	chr3_13041555
chr19	3821376	3821376	+	7.217E-35	6.71905E-33	-0.38463	hypo	sig	chr19_3821376
chr10	21509483	21509483	+	7.234E-35	6.73435E-33	-0.34719	hypo	sig	chr10_21509483
chr1	1.62E+08	161621698	+	7.245E-35	6.74339E-33	0.22672	hyper	sig	chr1_161621698
chr2	38075483	38075483	+	7.267E-35	6.7635E-33	0.41102	hyper	sig	chr2_38075483
chr2	23616854	23616854	+	7.278E-35	6.77281E-33	-0.24654	hypo	sig	chr2_23616854
chr3	13637624	13637624	+	7.285E-35	6.77785E-33	-0.20176	hypo	sig	chr3_13637624

chr2	44955041	44955041	+	7.336E-35	6.82396E-33	0.217089	hyper	sig	chr2_44955041
chr7	19117562	19117562	+	7.337E-35	6.82396E-33	0.227251	hyper	sig	chr7_19117562
chr3	27723298	27723298	+	7.346E-35	6.83195E-33	0.258764	hyper	sig	chr3_27723298
chr5	172805	172805	+	7.347E-35	6.83195E-33	-0.29588	hypo	sig	chr5_172805
chr1	1.45E+08	144567564	+	7.384E-35	6.86392E-33	0.383542	hyper	sig	chr1_144567564
chr14	47675850	47675850	+	7.383E-35	6.86392E-33	0.310931	hyper	sig	chr14_47675850
chr16	81584163	81584163	+	7.383E-35	6.86392E-33	-0.32412	hypo	sig	chr16_81584163
chr5	3198030	3198030	+	7.441E-35	6.91641E-33	0.317604	hyper	sig	chr5_3198030
chr11	1113938	1113938	+	7.46E-35	6.93275E-33	-0.21432	hypo	sig	chr11_1113938
chr16	89916048	89916048	+	7.496E-35	6.9661E-33	-0.2937	hypo	sig	chr16_89916048
chr3	1.95E+08	195148021	+	7.525E-35	6.99205E-33	-0.3009	hypo	sig	chr3_195148021
chr6	1.08E+08	108171162	+	7.548E-35	7.01241E-33	0.362205	hyper	sig	chr6_108171162
chr13	1.01E+08	101416687	+	7.582E-35	7.04322E-33	0.292103	hyper	sig	chr13_101416687
chr5	1446102	1446102	+	7.613E-35	7.07155E-33	0.326648	hyper	sig	chr5_1446102
chr4	41747329	41747329	+	7.615E-35	7.07261E-33	0.411581	hyper	sig	chr4_41747329
chr7	2733459	2733459	+	7.665E-35	7.11767E-33	-0.24467	hypo	sig	chr7_2733459
chr4	1.9E+08	190018075	+	7.668E-35	7.11964E-33	0.281964	hyper	sig	chr4_190018075
chr1	12549675	12549675	+	7.676E-35	7.1266E-33	-0.29357	hypo	sig	chr1_12549675
chr7	35186159	35186159	+	7.691E-35	7.14002E-33	0.204224	hyper	sig	chr7_35186159
chr9	98944330	98944330	+	7.72E-35	7.16612E-33	0.286004	hyper	sig	chr9_98944330
chr2	29921247	29921247	+	7.764E-35	7.20593E-33	0.361664	hyper	sig	chr2_29921247
chr6	1.37E+08	137495922	+	7.776E-35	7.21541E-33	0.381511	hyper	sig	chr6_137495922
chr7	28411070	28411070	+	7.776E-35	7.21541E-33	0.292996	hyper	sig	chr7_28411070
chr8	1.31E+08	131041523	+	7.785E-35	7.22293E-33	0.322974	hyper	sig	chr8_131041523
chr8	64373697	64373697	+	7.793E-35	7.22981E-33	0.370177	hyper	sig	chr8_64373697
chr4	2300868	2300868	+	7.811E-35	7.24539E-33	-0.35723	hypo	sig	chr4_2300868
chr4	30723273	30723273	+	7.818E-35	7.25046E-33	0.243152	hyper	sig	chr4_30723273
chr2	2.34E+08	233939272	+	7.859E-35	7.28727E-33	0.44263	hyper	sig	chr2_233939272
chr11	521052	521052	+	7.939E-35	7.3597E-33	-0.26053	hypo	sig	chr11_521052
chr14	1.04E+08	104158941	+	7.939E-35	7.3597E-33	-0.28193	hypo	sig	chr14_104158941
chr7	1.57E+08	157297452	+	7.967E-35	7.38466E-33	-0.36324	hypo	sig	chr7_157297452
chr13	78607239	78607239	+	7.976E-35	7.39275E-33	0.315611	hyper	sig	chr13_78607239
chr4	6245813	6245813	+	7.981E-35	7.3959E-33	0.30657	hyper	sig	chr4_6245813
chr6	393284	393284	+	7.998E-35	7.41067E-33	0.295539	hyper	sig	chr6_393284
chr10	23693639	23693639	+	8.032E-35	7.44195E-33	0.257306	hyper	sig	chr10_23693639
chr2	1.19E+08	118845521	+	8.048E-35	7.4554E-33	0.301875	hyper	sig	chr2_118845521
chr19	57614685	57614685	+	8.077E-35	7.48057E-33	0.297506	hyper	sig	chr19_57614685
chr10	16520585	16520585	+	8.118E-35	7.5183E-33	0.253045	hyper	sig	chr10_16520585
chr1	3650828	3650828	+	8.121E-35	7.51968E-33	0.301754	hyper	sig	chr1_3650828
chr14	1.01E+08	101061786	+	8.17E-35	7.56382E-33	-0.25708	hypo	sig	chr14_101061786
chr17	65538474	65538474	+	8.169E-35	7.56382E-33	-0.30428	hypo	sig	chr17_65538474
chr12	75208023	75208023	+	8.195E-35	7.58626E-33	0.340717	hyper	sig	chr12_75208023
chr2	1.27E+08	126889016	+	8.209E-35	7.59768E-33	-0.26128	hypo	sig	chr2_126889016
chr1	3434528	3434528	+	8.213E-35	7.60078E-33	-0.27063	hypo	sig	chr1_3434528
chr7	27106750	27106750	+	8.23E-35	7.61596E-33	0.293419	hyper	sig	chr7_27106750
chr4	1.11E+08	110633944	+	8.247E-35	7.63088E-33	0.338308	hyper	sig	chr4_110633944
chr6	10882882	10882882	+	8.249E-35	7.63182E-33	0.294913	hyper	sig	chr6_10882882
chr15	26774275	26774275	+	8.258E-35	7.63812E-33	0.275679	hyper	sig	chr15_26774275
chr20	21507547	21507547	+	8.3E-35	7.67614E-33	0.399215	hyper	sig	chr20_21507547
chr5	1.35E+08	135030877	+	8.369E-35	7.73871E-33	0.263845	hyper	sig	chr5_135030877
chr1	39671513	39671513	+	8.376E-35	7.74502E-33	0.249436	hyper	sig	chr1_39671513
chr19	56368514	56368514	+	8.4E-35	7.76558E-33	0.346718	hyper	sig	chr19_56368514
chr4	1.25E+08	125316216	+	8.424E-35	7.78741E-33	0.254611	hyper	sig	chr4_125316216
chr5	1.41E+08	140882112	+	8.446E-35	7.80695E-33	0.282498	hyper	sig	chr5_140882112
chr17	35488513	35488513	+	8.467E-35	7.82502E-33	0.318337	hyper	sig	chr17_35488513
chr14	85534133	85534133	+	8.52E-35	7.8728E-33	0.400781	hyper	sig	chr14_85534133

chr20	64075454	64075454	+	8.55E-35	7.90037E-33	-0.22641	hypo	sig	chr20_64075454
chr5	1.73E+08	173245681	+	8.611E-35	7.9556E-33	0.289208	hyper	sig	chr5_173245681
chr2	1.82E+08	181684877	+	8.626E-35	7.96809E-33	0.32184	hyper	sig	chr2_181684877
chr5	64506513	64506513	+	8.629E-35	7.96973E-33	0.225044	hyper	sig	chr5_64506513
chr11	8169050	8169050	+	8.807E-35	8.1332E-33	0.23496	hyper	sig	chr11_8169050
chr11	1.29E+08	128694313	+	8.846E-35	8.16817E-33	0.447142	hyper	sig	chr11_128694313
chr20	63788457	63788457	+	8.872E-35	8.19121E-33	-0.28082	hypo	sig	chr20_63788457
chr1	47439808	47439808	+	8.918E-35	8.23301E-33	0.296885	hyper	sig	chr1_47439808
chr6	401363	401363	+	8.927E-35	8.23949E-33	-0.27001	hypo	sig	chr6_401363
chr5	173125	173125	+	8.929E-35	8.24049E-33	-0.39353	hypo	sig	chr5_173125
chr4	80185213	80185213	+	8.943E-35	8.25238E-33	0.223439	hyper	sig	chr4_80185213
chr17	82493083	82493083	+	8.949E-35	8.25738E-33	-0.37522	hypo	sig	chr17_82493083
chr6	1E+08	100448553	+	8.959E-35	8.26562E-33	0.348257	hyper	sig	chr6_100448553
chr13	57629868	57629868	+	8.965E-35	8.27077E-33	0.325916	hyper	sig	chr13_57629868
chr3	68932883	68932883	+	8.971E-35	8.27454E-33	0.29378	hyper	sig	chr3_68932883
chr3	62378395	62378395	+	8.98E-35	8.28272E-33	0.262502	hyper	sig	chr3_62378395
chr10	55628667	55628667	+	8.991E-35	8.29159E-33	0.253859	hyper	sig	chr10_55628667
chr8	96160770	96160770	+	9.034E-35	8.33055E-33	0.234934	hyper	sig	chr8_96160770
chr17	8326905	8326905	+	9.047E-35	8.34116E-33	0.231006	hyper	sig	chr17_8326905
chr3	1.47E+08	147411978	+	9.098E-35	8.38696E-33	0.334294	hyper	sig	chr3_147411978
chr1	3437848	3437848	+	9.131E-35	8.41672E-33	-0.2815	hypo	sig	chr1_3437848
chr10	1.32E+08	132274521	+	9.15E-35	8.43333E-33	-0.27332	hypo	sig	chr10_132274521
chr4	1.54E+08	153792226	+	9.152E-35	8.43427E-33	0.274089	hyper	sig	chr4_153792226
chr7	1.58E+08	157689576	+	9.156E-35	8.43648E-33	0.329742	hyper	sig	chr7_157689576
chr8	1.33E+08	133212475	+	9.168E-35	8.44738E-33	-0.30112	hypo	sig	chr8_133212475
chr17	17352367	17352367	+	9.209E-35	8.48419E-33	-0.37639	hypo	sig	chr17_17352367
chr8	1.28E+08	127795771	+	9.211E-35	8.48443E-33	-0.29184	hypo	sig	chr8_127795771
chr17	76000164	76000164	+	9.22E-35	8.49207E-33	-0.28735	hypo	sig	chr17_76000164
chr14	28778399	28778399	+	9.231E-35	8.50125E-33	0.286369	hyper	sig	chr14_28778399
chr8	48735250	48735250	+	9.24E-35	8.50877E-33	0.221467	hyper	sig	chr8_48735250
chr4	1.11E+08	110612705	+	9.245E-35	8.51222E-33	0.262829	hyper	sig	chr4_110612705
chr16	85485554	85485554	+	9.292E-35	8.55474E-33	-0.21035	hypo	sig	chr16_85485554
chr2	1E+08	100322588	+	9.297E-35	8.55816E-33	0.296177	hyper	sig	chr2_100322588
chr8	1.44E+08	144047097	+	9.37E-35	8.62434E-33	-0.29526	hypo	sig	chr8_144047097
chr6	30172188	30172188	+	9.393E-35	8.64491E-33	0.300235	hyper	sig	chr6_30172188
chr19	49133063	49133063	+	9.403E-35	8.65295E-33	0.33607	hyper	sig	chr19_49133063
chr7	1.25E+08	124764327	+	9.485E-35	8.72676E-33	0.280968	hyper	sig	chr7_124764327
chr11	526380	526380	+	9.492E-35	8.73118E-33	-0.25888	hypo	sig	chr11_526380
chr15	59994297	59994297	+	9.493E-35	8.73118E-33	0.317665	hyper	sig	chr15_59994297
chr3	1.47E+08	147409934	+	9.492E-35	8.73118E-33	0.318944	hyper	sig	chr3_147409934
chr12	80708705	80708705	+	9.506E-35	8.74228E-33	0.285211	hyper	sig	chr12_80708705
chr1	2206292	2206292	+	9.519E-35	8.75312E-33	-0.30613	hypo	sig	chr1_2206292
chr16	89202421	89202421	+	9.601E-35	8.82782E-33	0.270228	hyper	sig	chr16_89202421
chr12	53960752	53960752	+	9.613E-35	8.83721E-33	0.289342	hyper	sig	chr12_53960752
chr17	46819567	46819567	+	9.624E-35	8.84624E-33	0.230287	hyper	sig	chr17_46819567
chr1	20473502	20473502	+	9.633E-35	8.85289E-33	0.292159	hyper	sig	chr1_20473502
chr1	12063437	12063437	+	9.639E-35	8.85805E-33	0.214808	hyper	sig	chr1_12063437
chr20	21706742	21706742	+	9.66E-35	8.87605E-33	0.307067	hyper	sig	chr20_21706742
chr12	6824274	6824274	+	9.709E-35	8.92006E-33	-0.27917	hypo	sig	chr12_6824274
chr13	50132447	50132447	+	9.745E-35	8.95231E-33	0.310537	hyper	sig	chr13_50132447
chr20	24469209	24469209	+	9.761E-35	8.96626E-33	0.385949	hyper	sig	chr20_24469209
chr11	65856050	65856050	+	9.766E-35	8.96977E-33	-0.29813	hypo	sig	chr11_65856050
chr16	86578921	86578921	+	9.769E-35	8.97142E-33	0.3404	hyper	sig	chr16_86578921
chr12	85273901	85273901	+	9.781E-35	8.98166E-33	0.264384	hyper	sig	chr12_85273901
chr6	84764892	84764892	+	9.81E-35	9.00656E-33	0.21015	hyper	sig	chr6_84764892
chr5	1.41E+08	141413901	+	9.829E-35	9.02356E-33	0.264397	hyper	sig	chr5_141413901

chr4	1.11E+08	110614473	+	9.861E-35	9.05125E-33	0.359019	hyper	sig	chr4_110614473
chr13	1.12E+08	112345783	+	9.92E-35	9.10505E-33	-0.26365	hypo	sig	chr13_112345783
chr4	1057224	1057224	+	9.926E-35	9.1089E-33	-0.26516	hypo	sig	chr4_1057224
chr10	1.01E+08	101226163	+	1.001E-34	9.18777E-33	0.307034	hyper	sig	chr10_101226163
chr17	48621600	48621600	+	1.002E-34	9.1945E-33	-0.27498	hypo	sig	chr17_48621600
chr6	27275220	27275220	+	1.006E-34	9.22917E-33	0.279136	hyper	sig	chr6_27275220
chr20	46815055	46815055	+	1.009E-34	9.25703E-33	-0.24939	hypo	sig	chr20_46815055
chr7	1.57E+08	157124819	+	1.013E-34	9.29232E-33	-0.28144	hypo	sig	chr7_157124819
chr20	62563910	62563910	+	1.022E-34	9.37562E-33	-0.25937	hypo	sig	chr20_62563910
chr4	1.25E+08	125316309	+	1.023E-34	9.38186E-33	0.236594	hyper	sig	chr4_125316309
chr1	3651279	3651279	+	1.024E-34	9.39138E-33	0.282467	hyper	sig	chr1_3651279
chr9	96022548	96022548	+	1.027E-34	9.41549E-33	0.281185	hyper	sig	chr9_96022548
chr11	61334693	61334693	+	1.031E-34	9.45035E-33	-0.25274	hypo	sig	chr11_61334693
chr11	521014	521014	+	1.038E-34	9.5106E-33	-0.28504	hypo	sig	chr11_521014
chr6	1.5E+08	149964441	+	1.042E-34	9.54523E-33	0.24861	hyper	sig	chr6_149964441
chr8	1.43E+08	142777122	+	1.05E-34	9.61912E-33	0.269314	hyper	sig	chr8_142777122
chr6	1.5E+08	149964409	+	1.053E-34	9.64505E-33	0.229594	hyper	sig	chr6_149964409
chr19	618324	618324	+	1.053E-34	9.6469E-33	0.279558	hyper	sig	chr19_618324
chr1	15605939	15605939	+	1.055E-34	9.66055E-33	-0.34306	hypo	sig	chr1_15605939
chr11	1060673	1060673	+	1.059E-34	9.69349E-33	-0.30182	hypo	sig	chr11_1060673
chr11	8169037	8169037	+	1.059E-34	9.70016E-33	0.256087	hyper	sig	chr11_8169037
chr10	55628553	55628553	+	1.063E-34	9.72887E-33	0.318294	hyper	sig	chr10_55628553
chr7	90118945	90118945	+	1.063E-34	9.73286E-33	0.244813	hyper	sig	chr7_90118945
chr19	42067250	42067250	+	1.08E-34	9.88257E-33	-0.26281	hypo	sig	chr19_42067250
chr12	98745843	98745843	+	1.081E-34	9.88981E-33	0.200155	hyper	sig	chr12_98745843
chr5	1.41E+08	141234287	+	1.096E-34	1.00316E-32	0.327116	hyper	sig	chr5_141234287
chr2	44933229	44933229	+	1.097E-34	1.00344E-32	0.302704	hyper	sig	chr2_44933229
chr7	923786	923786	+	1.106E-34	1.01168E-32	-0.26201	hypo	sig	chr7_923786
chr19	817776	817776	+	1.112E-34	1.01741E-32	-0.29282	hypo	sig	chr19_817776
chr22	39646624	39646624	+	1.113E-34	1.01771E-32	-0.34722	hypo	sig	chr22_39646624
chr2	50347899	50347899	+	1.113E-34	1.01798E-32	0.293728	hyper	sig	chr2_50347899
chr5	430317	430317	+	1.114E-34	1.01892E-32	-0.22032	hypo	sig	chr5_430317
chr13	27927243	27927243	+	1.123E-34	1.0265E-32	0.383224	hyper	sig	chr13_27927243
chr6	1.38E+08	138104999	+	1.125E-34	1.02826E-32	-0.33157	hypo	sig	chr6_138104999
chr11	20601190	20601190	+	1.127E-34	1.03064E-32	0.269295	hyper	sig	chr11_20601190
chr7	1.58E+08	157796085	+	1.138E-34	1.03991E-32	-0.28754	hypo	sig	chr7_157796085
chr3	62377765	62377765	+	1.138E-34	1.04012E-32	0.318572	hyper	sig	chr3_62377765
chr2	1.19E+08	119159071	+	1.145E-34	1.04592E-32	0.274664	hyper	sig	chr2_119159071
chr5	1658919	1658919	+	1.145E-34	1.04612E-32	-0.39861	hypo	sig	chr5_1658919
chr16	86579988	86579988	+	1.151E-34	1.05097E-32	0.316812	hyper	sig	chr16_86579988
chr2	2.37E+08	236568225	+	1.165E-34	1.06425E-32	0.228354	hyper	sig	chr2_236568225
chr2	1.31E+08	130964720	+	1.169E-34	1.06741E-32	0.254165	hyper	sig	chr2_130964720
chr9	97853514	97853514	+	1.172E-34	1.07058E-32	0.252975	hyper	sig	chr9_97853514
chr4	3675826	3675826	+	1.175E-34	1.07259E-32	-0.23161	hypo	sig	chr4_3675826
chr13	36128521	36128521	+	1.184E-34	1.08126E-32	-0.25995	hypo	sig	chr13_36128521
chr14	47675880	47675880	+	1.188E-34	1.08443E-32	0.353051	hyper	sig	chr14_47675880
chr19	7879969	7879969	+	1.194E-34	1.08943E-32	-0.31113	hypo	sig	chr19_7879969
chr7	1.59E+08	159144049	+	1.195E-34	1.09059E-32	0.32976	hyper	sig	chr7_159144049
chr12	1.14E+08	114404215	+	1.195E-34	1.09059E-32	0.271446	hyper	sig	chr12_114404215
chr2	2.33E+08	232519751	+	1.196E-34	1.09093E-32	-0.32052	hypo	sig	chr2_232519751
chr7	97007352	97007352	+	1.21E-34	1.10377E-32	0.257261	hyper	sig	chr7_97007352
chr1	2.07E+08	207495977	+	1.213E-34	1.10664E-32	0.322997	hyper	sig	chr1_207495977
chr12	40693653	40693653	+	1.214E-34	1.10705E-32	0.291577	hyper	sig	chr12_40693653
chr7	2680760	2680760	+	1.214E-34	1.10705E-32	-0.30003	hypo	sig	chr7_2680760
chr6	1.37E+08	137494432	+	1.216E-34	1.10927E-32	0.264795	hyper	sig	chr6_137494432
chr2	74516387	74516387	+	1.218E-34	1.11061E-32	0.284919	hyper	sig	chr2_74516387

chr6	1E+08	100469055	+	1.219E-34	1.11106E-32	0.248541	hyper	sig	chr6_100469055
chr1	1.45E+08	144552059	+	1.219E-34	1.11146E-32	0.232207	hyper	sig	chr1_144552059
chr20	25083516	25083516	+	1.221E-34	1.11319E-32	0.286984	hyper	sig	chr20_25083516
chr11	1.18E+08	117810233	+	1.224E-34	1.11516E-32	-0.31086	hypo	sig	chr11_117810233
chr6	1.5E+08	149964534	+	1.225E-34	1.11585E-32	0.23844	hyper	sig	chr6_149964534
chr14	1.01E+08	101060783	+	1.232E-34	1.12247E-32	-0.25346	hypo	sig	chr14_101060783
chr12	85273607	85273607	+	1.232E-34	1.12262E-32	0.297725	hyper	sig	chr12_85273607
chr5	1.36E+08	136029218	+	1.235E-34	1.12484E-32	-0.29898	hypo	sig	chr5_136029218
chr17	48722292	48722292	+	1.244E-34	1.13283E-32	0.268236	hyper	sig	chr17_48722292
chr16	86495075	86495075	+	1.246E-34	1.13467E-32	0.298585	hyper	sig	chr16_86495075
chr11	22432971	22432971	+	1.27E-34	1.15628E-32	0.288333	hyper	sig	chr11_22432971
chr4	1.09E+08	109302625	+	1.274E-34	1.15956E-32	0.279098	hyper	sig	chr4_109302625
chr3	10357755	10357755	+	1.275E-34	1.1609E-32	-0.27025	hypo	sig	chr3_10357755
chr13	1.12E+08	112056509	+	1.281E-34	1.16617E-32	0.375905	hyper	sig	chr13_112056509
chr19	3130810	3130810	+	1.283E-34	1.168E-32	-0.42489	hypo	sig	chr19_3130810
chr2	38038531	38038531	+	1.293E-34	1.17632E-32	0.349209	hyper	sig	chr2_38038531
chr8	1.16E+08	115648479	+	1.293E-34	1.17632E-32	0.280605	hyper	sig	chr8_115648479
chr10	1.01E+08	101218288	+	1.295E-34	1.17874E-32	0.290383	hyper	sig	chr10_101218288
chr5	14414812	14414812	+	1.296E-34	1.17886E-32	0.291826	hyper	sig	chr5_14414812
chr19	856132	856132	+	1.296E-34	1.17888E-32	-0.31635	hypo	sig	chr19_856132
chr1	50416242	50416242	+	1.296E-34	1.17893E-32	0.285634	hyper	sig	chr1_50416242
chr14	28774201	28774201	+	1.299E-34	1.18161E-32	0.250989	hyper	sig	chr14_28774201
chr5	1.16E+08	115962061	+	1.301E-34	1.18323E-32	0.296624	hyper	sig	chr5_115962061
chr1	10672297	10672297	+	1.307E-34	1.18877E-32	0.383472	hyper	sig	chr1_10672297
chr1	1.81E+08	181413741	+	1.311E-34	1.19232E-32	-0.25883	hypo	sig	chr1_181413741
chr1	1210203	1210203	+	1.313E-34	1.19331E-32	-0.26727	hypo	sig	chr1_1210203
chr13	27795389	27795389	+	1.314E-34	1.19394E-32	0.283634	hyper	sig	chr13_27795389
chr4	13529473	13529473	+	1.318E-34	1.19829E-32	0.26794	hyper	sig	chr4_13529473
chr4	1.11E+08	110618323	+	1.333E-34	1.21157E-32	0.233539	hyper	sig	chr4_110618323
chr16	89202449	89202449	+	1.334E-34	1.21212E-32	0.247431	hyper	sig	chr16_89202449
chr2	1.19E+08	118857414	+	1.337E-34	1.21464E-32	0.240844	hyper	sig	chr2_118857414
chr16	51155967	51155967	+	1.338E-34	1.21572E-32	0.310174	hyper	sig	chr16_51155967
chr18	11751517	11751517	+	1.339E-34	1.21577E-32	0.263471	hyper	sig	chr18_11751517
chr20	21706746	21706746	+	1.339E-34	1.21577E-32	0.310487	hyper	sig	chr20_21706746
chr17	81529255	81529255	+	1.339E-34	1.21605E-32	-0.2451	hypo	sig	chr17_81529255
chr2	1.19E+08	118834090	+	1.342E-34	1.21891E-32	0.329289	hyper	sig	chr2_118834090
chr9	93953892	93953892	+	1.344E-34	1.22009E-32	0.364934	hyper	sig	chr9_93953892
chr1	1.44E+08	143904582	+	1.353E-34	1.22862E-32	0.261686	hyper	sig	chr1_143904582
chr7	1.57E+08	157297455	+	1.355E-34	1.22967E-32	-0.36533	hypo	sig	chr7_157297455
chr17	78997520	78997520	+	1.359E-34	1.23299E-32	-0.31126	hypo	sig	chr17_78997520
chr2	5696200	5696200	+	1.368E-34	1.24098E-32	0.380112	hyper	sig	chr2_5696200
chr11	1.11E+08	111283959	+	1.372E-34	1.24452E-32	-0.34109	hypo	sig	chr11_111283959
chr18	48980136	48980136	+	1.372E-34	1.24516E-32	-0.32591	hypo	sig	chr18_48980136
chr16	85625264	85625264	+	1.373E-34	1.24558E-32	-0.30002	hypo	sig	chr16_85625264
chr22	41449645	41449645	+	1.376E-34	1.24777E-32	-0.31249	hypo	sig	chr22_41449645
chr9	1045622	1045622	+	1.383E-34	1.25439E-32	0.236609	hyper	sig	chr9_1045622
chr7	1513592	1513592	+	1.388E-34	1.25911E-32	-0.3207	hypo	sig	chr7_1513592
chr8	48735419	48735419	+	1.392E-34	1.26207E-32	0.266195	hyper	sig	chr8_48735419
chr8	52940106	52940106	+	1.394E-34	1.26375E-32	0.324005	hyper	sig	chr8_52940106
chr2	2.33E+08	233060142	+	1.395E-34	1.26476E-32	-0.28707	hypo	sig	chr2_233060142
chr12	1.14E+08	114405498	+	1.396E-34	1.26563E-32	0.202008	hyper	sig	chr12_114405498
chr2	1.76E+08	176109321	+	1.397E-34	1.26591E-32	0.261718	hyper	sig	chr2_176109321
chr20	24470093	24470093	+	1.4E-34	1.26847E-32	0.32759	hyper	sig	chr20_24470093
chr14	37602209	37602209	+	1.405E-34	1.27316E-32	0.312515	hyper	sig	chr14_37602209
chr16	561966	561966	+	1.408E-34	1.27587E-32	-0.30232	hypo	sig	chr16_561966
chr13	57629740	57629740	+	1.41E-34	1.27714E-32	0.442218	hyper	sig	chr13_57629740

chr7	24283940	24283940	+	1.415E-34	1.28219E-32	0.396958	hyper	sig	chr7_24283940
chr3	27723735	27723735	+	1.418E-34	1.28402E-32	0.394533	hyper	sig	chr3_27723735
chr2	1.3E+08	130139564	+	1.427E-34	1.29212E-32	-0.26192	hypo	sig	chr2_130139564
chr8	1.42E+08	142464428	+	1.429E-34	1.29359E-32	0.204031	hyper	sig	chr8_142464428
chr10	23191060	23191060	+	1.429E-34	1.29378E-32	0.358671	hyper	sig	chr10_23191060
chr8	26048270	26048270	+	1.43E-34	1.29434E-32	0.293535	hyper	sig	chr8_26048270
chr3	1.47E+08	147413569	+	1.43E-34	1.29471E-32	0.295292	hyper	sig	chr3_147413569
chr14	1.04E+08	104182034	+	1.431E-34	1.29501E-32	-0.24554	hypo	sig	chr14_104182034
chr4	1.09E+08	109302158	+	1.439E-34	1.30222E-32	0.269087	hyper	sig	chr4_109302158
chr8	53877152	53877152	+	1.445E-34	1.30782E-32	0.388752	hyper	sig	chr8_53877152
chr21	33025952	33025952	+	1.454E-34	1.31547E-32	0.339602	hyper	sig	chr21_33025952
chr16	1549126	1549126	+	1.456E-34	1.31733E-32	-0.20888	hypo	sig	chr16_1549126
chr6	1.23E+08	122996454	+	1.464E-34	1.32466E-32	0.453773	hyper	sig	chr6_122996454
chr9	97855430	97855430	+	1.466E-34	1.32564E-32	0.35038	hyper	sig	chr9_97855430
chr2	66425841	66425841	+	1.468E-34	1.32711E-32	0.20169	hyper	sig	chr2_66425841
chr10	16520662	16520662	+	1.469E-34	1.32807E-32	0.299867	hyper	sig	chr10_16520662
chr6	29792762	29792762	+	1.469E-34	1.32807E-32	0.284999	hyper	sig	chr6_29792762
chr11	32427904	32427904	+	1.469E-34	1.32834E-32	0.348857	hyper	sig	chr11_32427904
chr3	1.38E+08	137770861	+	1.474E-34	1.3323E-32	0.322631	hyper	sig	chr3_137770861
chr6	10422403	10422403	+	1.475E-34	1.3327E-32	0.295368	hyper	sig	chr6_10422403
chr12	8018867	8018867	+	1.481E-34	1.33856E-32	0.228844	hyper	sig	chr12_8018867
chr13	1.01E+08	101416821	+	1.484E-34	1.34084E-32	0.298867	hyper	sig	chr13_101416821
chr7	1.37E+08	136871436	+	1.494E-34	1.34941E-32	0.285108	hyper	sig	chr7_136871436
chr14	1.05E+08	104637375	+	1.506E-34	1.36042E-32	-0.32458	hypo	sig	chr14_104637375
chr16	88416212	88416212	+	1.512E-34	1.36514E-32	-0.28616	hypo	sig	chr16_88416212
chr17	27293586	27293586	+	1.518E-34	1.37063E-32	-0.45396	hypo	sig	chr17_27293586
chr1	24321719	24321719	+	1.52E-34	1.37245E-32	-0.31295	hypo	sig	chr1_24321719
chr8	26865848	26865848	+	1.522E-34	1.37377E-32	0.412213	hyper	sig	chr8_26865848
chr16	51151199	51151199	+	1.528E-34	1.37902E-32	0.357377	hyper	sig	chr16_51151199
chr10	7411500	7411500	+	1.533E-34	1.38387E-32	0.257219	hyper	sig	chr10_7411500
chr1	75133920	75133920	+	1.533E-34	1.38393E-32	0.267115	hyper	sig	chr1_75133920
chr6	50836232	50836232	+	1.539E-34	1.38917E-32	0.259086	hyper	sig	chr6_50836232
chr13	25171626	25171626	+	1.54E-34	1.38933E-32	0.28025	hyper	sig	chr13_25171626
chr7	97022848	97022848	+	1.547E-34	1.39607E-32	0.231294	hyper	sig	chr7_97022848
chr5	1.41E+08	141339207	+	1.552E-34	1.40025E-32	0.246002	hyper	sig	chr5_141339207
chr7	27101342	27101342	+	1.552E-34	1.40031E-32	0.27332	hyper	sig	chr7_27101342
chr14	96593012	96593012	+	1.555E-34	1.40261E-32	0.205836	hyper	sig	chr14_96593012
chr14	47675832	47675832	+	1.557E-34	1.4038E-32	0.29628	hyper	sig	chr14_47675832
chr11	841335	841335	+	1.557E-34	1.40382E-32	-0.31167	hypo	sig	chr11_841335
chr2	74499458	74499458	+	1.56E-34	1.40609E-32	0.229975	hyper	sig	chr2_74499458
chr12	1.32E+08	132329074	+	1.567E-34	1.41274E-32	0.281863	hyper	sig	chr12_132329074
chr7	27101428	27101428	+	1.569E-34	1.41469E-32	0.273311	hyper	sig	chr7_27101428
chr11	45355381	45355381	+	1.589E-34	1.43252E-32	0.279104	hyper	sig	chr11_45355381
chr16	88116319	88116319	+	1.592E-34	1.43489E-32	-0.26932	hypo	sig	chr16_88116319
chr8	22690172	22690172	+	1.596E-34	1.43846E-32	0.27792	hyper	sig	chr8_22690172
chr14	36663544	36663544	+	1.604E-34	1.44505E-32	0.217223	hyper	sig	chr14_36663544
chr4	1.64E+08	164383242	+	1.606E-34	1.44727E-32	0.306857	hyper	sig	chr4_164383242
chr11	8059812	8059812	+	1.61E-34	1.45046E-32	-0.31655	hypo	sig	chr11_8059812
chr21	46002636	46002636	+	1.617E-34	1.45645E-32	-0.25964	hypo	sig	chr21_46002636
chr15	34754967	34754967	+	1.619E-34	1.45814E-32	0.264726	hyper	sig	chr15_34754967
chr13	1.12E+08	112055199	+	1.621E-34	1.45921E-32	0.262475	hyper	sig	chr13_112055199
chr9	1.36E+08	135693884	+	1.621E-34	1.45921E-32	-0.327	hypo	sig	chr9_135693884
chr10	594134	594134	+	1.625E-34	1.46263E-32	-0.28984	hypo	sig	chr10_594134
chr13	1.01E+08	101416662	+	1.625E-34	1.46274E-32	0.327687	hyper	sig	chr13_101416662
chr14	1.04E+08	104142027	+	1.632E-34	1.46853E-32	-0.2851	hypo	sig	chr14_104142027
chr6	1625198	1625198	+	1.64E-34	1.47607E-32	0.249193	hyper	sig	chr6_1625198

chr1	1.19E+08	119006532	+	1.646E-34	1.48138E-32	0.259093	hyper	sig	chr1_119006532
chr6	32746289	32746289	+	1.648E-34	1.4829E-32	-0.35408	hypo	sig	chr6_32746289
chr9	1.37E+08	137216790	+	1.648E-34	1.4829E-32	0.231734	hyper	sig	chr9_137216790
chr18	9912992	9912992	+	1.658E-34	1.49188E-32	-0.29739	hypo	sig	chr18_9912992
chr19	57591305	57591305	+	1.66E-34	1.49299E-32	-0.34567	hypo	sig	chr19_57591305
chr15	82647481	82647481	+	1.664E-34	1.49621E-32	0.261038	hyper	sig	chr15_82647481
chr20	45297997	45297997	+	1.666E-34	1.49828E-32	-0.29311	hypo	sig	chr20_45297997
chr8	66962108	66962108	+	1.676E-34	1.50714E-32	0.238146	hyper	sig	chr8_66962108
chr17	78140806	78140806	+	1.679E-34	1.50977E-32	-0.29121	hypo	sig	chr17_78140806
chr18	79426404	79426404	+	1.685E-34	1.51483E-32	-0.28368	hypo	sig	chr18_79426404
chr4	13528240	13528240	+	1.686E-34	1.51578E-32	0.224924	hyper	sig	chr4_13528240
chr20	21517490	21517490	+	1.693E-34	1.52132E-32	0.360184	hyper	sig	chr20_21517490
chr17	43842235	43842235	+	1.696E-34	1.52429E-32	-0.35854	hypo	sig	chr17_43842235
chr8	1.44E+08	144074392	+	1.698E-34	1.52577E-32	-0.30303	hypo	sig	chr8_144074392
chr8	84184917	84184917	+	1.707E-34	1.53343E-32	0.297765	hyper	sig	chr8_84184917
chr7	965150	965150	+	1.722E-34	1.54691E-32	-0.26756	hypo	sig	chr7_965150
chr10	1.24E+08	123973307	+	1.722E-34	1.54705E-32	0.274349	hyper	sig	chr10_123973307
chr6	28443662	28443662	+	1.732E-34	1.55588E-32	0.247573	hyper	sig	chr6_28443662
chr12	1.25E+08	124966120	+	1.74E-34	1.56244E-32	0.429382	hyper	sig	chr12_124966120
chr10	1.32E+08	131678551	+	1.741E-34	1.56354E-32	-0.32284	hypo	sig	chr10_131678551
chr10	7412660	7412660	+	1.743E-34	1.56493E-32	0.319776	hyper	sig	chr10_7412660
chr10	1.05E+08	104641561	+	1.746E-34	1.56753E-32	0.321654	hyper	sig	chr10_104641561
chr2	31137943	31137943	+	1.752E-34	1.57289E-32	0.210541	hyper	sig	chr2_31137943
chr1	2470229	2470229	+	1.753E-34	1.57308E-32	0.24116	hyper	sig	chr1_2470229
chr19	641901	641901	+	1.753E-34	1.57308E-32	-0.31746	hypo	sig	chr19_641901
chr13	1.12E+08	112067411	+	1.755E-34	1.57472E-32	0.218271	hyper	sig	chr13_112067411
chr20	41134104	41134104	+	1.756E-34	1.57579E-32	-0.31966	hypo	sig	chr20_41134104
chr12	1.11E+08	111036209	+	1.768E-34	1.58582E-32	0.232429	hyper	sig	chr12_111036209
chr4	6112823	6112823	+	1.778E-34	1.5948E-32	-0.24248	hypo	sig	chr4_6112823
chr2	2.31E+08	231398451	+	1.78E-34	1.59651E-32	0.249613	hyper	sig	chr2_231398451
chr2	63055709	63055709	+	1.785E-34	1.60086E-32	0.22595	hyper	sig	chr2_63055709
chr5	1.6E+08	160280546	+	1.797E-34	1.61132E-32	-0.33277	hypo	sig	chr5_160280546
chr5	1.41E+08	141421665	+	1.797E-34	1.61135E-32	0.293865	hyper	sig	chr5_141421665
chr1	47439749	47439749	+	1.801E-34	1.6144E-32	0.315594	hyper	sig	chr1_47439749
chr6	32056840	32056840	+	1.807E-34	1.62E-32	-0.25178	hypo	sig	chr6_32056840
chr7	97020955	97020955	+	1.818E-34	1.62979E-32	0.287481	hyper	sig	chr7_97020955
chr13	78586962	78586962	+	1.827E-34	1.63699E-32	0.28036	hyper	sig	chr13_78586962
chr17	65228927	65228927	+	1.828E-34	1.6381E-32	-0.25391	hypo	sig	chr17_65228927
chr8	1.33E+08	133212477	+	1.841E-34	1.64973E-32	-0.28244	hypo	sig	chr8_133212477
chr4	1.41E+08	141132502	+	1.843E-34	1.65097E-32	0.214982	hyper	sig	chr4_141132502
chr7	5302757	5302757	+	1.853E-34	1.65978E-32	-0.42357	hypo	sig	chr7_5302757
chr1	2.28E+08	228341203	+	1.862E-34	1.66764E-32	-0.31096	hypo	sig	chr1_228341203
chr3	10993324	10993324	+	1.865E-34	1.67053E-32	0.246858	hyper	sig	chr3_10993324
chr21	36705335	36705335	+	1.868E-34	1.67301E-32	0.331228	hyper	sig	chr21_36705335
chr19	11296201	11296201	+	1.871E-34	1.67529E-32	-0.28858	hypo	sig	chr19_11296201
chr1	98049528	98049528	+	1.877E-34	1.68023E-32	0.225448	hyper	sig	chr1_98049528
chr10	1.33E+08	133164525	+	1.879E-34	1.6817E-32	-0.28375	hypo	sig	chr10_133164525
chr5	1876318	1876318	+	1.885E-34	1.68702E-32	0.278977	hyper	sig	chr5_1876318
chr16	22948287	22948287	+	1.888E-34	1.68993E-32	0.24568	hyper	sig	chr16_22948287
chr16	46731553	46731553	+	1.889E-34	1.68997E-32	-0.30486	hypo	sig	chr16_46731553
chr20	63007255	63007255	+	1.889E-34	1.68997E-32	0.339982	hyper	sig	chr20_63007255
chr11	1.32E+08	131910443	+	1.89E-34	1.6913E-32	0.265569	hyper	sig	chr11_131910443
chr6	1.01E+08	101403478	+	1.891E-34	1.6913E-32	0.252141	hyper	sig	chr6_101403478
chr19	48196656	48196656	+	1.899E-34	1.69825E-32	-0.34112	hypo	sig	chr19_48196656
chr2	1.82E+08	181684568	+	1.906E-34	1.70491E-32	0.388421	hyper	sig	chr2_181684568
chr20	21514041	21514041	+	1.909E-34	1.70722E-32	0.234847	hyper	sig	chr20_21514041

chr1	7460069	7460069	+	1.91E-34	1.70807E-32	0.272264	hyper	sig	chr1_7460069
chr17	82309195	82309195	+	1.924E-34	1.72042E-32	-0.32386	hypo	sig	chr17_82309195
chr10	49115213	49115213	+	1.934E-34	1.72865E-32	0.265415	hyper	sig	chr10_49115213
chr15	89371810	89371810	+	1.938E-34	1.73195E-32	0.229077	hyper	sig	chr15_89371810
chr9	971496	971496	+	1.941E-34	1.73487E-32	0.361313	hyper	sig	chr9_971496
chr19	44448610	44448610	+	1.95E-34	1.74265E-32	0.269057	hyper	sig	chr19_44448610
chr3	1.38E+08	137761955	+	1.955E-34	1.74661E-32	0.301587	hyper	sig	chr3_137761955
chr12	4911545	4911545	+	1.962E-34	1.75301E-32	0.312352	hyper	sig	chr12_4911545
chr8	54457651	54457651	+	1.963E-34	1.75323E-32	0.339247	hyper	sig	chr8_54457651
chr8	54466483	54466483	+	1.963E-34	1.75326E-32	0.336087	hyper	sig	chr8_54466483
chr2	70767731	70767731	+	1.977E-34	1.76566E-32	0.205106	hyper	sig	chr2_70767731
chr9	13278573	13278573	+	1.981E-34	1.76875E-32	0.273088	hyper	sig	chr9_13278573
chr8	54454278	54454278	+	1.982E-34	1.76946E-32	0.291875	hyper	sig	chr8_54454278
chr2	2.13E+08	212536837	+	1.991E-34	1.778E-32	0.351126	hyper	sig	chr2_212536837
chr1	2428219	2428219	+	2.004E-34	1.78923E-32	-0.25361	hypo	sig	chr1_2428219
chr5	88602874	88602874	+	2.012E-34	1.796E-32	-0.25669	hypo	sig	chr5_88602874
chr14	41606537	41606537	+	2.015E-34	1.79866E-32	0.270916	hyper	sig	chr14_41606537
chr2	1.3E+08	130005994	+	2.016E-34	1.79929E-32	0.30728	hyper	sig	chr2_130005994
chr4	1.76E+08	176065858	+	2.016E-34	1.79929E-32	0.266277	hyper	sig	chr4_176065858
chr1	2.21E+08	220884409	+	2.027E-34	1.80822E-32	0.256653	hyper	sig	chr1_220884409
chr1	31939495	31939495	+	2.028E-34	1.80945E-32	-0.32609	hypo	sig	chr1_31939495
chr13	1.01E+08	101416781	+	2.029E-34	1.81003E-32	0.301415	hyper	sig	chr13_101416781
chr10	1.02E+08	102240678	+	2.032E-34	1.81274E-32	0.289982	hyper	sig	chr10_102240678
chr16	51153839	51153839	+	2.034E-34	1.8143E-32	0.299625	hyper	sig	chr16_51153839
chr2	10014918	10014918	+	2.043E-34	1.82168E-32	-0.40912	hypo	sig	chr2_10014918
chr8	23706520	23706520	+	2.067E-34	1.84321E-32	0.312827	hyper	sig	chr8_23706520
chr6	57800236	57800236	+	2.072E-34	1.84729E-32	0.316161	hyper	sig	chr6_57800236
chr6	62285618	62285618	+	2.073E-34	1.84774E-32	0.346774	hyper	sig	chr6_62285618
chr10	3782255	3782255	+	2.076E-34	1.85044E-32	-0.20598	hypo	sig	chr10_3782255
chr13	1.11E+08	110506744	+	2.085E-34	1.8585E-32	-0.30175	hypo	sig	chr13_110506744
chr9	13278587	13278587	+	2.087E-34	1.86019E-32	0.288408	hyper	sig	chr9_13278587
chr10	55628510	55628510	+	2.101E-34	1.87264E-32	0.226127	hyper	sig	chr10_55628510
chr19	20661257	20661257	+	2.106E-34	1.87632E-32	0.330383	hyper	sig	chr19_20661257
chr2	1.6E+08	160271612	+	2.122E-34	1.89003E-32	-0.28644	hypo	sig	chr2_160271612
chr12	53966727	53966727	+	2.132E-34	1.89867E-32	0.302995	hyper	sig	chr12_53966727
chr8	96161514	96161514	+	2.135E-34	1.90121E-32	0.317921	hyper	sig	chr8_96161514
chr7	1.58E+08	157689592	+	2.136E-34	1.9024E-32	0.359577	hyper	sig	chr7_157689592
chr18	8366988	8366988	+	2.156E-34	1.91944E-32	-0.27969	hypo	sig	chr18_8366988
chr1	1212924	1212924	+	2.167E-34	1.92938E-32	-0.25193	hypo	sig	chr1_1212924
chr7	45922250	45922250	+	2.17E-34	1.93194E-32	0.217424	hyper	sig	chr7_45922250
chr2	1E+08	100391756	+	2.173E-34	1.93412E-32	-0.28923	hypo	sig	chr2_100391756
chr22	49184042	49184042	+	2.175E-34	1.93558E-32	-0.27275	hypo	sig	chr22_49184042
chr7	54542664	54542664	+	2.175E-34	1.93558E-32	0.33425	hyper	sig	chr7_54542664
chr6	75204996	75204996	+	2.18E-34	1.94003E-32	0.25487	hyper	sig	chr6_75204996
chr9	97852674	97852674	+	2.181E-34	1.9402E-32	0.39291	hyper	sig	chr9_97852674
chr4	4862743	4862743	+	2.181E-34	1.94046E-32	0.278191	hyper	sig	chr4_4862743
chr19	21835944	21835944	+	2.186E-34	1.9445E-32	0.205202	hyper	sig	chr19_21835944
chr13	1.1E+08	110475278	+	2.189E-34	1.94652E-32	-0.29172	hypo	sig	chr13_110475278
chr5	44388912	44388912	+	2.189E-34	1.94652E-32	0.291587	hyper	sig	chr5_44388912
chr1	1.19E+08	119000708	+	2.225E-34	1.97887E-32	0.276879	hyper	sig	chr1_119000708
chr17	48726947	48726947	+	2.233E-34	1.98519E-32	0.248872	hyper	sig	chr17_48726947
chr5	1.36E+08	135930827	+	2.235E-34	1.98681E-32	0.316901	hyper	sig	chr5_135930827
chr5	1.41E+08	141476983	+	2.237E-34	1.98803E-32	0.317291	hyper	sig	chr5_141476983
chr10	25934079	25934079	+	2.252E-34	2.0017E-32	0.338268	hyper	sig	chr10_25934079
chr5	88689978	88689978	+	2.257E-34	2.00575E-32	0.298262	hyper	sig	chr5_88689978
chr6	1.67E+08	166721721	+	2.26E-34	2.00819E-32	-0.31804	hypo	sig	chr6_166721721

chr15	1E+08	100111305	+	2.262E-34	2.00943E-32	-0.22917	hypo	sig	chr15_100111305
chr4	1.55E+08	154741279	+	2.277E-34	2.02246E-32	0.261558	hyper	sig	chr4_154741279
chr19	35558478	35558478	+	2.279E-34	2.02469E-32	0.299084	hyper	sig	chr19_35558478
chr5	88689797	88689797	+	2.281E-34	2.02618E-32	0.30234	hyper	sig	chr5_88689797
chr17	68198603	68198603	+	2.284E-34	2.02757E-32	0.244235	hyper	sig	chr17_68198603
chr2	2.41E+08	241081792	+	2.284E-34	2.02757E-32	-0.31178	hypo	sig	chr2_241081792
chr8	52940117	52940117	+	2.284E-34	2.02757E-32	0.329374	hyper	sig	chr8_52940117
chr1	1.44E+08	143905335	+	2.287E-34	2.03031E-32	0.254923	hyper	sig	chr1_143905335
chr12	1.27E+08	126727870	+	2.287E-34	2.03031E-32	0.293265	hyper	sig	chr12_126727870
chr16	89248080	89248080	+	2.291E-34	2.03284E-32	0.357395	hyper	sig	chr16_89248080
chr10	1.05E+08	104641551	+	2.302E-34	2.0428E-32	0.33212	hyper	sig	chr10_104641551
chr12	54055094	54055094	+	2.306E-34	2.04577E-32	0.376092	hyper	sig	chr12_54055094
chr10	79242932	79242932	+	2.309E-34	2.04843E-32	0.33608	hyper	sig	chr10_79242932
chr4	30721668	30721668	+	2.313E-34	2.05192E-32	0.297745	hyper	sig	chr4_30721668
chr2	1.81E+08	181457130	+	2.328E-34	2.06539E-32	0.229279	hyper	sig	chr2_181457130
chr10	7411509	7411509	+	2.332E-34	2.06872E-32	0.259198	hyper	sig	chr10_7411509
chr3	1.47E+08	147396647	+	2.333E-34	2.0688E-32	0.24059	hyper	sig	chr3_147396647
chr16	86516356	86516356	+	2.343E-34	2.07725E-32	0.230957	hyper	sig	chr16_86516356
chr7	15687841	15687841	+	2.344E-34	2.07801E-32	0.220808	hyper	sig	chr7_15687841
chr6	32741381	32741381	+	2.344E-34	2.07826E-32	-0.25753	hypo	sig	chr6_32741381
chr4	1.11E+08	110630890	+	2.348E-34	2.0814E-32	0.25902	hyper	sig	chr4_110630890
chr1	76867540	76867540	+	2.349E-34	2.08197E-32	0.237638	hyper	sig	chr1_76867540
chr14	94773120	94773120	+	2.369E-34	2.09967E-32	0.267366	hyper	sig	chr14_94773120
chr2	2.31E+08	231401380	+	2.38E-34	2.10874E-32	0.281479	hyper	sig	chr2_231401380
chr11	30012849	30012849	+	2.383E-34	2.11137E-32	-0.28686	hypo	sig	chr11_30012849
chr1	2496932	2496932	+	2.386E-34	2.11425E-32	-0.33312	hypo	sig	chr1_2496932
chr17	41583608	41583608	+	2.399E-34	2.12463E-32	-0.30194	hypo	sig	chr17_41583608
chr5	1.71E+08	171315317	+	2.414E-34	2.1382E-32	0.267475	hyper	sig	chr5_171315317
chr3	1.47E+08	147396187	+	2.418E-34	2.14087E-32	0.309431	hyper	sig	chr3_147396187
chr5	1.5E+08	150186441	+	2.418E-34	2.14087E-32	-0.28721	hypo	sig	chr5_150186441
chr6	29793087	29793087	+	2.426E-34	2.14757E-32	0.278703	hyper	sig	chr6_29793087
chr5	172824	172824	+	2.433E-34	2.15348E-32	-0.27681	hypo	sig	chr5_172824
chr19	49133353	49133353	+	2.437E-34	2.15718E-32	0.321825	hyper	sig	chr19_49133353
chr4	1.77E+08	176792123	+	2.439E-34	2.15844E-32	0.257905	hyper	sig	chr4_176792123
chr18	8366964	8366964	+	2.455E-34	2.17232E-32	-0.26829	hypo	sig	chr18_8366964
chr13	57630963	57630963	+	2.456E-34	2.1733E-32	0.287029	hyper	sig	chr13_57630963
chr10	1.01E+08	100519931	+	2.463E-34	2.17957E-32	0.328967	hyper	sig	chr10_100519931
chr17	79006928	79006928	+	2.47E-34	2.18491E-32	-0.28294	hypo	sig	chr17_79006928
chr12	5043999	5043999	+	2.471E-34	2.18603E-32	0.387633	hyper	sig	chr12_5043999
chr3	6861556	6861556	+	2.472E-34	2.18638E-32	0.3766	hyper	sig	chr3_6861556
chr10	1409398	1409398	+	2.472E-34	2.18653E-32	-0.29127	hypo	sig	chr10_1409398
chr15	83283818	83283818	+	2.474E-34	2.18745E-32	0.306549	hyper	sig	chr15_83283818
chr4	1.83E+08	182880713	+	2.498E-34	2.20841E-32	-0.33984	hypo	sig	chr4_182880713
chr4	30721699	30721699	+	2.502E-34	2.21204E-32	0.304227	hyper	sig	chr4_30721699
chr13	95552908	95552908	+	2.503E-34	2.21307E-32	0.423005	hyper	sig	chr13_95552908
chr15	47184239	47184239	+	2.512E-34	2.22018E-32	0.226355	hyper	sig	chr15_47184239
chr5	73298742	73298742	+	2.518E-34	2.22578E-32	0.253509	hyper	sig	chr5_73298742
chr17	82921604	82921604	+	2.543E-34	2.24726E-32	-0.2192	hypo	sig	chr17_82921604
chr5	430345	430345	+	2.552E-34	2.25518E-32	-0.2958	hypo	sig	chr5_430345
chr17	48621611	48621611	+	2.578E-34	2.27768E-32	-0.30823	hypo	sig	chr17_48621611
chr1	1.19E+08	119000537	+	2.585E-34	2.28395E-32	0.313105	hyper	sig	chr1_119000537
chr2	1.24E+08	124025299	+	2.61E-34	2.30584E-32	0.308016	hyper	sig	chr2_124025299
chr8	66962166	66962166	+	2.619E-34	2.31322E-32	0.232516	hyper	sig	chr8_66962166
chr6	1.33E+08	133240522	+	2.634E-34	2.32608E-32	0.303748	hyper	sig	chr6_133240522
chr1	6465995	6465995	+	2.637E-34	2.32903E-32	0.295331	hyper	sig	chr1_6465995
chr1	1.14E+08	114154393	+	2.66E-34	2.34837E-32	0.244504	hyper	sig	chr1_114154393

chr18	69402751	69402751	+	2.661E-34	2.34948E-32	0.309796	hyper	sig	chr18_69402751
chr1	90724727	90724727	+	2.671E-34	2.35804E-32	0.247357	hyper	sig	chr1_90724727
chr2	621957	621957	+	2.671E-34	2.35804E-32	-0.2871	hypo	sig	chr2_621957
chr12	54031159	54031159	+	2.698E-34	2.38086E-32	0.293683	hyper	sig	chr12_54031159
chr10	1.33E+08	133114702	+	2.7E-34	2.38291E-32	-0.27998	hypo	sig	chr10_133114702
chr13	1.1E+08	110308041	+	2.702E-34	2.38407E-32	0.302533	hyper	sig	chr13_110308041
chr6	29793055	29793055	+	2.704E-34	2.38602E-32	0.228335	hyper	sig	chr6_29793055
chr4	1.33E+08	133147403	+	2.719E-34	2.39871E-32	0.335939	hyper	sig	chr4_133147403
chr10	1.01E+08	101223720	+	2.735E-34	2.41262E-32	0.252616	hyper	sig	chr10_101223720
chr7	1.04E+08	103989121	+	2.736E-34	2.41332E-32	0.237338	hyper	sig	chr7_103989121
chr8	64575751	64575751	+	2.746E-34	2.42202E-32	0.21461	hyper	sig	chr8_64575751
chr19	36331662	36331662	+	2.752E-34	2.42659E-32	0.268759	hyper	sig	chr19_36331662
chr1	2446031	2446031	+	2.754E-34	2.42797E-32	-0.31392	hypo	sig	chr1_2446031
chr9	1.37E+08	137174389	+	2.757E-34	2.43074E-32	-0.26715	hypo	sig	chr9_137174389
chr16	66845904	66845904	+	2.758E-34	2.4311E-32	-0.36409	hypo	sig	chr16_66845904
chr6	50706950	50706950	+	2.771E-34	2.44255E-32	0.317665	hyper	sig	chr6_50706950
chr5	64506544	64506544	+	2.782E-34	2.45179E-32	0.247311	hyper	sig	chr5_64506544
chr19	45472933	45472933	+	2.787E-34	2.45589E-32	0.402421	hyper	sig	chr19_45472933
chr2	54675917	54675917	+	2.794E-34	2.46153E-32	-0.31336	hypo	sig	chr2_54675917
chr2	68319544	68319544	+	2.796E-34	2.4632E-32	0.492528	hyper	sig	chr2_68319544
chr10	22345292	22345292	+	2.805E-34	2.4709E-32	0.263175	hyper	sig	chr10_22345292
chr5	3592529	3592529	+	2.813E-34	2.47716E-32	0.268668	hyper	sig	chr5_3592529
chr5	1.41E+08	141370528	+	2.816E-34	2.48007E-32	0.411114	hyper	sig	chr5_141370528
chr1	1.19E+08	119000713	+	2.832E-34	2.49384E-32	0.251943	hyper	sig	chr1_119000713
chr16	51156189	51156189	+	2.84E-34	2.50016E-32	0.317568	hyper	sig	chr16_51156189
chr19	35449960	35449960	+	2.876E-34	2.53149E-32	-0.33116	hypo	sig	chr19_35449960
chr5	1.41E+08	140882174	+	2.878E-34	2.53358E-32	0.21467	hyper	sig	chr5_140882174
chr5	1931478	1931478	+	2.897E-34	2.54981E-32	0.248939	hyper	sig	chr5_1931478
chr10	1.32E+08	132487295	+	2.9E-34	2.55191E-32	-0.27694	hypo	sig	chr10_132487295
chr1	1.19E+08	119006202	+	2.908E-34	2.55901E-32	0.34344	hyper	sig	chr1_119006202
chr8	98949329	98949329	+	2.909E-34	2.5594E-32	0.282961	hyper	sig	chr8_98949329
chr21	37006157	37006157	+	2.923E-34	2.57135E-32	0.342156	hyper	sig	chr21_37006157
chr19	56671536	56671536	+	2.934E-34	2.58053E-32	0.308348	hyper	sig	chr19_56671536
chr10	50674898	50674898	+	2.946E-34	2.59126E-32	-0.24983	hypo	sig	chr10_50674898
chr12	1.31E+08	131042740	+	2.949E-34	2.59327E-32	-0.23683	hypo	sig	chr12_131042740
chr19	57172465	57172465	+	2.958E-34	2.60118E-32	0.345701	hyper	sig	chr19_57172465
chr13	78607438	78607438	+	2.974E-34	2.61459E-32	0.352125	hyper	sig	chr13_78607438
chr6	10385606	10385606	+	2.977E-34	2.61743E-32	0.304421	hyper	sig	chr6_10385606
chr5	1.71E+08	171316947	+	2.993E-34	2.63091E-32	0.307873	hyper	sig	chr5_171316947
chr7	38975960	38975960	+	3.007E-34	2.64284E-32	0.346857	hyper	sig	chr7_38975960
chr5	1.41E+08	141100409	+	3.01E-34	2.64493E-32	0.333538	hyper	sig	chr5_141100409
chr1	1.11E+08	111271076	+	3.012E-34	2.64648E-32	0.313188	hyper	sig	chr1_111271076
chr10	594032	594032	+	3.015E-34	2.64845E-32	-0.25908	hypo	sig	chr10_594032
chr3	1.47E+08	147423345	+	3.024E-34	2.65675E-32	0.281683	hyper	sig	chr3_147423345
chr1	2E+08	200036364	+	3.032E-34	2.6634E-32	0.409495	hyper	sig	chr1_200036364
chr3	26623836	26623836	+	3.037E-34	2.66764E-32	0.360256	hyper	sig	chr3_26623836
chr6	30172171	30172171	+	3.042E-34	2.67151E-32	0.299391	hyper	sig	chr6_30172171
chr7	2569671	2569671	+	3.051E-34	2.6788E-32	-0.23389	hypo	sig	chr7_2569671
chr3	1.47E+08	147397197	+	3.069E-34	2.6945E-32	0.292639	hyper	sig	chr3_147397197
chr5	1.71E+08	171315338	+	3.075E-34	2.69951E-32	0.232004	hyper	sig	chr5_171315338
chr1	12143664	12143664	+	3.076E-34	2.70036E-32	-0.24821	hypo	sig	chr1_12143664
chr17	79465463	79465463	+	3.089E-34	2.71152E-32	-0.35955	hypo	sig	chr17_79465463
chr10	7411415	7411415	+	3.102E-34	2.72215E-32	0.225493	hyper	sig	chr10_7411415
chr15	28832453	28832453	+	3.123E-34	2.7409E-32	0.287818	hyper	sig	chr15_28832453
chr7	1.32E+08	131538658	+	3.128E-34	2.74496E-32	-0.45734	hypo	sig	chr7_131538658
chr6	1.12E+08	112347318	+	3.144E-34	2.7583E-32	-0.22785	hypo	sig	chr6_112347318

chr8	96493950	96493950	+	3.145E-34	2.75915E-32	0.221655	hyper	sig	chr8_96493950
chr4	1.09E+08	109302273	+	3.163E-34	2.77411E-32	0.327766	hyper	sig	chr4_109302273
chr1	6466093	6466093	+	3.164E-34	2.77468E-32	0.280849	hyper	sig	chr1_6466093
chr8	49910960	49910960	+	3.168E-34	2.77763E-32	0.25242	hyper	sig	chr8_49910960
chr20	63047770	63047770	+	3.171E-34	2.77978E-32	-0.23948	hypo	sig	chr20_63047770
chr10	1.23E+08	123142901	+	3.199E-34	2.80479E-32	0.270968	hyper	sig	chr10_123142901
chr20	62310979	62310979	+	3.205E-34	2.80983E-32	-0.27536	hypo	sig	chr20_62310979
chr19	55038458	55038458	+	3.224E-34	2.82595E-32	-0.26931	hypo	sig	chr19_55038458
chr17	18634765	18634765	+	3.228E-34	2.82916E-32	0.297651	hyper	sig	chr17_18634765
chr5	1.71E+08	171308382	+	3.256E-34	2.85337E-32	0.322445	hyper	sig	chr5_171308382
chr19	49043613	49043613	+	3.26E-34	2.85661E-32	-0.31528	hypo	sig	chr19_49043613
chr1	2.44E+08	243917448	+	3.272E-34	2.86679E-32	0.321874	hyper	sig	chr1_243917448
chr11	1.29E+08	128824259	+	3.275E-34	2.86923E-32	0.333201	hyper	sig	chr11_128824259
chr2	40451530	40451530	+	3.277E-34	2.87049E-32	0.259524	hyper	sig	chr2_40451530
chr22	16602675	16602675	+	3.279E-34	2.87183E-32	0.332354	hyper	sig	chr22_16602675
chr2	1.81E+08	181457074	+	3.281E-34	2.87366E-32	0.234762	hyper	sig	chr2_181457074
chr7	1.55E+08	155373556	+	3.291E-34	2.88119E-32	0.270833	hyper	sig	chr7_155373556
chr5	3592478	3592478	+	3.294E-34	2.88398E-32	0.243649	hyper	sig	chr5_3592478
chr10	1.01E+08	101134234	+	3.301E-34	2.88912E-32	0.306804	hyper	sig	chr10_101134234
chr5	3594086	3594086	+	3.304E-34	2.89193E-32	0.308159	hyper	sig	chr5_3594086
chr4	1.33E+08	133148221	+	3.327E-34	2.91121E-32	0.297483	hyper	sig	chr4_133148221
chr5	1886829	1886829	+	3.327E-34	2.91147E-32	0.278552	hyper	sig	chr5_1886829
chr18	14748199	14748199	+	3.338E-34	2.92049E-32	0.280884	hyper	sig	chr18_14748199
chr6	1.5E+08	149964570	+	3.354E-34	2.93439E-32	0.232922	hyper	sig	chr6_149964570
chr2	1.76E+08	176159566	+	3.359E-34	2.93863E-32	-0.25635	hypo	sig	chr2_176159566
chr7	1.55E+08	155467626	+	3.373E-34	2.95042E-32	0.310679	hyper	sig	chr7_155467626
chr7	79454191	79454191	+	3.389E-34	2.96383E-32	0.221773	hyper	sig	chr7_79454191
chr8	1.43E+08	142777196	+	3.41E-34	2.98135E-32	0.284187	hyper	sig	chr8_142777196
chr11	79438806	79438806	+	3.417E-34	2.98722E-32	0.277401	hyper	sig	chr11_79438806
chr16	54932617	54932617	+	3.418E-34	2.98771E-32	0.275058	hyper	sig	chr16_54932617
chr2	467866	467866	+	3.438E-34	3.00547E-32	0.275884	hyper	sig	chr2_467866
chr5	1883124	1883124	+	3.444E-34	3.01039E-32	0.245655	hyper	sig	chr5_1883124
chr2	2.32E+08	232419671	+	3.463E-34	3.02659E-32	0.28693	hyper	sig	chr2_232419671
chr5	1.59E+08	159097322	+	3.491E-34	3.05018E-32	0.301536	hyper	sig	chr5_159097322
chr1	1.22E+08	121519724	+	3.496E-34	3.05465E-32	0.347027	hyper	sig	chr1_121519724
chr5	1.41E+08	140882115	+	3.505E-34	3.06204E-32	0.283836	hyper	sig	chr5_140882115
chr5	3597207	3597207	+	3.508E-34	3.06471E-32	0.300389	hyper	sig	chr5_3597207
chr16	55656544	55656544	+	3.512E-34	3.0677E-32	0.278538	hyper	sig	chr16_55656544
chr3	1.82E+08	181724237	+	3.526E-34	3.0797E-32	0.287996	hyper	sig	chr3_181724237
chr8	71844412	71844412	+	3.532E-34	3.08447E-32	0.319255	hyper	sig	chr8_71844412
chr7	1.56E+08	155803689	+	3.534E-34	3.08563E-32	0.293382	hyper	sig	chr7_155803689
chr6	27312253	27312253	+	3.542E-34	3.09261E-32	0.218724	hyper	sig	chr6_27312253
chr16	1436559	1436559	+	3.568E-34	3.11488E-32	-0.43809	hypo	sig	chr16_1436559
chr3	1.47E+08	147356231	+	3.583E-34	3.12682E-32	0.249853	hyper	sig	chr3_147356231
chr6	436675	436675	+	3.605E-34	3.14549E-32	-0.24378	hypo	sig	chr6_436675
chr4	664122	664122	+	3.605E-34	3.14557E-32	0.238828	hyper	sig	chr4_664122
chr19	21851645	21851645	+	3.608E-34	3.14813E-32	0.249918	hyper	sig	chr19_21851645
chr12	1.14E+08	113669957	+	3.612E-34	3.15122E-32	0.277611	hyper	sig	chr12_113669957
chr19	9362914	9362914	+	3.63E-34	3.16599E-32	0.312394	hyper	sig	chr19_9362914
chr4	1039067	1039067	+	3.63E-34	3.16599E-32	-0.27746	hypo	sig	chr4_1039067
chr16	71426304	71426304	+	3.642E-34	3.17634E-32	0.264551	hyper	sig	chr16_71426304
chr11	72586807	72586807	+	3.656E-34	3.18784E-32	-0.32128	hypo	sig	chr11_72586807
chr16	2082572	2082572	+	3.657E-34	3.18864E-32	0.215617	hyper	sig	chr16_2082572
chr5	1.73E+08	173245671	+	3.663E-34	3.1933E-32	0.27896	hyper	sig	chr5_173245671
chr3	62370648	62370648	+	3.672E-34	3.20084E-32	0.287355	hyper	sig	chr3_62370648
chr1	2.28E+08	228149016	+	3.683E-34	3.20983E-32	-0.22509	hypo	sig	chr1_228149016

chr4	26061494	26061494	+	3.687E-34	3.21268E-32	-0.30986	hypo	sig	chr4_26061494
chr8	1.16E+08	115648499	+	3.692E-34	3.21681E-32	0.302498	hyper	sig	chr8_115648499
chr11	66421262	66421262	+	3.695E-34	3.21908E-32	0.337754	hyper	sig	chr11_66421262
chr14	60510582	60510582	+	3.705E-34	3.22714E-32	0.308013	hyper	sig	chr14_60510582
chr20	21519419	21519419	+	3.707E-34	3.22897E-32	0.267723	hyper	sig	chr20_21519419
chr1	23949336	23949336	+	3.721E-34	3.24113E-32	-0.29206	hypo	sig	chr1_23949336
chr5	1.41E+08	141431603	+	3.722E-34	3.24127E-32	0.292036	hyper	sig	chr5_141431603
chr1	2.08E+08	207669810	+	3.758E-34	3.2726E-32	0.249994	hyper	sig	chr1_207669810
chr2	1.3E+08	130139580	+	3.763E-34	3.27647E-32	-0.27442	hypo	sig	chr2_130139580
chr20	56925549	56925549	+	3.765E-34	3.27755E-32	0.231727	hyper	sig	chr20_56925549
chr5	481534	481534	+	3.788E-34	3.29726E-32	-0.26838	hypo	sig	chr5_481534
chr4	42152910	42152910	+	3.789E-34	3.29739E-32	0.293158	hyper	sig	chr4_42152910
chr11	64223084	64223084	+	3.79E-34	3.29865E-32	-0.27886	hypo	sig	chr11_64223084
chr17	78577375	78577375	+	3.8E-34	3.30674E-32	-0.27706	hypo	sig	chr17_78577375
chr1	2.08E+08	207669822	+	3.821E-34	3.32423E-32	0.249752	hyper	sig	chr1_207669822
chr5	1.35E+08	135327222	+	3.843E-34	3.34319E-32	0.242386	hyper	sig	chr5_135327222
chr16	81493632	81493632	+	3.845E-34	3.34447E-32	-0.24399	hypo	sig	chr16_81493632
chr4	1.11E+08	110633334	+	3.937E-34	3.42341E-32	0.32126	hyper	sig	chr4_110633334
chr7	561809	561809	+	3.936E-34	3.42341E-32	0.295637	hyper	sig	chr7_561809
chr1	1212917	1212917	+	3.943E-34	3.42789E-32	-0.29515	hypo	sig	chr1_1212917
chr6	32204053	32204053	+	3.943E-34	3.42789E-32	-0.26511	hypo	sig	chr6_32204053
chr6	32047149	32047149	+	3.955E-34	3.43847E-32	-0.30316	hypo	sig	chr6_32047149
chr14	64539211	64539211	+	3.956E-34	3.43886E-32	-0.35249	hypo	sig	chr14_64539211
chr3	1.3E+08	129975313	+	3.959E-34	3.44134E-32	0.330761	hyper	sig	chr3_129975313
chr7	97007358	97007358	+	3.967E-34	3.44796E-32	0.261632	hyper	sig	chr7_97007358
chr6	32070773	32070773	+	3.971E-34	3.45083E-32	-0.32571	hypo	sig	chr6_32070773
chr4	4861629	4861629	+	3.99E-34	3.46724E-32	0.236531	hyper	sig	chr4_4861629
chr10	1.09E+08	108911851	+	4E-34	3.47515E-32	0.245441	hyper	sig	chr10_108911851
chr1	3651153	3651153	+	4.026E-34	3.49749E-32	0.296007	hyper	sig	chr1_3651153
chr16	85485200	85485200	+	4.048E-34	3.51593E-32	-0.25903	hypo	sig	chr16_85485200
chr3	1.85E+08	184583451	+	4.089E-34	3.55055E-32	0.281755	hyper	sig	chr3_184583451
chr16	86495089	86495089	+	4.12E-34	3.57697E-32	0.280712	hyper	sig	chr16_86495089
chr19	33234643	33234643	+	4.149E-34	3.60155E-32	-0.25359	hypo	sig	chr19_33234643
chr3	13637572	13637572	+	4.162E-34	3.61245E-32	-0.21408	hypo	sig	chr3_13637572
chr4	95549825	95549825	+	4.165E-34	3.61467E-32	0.229289	hyper	sig	chr4_95549825
chr11	20160576	20160576	+	4.167E-34	3.61653E-32	0.236963	hyper	sig	chr11_20160576
chr9	3181069	3181069	+	4.17E-34	3.61822E-32	0.264255	hyper	sig	chr9_3181069
chr11	32433202	32433202	+	4.202E-34	3.64553E-32	0.261535	hyper	sig	chr11_32433202
chr16	86579057	86579057	+	4.213E-34	3.65545E-32	0.364433	hyper	sig	chr16_86579057
chr4	1.33E+08	133151591	+	4.235E-34	3.67342E-32	0.332237	hyper	sig	chr4_133151591
chr10	1.33E+08	133365110	+	4.244E-34	3.68111E-32	-0.24695	hypo	sig	chr10_133365110
chr3	1.47E+08	147359723	+	4.265E-34	3.69899E-32	0.304484	hyper	sig	chr3_147359723
chr12	95548150	95548150	+	4.291E-34	3.72088E-32	0.211474	hyper	sig	chr12_95548150
chr13	25372667	25372667	+	4.306E-34	3.734E-32	0.423849	hyper	sig	chr13_25372667
chr14	88326979	88326979	+	4.31E-34	3.73705E-32	0.260924	hyper	sig	chr14_88326979
chr1	3115885	3115885	+	4.328E-34	3.75182E-32	-0.39184	hypo	sig	chr1_3115885
chr15	78802252	78802252	+	4.331E-34	3.75449E-32	-0.35627	hypo	sig	chr15_78802252
chr13	52845476	52845476	+	4.332E-34	3.75477E-32	0.299564	hyper	sig	chr13_52845476
chr7	1.58E+08	157521971	+	4.382E-34	3.79724E-32	0.212348	hyper	sig	chr7_157521971
chr10	1.33E+08	133143323	+	4.402E-34	3.81438E-32	-0.27399	hypo	sig	chr10_133143323
chr15	29118349	29118349	+	4.412E-34	3.82301E-32	0.309687	hyper	sig	chr15_29118349
chr1	3206482	3206482	+	4.467E-34	3.86973E-32	-0.2124	hypo	sig	chr1_3206482
chr7	1.04E+08	103989085	+	4.481E-34	3.88149E-32	0.2527	hyper	sig	chr7_103989085
chr2	70962326	70962326	+	4.491E-34	3.88998E-32	-0.32144	hypo	sig	chr2_70962326
chr20	64023214	64023214	+	4.495E-34	3.89339E-32	0.210302	hyper	sig	chr20_64023214
chr3	62377446	62377446	+	4.5E-34	3.89739E-32	0.302472	hyper	sig	chr3_62377446

chr4	1349094	1349094	+	4.517E-34	3.911E-32	-0.27218	hypo	sig	chr4_1349094
chr14	97219592	97219592	+	4.534E-34	3.92559E-32	0.246319	hyper	sig	chr14_97219592
chr16	67165604	67165604	+	4.541E-34	3.93164E-32	0.286292	hyper	sig	chr16_67165604
chr16	1288329	1288329	+	4.553E-34	3.94142E-32	-0.30126	hypo	sig	chr16_1288329
chr4	1.54E+08	153792186	+	4.569E-34	3.95447E-32	0.278694	hyper	sig	chr4_153792186
chr5	2753724	2753724	+	4.597E-34	3.97842E-32	0.267737	hyper	sig	chr5_2753724
chr2	467909	467909	+	4.606E-34	3.98525E-32	0.303478	hyper	sig	chr2_467909
chr5	1973718	1973718	+	4.61E-34	3.98858E-32	-0.25397	hypo	sig	chr5_1973718
chr19	53308637	53308637	+	4.616E-34	3.99352E-32	0.277963	hyper	sig	chr19_53308637
chr3	3183638	3183638	+	4.637E-34	4.01055E-32	-0.38013	hypo	sig	chr3_3183638
chr15	52788277	52788277	+	4.639E-34	4.01244E-32	0.243006	hyper	sig	chr15_52788277
chr11	86195271	86195271	+	4.668E-34	4.03645E-32	-0.30612	hypo	sig	chr11_86195271
chr1	38134527	38134527	+	4.698E-34	4.06177E-32	0.253542	hyper	sig	chr1_38134527
chr3	1.47E+08	147409875	+	4.707E-34	4.06942E-32	0.259301	hyper	sig	chr3_147409875
chr1	1.19E+08	118989778	+	4.712E-34	4.07362E-32	0.359052	hyper	sig	chr1_118989778
chr10	594118	594118	+	4.787E-34	4.13741E-32	-0.29117	hypo	sig	chr10_594118
chr18	11752218	11752218	+	4.79E-34	4.13994E-32	0.363224	hyper	sig	chr18_11752218
chr1	9694061	9694061	+	4.825E-34	4.16917E-32	-0.34464	hypo	sig	chr1_9694061
chr6	30260392	30260392	+	4.825E-34	4.16917E-32	0.27904	hyper	sig	chr6_30260392
chr13	78607226	78607226	+	4.828E-34	4.17112E-32	0.300104	hyper	sig	chr13_78607226
chr12	1.13E+08	113476071	+	4.857E-34	4.19615E-32	0.309772	hyper	sig	chr12_113476071
chr4	1407638	1407638	+	4.884E-34	4.21849E-32	0.352965	hyper	sig	chr4_1407638
chr8	48870497	48870497	+	4.915E-34	4.24501E-32	0.360529	hyper	sig	chr8_48870497
chr3	1.25E+08	125142032	+	4.916E-34	4.24508E-32	0.29744	hyper	sig	chr3_125142032
chr15	79091510	79091510	+	4.929E-34	4.25619E-32	0.223467	hyper	sig	chr15_79091510
chr17	83014460	83014460	+	4.962E-34	4.2835E-32	-0.25613	hypo	sig	chr17_83014460
chr17	35374311	35374311	+	4.967E-34	4.28734E-32	0.249309	hyper	sig	chr17_35374311
chr4	3689592	3689592	+	4.968E-34	4.2877E-32	-0.27248	hypo	sig	chr4_3689592
chr11	1.04E+08	104163471	+	4.975E-34	4.29401E-32	0.263176	hyper	sig	chr11_104163471
chr2	44932906	44932906	+	4.978E-34	4.29565E-32	0.311588	hyper	sig	chr2_44932906
chr7	49776089	49776089	+	4.987E-34	4.30295E-32	0.238001	hyper	sig	chr7_49776089
chr18	45775550	45775550	+	4.993E-34	4.30752E-32	0.299911	hyper	sig	chr18_45775550
chr7	54542517	54542517	+	4.994E-34	4.30824E-32	0.281226	hyper	sig	chr7_54542517
chr10	1.01E+08	100830413	+	5.01E-34	4.3219E-32	0.268327	hyper	sig	chr10_100830413
chr7	1.59E+08	159112610	+	5.024E-34	4.33289E-32	0.295791	hyper	sig	chr7_159112610
chr1	18632406	18632406	+	5.04E-34	4.34691E-32	0.307376	hyper	sig	chr1_18632406
chr5	1.16E+08	115962035	+	5.094E-34	4.39255E-32	0.297403	hyper	sig	chr5_115962035
chr7	1.56E+08	155961936	+	5.118E-34	4.41325E-32	-0.29311	hypo	sig	chr7_155961936
chr6	30172447	30172447	+	5.119E-34	4.41329E-32	0.310467	hyper	sig	chr6_30172447
chr15	45704410	45704410	+	5.12E-34	4.41401E-32	0.26577	hyper	sig	chr15_45704410
chr13	94705518	94705518	+	5.138E-34	4.42871E-32	0.241858	hyper	sig	chr13_94705518
chr4	13525092	13525092	+	5.153E-34	4.44118E-32	0.266109	hyper	sig	chr4_13525092
chr6	1.18E+08	117920480	+	5.155E-34	4.44203E-32	0.263578	hyper	sig	chr6_117920480
chr11	90134687	90134687	+	5.157E-34	4.44362E-32	0.230024	hyper	sig	chr11_90134687
chr8	1.43E+08	143272955	+	5.16E-34	4.44542E-32	-0.25389	hypo	sig	chr8_143272955
chr12	53952100	53952100	+	5.178E-34	4.46052E-32	0.241561	hyper	sig	chr12_53952100
chr14	1.04E+08	104223802	+	5.182E-34	4.46382E-32	0.251853	hyper	sig	chr14_104223802
chr16	51156304	51156304	+	5.187E-34	4.46735E-32	0.315766	hyper	sig	chr16_51156304
chr17	81461158	81461158	+	5.203E-34	4.48133E-32	-0.29613	hypo	sig	chr17_81461158
chr8	57205235	57205235	+	5.205E-34	4.48223E-32	-0.27279	hypo	sig	chr8_57205235
chr4	4858084	4858084	+	5.214E-34	4.48914E-32	0.299679	hyper	sig	chr4_4858084
chr11	65879176	65879176	+	5.227E-34	4.50059E-32	-0.23526	hypo	sig	chr11_65879176
chr10	86367566	86367566	+	5.247E-34	4.5165E-32	0.245464	hyper	sig	chr10_86367566
chr3	1.43E+08	143121203	+	5.286E-34	4.55023E-32	0.296896	hyper	sig	chr3_143121203
chr9	97853484	97853484	+	5.289E-34	4.55203E-32	0.327102	hyper	sig	chr9_97853484
chr7	1.55E+08	155465662	+	5.295E-34	4.5565E-32	0.281202	hyper	sig	chr7_155465662

chr5	3606473	3606473	+	5.309E-34	4.56826E-32	0.324075	hyper	sig	chr5_3606473
chr10	1.01E+08	100519933	+	5.329E-34	4.58542E-32	0.322532	hyper	sig	chr10_100519933
chr13	52848902	52848902	+	5.356E-34	4.60774E-32	0.385311	hyper	sig	chr13_52848902
chr16	1543207	1543207	+	5.357E-34	4.60774E-32	-0.29052	hypo	sig	chr16_1543207
chr17	42686963	42686963	+	5.366E-34	4.61523E-32	0.275111	hyper	sig	chr17_42686963
chr7	1.56E+08	155922473	+	5.384E-34	4.63039E-32	-0.26651	hypo	sig	chr7_155922473
chr3	1.47E+08	147423449	+	5.386E-34	4.63123E-32	0.250888	hyper	sig	chr3_147423449
chr2	48755588	48755588	+	5.404E-34	4.64649E-32	0.275592	hyper	sig	chr2_48755588
chr5	1.7E+08	169637636	+	5.432E-34	4.66989E-32	0.341752	hyper	sig	chr5_169637636
chr2	1.19E+08	118843051	+	5.447E-34	4.68237E-32	0.200611	hyper	sig	chr2_118843051
chr7	27108585	27108585	+	5.449E-34	4.68382E-32	0.303307	hyper	sig	chr7_27108585
chr16	1255682	1255682	+	5.454E-34	4.6874E-32	-0.23001	hypo	sig	chr16_1255682
chr15	70196788	70196788	+	5.456E-34	4.68848E-32	-0.29399	hypo	sig	chr15_70196788
chr17	27293578	27293578	+	5.457E-34	4.68941E-32	-0.47569	hypo	sig	chr17_27293578
chr2	2.33E+08	233060194	+	5.48E-34	4.70858E-32	-0.31112	hypo	sig	chr2_233060194
chr7	64877564	64877564	+	5.485E-34	4.71235E-32	0.330454	hyper	sig	chr7_64877564
chr17	80904481	80904481	+	5.507E-34	4.7308E-32	-0.25164	hypo	sig	chr17_80904481
chr17	78853052	78853052	+	5.518E-34	4.73922E-32	-0.2622	hypo	sig	chr17_78853052
chr10	22345804	22345804	+	5.525E-34	4.74543E-32	0.337919	hyper	sig	chr10_22345804
chr2	1.72E+08	172080646	+	5.536E-34	4.75442E-32	0.259849	hyper	sig	chr2_172080646
chr2	1.2E+08	120465958	+	5.544E-34	4.76056E-32	-0.35621	hypo	sig	chr2_120465958
chr5	88889573	88889573	+	5.546E-34	4.76127E-32	0.36031	hyper	sig	chr5_88889573
chr10	1.01E+08	101223778	+	5.548E-34	4.76282E-32	0.298219	hyper	sig	chr10_101223778
chr15	88255473	88255473	+	5.588E-34	4.79693E-32	0.301668	hyper	sig	chr15_88255473
chr1	3141635	3141635	+	5.6E-34	4.80639E-32	-0.28072	hypo	sig	chr1_3141635
chr8	64578735	64578735	+	5.637E-34	4.83731E-32	0.322198	hyper	sig	chr8_64578735
chr16	88133299	88133299	+	5.643E-34	4.84179E-32	-0.25632	hypo	sig	chr16_88133299
chr1	2378906	2378906	+	5.656E-34	4.85245E-32	-0.257	hypo	sig	chr1_2378906
chr5	1.41E+08	141393547	+	5.726E-34	4.91227E-32	0.254666	hyper	sig	chr5_141393547
chr1	1.77E+08	177171530	+	5.741E-34	4.92419E-32	0.323546	hyper	sig	chr1_177171530
chr19	1161787	1161787	+	5.757E-34	4.93745E-32	-0.29951	hypo	sig	chr19_1161787
chr3	1.85E+08	184583423	+	5.768E-34	4.94654E-32	0.309022	hyper	sig	chr3_184583423
chr7	44143833	44143833	+	5.775E-34	4.95123E-32	-0.27456	hypo	sig	chr7_44143833
chr19	40224555	40224555	+	5.804E-34	4.97567E-32	-0.37759	hypo	sig	chr19_40224555
chr7	97013410	97013410	+	5.829E-34	4.99626E-32	0.274101	hyper	sig	chr7_97013410
chr11	1339010	1339010	+	5.835E-34	5.00121E-32	-0.25529	hypo	sig	chr11_1339010
chr7	8443670	8443670	+	5.86E-34	5.02202E-32	0.310446	hyper	sig	chr7_8443670
chr6	50849772	50849772	+	5.871E-34	5.03099E-32	0.213997	hyper	sig	chr6_50849772
chr11	2162275	2162275	+	5.875E-34	5.03347E-32	-0.38261	hypo	sig	chr11_2162275
chr2	1837271	1837271	+	5.951E-34	5.09812E-32	-0.28392	hypo	sig	chr2_1837271
chr11	1.32E+08	131910605	+	6.004E-34	5.14282E-32	0.281657	hyper	sig	chr11_131910605
chr13	52848298	52848298	+	6.011E-34	5.14854E-32	0.253803	hyper	sig	chr13_52848298
chr1	75133960	75133960	+	6.021E-34	5.15677E-32	0.251286	hyper	sig	chr1_75133960
chr16	86580035	86580035	+	6.042E-34	5.17402E-32	0.249757	hyper	sig	chr16_86580035
chr1	1.77E+08	177171186	+	6.056E-34	5.1857E-32	0.215354	hyper	sig	chr1_177171186
chr3	1.47E+08	147394351	+	6.061E-34	5.18877E-32	0.280952	hyper	sig	chr3_147394351
chr12	95549170	95549170	+	6.066E-34	5.19304E-32	0.221271	hyper	sig	chr12_95549170
chr1	1.21E+08	121118290	+	6.074E-34	5.19862E-32	0.29595	hyper	sig	chr1_121118290
chr19	57614614	57614614	+	6.078E-34	5.20193E-32	0.343203	hyper	sig	chr19_57614614
chr13	1.13E+08	113141747	+	6.092E-34	5.21346E-32	-0.29433	hypo	sig	chr13_113141747
chr16	85624687	85624687	+	6.103E-34	5.22219E-32	-0.27706	hypo	sig	chr16_85624687
chr12	54031388	54031388	+	6.134E-34	5.24839E-32	0.28954	hyper	sig	chr12_54031388
chr6	1.01E+08	101393268	+	6.146E-34	5.25817E-32	0.301261	hyper	sig	chr6_101393268
chr2	20670477	20670477	+	6.147E-34	5.25855E-32	0.274772	hyper	sig	chr2_20670477
chr21	36705297	36705297	+	6.154E-34	5.2634E-32	0.345642	hyper	sig	chr21_36705297
chr11	69382587	69382587	+	6.189E-34	5.29294E-32	-0.27329	hypo	sig	chr11_69382587

chr17	82876362	82876362	+	6.225E-34	5.32324E-32	-0.28698	hypo	sig	chr17_82876362
chr16	86513940	86513940	+	6.233E-34	5.32949E-32	0.358361	hyper	sig	chr16_86513940
chr4	1.72E+08	171813325	+	6.252E-34	5.34529E-32	0.371352	hyper	sig	chr4_171813325
chr11	32433879	32433879	+	6.276E-34	5.3654E-32	0.299358	hyper	sig	chr11_32433879
chr5	3602297	3602297	+	6.277E-34	5.3654E-32	0.324913	hyper	sig	chr5_3602297
chr6	28814505	28814505	+	6.278E-34	5.36613E-32	0.336546	hyper	sig	chr6_28814505
chr4	1.13E+08	112520547	+	6.327E-34	5.407E-32	0.246312	hyper	sig	chr4_112520547
chr19	53521531	53521531	+	6.347E-34	5.42396E-32	0.24159	hyper	sig	chr19_53521531
chr5	1878515	1878515	+	6.355E-34	5.42981E-32	0.286324	hyper	sig	chr5_1878515
chr11	20669309	20669309	+	6.364E-34	5.43663E-32	0.371763	hyper	sig	chr11_20669309
chr21	36705318	36705318	+	6.385E-34	5.45463E-32	0.332491	hyper	sig	chr21_36705318
chr10	1737823	1737823	+	6.403E-34	5.46939E-32	0.202341	hyper	sig	chr10_1737823
chr8	64587369	64587369	+	6.408E-34	5.4729E-32	0.299379	hyper	sig	chr8_64587369
chr4	3675819	3675819	+	6.443E-34	5.50188E-32	-0.22307	hypo	sig	chr4_3675819
chr16	88316118	88316118	+	6.519E-34	5.56662E-32	-0.23733	hypo	sig	chr16_88316118
chr5	980674	980674	+	6.55E-34	5.59263E-32	-0.27976	hypo	sig	chr5_980674
chr3	10993328	10993328	+	6.571E-34	5.60999E-32	0.271052	hyper	sig	chr3_10993328
chr1	20553085	20553085	+	6.573E-34	5.61111E-32	0.332261	hyper	sig	chr1_20553085
chr13	78596999	78596999	+	6.604E-34	5.63641E-32	0.25254	hyper	sig	chr13_78596999
chr8	1.42E+08	142126148	+	6.616E-34	5.646E-32	-0.30011	hypo	sig	chr8_142126148
chr15	25727294	25727294	+	6.681E-34	5.69997E-32	-0.24521	hypo	sig	chr15_25727294
chr12	1.14E+08	114440773	+	6.718E-34	5.73052E-32	0.294236	hyper	sig	chr12_114440773
chr21	33025957	33025957	+	6.718E-34	5.73052E-32	0.335732	hyper	sig	chr21_33025957
chr3	1.47E+08	147407500	+	6.772E-34	5.77543E-32	0.325573	hyper	sig	chr3_147407500
chr7	1.51E+08	151380342	+	6.833E-34	5.82646E-32	-0.29904	hypo	sig	chr7_151380342
chr11	32439110	32439110	+	6.837E-34	5.82896E-32	0.252686	hyper	sig	chr11_32439110
chr7	39410597	39410597	+	6.84E-34	5.83142E-32	-0.35944	hypo	sig	chr7_39410597
chr1	47436049	47436049	+	6.879E-34	5.86364E-32	0.31011	hyper	sig	chr1_47436049
chr3	1.47E+08	147423827	+	6.882E-34	5.86578E-32	0.265708	hyper	sig	chr3_147423827
chr13	98444257	98444257	+	6.899E-34	5.8799E-32	-0.238	hypo	sig	chr13_98444257
chr3	51861676	51861676	+	6.903E-34	5.88252E-32	-0.32724	hypo	sig	chr3_51861676
chr19	23070601	23070601	+	6.917E-34	5.89425E-32	0.316665	hyper	sig	chr19_23070601
chr9	1.37E+08	136512038	+	6.925E-34	5.89969E-32	0.221002	hyper	sig	chr9_136512038
chr5	1.77E+08	177116900	+	6.979E-34	5.94523E-32	0.268593	hyper	sig	chr5_177116900
chr14	28778343	28778343	+	6.991E-34	5.95454E-32	0.324606	hyper	sig	chr14_28778343
chr5	3602238	3602238	+	6.991E-34	5.95454E-32	0.318472	hyper	sig	chr5_3602238
chr6	10887335	10887335	+	6.995E-34	5.95713E-32	0.266905	hyper	sig	chr6_10887335
chr16	72961371	72961371	+	7.016E-34	5.97392E-32	-0.38545	hypo	sig	chr16_72961371
chr2	1.28E+08	127681373	+	7.016E-34	5.97392E-32	-0.32086	hypo	sig	chr2_127681373
chr2	1.19E+08	118845261	+	7.05E-34	6.00195E-32	0.208942	hyper	sig	chr2_118845261
chr10	16520609	16520609	+	7.073E-34	6.0206E-32	0.210835	hyper	sig	chr10_16520609
chr7	92608792	92608792	+	7.073E-34	6.0206E-32	-0.30193	hypo	sig	chr7_92608792
chr2	1.13E+08	113275924	+	7.079E-34	6.02489E-32	0.282325	hyper	sig	chr2_113275924
chr2	2.42E+08	241852867	+	7.082E-34	6.02664E-32	-0.26417	hypo	sig	chr2_241852867
chr20	33081597	33081597	+	7.128E-34	6.06433E-32	-0.2894	hypo	sig	chr20_33081597
chr11	1.06E+08	105610556	+	7.184E-34	6.11173E-32	0.27967	hyper	sig	chr11_105610556
chr5	1.11E+08	111070877	+	7.195E-34	6.12082E-32	0.318656	hyper	sig	chr5_111070877
chr12	1.32E+08	132407671	+	7.197E-34	6.12174E-32	-0.3469	hypo	sig	chr12_132407671
chr5	1.41E+08	141431351	+	7.211E-34	6.13274E-32	0.285993	hyper	sig	chr5_141431351
chr22	48334561	48334561	+	7.223E-34	6.14204E-32	-0.29147	hypo	sig	chr22_48334561
chr14	85529932	85529932	+	7.244E-34	6.15963E-32	0.288886	hyper	sig	chr14_85529932
chr6	1.01E+08	101399013	+	7.267E-34	6.1781E-32	0.250441	hyper	sig	chr6_101399013
chr15	28832491	28832491	+	7.296E-34	6.20182E-32	0.294679	hyper	sig	chr15_28832491
chr8	1.43E+08	142777135	+	7.309E-34	6.21238E-32	0.268052	hyper	sig	chr8_142777135
chr13	36130839	36130839	+	7.321E-34	6.22195E-32	0.271289	hyper	sig	chr13_36130839
chr8	54457883	54457883	+	7.332E-34	6.23062E-32	0.357522	hyper	sig	chr8_54457883

chr3	5095890	5095890	+	7.361E-34	6.25423E-32	0.307565	hyper	sig	chr3_5095890
chr13	87674380	87674380	+	7.416E-34	6.3001E-32	0.231789	hyper	sig	chr13_87674380
chr10	1.01E+08	101134219	+	7.431E-34	6.31225E-32	0.308182	hyper	sig	chr10_101134219
chr2	1.13E+08	113275966	+	7.442E-34	6.32058E-32	0.286869	hyper	sig	chr2_113275966
chr2	1.31E+08	131040121	+	7.463E-34	6.33768E-32	0.278604	hyper	sig	chr2_131040121
chr11	1.29E+08	128694293	+	7.565E-34	6.42347E-32	0.407276	hyper	sig	chr11_128694293
chr3	27729528	27729528	+	7.578E-34	6.43404E-32	0.23759	hyper	sig	chr3_27729528
chr2	1.19E+08	118833582	+	7.633E-34	6.48018E-32	0.209244	hyper	sig	chr2_118833582
chr11	20596676	20596676	+	7.663E-34	6.50464E-32	0.271932	hyper	sig	chr11_20596676
chr1	2923675	2923675	+	7.68E-34	6.51865E-32	-0.25642	hypo	sig	chr1_2923675
chr3	1.47E+08	147397292	+	7.715E-34	6.54736E-32	0.264002	hyper	sig	chr3_147397292
chr3	1.25E+08	125357596	+	7.723E-34	6.55421E-32	0.329123	hyper	sig	chr3_125357596
chr2	46478850	46478850	+	7.728E-34	6.55709E-32	-0.31945	hypo	sig	chr2_46478850
chr11	69449849	69449849	+	7.759E-34	6.58281E-32	-0.22536	hypo	sig	chr11_69449849
chr7	35255496	35255496	+	7.765E-34	6.58781E-32	0.369114	hyper	sig	chr7_35255496
chr7	5608459	5608459	+	7.782E-34	6.60071E-32	-0.35152	hypo	sig	chr7_5608459
chr16	85082738	85082738	+	7.79E-34	6.60752E-32	0.306229	hyper	sig	chr16_85082738
chr2	44932865	44932865	+	7.794E-34	6.61023E-32	0.313655	hyper	sig	chr2_44932865
chr11	22193835	22193835	+	7.83E-34	6.63977E-32	0.240348	hyper	sig	chr11_22193835
chr19	33684561	33684561	+	7.831E-34	6.63977E-32	0.23199	hyper	sig	chr19_33684561
chr7	1.58E+08	158450990	+	7.842E-34	6.64879E-32	-0.30239	hypo	sig	chr7_158450990
chr19	19534855	19534855	+	7.851E-34	6.6554E-32	-0.30936	hypo	sig	chr19_19534855
chr2	1.76E+08	176124858	+	7.855E-34	6.65808E-32	-0.24121	hypo	sig	chr2_176124858
chr5	1.39E+08	139393594	+	7.93E-34	6.72034E-32	0.29364	hyper	sig	chr5_139393594
chr7	49776041	49776041	+	7.939E-34	6.72714E-32	0.256209	hyper	sig	chr7_49776041
chr16	1038472	1038472	+	7.944E-34	6.73047E-32	-0.28581	hypo	sig	chr16_1038472
chr1	6466078	6466078	+	7.95E-34	6.73537E-32	0.271157	hyper	sig	chr1_6466078
chr14	62117914	62117914	+	7.969E-34	6.75061E-32	0.264137	hyper	sig	chr14_62117914
chr10	1.18E+08	117734983	+	8.006E-34	6.78092E-32	0.263075	hyper	sig	chr10_117734983
chr16	88316104	88316104	+	8.006E-34	6.78092E-32	-0.23997	hypo	sig	chr16_88316104
chr16	51153880	51153880	+	8.047E-34	6.81489E-32	0.264882	hyper	sig	chr16_51153880
chr3	1.43E+08	143121306	+	8.098E-34	6.85739E-32	0.305863	hyper	sig	chr3_143121306
chr11	8169043	8169043	+	8.12E-34	6.87502E-32	0.247416	hyper	sig	chr11_8169043
chr12	75208026	75208026	+	8.207E-34	6.94778E-32	0.326969	hyper	sig	chr12_75208026
chr5	1973712	1973712	+	8.223E-34	6.96073E-32	-0.25074	hypo	sig	chr5_1973712
chr13	52848310	52848310	+	8.225E-34	6.96131E-32	0.252972	hyper	sig	chr13_52848310
chr15	28832133	28832133	+	8.235E-34	6.96966E-32	0.31252	hyper	sig	chr15_28832133
chr2	1.37E+08	136766094	+	8.27E-34	6.99834E-32	0.29828	hyper	sig	chr2_136766094
chr6	62285953	62285953	+	8.277E-34	7.00346E-32	0.408765	hyper	sig	chr6_62285953
chr5	1.41E+08	140869552	+	8.284E-34	7.00834E-32	0.271533	hyper	sig	chr5_140869552
chr4	6322942	6322942	+	8.305E-34	7.02607E-32	-0.32634	hypo	sig	chr4_6322942
chr14	36514315	36514315	+	8.349E-34	7.06171E-32	0.201891	hyper	sig	chr14_36514315
chr13	83881969	83881969	+	8.357E-34	7.06717E-32	0.323669	hyper	sig	chr13_83881969
chr14	47676371	47676371	+	8.371E-34	7.07875E-32	0.343245	hyper	sig	chr14_47676371
chr2	1.15E+08	115163108	+	8.379E-34	7.08482E-32	0.320309	hyper	sig	chr2_115163108
chr19	49133361	49133361	+	8.402E-34	7.10327E-32	0.342176	hyper	sig	chr19_49133361
chr13	25171628	25171628	+	8.407E-34	7.10655E-32	0.258612	hyper	sig	chr13_25171628
chr10	55630115	55630115	+	8.418E-34	7.11532E-32	0.311951	hyper	sig	chr10_55630115
chr17	77373575	77373575	+	8.451E-34	7.14161E-32	0.385523	hyper	sig	chr17_77373575
chr16	56190973	56190973	+	8.479E-34	7.16437E-32	0.269061	hyper	sig	chr16_56190973
chr9	3181061	3181061	+	8.485E-34	7.16926E-32	0.241129	hyper	sig	chr9_3181061
chr20	51004025	51004025	+	8.492E-34	7.17445E-32	-0.29006	hypo	sig	chr20_51004025
chr17	76000162	76000162	+	8.501E-34	7.18075E-32	-0.2849	hypo	sig	chr17_76000162
chr11	40293769	40293769	+	8.506E-34	7.18477E-32	0.27504	hyper	sig	chr11_40293769
chr10	42475748	42475748	+	8.518E-34	7.19394E-32	0.290675	hyper	sig	chr10_42475748
chr8	73185551	73185551	+	8.52E-34	7.19508E-32	-0.33556	hypo	sig	chr8_73185551

chr15	89408804	89408804	+	8.559E-34	7.22662E-32	0.257045	hyper	sig	chr15_89408804
chr19	49133090	49133090	+	8.594E-34	7.25603E-32	0.394236	hyper	sig	chr19_49133090
chr12	1.13E+08	113476076	+	8.599E-34	7.25927E-32	0.306767	hyper	sig	chr12_113476076
chr16	10183409	10183409	+	8.604E-34	7.26266E-32	0.202014	hyper	sig	chr16_10183409
chr12	54090506	54090506	+	8.67E-34	7.31764E-32	0.247982	hyper	sig	chr12_54090506
chr3	1.7E+08	169822257	+	8.866E-34	7.48189E-32	-0.52021	hypo	sig	chr3_169822257
chr7	1.58E+08	157851468	+	8.875E-34	7.48926E-32	-0.28019	hypo	sig	chr7_157851468
chr16	86337769	86337769	+	8.891E-34	7.50217E-32	-0.25676	hypo	sig	chr16_86337769
chr10	99528082	99528082	+	8.899E-34	7.5077E-32	0.283923	hyper	sig	chr10_99528082
chr3	27728759	27728759	+	8.923E-34	7.52764E-32	0.348906	hyper	sig	chr3_27728759
chr2	1686014	1686014	+	8.961E-34	7.5585E-32	-0.31615	hypo	sig	chr2_1686014
chr11	20669229	20669229	+	8.969E-34	7.56455E-32	0.340283	hyper	sig	chr11_20669229
chr2	2.06E+08	205686640	+	9.002E-34	7.59135E-32	0.35406	hyper	sig	chr2_205686640
chr4	30721701	30721701	+	9.033E-34	7.6169E-32	0.296089	hyper	sig	chr4_30721701
chr19	57888727	57888727	+	9.056E-34	7.63573E-32	0.264996	hyper	sig	chr19_57888727
chr2	2.42E+08	241855736	+	9.101E-34	7.67237E-32	-0.25966	hypo	sig	chr2_241855736
chr5	33936656	33936656	+	9.132E-34	7.69761E-32	0.316538	hyper	sig	chr5_33936656
chr7	1602161	1602161	+	9.138E-34	7.70194E-32	-0.26011	hypo	sig	chr7_1602161
chr16	88939612	88939612	+	9.148E-34	7.70945E-32	-0.26523	hypo	sig	chr16_88939612
chr1	2.08E+08	207645254	+	9.152E-34	7.71206E-32	0.3942	hyper	sig	chr1_207645254
chr1	75128187	75128187	+	9.153E-34	7.71266E-32	0.232885	hyper	sig	chr1_75128187
chr2	1.24E+08	124025643	+	9.168E-34	7.72422E-32	0.376654	hyper	sig	chr2_124025643
chr7	1.04E+08	103989110	+	9.169E-34	7.72422E-32	0.255064	hyper	sig	chr7_103989110
chr20	5315638	5315638	+	9.205E-34	7.75392E-32	0.274337	hyper	sig	chr20_5315638
chr19	36331742	36331742	+	9.212E-34	7.75863E-32	0.29461	hyper	sig	chr19_36331742
chr5	1882905	1882905	+	9.219E-34	7.76365E-32	0.310203	hyper	sig	chr5_1882905
chr4	1.54E+08	153789644	+	9.227E-34	7.77008E-32	0.291394	hyper	sig	chr4_153789644
chr11	22433067	22433067	+	9.289E-34	7.8216E-32	0.333442	hyper	sig	chr11_22433067
chr7	27101423	27101423	+	9.416E-34	7.92753E-32	0.272307	hyper	sig	chr7_27101423
chr12	1.1E+08	109554974	+	9.512E-34	8.0073E-32	-0.34895	hypo	sig	chr12_109554974
chr4	1405447	1405447	+	9.529E-34	8.02041E-32	0.358603	hyper	sig	chr4_1405447
chr5	45695759	45695759	+	9.529E-34	8.02041E-32	0.292814	hyper	sig	chr5_45695759
chr2	74499781	74499781	+	9.588E-34	8.06861E-32	0.310282	hyper	sig	chr2_74499781
chr19	52453605	52453605	+	9.647E-34	8.11748E-32	0.297156	hyper	sig	chr19_52453605
chr8	48735175	48735175	+	9.656E-34	8.12426E-32	0.27817	hyper	sig	chr8_48735175
chr14	60511557	60511557	+	9.668E-34	8.13365E-32	0.291407	hyper	sig	chr14_60511557
chr12	85273591	85273591	+	9.72E-34	8.17696E-32	0.289135	hyper	sig	chr12_85273591
chr10	1.19E+08	118595169	+	9.756E-34	8.20589E-32	0.309996	hyper	sig	chr10_118595169
chr17	48726986	48726986	+	9.784E-34	8.22844E-32	0.263163	hyper	sig	chr17_48726986
chr10	1.28E+08	127737744	+	9.816E-34	8.2551E-32	0.311259	hyper	sig	chr10_127737744
chr18	25349299	25349299	+	9.858E-34	8.28948E-32	0.237929	hyper	sig	chr18_25349299
chr10	1.33E+08	132851676	+	9.867E-34	8.29623E-32	-0.35693	hypo	sig	chr10_132851676
chr8	750290	750290	+	9.877E-34	8.30326E-32	-0.24485	hypo	sig	chr8_750290
chr16	51153787	51153787	+	9.977E-34	8.38605E-32	0.339348	hyper	sig	chr16_51153787
chr1	1.19E+08	119000447	+	1E-33	8.40713E-32	0.313435	hyper	sig	chr1_119000447
chr15	88255465	88255465	+	1.005E-33	8.44463E-32	0.278736	hyper	sig	chr15_88255465
chr2	1.82E+08	181684393	+	1.012E-33	8.50498E-32	0.248023	hyper	sig	chr2_181684393
chr1	1.81E+08	181483040	+	1.013E-33	8.51142E-32	0.267585	hyper	sig	chr1_181483040
chr11	1.34E+08	133935168	+	1.015E-33	8.52219E-32	-0.21681	hypo	sig	chr11_133935168
chr4	1.76E+08	176066053	+	1.015E-33	8.52219E-32	0.205909	hyper	sig	chr4_176066053
chr12	53960806	53960806	+	1.018E-33	8.54865E-32	0.258166	hyper	sig	chr12_53960806
chr20	21396320	21396320	+	1.018E-33	8.54956E-32	0.269716	hyper	sig	chr20_21396320
chr13	1.12E+08	112056496	+	1.022E-33	8.57823E-32	0.375709	hyper	sig	chr13_112056496
chr4	1.47E+08	146638468	+	1.023E-33	8.58445E-32	0.327121	hyper	sig	chr4_146638468
chr3	1.47E+08	147413308	+	1.027E-33	8.61963E-32	0.307512	hyper	sig	chr3_147413308
chr4	1.11E+08	110633870	+	1.033E-33	8.6702E-32	0.33376	hyper	sig	chr4_110633870

chr11	32428275	32428275	+	1.034E-33	8.67281E-32	0.295613	hyper	sig	chr11_32428275
chr12	1.33E+08	132904984	+	1.036E-33	8.6941E-32	0.315997	hyper	sig	chr12_132904984
chr11	8168962	8168962	+	1.038E-33	8.71019E-32	0.276982	hyper	sig	chr11_8168962
chr11	32427653	32427653	+	1.04E-33	8.72123E-32	0.282151	hyper	sig	chr11_32427653
chr19	21835949	21835949	+	1.045E-33	8.76048E-32	0.200688	hyper	sig	chr19_21835949
chr5	1.73E+08	173245786	+	1.049E-33	8.7966E-32	0.222002	hyper	sig	chr5_173245786
chr1	47434958	47434958	+	1.05E-33	8.80013E-32	0.390534	hyper	sig	chr1_47434958
chr4	1405439	1405439	+	1.054E-33	8.83651E-32	0.354436	hyper	sig	chr4_1405439
chr9	1.37E+08	137130377	+	1.056E-33	8.84804E-32	0.276497	hyper	sig	chr9_137130377
chr3	1.33E+08	133398576	+	1.056E-33	8.85226E-32	-0.28968	hypo	sig	chr3_133398576
chr8	1.43E+08	142777211	+	1.057E-33	8.86124E-32	0.295447	hyper	sig	chr8_142777211
chr7	1169907	1169907	+	1.063E-33	8.91129E-32	0.269523	hyper	sig	chr7_1169907
chr3	1.7E+08	169822509	+	1.066E-33	8.93514E-32	-0.34946	hypo	sig	chr3_169822509
chr13	21668891	21668891	+	1.069E-33	8.95859E-32	0.341542	hyper	sig	chr13_21668891
chr2	1.19E+08	118835866	+	1.073E-33	8.9925E-32	0.297721	hyper	sig	chr2_118835866
chr12	1.13E+08	113476082	+	1.074E-33	8.99289E-32	0.304456	hyper	sig	chr12_113476082
chr19	53308699	53308699	+	1.074E-33	8.9995E-32	0.29398	hyper	sig	chr19_53308699
chr4	1.25E+08	125316831	+	1.076E-33	9.01056E-32	0.267702	hyper	sig	chr4_125316831
chr8	1.43E+08	142770667	+	1.083E-33	9.07239E-32	-0.33618	hypo	sig	chr8_142770667
chr1	50416264	50416264	+	1.092E-33	9.14047E-32	0.28554	hyper	sig	chr1_50416264
chr17	64779188	64779188	+	1.096E-33	9.17591E-32	0.328769	hyper	sig	chr17_64779188
chr2	5981819	5981819	+	1.097E-33	9.1859E-32	0.348083	hyper	sig	chr2_5981819
chr14	36663441	36663441	+	1.103E-33	9.23313E-32	0.212462	hyper	sig	chr14_36663441
chr5	1876260	1876260	+	1.107E-33	9.26143E-32	0.261317	hyper	sig	chr5_1876260
chr7	561633	561633	+	1.108E-33	9.27211E-32	0.257654	hyper	sig	chr7_561633
chr13	37869580	37869580	+	1.109E-33	9.27686E-32	0.290715	hyper	sig	chr13_37869580
chr10	1.01E+08	101236493	+	1.117E-33	9.34453E-32	0.215838	hyper	sig	chr10_101236493
chr12	1.15E+08	114696569	+	1.117E-33	9.34882E-32	0.238464	hyper	sig	chr12_114696569
chr2	1.45E+08	144517360	+	1.121E-33	9.37543E-32	0.204225	hyper	sig	chr2_144517360
chr4	1.74E+08	173528922	+	1.122E-33	9.38542E-32	0.306703	hyper	sig	chr4_173528922
chr7	1.59E+08	159022814	+	1.125E-33	9.40887E-32	-0.33394	hypo	sig	chr7_159022814
chr1	53738693	53738693	+	1.131E-33	9.46019E-32	0.208759	hyper	sig	chr1_53738693
chr10	55628675	55628675	+	1.133E-33	9.4732E-32	0.231355	hyper	sig	chr10_55628675
chr10	1.33E+08	132920190	+	1.149E-33	9.60605E-32	-0.32844	hypo	sig	chr10_132920190
chr9	1.28E+08	127752840	+	1.152E-33	9.63312E-32	-0.33661	hypo	sig	chr9_127752840
chr2	1.19E+08	118856913	+	1.161E-33	9.7077E-32	0.264278	hyper	sig	chr2_118856913
chr7	2733464	2733464	+	1.166E-33	9.74872E-32	-0.22936	hypo	sig	chr7_2733464
chr13	77919401	77919401	+	1.169E-33	9.77038E-32	0.2407	hyper	sig	chr13_77919401
chr17	81858683	81858683	+	1.175E-33	9.81698E-32	-0.25818	hypo	sig	chr17_81858683
chr20	56925470	56925470	+	1.182E-33	9.87948E-32	0.252218	hyper	sig	chr20_56925470
chr2	11105406	11105406	+	1.183E-33	9.88619E-32	-0.27832	hypo	sig	chr2_11105406
chr14	26598914	26598914	+	1.185E-33	9.8996E-32	0.297088	hyper	sig	chr14_26598914
chr16	86516332	86516332	+	1.195E-33	9.98118E-32	0.227059	hyper	sig	chr16_86516332
chr11	1.29E+08	128694306	+	1.2E-33	1.00214E-31	0.414761	hyper	sig	chr11_128694306
chr5	1.35E+08	135327129	+	1.205E-33	1.00588E-31	0.248157	hyper	sig	chr5_135327129
chr5	1444710	1444710	+	1.205E-33	1.00633E-31	0.286526	hyper	sig	chr5_1444710
chr5	95503	95503	+	1.206E-33	1.00705E-31	-0.33199	hypo	sig	chr5_95503
chr1	39671508	39671508	+	1.208E-33	1.00845E-31	0.249288	hyper	sig	chr1_39671508
chr5	1931273	1931273	+	1.208E-33	1.00859E-31	0.220071	hyper	sig	chr5_1931273
chr19	37551291	37551291	+	1.215E-33	1.01439E-31	0.336226	hyper	sig	chr19_37551291
chr10	1.28E+08	127737666	+	1.224E-33	1.0219E-31	0.262655	hyper	sig	chr10_127737666
chr14	37585540	37585540	+	1.226E-33	1.02345E-31	0.240911	hyper	sig	chr14_37585540
chr4	3872133	3872133	+	1.232E-33	1.0278E-31	0.210787	hyper	sig	chr4_3872133
chr14	74218139	74218139	+	1.235E-33	1.03069E-31	-0.3594	hypo	sig	chr14_74218139
chr7	1.46E+08	146116841	+	1.24E-33	1.03482E-31	0.211027	hyper	sig	chr7_146116841
chr5	77639240	77639240	+	1.241E-33	1.03527E-31	0.30494	hyper	sig	chr5_77639240

chr3	1.47E+08	147409889	+	1.243E-33	1.037E-31	0.26561	hyper	sig	chr3_147409889
chr11	20160587	20160587	+	1.244E-33	1.03733E-31	0.263092	hyper	sig	chr11_20160587
chr11	22432589	22432589	+	1.245E-33	1.038E-31	0.286433	hyper	sig	chr11_22432589
chr6	29792728	29792728	+	1.248E-33	1.04025E-31	0.296243	hyper	sig	chr6_29792728
chr2	53860047	53860047	+	1.248E-33	1.04045E-31	0.400668	hyper	sig	chr2_53860047
chr6	1.18E+08	117920349	+	1.25E-33	1.04166E-31	0.242461	hyper	sig	chr6_117920349
chr8	9905286	9905286	+	1.256E-33	1.04669E-31	0.272577	hyper	sig	chr8_9905286
chr1	1.19E+08	118989052	+	1.259E-33	1.04918E-31	0.320451	hyper	sig	chr1_118989052
chr5	3591558	3591558	+	1.27E-33	1.0585E-31	0.315334	hyper	sig	chr5_3591558
chr11	32427913	32427913	+	1.274E-33	1.06196E-31	0.337317	hyper	sig	chr11_32427913
chr12	1.13E+08	113463847	+	1.281E-33	1.06756E-31	0.340129	hyper	sig	chr12_113463847
chr3	1.82E+08	181703915	+	1.283E-33	1.06901E-31	0.255562	hyper	sig	chr3_181703915
chr2	61144923	61144923	+	1.295E-33	1.07916E-31	0.287119	hyper	sig	chr2_61144923
chr3	1.47E+08	147380781	+	1.296E-33	1.07941E-31	0.270124	hyper	sig	chr3_147380781
chr2	1.19E+08	118835029	+	1.301E-33	1.08339E-31	0.209692	hyper	sig	chr2_118835029
chr7	24285397	24285397	+	1.301E-33	1.08358E-31	0.313255	hyper	sig	chr7_24285397
chr2	1.85E+08	184597645	+	1.308E-33	1.08903E-31	0.201486	hyper	sig	chr2_184597645
chr2	2.22E+08	222304802	+	1.311E-33	1.09128E-31	0.294047	hyper	sig	chr2_222304802
chr4	1.64E+08	164383321	+	1.316E-33	1.09591E-31	0.274959	hyper	sig	chr4_164383321
chr12	1.28E+08	128366085	+	1.318E-33	1.09686E-31	0.244009	hyper	sig	chr12_128366085
chr6	1.59E+08	158649962	+	1.321E-33	1.09911E-31	-0.27166	hypo	sig	chr6_158649962
chr12	1.3E+08	130042458	+	1.321E-33	1.09918E-31	0.267117	hyper	sig	chr12_130042458
chr7	2567196	2567196	+	1.324E-33	1.10144E-31	0.302803	hyper	sig	chr7_2567196
chr5	1.79E+08	179023594	+	1.325E-33	1.10216E-31	0.223019	hyper	sig	chr5_179023594
chr19	23070599	23070599	+	1.327E-33	1.10394E-31	0.307983	hyper	sig	chr19_23070599
chr3	1.3E+08	129975350	+	1.333E-33	1.10904E-31	0.376015	hyper	sig	chr3_129975350
chr15	79090253	79090253	+	1.334E-33	1.10937E-31	0.293523	hyper	sig	chr15_79090253
chr14	56795447	56795447	+	1.335E-33	1.11073E-31	0.287414	hyper	sig	chr14_56795447
chr6	98842803	98842803	+	1.337E-33	1.11185E-31	0.30909	hyper	sig	chr6_98842803
chr6	1.01E+08	101393282	+	1.338E-33	1.11242E-31	0.305707	hyper	sig	chr6_101393282
chr19	15511890	15511890	+	1.339E-33	1.11304E-31	-0.37431	hypo	sig	chr19_15511890
chr10	1.3E+08	129887890	+	1.34E-33	1.11428E-31	-0.26654	hypo	sig	chr10_129887890
chr7	8444027	8444027	+	1.341E-33	1.11461E-31	0.346239	hyper	sig	chr7_8444027
chr5	3592513	3592513	+	1.344E-33	1.11752E-31	0.243418	hyper	sig	chr5_3592513
chr15	34754965	34754965	+	1.351E-33	1.12322E-31	0.264936	hyper	sig	chr15_34754965
chr10	1.3E+08	129969688	+	1.359E-33	1.12959E-31	0.222686	hyper	sig	chr10_129969688
chr8	1.24E+08	123540006	+	1.361E-33	1.13115E-31	-0.45677	hypo	sig	chr8_123540006
chr1	31939485	31939485	+	1.37E-33	1.13864E-31	-0.32076	hypo	sig	chr1_31939485
chr10	1.3E+08	129969872	+	1.377E-33	1.14404E-31	0.224784	hyper	sig	chr10_129969872
chr13	78596848	78596848	+	1.378E-33	1.1451E-31	0.283094	hyper	sig	chr13_78596848
chr6	2242514	2242514	+	1.383E-33	1.14906E-31	-0.3379	hypo	sig	chr6_2242514
chr5	1.33E+08	132748361	+	1.396E-33	1.15914E-31	-0.35574	hypo	sig	chr5_132748361
chr1	1.19E+08	118986281	+	1.398E-33	1.16076E-31	0.33047	hyper	sig	chr1_118986281
chr2	1E+08	100321371	+	1.404E-33	1.16614E-31	0.37008	hyper	sig	chr2_100321371
chr12	53973081	53973081	+	1.412E-33	1.17227E-31	0.288934	hyper	sig	chr12_53973081
chr16	89817568	89817568	+	1.413E-33	1.17286E-31	-0.29645	hypo	sig	chr16_89817568
chr11	8168605	8168605	+	1.413E-33	1.17302E-31	0.320419	hyper	sig	chr11_8168605
chr7	2661892	2661892	+	1.416E-33	1.17521E-31	-0.38838	hypo	sig	chr7_2661892
chr7	1.55E+08	155372848	+	1.419E-33	1.17804E-31	0.260545	hyper	sig	chr7_155372848
chr8	54457689	54457689	+	1.423E-33	1.18115E-31	0.320574	hyper	sig	chr8_54457689
chr7	19119098	19119098	+	1.425E-33	1.18209E-31	0.299618	hyper	sig	chr7_19119098
chr13	50132454	50132454	+	1.425E-33	1.18263E-31	0.301291	hyper	sig	chr13_50132454
chr21	33027028	33027028	+	1.426E-33	1.18272E-31	0.25422	hyper	sig	chr21_33027028
chr12	1.33E+08	132524572	+	1.426E-33	1.18298E-31	-0.29924	hypo	sig	chr12_132524572
chr10	1.33E+08	132851674	+	1.427E-33	1.1833E-31	-0.34801	hypo	sig	chr10_132851674
chr19	20661253	20661253	+	1.438E-33	1.19225E-31	0.345988	hyper	sig	chr19_20661253

chr16	46731504	46731504	+	1.44E-33	1.19418E-31	-0.32226	hypo	sig	chr16_46731504
chr16	62036330	62036330	+	1.461E-33	1.21128E-31	0.273407	hyper	sig	chr16_62036330
chr1	3651155	3651155	+	1.462E-33	1.21239E-31	0.291301	hyper	sig	chr1_3651155
chr10	7409303	7409303	+	1.464E-33	1.21338E-31	0.25679	hyper	sig	chr10_7409303
chr11	67452752	67452752	+	1.469E-33	1.21772E-31	-0.22533	hypo	sig	chr11_67452752
chr19	856139	856139	+	1.473E-33	1.22116E-31	-0.31038	hypo	sig	chr19_856139
chr15	52789079	52789079	+	1.475E-33	1.2223E-31	0.289663	hyper	sig	chr15_52789079
chr8	1.23E+08	123182893	+	1.476E-33	1.22291E-31	-0.26468	hypo	sig	chr8_123182893
chr14	1.01E+08	101063997	+	1.477E-33	1.22382E-31	-0.24626	hypo	sig	chr14_101063997
chr1	18632456	18632456	+	1.483E-33	1.22881E-31	0.330159	hyper	sig	chr1_18632456
chr16	54289057	54289057	+	1.484E-33	1.2296E-31	0.269985	hyper	sig	chr16_54289057
chr20	25083251	25083251	+	1.488E-33	1.23222E-31	0.381821	hyper	sig	chr20_25083251
chr16	6483794	6483794	+	1.493E-33	1.23657E-31	0.292541	hyper	sig	chr16_6483794
chr1	1.21E+08	121117978	+	1.5E-33	1.24202E-31	0.259438	hyper	sig	chr1_121117978
chr4	52076995	52076995	+	1.5E-33	1.24202E-31	0.28763	hyper	sig	chr4_52076995
chr5	1.67E+08	166784717	+	1.5E-33	1.24202E-31	-0.31236	hypo	sig	chr5_166784717
chr6	99602925	99602925	+	1.502E-33	1.24374E-31	0.237602	hyper	sig	chr6_99602925
chr3	49686202	49686202	+	1.503E-33	1.24391E-31	0.263216	hyper	sig	chr3_49686202
chr2	5691118	5691118	+	1.505E-33	1.24563E-31	0.283759	hyper	sig	chr2_5691118
chr17	65538195	65538195	+	1.507E-33	1.24727E-31	-0.33756	hypo	sig	chr17_65538195
chr1	75128573	75128573	+	1.51E-33	1.24924E-31	0.292882	hyper	sig	chr1_75128573
chr9	1.19E+08	119369267	+	1.512E-33	1.25068E-31	0.346967	hyper	sig	chr9_119369267
chr11	1.3E+08	129743740	+	1.514E-33	1.25264E-31	-0.33766	hypo	sig	chr11_129743740
chr20	51004036	51004036	+	1.514E-33	1.25264E-31	-0.27364	hypo	sig	chr20_51004036
chr7	45921925	45921925	+	1.516E-33	1.25377E-31	0.222183	hyper	sig	chr7_45921925
chr16	1434740	1434740	+	1.516E-33	1.25405E-31	-0.27463	hypo	sig	chr16_1434740
chr18	8366908	8366908	+	1.518E-33	1.25521E-31	-0.29895	hypo	sig	chr18_8366908
chr10	1.24E+08	123666123	+	1.52E-33	1.25695E-31	0.297166	hyper	sig	chr10_123666123
chr4	1055828	1055828	+	1.524E-33	1.2598E-31	-0.21344	hypo	sig	chr4_1055828
chr8	64586234	64586234	+	1.525E-33	1.26051E-31	0.31254	hyper	sig	chr8_64586234
chr3	1.7E+08	169822631	+	1.536E-33	1.27008E-31	-0.45088	hypo	sig	chr3_169822631
chr16	62036402	62036402	+	1.537E-33	1.27032E-31	0.279123	hyper	sig	chr16_62036402
chr16	88938510	88938510	+	1.543E-33	1.27533E-31	-0.31181	hypo	sig	chr16_88938510
chr1	1210210	1210210	+	1.544E-33	1.27593E-31	-0.30003	hypo	sig	chr1_1210210
chr12	1.03E+08	103302383	+	1.545E-33	1.27657E-31	0.344817	hyper	sig	chr12_103302383
chr11	1338818	1338818	+	1.548E-33	1.27871E-31	-0.32797	hypo	sig	chr11_1338818
chr6	98842837	98842837	+	1.553E-33	1.28286E-31	0.294292	hyper	sig	chr6_98842837
chr1	1.62E+08	161621670	+	1.562E-33	1.29013E-31	0.225468	hyper	sig	chr1_161621670
chr2	2.34E+08	233939015	+	1.564E-33	1.29178E-31	0.300182	hyper	sig	chr2_233939015
chr10	26218348	26218348	+	1.568E-33	1.29535E-31	0.259098	hyper	sig	chr10_26218348
chr12	1.13E+08	113476063	+	1.57E-33	1.29684E-31	0.271325	hyper	sig	chr12_113476063
chr15	55588741	55588741	+	1.574E-33	1.29971E-31	0.211595	hyper	sig	chr15_55588741
chr19	4891180	4891180	+	1.578E-33	1.30246E-31	-0.29255	hypo	sig	chr19_4891180
chr11	20669189	20669189	+	1.591E-33	1.31313E-31	0.293369	hyper	sig	chr11_20669189
chr2	2.33E+08	233060147	+	1.593E-33	1.31509E-31	-0.28321	hypo	sig	chr2_233060147
chr7	1169865	1169865	+	1.606E-33	1.32551E-31	0.260546	hyper	sig	chr7_1169865
chr19	39507650	39507650	+	1.608E-33	1.32737E-31	0.263875	hyper	sig	chr19_39507650
chr20	21713761	21713761	+	1.626E-33	1.34145E-31	0.240215	hyper	sig	chr20_21713761
chr13	1.12E+08	112071810	+	1.637E-33	1.35054E-31	0.277504	hyper	sig	chr13_112071810
chr6	28865703	28865703	+	1.637E-33	1.35075E-31	-0.38075	hypo	sig	chr6_28865703
chr1	7664062	7664062	+	1.639E-33	1.35216E-31	-0.33488	hypo	sig	chr1_7664062
chr8	1.43E+08	143155095	+	1.647E-33	1.3585E-31	-0.28977	hypo	sig	chr8_143155095
chr5	1.41E+08	141430654	+	1.654E-33	1.36423E-31	0.326421	hyper	sig	chr5_141430654
chr2	1.45E+08	144517330	+	1.658E-33	1.36736E-31	0.210869	hyper	sig	chr2_144517330
chr13	1.14E+08	113650495	+	1.667E-33	1.37462E-31	-0.21182	hypo	sig	chr13_113650495
chr2	1.15E+08	115163150	+	1.67E-33	1.3767E-31	0.299877	hyper	sig	chr2_115163150

chr8	1.43E+08	142612944	+	1.673E-33	1.3793E-31	-0.31809	hypo	sig	chr8_142612944
chr13	1.12E+08	112071844	+	1.676E-33	1.38173E-31	0.30094	hyper	sig	chr13_112071844
chr1	6466081	6466081	+	1.677E-33	1.38245E-31	0.272166	hyper	sig	chr1_6466081
chr5	1.81E+08	181174204	+	1.683E-33	1.38666E-31	0.32442	hyper	sig	chr5_181174204
chr13	1.08E+08	108214806	+	1.687E-33	1.39022E-31	0.314694	hyper	sig	chr13_108214806
chr1	1.19E+08	118986096	+	1.688E-33	1.39112E-31	0.314764	hyper	sig	chr1_118986096
chr4	44448299	44448299	+	1.694E-33	1.39574E-31	0.227293	hyper	sig	chr4_44448299
chr16	71426515	71426515	+	1.698E-33	1.39886E-31	0.216766	hyper	sig	chr16_71426515
chr22	39652329	39652329	+	1.714E-33	1.41175E-31	-0.29922	hypo	sig	chr22_39652329
chr8	23706768	23706768	+	1.716E-33	1.41297E-31	0.282479	hyper	sig	chr8_23706768
chr19	58009717	58009717	+	1.717E-33	1.41369E-31	0.264681	hyper	sig	chr19_58009717
chr20	46057428	46057428	+	1.717E-33	1.414E-31	0.281839	hyper	sig	chr20_46057428
chr17	81125994	81125994	+	1.721E-33	1.41693E-31	-0.25437	hypo	sig	chr17_81125994
chr6	93419979	93419979	+	1.723E-33	1.41837E-31	0.217664	hyper	sig	chr6_93419979
chr1	2.29E+08	229434086	+	1.731E-33	1.42491E-31	0.299146	hyper	sig	chr1_229434086
chr19	57935419	57935419	+	1.734E-33	1.42742E-31	0.284237	hyper	sig	chr19_57935419
chr13	83879701	83879701	+	1.738E-33	1.43032E-31	0.322648	hyper	sig	chr13_83879701
chr1	90718601	90718601	+	1.744E-33	1.43529E-31	0.244714	hyper	sig	chr1_90718601
chr14	97219537	97219537	+	1.755E-33	1.44377E-31	0.295949	hyper	sig	chr14_97219537
chr12	72272002	72272002	+	1.756E-33	1.44523E-31	0.214459	hyper	sig	chr12_72272002
chr21	20997645	20997645	+	1.76E-33	1.44818E-31	0.363394	hyper	sig	chr21_20997645
chr4	13534918	13534918	+	1.769E-33	1.45537E-31	0.202194	hyper	sig	chr4_13534918
chr14	36503999	36503999	+	1.774E-33	1.45904E-31	0.23345	hyper	sig	chr14_36503999
chr11	2140653	2140653	+	1.777E-33	1.46097E-31	0.229958	hyper	sig	chr11_2140653
chr10	50674929	50674929	+	1.798E-33	1.47847E-31	-0.27996	hypo	sig	chr10_50674929
chr19	13841031	13841031	+	1.804E-33	1.48316E-31	-0.25582	hypo	sig	chr19_13841031
chr7	92609041	92609041	+	1.804E-33	1.48316E-31	-0.36913	hypo	sig	chr7_92609041
chr8	49909935	49909935	+	1.807E-33	1.48493E-31	0.253843	hyper	sig	chr8_49909935
chr2	1.87E+08	186849259	+	1.808E-33	1.48635E-31	0.233074	hyper	sig	chr2_186849259
chr9	1.37E+08	137243333	+	1.809E-33	1.48663E-31	-0.36434	hypo	sig	chr9_137243333
chr12	80708774	80708774	+	1.81E-33	1.48703E-31	0.272181	hyper	sig	chr12_80708774
chr2	44932954	44932954	+	1.81E-33	1.48703E-31	0.290517	hyper	sig	chr2_44932954
chr20	62476389	62476389	+	1.813E-33	1.48958E-31	0.271863	hyper	sig	chr20_62476389
chr8	32549382	32549382	+	1.815E-33	1.49119E-31	0.238736	hyper	sig	chr8_32549382
chr1	1.6E+08	159929910	+	1.822E-33	1.49689E-31	-0.2809	hypo	sig	chr1_159929910
chr14	1.05E+08	104740045	+	1.834E-33	1.50605E-31	-0.27674	hypo	sig	chr14_104740045
chr8	1.34E+08	134478560	+	1.843E-33	1.51304E-31	-0.255	hypo	sig	chr8_134478560
chr7	45921938	45921938	+	1.849E-33	1.51809E-31	0.276973	hyper	sig	chr7_45921938
chr2	31137938	31137938	+	1.853E-33	1.5212E-31	0.205182	hyper	sig	chr2_31137938
chr10	55627977	55627977	+	1.855E-33	1.52262E-31	0.329184	hyper	sig	chr10_55627977
chr5	2747931	2747931	+	1.855E-33	1.52262E-31	0.307013	hyper	sig	chr5_2747931
chr1	63320275	63320275	+	1.86E-33	1.52683E-31	0.256194	hyper	sig	chr1_63320275
chr1	75135462	75135462	+	1.869E-33	1.53324E-31	0.247167	hyper	sig	chr1_75135462
chr19	3178812	3178812	+	1.868E-33	1.53324E-31	-0.27941	hypo	sig	chr19_3178812
chr4	4862358	4862358	+	1.874E-33	1.53757E-31	0.31397	hyper	sig	chr4_4862358
chr10	1478709	1478709	+	1.877E-33	1.5402E-31	-0.28712	hypo	sig	chr10_1478709
chr1	58249883	58249883	+	1.885E-33	1.54626E-31	0.246641	hyper	sig	chr1_58249883
chr2	1.13E+08	113275913	+	1.89E-33	1.5502E-31	0.282679	hyper	sig	chr2_113275913
chr13	57634271	57634271	+	1.893E-33	1.55225E-31	0.309724	hyper	sig	chr13_57634271
chr2	1.19E+08	119158222	+	1.895E-33	1.55389E-31	0.329129	hyper	sig	chr2_119158222
chr17	77373579	77373579	+	1.899E-33	1.55724E-31	0.387583	hyper	sig	chr17_77373579
chr3	1.88E+08	187670387	+	1.904E-33	1.56087E-31	0.270698	hyper	sig	chr3_187670387
chr7	27108522	27108522	+	1.905E-33	1.56158E-31	0.293739	hyper	sig	chr7_27108522
chr17	44848191	44848191	+	1.919E-33	1.57257E-31	0.355082	hyper	sig	chr17_44848191
chr20	63084605	63084605	+	1.92E-33	1.57343E-31	-0.3041	hypo	sig	chr20_63084605
chr4	1.09E+08	109302485	+	1.924E-33	1.57684E-31	0.249763	hyper	sig	chr4_109302485

chr14	60507158	60507158	+	1.928E-33	1.58E-31	0.339954	hyper	sig	chr14_60507158
chr20	62686840	62686840	+	1.931E-33	1.58203E-31	-0.34373	hypo	sig	chr20_62686840
chr1	2378725	2378725	+	1.938E-33	1.58749E-31	-0.23888	hypo	sig	chr1_2378725
chr10	27745259	27745259	+	1.94E-33	1.58936E-31	0.345609	hyper	sig	chr10_27745259
chr5	1.46E+08	146342954	+	1.943E-33	1.59161E-31	0.299597	hyper	sig	chr5_146342954
chr2	74526185	74526185	+	1.944E-33	1.5921E-31	-0.2803	hypo	sig	chr2_74526185
chr12	1.32E+08	132356675	+	1.951E-33	1.59741E-31	-0.24966	hypo	sig	chr12_132356675
chr6	10887388	10887388	+	1.958E-33	1.60294E-31	0.357072	hyper	sig	chr6_10887388
chr3	1.47E+08	147411170	+	1.967E-33	1.61014E-31	0.33812	hyper	sig	chr3_147411170
chr4	1.11E+08	110630671	+	1.979E-33	1.62046E-31	0.266654	hyper	sig	chr4_110630671
chr4	1.11E+08	110630673	+	1.993E-33	1.63114E-31	0.268982	hyper	sig	chr4_110630673
chr4	1.72E+08	171813086	+	2.014E-33	1.6486E-31	0.313254	hyper	sig	chr4_171813086
chr20	64072218	64072218	+	2.02E-33	1.65282E-31	-0.2892	hypo	sig	chr20_64072218
chr4	1305622	1305622	+	2.029E-33	1.66001E-31	-0.31673	hypo	sig	chr4_1305622
chr6	1.5E+08	149964588	+	2.029E-33	1.66001E-31	0.247209	hyper	sig	chr6_149964588
chr19	3821384	3821384	+	2.03E-33	1.66101E-31	-0.36683	hypo	sig	chr19_3821384
chr4	1.4E+08	140426900	+	2.035E-33	1.66491E-31	0.22746	hyper	sig	chr4_140426900
chr7	27103001	27103001	+	2.046E-33	1.67369E-31	0.331921	hyper	sig	chr7_27103001
chr16	86578935	86578935	+	2.052E-33	1.67786E-31	0.334178	hyper	sig	chr16_86578935
chr7	1.55E+08	155373538	+	2.062E-33	1.68614E-31	0.229635	hyper	sig	chr7_155373538
chr17	46819637	46819637	+	2.065E-33	1.68836E-31	0.278419	hyper	sig	chr17_46819637
chr10	55627955	55627955	+	2.074E-33	1.69547E-31	0.303546	hyper	sig	chr10_55627955
chr3	6862234	6862234	+	2.075E-33	1.69638E-31	0.406089	hyper	sig	chr3_6862234
chr5	5139655	5139655	+	2.079E-33	1.69932E-31	0.34584	hyper	sig	chr5_5139655
chr1	1.98E+08	197921368	+	2.082E-33	1.70142E-31	0.256174	hyper	sig	chr1_197921368
chr19	1526508	1526508	+	2.104E-33	1.71908E-31	-0.3018	hypo	sig	chr19_1526508
chr3	1.47E+08	147396619	+	2.11E-33	1.72438E-31	0.247335	hyper	sig	chr3_147396619
chr5	1.73E+08	173245763	+	2.11E-33	1.72438E-31	0.239053	hyper	sig	chr5_173245763
chr14	94773134	94773134	+	2.113E-33	1.72646E-31	0.265685	hyper	sig	chr14_94773134
chr4	1.07E+08	107036200	+	2.123E-33	1.73436E-31	0.258635	hyper	sig	chr4_107036200
chr1	33307146	33307146	+	2.13E-33	1.73942E-31	0.295733	hyper	sig	chr1_33307146
chr19	21835852	21835852	+	2.136E-33	1.74411E-31	0.210045	hyper	sig	chr19_21835852
chr2	1E+08	100322585	+	2.157E-33	1.76099E-31	0.269035	hyper	sig	chr2_100322585
chr14	1.01E+08	101062212	+	2.158E-33	1.76179E-31	-0.23997	hypo	sig	chr14_101062212
chr7	24283629	24283629	+	2.159E-33	1.76235E-31	0.31995	hyper	sig	chr7_24283629
chr16	23836235	23836235	+	2.162E-33	1.7648E-31	0.279037	hyper	sig	chr16_23836235
chr1	1.44E+08	143905364	+	2.164E-33	1.76656E-31	0.267578	hyper	sig	chr1_143905364
chr9	1.24E+08	124476877	+	2.166E-33	1.76798E-31	-0.36368	hypo	sig	chr9_124476877
chr7	90597049	90597049	+	2.17E-33	1.771E-31	0.27652	hyper	sig	chr7_90597049
chr13	50132452	50132452	+	2.171E-33	1.77119E-31	0.299082	hyper	sig	chr13_50132452
chr5	1.46E+08	146343148	+	2.175E-33	1.77476E-31	0.279542	hyper	sig	chr5_146343148
chr13	1.08E+08	108214763	+	2.177E-33	1.77589E-31	0.267556	hyper	sig	chr13_108214763
chr12	12884877	12884877	+	2.203E-33	1.79742E-31	-0.43294	hypo	sig	chr12_12884877
chr19	53132798	53132798	+	2.205E-33	1.79885E-31	0.27956	hyper	sig	chr19_53132798
chr21	32585523	32585523	+	2.219E-33	1.80962E-31	-0.36142	hypo	sig	chr21_32585523
chr3	5095914	5095914	+	2.227E-33	1.81594E-31	0.301608	hyper	sig	chr3_5095914
chr6	1E+08	100463870	+	2.227E-33	1.8162E-31	0.257708	hyper	sig	chr6_100463870
chr7	2570138	2570138	+	2.229E-33	1.8178E-31	-0.39231	hypo	sig	chr7_2570138
chr13	1.08E+08	107868218	+	2.232E-33	1.81933E-31	0.270848	hyper	sig	chr13_107868218
chr7	23246801	23246801	+	2.234E-33	1.82135E-31	-0.33343	hypo	sig	chr7_23246801
chr11	45094044	45094044	+	2.249E-33	1.83338E-31	-0.24458	hypo	sig	chr11_45094044
chr13	44815913	44815913	+	2.262E-33	1.84384E-31	-0.30673	hypo	sig	chr13_44815913
chr19	1775303	1775303	+	2.278E-33	1.85644E-31	0.268603	hyper	sig	chr19_1775303
chr13	1.09E+08	109125543	+	2.282E-33	1.85926E-31	-0.32887	hypo	sig	chr13_109125543
chr7	97020964	97020964	+	2.293E-33	1.86795E-31	0.271639	hyper	sig	chr7_97020964
chr5	76953701	76953701	+	2.296E-33	1.87057E-31	0.387699	hyper	sig	chr5_76953701

chr1	2.29E+08	229434091	+	2.305E-33	1.8777E-31	0.289781	hyper	sig	chr1_229434091
chr12	1.33E+08	132904885	+	2.322E-33	1.89146E-31	0.261605	hyper	sig	chr12_132904885
chr20	3785730	3785730	+	2.324E-33	1.89267E-31	-0.35219	hypo	sig	chr20_3785730
chr8	1.17E+08	116935544	+	2.332E-33	1.89924E-31	-0.36045	hypo	sig	chr8_116935544
chr22	17370986	17370986	+	2.339E-33	1.90436E-31	0.315748	hyper	sig	chr22_17370986
chr10	1.32E+08	132252532	+	2.34E-33	1.90467E-31	-0.25719	hypo	sig	chr10_132252532
chr4	1.55E+08	155376794	+	2.35E-33	1.91281E-31	0.22523	hyper	sig	chr4_155376794
chr14	41605385	41605385	+	2.351E-33	1.91389E-31	0.221433	hyper	sig	chr14_41605385
chr4	1405430	1405430	+	2.362E-33	1.92274E-31	0.348799	hyper	sig	chr4_1405430
chr5	1.35E+08	135327290	+	2.377E-33	1.93465E-31	0.233278	hyper	sig	chr5_135327290
chr11	1.23E+08	122981767	+	2.391E-33	1.94571E-31	0.292408	hyper	sig	chr11_122981767
chr20	872918	872918	+	2.404E-33	1.95603E-31	-0.28996	hypo	sig	chr20_872918
chr19	3821348	3821348	+	2.408E-33	1.95904E-31	-0.37297	hypo	sig	chr19_3821348
chr6	1.7E+08	170177182	+	2.421E-33	1.96968E-31	-0.32649	hypo	sig	chr6_170177182
chr5	1.35E+08	135027692	+	2.429E-33	1.97544E-31	0.398078	hyper	sig	chr5_135027692
chr11	78962152	78962152	+	2.438E-33	1.98274E-31	0.376383	hyper	sig	chr11_78962152
chr3	1.47E+08	147423472	+	2.458E-33	1.99858E-31	0.252871	hyper	sig	chr3_147423472
chr16	84851617	84851617	+	2.458E-33	1.99909E-31	-0.36308	hypo	sig	chr16_84851617
chr3	26623787	26623787	+	2.463E-33	2.00249E-31	0.278121	hyper	sig	chr3_26623787
chr7	97013396	97013396	+	2.466E-33	2.00457E-31	0.282952	hyper	sig	chr7_97013396
chr17	48605702	48605702	+	2.474E-33	2.01091E-31	-0.29606	hypo	sig	chr17_48605702
chr7	1.59E+08	159144415	+	2.475E-33	2.01192E-31	0.206047	hyper	sig	chr7_159144415
chr10	1.01E+08	101236490	+	2.476E-33	2.01233E-31	0.218406	hyper	sig	chr10_101236490
chr14	28774525	28774525	+	2.477E-33	2.01257E-31	0.282113	hyper	sig	chr14_28774525
chr1	6276427	6276427	+	2.477E-33	2.01306E-31	0.297479	hyper	sig	chr1_6276427
chr3	1.25E+08	125142054	+	2.481E-33	2.01599E-31	0.299204	hyper	sig	chr3_125142054
chr3	1.38E+08	137761387	+	2.482E-33	2.0167E-31	0.291826	hyper	sig	chr3_137761387
chr5	1.46E+08	146340471	+	2.487E-33	2.02022E-31	0.312761	hyper	sig	chr5_146340471
chr4	1.55E+08	154744651	+	2.492E-33	2.02375E-31	0.308389	hyper	sig	chr4_154744651
chr4	21304308	21304308	+	2.498E-33	2.02892E-31	0.252025	hyper	sig	chr4_21304308
chr7	90597047	90597047	+	2.504E-33	2.0332E-31	0.283624	hyper	sig	chr7_90597047
chr11	1085273	1085273	+	2.51E-33	2.03831E-31	-0.22386	hypo	sig	chr11_1085273
chr12	4911527	4911527	+	2.523E-33	2.04824E-31	0.319511	hyper	sig	chr12_4911527
chr13	1.12E+08	112106615	+	2.525E-33	2.04951E-31	0.212676	hyper	sig	chr13_112106615
chr12	43552460	43552460	+	2.537E-33	2.05961E-31	0.308124	hyper	sig	chr12_43552460
chr14	41605683	41605683	+	2.541E-33	2.06276E-31	0.236962	hyper	sig	chr14_41605683
chr12	85279518	85279518	+	2.544E-33	2.06434E-31	0.284917	hyper	sig	chr12_85279518
chr12	53936093	53936093	+	2.544E-33	2.06444E-31	0.368764	hyper	sig	chr12_53936093
chr16	23836265	23836265	+	2.544E-33	2.06452E-31	0.223285	hyper	sig	chr16_23836265
chr16	1281696	1281696	+	2.556E-33	2.07365E-31	-0.34043	hypo	sig	chr16_1281696
chr4	4870746	4870746	+	2.558E-33	2.07541E-31	0.242615	hyper	sig	chr4_4870746
chr5	1.19E+08	119355342	+	2.561E-33	2.07749E-31	-0.23132	hypo	sig	chr5_119355342
chr8	84185011	84185011	+	2.562E-33	2.0777E-31	0.28801	hyper	sig	chr8_84185011
chr6	1E+08	100447284	+	2.562E-33	2.07774E-31	0.241737	hyper	sig	chr6_100447284
chr13	1.12E+08	112069241	+	2.564E-33	2.07948E-31	0.251276	hyper	sig	chr13_112069241
chr19	21851945	21851945	+	2.567E-33	2.08139E-31	0.21013	hyper	sig	chr19_21851945
chr21	33025914	33025914	+	2.569E-33	2.08306E-31	0.330243	hyper	sig	chr21_33025914
chr6	32218387	32218387	+	2.573E-33	2.08622E-31	-0.28719	hypo	sig	chr6_32218387
chr7	41962146	41962146	+	2.588E-33	2.09804E-31	-0.29282	hypo	sig	chr7_41962146
chr10	1.33E+08	133231358	+	2.591E-33	2.10028E-31	0.232329	hyper	sig	chr10_133231358
chr17	16683507	16683507	+	2.595E-33	2.10333E-31	0.322734	hyper	sig	chr17_16683507
chr14	97219581	97219581	+	2.602E-33	2.10861E-31	0.280176	hyper	sig	chr14_97219581
chr10	22345307	22345307	+	2.619E-33	2.12234E-31	0.276318	hyper	sig	chr10_22345307
chr1	1.71E+08	170661386	+	2.626E-33	2.12733E-31	0.25284	hyper	sig	chr1_170661386
chr1	3593148	3593148	+	2.627E-33	2.12811E-31	-0.34607	hypo	sig	chr1_3593148
chr3	1.38E+08	137761299	+	2.633E-33	2.13297E-31	0.306303	hyper	sig	chr3_137761299

chr1	1.58E+08	158181528	+	2.637E-33	2.13582E-31	0.308845	hyper	sig	chr1_158181528
chr16	30821208	30821208	+	2.646E-33	2.14332E-31	-0.32749	hypo	sig	chr16_30821208
chr16	55656573	55656573	+	2.65E-33	2.14641E-31	0.239301	hyper	sig	chr16_55656573
chr10	1.24E+08	123973309	+	2.653E-33	2.14803E-31	0.264713	hyper	sig	chr10_123973309
chr8	66961916	66961916	+	2.666E-33	2.15831E-31	0.378619	hyper	sig	chr8_66961916
chr4	1.09E+08	109302649	+	2.672E-33	2.16333E-31	0.286694	hyper	sig	chr4_109302649
chr5	1.16E+08	115816277	+	2.675E-33	2.1654E-31	0.377507	hyper	sig	chr5_115816277
chr2	2.42E+08	241863747	+	2.682E-33	2.17062E-31	0.221371	hyper	sig	chr2_241863747
chr15	68597493	68597493	+	2.696E-33	2.18174E-31	-0.2713	hypo	sig	chr15_68597493
chr2	1.31E+08	131040041	+	2.721E-33	2.20199E-31	0.310758	hyper	sig	chr2_131040041
chr4	1.39E+08	139279504	+	2.731E-33	2.21007E-31	0.219385	hyper	sig	chr4_139279504
chr17	81342000	81342000	+	2.735E-33	2.21316E-31	0.388419	hyper	sig	chr17_81342000
chr6	1.67E+08	167157688	+	2.743E-33	2.21948E-31	-0.25681	hypo	sig	chr6_167157688
chr5	63961870	63961870	+	2.768E-33	2.23918E-31	0.290724	hyper	sig	chr5_63961870
chr19	37551262	37551262	+	2.775E-33	2.24474E-31	0.301339	hyper	sig	chr19_37551262
chr11	1.09E+08	109423464	+	2.782E-33	2.25005E-31	0.28575	hyper	sig	chr11_109423464
chr17	81858628	81858628	+	2.792E-33	2.25783E-31	-0.25503	hypo	sig	chr17_81858628
chr14	47675077	47675077	+	2.795E-33	2.2598E-31	0.336159	hyper	sig	chr14_47675077
chr12	62192110	62192110	+	2.8E-33	2.26359E-31	0.431562	hyper	sig	chr12_62192110
chr4	1.33E+08	133148230	+	2.805E-33	2.26795E-31	0.309474	hyper	sig	chr4_133148230
chr14	37602093	37602093	+	2.816E-33	2.27619E-31	0.241958	hyper	sig	chr14_37602093
chr14	60507169	60507169	+	2.818E-33	2.27812E-31	0.329918	hyper	sig	chr14_60507169
chr10	55628642	55628642	+	2.826E-33	2.2844E-31	0.314924	hyper	sig	chr10_55628642
chr13	1.02E+08	102400570	+	2.834E-33	2.28986E-31	0.272059	hyper	sig	chr13_102400570
chr2	2.39E+08	239098395	+	2.841E-33	2.29585E-31	-0.26902	hypo	sig	chr2_239098395
chr7	85185778	85185778	+	2.844E-33	2.29823E-31	0.24168	hyper	sig	chr7_85185778
chr10	23200341	23200341	+	2.847E-33	2.29966E-31	0.380752	hyper	sig	chr10_23200341
chr1	1.19E+08	119007246	+	2.851E-33	2.30322E-31	0.371861	hyper	sig	chr1_119007246
chr4	1.55E+08	154742003	+	2.872E-33	2.31931E-31	0.20838	hyper	sig	chr4_154742003
chr2	1.31E+08	130964754	+	2.879E-33	2.32501E-31	0.286654	hyper	sig	chr2_130964754
chr1	1.21E+08	121009576	+	2.882E-33	2.32678E-31	0.29799	hyper	sig	chr1_121009576
chr3	1.25E+08	125142064	+	2.885E-33	2.32889E-31	0.322824	hyper	sig	chr3_125142064
chr8	23706501	23706501	+	2.888E-33	2.33108E-31	0.27984	hyper	sig	chr8_23706501
chr5	88695427	88695427	+	2.911E-33	2.34965E-31	0.28608	hyper	sig	chr5_88695427
chr12	1.03E+08	102961412	+	2.925E-33	2.36042E-31	0.254351	hyper	sig	chr12_102961412
chr1	6093065	6093065	+	2.936E-33	2.369E-31	-0.3043	hypo	sig	chr1_6093065
chr2	38960424	38960424	+	2.942E-33	2.37374E-31	0.25151	hyper	sig	chr2_38960424
chr12	1.14E+08	113669960	+	2.945E-33	2.37562E-31	0.274959	hyper	sig	chr12_113669960
chr21	46296585	46296585	+	2.959E-33	2.38693E-31	0.248215	hyper	sig	chr21_46296585
chr4	92304450	92304450	+	2.971E-33	2.39645E-31	0.296007	hyper	sig	chr4_92304450
chr13	1.02E+08	102400568	+	2.977E-33	2.40099E-31	0.273856	hyper	sig	chr13_102400568
chr12	4909978	4909978	+	2.982E-33	2.40478E-31	0.318363	hyper	sig	chr12_4909978
chr13	52848213	52848213	+	2.983E-33	2.40499E-31	0.290066	hyper	sig	chr13_52848213
chr16	10182813	10182813	+	2.986E-33	2.40716E-31	0.341198	hyper	sig	chr16_10182813
chr22	49634808	49634808	+	2.986E-33	2.40738E-31	-0.30864	hypo	sig	chr22_49634808
chr12	1.14E+08	113669937	+	2.989E-33	2.40944E-31	0.28564	hyper	sig	chr12_113669937
chr4	3649777	3649777	+	2.995E-33	2.41362E-31	-0.31599	hypo	sig	chr4_3649777
chr13	87674395	87674395	+	3E-33	2.41797E-31	0.234021	hyper	sig	chr13_87674395
chr19	56192982	56192982	+	3.001E-33	2.41849E-31	-0.27191	hypo	sig	chr19_56192982
chr1	2.35E+08	234723207	+	3.011E-33	2.42603E-31	-0.3288	hypo	sig	chr1_234723207
chr3	1.47E+08	147408139	+	3.012E-33	2.42695E-31	0.284376	hyper	sig	chr3_147408139
chr2	1.19E+08	118845517	+	3.038E-33	2.44707E-31	0.30272	hyper	sig	chr2_118845517
chr1	2.28E+08	228464827	+	3.062E-33	2.46635E-31	0.240831	hyper	sig	chr1_228464827
chr20	45297987	45297987	+	3.067E-33	2.46983E-31	-0.34022	hypo	sig	chr20_45297987
chr20	43189263	43189263	+	3.075E-33	2.4759E-31	0.250615	hyper	sig	chr20_43189263
chr11	24496783	24496783	+	3.082E-33	2.48126E-31	0.218844	hyper	sig	chr11_24496783

chr2	2.39E+08	239247237	+	3.098E-33	2.49403E-31	-0.36985	hypo	sig	chr2_239247237
chr16	87688689	87688689	+	3.103E-33	2.4982E-31	-0.30247	hypo	sig	chr16_87688689
chr1	90717090	90717090	+	3.107E-33	2.50063E-31	0.280861	hyper	sig	chr1_90717090
chr13	52848199	52848199	+	3.111E-33	2.50352E-31	0.306582	hyper	sig	chr13_52848199
chr4	3649769	3649769	+	3.111E-33	2.50352E-31	-0.30976	hypo	sig	chr4_3649769
chr7	1.56E+08	156123018	+	3.114E-33	2.50559E-31	-0.25449	hypo	sig	chr7_156123018
chr18	69402876	69402876	+	3.119E-33	2.5097E-31	0.240122	hyper	sig	chr18_69402876
chr5	1.41E+08	141403145	+	3.127E-33	2.51568E-31	0.255703	hyper	sig	chr5_141403145
chr2	2.33E+08	233060471	+	3.127E-33	2.51571E-31	-0.31781	hypo	sig	chr2_233060471
chr1	3245646	3245646	+	3.135E-33	2.52145E-31	-0.21551	hypo	sig	chr1_3245646
chr2	50347931	50347931	+	3.157E-33	2.53893E-31	0.308325	hyper	sig	chr2_50347931
chr5	44389718	44389718	+	3.172E-33	2.55058E-31	0.28563	hyper	sig	chr5_44389718
chr12	98894038	98894038	+	3.178E-33	2.55534E-31	0.316792	hyper	sig	chr12_98894038
chr1	47439766	47439766	+	3.178E-33	2.55541E-31	0.285026	hyper	sig	chr1_47439766
chr15	64894282	64894282	+	3.185E-33	2.56071E-31	0.285756	hyper	sig	chr15_64894282
chr11	1.29E+08	128696492	+	3.188E-33	2.56313E-31	-0.31909	hypo	sig	chr11_128696492
chr10	1.31E+08	131312033	+	3.191E-33	2.56498E-31	0.357772	hyper	sig	chr10_131312033
chr22	50031672	50031672	+	3.192E-33	2.56518E-31	-0.27681	hypo	sig	chr22_50031672
chr14	1.01E+08	101062187	+	3.193E-33	2.56639E-31	-0.25149	hypo	sig	chr14_101062187
chr10	63132856	63132856	+	3.199E-33	2.57037E-31	-0.3177	hypo	sig	chr10_63132856
chr7	44219127	44219127	+	3.206E-33	2.57611E-31	-0.26878	hypo	sig	chr7_44219127
chr11	20669224	20669224	+	3.213E-33	2.58112E-31	0.332822	hyper	sig	chr11_20669224
chr1	20553148	20553148	+	3.229E-33	2.5937E-31	0.296208	hyper	sig	chr1_20553148
chr1	1.44E+08	143905633	+	3.233E-33	2.5966E-31	0.246505	hyper	sig	chr1_143905633
chr9	91421061	91421061	+	3.236E-33	2.59853E-31	0.255814	hyper	sig	chr9_91421061
chr1	47439817	47439817	+	3.241E-33	2.60219E-31	0.304268	hyper	sig	chr1_47439817
chr2	2.33E+08	233060185	+	3.244E-33	2.6043E-31	-0.31078	hypo	sig	chr2_233060185
chr1	90719676	90719676	+	3.251E-33	2.61005E-31	0.330223	hyper	sig	chr1_90719676
chr5	1.73E+08	173245370	+	3.254E-33	2.61233E-31	0.256685	hyper	sig	chr5_173245370
chr15	88255491	88255491	+	3.264E-33	2.6194E-31	0.320027	hyper	sig	chr15_88255491
chr14	1.01E+08	100830893	+	3.275E-33	2.62842E-31	-0.30609	hypo	sig	chr14_100830893
chr20	20373232	20373232	+	3.278E-33	2.63018E-31	-0.24249	hypo	sig	chr20_20373232
chr13	27924441	27924441	+	3.281E-33	2.63243E-31	0.295643	hyper	sig	chr13_27924441
chr5	2753738	2753738	+	3.292E-33	2.64146E-31	0.279606	hyper	sig	chr5_2753738
chr5	1.46E+08	146338113	+	3.304E-33	2.65031E-31	0.207895	hyper	sig	chr5_146338113
chr5	1.41E+08	141398796	+	3.31E-33	2.65497E-31	0.244416	hyper	sig	chr5_141398796
chr4	1.55E+08	155376453	+	3.322E-33	2.66429E-31	0.289952	hyper	sig	chr4_155376453
chr3	1.47E+08	147411211	+	3.322E-33	2.66439E-31	0.327498	hyper	sig	chr3_147411211
chr11	32436230	32436230	+	3.323E-33	2.66494E-31	0.266025	hyper	sig	chr11_32436230
chr2	1.15E+08	115162630	+	3.336E-33	2.67482E-31	0.332246	hyper	sig	chr2_115162630
chr16	86516387	86516387	+	3.347E-33	2.68334E-31	0.268812	hyper	sig	chr16_86516387
chr7	87599548	87599548	+	3.352E-33	2.68749E-31	-0.35115	hypo	sig	chr7_87599548
chr10	23191073	23191073	+	3.36E-33	2.69325E-31	0.342933	hyper	sig	chr10_23191073
chr6	50842999	50842999	+	3.361E-33	2.69325E-31	0.286398	hyper	sig	chr6_50842999
chr7	32070569	32070569	+	3.36E-33	2.69325E-31	0.233137	hyper	sig	chr7_32070569
chr12	72273927	72273927	+	3.395E-33	2.72065E-31	0.321151	hyper	sig	chr12_72273927
chr11	70457321	70457321	+	3.412E-33	2.7337E-31	-0.23699	hypo	sig	chr11_70457321
chr13	35478859	35478859	+	3.431E-33	2.74872E-31	0.344523	hyper	sig	chr13_35478859
chr8	96160747	96160747	+	3.449E-33	2.76313E-31	0.223643	hyper	sig	chr8_96160747
chr10	55628736	55628736	+	3.463E-33	2.77364E-31	0.259069	hyper	sig	chr10_55628736
chr2	95025445	95025445	+	3.464E-33	2.77425E-31	0.236663	hyper	sig	chr2_95025445
chr2	2.32E+08	232419656	+	3.467E-33	2.77649E-31	0.283598	hyper	sig	chr2_232419656
chr10	1.33E+08	133029512	+	3.48E-33	2.78659E-31	-0.36942	hypo	sig	chr10_133029512
chr13	1.1E+08	109773488	+	3.511E-33	2.81143E-31	-0.28825	hypo	sig	chr13_109773488
chr1	50416254	50416254	+	3.514E-33	2.8138E-31	0.306601	hyper	sig	chr1_50416254
chr15	88255482	88255482	+	3.519E-33	2.81717E-31	0.308284	hyper	sig	chr15_88255482

chr16	86495130	86495130	+	3.547E-33	2.83929E-31	0.220799	hyper	sig	chr16_86495130
chr7	8443779	8443779	+	3.588E-33	2.87176E-31	0.306841	hyper	sig	chr7_8443779
chr16	2183986	2183986	+	3.591E-33	2.87399E-31	-0.25377	hypo	sig	chr16_2183986
chr13	35478928	35478928	+	3.604E-33	2.88417E-31	0.273635	hyper	sig	chr13_35478928
chr6	1.33E+08	133242360	+	3.609E-33	2.88764E-31	0.221263	hyper	sig	chr6_133242360
chr17	52157992	52157992	+	3.63E-33	2.90465E-31	0.302603	hyper	sig	chr17_52157992
chr7	19118087	19118087	+	3.636E-33	2.90906E-31	0.213459	hyper	sig	chr7_19118087
chr4	1.85E+08	185019496	+	3.641E-33	2.9127E-31	0.268559	hyper	sig	chr4_185019496
chr2	1.92E+08	192194727	+	3.646E-33	2.91653E-31	0.254474	hyper	sig	chr2_192194727
chr10	8036149	8036149	+	3.653E-33	2.92193E-31	0.276307	hyper	sig	chr10_8036149
chr19	22286415	22286415	+	3.655E-33	2.92294E-31	0.318404	hyper	sig	chr19_22286415
chr13	1.13E+08	113406002	+	3.662E-33	2.92789E-31	-0.29512	hypo	sig	chr13_113406002
chr17	65228993	65228993	+	3.663E-33	2.92834E-31	-0.22924	hypo	sig	chr17_65228993
chr11	1.3E+08	129743711	+	3.664E-33	2.92957E-31	-0.31242	hypo	sig	chr11_129743711
chr3	1.88E+08	187670406	+	3.665E-33	2.92975E-31	0.281221	hyper	sig	chr3_187670406
chr5	1662628	1662628	+	3.693E-33	2.95186E-31	-0.29253	hypo	sig	chr5_1662628
chr10	27745264	27745264	+	3.707E-33	2.96292E-31	0.352203	hyper	sig	chr10_27745264
chr2	5692855	5692855	+	3.709E-33	2.96361E-31	0.327659	hyper	sig	chr2_5692855
chr19	49133351	49133351	+	3.711E-33	2.96508E-31	0.315537	hyper	sig	chr19_49133351
chr5	1.35E+08	135039070	+	3.714E-33	2.96759E-31	0.317	hyper	sig	chr5_135039070
chr6	32054827	32054827	+	3.719E-33	2.97115E-31	-0.25431	hypo	sig	chr6_32054827
chr21	36697656	36697656	+	3.728E-33	2.9775E-31	0.231947	hyper	sig	chr21_36697656
chr5	1.59E+08	159097359	+	3.728E-33	2.9775E-31	0.315027	hyper	sig	chr5_159097359
chr12	52675950	52675950	+	3.729E-33	2.97789E-31	-0.22474	hypo	sig	chr12_52675950
chr4	80185664	80185664	+	3.731E-33	2.97968E-31	0.268626	hyper	sig	chr4_80185664
chr2	47573254	47573254	+	3.733E-33	2.98098E-31	-0.35996	hypo	sig	chr2_47573254
chr5	1.73E+08	173245507	+	3.734E-33	2.98098E-31	0.276792	hyper	sig	chr5_173245507
chr14	69850174	69850174	+	3.756E-33	2.99877E-31	-0.36631	hypo	sig	chr14_69850174
chr16	89972199	89972199	+	3.761E-33	3.00219E-31	0.30819	hyper	sig	chr16_89972199
chr17	35448736	35448736	+	3.772E-33	3.01106E-31	0.320064	hyper	sig	chr17_35448736
chr16	7303502	7303502	+	3.775E-33	3.01272E-31	0.340299	hyper	sig	chr16_7303502
chr1	92441754	92441754	+	3.776E-33	3.01369E-31	-0.3773	hypo	sig	chr1_92441754
chr17	64777961	64777961	+	3.797E-33	3.02965E-31	0.266852	hyper	sig	chr17_64777961
chr4	1.9E+08	190018072	+	3.803E-33	3.03429E-31	0.260262	hyper	sig	chr4_190018072
chr19	3821350	3821350	+	3.815E-33	3.04358E-31	-0.37889	hypo	sig	chr19_3821350
chr6	1.37E+08	137495920	+	3.86E-33	3.07902E-31	0.359862	hyper	sig	chr6_137495920
chr13	51861911	51861911	+	3.903E-33	3.11259E-31	-0.36193	hypo	sig	chr13_51861911
chr1	6069182	6069182	+	3.905E-33	3.11446E-31	-0.21447	hypo	sig	chr1_6069182
chr13	36432214	36432214	+	3.913E-33	3.12058E-31	0.276503	hyper	sig	chr13_36432214
chr1	2.28E+08	228341200	+	3.931E-33	3.13414E-31	-0.30448	hypo	sig	chr1_228341200
chr22	39374517	39374517	+	4E-33	3.18917E-31	-0.29754	hypo	sig	chr22_39374517
chr17	82715799	82715799	+	4.008E-33	3.19522E-31	-0.29462	hypo	sig	chr17_82715799
chr2	1.09E+08	109031553	+	4.033E-33	3.2147E-31	0.264711	hyper	sig	chr2_109031553
chr7	19118108	19118108	+	4.044E-33	3.22297E-31	0.255894	hyper	sig	chr7_19118108
chr3	1.25E+08	125357619	+	4.055E-33	3.23152E-31	0.316032	hyper	sig	chr3_125357619
chr11	20669835	20669835	+	4.086E-33	3.25606E-31	0.379631	hyper	sig	chr11_20669835
chr6	1.33E+08	133242426	+	4.092E-33	3.26025E-31	0.24908	hyper	sig	chr6_133242426
chr17	77373548	77373548	+	4.092E-33	3.26028E-31	0.366868	hyper	sig	chr17_77373548
chr6	62286479	62286479	+	4.094E-33	3.26177E-31	0.360328	hyper	sig	chr6_62286479
chr6	1.46E+08	146029078	+	4.102E-33	3.26782E-31	0.27392	hyper	sig	chr6_146029078
chr17	45785614	45785614	+	4.11E-33	3.27375E-31	0.307733	hyper	sig	chr17_45785614
chr17	36939420	36939420	+	4.143E-33	3.2994E-31	0.259975	hyper	sig	chr17_36939420
chr6	50850979	50850979	+	4.143E-33	3.29948E-31	0.285143	hyper	sig	chr6_50850979
chr1	2.44E+08	243917439	+	4.149E-33	3.30367E-31	0.338341	hyper	sig	chr1_243917439
chr11	40293823	40293823	+	4.154E-33	3.30715E-31	0.270042	hyper	sig	chr11_40293823
chr13	78595907	78595907	+	4.168E-33	3.31795E-31	0.358149	hyper	sig	chr13_78595907

chr12	5044010	5044010	+	4.169E-33	3.31844E-31	0.376956	hyper	sig	chr12_5044010
chr2	74515179	74515179	+	4.174E-33	3.32246E-31	0.279343	hyper	sig	chr2_74515179
chr16	67163811	67163811	+	4.182E-33	3.32853E-31	0.359045	hyper	sig	chr16_67163811
chr19	56507517	56507517	+	4.183E-33	3.32867E-31	0.332054	hyper	sig	chr19_56507517
chr3	12987142	12987142	+	4.205E-33	3.34539E-31	-0.24351	hypo	sig	chr3_12987142
chr5	1.41E+08	141345668	+	4.204E-33	3.34539E-31	0.219846	hyper	sig	chr5_141345668
chr19	1467009	1467009	+	4.211E-33	3.34994E-31	0.274695	hyper	sig	chr19_1467009
chr14	1.02E+08	101565056	+	4.215E-33	3.35298E-31	0.26732	hyper	sig	chr14_101565056
chr5	88678701	88678701	+	4.222E-33	3.35817E-31	0.244997	hyper	sig	chr5_88678701
chr11	2301705	2301705	+	4.233E-33	3.366E-31	-0.33289	hypo	sig	chr11_2301705
chr14	60511224	60511224	+	4.242E-33	3.3729E-31	0.247126	hyper	sig	chr14_60511224
chr11	69382633	69382633	+	4.242E-33	3.37302E-31	-0.26602	hypo	sig	chr11_69382633
chr18	25349249	25349249	+	4.245E-33	3.37443E-31	0.257014	hyper	sig	chr18_25349249
chr16	89085031	89085031	+	4.26E-33	3.38649E-31	-0.24799	hypo	sig	chr16_89085031
chr13	26760183	26760183	+	4.269E-33	3.39329E-31	0.208098	hyper	sig	chr13_26760183
chr8	64575700	64575700	+	4.28E-33	3.40125E-31	0.247001	hyper	sig	chr8_64575700
chr15	25863576	25863576	+	4.285E-33	3.40511E-31	0.305853	hyper	sig	chr15_25863576
chr20	24470062	24470062	+	4.291E-33	3.40951E-31	0.274009	hyper	sig	chr20_24470062
chr14	69850131	69850131	+	4.293E-33	3.41054E-31	-0.38529	hypo	sig	chr14_69850131
chr4	8644185	8644185	+	4.294E-33	3.41131E-31	-0.26673	hypo	sig	chr4_8644185
chr7	35185765	35185765	+	4.297E-33	3.41316E-31	0.216061	hyper	sig	chr7_35185765
chr16	67165642	67165642	+	4.302E-33	3.41682E-31	0.303281	hyper	sig	chr16_67165642
chr17	48726979	48726979	+	4.315E-33	3.4265E-31	0.255222	hyper	sig	chr17_48726979
chr17	81322534	81322534	+	4.316E-33	3.42744E-31	-0.25804	hypo	sig	chr17_81322534
chr20	40690595	40690595	+	4.318E-33	3.42809E-31	0.301785	hyper	sig	chr20_40690595
chr7	35257412	35257412	+	4.333E-33	3.43981E-31	0.242798	hyper	sig	chr7_35257412
chr9	98707695	98707695	+	4.336E-33	3.44232E-31	0.218413	hyper	sig	chr9_98707695
chr7	45922275	45922275	+	4.343E-33	3.44728E-31	0.239773	hyper	sig	chr7_45922275
chr10	1.33E+08	132833755	+	4.347E-33	3.44991E-31	-0.29665	hypo	sig	chr10_132833755
chr22	46390935	46390935	+	4.353E-33	3.4548E-31	-0.31721	hypo	sig	chr22_46390935
chr20	41134113	41134113	+	4.374E-33	3.47057E-31	-0.32131	hypo	sig	chr20_41134113
chr4	8559409	8559409	+	4.377E-33	3.47316E-31	-0.29849	hypo	sig	chr4_8559409
chr6	30172393	30172393	+	4.378E-33	3.47334E-31	0.302793	hyper	sig	chr6_30172393
chr14	88326588	88326588	+	4.397E-33	3.4882E-31	0.207535	hyper	sig	chr14_88326588
chr2	1.45E+08	144527944	+	4.406E-33	3.49494E-31	-0.42047	hypo	sig	chr2_144527944
chr17	45897562	45897562	+	4.423E-33	3.50772E-31	0.245754	hyper	sig	chr17_45897562
chr5	77638848	77638848	+	4.423E-33	3.50772E-31	0.280684	hyper	sig	chr5_77638848
chr12	49961527	49961527	+	4.434E-33	3.51573E-31	0.24516	hyper	sig	chr12_49961527
chr1	1.53E+08	152774996	+	4.44E-33	3.52072E-31	-0.32266	hypo	sig	chr1_152774996
chr4	785453	785453	+	4.454E-33	3.53092E-31	0.301708	hyper	sig	chr4_785453
chr10	1.28E+08	127737624	+	4.46E-33	3.53587E-31	0.283172	hyper	sig	chr10_127737624
chr19	58009792	58009792	+	4.47E-33	3.54339E-31	0.227036	hyper	sig	chr19_58009792
chr8	24915755	24915755	+	4.476E-33	3.54774E-31	0.267203	hyper	sig	chr8_24915755
chr1	21608233	21608233	+	4.48E-33	3.55034E-31	-0.35934	hypo	sig	chr1_21608233
chr12	1.33E+08	132904880	+	4.488E-33	3.55668E-31	0.257341	hyper	sig	chr12_132904880
chr6	10390580	10390580	+	4.496E-33	3.56216E-31	0.303158	hyper	sig	chr6_10390580
chr3	13041573	13041573	+	4.51E-33	3.57349E-31	-0.27051	hypo	sig	chr3_13041573
chr5	1.71E+08	171313931	+	4.513E-33	3.57503E-31	0.28789	hyper	sig	chr5_171313931
chr12	80714255	80714255	+	4.529E-33	3.58779E-31	0.283969	hyper	sig	chr12_80714255
chr4	1.11E+08	110629237	+	4.53E-33	3.58781E-31	0.325307	hyper	sig	chr4_110629237
chr7	79454681	79454681	+	4.531E-33	3.58859E-31	0.306739	hyper	sig	chr7_79454681
chr2	2.39E+08	238569885	+	4.54E-33	3.595E-31	-0.25443	hypo	sig	chr2_238569885
chr19	22286731	22286731	+	4.541E-33	3.59555E-31	0.307276	hyper	sig	chr19_22286731
chr12	3493190	3493190	+	4.542E-33	3.59609E-31	0.23433	hyper	sig	chr12_3493190
chr10	1.33E+08	132921119	+	4.55E-33	3.60201E-31	-0.26521	hypo	sig	chr10_132921119
chr6	50836190	50836190	+	4.593E-33	3.63539E-31	0.20074	hyper	sig	chr6_50836190

chr17	82921600	82921600	+	4.594E-33	3.63612E-31	-0.21314	hypo	sig	chr17_82921600
chr2	1.72E+08	172081448	+	4.595E-33	3.63635E-31	0.278008	hyper	sig	chr2_172081448
chr4	89836487	89836487	+	4.597E-33	3.63805E-31	0.300313	hyper	sig	chr4_89836487
chr11	67983621	67983621	+	4.601E-33	3.64081E-31	-0.29025	hypo	sig	chr11_67983621
chr17	36464882	36464882	+	4.605E-33	3.64323E-31	0.356819	hyper	sig	chr17_36464882
chr6	391419	391419	+	4.633E-33	3.66519E-31	0.222499	hyper	sig	chr6_391419
chr5	3606381	3606381	+	4.636E-33	3.6671E-31	0.286689	hyper	sig	chr5_3606381
chr14	47676377	47676377	+	4.64E-33	3.67019E-31	0.331922	hyper	sig	chr14_47676377
chr12	1.14E+08	114409731	+	4.641E-33	3.67066E-31	0.219328	hyper	sig	chr12_114409731
chr12	43552149	43552149	+	4.663E-33	3.68758E-31	0.362179	hyper	sig	chr12_43552149
chr13	1.12E+08	112067395	+	4.68E-33	3.7005E-31	0.230908	hyper	sig	chr13_112067395
chr7	2110373	2110373	+	4.695E-33	3.71144E-31	-0.28276	hypo	sig	chr7_2110373
chr11	64061288	64061288	+	4.695E-33	3.71162E-31	0.253833	hyper	sig	chr11_64061288
chr22	22520195	22520195	+	4.743E-33	3.74901E-31	-0.35885	hypo	sig	chr22_22520195
chr17	83063886	83063886	+	4.775E-33	3.77385E-31	-0.27972	hypo	sig	chr17_83063886
chr19	22286722	22286722	+	4.778E-33	3.77626E-31	0.315759	hyper	sig	chr19_22286722
chr4	1.33E+08	133148170	+	4.801E-33	3.7934E-31	0.264675	hyper	sig	chr4_133148170
chr6	30172368	30172368	+	4.823E-33	3.81041E-31	0.311453	hyper	sig	chr6_30172368
chr7	23710020	23710020	+	4.859E-33	3.83818E-31	-0.28762	hypo	sig	chr7_23710020
chr13	35478848	35478848	+	4.864E-33	3.84206E-31	0.345459	hyper	sig	chr13_35478848
chr10	1.23E+08	123143777	+	4.873E-33	3.84872E-31	0.29846	hyper	sig	chr10_123143777
chr16	88392983	88392983	+	4.89E-33	3.86203E-31	-0.29205	hypo	sig	chr16_88392983
chr8	26048006	26048006	+	4.903E-33	3.87138E-31	0.28425	hyper	sig	chr8_26048006
chr12	72273594	72273594	+	4.904E-33	3.87233E-31	0.274044	hyper	sig	chr12_72273594
chr16	85483856	85483856	+	4.92E-33	3.88441E-31	-0.27597	hypo	sig	chr16_85483856
chr17	78997518	78997518	+	4.931E-33	3.89237E-31	-0.3049	hypo	sig	chr17_78997518
chr5	1446093	1446093	+	4.935E-33	3.89563E-31	0.312395	hyper	sig	chr5_1446093
chr16	67163620	67163620	+	4.957E-33	3.91205E-31	0.359275	hyper	sig	chr16_67163620
chr4	1.76E+08	176001571	+	4.959E-33	3.91354E-31	0.365494	hyper	sig	chr4_176001571
chr16	88938563	88938563	+	4.971E-33	3.92243E-31	-0.22682	hypo	sig	chr16_88938563
chr19	48444372	48444372	+	5.013E-33	3.95516E-31	0.306253	hyper	sig	chr19_48444372
chr16	88316342	88316342	+	5.016E-33	3.95765E-31	-0.2783	hypo	sig	chr16_88316342
chr5	55223133	55223133	+	5.036E-33	3.9728E-31	0.324498	hyper	sig	chr5_55223133
chr5	19988257	19988257	+	5.095E-33	4.01904E-31	0.26879	hyper	sig	chr5_19988257
chr19	23070533	23070533	+	5.096E-33	4.01938E-31	0.252411	hyper	sig	chr19_23070533
chr7	97018555	97018555	+	5.1E-33	4.02207E-31	0.347537	hyper	sig	chr7_97018555
chr8	66963264	66963264	+	5.109E-33	4.0287E-31	0.326562	hyper	sig	chr8_66963264
chr19	49133080	49133080	+	5.111E-33	4.03017E-31	0.370989	hyper	sig	chr19_49133080
chr5	37838377	37838377	+	5.114E-33	4.0321E-31	0.211556	hyper	sig	chr5_37838377
chr15	47184859	47184859	+	5.124E-33	4.03909E-31	0.263079	hyper	sig	chr15_47184859
chr8	52940087	52940087	+	5.128E-33	4.04239E-31	0.323149	hyper	sig	chr8_52940087
chr11	94769453	94769453	+	5.131E-33	4.04388E-31	0.236627	hyper	sig	chr11_94769453
chr8	53251474	53251474	+	5.133E-33	4.04563E-31	0.329546	hyper	sig	chr8_53251474
chr2	9103012	9103012	+	5.134E-33	4.04601E-31	-0.31863	hypo	sig	chr2_9103012
chr2	80322670	80322670	+	5.153E-33	4.06067E-31	0.322634	hyper	sig	chr2_80322670
chr7	1.57E+08	157297460	+	5.159E-33	4.06451E-31	-0.35404	hypo	sig	chr7_157297460
chr2	1.87E+08	186849341	+	5.168E-33	4.07141E-31	0.256797	hyper	sig	chr2_186849341
chr17	34156931	34156931	+	5.176E-33	4.07752E-31	0.238009	hyper	sig	chr17_34156931
chr19	2522365	2522365	+	5.184E-33	4.08325E-31	-0.34184	hypo	sig	chr19_2522365
chr4	1.54E+08	153789389	+	5.195E-33	4.09171E-31	0.235761	hyper	sig	chr4_153789389
chr8	26051697	26051697	+	5.213E-33	4.10486E-31	0.258398	hyper	sig	chr8_26051697
chr14	97219314	97219314	+	5.218E-33	4.10895E-31	0.250192	hyper	sig	chr14_97219314
chr7	2110381	2110381	+	5.258E-33	4.13959E-31	-0.27365	hypo	sig	chr7_2110381
chr3	62373992	62373992	+	5.289E-33	4.1641E-31	0.232979	hyper	sig	chr3_62373992
chr16	51151236	51151236	+	5.297E-33	4.16996E-31	0.360242	hyper	sig	chr16_51151236
chr7	27108594	27108594	+	5.307E-33	4.17727E-31	0.298831	hyper	sig	chr7_27108594

chr6	1594040	1594040	+	5.308E-33	4.17789E-31	-0.32898	hypo	sig	chr6_1594040
chr18	905155	905155	+	5.315E-33	4.18259E-31	0.349182	hyper	sig	chr18_905155
chr8	1.43E+08	142777074	+	5.315E-33	4.18259E-31	0.285829	hyper	sig	chr8_142777074
chr17	48605758	48605758	+	5.32E-33	4.1857E-31	-0.30713	hypo	sig	chr17_48605758
chr3	43998086	43998086	+	5.321E-33	4.18614E-31	0.2387	hyper	sig	chr3_43998086
chr12	49961533	49961533	+	5.325E-33	4.18935E-31	0.243314	hyper	sig	chr12_49961533
chr2	1.15E+08	115163173	+	5.326E-33	4.1895E-31	0.281123	hyper	sig	chr2_115163173
chr1	2378700	2378700	+	5.332E-33	4.19353E-31	-0.26708	hypo	sig	chr1_2378700
chr10	99530513	99530513	+	5.335E-33	4.1953E-31	0.288158	hyper	sig	chr10_99530513
chr2	2.17E+08	216911880	+	5.335E-33	4.1953E-31	-0.33498	hypo	sig	chr2_216911880
chr11	22432896	22432896	+	5.362E-33	4.2157E-31	0.328669	hyper	sig	chr11_22432896
chr1	1.44E+08	143905691	+	5.417E-33	4.25892E-31	0.217646	hyper	sig	chr1_143905691
chr2	1691548	1691548	+	5.437E-33	4.27448E-31	-0.27236	hypo	sig	chr2_1691548
chr6	1E+08	100447821	+	5.45E-33	4.28428E-31	0.237102	hyper	sig	chr6_100447821
chr1	1.19E+08	118983437	+	5.452E-33	4.28476E-31	0.379179	hyper	sig	chr1_118983437
chr18	21243024	21243024	+	5.519E-33	4.3373E-31	0.227024	hyper	sig	chr18_21243024
chr8	71844414	71844414	+	5.539E-33	4.35227E-31	0.314455	hyper	sig	chr8_71844414
chr7	24284221	24284221	+	5.61E-33	4.40793E-31	0.33658	hyper	sig	chr7_24284221
chr10	1.29E+08	128540306	+	5.62E-33	4.41491E-31	0.256941	hyper	sig	chr10_128540306
chr4	1.11E+08	110612361	+	5.623E-33	4.4171E-31	0.280046	hyper	sig	chr4_110612361
chr15	31442059	31442059	+	5.628E-33	4.42048E-31	-0.28269	hypo	sig	chr15_31442059
chr3	15063235	15063235	+	5.629E-33	4.42122E-31	-0.26603	hypo	sig	chr3_15063235
chr17	76000356	76000356	+	5.642E-33	4.43022E-31	-0.31252	hypo	sig	chr17_76000356
chr19	57600370	57600370	+	5.651E-33	4.43705E-31	0.222998	hyper	sig	chr19_57600370
chr5	88889923	88889923	+	5.656E-33	4.44076E-31	0.271465	hyper	sig	chr5_88889923
chr15	25242746	25242746	+	5.659E-33	4.44278E-31	-0.25823	hypo	sig	chr15_25242746
chr13	94705545	94705545	+	5.668E-33	4.44921E-31	0.246851	hyper	sig	chr13_94705545
chr15	70475109	70475109	+	5.668E-33	4.44921E-31	-0.23955	hypo	sig	chr15_70475109
chr17	45897587	45897587	+	5.703E-33	4.47599E-31	0.246214	hyper	sig	chr17_45897587
chr20	63178559	63178559	+	5.73E-33	4.49665E-31	0.223783	hyper	sig	chr20_63178559
chr4	1.11E+08	110633431	+	5.738E-33	4.50218E-31	0.360926	hyper	sig	chr4_110633431
chr2	70889530	70889530	+	5.754E-33	4.51502E-31	0.214472	hyper	sig	chr2_70889530
chr7	923755	923755	+	5.759E-33	4.51792E-31	-0.26033	hypo	sig	chr7_923755
chr6	1.5E+08	149964552	+	5.769E-33	4.52554E-31	0.220817	hyper	sig	chr6_149964552
chr2	2.33E+08	233060003	+	5.779E-33	4.53288E-31	-0.25265	hypo	sig	chr2_233060003
chr1	75135435	75135435	+	5.818E-33	4.563E-31	0.232097	hyper	sig	chr1_75135435
chr16	7304660	7304660	+	5.823E-33	4.56665E-31	0.324439	hyper	sig	chr16_7304660
chr5	1.39E+08	139393573	+	5.838E-33	4.57808E-31	0.234079	hyper	sig	chr5_139393573
chr7	97022807	97022807	+	5.856E-33	4.59077E-31	0.235637	hyper	sig	chr7_97022807
chr13	27923217	27923217	+	5.937E-33	4.65417E-31	0.3078	hyper	sig	chr13_27923217
chr17	74351803	74351803	+	5.973E-33	4.68208E-31	0.359547	hyper	sig	chr17_74351803
chr19	23070568	23070568	+	5.975E-33	4.68285E-31	0.268029	hyper	sig	chr19_23070568
chr1	2923668	2923668	+	5.975E-33	4.6829E-31	-0.27009	hypo	sig	chr1_2923668
chr6	32046523	32046523	+	5.992E-33	4.69556E-31	-0.29304	hypo	sig	chr6_32046523
chr4	1.55E+08	154742983	+	6.007E-33	4.70638E-31	0.304396	hyper	sig	chr4_154742983
chr17	10198286	10198286	+	6.018E-33	4.71513E-31	0.422323	hyper	sig	chr17_10198286
chr17	78569096	78569096	+	6.044E-33	4.73478E-31	-0.3087	hypo	sig	chr17_78569096
chr17	27293603	27293603	+	6.079E-33	4.76166E-31	-0.41306	hypo	sig	chr17_27293603
chr1	90724668	90724668	+	6.099E-33	4.77726E-31	0.278003	hyper	sig	chr1_90724668
chr6	30172190	30172190	+	6.123E-33	4.79534E-31	0.29312	hyper	sig	chr6_30172190
chr14	47676446	47676446	+	6.151E-33	4.81649E-31	0.354849	hyper	sig	chr14_47676446
chr6	30172445	30172445	+	6.175E-33	4.83453E-31	0.309453	hyper	sig	chr6_30172445
chr16	1002552	1002552	+	6.194E-33	4.84911E-31	-0.30059	hypo	sig	chr16_1002552
chr4	4862383	4862383	+	6.202E-33	4.85525E-31	0.286189	hyper	sig	chr4_4862383
chr5	1.16E+08	115961993	+	6.204E-33	4.85565E-31	0.309243	hyper	sig	chr5_115961993
chr14	41608144	41608144	+	6.208E-33	4.85885E-31	0.390561	hyper	sig	chr14_41608144

chr4	1.21E+08	121380553	+	6.268E-33	4.90509E-31	0.31613	hyper	sig	chr4_121380553
chr6	50724445	50724445	+	6.289E-33	4.92102E-31	0.245684	hyper	sig	chr6_50724445
chr2	1.81E+08	181457035	+	6.369E-33	4.98304E-31	0.291988	hyper	sig	chr2_181457035
chr13	25046867	25046867	+	6.388E-33	4.99721E-31	0.292838	hyper	sig	chr13_25046867
chr19	56507479	56507479	+	6.4E-33	5.00587E-31	0.353688	hyper	sig	chr19_56507479
chr6	32058132	32058132	+	6.442E-33	5.0386E-31	-0.23231	hypo	sig	chr6_32058132
chr14	1.04E+08	104422731	+	6.459E-33	5.0515E-31	0.280795	hyper	sig	chr14_104422731
chr17	52159103	52159103	+	6.472E-33	5.06083E-31	0.284423	hyper	sig	chr17_52159103
chr10	1.33E+08	133024481	+	6.477E-33	5.06396E-31	-0.28163	hypo	sig	chr10_133024481
chr12	98895540	98895540	+	6.481E-33	5.06656E-31	0.359507	hyper	sig	chr12_98895540
chr6	1.68E+08	168227772	+	6.526E-33	5.10189E-31	-0.28534	hypo	sig	chr6_168227772
chr7	1.56E+08	155922422	+	6.529E-33	5.10337E-31	-0.29422	hypo	sig	chr7_155922422
chr4	4858355	4858355	+	6.556E-33	5.12422E-31	0.275001	hyper	sig	chr4_4858355
chr12	4909851	4909851	+	6.565E-33	5.13048E-31	0.330081	hyper	sig	chr12_4909851
chr11	31804285	31804285	+	6.573E-33	5.13659E-31	0.224454	hyper	sig	chr11_31804285
chr15	28832241	28832241	+	6.585E-33	5.14563E-31	0.309012	hyper	sig	chr15_28832241
chr1	1.58E+08	158354541	+	6.604E-33	5.15939E-31	-0.25326	hypo	sig	chr1_158354541
chr1	3242548	3242548	+	6.62E-33	5.17134E-31	-0.29029	hypo	sig	chr1_3242548
chr12	1.17E+08	117033898	+	6.626E-33	5.17556E-31	0.299615	hyper	sig	chr12_117033898
chr17	34157021	34157021	+	6.672E-33	5.2115E-31	0.265861	hyper	sig	chr17_34157021
chr5	84646239	84646239	+	6.678E-33	5.21533E-31	-0.25475	hypo	sig	chr5_84646239
chr1	3141670	3141670	+	6.682E-33	5.21839E-31	-0.28917	hypo	sig	chr1_3141670
chr14	77140552	77140552	+	6.689E-33	5.223E-31	0.229618	hyper	sig	chr14_77140552
chr5	88689780	88689780	+	6.691E-33	5.22386E-31	0.281766	hyper	sig	chr5_88689780
chr7	97022795	97022795	+	6.724E-33	5.24902E-31	0.242502	hyper	sig	chr7_97022795
chr10	55628570	55628570	+	6.736E-33	5.25793E-31	0.356515	hyper	sig	chr10_55628570
chr3	1.38E+08	137770925	+	6.779E-33	5.29086E-31	0.257646	hyper	sig	chr3_137770925
chr14	69850255	69850255	+	6.788E-33	5.29744E-31	-0.32943	hypo	sig	chr14_69850255
chr3	1.54E+08	154429096	+	6.79E-33	5.29899E-31	0.285287	hyper	sig	chr3_154429096
chr15	25185784	25185784	+	6.823E-33	5.32371E-31	-0.30996	hypo	sig	chr15_25185784
chr17	35448738	35448738	+	6.838E-33	5.33505E-31	0.318881	hyper	sig	chr17_35448738
chr20	21507545	21507545	+	6.887E-33	5.3731E-31	0.395719	hyper	sig	chr20_21507545
chr7	1.56E+08	155803628	+	6.893E-33	5.3768E-31	0.293126	hyper	sig	chr7_155803628
chr16	1266100	1266100	+	6.895E-33	5.37817E-31	-0.37429	hypo	sig	chr16_1266100
chr11	1.23E+08	122981811	+	6.901E-33	5.38194E-31	0.273955	hyper	sig	chr11_122981811
chr2	11612821	11612821	+	6.903E-33	5.38318E-31	-0.34243	hypo	sig	chr2_11612821
chr5	1876310	1876310	+	6.909E-33	5.38727E-31	0.249763	hyper	sig	chr5_1876310
chr12	1.14E+08	114440740	+	6.93E-33	5.40248E-31	0.254735	hyper	sig	chr12_114440740
chr8	11982255	11982255	+	6.929E-33	5.40248E-31	-0.28849	hypo	sig	chr8_11982255
chr12	1.32E+08	132186990	+	6.94E-33	5.40999E-31	-0.26505	hypo	sig	chr12_132186990
chr5	77638865	77638865	+	6.97E-33	5.4331E-31	0.248872	hyper	sig	chr5_77638865
chr17	66977823	66977823	+	6.987E-33	5.44603E-31	-0.27461	hypo	sig	chr17_66977823
chr21	43940911	43940911	+	7.011E-33	5.46426E-31	0.284615	hyper	sig	chr21_43940911
chr9	19788319	19788319	+	7.023E-33	5.47244E-31	0.268217	hyper	sig	chr9_19788319
chr1	20473441	20473441	+	7.038E-33	5.48388E-31	0.286346	hyper	sig	chr1_20473441
chr11	22432995	22432995	+	7.054E-33	5.49572E-31	0.290734	hyper	sig	chr11_22432995
chr20	24470125	24470125	+	7.123E-33	5.5488E-31	0.357639	hyper	sig	chr20_24470125
chr5	1.14E+08	114055925	+	7.132E-33	5.5555E-31	0.299066	hyper	sig	chr5_114055925
chr2	1E+08	100391723	+	7.171E-33	5.58408E-31	-0.29093	hypo	sig	chr2_100391723
chr13	1.1E+08	110448421	+	7.185E-33	5.59348E-31	-0.29264	hypo	sig	chr13_110448421
chr14	28778392	28778392	+	7.184E-33	5.59348E-31	0.288466	hyper	sig	chr14_28778392
chr12	8647245	8647245	+	7.196E-33	5.60147E-31	-0.3456	hypo	sig	chr12_8647245
chr5	1.73E+08	173245700	+	7.196E-33	5.60147E-31	0.267432	hyper	sig	chr5_173245700
chr3	1.51E+08	150520518	+	7.201E-33	5.60442E-31	-0.38572	hypo	sig	chr3_150520518
chr18	11752497	11752497	+	7.213E-33	5.61296E-31	0.304883	hyper	sig	chr18_11752497
chr11	1.19E+08	118887894	+	7.291E-33	5.67321E-31	-0.26776	hypo	sig	chr11_118887894

chr17	78577417	78577417	+	7.293E-33	5.6746E-31	-0.29404	hypo	sig	chr17_78577417
chr9	96022551	96022551	+	7.296E-33	5.67584E-31	0.269921	hyper	sig	chr9_96022551
chr12	54014863	54014863	+	7.301E-33	5.67936E-31	0.367234	hyper	sig	chr12_54014863
chr14	26598911	26598911	+	7.301E-33	5.67936E-31	0.290658	hyper	sig	chr14_26598911
chr14	60510661	60510661	+	7.345E-33	5.71295E-31	0.272172	hyper	sig	chr14_60510661
chr19	33684552	33684552	+	7.376E-33	5.7353E-31	0.227893	hyper	sig	chr19_33684552
chr7	1235624	1235624	+	7.431E-33	5.77754E-31	0.257904	hyper	sig	chr7_1235624
chr16	62036342	62036342	+	7.446E-33	5.78939E-31	0.272602	hyper	sig	chr16_62036342
chr16	85622549	85622549	+	7.468E-33	5.80571E-31	-0.22031	hypo	sig	chr16_85622549
chr5	1.41E+08	141403121	+	7.474E-33	5.80958E-31	0.303042	hyper	sig	chr5_141403121
chr5	1.43E+08	143405671	+	7.501E-33	5.83045E-31	0.206466	hyper	sig	chr5_143405671
chr19	12156649	12156649	+	7.504E-33	5.83184E-31	0.241543	hyper	sig	chr19_12156649
chr20	64053189	64053189	+	7.512E-33	5.83745E-31	-0.38003	hypo	sig	chr20_64053189
chr3	1.88E+08	187670297	+	7.523E-33	5.84535E-31	0.280127	hyper	sig	chr3_187670297
chr2	1.37E+08	136764784	+	7.553E-33	5.86823E-31	0.232291	hyper	sig	chr2_136764784
chr17	82710869	82710869	+	7.579E-33	5.88782E-31	-0.31321	hypo	sig	chr17_82710869
chr1	3021701	3021701	+	7.631E-33	5.92772E-31	-0.27227	hypo	sig	chr1_3021701
chr10	1.05E+08	104641553	+	7.644E-33	5.9376E-31	0.330188	hyper	sig	chr10_104641553
chr7	194863	194863	+	7.649E-33	5.9404E-31	0.232787	hyper	sig	chr7_194863
chr2	1.63E+08	162838692	+	7.66E-33	5.9488E-31	0.34955	hyper	sig	chr2_162838692
chr1	3593997	3593997	+	7.702E-33	5.98034E-31	-0.31168	hypo	sig	chr1_3593997
chr13	20946273	20946273	+	7.725E-33	5.99776E-31	0.33564	hyper	sig	chr13_20946273
chr22	42947000	42947000	+	7.737E-33	6.00658E-31	-0.26088	hypo	sig	chr22_42947000
chr5	88695413	88695413	+	7.738E-33	6.00679E-31	0.307487	hyper	sig	chr5_88695413
chr2	74499765	74499765	+	7.739E-33	6.00712E-31	0.31001	hyper	sig	chr2_74499765
chr11	1048595	1048595	+	7.79E-33	6.04605E-31	-0.26502	hypo	sig	chr11_1048595
chr8	64575730	64575730	+	7.82E-33	6.06877E-31	0.244645	hyper	sig	chr8_64575730
chr4	1.72E+08	171813304	+	7.85E-33	6.09171E-31	0.356829	hyper	sig	chr4_171813304
chr1	2180561	2180561	+	7.913E-33	6.13979E-31	0.243032	hyper	sig	chr1_2180561
chr8	84182576	84182576	+	7.934E-33	6.15517E-31	0.282468	hyper	sig	chr8_84182576
chr4	1.11E+08	110618311	+	7.944E-33	6.16267E-31	0.250021	hyper	sig	chr4_110618311
chr4	1728232	1728232	+	7.949E-33	6.16591E-31	-0.22483	hypo	sig	chr4_1728232
chr9	3181042	3181042	+	7.961E-33	6.175E-31	0.276157	hyper	sig	chr9_3181042
chr7	32070556	32070556	+	7.983E-33	6.19118E-31	0.277557	hyper	sig	chr7_32070556
chr9	1.35E+08	134826968	+	7.99E-33	6.19566E-31	-0.28268	hypo	sig	chr9_134826968
chr16	89248027	89248027	+	8.011E-33	6.21145E-31	0.34596	hyper	sig	chr16_89248027
chr11	32428997	32428997	+	8.018E-33	6.21669E-31	0.287627	hyper	sig	chr11_32428997
chr1	78491562	78491562	+	8.031E-33	6.2262E-31	0.289263	hyper	sig	chr1_78491562
chr5	1.41E+08	141234370	+	8.048E-33	6.23843E-31	0.312178	hyper	sig	chr5_141234370
chr2	68320928	68320928	+	8.092E-33	6.27121E-31	-0.33741	hypo	sig	chr2_68320928
chr6	50849687	50849687	+	8.092E-33	6.27121E-31	0.258046	hyper	sig	chr6_50849687
chr20	46017709	46017709	+	8.097E-33	6.27414E-31	-0.35742	hypo	sig	chr20_46017709
chr5	1931466	1931466	+	8.115E-33	6.2878E-31	0.230271	hyper	sig	chr5_1931466
chr13	87674447	87674447	+	8.188E-33	6.34351E-31	0.242759	hyper	sig	chr13_87674447
chr8	24914744	24914744	+	8.194E-33	6.34738E-31	0.267591	hyper	sig	chr8_24914744
chr10	3287603	3287603	+	8.222E-33	6.36871E-31	-0.29394	hypo	sig	chr10_3287603
chr1	6088987	6088987	+	8.226E-33	6.37135E-31	-0.27997	hypo	sig	chr1_6088987
chr2	1.13E+08	113275948	+	8.232E-33	6.3746E-31	0.287455	hyper	sig	chr2_113275948
chr8	66962136	66962136	+	8.232E-33	6.3746E-31	0.240356	hyper	sig	chr8_66962136
chr20	63120568	63120568	+	8.255E-33	6.39193E-31	-0.3302	hypo	sig	chr20_63120568
chr16	1346345	1346345	+	8.28E-33	6.41072E-31	-0.25054	hypo	sig	chr16_1346345
chr20	21704834	21704834	+	8.283E-33	6.41216E-31	0.329898	hyper	sig	chr20_21704834
chr12	1.04E+08	104303641	+	8.355E-33	6.46699E-31	0.264119	hyper	sig	chr12_104303641
chr4	1.07E+08	107037301	+	8.359E-33	6.46968E-31	0.270755	hyper	sig	chr4_107037301
chr6	28490134	28490134	+	8.373E-33	6.48014E-31	0.253474	hyper	sig	chr6_28490134
chr14	47675888	47675888	+	8.402E-33	6.50118E-31	0.364381	hyper	sig	chr14_47675888

chr16	89916029	89916029	+	8.41E-33	6.50661E-31	-0.27302	hypo	sig	chr16_89916029
chr3	1.25E+08	125141840	+	8.433E-33	6.52368E-31	0.406924	hyper	sig	chr3_125141840
chr5	45695781	45695781	+	8.438E-33	6.5274E-31	0.249579	hyper	sig	chr5_45695781
chr7	8444060	8444060	+	8.56E-33	6.62004E-31	0.320406	hyper	sig	chr7_8444060
chr5	33936329	33936329	+	8.591E-33	6.64365E-31	0.301568	hyper	sig	chr5_33936329
chr16	51151623	51151623	+	8.604E-33	6.65323E-31	0.331978	hyper	sig	chr16_51151623
chr17	46819557	46819557	+	8.664E-33	6.69904E-31	0.224583	hyper	sig	chr17_46819557
chr13	37869915	37869915	+	8.762E-33	6.77359E-31	0.283502	hyper	sig	chr13_37869915
chr13	36430600	36430600	+	8.822E-33	6.81935E-31	0.306705	hyper	sig	chr13_36430600
chr12	1.3E+08	130042242	+	8.827E-33	6.82188E-31	0.266108	hyper	sig	chr12_130042242
chr5	1.41E+08	141370171	+	8.826E-33	6.82188E-31	0.258811	hyper	sig	chr5_141370171
chr1	20553095	20553095	+	8.83E-33	6.82416E-31	0.283888	hyper	sig	chr1_20553095
chr18	57436910	57436910	+	8.848E-33	6.83731E-31	0.252492	hyper	sig	chr18_57436910
chr22	48581630	48581630	+	8.932E-33	6.90102E-31	-0.24957	hypo	sig	chr22_48581630
chr1	1.14E+08	114154176	+	8.936E-33	6.9033E-31	0.244466	hyper	sig	chr1_114154176
chr10	1.01E+08	101134261	+	9.053E-33	6.99259E-31	0.284088	hyper	sig	chr10_101134261
chr13	78596852	78596852	+	9.115E-33	7.04019E-31	0.250964	hyper	sig	chr13_78596852
chr21	36697650	36697650	+	9.12E-33	7.04335E-31	0.240087	hyper	sig	chr21_36697650
chr3	1.38E+08	137761354	+	9.135E-33	7.05416E-31	0.249401	hyper	sig	chr3_137761354
chr2	1.75E+08	174730195	+	9.148E-33	7.06368E-31	0.2496	hyper	sig	chr2_174730195
chr14	97219525	97219525	+	9.151E-33	7.06539E-31	0.299759	hyper	sig	chr14_97219525
chr8	55939667	55939667	+	9.154E-33	7.06707E-31	0.286986	hyper	sig	chr8_55939667
chr2	2.4E+08	240140776	+	9.202E-33	7.10273E-31	-0.25133	hypo	sig	chr2_240140776
chr1	38134512	38134512	+	9.227E-33	7.12145E-31	0.237964	hyper	sig	chr1_38134512
chr21	26967880	26967880	+	9.253E-33	7.14036E-31	0.301934	hyper	sig	chr21_26967880
chr6	401464	401464	+	9.263E-33	7.14787E-31	-0.25711	hypo	sig	chr6_401464
chr8	64379785	64379785	+	9.278E-33	7.15822E-31	0.238925	hyper	sig	chr8_64379785
chr1	57422947	57422947	+	9.302E-33	7.17667E-31	0.23125	hyper	sig	chr1_57422947
chr11	31805026	31805026	+	9.316E-33	7.18574E-31	0.287968	hyper	sig	chr11_31805026
chr5	3116650	3116650	+	9.324E-33	7.19089E-31	0.240397	hyper	sig	chr5_3116650
chr1	1.45E+08	144567515	+	9.33E-33	7.19513E-31	0.288739	hyper	sig	chr1_144567515
chr1	20553142	20553142	+	9.364E-33	7.22094E-31	0.307837	hyper	sig	chr1_20553142
chr19	23070514	23070514	+	9.4E-33	7.24755E-31	0.244622	hyper	sig	chr19_23070514
chr1	1.21E+08	121116948	+	9.404E-33	7.25005E-31	0.342637	hyper	sig	chr1_121116948
chr17	76000353	76000353	+	9.432E-33	7.27016E-31	-0.30835	hypo	sig	chr17_76000353
chr16	89916137	89916137	+	9.497E-33	7.31991E-31	-0.31306	hypo	sig	chr16_89916137
chr7	19118495	19118495	+	9.597E-33	7.39504E-31	0.273658	hyper	sig	chr7_19118495
chr8	49911793	49911793	+	9.597E-33	7.39504E-31	0.315469	hyper	sig	chr8_49911793
chr22	39374507	39374507	+	9.659E-33	7.44216E-31	-0.29611	hypo	sig	chr22_39374507
chr14	85531392	85531392	+	9.696E-33	7.46933E-31	0.358886	hyper	sig	chr14_85531392
chr16	62036333	62036333	+	9.706E-33	7.47623E-31	0.273111	hyper	sig	chr16_62036333
chr10	1.3E+08	129969725	+	9.711E-33	7.47948E-31	0.247865	hyper	sig	chr10_129969725
chr12	72273625	72273625	+	9.716E-33	7.48251E-31	0.27606	hyper	sig	chr12_72273625
chr8	84183088	84183088	+	9.722E-33	7.48679E-31	0.319741	hyper	sig	chr8_84183088
chr8	1.03E+08	102738778	+	9.726E-33	7.48948E-31	-0.25543	hypo	sig	chr8_102738778
chr14	26598929	26598929	+	9.761E-33	7.51544E-31	0.27214	hyper	sig	chr14_26598929
chr7	1.5E+08	149877978	+	9.8E-33	7.54452E-31	-0.37834	hypo	sig	chr7_149877978
chr4	1.07E+08	107036183	+	9.811E-33	7.55216E-31	0.211753	hyper	sig	chr4_107036183
chr2	1.19E+08	118857455	+	9.812E-33	7.55245E-31	0.284289	hyper	sig	chr2_118857455
chr2	1.75E+08	174730122	+	9.821E-33	7.5591E-31	0.296591	hyper	sig	chr2_174730122
chr1	3417537	3417537	+	9.889E-33	7.61048E-31	-0.25346	hypo	sig	chr1_3417537
chr2	1.31E+08	130964145	+	9.909E-33	7.62521E-31	0.200456	hyper	sig	chr2_130964145
chr1	1.12E+08	111743357	+	9.926E-33	7.63767E-31	-0.29378	hypo	sig	chr1_111743357
chr6	30172357	30172357	+	9.932E-33	7.6411E-31	0.313416	hyper	sig	chr6_30172357
chr2	1.19E+08	118856948	+	9.937E-33	7.6445E-31	0.243462	hyper	sig	chr2_118856948
chr17	16690351	16690351	+	9.976E-33	7.67337E-31	0.251729	hyper	sig	chr17_16690351

chr13	36154855	36154855	+	1.002E-32	7.70397E-31	0.322466	hyper	sig	chr13_36154855
chr11	59062870	59062870	+	1.005E-32	7.72535E-31	0.256568	hyper	sig	chr11_59062870
chr1	3242542	3242542	+	1.006E-32	7.73608E-31	-0.292	hypo	sig	chr1_3242542
chr4	1.21E+08	121380443	+	1.006E-32	7.73768E-31	0.316633	hyper	sig	chr4_121380443
chr3	1.47E+08	147392591	+	1.009E-32	7.75555E-31	0.331776	hyper	sig	chr3_147392591
chr6	30172371	30172371	+	1.009E-32	7.75555E-31	0.310811	hyper	sig	chr6_30172371
chr3	49686169	49686169	+	1.012E-32	7.77617E-31	0.249436	hyper	sig	chr3_49686169
chr17	82311235	82311235	+	1.014E-32	7.79132E-31	-0.35219	hypo	sig	chr17_82311235
chr4	1349050	1349050	+	1.014E-32	7.79132E-31	-0.27624	hypo	sig	chr4_1349050
chr21	33027033	33027033	+	1.022E-32	7.85262E-31	0.253337	hyper	sig	chr21_33027033
chr16	89817629	89817629	+	1.027E-32	7.88996E-31	-0.26418	hypo	sig	chr16_89817629
chr22	16602573	16602573	+	1.027E-32	7.88996E-31	0.275329	hyper	sig	chr22_16602573
chr3	1.72E+08	172449655	+	1.028E-32	7.89255E-31	0.310642	hyper	sig	chr3_172449655
chr5	1.41E+08	141430693	+	1.031E-32	7.91523E-31	0.258687	hyper	sig	chr5_141430693
chr6	32056107	32056107	+	1.031E-32	7.92024E-31	-0.32347	hypo	sig	chr6_32056107
chr19	40224538	40224538	+	1.032E-32	7.92583E-31	-0.38005	hypo	sig	chr19_40224538
chr11	31799110	31799110	+	1.038E-32	7.97196E-31	0.255565	hyper	sig	chr11_31799110
chr1	1.19E+08	119007850	+	1.039E-32	7.97525E-31	0.276356	hyper	sig	chr1_119007850
chr18	46760214	46760214	+	1.04E-32	7.98612E-31	-0.32325	hypo	sig	chr18_46760214
chr16	3183890	3183890	+	1.041E-32	7.98971E-31	0.245145	hyper	sig	chr16_3183890
chr1	1.14E+08	114154384	+	1.043E-32	8.0052E-31	0.228787	hyper	sig	chr1_114154384
chr10	1.16E+08	116271744	+	1.045E-32	8.01961E-31	0.334965	hyper	sig	chr10_116271744
chr12	4909639	4909639	+	1.045E-32	8.02156E-31	0.264253	hyper	sig	chr12_4909639
chr5	1.41E+08	141478141	+	1.045E-32	8.02156E-31	0.324991	hyper	sig	chr5_141478141
chr2	1.3E+08	129979706	+	1.047E-32	8.03019E-31	0.232158	hyper	sig	chr2_129979706
chr12	1.15E+08	114735917	+	1.047E-32	8.03399E-31	0.329504	hyper	sig	chr12_114735917
chr13	35475272	35475272	+	1.049E-32	8.04667E-31	0.285503	hyper	sig	chr13_35475272
chr15	93037073	93037073	+	1.05E-32	8.05461E-31	-0.24552	hypo	sig	chr15_93037073
chr18	21243007	21243007	+	1.052E-32	8.06896E-31	0.244603	hyper	sig	chr18_21243007
chr18	47248605	47248605	+	1.052E-32	8.06937E-31	0.269447	hyper	sig	chr18_47248605
chr12	1.03E+08	103495925	+	1.053E-32	8.07297E-31	0.240752	hyper	sig	chr12_103495925
chr17	82342477	82342477	+	1.057E-32	8.10294E-31	-0.38135	hypo	sig	chr17_82342477
chr2	1.81E+08	181457059	+	1.06E-32	8.12765E-31	0.276692	hyper	sig	chr2_181457059
chr4	5708225	5708225	+	1.06E-32	8.12765E-31	0.35748	hyper	sig	chr4_5708225
chr14	26597452	26597452	+	1.062E-32	8.1392E-31	0.293862	hyper	sig	chr14_26597452
chr13	36345818	36345818	+	1.062E-32	8.14015E-31	0.337736	hyper	sig	chr13_36345818
chr4	1.76E+08	176065864	+	1.063E-32	8.14389E-31	0.25583	hyper	sig	chr4_176065864
chr1	44407981	44407981	+	1.065E-32	8.16185E-31	0.298793	hyper	sig	chr1_44407981
chr12	24903097	24903097	+	1.066E-32	8.16907E-31	0.28812	hyper	sig	chr12_24903097
chr2	2.32E+08	231927100	+	1.07E-32	8.19728E-31	0.23012	hyper	sig	chr2_231927100
chr5	1.81E+08	181173952	+	1.072E-32	8.20807E-31	0.232004	hyper	sig	chr5_181173952
chr12	1.03E+08	102824825	+	1.072E-32	8.21129E-31	0.328599	hyper	sig	chr12_102824825
chr9	19788272	19788272	+	1.072E-32	8.21308E-31	0.294184	hyper	sig	chr9_19788272
chr1	1.44E+08	143661945	+	1.082E-32	8.28899E-31	0.281167	hyper	sig	chr1_143661945
chr3	1.72E+08	172449685	+	1.09E-32	8.34318E-31	0.277025	hyper	sig	chr3_172449685
chr6	50843196	50843196	+	1.09E-32	8.34678E-31	0.288859	hyper	sig	chr6_50843196
chr10	1.01E+08	101228557	+	1.091E-32	8.35003E-31	0.220613	hyper	sig	chr10_101228557
chr1	6466115	6466115	+	1.097E-32	8.40139E-31	0.285274	hyper	sig	chr1_6466115
chr7	1.01E+08	100865737	+	1.1E-32	8.41916E-31	-0.37061	hypo	sig	chr7_100865737
chr17	7420366	7420366	+	1.101E-32	8.42572E-31	-0.25409	hypo	sig	chr17_7420366
chr5	1.71E+08	171308188	+	1.101E-32	8.42946E-31	0.248108	hyper	sig	chr5_171308188
chr8	66961932	66961932	+	1.102E-32	8.43143E-31	0.371348	hyper	sig	chr8_66961932
chr1	1.19E+08	118989477	+	1.11E-32	8.49345E-31	0.254669	hyper	sig	chr1_118989477
chr6	31776104	31776104	+	1.118E-32	8.55131E-31	-0.25532	hypo	sig	chr6_31776104
chr3	1.2E+08	119810333	+	1.121E-32	8.57355E-31	0.251989	hyper	sig	chr3_119810333
chr7	23247788	23247788	+	1.121E-32	8.57512E-31	0.246564	hyper	sig	chr7_23247788

chr19	3785867	3785867	+	1.126E-32	8.61441E-31	0.27218	hyper	sig	chr19_3785867
chr6	36270387	36270387	+	1.13E-32	8.64383E-31	-0.27891	hypo	sig	chr6_36270387
chr16	88818428	88818428	+	1.137E-32	8.69369E-31	-0.29613	hypo	sig	chr16_88818428
chr5	88673023	88673023	+	1.139E-32	8.70706E-31	0.282473	hyper	sig	chr5_88673023
chr5	1.29E+08	128965633	+	1.14E-32	8.71228E-31	0.30966	hyper	sig	chr5_128965633
chr17	50572009	50572009	+	1.141E-32	8.72313E-31	-0.22758	hypo	sig	chr17_50572009
chr3	1.47E+08	147391107	+	1.145E-32	8.74832E-31	0.241622	hyper	sig	chr3_147391107
chr1	6071924	6071924	+	1.145E-32	8.75144E-31	-0.21149	hypo	sig	chr1_6071924
chr17	82921563	82921563	+	1.149E-32	8.7838E-31	-0.20931	hypo	sig	chr17_82921563
chr6	32058109	32058109	+	1.155E-32	8.82546E-31	-0.26122	hypo	sig	chr6_32058109
chr1	2E+08	200036138	+	1.163E-32	8.88317E-31	0.345616	hyper	sig	chr1_200036138
chr5	50969771	50969771	+	1.166E-32	8.91116E-31	0.229418	hyper	sig	chr5_50969771
chr3	12987132	12987132	+	1.168E-32	8.91924E-31	-0.23624	hypo	sig	chr3_12987132
chr4	1.11E+08	110631180	+	1.169E-32	8.92735E-31	0.245557	hyper	sig	chr4_110631180
chr3	1.58E+08	158095574	+	1.177E-32	8.99121E-31	0.288075	hyper	sig	chr3_158095574
chr4	1.54E+08	154333345	+	1.18E-32	9.01377E-31	0.21676	hyper	sig	chr4_154333345
chr8	1.24E+08	123539962	+	1.18E-32	9.01377E-31	-0.40402	hypo	sig	chr8_123539962
chr2	1.82E+08	181684377	+	1.184E-32	9.0415E-31	0.240984	hyper	sig	chr2_181684377
chr11	2140693	2140693	+	1.185E-32	9.05094E-31	0.258609	hyper	sig	chr11_2140693
chr20	21517475	21517475	+	1.186E-32	9.05166E-31	0.338581	hyper	sig	chr20_21517475
chr21	26967840	26967840	+	1.188E-32	9.06928E-31	0.282394	hyper	sig	chr21_26967840
chr14	37602080	37602080	+	1.19E-32	9.08237E-31	0.256571	hyper	sig	chr14_37602080
chr17	3947027	3947027	+	1.19E-32	9.08449E-31	-0.2481	hypo	sig	chr17_3947027
chr8	22690175	22690175	+	1.193E-32	9.10591E-31	0.260102	hyper	sig	chr8_22690175
chr11	65557687	65557687	+	1.194E-32	9.1074E-31	0.252865	hyper	sig	chr11_65557687
chr5	481525	481525	+	1.195E-32	9.11529E-31	-0.27196	hypo	sig	chr5_481525
chr14	96592458	96592458	+	1.195E-32	9.11969E-31	0.255138	hyper	sig	chr14_96592458
chr16	2284303	2284303	+	1.206E-32	9.19823E-31	-0.2849	hypo	sig	chr16_2284303
chr7	1.55E+08	154875889	+	1.211E-32	9.23849E-31	-0.28525	hypo	sig	chr7_154875889
chr3	1.51E+08	150520520	+	1.216E-32	9.27183E-31	-0.3921	hypo	sig	chr3_150520520
chr3	1.47E+08	147380758	+	1.22E-32	9.30439E-31	0.235935	hyper	sig	chr3_147380758
chr2	50347439	50347439	+	1.224E-32	9.33016E-31	0.285458	hyper	sig	chr2_50347439
chr9	1.37E+08	137031275	+	1.23E-32	9.37676E-31	-0.27023	hypo	sig	chr9_137031275
chr7	2928371	2928371	+	1.23E-32	9.37743E-31	-0.25683	hypo	sig	chr7_2928371
chr1	1.8E+08	179744061	+	1.231E-32	9.37972E-31	0.294959	hyper	sig	chr1_179744061
chr4	1.85E+08	185020894	+	1.235E-32	9.41412E-31	0.315242	hyper	sig	chr4_185020894
chr2	1E+08	100322596	+	1.236E-32	9.41524E-31	0.269978	hyper	sig	chr2_100322596
chr5	1.73E+08	173245738	+	1.237E-32	9.42285E-31	0.200706	hyper	sig	chr5_173245738
chr6	10882741	10882741	+	1.245E-32	9.48328E-31	0.285721	hyper	sig	chr6_10882741
chr8	68330786	68330786	+	1.245E-32	9.48459E-31	0.328415	hyper	sig	chr8_68330786
chr1	47439798	47439798	+	1.246E-32	9.48992E-31	0.282115	hyper	sig	chr1_47439798
chr6	1.66E+08	165848409	+	1.252E-32	9.53457E-31	-0.32502	hypo	sig	chr6_165848409
chr1	2.48E+08	247937170	+	1.256E-32	9.56618E-31	0.257935	hyper	sig	chr1_247937170
chr7	923744	923744	+	1.259E-32	9.58831E-31	-0.2405	hypo	sig	chr7_923744
chr4	1.33E+08	133151082	+	1.267E-32	9.64721E-31	0.29689	hyper	sig	chr4_133151082
chr3	1.38E+08	137762011	+	1.27E-32	9.67039E-31	0.307729	hyper	sig	chr3_137762011
chr7	73704384	73704384	+	1.281E-32	9.74844E-31	-0.30889	hypo	sig	chr7_73704384
chr10	1.16E+08	116272093	+	1.292E-32	9.8344E-31	0.258394	hyper	sig	chr10_116272093
chr1	2.21E+08	220882291	+	1.295E-32	9.85353E-31	0.249254	hyper	sig	chr1_220882291
chr19	49133358	49133358	+	1.297E-32	9.87265E-31	0.320925	hyper	sig	chr19_49133358
chr5	1.35E+08	135038773	+	1.298E-32	9.87362E-31	0.259505	hyper	sig	chr5_135038773
chr8	71842327	71842327	+	1.301E-32	9.901E-31	0.331886	hyper	sig	chr8_71842327
chr7	49776096	49776096	+	1.302E-32	9.90598E-31	0.238286	hyper	sig	chr7_49776096
chr5	1.14E+08	114056016	+	1.303E-32	9.91048E-31	0.248644	hyper	sig	chr5_114056016
chr1	1.22E+08	121519726	+	1.309E-32	9.95777E-31	0.343523	hyper	sig	chr1_121519726
chr12	1.24E+08	123931595	+	1.317E-32	1.00169E-30	-0.26056	hypo	sig	chr12_123931595

chr18	57441259	57441259	+	1.32E-32	1.00363E-30	0.202628	hyper	sig	chr18_57441259
chr14	1.04E+08	104159045	+	1.324E-32	1.00701E-30	-0.29295	hypo	sig	chr14_104159045
chr1	37033101	37033101	+	1.326E-32	1.00782E-30	0.234349	hyper	sig	chr1_37033101
chr11	1.23E+08	122979837	+	1.327E-32	1.00854E-30	0.261062	hyper	sig	chr11_122979837
chr17	6713704	6713704	+	1.328E-32	1.00975E-30	0.338744	hyper	sig	chr17_6713704
chr3	1.47E+08	147394356	+	1.333E-32	1.01291E-30	0.274584	hyper	sig	chr3_147394356
chr5	95495	95495	+	1.333E-32	1.01291E-30	-0.32456	hypo	sig	chr5_95495
chr6	1595340	1595340	+	1.335E-32	1.01415E-30	-0.25932	hypo	sig	chr6_1595340
chr16	85643186	85643186	+	1.348E-32	1.02394E-30	-0.32769	hypo	sig	chr16_85643186
chr10	22345180	22345180	+	1.354E-32	1.02898E-30	0.238664	hyper	sig	chr10_22345180
chr17	78571430	78571430	+	1.359E-32	1.03271E-30	-0.25691	hypo	sig	chr17_78571430
chr12	1.32E+08	132475635	+	1.361E-32	1.03382E-30	-0.32729	hypo	sig	chr12_132475635
chr5	88672283	88672283	+	1.362E-32	1.03441E-30	0.228661	hyper	sig	chr5_88672283
chr16	55656542	55656542	+	1.364E-32	1.03626E-30	0.275892	hyper	sig	chr16_55656542
chr4	17781733	17781733	+	1.366E-32	1.03738E-30	0.301295	hyper	sig	chr4_17781733
chr6	32075899	32075899	+	1.367E-32	1.03778E-30	-0.2956	hypo	sig	chr6_32075899
chr2	2.06E+08	206274432	+	1.369E-32	1.03931E-30	0.244253	hyper	sig	chr2_206274432
chr12	54014662	54014662	+	1.373E-32	1.04239E-30	0.287797	hyper	sig	chr12_54014662
chr17	42686951	42686951	+	1.375E-32	1.04371E-30	0.248389	hyper	sig	chr17_42686951
chr1	50416228	50416228	+	1.382E-32	1.04885E-30	0.268579	hyper	sig	chr1_50416228
chr5	77639133	77639133	+	1.382E-32	1.04885E-30	0.33315	hyper	sig	chr5_77639133
chr12	4809800	4809800	+	1.383E-32	1.04929E-30	0.23256	hyper	sig	chr12_4809800
chr6	98835936	98835936	+	1.405E-32	1.06642E-30	0.238152	hyper	sig	chr6_98835936
chr17	81461160	81461160	+	1.414E-32	1.07308E-30	-0.2887	hypo	sig	chr17_81461160
chr4	1.25E+08	125317695	+	1.414E-32	1.07308E-30	0.261543	hyper	sig	chr4_125317695
chr19	23070469	23070469	+	1.415E-32	1.07312E-30	0.266899	hyper	sig	chr19_23070469
chr3	1.8E+08	180036745	+	1.421E-32	1.07777E-30	0.249208	hyper	sig	chr3_180036745
chr2	1.01E+08	100817620	+	1.422E-32	1.07848E-30	-0.30799	hypo	sig	chr2_100817620
chr11	71615607	71615607	+	1.425E-32	1.08062E-30	-0.36013	hypo	sig	chr11_71615607
chr7	1.5E+08	150047457	+	1.427E-32	1.08239E-30	0.29503	hyper	sig	chr7_150047457
chr12	52007756	52007756	+	1.433E-32	1.08659E-30	0.258491	hyper	sig	chr12_52007756
chr16	51113587	51113587	+	1.436E-32	1.08915E-30	0.225694	hyper	sig	chr16_51113587
chr15	89371824	89371824	+	1.438E-32	1.09E-30	0.245229	hyper	sig	chr15_89371824
chr1	1.07E+08	107140176	+	1.44E-32	1.09137E-30	0.224082	hyper	sig	chr1_107140176
chr17	78862187	78862187	+	1.444E-32	1.09456E-30	-0.35415	hypo	sig	chr17_78862187
chr8	23702496	23702496	+	1.448E-32	1.09729E-30	0.250641	hyper	sig	chr8_23702496
chr10	1.28E+08	128214884	+	1.45E-32	1.09884E-30	-0.31571	hypo	sig	chr10_128214884
chr13	37869012	37869012	+	1.453E-32	1.10098E-30	0.30448	hyper	sig	chr13_37869012
chr1	3651314	3651314	+	1.458E-32	1.10492E-30	0.259585	hyper	sig	chr1_3651314
chr20	21517707	21517707	+	1.458E-32	1.10503E-30	0.406556	hyper	sig	chr20_21517707
chr3	1.39E+08	138960724	+	1.46E-32	1.10586E-30	0.249049	hyper	sig	chr3_138960724
chr20	4721892	4721892	+	1.465E-32	1.10994E-30	-0.31053	hypo	sig	chr20_4721892
chr16	1549226	1549226	+	1.466E-32	1.11036E-30	-0.26626	hypo	sig	chr16_1549226
chr7	1.59E+08	159093397	+	1.467E-32	1.11107E-30	-0.27821	hypo	sig	chr7_159093397
chr14	36504018	36504018	+	1.468E-32	1.11181E-30	0.240426	hyper	sig	chr14_36504018
chr5	1.41E+08	141476986	+	1.471E-32	1.11388E-30	0.300497	hyper	sig	chr5_141476986
chr19	56393470	56393470	+	1.472E-32	1.11486E-30	0.242759	hyper	sig	chr19_56393470
chr19	403856	403856	+	1.476E-32	1.11778E-30	-0.27533	hypo	sig	chr19_403856
chr16	86511129	86511129	+	1.484E-32	1.12305E-30	0.205601	hyper	sig	chr16_86511129
chr21	46296645	46296645	+	1.485E-32	1.12432E-30	0.310373	hyper	sig	chr21_46296645
chr10	7412589	7412589	+	1.491E-32	1.12853E-30	0.341126	hyper	sig	chr10_7412589
chr3	1.47E+08	147392442	+	1.498E-32	1.13335E-30	0.325813	hyper	sig	chr3_147392442
chr2	2.41E+08	240672583	+	1.501E-32	1.13573E-30	0.248755	hyper	sig	chr2_240672583
chr15	89783597	89783597	+	1.502E-32	1.13643E-30	-0.33165	hypo	sig	chr15_89783597
chr8	66963107	66963107	+	1.515E-32	1.1457E-30	0.2947	hyper	sig	chr8_66963107
chr5	33936353	33936353	+	1.523E-32	1.15153E-30	0.293102	hyper	sig	chr5_33936353

chr3	1.38E+08	137763408	+	1.523E-32	1.15159E-30	0.298175	hyper	sig	chr3_137763408
chr6	30172454	30172454	+	1.524E-32	1.15247E-30	0.303287	hyper	sig	chr6_30172454
chr17	63856184	63856184	+	1.526E-32	1.15405E-30	-0.31959	hypo	sig	chr17_63856184
chr7	1.3E+08	130491427	+	1.532E-32	1.15856E-30	0.243428	hyper	sig	chr7_130491427
chr6	30172186	30172186	+	1.536E-32	1.16088E-30	0.290873	hyper	sig	chr6_30172186
chr2	11105281	11105281	+	1.54E-32	1.16407E-30	-0.34055	hypo	sig	chr2_11105281
chr11	32433877	32433877	+	1.54E-32	1.16427E-30	0.290423	hyper	sig	chr11_32433877
chr8	24915733	24915733	+	1.541E-32	1.16461E-30	0.26458	hyper	sig	chr8_24915733
chr10	1.33E+08	133231352	+	1.545E-32	1.16788E-30	0.231128	hyper	sig	chr10_133231352
chr22	39688701	39688701	+	1.551E-32	1.17199E-30	-0.27775	hypo	sig	chr22_39688701
chr21	18244810	18244810	+	1.553E-32	1.17331E-30	0.303037	hyper	sig	chr21_18244810
chr11	18106630	18106630	+	1.558E-32	1.17722E-30	-0.25189	hypo	sig	chr11_18106630
chr16	86513924	86513924	+	1.561E-32	1.17889E-30	0.368199	hyper	sig	chr16_86513924
chr17	60141513	60141513	+	1.561E-32	1.17889E-30	0.268679	hyper	sig	chr17_60141513
chr5	1.35E+08	135039100	+	1.562E-32	1.17941E-30	0.286918	hyper	sig	chr5_135039100
chr10	34974190	34974190	+	1.562E-32	1.17991E-30	-0.40446	hypo	sig	chr10_34974190
chr21	44706160	44706160	+	1.567E-32	1.18314E-30	0.331107	hyper	sig	chr21_44706160
chr16	3183117	3183117	+	1.572E-32	1.18679E-30	0.22878	hyper	sig	chr16_3183117
chr2	2.22E+08	222304758	+	1.573E-32	1.18751E-30	0.252642	hyper	sig	chr2_222304758
chr3	1.43E+08	143121209	+	1.573E-32	1.18751E-30	0.30412	hyper	sig	chr3_143121209
chr1	18632351	18632351	+	1.577E-32	1.19017E-30	0.300625	hyper	sig	chr1_18632351
chr8	66962007	66962007	+	1.581E-32	1.19351E-30	0.225893	hyper	sig	chr8_66962007
chr17	41583658	41583658	+	1.584E-32	1.19546E-30	-0.28133	hypo	sig	chr17_41583658
chr11	67442591	67442591	+	1.585E-32	1.19595E-30	-0.21916	hypo	sig	chr11_67442591
chr9	1.37E+08	137130375	+	1.59E-32	1.19941E-30	0.27292	hyper	sig	chr9_137130375
chr6	28443646	28443646	+	1.593E-32	1.20155E-30	0.215517	hyper	sig	chr6_28443646
chr18	11151765	11151765	+	1.594E-32	1.20251E-30	-0.33847	hypo	sig	chr18_11151765
chr4	1.11E+08	110631225	+	1.594E-32	1.20251E-30	0.208236	hyper	sig	chr4_110631225
chr1	1.44E+08	143904609	+	1.598E-32	1.20549E-30	0.275044	hyper	sig	chr1_143904609
chr6	1.27E+08	127120084	+	1.599E-32	1.20589E-30	0.234147	hyper	sig	chr6_127120084
chr6	10882791	10882791	+	1.6E-32	1.20678E-30	0.217124	hyper	sig	chr6_10882791
chr3	1.72E+08	172449657	+	1.603E-32	1.20856E-30	0.307496	hyper	sig	chr3_172449657
chr19	50627107	50627107	+	1.603E-32	1.20874E-30	-0.22683	hypo	sig	chr19_50627107
chr21	43940923	43940923	+	1.614E-32	1.21694E-30	0.243235	hyper	sig	chr21_43940923
chr6	39322764	39322764	+	1.617E-32	1.21919E-30	-0.30918	hypo	sig	chr6_39322764
chr16	56642782	56642782	+	1.629E-32	1.22801E-30	-0.25501	hypo	sig	chr16_56642782
chr19	7880047	7880047	+	1.633E-32	1.23099E-30	-0.34263	hypo	sig	chr19_7880047
chr11	20669883	20669883	+	1.64E-32	1.23601E-30	0.360288	hyper	sig	chr11_20669883
chr16	85485561	85485561	+	1.645E-32	1.23927E-30	-0.20159	hypo	sig	chr16_85485561
chr17	82875650	82875650	+	1.647E-32	1.24087E-30	-0.21833	hypo	sig	chr17_82875650
chr16	88818633	88818633	+	1.65E-32	1.24281E-30	-0.23653	hypo	sig	chr16_88818633
chr20	37522701	37522701	+	1.652E-32	1.24462E-30	-0.29747	hypo	sig	chr20_37522701
chr13	78596540	78596540	+	1.657E-32	1.24815E-30	0.360867	hyper	sig	chr13_78596540
chr6	27680245	27680245	+	1.679E-32	1.2644E-30	0.272548	hyper	sig	chr6_27680245
chr5	88602792	88602792	+	1.682E-32	1.26639E-30	-0.26454	hypo	sig	chr5_88602792
chr5	95962658	95962658	+	1.684E-32	1.26772E-30	-0.34882	hypo	sig	chr5_95962658
chr3	10993253	10993253	+	1.686E-32	1.26943E-30	0.27681	hyper	sig	chr3_10993253
chr3	1.47E+08	147411991	+	1.687E-32	1.27006E-30	0.308703	hyper	sig	chr3_147411991
chr13	27928016	27928016	+	1.691E-32	1.27287E-30	0.33046	hyper	sig	chr13_27928016
chr5	3594225	3594225	+	1.692E-32	1.27346E-30	0.298335	hyper	sig	chr5_3594225
chr19	35558523	35558523	+	1.695E-32	1.27543E-30	0.315819	hyper	sig	chr19_35558523
chr1	1.19E+08	119007204	+	1.695E-32	1.27561E-30	0.346295	hyper	sig	chr1_119007204
chr15	71783486	71783486	+	1.699E-32	1.27852E-30	-0.3108	hypo	sig	chr15_71783486
chr14	47675797	47675797	+	1.719E-32	1.29301E-30	0.290813	hyper	sig	chr14_47675797
chr8	1.08E+08	108083062	+	1.724E-32	1.29718E-30	0.302459	hyper	sig	chr8_108083062
chr15	55741815	55741815	+	1.749E-32	1.31532E-30	0.302357	hyper	sig	chr15_55741815

chr7	1.58E+08	157668618	+	1.752E-32	1.31769E-30	0.267404	hyper	sig	chr7_157668618
chr19	11674254	11674254	+	1.757E-32	1.32158E-30	0.268956	hyper	sig	chr19_11674254
chr14	28778409	28778409	+	1.764E-32	1.32621E-30	0.272408	hyper	sig	chr14_28778409
chr12	1.04E+08	104303650	+	1.767E-32	1.32869E-30	0.256532	hyper	sig	chr12_104303650
chr5	58582507	58582507	+	1.78E-32	1.33848E-30	0.22067	hyper	sig	chr5_58582507
chr19	12721117	12721117	+	1.783E-32	1.34061E-30	0.31151	hyper	sig	chr19_12721117
chr1	3292955	3292955	+	1.784E-32	1.34128E-30	-0.2753	hypo	sig	chr1_3292955
chr5	1144350	1144350	+	1.785E-32	1.34164E-30	-0.22483	hypo	sig	chr5_1144350
chr4	13528610	13528610	+	1.791E-32	1.34552E-30	0.326737	hyper	sig	chr4_13528610
chr8	26051754	26051754	+	1.794E-32	1.34777E-30	0.279092	hyper	sig	chr8_26051754
chr9	13278605	13278605	+	1.794E-32	1.34777E-30	0.282858	hyper	sig	chr9_13278605
chr2	1665131	1665131	+	1.803E-32	1.35421E-30	-0.29624	hypo	sig	chr2_1665131
chr19	52370150	52370150	+	1.806E-32	1.35647E-30	0.282606	hyper	sig	chr19_52370150
chr17	81941439	81941439	+	1.81E-32	1.35923E-30	-0.29965	hypo	sig	chr17_81941439
chr1	63320303	63320303	+	1.81E-32	1.35924E-30	0.251511	hyper	sig	chr1_63320303
chr1	90719669	90719669	+	1.813E-32	1.36155E-30	0.319282	hyper	sig	chr1_90719669
chr6	98825251	98825251	+	1.816E-32	1.36381E-30	0.260766	hyper	sig	chr6_98825251
chr7	97020750	97020750	+	1.817E-32	1.36448E-30	0.22722	hyper	sig	chr7_97020750
chr15	34754975	34754975	+	1.828E-32	1.37212E-30	0.247582	hyper	sig	chr15_34754975
chr14	69850153	69850153	+	1.828E-32	1.37265E-30	-0.36385	hypo	sig	chr14_69850153
chr16	86579035	86579035	+	1.829E-32	1.37317E-30	0.319975	hyper	sig	chr16_86579035
chr5	88659926	88659926	+	1.834E-32	1.37623E-30	0.247325	hyper	sig	chr5_88659926
chr5	1.75E+08	174732678	+	1.837E-32	1.37876E-30	0.311342	hyper	sig	chr5_174732678
chr1	2.05E+08	205349785	+	1.84E-32	1.38073E-30	-0.33782	hypo	sig	chr1_205349785
chr19	55038501	55038501	+	1.84E-32	1.38085E-30	-0.28359	hypo	sig	chr19_55038501
chr1	76867554	76867554	+	1.852E-32	1.38975E-30	0.236107	hyper	sig	chr1_76867554
chr1	85613211	85613211	+	1.853E-32	1.38993E-30	-0.36203	hypo	sig	chr1_85613211
chr6	1.66E+08	165819578	+	1.854E-32	1.39032E-30	0.288841	hyper	sig	chr6_165819578
chr11	72244096	72244096	+	1.861E-32	1.39586E-30	0.293946	hyper	sig	chr11_72244096
chr13	1.12E+08	112069224	+	1.862E-32	1.3963E-30	0.254668	hyper	sig	chr13_112069224
chr18	79783005	79783005	+	1.866E-32	1.3992E-30	-0.27626	hypo	sig	chr18_79783005
chr6	30172385	30172385	+	1.866E-32	1.3992E-30	0.313574	hyper	sig	chr6_30172385
chr6	50724457	50724457	+	1.874E-32	1.40487E-30	0.246541	hyper	sig	chr6_50724457
chr1	3565104	3565104	+	1.877E-32	1.4071E-30	-0.30148	hypo	sig	chr1_3565104
chr6	27680308	27680308	+	1.88E-32	1.40955E-30	0.30186	hyper	sig	chr6_27680308
chr16	828103	828103	+	1.883E-32	1.41105E-30	-0.30045	hypo	sig	chr16_828103
chr17	81461128	81461128	+	1.883E-32	1.41121E-30	-0.26005	hypo	sig	chr17_81461128
chr5	1.41E+08	141421295	+	1.885E-32	1.4129E-30	0.284521	hyper	sig	chr5_141421295
chr4	4861656	4861656	+	1.891E-32	1.41721E-30	0.248781	hyper	sig	chr4_4861656
chr11	66049097	66049097	+	1.893E-32	1.41816E-30	0.332628	hyper	sig	chr11_66049097
chr11	20601734	20601734	+	1.91E-32	1.4311E-30	0.276332	hyper	sig	chr11_20601734
chr6	1.34E+08	134176429	+	1.914E-32	1.43356E-30	0.280539	hyper	sig	chr6_134176429
chr16	51156156	51156156	+	1.916E-32	1.43507E-30	0.305495	hyper	sig	chr16_51156156
chr19	56507494	56507494	+	1.923E-32	1.43998E-30	0.340894	hyper	sig	chr19_56507494
chr4	41747344	41747344	+	1.931E-32	1.4458E-30	0.35999	hyper	sig	chr4_41747344
chr6	1.37E+08	137495930	+	1.939E-32	1.45189E-30	0.356116	hyper	sig	chr6_137495930
chr11	69449841	69449841	+	1.954E-32	1.46273E-30	-0.21157	hypo	sig	chr11_69449841
chr19	21463751	21463751	+	1.959E-32	1.46655E-30	0.325009	hyper	sig	chr19_21463751
chr6	28814507	28814507	+	1.962E-32	1.46843E-30	0.323816	hyper	sig	chr6_28814507
chr10	55627843	55627843	+	1.967E-32	1.47258E-30	0.269688	hyper	sig	chr10_55627843
chr6	1.66E+08	165819576	+	1.968E-32	1.47322E-30	0.287578	hyper	sig	chr6_165819576
chr16	56190661	56190661	+	1.975E-32	1.47793E-30	0.297271	hyper	sig	chr16_56190661
chr8	76683082	76683082	+	1.98E-32	1.48165E-30	0.303951	hyper	sig	chr8_76683082
chr15	74955776	74955776	+	1.987E-32	1.48638E-30	-0.3498	hypo	sig	chr15_74955776
chr8	71558223	71558223	+	1.987E-32	1.48651E-30	0.241725	hyper	sig	chr8_71558223
chr1	58249873	58249873	+	2.002E-32	1.498E-30	0.245283	hyper	sig	chr1_58249873

chr12	54014660	54014660	+	2.007E-32	1.5015E-30	0.292355	hyper	sig	chr12_54014660
chr1	78491543	78491543	+	2.014E-32	1.50626E-30	0.29441	hyper	sig	chr1_78491543
chr11	19346076	19346076	+	2.018E-32	1.50906E-30	0.296608	hyper	sig	chr11_19346076
chr4	1.13E+08	112520544	+	2.018E-32	1.50906E-30	0.232115	hyper	sig	chr4_112520544
chr2	1.19E+08	118833618	+	2.034E-32	1.52103E-30	0.260902	hyper	sig	chr2_118833618
chr11	64971864	64971864	+	2.044E-32	1.52774E-30	0.264701	hyper	sig	chr11_64971864
chr2	1.19E+08	118833638	+	2.044E-32	1.52774E-30	0.274945	hyper	sig	chr2_118833638
chr4	1.72E+08	171813284	+	2.045E-32	1.52821E-30	0.358572	hyper	sig	chr4_171813284
chr12	1.14E+08	114408508	+	2.048E-32	1.5308E-30	0.253264	hyper	sig	chr12_114408508
chr21	26845387	26845387	+	2.056E-32	1.53684E-30	0.240024	hyper	sig	chr21_26845387
chr7	44238698	44238698	+	2.059E-32	1.53889E-30	-0.29893	hypo	sig	chr7_44238698
chr3	6861474	6861474	+	2.061E-32	1.53996E-30	0.33146	hyper	sig	chr3_6861474
chr14	97219307	97219307	+	2.068E-32	1.54507E-30	0.2436	hyper	sig	chr14_97219307
chr17	34157039	34157039	+	2.07E-32	1.54606E-30	0.277777	hyper	sig	chr17_34157039
chr1	2206254	2206254	+	2.07E-32	1.54619E-30	-0.36594	hypo	sig	chr1_2206254
chr11	8038455	8038455	+	2.077E-32	1.55124E-30	-0.26918	hypo	sig	chr11_8038455
chr2	74415376	74415376	+	2.082E-32	1.55467E-30	0.343647	hyper	sig	chr2_74415376
chr1	2318965	2318965	+	2.09E-32	1.56068E-30	-0.26851	hypo	sig	chr1_2318965
chr10	1.01E+08	101136796	+	2.094E-32	1.56323E-30	0.242367	hyper	sig	chr10_101136796
chr6	10887373	10887373	+	2.099E-32	1.56727E-30	0.334726	hyper	sig	chr6_10887373
chr4	6035960	6035960	+	2.103E-32	1.56986E-30	-0.20876	hypo	sig	chr4_6035960
chr12	1.11E+08	111035831	+	2.105E-32	1.57103E-30	0.243177	hyper	sig	chr12_111035831
chr2	2.41E+08	241189341	+	2.121E-32	1.58267E-30	-0.39843	hypo	sig	chr2_241189341
chr6	30260318	30260318	+	2.122E-32	1.58362E-30	0.279517	hyper	sig	chr6_30260318
chr1	47445724	47445724	+	2.123E-32	1.58404E-30	0.40297	hyper	sig	chr1_47445724
chr16	86579059	86579059	+	2.123E-32	1.58404E-30	0.34812	hyper	sig	chr16_86579059
chr16	88814511	88814511	+	2.124E-32	1.58423E-30	-0.27188	hypo	sig	chr16_88814511
chr20	9509105	9509105	+	2.124E-32	1.58423E-30	0.275766	hyper	sig	chr20_9509105
chr17	82311257	82311257	+	2.124E-32	1.58447E-30	-0.35803	hypo	sig	chr17_82311257
chr11	8168725	8168725	+	2.126E-32	1.58548E-30	0.35956	hyper	sig	chr11_8168725
chr17	81461125	81461125	+	2.128E-32	1.58727E-30	-0.24525	hypo	sig	chr17_81461125
chr2	10331294	10331294	+	2.13E-32	1.58834E-30	-0.28557	hypo	sig	chr2_10331294
chr12	98745730	98745730	+	2.135E-32	1.59221E-30	0.22985	hyper	sig	chr12_98745730
chr1	99005215	99005215	+	2.137E-32	1.59289E-30	0.270046	hyper	sig	chr1_99005215
chr7	50308889	50308889	+	2.147E-32	1.60053E-30	-0.29795	hypo	sig	chr7_50308889
chr20	63320102	63320102	+	2.151E-32	1.6035E-30	-0.26978	hypo	sig	chr20_63320102
chr5	1.79E+08	178590823	+	2.158E-32	1.60857E-30	0.212256	hyper	sig	chr5_178590823
chr12	1795564	1795564	+	2.171E-32	1.61792E-30	-0.29433	hypo	sig	chr12_1795564
chr13	1.11E+08	110506868	+	2.172E-32	1.61837E-30	-0.38661	hypo	sig	chr13_110506868
chr10	22345211	22345211	+	2.176E-32	1.62096E-30	0.239825	hyper	sig	chr10_22345211
chr20	21517537	21517537	+	2.176E-32	1.62125E-30	0.329044	hyper	sig	chr20_21517537
chr17	65229008	65229008	+	2.177E-32	1.62163E-30	-0.24544	hypo	sig	chr17_65229008
chr11	504941	504941	+	2.18E-32	1.62406E-30	0.26574	hyper	sig	chr11_504941
chr11	69449916	69449916	+	2.182E-32	1.6252E-30	-0.26398	hypo	sig	chr11_69449916
chr3	1.47E+08	147397774	+	2.185E-32	1.62693E-30	0.347937	hyper	sig	chr3_147397774
chr10	43130988	43130988	+	2.186E-32	1.62746E-30	-0.28812	hypo	sig	chr10_43130988
chr17	77373509	77373509	+	2.188E-32	1.62924E-30	0.357251	hyper	sig	chr17_77373509
chr18	79453901	79453901	+	2.188E-32	1.62926E-30	-0.29344	hypo	sig	chr18_79453901
chr3	68932869	68932869	+	2.191E-32	1.63072E-30	0.268655	hyper	sig	chr3_68932869
chr4	1.72E+08	171812609	+	2.194E-32	1.63336E-30	0.278912	hyper	sig	chr4_171812609
chr7	27182149	27182149	+	2.197E-32	1.63535E-30	-0.33578	hypo	sig	chr7_27182149
chr4	1.11E+08	110641330	+	2.202E-32	1.63858E-30	0.270001	hyper	sig	chr4_110641330
chr1	99005431	99005431	+	2.205E-32	1.64065E-30	0.237131	hyper	sig	chr1_99005431
chr8	75407035	75407035	+	2.205E-32	1.64086E-30	-0.23089	hypo	sig	chr8_75407035
chr1	13513233	13513233	+	2.215E-32	1.64773E-30	0.212429	hyper	sig	chr1_13513233
chr12	72273944	72273944	+	2.222E-32	1.6529E-30	0.318963	hyper	sig	chr12_72273944

chr3	43998011	43998011	+	2.23E-32	1.65857E-30	0.254448	hyper	sig	chr3_43998011
chr1	75128423	75128423	+	2.235E-32	1.662E-30	0.300229	hyper	sig	chr1_75128423
chr4	8191446	8191446	+	2.261E-32	1.68107E-30	-0.25033	hypo	sig	chr4_8191446
chr7	1.54E+08	154305195	+	2.268E-32	1.68613E-30	0.307576	hyper	sig	chr7_154305195
chr12	53966710	53966710	+	2.272E-32	1.68957E-30	0.286431	hyper	sig	chr12_53966710
chr16	88409677	88409677	+	2.275E-32	1.6911E-30	-0.3291	hypo	sig	chr16_88409677
chr8	66962106	66962106	+	2.278E-32	1.6937E-30	0.25104	hyper	sig	chr8_66962106
chr5	77638871	77638871	+	2.284E-32	1.6977E-30	0.241861	hyper	sig	chr5_77638871
chr11	65557742	65557742	+	2.289E-32	1.70119E-30	0.206807	hyper	sig	chr11_65557742
chr5	2757862	2757862	+	2.292E-32	1.7029E-30	0.271186	hyper	sig	chr5_2757862
chr10	1.29E+08	128568367	+	2.305E-32	1.71266E-30	-0.29176	hypo	sig	chr10_128568367
chr4	1.33E+08	133148217	+	2.307E-32	1.71424E-30	0.295731	hyper	sig	chr4_133148217
chr2	95025452	95025452	+	2.309E-32	1.71567E-30	0.286264	hyper	sig	chr2_95025452
chr11	2168904	2168904	+	2.31E-32	1.71569E-30	-0.23851	hypo	sig	chr11_2168904
chr19	56507477	56507477	+	2.315E-32	1.71973E-30	0.347344	hyper	sig	chr19_56507477
chr2	1.82E+08	181682624	+	2.316E-32	1.72015E-30	0.368916	hyper	sig	chr2_181682624
chr13	42574163	42574163	+	2.328E-32	1.72847E-30	0.245688	hyper	sig	chr13_42574163
chr5	77973074	77973074	+	2.345E-32	1.74129E-30	0.273932	hyper	sig	chr5_77973074
chr11	2140912	2140912	+	2.352E-32	1.74635E-30	0.33121	hyper	sig	chr11_2140912
chr13	57629882	57629882	+	2.357E-32	1.74969E-30	0.300365	hyper	sig	chr13_57629882
chr2	1.15E+08	115162408	+	2.363E-32	1.7538E-30	0.294253	hyper	sig	chr2_115162408
chr14	26598564	26598564	+	2.364E-32	1.75473E-30	0.256941	hyper	sig	chr14_26598564
chr10	3127051	3127051	+	2.366E-32	1.75594E-30	-0.2826	hypo	sig	chr10_3127051
chr7	54541894	54541894	+	2.374E-32	1.76213E-30	0.244245	hyper	sig	chr7_54541894
chr22	48549837	48549837	+	2.384E-32	1.76943E-30	-0.2642	hypo	sig	chr22_48549837
chr21	45004771	45004771	+	2.387E-32	1.77139E-30	-0.30942	hypo	sig	chr21_45004771
chr6	50836225	50836225	+	2.401E-32	1.78139E-30	0.237201	hyper	sig	chr6_50836225
chr2	1.82E+08	181684069	+	2.405E-32	1.78419E-30	0.275587	hyper	sig	chr2_181684069
chr11	86195441	86195441	+	2.41E-32	1.78768E-30	-0.30644	hypo	sig	chr11_86195441
chr7	169721	169721	+	2.411E-32	1.78838E-30	-0.27617	hypo	sig	chr7_169721
chr10	594145	594145	+	2.422E-32	1.79641E-30	-0.2876	hypo	sig	chr10_594145
chr20	24142348	24142348	+	2.442E-32	1.81084E-30	-0.30992	hypo	sig	chr20_24142348
chr12	1.3E+08	130164027	+	2.448E-32	1.81559E-30	0.294799	hyper	sig	chr12_130164027
chr17	73748548	73748548	+	2.451E-32	1.81733E-30	-0.32827	hypo	sig	chr17_73748548
chr11	1.3E+08	129743708	+	2.457E-32	1.82139E-30	-0.31049	hypo	sig	chr11_129743708
chr4	80263860	80263860	+	2.48E-32	1.8384E-30	0.280579	hyper	sig	chr4_80263860
chr7	19106605	19106605	+	2.482E-32	1.83984E-30	0.296151	hyper	sig	chr7_19106605
chr19	47451746	47451746	+	2.484E-32	1.84109E-30	-0.32225	hypo	sig	chr19_47451746
chr10	55630019	55630019	+	2.496E-32	1.84965E-30	0.236919	hyper	sig	chr10_55630019
chr2	1.15E+08	115161161	+	2.508E-32	1.8586E-30	0.304817	hyper	sig	chr2_115161161
chr1	66752170	66752170	+	2.514E-32	1.8624E-30	0.262345	hyper	sig	chr1_66752170
chr5	77643552	77643552	+	2.518E-32	1.86523E-30	0.238334	hyper	sig	chr5_77643552
chr6	1.5E+08	149965356	+	2.521E-32	1.86711E-30	0.266965	hyper	sig	chr6_149965356
chr12	1.24E+08	123909357	+	2.533E-32	1.87629E-30	-0.29971	hypo	sig	chr12_123909357
chr12	1.33E+08	132545074	+	2.547E-32	1.88603E-30	-0.2578	hypo	sig	chr12_132545074
chr3	1.71E+08	170586041	+	2.553E-32	1.89086E-30	0.310872	hyper	sig	chr3_170586041
chr5	1.73E+08	173234875	+	2.559E-32	1.89472E-30	0.213443	hyper	sig	chr5_173234875
chr12	62192124	62192124	+	2.567E-32	1.901E-30	0.430615	hyper	sig	chr12_62192124
chr1	1.08E+08	107965873	+	2.569E-32	1.90194E-30	0.266569	hyper	sig	chr1_107965873
chr3	28575796	28575796	+	2.573E-32	1.90463E-30	0.283598	hyper	sig	chr3_28575796
chr9	37027321	37027321	+	2.593E-32	1.91911E-30	0.306987	hyper	sig	chr9_37027321
chr6	10382623	10382623	+	2.598E-32	1.923E-30	0.282287	hyper	sig	chr6_10382623
chr19	52369848	52369848	+	2.601E-32	1.92509E-30	0.242932	hyper	sig	chr19_52369848
chr1	2.08E+08	207669806	+	2.613E-32	1.9334E-30	0.234014	hyper	sig	chr1_207669806
chr18	77250169	77250169	+	2.619E-32	1.93774E-30	0.256559	hyper	sig	chr18_77250169
chr4	4858334	4858334	+	2.633E-32	1.94817E-30	0.266593	hyper	sig	chr4_4858334

chr21	40842008	40842008	+	2.642E-32	1.95458E-30	0.250668	hyper	sig	chr21_40842008
chr19	58009779	58009779	+	2.667E-32	1.97261E-30	0.232799	hyper	sig	chr19_58009779
chr19	36245741	36245741	+	2.669E-32	1.97398E-30	0.320237	hyper	sig	chr19_36245741
chr4	1.04E+08	103720164	+	2.672E-32	1.9759E-30	0.302023	hyper	sig	chr4_103720164
chr1	8333918	8333918	+	2.672E-32	1.97606E-30	-0.26996	hypo	sig	chr1_8333918
chr8	2034967	2034967	+	2.68E-32	1.98137E-30	-0.25741	hypo	sig	chr8_2034967
chr2	1.6E+08	160271626	+	2.692E-32	1.99051E-30	-0.27492	hypo	sig	chr2_160271626
chr11	20601175	20601175	+	2.694E-32	1.99149E-30	0.242989	hyper	sig	chr11_20601175
chr10	22345363	22345363	+	2.696E-32	1.99317E-30	0.313159	hyper	sig	chr10_22345363
chr1	1.6E+08	159929877	+	2.701E-32	1.99635E-30	-0.26133	hypo	sig	chr1_159929877
chr10	1.05E+08	104640909	+	2.702E-32	1.99706E-30	0.339074	hyper	sig	chr10_104640909
chr5	3116646	3116646	+	2.704E-32	1.99861E-30	0.249646	hyper	sig	chr5_3116646
chr5	7983524	7983524	+	2.707E-32	2.00047E-30	-0.34445	hypo	sig	chr5_7983524
chr6	98842797	98842797	+	2.714E-32	2.00526E-30	0.293718	hyper	sig	chr6_98842797
chr7	28411068	28411068	+	2.716E-32	2.00686E-30	0.281586	hyper	sig	chr7_28411068
chr7	1.56E+08	155922481	+	2.717E-32	2.00744E-30	-0.2543	hypo	sig	chr7_155922481
chr16	89248009	89248009	+	2.735E-32	2.0205E-30	0.358474	hyper	sig	chr16_89248009
chr15	22949523	22949523	+	2.737E-32	2.02136E-30	-0.34979	hypo	sig	chr15_22949523
chr5	1.39E+08	139394298	+	2.742E-32	2.02496E-30	0.303915	hyper	sig	chr5_139394298
chr10	7412664	7412664	+	2.745E-32	2.02687E-30	0.309888	hyper	sig	chr10_7412664
chr14	47675845	47675845	+	2.745E-32	2.02687E-30	0.287117	hyper	sig	chr14_47675845
chr16	81493974	81493974	+	2.746E-32	2.02721E-30	-0.28493	hypo	sig	chr16_81493974
chr5	1.35E+08	135039041	+	2.746E-32	2.0273E-30	0.300155	hyper	sig	chr5_135039041
chr19	57889191	57889191	+	2.754E-32	2.03316E-30	0.315416	hyper	sig	chr19_57889191
chr7	1.59E+08	159144051	+	2.757E-32	2.03527E-30	0.320435	hyper	sig	chr7_159144051
chr15	83206958	83206958	+	2.772E-32	2.04609E-30	0.22081	hyper	sig	chr15_83206958
chr17	77233705	77233705	+	2.801E-32	2.06734E-30	-0.31407	hypo	sig	chr17_77233705
chr5	1.41E+08	141234312	+	2.808E-32	2.07196E-30	0.292675	hyper	sig	chr5_141234312
chr14	47675826	47675826	+	2.812E-32	2.07515E-30	0.272894	hyper	sig	chr14_47675826
chr13	36346525	36346525	+	2.832E-32	2.08967E-30	0.203819	hyper	sig	chr13_36346525
chr5	1.41E+08	141431302	+	2.837E-32	2.093E-30	0.263566	hyper	sig	chr5_141431302
chr11	1.29E+08	128863070	+	2.849E-32	2.102E-30	-0.35338	hypo	sig	chr11_128863070
chr4	21304318	21304318	+	2.852E-32	2.10333E-30	0.254603	hyper	sig	chr4_21304318
chr1	94540966	94540966	+	2.857E-32	2.1071E-30	-0.25652	hypo	sig	chr1_94540966
chr1	2.34E+08	234234974	+	2.862E-32	2.11064E-30	-0.33163	hypo	sig	chr1_234234974
chr16	67982428	67982428	+	2.863E-32	2.11149E-30	-0.32933	hypo	sig	chr16_67982428
chr2	2.31E+08	231398445	+	2.87E-32	2.11636E-30	0.252532	hyper	sig	chr2_231398445
chr21	44994654	44994654	+	2.871E-32	2.11636E-30	-0.22275	hypo	sig	chr21_44994654
chr1	1.44E+08	143661938	+	2.875E-32	2.11979E-30	0.274878	hyper	sig	chr1_143661938
chr11	64972060	64972060	+	2.881E-32	2.12334E-30	0.341289	hyper	sig	chr11_64972060
chr10	1.3E+08	129969696	+	2.906E-32	2.14178E-30	0.226941	hyper	sig	chr10_129969696
chr11	22193832	22193832	+	2.908E-32	2.1433E-30	0.236892	hyper	sig	chr11_22193832
chr1	1.47E+08	147073254	+	2.912E-32	2.14598E-30	0.287744	hyper	sig	chr1_147073254
chr17	81342019	81342019	+	2.918E-32	2.14989E-30	0.373945	hyper	sig	chr17_81342019
chr3	1.28E+08	128483611	+	2.923E-32	2.15341E-30	0.288998	hyper	sig	chr3_128483611
chr6	1.5E+08	149964693	+	2.923E-32	2.15341E-30	0.211541	hyper	sig	chr6_149964693
chr8	11700688	11700688	+	2.925E-32	2.15459E-30	0.245617	hyper	sig	chr8_11700688
chr20	25083529	25083529	+	2.934E-32	2.16085E-30	0.272237	hyper	sig	chr20_25083529
chr2	5692911	5692911	+	2.94E-32	2.16536E-30	0.292204	hyper	sig	chr2_5692911
chr11	44311388	44311388	+	2.947E-32	2.16984E-30	0.235622	hyper	sig	chr11_44311388
chr8	66962169	66962169	+	2.946E-32	2.16984E-30	0.220992	hyper	sig	chr8_66962169
chr13	27928338	27928338	+	2.95E-32	2.17192E-30	0.374825	hyper	sig	chr13_27928338
chr12	53966723	53966723	+	2.953E-32	2.17456E-30	0.277622	hyper	sig	chr12_53966723
chr11	43581367	43581367	+	2.974E-32	2.18926E-30	0.264705	hyper	sig	chr11_43581367
chr5	3602281	3602281	+	2.976E-32	2.19101E-30	0.307769	hyper	sig	chr5_3602281
chr11	32427634	32427634	+	2.981E-32	2.19394E-30	0.264521	hyper	sig	chr11_32427634

chr9	1.22E+08	122219710	+	2.986E-32	2.19764E-30	0.213432	hyper	sig	chr9_122219710
chr3	1.25E+08	125357636	+	3.004E-32	2.21076E-30	0.310611	hyper	sig	chr3_125357636
chr11	24496777	24496777	+	3.02E-32	2.22213E-30	0.203228	hyper	sig	chr11_24496777
chr5	88690221	88690221	+	3.024E-32	2.22541E-30	0.231631	hyper	sig	chr5_88690221
chr19	4555987	4555987	+	3.031E-32	2.22982E-30	-0.31133	hypo	sig	chr19_4555987
chr1	1.19E+08	118986011	+	3.033E-32	2.23118E-30	0.285193	hyper	sig	chr1_118986011
chr14	85532014	85532014	+	3.038E-32	2.23471E-30	0.379352	hyper	sig	chr14_85532014
chr4	84482948	84482948	+	3.039E-32	2.23513E-30	0.218736	hyper	sig	chr4_84482948
chr4	1.9E+08	190017937	+	3.053E-32	2.24547E-30	0.267489	hyper	sig	chr4_190017937
chr15	88256093	88256093	+	3.06E-32	2.25064E-30	0.217162	hyper	sig	chr15_88256093
chr2	5692858	5692858	+	3.064E-32	2.25308E-30	0.316994	hyper	sig	chr2_5692858
chr20	21516026	21516026	+	3.07E-32	2.25695E-30	0.272398	hyper	sig	chr20_21516026
chr3	43998026	43998026	+	3.07E-32	2.25713E-30	0.24748	hyper	sig	chr3_43998026
chr4	54101283	54101283	+	3.075E-32	2.26083E-30	0.29501	hyper	sig	chr4_54101283
chr1	1.19E+08	119000562	+	3.097E-32	2.27646E-30	0.290714	hyper	sig	chr1_119000562
chr8	48976454	48976454	+	3.104E-32	2.28134E-30	-0.30093	hypo	sig	chr8_48976454
chr5	1.41E+08	141365320	+	3.118E-32	2.29143E-30	0.24351	hyper	sig	chr5_141365320
chr3	1.47E+08	147407971	+	3.131E-32	2.3006E-30	0.25966	hyper	sig	chr3_147407971
chr19	3821361	3821361	+	3.132E-32	2.30161E-30	-0.37129	hypo	sig	chr19_3821361
chr8	1.43E+08	142911283	+	3.14E-32	2.30679E-30	-0.31211	hypo	sig	chr8_142911283
chr4	72031955	72031955	+	3.147E-32	2.31197E-30	0.318702	hyper	sig	chr4_72031955
chr13	78596952	78596952	+	3.147E-32	2.31203E-30	0.247851	hyper	sig	chr13_78596952
chr17	82876352	82876352	+	3.148E-32	2.3121E-30	-0.28039	hypo	sig	chr17_82876352
chr1	1.62E+08	161621742	+	3.156E-32	2.31829E-30	0.214808	hyper	sig	chr1_161621742
chr9	1.36E+08	136107371	+	3.158E-32	2.31899E-30	-0.21104	hypo	sig	chr9_136107371
chr11	79438849	79438849	+	3.165E-32	2.32432E-30	0.20581	hyper	sig	chr11_79438849
chr19	42074770	42074770	+	3.166E-32	2.32479E-30	-0.22276	hypo	sig	chr19_42074770
chr5	1.43E+08	143405614	+	3.182E-32	2.33606E-30	0.23306	hyper	sig	chr5_143405614
chr17	8965281	8965281	+	3.186E-32	2.33866E-30	0.313659	hyper	sig	chr17_8965281
chr5	601122	601122	+	3.194E-32	2.3445E-30	-0.28699	hypo	sig	chr5_601122
chr8	41700255	41700255	+	3.2E-32	2.34863E-30	-0.22872	hypo	sig	chr8_41700255
chr5	1.41E+08	141421473	+	3.22E-32	2.36313E-30	0.264688	hyper	sig	chr5_141421473
chr1	22598996	22598996	+	3.233E-32	2.37269E-30	-0.25106	hypo	sig	chr1_22598996
chr2	38960402	38960402	+	3.253E-32	2.38696E-30	0.249233	hyper	sig	chr2_38960402
chr12	1.11E+08	111035837	+	3.259E-32	2.39131E-30	0.28091	hyper	sig	chr12_111035837
chr2	1.13E+08	113275952	+	3.266E-32	2.39601E-30	0.282432	hyper	sig	chr2_113275952
chr17	81529233	81529233	+	3.268E-32	2.39756E-30	-0.26039	hypo	sig	chr17_81529233
chr16	54932654	54932654	+	3.273E-32	2.40092E-30	0.273652	hyper	sig	chr16_54932654
chr8	64379184	64379184	+	3.29E-32	2.41281E-30	0.27859	hyper	sig	chr8_64379184
chr4	304994	304994	+	3.292E-32	2.41383E-30	0.273578	hyper	sig	chr4_304994
chr16	57764394	57764394	+	3.292E-32	2.41389E-30	-0.27643	hypo	sig	chr16_57764394
chr5	77639224	77639224	+	3.295E-32	2.41623E-30	0.300047	hyper	sig	chr5_77639224
chr12	54047079	54047079	+	3.296E-32	2.41634E-30	0.337196	hyper	sig	chr12_54047079
chr4	1.7E+08	170091384	+	3.301E-32	2.41983E-30	-0.35102	hypo	sig	chr4_170091384
chr1	2.21E+08	220881377	+	3.306E-32	2.42298E-30	0.213499	hyper	sig	chr1_220881377
chr2	5693019	5693019	+	3.314E-32	2.42909E-30	0.308817	hyper	sig	chr2_5693019
chr16	85625262	85625262	+	3.324E-32	2.43573E-30	-0.29266	hypo	sig	chr16_85625262
chr9	3181039	3181039	+	3.329E-32	2.43936E-30	0.250465	hyper	sig	chr9_3181039
chr10	1.01E+08	101228567	+	3.338E-32	2.44608E-30	0.208314	hyper	sig	chr10_101228567
chr3	1.25E+08	125142038	+	3.344E-32	2.4501E-30	0.286491	hyper	sig	chr3_125142038
chr10	1.16E+08	116273778	+	3.35E-32	2.45433E-30	0.266449	hyper	sig	chr10_116273778
chr10	55628581	55628581	+	3.351E-32	2.45485E-30	0.302905	hyper	sig	chr10_55628581
chr14	1.04E+08	104357690	+	3.383E-32	2.47745E-30	-0.28976	hypo	sig	chr14_104357690
chr15	41895021	41895021	+	3.407E-32	2.49454E-30	-0.24591	hypo	sig	chr15_41895021
chr19	57889094	57889094	+	3.412E-32	2.49794E-30	0.298626	hyper	sig	chr19_57889094
chr11	1.33E+08	132994201	+	3.414E-32	2.49968E-30	0.219603	hyper	sig	chr11_132994201

chr19	19861090	19861090	+	3.425E-32	2.50749E-30	0.261669	hyper	sig	chr19_19861090
chr1	3063563	3063563	+	3.431E-32	2.51102E-30	0.258105	hyper	sig	chr1_3063563
chr3	1.28E+08	128483595	+	3.44E-32	2.51795E-30	0.304243	hyper	sig	chr3_128483595
chr6	1.68E+08	167815789	+	3.462E-32	2.53344E-30	-0.3123	hypo	sig	chr6_167815789
chr1	3084438	3084438	+	3.477E-32	2.54405E-30	-0.26123	hypo	sig	chr1_3084438
chr19	56368257	56368257	+	3.477E-32	2.54405E-30	0.332838	hyper	sig	chr19_56368257
chr8	26051835	26051835	+	3.505E-32	2.56429E-30	0.219212	hyper	sig	chr8_26051835
chr8	4994963	4994963	+	3.506E-32	2.56459E-30	0.288782	hyper	sig	chr8_4994963
chr13	57629492	57629492	+	3.511E-32	2.56811E-30	0.306509	hyper	sig	chr13_57629492
chr2	2.07E+08	206642372	+	3.519E-32	2.57389E-30	0.258018	hyper	sig	chr2_206642372
chr8	68332025	68332025	+	3.528E-32	2.57973E-30	0.277421	hyper	sig	chr8_68332025
chr11	89864453	89864453	+	3.551E-32	2.59645E-30	0.311741	hyper	sig	chr11_89864453
chr1	90719220	90719220	+	3.558E-32	2.60175E-30	0.300598	hyper	sig	chr1_90719220
chr11	31799717	31799717	+	3.565E-32	2.60662E-30	0.375317	hyper	sig	chr11_31799717
chr2	1.76E+08	176083338	+	3.582E-32	2.61831E-30	0.287191	hyper	sig	chr2_176083338
chr5	1.33E+08	132748358	+	3.584E-32	2.61984E-30	-0.34356	hypo	sig	chr5_132748358
chr2	38960389	38960389	+	3.59E-32	2.62364E-30	0.275878	hyper	sig	chr2_38960389
chr1	1.47E+08	147072788	+	3.599E-32	2.6299E-30	0.350422	hyper	sig	chr1_147072788
chr10	81875534	81875534	+	3.622E-32	2.64679E-30	0.237961	hyper	sig	chr10_81875534
chr1	6385833	6385833	+	3.629E-32	2.65169E-30	-0.38201	hypo	sig	chr1_6385833
chr2	1.19E+08	118845248	+	3.642E-32	2.66063E-30	0.257015	hyper	sig	chr2_118845248
chr7	54541950	54541950	+	3.653E-32	2.66831E-30	0.275665	hyper	sig	chr7_54541950
chr5	1.41E+08	141403150	+	3.654E-32	2.66897E-30	0.249347	hyper	sig	chr5_141403150
chr15	93036930	93036930	+	3.655E-32	2.66941E-30	-0.245	hypo	sig	chr15_93036930
chr1	78491190	78491190	+	3.663E-32	2.67539E-30	0.298219	hyper	sig	chr1_78491190
chr2	1E+08	100391715	+	3.669E-32	2.67873E-30	-0.32148	hypo	sig	chr2_100391715
chr13	1.11E+08	110506701	+	3.682E-32	2.68851E-30	-0.33972	hypo	sig	chr13_110506701
chr9	37027301	37027301	+	3.688E-32	2.69263E-30	0.288332	hyper	sig	chr9_37027301
chr3	1.94E+08	194376496	+	3.742E-32	2.73165E-30	-0.22386	hypo	sig	chr3_194376496
chr7	1.55E+08	155467615	+	3.754E-32	2.73958E-30	0.303391	hyper	sig	chr7_155467615
chr10	1.01E+08	101218283	+	3.758E-32	2.74283E-30	0.280163	hyper	sig	chr10_101218283
chr9	1.36E+08	136334199	+	3.765E-32	2.74725E-30	-0.35569	hypo	sig	chr9_136334199
chr5	1.41E+08	141421021	+	3.774E-32	2.75361E-30	0.300737	hyper	sig	chr5_141421021
chr17	27293580	27293580	+	3.783E-32	2.75984E-30	-0.45529	hypo	sig	chr17_27293580
chr7	1.56E+08	155961965	+	3.787E-32	2.76271E-30	-0.27622	hypo	sig	chr7_155961965
chr16	3183073	3183073	+	3.791E-32	2.76544E-30	0.256995	hyper	sig	chr16_3183073
chr8	54459953	54459953	+	3.792E-32	2.76609E-30	0.31867	hyper	sig	chr8_54459953
chr13	35475195	35475195	+	3.795E-32	2.76754E-30	0.261457	hyper	sig	chr13_35475195
chr16	46731562	46731562	+	3.799E-32	2.77062E-30	-0.29817	hypo	sig	chr16_46731562
chr12	4809979	4809979	+	3.806E-32	2.77542E-30	0.286449	hyper	sig	chr12_4809979
chr2	1.19E+08	119158245	+	3.819E-32	2.78417E-30	0.321305	hyper	sig	chr2_119158245
chr16	89154146	89154146	+	3.819E-32	2.78458E-30	-0.25152	hypo	sig	chr16_89154146
chr7	35262250	35262250	+	3.825E-32	2.78868E-30	0.24023	hyper	sig	chr7_35262250
chr8	1.38E+08	138496860	+	3.83E-32	2.79157E-30	0.350255	hyper	sig	chr8_138496860
chr7	1.57E+08	157124801	+	3.833E-32	2.79344E-30	-0.26806	hypo	sig	chr7_157124801
chr19	40568179	40568179	+	3.87E-32	2.8196E-30	0.242926	hyper	sig	chr19_40568179
chr3	62374253	62374253	+	3.879E-32	2.82641E-30	0.275004	hyper	sig	chr3_62374253
chr7	1.01E+08	101100430	+	3.884E-32	2.82975E-30	-0.3053	hypo	sig	chr7_101100430
chr17	2058010	2058010	+	3.885E-32	2.82999E-30	0.268937	hyper	sig	chr17_2058010
chr10	13890842	13890842	+	3.9E-32	2.84061E-30	0.323586	hyper	sig	chr10_13890842
chr6	33175191	33175191	+	3.9E-32	2.84061E-30	-0.23877	hypo	sig	chr6_33175191
chr14	1.06E+08	105624920	+	3.904E-32	2.84316E-30	-0.25184	hypo	sig	chr14_105624920
chr15	74955735	74955735	+	3.904E-32	2.84316E-30	-0.33297	hypo	sig	chr15_74955735
chr6	98825692	98825692	+	3.925E-32	2.85775E-30	0.260903	hyper	sig	chr6_98825692
chr7	1.58E+08	158451068	+	3.934E-32	2.86426E-30	-0.31366	hypo	sig	chr7_158451068
chr2	1.19E+08	118834072	+	3.935E-32	2.8646E-30	0.339025	hyper	sig	chr2_118834072

chr7	1.51E+08	150969679	+	3.962E-32	2.88444E-30	-0.28937	hypo	sig	chr7_150969679
chr7	1.55E+08	155462427	+	3.966E-32	2.88683E-30	0.302227	hyper	sig	chr7_155462427
chr14	62117795	62117795	+	3.969E-32	2.88851E-30	0.270076	hyper	sig	chr14_62117795
chr17	73954912	73954912	+	3.99E-32	2.90338E-30	-0.25352	hypo	sig	chr17_73954912
chr2	38075440	38075440	+	4.015E-32	2.92145E-30	0.384906	hyper	sig	chr2_38075440
chr4	1.54E+08	154491227	+	4.026E-32	2.92919E-30	0.216901	hyper	sig	chr4_154491227
chr12	48198487	48198487	+	4.036E-32	2.93655E-30	0.252359	hyper	sig	chr12_48198487
chr20	43189273	43189273	+	4.037E-32	2.93722E-30	0.230106	hyper	sig	chr20_43189273
chr3	1.26E+08	125756251	+	4.046E-32	2.94292E-30	-0.38271	hypo	sig	chr3_125756251
chr12	1.29E+08	128853328	+	4.053E-32	2.94823E-30	0.294949	hyper	sig	chr12_128853328
chr16	88939579	88939579	+	4.074E-32	2.96315E-30	-0.20239	hypo	sig	chr16_88939579
chr11	64736080	64736080	+	4.079E-32	2.96611E-30	-0.30682	hypo	sig	chr11_64736080
chr8	24915749	24915749	+	4.079E-32	2.96611E-30	0.265129	hyper	sig	chr8_24915749
chr13	77919785	77919785	+	4.093E-32	2.97609E-30	0.266373	hyper	sig	chr13_77919785
chr11	90134719	90134719	+	4.098E-32	2.97965E-30	0.216055	hyper	sig	chr11_90134719
chr17	48579333	48579333	+	4.104E-32	2.98331E-30	-0.29183	hypo	sig	chr17_48579333
chr12	80716974	80716974	+	4.125E-32	2.99826E-30	0.284273	hyper	sig	chr12_80716974
chr15	52788331	52788331	+	4.137E-32	3.00672E-30	0.307547	hyper	sig	chr15_52788331
chr4	6574154	6574154	+	4.143E-32	3.01126E-30	-0.21886	hypo	sig	chr4_6574154
chr10	70256440	70256440	+	4.161E-32	3.02352E-30	-0.31137	hypo	sig	chr10_70256440
chr7	1169926	1169926	+	4.164E-32	3.02544E-30	0.270463	hyper	sig	chr7_1169926
chr15	83206934	83206934	+	4.168E-32	3.02843E-30	0.223108	hyper	sig	chr15_83206934
chr17	49953400	49953400	+	4.17E-32	3.0294E-30	-0.27816	hypo	sig	chr17_49953400
chr8	9905204	9905204	+	4.178E-32	3.03474E-30	0.23067	hyper	sig	chr8_9905204
chr4	89836419	89836419	+	4.208E-32	3.05669E-30	0.301619	hyper	sig	chr4_89836419
chr13	1.07E+08	106683284	+	4.222E-32	3.06563E-30	-0.36301	hypo	sig	chr13_106683284
chr8	98947321	98947321	+	4.25E-32	3.0856E-30	0.240057	hyper	sig	chr8_98947321
chr22	23573342	23573342	+	4.279E-32	3.10655E-30	-0.29975	hypo	sig	chr22_23573342
chr11	7253003	7253003	+	4.309E-32	3.12748E-30	0.290698	hyper	sig	chr11_7253003
chr16	51156162	51156162	+	4.315E-32	3.13196E-30	0.297786	hyper	sig	chr16_51156162
chr1	1.47E+08	147080186	+	4.317E-32	3.13256E-30	0.315856	hyper	sig	chr1_147080186
chr13	36430610	36430610	+	4.317E-32	3.13256E-30	0.292862	hyper	sig	chr13_36430610
chr1	24920365	24920365	+	4.319E-32	3.1335E-30	-0.27711	hypo	sig	chr1_24920365
chr1	2378655	2378655	+	4.327E-32	3.13888E-30	-0.24604	hypo	sig	chr1_2378655
chr12	1.03E+08	102961543	+	4.328E-32	3.1398E-30	0.27079	hyper	sig	chr12_102961543
chr14	41605357	41605357	+	4.343E-32	3.1501E-30	0.222693	hyper	sig	chr14_41605357
chr17	44558091	44558091	+	4.35E-32	3.15525E-30	0.214035	hyper	sig	chr17_44558091
chr17	7179696	7179696	+	4.362E-32	3.16366E-30	-0.29656	hypo	sig	chr17_7179696
chr1	75130262	75130262	+	4.363E-32	3.16386E-30	0.304692	hyper	sig	chr1_75130262
chr1	71045831	71045831	+	4.38E-32	3.17614E-30	0.348842	hyper	sig	chr1_71045831
chr1	69569433	69569433	+	4.396E-32	3.18686E-30	0.324255	hyper	sig	chr1_69569433
chr11	20601202	20601202	+	4.398E-32	3.18807E-30	0.269281	hyper	sig	chr11_20601202
chr3	1.25E+08	125357072	+	4.417E-32	3.20199E-30	0.402383	hyper	sig	chr3_125357072
chr11	78962143	78962143	+	4.425E-32	3.20716E-30	0.379021	hyper	sig	chr11_78962143
chr6	30172428	30172428	+	4.435E-32	3.21453E-30	0.294358	hyper	sig	chr6_30172428
chr11	1.29E+08	128757365	+	4.436E-32	3.21472E-30	-0.28478	hypo	sig	chr11_128757365
chr1	1.48E+08	148310406	+	4.45E-32	3.22491E-30	0.23651	hyper	sig	chr1_148310406
chr10	1.33E+08	133085458	+	4.454E-32	3.2272E-30	-0.25255	hypo	sig	chr10_133085458
chr2	11587047	11587047	+	4.46E-32	3.23152E-30	-0.29573	hypo	sig	chr2_11587047
chr12	1.14E+08	114400584	+	4.463E-32	3.23351E-30	0.242256	hyper	sig	chr12_114400584
chr7	19118500	19118500	+	4.471E-32	3.2387E-30	0.277555	hyper	sig	chr7_19118500
chr18	47251865	47251865	+	4.493E-32	3.25436E-30	0.327233	hyper	sig	chr18_47251865
chr2	2.38E+08	238131329	+	4.506E-32	3.26353E-30	-0.30701	hypo	sig	chr2_238131329
chr4	80263868	80263868	+	4.542E-32	3.28888E-30	0.299092	hyper	sig	chr4_80263868
chr3	27728769	27728769	+	4.553E-32	3.29723E-30	0.336791	hyper	sig	chr3_27728769
chr16	361302	361302	+	4.572E-32	3.31055E-30	-0.29505	hypo	sig	chr16_361302

chr8	1.42E+08	141974089	+	4.601E-32	3.33095E-30	-0.23385	hypo	sig	chr8_141974089
chr17	79712037	79712037	+	4.604E-32	3.33278E-30	-0.32128	hypo	sig	chr17_79712037
chr4	1.74E+08	173528932	+	4.612E-32	3.33833E-30	0.333776	hyper	sig	chr4_173528932
chr6	50843247	50843247	+	4.618E-32	3.34236E-30	0.296902	hyper	sig	chr6_50843247
chr4	1.09E+08	109302423	+	4.625E-32	3.34696E-30	0.221767	hyper	sig	chr4_109302423
chr17	77373585	77373585	+	4.629E-32	3.34959E-30	0.385839	hyper	sig	chr17_77373585
chr5	481540	481540	+	4.636E-32	3.3545E-30	-0.25555	hypo	sig	chr5_481540
chr10	773657	773657	+	4.647E-32	3.36189E-30	-0.37461	hypo	sig	chr10_773657
chr5	6631694	6631694	+	4.665E-32	3.37444E-30	-0.33362	hypo	sig	chr5_6631694
chr5	1.59E+08	159100699	+	4.68E-32	3.38507E-30	0.251433	hyper	sig	chr5_159100699
chr20	21514326	21514326	+	4.701E-32	3.39977E-30	0.371816	hyper	sig	chr20_21514326
chr16	86513969	86513969	+	4.703E-32	3.40121E-30	0.37415	hyper	sig	chr16_86513969
chr7	1.56E+08	155830167	+	4.713E-32	3.40827E-30	-0.29363	hypo	sig	chr7_155830167
chr20	56925524	56925524	+	4.714E-32	3.40831E-30	0.228977	hyper	sig	chr20_56925524
chr6	99602956	99602956	+	4.722E-32	3.41375E-30	0.239831	hyper	sig	chr6_99602956
chr1	1.47E+08	147073285	+	4.729E-32	3.41859E-30	0.267893	hyper	sig	chr1_147073285
chr20	46513605	46513605	+	4.751E-32	3.43379E-30	0.25984	hyper	sig	chr20_46513605
chr12	1.14E+08	114404934	+	4.793E-32	3.46412E-30	0.297231	hyper	sig	chr12_114404934
chr6	28775969	28775969	+	4.797E-32	3.46708E-30	0.297313	hyper	sig	chr6_28775969
chr2	691012	691012	+	4.808E-32	3.47467E-30	-0.34753	hypo	sig	chr2_691012
chr19	524334	524334	+	4.847E-32	3.50234E-30	-0.28525	hypo	sig	chr19_524334
chr17	29613472	29613472	+	4.867E-32	3.51623E-30	0.225355	hyper	sig	chr17_29613472
chr4	1.74E+08	173519320	+	4.972E-32	3.59198E-30	0.210615	hyper	sig	chr4_173519320
chr5	1444737	1444737	+	4.985E-32	3.60052E-30	0.221401	hyper	sig	chr5_1444737
chr12	53945040	53945040	+	4.997E-32	3.60869E-30	0.223671	hyper	sig	chr12_53945040
chr2	74515182	74515182	+	4.997E-32	3.60869E-30	0.276284	hyper	sig	chr2_74515182
chr1	24321715	24321715	+	5.011E-32	3.61825E-30	-0.30789	hypo	sig	chr1_24321715
chr18	45775688	45775688	+	5.017E-32	3.62223E-30	0.304492	hyper	sig	chr18_45775688
chr20	63007238	63007238	+	5.024E-32	3.62761E-30	0.317581	hyper	sig	chr20_63007238
chr8	1.44E+08	143599358	+	5.032E-32	3.63297E-30	0.278431	hyper	sig	chr8_143599358
chr8	66962140	66962140	+	5.052E-32	3.64698E-30	0.224718	hyper	sig	chr8_66962140
chr19	57320867	57320867	+	5.066E-32	3.65677E-30	0.241712	hyper	sig	chr19_57320867
chr3	1.47E+08	147380779	+	5.075E-32	3.66304E-30	0.262832	hyper	sig	chr3_147380779
chr6	1.37E+08	137495381	+	5.089E-32	3.67282E-30	0.211294	hyper	sig	chr6_137495381
chr16	71426341	71426341	+	5.102E-32	3.68134E-30	0.21111	hyper	sig	chr16_71426341
chr5	64506571	64506571	+	5.105E-32	3.68377E-30	0.225925	hyper	sig	chr5_64506571
chr2	1.76E+08	176083383	+	5.116E-32	3.69093E-30	0.22388	hyper	sig	chr2_176083383
chr1	3579192	3579192	+	5.13E-32	3.70071E-30	-0.27736	hypo	sig	chr1_3579192
chr18	9912898	9912898	+	5.139E-32	3.70715E-30	-0.28322	hypo	sig	chr18_9912898
chr20	63007236	63007236	+	5.141E-32	3.70818E-30	0.297377	hyper	sig	chr20_63007236
chr15	83284056	83284056	+	5.148E-32	3.71251E-30	0.359715	hyper	sig	chr15_83284056
chr2	1837296	1837296	+	5.148E-32	3.71251E-30	-0.25628	hypo	sig	chr2_1837296
chr15	26866846	26866846	+	5.151E-32	3.71399E-30	0.315092	hyper	sig	chr15_26866846
chr2	53860262	53860262	+	5.162E-32	3.72169E-30	0.423161	hyper	sig	chr2_53860262
chr9	98944335	98944335	+	5.187E-32	3.73991E-30	0.255184	hyper	sig	chr9_98944335
chr9	37026677	37026677	+	5.207E-32	3.75379E-30	0.333473	hyper	sig	chr9_37026677
chr9	19789348	19789348	+	5.243E-32	3.77932E-30	0.269943	hyper	sig	chr9_19789348
chr1	1.44E+08	143661911	+	5.276E-32	3.80238E-30	0.26269	hyper	sig	chr1_143661911
chr10	27745262	27745262	+	5.283E-32	3.80682E-30	0.341079	hyper	sig	chr10_27745262
chr8	70070756	70070756	+	5.311E-32	3.82669E-30	0.33983	hyper	sig	chr8_70070756
chr1	20473423	20473423	+	5.313E-32	3.82785E-30	0.306703	hyper	sig	chr1_20473423
chr5	1.41E+08	141370178	+	5.328E-32	3.83877E-30	0.251156	hyper	sig	chr5_141370178
chr5	1.41E+08	141430781	+	5.335E-32	3.84304E-30	0.271752	hyper	sig	chr5_141430781
chr16	46885200	46885200	+	5.341E-32	3.84752E-30	-0.31029	hypo	sig	chr16_46885200
chr6	1.68E+08	167978002	+	5.357E-32	3.85839E-30	-0.27727	hypo	sig	chr6_167978002
chr18	55779553	55779553	+	5.359E-32	3.85934E-30	0.329708	hyper	sig	chr18_55779553

chr16	55656546	55656546	+	5.406E-32	3.89325E-30	0.268919	hyper	sig	chr16_55656546
chr13	1.02E+08	101917194	+	5.417E-32	3.90027E-30	0.28385	hyper	sig	chr13_101917194
chr8	741167	741167	+	5.418E-32	3.90074E-30	-0.29109	hypo	sig	chr8_741167
chr15	47184246	47184246	+	5.448E-32	3.92198E-30	0.213391	hyper	sig	chr15_47184246
chr4	1.72E+08	171813294	+	5.466E-32	3.93449E-30	0.34945	hyper	sig	chr4_171813294
chr11	1.23E+08	122977869	+	5.469E-32	3.93692E-30	0.29314	hyper	sig	chr11_122977869
chr22	17370970	17370970	+	5.478E-32	3.9426E-30	0.322097	hyper	sig	chr22_17370970
chr17	17352226	17352226	+	5.485E-32	3.94721E-30	-0.30263	hypo	sig	chr17_17352226
chr17	82715795	82715795	+	5.51E-32	3.96537E-30	-0.28581	hypo	sig	chr17_82715795
chr8	1931545	1931545	+	5.549E-32	3.99248E-30	-0.26858	hypo	sig	chr8_1931545
chr2	1.3E+08	129979687	+	5.562E-32	4.00203E-30	0.239747	hyper	sig	chr2_129979687
chr13	1.12E+08	111640185	+	5.566E-32	4.00446E-30	-0.25862	hypo	sig	chr13_111640185
chr5	1.59E+08	159104694	+	5.594E-32	4.02365E-30	0.322136	hyper	sig	chr5_159104694
chr16	86516343	86516343	+	5.601E-32	4.02867E-30	0.230517	hyper	sig	chr16_86516343
chr9	1.34E+08	134461741	+	5.609E-32	4.03364E-30	-0.25825	hypo	sig	chr9_134461741
chr17	46819623	46819623	+	5.627E-32	4.04606E-30	0.285634	hyper	sig	chr17_46819623
chr5	1.59E+08	159104871	+	5.632E-32	4.05001E-30	0.37904	hyper	sig	chr5_159104871
chr13	78596472	78596472	+	5.648E-32	4.06065E-30	0.376965	hyper	sig	chr13_78596472
chr14	89137711	89137711	+	5.652E-32	4.06335E-30	-0.25985	hypo	sig	chr14_89137711
chr12	1.32E+08	132479002	+	5.673E-32	4.07797E-30	-0.30257	hypo	sig	chr12_132479002
chr5	1.71E+08	171308770	+	5.68E-32	4.0825E-30	0.303915	hyper	sig	chr5_171308770
chr5	1.41E+08	141421681	+	5.685E-32	4.08605E-30	0.257073	hyper	sig	chr5_141421681
chr7	1513579	1513579	+	5.753E-32	4.13443E-30	-0.29462	hypo	sig	chr7_1513579
chr16	88328238	88328238	+	5.783E-32	4.15562E-30	-0.30461	hypo	sig	chr16_88328238
chr7	23490828	23490828	+	5.796E-32	4.16457E-30	0.252554	hyper	sig	chr7_23490828
chr10	1.01E+08	101062021	+	5.803E-32	4.1687E-30	-0.39413	hypo	sig	chr10_101062021
chr5	1.23E+08	123095076	+	5.809E-32	4.17255E-30	0.248038	hyper	sig	chr5_123095076
chr3	1.38E+08	137761295	+	5.825E-32	4.1837E-30	0.308625	hyper	sig	chr3_137761295
chr7	50733745	50733745	+	5.826E-32	4.18456E-30	-0.27941	hypo	sig	chr7_50733745
chr16	86580005	86580005	+	5.893E-32	4.23225E-30	0.290143	hyper	sig	chr16_86580005
chr1	2E+08	200036091	+	5.904E-32	4.23962E-30	0.352987	hyper	sig	chr1_200036091
chr5	88678728	88678728	+	5.932E-32	4.25955E-30	0.233196	hyper	sig	chr5_88678728
chr1	6089417	6089417	+	5.985E-32	4.29722E-30	-0.23435	hypo	sig	chr1_6089417
chr8	66962150	66962150	+	5.989E-32	4.29984E-30	0.232846	hyper	sig	chr8_66962150
chr13	1.02E+08	102400537	+	6.001E-32	4.30804E-30	0.294928	hyper	sig	chr13_102400537
chr12	72273618	72273618	+	6.003E-32	4.30854E-30	0.270956	hyper	sig	chr12_72273618
chr11	22193861	22193861	+	6.016E-32	4.31797E-30	0.229135	hyper	sig	chr11_22193861
chr10	43846531	43846531	+	6.024E-32	4.32336E-30	-0.3454	hypo	sig	chr10_43846531
chr19	57351042	57351042	+	6.034E-32	4.33021E-30	0.222738	hyper	sig	chr19_57351042
chr6	1.7E+08	170224841	+	6.067E-32	4.35306E-30	-0.30148	hypo	sig	chr6_170224841
chr17	80352895	80352895	+	6.07E-32	4.35495E-30	-0.29719	hypo	sig	chr17_80352895
chr18	79426389	79426389	+	6.082E-32	4.36339E-30	-0.25171	hypo	sig	chr18_79426389
chr12	1.31E+08	131133479	+	6.087E-32	4.36658E-30	-0.29086	hypo	sig	chr12_131133479
chr11	20669245	20669245	+	6.109E-32	4.38189E-30	0.336608	hyper	sig	chr11_20669245
chr12	54034387	54034387	+	6.111E-32	4.38251E-30	0.282871	hyper	sig	chr12_54034387
chr21	26967910	26967910	+	6.111E-32	4.38251E-30	0.308154	hyper	sig	chr21_26967910
chr11	2133459	2133459	+	6.12E-32	4.38867E-30	-0.26389	hypo	sig	chr11_2133459
chr6	27275166	27275166	+	6.13E-32	4.39541E-30	0.221078	hyper	sig	chr6_27275166
chr20	23049430	23049430	+	6.132E-32	4.39611E-30	0.230159	hyper	sig	chr20_23049430
chr2	2.41E+08	240982659	+	6.141E-32	4.40208E-30	-0.2837	hypo	sig	chr2_240982659
chr11	1.09E+08	109423417	+	6.141E-32	4.40209E-30	0.296477	hyper	sig	chr11_109423417
chr2	44932959	44932959	+	6.155E-32	4.41129E-30	0.310954	hyper	sig	chr2_44932959
chr14	85529900	85529900	+	6.164E-32	4.41792E-30	0.26155	hyper	sig	chr14_85529900
chr14	97219573	97219573	+	6.21E-32	4.4506E-30	0.276292	hyper	sig	chr14_97219573
chr4	1.76E+08	176001525	+	6.233E-32	4.46616E-30	0.352574	hyper	sig	chr4_176001525
chr3	1.54E+08	154428706	+	6.238E-32	4.46977E-30	0.360007	hyper	sig	chr3_154428706

chr7	24285365	24285365	+	6.241E-32	4.47147E-30	0.301289	hyper	sig	chr7_24285365
chr7	38975990	38975990	+	6.262E-32	4.48615E-30	0.327451	hyper	sig	chr7_38975990
chr4	1.77E+08	176792133	+	6.272E-32	4.4929E-30	0.211139	hyper	sig	chr4_176792133
chr1	898803	898803	+	6.313E-32	4.52202E-30	-0.2829	hypo	sig	chr1_898803
chr11	1.34E+08	133935179	+	6.318E-32	4.5247E-30	-0.20436	hypo	sig	chr11_133935179
chr11	20669384	20669384	+	6.323E-32	4.52806E-30	0.376511	hyper	sig	chr11_20669384
chr20	25083244	25083244	+	6.325E-32	4.529E-30	0.360357	hyper	sig	chr20_25083244
chr1	12063495	12063495	+	6.354E-32	4.54943E-30	0.201634	hyper	sig	chr1_12063495
chr1	2911233	2911233	+	6.367E-32	4.55818E-30	-0.23972	hypo	sig	chr1_2911233
chr14	26598681	26598681	+	6.373E-32	4.56201E-30	0.294907	hyper	sig	chr14_26598681
chr19	51949106	51949106	+	6.374E-32	4.56205E-30	0.287985	hyper	sig	chr19_51949106
chr2	61162055	61162055	+	6.374E-32	4.56205E-30	-0.32655	hypo	sig	chr2_61162055
chr10	593982	593982	+	6.396E-32	4.57784E-30	-0.27071	hypo	sig	chr10_593982
chr5	1.41E+08	140848855	+	6.419E-32	4.59387E-30	0.273612	hyper	sig	chr5_140848855
chr7	35185754	35185754	+	6.433E-32	4.60283E-30	0.219846	hyper	sig	chr7_35185754
chr4	1.74E+08	173538081	+	6.44E-32	4.60724E-30	0.36476	hyper	sig	chr4_173538081
chr5	1.41E+08	141403253	+	6.452E-32	4.61536E-30	0.263408	hyper	sig	chr5_141403253
chr10	1.14E+08	113552794	+	6.457E-32	4.61851E-30	-0.26488	hypo	sig	chr10_113552794
chr21	26845403	26845403	+	6.485E-32	4.63804E-30	0.231694	hyper	sig	chr21_26845403
chr1	2.29E+08	229434079	+	6.497E-32	4.6458E-30	0.283011	hyper	sig	chr1_229434079
chr2	5691130	5691130	+	6.498E-32	4.6465E-30	0.287353	hyper	sig	chr2_5691130
chr5	55230730	55230730	+	6.503E-32	4.64978E-30	0.283933	hyper	sig	chr5_55230730
chr19	45671307	45671307	+	6.55E-32	4.68288E-30	-0.23276	hypo	sig	chr19_45671307
chr10	1.3E+08	129966548	+	6.569E-32	4.6957E-30	0.306821	hyper	sig	chr10_129966548
chr5	1640086	1640086	+	6.571E-32	4.69691E-30	-0.28133	hypo	sig	chr5_1640086
chr4	1.72E+08	171813308	+	6.573E-32	4.69808E-30	0.359334	hyper	sig	chr4_171813308
chr13	20713923	20713923	+	6.595E-32	4.71294E-30	-0.38433	hypo	sig	chr13_20713923
chr16	85483768	85483768	+	6.598E-32	4.71465E-30	-0.25699	hypo	sig	chr16_85483768
chr16	86578716	86578716	+	6.631E-32	4.7375E-30	0.277744	hyper	sig	chr16_86578716
chr2	2.37E+08	236568248	+	6.63E-32	4.7375E-30	0.230044	hyper	sig	chr2_236568248
chr2	1.32E+08	132257125	+	6.653E-32	4.75287E-30	0.30383	hyper	sig	chr2_132257125
chr12	85273596	85273596	+	6.673E-32	4.76663E-30	0.285785	hyper	sig	chr12_85273596
chr6	1.52E+08	151807785	+	6.685E-32	4.77477E-30	0.249651	hyper	sig	chr6_151807785
chr11	32436192	32436192	+	6.686E-32	4.77546E-30	0.21945	hyper	sig	chr11_32436192
chr5	88889930	88889930	+	6.687E-32	4.77546E-30	0.223313	hyper	sig	chr5_88889930
chr5	1.41E+08	141403139	+	6.697E-32	4.78252E-30	0.263709	hyper	sig	chr5_141403139
chr6	32061671	32061671	+	6.714E-32	4.79385E-30	-0.34843	hypo	sig	chr6_32061671
chr7	1.01E+08	100865705	+	6.75E-32	4.81905E-30	-0.36688	hypo	sig	chr7_100865705
chr11	1414287	1414287	+	6.799E-32	4.85407E-30	-0.29529	hypo	sig	chr11_1414287
chr1	1.47E+08	147078348	+	6.812E-32	4.86283E-30	0.302242	hyper	sig	chr1_147078348
chr12	1.32E+08	132394348	+	6.823E-32	4.86987E-30	-0.27659	hypo	sig	chr12_132394348
chr5	3606949	3606949	+	6.827E-32	4.87232E-30	0.279272	hyper	sig	chr5_3606949
chr1	75132400	75132400	+	6.848E-32	4.88687E-30	0.300762	hyper	sig	chr1_75132400
chr3	68932830	68932830	+	6.861E-32	4.89571E-30	0.241148	hyper	sig	chr3_68932830
chr5	1859626	1859626	+	6.884E-32	4.91096E-30	-0.27194	hypo	sig	chr5_1859626
chr3	1.47E+08	147398174	+	6.885E-32	4.91161E-30	0.276449	hyper	sig	chr3_147398174
chr9	1.24E+08	124485686	+	6.894E-32	4.91737E-30	-0.27925	hypo	sig	chr9_124485686
chr15	64894306	64894306	+	6.896E-32	4.91831E-30	0.299381	hyper	sig	chr15_64894306
chr6	36285306	36285306	+	6.982E-32	4.97928E-30	0.272274	hyper	sig	chr6_36285306
chr6	1E+08	100447333	+	6.987E-32	4.98236E-30	0.240315	hyper	sig	chr6_100447333
chr5	37838360	37838360	+	7.012E-32	4.9993E-30	0.212571	hyper	sig	chr5_37838360
chr2	66581994	66581994	+	7.034E-32	5.01424E-30	0.372337	hyper	sig	chr2_66581994
chr19	9362958	9362958	+	7.036E-32	5.01524E-30	0.280768	hyper	sig	chr19_9362958
chr3	1.82E+08	181723708	+	7.048E-32	5.02299E-30	0.241474	hyper	sig	chr3_181723708
chr6	1.38E+08	138105035	+	7.061E-32	5.0319E-30	-0.33222	hypo	sig	chr6_138105035
chr10	22345816	22345816	+	7.068E-32	5.03651E-30	0.35441	hyper	sig	chr10_22345816

chr15	40239770	40239770	+	7.082E-32	5.04586E-30	-0.27273	hypo	sig	chr15_40239770
chr4	1.55E+08	155376850	+	7.158E-32	5.09942E-30	0.243445	hyper	sig	chr4_155376850
chr10	23693454	23693454	+	7.178E-32	5.11332E-30	0.267272	hyper	sig	chr10_23693454
chr3	1.49E+08	148697939	+	7.191E-32	5.12211E-30	0.210517	hyper	sig	chr3_148697939
chr11	8169064	8169064	+	7.202E-32	5.12963E-30	0.233169	hyper	sig	chr11_8169064
chr4	664035	664035	+	7.213E-32	5.13696E-30	0.322453	hyper	sig	chr4_664035
chr7	27108644	27108644	+	7.218E-32	5.14019E-30	0.292328	hyper	sig	chr7_27108644
chr20	25083230	25083230	+	7.243E-32	5.1573E-30	0.349243	hyper	sig	chr20_25083230
chr7	35254819	35254819	+	7.256E-32	5.16613E-30	0.329381	hyper	sig	chr7_35254819
chr10	1609098	1609098	+	7.29E-32	5.18981E-30	0.205361	hyper	sig	chr10_1609098
chr2	66425719	66425719	+	7.315E-32	5.20747E-30	0.237767	hyper	sig	chr2_66425719
chr13	26760117	26760117	+	7.318E-32	5.20917E-30	0.214681	hyper	sig	chr13_26760117
chr11	69382501	69382501	+	7.323E-32	5.21172E-30	-0.2423	hypo	sig	chr11_69382501
chr17	48727011	48727011	+	7.327E-32	5.21464E-30	0.275036	hyper	sig	chr17_48727011
chr4	1.83E+08	182880826	+	7.344E-32	5.22582E-30	-0.234	hypo	sig	chr4_182880826
chr20	52104729	52104729	+	7.347E-32	5.22748E-30	0.204045	hyper	sig	chr20_52104729
chr3	68931851	68931851	+	7.357E-32	5.23417E-30	0.312726	hyper	sig	chr3_68931851
chr8	70070811	70070811	+	7.369E-32	5.24229E-30	0.244723	hyper	sig	chr8_70070811
chr11	94769658	94769658	+	7.373E-32	5.24511E-30	0.23985	hyper	sig	chr11_94769658
chr11	90134717	90134717	+	7.405E-32	5.2671E-30	0.215082	hyper	sig	chr11_90134717
chr5	1.14E+08	114053189	+	7.423E-32	5.27952E-30	-0.30876	hypo	sig	chr5_114053189
chr13	35478973	35478973	+	7.424E-32	5.27962E-30	0.248778	hyper	sig	chr13_35478973
chr6	1.66E+08	166170046	+	7.434E-32	5.28643E-30	0.385218	hyper	sig	chr6_166170046
chr2	1.92E+08	192194909	+	7.451E-32	5.29763E-30	0.25675	hyper	sig	chr2_192194909
chr6	50836137	50836137	+	7.474E-32	5.31419E-30	0.214676	hyper	sig	chr6_50836137
chr11	45355414	45355414	+	7.478E-32	5.31627E-30	0.236451	hyper	sig	chr11_45355414
chr11	22193881	22193881	+	7.481E-32	5.31782E-30	0.262191	hyper	sig	chr11_22193881
chr7	54542627	54542627	+	7.493E-32	5.32631E-30	0.287048	hyper	sig	chr7_54542627
chr13	53202171	53202171	+	7.51E-32	5.33763E-30	0.311063	hyper	sig	chr13_53202171
chr11	2140720	2140720	+	7.513E-32	5.33909E-30	0.2456	hyper	sig	chr11_2140720
chr10	27745162	27745162	+	7.57E-32	5.37927E-30	0.334854	hyper	sig	chr10_27745162
chr10	1.28E+08	128484521	+	7.588E-32	5.39188E-30	-0.2948	hypo	sig	chr10_128484521
chr17	48606244	48606244	+	7.589E-32	5.39188E-30	-0.23113	hypo	sig	chr17_48606244
chr10	1.32E+08	132226871	+	7.606E-32	5.40366E-30	-0.21535	hypo	sig	chr10_132226871
chr12	72274005	72274005	+	7.613E-32	5.40781E-30	0.304921	hyper	sig	chr12_72274005
chr19	56507702	56507702	+	7.629E-32	5.41906E-30	0.314657	hyper	sig	chr19_56507702
chr2	1.3E+08	130006007	+	7.648E-32	5.43156E-30	0.282252	hyper	sig	chr2_130006007
chr15	52787343	52787343	+	7.7E-32	5.46801E-30	0.26704	hyper	sig	chr15_52787343
chr11	1.07E+08	107019460	+	7.706E-32	5.47217E-30	0.224311	hyper	sig	chr11_107019460
chr10	93060280	93060280	+	7.727E-32	5.48688E-30	0.286472	hyper	sig	chr10_93060280
chr10	26215325	26215325	+	7.742E-32	5.49663E-30	0.307433	hyper	sig	chr10_26215325
chr20	63064433	63064433	+	7.745E-32	5.49844E-30	-0.25934	hypo	sig	chr20_63064433
chr18	79430102	79430102	+	7.756E-32	5.50568E-30	-0.26576	hypo	sig	chr18_79430102
chr7	19145802	19145802	+	7.757E-32	5.50568E-30	0.293236	hyper	sig	chr7_19145802
chr8	32549379	32549379	+	7.766E-32	5.5121E-30	0.20557	hyper	sig	chr8_32549379
chr10	1.24E+08	123891503	+	7.769E-32	5.5138E-30	0.235343	hyper	sig	chr10_123891503
chr1	1.58E+08	158181520	+	7.806E-32	5.53932E-30	0.324885	hyper	sig	chr1_158181520
chr6	10887382	10887382	+	7.82E-32	5.54843E-30	0.329151	hyper	sig	chr6_10887382
chr7	2662155	2662155	+	7.837E-32	5.56018E-30	-0.28821	hypo	sig	chr7_2662155
chr8	11703949	11703949	+	7.838E-32	5.56051E-30	0.23185	hyper	sig	chr8_11703949
chr5	1.33E+08	132819608	+	7.86E-32	5.57577E-30	-0.25621	hypo	sig	chr5_132819608
chr17	81841523	81841523	+	7.885E-32	5.59268E-30	-0.30169	hypo	sig	chr17_81841523
chr2	467853	467853	+	7.974E-32	5.65556E-30	0.269593	hyper	sig	chr2_467853
chr5	73298777	73298777	+	7.995E-32	5.66986E-30	0.247036	hyper	sig	chr5_73298777
chr4	1.74E+08	173524198	+	8.01E-32	5.67984E-30	0.259965	hyper	sig	chr4_173524198
chr6	1.27E+08	127119911	+	8.013E-32	5.68151E-30	0.233776	hyper	sig	chr6_127119911

chr12	1.11E+08	111036207	+	8.025E-32	5.68959E-30	0.218608	hyper	sig	chr12_111036207
chr13	1.14E+08	113648306	+	8.047E-32	5.70442E-30	-0.25565	hypo	sig	chr13_113648306
chr17	8326878	8326878	+	8.05E-32	5.70663E-30	0.217467	hyper	sig	chr17_8326878
chr8	1.08E+08	108083723	+	8.052E-32	5.70704E-30	0.246239	hyper	sig	chr8_108083723
chr2	74415366	74415366	+	8.093E-32	5.73561E-30	0.295441	hyper	sig	chr2_74415366
chr11	31799774	31799774	+	8.118E-32	5.75221E-30	0.276113	hyper	sig	chr11_31799774
chr19	36973499	36973499	+	8.128E-32	5.75878E-30	0.375248	hyper	sig	chr19_36973499
chr11	20160475	20160475	+	8.161E-32	5.78185E-30	0.277074	hyper	sig	chr11_20160475
chr11	1918316	1918316	+	8.179E-32	5.79394E-30	-0.31596	hypo	sig	chr11_1918316
chr19	21475223	21475223	+	8.183E-32	5.79594E-30	0.337851	hyper	sig	chr19_21475223
chr17	64779194	64779194	+	8.231E-32	5.82963E-30	0.323357	hyper	sig	chr17_64779194
chr2	11587111	11587111	+	8.256E-32	5.8469E-30	-0.33491	hypo	sig	chr2_11587111
chr19	34962786	34962786	+	8.264E-32	5.85224E-30	-0.37882	hypo	sig	chr19_34962786
chr15	24477864	24477864	+	8.266E-32	5.85296E-30	0.26536	hyper	sig	chr15_24477864
chr12	48198690	48198690	+	8.271E-32	5.85578E-30	0.245605	hyper	sig	chr12_48198690
chr12	84912010	84912010	+	8.293E-32	5.87119E-30	0.323742	hyper	sig	chr12_84912010
chr2	2.41E+08	241081818	+	8.324E-32	5.8924E-30	-0.28851	hypo	sig	chr2_241081818
chr4	41879908	41879908	+	8.344E-32	5.90572E-30	0.244872	hyper	sig	chr4_41879908
chr5	77639219	77639219	+	8.345E-32	5.90591E-30	0.304254	hyper	sig	chr5_77639219
chr10	1.33E+08	132851659	+	8.38E-32	5.93075E-30	-0.33756	hypo	sig	chr10_132851659
chr14	1.04E+08	104223907	+	8.398E-32	5.94302E-30	0.244035	hyper	sig	chr14_104223907
chr5	1.46E+08	146343194	+	8.403E-32	5.94549E-30	0.226522	hyper	sig	chr5_146343194
chr11	1.34E+08	133787577	+	8.443E-32	5.97337E-30	0.400972	hyper	sig	chr11_133787577
chr8	49911790	49911790	+	8.498E-32	6.01173E-30	0.296747	hyper	sig	chr8_49911790
chr18	25349260	25349260	+	8.556E-32	6.05227E-30	0.250621	hyper	sig	chr18_25349260
chr22	49930560	49930560	+	8.563E-32	6.05653E-30	-0.28636	hypo	sig	chr22_49930560
chr5	1.41E+08	141413929	+	8.583E-32	6.07042E-30	0.252214	hyper	sig	chr5_141413929
chr2	1.19E+08	118845546	+	8.65E-32	6.11734E-30	0.286594	hyper	sig	chr2_118845546
chr12	4909282	4909282	+	8.7E-32	6.15134E-30	0.359162	hyper	sig	chr12_4909282
chr7	2661987	2661987	+	8.703E-32	6.15336E-30	-0.3057	hypo	sig	chr7_2661987
chr11	94769451	94769451	+	8.712E-32	6.15887E-30	0.234998	hyper	sig	chr11_94769451
chr13	1.07E+08	106683308	+	8.741E-32	6.17923E-30	-0.38173	hypo	sig	chr13_106683308
chr3	43997963	43997963	+	8.757E-32	6.18959E-30	0.276176	hyper	sig	chr3_43997963
chr9	1.3E+08	129620816	+	8.766E-32	6.19563E-30	0.244626	hyper	sig	chr9_129620816
chr2	1.37E+08	136766085	+	8.782E-32	6.20627E-30	0.265867	hyper	sig	chr2_136766085
chr16	49278138	49278138	+	8.784E-32	6.20737E-30	0.29871	hyper	sig	chr16_49278138
chr13	1.02E+08	101916578	+	8.79E-32	6.21115E-30	0.308558	hyper	sig	chr13_101916578
chr4	5708111	5708111	+	8.829E-32	6.23801E-30	0.291008	hyper	sig	chr4_5708111
chr17	21378038	21378038	+	8.831E-32	6.23893E-30	0.212047	hyper	sig	chr17_21378038
chr4	1.57E+08	157220340	+	8.866E-32	6.26291E-30	0.251695	hyper	sig	chr4_157220340
chr8	88326861	88326861	+	8.871E-32	6.26619E-30	0.255688	hyper	sig	chr8_88326861
chr1	1.44E+08	143662012	+	8.894E-32	6.28129E-30	0.235677	hyper	sig	chr1_143662012
chr13	95552918	95552918	+	8.896E-32	6.2824E-30	0.394492	hyper	sig	chr13_95552918
chr18	47248552	47248552	+	8.905E-32	6.28838E-30	0.242893	hyper	sig	chr18_47248552
chr11	32439230	32439230	+	8.921E-32	6.29905E-30	0.209169	hyper	sig	chr11_32439230
chr11	86195312	86195312	+	8.939E-32	6.31137E-30	-0.254	hypo	sig	chr11_86195312
chr8	1.41E+08	141085136	+	8.947E-32	6.3165E-30	-0.23767	hypo	sig	chr8_141085136
chr8	1.42E+08	141760610	+	8.958E-32	6.32381E-30	-0.24319	hypo	sig	chr8_141760610
chr11	1.33E+08	133064244	+	8.959E-32	6.32388E-30	0.262424	hyper	sig	chr11_133064244
chr19	36331540	36331540	+	8.97E-32	6.33063E-30	0.275155	hyper	sig	chr19_36331540
chr14	28774340	28774340	+	9.021E-32	6.36656E-30	0.278183	hyper	sig	chr14_28774340
chr12	1.11E+08	111287720	+	9.048E-32	6.3851E-30	-0.38667	hypo	sig	chr12_111287720
chr12	1.14E+08	113669943	+	9.051E-32	6.38644E-30	0.279724	hyper	sig	chr12_113669943
chr10	55630556	55630556	+	9.056E-32	6.38903E-30	0.339462	hyper	sig	chr10_55630556
chr7	1.55E+08	155257766	+	9.099E-32	6.41895E-30	-0.33538	hypo	sig	chr7_155257766
chr13	78595699	78595699	+	9.116E-32	6.43065E-30	0.280186	hyper	sig	chr13_78595699

chr15	89408556	89408556	+	9.141E-32	6.44787E-30	0.210611	hyper	sig	chr15_89408556
chr10	55628540	55628540	+	9.147E-32	6.451E-30	0.272248	hyper	sig	chr10_55628540
chr2	5696148	5696148	+	9.15E-32	6.45321E-30	0.306833	hyper	sig	chr2_5696148
chr19	728095	728095	+	9.16E-32	6.45937E-30	-0.27633	hypo	sig	chr19_728095
chr20	45097905	45097905	+	9.216E-32	6.49822E-30	0.272301	hyper	sig	chr20_45097905
chr4	6379085	6379085	+	9.219E-32	6.49982E-30	-0.24895	hypo	sig	chr4_6379085
chr8	1.43E+08	142612950	+	9.23E-32	6.50699E-30	-0.30604	hypo	sig	chr8_142612950
chr8	98947227	98947227	+	9.233E-32	6.50872E-30	0.279329	hyper	sig	chr8_98947227
chr19	37551207	37551207	+	9.24E-32	6.51297E-30	0.310939	hyper	sig	chr19_37551207
chr7	1.5E+08	149715221	+	9.249E-32	6.51871E-30	0.271055	hyper	sig	chr7_149715221
chr1	7059014	7059014	+	9.264E-32	6.52847E-30	-0.2572	hypo	sig	chr1_7059014
chr10	69569328	69569328	+	9.281E-32	6.54021E-30	0.357388	hyper	sig	chr10_69569328
chr11	521059	521059	+	9.299E-32	6.5515E-30	-0.26592	hypo	sig	chr11_521059
chr3	62377249	62377249	+	9.301E-32	6.55234E-30	0.284738	hyper	sig	chr3_62377249
chr5	51387763	51387763	+	9.31E-32	6.55816E-30	0.247405	hyper	sig	chr5_51387763
chr17	52157989	52157989	+	9.317E-32	6.56252E-30	0.282946	hyper	sig	chr17_52157989
chr10	22345367	22345367	+	9.349E-32	6.58483E-30	0.329306	hyper	sig	chr10_22345367
chr16	89248037	89248037	+	9.361E-32	6.59231E-30	0.335143	hyper	sig	chr16_89248037
chr1	1.47E+08	147080115	+	9.363E-32	6.59323E-30	0.28652	hyper	sig	chr1_147080115
chr5	172930	172930	+	9.368E-32	6.59648E-30	-0.3257	hypo	sig	chr5_172930
chr5	63961867	63961867	+	9.381E-32	6.60491E-30	0.285659	hyper	sig	chr5_63961867
chr7	54542239	54542239	+	9.402E-32	6.61893E-30	0.307365	hyper	sig	chr7_54542239
chr11	1.29E+08	128824277	+	9.413E-32	6.62659E-30	0.304458	hyper	sig	chr11_128824277
chr9	971503	971503	+	9.436E-32	6.64183E-30	0.344411	hyper	sig	chr9_971503
chr3	1.72E+08	172448419	+	9.473E-32	6.66705E-30	0.271196	hyper	sig	chr3_172448419
chr2	1.05E+08	105399711	+	9.477E-32	6.66975E-30	-0.23407	hypo	sig	chr2_105399711
chr22	46085052	46085052	+	9.488E-32	6.67673E-30	-0.29289	hypo	sig	chr22_46085052
chr3	1.47E+08	147409930	+	9.599E-32	6.75393E-30	0.297046	hyper	sig	chr3_147409930
chr13	20946359	20946359	+	9.611E-32	6.76206E-30	0.332027	hyper	sig	chr13_20946359
chr7	1.51E+08	151187940	+	9.641E-32	6.78235E-30	-0.24206	hypo	sig	chr7_151187940
chr2	1665133	1665133	+	9.642E-32	6.78311E-30	-0.2804	hypo	sig	chr2_1665133
chr10	1.24E+08	123891497	+	9.653E-32	6.78962E-30	0.248033	hyper	sig	chr10_123891497
chr10	1.32E+08	132132404	+	9.658E-32	6.79256E-30	-0.40045	hypo	sig	chr10_132132404
chr4	7425604	7425604	+	9.684E-32	6.81069E-30	-0.28094	hypo	sig	chr4_7425604
chr5	1.17E+08	116576621	+	9.699E-32	6.8207E-30	0.28437	hyper	sig	chr5_116576621
chr14	41606557	41606557	+	9.721E-32	6.83512E-30	0.290271	hyper	sig	chr14_41606557
chr3	1.47E+08	147411178	+	9.723E-32	6.83612E-30	0.323985	hyper	sig	chr3_147411178
chr22	46575800	46575800	+	9.734E-32	6.84312E-30	-0.20452	hypo	sig	chr22_46575800
chr15	28832154	28832154	+	9.739E-32	6.84604E-30	0.285507	hyper	sig	chr15_28832154
chr14	47675053	47675053	+	9.75E-32	6.85354E-30	0.380169	hyper	sig	chr14_47675053
chr12	1.11E+08	111033747	+	9.759E-32	6.85906E-30	0.393406	hyper	sig	chr12_111033747
chr10	3287553	3287553	+	9.772E-32	6.86788E-30	-0.33434	hypo	sig	chr10_3287553
chr8	57205219	57205219	+	9.823E-32	6.90249E-30	-0.26425	hypo	sig	chr8_57205219
chr13	52845488	52845488	+	9.826E-32	6.90398E-30	0.28599	hyper	sig	chr13_52845488
chr13	45714378	45714378	+	9.831E-32	6.90683E-30	-0.29214	hypo	sig	chr13_45714378
chr2	2.06E+08	205686675	+	9.836E-32	6.90942E-30	0.305452	hyper	sig	chr2_205686675
chr13	83881992	83881992	+	9.839E-32	6.91089E-30	0.286807	hyper	sig	chr13_83881992
chr1	1.21E+08	121117018	+	9.842E-32	6.91245E-30	0.333233	hyper	sig	chr1_121117018
chr10	50674959	50674959	+	9.85E-32	6.91798E-30	-0.29155	hypo	sig	chr10_50674959
chr6	36285300	36285300	+	9.864E-32	6.92705E-30	0.26451	hyper	sig	chr6_36285300
chr3	1.47E+08	147388850	+	9.913E-32	6.96078E-30	0.245324	hyper	sig	chr3_147388850
chr11	1.29E+08	128693821	+	9.968E-32	6.99826E-30	0.201354	hyper	sig	chr11_128693821
chr14	47676385	47676385	+	9.99E-32	7.01321E-30	0.310567	hyper	sig	chr14_47676385
chr4	4862776	4862776	+	1.003E-31	7.04043E-30	0.312232	hyper	sig	chr4_4862776
chr1	20553116	20553116	+	1.004E-31	7.04679E-30	0.294356	hyper	sig	chr1_20553116
chr12	75209255	75209255	+	1.008E-31	7.07131E-30	0.350246	hyper	sig	chr12_75209255

chr1	1.77E+08	177171458	+	1.011E-31	7.0962E-30	0.271513	hyper	sig	chr1_177171458
chr16	88316338	88316338	+	1.013E-31	7.10705E-30	-0.26528	hypo	sig	chr16_88316338
chr6	50843214	50843214	+	1.018E-31	7.14031E-30	0.291498	hyper	sig	chr6_50843214
chr19	524317	524317	+	1.018E-31	7.14496E-30	-0.28627	hypo	sig	chr19_524317
chr12	1.14E+08	113669977	+	1.022E-31	7.16938E-30	0.264139	hyper	sig	chr12_113669977
chr6	27312219	27312219	+	1.03E-31	7.22537E-30	0.214551	hyper	sig	chr6_27312219
chr13	1.14E+08	114005031	+	1.03E-31	7.22582E-30	-0.32698	hypo	sig	chr13_114005031
chr17	48727017	48727017	+	1.036E-31	7.26788E-30	0.272855	hyper	sig	chr17_48727017
chr13	50132767	50132767	+	1.038E-31	7.27781E-30	0.265956	hyper	sig	chr13_50132767
chr3	1.33E+08	133038918	+	1.038E-31	7.28146E-30	0.308172	hyper	sig	chr3_133038918
chr12	52007676	52007676	+	1.042E-31	7.30262E-30	0.256496	hyper	sig	chr12_52007676
chr1	2.21E+08	220881273	+	1.045E-31	7.32335E-30	0.249777	hyper	sig	chr1_220881273
chr20	24469073	24469073	+	1.058E-31	7.41474E-30	0.27487	hyper	sig	chr20_24469073
chr13	53200983	53200983	+	1.059E-31	7.42085E-30	0.287572	hyper	sig	chr13_53200983
chr12	2231661	2231661	+	1.06E-31	7.43196E-30	-0.32423	hypo	sig	chr12_2231661
chr4	13529422	13529422	+	1.062E-31	7.443E-30	0.279188	hyper	sig	chr4_13529422
chr7	923748	923748	+	1.065E-31	7.46085E-30	-0.23948	hypo	sig	chr7_923748
chr6	32047180	32047180	+	1.067E-31	7.47887E-30	-0.27668	hypo	sig	chr6_32047180
chr1	1.19E+08	119006223	+	1.07E-31	7.4945E-30	0.318522	hyper	sig	chr1_119006223
chr16	22948273	22948273	+	1.07E-31	7.49681E-30	0.20801	hyper	sig	chr16_22948273
chr5	33936380	33936380	+	1.07E-31	7.4978E-30	0.27516	hyper	sig	chr5_33936380
chr7	1.29E+08	129147706	+	1.07E-31	7.4978E-30	-0.35069	hypo	sig	chr7_129147706
chr12	4809809	4809809	+	1.073E-31	7.51482E-30	0.222346	hyper	sig	chr12_4809809
chr8	1.31E+08	131041601	+	1.074E-31	7.52283E-30	0.327531	hyper	sig	chr8_131041601
chr9	97852642	97852642	+	1.078E-31	7.54566E-30	0.370565	hyper	sig	chr9_97852642
chr3	46744897	46744897	+	1.08E-31	7.56372E-30	-0.32746	hypo	sig	chr3_46744897
chr19	46413335	46413335	+	1.083E-31	7.58091E-30	0.261926	hyper	sig	chr19_46413335
chr21	46296590	46296590	+	1.083E-31	7.58102E-30	0.251374	hyper	sig	chr21_46296590
chr11	1.18E+08	117810218	+	1.089E-31	7.62219E-30	-0.29949	hypo	sig	chr11_117810218
chr7	44309702	44309702	+	1.089E-31	7.62219E-30	0.218174	hyper	sig	chr7_44309702
chr1	2.08E+08	207669739	+	1.096E-31	7.66765E-30	0.277274	hyper	sig	chr1_207669739
chr3	62370622	62370622	+	1.097E-31	7.67679E-30	0.235325	hyper	sig	chr3_62370622
chr4	3675778	3675778	+	1.103E-31	7.71741E-30	-0.23992	hypo	sig	chr4_3675778
chr19	57172475	57172475	+	1.107E-31	7.74503E-30	0.315187	hyper	sig	chr19_57172475
chr8	1.43E+08	143274801	+	1.109E-31	7.76161E-30	-0.31083	hypo	sig	chr8_143274801
chr1	13584272	13584272	+	1.112E-31	7.77847E-30	0.368564	hyper	sig	chr1_13584272
chr19	46413331	46413331	+	1.119E-31	7.82486E-30	0.264489	hyper	sig	chr19_46413331
chr6	2242499	2242499	+	1.122E-31	7.84741E-30	-0.33085	hypo	sig	chr6_2242499
chr4	1.66E+08	165874472	+	1.13E-31	7.89943E-30	0.326922	hyper	sig	chr4_165874472
chr22	39569913	39569913	+	1.133E-31	7.92351E-30	-0.28334	hypo	sig	chr22_39569913
chr1	6004073	6004073	+	1.135E-31	7.93687E-30	-0.32462	hypo	sig	chr1_6004073
chr13	36345806	36345806	+	1.14E-31	7.96906E-30	0.341379	hyper	sig	chr13_36345806
chr11	1.34E+08	133935162	+	1.14E-31	7.96993E-30	-0.21325	hypo	sig	chr11_133935162
chr13	43968877	43968877	+	1.142E-31	7.97926E-30	0.205476	hyper	sig	chr13_43968877
chr19	841044	841044	+	1.147E-31	8.01556E-30	-0.30052	hypo	sig	chr19_841044
chr4	83336000	83336000	+	1.153E-31	8.05419E-30	-0.31949	hypo	sig	chr4_83336000
chr5	1.41E+08	141370168	+	1.155E-31	8.07101E-30	0.256777	hyper	sig	chr5_141370168
chr10	1.01E+08	101284479	+	1.164E-31	8.13406E-30	0.322343	hyper	sig	chr10_101284479
chr10	1.3E+08	130046686	+	1.168E-31	8.16156E-30	-0.29166	hypo	sig	chr10_130046686
chr3	1.8E+08	180037447	+	1.178E-31	8.22687E-30	0.436664	hyper	sig	chr3_180037447
chr19	41933161	41933161	+	1.181E-31	8.24703E-30	-0.2939	hypo	sig	chr19_41933161
chr3	1.38E+08	137764916	+	1.185E-31	8.27865E-30	0.228322	hyper	sig	chr3_137764916
chr12	8018871	8018871	+	1.189E-31	8.30017E-30	0.214678	hyper	sig	chr12_8018871
chr11	1.29E+08	128824274	+	1.189E-31	8.301E-30	0.306623	hyper	sig	chr11_128824274
chr18	59265025	59265025	+	1.191E-31	8.31712E-30	0.285557	hyper	sig	chr18_59265025
chr16	86579015	86579015	+	1.194E-31	8.33775E-30	0.314801	hyper	sig	chr16_86579015

chr11	1.23E+08	122977866	+	1.195E-31	8.33926E-30	0.296332	hyper	sig	chr11_122977866
chr7	35262247	35262247	+	1.201E-31	8.38475E-30	0.24866	hyper	sig	chr7_35262247
chr2	1.19E+08	118843140	+	1.203E-31	8.39494E-30	0.243616	hyper	sig	chr2_118843140
chr1	1.47E+08	147080167	+	1.204E-31	8.40007E-30	0.290585	hyper	sig	chr1_147080167
chr12	85279634	85279634	+	1.204E-31	8.40095E-30	0.32034	hyper	sig	chr12_85279634
chr1	1334078	1334078	+	1.209E-31	8.43866E-30	-0.22323	hypo	sig	chr1_1334078
chr2	2.33E+08	232519811	+	1.213E-31	8.46142E-30	-0.3226	hypo	sig	chr2_232519811
chr20	5315686	5315686	+	1.213E-31	8.46142E-30	0.287538	hyper	sig	chr20_5315686
chr4	1.11E+08	110630655	+	1.215E-31	8.4792E-30	0.26345	hyper	sig	chr4_110630655
chr2	1.37E+08	136764794	+	1.221E-31	8.5173E-30	0.26538	hyper	sig	chr2_136764794
chr9	970551	970551	+	1.228E-31	8.56302E-30	0.228232	hyper	sig	chr9_970551
chr12	48198528	48198528	+	1.232E-31	8.58937E-30	0.282368	hyper	sig	chr12_48198528
chr4	1.07E+08	107037446	+	1.237E-31	8.62761E-30	0.240301	hyper	sig	chr4_107037446
chr3	13568621	13568621	+	1.249E-31	8.70861E-30	-0.3563	hypo	sig	chr3_13568621
chr5	1.35E+08	135038800	+	1.258E-31	8.77264E-30	0.261624	hyper	sig	chr5_135038800
chr15	85793441	85793441	+	1.262E-31	8.79879E-30	-0.30205	hypo	sig	chr15_85793441
chr12	85273887	85273887	+	1.27E-31	8.85601E-30	0.250147	hyper	sig	chr12_85273887
chr19	12195343	12195343	+	1.272E-31	8.86395E-30	0.268828	hyper	sig	chr19_12195343
chr4	1.9E+08	190018068	+	1.272E-31	8.86699E-30	0.258004	hyper	sig	chr4_190018068
chr16	86579028	86579028	+	1.281E-31	8.92559E-30	0.320536	hyper	sig	chr16_86579028
chr13	36430970	36430970	+	1.285E-31	8.9549E-30	0.288956	hyper	sig	chr13_36430970
chr16	987433	987433	+	1.285E-31	8.9549E-30	-0.36393	hypo	sig	chr16_987433
chr10	1.32E+08	131981042	+	1.288E-31	8.97105E-30	0.281605	hyper	sig	chr10_131981042
chr2	1.19E+08	118849488	+	1.291E-31	8.99061E-30	0.251941	hyper	sig	chr2_118849488
chr10	1.01E+08	101227739	+	1.291E-31	8.99333E-30	0.265108	hyper	sig	chr10_101227739
chr11	1.13E+08	112962262	+	1.291E-31	8.99333E-30	0.230805	hyper	sig	chr11_112962262
chr7	1.01E+08	100865927	+	1.292E-31	8.99863E-30	-0.36616	hypo	sig	chr7_100865927
chr1	18632830	18632830	+	1.293E-31	9.002E-30	0.23965	hyper	sig	chr1_18632830
chr7	1.57E+08	157004298	+	1.297E-31	9.03275E-30	0.274692	hyper	sig	chr7_157004298
chr4	1.55E+08	154742717	+	1.298E-31	9.03548E-30	0.254423	hyper	sig	chr4_154742717
chr13	1.12E+08	112069267	+	1.304E-31	9.0774E-30	0.248063	hyper	sig	chr13_112069267
chr4	1.74E+08	173518774	+	1.305E-31	9.08588E-30	0.347433	hyper	sig	chr4_173518774
chr7	5303302	5303302	+	1.306E-31	9.0928E-30	-0.28416	hypo	sig	chr7_5303302
chr14	1.04E+08	104181970	+	1.307E-31	9.09496E-30	-0.33309	hypo	sig	chr14_104181970
chr11	20159910	20159910	+	1.307E-31	9.09745E-30	0.283427	hyper	sig	chr11_20159910
chr15	67826246	67826246	+	1.311E-31	9.12103E-30	0.276026	hyper	sig	chr15_67826246
chr12	98895557	98895557	+	1.313E-31	9.13686E-30	0.351051	hyper	sig	chr12_98895557
chr11	66049086	66049086	+	1.317E-31	9.16515E-30	0.343446	hyper	sig	chr11_66049086
chr3	1.47E+08	147423136	+	1.318E-31	9.1666E-30	0.260486	hyper	sig	chr3_147423136
chr1	78491501	78491501	+	1.319E-31	9.17569E-30	0.316411	hyper	sig	chr1_78491501
chr19	52453591	52453591	+	1.324E-31	9.21187E-30	0.284596	hyper	sig	chr19_52453591
chr11	32429018	32429018	+	1.327E-31	9.23008E-30	0.271696	hyper	sig	chr11_32429018
chr10	22345178	22345178	+	1.333E-31	9.27202E-30	0.24015	hyper	sig	chr10_22345178
chr7	1.18E+08	118214603	+	1.334E-31	9.27652E-30	0.230171	hyper	sig	chr7_118214603
chr19	56393701	56393701	+	1.337E-31	9.29802E-30	0.331742	hyper	sig	chr19_56393701
chr11	1.29E+08	128824253	+	1.338E-31	9.30134E-30	0.329254	hyper	sig	chr11_128824253
chr7	1.58E+08	157769036	+	1.341E-31	9.32266E-30	-0.26811	hypo	sig	chr7_157769036
chr17	68198643	68198643	+	1.349E-31	9.3758E-30	0.243585	hyper	sig	chr17_68198643
chr17	286198	286198	+	1.352E-31	9.39218E-30	0.292107	hyper	sig	chr17_286198
chr17	81480680	81480680	+	1.356E-31	9.42308E-30	-0.26158	hypo	sig	chr17_81480680
chr6	32058080	32058080	+	1.361E-31	9.45289E-30	-0.2993	hypo	sig	chr6_32058080
chr16	88446233	88446233	+	1.363E-31	9.46585E-30	-0.25499	hypo	sig	chr16_88446233
chr3	50322509	50322509	+	1.369E-31	9.51285E-30	-0.24907	hypo	sig	chr3_50322509
chr1	1.44E+08	143661253	+	1.373E-31	9.53541E-30	0.281721	hyper	sig	chr1_143661253
chr5	51387625	51387625	+	1.373E-31	9.53655E-30	0.225534	hyper	sig	chr5_51387625
chr3	1.86E+08	186360854	+	1.374E-31	9.54216E-30	0.295626	hyper	sig	chr3_186360854

chr12	1.31E+08	131084744	+	1.378E-31	9.56777E-30	-0.26444	hypo	sig	chr12_131084744
chr1	1.19E+08	119007214	+	1.38E-31	9.58164E-30	0.36262	hyper	sig	chr1_119007214
chr4	13543628	13543628	+	1.381E-31	9.59032E-30	0.308151	hyper	sig	chr4_13543628
chr12	1.13E+08	113479685	+	1.385E-31	9.61612E-30	0.292547	hyper	sig	chr12_113479685
chr20	24470069	24470069	+	1.386E-31	9.62434E-30	0.2639	hyper	sig	chr20_24470069
chr2	1.19E+08	118854747	+	1.387E-31	9.62586E-30	0.200256	hyper	sig	chr2_118854747
chr1	6466097	6466097	+	1.388E-31	9.63325E-30	0.274933	hyper	sig	chr1_6466097
chr8	64379433	64379433	+	1.39E-31	9.6448E-30	0.30369	hyper	sig	chr8_64379433
chr5	1.47E+08	146879005	+	1.391E-31	9.65634E-30	0.270467	hyper	sig	chr5_146879005
chr7	5300673	5300673	+	1.401E-31	9.71922E-30	-0.23401	hypo	sig	chr7_5300673
chr3	62370615	62370615	+	1.405E-31	9.74844E-30	0.273951	hyper	sig	chr3_62370615
chr11	8168737	8168737	+	1.406E-31	9.7573E-30	0.3966	hyper	sig	chr11_8168737
chr4	7425541	7425541	+	1.407E-31	9.75811E-30	-0.2685	hypo	sig	chr4_7425541
chr20	24471272	24471272	+	1.409E-31	9.77533E-30	0.261216	hyper	sig	chr20_24471272
chr11	1086303	1086303	+	1.411E-31	9.78584E-30	-0.24238	hypo	sig	chr11_1086303
chr19	52369837	52369837	+	1.418E-31	9.83534E-30	0.230655	hyper	sig	chr19_52369837
chr13	1.12E+08	112037915	+	1.426E-31	9.88709E-30	-0.22425	hypo	sig	chr13_112037915
chr15	74132789	74132789	+	1.431E-31	9.92154E-30	0.389399	hyper	sig	chr15_74132789
chr7	27101451	27101451	+	1.439E-31	9.97328E-30	0.233074	hyper	sig	chr7_27101451
chr7	1.25E+08	124764246	+	1.439E-31	9.97477E-30	0.25797	hyper	sig	chr7_124764246
chr1	2.44E+08	243917763	+	1.443E-31	1.00046E-29	0.23659	hyper	sig	chr1_243917763
chr10	1.29E+08	128540376	+	1.445E-31	1.00171E-29	0.302896	hyper	sig	chr10_128540376
chr17	35448697	35448697	+	1.446E-31	1.00184E-29	0.319875	hyper	sig	chr17_35448697
chr13	36430720	36430720	+	1.446E-31	1.002E-29	0.265449	hyper	sig	chr13_36430720
chr5	1.79E+08	179060790	+	1.449E-31	1.00399E-29	0.308569	hyper	sig	chr5_179060790
chr22	50485546	50485546	+	1.451E-31	1.0054E-29	-0.26673	hypo	sig	chr22_50485546
chr14	85529840	85529840	+	1.458E-31	1.0099E-29	0.282852	hyper	sig	chr14_85529840
chr19	58009729	58009729	+	1.464E-31	1.01429E-29	0.250166	hyper	sig	chr19_58009729
chr7	69599871	69599871	+	1.474E-31	1.02124E-29	0.255359	hyper	sig	chr7_69599871
chr1	1007255	1007255	+	1.476E-31	1.02199E-29	-0.26695	hypo	sig	chr1_1007255
chr1	6276646	6276646	+	1.478E-31	1.02341E-29	0.258466	hyper	sig	chr1_6276646
chr16	1023512	1023512	+	1.482E-31	1.02655E-29	-0.24044	hypo	sig	chr16_1023512
chr21	20997560	20997560	+	1.49E-31	1.03152E-29	0.297144	hyper	sig	chr21_20997560
chr11	31801681	31801681	+	1.493E-31	1.03358E-29	0.251408	hyper	sig	chr11_31801681
chr8	1.08E+08	108083578	+	1.498E-31	1.03688E-29	0.3257	hyper	sig	chr8_108083578
chr1	1.07E+08	107140185	+	1.504E-31	1.04093E-29	0.218203	hyper	sig	chr1_107140185
chr16	51155964	51155964	+	1.508E-31	1.04364E-29	0.295644	hyper	sig	chr16_51155964
chr11	20159908	20159908	+	1.512E-31	1.04625E-29	0.275086	hyper	sig	chr11_20159908
chr11	1.29E+08	128694282	+	1.512E-31	1.04647E-29	0.393042	hyper	sig	chr11_128694282
chr12	53961706	53961706	+	1.513E-31	1.04695E-29	0.276773	hyper	sig	chr12_53961706
chr16	30006210	30006210	+	1.513E-31	1.04695E-29	-0.26223	hypo	sig	chr16_30006210
chr10	25934030	25934030	+	1.517E-31	1.04964E-29	0.238023	hyper	sig	chr10_25934030
chr14	1.05E+08	104564906	+	1.521E-31	1.05219E-29	-0.24205	hypo	sig	chr14_104564906
chr7	39410626	39410626	+	1.521E-31	1.05219E-29	-0.41565	hypo	sig	chr7_39410626
chr16	88378502	88378502	+	1.522E-31	1.05242E-29	-0.33719	hypo	sig	chr16_88378502
chr15	28097058	28097058	+	1.525E-31	1.05486E-29	0.206954	hyper	sig	chr15_28097058
chr2	55924030	55924030	+	1.529E-31	1.05755E-29	0.20816	hyper	sig	chr2_55924030
chr2	45004762	45004762	+	1.54E-31	1.06495E-29	0.201608	hyper	sig	chr2_45004762
chr4	80267220	80267220	+	1.543E-31	1.06645E-29	0.260455	hyper	sig	chr4_80267220
chr3	1.47E+08	147423499	+	1.548E-31	1.07003E-29	0.242772	hyper	sig	chr3_147423499
chr5	3592614	3592614	+	1.55E-31	1.071E-29	0.247391	hyper	sig	chr5_3592614
chr6	1.5E+08	149964579	+	1.557E-31	1.0763E-29	0.22167	hyper	sig	chr6_149964579
chr17	82710854	82710854	+	1.559E-31	1.0773E-29	-0.33953	hypo	sig	chr17_82710854
chr5	73298644	73298644	+	1.561E-31	1.0786E-29	0.288657	hyper	sig	chr5_73298644
chr10	1.3E+08	130014534	+	1.568E-31	1.08307E-29	-0.23804	hypo	sig	chr10_130014534
chr5	3597578	3597578	+	1.568E-31	1.08307E-29	0.314034	hyper	sig	chr5_3597578

chr19	57935056	57935056	+	1.587E-31	1.09647E-29	0.350596	hyper	sig	chr19_57935056
chr4	1.33E+08	133147409	+	1.595E-31	1.10141E-29	0.288381	hyper	sig	chr4_133147409
chr14	85529813	85529813	+	1.596E-31	1.10213E-29	0.313861	hyper	sig	chr14_85529813
chr1	1.19E+08	119000508	+	1.596E-31	1.10224E-29	0.31013	hyper	sig	chr1_119000508
chr6	50843275	50843275	+	1.599E-31	1.10413E-29	0.283989	hyper	sig	chr6_50843275
chr9	1.37E+08	136739718	+	1.6E-31	1.10502E-29	-0.26418	hypo	sig	chr9_136739718
chr11	89864438	89864438	+	1.604E-31	1.10715E-29	0.322352	hyper	sig	chr11_89864438
chr2	5696601	5696601	+	1.605E-31	1.10794E-29	0.367889	hyper	sig	chr2_5696601
chr11	67452097	67452097	+	1.606E-31	1.10836E-29	-0.2671	hypo	sig	chr11_67452097
chr8	79611178	79611178	+	1.607E-31	1.109E-29	0.267119	hyper	sig	chr8_79611178
chr20	56005135	56005135	+	1.61E-31	1.11119E-29	0.356484	hyper	sig	chr20_56005135
chr3	1.47E+08	147391601	+	1.61E-31	1.11119E-29	0.330414	hyper	sig	chr3_147391601
chr1	1.98E+08	197921354	+	1.618E-31	1.11621E-29	0.250349	hyper	sig	chr1_197921354
chr3	1.28E+08	128483620	+	1.619E-31	1.11718E-29	0.289503	hyper	sig	chr3_128483620
chr10	22345196	22345196	+	1.621E-31	1.11815E-29	0.245034	hyper	sig	chr10_22345196
chr5	1.69E+08	169301593	+	1.621E-31	1.11816E-29	0.273352	hyper	sig	chr5_169301593
chr4	1.11E+08	110633852	+	1.621E-31	1.11848E-29	0.297607	hyper	sig	chr4_110633852
chr4	1.11E+08	110634436	+	1.632E-31	1.12584E-29	0.327217	hyper	sig	chr4_110634436
chr10	1.05E+08	104641574	+	1.638E-31	1.12972E-29	0.314652	hyper	sig	chr10_104641574
chr1	3651244	3651244	+	1.64E-31	1.13123E-29	0.276589	hyper	sig	chr1_3651244
chr1	75128571	75128571	+	1.65E-31	1.13799E-29	0.280039	hyper	sig	chr1_75128571
chr5	1.41E+08	140828141	+	1.65E-31	1.13799E-29	0.262164	hyper	sig	chr5_140828141
chr7	1237869	1237869	+	1.653E-31	1.13943E-29	0.321544	hyper	sig	chr7_1237869
chr13	1.1E+08	110434967	+	1.657E-31	1.14246E-29	-0.27613	hypo	sig	chr13_110434967
chr19	40568212	40568212	+	1.664E-31	1.14698E-29	0.262304	hyper	sig	chr19_40568212
chr19	35352246	35352246	+	1.664E-31	1.14729E-29	-0.30005	hypo	sig	chr19_35352246
chr13	93228699	93228699	+	1.665E-31	1.14736E-29	0.260379	hyper	sig	chr13_93228699
chr11	526347	526347	+	1.665E-31	1.1477E-29	-0.26039	hypo	sig	chr11_526347
chr14	1.01E+08	101442375	+	1.671E-31	1.15138E-29	-0.30669	hypo	sig	chr14_101442375
chr3	62373995	62373995	+	1.676E-31	1.15473E-29	0.233223	hyper	sig	chr3_62373995
chr15	52787353	52787353	+	1.68E-31	1.15739E-29	0.283379	hyper	sig	chr15_52787353
chr16	29181970	29181970	+	1.686E-31	1.16137E-29	-0.24667	hypo	sig	chr16_29181970
chr17	17562316	17562316	+	1.687E-31	1.1623E-29	-0.21584	hypo	sig	chr17_17562316
chr2	2.33E+08	232519825	+	1.689E-31	1.16356E-29	-0.35149	hypo	sig	chr2_232519825
chr2	10042979	10042979	+	1.689E-31	1.16358E-29	0.238242	hyper	sig	chr2_10042979
chr3	1.47E+08	147388823	+	1.698E-31	1.16943E-29	0.235565	hyper	sig	chr3_147388823
chr7	2662074	2662074	+	1.699E-31	1.16984E-29	-0.36845	hypo	sig	chr7_2662074
chr5	1257032	1257032	+	1.709E-31	1.1771E-29	-0.24876	hypo	sig	chr5_1257032
chr13	1.13E+08	113109900	+	1.711E-31	1.17797E-29	0.293185	hyper	sig	chr13_113109900
chr3	1.82E+08	181725249	+	1.731E-31	1.19161E-29	0.297995	hyper	sig	chr3_181725249
chr14	77140883	77140883	+	1.732E-31	1.19248E-29	0.283611	hyper	sig	chr14_77140883
chr19	36791567	36791567	+	1.742E-31	1.19923E-29	0.342584	hyper	sig	chr19_36791567
chr2	66426917	66426917	+	1.746E-31	1.20159E-29	0.273238	hyper	sig	chr2_66426917
chr3	48661598	48661598	+	1.747E-31	1.20227E-29	0.252186	hyper	sig	chr3_48661598
chr9	1045624	1045624	+	1.749E-31	1.20351E-29	0.220889	hyper	sig	chr9_1045624
chr4	1.13E+08	112511600	+	1.75E-31	1.20399E-29	0.243579	hyper	sig	chr4_112511600
chr19	58440878	58440878	+	1.752E-31	1.20525E-29	0.255485	hyper	sig	chr19_58440878
chr13	1.1E+08	109781319	+	1.753E-31	1.20634E-29	-0.30402	hypo	sig	chr13_109781319
chr11	64972040	64972040	+	1.756E-31	1.20818E-29	0.330056	hyper	sig	chr11_64972040
chr4	41746634	41746634	+	1.757E-31	1.20829E-29	0.354454	hyper	sig	chr4_41746634
chr20	62310958	62310958	+	1.763E-31	1.21268E-29	-0.2769	hypo	sig	chr20_62310958
chr19	49038829	49038829	+	1.768E-31	1.21594E-29	-0.33692	hypo	sig	chr19_49038829
chr18	72544788	72544788	+	1.774E-31	1.22021E-29	0.32475	hyper	sig	chr18_72544788
chr1	2446034	2446034	+	1.778E-31	1.22274E-29	-0.30233	hypo	sig	chr1_2446034
chr6	32051306	32051306	+	1.788E-31	1.22931E-29	-0.23566	hypo	sig	chr6_32051306
chr17	79943093	79943093	+	1.791E-31	1.23114E-29	0.261727	hyper	sig	chr17_79943093

chr1	90717247	90717247	+	1.798E-31	1.23634E-29	0.263211	hyper	sig	chr1_90717247
chr8	64585930	64585930	+	1.799E-31	1.23674E-29	0.242637	hyper	sig	chr8_64585930
chr4	386144	386144	+	1.804E-31	1.23994E-29	0.342555	hyper	sig	chr4_386144
chr20	21514024	21514024	+	1.809E-31	1.24339E-29	0.258915	hyper	sig	chr20_21514024
chr8	1.16E+08	115648505	+	1.812E-31	1.24562E-29	0.294126	hyper	sig	chr8_115648505
chr13	1.1E+08	110150613	+	1.815E-31	1.24751E-29	-0.27943	hypo	sig	chr13_110150613
chr17	79787831	79787831	+	1.819E-31	1.25015E-29	-0.28624	hypo	sig	chr17_79787831
chr17	65536782	65536782	+	1.82E-31	1.25068E-29	-0.33367	hypo	sig	chr17_65536782
chr22	37186316	37186316	+	1.829E-31	1.25682E-29	-0.25309	hypo	sig	chr22_37186316
chr10	594121	594121	+	1.83E-31	1.25733E-29	-0.27962	hypo	sig	chr10_594121
chr7	19118402	19118402	+	1.833E-31	1.25928E-29	0.279683	hyper	sig	chr7_19118402
chr16	86578984	86578984	+	1.841E-31	1.26417E-29	0.304541	hyper	sig	chr16_86578984
chr2	1.19E+08	118857466	+	1.841E-31	1.26425E-29	0.277029	hyper	sig	chr2_118857466
chr17	48579330	48579330	+	1.845E-31	1.26694E-29	-0.28809	hypo	sig	chr17_48579330
chr3	32819854	32819854	+	1.847E-31	1.26849E-29	0.273941	hyper	sig	chr3_32819854
chr3	1.47E+08	147396138	+	1.848E-31	1.26866E-29	0.27164	hyper	sig	chr3_147396138
chr10	25934119	25934119	+	1.854E-31	1.27286E-29	0.386451	hyper	sig	chr10_25934119
chr14	97219603	97219603	+	1.86E-31	1.27659E-29	0.234664	hyper	sig	chr14_97219603
chr11	61566926	61566926	+	1.863E-31	1.27896E-29	-0.24065	hypo	sig	chr11_61566926
chr7	1.55E+08	155373562	+	1.865E-31	1.27987E-29	0.254811	hyper	sig	chr7_155373562
chr11	64972022	64972022	+	1.877E-31	1.28856E-29	0.305914	hyper	sig	chr11_64972022
chr2	2.32E+08	232486293	+	1.89E-31	1.29694E-29	0.225682	hyper	sig	chr2_232486293
chr12	8018903	8018903	+	1.892E-31	1.2981E-29	0.23762	hyper	sig	chr12_8018903
chr6	7468540	7468540	+	1.892E-31	1.29823E-29	-0.37729	hypo	sig	chr6_7468540
chr5	77632612	77632612	+	1.894E-31	1.29963E-29	0.333203	hyper	sig	chr5_77632612
chr2	1.19E+08	118845532	+	1.904E-31	1.30593E-29	0.282027	hyper	sig	chr2_118845532
chr10	1.18E+08	117735014	+	1.908E-31	1.30891E-29	0.237435	hyper	sig	chr10_117735014
chr16	89202456	89202456	+	1.916E-31	1.31425E-29	0.263281	hyper	sig	chr16_89202456
chr6	10422280	10422280	+	1.918E-31	1.31537E-29	0.262645	hyper	sig	chr6_10422280
chr20	40690715	40690715	+	1.919E-31	1.31588E-29	0.273783	hyper	sig	chr20_40690715
chr9	3181073	3181073	+	1.932E-31	1.32442E-29	0.262445	hyper	sig	chr9_3181073
chr16	86516346	86516346	+	1.937E-31	1.32822E-29	0.237015	hyper	sig	chr16_86516346
chr6	1.08E+08	108165215	+	1.939E-31	1.32933E-29	0.388607	hyper	sig	chr6_108165215
chr10	1.33E+08	133046429	+	1.945E-31	1.33344E-29	-0.25039	hypo	sig	chr10_133046429
chr8	2034779	2034779	+	1.947E-31	1.33425E-29	-0.3328	hypo	sig	chr8_2034779
chr6	28635384	28635384	+	1.949E-31	1.33599E-29	0.234623	hyper	sig	chr6_28635384
chr1	2898379	2898379	+	1.952E-31	1.33756E-29	-0.29001	hypo	sig	chr1_2898379
chr6	28635119	28635119	+	1.956E-31	1.34039E-29	0.218215	hyper	sig	chr6_28635119
chr1	6276497	6276497	+	1.957E-31	1.34085E-29	0.254164	hyper	sig	chr1_6276497
chr20	21519339	21519339	+	1.957E-31	1.34085E-29	0.227368	hyper	sig	chr20_21519339
chr5	3607020	3607020	+	1.957E-31	1.34085E-29	0.305496	hyper	sig	chr5_3607020
chr8	1.43E+08	142515468	+	1.957E-31	1.34085E-29	-0.20033	hypo	sig	chr8_142515468
chr4	1.57E+08	157222658	+	1.961E-31	1.34313E-29	0.282749	hyper	sig	chr4_157222658
chr19	36331512	36331512	+	1.966E-31	1.34681E-29	0.301688	hyper	sig	chr19_36331512
chr2	1.3E+08	129979693	+	1.985E-31	1.35961E-29	0.234177	hyper	sig	chr2_129979693
chr14	85530455	85530455	+	1.99E-31	1.36286E-29	0.341015	hyper	sig	chr14_85530455
chr7	1.57E+08	157302607	+	1.994E-31	1.36562E-29	-0.30296	hypo	sig	chr7_157302607
chr1	90724506	90724506	+	1.997E-31	1.36699E-29	0.293062	hyper	sig	chr1_90724506
chr12	85279613	85279613	+	1.997E-31	1.36699E-29	0.296304	hyper	sig	chr12_85279613
chr1	2E+08	200036093	+	1.998E-31	1.36756E-29	0.349347	hyper	sig	chr1_200036093
chr19	2511425	2511425	+	2.003E-31	1.3713E-29	-0.33101	hypo	sig	chr19_2511425
chr9	88991088	88991088	+	2.005E-31	1.37222E-29	0.339843	hyper	sig	chr9_88991088
chr16	51151234	51151234	+	2.008E-31	1.37451E-29	0.351237	hyper	sig	chr16_51151234
chr2	44932949	44932949	+	2.011E-31	1.37642E-29	0.295496	hyper	sig	chr2_44932949
chr2	2.41E+08	241270881	+	2.014E-31	1.37841E-29	-0.2761	hypo	sig	chr2_241270881
chr19	56507496	56507496	+	2.018E-31	1.38094E-29	0.331352	hyper	sig	chr19_56507496

chr12	80708707	80708707	+	2.02E-31	1.38215E-29	0.271592	hyper	sig	chr12_80708707
chr7	27103616	27103616	+	2.022E-31	1.38296E-29	0.303374	hyper	sig	chr7_27103616
chr17	35448758	35448758	+	2.026E-31	1.38607E-29	0.3011	hyper	sig	chr17_35448758
chr8	1.43E+08	142515370	+	2.038E-31	1.39378E-29	-0.28748	hypo	sig	chr8_142515370
chr3	10816700	10816700	+	2.041E-31	1.39591E-29	0.261161	hyper	sig	chr3_10816700
chr5	1.41E+08	141338838	+	2.046E-31	1.39881E-29	0.251445	hyper	sig	chr5_141338838
chr7	1.5E+08	150341437	+	2.056E-31	1.40589E-29	0.290969	hyper	sig	chr7_150341437
chr1	6070085	6070085	+	2.063E-31	1.41043E-29	-0.31386	hypo	sig	chr1_6070085
chr11	1.29E+08	128693062	+	2.083E-31	1.42413E-29	0.250632	hyper	sig	chr11_128693062
chr4	1.55E+08	154743029	+	2.095E-31	1.43218E-29	0.30575	hyper	sig	chr4_154743029
chr2	1.85E+08	184597766	+	2.103E-31	1.43778E-29	0.285258	hyper	sig	chr2_184597766
chr10	1.32E+08	132295080	+	2.105E-31	1.43903E-29	-0.23633	hypo	sig	chr10_132295080
chr12	1.32E+08	131853974	+	2.109E-31	1.44135E-29	-0.23921	hypo	sig	chr12_131853974
chr14	97219547	97219547	+	2.111E-31	1.44221E-29	0.284552	hyper	sig	chr14_97219547
chr5	90562609	90562609	+	2.114E-31	1.44426E-29	-0.34096	hypo	sig	chr5_90562609
chr8	26048565	26048565	+	2.114E-31	1.44454E-29	0.284791	hyper	sig	chr8_26048565
chr8	64371520	64371520	+	2.124E-31	1.45079E-29	0.257105	hyper	sig	chr8_64371520
chr8	54457858	54457858	+	2.128E-31	1.4534E-29	0.307423	hyper	sig	chr8_54457858
chr17	81858779	81858779	+	2.128E-31	1.45364E-29	-0.21988	hypo	sig	chr17_81858779
chr5	1.73E+08	173246093	+	2.133E-31	1.45685E-29	0.315144	hyper	sig	chr5_173246093
chr9	1.33E+08	133474162	+	2.133E-31	1.45685E-29	-0.28124	hypo	sig	chr9_133474162
chr6	1E+08	100463650	+	2.143E-31	1.46363E-29	0.287761	hyper	sig	chr6_100463650
chr3	1.82E+08	181726792	+	2.144E-31	1.46413E-29	0.239619	hyper	sig	chr3_181726792
chr13	1.1E+08	109781248	+	2.152E-31	1.46919E-29	-0.25694	hypo	sig	chr13_109781248
chr21	18244782	18244782	+	2.156E-31	1.47203E-29	0.321561	hyper	sig	chr21_18244782
chr17	65538427	65538427	+	2.164E-31	1.47746E-29	-0.33205	hypo	sig	chr17_65538427
chr4	65670000	65670000	+	2.165E-31	1.47787E-29	0.211265	hyper	sig	chr4_65670000
chr2	2.42E+08	241855723	+	2.169E-31	1.48025E-29	-0.23294	hypo	sig	chr2_241855723
chr20	56004739	56004739	+	2.172E-31	1.48202E-29	0.291268	hyper	sig	chr20_56004739
chr11	32437116	32437116	+	2.173E-31	1.48273E-29	0.211851	hyper	sig	chr11_32437116
chr8	23710164	23710164	+	2.173E-31	1.48273E-29	0.257282	hyper	sig	chr8_23710164
chr10	49396523	49396523	+	2.178E-31	1.48607E-29	0.280957	hyper	sig	chr10_49396523
chr7	97018519	97018519	+	2.184E-31	1.48997E-29	0.383945	hyper	sig	chr7_97018519
chr1	18112311	18112311	+	2.185E-31	1.49035E-29	-0.27032	hypo	sig	chr1_18112311
chr7	1.5E+08	149723646	+	2.193E-31	1.49585E-29	-0.22332	hypo	sig	chr7_149723646
chr21	26967386	26967386	+	2.198E-31	1.4994E-29	0.250467	hyper	sig	chr21_26967386
chr11	22341227	22341227	+	2.202E-31	1.50154E-29	0.280485	hyper	sig	chr11_22341227
chr10	3127112	3127112	+	2.203E-31	1.50198E-29	-0.26845	hypo	sig	chr10_3127112
chr2	11612834	11612834	+	2.206E-31	1.50431E-29	-0.31713	hypo	sig	chr2_11612834
chr4	1404347	1404347	+	2.213E-31	1.50856E-29	0.295871	hyper	sig	chr4_1404347
chr4	1.74E+08	173528929	+	2.213E-31	1.50856E-29	0.323655	hyper	sig	chr4_173528929
chr16	85162547	85162547	+	2.216E-31	1.51027E-29	-0.26898	hypo	sig	chr16_85162547
chr6	1.05E+08	104940394	+	2.218E-31	1.51169E-29	0.328683	hyper	sig	chr6_104940394
chr14	1.04E+08	104182002	+	2.221E-31	1.51394E-29	-0.25007	hypo	sig	chr14_104182002
chr7	1.56E+08	155961972	+	2.229E-31	1.51891E-29	-0.27798	hypo	sig	chr7_155961972
chr2	1.19E+08	118842895	+	2.235E-31	1.52308E-29	0.259779	hyper	sig	chr2_118842895
chr13	1.12E+08	112067481	+	2.236E-31	1.52366E-29	0.277819	hyper	sig	chr13_112067481
chr5	6349470	6349470	+	2.253E-31	1.5349E-29	-0.28155	hypo	sig	chr5_6349470
chr6	6004683	6004683	+	2.255E-31	1.53597E-29	0.248559	hyper	sig	chr6_6004683
chr8	32549377	32549377	+	2.265E-31	1.54316E-29	0.213885	hyper	sig	chr8_32549377
chr1	75133909	75133909	+	2.268E-31	1.54446E-29	0.274094	hyper	sig	chr1_75133909
chr5	3606420	3606420	+	2.267E-31	1.54446E-29	0.280698	hyper	sig	chr5_3606420
chr6	1.69E+08	169158946	+	2.27E-31	1.54563E-29	-0.23987	hypo	sig	chr6_169158946
chr8	1.43E+08	142777079	+	2.271E-31	1.54639E-29	0.279104	hyper	sig	chr8_142777079
chr5	1.41E+08	140882100	+	2.287E-31	1.55716E-29	0.264912	hyper	sig	chr5_140882100
chr6	1E+08	100469094	+	2.31E-31	1.57286E-29	0.248935	hyper	sig	chr6_100469094

chr2	1743116	1743116	+	2.311E-31	1.57355E-29	0.214065	hyper	sig	chr2_1743116
chr11	2168930	2168930	+	2.315E-31	1.57598E-29	-0.26102	hypo	sig	chr11_2168930
chr15	52791341	52791341	+	2.316E-31	1.57612E-29	0.247474	hyper	sig	chr15_52791341
chr16	3183090	3183090	+	2.318E-31	1.5778E-29	0.252367	hyper	sig	chr16_3183090
chr19	814960	814960	+	2.319E-31	1.57844E-29	-0.34698	hypo	sig	chr19_814960
chr7	4093691	4093691	+	2.321E-31	1.57963E-29	0.288571	hyper	sig	chr7_4093691
chr20	38728173	38728173	+	2.331E-31	1.58596E-29	0.304573	hyper	sig	chr20_38728173
chr8	1.45E+08	144699936	+	2.338E-31	1.59048E-29	0.269848	hyper	sig	chr8_144699936
chr1	2475356	2475356	+	2.346E-31	1.59552E-29	-0.32262	hypo	sig	chr1_2475356
chr13	1.12E+08	112067408	+	2.348E-31	1.59699E-29	0.224068	hyper	sig	chr13_112067408
chr5	3602276	3602276	+	2.351E-31	1.59905E-29	0.30484	hyper	sig	chr5_3602276
chr2	74516352	74516352	+	2.357E-31	1.60277E-29	0.258219	hyper	sig	chr2_74516352
chr3	79767851	79767851	+	2.373E-31	1.61393E-29	0.306835	hyper	sig	chr3_79767851
chr13	45713662	45713662	+	2.377E-31	1.61644E-29	-0.27094	hypo	sig	chr13_45713662
chr4	785456	785456	+	2.382E-31	1.61977E-29	0.29765	hyper	sig	chr4_785456
chr3	1.92E+08	192408455	+	2.385E-31	1.62121E-29	0.246082	hyper	sig	chr3_192408455
chr1	1.14E+08	114154432	+	2.418E-31	1.64338E-29	0.210272	hyper	sig	chr1_114154432
chr5	50969769	50969769	+	2.419E-31	1.64416E-29	0.230867	hyper	sig	chr5_50969769
chr13	93227009	93227009	+	2.42E-31	1.64442E-29	0.330082	hyper	sig	chr13_93227009
chr13	93235814	93235814	+	2.428E-31	1.64994E-29	-0.35872	hypo	sig	chr13_93235814
chr2	66426915	66426915	+	2.429E-31	1.65023E-29	0.267094	hyper	sig	chr2_66426915
chr1	3139387	3139387	+	2.452E-31	1.66548E-29	-0.28967	hypo	sig	chr1_3139387
chr1	1.45E+08	144567558	+	2.462E-31	1.67242E-29	0.35008	hyper	sig	chr1_144567558
chr10	1.01E+08	100748585	+	2.466E-31	1.67503E-29	0.248936	hyper	sig	chr10_100748585
chr16	1129530	1129530	+	2.47E-31	1.67794E-29	-0.28591	hypo	sig	chr16_1129530
chr11	68411556	68411556	+	2.481E-31	1.68458E-29	-0.26599	hypo	sig	chr11_68411556
chr5	2757974	2757974	+	2.48E-31	1.68458E-29	0.231323	hyper	sig	chr5_2757974
chr2	1.19E+08	118849561	+	2.483E-31	1.68597E-29	0.266778	hyper	sig	chr2_118849561
chr7	1.58E+08	157713833	+	2.492E-31	1.69229E-29	-0.25768	hypo	sig	chr7_157713833
chr4	80266075	80266075	+	2.493E-31	1.69268E-29	0.24608	hyper	sig	chr4_80266075
chr21	26967853	26967853	+	2.494E-31	1.69321E-29	0.276978	hyper	sig	chr21_26967853
chr19	53132865	53132865	+	2.504E-31	1.70001E-29	0.309796	hyper	sig	chr19_53132865
chr1	2.03E+08	203050009	+	2.509E-31	1.70282E-29	-0.27509	hypo	sig	chr1_203050009
chr12	1.14E+08	114404175	+	2.513E-31	1.70521E-29	0.214408	hyper	sig	chr12_114404175
chr5	64506575	64506575	+	2.514E-31	1.70608E-29	0.204798	hyper	sig	chr5_64506575
chr3	1.88E+08	187669833	+	2.521E-31	1.71049E-29	0.248767	hyper	sig	chr3_187669833
chr13	1.1E+08	110307039	+	2.535E-31	1.71994E-29	0.209495	hyper	sig	chr13_110307039
chr7	35254826	35254826	+	2.548E-31	1.72853E-29	0.317413	hyper	sig	chr7_35254826
chr15	52795462	52795462	+	2.558E-31	1.73524E-29	0.292216	hyper	sig	chr15_52795462
chr11	313408	313408	+	2.559E-31	1.73557E-29	-0.25161	hypo	sig	chr11_313408
chr4	1.76E+08	176066089	+	2.564E-31	1.73898E-29	0.217693	hyper	sig	chr4_176066089
chr3	1.47E+08	147423485	+	2.564E-31	1.73915E-29	0.235541	hyper	sig	chr3_147423485
chr10	1.05E+08	104642624	+	2.568E-31	1.74134E-29	0.234497	hyper	sig	chr10_104642624
chr14	56817224	56817224	+	2.569E-31	1.74185E-29	0.358681	hyper	sig	chr14_56817224
chr6	1.67E+08	166870822	+	2.571E-31	1.74299E-29	-0.3982	hypo	sig	chr6_166870822
chr2	1.39E+08	138780159	+	2.571E-31	1.74319E-29	0.230472	hyper	sig	chr2_138780159
chr4	7433668	7433668	+	2.572E-31	1.74385E-29	-0.25624	hypo	sig	chr4_7433668
chr8	1.4E+08	139654636	+	2.575E-31	1.74574E-29	-0.26113	hypo	sig	chr8_139654636
chr17	17352457	17352457	+	2.586E-31	1.75258E-29	-0.25896	hypo	sig	chr17_17352457
chr18	21243033	21243033	+	2.592E-31	1.75684E-29	0.246365	hyper	sig	chr18_21243033
chr7	1.17E+08	117322886	+	2.594E-31	1.75793E-29	0.34239	hyper	sig	chr7_117322886
chr7	1.5E+08	149820507	+	2.607E-31	1.76632E-29	-0.24089	hypo	sig	chr7_149820507
chr10	23174442	23174442	+	2.618E-31	1.77309E-29	0.275154	hyper	sig	chr10_23174442
chr12	85273793	85273793	+	2.618E-31	1.77309E-29	0.293306	hyper	sig	chr12_85273793
chr9	1.34E+08	133609613	+	2.617E-31	1.77309E-29	0.244715	hyper	sig	chr9_133609613
chr14	28774273	28774273	+	2.634E-31	1.78384E-29	0.266082	hyper	sig	chr14_28774273

chr3	1.92E+08	192408476	+	2.634E-31	1.78406E-29	0.311386	hyper	sig	chr3_192408476
chr15	83285046	83285046	+	2.639E-31	1.78747E-29	0.317917	hyper	sig	chr15_83285046
chr11	865991	865991	+	2.64E-31	1.78764E-29	-0.33171	hypo	sig	chr11_865991
chr4	1.11E+08	110614381	+	2.641E-31	1.78814E-29	0.355952	hyper	sig	chr4_110614381
chr19	55362967	55362967	+	2.648E-31	1.79301E-29	-0.29338	hypo	sig	chr19_55362967
chr6	33976128	33976128	+	2.655E-31	1.79709E-29	0.39715	hyper	sig	chr6_33976128
chr19	9362947	9362947	+	2.658E-31	1.79919E-29	0.289609	hyper	sig	chr19_9362947
chr7	4613191	4613191	+	2.661E-31	1.80105E-29	-0.2568	hypo	sig	chr7_4613191
chr5	1.77E+08	177116995	+	2.661E-31	1.80123E-29	0.24694	hyper	sig	chr5_177116995
chr9	1.37E+08	136745865	+	2.665E-31	1.80366E-29	-0.31166	hypo	sig	chr9_136745865
chr10	50674936	50674936	+	2.674E-31	1.80944E-29	-0.26955	hypo	sig	chr10_50674936
chr9	1.31E+08	131034877	+	2.677E-31	1.81163E-29	-0.32351	hypo	sig	chr9_131034877
chr7	92608988	92608988	+	2.724E-31	1.84303E-29	-0.32443	hypo	sig	chr7_92608988
chr1	1.53E+08	152580018	+	2.729E-31	1.84626E-29	-0.3311	hypo	sig	chr1_152580018
chr4	84501131	84501131	+	2.742E-31	1.85467E-29	0.23765	hyper	sig	chr4_84501131
chr4	1.11E+08	110630651	+	2.755E-31	1.86361E-29	0.284915	hyper	sig	chr4_110630651
chr5	1.41E+08	141398846	+	2.756E-31	1.86382E-29	0.236956	hyper	sig	chr5_141398846
chr2	1.31E+08	130964155	+	2.756E-31	1.8639E-29	0.203004	hyper	sig	chr2_130964155
chr3	1.2E+08	119810301	+	2.758E-31	1.86497E-29	0.263432	hyper	sig	chr3_119810301
chr3	1.47E+08	147422351	+	2.762E-31	1.86724E-29	0.299647	hyper	sig	chr3_147422351
chr10	1.01E+08	100519940	+	2.763E-31	1.86792E-29	0.300034	hyper	sig	chr10_100519940
chr8	48735180	48735180	+	2.764E-31	1.86833E-29	0.282135	hyper	sig	chr8_48735180
chr22	37186269	37186269	+	2.768E-31	1.87115E-29	-0.26933	hypo	sig	chr22_37186269
chr13	27927309	27927309	+	2.773E-31	1.8743E-29	0.330748	hyper	sig	chr13_27927309
chr10	1.32E+08	132375268	+	2.775E-31	1.87526E-29	-0.2342	hypo	sig	chr10_132375268
chr20	21514035	21514035	+	2.781E-31	1.87922E-29	0.241196	hyper	sig	chr20_21514035
chr20	46513619	46513619	+	2.789E-31	1.88421E-29	0.220103	hyper	sig	chr20_46513619
chr5	93588392	93588392	+	2.81E-31	1.89838E-29	0.277719	hyper	sig	chr5_93588392
chr15	52789053	52789053	+	2.812E-31	1.89942E-29	0.281785	hyper	sig	chr15_52789053
chr19	22422359	22422359	+	2.812E-31	1.89942E-29	0.261351	hyper	sig	chr19_22422359
chr4	1.09E+08	109302627	+	2.813E-31	1.9004E-29	0.277749	hyper	sig	chr4_109302627
chr16	46731573	46731573	+	2.83E-31	1.91143E-29	-0.32434	hypo	sig	chr16_46731573
chr17	48725459	48725459	+	2.834E-31	1.91375E-29	0.245525	hyper	sig	chr17_48725459
chr14	1.05E+08	104819765	+	2.845E-31	1.92122E-29	-0.25771	hypo	sig	chr14_104819765
chr12	53939373	53939373	+	2.845E-31	1.92133E-29	0.246804	hyper	sig	chr12_53939373
chr5	73444870	73444870	+	2.863E-31	1.93325E-29	0.285107	hyper	sig	chr5_73444870
chr10	96129622	96129622	+	2.864E-31	1.93363E-29	-0.23311	hypo	sig	chr10_96129622
chr6	1.33E+08	133242688	+	2.87E-31	1.93756E-29	0.264619	hyper	sig	chr6_133242688
chr11	31799529	31799529	+	2.873E-31	1.93949E-29	0.264202	hyper	sig	chr11_31799529
chr14	69850149	69850149	+	2.89E-31	1.95068E-29	-0.3515	hypo	sig	chr14_69850149
chr11	1344254	1344254	+	2.893E-31	1.95256E-29	-0.25203	hypo	sig	chr11_1344254
chr19	56393687	56393687	+	2.895E-31	1.95385E-29	0.304166	hyper	sig	chr19_56393687
chr10	1.29E+08	128541063	+	2.901E-31	1.95756E-29	0.235267	hyper	sig	chr10_128541063
chr12	1.11E+08	111034183	+	2.908E-31	1.96227E-29	0.215812	hyper	sig	chr12_111034183
chr9	98944379	98944379	+	2.909E-31	1.96249E-29	0.273441	hyper	sig	chr9_98944379
chr2	2.31E+08	231401129	+	2.924E-31	1.97267E-29	0.389601	hyper	sig	chr2_231401129
chr16	51150216	51150216	+	2.925E-31	1.97283E-29	0.317468	hyper	sig	chr16_51150216
chr15	52789051	52789051	+	2.94E-31	1.98305E-29	0.284735	hyper	sig	chr15_52789051
chr7	71133296	71133296	+	2.94E-31	1.98305E-29	0.317745	hyper	sig	chr7_71133296
chr8	64369628	64369628	+	2.943E-31	1.9847E-29	0.287534	hyper	sig	chr8_64369628
chr4	1.66E+08	165874115	+	2.944E-31	1.98507E-29	0.27768	hyper	sig	chr4_165874115
chr1	1333548	1333548	+	2.95E-31	1.98901E-29	-0.26702	hypo	sig	chr1_1333548
chr3	79766503	79766503	+	2.954E-31	1.9913E-29	0.27509	hyper	sig	chr3_79766503
chr6	1.5E+08	149965378	+	2.959E-31	1.99459E-29	0.292816	hyper	sig	chr6_149965378
chr5	1.71E+08	171308235	+	2.965E-31	1.99831E-29	0.239209	hyper	sig	chr5_171308235
chr14	85530453	85530453	+	2.97E-31	2.00201E-29	0.352618	hyper	sig	chr14_85530453

chr15	45704353	45704353	+	2.971E-31	2.00247E-29	0.274095	hyper	sig	chr15_45704353
chr6	1.46E+08	146029449	+	2.981E-31	2.00887E-29	0.292443	hyper	sig	chr6_146029449
chr7	92608786	92608786	+	2.984E-31	2.01049E-29	-0.29682	hypo	sig	chr7_92608786
chr1	3550626	3550626	+	2.987E-31	2.01227E-29	-0.25883	hypo	sig	chr1_3550626
chr2	5697337	5697337	+	2.991E-31	2.01493E-29	0.295725	hyper	sig	chr2_5697337
chr15	83284997	83284997	+	2.995E-31	2.01764E-29	0.274863	hyper	sig	chr15_83284997
chr3	10816706	10816706	+	2.996E-31	2.01784E-29	0.24822	hyper	sig	chr3_10816706
chr8	1.43E+08	143274818	+	3E-31	2.02098E-29	-0.29336	hypo	sig	chr8_143274818
chr3	1.47E+08	147409939	+	3.007E-31	2.0255E-29	0.306416	hyper	sig	chr3_147409939
chr11	67270943	67270943	+	3.014E-31	2.02989E-29	-0.22244	hypo	sig	chr11_67270943
chr8	11806075	11806075	+	3.021E-31	2.03445E-29	-0.36745	hypo	sig	chr8_11806075
chr19	6703143	6703143	+	3.022E-31	2.03502E-29	-0.30538	hypo	sig	chr19_6703143
chr2	10042892	10042892	+	3.024E-31	2.03628E-29	0.270754	hyper	sig	chr2_10042892
chr14	56799195	56799195	+	3.025E-31	2.03656E-29	0.315475	hyper	sig	chr14_56799195
chr3	43997970	43997970	+	3.025E-31	2.03663E-29	0.26617	hyper	sig	chr3_43997970
chr7	38975997	38975997	+	3.037E-31	2.04447E-29	0.326777	hyper	sig	chr7_38975997
chr11	30016149	30016149	+	3.044E-31	2.04864E-29	0.313628	hyper	sig	chr11_30016149
chr2	1.19E+08	118849851	+	3.045E-31	2.04897E-29	0.286632	hyper	sig	chr2_118849851
chr7	1.55E+08	155467622	+	3.048E-31	2.05074E-29	0.301301	hyper	sig	chr7_155467622
chr6	1.08E+08	108174733	+	3.063E-31	2.06061E-29	0.304177	hyper	sig	chr6_108174733
chr1	3275096	3275096	+	3.063E-31	2.06083E-29	-0.2457	hypo	sig	chr1_3275096
chr14	24132586	24132586	+	3.073E-31	2.06762E-29	-0.28448	hypo	sig	chr14_24132586
chr11	31802728	31802728	+	3.089E-31	2.07765E-29	0.292416	hyper	sig	chr11_31802728
chr5	93588404	93588404	+	3.09E-31	2.07852E-29	0.280393	hyper	sig	chr5_93588404
chr10	23191338	23191338	+	3.092E-31	2.07932E-29	0.206725	hyper	sig	chr10_23191338
chr6	1.5E+08	149964724	+	3.102E-31	2.08598E-29	0.260128	hyper	sig	chr6_149964724
chr14	74240670	74240670	+	3.105E-31	2.0878E-29	0.307127	hyper	sig	chr14_74240670
chr10	1.01E+08	101134217	+	3.106E-31	2.08836E-29	0.301775	hyper	sig	chr10_101134217
chr11	1.11E+08	111300612	+	3.113E-31	2.09296E-29	-0.31535	hypo	sig	chr11_111300612
chr10	3096228	3096228	+	3.115E-31	2.09405E-29	-0.27193	hypo	sig	chr10_3096228
chr12	1.04E+08	104303793	+	3.115E-31	2.0941E-29	0.29765	hyper	sig	chr12_104303793
chr16	21536963	21536963	+	3.126E-31	2.10097E-29	-0.27147	hypo	sig	chr16_21536963
chr2	2.24E+08	224441234	+	3.126E-31	2.10097E-29	-0.41615	hypo	sig	chr2_224441234
chr22	24427082	24427082	+	3.136E-31	2.10765E-29	-0.24161	hypo	sig	chr22_24427082
chr1	20553133	20553133	+	3.147E-31	2.11503E-29	0.258652	hyper	sig	chr1_20553133
chr1	47434470	47434470	+	3.152E-31	2.11766E-29	0.299071	hyper	sig	chr1_47434470
chr2	74415403	74415403	+	3.158E-31	2.12163E-29	0.333861	hyper	sig	chr2_74415403
chr10	1.01E+08	100519965	+	3.181E-31	2.13693E-29	0.277677	hyper	sig	chr10_100519965
chr3	1.6E+08	160039025	+	3.19E-31	2.14255E-29	0.355858	hyper	sig	chr3_160039025
chr7	1.55E+08	155373577	+	3.217E-31	2.16053E-29	0.220385	hyper	sig	chr7_155373577
chr2	2.42E+08	241863737	+	3.219E-31	2.16196E-29	0.231028	hyper	sig	chr2_241863737
chr4	785385	785385	+	3.245E-31	2.17886E-29	0.297882	hyper	sig	chr4_785385
chr8	4994908	4994908	+	3.252E-31	2.18315E-29	0.301086	hyper	sig	chr8_4994908
chr7	4837307	4837307	+	3.259E-31	2.18821E-29	-0.27055	hypo	sig	chr7_4837307
chr7	2157295	2157295	+	3.26E-31	2.18858E-29	-0.27245	hypo	sig	chr7_2157295
chr16	86516078	86516078	+	3.269E-31	2.19404E-29	0.284325	hyper	sig	chr16_86516078
chr16	86578767	86578767	+	3.269E-31	2.19404E-29	0.29478	hyper	sig	chr16_86578767
chr10	1.16E+08	116272113	+	3.27E-31	2.19451E-29	0.236652	hyper	sig	chr10_116272113
chr7	1.59E+08	158979099	+	3.27E-31	2.19456E-29	-0.26468	hypo	sig	chr7_158979099
chr22	38412463	38412463	+	3.271E-31	2.19497E-29	-0.28889	hypo	sig	chr22_38412463
chr15	60395790	60395790	+	3.282E-31	2.20212E-29	-0.33221	hypo	sig	chr15_60395790
chr1	1.47E+08	147073279	+	3.287E-31	2.20488E-29	0.268404	hyper	sig	chr1_147073279
chr11	40293840	40293840	+	3.293E-31	2.20858E-29	0.279337	hyper	sig	chr11_40293840
chr7	27108519	27108519	+	3.293E-31	2.20875E-29	0.284381	hyper	sig	chr7_27108519
chr16	77788889	77788889	+	3.295E-31	2.20994E-29	0.308654	hyper	sig	chr16_77788889
chr11	1.13E+08	112962279	+	3.297E-31	2.21075E-29	0.213479	hyper	sig	chr11_112962279

chr5	1.35E+08	135038725	+	3.311E-31	2.22021E-29	0.280915	hyper	sig	chr5_135038725
chr4	653596	653596	+	3.316E-31	2.22329E-29	-0.22568	hypo	sig	chr4_653596
chr7	27108549	27108549	+	3.318E-31	2.22468E-29	0.272269	hyper	sig	chr7_27108549
chr2	74415360	74415360	+	3.321E-31	2.22638E-29	0.289582	hyper	sig	chr2_74415360
chr2	1.19E+08	119159079	+	3.325E-31	2.22886E-29	0.246467	hyper	sig	chr2_119159079
chr1	2.03E+08	203051489	+	3.331E-31	2.23265E-29	-0.21409	hypo	sig	chr1_203051489
chr16	85162555	85162555	+	3.344E-31	2.24096E-29	-0.29176	hypo	sig	chr16_85162555
chr19	35558490	35558490	+	3.346E-31	2.24224E-29	0.280506	hyper	sig	chr19_35558490
chr15	37098088	37098088	+	3.354E-31	2.2475E-29	0.328022	hyper	sig	chr15_37098088
chr5	1.35E+08	135039011	+	3.372E-31	2.25889E-29	0.263878	hyper	sig	chr5_135039011
chr4	4863106	4863106	+	3.403E-31	2.27957E-29	0.314476	hyper	sig	chr4_4863106
chr10	1.18E+08	117735045	+	3.411E-31	2.28429E-29	0.246301	hyper	sig	chr10_117735045
chr8	1.24E+08	123540009	+	3.429E-31	2.29611E-29	-0.44848	hypo	sig	chr8_123540009
chr7	24283906	24283906	+	3.435E-31	2.30003E-29	0.373886	hyper	sig	chr7_24283906
chr13	57629474	57629474	+	3.437E-31	2.30114E-29	0.31293	hyper	sig	chr13_57629474
chr5	1.41E+08	141382662	+	3.438E-31	2.3016E-29	0.242783	hyper	sig	chr5_141382662
chr14	94771049	94771049	+	3.439E-31	2.30187E-29	0.235128	hyper	sig	chr14_94771049
chr5	1.8E+08	180135620	+	3.446E-31	2.30671E-29	-0.30741	hypo	sig	chr5_180135620
chr12	1.3E+08	130042371	+	3.448E-31	2.30745E-29	0.250064	hyper	sig	chr12_130042371
chr15	83447103	83447103	+	3.448E-31	2.30745E-29	0.208658	hyper	sig	chr15_83447103
chr8	1.23E+08	123182887	+	3.452E-31	2.31006E-29	-0.25386	hypo	sig	chr8_123182887
chr19	52370125	52370125	+	3.462E-31	2.31671E-29	0.32352	hyper	sig	chr19_52370125
chr17	81461123	81461123	+	3.503E-31	2.34367E-29	-0.23861	hypo	sig	chr17_81461123
chr1	3651109	3651109	+	3.503E-31	2.34374E-29	0.277254	hyper	sig	chr1_3651109
chr11	1.11E+08	111300621	+	3.504E-31	2.34417E-29	-0.33356	hypo	sig	chr11_111300621
chr11	32433174	32433174	+	3.525E-31	2.35748E-29	0.273952	hyper	sig	chr11_32433174
chr20	56925561	56925561	+	3.531E-31	2.36136E-29	0.210283	hyper	sig	chr20_56925561
chr3	1.25E+08	125357604	+	3.535E-31	2.36423E-29	0.311483	hyper	sig	chr3_125357604
chr12	1.03E+08	103302387	+	3.542E-31	2.3683E-29	0.326303	hyper	sig	chr12_103302387
chr13	20946364	20946364	+	3.542E-31	2.3683E-29	0.333376	hyper	sig	chr13_20946364
chr1	75135496	75135496	+	3.546E-31	2.3709E-29	0.224013	hyper	sig	chr1_75135496
chr5	1886785	1886785	+	3.558E-31	2.37845E-29	0.292482	hyper	sig	chr5_1886785
chr13	36155052	36155052	+	3.559E-31	2.37879E-29	0.297602	hyper	sig	chr13_36155052
chr11	92225653	92225653	+	3.579E-31	2.39191E-29	0.366284	hyper	sig	chr11_92225653
chr17	57596521	57596521	+	3.585E-31	2.39583E-29	-0.26181	hypo	sig	chr17_57596521
chr1	1117689	1117689	+	3.602E-31	2.40723E-29	-0.24087	hypo	sig	chr1_1117689
chr19	57727635	57727635	+	3.605E-31	2.40896E-29	0.230617	hyper	sig	chr19_57727635
chr21	20997567	20997567	+	3.606E-31	2.40925E-29	0.300086	hyper	sig	chr21_20997567
chr9	97848417	97848417	+	3.62E-31	2.41851E-29	0.40234	hyper	sig	chr9_97848417
chr21	46296596	46296596	+	3.623E-31	2.42058E-29	0.253097	hyper	sig	chr21_46296596
chr7	19106615	19106615	+	3.624E-31	2.42106E-29	0.287557	hyper	sig	chr7_19106615
chr7	1.58E+08	157522041	+	3.648E-31	2.43665E-29	-0.21619	hypo	sig	chr7_157522041
chr17	76077446	76077446	+	3.659E-31	2.44354E-29	0.336494	hyper	sig	chr17_76077446
chr4	1.39E+08	139279498	+	3.662E-31	2.44549E-29	0.261163	hyper	sig	chr4_139279498
chr14	36659405	36659405	+	3.69E-31	2.46425E-29	0.277317	hyper	sig	chr14_36659405
chr5	3592403	3592403	+	3.691E-31	2.46473E-29	0.229324	hyper	sig	chr5_3592403
chr13	1.08E+08	107868229	+	3.693E-31	2.46577E-29	0.263478	hyper	sig	chr13_107868229
chr4	1.54E+08	154333361	+	3.703E-31	2.47221E-29	0.213282	hyper	sig	chr4_154333361
chr2	2.02E+08	202123601	+	3.71E-31	2.47643E-29	-0.35245	hypo	sig	chr2_202123601
chr5	1.16E+08	115962031	+	3.724E-31	2.48588E-29	0.284679	hyper	sig	chr5_115962031
chr5	1.43E+08	143405594	+	3.745E-31	2.49957E-29	0.260115	hyper	sig	chr5_143405594
chr1	2E+08	200036325	+	3.746E-31	2.49967E-29	0.400727	hyper	sig	chr1_200036325
chr19	36421812	36421812	+	3.747E-31	2.50045E-29	0.30592	hyper	sig	chr19_36421812
chr2	63053947	63053947	+	3.747E-31	2.50047E-29	0.200179	hyper	sig	chr2_63053947
chr22	16602528	16602528	+	3.752E-31	2.50315E-29	0.296686	hyper	sig	chr22_16602528
chr11	32431293	32431293	+	3.758E-31	2.50725E-29	0.255508	hyper	sig	chr11_32431293

chr11	32433909	32433909	+	3.762E-31	2.50929E-29	0.308158	hyper	sig	chr11_32433909
chr20	21713849	21713849	+	3.77E-31	2.51447E-29	0.255126	hyper	sig	chr20_21713849
chr21	33023076	33023076	+	3.779E-31	2.52035E-29	0.344602	hyper	sig	chr21_33023076
chr7	27106826	27106826	+	3.785E-31	2.5243E-29	0.247369	hyper	sig	chr7_27106826
chr3	49686127	49686127	+	3.786E-31	2.52454E-29	0.265271	hyper	sig	chr3_49686127
chr7	27124225	27124225	+	3.787E-31	2.52536E-29	0.240715	hyper	sig	chr7_27124225
chr11	64061286	64061286	+	3.79E-31	2.52675E-29	0.25331	hyper	sig	chr11_64061286
chr9	97221214	97221214	+	3.81E-31	2.53996E-29	0.364311	hyper	sig	chr9_97221214
chr6	32763425	32763425	+	3.811E-31	2.54046E-29	-0.30643	hypo	sig	chr6_32763425
chr2	1.39E+08	138780143	+	3.824E-31	2.54884E-29	0.286125	hyper	sig	chr2_138780143
chr10	93060308	93060308	+	3.83E-31	2.55285E-29	0.28802	hyper	sig	chr10_93060308
chr19	18304836	18304836	+	3.831E-31	2.55285E-29	-0.2164	hypo	sig	chr19_18304836
chr17	75707220	75707220	+	3.835E-31	2.55566E-29	-0.29935	hypo	sig	chr17_75707220
chr11	1086409	1086409	+	3.843E-31	2.56038E-29	-0.28891	hypo	sig	chr11_1086409
chr3	1.47E+08	147424596	+	3.884E-31	2.58762E-29	0.275581	hyper	sig	chr3_147424596
chr2	2.27E+08	227167299	+	3.894E-31	2.59389E-29	-0.30667	hypo	sig	chr2_227167299
chr12	4909622	4909622	+	3.897E-31	2.59601E-29	0.217512	hyper	sig	chr12_4909622
chr1	10672299	10672299	+	3.901E-31	2.59832E-29	0.35855	hyper	sig	chr1_10672299
chr20	25083632	25083632	+	3.915E-31	2.60789E-29	0.273842	hyper	sig	chr20_25083632
chr3	27730263	27730263	+	3.916E-31	2.60818E-29	0.212347	hyper	sig	chr3_27730263
chr17	78459879	78459879	+	3.937E-31	2.62166E-29	-0.2845	hypo	sig	chr17_78459879
chr12	54047271	54047271	+	3.938E-31	2.62216E-29	0.22765	hyper	sig	chr12_54047271
chr13	36130843	36130843	+	3.945E-31	2.62697E-29	0.245496	hyper	sig	chr13_36130843
chr11	30012943	30012943	+	3.964E-31	2.63901E-29	-0.2498	hypo	sig	chr11_30012943
chr16	1044666	1044666	+	3.964E-31	2.63901E-29	-0.273	hypo	sig	chr16_1044666
chr22	31618419	31618419	+	3.976E-31	2.64655E-29	0.249438	hyper	sig	chr22_31618419
chr5	1.59E+08	159100694	+	3.978E-31	2.64777E-29	0.235635	hyper	sig	chr5_159100694
chr5	1.41E+08	141420957	+	3.984E-31	2.65148E-29	0.266272	hyper	sig	chr5_141420957
chr14	92324253	92324253	+	3.986E-31	2.65285E-29	0.279737	hyper	sig	chr14_92324253
chr1	1.47E+08	147072759	+	3.99E-31	2.65541E-29	0.331868	hyper	sig	chr1_147072759
chr17	79183639	79183639	+	3.999E-31	2.66095E-29	0.225827	hyper	sig	chr17_79183639
chr1	75128195	75128195	+	4E-31	2.66154E-29	0.22602	hyper	sig	chr1_75128195
chr6	84764941	84764941	+	4.001E-31	2.66184E-29	0.252251	hyper	sig	chr6_84764941
chr11	1.16E+08	115711281	+	4.003E-31	2.66271E-29	-0.30348	hypo	sig	chr11_115711281
chr10	1.3E+08	129969737	+	4.008E-31	2.66596E-29	0.210587	hyper	sig	chr10_129969737
chr17	7740891	7740891	+	4.011E-31	2.66749E-29	-0.31957	hypo	sig	chr17_7740891
chr3	1.2E+08	119810372	+	4.015E-31	2.67014E-29	0.250317	hyper	sig	chr3_119810372
chr13	57629899	57629899	+	4.06E-31	2.6995E-29	0.292423	hyper	sig	chr13_57629899
chr16	89085365	89085365	+	4.067E-31	2.70382E-29	-0.30321	hypo	sig	chr16_89085365
chr11	69449889	69449889	+	4.071E-31	2.70604E-29	-0.23381	hypo	sig	chr11_69449889
chr14	1.04E+08	104158914	+	4.082E-31	2.71301E-29	-0.27138	hypo	sig	chr14_104158914
chr7	27124207	27124207	+	4.082E-31	2.71326E-29	0.258898	hyper	sig	chr7_27124207
chr1	78491530	78491530	+	4.088E-31	2.71678E-29	0.283075	hyper	sig	chr1_78491530
chr21	41765567	41765567	+	4.089E-31	2.71712E-29	-0.22887	hypo	sig	chr21_41765567
chr21	26967866	26967866	+	4.098E-31	2.72293E-29	0.276171	hyper	sig	chr21_26967866
chr11	1086281	1086281	+	4.099E-31	2.72315E-29	-0.25548	hypo	sig	chr11_1086281
chr12	85273600	85273600	+	4.104E-31	2.72668E-29	0.286045	hyper	sig	chr12_85273600
chr15	88604686	88604686	+	4.121E-31	2.73757E-29	0.201105	hyper	sig	chr15_88604686
chr17	68198837	68198837	+	4.145E-31	2.75314E-29	0.281349	hyper	sig	chr17_68198837
chr13	1.11E+08	110506721	+	4.148E-31	2.75536E-29	-0.28781	hypo	sig	chr13_110506721
chr16	71426297	71426297	+	4.182E-31	2.77752E-29	0.2737	hyper	sig	chr16_71426297
chr6	71421081	71421081	+	4.184E-31	2.77826E-29	0.257374	hyper	sig	chr6_71421081
chr5	481543	481543	+	4.187E-31	2.78035E-29	-0.25342	hypo	sig	chr5_481543
chr7	2661956	2661956	+	4.215E-31	2.79846E-29	-0.31103	hypo	sig	chr7_2661956
chr14	60510655	60510655	+	4.229E-31	2.80742E-29	0.284847	hyper	sig	chr14_60510655
chr11	22433041	22433041	+	4.24E-31	2.81424E-29	0.296691	hyper	sig	chr11_22433041

chr1	1210318	1210318	+	4.241E-31	2.81475E-29	-0.2798	hypo	sig	chr1_1210318
chr5	2747871	2747871	+	4.263E-31	2.82888E-29	0.278195	hyper	sig	chr5_2747871
chr19	48444378	48444378	+	4.269E-31	2.83318E-29	0.300485	hyper	sig	chr19_48444378
chr14	93787805	93787805	+	4.276E-31	2.8376E-29	0.320222	hyper	sig	chr14_93787805
chr9	19788253	19788253	+	4.284E-31	2.8422E-29	0.286679	hyper	sig	chr9_19788253
chr14	36659381	36659381	+	4.285E-31	2.84253E-29	0.297899	hyper	sig	chr14_36659381
chr12	75209247	75209247	+	4.286E-31	2.8434E-29	0.361905	hyper	sig	chr12_75209247
chr12	1.32E+08	132329083	+	4.297E-31	2.85027E-29	0.255406	hyper	sig	chr12_132329083
chr11	20163091	20163091	+	4.3E-31	2.85189E-29	0.235122	hyper	sig	chr11_20163091
chr7	27103626	27103626	+	4.304E-31	2.85466E-29	0.285614	hyper	sig	chr7_27103626
chr20	63007265	63007265	+	4.305E-31	2.85519E-29	0.320197	hyper	sig	chr20_63007265
chr2	1.24E+08	124025279	+	4.338E-31	2.87594E-29	0.269437	hyper	sig	chr2_124025279
chr8	64369015	64369015	+	4.357E-31	2.88818E-29	0.242948	hyper	sig	chr8_64369015
chr22	49671282	49671282	+	4.37E-31	2.89691E-29	0.294104	hyper	sig	chr22_49671282
chr14	28774428	28774428	+	4.39E-31	2.90989E-29	0.260768	hyper	sig	chr14_28774428
chr17	65538577	65538577	+	4.394E-31	2.91254E-29	-0.2781	hypo	sig	chr17_65538577
chr22	24603289	24603289	+	4.419E-31	2.92885E-29	-0.23088	hypo	sig	chr22_24603289
chr16	55656508	55656508	+	4.476E-31	2.96604E-29	0.272538	hyper	sig	chr16_55656508
chr22	16602571	16602571	+	4.481E-31	2.96879E-29	0.271284	hyper	sig	chr22_16602571
chr5	1.41E+08	141225731	+	4.484E-31	2.97099E-29	0.286644	hyper	sig	chr5_141225731
chr6	1.12E+08	112347199	+	4.52E-31	2.99461E-29	-0.30997	hypo	sig	chr6_112347199
chr7	561687	561687	+	4.525E-31	2.99704E-29	0.288374	hyper	sig	chr7_561687
chr11	493161	493161	+	4.532E-31	3.00151E-29	-0.23012	hypo	sig	chr11_493161
chr19	23914793	23914793	+	4.533E-31	3.0022E-29	0.27916	hyper	sig	chr19_23914793
chr6	10884081	10884081	+	4.545E-31	3.01018E-29	0.32368	hyper	sig	chr6_10884081
chr3	1.47E+08	147412013	+	4.556E-31	3.01683E-29	0.334716	hyper	sig	chr3_147412013
chr11	22432941	22432941	+	4.558E-31	3.01809E-29	0.27512	hyper	sig	chr11_22432941
chr1	90716731	90716731	+	4.585E-31	3.03556E-29	0.277342	hyper	sig	chr1_90716731
chr7	27102908	27102908	+	4.588E-31	3.03742E-29	0.360157	hyper	sig	chr7_27102908
chr7	1.56E+08	155922400	+	4.608E-31	3.05023E-29	-0.29945	hypo	sig	chr7_155922400
chr12	1.32E+08	132261093	+	4.612E-31	3.05259E-29	-0.26701	hypo	sig	chr12_132261093
chr14	94773113	94773113	+	4.623E-31	3.05961E-29	0.249621	hyper	sig	chr14_94773113
chr10	1.33E+08	133165847	+	4.623E-31	3.05985E-29	-0.30312	hypo	sig	chr10_133165847
chr11	43581364	43581364	+	4.626E-31	3.06121E-29	0.261614	hyper	sig	chr11_43581364
chr9	14993508	14993508	+	4.65E-31	3.07716E-29	0.312671	hyper	sig	chr9_14993508
chr7	1.55E+08	155467587	+	4.663E-31	3.08528E-29	0.309408	hyper	sig	chr7_155467587
chr22	33058578	33058578	+	4.665E-31	3.0861E-29	0.253971	hyper	sig	chr22_33058578
chr1	1.47E+08	147080104	+	4.677E-31	3.09396E-29	0.284775	hyper	sig	chr1_147080104
chr4	5710961	5710961	+	4.694E-31	3.10498E-29	0.333281	hyper	sig	chr4_5710961
chr7	1.49E+08	149462308	+	4.695E-31	3.10524E-29	-0.28514	hypo	sig	chr7_149462308
chr4	5890608	5890608	+	4.695E-31	3.10545E-29	0.338009	hyper	sig	chr4_5890608
chr19	15511935	15511935	+	4.713E-31	3.11654E-29	-0.35354	hypo	sig	chr19_15511935
chr6	1.5E+08	149965321	+	4.734E-31	3.13016E-29	0.286894	hyper	sig	chr6_149965321
chr4	1.66E+08	165874491	+	4.745E-31	3.13738E-29	0.309308	hyper	sig	chr4_165874491
chr19	524336	524336	+	4.765E-31	3.15028E-29	-0.28863	hypo	sig	chr19_524336
chr3	1.88E+08	187669813	+	4.772E-31	3.15433E-29	0.259032	hyper	sig	chr3_187669813
chr9	97852962	97852962	+	4.774E-31	3.1556E-29	0.261706	hyper	sig	chr9_97852962
chr10	7666343	7666343	+	4.778E-31	3.15793E-29	0.244055	hyper	sig	chr10_7666343
chr7	1.57E+08	157387357	+	4.78E-31	3.15887E-29	-0.22002	hypo	sig	chr7_157387357
chr3	1.2E+08	119810286	+	4.794E-31	3.16825E-29	0.287515	hyper	sig	chr3_119810286
chr12	4809998	4809998	+	4.795E-31	3.16851E-29	0.309078	hyper	sig	chr12_4809998
chr13	36346493	36346493	+	4.799E-31	3.17052E-29	0.22196	hyper	sig	chr13_36346493
chr10	1.33E+08	132592005	+	4.8E-31	3.17115E-29	-0.26552	hypo	sig	chr10_132592005
chr8	49910981	49910981	+	4.801E-31	3.17163E-29	0.240314	hyper	sig	chr8_49910981
chr8	42499076	42499076	+	4.813E-31	3.17896E-29	0.286799	hyper	sig	chr8_42499076
chr4	84501270	84501270	+	4.829E-31	3.18905E-29	0.243607	hyper	sig	chr4_84501270

chr13	78596837	78596837	+	4.831E-31	3.19022E-29	0.274899	hyper	sig	chr13_78596837
chr1	1.19E+08	119006180	+	4.859E-31	3.20844E-29	0.332789	hyper	sig	chr1_119006180
chr17	52159993	52159993	+	4.885E-31	3.22524E-29	0.241828	hyper	sig	chr17_52159993
chr14	56810509	56810509	+	4.894E-31	3.23155E-29	0.269694	hyper	sig	chr14_56810509
chr1	1.54E+08	153535043	+	4.901E-31	3.23513E-29	-0.34783	hypo	sig	chr1_153535043
chr1	2.21E+08	220887526	+	4.915E-31	3.24422E-29	0.274035	hyper	sig	chr1_220887526
chr12	1.3E+08	130042252	+	4.919E-31	3.24615E-29	0.254923	hyper	sig	chr12_130042252
chr19	2513304	2513304	+	4.967E-31	3.2774E-29	-0.34463	hypo	sig	chr19_2513304
chr7	1.37E+08	136868516	+	4.978E-31	3.2844E-29	0.258278	hyper	sig	chr7_136868516
chr9	1.37E+08	137243445	+	4.983E-31	3.28762E-29	-0.36524	hypo	sig	chr9_137243445
chr6	1.34E+08	134176495	+	4.991E-31	3.29267E-29	0.279328	hyper	sig	chr6_134176495
chr8	23707199	23707199	+	4.992E-31	3.29286E-29	0.254509	hyper	sig	chr8_23707199
chr2	1.31E+08	131040051	+	4.996E-31	3.29516E-29	0.301888	hyper	sig	chr2_131040051
chr11	1025978	1025978	+	5.004E-31	3.30033E-29	-0.28602	hypo	sig	chr11_1025978
chr4	1.55E+08	154744674	+	5.03E-31	3.31701E-29	0.292367	hyper	sig	chr4_154744674
chr7	1.59E+08	158990310	+	5.032E-31	3.31804E-29	-0.28403	hypo	sig	chr7_158990310
chr17	4786022	4786022	+	5.035E-31	3.3203E-29	0.337062	hyper	sig	chr17_4786022
chr4	1.11E+08	110631216	+	5.068E-31	3.34106E-29	0.208888	hyper	sig	chr4_110631216
chr7	1.55E+08	155373595	+	5.071E-31	3.34319E-29	0.24423	hyper	sig	chr7_155373595
chr21	43720950	43720950	+	5.079E-31	3.34749E-29	-0.28024	hypo	sig	chr21_43720950
chr20	63361137	63361137	+	5.092E-31	3.35571E-29	0.271451	hyper	sig	chr20_63361137
chr2	4884347	4884347	+	5.097E-31	3.35881E-29	-0.26012	hypo	sig	chr2_4884347
chr7	1.51E+08	151254420	+	5.099E-31	3.36013E-29	-0.30308	hypo	sig	chr7_151254420
chr1	3593971	3593971	+	5.13E-31	3.38049E-29	-0.32991	hypo	sig	chr1_3593971
chr15	92398759	92398759	+	5.161E-31	3.40056E-29	-0.37378	hypo	sig	chr15_92398759
chr19	53308659	53308659	+	5.167E-31	3.40383E-29	0.2705	hyper	sig	chr19_53308659
chr13	1.12E+08	112071804	+	5.179E-31	3.41123E-29	0.260204	hyper	sig	chr13_112071804
chr12	54053936	54053936	+	5.188E-31	3.41724E-29	0.231628	hyper	sig	chr12_54053936
chr15	74133745	74133745	+	5.199E-31	3.42384E-29	0.329991	hyper	sig	chr15_74133745
chr1	57423370	57423370	+	5.213E-31	3.4332E-29	0.301096	hyper	sig	chr1_57423370
chr6	27312187	27312187	+	5.233E-31	3.44562E-29	0.210265	hyper	sig	chr6_27312187
chr1	1.1E+08	110151383	+	5.256E-31	3.46039E-29	0.214383	hyper	sig	chr1_110151383
chr4	1.74E+08	173530054	+	5.268E-31	3.46847E-29	0.21354	hyper	sig	chr4_173530054
chr5	1.71E+08	171308182	+	5.27E-31	3.46908E-29	0.244323	hyper	sig	chr5_171308182
chr18	46757947	46757947	+	5.276E-31	3.47292E-29	0.246384	hyper	sig	chr18_46757947
chr19	36973520	36973520	+	5.288E-31	3.48047E-29	0.350233	hyper	sig	chr19_36973520
chr1	1.77E+08	177171564	+	5.331E-31	3.50854E-29	0.268303	hyper	sig	chr1_177171564
chr15	26866884	26866884	+	5.338E-31	3.51219E-29	0.311161	hyper	sig	chr15_26866884
chr19	35773127	35773127	+	5.338E-31	3.51219E-29	-0.28473	hypo	sig	chr19_35773127
chr16	88432735	88432735	+	5.339E-31	3.51284E-29	-0.27673	hypo	sig	chr16_88432735
chr11	24496705	24496705	+	5.343E-31	3.51512E-29	0.282948	hyper	sig	chr11_24496705
chr12	40693639	40693639	+	5.357E-31	3.52373E-29	0.287071	hyper	sig	chr12_40693639
chr13	36346595	36346595	+	5.361E-31	3.52593E-29	0.284631	hyper	sig	chr13_36346595
chr4	1349116	1349116	+	5.361E-31	3.52593E-29	-0.25803	hypo	sig	chr4_1349116
chr2	950324	950324	+	5.399E-31	3.55027E-29	0.258084	hyper	sig	chr2_950324
chr15	74133725	74133725	+	5.427E-31	3.56813E-29	0.346774	hyper	sig	chr15_74133725
chr9	1.34E+08	133609625	+	5.432E-31	3.57127E-29	0.216431	hyper	sig	chr9_133609625
chr17	77373581	77373581	+	5.437E-31	3.57422E-29	0.378158	hyper	sig	chr17_77373581
chr13	52848286	52848286	+	5.458E-31	3.58802E-29	0.249186	hyper	sig	chr13_52848286
chr4	1.55E+08	155376472	+	5.463E-31	3.59081E-29	0.280452	hyper	sig	chr4_155376472
chr1	78491568	78491568	+	5.464E-31	3.59135E-29	0.263917	hyper	sig	chr1_78491568
chr16	51153816	51153816	+	5.471E-31	3.59521E-29	0.313837	hyper	sig	chr16_51153816
chr2	2.37E+08	236568100	+	5.474E-31	3.59702E-29	0.234777	hyper	sig	chr2_236568100
chr5	1.71E+08	171316938	+	5.482E-31	3.60239E-29	0.315821	hyper	sig	chr5_171316938
chr5	1.14E+08	114055940	+	5.488E-31	3.60614E-29	0.299285	hyper	sig	chr5_114055940
chr2	1.31E+08	131040048	+	5.502E-31	3.6149E-29	0.297342	hyper	sig	chr2_131040048

chr16	71426517	71426517	+	5.518E-31	3.62519E-29	0.203265	hyper	sig	chr16_71426517
chr5	1.16E+08	115962026	+	5.526E-31	3.62958E-29	0.282484	hyper	sig	chr5_115962026
chr7	2661969	2661969	+	5.526E-31	3.62958E-29	-0.30663	hypo	sig	chr7_2661969
chr4	13525200	13525200	+	5.532E-31	3.63309E-29	0.338336	hyper	sig	chr4_13525200
chr16	67163816	67163816	+	5.551E-31	3.64549E-29	0.368844	hyper	sig	chr16_67163816
chr6	1.34E+08	134176497	+	5.552E-31	3.64549E-29	0.277578	hyper	sig	chr6_134176497
chr11	8168699	8168699	+	5.58E-31	3.66361E-29	0.303018	hyper	sig	chr11_8168699
chr1	1.14E+08	114154265	+	5.593E-31	3.6721E-29	0.266246	hyper	sig	chr1_114154265
chr2	74516288	74516288	+	5.597E-31	3.67446E-29	0.240726	hyper	sig	chr2_74516288
chr4	1.76E+08	176001654	+	5.602E-31	3.67683E-29	0.240966	hyper	sig	chr4_176001654
chr10	23173229	23173229	+	5.606E-31	3.67934E-29	0.334685	hyper	sig	chr10_23173229
chr4	1.21E+08	121380545	+	5.615E-31	3.68527E-29	0.303873	hyper	sig	chr4_121380545
chr14	1.04E+08	104357830	+	5.617E-31	3.686E-29	-0.2659	hypo	sig	chr14_104357830
chr11	1.12E+08	112499783	+	5.624E-31	3.69008E-29	-0.32806	hypo	sig	chr11_112499783
chr2	1.19E+08	119159067	+	5.628E-31	3.69232E-29	0.251538	hyper	sig	chr2_119159067
chr8	54469979	54469979	+	5.628E-31	3.69232E-29	0.284867	hyper	sig	chr8_54469979
chr6	32221365	32221365	+	5.637E-31	3.69807E-29	-0.2557	hypo	sig	chr6_32221365
chr11	72244144	72244144	+	5.642E-31	3.70118E-29	0.336869	hyper	sig	chr11_72244144
chr16	31527645	31527645	+	5.676E-31	3.72307E-29	-0.31464	hypo	sig	chr16_31527645
chr7	19107577	19107577	+	5.683E-31	3.72703E-29	0.212329	hyper	sig	chr7_19107577
chr8	64575798	64575798	+	5.687E-31	3.72944E-29	0.293951	hyper	sig	chr8_64575798
chr15	83285158	83285158	+	5.714E-31	3.74682E-29	0.390129	hyper	sig	chr15_83285158
chr8	1.16E+08	115667540	+	5.715E-31	3.74754E-29	0.259727	hyper	sig	chr8_115667540
chr11	856988	856988	+	5.727E-31	3.75469E-29	-0.27285	hypo	sig	chr11_856988
chr1	1.44E+08	143661922	+	5.744E-31	3.76566E-29	0.260919	hyper	sig	chr1_143661922
chr19	861885	861885	+	5.762E-31	3.77739E-29	-0.30569	hypo	sig	chr19_861885
chr3	1.66E+08	166445138	+	5.775E-31	3.78519E-29	-0.24468	hypo	sig	chr3_166445138
chr21	45025776	45025776	+	5.795E-31	3.79838E-29	-0.25958	hypo	sig	chr21_45025776
chr17	21377977	21377977	+	5.813E-31	3.80991E-29	0.226791	hyper	sig	chr17_21377977
chr16	87688698	87688698	+	5.829E-31	3.82008E-29	-0.29717	hypo	sig	chr16_87688698
chr8	2034789	2034789	+	5.836E-31	3.8243E-29	-0.33055	hypo	sig	chr8_2034789
chr6	29792212	29792212	+	5.884E-31	3.85548E-29	0.302794	hyper	sig	chr6_29792212
chr7	1.58E+08	157683988	+	5.9E-31	3.8656E-29	0.406316	hyper	sig	chr7_157683988
chr10	1.05E+08	104642761	+	5.912E-31	3.8734E-29	0.22337	hyper	sig	chr10_104642761
chr15	47184251	47184251	+	5.943E-31	3.89337E-29	0.223295	hyper	sig	chr15_47184251
chr1	2496614	2496614	+	5.95E-31	3.89746E-29	-0.32236	hypo	sig	chr1_2496614
chr6	50843175	50843175	+	5.965E-31	3.90629E-29	0.248147	hyper	sig	chr6_50843175
chr14	97219186	97219186	+	5.976E-31	3.91322E-29	0.317038	hyper	sig	chr14_97219186
chr20	21516118	21516118	+	5.978E-31	3.91466E-29	0.28602	hyper	sig	chr20_21516118
chr1	3434542	3434542	+	5.996E-31	3.92579E-29	-0.23244	hypo	sig	chr1_3434542
chr5	1.71E+08	171308389	+	6E-31	3.92849E-29	0.315594	hyper	sig	chr5_171308389
chr3	1.33E+08	133410678	+	6.02E-31	3.94132E-29	-0.28986	hypo	sig	chr3_133410678
chr16	29218878	29218878	+	6.033E-31	3.94903E-29	-0.2557	hypo	sig	chr16_29218878
chr4	52077031	52077031	+	6.056E-31	3.96412E-29	0.281758	hyper	sig	chr4_52077031
chr2	31137891	31137891	+	6.068E-31	3.97174E-29	0.230918	hyper	sig	chr2_31137891
chr1	2E+08	200042211	+	6.101E-31	3.99268E-29	0.294118	hyper	sig	chr1_200042211
chr9	3181021	3181021	+	6.156E-31	4.02841E-29	0.232448	hyper	sig	chr9_3181021
chr11	20669394	20669394	+	6.162E-31	4.03188E-29	0.377472	hyper	sig	chr11_20669394
chr11	67452205	67452205	+	6.169E-31	4.03593E-29	-0.30708	hypo	sig	chr11_67452205
chr8	68330784	68330784	+	6.185E-31	4.04633E-29	0.320783	hyper	sig	chr8_68330784
chr3	62377290	62377290	+	6.196E-31	4.05317E-29	0.276703	hyper	sig	chr3_62377290
chr1	2.28E+08	228322127	+	6.203E-31	4.05722E-29	-0.29502	hypo	sig	chr1_228322127
chr19	846254	846254	+	6.205E-31	4.05788E-29	-0.26442	hypo	sig	chr19_846254
chr6	1.53E+08	152637336	+	6.225E-31	4.0712E-29	0.227882	hyper	sig	chr6_152637336
chr11	32429076	32429076	+	6.245E-31	4.08358E-29	0.237975	hyper	sig	chr11_32429076
chr2	2.07E+08	206642321	+	6.245E-31	4.08358E-29	0.336793	hyper	sig	chr2_206642321

chr6	32052852	32052852	+	6.251E-31	4.08711E-29	-0.30149	hypo	sig	chr6_32052852
chr13	94705507	94705507	+	6.263E-31	4.094E-29	0.236747	hyper	sig	chr13_94705507
chr10	55628572	55628572	+	6.291E-31	4.11114E-29	0.355779	hyper	sig	chr10_55628572
chr16	81692294	81692294	+	6.29E-31	4.11114E-29	-0.26484	hypo	sig	chr16_81692294
chr7	23247801	23247801	+	6.333E-31	4.13822E-29	0.223192	hyper	sig	chr7_23247801
chr11	31802714	31802714	+	6.339E-31	4.14179E-29	0.30538	hyper	sig	chr11_31802714
chr18	57352873	57352873	+	6.345E-31	4.1453E-29	0.310049	hyper	sig	chr18_57352873
chr6	10390597	10390597	+	6.361E-31	4.15538E-29	0.281785	hyper	sig	chr6_10390597
chr12	1.07E+08	106585529	+	6.37E-31	4.16124E-29	0.365282	hyper	sig	chr12_106585529
chr20	46513697	46513697	+	6.38E-31	4.16757E-29	0.265201	hyper	sig	chr20_46513697
chr13	1.1E+08	109773516	+	6.4E-31	4.1797E-29	-0.29054	hypo	sig	chr13_109773516
chr8	1.44E+08	144046926	+	6.401E-31	4.18041E-29	-0.27703	hypo	sig	chr8_144046926
chr7	8442502	8442502	+	6.426E-31	4.19585E-29	0.28894	hyper	sig	chr7_8442502
chr10	1.33E+08	133070857	+	6.427E-31	4.19619E-29	-0.23442	hypo	sig	chr10_133070857
chr22	49169573	49169573	+	6.455E-31	4.21421E-29	-0.31611	hypo	sig	chr22_49169573
chr3	26623839	26623839	+	6.46E-31	4.21687E-29	0.348455	hyper	sig	chr3_26623839
chr1	1.48E+08	148310051	+	6.473E-31	4.22477E-29	0.310159	hyper	sig	chr1_148310051
chr7	1.55E+08	155465664	+	6.479E-31	4.2285E-29	0.268873	hyper	sig	chr7_155465664
chr8	66962163	66962163	+	6.482E-31	4.23022E-29	0.215676	hyper	sig	chr8_66962163
chr14	76752952	76752952	+	6.483E-31	4.23033E-29	-0.28675	hypo	sig	chr14_76752952
chr18	57354431	57354431	+	6.487E-31	4.23288E-29	0.300411	hyper	sig	chr18_57354431
chr16	86511114	86511114	+	6.489E-31	4.23378E-29	0.206999	hyper	sig	chr16_86511114
chr20	25083491	25083491	+	6.508E-31	4.24562E-29	0.288622	hyper	sig	chr20_25083491
chr2	1.75E+08	174730203	+	6.508E-31	4.24567E-29	0.265442	hyper	sig	chr2_174730203
chr4	1.09E+08	109302259	+	6.52E-31	4.25231E-29	0.301974	hyper	sig	chr4_109302259
chr7	8444036	8444036	+	6.531E-31	4.25907E-29	0.322028	hyper	sig	chr7_8444036
chr4	1.72E+08	171813625	+	6.538E-31	4.26368E-29	0.26721	hyper	sig	chr4_171813625
chr3	1.25E+08	125357575	+	6.552E-31	4.27265E-29	0.322717	hyper	sig	chr3_125357575
chr7	1.32E+08	131538634	+	6.553E-31	4.27302E-29	-0.42045	hypo	sig	chr7_131538634
chr11	504968	504968	+	6.562E-31	4.27796E-29	0.282472	hyper	sig	chr11_504968
chr14	1.04E+08	104159267	+	6.571E-31	4.28375E-29	-0.30506	hypo	sig	chr14_104159267
chr5	2753611	2753611	+	6.584E-31	4.29199E-29	0.32599	hyper	sig	chr5_2753611
chr15	59993507	59993507	+	6.586E-31	4.2927E-29	0.265721	hyper	sig	chr15_59993507
chr17	45261772	45261772	+	6.59E-31	4.29494E-29	0.30703	hyper	sig	chr17_45261772
chr12	1.33E+08	132672430	+	6.61E-31	4.30797E-29	0.224087	hyper	sig	chr12_132672430
chr5	1.35E+08	135029290	+	6.619E-31	4.31347E-29	0.314364	hyper	sig	chr5_135029290
chr6	1.68E+08	167740005	+	6.63E-31	4.32043E-29	-0.27788	hypo	sig	chr6_167740005
chr8	98949317	98949317	+	6.635E-31	4.32296E-29	0.27643	hyper	sig	chr8_98949317
chr3	1.47E+08	147391811	+	6.641E-31	4.3268E-29	0.302349	hyper	sig	chr3_147391811
chr5	19988276	19988276	+	6.65E-31	4.33187E-29	0.291731	hyper	sig	chr5_19988276
chr2	1.13E+08	113275808	+	6.675E-31	4.34837E-29	0.26443	hyper	sig	chr2_113275808
chr19	4566563	4566563	+	6.707E-31	4.36824E-29	-0.3176	hypo	sig	chr19_4566563
chr19	687015	687015	+	6.709E-31	4.36981E-29	-0.29609	hypo	sig	chr19_687015
chr3	1.28E+08	128492293	+	6.737E-31	4.38727E-29	0.279038	hyper	sig	chr3_128492293
chr7	24283619	24283619	+	6.75E-31	4.39541E-29	0.322477	hyper	sig	chr7_24283619
chr11	20159874	20159874	+	6.84E-31	4.45346E-29	0.306471	hyper	sig	chr11_20159874
chr10	49397663	49397663	+	6.845E-31	4.45682E-29	0.285475	hyper	sig	chr10_49397663
chr21	43829993	43829993	+	6.871E-31	4.47327E-29	-0.29128	hypo	sig	chr21_43829993
chr3	1.2E+08	119810362	+	6.872E-31	4.4734E-29	0.248695	hyper	sig	chr3_119810362
chr13	57634283	57634283	+	6.912E-31	4.4989E-29	0.315882	hyper	sig	chr13_57634283
chr5	481587	481587	+	6.951E-31	4.52444E-29	-0.25389	hypo	sig	chr5_481587
chr3	1.86E+08	186360851	+	6.955E-31	4.52619E-29	0.271079	hyper	sig	chr3_186360851
chr8	544181	544181	+	6.955E-31	4.52619E-29	0.237983	hyper	sig	chr8_544181
chr1	75135433	75135433	+	6.958E-31	4.52743E-29	0.22623	hyper	sig	chr1_75135433
chr13	1.1E+08	110306653	+	6.97E-31	4.53538E-29	0.33509	hyper	sig	chr13_110306653
chr13	50132773	50132773	+	6.972E-31	4.53609E-29	0.256364	hyper	sig	chr13_50132773

chr7	1.08E+08	107843374	+	6.999E-31	4.55354E-29	-0.35056	hypo	sig	chr7_107843374
chr16	86578991	86578991	+	7.007E-31	4.55804E-29	0.300296	hyper	sig	chr16_86578991
chr1	21608236	21608236	+	7.013E-31	4.56175E-29	-0.35423	hypo	sig	chr1_21608236
chr4	1.33E+08	133148315	+	7.028E-31	4.57088E-29	0.292381	hyper	sig	chr4_133148315
chr1	6466118	6466118	+	7.039E-31	4.57774E-29	0.282327	hyper	sig	chr1_6466118
chr16	71426292	71426292	+	7.053E-31	4.58609E-29	0.275912	hyper	sig	chr16_71426292
chr12	81078339	81078339	+	7.066E-31	4.59442E-29	0.256677	hyper	sig	chr12_81078339
chr6	1.37E+08	137495370	+	7.082E-31	4.60425E-29	0.207099	hyper	sig	chr6_137495370
chr11	20163095	20163095	+	7.091E-31	4.60955E-29	0.22844	hyper	sig	chr11_20163095
chr8	1.4E+08	140238566	+	7.114E-31	4.62458E-29	-0.27248	hypo	sig	chr8_140238566
chr19	58155443	58155443	+	7.121E-31	4.62874E-29	0.286655	hyper	sig	chr19_58155443
chr5	1.59E+08	159095444	+	7.124E-31	4.62989E-29	0.240151	hyper	sig	chr5_159095444
chr3	27730275	27730275	+	7.131E-31	4.63416E-29	0.222197	hyper	sig	chr3_27730275
chr6	1.68E+08	167815803	+	7.133E-31	4.63553E-29	-0.30655	hypo	sig	chr6_167815803
chr5	1.41E+08	140856168	+	7.144E-31	4.64202E-29	0.244663	hyper	sig	chr5_140856168
chr1	1.21E+08	121118003	+	7.151E-31	4.64596E-29	0.258735	hyper	sig	chr1_121118003
chr19	861867	861867	+	7.158E-31	4.65024E-29	-0.28938	hypo	sig	chr19_861867
chr7	27103797	27103797	+	7.158E-31	4.65024E-29	0.233431	hyper	sig	chr7_27103797
chr2	1665384	1665384	+	7.163E-31	4.65286E-29	-0.29985	hypo	sig	chr2_1665384
chr11	90134685	90134685	+	7.174E-31	4.6598E-29	0.221054	hyper	sig	chr11_90134685
chr3	1.72E+08	172448402	+	7.178E-31	4.66199E-29	0.274297	hyper	sig	chr3_172448402
chr16	66579064	66579064	+	7.21E-31	4.68226E-29	0.270713	hyper	sig	chr16_66579064
chr11	1.29E+08	128694297	+	7.211E-31	4.68238E-29	0.382568	hyper	sig	chr11_128694297
chr6	18123001	18123001	+	7.221E-31	4.68835E-29	-0.2557	hypo	sig	chr6_18123001
chr7	1.01E+08	100865924	+	7.238E-31	4.69901E-29	-0.36297	hypo	sig	chr7_100865924
chr11	67452388	67452388	+	7.243E-31	4.70217E-29	-0.31441	hypo	sig	chr11_67452388
chr9	1.1E+08	109640225	+	7.259E-31	4.71222E-29	0.231333	hyper	sig	chr9_109640225
chr22	46085049	46085049	+	7.261E-31	4.71311E-29	-0.29407	hypo	sig	chr22_46085049
chr7	44238710	44238710	+	7.262E-31	4.71328E-29	-0.28069	hypo	sig	chr7_44238710
chr8	71558802	71558802	+	7.285E-31	4.72794E-29	0.280925	hyper	sig	chr8_71558802
chr10	1.33E+08	133230062	+	7.289E-31	4.72988E-29	0.284007	hyper	sig	chr10_133230062
chr4	84501265	84501265	+	7.297E-31	4.73477E-29	0.276334	hyper	sig	chr4_84501265
chr5	32712996	32712996	+	7.318E-31	4.74854E-29	0.306734	hyper	sig	chr5_32712996
chr16	86214616	86214616	+	7.33E-31	4.75566E-29	-0.28373	hypo	sig	chr16_86214616
chr4	2437764	2437764	+	7.333E-31	4.75732E-29	-0.2433	hypo	sig	chr4_2437764
chr6	29792229	29792229	+	7.367E-31	4.77853E-29	0.299861	hyper	sig	chr6_29792229
chr9	1.19E+08	119369869	+	7.376E-31	4.78373E-29	0.313205	hyper	sig	chr9_119369869
chr16	2183984	2183984	+	7.413E-31	4.80773E-29	-0.24327	hypo	sig	chr16_2183984
chr2	1.15E+08	115162442	+	7.449E-31	4.8305E-29	0.28635	hyper	sig	chr2_115162442
chr7	1.58E+08	157795868	+	7.462E-31	4.83847E-29	-0.26279	hypo	sig	chr7_157795868
chr14	85534733	85534733	+	7.491E-31	4.85682E-29	0.308135	hyper	sig	chr14_85534733
chr11	1.16E+08	115711176	+	7.501E-31	4.86314E-29	-0.2079	hypo	sig	chr11_115711176
chr13	52847509	52847509	+	7.515E-31	4.87176E-29	0.350894	hyper	sig	chr13_52847509
chr7	23247906	23247906	+	7.52E-31	4.87493E-29	0.297927	hyper	sig	chr7_23247906
chr2	1.28E+08	127681659	+	7.538E-31	4.88607E-29	-0.30337	hypo	sig	chr2_127681659
chr1	24321713	24321713	+	7.573E-31	4.90799E-29	-0.29986	hypo	sig	chr1_24321713
chr13	1.12E+08	112067404	+	7.589E-31	4.9177E-29	0.209738	hyper	sig	chr13_112067404
chr16	67165503	67165503	+	7.627E-31	4.9421E-29	0.353237	hyper	sig	chr16_67165503
chr8	42499336	42499336	+	7.639E-31	4.94949E-29	0.296933	hyper	sig	chr8_42499336
chr12	53982490	53982490	+	7.64E-31	4.94965E-29	0.286485	hyper	sig	chr12_53982490
chr1	3650668	3650668	+	7.65E-31	4.95573E-29	0.249122	hyper	sig	chr1_3650668
chr19	56393693	56393693	+	7.653E-31	4.95738E-29	0.293225	hyper	sig	chr19_56393693
chr22	45890057	45890057	+	7.673E-31	4.97011E-29	0.310646	hyper	sig	chr22_45890057
chr10	1.01E+08	101223658	+	7.715E-31	4.99692E-29	0.251195	hyper	sig	chr10_101223658
chr2	1.75E+08	174730026	+	7.733E-31	5.00776E-29	0.302342	hyper	sig	chr2_174730026
chr13	67229974	67229974	+	7.752E-31	5.01992E-29	0.215742	hyper	sig	chr13_67229974

chr3	1.29E+08	128507656	+	7.754E-31	5.02043E-29	-0.25984	hypo	sig	chr3_128507656
chr5	3592519	3592519	+	7.76E-31	5.02401E-29	0.257193	hyper	sig	chr5_3592519
chr19	49043606	49043606	+	7.763E-31	5.02538E-29	-0.29398	hypo	sig	chr19_49043606
chr4	1.55E+08	154742183	+	7.776E-31	5.0334E-29	0.226926	hyper	sig	chr4_154742183
chr3	1.88E+08	187670302	+	7.788E-31	5.04058E-29	0.265154	hyper	sig	chr3_187670302
chr1	98048726	98048726	+	7.79E-31	5.04131E-29	0.274634	hyper	sig	chr1_98048726
chr2	44955016	44955016	+	7.798E-31	5.04662E-29	0.206597	hyper	sig	chr2_44955016
chr15	74133894	74133894	+	7.804E-31	5.0501E-29	0.319231	hyper	sig	chr15_74133894
chr16	86516354	86516354	+	7.888E-31	5.1035E-29	0.219274	hyper	sig	chr16_86516354
chr20	21713991	21713991	+	7.908E-31	5.11548E-29	0.261721	hyper	sig	chr20_21713991
chr13	36430584	36430584	+	7.915E-31	5.11949E-29	0.293684	hyper	sig	chr13_36430584
chr16	54289026	54289026	+	7.916E-31	5.11979E-29	0.264537	hyper	sig	chr16_54289026
chr5	1.59E+08	159104873	+	7.927E-31	5.12673E-29	0.364779	hyper	sig	chr5_159104873
chr10	1.24E+08	123668292	+	7.93E-31	5.1282E-29	-0.29979	hypo	sig	chr10_123668292
chr21	45512413	45512413	+	7.942E-31	5.13538E-29	0.248016	hyper	sig	chr21_45512413
chr2	1.19E+08	118834083	+	7.977E-31	5.15748E-29	0.335476	hyper	sig	chr2_118834083
chr6	1.37E+08	137495366	+	8.061E-31	5.21182E-29	0.212595	hyper	sig	chr6_137495366
chr7	54542233	54542233	+	8.108E-31	5.24144E-29	0.301338	hyper	sig	chr7_54542233
chr4	1.33E+08	133148227	+	8.114E-31	5.24484E-29	0.289806	hyper	sig	chr4_133148227
chr13	36155083	36155083	+	8.135E-31	5.25836E-29	0.317304	hyper	sig	chr13_36155083
chr14	89139877	89139877	+	8.142E-31	5.26227E-29	-0.32497	hypo	sig	chr14_89139877
chr3	13073666	13073666	+	8.147E-31	5.26534E-29	0.236261	hyper	sig	chr3_13073666
chr3	1.82E+08	181696220	+	8.17E-31	5.27982E-29	0.213406	hyper	sig	chr3_181696220
chr3	1.25E+08	125142034	+	8.191E-31	5.2924E-29	0.280418	hyper	sig	chr3_125142034
chr3	10994807	10994807	+	8.203E-31	5.30007E-29	-0.29808	hypo	sig	chr3_10994807
chr16	88328592	88328592	+	8.233E-31	5.31917E-29	-0.2631	hypo	sig	chr16_88328592
chr18	47248681	47248681	+	8.259E-31	5.33513E-29	0.282385	hyper	sig	chr18_47248681
chr16	88449763	88449763	+	8.261E-31	5.33553E-29	0.335492	hyper	sig	chr16_88449763
chr11	393570	393570	+	8.292E-31	5.35535E-29	-0.2791	hypo	sig	chr11_393570
chr5	1878546	1878546	+	8.325E-31	5.3761E-29	0.268908	hyper	sig	chr5_1878546
chr1	1.19E+08	119007221	+	8.331E-31	5.37942E-29	0.348552	hyper	sig	chr1_119007221
chr11	47337721	47337721	+	8.344E-31	5.38746E-29	-0.28316	hypo	sig	chr11_47337721
chr2	2.4E+08	239504623	+	8.364E-31	5.40013E-29	-0.24213	hypo	sig	chr2_239504623
chr1	1.14E+08	114154117	+	8.371E-31	5.40451E-29	0.201968	hyper	sig	chr1_114154117
chr5	1.14E+08	114055946	+	8.383E-31	5.41152E-29	0.285634	hyper	sig	chr5_114055946
chr16	85286265	85286265	+	8.434E-31	5.44409E-29	-0.23235	hypo	sig	chr16_85286265
chr13	1.12E+08	112056493	+	8.444E-31	5.45017E-29	0.352292	hyper	sig	chr13_112056493
chr10	46108276	46108276	+	8.446E-31	5.45102E-29	-0.23443	hypo	sig	chr10_46108276
chr3	1.38E+08	137770921	+	8.451E-31	5.45364E-29	0.26635	hyper	sig	chr3_137770921
chr10	93569546	93569546	+	8.459E-31	5.45817E-29	-0.29605	hypo	sig	chr10_93569546
chr5	41510041	41510041	+	8.476E-31	5.46912E-29	0.326524	hyper	sig	chr5_41510041
chr11	1.33E+08	133064264	+	8.521E-31	5.49768E-29	0.239799	hyper	sig	chr11_133064264
chr6	1625225	1625225	+	8.547E-31	5.51319E-29	0.262575	hyper	sig	chr6_1625225
chr1	7782309	7782309	+	8.552E-31	5.51656E-29	-0.30048	hypo	sig	chr1_7782309
chr7	1.59E+08	159144056	+	8.556E-31	5.51866E-29	0.315786	hyper	sig	chr7_159144056
chr7	1.12E+08	111562952	+	8.561E-31	5.52095E-29	-0.32308	hypo	sig	chr7_111562952
chr13	1.12E+08	112069255	+	8.562E-31	5.52122E-29	0.237576	hyper	sig	chr13_112069255
chr7	27106660	27106660	+	8.594E-31	5.54162E-29	0.2438	hyper	sig	chr7_27106660
chr15	83107128	83107128	+	8.604E-31	5.54756E-29	0.215399	hyper	sig	chr15_83107128
chr1	1.19E+08	118990346	+	8.607E-31	5.54889E-29	0.354567	hyper	sig	chr1_118990346
chr15	74133743	74133743	+	8.646E-31	5.57354E-29	0.327447	hyper	sig	chr15_74133743
chr6	50849480	50849480	+	8.691E-31	5.60154E-29	0.309168	hyper	sig	chr6_50849480
chr12	1.3E+08	130161586	+	8.693E-31	5.6023E-29	0.284075	hyper	sig	chr12_130161586
chr2	68319897	68319897	+	8.713E-31	5.61505E-29	0.38346	hyper	sig	chr2_68319897
chr13	35478962	35478962	+	8.717E-31	5.61676E-29	0.249199	hyper	sig	chr13_35478962
chr2	2.41E+08	240673004	+	8.787E-31	5.66166E-29	0.222986	hyper	sig	chr2_240673004

chr10	99232465	99232465	+	8.794E-31	5.66582E-29	0.286698	hyper	sig	chr10_99232465
chr1	2.23E+08	223109863	+	8.825E-31	5.68543E-29	-0.41386	hypo	sig	chr1_223109863
chr19	1526537	1526537	+	8.84E-31	5.69448E-29	-0.30025	hypo	sig	chr19_1526537
chr18	11752499	11752499	+	8.845E-31	5.6969E-29	0.297699	hyper	sig	chr18_11752499
chr17	35374286	35374286	+	8.847E-31	5.69809E-29	0.259192	hyper	sig	chr17_35374286
chr20	25083447	25083447	+	8.86E-31	5.70601E-29	0.338414	hyper	sig	chr20_25083447
chr19	56507710	56507710	+	8.861E-31	5.70612E-29	0.310594	hyper	sig	chr19_56507710
chr1	1.19E+08	118983719	+	8.882E-31	5.71931E-29	0.275342	hyper	sig	chr1_118983719
chr6	7468740	7468740	+	8.902E-31	5.73145E-29	-0.35146	hypo	sig	chr6_7468740
chr11	856982	856982	+	8.908E-31	5.73457E-29	-0.25305	hypo	sig	chr11_856982
chr10	75408437	75408437	+	8.96E-31	5.76709E-29	0.308503	hyper	sig	chr10_75408437
chr4	1.85E+08	185019507	+	9.009E-31	5.79838E-29	0.276652	hyper	sig	chr4_185019507
chr13	1.02E+08	101917567	+	9.037E-31	5.81545E-29	0.228736	hyper	sig	chr13_101917567
chr17	79132464	79132464	+	9.054E-31	5.82642E-29	-0.22921	hypo	sig	chr17_79132464
chr13	1.01E+08	101416862	+	9.073E-31	5.83738E-29	0.238561	hyper	sig	chr13_101416862
chr19	21851642	21851642	+	9.084E-31	5.84354E-29	0.255492	hyper	sig	chr19_21851642
chr11	2140916	2140916	+	9.097E-31	5.85084E-29	0.315656	hyper	sig	chr11_2140916
chr12	1.15E+08	114687066	+	9.097E-31	5.85084E-29	0.23172	hyper	sig	chr12_114687066
chr19	15902573	15902573	+	9.105E-31	5.85601E-29	-0.28455	hypo	sig	chr19_15902573
chr12	4909287	4909287	+	9.116E-31	5.86208E-29	0.36565	hyper	sig	chr12_4909287
chr16	86513987	86513987	+	9.126E-31	5.8683E-29	0.388427	hyper	sig	chr16_86513987
chr4	1.33E+08	133148081	+	9.129E-31	5.86971E-29	0.266756	hyper	sig	chr4_133148081
chr21	26967392	26967392	+	9.131E-31	5.8703E-29	0.225989	hyper	sig	chr21_26967392
chr7	45156663	45156663	+	9.138E-31	5.87464E-29	-0.29732	hypo	sig	chr7_45156663
chr5	63962009	63962009	+	9.15E-31	5.88158E-29	0.243159	hyper	sig	chr5_63962009
chr13	36155081	36155081	+	9.162E-31	5.88927E-29	0.317058	hyper	sig	chr13_36155081
chr1	1.47E+08	147080142	+	9.169E-31	5.89322E-29	0.279599	hyper	sig	chr1_147080142
chr14	94773414	94773414	+	9.188E-31	5.90519E-29	0.325837	hyper	sig	chr14_94773414
chr17	44558115	44558115	+	9.192E-31	5.90676E-29	0.214923	hyper	sig	chr17_44558115
chr6	30172178	30172178	+	9.2E-31	5.91167E-29	0.284084	hyper	sig	chr6_30172178
chr6	84773675	84773675	+	9.214E-31	5.91992E-29	0.217779	hyper	sig	chr6_84773675
chr3	13073664	13073664	+	9.218E-31	5.92244E-29	0.24215	hyper	sig	chr3_13073664
chr3	37183775	37183775	+	9.247E-31	5.9406E-29	-0.36319	hypo	sig	chr3_37183775
chr16	86619606	86619606	+	9.253E-31	5.94374E-29	-0.32003	hypo	sig	chr16_86619606
chr4	13525064	13525064	+	9.264E-31	5.95029E-29	0.227946	hyper	sig	chr4_13525064
chr4	1.55E+08	154742987	+	9.268E-31	5.95234E-29	0.302938	hyper	sig	chr4_154742987
chr2	1.05E+08	104864146	+	9.291E-31	5.96668E-29	0.22093	hyper	sig	chr2_104864146
chr12	1.33E+08	132904971	+	9.332E-31	5.99254E-29	0.279123	hyper	sig	chr12_132904971
chr18	501179	501179	+	9.373E-31	6.01879E-29	0.223233	hyper	sig	chr18_501179
chr1	66752148	66752148	+	9.375E-31	6.0191E-29	0.252799	hyper	sig	chr1_66752148
chr11	32438108	32438108	+	9.389E-31	6.02784E-29	0.287279	hyper	sig	chr11_32438108
chr16	81493422	81493422	+	9.39E-31	6.02804E-29	-0.26169	hypo	sig	chr16_81493422
chr4	1.11E+08	110633312	+	9.43E-31	6.05318E-29	0.291556	hyper	sig	chr4_110633312
chr1	6276651	6276651	+	9.434E-31	6.05533E-29	0.25021	hyper	sig	chr1_6276651
chr5	1.71E+08	171313949	+	9.444E-31	6.06114E-29	0.288869	hyper	sig	chr5_171313949
chr17	82358973	82358973	+	9.459E-31	6.07018E-29	-0.27944	hypo	sig	chr17_82358973
chr8	71844410	71844410	+	9.463E-31	6.07255E-29	0.306154	hyper	sig	chr8_71844410
chr15	22949517	22949517	+	9.503E-31	6.09733E-29	-0.33712	hypo	sig	chr15_22949517
chr2	1.49E+08	148888229	+	9.508E-31	6.09964E-29	0.208865	hyper	sig	chr2_148888229
chr4	8273297	8273297	+	9.582E-31	6.14721E-29	-0.30104	hypo	sig	chr4_8273297
chr17	42686931	42686931	+	9.599E-31	6.15738E-29	0.240652	hyper	sig	chr17_42686931
chr12	1.15E+08	114696741	+	9.645E-31	6.1864E-29	0.246469	hyper	sig	chr12_114696741
chr4	1.11E+08	110628814	+	9.646E-31	6.1864E-29	0.319675	hyper	sig	chr4_110628814
chr17	79986005	79986005	+	9.648E-31	6.18742E-29	-0.23081	hypo	sig	chr17_79986005
chr2	44801700	44801700	+	9.658E-31	6.19295E-29	0.273065	hyper	sig	chr2_44801700
chr3	1.7E+08	169822604	+	9.672E-31	6.20149E-29	-0.42977	hypo	sig	chr3_169822604

chr4	1349070	1349070	+	9.673E-31	6.2021E-29	-0.26454	hypo	sig	chr4_1349070
chr11	1152588	1152588	+	9.678E-31	6.20486E-29	-0.38443	hypo	sig	chr11_1152588
chr13	35475198	35475198	+	9.696E-31	6.21568E-29	0.241451	hyper	sig	chr13_35475198
chr13	52845467	52845467	+	9.705E-31	6.22091E-29	0.286976	hyper	sig	chr13_52845467
chr11	45355397	45355397	+	9.71E-31	6.22327E-29	0.257859	hyper	sig	chr11_45355397
chr19	21851928	21851928	+	9.71E-31	6.22327E-29	0.210114	hyper	sig	chr19_21851928
chr12	72271983	72271983	+	9.712E-31	6.22393E-29	0.2223	hyper	sig	chr12_72271983
chr5	3606953	3606953	+	9.716E-31	6.2263E-29	0.274678	hyper	sig	chr5_3606953
chr19	53255059	53255059	+	9.719E-31	6.22711E-29	0.314834	hyper	sig	chr19_53255059
chr10	49679524	49679524	+	9.725E-31	6.23059E-29	0.251455	hyper	sig	chr10_49679524
chr11	30017484	30017484	+	9.732E-31	6.23496E-29	0.352048	hyper	sig	chr11_30017484
chr7	561817	561817	+	9.779E-31	6.26411E-29	0.294462	hyper	sig	chr7_561817
chr12	1.32E+08	132356722	+	9.789E-31	6.27023E-29	-0.25242	hypo	sig	chr12_132356722
chr2	44932757	44932757	+	9.817E-31	6.28756E-29	0.307278	hyper	sig	chr2_44932757
chr5	3590531	3590531	+	9.825E-31	6.29233E-29	0.275414	hyper	sig	chr5_3590531
chr2	2.22E+08	222304722	+	9.829E-31	6.29422E-29	0.315093	hyper	sig	chr2_222304722
chr6	84764688	84764688	+	9.834E-31	6.29714E-29	0.213812	hyper	sig	chr6_84764688
chr1	75135464	75135464	+	9.854E-31	6.30962E-29	0.24678	hyper	sig	chr1_75135464
chr16	1093693	1093693	+	9.875E-31	6.32225E-29	-0.26421	hypo	sig	chr16_1093693
chr11	66421269	66421269	+	9.884E-31	6.32791E-29	0.306808	hyper	sig	chr11_66421269
chr1	6466013	6466013	+	9.954E-31	6.3713E-29	0.262437	hyper	sig	chr1_6466013
chr17	82315469	82315469	+	9.955E-31	6.37154E-29	-0.29838	hypo	sig	chr17_82315469
chr5	1.35E+08	135028950	+	1.002E-30	6.41263E-29	0.344068	hyper	sig	chr5_135028950
chr11	8168567	8168567	+	1.003E-30	6.41759E-29	0.332531	hyper	sig	chr11_8168567
chr4	1.77E+08	176792182	+	1.003E-30	6.41759E-29	0.264827	hyper	sig	chr4_176792182
chr20	63769271	63769271	+	1.004E-30	6.42127E-29	-0.30914	hypo	sig	chr20_63769271
chr1	1.14E+08	114154089	+	1.004E-30	6.42173E-29	0.258774	hyper	sig	chr1_114154089
chr8	1931517	1931517	+	1.006E-30	6.43445E-29	-0.23137	hypo	sig	chr8_1931517
chr1	90724553	90724553	+	1.006E-30	6.43686E-29	0.273582	hyper	sig	chr1_90724553
chr17	58157590	58157590	+	1.008E-30	6.44442E-29	0.357541	hyper	sig	chr17_58157590
chr16	86565568	86565568	+	1.008E-30	6.44828E-29	0.289335	hyper	sig	chr16_86565568
chr3	1.47E+08	147397283	+	1.01E-30	6.45914E-29	0.264006	hyper	sig	chr3_147397283
chr6	1.7E+08	170423165	+	1.011E-30	6.46691E-29	0.231439	hyper	sig	chr6_170423165
chr1	1.58E+08	158181536	+	1.013E-30	6.47462E-29	0.287461	hyper	sig	chr1_158181536
chr13	24746409	24746409	+	1.013E-30	6.47655E-29	0.320807	hyper	sig	chr13_24746409
chr4	4858143	4858143	+	1.016E-30	6.49238E-29	0.324306	hyper	sig	chr4_4858143
chr5	1.33E+08	132819599	+	1.018E-30	6.50952E-29	-0.25596	hypo	sig	chr5_132819599
chr5	1886766	1886766	+	1.02E-30	6.51726E-29	0.316257	hyper	sig	chr5_1886766
chr13	35475262	35475262	+	1.02E-30	6.52068E-29	0.257277	hyper	sig	chr13_35475262
chr8	66963101	66963101	+	1.024E-30	6.54464E-29	0.269254	hyper	sig	chr8_66963101
chr1	2.48E+08	247937043	+	1.026E-30	6.55346E-29	0.240988	hyper	sig	chr1_247937043
chr8	54466716	54466716	+	1.03E-30	6.58065E-29	0.238294	hyper	sig	chr8_54466716
chr1	1.19E+08	119005874	+	1.03E-30	6.58333E-29	0.379598	hyper	sig	chr1_119005874
chr12	84912728	84912728	+	1.031E-30	6.5883E-29	0.305365	hyper	sig	chr12_84912728
chr11	8038676	8038676	+	1.035E-30	6.61367E-29	-0.24991	hypo	sig	chr11_8038676
chr18	59273213	59273213	+	1.036E-30	6.619E-29	0.30989	hyper	sig	chr18_59273213
chr14	1.04E+08	104223881	+	1.037E-30	6.62059E-29	0.21575	hyper	sig	chr14_104223881
chr15	74955796	74955796	+	1.037E-30	6.62454E-29	-0.37005	hypo	sig	chr15_74955796
chr4	13527585	13527585	+	1.039E-30	6.63384E-29	0.254928	hyper	sig	chr4_13527585
chr14	1.01E+08	101060866	+	1.041E-30	6.64699E-29	-0.28926	hypo	sig	chr14_101060866
chr5	73627194	73627194	+	1.044E-30	6.66389E-29	-0.25457	hypo	sig	chr5_73627194
chr6	1.27E+08	127119896	+	1.046E-30	6.67853E-29	0.218794	hyper	sig	chr6_127119896
chr9	19788280	19788280	+	1.047E-30	6.68299E-29	0.281686	hyper	sig	chr9_19788280
chr12	85273799	85273799	+	1.048E-30	6.6892E-29	0.304784	hyper	sig	chr12_85273799
chr16	56190671	56190671	+	1.048E-30	6.6892E-29	0.293752	hyper	sig	chr16_56190671
chr7	54542499	54542499	+	1.049E-30	6.69656E-29	0.246782	hyper	sig	chr7_54542499

chr4	1.77E+08	176792154	+	1.052E-30	6.711E-29	0.265983	hyper	sig	chr4_176792154
chr5	45695179	45695179	+	1.053E-30	6.71859E-29	0.339697	hyper	sig	chr5_45695179
chr12	52007739	52007739	+	1.053E-30	6.71998E-29	0.248324	hyper	sig	chr12_52007739
chr11	20669218	20669218	+	1.054E-30	6.72689E-29	0.310585	hyper	sig	chr11_20669218
chr16	89085061	89085061	+	1.054E-30	6.72689E-29	-0.22084	hypo	sig	chr16_89085061
chr5	2753762	2753762	+	1.054E-30	6.72689E-29	0.271514	hyper	sig	chr5_2753762
chr14	41606491	41606491	+	1.057E-30	6.74373E-29	0.276297	hyper	sig	chr14_41606491
chr18	46757937	46757937	+	1.061E-30	6.76985E-29	0.267098	hyper	sig	chr18_46757937
chr2	74516362	74516362	+	1.073E-30	6.84407E-29	0.252259	hyper	sig	chr2_74516362
chr5	1144534	1144534	+	1.075E-30	6.85503E-29	-0.25842	hypo	sig	chr5_1144534
chr20	25083205	25083205	+	1.076E-30	6.86007E-29	0.326928	hyper	sig	chr20_25083205
chr12	1.15E+08	114687229	+	1.078E-30	6.87178E-29	0.243541	hyper	sig	chr12_114687229
chr12	75209700	75209700	+	1.079E-30	6.87536E-29	0.278968	hyper	sig	chr12_75209700
chr3	1.33E+08	133410702	+	1.08E-30	6.88406E-29	-0.25995	hypo	sig	chr3_133410702
chr8	1.43E+08	143494434	+	1.083E-30	6.89993E-29	0.292349	hyper	sig	chr8_143494434
chr13	50132738	50132738	+	1.086E-30	6.91903E-29	0.264819	hyper	sig	chr13_50132738
chr20	9509107	9509107	+	1.086E-30	6.92053E-29	0.272779	hyper	sig	chr20_9509107
chr8	11704233	11704233	+	1.089E-30	6.93646E-29	0.3094	hyper	sig	chr8_11704233
chr6	7468554	7468554	+	1.099E-30	7.00297E-29	-0.3559	hypo	sig	chr6_7468554
chr16	24255626	24255626	+	1.1E-30	7.00679E-29	0.401271	hyper	sig	chr16_24255626
chr19	43624189	43624189	+	1.103E-30	7.02855E-29	-0.23459	hypo	sig	chr19_43624189
chr7	1.37E+08	136871065	+	1.104E-30	7.03484E-29	0.302787	hyper	sig	chr7_136871065
chr2	2.22E+08	222304751	+	1.108E-30	7.05717E-29	0.285859	hyper	sig	chr2_222304751
chr14	60507797	60507797	+	1.111E-30	7.07597E-29	0.233392	hyper	sig	chr14_60507797
chr6	62286477	62286477	+	1.112E-30	7.07853E-29	0.359815	hyper	sig	chr6_62286477
chr16	51156176	51156176	+	1.118E-30	7.11667E-29	0.299384	hyper	sig	chr16_51156176
chr10	1.33E+08	133143302	+	1.119E-30	7.1222E-29	-0.26605	hypo	sig	chr10_133143302
chr12	53927578	53927578	+	1.122E-30	7.14475E-29	0.306333	hyper	sig	chr12_53927578
chr16	86568805	86568805	+	1.123E-30	7.14633E-29	0.2514	hyper	sig	chr16_86568805
chr5	1.59E+08	159104637	+	1.127E-30	7.17121E-29	0.300461	hyper	sig	chr5_159104637
chr16	66579169	66579169	+	1.129E-30	7.18805E-29	0.225272	hyper	sig	chr16_66579169
chr6	7468548	7468548	+	1.131E-30	7.19925E-29	-0.35287	hypo	sig	chr6_7468548
chr1	2.4E+08	240093863	+	1.132E-30	7.20606E-29	0.392599	hyper	sig	chr1_240093863
chr8	8890998	8890998	+	1.132E-30	7.20606E-29	0.263287	hyper	sig	chr8_8890998
chr20	45316755	45316755	+	1.136E-30	7.22862E-29	0.309756	hyper	sig	chr20_45316755
chr10	1.01E+08	101136811	+	1.136E-30	7.23031E-29	0.227067	hyper	sig	chr10_101136811
chr16	3183066	3183066	+	1.139E-30	7.24702E-29	0.273192	hyper	sig	chr16_3183066
chr11	93537833	93537833	+	1.14E-30	7.24984E-29	-0.33772	hypo	sig	chr11_93537833
chr13	27927064	27927064	+	1.14E-30	7.24984E-29	0.294257	hyper	sig	chr13_27927064
chr19	814953	814953	+	1.142E-30	7.26241E-29	-0.33102	hypo	sig	chr19_814953
chr1	2.43E+08	242524163	+	1.142E-30	7.26264E-29	0.22214	hyper	sig	chr1_242524163
chr10	22345310	22345310	+	1.142E-30	7.26394E-29	0.269392	hyper	sig	chr10_22345310
chr5	33936257	33936257	+	1.147E-30	7.29555E-29	0.236526	hyper	sig	chr5_33936257
chr8	41309579	41309579	+	1.15E-30	7.31186E-29	0.256597	hyper	sig	chr8_41309579
chr19	49031104	49031104	+	1.154E-30	7.33677E-29	-0.31889	hypo	sig	chr19_49031104
chr17	78041169	78041169	+	1.156E-30	7.35045E-29	-0.27438	hypo	sig	chr17_78041169
chr5	1.41E+08	141421679	+	1.157E-30	7.35179E-29	0.259304	hyper	sig	chr5_141421679
chr16	89202297	89202297	+	1.159E-30	7.36732E-29	0.245817	hyper	sig	chr16_89202297
chr12	4909991	4909991	+	1.16E-30	7.37348E-29	0.318869	hyper	sig	chr12_4909991
chr11	20669838	20669838	+	1.164E-30	7.39508E-29	0.382825	hyper	sig	chr11_20669838
chr1	18631865	18631865	+	1.164E-30	7.39984E-29	0.244588	hyper	sig	chr1_18631865
chr10	8036164	8036164	+	1.17E-30	7.43565E-29	0.292739	hyper	sig	chr10_8036164
chr6	98843503	98843503	+	1.173E-30	7.45459E-29	0.223206	hyper	sig	chr6_98843503
chr8	1.43E+08	142777077	+	1.175E-30	7.46205E-29	0.277985	hyper	sig	chr8_142777077
chr7	97018125	97018125	+	1.179E-30	7.48928E-29	0.308614	hyper	sig	chr7_97018125
chr7	64877543	64877543	+	1.179E-30	7.48989E-29	0.325829	hyper	sig	chr7_64877543

chr2	44932587	44932587	+	1.18E-30	7.49527E-29	0.290951	hyper	sig	chr2_44932587
chr7	19118511	19118511	+	1.181E-30	7.50248E-29	0.254639	hyper	sig	chr7_19118511
chr12	4910704	4910704	+	1.182E-30	7.50568E-29	0.269937	hyper	sig	chr12_4910704
chr5	1.51E+08	150662074	+	1.182E-30	7.50599E-29	-0.28161	hypo	sig	chr5_150662074
chr11	1.29E+08	128693069	+	1.183E-30	7.51069E-29	0.224209	hyper	sig	chr11_128693069
chr15	83285013	83285013	+	1.186E-30	7.5306E-29	0.276963	hyper	sig	chr15_83285013
chr1	1.19E+08	118990212	+	1.187E-30	7.5368E-29	0.21624	hyper	sig	chr1_118990212
chr5	1.35E+08	135031725	+	1.192E-30	7.5666E-29	0.207032	hyper	sig	chr5_135031725
chr16	51149464	51149464	+	1.193E-30	7.57603E-29	0.3274	hyper	sig	chr16_51149464
chr12	1.15E+08	114687099	+	1.194E-30	7.57708E-29	0.240669	hyper	sig	chr12_114687099
chr2	2.31E+08	231394754	+	1.199E-30	7.61044E-29	0.263181	hyper	sig	chr2_231394754
chr16	1543470	1543470	+	1.203E-30	7.63637E-29	-0.36633	hypo	sig	chr16_1543470
chr1	2.43E+08	242524126	+	1.205E-30	7.64554E-29	0.213695	hyper	sig	chr1_242524126
chr1	1.19E+08	119006197	+	1.207E-30	7.65609E-29	0.32662	hyper	sig	chr1_119006197
chr7	8443762	8443762	+	1.212E-30	7.69006E-29	0.293931	hyper	sig	chr7_8443762
chr19	3178761	3178761	+	1.214E-30	7.69853E-29	-0.26669	hypo	sig	chr19_3178761
chr15	63046949	63046949	+	1.215E-30	7.70595E-29	-0.28599	hypo	sig	chr15_63046949
chr6	6543184	6543184	+	1.221E-30	7.74408E-29	-0.31452	hypo	sig	chr6_6543184
chr10	1.05E+08	104640944	+	1.224E-30	7.76404E-29	0.349393	hyper	sig	chr10_104640944
chr2	2.41E+08	240728169	+	1.226E-30	7.77486E-29	-0.25593	hypo	sig	chr2_240728169
chr5	64506714	64506714	+	1.23E-30	7.79871E-29	0.252039	hyper	sig	chr5_64506714
chr2	1E+08	100321360	+	1.233E-30	7.81571E-29	0.320853	hyper	sig	chr2_100321360
chr19	36916051	36916051	+	1.234E-30	7.82525E-29	0.229662	hyper	sig	chr19_36916051
chr19	56507726	56507726	+	1.235E-30	7.82838E-29	0.317819	hyper	sig	chr19_56507726
chr5	37838493	37838493	+	1.241E-30	7.86379E-29	0.269971	hyper	sig	chr5_37838493
chr2	1.82E+08	181684445	+	1.242E-30	7.87126E-29	0.32364	hyper	sig	chr2_181684445
chr16	1230538	1230538	+	1.243E-30	7.87898E-29	-0.25969	hypo	sig	chr16_1230538
chr1	3651339	3651339	+	1.244E-30	7.87984E-29	0.239329	hyper	sig	chr1_3651339
chr8	98949785	98949785	+	1.245E-30	7.88746E-29	0.323746	hyper	sig	chr8_98949785
chr10	55628560	55628560	+	1.246E-30	7.89086E-29	0.292928	hyper	sig	chr10_55628560
chr17	48734188	48734188	+	1.248E-30	7.90245E-29	0.230838	hyper	sig	chr17_48734188
chr17	81858612	81858612	+	1.248E-30	7.90245E-29	-0.22731	hypo	sig	chr17_81858612
chr8	1.42E+08	142126139	+	1.254E-30	7.94386E-29	-0.29785	hypo	sig	chr8_142126139
chr1	1.11E+08	110675485	+	1.258E-30	7.96991E-29	0.283866	hyper	sig	chr1_110675485
chr2	1.31E+08	130964792	+	1.26E-30	7.98107E-29	0.323835	hyper	sig	chr2_130964792
chr2	10042942	10042942	+	1.262E-30	7.99058E-29	0.237499	hyper	sig	chr2_10042942
chr22	46390981	46390981	+	1.264E-30	8.00089E-29	-0.32712	hypo	sig	chr22_46390981
chr18	11752216	11752216	+	1.267E-30	8.02237E-29	0.347769	hyper	sig	chr18_11752216
chr19	12156634	12156634	+	1.274E-30	8.06709E-29	0.242661	hyper	sig	chr19_12156634
chr4	1.09E+08	109302552	+	1.276E-30	8.07784E-29	0.255198	hyper	sig	chr4_109302552
chr5	3591045	3591045	+	1.278E-30	8.08619E-29	0.274614	hyper	sig	chr5_3591045
chr7	97007505	97007505	+	1.28E-30	8.10033E-29	0.261235	hyper	sig	chr7_97007505
chr6	31971070	31971070	+	1.283E-30	8.11967E-29	-0.27029	hypo	sig	chr6_31971070
chr6	1.26E+08	125534270	+	1.283E-30	8.11967E-29	0.253946	hyper	sig	chr6_125534270
chr2	31137932	31137932	+	1.284E-30	8.12585E-29	0.202338	hyper	sig	chr2_31137932
chr7	50093525	50093525	+	1.285E-30	8.12679E-29	-0.25418	hypo	sig	chr7_50093525
chr1	10672484	10672484	+	1.286E-30	8.13673E-29	0.313959	hyper	sig	chr1_10672484
chr12	62191322	62191322	+	1.289E-30	8.15126E-29	0.29178	hyper	sig	chr12_62191322
chr7	23247930	23247930	+	1.29E-30	8.15814E-29	0.232377	hyper	sig	chr7_23247930
chr7	561815	561815	+	1.291E-30	8.16288E-29	0.293061	hyper	sig	chr7_561815
chr6	36285309	36285309	+	1.297E-30	8.20331E-29	0.270053	hyper	sig	chr6_36285309
chr2	1.39E+08	138780131	+	1.299E-30	8.2128E-29	0.265549	hyper	sig	chr2_138780131
chr12	4909653	4909653	+	1.301E-30	8.22389E-29	0.283376	hyper	sig	chr12_4909653
chr10	25934090	25934090	+	1.302E-30	8.22912E-29	0.35716	hyper	sig	chr10_25934090
chr12	1.31E+08	131085947	+	1.302E-30	8.23159E-29	-0.27969	hypo	sig	chr12_131085947
chr16	86516091	86516091	+	1.303E-30	8.23574E-29	0.247552	hyper	sig	chr16_86516091

chr11	31825297	31825297	+	1.305E-30	8.24824E-29	0.272604	hyper	sig	chr11_31825297
chr3	1.43E+08	143121346	+	1.305E-30	8.24924E-29	0.282162	hyper	sig	chr3_143121346
chr15	52795284	52795284	+	1.313E-30	8.29681E-29	0.269385	hyper	sig	chr15_52795284
chr10	8036103	8036103	+	1.314E-30	8.30049E-29	0.277668	hyper	sig	chr10_8036103
chr2	1.82E+08	181684847	+	1.321E-30	8.34463E-29	0.281816	hyper	sig	chr2_181684847
chr15	89377639	89377639	+	1.321E-30	8.34832E-29	0.223107	hyper	sig	chr15_89377639
chr5	1.41E+08	141423255	+	1.323E-30	8.36115E-29	0.266473	hyper	sig	chr5_141423255
chr2	2.42E+08	241544052	+	1.331E-30	8.4057E-29	-0.28236	hypo	sig	chr2_241544052
chr1	1.07E+08	107140180	+	1.331E-30	8.40873E-29	0.215114	hyper	sig	chr1_107140180
chr15	24773055	24773055	+	1.334E-30	8.42343E-29	0.301379	hyper	sig	chr15_24773055
chr18	46757890	46757890	+	1.341E-30	8.46881E-29	0.24344	hyper	sig	chr18_46757890
chr6	34155743	34155743	+	1.347E-30	8.50954E-29	-0.28723	hypo	sig	chr6_34155743
chr15	70475361	70475361	+	1.349E-30	8.5195E-29	-0.29499	hypo	sig	chr15_70475361
chr4	41746834	41746834	+	1.352E-30	8.53559E-29	0.254506	hyper	sig	chr4_41746834
chr8	66961971	66961971	+	1.353E-30	8.5417E-29	0.23894	hyper	sig	chr8_66961971
chr2	74515230	74515230	+	1.357E-30	8.56901E-29	0.297768	hyper	sig	chr2_74515230
chr1	3195285	3195285	+	1.362E-30	8.59692E-29	-0.2641	hypo	sig	chr1_3195285
chr8	26049292	26049292	+	1.363E-30	8.60349E-29	0.221892	hyper	sig	chr8_26049292
chr11	20160748	20160748	+	1.365E-30	8.61429E-29	0.319097	hyper	sig	chr11_20160748
chr22	39374537	39374537	+	1.366E-30	8.61829E-29	-0.31519	hypo	sig	chr22_39374537
chr2	1E+08	100322572	+	1.369E-30	8.6369E-29	0.274224	hyper	sig	chr2_100322572
chr11	61334748	61334748	+	1.371E-30	8.65128E-29	-0.26135	hypo	sig	chr11_61334748
chr19	53255312	53255312	+	1.374E-30	8.67037E-29	0.340232	hyper	sig	chr19_53255312
chr4	80185163	80185163	+	1.376E-30	8.68207E-29	0.214811	hyper	sig	chr4_80185163
chr10	1.01E+08	100519946	+	1.38E-30	8.70241E-29	0.284974	hyper	sig	chr10_100519946
chr16	66579202	66579202	+	1.384E-30	8.72839E-29	0.20637	hyper	sig	chr16_66579202
chr8	1.42E+08	141974045	+	1.384E-30	8.72918E-29	-0.28183	hypo	sig	chr8_141974045
chr3	49686122	49686122	+	1.386E-30	8.73912E-29	0.268974	hyper	sig	chr3_49686122
chr13	1.01E+08	101416818	+	1.388E-30	8.75259E-29	0.285626	hyper	sig	chr13_101416818
chr6	1.08E+08	108171205	+	1.391E-30	8.76927E-29	0.355707	hyper	sig	chr6_108171205
chr6	1.68E+08	167679138	+	1.392E-30	8.77955E-29	0.25341	hyper	sig	chr6_167679138
chr7	97018549	97018549	+	1.394E-30	8.78526E-29	0.336135	hyper	sig	chr7_97018549
chr5	64166392	64166392	+	1.395E-30	8.79291E-29	0.234398	hyper	sig	chr5_64166392
chr22	26169985	26169985	+	1.402E-30	8.83444E-29	0.310927	hyper	sig	chr22_26169985
chr7	1.55E+08	154913726	+	1.402E-30	8.83679E-29	0.216787	hyper	sig	chr7_154913726
chr3	1.71E+08	170585267	+	1.404E-30	8.84849E-29	0.317401	hyper	sig	chr3_170585267
chr5	1.78E+08	178188730	+	1.409E-30	8.88029E-29	-0.30758	hypo	sig	chr5_178188730
chr8	23706535	23706535	+	1.411E-30	8.89118E-29	0.311887	hyper	sig	chr8_23706535
chr1	18632326	18632326	+	1.411E-30	8.89274E-29	0.303081	hyper	sig	chr1_18632326
chr2	38075411	38075411	+	1.413E-30	8.90037E-29	0.365796	hyper	sig	chr2_38075411
chr21	36697038	36697038	+	1.414E-30	8.90451E-29	0.209175	hyper	sig	chr21_36697038
chr2	2.4E+08	239678246	+	1.415E-30	8.91559E-29	-0.25688	hypo	sig	chr2_239678246
chr6	1.69E+08	168999588	+	1.42E-30	8.94516E-29	-0.33135	hypo	sig	chr6_168999588
chr13	70107891	70107891	+	1.421E-30	8.94969E-29	0.332433	hyper	sig	chr13_70107891
chr4	41746653	41746653	+	1.423E-30	8.96115E-29	0.317476	hyper	sig	chr4_41746653
chr7	44103354	44103354	+	1.427E-30	8.98623E-29	-0.24546	hypo	sig	chr7_44103354
chr8	71558692	71558692	+	1.427E-30	8.98776E-29	0.290755	hyper	sig	chr8_71558692
chr9	97985483	97985483	+	1.428E-30	8.99292E-29	-0.26407	hypo	sig	chr9_97985483
chr19	58009768	58009768	+	1.436E-30	9.04167E-29	0.216333	hyper	sig	chr19_58009768
chr5	1.41E+08	141423138	+	1.437E-30	9.04384E-29	0.272334	hyper	sig	chr5_141423138
chr3	1.47E+08	147394294	+	1.438E-30	9.05146E-29	0.316814	hyper	sig	chr3_147394294
chr19	35558449	35558449	+	1.439E-30	9.05654E-29	0.291403	hyper	sig	chr19_35558449
chr12	1.11E+08	111287692	+	1.442E-30	9.07628E-29	-0.36408	hypo	sig	chr12_111287692
chr5	1.35E+08	135039053	+	1.442E-30	9.07628E-29	0.28893	hyper	sig	chr5_135039053
chr8	54454343	54454343	+	1.443E-30	9.0805E-29	0.257613	hyper	sig	chr8_54454343
chr12	81759685	81759685	+	1.445E-30	9.09196E-29	0.270322	hyper	sig	chr12_81759685

chr19	37251925	37251925	+	1.448E-30	9.11098E-29	0.290601	hyper	sig	chr19_37251925
chr5	77972559	77972559	+	1.453E-30	9.1405E-29	0.292117	hyper	sig	chr5_77972559
chr3	1.25E+08	125142029	+	1.455E-30	9.15459E-29	0.277898	hyper	sig	chr3_125142029
chr7	27103668	27103668	+	1.459E-30	9.17831E-29	0.255309	hyper	sig	chr7_27103668
chr10	1.33E+08	132921108	+	1.468E-30	9.23149E-29	-0.24108	hypo	sig	chr10_132921108
chr11	1.3E+08	129743728	+	1.472E-30	9.25437E-29	-0.3154	hypo	sig	chr11_129743728
chr5	88684502	88684502	+	1.474E-30	9.26825E-29	0.244937	hyper	sig	chr5_88684502
chr3	49686111	49686111	+	1.475E-30	9.27185E-29	0.287103	hyper	sig	chr3_49686111
chr1	2.08E+08	207645401	+	1.477E-30	9.2868E-29	0.319056	hyper	sig	chr1_207645401
chr7	50402479	50402479	+	1.478E-30	9.28987E-29	-0.35014	hypo	sig	chr7_50402479
chr19	44448596	44448596	+	1.48E-30	9.30208E-29	0.216427	hyper	sig	chr19_44448596
chr17	81322545	81322545	+	1.481E-30	9.30612E-29	-0.24241	hypo	sig	chr17_81322545
chr16	88375697	88375697	+	1.483E-30	9.32004E-29	-0.20501	hypo	sig	chr16_88375697
chr18	21243082	21243082	+	1.485E-30	9.33244E-29	0.224866	hyper	sig	chr18_21243082
chr4	1.09E+08	109302490	+	1.495E-30	9.39085E-29	0.227729	hyper	sig	chr4_109302490
chr11	92225607	92225607	+	1.498E-30	9.40942E-29	0.392242	hyper	sig	chr11_92225607
chr3	1.47E+08	147411491	+	1.502E-30	9.43532E-29	0.207067	hyper	sig	chr3_147411491
chr19	22422386	22422386	+	1.505E-30	9.45496E-29	0.255878	hyper	sig	chr19_22422386
chr6	1.37E+08	137495911	+	1.514E-30	9.50939E-29	0.33553	hyper	sig	chr6_137495911
chr7	27101323	27101323	+	1.514E-30	9.50939E-29	0.259563	hyper	sig	chr7_27101323
chr6	36548075	36548075	+	1.515E-30	9.51257E-29	-0.34855	hypo	sig	chr6_36548075
chr14	76138814	76138814	+	1.519E-30	9.5372E-29	0.343377	hyper	sig	chr14_76138814
chr19	3039751	3039751	+	1.523E-30	9.56307E-29	-0.3219	hypo	sig	chr19_3039751
chr2	1.23E+08	122661181	+	1.523E-30	9.56307E-29	0.335955	hyper	sig	chr2_122661181
chr6	10887354	10887354	+	1.523E-30	9.56374E-29	0.29259	hyper	sig	chr6_10887354
chr8	97278133	97278133	+	1.525E-30	9.57217E-29	0.279729	hyper	sig	chr8_97278133
chr8	1.4E+08	140238599	+	1.526E-30	9.57872E-29	-0.29878	hypo	sig	chr8_140238599
chr7	1.59E+08	158974382	+	1.528E-30	9.59397E-29	-0.26432	hypo	sig	chr7_158974382
chr20	25082183	25082183	+	1.529E-30	9.59528E-29	0.276009	hyper	sig	chr20_25082183
chr19	53255061	53255061	+	1.529E-30	9.59895E-29	0.313177	hyper	sig	chr19_53255061
chr8	41309594	41309594	+	1.535E-30	9.63152E-29	0.244691	hyper	sig	chr8_41309594
chr7	97018046	97018046	+	1.536E-30	9.6378E-29	0.242897	hyper	sig	chr7_97018046
chr7	30136578	30136578	+	1.542E-30	9.67331E-29	0.282308	hyper	sig	chr7_30136578
chr2	2.31E+08	231401346	+	1.554E-30	9.74764E-29	0.248558	hyper	sig	chr2_231401346
chr11	20669194	20669194	+	1.555E-30	9.75332E-29	0.288031	hyper	sig	chr11_20669194
chr6	50850468	50850468	+	1.555E-30	9.75459E-29	0.281401	hyper	sig	chr6_50850468
chr9	970549	970549	+	1.568E-30	9.83396E-29	0.239212	hyper	sig	chr9_970549
chr9	34809689	34809689	+	1.575E-30	9.87863E-29	0.289521	hyper	sig	chr9_34809689
chr5	1.33E+08	132748367	+	1.578E-30	9.89787E-29	-0.34892	hypo	sig	chr5_132748367
chr12	52007690	52007690	+	1.579E-30	9.90123E-29	0.253178	hyper	sig	chr12_52007690
chr4	1.07E+08	107037469	+	1.582E-30	9.92068E-29	0.275539	hyper	sig	chr4_107037469
chr10	43130983	43130983	+	1.587E-30	9.95101E-29	-0.28534	hypo	sig	chr10_43130983
chr20	3663450	3663450	+	1.587E-30	9.95101E-29	-0.23411	hypo	sig	chr20_3663450
chr5	71695267	71695267	+	1.601E-30	1.00374E-28	-0.25627	hypo	sig	chr5_71695267
chr6	33007129	33007129	+	1.602E-30	1.00413E-28	-0.26304	hypo	sig	chr6_33007129
chr6	89410535	89410535	+	1.603E-30	1.00443E-28	-0.29453	hypo	sig	chr6_89410535
chr3	1.47E+08	147391166	+	1.609E-30	1.00856E-28	0.245157	hyper	sig	chr3_147391166
chr17	30559056	30559056	+	1.619E-30	1.01448E-28	-0.26258	hypo	sig	chr17_30559056
chr10	593995	593995	+	1.625E-30	1.01817E-28	-0.25878	hypo	sig	chr10_593995
chr7	54542529	54542529	+	1.628E-30	1.01988E-28	0.21458	hyper	sig	chr7_54542529
chr6	29792178	29792178	+	1.629E-30	1.0206E-28	0.314711	hyper	sig	chr6_29792178
chr19	21851634	21851634	+	1.633E-30	1.02277E-28	0.255685	hyper	sig	chr19_21851634
chr3	1.38E+08	138185213	+	1.641E-30	1.02763E-28	-0.31095	hypo	sig	chr3_138185213
chr1	1.44E+08	143905741	+	1.648E-30	1.0324E-28	0.239102	hyper	sig	chr1_143905741
chr6	10882870	10882870	+	1.653E-30	1.03537E-28	0.280442	hyper	sig	chr6_10882870
chr13	70107889	70107889	+	1.66E-30	1.0392E-28	0.330482	hyper	sig	chr13_70107889

chr8	86671904	86671904	+	1.659E-30	1.0392E-28	-0.3269	hypo	sig	chr8_86671904
chr17	34156948	34156948	+	1.66E-30	1.0396E-28	0.225867	hyper	sig	chr17_34156948
chr14	1.05E+08	104637410	+	1.68E-30	1.05185E-28	-0.28619	hypo	sig	chr14_104637410
chr2	38038510	38038510	+	1.683E-30	1.0536E-28	0.326914	hyper	sig	chr2_38038510
chr19	58009794	58009794	+	1.687E-30	1.05592E-28	0.219295	hyper	sig	chr19_58009794
chr16	89202439	89202439	+	1.693E-30	1.05985E-28	0.227908	hyper	sig	chr16_89202439
chr7	1.43E+08	142797189	+	1.694E-30	1.06008E-28	0.246323	hyper	sig	chr7_142797189
chr17	48722169	48722169	+	1.697E-30	1.06187E-28	0.290039	hyper	sig	chr17_48722169
chr2	1743062	1743062	+	1.705E-30	1.06678E-28	0.230005	hyper	sig	chr2_1743062
chr7	1.55E+08	155400589	+	1.705E-30	1.06707E-28	-0.29636	hypo	sig	chr7_155400589
chr17	6655532	6655532	+	1.713E-30	1.07181E-28	0.229164	hyper	sig	chr17_6655532
chr7	50093535	50093535	+	1.733E-30	1.08418E-28	-0.25562	hypo	sig	chr7_50093535
chr6	1E+08	100448927	+	1.741E-30	1.08906E-28	0.24033	hyper	sig	chr6_100448927
chr16	29181974	29181974	+	1.743E-30	1.09015E-28	-0.26455	hypo	sig	chr16_29181974
chr15	1E+08	100349533	+	1.746E-30	1.09219E-28	-0.26551	hypo	sig	chr15_100349533
chr14	94773194	94773194	+	1.749E-30	1.09367E-28	0.228924	hyper	sig	chr14_94773194
chr17	48722142	48722142	+	1.752E-30	1.09564E-28	0.295852	hyper	sig	chr17_48722142
chr7	32427883	32427883	+	1.754E-30	1.09654E-28	0.288398	hyper	sig	chr7_32427883
chr7	813401	813401	+	1.757E-30	1.09878E-28	-0.2171	hypo	sig	chr7_813401
chr9	1.19E+08	119369261	+	1.759E-30	1.0996E-28	0.278876	hyper	sig	chr9_119369261
chr2	1.71E+08	170815283	+	1.77E-30	1.10635E-28	0.310193	hyper	sig	chr2_170815283
chr14	56799152	56799152	+	1.775E-30	1.10956E-28	0.339708	hyper	sig	chr14_56799152
chr10	1.33E+08	132838811	+	1.778E-30	1.11095E-28	-0.24946	hypo	sig	chr10_132838811
chr10	1.01E+08	101218319	+	1.787E-30	1.11637E-28	0.27464	hyper	sig	chr10_101218319
chr11	31805533	31805533	+	1.79E-30	1.11827E-28	0.219893	hyper	sig	chr11_31805533
chr8	96159080	96159080	+	1.8E-30	1.12418E-28	0.295281	hyper	sig	chr8_96159080
chr5	1.43E+08	143405600	+	1.804E-30	1.12683E-28	0.228129	hyper	sig	chr5_143405600
chr3	1.71E+08	170585410	+	1.807E-30	1.1285E-28	0.266066	hyper	sig	chr3_170585410
chr19	40224564	40224564	+	1.815E-30	1.13373E-28	-0.36371	hypo	sig	chr19_40224564
chr10	1.33E+08	132833777	+	1.818E-30	1.1353E-28	-0.30473	hypo	sig	chr10_132833777
chr8	1.44E+08	144046981	+	1.824E-30	1.13894E-28	-0.27953	hypo	sig	chr8_144046981
chr1	1117659	1117659	+	1.825E-30	1.13935E-28	-0.22397	hypo	sig	chr1_1117659
chr3	1.47E+08	147410903	+	1.825E-30	1.13957E-28	0.215475	hyper	sig	chr3_147410903
chr17	52159411	52159411	+	1.833E-30	1.14403E-28	0.27211	hyper	sig	chr17_52159411
chr16	1093668	1093668	+	1.833E-30	1.14428E-28	-0.27112	hypo	sig	chr16_1093668
chr19	33623381	33623381	+	1.836E-30	1.14612E-28	0.262248	hyper	sig	chr19_33623381
chr17	82876341	82876341	+	1.845E-30	1.15148E-28	-0.26582	hypo	sig	chr17_82876341
chr1	2328467	2328467	+	1.853E-30	1.15624E-28	-0.3017	hypo	sig	chr1_2328467
chr2	951403	951403	+	1.853E-30	1.15624E-28	0.251522	hyper	sig	chr2_951403
chr15	67826188	67826188	+	1.855E-30	1.15743E-28	0.251339	hyper	sig	chr15_67826188
chr7	1.28E+08	128201589	+	1.859E-30	1.15988E-28	0.285679	hyper	sig	chr7_128201589
chr2	5692977	5692977	+	1.862E-30	1.16185E-28	0.291055	hyper	sig	chr2_5692977
chr8	56113322	56113322	+	1.862E-30	1.16191E-28	0.319198	hyper	sig	chr8_56113322
chr10	43846534	43846534	+	1.864E-30	1.16253E-28	-0.33085	hypo	sig	chr10_43846534
chr7	1.58E+08	157768898	+	1.869E-30	1.16556E-28	-0.2791	hypo	sig	chr7_157768898
chr17	46819646	46819646	+	1.879E-30	1.17192E-28	0.278794	hyper	sig	chr17_46819646
chr8	1.43E+08	142538233	+	1.881E-30	1.17318E-28	-0.2657	hypo	sig	chr8_142538233
chr19	46412523	46412523	+	1.886E-30	1.17605E-28	0.266886	hyper	sig	chr19_46412523
chr16	66579070	66579070	+	1.889E-30	1.1781E-28	0.277874	hyper	sig	chr16_66579070
chr17	79890221	79890221	+	1.892E-30	1.17967E-28	-0.29982	hypo	sig	chr17_79890221
chr6	10385681	10385681	+	1.892E-30	1.17983E-28	0.26591	hyper	sig	chr6_10385681
chr11	1.03E+08	103109745	+	1.893E-30	1.17997E-28	0.212001	hyper	sig	chr11_103109745
chr8	98949455	98949455	+	1.896E-30	1.1819E-28	0.28342	hyper	sig	chr8_98949455
chr7	97018576	97018576	+	1.898E-30	1.18283E-28	0.34329	hyper	sig	chr7_97018576
chr4	1.33E+08	133148369	+	1.901E-30	1.18464E-28	0.296251	hyper	sig	chr4_133148369
chr5	37838461	37838461	+	1.907E-30	1.18819E-28	0.240001	hyper	sig	chr5_37838461

chr1	1.47E+08	147080154	+	1.908E-30	1.18894E-28	0.293788	hyper	sig	chr1_147080154
chr4	54101266	54101266	+	1.912E-30	1.19102E-28	0.325772	hyper	sig	chr4_54101266
chr4	1.55E+08	154742362	+	1.912E-30	1.19102E-28	0.41052	hyper	sig	chr4_154742362
chr5	45695183	45695183	+	1.914E-30	1.19237E-28	0.346953	hyper	sig	chr5_45695183
chr1	937048	937048	+	1.916E-30	1.19318E-28	-0.30095	hypo	sig	chr1_937048
chr4	4862774	4862774	+	1.92E-30	1.19555E-28	0.269262	hyper	sig	chr4_4862774
chr5	1883128	1883128	+	1.921E-30	1.19664E-28	0.234002	hyper	sig	chr5_1883128
chr19	33620577	33620577	+	1.922E-30	1.19677E-28	-0.23546	hypo	sig	chr19_33620577
chr14	85534763	85534763	+	1.929E-30	1.2015E-28	0.296635	hyper	sig	chr14_85534763
chr17	48734190	48734190	+	1.93E-30	1.20166E-28	0.234743	hyper	sig	chr17_48734190
chr7	1.49E+08	149415286	+	1.931E-30	1.20198E-28	0.288589	hyper	sig	chr7_149415286
chr19	4566545	4566545	+	1.932E-30	1.20291E-28	-0.32565	hypo	sig	chr19_4566545
chr14	76138847	76138847	+	1.933E-30	1.20304E-28	0.352267	hyper	sig	chr14_76138847
chr6	31971078	31971078	+	1.937E-30	1.20583E-28	-0.27303	hypo	sig	chr6_31971078
chr13	1.08E+08	107868216	+	1.945E-30	1.21041E-28	0.261982	hyper	sig	chr13_107868216
chr4	84482946	84482946	+	1.947E-30	1.21146E-28	0.231535	hyper	sig	chr4_84482946
chr3	1.72E+08	172448452	+	1.952E-30	1.21493E-28	0.274288	hyper	sig	chr3_172448452
chr9	1.37E+08	136748546	+	1.954E-30	1.21586E-28	-0.23543	hypo	sig	chr9_136748546
chr16	72961260	72961260	+	1.957E-30	1.21768E-28	-0.29131	hypo	sig	chr16_72961260
chr6	27275163	27275163	+	1.957E-30	1.21784E-28	0.249365	hyper	sig	chr6_27275163
chr16	29218854	29218854	+	1.967E-30	1.22392E-28	-0.22348	hypo	sig	chr16_29218854
chr1	23949304	23949304	+	1.999E-30	1.24376E-28	-0.30075	hypo	sig	chr1_23949304
chr12	1.03E+08	102961557	+	2.015E-30	1.25336E-28	0.265269	hyper	sig	chr12_102961557
chr4	1.57E+08	157220793	+	2.022E-30	1.25784E-28	0.286586	hyper	sig	chr4_157220793
chr10	49115219	49115219	+	2.028E-30	1.26106E-28	0.219378	hyper	sig	chr10_49115219
chr14	1.01E+08	100829797	+	2.033E-30	1.26412E-28	-0.3107	hypo	sig	chr14_100829797
chr14	95227544	95227544	+	2.08E-30	1.29338E-28	0.219943	hyper	sig	chr14_95227544
chr21	44329460	44329460	+	2.089E-30	1.29892E-28	-0.25641	hypo	sig	chr21_44329460
chr14	62117847	62117847	+	2.097E-30	1.30351E-28	0.286873	hyper	sig	chr14_62117847
chr17	48582396	48582396	+	2.104E-30	1.30815E-28	-0.22987	hypo	sig	chr17_48582396
chr3	1.47E+08	147410315	+	2.117E-30	1.31568E-28	0.267463	hyper	sig	chr3_147410315
chr7	55552971	55552971	+	2.121E-30	1.31834E-28	-0.26656	hypo	sig	chr7_55552971
chr16	55656567	55656567	+	2.129E-30	1.32316E-28	0.265515	hyper	sig	chr16_55656567
chr7	986601	986601	+	2.133E-30	1.3255E-28	-0.24013	hypo	sig	chr7_986601
chr10	1.16E+08	116272120	+	2.141E-30	1.33038E-28	0.229242	hyper	sig	chr10_116272120
chr15	47184797	47184797	+	2.146E-30	1.33336E-28	0.20912	hyper	sig	chr15_47184797
chr11	32428314	32428314	+	2.148E-30	1.33469E-28	0.268482	hyper	sig	chr11_32428314
chr19	35558504	35558504	+	2.15E-30	1.3356E-28	0.288482	hyper	sig	chr19_35558504
chr14	99246043	99246043	+	2.155E-30	1.33859E-28	0.304646	hyper	sig	chr14_99246043
chr19	44448570	44448570	+	2.161E-30	1.34246E-28	0.228313	hyper	sig	chr19_44448570
chr18	21243016	21243016	+	2.168E-30	1.34609E-28	0.246155	hyper	sig	chr18_21243016
chr4	1.74E+08	173519447	+	2.169E-30	1.3467E-28	0.257442	hyper	sig	chr4_173519447
chr10	7412652	7412652	+	2.169E-30	1.34693E-28	0.297685	hyper	sig	chr10_7412652
chr5	88889570	88889570	+	2.172E-30	1.34846E-28	0.346534	hyper	sig	chr5_88889570
chr4	1.25E+08	125316330	+	2.172E-30	1.34865E-28	0.230111	hyper	sig	chr4_125316330
chr9	14993527	14993527	+	2.172E-30	1.34865E-28	0.30742	hyper	sig	chr9_14993527
chr17	65537145	65537145	+	2.179E-30	1.35248E-28	-0.31627	hypo	sig	chr17_65537145
chr10	1.01E+08	101284489	+	2.18E-30	1.35285E-28	0.288543	hyper	sig	chr10_101284489
chr10	7409827	7409827	+	2.182E-30	1.35451E-28	0.276254	hyper	sig	chr10_7409827
chr10	1.18E+08	117735025	+	2.185E-30	1.35582E-28	0.259717	hyper	sig	chr10_117735025
chr16	85485152	85485152	+	2.19E-30	1.35891E-28	-0.26956	hypo	sig	chr16_85485152
chr1	1.47E+08	147079961	+	2.2E-30	1.36486E-28	0.321842	hyper	sig	chr1_147079961
chr2	1.3E+08	130037810	+	2.202E-30	1.36612E-28	0.28562	hyper	sig	chr2_130037810
chr7	24285351	24285351	+	2.203E-30	1.36691E-28	0.281926	hyper	sig	chr7_24285351
chr14	1.05E+08	104514491	+	2.21E-30	1.37128E-28	-0.25136	hypo	sig	chr14_104514491
chr7	5304182	5304182	+	2.211E-30	1.37155E-28	-0.31913	hypo	sig	chr7_5304182

chr19	56478458	56478458	+	2.221E-30	1.37723E-28	0.312111	hyper	sig	chr19_56478458
chr2	5693076	5693076	+	2.22E-30	1.37723E-28	0.351306	hyper	sig	chr2_5693076
chr5	77638921	77638921	+	2.222E-30	1.37813E-28	0.214668	hyper	sig	chr5_77638921
chr2	1.31E+08	130964694	+	2.234E-30	1.38519E-28	0.211129	hyper	sig	chr2_130964694
chr12	4909430	4909430	+	2.244E-30	1.39167E-28	0.295203	hyper	sig	chr12_4909430
chr12	53945131	53945131	+	2.253E-30	1.39702E-28	0.262757	hyper	sig	chr12_53945131
chr6	38173818	38173818	+	2.254E-30	1.39712E-28	-0.23421	hypo	sig	chr6_38173818
chr1	2232033	2232033	+	2.255E-30	1.3979E-28	-0.20639	hypo	sig	chr1_2232033
chr11	20597519	20597519	+	2.256E-30	1.39832E-28	0.274606	hyper	sig	chr11_20597519
chr7	1169916	1169916	+	2.261E-30	1.40118E-28	0.260308	hyper	sig	chr7_1169916
chr1	12549710	12549710	+	2.268E-30	1.40539E-28	-0.32299	hypo	sig	chr1_12549710
chr11	31805048	31805048	+	2.27E-30	1.40661E-28	0.278122	hyper	sig	chr11_31805048
chr1	1.1E+08	110151135	+	2.272E-30	1.40773E-28	0.321622	hyper	sig	chr1_110151135
chr16	7303489	7303489	+	2.283E-30	1.4145E-28	0.331973	hyper	sig	chr16_7303489
chr12	1.24E+08	123913291	+	2.285E-30	1.41587E-28	-0.2268	hypo	sig	chr12_123913291
chr10	86960101	86960101	+	2.293E-30	1.42032E-28	-0.2554	hypo	sig	chr10_86960101
chr4	1.11E+08	110638199	+	2.31E-30	1.43111E-28	0.303791	hyper	sig	chr4_110638199
chr10	1.28E+08	127919605	+	2.317E-30	1.43491E-28	-0.29327	hypo	sig	chr10_127919605
chr12	4809958	4809958	+	2.319E-30	1.4362E-28	0.25084	hyper	sig	chr12_4809958
chr17	46819641	46819641	+	2.32E-30	1.43644E-28	0.273044	hyper	sig	chr17_46819641
chr16	3183075	3183075	+	2.321E-30	1.43718E-28	0.250069	hyper	sig	chr16_3183075
chr7	27110641	27110641	+	2.325E-30	1.43979E-28	0.263525	hyper	sig	chr7_27110641
chr13	1.12E+08	111945229	+	2.326E-30	1.43994E-28	-0.21777	hypo	sig	chr13_111945229
chr10	75408443	75408443	+	2.331E-30	1.44325E-28	0.307261	hyper	sig	chr10_75408443
chr1	75133922	75133922	+	2.336E-30	1.44597E-28	0.250278	hyper	sig	chr1_75133922
chr5	1876272	1876272	+	2.341E-30	1.44908E-28	0.254303	hyper	sig	chr5_1876272
chr6	27680278	27680278	+	2.342E-30	1.44928E-28	0.274706	hyper	sig	chr6_27680278
chr17	78138030	78138030	+	2.344E-30	1.45101E-28	-0.28779	hypo	sig	chr17_78138030
chr5	1.41E+08	140807660	+	2.347E-30	1.45265E-28	0.260257	hyper	sig	chr5_140807660
chr6	27545446	27545446	+	2.347E-30	1.45265E-28	0.242604	hyper	sig	chr6_27545446
chr8	54454968	54454968	+	2.35E-30	1.45409E-28	0.266051	hyper	sig	chr8_54454968
chr1	1.11E+08	111271121	+	2.351E-30	1.45483E-28	0.29998	hyper	sig	chr1_111271121
chr6	32070400	32070400	+	2.358E-30	1.45861E-28	-0.27715	hypo	sig	chr6_32070400
chr13	20946295	20946295	+	2.36E-30	1.45965E-28	0.302349	hyper	sig	chr13_20946295
chr12	84911982	84911982	+	2.374E-30	1.46858E-28	0.206383	hyper	sig	chr12_84911982
chr14	1.01E+08	101442493	+	2.382E-30	1.47302E-28	-0.2769	hypo	sig	chr14_101442493
chr19	841110	841110	+	2.392E-30	1.47926E-28	-0.29984	hypo	sig	chr19_841110
chr22	16602673	16602673	+	2.393E-30	1.47991E-28	0.320892	hyper	sig	chr22_16602673
chr1	1.21E+08	121118209	+	2.398E-30	1.48275E-28	0.27809	hyper	sig	chr1_121118209
chr16	31217013	31217013	+	2.399E-30	1.48339E-28	0.226594	hyper	sig	chr16_31217013
chr10	21509439	21509439	+	2.403E-30	1.48557E-28	-0.29985	hypo	sig	chr10_21509439
chr12	1.07E+08	106585512	+	2.411E-30	1.49081E-28	0.338701	hyper	sig	chr12_106585512
chr7	27106684	27106684	+	2.413E-30	1.49191E-28	0.259061	hyper	sig	chr7_27106684
chr10	1.33E+08	132817660	+	2.417E-30	1.49381E-28	-0.25176	hypo	sig	chr10_132817660
chr12	1.31E+08	131292971	+	2.417E-30	1.49406E-28	-0.31466	hypo	sig	chr12_131292971
chr3	62378400	62378400	+	2.422E-30	1.49668E-28	0.244444	hyper	sig	chr3_62378400
chr14	28774293	28774293	+	2.438E-30	1.507E-28	0.270293	hyper	sig	chr14_28774293
chr6	1.7E+08	170141854	+	2.445E-30	1.51096E-28	-0.31346	hypo	sig	chr6_170141854
chr8	41309588	41309588	+	2.453E-30	1.51556E-28	0.239386	hyper	sig	chr8_41309588
chr15	83283984	83283984	+	2.457E-30	1.51797E-28	0.336674	hyper	sig	chr15_83283984
chr2	950320	950320	+	2.462E-30	1.52075E-28	0.271962	hyper	sig	chr2_950320
chr10	1.18E+08	117735005	+	2.463E-30	1.52149E-28	0.250696	hyper	sig	chr10_117735005
chr19	35449934	35449934	+	2.469E-30	1.52476E-28	-0.3452	hypo	sig	chr19_35449934
chr13	1.13E+08	113405859	+	2.471E-30	1.5261E-28	-0.29416	hypo	sig	chr13_113405859
chr9	85523043	85523043	+	2.475E-30	1.52832E-28	0.21411	hyper	sig	chr9_85523043
chr2	9103003	9103003	+	2.48E-30	1.53128E-28	-0.2999	hypo	sig	chr2_9103003

chr2	74181850	74181850	+	2.48E-30	1.53133E-28	-0.29518	hypo	sig	chr2_74181850
chr5	1.41E+08	140807615	+	2.48E-30	1.53134E-28	0.250933	hyper	sig	chr5_140807615
chr1	37033282	37033282	+	2.494E-30	1.5397E-28	0.201287	hyper	sig	chr1_37033282
chr2	31137907	31137907	+	2.52E-30	1.55532E-28	0.224452	hyper	sig	chr2_31137907
chr8	79611129	79611129	+	2.52E-30	1.55532E-28	0.257704	hyper	sig	chr8_79611129
chr17	68198981	68198981	+	2.523E-30	1.55697E-28	0.204505	hyper	sig	chr17_68198981
chr1	6094119	6094119	+	2.532E-30	1.56287E-28	-0.31863	hypo	sig	chr1_6094119
chr6	32053493	32053493	+	2.535E-30	1.56466E-28	-0.32045	hypo	sig	chr6_32053493
chr1	79006640	79006640	+	2.54E-30	1.56755E-28	0.2887	hyper	sig	chr1_79006640
chr1	66752314	66752314	+	2.546E-30	1.57064E-28	0.246493	hyper	sig	chr1_66752314
chr12	1.13E+08	113476085	+	2.557E-30	1.57749E-28	0.274298	hyper	sig	chr12_113476085
chr11	1.12E+08	112499787	+	2.558E-30	1.5781E-28	-0.33491	hypo	sig	chr11_112499787
chr15	52794660	52794660	+	2.563E-30	1.58085E-28	0.30654	hyper	sig	chr15_52794660
chr1	1.11E+08	110675460	+	2.565E-30	1.58213E-28	0.300489	hyper	sig	chr1_110675460
chr10	27745179	27745179	+	2.566E-30	1.58228E-28	0.341032	hyper	sig	chr10_27745179
chr2	20670504	20670504	+	2.568E-30	1.58366E-28	0.226229	hyper	sig	chr2_20670504
chr8	64578744	64578744	+	2.569E-30	1.58411E-28	0.30866	hyper	sig	chr8_64578744
chr1	1.11E+08	111271129	+	2.578E-30	1.58921E-28	0.299637	hyper	sig	chr1_111271129
chr4	13527631	13527631	+	2.588E-30	1.59525E-28	0.298457	hyper	sig	chr4_13527631
chr4	1405414	1405414	+	2.595E-30	1.59928E-28	0.333422	hyper	sig	chr4_1405414
chr5	1.36E+08	135579352	+	2.599E-30	1.60171E-28	0.232801	hyper	sig	chr5_135579352
chr12	1.32E+08	132407688	+	2.6E-30	1.60222E-28	-0.3152	hypo	sig	chr12_132407688
chr5	1931468	1931468	+	2.608E-30	1.6069E-28	0.226178	hyper	sig	chr5_1931468
chr16	49278096	49278096	+	2.608E-30	1.6069E-28	0.323126	hyper	sig	chr16_49278096
chr7	1.57E+08	157302590	+	2.615E-30	1.6113E-28	-0.28486	hypo	sig	chr7_157302590
chr7	35185752	35185752	+	2.633E-30	1.62202E-28	0.207266	hyper	sig	chr7_35185752
chr3	1.85E+08	184769832	+	2.637E-30	1.62466E-28	-0.33818	hypo	sig	chr3_184769832
chr11	1.19E+08	118887946	+	2.638E-30	1.62488E-28	-0.24802	hypo	sig	chr11_118887946
chr13	50843742	50843742	+	2.638E-30	1.62492E-28	0.310464	hyper	sig	chr13_50843742
chr13	53202174	53202174	+	2.638E-30	1.62492E-28	0.300721	hyper	sig	chr13_53202174
chr4	912111	912111	+	2.639E-30	1.62505E-28	-0.27645	hypo	sig	chr4_912111
chr15	24477833	24477833	+	2.662E-30	1.63884E-28	0.254751	hyper	sig	chr15_24477833
chr2	2.06E+08	206440594	+	2.664E-30	1.64011E-28	-0.32898	hypo	sig	chr2_206440594
chr16	89085072	89085072	+	2.675E-30	1.64706E-28	-0.25712	hypo	sig	chr16_89085072
chr6	50843227	50843227	+	2.677E-30	1.64781E-28	0.294477	hyper	sig	chr6_50843227
chr11	32436237	32436237	+	2.682E-30	1.65112E-28	0.25123	hyper	sig	chr11_32436237
chr9	88991015	88991015	+	2.7E-30	1.662E-28	0.285766	hyper	sig	chr9_88991015
chr14	97219561	97219561	+	2.704E-30	1.6645E-28	0.280629	hyper	sig	chr14_97219561
chr20	43189277	43189277	+	2.706E-30	1.66506E-28	0.233103	hyper	sig	chr20_43189277
chr1	12063432	12063432	+	2.721E-30	1.67444E-28	0.233986	hyper	sig	chr1_12063432
chr6	1E+08	100464036	+	2.721E-30	1.67444E-28	0.284451	hyper	sig	chr6_100464036
chr5	50969766	50969766	+	2.723E-30	1.67546E-28	0.231316	hyper	sig	chr5_50969766
chr1	1956970	1956970	+	2.729E-30	1.67921E-28	-0.26746	hypo	sig	chr1_1956970
chr19	22286398	22286398	+	2.73E-30	1.67958E-28	0.311852	hyper	sig	chr19_22286398
chr10	1.34E+08	133523925	+	2.751E-30	1.69236E-28	-0.30777	hypo	sig	chr10_133523925
chr13	22851314	22851314	+	2.751E-30	1.69241E-28	-0.3196	hypo	sig	chr13_22851314
chr3	1.25E+08	125357075	+	2.758E-30	1.69627E-28	0.395259	hyper	sig	chr3_125357075
chr5	3606976	3606976	+	2.761E-30	1.69827E-28	0.270243	hyper	sig	chr5_3606976
chr16	4332080	4332080	+	2.762E-30	1.69877E-28	-0.28189	hypo	sig	chr16_4332080
chr15	28832249	28832249	+	2.774E-30	1.70574E-28	0.306198	hyper	sig	chr15_28832249
chr17	81342048	81342048	+	2.805E-30	1.72468E-28	0.347469	hyper	sig	chr17_81342048
chr8	1.23E+08	123167671	+	2.809E-30	1.72716E-28	-0.32887	hypo	sig	chr8_123167671
chr8	1.28E+08	127795817	+	2.818E-30	1.73229E-28	-0.26583	hypo	sig	chr8_127795817
chr12	43552602	43552602	+	2.819E-30	1.73262E-28	0.246823	hyper	sig	chr12_43552602
chr7	1.59E+08	158990348	+	2.824E-30	1.73602E-28	-0.23617	hypo	sig	chr7_158990348
chr1	2E+08	200038638	+	2.845E-30	1.74853E-28	0.448933	hyper	sig	chr1_200038638

chr11	64061293	64061293	+	2.856E-30	1.75499E-28	0.237935	hyper	sig	chr11_64061293
chr11	69382556	69382556	+	2.861E-30	1.75797E-28	-0.26849	hypo	sig	chr11_69382556
chr18	11752517	11752517	+	2.868E-30	1.76218E-28	0.267967	hyper	sig	chr18_11752517
chr7	1.3E+08	129796628	+	2.874E-30	1.76574E-28	-0.30662	hypo	sig	chr7_129796628
chr1	1.21E+08	121009566	+	2.874E-30	1.76584E-28	0.252649	hyper	sig	chr1_121009566
chr20	10217979	10217979	+	2.876E-30	1.7666E-28	0.301153	hyper	sig	chr20_10217979
chr21	26572806	26572806	+	2.878E-30	1.76762E-28	0.267874	hyper	sig	chr21_26572806
chr20	23049590	23049590	+	2.878E-30	1.76774E-28	0.243786	hyper	sig	chr20_23049590
chr1	6466122	6466122	+	2.882E-30	1.77028E-28	0.290268	hyper	sig	chr1_6466122
chr15	83284003	83284003	+	2.89E-30	1.77486E-28	0.303331	hyper	sig	chr15_83284003
chr9	14993545	14993545	+	2.894E-30	1.77738E-28	0.31455	hyper	sig	chr9_14993545
chr4	3649751	3649751	+	2.908E-30	1.78545E-28	-0.29123	hypo	sig	chr4_3649751
chr12	1.3E+08	130161832	+	2.916E-30	1.79045E-28	0.265652	hyper	sig	chr12_130161832
chr11	1.33E+08	132943631	+	2.931E-30	1.79973E-28	0.22779	hyper	sig	chr11_132943631
chr13	25372656	25372656	+	2.932E-30	1.79996E-28	0.3885	hyper	sig	chr13_25372656
chr1	1.44E+08	143661900	+	2.938E-30	1.80317E-28	0.258028	hyper	sig	chr1_143661900
chr10	23191308	23191308	+	2.939E-30	1.80368E-28	0.225079	hyper	sig	chr10_23191308
chr19	19619371	19619371	+	2.956E-30	1.81454E-28	-0.25871	hypo	sig	chr19_19619371
chr8	1.16E+08	115648464	+	2.963E-30	1.81825E-28	0.264789	hyper	sig	chr8_115648464
chr10	1.01E+08	100519937	+	2.964E-30	1.81896E-28	0.305837	hyper	sig	chr10_100519937
chr6	1.01E+08	101402664	+	2.965E-30	1.81954E-28	0.249465	hyper	sig	chr6_101402664
chr12	54090555	54090555	+	2.974E-30	1.82437E-28	0.270105	hyper	sig	chr12_54090555
chr8	64370770	64370770	+	2.976E-30	1.8257E-28	0.27657	hyper	sig	chr8_64370770
chr10	69569287	69569287	+	2.98E-30	1.82831E-28	0.32649	hyper	sig	chr10_69569287
chr1	1.19E+08	118992021	+	2.981E-30	1.82859E-28	0.29561	hyper	sig	chr1_118992021
chr6	33007559	33007559	+	2.983E-30	1.82947E-28	-0.26752	hypo	sig	chr6_33007559
chr5	77643542	77643542	+	2.984E-30	1.83009E-28	0.228689	hyper	sig	chr5_77643542
chr11	57426647	57426647	+	2.996E-30	1.83731E-28	0.237421	hyper	sig	chr11_57426647
chr13	1.02E+08	102400576	+	2.998E-30	1.83811E-28	0.237038	hyper	sig	chr13_102400576
chr8	26865873	26865873	+	3.005E-30	1.84261E-28	0.368702	hyper	sig	chr8_26865873
chr11	19346112	19346112	+	3.016E-30	1.84888E-28	0.290131	hyper	sig	chr11_19346112
chr19	33623412	33623412	+	3.031E-30	1.85816E-28	0.304047	hyper	sig	chr19_33623412
chr6	34028460	34028460	+	3.036E-30	1.86114E-28	-0.27931	hypo	sig	chr6_34028460
chr10	1.23E+08	123134574	+	3.042E-30	1.86421E-28	0.221589	hyper	sig	chr10_123134574
chr10	594096	594096	+	3.051E-30	1.86961E-28	-0.27098	hypo	sig	chr10_594096
chr4	1.11E+08	110612828	+	3.078E-30	1.8859E-28	0.22357	hyper	sig	chr4_110612828
chr2	2.38E+08	238404437	+	3.089E-30	1.89254E-28	0.224865	hyper	sig	chr2_238404437
chr6	1.52E+08	152100279	+	3.093E-30	1.89506E-28	-0.26406	hypo	sig	chr6_152100279
chr8	1.08E+08	108083620	+	3.095E-30	1.89577E-28	0.272163	hyper	sig	chr8_108083620
chr2	38038526	38038526	+	3.095E-30	1.89608E-28	0.332679	hyper	sig	chr2_38038526
chr16	833923	833923	+	3.102E-30	1.89994E-28	-0.34113	hypo	sig	chr16_833923
chr12	4909634	4909634	+	3.104E-30	1.90063E-28	0.234025	hyper	sig	chr12_4909634
chr11	20669174	20669174	+	3.122E-30	1.91169E-28	0.267729	hyper	sig	chr11_20669174
chr13	42574119	42574119	+	3.122E-30	1.91169E-28	0.259191	hyper	sig	chr13_42574119
chr1	1.19E+08	119000685	+	3.124E-30	1.91287E-28	0.241428	hyper	sig	chr1_119000685
chr8	1.41E+08	141190367	+	3.129E-30	1.9155E-28	-0.22813	hypo	sig	chr8_141190367
chr2	2.42E+08	241985746	+	3.144E-30	1.92498E-28	-0.34246	hypo	sig	chr2_241985746
chr4	4862380	4862380	+	3.154E-30	1.93062E-28	0.280046	hyper	sig	chr4_4862380
chr7	4093679	4093679	+	3.157E-30	1.93251E-28	0.287568	hyper	sig	chr7_4093679
chr6	1.33E+08	133240509	+	3.164E-30	1.93648E-28	0.29994	hyper	sig	chr6_133240509
chr12	1.07E+08	106585673	+	3.177E-30	1.94396E-28	0.315104	hyper	sig	chr12_106585673
chr16	89202410	89202410	+	3.189E-30	1.9514E-28	0.233687	hyper	sig	chr16_89202410
chr1	1.8E+08	179743985	+	3.203E-30	1.96001E-28	0.261394	hyper	sig	chr1_179743985
chr4	13529460	13529460	+	3.209E-30	1.96332E-28	0.265356	hyper	sig	chr4_13529460
chr2	2.06E+08	205686736	+	3.211E-30	1.96462E-28	0.289952	hyper	sig	chr2_205686736
chr16	88426347	88426347	+	3.222E-30	1.97068E-28	-0.21467	hypo	sig	chr16_88426347

chr1	12063450	12063450	+	3.242E-30	1.98263E-28	0.212055	hyper	sig	chr1_12063450
chr10	1185228	1185228	+	3.244E-30	1.98412E-28	-0.31385	hypo	sig	chr10_1185228
chr2	2.41E+08	240672611	+	3.265E-30	1.99648E-28	0.243366	hyper	sig	chr2_240672611
chr2	1.31E+08	131040084	+	3.268E-30	1.99823E-28	0.276039	hyper	sig	chr2_131040084
chr6	30111503	30111503	+	3.272E-30	2.00066E-28	-0.27597	hypo	sig	chr6_30111503
chr11	64971848	64971848	+	3.276E-30	2.0032E-28	0.23252	hyper	sig	chr11_64971848
chr21	44612109	44612109	+	3.278E-30	2.00406E-28	-0.25469	hypo	sig	chr21_44612109
chr5	163949	163949	+	3.282E-30	2.00647E-28	0.31662	hyper	sig	chr5_163949
chr8	64376666	64376666	+	3.306E-30	2.02095E-28	0.314678	hyper	sig	chr8_64376666
chr16	55656425	55656425	+	3.308E-30	2.02177E-28	0.24752	hyper	sig	chr16_55656425
chr2	1.15E+08	115163049	+	3.309E-30	2.0221E-28	0.252407	hyper	sig	chr2_115163049
chr1	2908606	2908606	+	3.31E-30	2.02289E-28	-0.26288	hypo	sig	chr1_2908606
chr2	1.85E+08	184598143	+	3.314E-30	2.02535E-28	0.233676	hyper	sig	chr2_184598143
chr16	49277592	49277592	+	3.316E-30	2.02623E-28	0.2526	hyper	sig	chr16_49277592
chr16	46731496	46731496	+	3.358E-30	2.05125E-28	-0.3089	hypo	sig	chr16_46731496
chr6	28814519	28814519	+	3.367E-30	2.05695E-28	0.318383	hyper	sig	chr6_28814519
chr15	52789063	52789063	+	3.377E-30	2.06273E-28	0.289779	hyper	sig	chr15_52789063
chr17	79212099	79212099	+	3.383E-30	2.06605E-28	-0.33434	hypo	sig	chr17_79212099
chr13	1.13E+08	112638447	+	3.387E-30	2.06854E-28	-0.3524	hypo	sig	chr13_112638447
chr10	99233910	99233910	+	3.389E-30	2.06935E-28	0.233512	hyper	sig	chr10_99233910
chr5	1.11E+08	111070790	+	3.391E-30	2.07084E-28	0.236547	hyper	sig	chr5_111070790
chr8	48735205	48735205	+	3.394E-30	2.07217E-28	0.224669	hyper	sig	chr8_48735205
chr15	96778621	96778621	+	3.406E-30	2.07929E-28	-0.27584	hypo	sig	chr15_96778621
chr1	981863	981863	+	3.429E-30	2.09306E-28	-0.3346	hypo	sig	chr1_981863
chr9	971508	971508	+	3.434E-30	2.09591E-28	0.33106	hyper	sig	chr9_971508
chr5	1.41E+08	141421246	+	3.446E-30	2.10332E-28	0.252256	hyper	sig	chr5_141421246
chr5	1.35E+08	135039045	+	3.448E-30	2.10425E-28	0.284182	hyper	sig	chr5_135039045
chr13	70107900	70107900	+	3.459E-30	2.11097E-28	0.323939	hyper	sig	chr13_70107900
chr9	970448	970448	+	3.473E-30	2.11954E-28	0.281767	hyper	sig	chr9_970448
chr1	63320269	63320269	+	3.478E-30	2.12224E-28	0.262298	hyper	sig	chr1_63320269
chr6	1E+08	100464048	+	3.487E-30	2.12744E-28	0.267234	hyper	sig	chr6_100464048
chr17	2057994	2057994	+	3.5E-30	2.13534E-28	0.288045	hyper	sig	chr17_2057994
chr1	1.47E+08	147072749	+	3.501E-30	2.13573E-28	0.319702	hyper	sig	chr1_147072749
chr7	923773	923773	+	3.505E-30	2.13807E-28	-0.26474	hypo	sig	chr7_923773
chr1	30921070	30921070	+	3.506E-30	2.13832E-28	-0.33669	hypo	sig	chr1_30921070
chr16	88975631	88975631	+	3.513E-30	2.14277E-28	-0.26761	hypo	sig	chr16_88975631
chr4	1.55E+08	154742702	+	3.515E-30	2.14382E-28	0.236756	hyper	sig	chr4_154742702
chr19	57935037	57935037	+	3.539E-30	2.15831E-28	0.359317	hyper	sig	chr19_57935037
chr16	2714216	2714216	+	3.543E-30	2.16032E-28	-0.2666	hypo	sig	chr16_2714216
chr5	1.41E+08	141431535	+	3.545E-30	2.16156E-28	0.293378	hyper	sig	chr5_141431535
chr21	43829967	43829967	+	3.567E-30	2.17433E-28	-0.28077	hypo	sig	chr21_43829967
chr7	54542226	54542226	+	3.567E-30	2.17434E-28	0.307425	hyper	sig	chr7_54542226
chr7	1.29E+08	128907628	+	3.585E-30	2.18499E-28	-0.2695	hypo	sig	chr7_128907628
chr13	98444215	98444215	+	3.591E-30	2.18849E-28	-0.23237	hypo	sig	chr13_98444215
chr1	75135452	75135452	+	3.615E-30	2.2028E-28	0.25109	hyper	sig	chr1_75135452
chr7	1.54E+08	154053336	+	3.655E-30	2.22745E-28	0.290093	hyper	sig	chr7_154053336
chr19	345349	345349	+	3.658E-30	2.22886E-28	0.312611	hyper	sig	chr19_345349
chr16	54932647	54932647	+	3.672E-30	2.23736E-28	0.257201	hyper	sig	chr16_54932647
chr7	1.5E+08	149715250	+	3.677E-30	2.24021E-28	0.305785	hyper	sig	chr7_149715250
chr4	1.44E+08	143913421	+	3.687E-30	2.24592E-28	-0.29439	hypo	sig	chr4_143913421
chr13	36130820	36130820	+	3.708E-30	2.25877E-28	0.28313	hyper	sig	chr13_36130820
chr16	86088483	86088483	+	3.736E-30	2.27563E-28	-0.27332	hypo	sig	chr16_86088483
chr1	2.28E+08	228464498	+	3.74E-30	2.27745E-28	0.275656	hyper	sig	chr1_228464498
chr17	29613479	29613479	+	3.767E-30	2.29419E-28	0.224194	hyper	sig	chr17_29613479
chr7	6842454	6842454	+	3.779E-30	2.3013E-28	-0.31685	hypo	sig	chr7_6842454
chr14	60506828	60506828	+	3.785E-30	2.3048E-28	0.297476	hyper	sig	chr14_60506828

chr5	88889940	88889940	+	3.791E-30	2.30765E-28	0.2407	hyper	sig	chr5_88889940
chr19	53308778	53308778	+	3.795E-30	2.31001E-28	0.275239	hyper	sig	chr19_53308778
chr2	66439552	66439552	+	3.81E-30	2.31887E-28	0.300598	hyper	sig	chr2_66439552
chr16	88938483	88938483	+	3.822E-30	2.32605E-28	-0.31783	hypo	sig	chr16_88938483
chr11	1872300	1872300	+	3.822E-30	2.32633E-28	-0.29467	hypo	sig	chr11_1872300
chr13	36346484	36346484	+	3.836E-30	2.33467E-28	0.202528	hyper	sig	chr13_36346484
chr17	83063505	83063505	+	3.839E-30	2.33582E-28	-0.30618	hypo	sig	chr17_83063505
chr10	22345329	22345329	+	3.841E-30	2.33695E-28	0.284633	hyper	sig	chr10_22345329
chr8	11700690	11700690	+	3.843E-30	2.33787E-28	0.228678	hyper	sig	chr8_11700690
chr11	2188863	2188863	+	3.853E-30	2.34358E-28	-0.22246	hypo	sig	chr11_2188863
chr11	856992	856992	+	3.854E-30	2.3438E-28	-0.26606	hypo	sig	chr11_856992
chr16	88939603	88939603	+	3.855E-30	2.34449E-28	-0.2113	hypo	sig	chr16_88939603
chr14	60511243	60511243	+	3.867E-30	2.35168E-28	0.250557	hyper	sig	chr14_60511243
chr17	79212109	79212109	+	3.871E-30	2.3538E-28	-0.3164	hypo	sig	chr17_79212109
chr4	84501300	84501300	+	3.872E-30	2.35409E-28	0.298888	hyper	sig	chr4_84501300
chr11	65856004	65856004	+	3.885E-30	2.36201E-28	-0.3126	hypo	sig	chr11_65856004
chr13	57630836	57630836	+	3.891E-30	2.36538E-28	0.300269	hyper	sig	chr13_57630836
chr8	1622625	1622625	+	3.901E-30	2.37115E-28	-0.26291	hypo	sig	chr8_1622625
chr19	22286389	22286389	+	3.91E-30	2.37671E-28	0.309921	hyper	sig	chr19_22286389
chr17	4785386	4785386	+	3.917E-30	2.38051E-28	0.251137	hyper	sig	chr17_4785386
chr22	39374483	39374483	+	3.922E-30	2.38331E-28	-0.28705	hypo	sig	chr22_39374483
chr11	1.23E+08	122981753	+	3.923E-30	2.38383E-28	0.285244	hyper	sig	chr11_122981753
chr15	96417069	96417069	+	3.926E-30	2.38543E-28	0.255744	hyper	sig	chr15_96417069
chr1	12063499	12063499	+	3.936E-30	2.39128E-28	0.219455	hyper	sig	chr1_12063499
chr12	1.14E+08	114401079	+	3.944E-30	2.39637E-28	0.229677	hyper	sig	chr12_114401079
chr6	1.66E+08	166478215	+	3.945E-30	2.39643E-28	-0.30314	hypo	sig	chr6_166478215
chr4	1.11E+08	110609744	+	3.946E-30	2.39695E-28	0.308197	hyper	sig	chr4_110609744
chr7	1.43E+08	142864229	+	3.948E-30	2.39803E-28	-0.33398	hypo	sig	chr7_142864229
chr19	3852029	3852029	+	3.951E-30	2.3998E-28	-0.28276	hypo	sig	chr19_3852029
chr16	89915949	89915949	+	3.953E-30	2.40088E-28	-0.25379	hypo	sig	chr16_89915949
chr2	63055531	63055531	+	3.983E-30	2.41889E-28	0.268634	hyper	sig	chr2_63055531
chr10	86367539	86367539	+	4.002E-30	2.43028E-28	0.214551	hyper	sig	chr10_86367539
chr17	21378072	21378072	+	4.055E-30	2.46196E-28	0.214212	hyper	sig	chr17_21378072
chr16	51150083	51150083	+	4.056E-30	2.46266E-28	0.294668	hyper	sig	chr16_51150083
chr2	38960443	38960443	+	4.064E-30	2.46719E-28	0.214889	hyper	sig	chr2_38960443
chr17	35448898	35448898	+	4.066E-30	2.46826E-28	0.253143	hyper	sig	chr17_35448898
chr7	27101426	27101426	+	4.07E-30	2.47003E-28	0.252908	hyper	sig	chr7_27101426
chr20	62311065	62311065	+	4.073E-30	2.47221E-28	-0.25404	hypo	sig	chr20_62311065
chr18	55779980	55779980	+	4.084E-30	2.47818E-28	0.322802	hyper	sig	chr18_55779980
chr11	856990	856990	+	4.099E-30	2.48716E-28	-0.26847	hypo	sig	chr11_856990
chr11	1.12E+08	111514971	+	4.108E-30	2.49272E-28	0.265508	hyper	sig	chr11_111514971
chr8	68330759	68330759	+	4.113E-30	2.49576E-28	0.301615	hyper	sig	chr8_68330759
chr6	1.08E+08	108174360	+	4.119E-30	2.49897E-28	0.29461	hyper	sig	chr6_108174360
chr1	78491220	78491220	+	4.122E-30	2.50067E-28	0.290774	hyper	sig	chr1_78491220
chr16	85625234	85625234	+	4.148E-30	2.51605E-28	-0.33521	hypo	sig	chr16_85625234
chr1	1.57E+08	156897319	+	4.15E-30	2.51722E-28	-0.30978	hypo	sig	chr1_156897319
chr7	988431	988431	+	4.155E-30	2.51988E-28	-0.23534	hypo	sig	chr7_988431
chr14	41609698	41609698	+	4.163E-30	2.52447E-28	0.34315	hyper	sig	chr14_41609698
chr5	1924092	1924092	+	4.171E-30	2.52924E-28	-0.22008	hypo	sig	chr5_1924092
chr2	2.41E+08	240672643	+	4.19E-30	2.54026E-28	0.269781	hyper	sig	chr2_240672643
chr10	99530516	99530516	+	4.227E-30	2.56246E-28	0.267183	hyper	sig	chr10_99530516
chr17	48599010	48599010	+	4.229E-30	2.56402E-28	-0.32714	hypo	sig	chr17_48599010
chr4	912217	912217	+	4.236E-30	2.5678E-28	-0.29913	hypo	sig	chr4_912217
chr14	94773199	94773199	+	4.258E-30	2.58122E-28	0.249883	hyper	sig	chr14_94773199
chr4	6028755	6028755	+	4.276E-30	2.59196E-28	-0.28619	hypo	sig	chr4_6028755
chr6	10422269	10422269	+	4.282E-30	2.59504E-28	0.242099	hyper	sig	chr6_10422269

chr1	9714725	9714725	+	4.283E-30	2.59562E-28	-0.29486	hypo	sig	chr1_9714725
chr14	1.05E+08	104819744	+	4.314E-30	2.6144E-28	-0.25627	hypo	sig	chr14_104819744
chr12	1.33E+08	132596472	+	4.321E-30	2.61819E-28	0.234628	hyper	sig	chr12_132596472
chr4	1.11E+08	110633847	+	4.324E-30	2.61957E-28	0.29513	hyper	sig	chr4_110633847
chr5	1.16E+08	115816842	+	4.326E-30	2.62072E-28	0.325761	hyper	sig	chr5_115816842
chr14	47675841	47675841	+	4.329E-30	2.62248E-28	0.288125	hyper	sig	chr14_47675841
chr5	1.8E+08	179523844	+	4.33E-30	2.62305E-28	-0.2853	hypo	sig	chr5_179523844
chr8	23707190	23707190	+	4.333E-30	2.62463E-28	0.245998	hyper	sig	chr8_23707190
chr9	1.19E+08	119369274	+	4.343E-30	2.63051E-28	0.336791	hyper	sig	chr9_119369274
chr19	20661419	20661419	+	4.344E-30	2.63059E-28	0.30117	hyper	sig	chr19_20661419
chr14	94774128	94774128	+	4.356E-30	2.638E-28	0.263523	hyper	sig	chr14_94774128
chr8	23702442	23702442	+	4.363E-30	2.64158E-28	0.243835	hyper	sig	chr8_23702442
chr5	88672684	88672684	+	4.363E-30	2.64159E-28	0.308233	hyper	sig	chr5_88672684
chr13	27928324	27928324	+	4.368E-30	2.64433E-28	0.40298	hyper	sig	chr13_27928324
chr1	3206562	3206562	+	4.398E-30	2.66227E-28	-0.24879	hypo	sig	chr1_3206562
chr4	1.21E+08	121380559	+	4.407E-30	2.66787E-28	0.293206	hyper	sig	chr4_121380559
chr20	24471215	24471215	+	4.414E-30	2.672E-28	0.229478	hyper	sig	chr20_24471215
chr18	37567127	37567127	+	4.425E-30	2.67816E-28	0.280838	hyper	sig	chr18_37567127
chr3	1.38E+08	137761908	+	4.441E-30	2.68755E-28	0.269205	hyper	sig	chr3_137761908
chr8	1.44E+08	144074422	+	4.446E-30	2.69035E-28	-0.30452	hypo	sig	chr8_144074422
chr16	23836299	23836299	+	4.448E-30	2.69107E-28	0.234389	hyper	sig	chr16_23836299
chr2	63055521	63055521	+	4.448E-30	2.69107E-28	0.292305	hyper	sig	chr2_63055521
chr10	3399212	3399212	+	4.463E-30	2.70045E-28	-0.34093	hypo	sig	chr10_3399212
chr12	81078363	81078363	+	4.469E-30	2.70379E-28	0.245228	hyper	sig	chr12_81078363
chr12	1.14E+08	114414532	+	4.488E-30	2.71487E-28	0.301172	hyper	sig	chr12_114414532
chr10	1.23E+08	123142883	+	4.493E-30	2.71721E-28	0.263401	hyper	sig	chr10_123142883
chr6	27558521	27558521	+	4.499E-30	2.72074E-28	0.34979	hyper	sig	chr6_27558521
chr11	44311363	44311363	+	4.512E-30	2.72846E-28	0.222984	hyper	sig	chr11_44311363
chr4	61201610	61201610	+	4.512E-30	2.72846E-28	0.31241	hyper	sig	chr4_61201610
chr13	27793130	27793130	+	4.521E-30	2.7335E-28	0.430098	hyper	sig	chr13_27793130
chr8	55939629	55939629	+	4.528E-30	2.73756E-28	0.278919	hyper	sig	chr8_55939629
chr15	41894242	41894242	+	4.547E-30	2.74852E-28	-0.24414	hypo	sig	chr15_41894242
chr18	55590048	55590048	+	4.549E-30	2.75001E-28	0.228671	hyper	sig	chr18_55590048
chr19	41933121	41933121	+	4.554E-30	2.75231E-28	-0.33316	hypo	sig	chr19_41933121
chr3	42265342	42265342	+	4.555E-30	2.75317E-28	0.344933	hyper	sig	chr3_42265342
chr8	64587330	64587330	+	4.567E-30	2.7598E-28	0.264259	hyper	sig	chr8_64587330
chr4	1.66E+08	165874444	+	4.569E-30	2.76086E-28	0.300879	hyper	sig	chr4_165874444
chr14	60511231	60511231	+	4.571E-30	2.7621E-28	0.247379	hyper	sig	chr14_60511231
chr13	36346605	36346605	+	4.581E-30	2.76814E-28	0.262752	hyper	sig	chr13_36346605
chr2	99593518	99593518	+	4.602E-30	2.78054E-28	-0.37525	hypo	sig	chr2_99593518
chr1	37033146	37033146	+	4.607E-30	2.78297E-28	0.243951	hyper	sig	chr1_37033146
chr8	79611238	79611238	+	4.607E-30	2.783E-28	0.271662	hyper	sig	chr8_79611238
chr19	57934971	57934971	+	4.62E-30	2.79056E-28	0.356996	hyper	sig	chr19_57934971
chr4	5708125	5708125	+	4.627E-30	2.79423E-28	0.281157	hyper	sig	chr4_5708125
chr8	1.43E+08	143391383	+	4.627E-30	2.79423E-28	-0.25088	hypo	sig	chr8_143391383
chr15	23180725	23180725	+	4.63E-30	2.79609E-28	-0.23038	hypo	sig	chr15_23180725
chr16	88416471	88416471	+	4.636E-30	2.79966E-28	-0.25619	hypo	sig	chr16_88416471
chr20	23048409	23048409	+	4.638E-30	2.80045E-28	0.283942	hyper	sig	chr20_23048409
chr4	1.39E+08	139279554	+	4.647E-30	2.80581E-28	0.200069	hyper	sig	chr4_139279554
chr15	33310819	33310819	+	4.666E-30	2.81669E-28	0.309852	hyper	sig	chr15_33310819
chr13	20143354	20143354	+	4.687E-30	2.82887E-28	-0.2505	hypo	sig	chr13_20143354
chr2	1.82E+08	181683961	+	4.687E-30	2.82887E-28	0.274307	hyper	sig	chr2_181683961
chr19	1473180	1473180	+	4.687E-30	2.82906E-28	-0.28294	hypo	sig	chr19_1473180
chr20	21514074	21514074	+	4.698E-30	2.83513E-28	0.211802	hyper	sig	chr20_21514074
chr1	2.28E+08	228341332	+	4.71E-30	2.8421E-28	-0.30826	hypo	sig	chr1_228341332
chr5	1.35E+08	135038727	+	4.723E-30	2.85024E-28	0.249641	hyper	sig	chr5_135038727

chr12	1.03E+08	102961550	+	4.745E-30	2.86285E-28	0.270706	hyper	sig	chr12_102961550
chr5	1.41E+08	141421929	+	4.756E-30	2.86949E-28	0.289766	hyper	sig	chr5_141421929
chr11	64972016	64972016	+	4.768E-30	2.87666E-28	0.304005	hyper	sig	chr11_64972016
chr6	84773268	84773268	+	4.785E-30	2.88688E-28	0.295163	hyper	sig	chr6_84773268
chr6	50850488	50850488	+	4.787E-30	2.88737E-28	0.269344	hyper	sig	chr6_50850488
chr2	1.19E+08	118856938	+	4.795E-30	2.8922E-28	0.214172	hyper	sig	chr2_118856938
chr22	48550334	48550334	+	4.796E-30	2.89286E-28	-0.29841	hypo	sig	chr22_48550334
chr13	49220580	49220580	+	4.81E-30	2.90105E-28	0.243088	hyper	sig	chr13_49220580
chr16	10182725	10182725	+	4.816E-30	2.90431E-28	0.229018	hyper	sig	chr16_10182725
chr13	67230256	67230256	+	4.832E-30	2.91344E-28	0.277035	hyper	sig	chr13_67230256
chr20	41134153	41134153	+	4.837E-30	2.91664E-28	-0.31758	hypo	sig	chr20_41134153
chr12	54032988	54032988	+	4.842E-30	2.91923E-28	0.293983	hyper	sig	chr12_54032988
chr1	94540969	94540969	+	4.857E-30	2.92763E-28	-0.2379	hypo	sig	chr1_94540969
chr12	78865100	78865100	+	4.875E-30	2.9387E-28	0.278198	hyper	sig	chr12_78865100
chr10	99530537	99530537	+	4.878E-30	2.94014E-28	0.256103	hyper	sig	chr10_99530537
chr16	1002610	1002610	+	4.888E-30	2.9461E-28	-0.36107	hypo	sig	chr16_1002610
chr22	16602575	16602575	+	4.893E-30	2.94845E-28	0.265403	hyper	sig	chr22_16602575
chr9	1.36E+08	136345400	+	4.9E-30	2.95257E-28	-0.21786	hypo	sig	chr9_136345400
chr16	88116308	88116308	+	4.9E-30	2.95272E-28	-0.24543	hypo	sig	chr16_88116308
chr8	17026873	17026873	+	4.904E-30	2.9545E-28	0.319518	hyper	sig	chr8_17026873
chr8	97278135	97278135	+	4.91E-30	2.95817E-28	0.278289	hyper	sig	chr8_97278135
chr17	83014497	83014497	+	4.921E-30	2.96423E-28	-0.25208	hypo	sig	chr17_83014497
chr6	1.59E+08	158663394	+	4.95E-30	2.98123E-28	-0.33909	hypo	sig	chr6_158663394
chr4	54104087	54104087	+	4.965E-30	2.9902E-28	0.23706	hyper	sig	chr4_54104087
chr6	1.5E+08	150037742	+	4.965E-30	2.9902E-28	0.237669	hyper	sig	chr6_150037742
chr1	1.81E+08	181483001	+	4.971E-30	2.99331E-28	0.210248	hyper	sig	chr1_181483001
chr11	67452088	67452088	+	4.985E-30	3.00167E-28	-0.25668	hypo	sig	chr11_67452088
chr19	2513268	2513268	+	4.988E-30	3.0035E-28	-0.40623	hypo	sig	chr19_2513268
chr3	1.92E+08	191952458	+	4.993E-30	3.00576E-28	-0.27462	hypo	sig	chr3_191952458
chr8	1.43E+08	142676080	+	5.043E-30	3.03574E-28	-0.22723	hypo	sig	chr8_142676080
chr5	41510054	41510054	+	5.051E-30	3.04058E-28	0.33672	hyper	sig	chr5_41510054
chr7	55552948	55552948	+	5.056E-30	3.04339E-28	-0.26943	hypo	sig	chr7_55552948
chr8	71558192	71558192	+	5.084E-30	3.05971E-28	0.232841	hyper	sig	chr8_71558192
chr2	2.32E+08	232486239	+	5.092E-30	3.06401E-28	0.220014	hyper	sig	chr2_232486239
chr16	86579069	86579069	+	5.112E-30	3.07605E-28	0.353211	hyper	sig	chr16_86579069
chr10	22345193	22345193	+	5.12E-30	3.08087E-28	0.234163	hyper	sig	chr10_22345193
chr7	27106690	27106690	+	5.124E-30	3.08311E-28	0.263359	hyper	sig	chr7_27106690
chr1	90724664	90724664	+	5.139E-30	3.09183E-28	0.263995	hyper	sig	chr1_90724664
chr10	46108263	46108263	+	5.141E-30	3.09265E-28	-0.20863	hypo	sig	chr10_46108263
chr9	1045619	1045619	+	5.146E-30	3.09565E-28	0.223325	hyper	sig	chr9_1045619
chr11	20163128	20163128	+	5.161E-30	3.10396E-28	0.22579	hyper	sig	chr11_20163128
chr11	66049090	66049090	+	5.161E-30	3.10396E-28	0.32399	hyper	sig	chr11_66049090
chr5	1.59E+08	159100697	+	5.18E-30	3.11483E-28	0.241824	hyper	sig	chr5_159100697
chr5	73444813	73444813	+	5.181E-30	3.11519E-28	0.289592	hyper	sig	chr5_73444813
chr13	20946301	20946301	+	5.21E-30	3.13251E-28	0.298165	hyper	sig	chr13_20946301
chr7	1.58E+08	158253606	+	5.218E-30	3.137E-28	-0.24129	hypo	sig	chr7_158253606
chr1	18798722	18798722	+	5.231E-30	3.14441E-28	-0.25588	hypo	sig	chr1_18798722
chr2	74499810	74499810	+	5.251E-30	3.15552E-28	0.25268	hyper	sig	chr2_74499810
chr13	1.12E+08	112074047	+	5.267E-30	3.16479E-28	0.220105	hyper	sig	chr13_112074047
chr7	1.5E+08	150047373	+	5.267E-30	3.16479E-28	0.380182	hyper	sig	chr7_150047373
chr13	98444233	98444233	+	5.275E-30	3.16942E-28	-0.23018	hypo	sig	chr13_98444233
chr11	65856053	65856053	+	5.282E-30	3.17335E-28	-0.274	hypo	sig	chr11_65856053
chr22	19937625	19937625	+	5.294E-30	3.18029E-28	-0.32038	hypo	sig	chr22_19937625
chr5	73444835	73444835	+	5.296E-30	3.18116E-28	0.308112	hyper	sig	chr5_73444835
chr10	43727037	43727037	+	5.31E-30	3.18941E-28	-0.28303	hypo	sig	chr10_43727037
chr12	84911989	84911989	+	5.31E-30	3.18941E-28	0.24985	hyper	sig	chr12_84911989

chr8	71558204	71558204	+	5.311E-30	3.18973E-28	0.215557	hyper	sig	chr8_71558204
chr14	21723591	21723591	+	5.32E-30	3.19422E-28	-0.27535	hypo	sig	chr14_21723591
chr7	27103799	27103799	+	5.319E-30	3.19422E-28	0.227787	hyper	sig	chr7_27103799
chr10	1.23E+08	123134588	+	5.321E-30	3.19489E-28	0.223825	hyper	sig	chr10_123134588
chr7	1.59E+08	158995478	+	5.33E-30	3.19984E-28	-0.28853	hypo	sig	chr7_158995478
chr16	24255618	24255618	+	5.331E-30	3.20028E-28	0.383879	hyper	sig	chr16_24255618
chr5	1.78E+08	178465882	+	5.341E-30	3.20615E-28	-0.26301	hypo	sig	chr5_178465882
chr4	95549818	95549818	+	5.373E-30	3.22505E-28	0.212359	hyper	sig	chr4_95549818
chr10	1.33E+08	132591935	+	5.385E-30	3.23151E-28	-0.3067	hypo	sig	chr10_132591935
chr6	32039865	32039865	+	5.385E-30	3.23151E-28	-0.25742	hypo	sig	chr6_32039865
chr19	39507604	39507604	+	5.394E-30	3.23668E-28	0.211571	hyper	sig	chr19_39507604
chr10	1.24E+08	123668317	+	5.408E-30	3.24487E-28	-0.32117	hypo	sig	chr10_123668317
chr11	32428302	32428302	+	5.419E-30	3.25122E-28	0.272351	hyper	sig	chr11_32428302
chr7	24285392	24285392	+	5.422E-30	3.25258E-28	0.294786	hyper	sig	chr7_24285392
chr3	79767604	79767604	+	5.453E-30	3.27095E-28	0.278941	hyper	sig	chr3_79767604
chr10	1.28E+08	127737634	+	5.466E-30	3.27866E-28	0.270985	hyper	sig	chr10_127737634
chr15	45704377	45704377	+	5.486E-30	3.28984E-28	0.261746	hyper	sig	chr15_45704377
chr8	55939679	55939679	+	5.488E-30	3.29086E-28	0.276464	hyper	sig	chr8_55939679
chr22	50045134	50045134	+	5.494E-30	3.29468E-28	-0.26628	hypo	sig	chr22_50045134
chr2	89611912	89611912	+	5.5E-30	3.29807E-28	0.314191	hyper	sig	chr2_89611912
chr7	44219138	44219138	+	5.502E-30	3.29863E-28	-0.2239	hypo	sig	chr7_44219138
chr6	467260	467260	+	5.509E-30	3.30233E-28	-0.24388	hypo	sig	chr6_467260
chr11	1.35E+08	134913610	+	5.534E-30	3.3171E-28	-0.22762	hypo	sig	chr11_134913610
chr8	1.42E+08	142180786	+	5.553E-30	3.32807E-28	-0.27131	hypo	sig	chr8_142180786
chr2	1.3E+08	130005970	+	5.606E-30	3.35977E-28	0.272048	hyper	sig	chr2_130005970
chr8	26048544	26048544	+	5.627E-30	3.3722E-28	0.271709	hyper	sig	chr8_26048544
chr7	988437	988437	+	5.642E-30	3.38075E-28	-0.27744	hypo	sig	chr7_988437
chr11	31825292	31825292	+	5.65E-30	3.38529E-28	0.266618	hyper	sig	chr11_31825292
chr15	26771644	26771644	+	5.657E-30	3.38891E-28	0.288135	hyper	sig	chr15_26771644
chr10	1.33E+08	133071037	+	5.675E-30	3.39986E-28	-0.24213	hypo	sig	chr10_133071037
chr17	82710791	82710791	+	5.681E-30	3.40326E-28	-0.22508	hypo	sig	chr17_82710791
chr8	60967854	60967854	+	5.701E-30	3.41473E-28	-0.3196	hypo	sig	chr8_60967854
chr12	24903227	24903227	+	5.779E-30	3.46096E-28	0.316582	hyper	sig	chr12_24903227
chr12	52679813	52679813	+	5.784E-30	3.46392E-28	-0.35992	hypo	sig	chr12_52679813
chr2	5691083	5691083	+	5.787E-30	3.46543E-28	0.2639	hyper	sig	chr2_5691083
chr5	1.41E+08	141421347	+	5.837E-30	3.49458E-28	0.230036	hyper	sig	chr5_141421347
chr6	1.34E+08	134176503	+	5.838E-30	3.49489E-28	0.27072	hyper	sig	chr6_134176503
chr14	64539233	64539233	+	5.851E-30	3.50209E-28	-0.27656	hypo	sig	chr14_64539233
chr15	89371979	89371979	+	5.851E-30	3.50209E-28	0.311068	hyper	sig	chr15_89371979
chr5	44388805	44388805	+	5.854E-30	3.50377E-28	0.232862	hyper	sig	chr5_44388805
chr10	594090	594090	+	5.859E-30	3.50632E-28	-0.26001	hypo	sig	chr10_594090
chr2	2.33E+08	233060386	+	5.859E-30	3.50632E-28	-0.29815	hypo	sig	chr2_233060386
chr13	27795377	27795377	+	5.882E-30	3.5195E-28	0.266725	hyper	sig	chr13_27795377
chr2	1.82E+08	181682630	+	5.901E-30	3.53072E-28	0.371117	hyper	sig	chr2_181682630
chr2	5696583	5696583	+	5.913E-30	3.5378E-28	0.363529	hyper	sig	chr2_5696583
chr16	1266469	1266469	+	5.932E-30	3.5486E-28	-0.22235	hypo	sig	chr16_1266469
chr15	25242782	25242782	+	5.933E-30	3.54895E-28	-0.2547	hypo	sig	chr15_25242782
chr1	16939021	16939021	+	5.95E-30	3.5587E-28	0.237041	hyper	sig	chr1_16939021
chr8	64379441	64379441	+	5.973E-30	3.57243E-28	0.299903	hyper	sig	chr8_64379441
chr5	2112293	2112293	+	5.979E-30	3.57605E-28	0.207486	hyper	sig	chr5_2112293
chr7	1.58E+08	158237893	+	5.981E-30	3.57694E-28	-0.26906	hypo	sig	chr7_158237893
chr9	96022537	96022537	+	6.021E-30	3.60009E-28	0.25739	hyper	sig	chr9_96022537
chr6	1.17E+08	117263483	+	6.031E-30	3.60615E-28	0.281372	hyper	sig	chr6_117263483
chr1	11526202	11526202	+	6.042E-30	3.61221E-28	-0.31312	hypo	sig	chr1_11526202
chr10	1.33E+08	133231379	+	6.045E-30	3.61379E-28	0.202973	hyper	sig	chr10_133231379
chr3	13637800	13637800	+	6.057E-30	3.62112E-28	-0.28044	hypo	sig	chr3_13637800

chr12	4809981	4809981	+	6.077E-30	3.63249E-28	0.274131	hyper	sig	chr12_4809981
chr3	87089248	87089248	+	6.08E-30	3.63379E-28	0.301695	hyper	sig	chr3_87089248
chr2	1.39E+08	138780148	+	6.08E-30	3.63404E-28	0.227877	hyper	sig	chr2_138780148
chr20	38674364	38674364	+	6.094E-30	3.64168E-28	0.284823	hyper	sig	chr20_38674364
chr12	98745624	98745624	+	6.097E-30	3.64341E-28	0.211949	hyper	sig	chr12_98745624
chr12	40692525	40692525	+	6.1E-30	3.64483E-28	0.230076	hyper	sig	chr12_40692525
chr17	82710881	82710881	+	6.101E-30	3.64499E-28	-0.30811	hypo	sig	chr17_82710881
chr1	1.57E+08	156897290	+	6.113E-30	3.65228E-28	-0.30813	hypo	sig	chr1_156897290
chr14	60506814	60506814	+	6.116E-30	3.65349E-28	0.27667	hyper	sig	chr14_60506814
chr3	1.25E+08	125141769	+	6.141E-30	3.6683E-28	0.397739	hyper	sig	chr3_125141769
chr10	1.28E+08	128214861	+	6.185E-30	3.69408E-28	-0.30471	hypo	sig	chr10_128214861
chr7	1.51E+08	151181333	+	6.197E-30	3.70113E-28	-0.25673	hypo	sig	chr7_151181333
chr19	52370129	52370129	+	6.233E-30	3.72231E-28	0.298306	hyper	sig	chr19_52370129
chr3	1.38E+08	137772046	+	6.241E-30	3.72698E-28	0.207722	hyper	sig	chr3_137772046
chr19	15189381	15189381	+	6.282E-30	3.75064E-28	-0.30331	hypo	sig	chr19_15189381
chr19	36331773	36331773	+	6.289E-30	3.75474E-28	0.290026	hyper	sig	chr19_36331773
chr11	1927726	1927726	+	6.291E-30	3.75557E-28	-0.28441	hypo	sig	chr11_1927726
chr11	1.11E+08	110712939	+	6.303E-30	3.76217E-28	0.201125	hyper	sig	chr11_110712939
chr3	13041934	13041934	+	6.302E-30	3.76217E-28	-0.23093	hypo	sig	chr3_13041934
chr5	1.35E+08	135038780	+	6.327E-30	3.7761E-28	0.236109	hyper	sig	chr5_135038780
chr5	1.73E+08	173245530	+	6.333E-30	3.77943E-28	0.285647	hyper	sig	chr5_173245530
chr1	1.19E+08	118986737	+	6.337E-30	3.78123E-28	0.259286	hyper	sig	chr1_118986737
chr1	2.28E+08	228341301	+	6.341E-30	3.78373E-28	-0.26077	hypo	sig	chr1_228341301
chr11	733205	733205	+	6.344E-30	3.78511E-28	-0.29726	hypo	sig	chr11_733205
chr10	22345270	22345270	+	6.351E-30	3.78876E-28	0.238968	hyper	sig	chr10_22345270
chr8	85438363	85438363	+	6.352E-30	3.78952E-28	0.289568	hyper	sig	chr8_85438363
chr11	27723125	27723125	+	6.365E-30	3.79711E-28	0.212444	hyper	sig	chr11_27723125
chr8	48735177	48735177	+	6.382E-30	3.80673E-28	0.272137	hyper	sig	chr8_48735177
chr17	48582473	48582473	+	6.39E-30	3.81143E-28	-0.26705	hypo	sig	chr17_48582473
chr16	67163807	67163807	+	6.42E-30	3.82877E-28	0.341116	hyper	sig	chr16_67163807
chr5	1.78E+08	177984744	+	6.427E-30	3.83287E-28	0.290608	hyper	sig	chr5_177984744
chr4	7193385	7193385	+	6.431E-30	3.83455E-28	0.232187	hyper	sig	chr4_7193385
chr10	1.33E+08	133226524	+	6.444E-30	3.84223E-28	-0.28421	hypo	sig	chr10_133226524
chr12	1.14E+08	114409769	+	6.445E-30	3.84235E-28	0.239019	hyper	sig	chr12_114409769
chr12	1.14E+08	114401077	+	6.454E-30	3.84776E-28	0.233028	hyper	sig	chr12_114401077
chr20	38674377	38674377	+	6.483E-30	3.86454E-28	0.30543	hyper	sig	chr20_38674377
chr7	986632	986632	+	6.488E-30	3.86738E-28	-0.20398	hypo	sig	chr7_986632
chr2	5692826	5692826	+	6.506E-30	3.87749E-28	0.320935	hyper	sig	chr2_5692826
chr8	66963138	66963138	+	6.511E-30	3.87995E-28	0.276828	hyper	sig	chr8_66963138
chr17	18645381	18645381	+	6.519E-30	3.8844E-28	-0.27592	hypo	sig	chr17_18645381
chr16	84226180	84226180	+	6.543E-30	3.89879E-28	-0.30076	hypo	sig	chr16_84226180
chr2	5696107	5696107	+	6.563E-30	3.91031E-28	0.281046	hyper	sig	chr2_5696107
chr13	35478938	35478938	+	6.582E-30	3.92134E-28	0.246418	hyper	sig	chr13_35478938
chr21	33072006	33072006	+	6.584E-30	3.92252E-28	0.210945	hyper	sig	chr21_33072006
chr1	1.44E+08	143905323	+	6.6E-30	3.93135E-28	0.215408	hyper	sig	chr1_143905323
chr2	1.19E+08	118842269	+	6.601E-30	3.93172E-28	0.261635	hyper	sig	chr2_118842269
chr16	89202307	89202307	+	6.616E-30	3.94067E-28	0.256012	hyper	sig	chr16_89202307
chr15	89384549	89384549	+	6.639E-30	3.95374E-28	-0.27489	hypo	sig	chr15_89384549
chr4	654800	654800	+	6.639E-30	3.95374E-28	-0.28874	hypo	sig	chr4_654800
chr12	1.31E+08	130716086	+	6.645E-30	3.95657E-28	0.277878	hyper	sig	chr12_130716086
chr19	18007984	18007984	+	6.661E-30	3.9661E-28	0.245391	hyper	sig	chr19_18007984
chr10	1.01E+08	101223756	+	6.664E-30	3.96703E-28	0.244393	hyper	sig	chr10_101223756
chr6	57800274	57800274	+	6.669E-30	3.97017E-28	0.289934	hyper	sig	chr6_57800274
chr5	1.29E+08	128965567	+	6.694E-30	3.98456E-28	0.291271	hyper	sig	chr5_128965567
chr4	10461279	10461279	+	6.73E-30	4.00554E-28	0.338994	hyper	sig	chr4_10461279
chr10	27745318	27745318	+	6.736E-30	4.00895E-28	0.346873	hyper	sig	chr10_27745318

chr11	32436223	32436223	+	6.745E-30	4.01348E-28	0.228212	hyper	sig	chr11_32436223
chr15	26970871	26970871	+	6.749E-30	4.01598E-28	0.290211	hyper	sig	chr15_26970871
chr14	36663398	36663398	+	6.813E-30	4.05347E-28	0.239568	hyper	sig	chr14_36663398
chr5	1.39E+08	139393604	+	6.818E-30	4.05661E-28	0.297576	hyper	sig	chr5_139393604
chr3	62377470	62377470	+	6.822E-30	4.05814E-28	0.322152	hyper	sig	chr3_62377470
chr2	68319935	68319935	+	6.908E-30	4.10882E-28	0.347723	hyper	sig	chr2_68319935
chr7	27106832	27106832	+	6.922E-30	4.11692E-28	0.246445	hyper	sig	chr7_27106832
chr3	1.47E+08	147413305	+	6.935E-30	4.12451E-28	0.292036	hyper	sig	chr3_147413305
chr11	1410603	1410603	+	6.943E-30	4.12858E-28	-0.22853	hypo	sig	chr11_1410603
chr16	48959222	48959222	+	6.943E-30	4.12858E-28	-0.31602	hypo	sig	chr16_48959222
chr5	1.81E+08	180609399	+	6.971E-30	4.14473E-28	-0.26483	hypo	sig	chr5_180609399
chr4	13535329	13535329	+	6.979E-30	4.14949E-28	0.270172	hyper	sig	chr4_13535329
chr8	64370706	64370706	+	6.99E-30	4.15577E-28	0.253782	hyper	sig	chr8_64370706
chr13	23160609	23160609	+	6.994E-30	4.15772E-28	0.382421	hyper	sig	chr13_23160609
chr7	27103619	27103619	+	7.022E-30	4.17421E-28	0.297917	hyper	sig	chr7_27103619
chr15	89410058	89410058	+	7.026E-30	4.17629E-28	0.278505	hyper	sig	chr15_89410058
chr11	65879141	65879141	+	7.034E-30	4.18044E-28	-0.23475	hypo	sig	chr11_65879141
chr3	62368856	62368856	+	7.041E-30	4.18443E-28	0.258863	hyper	sig	chr3_62368856
chr4	44447679	44447679	+	7.044E-30	4.18592E-28	0.301992	hyper	sig	chr4_44447679
chr10	1.32E+08	132248190	+	7.045E-30	4.18614E-28	-0.23162	hypo	sig	chr10_132248190
chr4	1.76E+08	176065879	+	7.046E-30	4.18648E-28	0.229083	hyper	sig	chr4_176065879
chr11	32439090	32439090	+	7.054E-30	4.19065E-28	0.241902	hyper	sig	chr11_32439090
chr13	1.14E+08	114082254	+	7.054E-30	4.1908E-28	0.215023	hyper	sig	chr13_114082254
chr12	1795351	1795351	+	7.09E-30	4.21136E-28	-0.26808	hypo	sig	chr12_1795351
chr10	1.01E+08	100519926	+	7.105E-30	4.22009E-28	0.314275	hyper	sig	chr10_100519926
chr3	1.19E+08	119462068	+	7.127E-30	4.23282E-28	-0.29057	hypo	sig	chr3_119462068
chr10	1.3E+08	129510991	+	7.184E-30	4.26644E-28	0.275498	hyper	sig	chr10_129510991
chr6	32058854	32058854	+	7.199E-30	4.27508E-28	-0.30129	hypo	sig	chr6_32058854
chr10	1.16E+08	116127686	+	7.222E-30	4.28804E-28	-0.30851	hypo	sig	chr10_116127686
chr16	88133305	88133305	+	7.232E-30	4.29381E-28	-0.23446	hypo	sig	chr16_88133305
chr16	75116921	75116921	+	7.248E-30	4.30279E-28	-0.23878	hypo	sig	chr16_75116921
chr16	51151106	51151106	+	7.266E-30	4.31355E-28	0.439971	hyper	sig	chr16_51151106
chr3	62377791	62377791	+	7.308E-30	4.33767E-28	0.296845	hyper	sig	chr3_62377791
chr8	71558499	71558499	+	7.31E-30	4.33824E-28	0.281004	hyper	sig	chr8_71558499
chr1	2.44E+08	243917479	+	7.315E-30	4.34097E-28	0.213676	hyper	sig	chr1_243917479
chr1	1.47E+08	147078884	+	7.316E-30	4.34159E-28	0.273055	hyper	sig	chr1_147078884
chr1	1.44E+08	143905615	+	7.317E-30	4.34176E-28	0.237214	hyper	sig	chr1_143905615
chr8	23706503	23706503	+	7.341E-30	4.35505E-28	0.28048	hyper	sig	chr8_23706503
chr14	60485565	60485565	+	7.345E-30	4.35733E-28	0.35972	hyper	sig	chr14_60485565
chr15	25863567	25863567	+	7.374E-30	4.37448E-28	0.295636	hyper	sig	chr15_25863567
chr7	1761847	1761847	+	7.378E-30	4.37651E-28	-0.36261	hypo	sig	chr7_1761847
chr16	56190820	56190820	+	7.398E-30	4.38766E-28	0.203756	hyper	sig	chr16_56190820
chr12	84912020	84912020	+	7.399E-30	4.38798E-28	0.331723	hyper	sig	chr12_84912020
chr2	1.92E+08	192194895	+	7.412E-30	4.39541E-28	0.26928	hyper	sig	chr2_192194895
chr2	1.15E+08	115162644	+	7.428E-30	4.40462E-28	0.264092	hyper	sig	chr2_115162644
chr20	45316753	45316753	+	7.444E-30	4.41385E-28	0.303867	hyper	sig	chr20_45316753
chr6	28447309	28447309	+	7.455E-30	4.42028E-28	0.376366	hyper	sig	chr6_28447309
chr1	1.57E+08	156845162	+	7.47E-30	4.42846E-28	0.242103	hyper	sig	chr1_156845162
chr10	1.32E+08	132375228	+	7.481E-30	4.43508E-28	-0.2236	hypo	sig	chr10_132375228
chr14	60510640	60510640	+	7.484E-30	4.43646E-28	0.256775	hyper	sig	chr14_60510640
chr3	43997797	43997797	+	7.509E-30	4.45072E-28	0.202256	hyper	sig	chr3_43997797
chr12	1.21E+08	120583898	+	7.516E-30	4.45455E-28	-0.26697	hypo	sig	chr12_120583898
chr2	2.06E+08	205686520	+	7.518E-30	4.45526E-28	0.302464	hyper	sig	chr2_205686520
chr13	78596904	78596904	+	7.546E-30	4.47177E-28	0.20121	hyper	sig	chr13_78596904
chr17	78993561	78993561	+	7.557E-30	4.47779E-28	-0.22703	hypo	sig	chr17_78993561
chr16	88818625	88818625	+	7.559E-30	4.4788E-28	-0.24377	hypo	sig	chr16_88818625

chr6	28635390	28635390	+	7.567E-30	4.48316E-28	0.238744	hyper	sig	chr6_28635390
chr7	15687973	15687973	+	7.576E-30	4.48808E-28	0.236786	hyper	sig	chr7_15687973
chr14	1.04E+08	104422724	+	7.595E-30	4.49941E-28	0.274096	hyper	sig	chr14_104422724
chr7	97022792	97022792	+	7.61E-30	4.50782E-28	0.244547	hyper	sig	chr7_97022792
chr2	89611914	89611914	+	7.646E-30	4.52891E-28	0.319473	hyper	sig	chr2_89611914
chr10	93065851	93065851	+	7.659E-30	4.53598E-28	0.275045	hyper	sig	chr10_93065851
chr8	64587277	64587277	+	7.677E-30	4.5461E-28	0.290764	hyper	sig	chr8_64587277
chr11	67442606	67442606	+	7.693E-30	4.55534E-28	-0.21051	hypo	sig	chr11_67442606
chr5	37840686	37840686	+	7.71E-30	4.56497E-28	0.214488	hyper	sig	chr5_37840686
chr7	45575799	45575799	+	7.722E-30	4.57209E-28	0.218133	hyper	sig	chr7_45575799
chr20	63481750	63481750	+	7.75E-30	4.58813E-28	-0.28962	hypo	sig	chr20_63481750
chr7	27108606	27108606	+	7.762E-30	4.59528E-28	0.292703	hyper	sig	chr7_27108606
chr1	38044456	38044456	+	7.776E-30	4.60239E-28	0.256479	hyper	sig	chr1_38044456
chr17	34157042	34157042	+	7.779E-30	4.60424E-28	0.273427	hyper	sig	chr17_34157042
chr17	56597849	56597849	+	7.783E-30	4.60613E-28	0.212811	hyper	sig	chr17_56597849
chr12	1.14E+08	113669930	+	7.79E-30	4.61002E-28	0.273532	hyper	sig	chr12_113669930
chr3	1.82E+08	181726825	+	7.798E-30	4.61419E-28	0.241125	hyper	sig	chr3_181726825
chr1	6088993	6088993	+	7.802E-30	4.61632E-28	-0.2615	hypo	sig	chr1_6088993
chr16	86513918	86513918	+	7.825E-30	4.62934E-28	0.338396	hyper	sig	chr16_86513918
chr14	24132479	24132479	+	7.829E-30	4.63182E-28	-0.27546	hypo	sig	chr14_24132479
chr5	1.41E+08	140882657	+	7.846E-30	4.64161E-28	0.287145	hyper	sig	chr5_140882657
chr6	98824108	98824108	+	7.854E-30	4.64579E-28	0.317481	hyper	sig	chr6_98824108
chr13	24932071	24932071	+	7.884E-30	4.66341E-28	0.274474	hyper	sig	chr13_24932071
chr5	1.71E+08	171308364	+	7.892E-30	4.66755E-28	0.281316	hyper	sig	chr5_171308364
chr1	47439834	47439834	+	7.926E-30	4.68754E-28	0.303123	hyper	sig	chr1_47439834
chr16	974838	974838	+	7.931E-30	4.69007E-28	-0.28256	hypo	sig	chr16_974838
chr16	7304454	7304454	+	7.933E-30	4.69067E-28	0.278754	hyper	sig	chr16_7304454
chr19	33622549	33622549	+	7.944E-30	4.69675E-28	0.261331	hyper	sig	chr19_33622549
chr20	40688554	40688554	+	7.949E-30	4.69982E-28	0.228408	hyper	sig	chr20_40688554
chr15	90869967	90869967	+	7.966E-30	4.70903E-28	-0.31837	hypo	sig	chr15_90869967
chr13	1.08E+08	107866063	+	7.975E-30	4.71374E-28	0.301436	hyper	sig	chr13_107866063
chr1	18632379	18632379	+	7.989E-30	4.7221E-28	0.235885	hyper	sig	chr1_18632379
chr15	52801230	52801230	+	8.019E-30	4.739E-28	0.21108	hyper	sig	chr15_52801230
chr19	861869	861869	+	8.037E-30	4.74901E-28	-0.2867	hypo	sig	chr19_861869
chr7	85186261	85186261	+	8.069E-30	4.76795E-28	0.322774	hyper	sig	chr7_85186261
chr2	2.18E+08	218382332	+	8.071E-30	4.76883E-28	-0.27539	hypo	sig	chr2_218382332
chr4	1.9E+08	190020541	+	8.081E-30	4.77403E-28	0.280488	hyper	sig	chr4_190020541
chr5	19988279	19988279	+	8.082E-30	4.77435E-28	0.287748	hyper	sig	chr5_19988279
chr21	45303252	45303252	+	8.12E-30	4.79624E-28	-0.26322	hypo	sig	chr21_45303252
chr7	50093582	50093582	+	8.146E-30	4.81142E-28	-0.28087	hypo	sig	chr7_50093582
chr13	57629733	57629733	+	8.192E-30	4.83804E-28	0.399112	hyper	sig	chr13_57629733
chr17	35487810	35487810	+	8.254E-30	4.87454E-28	0.223904	hyper	sig	chr17_35487810
chr6	10425430	10425430	+	8.264E-30	4.87991E-28	0.251592	hyper	sig	chr6_10425430
chr11	31825265	31825265	+	8.266E-30	4.8807E-28	0.269091	hyper	sig	chr11_31825265
chr18	69402896	69402896	+	8.29E-30	4.89469E-28	0.226938	hyper	sig	chr18_69402896
chr14	94774107	94774107	+	8.324E-30	4.91448E-28	0.261658	hyper	sig	chr14_94774107
chr6	50707875	50707875	+	8.334E-30	4.92029E-28	0.261557	hyper	sig	chr6_50707875
chr15	82681074	82681074	+	8.376E-30	4.94437E-28	0.355438	hyper	sig	chr15_82681074
chr16	51149478	51149478	+	8.411E-30	4.96457E-28	0.314681	hyper	sig	chr16_51149478
chr5	67166099	67166099	+	8.432E-30	4.97665E-28	-0.23099	hypo	sig	chr5_67166099
chr11	86195391	86195391	+	8.434E-30	4.97769E-28	-0.2651	hypo	sig	chr11_86195391
chr5	71719111	71719111	+	8.462E-30	4.99397E-28	0.36617	hyper	sig	chr5_71719111
chr11	32434154	32434154	+	8.477E-30	5.00245E-28	0.260046	hyper	sig	chr11_32434154
chr6	28775797	28775797	+	8.48E-30	5.00351E-28	0.289799	hyper	sig	chr6_28775797
chr14	56810113	56810113	+	8.514E-30	5.02351E-28	0.344107	hyper	sig	chr14_56810113
chr4	1.55E+08	155209016	+	8.544E-30	5.04021E-28	0.301411	hyper	sig	chr4_155209016

chr6	1.37E+08	137494435	+	8.556E-30	5.04718E-28	0.254493	hyper	sig	chr6_137494435
chr10	1.33E+08	133165813	+	8.572E-30	5.05637E-28	-0.24735	hypo	sig	chr10_133165813
chr7	85186236	85186236	+	8.586E-30	5.06407E-28	0.307085	hyper	sig	chr7_85186236
chr20	64023198	64023198	+	8.594E-30	5.06829E-28	0.214472	hyper	sig	chr20_64023198
chr1	8121486	8121486	+	8.609E-30	5.07667E-28	-0.34976	hypo	sig	chr1_8121486
chr11	66011520	66011520	+	8.7E-30	5.12999E-28	-0.31143	hypo	sig	chr11_66011520
chr4	41879829	41879829	+	8.701E-30	5.13041E-28	0.256787	hyper	sig	chr4_41879829
chr13	50132867	50132867	+	8.702E-30	5.13077E-28	0.290839	hyper	sig	chr13_50132867
chr14	85529327	85529327	+	8.711E-30	5.13549E-28	0.312933	hyper	sig	chr14_85529327
chr12	54047725	54047725	+	8.729E-30	5.14573E-28	0.288317	hyper	sig	chr12_54047725
chr6	28865712	28865712	+	8.782E-30	5.17687E-28	-0.36347	hypo	sig	chr6_28865712
chr16	67165646	67165646	+	8.802E-30	5.18784E-28	0.298279	hyper	sig	chr16_67165646
chr13	1.12E+08	112074104	+	8.84E-30	5.21003E-28	0.257514	hyper	sig	chr13_112074104
chr21	43721005	43721005	+	8.847E-30	5.21373E-28	-0.2686	hypo	sig	chr21_43721005
chr4	1.74E+08	173524212	+	8.869E-30	5.22616E-28	0.251323	hyper	sig	chr4_173524212
chr4	1.57E+08	157222637	+	8.872E-30	5.22757E-28	0.290488	hyper	sig	chr4_157222637
chr6	28447003	28447003	+	8.927E-30	5.25951E-28	0.27292	hyper	sig	chr6_28447003
chr7	1.58E+08	158253578	+	8.941E-30	5.26777E-28	-0.24609	hypo	sig	chr7_158253578
chr19	37251892	37251892	+	8.947E-30	5.27088E-28	0.305362	hyper	sig	chr19_37251892
chr12	4909496	4909496	+	8.964E-30	5.28041E-28	0.315845	hyper	sig	chr12_4909496
chr18	25349268	25349268	+	8.98E-30	5.28958E-28	0.276904	hyper	sig	chr18_25349268
chr4	622945	622945	+	8.981E-30	5.28982E-28	-0.30301	hypo	sig	chr4_622945
chr1	2.07E+08	207051644	+	8.986E-30	5.29214E-28	-0.28224	hypo	sig	chr1_207051644
chr16	54940052	54940052	+	8.988E-30	5.29278E-28	0.272751	hyper	sig	chr16_54940052
chr11	20597500	20597500	+	8.989E-30	5.29301E-28	0.271675	hyper	sig	chr11_20597500
chr4	622676	622676	+	8.99E-30	5.29358E-28	-0.27659	hypo	sig	chr4_622676
chr19	18008220	18008220	+	9.01E-30	5.30422E-28	0.206712	hyper	sig	chr19_18008220
chr19	43624897	43624897	+	9.009E-30	5.30422E-28	-0.28657	hypo	sig	chr19_43624897
chr11	20597492	20597492	+	9.021E-30	5.31068E-28	0.262472	hyper	sig	chr11_20597492
chr8	84184915	84184915	+	9.041E-30	5.32193E-28	0.274451	hyper	sig	chr8_84184915
chr5	1.41E+08	141387725	+	9.085E-30	5.3469E-28	0.226527	hyper	sig	chr5_141387725
chr7	1.56E+08	155803658	+	9.104E-30	5.35764E-28	0.290455	hyper	sig	chr7_155803658
chr15	85793400	85793400	+	9.111E-30	5.36137E-28	-0.28197	hypo	sig	chr15_85793400
chr5	1.14E+08	114055944	+	9.121E-30	5.36671E-28	0.278294	hyper	sig	chr5_114055944
chr11	79438882	79438882	+	9.125E-30	5.36874E-28	0.220751	hyper	sig	chr11_79438882
chr17	58157436	58157436	+	9.136E-30	5.37473E-28	0.27944	hyper	sig	chr17_58157436
chr8	49909951	49909951	+	9.221E-30	5.42426E-28	0.225046	hyper	sig	chr8_49909951
chr7	92608848	92608848	+	9.228E-30	5.4281E-28	-0.28367	hypo	sig	chr7_92608848
chr3	1.47E+08	147424600	+	9.237E-30	5.43316E-28	0.269584	hyper	sig	chr3_147424600
chr6	1.34E+08	134176492	+	9.265E-30	5.44922E-28	0.268976	hyper	sig	chr6_134176492
chr19	40224570	40224570	+	9.314E-30	5.47704E-28	-0.36742	hypo	sig	chr19_40224570
chr14	77140529	77140529	+	9.322E-30	5.48129E-28	0.283033	hyper	sig	chr14_77140529
chr10	14602189	14602189	+	9.364E-30	5.50587E-28	-0.28229	hypo	sig	chr10_14602189
chr2	2.28E+08	228181626	+	9.381E-30	5.51518E-28	0.295126	hyper	sig	chr2_228181626
chr17	16683522	16683522	+	9.4E-30	5.52578E-28	0.286574	hyper	sig	chr17_16683522
chr19	53521235	53521235	+	9.411E-30	5.53225E-28	0.313229	hyper	sig	chr19_53521235
chr12	89350678	89350678	+	9.523E-30	5.59653E-28	-0.22569	hypo	sig	chr12_89350678
chr16	1044653	1044653	+	9.526E-30	5.59831E-28	-0.27018	hypo	sig	chr16_1044653
chr10	1.33E+08	133230052	+	9.54E-30	5.60581E-28	0.279974	hyper	sig	chr10_133230052
chr20	21517458	21517458	+	9.562E-30	5.61826E-28	0.338889	hyper	sig	chr20_21517458
chr5	1.35E+08	135038817	+	9.577E-30	5.62664E-28	0.27948	hyper	sig	chr5_135038817
chr6	1.17E+08	116765833	+	9.585E-30	5.63076E-28	0.209506	hyper	sig	chr6_116765833
chr8	23703134	23703134	+	9.61E-30	5.64473E-28	0.238181	hyper	sig	chr8_23703134
chr17	77233702	77233702	+	9.615E-30	5.64722E-28	-0.32469	hypo	sig	chr17_77233702
chr11	94769709	94769709	+	9.64E-30	5.66196E-28	0.240126	hyper	sig	chr11_94769709
chr14	77026445	77026445	+	9.656E-30	5.6709E-28	0.241114	hyper	sig	chr14_77026445

chr2	2.38E+08	238108514	+	9.67E-30	5.67859E-28	-0.34071	hypo	sig	chr2_238108514
chr19	49043647	49043647	+	9.672E-30	5.67936E-28	-0.33554	hypo	sig	chr19_49043647
chr4	13525069	13525069	+	9.673E-30	5.67952E-28	0.233108	hyper	sig	chr4_13525069
chr1	3063572	3063572	+	9.678E-30	5.68211E-28	0.258599	hyper	sig	chr1_3063572
chr5	1.16E+08	115961984	+	9.7E-30	5.6946E-28	0.295401	hyper	sig	chr5_115961984
chr13	44815908	44815908	+	9.712E-30	5.70121E-28	-0.29303	hypo	sig	chr13_44815908
chr15	81418767	81418767	+	9.722E-30	5.70636E-28	-0.33261	hypo	sig	chr15_81418767
chr5	1.29E+08	128538023	+	9.723E-30	5.70654E-28	0.300153	hyper	sig	chr5_128538023
chr7	90118760	90118760	+	9.725E-30	5.70771E-28	0.206642	hyper	sig	chr7_90118760
chr19	23117264	23117264	+	9.764E-30	5.72986E-28	0.208276	hyper	sig	chr19_23117264
chr12	1.15E+08	114735912	+	9.765E-30	5.73045E-28	0.322924	hyper	sig	chr12_114735912
chr3	1.85E+08	184583492	+	9.769E-30	5.73227E-28	0.32894	hyper	sig	chr3_184583492
chr17	35448650	35448650	+	9.781E-30	5.73888E-28	0.277724	hyper	sig	chr17_35448650
chr2	11612861	11612861	+	9.822E-30	5.76225E-28	-0.3098	hypo	sig	chr2_11612861
chr2	31139360	31139360	+	9.827E-30	5.76496E-28	-0.2584	hypo	sig	chr2_31139360
chr2	1.3E+08	130037808	+	9.841E-30	5.77254E-28	0.275907	hyper	sig	chr2_130037808
chr19	49038823	49038823	+	9.851E-30	5.77843E-28	-0.32965	hypo	sig	chr19_49038823
chr9	62800114	62800114	+	9.857E-30	5.78139E-28	0.227387	hyper	sig	chr9_62800114
chr12	54014928	54014928	+	9.89E-30	5.80045E-28	0.337002	hyper	sig	chr12_54014928
chr7	8444105	8444105	+	9.902E-30	5.80705E-28	0.312412	hyper	sig	chr7_8444105
chr1	1.19E+08	119006613	+	9.933E-30	5.82332E-28	0.236126	hyper	sig	chr1_119006613
chr11	67665198	67665198	+	9.931E-30	5.82332E-28	-0.2673	hypo	sig	chr11_67665198
chr20	24470785	24470785	+	9.933E-30	5.82332E-28	0.205541	hyper	sig	chr20_24470785
chr4	1.74E+08	173527554	+	9.932E-30	5.82332E-28	0.285827	hyper	sig	chr4_173527554
chr4	13525098	13525098	+	9.98E-30	5.85016E-28	0.250183	hyper	sig	chr4_13525098
chr7	1.58E+08	157796037	+	1.002E-29	5.87539E-28	-0.33921	hypo	sig	chr7_157796037
chr14	1.04E+08	104223883	+	1.004E-29	5.88646E-28	0.217447	hyper	sig	chr14_104223883
chr15	83284954	83284954	+	1.006E-29	5.89591E-28	0.258413	hyper	sig	chr15_83284954
chr3	1.2E+08	119810311	+	1.007E-29	5.89899E-28	0.244872	hyper	sig	chr3_119810311
chr10	1.33E+08	133029147	+	1.008E-29	5.90535E-28	-0.29911	hypo	sig	chr10_133029147
chr20	21103782	21103782	+	1.01E-29	5.91657E-28	0.280516	hyper	sig	chr20_21103782
chr18	12254322	12254322	+	1.01E-29	5.91673E-28	0.24592	hyper	sig	chr18_12254322
chr16	86087868	86087868	+	1.01E-29	5.91821E-28	-0.27535	hypo	sig	chr16_86087868
chr6	84764708	84764708	+	1.011E-29	5.92383E-28	0.201079	hyper	sig	chr6_84764708
chr2	2.19E+08	219250552	+	1.016E-29	5.94879E-28	-0.2671	hypo	sig	chr2_219250552
chr10	7409290	7409290	+	1.017E-29	5.9569E-28	0.268081	hyper	sig	chr10_7409290
chr6	1.69E+08	169241137	+	1.018E-29	5.96092E-28	-0.2879	hypo	sig	chr6_169241137
chr1	3243158	3243158	+	1.022E-29	5.98221E-28	-0.3028	hypo	sig	chr1_3243158
chr1	54885150	54885150	+	1.022E-29	5.98449E-28	-0.30104	hypo	sig	chr1_54885150
chr2	61144977	61144977	+	1.027E-29	6.00945E-28	0.268382	hyper	sig	chr2_61144977
chr13	98474853	98474853	+	1.031E-29	6.03217E-28	-0.26895	hypo	sig	chr13_98474853
chr5	1.81E+08	181100531	+	1.031E-29	6.03217E-28	0.209817	hyper	sig	chr5_181100531
chr19	36973522	36973522	+	1.033E-29	6.04673E-28	0.34691	hyper	sig	chr19_36973522
chr2	44945113	44945113	+	1.037E-29	6.06673E-28	0.319119	hyper	sig	chr2_44945113
chr19	57614694	57614694	+	1.04E-29	6.08433E-28	0.285643	hyper	sig	chr19_57614694
chr6	99606228	99606228	+	1.046E-29	6.11917E-28	0.309472	hyper	sig	chr6_99606228
chr14	20510729	20510729	+	1.046E-29	6.12304E-28	-0.29608	hypo	sig	chr14_20510729
chr10	1.33E+08	132851593	+	1.05E-29	6.14131E-28	-0.32056	hypo	sig	chr10_132851593
chr14	28774209	28774209	+	1.052E-29	6.1535E-28	0.231172	hyper	sig	chr14_28774209
chr15	28832537	28832537	+	1.056E-29	6.17622E-28	0.273635	hyper	sig	chr15_28832537
chr1	3206572	3206572	+	1.057E-29	6.18087E-28	-0.2694	hypo	sig	chr1_3206572
chr17	65538408	65538408	+	1.058E-29	6.18783E-28	-0.35693	hypo	sig	chr17_65538408
chr2	1.15E+08	115162404	+	1.061E-29	6.20405E-28	0.279012	hyper	sig	chr2_115162404
chr19	57889206	57889206	+	1.062E-29	6.21148E-28	0.281227	hyper	sig	chr19_57889206
chr3	1.92E+08	192408325	+	1.062E-29	6.21237E-28	0.275857	hyper	sig	chr3_192408325
chr17	48579328	48579328	+	1.067E-29	6.24002E-28	-0.27507	hypo	sig	chr17_48579328

chr5	37838467	37838467	+	1.069E-29	6.25029E-28	0.248322	hyper	sig	chr5_37838467
chr15	83284015	83284015	+	1.07E-29	6.2529E-28	0.332372	hyper	sig	chr15_83284015
chr5	1.71E+08	171315326	+	1.07E-29	6.2552E-28	0.247641	hyper	sig	chr5_171315326
chr16	51150241	51150241	+	1.072E-29	6.26644E-28	0.286188	hyper	sig	chr16_51150241
chr14	1.01E+08	100885183	+	1.074E-29	6.27371E-28	-0.28085	hypo	sig	chr14_100885183
chr6	10382618	10382618	+	1.075E-29	6.27858E-28	0.290775	hyper	sig	chr6_10382618
chr3	72839336	72839336	+	1.076E-29	6.28523E-28	-0.31313	hypo	sig	chr3_72839336
chr3	87089250	87089250	+	1.078E-29	6.297E-28	0.303425	hyper	sig	chr3_87089250
chr22	17370983	17370983	+	1.081E-29	6.31747E-28	0.296452	hyper	sig	chr22_17370983
chr4	1.11E+08	110612667	+	1.082E-29	6.3183E-28	0.281062	hyper	sig	chr4_110612667
chr2	29920797	29920797	+	1.082E-29	6.31923E-28	0.294709	hyper	sig	chr2_29920797
chr12	54047692	54047692	+	1.082E-29	6.32199E-28	0.319981	hyper	sig	chr12_54047692
chr4	1.33E+08	133148223	+	1.085E-29	6.33864E-28	0.27048	hyper	sig	chr4_133148223
chr4	1.72E+08	171813291	+	1.09E-29	6.36527E-28	0.330053	hyper	sig	chr4_171813291
chr1	2.44E+08	243917761	+	1.093E-29	6.38444E-28	0.22932	hyper	sig	chr1_243917761
chr19	53308664	53308664	+	1.093E-29	6.38444E-28	0.267415	hyper	sig	chr19_53308664
chr8	1.03E+08	102738771	+	1.094E-29	6.38771E-28	-0.26835	hypo	sig	chr8_102738771
chr3	1.39E+08	138960734	+	1.097E-29	6.4054E-28	0.248743	hyper	sig	chr3_138960734
chr3	26622413	26622413	+	1.098E-29	6.40921E-28	0.314237	hyper	sig	chr3_26622413
chr11	1628743	1628743	+	1.098E-29	6.40999E-28	-0.23007	hypo	sig	chr11_1628743
chr17	82311185	82311185	+	1.104E-29	6.44145E-28	-0.29979	hypo	sig	chr17_82311185
chr8	2035263	2035263	+	1.104E-29	6.44145E-28	-0.24051	hypo	sig	chr8_2035263
chr6	1.17E+08	117263573	+	1.106E-29	6.45254E-28	0.266559	hyper	sig	chr6_117263573
chr5	88889581	88889581	+	1.107E-29	6.45712E-28	0.38375	hyper	sig	chr5_88889581
chr5	88673026	88673026	+	1.112E-29	6.48475E-28	0.265968	hyper	sig	chr5_88673026
chr10	1.01E+08	101228555	+	1.113E-29	6.49074E-28	0.21249	hyper	sig	chr10_101228555
chr12	81078398	81078398	+	1.117E-29	6.51727E-28	0.244254	hyper	sig	chr12_81078398
chr20	21514033	21514033	+	1.119E-29	6.52582E-28	0.2249	hyper	sig	chr20_21514033
chr16	54289037	54289037	+	1.12E-29	6.53001E-28	0.254605	hyper	sig	chr16_54289037
chr5	1.78E+08	178281556	+	1.12E-29	6.53335E-28	-0.25333	hypo	sig	chr5_178281556
chr19	36797849	36797849	+	1.121E-29	6.53659E-28	0.417036	hyper	sig	chr19_36797849
chr5	1640063	1640063	+	1.121E-29	6.53659E-28	-0.24718	hypo	sig	chr5_1640063
chr1	1.19E+08	118992224	+	1.132E-29	6.60177E-28	0.295869	hyper	sig	chr1_118992224
chr1	30921012	30921012	+	1.133E-29	6.60649E-28	-0.38232	hypo	sig	chr1_30921012
chr10	1.24E+08	123666097	+	1.136E-29	6.62131E-28	0.300759	hyper	sig	chr10_123666097
chr4	80265639	80265639	+	1.14E-29	6.64407E-28	0.229635	hyper	sig	chr4_80265639
chr4	1.74E+08	173531369	+	1.141E-29	6.65161E-28	0.251272	hyper	sig	chr4_173531369
chr15	25863670	25863670	+	1.144E-29	6.6671E-28	0.264634	hyper	sig	chr15_25863670
chr22	16602668	16602668	+	1.146E-29	6.67795E-28	0.292949	hyper	sig	chr22_16602668
chr2	44929801	44929801	+	1.147E-29	6.68198E-28	0.258356	hyper	sig	chr2_44929801
chr20	63066125	63066125	+	1.149E-29	6.69506E-28	-0.24183	hypo	sig	chr20_63066125
chr2	66582127	66582127	+	1.152E-29	6.71323E-28	0.249946	hyper	sig	chr2_66582127
chr5	1.35E+08	135327279	+	1.156E-29	6.73229E-28	0.230693	hyper	sig	chr5_135327279
chr2	394542	394542	+	1.158E-29	6.7483E-28	-0.2952	hypo	sig	chr2_394542
chr11	8169075	8169075	+	1.159E-29	6.74949E-28	0.242225	hyper	sig	chr11_8169075
chr5	1.41E+08	141408309	+	1.161E-29	6.76404E-28	0.291244	hyper	sig	chr5_141408309
chr2	1.29E+08	128899523	+	1.165E-29	6.78411E-28	-0.31648	hypo	sig	chr2_128899523
chr4	1349074	1349074	+	1.168E-29	6.80499E-28	-0.25987	hypo	sig	chr4_1349074
chr1	2496641	2496641	+	1.169E-29	6.80602E-28	-0.28597	hypo	sig	chr1_2496641
chr19	883875	883875	+	1.169E-29	6.80691E-28	-0.27283	hypo	sig	chr19_883875
chr16	11635301	11635301	+	1.171E-29	6.8206E-28	-0.39959	hypo	sig	chr16_11635301
chr11	66049122	66049122	+	1.172E-29	6.823E-28	0.34617	hyper	sig	chr11_66049122
chr8	49909940	49909940	+	1.174E-29	6.83325E-28	0.244545	hyper	sig	chr8_49909940
chr21	44011208	44011208	+	1.176E-29	6.84352E-28	-0.2938	hypo	sig	chr21_44011208
chr18	37567571	37567571	+	1.179E-29	6.86294E-28	0.311751	hyper	sig	chr18_37567571
chr7	45922264	45922264	+	1.179E-29	6.86353E-28	0.209197	hyper	sig	chr7_45922264

chr8	52940078	52940078	+	1.186E-29	6.90461E-28	0.314695	hyper	sig	chr8_52940078
chr13	1.14E+08	113669800	+	1.187E-29	6.90825E-28	-0.26272	hypo	sig	chr13_113669800
chr7	19117736	19117736	+	1.188E-29	6.91353E-28	0.221775	hyper	sig	chr7_19117736
chr9	1.31E+08	130919125	+	1.19E-29	6.92349E-28	-0.25776	hypo	sig	chr9_130919125
chr10	1.33E+08	133071088	+	1.19E-29	6.92553E-28	-0.29755	hypo	sig	chr10_133071088
chr16	1288323	1288323	+	1.192E-29	6.93459E-28	-0.28847	hypo	sig	chr16_1288323
chr13	1.1E+08	110307044	+	1.194E-29	6.944E-28	0.229337	hyper	sig	chr13_110307044
chr12	1.04E+08	104303690	+	1.205E-29	7.01003E-28	0.226714	hyper	sig	chr12_104303690
chr4	13525177	13525177	+	1.206E-29	7.01304E-28	0.29844	hyper	sig	chr4_13525177
chr16	85179286	85179286	+	1.208E-29	7.02345E-28	-0.27654	hypo	sig	chr16_85179286
chr3	27724741	27724741	+	1.217E-29	7.07913E-28	0.233193	hyper	sig	chr3_27724741
chr13	77919569	77919569	+	1.218E-29	7.08209E-28	0.216885	hyper	sig	chr13_77919569
chr7	27110619	27110619	+	1.218E-29	7.08525E-28	0.261995	hyper	sig	chr7_27110619
chr3	68931860	68931860	+	1.224E-29	7.11913E-28	0.27843	hyper	sig	chr3_68931860
chr7	2607372	2607372	+	1.232E-29	7.16421E-28	-0.23682	hypo	sig	chr7_2607372
chr6	1.5E+08	149964652	+	1.232E-29	7.16429E-28	0.239019	hyper	sig	chr6_149964652
chr10	90857405	90857405	+	1.233E-29	7.16711E-28	0.250572	hyper	sig	chr10_90857405
chr15	89409401	89409401	+	1.233E-29	7.16926E-28	0.264381	hyper	sig	chr15_89409401
chr19	56671664	56671664	+	1.235E-29	7.17882E-28	0.315247	hyper	sig	chr19_56671664
chr16	370043	370043	+	1.235E-29	7.17961E-28	0.229805	hyper	sig	chr16_370043
chr10	1.23E+08	123143770	+	1.235E-29	7.18017E-28	0.286196	hyper	sig	chr10_123143770
chr6	1.68E+08	167977948	+	1.238E-29	7.19581E-28	-0.26045	hypo	sig	chr6_167977948
chr13	37869497	37869497	+	1.243E-29	7.22388E-28	0.272998	hyper	sig	chr13_37869497
chr15	74748809	74748809	+	1.245E-29	7.23373E-28	-0.30436	hypo	sig	chr15_74748809
chr12	3493199	3493199	+	1.246E-29	7.24063E-28	0.235843	hyper	sig	chr12_3493199
chr1	2.28E+08	228006420	+	1.247E-29	7.24136E-28	0.30784	hyper	sig	chr1_228006420
chr14	60510180	60510180	+	1.251E-29	7.26953E-28	0.345507	hyper	sig	chr14_60510180
chr17	79692505	79692505	+	1.254E-29	7.28189E-28	-0.29041	hypo	sig	chr17_79692505
chr5	1.41E+08	141430772	+	1.254E-29	7.28189E-28	0.260379	hyper	sig	chr5_141430772
chr5	73298655	73298655	+	1.258E-29	7.30838E-28	0.291445	hyper	sig	chr5_73298655
chr22	37104619	37104619	+	1.259E-29	7.31142E-28	-0.28089	hypo	sig	chr22_37104619
chr1	1210442	1210442	+	1.263E-29	7.33549E-28	-0.3119	hypo	sig	chr1_1210442
chr14	28758717	28758717	+	1.266E-29	7.35358E-28	0.309114	hyper	sig	chr14_28758717
chr10	25934081	25934081	+	1.269E-29	7.36873E-28	0.334916	hyper	sig	chr10_25934081
chr3	1.58E+08	158095513	+	1.274E-29	7.39513E-28	0.321357	hyper	sig	chr3_158095513
chr3	26622718	26622718	+	1.277E-29	7.41563E-28	0.223446	hyper	sig	chr3_26622718
chr15	59995247	59995247	+	1.285E-29	7.46162E-28	0.269554	hyper	sig	chr15_59995247
chr10	11165938	11165938	+	1.29E-29	7.48851E-28	0.297147	hyper	sig	chr10_11165938
chr6	1.17E+08	117263557	+	1.294E-29	7.50903E-28	0.287018	hyper	sig	chr6_117263557
chr10	1.09E+08	108911865	+	1.3E-29	7.54499E-28	0.234705	hyper	sig	chr10_108911865
chr3	1.27E+08	127183051	+	1.304E-29	7.56571E-28	-0.26268	hypo	sig	chr3_127183051
chr16	55656306	55656306	+	1.305E-29	7.56981E-28	0.286873	hyper	sig	chr16_55656306
chr15	74434220	74434220	+	1.309E-29	7.59646E-28	0.273754	hyper	sig	chr15_74434220
chr17	44558412	44558412	+	1.313E-29	7.61834E-28	0.312607	hyper	sig	chr17_44558412
chr14	74239328	74239328	+	1.314E-29	7.62354E-28	0.247464	hyper	sig	chr14_74239328
chr12	1.1E+08	109588223	+	1.317E-29	7.64001E-28	-0.26605	hypo	sig	chr12_109588223
chr16	86578967	86578967	+	1.317E-29	7.64001E-28	0.31864	hyper	sig	chr16_86578967
chr13	42574159	42574159	+	1.324E-29	7.67943E-28	0.258785	hyper	sig	chr13_42574159
chr1	63320369	63320369	+	1.325E-29	7.68182E-28	0.244481	hyper	sig	chr1_63320369
chr10	1.3E+08	129969662	+	1.326E-29	7.68761E-28	0.258934	hyper	sig	chr10_129969662
chr3	48273484	48273484	+	1.326E-29	7.68761E-28	-0.3267	hypo	sig	chr3_48273484
chr3	62373980	62373980	+	1.327E-29	7.69169E-28	0.202886	hyper	sig	chr3_62373980
chr6	1E+08	100448158	+	1.346E-29	7.80315E-28	0.321683	hyper	sig	chr6_100448158
chr1	3063550	3063550	+	1.346E-29	7.8041E-28	0.256381	hyper	sig	chr1_3063550
chr16	86513938	86513938	+	1.352E-29	7.83802E-28	0.335695	hyper	sig	chr16_86513938
chr20	63123657	63123657	+	1.354E-29	7.84534E-28	-0.23638	hypo	sig	chr20_63123657

chr19	37251870	37251870	+	1.358E-29	7.86922E-28	0.326474	hyper	sig	chr19_37251870
chr5	1.75E+08	174732358	+	1.359E-29	7.87591E-28	0.356367	hyper	sig	chr5_174732358
chr1	90719690	90719690	+	1.36E-29	7.87739E-28	0.320186	hyper	sig	chr1_90719690
chr2	1.31E+08	131040077	+	1.36E-29	7.8805E-28	0.276734	hyper	sig	chr2_131040077
chr2	27496945	27496945	+	1.366E-29	7.91106E-28	-0.31327	hypo	sig	chr2_27496945
chr19	12156981	12156981	+	1.373E-29	7.95212E-28	0.201332	hyper	sig	chr19_12156981
chr2	2.33E+08	233060411	+	1.373E-29	7.95212E-28	-0.32214	hypo	sig	chr2_233060411
chr13	1.12E+08	112106870	+	1.375E-29	7.96282E-28	0.243932	hyper	sig	chr13_112106870
chr7	1.5E+08	149734176	+	1.375E-29	7.96282E-28	-0.29238	hypo	sig	chr7_149734176
chr7	35257416	35257416	+	1.376E-29	7.97091E-28	0.24892	hyper	sig	chr7_35257416
chr11	22432568	22432568	+	1.385E-29	8.01733E-28	0.296765	hyper	sig	chr11_22432568
chr2	1654447	1654447	+	1.387E-29	8.03087E-28	-0.34318	hypo	sig	chr2_1654447
chr5	1.14E+08	114056436	+	1.393E-29	8.06509E-28	0.260231	hyper	sig	chr5_114056436
chr11	72244146	72244146	+	1.396E-29	8.07994E-28	0.328851	hyper	sig	chr11_72244146
chr8	52941009	52941009	+	1.398E-29	8.09364E-28	0.23717	hyper	sig	chr8_52941009
chr6	50707897	50707897	+	1.401E-29	8.10774E-28	0.250803	hyper	sig	chr6_50707897
chr4	4858153	4858153	+	1.404E-29	8.12809E-28	0.313258	hyper	sig	chr4_4858153
chr11	69382516	69382516	+	1.405E-29	8.13039E-28	-0.2461	hypo	sig	chr11_69382516
chr5	1.77E+08	176887300	+	1.414E-29	8.18343E-28	-0.28991	hypo	sig	chr5_176887300
chr11	1.04E+08	104163474	+	1.415E-29	8.1903E-28	0.233475	hyper	sig	chr11_104163474
chr4	912162	912162	+	1.428E-29	8.26063E-28	-0.28087	hypo	sig	chr4_912162
chr1	1.19E+08	119008314	+	1.431E-29	8.27786E-28	0.313109	hyper	sig	chr1_119008314
chr1	20473277	20473277	+	1.432E-29	8.2868E-28	0.307577	hyper	sig	chr1_20473277
chr2	493506	493506	+	1.436E-29	8.30876E-28	-0.28056	hypo	sig	chr2_493506
chr7	97022916	97022916	+	1.443E-29	8.34361E-28	0.2118	hyper	sig	chr7_97022916
chr4	1.47E+08	146640739	+	1.446E-29	8.36094E-28	0.268919	hyper	sig	chr4_146640739
chr16	89056155	89056155	+	1.448E-29	8.37395E-28	-0.26454	hypo	sig	chr16_89056155
chr19	3785865	3785865	+	1.452E-29	8.39541E-28	0.268457	hyper	sig	chr19_3785865
chr4	1.58E+08	158171384	+	1.453E-29	8.39885E-28	0.28313	hyper	sig	chr4_158171384
chr12	1.03E+08	102961416	+	1.455E-29	8.41184E-28	0.265571	hyper	sig	chr12_102961416
chr2	1.72E+08	172080425	+	1.456E-29	8.41937E-28	0.238423	hyper	sig	chr2_172080425
chr3	1.94E+08	194376457	+	1.457E-29	8.42408E-28	-0.24385	hypo	sig	chr3_194376457
chr11	47337543	47337543	+	1.46E-29	8.43688E-28	-0.27986	hypo	sig	chr11_47337543
chr2	38038503	38038503	+	1.462E-29	8.45203E-28	0.314221	hyper	sig	chr2_38038503
chr4	13534942	13534942	+	1.464E-29	8.46258E-28	0.23508	hyper	sig	chr4_13534942
chr2	3632794	3632794	+	1.465E-29	8.46351E-28	-0.25859	hypo	sig	chr2_3632794
chr7	97026132	97026132	+	1.465E-29	8.46397E-28	0.256145	hyper	sig	chr7_97026132
chr10	3131373	3131373	+	1.467E-29	8.47732E-28	-0.3388	hypo	sig	chr10_3131373
chr1	1.71E+08	170660408	+	1.468E-29	8.479E-28	0.282766	hyper	sig	chr1_170660408
chr2	1.13E+08	113291291	+	1.469E-29	8.4856E-28	0.244387	hyper	sig	chr2_113291291
chr8	23707186	23707186	+	1.47E-29	8.49375E-28	0.246414	hyper	sig	chr8_23707186
chr13	57629880	57629880	+	1.479E-29	8.54181E-28	0.291451	hyper	sig	chr13_57629880
chr7	1.04E+08	103989101	+	1.483E-29	8.5645E-28	0.244065	hyper	sig	chr7_103989101
chr7	54542668	54542668	+	1.489E-29	8.59691E-28	0.321423	hyper	sig	chr7_54542668
chr15	55588938	55588938	+	1.497E-29	8.64171E-28	0.312289	hyper	sig	chr15_55588938
chr8	23702531	23702531	+	1.5E-29	8.66204E-28	0.28467	hyper	sig	chr8_23702531
chr8	64370752	64370752	+	1.506E-29	8.69396E-28	0.258435	hyper	sig	chr8_64370752
chr8	1E+08	100106320	+	1.514E-29	8.73949E-28	0.346194	hyper	sig	chr8_100106320
chr15	22949514	22949514	+	1.518E-29	8.76401E-28	-0.33429	hypo	sig	chr15_22949514
chr8	49911050	49911050	+	1.527E-29	8.81555E-28	0.286422	hyper	sig	chr8_49911050
chr5	1.46E+08	146342926	+	1.528E-29	8.81921E-28	0.265329	hyper	sig	chr5_146342926
chr4	41748345	41748345	+	1.531E-29	8.83501E-28	0.261056	hyper	sig	chr4_41748345
chr11	504937	504937	+	1.536E-29	8.8669E-28	0.250749	hyper	sig	chr11_504937
chr15	78764159	78764159	+	1.539E-29	8.87867E-28	-0.24842	hypo	sig	chr15_78764159
chr9	1.36E+08	135987794	+	1.546E-29	8.92158E-28	-0.26066	hypo	sig	chr9_135987794
chr1	90724448	90724448	+	1.548E-29	8.93376E-28	0.30646	hyper	sig	chr1_90724448

chr7	71133305	71133305	+	1.552E-29	8.9548E-28	0.305964	hyper	sig	chr7_71133305
chr4	7650208	7650208	+	1.552E-29	8.95558E-28	-0.23168	hypo	sig	chr4_7650208
chr20	24470130	24470130	+	1.554E-29	8.96436E-28	0.352647	hyper	sig	chr20_24470130
chr10	23200296	23200296	+	1.554E-29	8.96632E-28	0.351153	hyper	sig	chr10_23200296
chr1	69569454	69569454	+	1.556E-29	8.9764E-28	0.310209	hyper	sig	chr1_69569454
chr4	1349081	1349081	+	1.557E-29	8.98051E-28	-0.2653	hypo	sig	chr4_1349081
chr1	13583703	13583703	+	1.566E-29	9.03076E-28	0.210088	hyper	sig	chr1_13583703
chr19	53308684	53308684	+	1.569E-29	9.04579E-28	0.270025	hyper	sig	chr19_53308684
chr5	1.33E+08	132819541	+	1.569E-29	9.0466E-28	-0.27257	hypo	sig	chr5_132819541
chr10	1.05E+08	104641609	+	1.573E-29	9.07135E-28	0.329849	hyper	sig	chr10_104641609
chr6	41638701	41638701	+	1.576E-29	9.08656E-28	0.228208	hyper	sig	chr6_41638701
chr1	2.28E+08	228464529	+	1.579E-29	9.10473E-28	0.256644	hyper	sig	chr1_228464529
chr10	1.33E+08	133229979	+	1.581E-29	9.11465E-28	0.268528	hyper	sig	chr10_133229979
chr19	3039747	3039747	+	1.582E-29	9.11946E-28	-0.31682	hypo	sig	chr19_3039747
chr1	1.19E+08	119006617	+	1.583E-29	9.12038E-28	0.216178	hyper	sig	chr1_119006617
chr18	57439898	57439898	+	1.583E-29	9.12038E-28	0.204653	hyper	sig	chr18_57439898
chr5	45695199	45695199	+	1.584E-29	9.12896E-28	0.362779	hyper	sig	chr5_45695199
chr19	53308739	53308739	+	1.586E-29	9.13871E-28	0.281587	hyper	sig	chr19_53308739
chr8	55939683	55939683	+	1.59E-29	9.1614E-28	0.27245	hyper	sig	chr8_55939683
chr16	57802832	57802832	+	1.593E-29	9.1755E-28	0.29535	hyper	sig	chr16_57802832
chr10	3538895	3538895	+	1.596E-29	9.1954E-28	-0.25005	hypo	sig	chr10_3538895
chr6	98825712	98825712	+	1.597E-29	9.19799E-28	0.245781	hyper	sig	chr6_98825712
chr11	1.32E+08	131910490	+	1.599E-29	9.2068E-28	0.282945	hyper	sig	chr11_131910490
chr22	49634742	49634742	+	1.599E-29	9.20712E-28	-0.30441	hypo	sig	chr22_49634742
chr7	1.58E+08	158451027	+	1.605E-29	9.24248E-28	-0.26106	hypo	sig	chr7_158451027
chr11	30016211	30016211	+	1.61E-29	9.27126E-28	0.346034	hyper	sig	chr11_30016211
chr18	47248609	47248609	+	1.614E-29	9.29464E-28	0.252095	hyper	sig	chr18_47248609
chr11	20669388	20669388	+	1.618E-29	9.31338E-28	0.360033	hyper	sig	chr11_20669388
chr12	54000221	54000221	+	1.619E-29	9.32055E-28	0.213585	hyper	sig	chr12_54000221
chr14	75281638	75281638	+	1.621E-29	9.33397E-28	-0.31656	hypo	sig	chr14_75281638
chr7	1.51E+08	151410858	+	1.622E-29	9.33432E-28	0.305818	hyper	sig	chr7_151410858
chr12	85273939	85273939	+	1.624E-29	9.34899E-28	0.323654	hyper	sig	chr12_85273939
chr1	1.19E+08	118979567	+	1.626E-29	9.35988E-28	0.29722	hyper	sig	chr1_118979567
chr3	1.38E+08	137761959	+	1.628E-29	9.36907E-28	0.287676	hyper	sig	chr3_137761959
chr5	1.41E+08	140856383	+	1.632E-29	9.39221E-28	0.299441	hyper	sig	chr5_140856383
chr1	98049531	98049531	+	1.634E-29	9.40503E-28	0.237508	hyper	sig	chr1_98049531
chr4	80268716	80268716	+	1.648E-29	9.48045E-28	0.250605	hyper	sig	chr4_80268716
chr1	6146263	6146263	+	1.652E-29	9.50272E-28	-0.33431	hypo	sig	chr1_6146263
chr2	1686006	1686006	+	1.658E-29	9.53857E-28	-0.29151	hypo	sig	chr2_1686006
chr1	90725031	90725031	+	1.662E-29	9.55586E-28	0.291547	hyper	sig	chr1_90725031
chr15	34495719	34495719	+	1.666E-29	9.58089E-28	0.225176	hyper	sig	chr15_34495719
chr22	19892104	19892104	+	1.668E-29	9.59174E-28	-0.3068	hypo	sig	chr22_19892104
chr5	1.81E+08	181100549	+	1.673E-29	9.61713E-28	0.212394	hyper	sig	chr5_181100549
chr16	49278080	49278080	+	1.674E-29	9.62169E-28	0.321459	hyper	sig	chr16_49278080
chr2	2.42E+08	241985807	+	1.674E-29	9.62169E-28	-0.2961	hypo	sig	chr2_241985807
chr7	28410432	28410432	+	1.674E-29	9.62206E-28	0.280043	hyper	sig	chr7_28410432
chr4	1.09E+08	109302255	+	1.68E-29	9.65847E-28	0.300962	hyper	sig	chr4_109302255
chr19	36418920	36418920	+	1.687E-29	9.69698E-28	0.289835	hyper	sig	chr19_36418920
chr15	45704393	45704393	+	1.689E-29	9.70475E-28	0.248906	hyper	sig	chr15_45704393
chr14	69850165	69850165	+	1.69E-29	9.7145E-28	-0.33084	hypo	sig	chr14_69850165
chr16	3183068	3183068	+	1.691E-29	9.71563E-28	0.265881	hyper	sig	chr16_3183068
chr3	1.47E+08	147409926	+	1.691E-29	9.71607E-28	0.287324	hyper	sig	chr3_147409926
chr5	1.41E+08	141399825	+	1.692E-29	9.72367E-28	0.229705	hyper	sig	chr5_141399825
chr12	53966676	53966676	+	1.696E-29	9.74185E-28	0.275271	hyper	sig	chr12_53966676
chr11	686797	686797	+	1.698E-29	9.751E-28	-0.21628	hypo	sig	chr11_686797
chr6	1594249	1594249	+	1.699E-29	9.75928E-28	-0.31895	hypo	sig	chr6_1594249

chr22	31618401	31618401	+	1.706E-29	9.80014E-28	0.262117	hyper	sig	chr22_31618401
chr4	44447671	44447671	+	1.711E-29	9.82463E-28	0.298132	hyper	sig	chr4_44447671
chr1	2.21E+08	220884836	+	1.719E-29	9.87388E-28	0.216745	hyper	sig	chr1_220884836
chr5	45695185	45695185	+	1.72E-29	9.87427E-28	0.350118	hyper	sig	chr5_45695185
chr14	62117525	62117525	+	1.738E-29	9.98131E-28	0.206743	hyper	sig	chr14_62117525
chr5	1555676	1555676	+	1.743E-29	1.00091E-27	-0.31296	hypo	sig	chr5_1555676
chr8	98949938	98949938	+	1.747E-29	1.00311E-27	0.305425	hyper	sig	chr8_98949938
chr13	57629984	57629984	+	1.752E-29	1.00561E-27	0.355803	hyper	sig	chr13_57629984
chr12	34106181	34106181	+	1.752E-29	1.00566E-27	-0.28253	hypo	sig	chr12_34106181
chr2	44932755	44932755	+	1.756E-29	1.00778E-27	0.308121	hyper	sig	chr2_44932755
chr4	80267231	80267231	+	1.763E-29	1.01157E-27	0.217796	hyper	sig	chr4_80267231
chr7	1.59E+08	159112626	+	1.764E-29	1.0121E-27	0.252292	hyper	sig	chr7_159112626
chr14	1.05E+08	104728630	+	1.768E-29	1.01431E-27	-0.23663	hypo	sig	chr14_104728630
chr6	1.5E+08	149964559	+	1.771E-29	1.01637E-27	0.200916	hyper	sig	chr6_149964559
chr1	9652538	9652538	+	1.773E-29	1.01743E-27	0.237453	hyper	sig	chr1_9652538
chr1	1.47E+08	147072737	+	1.778E-29	1.02E-27	0.294445	hyper	sig	chr1_147072737
chr17	4785384	4785384	+	1.782E-29	1.02198E-27	0.254992	hyper	sig	chr17_4785384
chr15	83107085	83107085	+	1.784E-29	1.02314E-27	0.219931	hyper	sig	chr15_83107085
chr1	1.19E+08	119007224	+	1.788E-29	1.02552E-27	0.34709	hyper	sig	chr1_119007224
chr17	35487804	35487804	+	1.792E-29	1.02757E-27	0.22209	hyper	sig	chr17_35487804
chr6	1.46E+08	146029447	+	1.793E-29	1.02805E-27	0.286575	hyper	sig	chr6_146029447
chr13	35475279	35475279	+	1.794E-29	1.02871E-27	0.267717	hyper	sig	chr13_35475279
chr1	76867453	76867453	+	1.795E-29	1.02907E-27	0.221449	hyper	sig	chr1_76867453
chr12	53960823	53960823	+	1.798E-29	1.03067E-27	0.238544	hyper	sig	chr12_53960823
chr7	1235644	1235644	+	1.802E-29	1.033E-27	0.243683	hyper	sig	chr7_1235644
chr1	3579153	3579153	+	1.808E-29	1.03629E-27	-0.27397	hypo	sig	chr1_3579153
chr14	28774551	28774551	+	1.819E-29	1.0426E-27	0.263517	hyper	sig	chr14_28774551
chr1	23949346	23949346	+	1.821E-29	1.04375E-27	-0.30293	hypo	sig	chr1_23949346
chr2	1.19E+08	118845557	+	1.821E-29	1.04375E-27	0.272791	hyper	sig	chr2_118845557
chr7	1.18E+08	118214607	+	1.821E-29	1.04376E-27	0.217719	hyper	sig	chr7_118214607
chr12	54019325	54019325	+	1.823E-29	1.04474E-27	0.318254	hyper	sig	chr12_54019325
chr6	1.01E+08	101403407	+	1.825E-29	1.04572E-27	0.24177	hyper	sig	chr6_101403407
chr6	1.59E+08	159129238	+	1.827E-29	1.04658E-27	-0.28541	hypo	sig	chr6_159129238
chr2	10331262	10331262	+	1.83E-29	1.04842E-27	-0.20249	hypo	sig	chr2_10331262
chr18	11752144	11752144	+	1.837E-29	1.0521E-27	0.323339	hyper	sig	chr18_11752144
chr1	50417238	50417238	+	1.84E-29	1.054E-27	0.212224	hyper	sig	chr1_50417238
chr7	97018590	97018590	+	1.845E-29	1.05648E-27	0.371253	hyper	sig	chr7_97018590
chr1	20553047	20553047	+	1.848E-29	1.05813E-27	0.324421	hyper	sig	chr1_20553047
chr10	1.33E+08	133100099	+	1.848E-29	1.05821E-27	-0.26298	hypo	sig	chr10_133100099
chr17	48727047	48727047	+	1.851E-29	1.05971E-27	0.277558	hyper	sig	chr17_48727047
chr16	85179360	85179360	+	1.853E-29	1.06105E-27	-0.25708	hypo	sig	chr16_85179360
chr5	1.46E+08	146338928	+	1.859E-29	1.06405E-27	0.230569	hyper	sig	chr5_146338928
chr2	1.13E+08	113275783	+	1.866E-29	1.06838E-27	0.283516	hyper	sig	chr2_113275783
chr1	1.19E+08	118986617	+	1.867E-29	1.0689E-27	0.269076	hyper	sig	chr1_118986617
chr4	26061455	26061455	+	1.87E-29	1.07066E-27	-0.25008	hypo	sig	chr4_26061455
chr4	1.55E+08	154742709	+	1.872E-29	1.07131E-27	0.244109	hyper	sig	chr4_154742709
chr7	19117555	19117555	+	1.874E-29	1.07226E-27	0.241261	hyper	sig	chr7_19117555
chr7	2567186	2567186	+	1.883E-29	1.07739E-27	0.276357	hyper	sig	chr7_2567186
chr1	26411656	26411656	+	1.883E-29	1.07771E-27	0.261484	hyper	sig	chr1_26411656
chr7	27103640	27103640	+	1.886E-29	1.0794E-27	0.284147	hyper	sig	chr7_27103640
chr7	1.28E+08	128201682	+	1.887E-29	1.07983E-27	0.237733	hyper	sig	chr7_128201682
chr3	1.47E+08	147410883	+	1.89E-29	1.0813E-27	0.230636	hyper	sig	chr3_147410883
chr12	2640887	2640887	+	1.893E-29	1.08315E-27	-0.21044	hypo	sig	chr12_2640887
chr19	2511395	2511395	+	1.895E-29	1.08427E-27	-0.33808	hypo	sig	chr19_2511395
chr5	1.79E+08	178502813	+	1.896E-29	1.08427E-27	-0.26663	hypo	sig	chr5_178502813
chr2	2.41E+08	241189428	+	1.896E-29	1.08455E-27	-0.38331	hypo	sig	chr2_241189428

chr5	1.71E+08	171309241	+	1.898E-29	1.08562E-27	0.247085	hyper	sig	chr5_171309241
chr13	1.01E+08	101416906	+	1.902E-29	1.088E-27	0.227513	hyper	sig	chr13_101416906
chr6	1.66E+08	166478220	+	1.913E-29	1.09413E-27	-0.2898	hypo	sig	chr6_166478220
chr8	79611241	79611241	+	1.917E-29	1.09595E-27	0.262477	hyper	sig	chr8_79611241
chr19	46412519	46412519	+	1.917E-29	1.096E-27	0.275145	hyper	sig	chr19_46412519
chr10	1609101	1609101	+	1.923E-29	1.09966E-27	0.202026	hyper	sig	chr10_1609101
chr12	1.07E+08	106585760	+	1.925E-29	1.10025E-27	0.282303	hyper	sig	chr12_106585760
chr1	6003078	6003078	+	1.926E-29	1.10109E-27	-0.28634	hypo	sig	chr1_6003078
chr20	22576852	22576852	+	1.926E-29	1.10109E-27	-0.30402	hypo	sig	chr20_22576852
chr7	24284951	24284951	+	1.926E-29	1.10109E-27	0.312717	hyper	sig	chr7_24284951
chr13	36346490	36346490	+	1.927E-29	1.10116E-27	0.21431	hyper	sig	chr13_36346490
chr14	1.04E+08	104323018	+	1.94E-29	1.10843E-27	-0.27068	hypo	sig	chr14_104323018
chr14	88326666	88326666	+	1.942E-29	1.10999E-27	0.231206	hyper	sig	chr14_88326666
chr7	97021969	97021969	+	1.96E-29	1.11995E-27	0.343411	hyper	sig	chr7_97021969
chr19	57709350	57709350	+	1.961E-29	1.1204E-27	0.26197	hyper	sig	chr19_57709350
chr5	1.35E+08	135028943	+	1.968E-29	1.12409E-27	0.351599	hyper	sig	chr5_135028943
chr6	28635077	28635077	+	1.973E-29	1.12685E-27	0.206391	hyper	sig	chr6_28635077
chr5	88689772	88689772	+	1.987E-29	1.13471E-27	0.24786	hyper	sig	chr5_88689772
chr6	28810857	28810857	+	1.987E-29	1.13516E-27	0.246392	hyper	sig	chr6_28810857
chr8	46951332	46951332	+	1.988E-29	1.13557E-27	-0.29671	hypo	sig	chr8_46951332
chr17	65538501	65538501	+	1.99E-29	1.13637E-27	-0.24038	hypo	sig	chr17_65538501
chr8	739920	739920	+	1.991E-29	1.1372E-27	0.21843	hyper	sig	chr8_739920
chr7	38311322	38311322	+	1.992E-29	1.13749E-27	0.336203	hyper	sig	chr7_38311322
chr17	81941544	81941544	+	1.995E-29	1.13897E-27	-0.28638	hypo	sig	chr17_81941544
chr7	5304054	5304054	+	1.999E-29	1.14103E-27	-0.22793	hypo	sig	chr7_5304054
chr6	1.33E+08	133240597	+	2.01E-29	1.14753E-27	0.21587	hyper	sig	chr6_133240597
chr13	44434411	44434411	+	2.01E-29	1.14757E-27	-0.26986	hypo	sig	chr13_44434411
chr2	1.76E+08	176124829	+	2.015E-29	1.14987E-27	-0.26265	hypo	sig	chr2_176124829
chr10	1.33E+08	132758915	+	2.015E-29	1.15018E-27	-0.24639	hypo	sig	chr10_132758915
chr5	77639178	77639178	+	2.033E-29	1.16003E-27	0.316621	hyper	sig	chr5_77639178
chr13	1.14E+08	114005075	+	2.035E-29	1.16121E-27	-0.27598	hypo	sig	chr13_114005075
chr6	29792204	29792204	+	2.037E-29	1.16227E-27	0.299338	hyper	sig	chr6_29792204
chr16	49278113	49278113	+	2.039E-29	1.1634E-27	0.316922	hyper	sig	chr16_49278113
chr17	80478211	80478211	+	2.041E-29	1.16399E-27	0.216635	hyper	sig	chr17_80478211
chr8	52940065	52940065	+	2.042E-29	1.1646E-27	0.320543	hyper	sig	chr8_52940065
chr4	55125251	55125251	+	2.042E-29	1.16481E-27	0.329114	hyper	sig	chr4_55125251
chr6	32746050	32746050	+	2.043E-29	1.16525E-27	-0.29386	hypo	sig	chr6_32746050
chr1	65792191	65792191	+	2.045E-29	1.16598E-27	0.287816	hyper	sig	chr1_65792191
chr8	64575709	64575709	+	2.049E-29	1.16829E-27	0.222587	hyper	sig	chr8_64575709
chr7	1761885	1761885	+	2.05E-29	1.16901E-27	-0.34001	hypo	sig	chr7_1761885
chr8	27987760	27987760	+	2.053E-29	1.17051E-27	-0.29495	hypo	sig	chr8_27987760
chr8	23702785	23702785	+	2.058E-29	1.17335E-27	0.226303	hyper	sig	chr8_23702785
chr17	18421687	18421687	+	2.073E-29	1.18173E-27	-0.28789	hypo	sig	chr17_18421687
chr7	1.5E+08	150220231	+	2.075E-29	1.18299E-27	0.331759	hyper	sig	chr7_150220231
chr8	1.08E+08	108083595	+	2.083E-29	1.18738E-27	0.307077	hyper	sig	chr8_108083595
chr6	1.27E+08	127120546	+	2.084E-29	1.18782E-27	0.217909	hyper	sig	chr6_127120546
chr7	118901	118901	+	2.087E-29	1.18905E-27	-0.22719	hypo	sig	chr7_118901
chr1	38134567	38134567	+	2.094E-29	1.19318E-27	0.243311	hyper	sig	chr1_38134567
chr4	912150	912150	+	2.103E-29	1.19839E-27	-0.27975	hypo	sig	chr4_912150
chr20	41134163	41134163	+	2.122E-29	1.20875E-27	-0.31319	hypo	sig	chr20_41134163
chr4	1.54E+08	153789383	+	2.122E-29	1.20875E-27	0.206613	hyper	sig	chr4_153789383
chr9	1.31E+08	131034898	+	2.122E-29	1.20875E-27	-0.3311	hypo	sig	chr9_131034898
chr8	96159496	96159496	+	2.123E-29	1.2089E-27	0.296514	hyper	sig	chr8_96159496
chr1	3434530	3434530	+	2.129E-29	1.21233E-27	-0.2368	hypo	sig	chr1_3434530
chr17	1137391	1137391	+	2.136E-29	1.21655E-27	-0.38986	hypo	sig	chr17_1137391
chr9	19788259	19788259	+	2.137E-29	1.21688E-27	0.292461	hyper	sig	chr9_19788259

chr13	1.13E+08	113405912	+	2.14E-29	1.21836E-27	-0.31161	hypo	sig	chr13_113405912
chr7	1.58E+08	158237873	+	2.144E-29	1.2206E-27	-0.27638	hypo	sig	chr7_158237873
chr7	1.25E+08	124764218	+	2.149E-29	1.22344E-27	0.250627	hyper	sig	chr7_124764218
chr15	83379330	83379330	+	2.156E-29	1.22715E-27	0.245854	hyper	sig	chr15_83379330
chr19	53255309	53255309	+	2.158E-29	1.22833E-27	0.358866	hyper	sig	chr19_53255309
chr16	561328	561328	+	2.164E-29	1.2316E-27	-0.28171	hypo	sig	chr16_561328
chr9	971745	971745	+	2.164E-29	1.23166E-27	0.313842	hyper	sig	chr9_971745
chr1	2.28E+08	228148715	+	2.18E-29	1.24038E-27	-0.37111	hypo	sig	chr1_228148715
chr19	58009835	58009835	+	2.185E-29	1.2432E-27	0.237505	hyper	sig	chr19_58009835
chr5	88694747	88694747	+	2.186E-29	1.24356E-27	0.294674	hyper	sig	chr5_88694747
chr1	6385841	6385841	+	2.188E-29	1.24447E-27	-0.37517	hypo	sig	chr1_6385841
chr8	1.42E+08	142004491	+	2.188E-29	1.24447E-27	-0.24621	hypo	sig	chr8_142004491
chr8	26048281	26048281	+	2.188E-29	1.2446E-27	0.280477	hyper	sig	chr8_26048281
chr11	1075841	1075841	+	2.189E-29	1.24499E-27	-0.36064	hypo	sig	chr11_1075841
chr7	1.25E+08	124764267	+	2.203E-29	1.25268E-27	0.249386	hyper	sig	chr7_124764267
chr16	86511226	86511226	+	2.205E-29	1.25409E-27	0.245038	hyper	sig	chr16_86511226
chr2	2.38E+08	238131318	+	2.207E-29	1.255E-27	-0.29944	hypo	sig	chr2_238131318
chr8	11347199	11347199	+	2.209E-29	1.25589E-27	0.255558	hyper	sig	chr8_11347199
chr1	2.06E+08	205850051	+	2.22E-29	1.26226E-27	0.256994	hyper	sig	chr1_205850051
chr1	1.44E+08	143905643	+	2.226E-29	1.2654E-27	0.206267	hyper	sig	chr1_143905643
chr14	77140860	77140860	+	2.238E-29	1.272E-27	0.270949	hyper	sig	chr14_77140860
chr12	1.14E+08	114440790	+	2.239E-29	1.2723E-27	0.236571	hyper	sig	chr12_114440790
chr14	1.05E+08	104728643	+	2.251E-29	1.27903E-27	-0.24876	hypo	sig	chr14_104728643
chr11	67442659	67442659	+	2.253E-29	1.28037E-27	-0.23565	hypo	sig	chr11_67442659
chr5	1.35E+08	135031737	+	2.254E-29	1.28068E-27	0.203746	hyper	sig	chr5_135031737
chr7	1.28E+08	128201686	+	2.257E-29	1.28249E-27	0.244883	hyper	sig	chr7_128201686
chr11	67442634	67442634	+	2.261E-29	1.2847E-27	-0.22461	hypo	sig	chr11_67442634
chr1	94540974	94540974	+	2.262E-29	1.28527E-27	-0.23107	hypo	sig	chr1_94540974
chr8	48649196	48649196	+	2.263E-29	1.28561E-27	0.278921	hyper	sig	chr8_48649196
chr9	1.23E+08	123339074	+	2.263E-29	1.28561E-27	-0.28104	hypo	sig	chr9_123339074
chr7	1.04E+08	103989098	+	2.266E-29	1.28672E-27	0.243387	hyper	sig	chr7_103989098
chr13	93228392	93228392	+	2.267E-29	1.28731E-27	0.312522	hyper	sig	chr13_93228392
chr7	35255573	35255573	+	2.269E-29	1.28842E-27	0.383521	hyper	sig	chr7_35255573
chr2	2.32E+08	232486247	+	2.285E-29	1.29746E-27	0.225226	hyper	sig	chr2_232486247
chr4	1.9E+08	190020546	+	2.292E-29	1.30112E-27	0.272839	hyper	sig	chr4_190020546
chr6	10883583	10883583	+	2.292E-29	1.3012E-27	0.378628	hyper	sig	chr6_10883583
chr3	5095945	5095945	+	2.299E-29	1.30491E-27	0.273671	hyper	sig	chr3_5095945
chr4	1.39E+08	139279562	+	2.3E-29	1.30539E-27	0.211556	hyper	sig	chr4_139279562
chr12	98893983	98893983	+	2.314E-29	1.31315E-27	0.272037	hyper	sig	chr12_98893983
chr3	1.47E+08	147412687	+	2.315E-29	1.31385E-27	0.29857	hyper	sig	chr3_147412687
chr6	28447328	28447328	+	2.319E-29	1.31602E-27	0.324799	hyper	sig	chr6_28447328
chr8	1931507	1931507	+	2.321E-29	1.31723E-27	-0.26242	hypo	sig	chr8_1931507
chr16	51150456	51150456	+	2.322E-29	1.31742E-27	0.374387	hyper	sig	chr16_51150456
chr17	41583600	41583600	+	2.326E-29	1.31995E-27	-0.28646	hypo	sig	chr17_41583600
chr12	52601480	52601480	+	2.342E-29	1.32897E-27	0.274795	hyper	sig	chr12_52601480
chr2	2.41E+08	240818145	+	2.357E-29	1.33742E-27	-0.30495	hypo	sig	chr2_240818145
chr5	1.73E+08	173246187	+	2.365E-29	1.34148E-27	0.237977	hyper	sig	chr5_173246187
chr7	1.49E+08	149415236	+	2.365E-29	1.3416E-27	0.301652	hyper	sig	chr7_149415236
chr21	45436185	45436185	+	2.373E-29	1.34591E-27	-0.21869	hypo	sig	chr21_45436185
chr4	6379051	6379051	+	2.386E-29	1.35322E-27	-0.23653	hypo	sig	chr4_6379051
chr12	98745628	98745628	+	2.39E-29	1.35525E-27	0.202289	hyper	sig	chr12_98745628
chr4	1.66E+08	165874470	+	2.391E-29	1.35607E-27	0.318064	hyper	sig	chr4_165874470
chr17	83014480	83014480	+	2.396E-29	1.35858E-27	-0.26783	hypo	sig	chr17_83014480
chr16	87278397	87278397	+	2.406E-29	1.36426E-27	-0.29825	hypo	sig	chr16_87278397
chr19	43624303	43624303	+	2.407E-29	1.36477E-27	-0.40092	hypo	sig	chr19_43624303
chr16	361268	361268	+	2.411E-29	1.36702E-27	-0.29444	hypo	sig	chr16_361268

chr7	1.58E+08	158193161	+	2.415E-29	1.36914E-27	0.281477	hyper	sig	chr7_158193161
chr19	58033768	58033768	+	2.418E-29	1.37065E-27	0.347804	hyper	sig	chr19_58033768
chr6	28673831	28673831	+	2.419E-29	1.3709E-27	0.225747	hyper	sig	chr6_28673831
chr7	24284215	24284215	+	2.419E-29	1.37102E-27	0.326747	hyper	sig	chr7_24284215
chr7	1.55E+08	155372300	+	2.422E-29	1.37253E-27	0.216185	hyper	sig	chr7_155372300
chr17	79119551	79119551	+	2.424E-29	1.37367E-27	-0.26707	hypo	sig	chr17_79119551
chr14	76138816	76138816	+	2.428E-29	1.3755E-27	0.341133	hyper	sig	chr14_76138816
chr1	1.53E+08	152811239	+	2.443E-29	1.38439E-27	-0.29341	hypo	sig	chr1_152811239
chr7	1.32E+08	131538631	+	2.444E-29	1.38463E-27	-0.40242	hypo	sig	chr7_131538631
chr1	69569470	69569470	+	2.451E-29	1.38851E-27	0.329217	hyper	sig	chr1_69569470
chr5	1.81E+08	180616972	+	2.453E-29	1.38952E-27	-0.29638	hypo	sig	chr5_180616972
chr3	62377243	62377243	+	2.463E-29	1.39529E-27	0.261382	hyper	sig	chr3_62377243
chr11	78962150	78962150	+	2.467E-29	1.39701E-27	0.364704	hyper	sig	chr11_78962150
chr17	34157049	34157049	+	2.467E-29	1.39731E-27	0.257479	hyper	sig	chr17_34157049
chr7	1.02E+08	102119373	+	2.489E-29	1.40976E-27	-0.32121	hypo	sig	chr7_102119373
chr5	73382375	73382375	+	2.491E-29	1.41065E-27	0.258787	hyper	sig	chr5_73382375
chr1	1.98E+08	197921374	+	2.492E-29	1.41084E-27	0.230456	hyper	sig	chr1_197921374
chr13	78595715	78595715	+	2.5E-29	1.41547E-27	0.263145	hyper	sig	chr13_78595715
chr7	85186217	85186217	+	2.508E-29	1.41986E-27	0.283671	hyper	sig	chr7_85186217
chr15	59994259	59994259	+	2.526E-29	1.42986E-27	0.234227	hyper	sig	chr15_59994259
chr7	1.56E+08	155922441	+	2.53E-29	1.43207E-27	-0.26377	hypo	sig	chr7_155922441
chr19	23002763	23002763	+	2.533E-29	1.4339E-27	0.353272	hyper	sig	chr19_23002763
chr16	51150468	51150468	+	2.539E-29	1.43682E-27	0.358301	hyper	sig	chr16_51150468
chr11	44311557	44311557	+	2.556E-29	1.44655E-27	0.240077	hyper	sig	chr11_44311557
chr3	1.73E+08	173141138	+	2.566E-29	1.45201E-27	-0.27734	hypo	sig	chr3_173141138
chr2	821303	821303	+	2.566E-29	1.4521E-27	-0.26417	hypo	sig	chr2_821303
chr2	1.07E+08	106585840	+	2.57E-29	1.45406E-27	-0.32837	hypo	sig	chr2_106585840
chr17	81118363	81118363	+	2.571E-29	1.45466E-27	-0.25105	hypo	sig	chr17_81118363
chr20	21713993	21713993	+	2.594E-29	1.46715E-27	0.242165	hyper	sig	chr20_21713993
chr18	47248683	47248683	+	2.598E-29	1.4695E-27	0.278586	hyper	sig	chr18_47248683
chr11	1884650	1884650	+	2.599E-29	1.46983E-27	-0.29265	hypo	sig	chr11_1884650
chr1	3101254	3101254	+	2.601E-29	1.47091E-27	-0.27453	hypo	sig	chr1_3101254
chr20	64057233	64057233	+	2.605E-29	1.47317E-27	-0.26483	hypo	sig	chr20_64057233
chr4	1056456	1056456	+	2.611E-29	1.47649E-27	-0.2933	hypo	sig	chr4_1056456
chr8	76683134	76683134	+	2.614E-29	1.47821E-27	0.290935	hyper	sig	chr8_76683134
chr2	1E+08	100391709	+	2.625E-29	1.48429E-27	-0.30763	hypo	sig	chr2_100391709
chr4	785084	785084	+	2.631E-29	1.48765E-27	0.216157	hyper	sig	chr4_785084
chr6	6004604	6004604	+	2.641E-29	1.49301E-27	0.202106	hyper	sig	chr6_6004604
chr2	1.81E+08	181457153	+	2.641E-29	1.49315E-27	0.207702	hyper	sig	chr2_181457153
chr17	48582483	48582483	+	2.646E-29	1.49535E-27	-0.25771	hypo	sig	chr17_48582483
chr11	1048567	1048567	+	2.646E-29	1.49554E-27	-0.26221	hypo	sig	chr11_1048567
chr22	50091402	50091402	+	2.646E-29	1.49566E-27	-0.23182	hypo	sig	chr22_50091402
chr4	912114	912114	+	2.649E-29	1.49692E-27	-0.26756	hypo	sig	chr4_912114
chr10	1185188	1185188	+	2.652E-29	1.49872E-27	-0.26046	hypo	sig	chr10_1185188
chr13	57630841	57630841	+	2.666E-29	1.50612E-27	0.293786	hyper	sig	chr13_57630841
chr6	10417398	10417398	+	2.672E-29	1.50949E-27	0.238668	hyper	sig	chr6_10417398
chr7	19118116	19118116	+	2.673E-29	1.51018E-27	0.250946	hyper	sig	chr7_19118116
chr13	78596509	78596509	+	2.674E-29	1.51063E-27	0.35324	hyper	sig	chr13_78596509
chr2	1.31E+08	130964140	+	2.675E-29	1.51076E-27	0.206749	hyper	sig	chr2_130964140
chr5	1.14E+08	114056445	+	2.679E-29	1.51335E-27	0.267235	hyper	sig	chr5_114056445
chr6	1.66E+08	166478241	+	2.684E-29	1.51581E-27	-0.27184	hypo	sig	chr6_166478241
chr20	46058457	46058457	+	2.685E-29	1.51658E-27	0.25138	hyper	sig	chr20_46058457
chr16	1023508	1023508	+	2.686E-29	1.51688E-27	-0.22313	hypo	sig	chr16_1023508
chr10	1.3E+08	129552735	+	2.697E-29	1.52292E-27	0.248393	hyper	sig	chr10_129552735
chr11	22432593	22432593	+	2.701E-29	1.52478E-27	0.267256	hyper	sig	chr11_22432593
chr10	1.09E+08	109456720	+	2.702E-29	1.52559E-27	0.324281	hyper	sig	chr10_109456720

chr21	26967751	26967751	+	2.71E-29	1.52958E-27	0.313198	hyper	sig	chr21_26967751
chr8	54466441	54466441	+	2.71E-29	1.52969E-27	0.378359	hyper	sig	chr8_54466441
chr12	51900702	51900702	+	2.712E-29	1.53075E-27	0.352019	hyper	sig	chr12_51900702
chr17	41624821	41624821	+	2.72E-29	1.53517E-27	-0.2845	hypo	sig	chr17_41624821
chr6	1.66E+08	165819590	+	2.721E-29	1.53546E-27	0.265402	hyper	sig	chr6_165819590
chr4	1.55E+08	154741914	+	2.724E-29	1.53718E-27	0.287058	hyper	sig	chr4_154741914
chr13	23547220	23547220	+	2.734E-29	1.54247E-27	0.325683	hyper	sig	chr13_23547220
chr4	41880934	41880934	+	2.743E-29	1.54728E-27	0.2953	hyper	sig	chr4_41880934
chr20	21517700	21517700	+	2.776E-29	1.56582E-27	0.348104	hyper	sig	chr20_21517700
chr11	44311570	44311570	+	2.784E-29	1.57002E-27	0.239974	hyper	sig	chr11_44311570
chr2	29921242	29921242	+	2.791E-29	1.57386E-27	0.384836	hyper	sig	chr2_29921242
chr6	50845963	50845963	+	2.795E-29	1.57597E-27	0.325476	hyper	sig	chr6_50845963
chr13	27793679	27793679	+	2.798E-29	1.5775E-27	0.348878	hyper	sig	chr13_27793679
chr12	3493447	3493447	+	2.799E-29	1.57799E-27	0.239847	hyper	sig	chr12_3493447
chr4	4861667	4861667	+	2.8E-29	1.57873E-27	0.256167	hyper	sig	chr4_4861667
chr7	2079705	2079705	+	2.8E-29	1.57873E-27	-0.33028	hypo	sig	chr7_2079705
chr17	1080269	1080269	+	2.813E-29	1.58551E-27	-0.38058	hypo	sig	chr17_1080269
chr12	1.32E+08	132187159	+	2.815E-29	1.58647E-27	-0.2641	hypo	sig	chr12_132187159
chr10	1.23E+08	123150712	+	2.854E-29	1.60859E-27	0.310051	hyper	sig	chr10_123150712
chr17	79423177	79423177	+	2.859E-29	1.61099E-27	-0.2836	hypo	sig	chr17_79423177
chr3	1.35E+08	134651114	+	2.859E-29	1.61099E-27	0.216884	hyper	sig	chr3_134651114
chr4	1.55E+08	154742730	+	2.862E-29	1.61299E-27	0.22887	hyper	sig	chr4_154742730
chr1	929508	929508	+	2.876E-29	1.62037E-27	-0.27698	hypo	sig	chr1_929508
chr11	32439070	32439070	+	2.891E-29	1.629E-27	0.24225	hyper	sig	chr11_32439070
chr12	1.13E+08	113476040	+	2.9E-29	1.63376E-27	0.298762	hyper	sig	chr12_113476040
chr12	81078333	81078333	+	2.902E-29	1.6348E-27	0.258972	hyper	sig	chr12_81078333
chr12	98745613	98745613	+	2.91E-29	1.63907E-27	0.210082	hyper	sig	chr12_98745613
chr19	817811	817811	+	2.911E-29	1.6396E-27	-0.24937	hypo	sig	chr19_817811
chr19	15511907	15511907	+	2.918E-29	1.64355E-27	-0.33862	hypo	sig	chr19_15511907
chr2	2.32E+08	232419669	+	2.925E-29	1.6473E-27	0.260224	hyper	sig	chr2_232419669
chr11	32439114	32439114	+	2.935E-29	1.65303E-27	0.217439	hyper	sig	chr11_32439114
chr22	19937642	19937642	+	2.944E-29	1.65795E-27	-0.32047	hypo	sig	chr22_19937642
chr2	20670552	20670552	+	2.945E-29	1.65813E-27	0.217658	hyper	sig	chr2_20670552
chr4	1.39E+08	139279605	+	2.947E-29	1.65934E-27	0.246019	hyper	sig	chr4_139279605
chr14	97219523	97219523	+	2.948E-29	1.65954E-27	0.292822	hyper	sig	chr14_97219523
chr2	66582129	66582129	+	2.95E-29	1.66037E-27	0.255128	hyper	sig	chr2_66582129
chr4	80268851	80268851	+	2.955E-29	1.66315E-27	0.366708	hyper	sig	chr4_80268851
chr8	1011733	1011733	+	2.955E-29	1.66318E-27	-0.25361	hypo	sig	chr8_1011733
chr20	46057430	46057430	+	2.959E-29	1.6653E-27	0.269599	hyper	sig	chr20_46057430
chr12	98895566	98895566	+	2.976E-29	1.6744E-27	0.345053	hyper	sig	chr12_98895566
chr12	1.14E+08	114408607	+	2.978E-29	1.67529E-27	0.224725	hyper	sig	chr12_114408607
chr3	1.56E+08	156291700	+	2.98E-29	1.67634E-27	0.202457	hyper	sig	chr3_156291700
chr8	1.42E+08	142464415	+	2.986E-29	1.67978E-27	0.242768	hyper	sig	chr8_142464415
chr18	7116980	7116980	+	2.988E-29	1.68102E-27	0.320258	hyper	sig	chr18_7116980
chr21	18244795	18244795	+	3E-29	1.68722E-27	0.289487	hyper	sig	chr21_18244795
chr14	77140879	77140879	+	3.002E-29	1.68841E-27	0.299196	hyper	sig	chr14_77140879
chr16	7304649	7304649	+	3.012E-29	1.69373E-27	0.31972	hyper	sig	chr16_7304649
chr19	56838713	56838713	+	3.012E-29	1.69375E-27	0.23276	hyper	sig	chr19_56838713
chr12	1.14E+08	114409753	+	3.013E-29	1.69415E-27	0.212136	hyper	sig	chr12_114409753
chr4	1.25E+08	125317102	+	3.032E-29	1.70459E-27	0.249468	hyper	sig	chr4_125317102
chr8	1.41E+08	141085134	+	3.04E-29	1.70897E-27	-0.23841	hypo	sig	chr8_141085134
chr9	85523057	85523057	+	3.045E-29	1.71188E-27	0.238068	hyper	sig	chr9_85523057
chr6	1.68E+08	168356488	+	3.048E-29	1.71363E-27	-0.25972	hypo	sig	chr6_168356488
chr17	82342466	82342466	+	3.055E-29	1.71731E-27	-0.34197	hypo	sig	chr17_82342466
chr4	1.54E+08	154491238	+	3.06E-29	1.71975E-27	0.223757	hyper	sig	chr4_154491238
chr6	1.37E+08	137495378	+	3.077E-29	1.72908E-27	0.207957	hyper	sig	chr6_137495378

chr12	53939376	53939376	+	3.086E-29	1.73413E-27	0.240208	hyper	sig	chr12_53939376
chr12	1.13E+08	113476079	+	3.086E-29	1.73413E-27	0.282798	hyper	sig	chr12_113476079
chr16	54290300	54290300	+	3.09E-29	1.73612E-27	0.25702	hyper	sig	chr16_54290300
chr6	1E+08	100469183	+	3.09E-29	1.73619E-27	0.206212	hyper	sig	chr6_100469183
chr11	32438278	32438278	+	3.108E-29	1.74613E-27	0.323012	hyper	sig	chr11_32438278
chr11	1.3E+08	129743832	+	3.111E-29	1.74746E-27	-0.33865	hypo	sig	chr11_129743832
chr1	75135256	75135256	+	3.121E-29	1.75311E-27	0.239071	hyper	sig	chr1_75135256
chr8	1.43E+08	143132190	+	3.137E-29	1.76191E-27	-0.28431	hypo	sig	chr8_143132190
chr12	1.32E+08	132160186	+	3.14E-29	1.76325E-27	-0.28929	hypo	sig	chr12_132160186
chr2	2.42E+08	241853130	+	3.144E-29	1.76573E-27	-0.26146	hypo	sig	chr2_241853130
chr13	1.12E+08	111640259	+	3.15E-29	1.76914E-27	-0.25676	hypo	sig	chr13_111640259
chr3	43997984	43997984	+	3.164E-29	1.77669E-27	0.257685	hyper	sig	chr3_43997984
chr9	1.37E+08	136739726	+	3.171E-29	1.78033E-27	-0.27126	hypo	sig	chr9_136739726
chr10	99232479	99232479	+	3.175E-29	1.78273E-27	0.25782	hyper	sig	chr10_99232479
chr17	82389073	82389073	+	3.188E-29	1.78979E-27	-0.25485	hypo	sig	chr17_82389073
chr4	7425552	7425552	+	3.189E-29	1.78982E-27	-0.25904	hypo	sig	chr4_7425552
chr9	971757	971757	+	3.19E-29	1.79048E-27	0.27544	hyper	sig	chr9_971757
chr12	1.3E+08	130451810	+	3.196E-29	1.79368E-27	-0.24043	hypo	sig	chr12_130451810
chr1	3414173	3414173	+	3.209E-29	1.8007E-27	-0.24335	hypo	sig	chr1_3414173
chr8	64379830	64379830	+	3.221E-29	1.8076E-27	0.268422	hyper	sig	chr8_64379830
chr4	3675800	3675800	+	3.226E-29	1.81009E-27	-0.21806	hypo	sig	chr4_3675800
chr10	23174448	23174448	+	3.227E-29	1.81039E-27	0.270445	hyper	sig	chr10_23174448
chr11	2140699	2140699	+	3.238E-29	1.81678E-27	0.240052	hyper	sig	chr11_2140699
chr18	21243022	21243022	+	3.24E-29	1.81749E-27	0.222023	hyper	sig	chr18_21243022
chr1	53738688	53738688	+	3.241E-29	1.81784E-27	0.200077	hyper	sig	chr1_53738688
chr3	1.47E+08	147408137	+	3.241E-29	1.81784E-27	0.258869	hyper	sig	chr3_147408137
chr12	84912050	84912050	+	3.243E-29	1.81859E-27	0.39251	hyper	sig	chr12_84912050
chr16	3305272	3305272	+	3.259E-29	1.82795E-27	0.221329	hyper	sig	chr16_3305272
chr16	1104971	1104971	+	3.274E-29	1.83619E-27	-0.28148	hypo	sig	chr16_1104971
chr8	1.41E+08	141395098	+	3.277E-29	1.83769E-27	-0.26068	hypo	sig	chr8_141395098
chr10	1.33E+08	132921092	+	3.282E-29	1.8403E-27	-0.211	hypo	sig	chr10_132921092
chr10	1.3E+08	129969899	+	3.285E-29	1.84149E-27	0.22106	hyper	sig	chr10_129969899
chr20	56004716	56004716	+	3.291E-29	1.84493E-27	0.289379	hyper	sig	chr20_56004716
chr2	2.4E+08	240451665	+	3.293E-29	1.8455E-27	-0.24374	hypo	sig	chr2_240451665
chr2	74515197	74515197	+	3.294E-29	1.84608E-27	0.230388	hyper	sig	chr2_74515197
chr8	23703110	23703110	+	3.297E-29	1.84782E-27	0.248858	hyper	sig	chr8_23703110
chr8	1.13E+08	113432849	+	3.297E-29	1.84782E-27	0.223658	hyper	sig	chr8_113432849
chr11	32429054	32429054	+	3.3E-29	1.84927E-27	0.232766	hyper	sig	chr11_32429054
chr16	1543401	1543401	+	3.301E-29	1.84939E-27	-0.29444	hypo	sig	chr16_1543401
chr12	1.15E+08	114697245	+	3.301E-29	1.84943E-27	0.226886	hyper	sig	chr12_114697245
chr6	1.37E+08	137045361	+	3.301E-29	1.84943E-27	-0.26085	hypo	sig	chr6_137045361
chr8	1.43E+08	142777230	+	3.304E-29	1.85061E-27	0.311025	hyper	sig	chr8_142777230
chr8	71844419	71844419	+	3.308E-29	1.85291E-27	0.291351	hyper	sig	chr8_71844419
chr9	1.34E+08	134461752	+	3.332E-29	1.86656E-27	-0.23552	hypo	sig	chr9_134461752
chr14	99245999	99245999	+	3.336E-29	1.86855E-27	0.300962	hyper	sig	chr14_99245999
chr11	1.29E+08	128694285	+	3.347E-29	1.87397E-27	0.339946	hyper	sig	chr11_128694285
chr1	20166064	20166064	+	3.347E-29	1.87433E-27	-0.25159	hypo	sig	chr1_20166064
chr9	97852625	97852625	+	3.353E-29	1.87751E-27	0.350487	hyper	sig	chr9_97852625
chr1	90719250	90719250	+	3.371E-29	1.88711E-27	0.261051	hyper	sig	chr1_90719250
chr20	59043432	59043432	+	3.372E-29	1.88787E-27	-0.31835	hypo	sig	chr20_59043432
chr2	74415388	74415388	+	3.376E-29	1.88953E-27	0.299984	hyper	sig	chr2_74415388
chr20	22576886	22576886	+	3.398E-29	1.90202E-27	-0.28759	hypo	sig	chr20_22576886
chr17	34157045	34157045	+	3.399E-29	1.90207E-27	0.266975	hyper	sig	chr17_34157045
chr15	25678509	25678509	+	3.403E-29	1.90449E-27	-0.27616	hypo	sig	chr15_25678509
chr1	50417332	50417332	+	3.445E-29	1.92745E-27	0.266679	hyper	sig	chr1_50417332
chr8	1.34E+08	134478571	+	3.448E-29	1.92942E-27	-0.23274	hypo	sig	chr8_134478571

chr20	21701389	21701389	+	3.449E-29	1.92969E-27	0.324427	hyper	sig	chr20_21701389
chr3	1.58E+08	158095025	+	3.462E-29	1.93663E-27	0.344991	hyper	sig	chr3_158095025
chr5	1.41E+08	141245562	+	3.468E-29	1.93973E-27	0.232934	hyper	sig	chr5_141245562
chr4	13535342	13535342	+	3.471E-29	1.94147E-27	0.259358	hyper	sig	chr4_13535342
chr5	1.78E+08	177984748	+	3.473E-29	1.94224E-27	0.302321	hyper	sig	chr5_177984748
chr2	1.28E+08	127644834	+	3.482E-29	1.9475E-27	-0.25693	hypo	sig	chr2_127644834
chr8	23706518	23706518	+	3.488E-29	1.95048E-27	0.295045	hyper	sig	chr8_23706518
chr19	58118621	58118621	+	3.5E-29	1.95686E-27	0.306918	hyper	sig	chr19_58118621
chr4	1.72E+08	171813661	+	3.521E-29	1.9684E-27	0.303641	hyper	sig	chr4_171813661
chr19	56507532	56507532	+	3.522E-29	1.96879E-27	0.320189	hyper	sig	chr19_56507532
chr7	82442804	82442804	+	3.525E-29	1.97063E-27	0.227781	hyper	sig	chr7_82442804
chr5	1.8E+08	179860133	+	3.534E-29	1.97539E-27	-0.35696	hypo	sig	chr5_179860133
chr6	50845930	50845930	+	3.534E-29	1.97539E-27	0.324802	hyper	sig	chr6_50845930
chr16	51156326	51156326	+	3.54E-29	1.97809E-27	0.316548	hyper	sig	chr16_51156326
chr1	98048685	98048685	+	3.553E-29	1.9851E-27	0.313368	hyper	sig	chr1_98048685
chr3	62368867	62368867	+	3.553E-29	1.9851E-27	0.270249	hyper	sig	chr3_62368867
chr1	6276624	6276624	+	3.582E-29	2.00131E-27	0.272008	hyper	sig	chr1_6276624
chr1	90719699	90719699	+	3.585E-29	2.00255E-27	0.314207	hyper	sig	chr1_90719699
chr5	1.23E+08	123093797	+	3.585E-29	2.00255E-27	0.225959	hyper	sig	chr5_123093797
chr6	10883966	10883966	+	3.595E-29	2.00813E-27	0.342226	hyper	sig	chr6_10883966
chr10	1553375	1553375	+	3.598E-29	2.00924E-27	-0.22594	hypo	sig	chr10_1553375
chr13	27928997	27928997	+	3.605E-29	2.01327E-27	0.33058	hyper	sig	chr13_27928997
chr5	1.41E+08	141421468	+	3.608E-29	2.01497E-27	0.241345	hyper	sig	chr5_141421468
chr19	17445258	17445258	+	3.613E-29	2.01725E-27	-0.40773	hypo	sig	chr19_17445258
chr20	51004034	51004034	+	3.622E-29	2.02228E-27	-0.24143	hypo	sig	chr20_51004034
chr19	48196615	48196615	+	3.624E-29	2.02313E-27	-0.29274	hypo	sig	chr19_48196615
chr2	45006389	45006389	+	3.631E-29	2.02678E-27	0.251027	hyper	sig	chr2_45006389
chr7	27110601	27110601	+	3.633E-29	2.02797E-27	0.291211	hyper	sig	chr7_27110601
chr12	1.27E+08	126727905	+	3.65E-29	2.03748E-27	0.250907	hyper	sig	chr12_126727905
chr2	394560	394560	+	3.652E-29	2.03835E-27	-0.30003	hypo	sig	chr2_394560
chr6	50716030	50716030	+	3.655E-29	2.03999E-27	0.264932	hyper	sig	chr6_50716030
chr16	87457976	87457976	+	3.658E-29	2.04155E-27	-0.26094	hypo	sig	chr16_87457976
chr3	68007833	68007833	+	3.667E-29	2.04592E-27	0.265978	hyper	sig	chr3_68007833
chr17	79390116	79390116	+	3.669E-29	2.04716E-27	-0.22543	hypo	sig	chr17_79390116
chr5	1.41E+08	141402750	+	3.677E-29	2.05133E-27	0.266823	hyper	sig	chr5_141402750
chr5	83471802	83471802	+	3.684E-29	2.05526E-27	0.263757	hyper	sig	chr5_83471802
chr5	1.41E+08	141431353	+	3.693E-29	2.05993E-27	0.263146	hyper	sig	chr5_141431353
chr22	43410034	43410034	+	3.7E-29	2.06366E-27	-0.27913	hypo	sig	chr22_43410034
chr17	5097648	5097648	+	3.717E-29	2.07281E-27	0.312545	hyper	sig	chr17_5097648
chr6	30172193	30172193	+	3.722E-29	2.07541E-27	0.272979	hyper	sig	chr6_30172193
chr5	1.41E+08	141399822	+	3.732E-29	2.08104E-27	0.244525	hyper	sig	chr5_141399822
chr10	1.01E+08	101227742	+	3.737E-29	2.08341E-27	0.266679	hyper	sig	chr10_101227742
chr3	1.38E+08	137771908	+	3.752E-29	2.09201E-27	0.207843	hyper	sig	chr3_137771908
chr4	624835	624835	+	3.767E-29	2.09992E-27	-0.27539	hypo	sig	chr4_624835
chr2	2.07E+08	206642369	+	3.768E-29	2.1006E-27	0.25409	hyper	sig	chr2_206642369
chr1	2.08E+08	207669896	+	3.77E-29	2.10135E-27	0.25664	hyper	sig	chr1_207669896
chr17	74351797	74351797	+	3.77E-29	2.10135E-27	0.348638	hyper	sig	chr17_74351797
chr5	88695400	88695400	+	3.781E-29	2.10739E-27	0.290192	hyper	sig	chr5_88695400
chr5	479894	479894	+	3.791E-29	2.113E-27	-0.26994	hypo	sig	chr5_479894
chr10	1.32E+08	132132429	+	3.793E-29	2.11357E-27	-0.3838	hypo	sig	chr10_132132429
chr17	80478206	80478206	+	3.795E-29	2.11453E-27	0.230008	hyper	sig	chr17_80478206
chr11	31825254	31825254	+	3.802E-29	2.11844E-27	0.28246	hyper	sig	chr11_31825254
chr22	43862771	43862771	+	3.81E-29	2.12278E-27	0.250527	hyper	sig	chr22_43862771
chr3	1.39E+08	138960709	+	3.811E-29	2.12296E-27	0.222282	hyper	sig	chr3_138960709
chr8	739892	739892	+	3.816E-29	2.12561E-27	0.21659	hyper	sig	chr8_739892
chr16	51156118	51156118	+	3.816E-29	2.12572E-27	0.301139	hyper	sig	chr16_51156118

chr12	1.33E+08	132904993	+	3.829E-29	2.1325E-27	0.310142	hyper	sig	chr12_132904993
chr4	912640	912640	+	3.868E-29	2.15412E-27	-0.2858	hypo	sig	chr4_912640
chr10	1.32E+08	132248154	+	3.88E-29	2.16097E-27	-0.24328	hypo	sig	chr10_132248154
chr3	1.92E+08	192408466	+	3.895E-29	2.16894E-27	0.269132	hyper	sig	chr3_192408466
chr7	23247807	23247807	+	3.898E-29	2.17021E-27	0.211369	hyper	sig	chr7_23247807
chr19	51166994	51166994	+	3.907E-29	2.1753E-27	-0.20997	hypo	sig	chr19_51166994
chr1	20473333	20473333	+	3.909E-29	2.17638E-27	0.232888	hyper	sig	chr1_20473333
chr11	32438276	32438276	+	3.915E-29	2.17925E-27	0.322203	hyper	sig	chr11_32438276
chr8	1.17E+08	116938234	+	3.924E-29	2.18409E-27	0.290177	hyper	sig	chr8_116938234
chr5	2757813	2757813	+	3.934E-29	2.18965E-27	0.295138	hyper	sig	chr5_2757813
chr1	3565119	3565119	+	3.949E-29	2.19786E-27	-0.29503	hypo	sig	chr1_3565119
chr12	1.15E+08	114687069	+	3.949E-29	2.19786E-27	0.222742	hyper	sig	chr12_114687069
chr15	74345217	74345217	+	3.969E-29	2.20874E-27	-0.25614	hypo	sig	chr15_74345217
chr7	27108650	27108650	+	3.971E-29	2.20944E-27	0.284152	hyper	sig	chr7_27108650
chr8	1653232	1653232	+	3.972E-29	2.2099E-27	-0.22901	hypo	sig	chr8_1653232
chr4	1.55E+08	154742446	+	3.973E-29	2.21065E-27	0.280154	hyper	sig	chr4_154742446
chr3	1.47E+08	147392508	+	3.981E-29	2.21493E-27	0.319826	hyper	sig	chr3_147392508
chr19	22286716	22286716	+	3.989E-29	2.21911E-27	0.302225	hyper	sig	chr19_22286716
chr17	81480686	81480686	+	3.99E-29	2.21914E-27	-0.2758	hypo	sig	chr17_81480686
chr13	57630906	57630906	+	3.993E-29	2.22103E-27	0.203146	hyper	sig	chr13_57630906
chr4	1.57E+08	157222765	+	4.04E-29	2.24664E-27	0.325193	hyper	sig	chr4_157222765
chr11	1841211	1841211	+	4.065E-29	2.26058E-27	-0.3212	hypo	sig	chr11_1841211
chr6	28447005	28447005	+	4.073E-29	2.26423E-27	0.254161	hyper	sig	chr6_28447005
chr2	2.06E+08	205686488	+	4.092E-29	2.27488E-27	0.31192	hyper	sig	chr2_205686488
chr17	48727049	48727049	+	4.094E-29	2.27559E-27	0.271957	hyper	sig	chr17_48727049
chr7	54542629	54542629	+	4.095E-29	2.27634E-27	0.280321	hyper	sig	chr7_54542629
chr4	305039	305039	+	4.098E-29	2.27752E-27	0.277761	hyper	sig	chr4_305039
chr13	26049558	26049558	+	4.103E-29	2.28022E-27	0.316375	hyper	sig	chr13_26049558
chr6	1.34E+08	134176302	+	4.108E-29	2.28301E-27	0.295235	hyper	sig	chr6_134176302
chr20	46513624	46513624	+	4.11E-29	2.28402E-27	0.22377	hyper	sig	chr20_46513624
chr14	36663569	36663569	+	4.124E-29	2.2916E-27	0.211858	hyper	sig	chr14_36663569
chr18	47249084	47249084	+	4.136E-29	2.29815E-27	0.273093	hyper	sig	chr18_47249084
chr12	1.15E+08	114686963	+	4.166E-29	2.3144E-27	0.221068	hyper	sig	chr12_114686963
chr6	28775973	28775973	+	4.176E-29	2.31973E-27	0.298173	hyper	sig	chr6_28775973
chr5	1.11E+08	111070792	+	4.186E-29	2.32528E-27	0.230422	hyper	sig	chr5_111070792
chr11	31805016	31805016	+	4.191E-29	2.32806E-27	0.267906	hyper	sig	chr11_31805016
chr4	84501133	84501133	+	4.192E-29	2.32823E-27	0.23117	hyper	sig	chr4_84501133
chr7	4093676	4093676	+	4.198E-29	2.33152E-27	0.281911	hyper	sig	chr7_4093676
chr15	25863646	25863646	+	4.202E-29	2.3337E-27	0.261806	hyper	sig	chr15_25863646
chr16	10877277	10877277	+	4.208E-29	2.33671E-27	-0.22841	hypo	sig	chr16_10877277
chr10	22345299	22345299	+	4.209E-29	2.33711E-27	0.249769	hyper	sig	chr10_22345299
chr16	81457743	81457743	+	4.216E-29	2.34067E-27	-0.23409	hypo	sig	chr16_81457743
chr1	2.37E+08	237043262	+	4.233E-29	2.35026E-27	0.297758	hyper	sig	chr1_237043262
chr1	10672687	10672687	+	4.236E-29	2.35172E-27	0.30119	hyper	sig	chr1_10672687
chr20	62563935	62563935	+	4.238E-29	2.35292E-27	-0.2716	hypo	sig	chr20_62563935
chr8	1282047	1282047	+	4.239E-29	2.35327E-27	-0.2404	hypo	sig	chr8_1282047
chr14	1.05E+08	105065693	+	4.251E-29	2.35974E-27	-0.26712	hypo	sig	chr14_105065693
chr18	59265080	59265080	+	4.256E-29	2.36235E-27	0.343161	hyper	sig	chr18_59265080
chr1	3651115	3651115	+	4.261E-29	2.36471E-27	0.273719	hyper	sig	chr1_3651115
chr17	17352113	17352113	+	4.268E-29	2.36829E-27	-0.34235	hypo	sig	chr17_17352113
chr10	3287573	3287573	+	4.272E-29	2.37078E-27	-0.29307	hypo	sig	chr10_3287573
chr8	71844421	71844421	+	4.283E-29	2.37651E-27	0.289511	hyper	sig	chr8_71844421
chr11	1.29E+08	128824299	+	4.292E-29	2.38158E-27	0.268401	hyper	sig	chr11_128824299
chr13	20713941	20713941	+	4.298E-29	2.38461E-27	-0.36105	hypo	sig	chr13_20713941
chr7	86645154	86645154	+	4.325E-29	2.39889E-27	0.311257	hyper	sig	chr7_86645154
chr16	84032507	84032507	+	4.326E-29	2.39938E-27	-0.3089	hypo	sig	chr16_84032507

chr15	74133195	74133195	+	4.345E-29	2.4099E-27	0.337681	hyper	sig	chr15_74133195
chr2	1.39E+08	138779671	+	4.349E-29	2.41164E-27	0.279145	hyper	sig	chr2_138779671
chr7	1.51E+08	150969663	+	4.349E-29	2.41166E-27	-0.26048	hypo	sig	chr7_150969663
chr12	1.19E+08	118774431	+	4.358E-29	2.41608E-27	0.244619	hyper	sig	chr12_118774431
chr1	1925013	1925013	+	4.358E-29	2.41619E-27	-0.22679	hypo	sig	chr1_1925013
chr13	24746403	24746403	+	4.359E-29	2.41641E-27	0.306928	hyper	sig	chr13_24746403
chr2	1.19E+08	119159086	+	4.361E-29	2.41759E-27	0.240188	hyper	sig	chr2_119159086
chr13	1.14E+08	114005199	+	4.369E-29	2.42155E-27	-0.27468	hypo	sig	chr13_114005199
chr15	25863609	25863609	+	4.373E-29	2.42384E-27	0.273587	hyper	sig	chr15_25863609
chr11	72244141	72244141	+	4.382E-29	2.42846E-27	0.320658	hyper	sig	chr11_72244141
chr6	27680582	27680582	+	4.383E-29	2.42909E-27	0.270376	hyper	sig	chr6_27680582
chr10	55628252	55628252	+	4.385E-29	2.42991E-27	0.237263	hyper	sig	chr10_55628252
chr16	2082569	2082569	+	4.392E-29	2.43343E-27	0.210081	hyper	sig	chr16_2082569
chr12	1.07E+08	106585654	+	4.394E-29	2.43455E-27	0.324326	hyper	sig	chr12_106585654
chr11	69867973	69867973	+	4.397E-29	2.43616E-27	-0.24889	hypo	sig	chr11_69867973
chr2	1.49E+08	148876058	+	4.402E-29	2.43859E-27	0.321984	hyper	sig	chr2_148876058
chr19	3785857	3785857	+	4.406E-29	2.44019E-27	0.284883	hyper	sig	chr19_3785857
chr2	74415405	74415405	+	4.431E-29	2.45416E-27	0.317239	hyper	sig	chr2_74415405
chr7	1.56E+08	155922355	+	4.436E-29	2.45654E-27	-0.25857	hypo	sig	chr7_155922355
chr7	2570045	2570045	+	4.439E-29	2.45799E-27	-0.24096	hypo	sig	chr7_2570045
chr1	2.03E+08	203223527	+	4.452E-29	2.46506E-27	-0.24837	hypo	sig	chr1_203223527
chr7	49776038	49776038	+	4.453E-29	2.46534E-27	0.209893	hyper	sig	chr7_49776038
chr6	32054865	32054865	+	4.456E-29	2.46689E-27	-0.23324	hypo	sig	chr6_32054865
chr7	1.57E+08	157392639	+	4.457E-29	2.4675E-27	-0.25945	hypo	sig	chr7_157392639
chr7	97018906	97018906	+	4.463E-29	2.47075E-27	0.272942	hyper	sig	chr7_97018906
chr5	1.41E+08	140786422	+	4.471E-29	2.47472E-27	0.218177	hyper	sig	chr5_140786422
chr1	1.8E+08	179743982	+	4.474E-29	2.47658E-27	0.254548	hyper	sig	chr1_179743982
chr1	38045771	38045771	+	4.478E-29	2.47826E-27	0.204147	hyper	sig	chr1_38045771
chr11	1.07E+08	107019476	+	4.482E-29	2.48068E-27	0.240744	hyper	sig	chr11_107019476
chr22	50041869	50041869	+	4.492E-29	2.4861E-27	-0.32961	hypo	sig	chr22_50041869
chr2	1.76E+08	176159557	+	4.494E-29	2.48645E-27	-0.24993	hypo	sig	chr2_176159557
chr20	63361124	63361124	+	4.514E-29	2.49749E-27	0.286905	hyper	sig	chr20_63361124
chr19	37251899	37251899	+	4.521E-29	2.50111E-27	0.29286	hyper	sig	chr19_37251899
chr7	65269421	65269421	+	4.527E-29	2.50461E-27	0.235903	hyper	sig	chr7_65269421
chr3	1.94E+08	194376442	+	4.538E-29	2.51017E-27	-0.21527	hypo	sig	chr3_194376442
chr2	1.3E+08	130037239	+	4.541E-29	2.51156E-27	0.36934	hyper	sig	chr2_130037239
chr12	6824378	6824378	+	4.545E-29	2.5138E-27	-0.25412	hypo	sig	chr12_6824378
chr1	3231793	3231793	+	4.549E-29	2.51549E-27	-0.25602	hypo	sig	chr1_3231793
chr10	15719205	15719205	+	4.549E-29	2.51549E-27	0.226768	hyper	sig	chr10_15719205
chr7	71133303	71133303	+	4.552E-29	2.51695E-27	0.297291	hyper	sig	chr7_71133303
chr11	40293842	40293842	+	4.555E-29	2.51885E-27	0.262219	hyper	sig	chr11_40293842
chr3	53243431	53243431	+	4.556E-29	2.51889E-27	-0.30812	hypo	sig	chr3_53243431
chr16	85483727	85483727	+	4.562E-29	2.52238E-27	-0.22582	hypo	sig	chr16_85483727
chr4	1.74E+08	173527465	+	4.585E-29	2.53458E-27	0.294045	hyper	sig	chr4_173527465
chr10	1.01E+08	101062245	+	4.585E-29	2.53461E-27	-0.35605	hypo	sig	chr10_101062245
chr17	82388188	82388188	+	4.592E-29	2.53836E-27	-0.29004	hypo	sig	chr17_82388188
chr7	97021960	97021960	+	4.596E-29	2.5403E-27	0.360537	hyper	sig	chr7_97021960
chr2	88765305	88765305	+	4.6E-29	2.54237E-27	0.309391	hyper	sig	chr2_88765305
chr4	13528233	13528233	+	4.606E-29	2.54539E-27	0.207008	hyper	sig	chr4_13528233
chr6	1.67E+08	167157707	+	4.607E-29	2.54592E-27	-0.21786	hypo	sig	chr6_167157707
chr17	1137382	1137382	+	4.608E-29	2.54599E-27	-0.40711	hypo	sig	chr17_1137382
chr9	13278627	13278627	+	4.608E-29	2.54628E-27	0.303536	hyper	sig	chr9_13278627
chr8	1.43E+08	143132175	+	4.61E-29	2.54689E-27	-0.26191	hypo	sig	chr8_143132175
chr8	40897861	40897861	+	4.616E-29	2.54999E-27	0.213168	hyper	sig	chr8_40897861
chr11	20669187	20669187	+	4.618E-29	2.55129E-27	0.2743	hyper	sig	chr11_20669187
chr3	35640105	35640105	+	4.619E-29	2.5515E-27	0.284468	hyper	sig	chr3_35640105

chr3	6861485	6861485	+	4.622E-29	2.5527E-27	0.328369	hyper	sig	chr3_6861485
chr13	1.12E+08	112252265	+	4.626E-29	2.55486E-27	-0.24755	hypo	sig	chr13_112252265
chr2	44955019	44955019	+	4.626E-29	2.55486E-27	0.20044	hyper	sig	chr2_44955019
chr16	1044672	1044672	+	4.634E-29	2.55906E-27	-0.25622	hypo	sig	chr16_1044672
chr18	7116978	7116978	+	4.636E-29	2.55993E-27	0.307447	hyper	sig	chr18_7116978
chr13	1.12E+08	112053541	+	4.649E-29	2.56699E-27	0.308331	hyper	sig	chr13_112053541
chr2	63055519	63055519	+	4.661E-29	2.57314E-27	0.286726	hyper	sig	chr2_63055519
chr6	1.46E+08	146029104	+	4.662E-29	2.57364E-27	0.263561	hyper	sig	chr6_146029104
chr3	5095932	5095932	+	4.665E-29	2.57543E-27	0.274145	hyper	sig	chr3_5095932
chr1	2.37E+08	237043194	+	4.671E-29	2.57823E-27	0.299048	hyper	sig	chr1_237043194
chr6	1E+08	100463825	+	4.691E-29	2.58908E-27	0.241113	hyper	sig	chr6_100463825
chr11	30016182	30016182	+	4.693E-29	2.59002E-27	0.320649	hyper	sig	chr11_30016182
chr14	1.04E+08	104223926	+	4.699E-29	2.59326E-27	0.256177	hyper	sig	chr14_104223926
chr19	58033781	58033781	+	4.709E-29	2.59888E-27	0.328724	hyper	sig	chr19_58033781
chr1	52843573	52843573	+	4.717E-29	2.60307E-27	0.368922	hyper	sig	chr1_52843573
chr3	1.54E+08	154429105	+	4.721E-29	2.60477E-27	0.261167	hyper	sig	chr3_154429105
chr3	1.43E+08	143176554	+	4.742E-29	2.61633E-27	-0.21759	hypo	sig	chr3_143176554
chr17	48605763	48605763	+	4.743E-29	2.61669E-27	-0.28375	hypo	sig	chr17_48605763
chr5	2747878	2747878	+	4.745E-29	2.61746E-27	0.288165	hyper	sig	chr5_2747878
chr12	1.32E+08	131617643	+	4.759E-29	2.62507E-27	-0.34195	hypo	sig	chr12_131617643
chr5	2757907	2757907	+	4.79E-29	2.64203E-27	0.226864	hyper	sig	chr5_2757907
chr6	99602905	99602905	+	4.796E-29	2.64526E-27	0.234328	hyper	sig	chr6_99602905
chr3	1.02E+08	101677923	+	4.797E-29	2.64565E-27	-0.36514	hypo	sig	chr3_101677923
chr14	1.05E+08	104570037	+	4.807E-29	2.65079E-27	-0.25418	hypo	sig	chr14_104570037
chr10	25934064	25934064	+	4.808E-29	2.65149E-27	0.278062	hyper	sig	chr10_25934064
chr19	48640180	48640180	+	4.81E-29	2.65228E-27	-0.37139	hypo	sig	chr19_48640180
chr7	1.28E+08	128201586	+	4.814E-29	2.65404E-27	0.291836	hyper	sig	chr7_128201586
chr17	65228902	65228902	+	4.832E-29	2.66393E-27	-0.25011	hypo	sig	chr17_65228902
chr1	6465514	6465514	+	4.838E-29	2.66722E-27	0.249882	hyper	sig	chr1_6465514
chr18	59273195	59273195	+	4.845E-29	2.67066E-27	0.286112	hyper	sig	chr18_59273195
chr13	1.14E+08	113622885	+	4.864E-29	2.68113E-27	0.277021	hyper	sig	chr13_113622885
chr8	64379431	64379431	+	4.865E-29	2.68113E-27	0.300247	hyper	sig	chr8_64379431
chr2	1.82E+08	181682621	+	4.87E-29	2.68391E-27	0.370289	hyper	sig	chr2_181682621
chr4	1502900	1502900	+	4.877E-29	2.68732E-27	-0.26686	hypo	sig	chr4_1502900
chr13	1.08E+08	108496670	+	4.888E-29	2.69313E-27	0.390539	hyper	sig	chr13_108496670
chr12	54047636	54047636	+	4.897E-29	2.69801E-27	0.387291	hyper	sig	chr12_54047636
chr16	55656510	55656510	+	4.904E-29	2.70168E-27	0.262591	hyper	sig	chr16_55656510
chr19	33623379	33623379	+	4.916E-29	2.70784E-27	0.247961	hyper	sig	chr19_33623379
chr19	20661356	20661356	+	4.931E-29	2.71634E-27	0.31664	hyper	sig	chr19_20661356
chr11	8018940	8018940	+	4.934E-29	2.71783E-27	0.203872	hyper	sig	chr11_8018940
chr2	5696124	5696124	+	4.935E-29	2.7179E-27	0.29896	hyper	sig	chr2_5696124
chr16	67207410	67207410	+	4.957E-29	2.73007E-27	-0.28245	hypo	sig	chr16_67207410
chr1	1.44E+08	143661997	+	4.978E-29	2.74146E-27	0.256319	hyper	sig	chr1_143661997
chr1	90718576	90718576	+	4.983E-29	2.74417E-27	0.223768	hyper	sig	chr1_90718576
chr17	75915135	75915135	+	4.997E-29	2.75114E-27	-0.26696	hypo	sig	chr17_75915135
chr11	2140981	2140981	+	5.004E-29	2.75472E-27	0.23053	hyper	sig	chr11_2140981
chr16	2284399	2284399	+	5.021E-29	2.76404E-27	-0.28793	hypo	sig	chr16_2284399
chr14	69850134	69850134	+	5.024E-29	2.76543E-27	-0.34095	hypo	sig	chr14_69850134
chr2	1.87E+08	186849182	+	5.045E-29	2.77688E-27	0.241112	hyper	sig	chr2_186849182
chr4	1.9E+08	190020532	+	5.046E-29	2.77711E-27	0.27591	hyper	sig	chr4_190020532
chr8	26865328	26865328	+	5.047E-29	2.77751E-27	0.268939	hyper	sig	chr8_26865328
chr13	25046869	25046869	+	5.053E-29	2.78037E-27	0.275761	hyper	sig	chr13_25046869
chr15	74434273	74434273	+	5.059E-29	2.7835E-27	0.263895	hyper	sig	chr15_74434273
chr19	56671520	56671520	+	5.06E-29	2.78376E-27	0.275821	hyper	sig	chr19_56671520
chr11	22433069	22433069	+	5.073E-29	2.79098E-27	0.308438	hyper	sig	chr11_22433069
chr6	1.08E+08	108165213	+	5.076E-29	2.79269E-27	0.374061	hyper	sig	chr6_108165213

chr2	80302934	80302934	+	5.089E-29	2.7995E-27	0.227043	hyper	sig	chr2_80302934
chr7	2570156	2570156	+	5.09E-29	2.79958E-27	-0.35056	hypo	sig	chr7_2570156
chr12	4809752	4809752	+	5.107E-29	2.80871E-27	0.228607	hyper	sig	chr12_4809752
chr21	43720543	43720543	+	5.121E-29	2.81624E-27	-0.24446	hypo	sig	chr21_43720543
chr7	19107759	19107759	+	5.13E-29	2.82072E-27	0.237155	hyper	sig	chr7_19107759
chr2	63055700	63055700	+	5.132E-29	2.82201E-27	0.213326	hyper	sig	chr2_63055700
chr4	4858299	4858299	+	5.145E-29	2.82852E-27	0.250042	hyper	sig	chr4_4858299
chr1	1.19E+08	119006574	+	5.146E-29	2.82902E-27	0.213077	hyper	sig	chr1_119006574
chr20	63178589	63178589	+	5.157E-29	2.83472E-27	0.256141	hyper	sig	chr20_63178589
chr14	1.01E+08	100570133	+	5.2E-29	2.85798E-27	-0.2681	hypo	sig	chr14_100570133
chr18	75205171	75205171	+	5.21E-29	2.86359E-27	0.269901	hyper	sig	chr18_75205171
chr8	8891327	8891327	+	5.212E-29	2.86413E-27	0.234004	hyper	sig	chr8_8891327
chr11	22433052	22433052	+	5.235E-29	2.87651E-27	0.295627	hyper	sig	chr11_22433052
chr15	74133728	74133728	+	5.235E-29	2.87651E-27	0.341118	hyper	sig	chr15_74133728
chr2	70889606	70889606	+	5.249E-29	2.884E-27	0.255287	hyper	sig	chr2_70889606
chr18	57428654	57428654	+	5.262E-29	2.89092E-27	0.296709	hyper	sig	chr18_57428654
chr13	1.02E+08	102400543	+	5.278E-29	2.89955E-27	0.279606	hyper	sig	chr13_102400543
chr15	70196714	70196714	+	5.286E-29	2.904E-27	-0.26279	hypo	sig	chr15_70196714
chr8	55939643	55939643	+	5.292E-29	2.90687E-27	0.273447	hyper	sig	chr8_55939643
chr12	54000196	54000196	+	5.302E-29	2.91203E-27	0.225657	hyper	sig	chr12_54000196
chr2	95025411	95025411	+	5.311E-29	2.91689E-27	0.259857	hyper	sig	chr2_95025411
chr17	35449679	35449679	+	5.325E-29	2.92427E-27	0.280637	hyper	sig	chr17_35449679
chr1	2.08E+08	207669717	+	5.327E-29	2.92503E-27	0.303391	hyper	sig	chr1_207669717
chr20	21702200	21702200	+	5.328E-29	2.92549E-27	0.290485	hyper	sig	chr20_21702200
chr13	42574155	42574155	+	5.34E-29	2.93206E-27	0.258345	hyper	sig	chr13_42574155
chr16	51113580	51113580	+	5.343E-29	2.9332E-27	0.221422	hyper	sig	chr16_51113580
chr3	62370605	62370605	+	5.345E-29	2.93407E-27	0.247875	hyper	sig	chr3_62370605
chr5	1.59E+08	159104639	+	5.372E-29	2.9487E-27	0.294844	hyper	sig	chr5_159104639
chr11	17719722	17719722	+	5.386E-29	2.9563E-27	0.34071	hyper	sig	chr11_17719722
chr9	1.31E+08	131013552	+	5.386E-29	2.9563E-27	-0.23527	hypo	sig	chr9_131013552
chr17	50575747	50575747	+	5.397E-29	2.962E-27	-0.27856	hypo	sig	chr17_50575747
chr11	2140937	2140937	+	5.398E-29	2.96237E-27	0.268595	hyper	sig	chr11_2140937
chr3	1.71E+08	170585355	+	5.409E-29	2.9682E-27	0.226949	hyper	sig	chr3_170585355
chr4	1.11E+08	110639958	+	5.426E-29	2.97739E-27	0.338123	hyper	sig	chr4_110639958
chr3	1.38E+08	137761854	+	5.43E-29	2.97919E-27	0.303018	hyper	sig	chr3_137761854
chr16	86578706	86578706	+	5.436E-29	2.98257E-27	0.276936	hyper	sig	chr16_86578706
chr5	1.35E+08	135039028	+	5.455E-29	2.99218E-27	0.285155	hyper	sig	chr5_135039028
chr12	1.15E+08	114735910	+	5.459E-29	2.99461E-27	0.320681	hyper	sig	chr12_114735910
chr17	78852936	78852936	+	5.481E-29	3.00646E-27	-0.27927	hypo	sig	chr17_78852936
chr1	15605946	15605946	+	5.495E-29	3.01356E-27	-0.3082	hypo	sig	chr1_15605946
chr11	733207	733207	+	5.495E-29	3.01356E-27	-0.29301	hypo	sig	chr11_733207
chr9	91992771	91992771	+	5.51E-29	3.02132E-27	-0.34749	hypo	sig	chr9_91992771
chr8	1.4E+08	140238568	+	5.514E-29	3.02359E-27	-0.26006	hypo	sig	chr8_140238568
chr2	1.85E+08	184598132	+	5.535E-29	3.03464E-27	0.219948	hyper	sig	chr2_184598132
chr14	28785736	28785736	+	5.547E-29	3.04104E-27	0.244458	hyper	sig	chr14_28785736
chr11	1217196	1217196	+	5.553E-29	3.04428E-27	-0.20447	hypo	sig	chr11_1217196
chr11	1.29E+08	128693175	+	5.566E-29	3.05106E-27	0.203405	hyper	sig	chr11_128693175
chr10	86367583	86367583	+	5.571E-29	3.05345E-27	0.237069	hyper	sig	chr10_86367583
chr5	1.29E+08	128965514	+	5.571E-29	3.05345E-27	0.259058	hyper	sig	chr5_128965514
chr3	1.2E+08	119810299	+	5.577E-29	3.05632E-27	0.255151	hyper	sig	chr3_119810299
chr1	1.45E+08	144567577	+	5.579E-29	3.05722E-27	0.387057	hyper	sig	chr1_144567577
chr1	3651168	3651168	+	5.602E-29	3.06957E-27	0.274325	hyper	sig	chr1_3651168
chr14	99792824	99792824	+	5.609E-29	3.07272E-27	0.281144	hyper	sig	chr14_99792824
chr11	22432714	22432714	+	5.63E-29	3.08436E-27	0.238173	hyper	sig	chr11_22432714
chr2	44932972	44932972	+	5.639E-29	3.08882E-27	0.242627	hyper	sig	chr2_44932972
chr16	85485158	85485158	+	5.66E-29	3.09984E-27	-0.25102	hypo	sig	chr16_85485158

chr6	50707803	50707803	+	5.662E-29	3.10097E-27	0.25206	hyper	sig	chr6_50707803
chr2	64643356	64643356	+	5.679E-29	3.1098E-27	-0.24389	hypo	sig	chr2_64643356
chr15	52795459	52795459	+	5.681E-29	3.11066E-27	0.275652	hyper	sig	chr15_52795459
chr2	66433123	66433123	+	5.681E-29	3.11066E-27	0.211415	hyper	sig	chr2_66433123
chr13	1.02E+08	102400558	+	5.695E-29	3.11817E-27	0.261381	hyper	sig	chr13_102400558
chr2	1.15E+08	115162395	+	5.704E-29	3.12274E-27	0.281533	hyper	sig	chr2_115162395
chr18	55590058	55590058	+	5.708E-29	3.12508E-27	0.230034	hyper	sig	chr18_55590058
chr9	1.34E+08	133635112	+	5.725E-29	3.13394E-27	-0.25893	hypo	sig	chr9_133635112
chr15	1.01E+08	101009042	+	5.731E-29	3.13687E-27	-0.26559	hypo	sig	chr15_101009042
chr8	26048060	26048060	+	5.756E-29	3.15067E-27	0.326151	hyper	sig	chr8_26048060
chr3	1.47E+08	147398168	+	5.758E-29	3.15151E-27	0.286896	hyper	sig	chr3_147398168
chr3	1.47E+08	147369920	+	5.763E-29	3.15388E-27	0.271989	hyper	sig	chr3_147369920
chr1	1.83E+08	182752324	+	5.766E-29	3.15544E-27	-0.33319	hypo	sig	chr1_182752324
chr17	8056578	8056578	+	5.798E-29	3.17242E-27	-0.20425	hypo	sig	chr17_8056578
chr3	62367882	62367882	+	5.798E-29	3.17251E-27	0.355944	hyper	sig	chr3_62367882
chr17	36939435	36939435	+	5.81E-29	3.17865E-27	0.252939	hyper	sig	chr17_36939435
chr1	90719213	90719213	+	5.813E-29	3.18017E-27	0.297573	hyper	sig	chr1_90719213
chr5	1.75E+08	174732744	+	5.813E-29	3.18017E-27	0.371861	hyper	sig	chr5_174732744
chr2	1.71E+08	170815285	+	5.82E-29	3.18345E-27	0.307351	hyper	sig	chr2_170815285
chr2	96527886	96527886	+	5.821E-29	3.18381E-27	0.342946	hyper	sig	chr2_96527886
chr10	1.01E+08	101227589	+	5.826E-29	3.18632E-27	0.212904	hyper	sig	chr10_101227589
chr6	99609267	99609267	+	5.834E-29	3.19024E-27	0.292445	hyper	sig	chr6_99609267
chr5	1931293	1931293	+	5.864E-29	3.20641E-27	0.221595	hyper	sig	chr5_1931293
chr5	3607009	3607009	+	5.873E-29	3.21114E-27	0.289412	hyper	sig	chr5_3607009
chr15	74047515	74047515	+	5.892E-29	3.22123E-27	-0.29113	hypo	sig	chr15_74047515
chr16	88205379	88205379	+	5.9E-29	3.22532E-27	-0.2185	hypo	sig	chr16_88205379
chr6	29792226	29792226	+	5.904E-29	3.22739E-27	0.291228	hyper	sig	chr6_29792226
chr13	1.13E+08	113417173	+	5.907E-29	3.2287E-27	-0.29329	hypo	sig	chr13_113417173
chr5	71719125	71719125	+	5.912E-29	3.23124E-27	0.375249	hyper	sig	chr5_71719125
chr17	83063922	83063922	+	5.959E-29	3.25662E-27	-0.22415	hypo	sig	chr17_83063922
chr8	49911766	49911766	+	5.98E-29	3.2675E-27	0.276031	hyper	sig	chr8_49911766
chr14	47675858	47675858	+	5.983E-29	3.26902E-27	0.29244	hyper	sig	chr14_47675858
chr1	2.08E+08	207645276	+	5.999E-29	3.27767E-27	0.433375	hyper	sig	chr1_207645276
chr10	93060329	93060329	+	6.01E-29	3.28329E-27	0.297861	hyper	sig	chr10_93060329
chr2	2.38E+08	238121945	+	6.036E-29	3.29708E-27	-0.31978	hypo	sig	chr2_238121945
chr11	30584648	30584648	+	6.039E-29	3.29888E-27	0.251107	hyper	sig	chr11_30584648
chr17	8408352	8408352	+	6.04E-29	3.29893E-27	-0.27351	hypo	sig	chr17_8408352
chr13	41455876	41455876	+	6.045E-29	3.30152E-27	-0.27456	hypo	sig	chr13_41455876
chr4	1.54E+08	153789613	+	6.054E-29	3.30633E-27	0.328929	hyper	sig	chr4_153789613
chr1	15605932	15605932	+	6.072E-29	3.31615E-27	-0.31097	hypo	sig	chr1_15605932
chr19	57935059	57935059	+	6.083E-29	3.32165E-27	0.336874	hyper	sig	chr19_57935059
chr3	1.54E+08	154428668	+	6.154E-29	3.3602E-27	0.333918	hyper	sig	chr3_154428668
chr8	1.34E+08	134478941	+	6.174E-29	3.37072E-27	-0.28337	hypo	sig	chr8_134478941
chr5	88689778	88689778	+	6.194E-29	3.3811E-27	0.270051	hyper	sig	chr5_88689778
chr2	50347380	50347380	+	6.206E-29	3.38734E-27	0.293612	hyper	sig	chr2_50347380
chr17	79986007	79986007	+	6.22E-29	3.3945E-27	-0.23016	hypo	sig	chr17_79986007
chr16	49277600	49277600	+	6.222E-29	3.39574E-27	0.25875	hyper	sig	chr16_49277600
chr13	36155040	36155040	+	6.245E-29	3.40775E-27	0.292146	hyper	sig	chr13_36155040
chr12	1.15E+08	114686977	+	6.25E-29	3.41035E-27	0.21097	hyper	sig	chr12_114686977
chr12	80708723	80708723	+	6.284E-29	3.42815E-27	0.259257	hyper	sig	chr12_80708723
chr8	84182542	84182542	+	6.29E-29	3.4313E-27	0.23815	hyper	sig	chr8_84182542
chr3	49686115	49686115	+	6.305E-29	3.4394E-27	0.272306	hyper	sig	chr3_49686115
chr19	23070416	23070416	+	6.307E-29	3.44015E-27	0.291102	hyper	sig	chr19_23070416
chr2	394261	394261	+	6.313E-29	3.4431E-27	-0.25403	hypo	sig	chr2_394261
chr5	2749634	2749634	+	6.321E-29	3.4476E-27	0.275718	hyper	sig	chr5_2749634
chr20	23049436	23049436	+	6.361E-29	3.46923E-27	0.227734	hyper	sig	chr20_23049436

chr10	75408460	75408460	+	6.385E-29	3.48197E-27	0.303294	hyper	sig	chr10_75408460
chr10	1.31E+08	131310731	+	6.4E-29	3.4897E-27	0.313016	hyper	sig	chr10_131310731
chr2	1.81E+08	181458175	+	6.401E-29	3.49016E-27	0.293765	hyper	sig	chr2_181458175
chr17	16683534	16683534	+	6.428E-29	3.50488E-27	0.293035	hyper	sig	chr17_16683534
chr8	48923628	48923628	+	6.459E-29	3.52143E-27	-0.23042	hypo	sig	chr8_48923628
chr14	64539209	64539209	+	6.489E-29	3.5375E-27	-0.32204	hypo	sig	chr14_64539209
chr17	733880	733880	+	6.51E-29	3.54853E-27	-0.36471	hypo	sig	chr17_733880
chr13	1.12E+08	112074094	+	6.513E-29	3.55014E-27	0.247529	hyper	sig	chr13_112074094
chr15	25863611	25863611	+	6.53E-29	3.55855E-27	0.274782	hyper	sig	chr15_25863611
chr19	39934509	39934509	+	6.545E-29	3.56677E-27	-0.32255	hypo	sig	chr19_39934509
chr8	1.08E+08	108083718	+	6.547E-29	3.56741E-27	0.212904	hyper	sig	chr8_108083718
chr8	1.43E+08	142777083	+	6.554E-29	3.57109E-27	0.263329	hyper	sig	chr8_142777083
chr8	70070783	70070783	+	6.57E-29	3.57927E-27	0.302449	hyper	sig	chr8_70070783
chr11	1850046	1850046	+	6.57E-29	3.57937E-27	-0.29865	hypo	sig	chr11_1850046
chr9	96491384	96491384	+	6.584E-29	3.5864E-27	-0.26935	hypo	sig	chr9_96491384
chr2	10162349	10162349	+	6.586E-29	3.58744E-27	-0.25118	hypo	sig	chr2_10162349
chr11	67421706	67421706	+	6.601E-29	3.59508E-27	-0.27187	hypo	sig	chr11_67421706
chr1	13584291	13584291	+	6.607E-29	3.59833E-27	0.338038	hyper	sig	chr1_13584291
chr13	78607981	78607981	+	6.628E-29	3.60945E-27	0.310368	hyper	sig	chr13_78607981
chr20	40690721	40690721	+	6.628E-29	3.60945E-27	0.268434	hyper	sig	chr20_40690721
chr10	1.01E+08	101062018	+	6.641E-29	3.61626E-27	-0.36794	hypo	sig	chr10_101062018
chr4	624745	624745	+	6.646E-29	3.61884E-27	-0.23612	hypo	sig	chr4_624745
chr20	40690730	40690730	+	6.65E-29	3.6203E-27	0.256433	hyper	sig	chr20_40690730
chr16	1129546	1129546	+	6.67E-29	3.63094E-27	-0.28909	hypo	sig	chr16_1129546
chr1	1.44E+08	143905339	+	6.678E-29	3.63505E-27	0.24075	hyper	sig	chr1_143905339
chr5	1.41E+08	140807613	+	6.713E-29	3.65387E-27	0.244741	hyper	sig	chr5_140807613
chr11	79486500	79486500	+	6.721E-29	3.65814E-27	-0.31987	hypo	sig	chr11_79486500
chr8	1.31E+08	131041577	+	6.749E-29	3.67302E-27	0.291872	hyper	sig	chr8_131041577
chr9	1.36E+08	136334555	+	6.757E-29	3.67667E-27	-0.30795	hypo	sig	chr9_136334555
chr10	1.01E+08	100519706	+	6.765E-29	3.68098E-27	0.354936	hyper	sig	chr10_100519706
chr3	13041928	13041928	+	6.766E-29	3.68104E-27	-0.2568	hypo	sig	chr3_13041928
chr1	1.65E+08	165445331	+	6.779E-29	3.68815E-27	0.250743	hyper	sig	chr1_165445331
chr13	70107683	70107683	+	6.781E-29	3.68864E-27	0.323815	hyper	sig	chr13_70107683
chr7	1.55E+08	155373068	+	6.788E-29	3.69231E-27	0.331255	hyper	sig	chr7_155373068
chr6	1.27E+08	127120537	+	6.806E-29	3.7017E-27	0.26053	hyper	sig	chr6_127120537
chr15	64894244	64894244	+	6.822E-29	3.71018E-27	0.264547	hyper	sig	chr15_64894244
chr1	12063434	12063434	+	6.845E-29	3.72214E-27	0.2245	hyper	sig	chr1_12063434
chr7	54542235	54542235	+	6.845E-29	3.72214E-27	0.285658	hyper	sig	chr7_54542235
chr20	5314491	5314491	+	6.851E-29	3.72498E-27	-0.28743	hypo	sig	chr20_5314491
chr1	90716748	90716748	+	6.866E-29	3.73288E-27	0.285507	hyper	sig	chr1_90716748
chr2	74516307	74516307	+	6.867E-29	3.73322E-27	0.224662	hyper	sig	chr2_74516307
chr6	28814510	28814510	+	6.874E-29	3.73673E-27	0.313585	hyper	sig	chr6_28814510
chr7	1.25E+08	124764254	+	6.891E-29	3.74605E-27	0.244836	hyper	sig	chr7_124764254
chr17	81401005	81401005	+	6.896E-29	3.74856E-27	0.371173	hyper	sig	chr17_81401005
chr19	29527782	29527782	+	6.906E-29	3.75338E-27	0.295694	hyper	sig	chr19_29527782
chr10	52771809	52771809	+	6.906E-29	3.75349E-27	-0.29587	hypo	sig	chr10_52771809
chr17	38578581	38578581	+	6.914E-29	3.75747E-27	0.2404	hyper	sig	chr17_38578581
chr11	1852819	1852819	+	6.915E-29	3.75769E-27	-0.29809	hypo	sig	chr11_1852819
chr14	1.04E+08	104304153	+	6.92E-29	3.76021E-27	-0.32898	hypo	sig	chr14_104304153
chr13	1.02E+08	102400525	+	6.923E-29	3.76177E-27	0.270944	hyper	sig	chr13_102400525
chr2	1.82E+08	181684873	+	6.928E-29	3.76397E-27	0.293925	hyper	sig	chr2_181684873
chr13	1.12E+08	112056468	+	6.957E-29	3.77956E-27	0.366444	hyper	sig	chr13_112056468
chr7	4810687	4810687	+	6.964E-29	3.78297E-27	-0.23558	hypo	sig	chr7_4810687
chr7	1.58E+08	157522046	+	6.965E-29	3.78334E-27	-0.20366	hypo	sig	chr7_157522046
chr17	74939811	74939811	+	6.97E-29	3.78582E-27	-0.27424	hypo	sig	chr17_74939811
chr4	1405463	1405463	+	6.972E-29	3.78636E-27	0.337125	hyper	sig	chr4_1405463

chr1	1.58E+08	158181624	+	6.981E-29	3.79088E-27	0.282766	hyper	sig	chr1_158181624
chr4	13535309	13535309	+	6.983E-29	3.7919E-27	0.25533	hyper	sig	chr4_13535309
chr14	88326569	88326569	+	7.006E-29	3.80442E-27	0.209003	hyper	sig	chr14_88326569
chr12	53960718	53960718	+	7.013E-29	3.80774E-27	0.25192	hyper	sig	chr12_53960718
chr4	80268781	80268781	+	7.023E-29	3.81294E-27	0.248918	hyper	sig	chr4_80268781
chr13	1.12E+08	112069264	+	7.04E-29	3.82172E-27	0.222644	hyper	sig	chr13_112069264
chr3	1.38E+08	137761925	+	7.048E-29	3.8256E-27	0.236579	hyper	sig	chr3_137761925
chr14	1.05E+08	104930055	+	7.056E-29	3.8296E-27	-0.27063	hypo	sig	chr14_104930055
chr19	33623383	33623383	+	7.057E-29	3.83001E-27	0.259153	hyper	sig	chr19_33623383
chr17	48599013	48599013	+	7.089E-29	3.84676E-27	-0.31999	hypo	sig	chr17_48599013
chr12	1.31E+08	130773727	+	7.094E-29	3.84894E-27	-0.2892	hypo	sig	chr12_130773727
chr12	75209272	75209272	+	7.122E-29	3.86379E-27	0.312621	hyper	sig	chr12_75209272
chr5	88678730	88678730	+	7.136E-29	3.87114E-27	0.21803	hyper	sig	chr5_88678730
chr5	2749627	2749627	+	7.141E-29	3.87376E-27	0.269284	hyper	sig	chr5_2749627
chr6	27680591	27680591	+	7.142E-29	3.87405E-27	0.260452	hyper	sig	chr6_27680591
chr4	89836497	89836497	+	7.174E-29	3.89106E-27	0.307226	hyper	sig	chr4_89836497
chr20	8132901	8132901	+	7.191E-29	3.89948E-27	0.275904	hyper	sig	chr20_8132901
chr14	1.04E+08	104220302	+	7.203E-29	3.90592E-27	-0.23592	hypo	sig	chr14_104220302
chr11	1.19E+08	119372019	+	7.215E-29	3.91197E-27	-0.30119	hypo	sig	chr11_119372019
chr2	45170814	45170814	+	7.228E-29	3.91871E-27	0.30314	hyper	sig	chr2_45170814
chr3	75622642	75622642	+	7.284E-29	3.94901E-27	-0.24764	hypo	sig	chr3_75622642
chr6	1E+08	100448156	+	7.292E-29	3.95288E-27	0.322813	hyper	sig	chr6_100448156
chr2	44928564	44928564	+	7.328E-29	3.97259E-27	0.253093	hyper	sig	chr2_44928564
chr7	1.55E+08	155454519	+	7.341E-29	3.97935E-27	0.223848	hyper	sig	chr7_155454519
chr16	88410186	88410186	+	7.343E-29	3.97999E-27	-0.26483	hypo	sig	chr16_88410186
chr3	1.33E+08	133037949	+	7.351E-29	3.98408E-27	0.258141	hyper	sig	chr3_133037949
chr1	47439836	47439836	+	7.365E-29	3.99153E-27	0.302807	hyper	sig	chr1_47439836
chr1	20343356	20343356	+	7.39E-29	4.00444E-27	0.271117	hyper	sig	chr1_20343356
chr15	79091415	79091415	+	7.406E-29	4.01279E-27	0.214852	hyper	sig	chr15_79091415
chr13	1.14E+08	114005180	+	7.42E-29	4.02037E-27	-0.28776	hypo	sig	chr13_114005180
chr8	743245	743245	+	7.427E-29	4.02387E-27	-0.26002	hypo	sig	chr8_743245
chr4	1.74E+08	173519512	+	7.442E-29	4.03152E-27	0.260399	hyper	sig	chr4_173519512
chr14	1.01E+08	100687688	+	7.448E-29	4.03489E-27	-0.2212	hypo	sig	chr14_100687688
chr7	1.58E+08	157768979	+	7.459E-29	4.04E-27	-0.24021	hypo	sig	chr7_157768979
chr1	90729135	90729135	+	7.468E-29	4.04488E-27	0.20834	hyper	sig	chr1_90729135
chr4	17781730	17781730	+	7.493E-29	4.05799E-27	0.296361	hyper	sig	chr4_17781730
chr2	2.38E+08	238139938	+	7.503E-29	4.06327E-27	-0.26875	hypo	sig	chr2_238139938
chr8	56445713	56445713	+	7.552E-29	4.08913E-27	0.249939	hyper	sig	chr8_56445713
chr19	56368092	56368092	+	7.598E-29	4.11338E-27	0.281976	hyper	sig	chr19_56368092
chr16	89817771	89817771	+	7.613E-29	4.12157E-27	-0.32866	hypo	sig	chr16_89817771
chr5	44389180	44389180	+	7.628E-29	4.129E-27	0.300987	hyper	sig	chr5_44389180
chr2	99593527	99593527	+	7.635E-29	4.13248E-27	-0.33017	hypo	sig	chr2_99593527
chr3	1.47E+08	147388888	+	7.644E-29	4.13713E-27	0.267745	hyper	sig	chr3_147388888
chr10	1.33E+08	133259472	+	7.68E-29	4.15651E-27	-0.24023	hypo	sig	chr10_133259472
chr16	86284166	86284166	+	7.709E-29	4.17147E-27	-0.28958	hypo	sig	chr16_86284166
chr11	1.32E+08	131910508	+	7.712E-29	4.17317E-27	0.283358	hyper	sig	chr11_131910508
chr16	1436399	1436399	+	7.716E-29	4.17469E-27	-0.32212	hypo	sig	chr16_1436399
chr15	40278307	40278307	+	7.73E-29	4.18192E-27	-0.23909	hypo	sig	chr15_40278307
chr4	1349054	1349054	+	7.744E-29	4.18933E-27	-0.25683	hypo	sig	chr4_1349054
chr1	10672871	10672871	+	7.782E-29	4.20994E-27	0.21005	hyper	sig	chr1_10672871
chr16	54932680	54932680	+	7.784E-29	4.21032E-27	0.265833	hyper	sig	chr16_54932680
chr2	1.82E+08	181684626	+	7.79E-29	4.21335E-27	0.277372	hyper	sig	chr2_181684626
chr22	19149398	19149398	+	7.81E-29	4.22399E-27	0.282448	hyper	sig	chr22_19149398
chr15	1.01E+08	100974007	+	7.826E-29	4.2325E-27	0.381663	hyper	sig	chr15_100974007
chr12	5043923	5043923	+	7.859E-29	4.2499E-27	0.375303	hyper	sig	chr12_5043923
chr6	50820271	50820271	+	7.859E-29	4.2499E-27	0.27686	hyper	sig	chr6_50820271

chr5	1.77E+08	177116970	+	7.872E-29	4.25626E-27	0.256634	hyper	sig	chr5_177116970
chr5	1.11E+08	111070818	+	7.873E-29	4.25653E-27	0.257234	hyper	sig	chr5_111070818
chr16	1436104	1436104	+	7.914E-29	4.27857E-27	-0.29504	hypo	sig	chr16_1436104
chr6	1.5E+08	149965372	+	7.919E-29	4.2808E-27	0.232908	hyper	sig	chr6_149965372
chr11	43581342	43581342	+	7.921E-29	4.2816E-27	0.252696	hyper	sig	chr11_43581342
chr6	1.46E+08	146029264	+	7.931E-29	4.2868E-27	0.256757	hyper	sig	chr6_146029264
chr7	45159215	45159215	+	7.95E-29	4.29668E-27	-0.29581	hypo	sig	chr7_45159215
chr10	1.33E+08	133165799	+	7.981E-29	4.31334E-27	-0.21522	hypo	sig	chr10_133165799
chr7	1.57E+08	157125028	+	7.991E-29	4.31825E-27	-0.24666	hypo	sig	chr7_157125028
chr17	81158143	81158143	+	8.007E-29	4.32647E-27	-0.27541	hypo	sig	chr17_81158143
chr13	1.1E+08	110438395	+	8.054E-29	4.35122E-27	-0.20338	hypo	sig	chr13_110438395
chr2	1.87E+08	186849272	+	8.054E-29	4.35123E-27	0.223851	hyper	sig	chr2_186849272
chr11	44311408	44311408	+	8.064E-29	4.35631E-27	0.221117	hyper	sig	chr11_44311408
chr11	59062718	59062718	+	8.079E-29	4.36422E-27	0.239576	hyper	sig	chr11_59062718
chr8	70069804	70069804	+	8.082E-29	4.36534E-27	0.217449	hyper	sig	chr8_70069804
chr14	60507156	60507156	+	8.085E-29	4.36653E-27	0.318873	hyper	sig	chr14_60507156
chr16	84302506	84302506	+	8.107E-29	4.37836E-27	-0.27411	hypo	sig	chr16_84302506
chr3	62378389	62378389	+	8.112E-29	4.38085E-27	0.242164	hyper	sig	chr3_62378389
chr5	1.41E+08	141478136	+	8.13E-29	4.39014E-27	0.304261	hyper	sig	chr5_141478136
chr4	1.44E+08	143700267	+	8.137E-29	4.39341E-27	0.328905	hyper	sig	chr4_143700267
chr5	1.79E+08	178590826	+	8.156E-29	4.40383E-27	0.201879	hyper	sig	chr5_178590826
chr8	11853464	11853464	+	8.168E-29	4.40928E-27	-0.31198	hypo	sig	chr8_11853464
chr8	1.42E+08	141903050	+	8.179E-29	4.41514E-27	0.22232	hyper	sig	chr8_141903050
chr2	1.76E+08	176099613	+	8.18E-29	4.41548E-27	0.315685	hyper	sig	chr2_176099613
chr17	68198656	68198656	+	8.204E-29	4.4279E-27	0.234798	hyper	sig	chr17_68198656
chr14	1.04E+08	104163727	+	8.212E-29	4.43187E-27	-0.28434	hypo	sig	chr14_104163727
chr6	36285312	36285312	+	8.237E-29	4.44546E-27	0.259706	hyper	sig	chr6_36285312
chr17	76000166	76000166	+	8.266E-29	4.46083E-27	-0.2666	hypo	sig	chr17_76000166
chr16	377783	377783	+	8.271E-29	4.46309E-27	-0.24057	hypo	sig	chr16_377783
chr7	97018570	97018570	+	8.297E-29	4.47669E-27	0.336922	hyper	sig	chr7_97018570
chr1	47450105	47450105	+	8.302E-29	4.47885E-27	-0.23638	hypo	sig	chr1_47450105
chr3	32819858	32819858	+	8.31E-29	4.48334E-27	0.258188	hyper	sig	chr3_32819858
chr12	54090493	54090493	+	8.315E-29	4.48576E-27	0.21518	hyper	sig	chr12_54090493
chr1	1.65E+08	165445346	+	8.32E-29	4.48815E-27	0.280878	hyper	sig	chr1_165445346
chr10	3287729	3287729	+	8.34E-29	4.4985E-27	-0.23292	hypo	sig	chr10_3287729
chr5	1877853	1877853	+	8.345E-29	4.50076E-27	0.273122	hyper	sig	chr5_1877853
chr5	1.11E+08	111070716	+	8.35E-29	4.50299E-27	0.219067	hyper	sig	chr5_111070716
chr8	23706512	23706512	+	8.377E-29	4.51713E-27	0.288371	hyper	sig	chr8_23706512
chr11	1.35E+08	134712860	+	8.385E-29	4.52102E-27	-0.30993	hypo	sig	chr11_134712860
chr16	88416363	88416363	+	8.397E-29	4.52743E-27	-0.36038	hypo	sig	chr16_88416363
chr6	1.59E+08	159129224	+	8.408E-29	4.533E-27	-0.28488	hypo	sig	chr6_159129224
chr2	1.71E+08	170823104	+	8.427E-29	4.54272E-27	0.315064	hyper	sig	chr2_170823104
chr11	69967160	69967160	+	8.447E-29	4.55335E-27	-0.24879	hypo	sig	chr11_69967160
chr8	54466665	54466665	+	8.458E-29	4.55889E-27	0.240564	hyper	sig	chr8_54466665
chr13	1.02E+08	101916574	+	8.471E-29	4.56556E-27	0.294644	hyper	sig	chr13_101916574
chr5	1.46E+08	146342885	+	8.49E-29	4.57548E-27	0.244206	hyper	sig	chr5_146342885
chr7	64877552	64877552	+	8.493E-29	4.57681E-27	0.303582	hyper	sig	chr7_64877552
chr15	88255524	88255524	+	8.516E-29	4.58895E-27	0.254794	hyper	sig	chr15_88255524
chr1	16520812	16520812	+	8.523E-29	4.59222E-27	0.228682	hyper	sig	chr1_16520812
chr1	1.47E+08	147079014	+	8.524E-29	4.59248E-27	0.275339	hyper	sig	chr1_147079014
chr17	47719490	47719490	+	8.541E-29	4.60118E-27	-0.20821	hypo	sig	chr17_47719490
chr17	82311619	82311619	+	8.564E-29	4.61359E-27	-0.22368	hypo	sig	chr17_82311619
chr19	35558440	35558440	+	8.589E-29	4.62647E-27	0.291341	hyper	sig	chr19_35558440
chr1	1.19E+08	118989379	+	8.624E-29	4.64515E-27	0.30033	hyper	sig	chr1_118989379
chr16	77788886	77788886	+	8.629E-29	4.64751E-27	0.323613	hyper	sig	chr16_77788886
chr19	22286455	22286455	+	8.631E-29	4.64846E-27	0.313829	hyper	sig	chr19_22286455

chr15	74133202	74133202	+	8.648E-29	4.65709E-27	0.332176	hyper	sig	chr15_74133202
chr1	1.19E+08	118983605	+	8.65E-29	4.65799E-27	0.272101	hyper	sig	chr1_118983605
chr2	74515204	74515204	+	8.674E-29	4.67075E-27	0.211732	hyper	sig	chr2_74515204
chr9	97852665	97852665	+	8.682E-29	4.67461E-27	0.327334	hyper	sig	chr9_97852665
chr16	6483178	6483178	+	8.763E-29	4.71799E-27	0.234879	hyper	sig	chr16_6483178
chr4	963773	963773	+	8.78E-29	4.72687E-27	-0.28448	hypo	sig	chr4_963773
chr12	1.3E+08	130161075	+	8.787E-29	4.73007E-27	0.30395	hyper	sig	chr12_130161075
chr4	52077010	52077010	+	8.838E-29	4.75701E-27	0.271849	hyper	sig	chr4_52077010
chr20	45297955	45297955	+	8.913E-29	4.7972E-27	-0.29246	hypo	sig	chr20_45297955
chr13	20713146	20713146	+	8.947E-29	4.81504E-27	-0.28513	hypo	sig	chr13_20713146
chr4	1.74E+08	173531365	+	8.952E-29	4.81721E-27	0.253923	hyper	sig	chr4_173531365
chr11	64972012	64972012	+	8.955E-29	4.81862E-27	0.289902	hyper	sig	chr11_64972012
chr11	1.33E+08	133064267	+	8.958E-29	4.82008E-27	0.238217	hyper	sig	chr11_133064267
chr7	4093661	4093661	+	8.963E-29	4.82241E-27	0.299699	hyper	sig	chr7_4093661
chr2	5696606	5696606	+	9.005E-29	4.84444E-27	0.346216	hyper	sig	chr2_5696606
chr19	33622543	33622543	+	9.013E-29	4.84839E-27	0.232003	hyper	sig	chr19_33622543
chr7	1.55E+08	155450203	+	9.043E-29	4.86398E-27	0.276314	hyper	sig	chr7_155450203
chr4	65670885	65670885	+	9.071E-29	4.87862E-27	0.207758	hyper	sig	chr4_65670885
chr17	18634749	18634749	+	9.078E-29	4.88245E-27	0.254262	hyper	sig	chr17_18634749
chr7	1.17E+08	117320753	+	9.083E-29	4.88434E-27	-0.20734	hypo	sig	chr7_117320753
chr15	70196723	70196723	+	9.087E-29	4.88654E-27	-0.25844	hypo	sig	chr15_70196723
chr5	1.41E+08	140795058	+	9.088E-29	4.88654E-27	0.243162	hyper	sig	chr5_140795058
chr1	6276703	6276703	+	9.124E-29	4.90545E-27	0.241099	hyper	sig	chr1_6276703
chr16	84302794	84302794	+	9.141E-29	4.91432E-27	-0.2522	hypo	sig	chr16_84302794
chr14	97219583	97219583	+	9.143E-29	4.91501E-27	0.265502	hyper	sig	chr14_97219583
chr8	55939674	55939674	+	9.151E-29	4.91903E-27	0.267578	hyper	sig	chr8_55939674
chr6	98824066	98824066	+	9.197E-29	4.94298E-27	0.265177	hyper	sig	chr6_98824066
chr6	1.37E+08	137495871	+	9.262E-29	4.9777E-27	0.2798	hyper	sig	chr6_137495871
chr19	7880077	7880077	+	9.266E-29	4.97973E-27	-0.39495	hypo	sig	chr19_7880077
chr2	1.76E+08	176118791	+	9.269E-29	4.98112E-27	-0.2872	hypo	sig	chr2_176118791
chr6	1449107	1449107	+	9.314E-29	5.00502E-27	-0.33115	hypo	sig	chr6_1449107
chr16	88919335	88919335	+	9.336E-29	5.01617E-27	-0.24448	hypo	sig	chr16_88919335
chr4	4858122	4858122	+	9.357E-29	5.02725E-27	0.294007	hyper	sig	chr4_4858122
chr12	75209332	75209332	+	9.364E-29	5.03051E-27	0.335299	hyper	sig	chr12_75209332
chr11	1.14E+08	114076276	+	9.366E-29	5.03116E-27	-0.36656	hypo	sig	chr11_114076276
chr6	72621367	72621367	+	9.366E-29	5.03116E-27	0.213609	hyper	sig	chr6_72621367
chr12	57674787	57674787	+	9.377E-29	5.03679E-27	0.240089	hyper	sig	chr12_57674787
chr2	1.15E+08	115162602	+	9.382E-29	5.03908E-27	0.343431	hyper	sig	chr2_115162602
chr1	27351575	27351575	+	9.398E-29	5.04742E-27	0.241959	hyper	sig	chr1_27351575
chr1	2.28E+08	228215618	+	9.408E-29	5.05212E-27	-0.22187	hypo	sig	chr1_228215618
chr4	1.4E+08	140426889	+	9.416E-29	5.05616E-27	0.250718	hyper	sig	chr4_140426889
chr12	47086213	47086213	+	9.46E-29	5.07968E-27	-0.31929	hypo	sig	chr12_47086213
chr7	1.5E+08	150220233	+	9.464E-29	5.08154E-27	0.293766	hyper	sig	chr7_150220233
chr1	1.67E+08	166919447	+	9.488E-29	5.09342E-27	-0.29087	hypo	sig	chr1_166919447
chr4	46909210	46909210	+	9.488E-29	5.09342E-27	0.203024	hyper	sig	chr4_46909210
chr15	83283144	83283144	+	9.51E-29	5.10458E-27	0.278995	hyper	sig	chr15_83283144
chr16	51156331	51156331	+	9.551E-29	5.1263E-27	0.311815	hyper	sig	chr16_51156331
chr14	24132599	24132599	+	9.578E-29	5.1407E-27	-0.27515	hypo	sig	chr14_24132599
chr1	75128580	75128580	+	9.594E-29	5.14861E-27	0.271492	hyper	sig	chr1_75128580
chr6	29827019	29827019	+	9.603E-29	5.15345E-27	-0.31046	hypo	sig	chr6_29827019
chr9	98944393	98944393	+	9.619E-29	5.16114E-27	0.231199	hyper	sig	chr9_98944393
chr8	64370696	64370696	+	9.641E-29	5.17281E-27	0.258561	hyper	sig	chr8_64370696
chr6	1.69E+08	169429927	+	9.672E-29	5.18893E-27	-0.34979	hypo	sig	chr6_169429927
chr12	98895571	98895571	+	9.699E-29	5.20319E-27	0.341271	hyper	sig	chr12_98895571
chr12	1.3E+08	130163024	+	9.722E-29	5.2152E-27	0.313817	hyper	sig	chr12_130163024
chr8	79611138	79611138	+	9.734E-29	5.22109E-27	0.247553	hyper	sig	chr8_79611138

chr10	49322726	49322726	+	9.739E-29	5.22301E-27	-0.21569	hypo	sig	chr10_49322726
chr3	1.47E+08	147412745	+	9.747E-29	5.22618E-27	0.324635	hyper	sig	chr3_147412745
chr6	98825224	98825224	+	9.745E-29	5.22618E-27	0.233418	hyper	sig	chr6_98825224
chr16	29181940	29181940	+	9.774E-29	5.24067E-27	-0.24785	hypo	sig	chr16_29181940
chr11	31799820	31799820	+	9.787E-29	5.24694E-27	0.232945	hyper	sig	chr11_31799820
chr19	58155496	58155496	+	9.799E-29	5.25321E-27	0.251283	hyper	sig	chr19_58155496
chr11	1339051	1339051	+	9.809E-29	5.25833E-27	-0.25164	hypo	sig	chr11_1339051
chr22	36939413	36939413	+	9.821E-29	5.26422E-27	-0.2655	hypo	sig	chr22_36939413
chr8	1.43E+08	143187141	+	9.827E-29	5.26709E-27	-0.3114	hypo	sig	chr8_143187141
chr5	1.78E+08	177984732	+	9.85E-29	5.27905E-27	0.287762	hyper	sig	chr5_177984732
chr20	63392825	63392825	+	9.855E-29	5.28157E-27	-0.34663	hypo	sig	chr20_63392825
chr6	6614198	6614198	+	9.875E-29	5.29197E-27	-0.2961	hypo	sig	chr6_6614198
chr1	90719226	90719226	+	9.877E-29	5.29265E-27	0.279274	hyper	sig	chr1_90719226
chr3	1.33E+08	133038901	+	9.895E-29	5.30173E-27	0.313733	hyper	sig	chr3_133038901
chr13	1.12E+08	112074082	+	9.906E-29	5.30722E-27	0.252113	hyper	sig	chr13_112074082
chr16	89834365	89834365	+	9.918E-29	5.31362E-27	-0.3398	hypo	sig	chr16_89834365
chr1	94540892	94540892	+	9.964E-29	5.3378E-27	-0.25439	hypo	sig	chr1_94540892
chr2	1E+08	100322495	+	9.983E-29	5.34757E-27	0.308153	hyper	sig	chr2_100322495
chr7	1.02E+08	102119366	+	9.992E-29	5.35207E-27	-0.30838	hypo	sig	chr7_102119366
chr1	2496609	2496609	+	1E-28	5.35636E-27	-0.30862	hypo	sig	chr1_2496609
chr10	1.28E+08	128214913	+	1.003E-28	5.36854E-27	-0.32128	hypo	sig	chr10_128214913
chr2	1.06E+08	106066223	+	1.004E-28	5.37506E-27	0.323228	hyper	sig	chr2_106066223
chr13	1.12E+08	111640240	+	1.006E-28	5.38834E-27	-0.25045	hypo	sig	chr13_111640240
chr20	45316737	45316737	+	1.012E-28	5.41901E-27	0.28259	hyper	sig	chr20_45316737
chr7	97018011	97018011	+	1.013E-28	5.42404E-27	0.223283	hyper	sig	chr7_97018011
chr11	32433366	32433366	+	1.014E-28	5.4287E-27	0.221788	hyper	sig	chr11_32433366
chr16	89817580	89817580	+	1.015E-28	5.43574E-27	-0.26869	hypo	sig	chr16_89817580
chr19	56838706	56838706	+	1.017E-28	5.44404E-27	0.229137	hyper	sig	chr19_56838706
chr8	11703078	11703078	+	1.019E-28	5.45443E-27	0.240092	hyper	sig	chr8_11703078
chr19	57600396	57600396	+	1.021E-28	5.46573E-27	0.227997	hyper	sig	chr19_57600396
chr13	1.01E+08	101416810	+	1.022E-28	5.46847E-27	0.24773	hyper	sig	chr13_101416810
chr14	60511237	60511237	+	1.023E-28	5.47239E-27	0.239976	hyper	sig	chr14_60511237
chr12	41189588	41189588	+	1.026E-28	5.4925E-27	0.316854	hyper	sig	chr12_41189588
chr9	98249436	98249436	+	1.034E-28	5.53445E-27	-0.30554	hypo	sig	chr9_98249436
chr6	1.12E+08	112347320	+	1.035E-28	5.5396E-27	-0.21338	hypo	sig	chr6_112347320
chr5	1.41E+08	141415475	+	1.04E-28	5.56141E-27	0.227235	hyper	sig	chr5_141415475
chr1	98049538	98049538	+	1.04E-28	5.56464E-27	0.210555	hyper	sig	chr1_98049538
chr6	1.01E+08	101399512	+	1.041E-28	5.56941E-27	0.233497	hyper	sig	chr6_101399512
chr1	2428635	2428635	+	1.043E-28	5.58054E-27	-0.2402	hypo	sig	chr1_2428635
chr17	48607348	48607348	+	1.044E-28	5.58408E-27	-0.20647	hypo	sig	chr17_48607348
chr16	3305088	3305088	+	1.046E-28	5.5927E-27	0.366376	hyper	sig	chr16_3305088
chr22	46077240	46077240	+	1.046E-28	5.59623E-27	-0.29861	hypo	sig	chr22_46077240
chr1	1.57E+08	156845170	+	1.047E-28	5.59776E-27	0.252015	hyper	sig	chr1_156845170
chr14	60507360	60507360	+	1.047E-28	5.59875E-27	0.39752	hyper	sig	chr14_60507360
chr3	1.58E+08	158095692	+	1.048E-28	5.60574E-27	0.277012	hyper	sig	chr3_158095692
chr6	1.7E+08	170177195	+	1.051E-28	5.61896E-27	-0.33525	hypo	sig	chr6_170177195
chr14	1.06E+08	105772949	+	1.057E-28	5.65153E-27	-0.26122	hypo	sig	chr14_105772949
chr5	1.41E+08	141431560	+	1.061E-28	5.66987E-27	0.271784	hyper	sig	chr5_141431560
chr1	1.81E+08	181483699	+	1.062E-28	5.67537E-27	0.264168	hyper	sig	chr1_181483699
chr18	57441620	57441620	+	1.064E-28	5.68845E-27	0.205042	hyper	sig	chr18_57441620
chr13	1.01E+08	101416900	+	1.067E-28	5.70209E-27	0.226525	hyper	sig	chr13_101416900
chr4	72032079	72032079	+	1.067E-28	5.70224E-27	0.31578	hyper	sig	chr4_72032079
chr7	1.55E+08	155467705	+	1.068E-28	5.70523E-27	0.227752	hyper	sig	chr7_155467705
chr9	98249374	98249374	+	1.076E-28	5.74786E-27	-0.396	hypo	sig	chr9_98249374
chr13	93227308	93227308	+	1.077E-28	5.75436E-27	0.265137	hyper	sig	chr13_93227308
chr16	10183446	10183446	+	1.077E-28	5.75436E-27	0.202194	hyper	sig	chr16_10183446

chr12	1.15E+08	114686968	+	1.083E-28	5.78516E-27	0.215422	hyper	sig	chr12_114686968
chr12	80708688	80708688	+	1.083E-28	5.78626E-27	0.273034	hyper	sig	chr12_80708688
chr21	33071798	33071798	+	1.085E-28	5.79423E-27	0.242838	hyper	sig	chr21_33071798
chr12	1.32E+08	131872466	+	1.089E-28	5.81345E-27	-0.27911	hypo	sig	chr12_131872466
chr12	1.15E+08	114697252	+	1.09E-28	5.82021E-27	0.217848	hyper	sig	chr12_114697252
chr17	8056721	8056721	+	1.092E-28	5.83304E-27	-0.31731	hypo	sig	chr17_8056721
chr7	64045770	64045770	+	1.094E-28	5.84023E-27	0.291617	hyper	sig	chr7_64045770
chr1	1.14E+08	114154312	+	1.095E-28	5.8453E-27	0.203031	hyper	sig	chr1_114154312
chr4	1.33E+08	133148454	+	1.095E-28	5.84635E-27	0.34495	hyper	sig	chr4_133148454
chr2	7031785	7031785	+	1.098E-28	5.85997E-27	-0.20896	hypo	sig	chr2_7031785
chr7	1169859	1169859	+	1.1E-28	5.87085E-27	0.243843	hyper	sig	chr7_1169859
chr12	1.32E+08	132329067	+	1.101E-28	5.87429E-27	0.258039	hyper	sig	chr12_132329067
chr17	18634775	18634775	+	1.104E-28	5.89131E-27	0.271918	hyper	sig	chr17_18634775
chr1	1.47E+08	147079228	+	1.105E-28	5.89646E-27	0.348745	hyper	sig	chr1_147079228
chr5	1.8E+08	179530575	+	1.108E-28	5.91522E-27	0.206759	hyper	sig	chr5_179530575
chr8	64578680	64578680	+	1.112E-28	5.93359E-27	0.279972	hyper	sig	chr8_64578680
chr1	57422956	57422956	+	1.112E-28	5.9352E-27	0.229793	hyper	sig	chr1_57422956
chr7	1.57E+08	157020308	+	1.119E-28	5.96861E-27	0.262196	hyper	sig	chr7_157020308
chr4	1.21E+08	121380549	+	1.123E-28	5.99014E-27	0.311822	hyper	sig	chr4_121380549
chr14	41607899	41607899	+	1.124E-28	5.993E-27	0.274585	hyper	sig	chr14_41607899
chr17	35488432	35488432	+	1.127E-28	6.01174E-27	0.280714	hyper	sig	chr17_35488432
chr4	7983509	7983509	+	1.134E-28	6.04581E-27	0.256548	hyper	sig	chr4_7983509
chr13	95552912	95552912	+	1.137E-28	6.06093E-27	0.380379	hyper	sig	chr13_95552912
chr12	54090512	54090512	+	1.137E-28	6.06504E-27	0.234988	hyper	sig	chr12_54090512
chr5	77973064	77973064	+	1.144E-28	6.10057E-27	0.255013	hyper	sig	chr5_77973064
chr15	83283845	83283845	+	1.145E-28	6.10589E-27	0.317726	hyper	sig	chr15_83283845
chr4	1404677	1404677	+	1.146E-28	6.10712E-27	0.246152	hyper	sig	chr4_1404677
chr1	38134508	38134508	+	1.146E-28	6.10823E-27	0.217651	hyper	sig	chr1_38134508
chr12	1.33E+08	132904798	+	1.149E-28	6.12366E-27	0.277319	hyper	sig	chr12_132904798
chr1	3651151	3651151	+	1.153E-28	6.14461E-27	0.271844	hyper	sig	chr1_3651151
chr15	59995294	59995294	+	1.155E-28	6.15353E-27	0.258997	hyper	sig	chr15_59995294
chr10	1.33E+08	132940866	+	1.155E-28	6.15618E-27	-0.26086	hypo	sig	chr10_132940866
chr6	10382621	10382621	+	1.156E-28	6.15897E-27	0.275788	hyper	sig	chr6_10382621
chr11	64061241	64061241	+	1.157E-28	6.16253E-27	0.218219	hyper	sig	chr11_64061241
chr1	3747268	3747268	+	1.157E-28	6.16616E-27	0.22551	hyper	sig	chr1_3747268
chr4	1.55E+08	155376787	+	1.16E-28	6.17766E-27	0.207555	hyper	sig	chr4_155376787
chr19	56507717	56507717	+	1.161E-28	6.18547E-27	0.301912	hyper	sig	chr19_56507717
chr20	21396318	21396318	+	1.163E-28	6.19439E-27	0.252651	hyper	sig	chr20_21396318
chr4	6245853	6245853	+	1.164E-28	6.19662E-27	0.231481	hyper	sig	chr4_6245853
chr7	1235631	1235631	+	1.171E-28	6.23824E-27	0.231989	hyper	sig	chr7_1235631
chr11	1.16E+08	115659463	+	1.174E-28	6.24933E-27	0.24516	hyper	sig	chr11_115659463
chr4	1.74E+08	173519522	+	1.175E-28	6.25532E-27	0.28547	hyper	sig	chr4_173519522
chr8	53877171	53877171	+	1.179E-28	6.27778E-27	0.344323	hyper	sig	chr8_53877171
chr11	1.14E+08	114076314	+	1.18E-28	6.28067E-27	-0.31844	hypo	sig	chr11_114076314
chr21	33025966	33025966	+	1.18E-28	6.28159E-27	0.315635	hyper	sig	chr21_33025966
chr2	2.22E+08	222304738	+	1.184E-28	6.30078E-27	0.298309	hyper	sig	chr2_222304738
chr1	3208033	3208033	+	1.185E-28	6.30925E-27	-0.23718	hypo	sig	chr1_3208033
chr19	56507534	56507534	+	1.186E-28	6.31371E-27	0.318338	hyper	sig	chr19_56507534
chr19	53133056	53133056	+	1.191E-28	6.33688E-27	0.21172	hyper	sig	chr19_53133056
chr7	1.56E+08	155795778	+	1.194E-28	6.35147E-27	-0.27078	hypo	sig	chr7_155795778
chr3	27730311	27730311	+	1.198E-28	6.37251E-27	0.269994	hyper	sig	chr3_27730311
chr19	53255282	53255282	+	1.198E-28	6.37532E-27	0.354331	hyper	sig	chr19_53255282
chr6	1.08E+08	108167390	+	1.2E-28	6.38248E-27	0.265234	hyper	sig	chr6_108167390
chr8	1.31E+08	131042467	+	1.202E-28	6.39729E-27	0.298674	hyper	sig	chr8_131042467
chr17	48734130	48734130	+	1.205E-28	6.4131E-27	0.244183	hyper	sig	chr17_48734130
chr7	1.02E+08	102119293	+	1.207E-28	6.42244E-27	-0.36088	hypo	sig	chr7_102119293

chr17	34156919	34156919	+	1.208E-28	6.4276E-27	0.247023	hyper	sig	chr17_34156919
chr7	27106669	27106669	+	1.213E-28	6.45152E-27	0.244509	hyper	sig	chr7_27106669
chr13	95552930	95552930	+	1.216E-28	6.46793E-27	0.394577	hyper	sig	chr13_95552930
chr14	1.04E+08	104357859	+	1.219E-28	6.48088E-27	-0.27035	hypo	sig	chr14_104357859
chr5	1.77E+08	177116961	+	1.219E-28	6.48469E-27	0.251586	hyper	sig	chr5_177116961
chr17	48727004	48727004	+	1.22E-28	6.48939E-27	0.250465	hyper	sig	chr17_48727004
chr18	77251842	77251842	+	1.221E-28	6.49078E-27	0.322304	hyper	sig	chr18_77251842
chr16	62035902	62035902	+	1.221E-28	6.49229E-27	0.344794	hyper	sig	chr16_62035902
chr12	1.04E+08	104458177	+	1.222E-28	6.4942E-27	0.262948	hyper	sig	chr12_104458177
chr20	1807602	1807602	+	1.224E-28	6.50573E-27	-0.32109	hypo	sig	chr20_1807602
chr6	84764931	84764931	+	1.225E-28	6.50963E-27	0.258912	hyper	sig	chr6_84764931
chr8	88326829	88326829	+	1.228E-28	6.52826E-27	0.252322	hyper	sig	chr8_88326829
chr16	89383652	89383652	+	1.231E-28	6.54122E-27	-0.26905	hypo	sig	chr16_89383652
chr7	30136550	30136550	+	1.231E-28	6.5435E-27	0.301182	hyper	sig	chr7_30136550
chr6	27312185	27312185	+	1.233E-28	6.55217E-27	0.209996	hyper	sig	chr6_27312185
chr1	38044522	38044522	+	1.238E-28	6.57788E-27	0.274968	hyper	sig	chr1_38044522
chr6	31587169	31587169	+	1.24E-28	6.5867E-27	-0.23733	hypo	sig	chr6_31587169
chr3	26622817	26622817	+	1.241E-28	6.59382E-27	0.310679	hyper	sig	chr3_26622817
chr17	57863247	57863247	+	1.242E-28	6.59649E-27	-0.29726	hypo	sig	chr17_57863247
chr19	23914951	23914951	+	1.242E-28	6.59903E-27	0.224083	hyper	sig	chr19_23914951
chr2	5693037	5693037	+	1.244E-28	6.60534E-27	0.303668	hyper	sig	chr2_5693037
chr15	64894246	64894246	+	1.251E-28	6.64537E-27	0.262029	hyper	sig	chr15_64894246
chr8	1463775	1463775	+	1.253E-28	6.65649E-27	-0.28229	hypo	sig	chr8_1463775
chr3	1.27E+08	126540565	+	1.256E-28	6.66948E-27	-0.3119	hypo	sig	chr3_126540565
chr8	66962131	66962131	+	1.262E-28	6.70394E-27	0.223748	hyper	sig	chr8_66962131
chr16	89064554	89064554	+	1.263E-28	6.70776E-27	-0.2335	hypo	sig	chr16_89064554
chr1	6276421	6276421	+	1.264E-28	6.70888E-27	0.285166	hyper	sig	chr1_6276421
chr14	60507743	60507743	+	1.265E-28	6.71726E-27	0.235037	hyper	sig	chr14_60507743
chr7	813429	813429	+	1.265E-28	6.71761E-27	-0.22808	hypo	sig	chr7_813429
chr11	20159878	20159878	+	1.267E-28	6.72435E-27	0.289128	hyper	sig	chr11_20159878
chr17	76000250	76000250	+	1.27E-28	6.74122E-27	-0.23703	hypo	sig	chr17_76000250
chr16	85222715	85222715	+	1.274E-28	6.75924E-27	-0.25513	hypo	sig	chr16_85222715
chr10	1.01E+08	101062251	+	1.274E-28	6.76204E-27	-0.33438	hypo	sig	chr10_101062251
chr5	1.41E+08	141135325	+	1.275E-28	6.76745E-27	0.264651	hyper	sig	chr5_141135325
chr5	1.35E+08	135039061	+	1.287E-28	6.82737E-27	0.278902	hyper	sig	chr5_135039061
chr6	1.08E+08	108174661	+	1.291E-28	6.8504E-27	0.289672	hyper	sig	chr6_108174661
chr10	1.03E+08	103278016	+	1.293E-28	6.85786E-27	0.267239	hyper	sig	chr10_103278016
chr8	11704246	11704246	+	1.293E-28	6.85885E-27	0.332085	hyper	sig	chr8_11704246
chr5	77638842	77638842	+	1.294E-28	6.86543E-27	0.257925	hyper	sig	chr5_77638842
chr6	50707833	50707833	+	1.296E-28	6.87635E-27	0.247333	hyper	sig	chr6_50707833
chr19	1775250	1775250	+	1.299E-28	6.88802E-27	0.238757	hyper	sig	chr19_1775250
chr5	1657290	1657290	+	1.299E-28	6.88967E-27	-0.33137	hypo	sig	chr5_1657290
chr4	1.55E+08	154741935	+	1.299E-28	6.89031E-27	0.254127	hyper	sig	chr4_154741935
chr10	99527895	99527895	+	1.302E-28	6.90252E-27	0.285647	hyper	sig	chr10_99527895
chr6	1.69E+08	169140639	+	1.304E-28	6.91337E-27	-0.26148	hypo	sig	chr6_169140639
chr1	18632329	18632329	+	1.309E-28	6.93953E-27	0.262399	hyper	sig	chr1_18632329
chr6	1.01E+08	101399174	+	1.309E-28	6.93953E-27	0.29935	hyper	sig	chr6_101399174
chr1	1.77E+08	177171132	+	1.311E-28	6.94736E-27	0.20549	hyper	sig	chr1_177171132
chr8	68330788	68330788	+	1.319E-28	6.9922E-27	0.314246	hyper	sig	chr8_68330788
chr6	10883593	10883593	+	1.319E-28	6.99312E-27	0.364848	hyper	sig	chr6_10883593
chr8	68331251	68331251	+	1.32E-28	6.99368E-27	0.339775	hyper	sig	chr8_68331251
chr1	1.47E+08	147050930	+	1.321E-28	7.00243E-27	-0.21153	hypo	sig	chr1_147050930
chr16	3009783	3009783	+	1.33E-28	7.04825E-27	-0.23584	hypo	sig	chr16_3009783
chr15	52789113	52789113	+	1.334E-28	7.06708E-27	0.312807	hyper	sig	chr15_52789113
chr8	1.44E+08	144285850	+	1.341E-28	7.10261E-27	-0.23597	hypo	sig	chr8_144285850
chr2	63056220	63056220	+	1.342E-28	7.10668E-27	0.310017	hyper	sig	chr2_63056220

chr17	36464884	36464884	+	1.342E-28	7.10926E-27	0.319172	hyper	sig	chr17_36464884
chr13	1.11E+08	110506849	+	1.344E-28	7.11761E-27	-0.31582	hypo	sig	chr13_110506849
chr5	1.11E+08	111070771	+	1.344E-28	7.12016E-27	0.219571	hyper	sig	chr5_111070771
chr14	60507186	60507186	+	1.351E-28	7.15385E-27	0.306015	hyper	sig	chr14_60507186
chr7	45922256	45922256	+	1.353E-28	7.16562E-27	0.218097	hyper	sig	chr7_45922256
chr6	98847871	98847871	+	1.356E-28	7.17771E-27	0.21992	hyper	sig	chr6_98847871
chr15	28832487	28832487	+	1.357E-28	7.18354E-27	0.27307	hyper	sig	chr15_28832487
chr17	35448688	35448688	+	1.358E-28	7.19E-27	0.306862	hyper	sig	chr17_35448688
chr16	51149467	51149467	+	1.36E-28	7.19826E-27	0.316677	hyper	sig	chr16_51149467
chr11	32438094	32438094	+	1.364E-28	7.22141E-27	0.271674	hyper	sig	chr11_32438094
chr1	50417664	50417664	+	1.369E-28	7.24565E-27	0.202128	hyper	sig	chr1_50417664
chr13	78596916	78596916	+	1.37E-28	7.25014E-27	0.208818	hyper	sig	chr13_78596916
chr2	5697351	5697351	+	1.375E-28	7.27878E-27	0.293992	hyper	sig	chr2_5697351
chr10	1.24E+08	123973305	+	1.378E-28	7.29462E-27	0.24714	hyper	sig	chr10_123973305
chr10	1.32E+08	132295087	+	1.381E-28	7.31046E-27	-0.22733	hypo	sig	chr10_132295087
chr14	96595188	96595188	+	1.382E-28	7.31344E-27	-0.31147	hypo	sig	chr14_96595188
chr7	2567190	2567190	+	1.385E-28	7.32593E-27	0.272592	hyper	sig	chr7_2567190
chr3	62378357	62378357	+	1.389E-28	7.34701E-27	0.224702	hyper	sig	chr3_62378357
chr16	1129554	1129554	+	1.389E-28	7.35078E-27	-0.26339	hypo	sig	chr16_1129554
chr15	59995279	59995279	+	1.393E-28	7.36805E-27	0.245743	hyper	sig	chr15_59995279
chr17	35487876	35487876	+	1.396E-28	7.38239E-27	0.240041	hyper	sig	chr17_35487876
chr2	1.24E+08	124025330	+	1.396E-28	7.38583E-27	0.292466	hyper	sig	chr2_124025330
chr2	45004778	45004778	+	1.4E-28	7.405E-27	0.204565	hyper	sig	chr2_45004778
chr14	47675051	47675051	+	1.404E-28	7.42744E-27	0.361343	hyper	sig	chr14_47675051
chr6	10417455	10417455	+	1.405E-28	7.4296E-27	0.237009	hyper	sig	chr6_10417455
chr8	84184995	84184995	+	1.406E-28	7.43645E-27	0.254748	hyper	sig	chr8_84184995
chr5	1.73E+08	173244550	+	1.407E-28	7.44078E-27	0.282184	hyper	sig	chr5_173244550
chr3	1.38E+08	137771797	+	1.408E-28	7.44422E-27	0.247855	hyper	sig	chr3_137771797
chr8	4992000	4992000	+	1.41E-28	7.45259E-27	0.309446	hyper	sig	chr8_4992000
chr16	71426295	71426295	+	1.413E-28	7.47069E-27	0.265792	hyper	sig	chr16_71426295
chr5	1.41E+08	141383142	+	1.417E-28	7.4893E-27	0.238104	hyper	sig	chr5_141383142
chr3	1.47E+08	147423376	+	1.417E-28	7.49075E-27	0.224237	hyper	sig	chr3_147423376
chr12	62191364	62191364	+	1.418E-28	7.49695E-27	0.301845	hyper	sig	chr12_62191364
chr13	78607203	78607203	+	1.42E-28	7.50223E-27	0.27544	hyper	sig	chr13_78607203
chr2	2.28E+08	228181694	+	1.42E-28	7.50285E-27	0.299012	hyper	sig	chr2_228181694
chr5	1.33E+08	132819572	+	1.424E-28	7.52627E-27	-0.24826	hypo	sig	chr5_132819572
chr16	88937970	88937970	+	1.425E-28	7.53118E-27	-0.22299	hypo	sig	chr16_88937970
chr9	975825	975825	+	1.427E-28	7.53705E-27	0.298007	hyper	sig	chr9_975825
chr14	97219335	97219335	+	1.427E-28	7.54081E-27	0.232848	hyper	sig	chr14_97219335
chr3	1.47E+08	147405402	+	1.429E-28	7.54716E-27	0.237096	hyper	sig	chr3_147405402
chr5	1.41E+08	141492007	+	1.432E-28	7.56518E-27	0.363767	hyper	sig	chr5_141492007
chr11	94769183	94769183	+	1.44E-28	7.60313E-27	0.214922	hyper	sig	chr11_94769183
chr14	28774976	28774976	+	1.44E-28	7.60655E-27	0.275418	hyper	sig	chr14_28774976
chr5	1.73E+08	173245702	+	1.44E-28	7.60655E-27	0.254052	hyper	sig	chr5_173245702
chr9	96027864	96027864	+	1.441E-28	7.60695E-27	0.262099	hyper	sig	chr9_96027864
chr8	1968119	1968119	+	1.441E-28	7.60847E-27	-0.26412	hypo	sig	chr8_1968119
chr8	26866456	26866456	+	1.441E-28	7.60881E-27	0.269096	hyper	sig	chr8_26866456
chr20	38674362	38674362	+	1.442E-28	7.61559E-27	0.279321	hyper	sig	chr20_38674362
chr9	3181054	3181054	+	1.443E-28	7.62052E-27	0.245674	hyper	sig	chr9_3181054
chr5	1.14E+08	113615568	+	1.444E-28	7.62068E-27	-0.37701	hypo	sig	chr5_113615568
chr1	1.47E+08	147073274	+	1.447E-28	7.63879E-27	0.259428	hyper	sig	chr1_147073274
chr1	1.6E+08	159929903	+	1.448E-28	7.64158E-27	-0.2588	hypo	sig	chr1_159929903
chr1	75135414	75135414	+	1.45E-28	7.65333E-27	0.23159	hyper	sig	chr1_75135414
chr1	13584299	13584299	+	1.451E-28	7.65829E-27	0.329541	hyper	sig	chr1_13584299
chr1	1.11E+08	110675168	+	1.452E-28	7.66021E-27	0.335659	hyper	sig	chr1_110675168
chr20	21517656	21517656	+	1.453E-28	7.66948E-27	0.346608	hyper	sig	chr20_21517656

chr14	1.05E+08	105065685	+	1.462E-28	7.71224E-27	-0.27903	hypo	sig	chr14_105065685
chr2	10923192	10923192	+	1.462E-28	7.71389E-27	-0.27619	hypo	sig	chr2_10923192
chr6	1.68E+08	167815920	+	1.462E-28	7.71389E-27	-0.33023	hypo	sig	chr6_167815920
chr14	1.01E+08	101062203	+	1.463E-28	7.71883E-27	-0.22925	hypo	sig	chr14_101062203
chr13	36432190	36432190	+	1.465E-28	7.72678E-27	0.256358	hyper	sig	chr13_36432190
chr20	56005140	56005140	+	1.469E-28	7.74869E-27	0.34906	hyper	sig	chr20_56005140
chr5	1.73E+08	173234126	+	1.471E-28	7.75782E-27	0.295648	hyper	sig	chr5_173234126
chr19	33623410	33623410	+	1.471E-28	7.76041E-27	0.282325	hyper	sig	chr19_33623410
chr5	1.41E+08	140841772	+	1.474E-28	7.77129E-27	0.332197	hyper	sig	chr5_140841772
chr4	1.11E+08	110629251	+	1.48E-28	7.80184E-27	0.288575	hyper	sig	chr4_110629251
chr7	45921870	45921870	+	1.48E-28	7.804E-27	0.214781	hyper	sig	chr7_45921870
chr13	1.01E+08	101416645	+	1.488E-28	7.84648E-27	0.31837	hyper	sig	chr13_101416645
chr12	1.14E+08	114443927	+	1.493E-28	7.87246E-27	0.225409	hyper	sig	chr12_114443927
chr12	1.15E+08	114687248	+	1.496E-28	7.8882E-27	0.226909	hyper	sig	chr12_114687248
chr11	278538	278538	+	1.497E-28	7.89363E-27	-0.29616	hypo	sig	chr11_278538
chr12	54090514	54090514	+	1.504E-28	7.92925E-27	0.237798	hyper	sig	chr12_54090514
chr7	96993296	96993296	+	1.505E-28	7.9345E-27	0.267496	hyper	sig	chr7_96993296
chr18	75205178	75205178	+	1.506E-28	7.93856E-27	0.266167	hyper	sig	chr18_75205178
chr8	56445718	56445718	+	1.506E-28	7.93856E-27	0.232964	hyper	sig	chr8_56445718
chr1	1.53E+08	152775086	+	1.517E-28	7.99663E-27	-0.2383	hypo	sig	chr1_152775086
chr2	2.38E+08	238139952	+	1.524E-28	8.03037E-27	-0.26727	hypo	sig	chr2_238139952
chr3	1.47E+08	147422337	+	1.529E-28	8.05618E-27	0.280729	hyper	sig	chr3_147422337
chr17	75784238	75784238	+	1.531E-28	8.06316E-27	-0.23962	hypo	sig	chr17_75784238
chr11	19350687	19350687	+	1.532E-28	8.07272E-27	-0.28772	hypo	sig	chr11_19350687
chr8	1.43E+08	143274844	+	1.539E-28	8.10425E-27	-0.23885	hypo	sig	chr8_143274844
chr1	58250625	58250625	+	1.54E-28	8.11224E-27	0.242336	hyper	sig	chr1_58250625
chr2	1.05E+08	105399716	+	1.541E-28	8.11786E-27	-0.22295	hypo	sig	chr2_105399716
chr11	31804203	31804203	+	1.542E-28	8.12248E-27	0.239049	hyper	sig	chr11_31804203
chr16	88392976	88392976	+	1.543E-28	8.12474E-27	-0.2669	hypo	sig	chr16_88392976
chr19	22286810	22286810	+	1.554E-28	8.18156E-27	0.319266	hyper	sig	chr19_22286810
chr17	81074887	81074887	+	1.554E-28	8.18277E-27	-0.2689	hypo	sig	chr17_81074887
chr3	1.47E+08	147412667	+	1.555E-28	8.18832E-27	0.299676	hyper	sig	chr3_147412667
chr3	1.86E+08	186362419	+	1.557E-28	8.1973E-27	0.212671	hyper	sig	chr3_186362419
chr2	1.24E+08	124025308	+	1.558E-28	8.20163E-27	0.277786	hyper	sig	chr2_124025308
chr7	1.5E+08	149768388	+	1.565E-28	8.23829E-27	-0.26933	hypo	sig	chr7_149768388
chr16	1002547	1002547	+	1.575E-28	8.29223E-27	-0.23002	hypo	sig	chr16_1002547
chr2	1.32E+08	132257067	+	1.577E-28	8.29847E-27	0.377586	hyper	sig	chr2_132257067
chr6	32212864	32212864	+	1.581E-28	8.31964E-27	-0.29296	hypo	sig	chr6_32212864
chr8	64587267	64587267	+	1.583E-28	8.33076E-27	0.29239	hyper	sig	chr8_64587267
chr4	3263353	3263353	+	1.587E-28	8.34755E-27	-0.26598	hypo	sig	chr4_3263353
chr6	27275128	27275128	+	1.587E-28	8.34755E-27	0.275268	hyper	sig	chr6_27275128
chr7	92608895	92608895	+	1.596E-28	8.39717E-27	-0.26617	hypo	sig	chr7_92608895
chr10	1.01E+08	101228564	+	1.598E-28	8.40388E-27	0.229054	hyper	sig	chr10_101228564
chr4	11427995	11427995	+	1.599E-28	8.41077E-27	0.381618	hyper	sig	chr4_11427995
chr15	77629821	77629821	+	1.6E-28	8.41791E-27	-0.2809	hypo	sig	chr15_77629821
chr6	32053513	32053513	+	1.602E-28	8.42481E-27	-0.30502	hypo	sig	chr6_32053513
chr7	64495314	64495314	+	1.602E-28	8.42662E-27	0.304132	hyper	sig	chr7_64495314
chr5	1.41E+08	140856513	+	1.605E-28	8.43902E-27	0.275178	hyper	sig	chr5_140856513
chr17	82986176	82986176	+	1.607E-28	8.45181E-27	-0.2132	hypo	sig	chr17_82986176
chr8	13566585	13566585	+	1.609E-28	8.46072E-27	0.244731	hyper	sig	chr8_13566585
chr20	62476342	62476342	+	1.611E-28	8.46888E-27	0.20522	hyper	sig	chr20_62476342
chr16	85947670	85947670	+	1.614E-28	8.48337E-27	-0.29706	hypo	sig	chr16_85947670
chr22	32371070	32371070	+	1.617E-28	8.50005E-27	-0.26979	hypo	sig	chr22_32371070
chr6	10883585	10883585	+	1.618E-28	8.50299E-27	0.364602	hyper	sig	chr6_10883585
chr6	84763222	84763222	+	1.621E-28	8.51901E-27	0.228608	hyper	sig	chr6_84763222
chr18	21243020	21243020	+	1.626E-28	8.54381E-27	0.227176	hyper	sig	chr18_21243020

chr4	1.74E+08	173519520	+	1.628E-28	8.55641E-27	0.286833	hyper	sig	chr4_173519520
chr11	64061249	64061249	+	1.632E-28	8.57546E-27	0.222699	hyper	sig	chr11_64061249
chr1	1.19E+08	119000559	+	1.634E-28	8.58313E-27	0.265251	hyper	sig	chr1_119000559
chr19	36791600	36791600	+	1.634E-28	8.58415E-27	0.295066	hyper	sig	chr19_36791600
chr6	1.66E+08	165819445	+	1.635E-28	8.591E-27	0.283891	hyper	sig	chr6_165819445
chr9	94724785	94724785	+	1.638E-28	8.60285E-27	-0.31018	hypo	sig	chr9_94724785
chr7	1.58E+08	158283640	+	1.639E-28	8.60968E-27	-0.29804	hypo	sig	chr7_158283640
chr12	89350643	89350643	+	1.64E-28	8.61286E-27	-0.26377	hypo	sig	chr12_89350643
chr5	73444921	73444921	+	1.64E-28	8.61552E-27	0.291042	hyper	sig	chr5_73444921
chr13	93226995	93226995	+	1.657E-28	8.70234E-27	0.340336	hyper	sig	chr13_93226995
chr19	58009721	58009721	+	1.657E-28	8.70351E-27	0.251442	hyper	sig	chr19_58009721
chr2	1.19E+08	118858029	+	1.658E-28	8.70592E-27	0.251761	hyper	sig	chr2_118858029
chr1	2.08E+08	207669835	+	1.659E-28	8.70898E-27	0.222804	hyper	sig	chr1_207669835
chr6	7468523	7468523	+	1.662E-28	8.72591E-27	-0.33423	hypo	sig	chr6_7468523
chr1	1333839	1333839	+	1.668E-28	8.75536E-27	-0.3323	hypo	sig	chr1_1333839
chr1	1.77E+08	177171461	+	1.673E-28	8.7822E-27	0.26879	hyper	sig	chr1_177171461
chr19	840985	840985	+	1.675E-28	8.79365E-27	-0.25396	hypo	sig	chr19_840985
chr7	1.22E+08	122300241	+	1.675E-28	8.79365E-27	0.258147	hyper	sig	chr7_122300241
chr16	89248011	89248011	+	1.683E-28	8.83076E-27	0.318138	hyper	sig	chr16_89248011
chr15	52801208	52801208	+	1.687E-28	8.85073E-27	0.211424	hyper	sig	chr15_52801208
chr16	10182842	10182842	+	1.693E-28	8.88184E-27	0.318622	hyper	sig	chr16_10182842
chr16	54932605	54932605	+	1.694E-28	8.88635E-27	0.252903	hyper	sig	chr16_54932605
chr17	83085037	83085037	+	1.7E-28	8.92169E-27	-0.25592	hypo	sig	chr17_83085037
chr2	2.42E+08	242031888	+	1.706E-28	8.94878E-27	-0.21575	hypo	sig	chr2_242031888
chr9	1.28E+08	127925206	+	1.706E-28	8.95104E-27	-0.2993	hypo	sig	chr9_127925206
chr7	4810652	4810652	+	1.707E-28	8.9527E-27	-0.2393	hypo	sig	chr7_4810652
chr1	99005411	99005411	+	1.708E-28	8.95991E-27	0.211057	hyper	sig	chr1_99005411
chr5	33936651	33936651	+	1.709E-28	8.9648E-27	0.280648	hyper	sig	chr5_33936651
chr11	66049039	66049039	+	1.712E-28	8.97699E-27	0.308568	hyper	sig	chr11_66049039
chr5	1.77E+08	176887363	+	1.712E-28	8.97704E-27	-0.30627	hypo	sig	chr5_176887363
chr2	1.15E+08	115161185	+	1.725E-28	9.04488E-27	0.252513	hyper	sig	chr2_115161185
chr10	1.05E+08	104642810	+	1.726E-28	9.0483E-27	0.246484	hyper	sig	chr10_104642810
chr10	1.01E+08	100520001	+	1.726E-28	9.04997E-27	0.268306	hyper	sig	chr10_100520001
chr4	1.9E+08	190020525	+	1.727E-28	9.05132E-27	0.276249	hyper	sig	chr4_190020525
chr15	77897410	77897410	+	1.729E-28	9.06252E-27	-0.24283	hypo	sig	chr15_77897410
chr4	1.54E+08	153792917	+	1.729E-28	9.06425E-27	0.307922	hyper	sig	chr4_153792917
chr8	64373691	64373691	+	1.739E-28	9.11227E-27	0.323711	hyper	sig	chr8_64373691
chr14	74239313	74239313	+	1.746E-28	9.15212E-27	0.261221	hyper	sig	chr14_74239313
chr7	19118407	19118407	+	1.756E-28	9.20232E-27	0.256833	hyper	sig	chr7_19118407
chr19	36331770	36331770	+	1.757E-28	9.20646E-27	0.275829	hyper	sig	chr19_36331770
chr6	50843139	50843139	+	1.763E-28	9.23604E-27	0.259421	hyper	sig	chr6_50843139
chr5	1.11E+08	111070867	+	1.765E-28	9.24653E-27	0.277164	hyper	sig	chr5_111070867
chr2	1.6E+08	160271591	+	1.766E-28	9.25007E-27	-0.30176	hypo	sig	chr2_160271591
chr13	22897711	22897711	+	1.767E-28	9.25704E-27	-0.36695	hypo	sig	chr13_22897711
chr2	1.3E+08	130037777	+	1.77E-28	9.26994E-27	0.248232	hyper	sig	chr2_130037777
chr14	1.01E+08	101054683	+	1.771E-28	9.27388E-27	-0.25543	hypo	sig	chr14_101054683
chr21	26966943	26966943	+	1.774E-28	9.29131E-27	0.297707	hyper	sig	chr21_26966943
chr6	32073901	32073901	+	1.774E-28	9.29205E-27	-0.25767	hypo	sig	chr6_32073901
chr5	3602467	3602467	+	1.778E-28	9.30726E-27	0.285339	hyper	sig	chr5_3602467
chr13	27928327	27928327	+	1.779E-28	9.31317E-27	0.397789	hyper	sig	chr13_27928327
chr17	27293590	27293590	+	1.792E-28	9.37968E-27	-0.39867	hypo	sig	chr17_27293590
chr10	99527900	99527900	+	1.793E-28	9.38618E-27	0.295777	hyper	sig	chr10_99527900
chr16	51149452	51149452	+	1.793E-28	9.38618E-27	0.321341	hyper	sig	chr16_51149452
chr1	1.47E+08	147079964	+	1.794E-28	9.39122E-27	0.322092	hyper	sig	chr1_147079964
chr5	77639222	77639222	+	1.796E-28	9.40102E-27	0.286902	hyper	sig	chr5_77639222
chr10	23174453	23174453	+	1.798E-28	9.41062E-27	0.313129	hyper	sig	chr10_23174453

chr11	64736049	64736049	+	1.812E-28	9.48218E-27	-0.29141	hypo	sig	chr11_64736049
chr3	1.28E+08	128492290	+	1.815E-28	9.49945E-27	0.264752	hyper	sig	chr3_128492290
chr3	1.47E+08	147407949	+	1.816E-28	9.50182E-27	0.243146	hyper	sig	chr3_147407949
chr13	53202177	53202177	+	1.817E-28	9.50653E-27	0.290301	hyper	sig	chr13_53202177
chr12	45050213	45050213	+	1.82E-28	9.52084E-27	0.238976	hyper	sig	chr12_45050213
chr2	64643365	64643365	+	1.82E-28	9.5215E-27	-0.24075	hypo	sig	chr2_64643365
chr13	78596918	78596918	+	1.821E-28	9.52525E-27	0.208207	hyper	sig	chr13_78596918
chr16	86516111	86516111	+	1.824E-28	9.54106E-27	0.246582	hyper	sig	chr16_86516111
chr5	1193969	1193969	+	1.834E-28	9.59498E-27	-0.30683	hypo	sig	chr5_1193969
chr7	1.3E+08	130485970	+	1.836E-28	9.60205E-27	-0.2753	hypo	sig	chr7_130485970
chr4	1.54E+08	153789627	+	1.838E-28	9.61128E-27	0.320268	hyper	sig	chr4_153789627
chr19	32870167	32870167	+	1.844E-28	9.64117E-27	-0.28941	hypo	sig	chr19_32870167
chr21	26967884	26967884	+	1.844E-28	9.64117E-27	0.271183	hyper	sig	chr21_26967884
chr12	24903311	24903311	+	1.845E-28	9.64448E-27	0.331897	hyper	sig	chr12_24903311
chr5	3597657	3597657	+	1.847E-28	9.65706E-27	0.284451	hyper	sig	chr5_3597657
chr11	31799098	31799098	+	1.851E-28	9.67623E-27	0.227203	hyper	sig	chr11_31799098
chr7	161935	161935	+	1.854E-28	9.68838E-27	-0.28264	hypo	sig	chr7_161935
chr11	1.21E+08	120660185	+	1.855E-28	9.69774E-27	-0.24664	hypo	sig	chr11_120660185
chr6	84766531	84766531	+	1.858E-28	9.71298E-27	0.351166	hyper	sig	chr6_84766531
chr4	13529454	13529454	+	1.862E-28	9.72948E-27	0.244587	hyper	sig	chr4_13529454
chr17	64779582	64779582	+	1.865E-28	9.74307E-27	0.356015	hyper	sig	chr17_64779582
chr19	12195484	12195484	+	1.866E-28	9.74799E-27	0.290218	hyper	sig	chr19_12195484
chr3	1.58E+08	158094234	+	1.867E-28	9.75375E-27	0.281229	hyper	sig	chr3_158094234
chr21	26845416	26845416	+	1.896E-28	9.90568E-27	0.205787	hyper	sig	chr21_26845416
chr5	1.41E+08	141403131	+	1.9E-28	9.92253E-27	0.249493	hyper	sig	chr5_141403131
chr19	57600368	57600368	+	1.9E-28	9.92397E-27	0.203152	hyper	sig	chr19_57600368
chr5	1.73E+08	173234129	+	1.903E-28	9.9367E-27	0.301878	hyper	sig	chr5_173234129
chr2	1.3E+08	129979684	+	1.912E-28	9.98547E-27	0.226774	hyper	sig	chr2_129979684
chr8	11703048	11703048	+	1.914E-28	9.99468E-27	0.23665	hyper	sig	chr8_11703048
chr7	97020952	97020952	+	1.919E-28	1.00206E-26	0.257594	hyper	sig	chr7_97020952
chr16	6483780	6483780	+	1.923E-28	1.00367E-26	0.286161	hyper	sig	chr16_6483780
chr19	2214041	2214041	+	1.925E-28	1.00467E-26	0.266606	hyper	sig	chr19_2214041
chr3	13553481	13553481	+	1.927E-28	1.00577E-26	-0.20452	hypo	sig	chr3_13553481
chr17	40375975	40375975	+	1.929E-28	1.00675E-26	-0.36976	hypo	sig	chr17_40375975
chr13	1.13E+08	113147367	+	1.936E-28	1.01029E-26	-0.26255	hypo	sig	chr13_113147367
chr9	1.33E+08	132586577	+	1.939E-28	1.01168E-26	0.230113	hyper	sig	chr9_132586577
chr17	52159990	52159990	+	1.94E-28	1.01255E-26	0.231631	hyper	sig	chr17_52159990
chr8	68331275	68331275	+	1.942E-28	1.01347E-26	0.320895	hyper	sig	chr8_68331275
chr4	1.09E+08	109302200	+	1.947E-28	1.01584E-26	0.273342	hyper	sig	chr4_109302200
chr16	86565583	86565583	+	1.951E-28	1.01766E-26	0.256649	hyper	sig	chr16_86565583
chr7	1.17E+08	117322890	+	1.957E-28	1.02115E-26	0.328974	hyper	sig	chr7_117322890
chr10	3415196	3415196	+	1.96E-28	1.02264E-26	-0.2361	hypo	sig	chr10_3415196
chr3	27729487	27729487	+	1.961E-28	1.02316E-26	0.25544	hyper	sig	chr3_27729487
chr7	32070563	32070563	+	1.965E-28	1.02492E-26	0.246572	hyper	sig	chr7_32070563
chr5	1.41E+08	141234426	+	1.967E-28	1.02601E-26	0.280766	hyper	sig	chr5_141234426
chr19	18878136	18878136	+	1.968E-28	1.02641E-26	-0.32118	hypo	sig	chr19_18878136
chr11	1.32E+08	131910487	+	1.975E-28	1.02978E-26	0.274912	hyper	sig	chr11_131910487
chr16	77788874	77788874	+	1.979E-28	1.03201E-26	0.265881	hyper	sig	chr16_77788874
chr12	43552057	43552057	+	1.982E-28	1.03342E-26	0.334553	hyper	sig	chr12_43552057
chr16	55323876	55323876	+	1.988E-28	1.03646E-26	0.22691	hyper	sig	chr16_55323876
chr3	1.47E+08	147396206	+	1.992E-28	1.03857E-26	0.290729	hyper	sig	chr3_147396206
chr8	98949797	98949797	+	1.999E-28	1.04219E-26	0.282644	hyper	sig	chr8_98949797
chr5	32713269	32713269	+	2.002E-28	1.04342E-26	0.265147	hyper	sig	chr5_32713269
chr4	2430558	2430558	+	2.008E-28	1.04674E-26	-0.33692	hypo	sig	chr4_2430558
chr21	36697646	36697646	+	2.017E-28	1.05089E-26	0.241817	hyper	sig	chr21_36697646
chr3	1.38E+08	137763425	+	2.016E-28	1.05089E-26	0.264075	hyper	sig	chr3_137763425

chr7	28847951	28847951	+	2.017E-28	1.05122E-26	-0.24322	hypo	sig	chr7_28847951
chr11	31799702	31799702	+	2.029E-28	1.05711E-26	0.377669	hyper	sig	chr11_31799702
chr2	1.09E+08	109031534	+	2.03E-28	1.05761E-26	0.258298	hyper	sig	chr2_109031534
chr13	25469347	25469347	+	2.033E-28	1.05875E-26	0.290797	hyper	sig	chr13_25469347
chr2	74516377	74516377	+	2.033E-28	1.05875E-26	0.259534	hyper	sig	chr2_74516377
chr4	1.7E+08	170091442	+	2.043E-28	1.06428E-26	-0.37012	hypo	sig	chr4_170091442
chr5	3606978	3606978	+	2.046E-28	1.06537E-26	0.262236	hyper	sig	chr5_3606978
chr21	18245556	18245556	+	2.053E-28	1.06902E-26	0.336909	hyper	sig	chr21_18245556
chr2	1.32E+08	132278621	+	2.057E-28	1.07108E-26	-0.2304	hypo	sig	chr2_132278621
chr2	23616977	23616977	+	2.06E-28	1.07263E-26	-0.2526	hypo	sig	chr2_23616977
chr11	69967156	69967156	+	2.062E-28	1.07363E-26	-0.22799	hypo	sig	chr11_69967156
chr1	971116	971116	+	2.064E-28	1.07423E-26	0.316435	hyper	sig	chr1_971116
chr7	23490933	23490933	+	2.065E-28	1.07502E-26	0.248948	hyper	sig	chr7_23490933
chr2	910989	910989	+	2.07E-28	1.07728E-26	-0.23164	hypo	sig	chr2_910989
chr11	1.33E+08	132943897	+	2.075E-28	1.08002E-26	0.262381	hyper	sig	chr11_132943897
chr12	53945053	53945053	+	2.075E-28	1.08002E-26	0.209868	hyper	sig	chr12_53945053
chr2	20670451	20670451	+	2.077E-28	1.08105E-26	0.331036	hyper	sig	chr2_20670451
chr6	31775987	31775987	+	2.081E-28	1.08274E-26	-0.22846	hypo	sig	chr6_31775987
chr12	1.11E+08	111287675	+	2.082E-28	1.08352E-26	-0.36973	hypo	sig	chr12_111287675
chr1	1.19E+08	118979763	+	2.086E-28	1.08533E-26	0.323855	hyper	sig	chr1_118979763
chr14	1.01E+08	101077821	+	2.087E-28	1.08582E-26	0.251611	hyper	sig	chr14_101077821
chr22	50031676	50031676	+	2.088E-28	1.08647E-26	-0.26176	hypo	sig	chr22_50031676
chr7	93891034	93891034	+	2.091E-28	1.08745E-26	0.370424	hyper	sig	chr7_93891034
chr1	47439826	47439826	+	2.094E-28	1.08912E-26	0.282216	hyper	sig	chr1_47439826
chr10	1.32E+08	132373353	+	2.096E-28	1.09009E-26	-0.25423	hypo	sig	chr10_132373353
chr7	1.58E+08	157768907	+	2.096E-28	1.09009E-26	-0.26692	hypo	sig	chr7_157768907
chr13	1.03E+08	103162037	+	2.097E-28	1.09068E-26	-0.32094	hypo	sig	chr13_103162037
chr7	27106671	27106671	+	2.105E-28	1.09441E-26	0.249184	hyper	sig	chr7_27106671
chr6	1.37E+08	137495847	+	2.106E-28	1.09516E-26	0.281556	hyper	sig	chr6_137495847
chr8	25001467	25001467	+	2.109E-28	1.09676E-26	0.28103	hyper	sig	chr8_25001467
chr14	88326677	88326677	+	2.11E-28	1.09702E-26	0.22874	hyper	sig	chr14_88326677
chr7	97021994	97021994	+	2.112E-28	1.0977E-26	0.319395	hyper	sig	chr7_97021994
chr13	1.12E+08	112106592	+	2.114E-28	1.09876E-26	0.271879	hyper	sig	chr13_112106592
chr7	1.57E+08	157003220	+	2.117E-28	1.10042E-26	0.308824	hyper	sig	chr7_157003220
chr13	1.14E+08	113650497	+	2.13E-28	1.10687E-26	-0.21619	hypo	sig	chr13_113650497
chr13	50132765	50132765	+	2.135E-28	1.10938E-26	0.248523	hyper	sig	chr13_50132765
chr7	28410379	28410379	+	2.138E-28	1.11114E-26	0.231505	hyper	sig	chr7_28410379
chr8	72251633	72251633	+	2.14E-28	1.11192E-26	0.234735	hyper	sig	chr8_72251633
chr13	57631004	57631004	+	2.148E-28	1.11638E-26	0.329293	hyper	sig	chr13_57631004
chr21	33072009	33072009	+	2.155E-28	1.11964E-26	0.223037	hyper	sig	chr21_33072009
chr10	1.33E+08	132817711	+	2.156E-28	1.12032E-26	-0.28147	hypo	sig	chr10_132817711
chr6	29793028	29793028	+	2.159E-28	1.1218E-26	0.218417	hyper	sig	chr6_29793028
chr20	38674381	38674381	+	2.164E-28	1.12401E-26	0.299949	hyper	sig	chr20_38674381
chr8	96160754	96160754	+	2.165E-28	1.12438E-26	0.218324	hyper	sig	chr8_96160754
chr3	1.47E+08	147413388	+	2.166E-28	1.12528E-26	0.259978	hyper	sig	chr3_147413388
chr8	9905266	9905266	+	2.168E-28	1.12601E-26	0.213392	hyper	sig	chr8_9905266
chr19	37251895	37251895	+	2.176E-28	1.12993E-26	0.301014	hyper	sig	chr19_37251895
chr11	32434227	32434227	+	2.178E-28	1.13117E-26	0.271625	hyper	sig	chr11_32434227
chr12	48198504	48198504	+	2.182E-28	1.13315E-26	0.23903	hyper	sig	chr12_48198504
chr4	1.54E+08	153792172	+	2.183E-28	1.13331E-26	0.278112	hyper	sig	chr4_153792172
chr8	71558909	71558909	+	2.187E-28	1.13531E-26	0.320293	hyper	sig	chr8_71558909
chr1	3063548	3063548	+	2.198E-28	1.14127E-26	0.264208	hyper	sig	chr1_3063548
chr20	63074845	63074845	+	2.2E-28	1.14189E-26	-0.27482	hypo	sig	chr20_63074845
chr12	75207941	75207941	+	2.206E-28	1.14511E-26	0.292983	hyper	sig	chr12_75207941
chr17	48582402	48582402	+	2.207E-28	1.14536E-26	-0.23019	hypo	sig	chr17_48582402
chr5	77972569	77972569	+	2.212E-28	1.148E-26	0.28003	hyper	sig	chr5_77972569

chr5	1.41E+08	141431363	+	2.212E-28	1.148E-26	0.258587	hyper	sig	chr5_141431363
chr11	65557671	65557671	+	2.215E-28	1.14948E-26	0.25873	hyper	sig	chr11_65557671
chr19	57935410	57935410	+	2.218E-28	1.15101E-26	0.26716	hyper	sig	chr19_57935410
chr3	1.38E+08	137761829	+	2.221E-28	1.15238E-26	0.342495	hyper	sig	chr3_137761829
chr8	2145296	2145296	+	2.221E-28	1.15238E-26	-0.23046	hypo	sig	chr8_2145296
chr4	13529495	13529495	+	2.236E-28	1.16012E-26	0.22774	hyper	sig	chr4_13529495
chr16	3189294	3189294	+	2.244E-28	1.16414E-26	0.223074	hyper	sig	chr16_3189294
chr14	41605432	41605432	+	2.247E-28	1.16567E-26	0.20792	hyper	sig	chr14_41605432
chr16	3305590	3305590	+	2.249E-28	1.16664E-26	0.222169	hyper	sig	chr16_3305590
chr1	63319922	63319922	+	2.255E-28	1.1696E-26	0.312231	hyper	sig	chr1_63319922
chr11	1085297	1085297	+	2.258E-28	1.17066E-26	-0.24947	hypo	sig	chr11_1085297
chr8	10729320	10729320	+	2.26E-28	1.1721E-26	0.295617	hyper	sig	chr8_10729320
chr2	1.28E+08	127681622	+	2.273E-28	1.17865E-26	-0.29613	hypo	sig	chr2_127681622
chr17	81841503	81841503	+	2.274E-28	1.17882E-26	-0.2774	hypo	sig	chr17_81841503
chr19	20078049	20078049	+	2.275E-28	1.17914E-26	0.208906	hyper	sig	chr19_20078049
chr17	35487872	35487872	+	2.276E-28	1.17972E-26	0.244916	hyper	sig	chr17_35487872
chr10	1.23E+08	123134569	+	2.288E-28	1.18585E-26	0.208276	hyper	sig	chr10_123134569
chr21	45490589	45490589	+	2.288E-28	1.1861E-26	-0.32543	hypo	sig	chr21_45490589
chr21	32586127	32586127	+	2.294E-28	1.18909E-26	-0.38489	hypo	sig	chr21_32586127
chr7	97022775	97022775	+	2.298E-28	1.19091E-26	0.212978	hyper	sig	chr7_97022775
chr12	95549202	95549202	+	2.313E-28	1.19855E-26	0.208642	hyper	sig	chr12_95549202
chr8	11347141	11347141	+	2.315E-28	1.19931E-26	0.245993	hyper	sig	chr8_11347141
chr4	4862730	4862730	+	2.324E-28	1.20423E-26	0.266884	hyper	sig	chr4_4862730
chr8	23702772	23702772	+	2.327E-28	1.20537E-26	0.263802	hyper	sig	chr8_23702772
chr3	13622077	13622077	+	2.33E-28	1.20686E-26	-0.23505	hypo	sig	chr3_13622077
chr19	19860796	19860796	+	2.332E-28	1.20779E-26	0.291423	hyper	sig	chr19_19860796
chr10	23200326	23200326	+	2.332E-28	1.20784E-26	0.334058	hyper	sig	chr10_23200326
chr11	1.02E+08	101584002	+	2.332E-28	1.20787E-26	0.322771	hyper	sig	chr11_101584002
chr16	6483788	6483788	+	2.333E-28	1.20834E-26	0.259091	hyper	sig	chr16_6483788
chr2	11618525	11618525	+	2.339E-28	1.21155E-26	-0.28816	hypo	sig	chr2_11618525
chr20	43188427	43188427	+	2.34E-28	1.21197E-26	0.288662	hyper	sig	chr20_43188427
chr2	44932765	44932765	+	2.344E-28	1.21354E-26	0.308351	hyper	sig	chr2_44932765
chr1	2.44E+08	243917790	+	2.345E-28	1.2143E-26	0.233858	hyper	sig	chr1_243917790
chr3	1.47E+08	147396197	+	2.349E-28	1.21635E-26	0.289883	hyper	sig	chr3_147396197
chr17	82921654	82921654	+	2.351E-28	1.21712E-26	-0.2126	hypo	sig	chr17_82921654
chr16	10695020	10695020	+	2.352E-28	1.21743E-26	-0.29134	hypo	sig	chr16_10695020
chr6	27312227	27312227	+	2.358E-28	1.22082E-26	0.224823	hyper	sig	chr6_27312227
chr10	725659	725659	+	2.36E-28	1.22182E-26	-0.30437	hypo	sig	chr10_725659
chr3	1.47E+08	147423501	+	2.361E-28	1.22188E-26	0.227378	hyper	sig	chr3_147423501
chr7	92608842	92608842	+	2.363E-28	1.22299E-26	-0.28135	hypo	sig	chr7_92608842
chr1	3230790	3230790	+	2.364E-28	1.22338E-26	-0.21219	hypo	sig	chr1_3230790
chr5	1.33E+08	132748392	+	2.367E-28	1.22505E-26	-0.31371	hypo	sig	chr5_132748392
chr15	28832160	28832160	+	2.368E-28	1.22548E-26	0.271014	hyper	sig	chr15_28832160
chr8	1.44E+08	144046863	+	2.375E-28	1.22902E-26	-0.29022	hypo	sig	chr8_144046863
chr18	10589056	10589056	+	2.377E-28	1.22971E-26	-0.26728	hypo	sig	chr18_10589056
chr2	63055739	63055739	+	2.378E-28	1.23039E-26	0.208626	hyper	sig	chr2_63055739
chr19	57935415	57935415	+	2.404E-28	1.24358E-26	0.26415	hyper	sig	chr19_57935415
chr16	85082761	85082761	+	2.406E-28	1.24454E-26	0.249996	hyper	sig	chr16_85082761
chr7	27103789	27103789	+	2.414E-28	1.24853E-26	0.220118	hyper	sig	chr7_27103789
chr20	61925559	61925559	+	2.414E-28	1.24879E-26	-0.31084	hypo	sig	chr20_61925559
chr6	1.01E+08	101399483	+	2.415E-28	1.24884E-26	0.259582	hyper	sig	chr6_101399483
chr12	4809816	4809816	+	2.415E-28	1.24903E-26	0.238389	hyper	sig	chr12_4809816
chr7	1.57E+08	157004258	+	2.416E-28	1.2494E-26	0.246345	hyper	sig	chr7_157004258
chr10	1.28E+08	127737549	+	2.42E-28	1.25155E-26	0.27014	hyper	sig	chr10_127737549
chr15	74825333	74825333	+	2.423E-28	1.2526E-26	-0.22518	hypo	sig	chr15_74825333
chr2	1.15E+08	115162689	+	2.426E-28	1.25413E-26	0.296874	hyper	sig	chr2_115162689

chr5	1.41E+08	141431335	+	2.43E-28	1.25615E-26	0.26027	hyper	sig	chr5_141431335
chr19	37251839	37251839	+	2.438E-28	1.26025E-26	0.312268	hyper	sig	chr19_37251839
chr5	1.52E+08	151532848	+	2.443E-28	1.26278E-26	-0.30012	hypo	sig	chr5_151532848
chr19	55359429	55359429	+	2.45E-28	1.26643E-26	-0.23907	hypo	sig	chr19_55359429
chr12	1.15E+08	114735906	+	2.451E-28	1.2667E-26	0.325483	hyper	sig	chr12_114735906
chr4	1.7E+08	170091434	+	2.451E-28	1.26679E-26	-0.35107	hypo	sig	chr4_170091434
chr1	90724736	90724736	+	2.453E-28	1.26774E-26	0.215131	hyper	sig	chr1_90724736
chr5	1.12E+08	112412795	+	2.463E-28	1.2728E-26	-0.32795	hypo	sig	chr5_112412795
chr7	1.55E+08	155373066	+	2.464E-28	1.27294E-26	0.33008	hyper	sig	chr7_155373066
chr6	27680632	27680632	+	2.468E-28	1.2748E-26	0.256448	hyper	sig	chr6_27680632
chr8	48735196	48735196	+	2.468E-28	1.27503E-26	0.227995	hyper	sig	chr8_48735196
chr8	11703095	11703095	+	2.47E-28	1.27569E-26	0.220643	hyper	sig	chr8_11703095
chr20	25083160	25083160	+	2.47E-28	1.27579E-26	0.319978	hyper	sig	chr20_25083160
chr8	64587513	64587513	+	2.474E-28	1.27746E-26	0.328091	hyper	sig	chr8_64587513
chr13	19564888	19564888	+	2.475E-28	1.27802E-26	0.236098	hyper	sig	chr13_19564888
chr11	64972067	64972067	+	2.475E-28	1.27825E-26	0.35082	hyper	sig	chr11_64972067
chr12	84913301	84913301	+	2.483E-28	1.28206E-26	0.265803	hyper	sig	chr12_84913301
chr14	56810454	56810454	+	2.484E-28	1.28229E-26	0.246415	hyper	sig	chr14_56810454
chr10	1.33E+08	132752812	+	2.484E-28	1.28265E-26	-0.27051	hypo	sig	chr10_132752812
chr7	2572237	2572237	+	2.49E-28	1.28545E-26	-0.29444	hypo	sig	chr7_2572237
chr2	2.33E+08	233059985	+	2.491E-28	1.28585E-26	-0.23442	hypo	sig	chr2_233059985
chr4	41752075	41752075	+	2.495E-28	1.28793E-26	0.319952	hyper	sig	chr4_41752075
chr12	48198682	48198682	+	2.498E-28	1.28937E-26	0.228176	hyper	sig	chr12_48198682
chr7	1.18E+08	118214605	+	2.498E-28	1.28937E-26	0.214823	hyper	sig	chr7_118214605
chr4	13528231	13528231	+	2.51E-28	1.29524E-26	0.203044	hyper	sig	chr4_13528231
chr3	1.38E+08	138185217	+	2.514E-28	1.29722E-26	-0.28351	hypo	sig	chr3_138185217
chr18	909127	909127	+	2.524E-28	1.30247E-26	0.26988	hyper	sig	chr18_909127
chr14	24171907	24171907	+	2.525E-28	1.30281E-26	0.234713	hyper	sig	chr14_24171907
chr10	93069273	93069273	+	2.526E-28	1.30291E-26	0.220452	hyper	sig	chr10_93069273
chr17	80823261	80823261	+	2.531E-28	1.30588E-26	-0.3009	hypo	sig	chr17_80823261
chr12	48198702	48198702	+	2.535E-28	1.30737E-26	0.235289	hyper	sig	chr12_48198702
chr8	64578738	64578738	+	2.538E-28	1.30926E-26	0.283797	hyper	sig	chr8_64578738
chr8	1E+08	100106314	+	2.539E-28	1.30941E-26	0.337619	hyper	sig	chr8_100106314
chr14	97219320	97219320	+	2.541E-28	1.31061E-26	0.254312	hyper	sig	chr14_97219320
chr19	56393429	56393429	+	2.547E-28	1.31347E-26	0.229516	hyper	sig	chr19_56393429
chr5	2753751	2753751	+	2.552E-28	1.316E-26	0.265951	hyper	sig	chr5_2753751
chr11	32439223	32439223	+	2.554E-28	1.31659E-26	0.201407	hyper	sig	chr11_32439223
chr2	1.19E+08	118849460	+	2.554E-28	1.31659E-26	0.267292	hyper	sig	chr2_118849460
chr1	1.59E+08	159188608	+	2.554E-28	1.31681E-26	0.307233	hyper	sig	chr1_159188608
chr13	1.11E+08	110506467	+	2.56E-28	1.31974E-26	-0.2388	hypo	sig	chr13_110506467
chr6	75204990	75204990	+	2.564E-28	1.32143E-26	0.21096	hyper	sig	chr6_75204990
chr14	26205397	26205397	+	2.571E-28	1.32496E-26	0.280921	hyper	sig	chr14_26205397
chr11	2140689	2140689	+	2.583E-28	1.33094E-26	0.217463	hyper	sig	chr11_2140689
chr4	4858364	4858364	+	2.589E-28	1.33434E-26	0.261307	hyper	sig	chr4_4858364
chr21	18245552	18245552	+	2.597E-28	1.33823E-26	0.337683	hyper	sig	chr21_18245552
chr7	50402061	50402061	+	2.607E-28	1.34301E-26	-0.3556	hypo	sig	chr7_50402061
chr5	1.41E+08	141423140	+	2.608E-28	1.34343E-26	0.262495	hyper	sig	chr5_141423140
chr18	77250156	77250156	+	2.611E-28	1.3453E-26	0.231847	hyper	sig	chr18_77250156
chr12	54090558	54090558	+	2.615E-28	1.34721E-26	0.266334	hyper	sig	chr12_54090558
chr14	1.04E+08	104422784	+	2.619E-28	1.34929E-26	0.279985	hyper	sig	chr14_104422784
chr17	8965271	8965271	+	2.621E-28	1.3499E-26	0.284013	hyper	sig	chr17_8965271
chr19	33622551	33622551	+	2.628E-28	1.3535E-26	0.25602	hyper	sig	chr19_33622551
chr10	93060323	93060323	+	2.631E-28	1.35515E-26	0.291356	hyper	sig	chr10_93060323
chr21	45433499	45433499	+	2.639E-28	1.35871E-26	-0.22452	hypo	sig	chr21_45433499
chr16	1443706	1443706	+	2.646E-28	1.36228E-26	-0.30574	hypo	sig	chr16_1443706
chr12	24563656	24563656	+	2.649E-28	1.36371E-26	0.211565	hyper	sig	chr12_24563656

chr6	34028803	34028803	+	2.649E-28	1.36381E-26	-0.25381	hypo	sig	chr6_34028803
chr11	43581329	43581329	+	2.659E-28	1.36898E-26	0.243016	hyper	sig	chr11_43581329
chr19	23003123	23003123	+	2.666E-28	1.37224E-26	0.26628	hyper	sig	chr19_23003123
chr12	54047685	54047685	+	2.667E-28	1.37261E-26	0.314228	hyper	sig	chr12_54047685
chr7	8442653	8442653	+	2.675E-28	1.3769E-26	0.225385	hyper	sig	chr7_8442653
chr10	1.33E+08	132752824	+	2.679E-28	1.37887E-26	-0.27355	hypo	sig	chr10_132752824
chr4	1.09E+08	109302660	+	2.681E-28	1.37972E-26	0.26906	hyper	sig	chr4_109302660
chr17	57863101	57863101	+	2.684E-28	1.38107E-26	-0.27561	hypo	sig	chr17_57863101
chr13	1.1E+08	110448446	+	2.688E-28	1.38308E-26	-0.30156	hypo	sig	chr13_110448446
chr4	1.09E+08	109302559	+	2.691E-28	1.38447E-26	0.258975	hyper	sig	chr4_109302559
chr3	55483102	55483102	+	2.692E-28	1.38506E-26	0.23111	hyper	sig	chr3_55483102
chr14	36513510	36513510	+	2.702E-28	1.38983E-26	0.255477	hyper	sig	chr14_36513510
chr2	2.32E+08	232388025	+	2.705E-28	1.39143E-26	0.291186	hyper	sig	chr2_232388025
chr13	78595831	78595831	+	2.709E-28	1.39337E-26	0.266422	hyper	sig	chr13_78595831
chr1	1.19E+08	119008306	+	2.714E-28	1.39594E-26	0.316608	hyper	sig	chr1_119008306
chr2	467850	467850	+	2.718E-28	1.39775E-26	0.254423	hyper	sig	chr2_467850
chr5	1883160	1883160	+	2.719E-28	1.39794E-26	0.237478	hyper	sig	chr5_1883160
chr2	2.4E+08	239504603	+	2.719E-28	1.3983E-26	-0.23449	hypo	sig	chr2_239504603
chr19	35853324	35853324	+	2.72E-28	1.3983E-26	-0.39116	hypo	sig	chr19_35853324
chr5	1.41E+08	141383137	+	2.722E-28	1.39943E-26	0.233594	hyper	sig	chr5_141383137
chr13	1.08E+08	107868227	+	2.724E-28	1.40052E-26	0.264802	hyper	sig	chr13_107868227
chr1	44408990	44408990	+	2.725E-28	1.40057E-26	0.223703	hyper	sig	chr1_44408990
chr18	501249	501249	+	2.725E-28	1.40072E-26	0.222147	hyper	sig	chr18_501249
chr4	7129430	7129430	+	2.726E-28	1.40107E-26	-0.27048	hypo	sig	chr4_7129430
chr22	20062775	20062775	+	2.732E-28	1.40413E-26	-0.28768	hypo	sig	chr22_20062775
chr11	1.14E+08	114076373	+	2.737E-28	1.40637E-26	-0.25111	hypo	sig	chr11_114076373
chr11	1.32E+08	131910384	+	2.751E-28	1.41355E-26	0.243353	hyper	sig	chr11_131910384
chr12	54047075	54047075	+	2.754E-28	1.41503E-26	0.321702	hyper	sig	chr12_54047075
chr17	43759035	43759035	+	2.769E-28	1.42275E-26	-0.28754	hypo	sig	chr17_43759035
chr4	1056438	1056438	+	2.77E-28	1.42301E-26	-0.29922	hypo	sig	chr4_1056438
chr2	28981334	28981334	+	2.771E-28	1.42372E-26	-0.25477	hypo	sig	chr2_28981334
chr2	1.76E+08	176100673	+	2.779E-28	1.42764E-26	0.237634	hyper	sig	chr2_176100673
chr6	1.7E+08	170423219	+	2.785E-28	1.43045E-26	0.219295	hyper	sig	chr6_170423219
chr11	67665414	67665414	+	2.785E-28	1.43061E-26	-0.34235	hypo	sig	chr11_67665414
chr6	2697537	2697537	+	2.787E-28	1.4313E-26	-0.22878	hypo	sig	chr6_2697537
chr14	47675905	47675905	+	2.788E-28	1.43181E-26	0.354136	hyper	sig	chr14_47675905
chr6	10382570	10382570	+	2.788E-28	1.43191E-26	0.30725	hyper	sig	chr6_10382570
chr12	1.3E+08	130161818	+	2.818E-28	1.4471E-26	0.29227	hyper	sig	chr12_130161818
chr13	27919174	27919174	+	2.82E-28	1.44786E-26	0.400926	hyper	sig	chr13_27919174
chr11	32429074	32429074	+	2.826E-28	1.45085E-26	0.226693	hyper	sig	chr11_32429074
chr2	2.13E+08	212536820	+	2.828E-28	1.45211E-26	0.307302	hyper	sig	chr2_212536820
chr3	1.33E+08	133038970	+	2.836E-28	1.45597E-26	0.27399	hyper	sig	chr3_133038970
chr4	14360147	14360147	+	2.84E-28	1.45794E-26	-0.30235	hypo	sig	chr4_14360147
chr8	64586243	64586243	+	2.847E-28	1.46161E-26	0.277589	hyper	sig	chr8_64586243
chr2	5691067	5691067	+	2.851E-28	1.46322E-26	0.25968	hyper	sig	chr2_5691067
chr8	1.34E+08	134478550	+	2.859E-28	1.46736E-26	-0.23081	hypo	sig	chr8_134478550
chr2	1.32E+08	131829977	+	2.859E-28	1.46761E-26	0.303884	hyper	sig	chr2_131829977
chr12	52007664	52007664	+	2.861E-28	1.46827E-26	0.246407	hyper	sig	chr12_52007664
chr14	60507781	60507781	+	2.878E-28	1.47701E-26	0.209816	hyper	sig	chr14_60507781
chr4	305549	305549	+	2.878E-28	1.47701E-26	0.302796	hyper	sig	chr4_305549
chr19	16283815	16283815	+	2.881E-28	1.47838E-26	0.277559	hyper	sig	chr19_16283815
chr16	10182828	10182828	+	2.882E-28	1.47867E-26	0.317051	hyper	sig	chr16_10182828
chr8	88328040	88328040	+	2.888E-28	1.48159E-26	0.302233	hyper	sig	chr8_88328040
chr9	97855457	97855457	+	2.89E-28	1.48281E-26	0.337541	hyper	sig	chr9_97855457
chr14	47675899	47675899	+	2.902E-28	1.48844E-26	0.333179	hyper	sig	chr14_47675899
chr3	1.54E+08	154429112	+	2.903E-28	1.48923E-26	0.244459	hyper	sig	chr3_154429112

chr13	1.12E+08	112067355	+	2.903E-28	1.48926E-26	0.25361	hyper	sig	chr13_112067355
chr4	1.72E+08	171813550	+	2.908E-28	1.49129E-26	0.359318	hyper	sig	chr4_171813550
chr4	1.33E+08	133148233	+	2.923E-28	1.49904E-26	0.290053	hyper	sig	chr4_133148233
chr10	1.01E+08	100659807	+	2.929E-28	1.50209E-26	0.23218	hyper	sig	chr10_100659807
chr16	89056112	89056112	+	2.934E-28	1.50437E-26	-0.30848	hypo	sig	chr16_89056112
chr3	1.65E+08	165193583	+	2.934E-28	1.50451E-26	0.201058	hyper	sig	chr3_165193583
chr4	3863380	3863380	+	2.942E-28	1.5083E-26	-0.20915	hypo	sig	chr4_3863380
chr2	85584309	85584309	+	2.954E-28	1.51423E-26	0.2679	hyper	sig	chr2_85584309
chr10	1.31E+08	131310999	+	2.956E-28	1.51523E-26	0.262829	hyper	sig	chr10_131310999
chr9	971751	971751	+	2.958E-28	1.51609E-26	0.286621	hyper	sig	chr9_971751
chr5	73382397	73382397	+	2.961E-28	1.5179E-26	0.265466	hyper	sig	chr5_73382397
chr15	89371981	89371981	+	2.964E-28	1.51907E-26	0.300817	hyper	sig	chr15_89371981
chr8	64374527	64374527	+	2.966E-28	1.52031E-26	0.35041	hyper	sig	chr8_64374527
chr2	2.34E+08	233939026	+	2.986E-28	1.53031E-26	0.273958	hyper	sig	chr2_233939026
chr5	88889913	88889913	+	2.988E-28	1.53137E-26	0.251098	hyper	sig	chr5_88889913
chr12	53966696	53966696	+	2.999E-28	1.53676E-26	0.269083	hyper	sig	chr12_53966696
chr6	50849598	50849598	+	3.001E-28	1.53773E-26	0.258706	hyper	sig	chr6_50849598
chr19	9362941	9362941	+	3.006E-28	1.54026E-26	0.281714	hyper	sig	chr19_9362941
chr16	88297321	88297321	+	3.007E-28	1.54031E-26	-0.27275	hypo	sig	chr16_88297321
chr1	1.81E+08	181483010	+	3.019E-28	1.5463E-26	0.209285	hyper	sig	chr1_181483010
chr2	44932846	44932846	+	3.021E-28	1.54733E-26	0.284255	hyper	sig	chr2_44932846
chr14	1.04E+08	104422745	+	3.056E-28	1.56504E-26	0.228533	hyper	sig	chr14_104422745
chr16	51153661	51153661	+	3.056E-28	1.56518E-26	0.319265	hyper	sig	chr16_51153661
chr5	1.79E+08	179224400	+	3.056E-28	1.56518E-26	-0.2902	hypo	sig	chr5_179224400
chr10	1.28E+08	127737766	+	3.063E-28	1.56838E-26	0.295297	hyper	sig	chr10_127737766
chr6	32089348	32089348	+	3.066E-28	1.5698E-26	-0.24178	hypo	sig	chr6_32089348
chr4	1.74E+08	173519452	+	3.066E-28	1.56985E-26	0.246468	hyper	sig	chr4_173519452
chr15	65396893	65396893	+	3.072E-28	1.57275E-26	0.294351	hyper	sig	chr15_65396893
chr5	1950068	1950068	+	3.091E-28	1.58257E-26	-0.29972	hypo	sig	chr5_1950068
chr1	1068221	1068221	+	3.113E-28	1.59379E-26	-0.27862	hypo	sig	chr1_1068221
chr16	54290275	54290275	+	3.115E-28	1.59452E-26	0.25999	hyper	sig	chr16_54290275
chr1	2.21E+08	220884827	+	3.118E-28	1.59579E-26	0.234641	hyper	sig	chr1_220884827
chr18	905045	905045	+	3.119E-28	1.5964E-26	0.29926	hyper	sig	chr18_905045
chr5	1.35E+08	135030511	+	3.128E-28	1.6006E-26	0.310585	hyper	sig	chr5_135030511
chr7	1.57E+08	157387369	+	3.129E-28	1.60127E-26	-0.25335	hypo	sig	chr7_157387369
chr11	60757100	60757100	+	3.134E-28	1.60357E-26	-0.22737	hypo	sig	chr11_60757100
chr13	1.13E+08	113116172	+	3.135E-28	1.60424E-26	-0.27058	hypo	sig	chr13_113116172
chr22	26170013	26170013	+	3.141E-28	1.60687E-26	0.269199	hyper	sig	chr22_26170013
chr5	1.77E+08	177116903	+	3.15E-28	1.61135E-26	0.246432	hyper	sig	chr5_177116903
chr19	58009735	58009735	+	3.151E-28	1.61201E-26	0.22683	hyper	sig	chr19_58009735
chr11	1.12E+08	112499824	+	3.156E-28	1.61451E-26	-0.24606	hypo	sig	chr11_112499824
chr1	26411650	26411650	+	3.16E-28	1.61652E-26	0.265443	hyper	sig	chr1_26411650
chr9	1.37E+08	137031494	+	3.161E-28	1.61671E-26	-0.30805	hypo	sig	chr9_137031494
chr15	89407507	89407507	+	3.166E-28	1.61931E-26	0.201779	hyper	sig	chr15_89407507
chr22	46076671	46076671	+	3.167E-28	1.61956E-26	-0.25313	hypo	sig	chr22_46076671
chr10	99234069	99234069	+	3.176E-28	1.62388E-26	0.243601	hyper	sig	chr10_99234069
chr5	1.79E+08	179060803	+	3.179E-28	1.62548E-26	0.290093	hyper	sig	chr5_179060803
chr11	2140664	2140664	+	3.185E-28	1.6284E-26	0.208896	hyper	sig	chr11_2140664
chr8	49911769	49911769	+	3.187E-28	1.62922E-26	0.268849	hyper	sig	chr8_49911769
chr3	43997989	43997989	+	3.191E-28	1.6314E-26	0.264095	hyper	sig	chr3_43997989
chr19	37251837	37251837	+	3.198E-28	1.63489E-26	0.325527	hyper	sig	chr19_37251837
chr1	3581501	3581501	+	3.2E-28	1.63581E-26	-0.21544	hypo	sig	chr1_3581501
chr11	1.12E+08	111540491	+	3.212E-28	1.64171E-26	0.266941	hyper	sig	chr11_111540491
chr6	1.69E+08	169188714	+	3.212E-28	1.64171E-26	-0.25898	hypo	sig	chr6_169188714
chr5	1.41E+08	141431317	+	3.223E-28	1.64709E-26	0.249881	hyper	sig	chr5_141431317
chr13	57629496	57629496	+	3.225E-28	1.64793E-26	0.296686	hyper	sig	chr13_57629496

chr2	1.15E+08	115163134	+	3.227E-28	1.649E-26	0.267189	hyper	sig	chr2_115163134
chr8	2034821	2034821	+	3.24E-28	1.65535E-26	-0.3229	hypo	sig	chr8_2034821
chr19	58440882	58440882	+	3.24E-28	1.65559E-26	0.242045	hyper	sig	chr19_58440882
chr7	1.59E+08	159143868	+	3.26E-28	1.66549E-26	0.285467	hyper	sig	chr7_159143868
chr7	45922266	45922266	+	3.262E-28	1.66665E-26	0.207089	hyper	sig	chr7_45922266
chr6	36285303	36285303	+	3.264E-28	1.6672E-26	0.264071	hyper	sig	chr6_36285303
chr4	1.11E+08	110614372	+	3.269E-28	1.66992E-26	0.339473	hyper	sig	chr4_110614372
chr4	1.55E+08	154742422	+	3.283E-28	1.67691E-26	0.280323	hyper	sig	chr4_154742422
chr2	5693031	5693031	+	3.285E-28	1.67789E-26	0.300273	hyper	sig	chr2_5693031
chr7	1.5E+08	150341413	+	3.292E-28	1.68126E-26	0.301467	hyper	sig	chr7_150341413
chr13	36155094	36155094	+	3.304E-28	1.68721E-26	0.323529	hyper	sig	chr13_36155094
chr5	1.81E+08	180609421	+	3.305E-28	1.68775E-26	-0.27169	hypo	sig	chr5_180609421
chr13	23901721	23901721	+	3.313E-28	1.69128E-26	-0.32211	hypo	sig	chr13_23901721
chr2	1.24E+08	124025301	+	3.313E-28	1.6916E-26	0.27854	hyper	sig	chr2_124025301
chr7	1.59E+08	159112889	+	3.32E-28	1.69482E-26	0.226359	hyper	sig	chr7_159112889
chr8	96161409	96161409	+	3.333E-28	1.70116E-26	0.275894	hyper	sig	chr8_96161409
chr12	1.14E+08	114440765	+	3.334E-28	1.7017E-26	0.256801	hyper	sig	chr12_114440765
chr10	1.2E+08	119655677	+	3.334E-28	1.70183E-26	-0.34301	hypo	sig	chr10_119655677
chr8	544196	544196	+	3.335E-28	1.70199E-26	0.242583	hyper	sig	chr8_544196
chr20	21713890	21713890	+	3.341E-28	1.70487E-26	0.274193	hyper	sig	chr20_21713890
chr2	1.75E+08	174730215	+	3.352E-28	1.71075E-26	0.234517	hyper	sig	chr2_174730215
chr3	1.25E+08	125357114	+	3.354E-28	1.7114E-26	0.398268	hyper	sig	chr3_125357114
chr6	391252	391252	+	3.356E-28	1.7126E-26	0.27663	hyper	sig	chr6_391252
chr6	1.49E+08	149485603	+	3.37E-28	1.71944E-26	-0.23518	hypo	sig	chr6_149485603
chr2	1.71E+08	170815290	+	3.371E-28	1.71982E-26	0.292423	hyper	sig	chr2_170815290
chr1	1.19E+08	119000722	+	3.381E-28	1.72465E-26	0.256525	hyper	sig	chr1_119000722
chr17	16935109	16935109	+	3.39E-28	1.72907E-26	-0.23131	hypo	sig	chr17_16935109
chr16	84851679	84851679	+	3.401E-28	1.7345E-26	-0.35053	hypo	sig	chr16_84851679
chr4	1.11E+08	110612353	+	3.404E-28	1.73633E-26	0.27158	hyper	sig	chr4_110612353
chr16	85484109	85484109	+	3.407E-28	1.73764E-26	-0.25387	hypo	sig	chr16_85484109
chr9	1.35E+08	134879667	+	3.408E-28	1.73803E-26	-0.30737	hypo	sig	chr9_134879667
chr10	3104817	3104817	+	3.409E-28	1.73808E-26	-0.28842	hypo	sig	chr10_3104817
chr10	1.32E+08	131981089	+	3.417E-28	1.74209E-26	0.231352	hyper	sig	chr10_131981089
chr6	1.34E+08	134176435	+	3.423E-28	1.74516E-26	0.264033	hyper	sig	chr6_134176435
chr17	75784292	75784292	+	3.425E-28	1.74639E-26	-0.22031	hypo	sig	chr17_75784292
chr16	89834368	89834368	+	3.441E-28	1.75399E-26	-0.33935	hypo	sig	chr16_89834368
chr15	47184864	47184864	+	3.447E-28	1.75705E-26	0.230265	hyper	sig	chr15_47184864
chr7	1.5E+08	149723533	+	3.463E-28	1.76478E-26	-0.25295	hypo	sig	chr7_149723533
chr3	1.9E+08	190321352	+	3.467E-28	1.76686E-26	-0.33026	hypo	sig	chr3_190321352
chr21	20997656	20997656	+	3.477E-28	1.77191E-26	0.373367	hyper	sig	chr21_20997656
chr2	2.42E+08	241853173	+	3.479E-28	1.77267E-26	-0.26543	hypo	sig	chr2_241853173
chr16	1107259	1107259	+	3.486E-28	1.77631E-26	-0.263	hypo	sig	chr16_1107259
chr2	1.49E+08	148882276	+	3.491E-28	1.77855E-26	-0.32247	hypo	sig	chr2_148882276
chr1	2.08E+08	207645422	+	3.496E-28	1.78112E-26	0.303543	hyper	sig	chr1_207645422
chr6	32065040	32065040	+	3.499E-28	1.78255E-26	-0.23765	hypo	sig	chr6_32065040
chr4	95549831	95549831	+	3.5E-28	1.78298E-26	0.222039	hyper	sig	chr4_95549831
chr7	35698522	35698522	+	3.518E-28	1.79179E-26	-0.37735	hypo	sig	chr7_35698522
chr1	1.19E+08	118999937	+	3.536E-28	1.80118E-26	0.249011	hyper	sig	chr1_118999937
chr7	5294630	5294630	+	3.543E-28	1.80425E-26	-0.26147	hypo	sig	chr7_5294630
chr19	52535719	52535719	+	3.551E-28	1.80838E-26	0.252981	hyper	sig	chr19_52535719
chr19	56393889	56393889	+	3.554E-28	1.80985E-26	0.289122	hyper	sig	chr19_56393889
chr19	41933138	41933138	+	3.567E-28	1.81634E-26	-0.29717	hypo	sig	chr19_41933138
chr13	36432220	36432220	+	3.577E-28	1.82114E-26	0.260956	hyper	sig	chr13_36432220
chr14	26598479	26598479	+	3.577E-28	1.82118E-26	0.26628	hyper	sig	chr14_26598479
chr11	69449911	69449911	+	3.6E-28	1.83247E-26	-0.23189	hypo	sig	chr11_69449911
chr8	71558219	71558219	+	3.6E-28	1.83247E-26	0.210113	hyper	sig	chr8_71558219

chr5	73444768	73444768	+	3.603E-28	1.83372E-26	0.305307	hyper	sig	chr5_73444768
chr1	38134553	38134553	+	3.605E-28	1.83482E-26	0.235714	hyper	sig	chr1_38134553
chr10	23174412	23174412	+	3.606E-28	1.83539E-26	0.223169	hyper	sig	chr10_23174412
chr22	49930532	49930532	+	3.608E-28	1.83619E-26	-0.25187	hypo	sig	chr22_49930532
chr22	16602701	16602701	+	3.611E-28	1.83736E-26	0.322524	hyper	sig	chr22_16602701
chr16	62035909	62035909	+	3.621E-28	1.84265E-26	0.343578	hyper	sig	chr16_62035909
chr6	1.33E+08	133242602	+	3.631E-28	1.84749E-26	0.242258	hyper	sig	chr6_133242602
chr16	88414501	88414501	+	3.632E-28	1.84772E-26	-0.20375	hypo	sig	chr16_88414501
chr8	11593757	11593757	+	3.648E-28	1.85591E-26	-0.2489	hypo	sig	chr8_11593757
chr19	4556006	4556006	+	3.651E-28	1.85682E-26	-0.28167	hypo	sig	chr19_4556006
chr16	55327635	55327635	+	3.652E-28	1.85754E-26	0.292299	hyper	sig	chr16_55327635
chr11	30584615	30584615	+	3.653E-28	1.85797E-26	0.234641	hyper	sig	chr11_30584615
chr16	828130	828130	+	3.653E-28	1.85797E-26	-0.23697	hypo	sig	chr16_828130
chr11	1371130	1371130	+	3.663E-28	1.86287E-26	-0.27135	hypo	sig	chr11_1371130
chr11	1.07E+08	107019444	+	3.665E-28	1.86339E-26	0.208463	hyper	sig	chr11_107019444
chr11	45691496	45691496	+	3.68E-28	1.87088E-26	-0.31372	hypo	sig	chr11_45691496
chr10	1366366	1366366	+	3.68E-28	1.87107E-26	-0.21914	hypo	sig	chr10_1366366
chr7	4810640	4810640	+	3.68E-28	1.87107E-26	-0.24547	hypo	sig	chr7_4810640
chr16	55328885	55328885	+	3.689E-28	1.87508E-26	0.327132	hyper	sig	chr16_55328885
chr9	1.31E+08	130919111	+	3.696E-28	1.87875E-26	-0.2601	hypo	sig	chr9_130919111
chr12	1.3E+08	130161100	+	3.731E-28	1.89621E-26	0.241091	hyper	sig	chr12_130161100
chr16	89056125	89056125	+	3.741E-28	1.90097E-26	-0.24552	hypo	sig	chr16_89056125
chr2	80302496	80302496	+	3.744E-28	1.90237E-26	0.300571	hyper	sig	chr2_80302496
chr5	51378131	51378131	+	3.749E-28	1.90494E-26	0.311864	hyper	sig	chr5_51378131
chr17	56597838	56597838	+	3.75E-28	1.90519E-26	0.218814	hyper	sig	chr17_56597838
chr7	1.43E+08	142862439	+	3.75E-28	1.90519E-26	-0.3844	hypo	sig	chr7_142862439
chr12	1.31E+08	131435049	+	3.766E-28	1.91326E-26	0.242707	hyper	sig	chr12_131435049
chr8	68331324	68331324	+	3.773E-28	1.91634E-26	0.33571	hyper	sig	chr8_68331324
chr5	1.46E+08	146339049	+	3.778E-28	1.91877E-26	0.249292	hyper	sig	chr5_146339049
chr14	1.02E+08	101958519	+	3.794E-28	1.92681E-26	-0.3682	hypo	sig	chr14_101958519
chr7	82442823	82442823	+	3.795E-28	1.9271E-26	0.21492	hyper	sig	chr7_82442823
chr22	46575806	46575806	+	3.799E-28	1.929E-26	-0.20344	hypo	sig	chr22_46575806
chr19	35352283	35352283	+	3.806E-28	1.93265E-26	-0.23585	hypo	sig	chr19_35352283
chr21	36697021	36697021	+	3.814E-28	1.93643E-26	0.273913	hyper	sig	chr21_36697021
chr1	3274966	3274966	+	3.827E-28	1.94296E-26	-0.32822	hypo	sig	chr1_3274966
chr15	37098073	37098073	+	3.83E-28	1.94418E-26	0.316176	hyper	sig	chr15_37098073
chr5	1657276	1657276	+	3.832E-28	1.94516E-26	-0.30748	hypo	sig	chr5_1657276
chr5	1.33E+08	132819597	+	3.834E-28	1.94597E-26	-0.24449	hypo	sig	chr5_132819597
chr7	2662007	2662007	+	3.843E-28	1.95039E-26	-0.3039	hypo	sig	chr7_2662007
chr16	89916185	89916185	+	3.844E-28	1.95082E-26	-0.28347	hypo	sig	chr16_89916185
chr6	98847866	98847866	+	3.861E-28	1.95965E-26	0.229989	hyper	sig	chr6_98847866
chr5	1.71E+08	171308760	+	3.863E-28	1.96013E-26	0.304073	hyper	sig	chr5_171308760
chr6	84773643	84773643	+	3.865E-28	1.96125E-26	0.211079	hyper	sig	chr6_84773643
chr5	1.73E+08	173234860	+	3.866E-28	1.96176E-26	0.215359	hyper	sig	chr5_173234860
chr8	11982288	11982288	+	3.89E-28	1.97386E-26	-0.21997	hypo	sig	chr8_11982288
chr1	1.11E+08	111271197	+	3.905E-28	1.98099E-26	0.329441	hyper	sig	chr1_111271197
chr11	64972264	64972264	+	3.907E-28	1.98188E-26	0.325091	hyper	sig	chr11_64972264
chr7	1.49E+08	149415284	+	3.908E-28	1.98242E-26	0.27455	hyper	sig	chr7_149415284
chr10	75408422	75408422	+	3.91E-28	1.98313E-26	0.305365	hyper	sig	chr10_75408422
chr12	54029831	54029831	+	3.917E-28	1.98656E-26	0.281988	hyper	sig	chr12_54029831
chr2	5696099	5696099	+	3.917E-28	1.98656E-26	0.277772	hyper	sig	chr2_5696099
chr12	6820425	6820425	+	3.921E-28	1.98836E-26	-0.27569	hypo	sig	chr12_6820425
chr16	88116360	88116360	+	3.934E-28	1.99483E-26	-0.23473	hypo	sig	chr16_88116360
chr15	99434664	99434664	+	3.939E-28	1.99734E-26	-0.33708	hypo	sig	chr15_99434664
chr1	22600998	22600998	+	3.943E-28	1.9991E-26	-0.31465	hypo	sig	chr1_22600998
chr10	11166016	11166016	+	3.947E-28	2.00128E-26	0.265709	hyper	sig	chr10_11166016

chr2	53860332	53860332	+	3.97E-28	2.01263E-26	0.426484	hyper	sig	chr2_53860332
chr1	38064301	38064301	+	3.97E-28	2.01279E-26	-0.25698	hypo	sig	chr1_38064301
chr16	3184314	3184314	+	3.98E-28	2.01777E-26	0.280772	hyper	sig	chr16_3184314
chr6	32061247	32061247	+	3.991E-28	2.02293E-26	-0.25645	hypo	sig	chr6_32061247
chr11	1.35E+08	134657088	+	3.995E-28	2.02515E-26	-0.28649	hypo	sig	chr11_134657088
chr3	1.8E+08	180324955	+	4E-28	2.02723E-26	-0.27129	hypo	sig	chr3_180324955
chr13	50843793	50843793	+	4.019E-28	2.03661E-26	0.282105	hyper	sig	chr13_50843793
chr2	1.8E+08	179861962	+	4.031E-28	2.04256E-26	0.258989	hyper	sig	chr2_179861962
chr16	1543843	1543843	+	4.044E-28	2.04928E-26	-0.27283	hypo	sig	chr16_1543843
chr1	3747215	3747215	+	4.051E-28	2.05263E-26	0.262777	hyper	sig	chr1_3747215
chr11	1.14E+08	114076319	+	4.057E-28	2.05545E-26	-0.31875	hypo	sig	chr11_114076319
chr9	1.37E+08	136739761	+	4.057E-28	2.05558E-26	-0.26683	hypo	sig	chr9_136739761
chr7	118910	118910	+	4.063E-28	2.05837E-26	-0.251	hypo	sig	chr7_118910
chr1	57423363	57423363	+	4.067E-28	2.06015E-26	0.280738	hyper	sig	chr1_57423363
chr17	82457468	82457468	+	4.07E-28	2.06157E-26	-0.35378	hypo	sig	chr17_82457468
chr13	1.11E+08	110506623	+	4.075E-28	2.06421E-26	-0.3191	hypo	sig	chr13_110506623
chr17	82921635	82921635	+	4.089E-28	2.07093E-26	-0.23657	hypo	sig	chr17_82921635
chr14	41606401	41606401	+	4.09E-28	2.07137E-26	0.223684	hyper	sig	chr14_41606401
chr6	27680575	27680575	+	4.102E-28	2.07707E-26	0.267076	hyper	sig	chr6_27680575
chr16	89168358	89168358	+	4.108E-28	2.07995E-26	-0.24082	hypo	sig	chr16_89168358
chr12	80708766	80708766	+	4.117E-28	2.08456E-26	0.249003	hyper	sig	chr12_80708766
chr17	5097577	5097577	+	4.119E-28	2.0853E-26	0.232781	hyper	sig	chr17_5097577
chr10	11742120	11742120	+	4.124E-28	2.08782E-26	0.209114	hyper	sig	chr10_11742120
chr17	7425266	7425266	+	4.138E-28	2.09485E-26	-0.22784	hypo	sig	chr17_7425266
chr1	75134675	75134675	+	4.155E-28	2.10319E-26	0.250886	hyper	sig	chr1_75134675
chr1	2.43E+08	242524120	+	4.186E-28	2.11893E-26	0.215578	hyper	sig	chr1_242524120
chr20	31473831	31473831	+	4.191E-28	2.12088E-26	-0.28802	hypo	sig	chr20_31473831
chr13	78586947	78586947	+	4.202E-28	2.1264E-26	0.233062	hyper	sig	chr13_78586947
chr5	3606894	3606894	+	4.233E-28	2.14173E-26	0.301667	hyper	sig	chr5_3606894
chr2	10162360	10162360	+	4.236E-28	2.14323E-26	-0.25338	hypo	sig	chr2_10162360
chr13	83906621	83906621	+	4.248E-28	2.14903E-26	-0.26185	hypo	sig	chr13_83906621
chr1	66752143	66752143	+	4.248E-28	2.1493E-26	0.255975	hyper	sig	chr1_66752143
chr17	78041192	78041192	+	4.25E-28	2.1498E-26	-0.2453	hypo	sig	chr17_78041192
chr16	3189288	3189288	+	4.255E-28	2.15266E-26	0.235532	hyper	sig	chr16_3189288
chr6	98835922	98835922	+	4.283E-28	2.16646E-26	0.223443	hyper	sig	chr6_98835922
chr10	8036316	8036316	+	4.301E-28	2.17529E-26	0.393884	hyper	sig	chr10_8036316
chr11	72082005	72082005	+	4.302E-28	2.1756E-26	-0.31748	hypo	sig	chr11_72082005
chr11	30016137	30016137	+	4.322E-28	2.1858E-26	0.29754	hyper	sig	chr11_30016137
chr22	39688719	39688719	+	4.324E-28	2.18655E-26	-0.23555	hypo	sig	chr22_39688719
chr16	7304496	7304496	+	4.328E-28	2.18835E-26	0.334273	hyper	sig	chr16_7304496
chr4	1405417	1405417	+	4.343E-28	2.19584E-26	0.313445	hyper	sig	chr4_1405417
chr6	1.08E+08	108171565	+	4.343E-28	2.19607E-26	0.25358	hyper	sig	chr6_108171565
chr17	80823199	80823199	+	4.351E-28	2.19973E-26	-0.28258	hypo	sig	chr17_80823199
chr13	98444210	98444210	+	4.354E-28	2.20123E-26	-0.238	hypo	sig	chr13_98444210
chr14	28774519	28774519	+	4.358E-28	2.20305E-26	0.25051	hyper	sig	chr14_28774519
chr7	45921963	45921963	+	4.371E-28	2.20952E-26	0.244417	hyper	sig	chr7_45921963
chr8	1.16E+08	115648519	+	4.383E-28	2.21512E-26	0.286651	hyper	sig	chr8_115648519
chr19	46412539	46412539	+	4.396E-28	2.22173E-26	0.252289	hyper	sig	chr19_46412539
chr17	34157016	34157016	+	4.42E-28	2.23348E-26	0.243222	hyper	sig	chr17_34157016
chr4	1.55E+08	155208070	+	4.433E-28	2.24013E-26	0.230877	hyper	sig	chr4_155208070
chr1	1.19E+08	119007847	+	4.449E-28	2.24802E-26	0.257094	hyper	sig	chr1_119007847
chr16	88816738	88816738	+	4.468E-28	2.25753E-26	-0.27012	hypo	sig	chr16_88816738
chr12	53973091	53973091	+	4.472E-28	2.25916E-26	0.268567	hyper	sig	chr12_53973091
chr10	7666277	7666277	+	4.477E-28	2.26188E-26	0.245156	hyper	sig	chr10_7666277
chr8	88326853	88326853	+	4.48E-28	2.26297E-26	0.248629	hyper	sig	chr8_88326853
chr5	1.77E+08	176869707	+	4.493E-28	2.26967E-26	-0.21512	hypo	sig	chr5_176869707

chr6	30769349	30769349	+	4.502E-28	2.27379E-26	-0.38422	hypo	sig	chr6_30769349
chr12	1.11E+08	111033733	+	4.515E-28	2.28054E-26	0.369577	hyper	sig	chr12_111033733
chr18	79430121	79430121	+	4.522E-28	2.28401E-26	-0.24958	hypo	sig	chr18_79430121
chr10	93069252	93069252	+	4.547E-28	2.29607E-26	0.234526	hyper	sig	chr10_93069252
chr13	57632930	57632930	+	4.547E-28	2.29607E-26	0.318603	hyper	sig	chr13_57632930
chr17	58154941	58154941	+	4.562E-28	2.30375E-26	-0.31906	hypo	sig	chr17_58154941
chr2	2.32E+08	231528413	+	4.569E-28	2.30695E-26	-0.26297	hypo	sig	chr2_231528413
chr14	53957127	53957127	+	4.573E-28	2.30887E-26	-0.20263	hypo	sig	chr14_53957127
chr10	1.02E+08	102240689	+	4.582E-28	2.31343E-26	0.259311	hyper	sig	chr10_102240689
chr17	48734165	48734165	+	4.583E-28	2.31373E-26	0.202843	hyper	sig	chr17_48734165
chr3	1.47E+08	147410436	+	4.604E-28	2.32412E-26	0.315786	hyper	sig	chr3_147410436
chr4	4383316	4383316	+	4.618E-28	2.33097E-26	-0.29928	hypo	sig	chr4_4383316
chr11	1.03E+08	103109737	+	4.62E-28	2.33183E-26	0.20805	hyper	sig	chr11_103109737
chr2	2.38E+08	238403960	+	4.629E-28	2.33614E-26	0.229346	hyper	sig	chr2_238403960
chr13	52845461	52845461	+	4.631E-28	2.33685E-26	0.271284	hyper	sig	chr13_52845461
chr16	912871	912871	+	4.647E-28	2.34481E-26	0.204775	hyper	sig	chr16_912871
chr7	1.43E+08	142796567	+	4.654E-28	2.34818E-26	0.30741	hyper	sig	chr7_142796567
chr11	31799696	31799696	+	4.657E-28	2.34997E-26	0.383293	hyper	sig	chr11_31799696
chr4	1.55E+08	155376813	+	4.659E-28	2.35086E-26	0.200196	hyper	sig	chr4_155376813
chr17	65536816	65536816	+	4.665E-28	2.35331E-26	-0.34339	hypo	sig	chr17_65536816
chr16	56190747	56190747	+	4.67E-28	2.35553E-26	0.2886	hyper	sig	chr16_56190747
chr8	54470089	54470089	+	4.681E-28	2.36108E-26	0.286927	hyper	sig	chr8_54470089
chr1	38134557	38134557	+	4.693E-28	2.36667E-26	0.236832	hyper	sig	chr1_38134557
chr9	3181076	3181076	+	4.693E-28	2.36667E-26	0.264924	hyper	sig	chr9_3181076
chr19	37817764	37817764	+	4.695E-28	2.36766E-26	0.282662	hyper	sig	chr19_37817764
chr2	66582148	66582148	+	4.696E-28	2.36782E-26	0.251981	hyper	sig	chr2_66582148
chr3	1.38E+08	137761966	+	4.697E-28	2.36811E-26	0.272615	hyper	sig	chr3_137761966
chr5	1.41E+08	141387797	+	4.706E-28	2.37294E-26	0.233198	hyper	sig	chr5_141387797
chr12	1.14E+08	114409723	+	4.718E-28	2.37847E-26	0.222984	hyper	sig	chr12_114409723
chr5	1.56E+08	155729561	+	4.726E-28	2.3827E-26	0.285811	hyper	sig	chr5_155729561
chr4	652753	652753	+	4.747E-28	2.39316E-26	-0.20122	hypo	sig	chr4_652753
chr12	85278007	85278007	+	4.75E-28	2.39416E-26	0.260188	hyper	sig	chr12_85278007
chr19	39312342	39312342	+	4.758E-28	2.39806E-26	-0.27257	hypo	sig	chr19_39312342
chr5	42994077	42994077	+	4.759E-28	2.39868E-26	0.337225	hyper	sig	chr5_42994077
chr3	1.47E+08	147410892	+	4.76E-28	2.39872E-26	0.203101	hyper	sig	chr3_147410892
chr12	78864705	78864705	+	4.773E-28	2.40518E-26	0.21975	hyper	sig	chr12_78864705
chr16	31011032	31011032	+	4.774E-28	2.4055E-26	0.259195	hyper	sig	chr16_31011032
chr19	53132859	53132859	+	4.797E-28	2.41691E-26	0.27285	hyper	sig	chr19_53132859
chr2	20107066	20107066	+	4.813E-28	2.4249E-26	0.294471	hyper	sig	chr2_20107066
chr10	1.3E+08	129969760	+	4.816E-28	2.42631E-26	0.214679	hyper	sig	chr10_129969760
chr20	22576880	22576880	+	4.816E-28	2.42634E-26	-0.2831	hypo	sig	chr20_22576880
chr18	11752150	11752150	+	4.818E-28	2.42688E-26	0.319523	hyper	sig	chr18_11752150
chr19	18304777	18304777	+	4.822E-28	2.42913E-26	-0.20689	hypo	sig	chr19_18304777
chr2	1.72E+08	172253699	+	4.84E-28	2.43763E-26	-0.33379	hypo	sig	chr2_172253699
chr4	1.55E+08	155208624	+	4.871E-28	2.4532E-26	0.240166	hyper	sig	chr4_155208624
chr2	26342891	26342891	+	4.873E-28	2.45396E-26	-0.29619	hypo	sig	chr2_26342891
chr7	1.58E+08	158253609	+	4.876E-28	2.45513E-26	-0.24623	hypo	sig	chr7_158253609
chr13	1.12E+08	112056470	+	4.876E-28	2.45531E-26	0.350873	hyper	sig	chr13_112056470
chr4	6322946	6322946	+	4.897E-28	2.46539E-26	-0.30176	hypo	sig	chr4_6322946
chr21	20997620	20997620	+	4.911E-28	2.47249E-26	0.25551	hyper	sig	chr21_20997620
chr1	14923378	14923378	+	4.915E-28	2.47418E-26	-0.22917	hypo	sig	chr1_14923378
chr1	69569421	69569421	+	4.92E-28	2.47658E-26	0.297972	hyper	sig	chr1_69569421
chr9	971518	971518	+	4.945E-28	2.48882E-26	0.322066	hyper	sig	chr9_971518
chr6	75205092	75205092	+	4.958E-28	2.49562E-26	0.214429	hyper	sig	chr6_75205092
chr10	99530555	99530555	+	4.971E-28	2.50203E-26	0.262687	hyper	sig	chr10_99530555
chr11	504918	504918	+	4.999E-28	2.51557E-26	0.237868	hyper	sig	chr11_504918

chr6	10883907	10883907	+	5.014E-28	2.52306E-26	0.295585	hyper	sig	chr6_10883907
chr7	1.17E+08	117322884	+	5.018E-28	2.52477E-26	0.325355	hyper	sig	chr7_117322884
chr15	52794643	52794643	+	5.019E-28	2.52527E-26	0.289851	hyper	sig	chr15_52794643
chr11	1.16E+08	115711112	+	5.028E-28	2.52963E-26	-0.23148	hypo	sig	chr11_115711112
chr17	58155023	58155023	+	5.047E-28	2.53895E-26	-0.31994	hypo	sig	chr17_58155023
chr2	1.19E+08	118842027	+	5.049E-28	2.54E-26	0.261677	hyper	sig	chr2_118842027
chr18	47932327	47932327	+	5.069E-28	2.54986E-26	-0.2846	hypo	sig	chr18_47932327
chr7	1.54E+08	153886491	+	5.07E-28	2.54992E-26	0.351046	hyper	sig	chr7_153886491
chr7	915818	915818	+	5.09E-28	2.55965E-26	-0.24196	hypo	sig	chr7_915818
chr20	63178580	63178580	+	5.097E-28	2.56296E-26	0.243525	hyper	sig	chr20_63178580
chr22	16602686	16602686	+	5.112E-28	2.57069E-26	0.318894	hyper	sig	chr22_16602686
chr13	24746439	24746439	+	5.128E-28	2.57845E-26	0.306473	hyper	sig	chr13_24746439
chr9	14993517	14993517	+	5.143E-28	2.58562E-26	0.292058	hyper	sig	chr9_14993517
chr11	1026017	1026017	+	5.153E-28	2.59058E-26	-0.32312	hypo	sig	chr11_1026017
chr6	75205090	75205090	+	5.16E-28	2.59378E-26	0.203384	hyper	sig	chr6_75205090
chr6	1.59E+08	158663348	+	5.164E-28	2.59573E-26	-0.34054	hypo	sig	chr6_158663348
chr19	3178782	3178782	+	5.18E-28	2.60337E-26	-0.25418	hypo	sig	chr19_3178782
chr14	41605305	41605305	+	5.197E-28	2.61176E-26	0.223307	hyper	sig	chr14_41605305
chr5	1.35E+08	135039001	+	5.197E-28	2.6119E-26	0.294273	hyper	sig	chr5_135039001
chr7	1.08E+08	107843408	+	5.2E-28	2.61301E-26	-0.31914	hypo	sig	chr7_107843408
chr2	1.13E+08	113291286	+	5.205E-28	2.61571E-26	0.254392	hyper	sig	chr2_113291286
chr17	203155	203155	+	5.206E-28	2.61593E-26	-0.23868	hypo	sig	chr17_203155
chr11	1.34E+08	133935177	+	5.213E-28	2.61926E-26	-0.20007	hypo	sig	chr11_133935177
chr4	21304269	21304269	+	5.219E-28	2.62226E-26	0.228151	hyper	sig	chr4_21304269
chr12	1.24E+08	123913247	+	5.223E-28	2.62384E-26	-0.27824	hypo	sig	chr12_123913247
chr10	1.34E+08	133523907	+	5.232E-28	2.6282E-26	-0.28195	hypo	sig	chr10_133523907
chr11	1.29E+08	128863091	+	5.235E-28	2.62972E-26	-0.31295	hypo	sig	chr11_128863091
chr1	1.11E+08	111271538	+	5.241E-28	2.63252E-26	0.277829	hyper	sig	chr1_111271538
chr13	24932034	24932034	+	5.242E-28	2.63297E-26	0.280598	hyper	sig	chr13_24932034
chr5	574042	574042	+	5.27E-28	2.64664E-26	-0.26397	hypo	sig	chr5_574042
chr2	1.23E+08	122661211	+	5.286E-28	2.65448E-26	0.33674	hyper	sig	chr2_122661211
chr4	52077017	52077017	+	5.324E-28	2.67288E-26	0.259303	hyper	sig	chr4_52077017
chr3	1.92E+08	192408459	+	5.338E-28	2.6796E-26	0.250241	hyper	sig	chr3_192408459
chr22	32371107	32371107	+	5.345E-28	2.68302E-26	-0.22436	hypo	sig	chr22_32371107
chr5	1884299	1884299	+	5.357E-28	2.68903E-26	0.222342	hyper	sig	chr5_1884299
chr20	59011315	59011315	+	5.358E-28	2.68922E-26	-0.25332	hypo	sig	chr20_59011315
chr6	27495438	27495438	+	5.361E-28	2.69045E-26	0.241317	hyper	sig	chr6_27495438
chr3	13071028	13071028	+	5.382E-28	2.7007E-26	-0.27835	hypo	sig	chr3_13071028
chr5	58582534	58582534	+	5.39E-28	2.70475E-26	0.200699	hyper	sig	chr5_58582534
chr13	78586992	78586992	+	5.395E-28	2.70687E-26	0.283173	hyper	sig	chr13_78586992
chr10	1.01E+08	100659798	+	5.4E-28	2.70874E-26	0.219702	hyper	sig	chr10_100659798
chr6	27312260	27312260	+	5.399E-28	2.70874E-26	0.20498	hyper	sig	chr6_27312260
chr7	1.46E+08	146116823	+	5.399E-28	2.70874E-26	0.201751	hyper	sig	chr7_146116823
chr14	1.04E+08	104159305	+	5.401E-28	2.70939E-26	-0.20781	hypo	sig	chr14_104159305
chr3	1.47E+08	147422342	+	5.401E-28	2.70939E-26	0.28457	hyper	sig	chr3_147422342
chr5	2169597	2169597	+	5.412E-28	2.71442E-26	-0.29732	hypo	sig	chr5_2169597
chr1	3208042	3208042	+	5.419E-28	2.71786E-26	-0.25694	hypo	sig	chr1_3208042
chr1	52843504	52843504	+	5.426E-28	2.7212E-26	0.307225	hyper	sig	chr1_52843504
chr7	1.08E+08	107843406	+	5.426E-28	2.7212E-26	-0.32213	hypo	sig	chr7_107843406
chr6	33007147	33007147	+	5.427E-28	2.72153E-26	-0.25351	hypo	sig	chr6_33007147
chr4	13543679	13543679	+	5.432E-28	2.72344E-26	0.242804	hyper	sig	chr4_13543679
chr6	1.63E+08	163413411	+	5.436E-28	2.72573E-26	0.214206	hyper	sig	chr6_163413411
chr4	80267216	80267216	+	5.448E-28	2.73122E-26	0.268883	hyper	sig	chr4_80267216
chr7	1.46E+08	146116815	+	5.462E-28	2.73841E-26	0.221415	hyper	sig	chr7_146116815
chr7	1602201	1602201	+	5.465E-28	2.73931E-26	-0.25934	hypo	sig	chr7_1602201
chr9	1.19E+08	119369865	+	5.478E-28	2.74606E-26	0.289863	hyper	sig	chr9_119369865

chr14	94773087	94773087	+	5.483E-28	2.7482E-26	0.255171	hyper	sig	chr14_94773087
chr13	20946268	20946268	+	5.49E-28	2.7514E-26	0.321132	hyper	sig	chr13_20946268
chr1	12063497	12063497	+	5.491E-28	2.75201E-26	0.205228	hyper	sig	chr1_12063497
chr12	1.03E+08	102961404	+	5.506E-28	2.7591E-26	0.245878	hyper	sig	chr12_102961404
chr11	30585531	30585531	+	5.524E-28	2.76793E-26	0.238319	hyper	sig	chr11_30585531
chr5	1931262	1931262	+	5.53E-28	2.77109E-26	0.224226	hyper	sig	chr5_1931262
chr7	1.55E+08	155399165	+	5.542E-28	2.77664E-26	-0.28776	hypo	sig	chr7_155399165
chr19	3130821	3130821	+	5.546E-28	2.77884E-26	-0.37292	hypo	sig	chr19_3130821
chr12	24903273	24903273	+	5.547E-28	2.7792E-26	0.322116	hyper	sig	chr12_24903273
chr4	55125269	55125269	+	5.553E-28	2.78149E-26	0.318296	hyper	sig	chr4_55125269
chr4	1.11E+08	110641336	+	5.553E-28	2.78149E-26	0.23888	hyper	sig	chr4_110641336
chr19	12195466	12195466	+	5.554E-28	2.78172E-26	0.294189	hyper	sig	chr19_12195466
chr5	1.73E+08	173246095	+	5.56E-28	2.78471E-26	0.292352	hyper	sig	chr5_173246095
chr19	53132894	53132894	+	5.56E-28	2.78474E-26	0.296407	hyper	sig	chr19_53132894
chr2	1.32E+08	132257083	+	5.585E-28	2.79679E-26	0.339166	hyper	sig	chr2_132257083
chr16	509313	509313	+	5.588E-28	2.79819E-26	-0.27503	hypo	sig	chr16_509313
chr6	28810347	28810347	+	5.593E-28	2.80056E-26	0.299627	hyper	sig	chr6_28810347
chr17	64779595	64779595	+	5.602E-28	2.80486E-26	0.376641	hyper	sig	chr17_64779595
chr11	67452431	67452431	+	5.607E-28	2.80723E-26	-0.28072	hypo	sig	chr11_67452431
chr2	1.31E+08	131040072	+	5.628E-28	2.81749E-26	0.269123	hyper	sig	chr2_131040072
chr17	39165266	39165266	+	5.639E-28	2.8227E-26	0.306667	hyper	sig	chr17_39165266
chr4	1.25E+08	125317122	+	5.644E-28	2.8247E-26	0.210439	hyper	sig	chr4_125317122
chr12	53939457	53939457	+	5.646E-28	2.82558E-26	0.209533	hyper	sig	chr12_53939457
chr10	1.33E+08	132960367	+	5.654E-28	2.82983E-26	-0.24847	hypo	sig	chr10_132960367
chr7	27110629	27110629	+	5.662E-28	2.83316E-26	0.254367	hyper	sig	chr7_27110629
chr20	16573886	16573886	+	5.667E-28	2.83553E-26	-0.34306	hypo	sig	chr20_16573886
chr12	24920987	24920987	+	5.679E-28	2.84144E-26	-0.35163	hypo	sig	chr12_24920987
chr12	1.14E+08	114414510	+	5.692E-28	2.84792E-26	0.263871	hyper	sig	chr12_114414510
chr21	26967850	26967850	+	5.692E-28	2.84792E-26	0.252629	hyper	sig	chr21_26967850
chr14	24132619	24132619	+	5.698E-28	2.85033E-26	-0.23664	hypo	sig	chr14_24132619
chr19	18101469	18101469	+	5.7E-28	2.85114E-26	-0.29874	hypo	sig	chr19_18101469
chr2	74415784	74415784	+	5.7E-28	2.85143E-26	0.264952	hyper	sig	chr2_74415784
chr2	66425850	66425850	+	5.715E-28	2.85877E-26	0.227289	hyper	sig	chr2_66425850
chr2	2.27E+08	227460302	+	5.738E-28	2.86962E-26	-0.26967	hypo	sig	chr2_227460302
chr12	78865031	78865031	+	5.751E-28	2.87568E-26	0.290429	hyper	sig	chr12_78865031
chr18	78976774	78976774	+	5.766E-28	2.88291E-26	0.29189	hyper	sig	chr18_78976774
chr5	1.41E+08	141430936	+	5.766E-28	2.88291E-26	0.231726	hyper	sig	chr5_141430936
chr1	2E+08	200036135	+	5.808E-28	2.90362E-26	0.321955	hyper	sig	chr1_200036135
chr4	1.54E+08	153789624	+	5.81E-28	2.9044E-26	0.309882	hyper	sig	chr4_153789624
chr2	1772989	1772989	+	5.812E-28	2.90511E-26	-0.26981	hypo	sig	chr2_1772989
chr2	2.33E+08	233060450	+	5.812E-28	2.90511E-26	-0.27457	hypo	sig	chr2_233060450
chr4	1.77E+08	176792165	+	5.816E-28	2.90685E-26	0.242926	hyper	sig	chr4_176792165
chr4	1221311	1221311	+	5.868E-28	2.93241E-26	0.213804	hyper	sig	chr4_1221311
chr6	30172163	30172163	+	5.87E-28	2.93316E-26	0.280097	hyper	sig	chr6_30172163
chr4	1.74E+08	173519535	+	5.875E-28	2.93531E-26	0.272787	hyper	sig	chr4_173519535
chr6	32055750	32055750	+	5.899E-28	2.94731E-26	-0.27021	hypo	sig	chr6_32055750
chr6	52517643	52517643	+	5.914E-28	2.95477E-26	-0.21732	hypo	sig	chr6_52517643
chr22	24603286	24603286	+	5.922E-28	2.95852E-26	-0.22809	hypo	sig	chr22_24603286
chr4	1.54E+08	153789385	+	5.942E-28	2.9683E-26	0.211653	hyper	sig	chr4_153789385
chr12	6824394	6824394	+	5.943E-28	2.96835E-26	-0.22846	hypo	sig	chr12_6824394
chr11	66421213	66421213	+	5.994E-28	2.99406E-26	0.358934	hyper	sig	chr11_66421213
chr6	1.08E+08	108165199	+	5.998E-28	2.99583E-26	0.357374	hyper	sig	chr6_108165199
chr11	1.06E+08	105610565	+	6.02E-28	3.00631E-26	0.229923	hyper	sig	chr11_105610565
chr13	21912564	21912564	+	6.047E-28	3.01971E-26	-0.27554	hypo	sig	chr13_21912564
chr18	12064367	12064367	+	6.047E-28	3.01971E-26	-0.32116	hypo	sig	chr18_12064367
chr17	81941601	81941601	+	6.05E-28	3.02104E-26	-0.25592	hypo	sig	chr17_81941601

chr7	1.02E+08	102119310	+	6.059E-28	3.02513E-26	-0.35397	hypo	sig	chr7_102119310
chr20	62568816	62568816	+	6.065E-28	3.02775E-26	-0.26624	hypo	sig	chr20_62568816
chr17	77233755	77233755	+	6.066E-28	3.02795E-26	-0.28923	hypo	sig	chr17_77233755
chr3	27731117	27731117	+	6.081E-28	3.03559E-26	0.236762	hyper	sig	chr3_27731117
chr6	1.01E+08	101399442	+	6.085E-28	3.0374E-26	0.269602	hyper	sig	chr6_101399442
chr8	2034773	2034773	+	6.13E-28	3.05949E-26	-0.31639	hypo	sig	chr8_2034773
chr5	1.73E+08	173244546	+	6.14E-28	3.06429E-26	0.297399	hyper	sig	chr5_173244546
chr11	17719709	17719709	+	6.154E-28	3.0708E-26	0.332802	hyper	sig	chr11_17719709
chr19	56393710	56393710	+	6.156E-28	3.07156E-26	0.318586	hyper	sig	chr19_56393710
chr8	8891314	8891314	+	6.161E-28	3.07409E-26	0.231211	hyper	sig	chr8_8891314
chr11	72244104	72244104	+	6.165E-28	3.0756E-26	0.247501	hyper	sig	chr11_72244104
chr1	50416215	50416215	+	6.178E-28	3.08204E-26	0.215415	hyper	sig	chr1_50416215
chr11	526483	526483	+	6.198E-28	3.09201E-26	-0.31683	hypo	sig	chr11_526483
chr8	1.08E+08	108083070	+	6.202E-28	3.09382E-26	0.288415	hyper	sig	chr8_108083070
chr1	90724694	90724694	+	6.221E-28	3.10261E-26	0.245487	hyper	sig	chr1_90724694
chr11	1.21E+08	120562068	+	6.224E-28	3.10414E-26	-0.33309	hypo	sig	chr11_120562068
chr20	38674039	38674039	+	6.233E-28	3.10825E-26	0.23303	hyper	sig	chr20_38674039
chr8	1.42E+08	141974076	+	6.235E-28	3.10932E-26	-0.24604	hypo	sig	chr8_141974076
chr21	20997562	20997562	+	6.237E-28	3.10967E-26	0.302023	hyper	sig	chr21_20997562
chr7	1.56E+08	155799527	+	6.237E-28	3.10967E-26	-0.28322	hypo	sig	chr7_155799527
chr16	56190621	56190621	+	6.252E-28	3.11716E-26	0.253597	hyper	sig	chr16_56190621
chr10	55630584	55630584	+	6.26E-28	3.12098E-26	0.344369	hyper	sig	chr10_55630584
chr17	78993570	78993570	+	6.263E-28	3.12215E-26	-0.20544	hypo	sig	chr17_78993570
chr14	76138785	76138785	+	6.27E-28	3.1252E-26	0.324229	hyper	sig	chr14_76138785
chr2	68319925	68319925	+	6.273E-28	3.12642E-26	0.343462	hyper	sig	chr2_68319925
chr7	2661911	2661911	+	6.287E-28	3.13366E-26	-0.33051	hypo	sig	chr7_2661911
chr16	85181970	85181970	+	6.292E-28	3.13571E-26	-0.26181	hypo	sig	chr16_85181970
chr8	52939802	52939802	+	6.292E-28	3.13571E-26	0.351032	hyper	sig	chr8_52939802
chr7	27102928	27102928	+	6.315E-28	3.14659E-26	0.355879	hyper	sig	chr7_27102928
chr3	1.7E+08	169822602	+	6.316E-28	3.14735E-26	-0.41009	hypo	sig	chr3_169822602
chr4	912130	912130	+	6.331E-28	3.15426E-26	-0.26426	hypo	sig	chr4_912130
chr8	11018036	11018036	+	6.331E-28	3.15426E-26	-0.2758	hypo	sig	chr8_11018036
chr5	88673018	88673018	+	6.334E-28	3.15535E-26	0.222253	hyper	sig	chr5_88673018
chr10	93060326	93060326	+	6.336E-28	3.1564E-26	0.296317	hyper	sig	chr10_93060326
chr1	26411619	26411619	+	6.351E-28	3.16339E-26	0.260056	hyper	sig	chr1_26411619
chr13	42574165	42574165	+	6.351E-28	3.16339E-26	0.223629	hyper	sig	chr13_42574165
chr2	1.71E+08	170823128	+	6.36E-28	3.16758E-26	0.30107	hyper	sig	chr2_170823128
chr22	43862758	43862758	+	6.386E-28	3.18025E-26	0.261656	hyper	sig	chr22_43862758
chr10	1.01E+08	101226147	+	6.39E-28	3.18202E-26	0.302594	hyper	sig	chr10_101226147
chr1	1.47E+08	147080016	+	6.391E-28	3.18213E-26	0.25175	hyper	sig	chr1_147080016
chr16	29332279	29332279	+	6.397E-28	3.18514E-26	-0.31742	hypo	sig	chr16_29332279
chr21	44708985	44708985	+	6.419E-28	3.1959E-26	0.342273	hyper	sig	chr21_44708985
chr20	21704774	21704774	+	6.433E-28	3.20231E-26	0.256854	hyper	sig	chr20_21704774
chr7	35257357	35257357	+	6.435E-28	3.20334E-26	0.206686	hyper	sig	chr7_35257357
chr12	1.14E+08	114414554	+	6.465E-28	3.21803E-26	0.266019	hyper	sig	chr12_114414554
chr16	85483733	85483733	+	6.466E-28	3.21829E-26	-0.25456	hypo	sig	chr16_85483733
chr19	53308749	53308749	+	6.473E-28	3.22131E-26	0.275961	hyper	sig	chr19_53308749
chr16	89085043	89085043	+	6.493E-28	3.23116E-26	-0.20492	hypo	sig	chr16_89085043
chr12	8018931	8018931	+	6.504E-28	3.23628E-26	0.228236	hyper	sig	chr12_8018931
chr4	1.54E+08	154490474	+	6.51E-28	3.23922E-26	0.358331	hyper	sig	chr4_154490474
chr1	13584301	13584301	+	6.556E-28	3.26191E-26	0.321111	hyper	sig	chr1_13584301
chr11	45355329	45355329	+	6.571E-28	3.26934E-26	0.290405	hyper	sig	chr11_45355329
chr5	37838465	37838465	+	6.587E-28	3.27712E-26	0.246193	hyper	sig	chr5_37838465
chr2	1.72E+08	172196992	+	6.591E-28	3.27857E-26	-0.30936	hypo	sig	chr2_172196992
chr3	1.47E+08	147424603	+	6.597E-28	3.28146E-26	0.251645	hyper	sig	chr3_147424603
chr8	98974175	98974175	+	6.601E-28	3.28346E-26	0.329129	hyper	sig	chr8_98974175

chr8	1153240	1153240	+	6.605E-28	3.28494E-26	-0.21691	hypo	sig	chr8_1153240
chr10	27745115	27745115	+	6.617E-28	3.291E-26	0.308636	hyper	sig	chr10_27745115
chr19	43624102	43624102	+	6.632E-28	3.2982E-26	-0.35671	hypo	sig	chr19_43624102
chr6	1.08E+08	108171128	+	6.646E-28	3.30495E-26	0.321864	hyper	sig	chr6_108171128
chr2	47566137	47566137	+	6.668E-28	3.31581E-26	-0.29544	hypo	sig	chr2_47566137
chr12	1.17E+08	117361587	+	6.683E-28	3.32287E-26	0.206871	hyper	sig	chr12_117361587
chr5	1948788	1948788	+	6.689E-28	3.32577E-26	-0.24878	hypo	sig	chr5_1948788
chr10	11164829	11164829	+	6.692E-28	3.32672E-26	0.25577	hyper	sig	chr10_11164829
chr19	23075294	23075294	+	6.746E-28	3.3534E-26	0.225426	hyper	sig	chr19_23075294
chr13	36432231	36432231	+	6.756E-28	3.3582E-26	0.26597	hyper	sig	chr13_36432231
chr7	38976034	38976034	+	6.759E-28	3.35981E-26	0.310474	hyper	sig	chr7_38976034
chr8	8891306	8891306	+	6.769E-28	3.3644E-26	0.221492	hyper	sig	chr8_8891306
chr7	1.57E+08	157298846	+	6.771E-28	3.36514E-26	-0.2234	hypo	sig	chr7_157298846
chr14	53938638	53938638	+	6.772E-28	3.36531E-26	-0.34091	hypo	sig	chr14_53938638
chr16	3305969	3305969	+	6.781E-28	3.36962E-26	0.222806	hyper	sig	chr16_3305969
chr2	38074680	38074680	+	6.789E-28	3.37334E-26	0.362573	hyper	sig	chr2_38074680
chr8	1.42E+08	142173156	+	6.8E-28	3.37896E-26	-0.25928	hypo	sig	chr8_142173156
chr19	15443805	15443805	+	6.807E-28	3.38206E-26	-0.26553	hypo	sig	chr19_15443805
chr8	54457880	54457880	+	6.834E-28	3.3954E-26	0.282594	hyper	sig	chr8_54457880
chr2	1.13E+08	113275941	+	6.847E-28	3.40161E-26	0.258133	hyper	sig	chr2_113275941
chr2	2.42E+08	241985730	+	6.854E-28	3.40427E-26	-0.36515	hypo	sig	chr2_241985730
chr6	50851590	50851590	+	6.877E-28	3.41554E-26	0.282426	hyper	sig	chr6_50851590
chr12	1500147	1500147	+	6.882E-28	3.418E-26	-0.24425	hypo	sig	chr12_1500147
chr8	1.43E+08	143215136	+	6.912E-28	3.43257E-26	-0.25402	hypo	sig	chr8_143215136
chr14	1.05E+08	104926830	+	6.917E-28	3.43491E-26	-0.35015	hypo	sig	chr14_104926830
chr10	1.01E+08	100519725	+	6.922E-28	3.4371E-26	0.357353	hyper	sig	chr10_100519725
chr12	53927562	53927562	+	6.926E-28	3.43902E-26	0.282204	hyper	sig	chr12_53927562
chr10	49679520	49679520	+	6.931E-28	3.44121E-26	0.225278	hyper	sig	chr10_49679520
chr5	19987909	19987909	+	6.94E-28	3.44548E-26	0.321764	hyper	sig	chr5_19987909
chr10	99527907	99527907	+	6.951E-28	3.45069E-26	0.291657	hyper	sig	chr10_99527907
chr8	1.45E+08	144713217	+	6.954E-28	3.45209E-26	0.288546	hyper	sig	chr8_144713217
chr10	75408492	75408492	+	6.967E-28	3.45796E-26	0.33656	hyper	sig	chr10_75408492
chr1	39680988	39680988	+	6.981E-28	3.46463E-26	-0.2783	hypo	sig	chr1_39680988
chr19	36245735	36245735	+	6.989E-28	3.46836E-26	0.290276	hyper	sig	chr19_36245735
chr9	34809768	34809768	+	7.033E-28	3.48981E-26	0.324655	hyper	sig	chr9_34809768
chr4	8559430	8559430	+	7.049E-28	3.4972E-26	-0.27603	hypo	sig	chr4_8559430
chr1	1758123	1758123	+	7.05E-28	3.49774E-26	-0.2107	hypo	sig	chr1_1758123
chr14	76138833	76138833	+	7.056E-28	3.50019E-26	0.32242	hyper	sig	chr14_76138833
chr2	68319878	68319878	+	7.057E-28	3.50019E-26	0.431919	hyper	sig	chr2_68319878
chr8	1.42E+08	142464410	+	7.056E-28	3.50019E-26	0.217175	hyper	sig	chr8_142464410
chr2	74499313	74499313	+	7.067E-28	3.50513E-26	0.21349	hyper	sig	chr2_74499313
chr20	9507224	9507224	+	7.072E-28	3.50743E-26	0.357742	hyper	sig	chr20_9507224
chr17	76446324	76446324	+	7.073E-28	3.50763E-26	-0.27564	hypo	sig	chr17_76446324
chr14	36504160	36504160	+	7.075E-28	3.50827E-26	0.265369	hyper	sig	chr14_36504160
chr12	1.33E+08	132621184	+	7.078E-28	3.50956E-26	-0.26654	hypo	sig	chr12_132621184
chr6	1.68E+08	168117102	+	7.105E-28	3.52302E-26	-0.25621	hypo	sig	chr6_168117102
chr3	1.47E+08	147392436	+	7.125E-28	3.53282E-26	0.328118	hyper	sig	chr3_147392436
chr19	39507630	39507630	+	7.141E-28	3.54014E-26	0.231904	hyper	sig	chr19_39507630
chr1	2428644	2428644	+	7.145E-28	3.54203E-26	-0.22799	hypo	sig	chr1_2428644
chr8	54454272	54454272	+	7.146E-28	3.54244E-26	0.280678	hyper	sig	chr8_54454272
chr13	98444261	98444261	+	7.162E-28	3.54985E-26	-0.2028	hypo	sig	chr13_98444261
chr14	1.01E+08	100845497	+	7.162E-28	3.54985E-26	-0.27581	hypo	sig	chr14_100845497
chr1	7063255	7063255	+	7.181E-28	3.55905E-26	-0.30969	hypo	sig	chr1_7063255
chr8	96160743	96160743	+	7.182E-28	3.55908E-26	0.218756	hyper	sig	chr8_96160743
chr13	36432185	36432185	+	7.2E-28	3.56792E-26	0.257606	hyper	sig	chr13_36432185
chr16	49275275	49275275	+	7.201E-28	3.56838E-26	0.245505	hyper	sig	chr16_49275275

chr7	4093685	4093685	+	7.217E-28	3.57593E-26	0.269378	hyper	sig	chr7_4093685
chr8	24914791	24914791	+	7.219E-28	3.57673E-26	0.227482	hyper	sig	chr8_24914791
chr6	28865706	28865706	+	7.283E-28	3.60798E-26	-0.3553	hypo	sig	chr6_28865706
chr3	1.85E+08	184583488	+	7.296E-28	3.61428E-26	0.293682	hyper	sig	chr3_184583488
chr3	1.38E+08	137761988	+	7.33E-28	3.63064E-26	0.279453	hyper	sig	chr3_137761988
chr7	8443700	8443700	+	7.363E-28	3.64651E-26	0.277609	hyper	sig	chr7_8443700
chr11	8038872	8038872	+	7.383E-28	3.65585E-26	-0.25679	hypo	sig	chr11_8038872
chr19	55547372	55547372	+	7.386E-28	3.65734E-26	-0.29685	hypo	sig	chr19_55547372
chr11	69819720	69819720	+	7.39E-28	3.65866E-26	0.208532	hyper	sig	chr11_69819720
chr8	26048180	26048180	+	7.393E-28	3.66005E-26	0.309183	hyper	sig	chr8_26048180
chr10	1.32E+08	132485048	+	7.429E-28	3.67794E-26	-0.23165	hypo	sig	chr10_132485048
chr10	1.32E+08	131981036	+	7.431E-28	3.6786E-26	0.246961	hyper	sig	chr10_131981036
chr15	64921956	64921956	+	7.439E-28	3.68246E-26	-0.30077	hypo	sig	chr15_64921956
chr11	92225660	92225660	+	7.448E-28	3.68635E-26	0.309301	hyper	sig	chr11_92225660
chr16	49278068	49278068	+	7.46E-28	3.69175E-26	0.299157	hyper	sig	chr16_49278068
chr7	19106941	19106941	+	7.47E-28	3.69666E-26	0.286898	hyper	sig	chr7_19106941
chr16	88818649	88818649	+	7.473E-28	3.69783E-26	-0.23034	hypo	sig	chr16_88818649
chr17	81050294	81050294	+	7.486E-28	3.70438E-26	-0.31829	hypo	sig	chr17_81050294
chr13	1.08E+08	107868235	+	7.488E-28	3.70511E-26	0.260604	hyper	sig	chr13_107868235
chr15	82681090	82681090	+	7.49E-28	3.70591E-26	0.331123	hyper	sig	chr15_82681090
chr14	1.06E+08	105769894	+	7.503E-28	3.71165E-26	-0.29104	hypo	sig	chr14_105769894
chr5	1.79E+08	178941647	+	7.514E-28	3.71697E-26	0.308839	hyper	sig	chr5_178941647
chr22	46077407	46077407	+	7.527E-28	3.72301E-26	-0.26913	hypo	sig	chr22_46077407
chr6	37705956	37705956	+	7.533E-28	3.72558E-26	0.249712	hyper	sig	chr6_37705956
chr2	20671601	20671601	+	7.544E-28	3.73101E-26	0.230711	hyper	sig	chr2_20671601
chr7	986560	986560	+	7.551E-28	3.7345E-26	-0.24343	hypo	sig	chr7_986560
chr7	23247782	23247782	+	7.557E-28	3.73679E-26	0.238747	hyper	sig	chr7_23247782
chr20	49318450	49318450	+	7.558E-28	3.73724E-26	0.353303	hyper	sig	chr20_49318450
chr5	1.23E+08	123095068	+	7.559E-28	3.73731E-26	0.266574	hyper	sig	chr5_123095068
chr6	1.66E+08	165819434	+	7.569E-28	3.74214E-26	0.301265	hyper	sig	chr6_165819434
chr2	1.15E+08	115162428	+	7.576E-28	3.74552E-26	0.252844	hyper	sig	chr2_115162428
chr16	88404371	88404371	+	7.6E-28	3.75709E-26	-0.21182	hypo	sig	chr16_88404371
chr17	80478173	80478173	+	7.62E-28	3.76659E-26	0.243504	hyper	sig	chr17_80478173
chr16	693362	693362	+	7.683E-28	3.79707E-26	-0.23891	hypo	sig	chr16_693362
chr15	71809332	71809332	+	7.696E-28	3.80342E-26	-0.29073	hypo	sig	chr15_71809332
chr17	81153508	81153508	+	7.697E-28	3.80351E-26	-0.32701	hypo	sig	chr17_81153508
chr12	29783499	29783499	+	7.7E-28	3.80498E-26	0.201894	hyper	sig	chr12_29783499
chr17	19346834	19346834	+	7.712E-28	3.81048E-26	-0.35287	hypo	sig	chr17_19346834
chr12	1.1E+08	109606766	+	7.712E-28	3.81062E-26	-0.29921	hypo	sig	chr12_109606766
chr3	1.26E+08	125698562	+	7.731E-28	3.81976E-26	-0.28646	hypo	sig	chr3_125698562
chr20	62311021	62311021	+	7.748E-28	3.82786E-26	-0.2429	hypo	sig	chr20_62311021
chr4	72032065	72032065	+	7.782E-28	3.8443E-26	0.317585	hyper	sig	chr4_72032065
chr12	1.32E+08	132407665	+	7.798E-28	3.85172E-26	-0.3193	hypo	sig	chr12_132407665
chr12	1.14E+08	114409703	+	7.849E-28	3.87672E-26	0.213676	hyper	sig	chr12_114409703
chr4	1.09E+08	109302568	+	7.854E-28	3.87896E-26	0.264573	hyper	sig	chr4_109302568
chr18	55590066	55590066	+	7.86E-28	3.88179E-26	0.232859	hyper	sig	chr18_55590066
chr9	1.36E+08	136269151	+	7.866E-28	3.88456E-26	-0.27682	hypo	sig	chr9_136269151
chr5	3597581	3597581	+	7.884E-28	3.89327E-26	0.284367	hyper	sig	chr5_3597581
chr6	30260409	30260409	+	7.896E-28	3.8988E-26	0.244095	hyper	sig	chr6_30260409
chr5	1876254	1876254	+	7.901E-28	3.90134E-26	0.212537	hyper	sig	chr5_1876254
chr16	3184312	3184312	+	7.904E-28	3.90224E-26	0.280673	hyper	sig	chr16_3184312
chr5	1.41E+08	141398009	+	7.93E-28	3.91463E-26	0.228666	hyper	sig	chr5_141398009
chr7	27101469	27101469	+	7.935E-28	3.91708E-26	0.214344	hyper	sig	chr7_27101469
chr1	1.21E+08	121118211	+	7.939E-28	3.91877E-26	0.255947	hyper	sig	chr1_121118211
chr7	5303304	5303304	+	7.951E-28	3.9245E-26	-0.26381	hypo	sig	chr7_5303304
chr14	47675809	47675809	+	7.97E-28	3.93356E-26	0.273194	hyper	sig	chr14_47675809

chr11	32438250	32438250	+	7.973E-28	3.93489E-26	0.265714	hyper	sig	chr11_32438250
chr21	26967846	26967846	+	7.984E-28	3.93984E-26	0.265341	hyper	sig	chr21_26967846
chr19	4555925	4555925	+	7.987E-28	3.94138E-26	-0.35513	hypo	sig	chr19_4555925
chr2	1.29E+08	128733824	+	7.994E-28	3.94447E-26	-0.24497	hypo	sig	chr2_128733824
chr16	67165510	67165510	+	7.995E-28	3.94465E-26	0.308273	hyper	sig	chr16_67165510
chr1	1758171	1758171	+	8.024E-28	3.95856E-26	-0.20196	hypo	sig	chr1_1758171
chr16	88410243	88410243	+	8.057E-28	3.97448E-26	-0.20064	hypo	sig	chr16_88410243
chr10	7411935	7411935	+	8.07E-28	3.98057E-26	0.349149	hyper	sig	chr10_7411935
chr6	391290	391290	+	8.073E-28	3.98185E-26	0.256105	hyper	sig	chr6_391290
chr15	89409716	89409716	+	8.078E-28	3.98431E-26	0.234861	hyper	sig	chr15_89409716
chr5	1.77E+08	176880795	+	8.087E-28	3.98829E-26	-0.24138	hypo	sig	chr5_176880795
chr14	97795062	97795062	+	8.131E-28	4.00993E-26	-0.28237	hypo	sig	chr14_97795062
chr17	49965198	49965198	+	8.132E-28	4.00993E-26	0.260388	hyper	sig	chr17_49965198
chr11	8169073	8169073	+	8.176E-28	4.03164E-26	0.233449	hyper	sig	chr11_8169073
chr14	1.05E+08	104681491	+	8.209E-28	4.04749E-26	-0.20797	hypo	sig	chr14_104681491
chr5	31855287	31855287	+	8.269E-28	4.07683E-26	0.31414	hyper	sig	chr5_31855287
chr17	48722156	48722156	+	8.272E-28	4.0783E-26	0.290233	hyper	sig	chr17_48722156
chr16	10182840	10182840	+	8.274E-28	4.07903E-26	0.31529	hyper	sig	chr16_10182840
chr16	51153896	51153896	+	8.307E-28	4.09514E-26	0.254623	hyper	sig	chr16_51153896
chr17	81841482	81841482	+	8.313E-28	4.09755E-26	-0.2725	hypo	sig	chr17_81841482
chr17	35488565	35488565	+	8.316E-28	4.09904E-26	0.358239	hyper	sig	chr17_35488565
chr13	27927801	27927801	+	8.318E-28	4.09945E-26	0.322973	hyper	sig	chr13_27927801
chr5	481549	481549	+	8.327E-28	4.10339E-26	-0.25266	hypo	sig	chr5_481549
chr7	97018123	97018123	+	8.332E-28	4.1058E-26	0.277922	hyper	sig	chr7_97018123
chr5	1.77E+08	177116983	+	8.334E-28	4.10639E-26	0.24671	hyper	sig	chr5_177116983
chr8	49911757	49911757	+	8.343E-28	4.11061E-26	0.277223	hyper	sig	chr8_49911757
chr16	51156108	51156108	+	8.351E-28	4.11419E-26	0.260077	hyper	sig	chr16_51156108
chr10	1.33E+08	133230094	+	8.39E-28	4.13311E-26	0.244085	hyper	sig	chr10_133230094
chr8	1.42E+08	141975933	+	8.392E-28	4.13362E-26	-0.27707	hypo	sig	chr8_141975933
chr12	45051278	45051278	+	8.405E-28	4.14004E-26	0.30362	hyper	sig	chr12_45051278
chr13	57631968	57631968	+	8.408E-28	4.14108E-26	0.328584	hyper	sig	chr13_57631968
chr8	1.31E+08	131041527	+	8.441E-28	4.15732E-26	0.288981	hyper	sig	chr8_131041527
chr17	79183635	79183635	+	8.444E-28	4.15837E-26	0.21609	hyper	sig	chr17_79183635
chr5	1.41E+08	141431554	+	8.447E-28	4.15943E-26	0.270136	hyper	sig	chr5_141431554
chr2	44933250	44933250	+	8.474E-28	4.17288E-26	0.246508	hyper	sig	chr2_44933250
chr4	7288131	7288131	+	8.479E-28	4.1749E-26	-0.24814	hypo	sig	chr4_7288131
chr4	3675790	3675790	+	8.482E-28	4.17621E-26	-0.20629	hypo	sig	chr4_3675790
chr6	1.01E+08	101403524	+	8.494E-28	4.1819E-26	0.253874	hyper	sig	chr6_101403524
chr19	21463723	21463723	+	8.509E-28	4.18877E-26	0.353278	hyper	sig	chr19_21463723
chr2	95350088	95350088	+	8.517E-28	4.19218E-26	-0.28013	hypo	sig	chr2_95350088
chr2	2.2E+08	219562126	+	8.527E-28	4.19693E-26	-0.2836	hypo	sig	chr2_219562126
chr6	28635144	28635144	+	8.541E-28	4.20383E-26	0.21069	hyper	sig	chr6_28635144
chr3	1.28E+08	128481880	+	8.543E-28	4.20458E-26	0.242488	hyper	sig	chr3_128481880
chr19	15511874	15511874	+	8.551E-28	4.20809E-26	-0.37208	hypo	sig	chr19_15511874
chr8	48889413	48889413	+	8.568E-28	4.21598E-26	-0.29249	hypo	sig	chr8_48889413
chr2	85584290	85584290	+	8.579E-28	4.22153E-26	0.26296	hyper	sig	chr2_85584290
chr1	18632897	18632897	+	8.6E-28	4.23122E-26	0.20671	hyper	sig	chr1_18632897
chr19	57614533	57614533	+	8.605E-28	4.23357E-26	0.243141	hyper	sig	chr19_57614533
chr17	42685027	42685027	+	8.606E-28	4.23386E-26	0.298822	hyper	sig	chr17_42685027
chr16	88328549	88328549	+	8.612E-28	4.23661E-26	-0.20582	hypo	sig	chr16_88328549
chr16	55328866	55328866	+	8.618E-28	4.23904E-26	0.314526	hyper	sig	chr16_55328866
chr1	58250634	58250634	+	8.639E-28	4.24909E-26	0.235348	hyper	sig	chr1_58250634
chr11	1.19E+08	118893192	+	8.649E-28	4.25391E-26	-0.21593	hypo	sig	chr11_118893192
chr11	32437181	32437181	+	8.659E-28	4.25859E-26	0.276321	hyper	sig	chr11_32437181
chr1	90724562	90724562	+	8.662E-28	4.25987E-26	0.276909	hyper	sig	chr1_90724562
chr15	34754961	34754961	+	8.666E-28	4.26152E-26	0.226657	hyper	sig	chr15_34754961

chr5	1.11E+08	111070785	+	8.681E-28	4.26826E-26	0.241814	hyper	sig	chr5_111070785
chr8	66963140	66963140	+	8.694E-28	4.27445E-26	0.264352	hyper	sig	chr8_66963140
chr1	1.48E+08	148310223	+	8.727E-28	4.29008E-26	0.297906	hyper	sig	chr1_148310223
chr1	2.21E+08	220884848	+	8.742E-28	4.29701E-26	0.216278	hyper	sig	chr1_220884848
chr4	1.39E+08	139279569	+	8.742E-28	4.29701E-26	0.200868	hyper	sig	chr4_139279569
chr2	1.32E+08	132257090	+	8.745E-28	4.2985E-26	0.338192	hyper	sig	chr2_132257090
chr21	33024793	33024793	+	8.764E-28	4.30757E-26	0.267887	hyper	sig	chr21_33024793
chr4	5890623	5890623	+	8.766E-28	4.30794E-26	0.34022	hyper	sig	chr4_5890623
chr9	1.37E+08	136739755	+	8.766E-28	4.30794E-26	-0.25578	hypo	sig	chr9_136739755
chr18	25349303	25349303	+	8.787E-28	4.31773E-26	0.225053	hyper	sig	chr18_25349303
chr12	1.32E+08	132160242	+	8.8E-28	4.32387E-26	-0.2998	hypo	sig	chr12_132160242
chr3	1.38E+08	137771808	+	8.81E-28	4.32853E-26	0.237883	hyper	sig	chr3_137771808
chr17	21378032	21378032	+	8.826E-28	4.3362E-26	0.204371	hyper	sig	chr17_21378032
chr1	3356227	3356227	+	8.842E-28	4.34346E-26	-0.28705	hypo	sig	chr1_3356227
chr16	2157834	2157834	+	8.861E-28	4.35207E-26	-0.25605	hypo	sig	chr16_2157834
chr6	1.63E+08	163413360	+	8.861E-28	4.35207E-26	0.251693	hyper	sig	chr6_163413360
chr2	1.75E+08	174730191	+	8.882E-28	4.36222E-26	0.223695	hyper	sig	chr2_174730191
chr12	48198741	48198741	+	8.892E-28	4.36683E-26	0.249312	hyper	sig	chr12_48198741
chr7	1.59E+08	158995562	+	8.904E-28	4.37236E-26	-0.20534	hypo	sig	chr7_158995562
chr11	31799688	31799688	+	8.922E-28	4.38095E-26	0.38861	hyper	sig	chr11_31799688
chr3	1.92E+08	192408494	+	8.93E-28	4.38464E-26	0.323393	hyper	sig	chr3_192408494
chr7	1.51E+08	151395251	+	8.952E-28	4.39498E-26	-0.26035	hypo	sig	chr7_151395251
chr21	45303241	45303241	+	8.982E-28	4.40956E-26	-0.2574	hypo	sig	chr21_45303241
chr7	1.01E+08	101362614	+	8.985E-28	4.41079E-26	0.271732	hyper	sig	chr7_101362614
chr12	1.3E+08	130473607	+	8.997E-28	4.41639E-26	-0.26023	hypo	sig	chr12_130473607
chr19	55287050	55287050	+	9.006E-28	4.42018E-26	-0.27389	hypo	sig	chr19_55287050
chr13	93226997	93226997	+	9.007E-28	4.4206E-26	0.338333	hyper	sig	chr13_93226997
chr8	56447341	56447341	+	9.018E-28	4.42597E-26	0.24838	hyper	sig	chr8_56447341
chr7	43113996	43113996	+	9.03E-28	4.43121E-26	0.202662	hyper	sig	chr7_43113996
chr7	1.5E+08	149715247	+	9.057E-28	4.44406E-26	0.294699	hyper	sig	chr7_149715247
chr2	1.1E+08	110206209	+	9.061E-28	4.44564E-26	-0.24398	hypo	sig	chr2_110206209
chr12	1.1E+08	109589019	+	9.067E-28	4.44866E-26	-0.36534	hypo	sig	chr12_109589019
chr22	31618453	31618453	+	9.068E-28	4.44868E-26	0.229774	hyper	sig	chr22_31618453
chr3	1.71E+08	170585432	+	9.093E-28	4.46031E-26	0.29441	hyper	sig	chr3_170585432
chr5	1.73E+08	173245532	+	9.095E-28	4.46119E-26	0.281706	hyper	sig	chr5_173245532
chr3	1.3E+08	129974770	+	9.122E-28	4.47401E-26	0.308253	hyper	sig	chr3_129974770
chr7	1.59E+08	159028447	+	9.126E-28	4.47565E-26	-0.29313	hypo	sig	chr7_159028447
chr3	1.28E+08	128496764	+	9.143E-28	4.48401E-26	0.265479	hyper	sig	chr3_128496764
chr2	1.49E+08	148876131	+	9.189E-28	4.50604E-26	0.288776	hyper	sig	chr2_148876131
chr5	1.41E+08	141408297	+	9.203E-28	4.51228E-26	0.293758	hyper	sig	chr5_141408297
chr19	22010547	22010547	+	9.228E-28	4.52432E-26	0.281724	hyper	sig	chr19_22010547
chr10	1.29E+08	128540328	+	9.238E-28	4.52892E-26	0.237344	hyper	sig	chr10_128540328
chr6	1.33E+08	133242409	+	9.247E-28	4.53307E-26	0.250998	hyper	sig	chr6_133242409
chr12	1.1E+08	109814999	+	9.257E-28	4.53765E-26	-0.25434	hypo	sig	chr12_109814999
chr15	23688473	23688473	+	9.302E-28	4.55943E-26	-0.24705	hypo	sig	chr15_23688473
chr6	28447315	28447315	+	9.319E-28	4.56765E-26	0.337645	hyper	sig	chr6_28447315
chr2	1.75E+08	174730183	+	9.333E-28	4.57414E-26	0.261383	hyper	sig	chr2_174730183
chr7	20776564	20776564	+	9.337E-28	4.57593E-26	0.275328	hyper	sig	chr7_20776564
chr7	1.58E+08	158450854	+	9.341E-28	4.57715E-26	-0.24428	hypo	sig	chr7_158450854
chr7	85186227	85186227	+	9.346E-28	4.57974E-26	0.283567	hyper	sig	chr7_85186227
chr20	24142305	24142305	+	9.359E-28	4.58543E-26	-0.26712	hypo	sig	chr20_24142305
chr6	33085092	33085092	+	9.359E-28	4.58554E-26	-0.25416	hypo	sig	chr6_33085092
chr19	22052769	22052769	+	9.372E-28	4.59138E-26	0.284721	hyper	sig	chr19_22052769
chr20	25083460	25083460	+	9.378E-28	4.59427E-26	0.315157	hyper	sig	chr20_25083460
chr8	68331292	68331292	+	9.386E-28	4.59782E-26	0.293906	hyper	sig	chr8_68331292
chr2	1.05E+08	104864236	+	9.39E-28	4.59962E-26	0.202451	hyper	sig	chr2_104864236

chr1	1.19E+08	119006524	+	9.393E-28	4.6007E-26	0.258626	hyper	sig	chr1_119006524
chr15	83365518	83365518	+	9.4E-28	4.6036E-26	0.233226	hyper	sig	chr15_83365518
chr14	47675902	47675902	+	9.405E-28	4.6058E-26	0.331955	hyper	sig	chr14_47675902
chr6	10886889	10886889	+	9.434E-28	4.62003E-26	0.282022	hyper	sig	chr6_10886889
chr7	1.56E+08	156102914	+	9.443E-28	4.62397E-26	-0.27066	hypo	sig	chr7_156102914
chr4	1.74E+08	173531702	+	9.486E-28	4.64487E-26	0.255772	hyper	sig	chr4_173531702
chr8	54466454	54466454	+	9.53E-28	4.66628E-26	0.367724	hyper	sig	chr8_54466454
chr3	1.39E+08	138960702	+	9.555E-28	4.67792E-26	0.224031	hyper	sig	chr3_138960702
chr17	38578588	38578588	+	9.596E-28	4.69769E-26	0.234605	hyper	sig	chr17_38578588
chr11	1.04E+08	104038059	+	9.616E-28	4.70714E-26	-0.29307	hypo	sig	chr11_104038059
chr17	48605685	48605685	+	9.622E-28	4.70984E-26	-0.29273	hypo	sig	chr17_48605685
chr4	8372758	8372758	+	9.641E-28	4.71892E-26	-0.23431	hypo	sig	chr4_8372758
chr1	2.21E+08	220882448	+	9.644E-28	4.72012E-26	0.226076	hyper	sig	chr1_220882448
chr4	92304442	92304442	+	9.653E-28	4.72421E-26	0.207221	hyper	sig	chr4_92304442
chr20	62476382	62476382	+	9.656E-28	4.72542E-26	0.223489	hyper	sig	chr20_62476382
chr22	49923355	49923355	+	9.659E-28	4.72641E-26	-0.25617	hypo	sig	chr22_49923355
chr17	81461167	81461167	+	9.661E-28	4.7273E-26	-0.29192	hypo	sig	chr17_81461167
chr3	26623304	26623304	+	9.689E-28	4.74064E-26	0.270048	hyper	sig	chr3_26623304
chr16	2185024	2185024	+	9.711E-28	4.75107E-26	-0.2235	hypo	sig	chr16_2185024
chr5	1748986	1748986	+	9.716E-28	4.75322E-26	-0.26283	hypo	sig	chr5_1748986
chr17	16683545	16683545	+	9.724E-28	4.75707E-26	0.266456	hyper	sig	chr17_16683545
chr6	31775998	31775998	+	9.735E-28	4.76204E-26	-0.24404	hypo	sig	chr6_31775998
chr7	44219141	44219141	+	9.736E-28	4.76233E-26	-0.23238	hypo	sig	chr7_44219141
chr1	1.8E+08	180255634	+	9.745E-28	4.76619E-26	-0.23053	hypo	sig	chr1_180255634
chr6	10882872	10882872	+	9.806E-28	4.79583E-26	0.254629	hyper	sig	chr6_10882872
chr1	20724004	20724004	+	9.89E-28	4.83602E-26	-0.29647	hypo	sig	chr1_20724004
chr11	15938086	15938086	+	9.891E-28	4.8363E-26	-0.27329	hypo	sig	chr11_15938086
chr15	90004792	90004792	+	9.905E-28	4.84293E-26	-0.34684	hypo	sig	chr15_90004792
chr7	1.56E+08	155795775	+	9.907E-28	4.84338E-26	-0.27257	hypo	sig	chr7_155795775
chr10	7666895	7666895	+	9.924E-28	4.85169E-26	0.272617	hyper	sig	chr10_7666895
chr14	1.04E+08	104303943	+	9.946E-28	4.86223E-26	-0.25388	hypo	sig	chr14_104303943
chr3	27730289	27730289	+	9.972E-28	4.87428E-26	0.223648	hyper	sig	chr3_27730289
chr7	1.55E+08	155257745	+	9.978E-28	4.87672E-26	-0.34154	hypo	sig	chr7_155257745
chr2	2.37E+08	236507727	+	9.98E-28	4.87687E-26	0.337139	hyper	sig	chr2_236507727
chr5	1.16E+08	115962314	+	9.98E-28	4.87687E-26	0.368887	hyper	sig	chr5_115962314
chr8	2046334	2046334	+	9.985E-28	4.87903E-26	-0.28015	hypo	sig	chr8_2046334
chr2	1.28E+08	127644840	+	9.986E-28	4.87927E-26	-0.24377	hypo	sig	chr2_127644840
chr6	1E+08	100448558	+	1.003E-27	4.89907E-26	0.312913	hyper	sig	chr6_100448558
chr10	93612312	93612312	+	1.003E-27	4.90194E-26	-0.3137	hypo	sig	chr10_93612312
chr2	2.42E+08	241641056	+	1.004E-27	4.90236E-26	0.275885	hyper	sig	chr2_241641056
chr5	1.71E+08	170508193	+	1.004E-27	4.90283E-26	-0.26942	hypo	sig	chr5_170508193
chr7	2733493	2733493	+	1.004E-27	4.90283E-26	-0.22228	hypo	sig	chr7_2733493
chr1	47433533	47433533	+	1.004E-27	4.9053E-26	0.343691	hyper	sig	chr1_47433533
chr13	1.12E+08	112055090	+	1.004E-27	4.9053E-26	0.281779	hyper	sig	chr13_112055090
chr15	79090256	79090256	+	1.006E-27	4.91237E-26	0.266252	hyper	sig	chr15_79090256
chr1	2.35E+08	234885635	+	1.007E-27	4.91788E-26	0.261372	hyper	sig	chr1_234885635
chr20	63361766	63361766	+	1.007E-27	4.91811E-26	0.22911	hyper	sig	chr20_63361766
chr2	1.09E+08	109031529	+	1.011E-27	4.93607E-26	0.266036	hyper	sig	chr2_109031529
chr1	1.19E+08	118979616	+	1.012E-27	4.94128E-26	0.297994	hyper	sig	chr1_118979616
chr19	49049388	49049388	+	1.013E-27	4.94614E-26	-0.24048	hypo	sig	chr19_49049388
chr19	18008209	18008209	+	1.014E-27	4.94965E-26	0.210415	hyper	sig	chr19_18008209
chr4	1.11E+08	110629988	+	1.015E-27	4.95295E-26	0.335348	hyper	sig	chr4_110629988
chr1	1.1E+08	109668401	+	1.016E-27	4.96115E-26	0.328807	hyper	sig	chr1_109668401
chr12	1.32E+08	132187127	+	1.018E-27	4.96715E-26	-0.24204	hypo	sig	chr12_132187127
chr9	1.35E+08	134501203	+	1.022E-27	4.98932E-26	0.254037	hyper	sig	chr9_134501203
chr20	62311067	62311067	+	1.029E-27	5.01998E-26	-0.26355	hypo	sig	chr20_62311067

chr16	89168346	89168346	+	1.03E-27	5.02364E-26	-0.23062	hypo	sig	chr16_89168346
chr2	3649912	3649912	+	1.03E-27	5.02545E-26	-0.22199	hypo	sig	chr2_3649912
chr7	2733438	2733438	+	1.031E-27	5.0303E-26	-0.21867	hypo	sig	chr7_2733438
chr1	37690925	37690925	+	1.031E-27	5.03161E-26	-0.23034	hypo	sig	chr1_37690925
chr11	86195289	86195289	+	1.033E-27	5.03997E-26	-0.26254	hypo	sig	chr11_86195289
chr1	16872407	16872407	+	1.035E-27	5.04698E-26	0.224784	hyper	sig	chr1_16872407
chr6	29829434	29829434	+	1.038E-27	5.06333E-26	-0.28587	hypo	sig	chr6_29829434
chr8	1.13E+08	113433684	+	1.047E-27	5.10441E-26	0.286377	hyper	sig	chr8_113433684
chr8	1.43E+08	143187114	+	1.047E-27	5.10536E-26	-0.29667	hypo	sig	chr8_143187114
chr19	49133031	49133031	+	1.05E-27	5.11804E-26	0.273717	hyper	sig	chr19_49133031
chr17	41098187	41098187	+	1.052E-27	5.12829E-26	-0.32391	hypo	sig	chr17_41098187
chr19	57614700	57614700	+	1.052E-27	5.13132E-26	0.285688	hyper	sig	chr19_57614700
chr6	37649018	37649018	+	1.053E-27	5.13267E-26	0.340983	hyper	sig	chr6_37649018
chr15	73727893	73727893	+	1.053E-27	5.13287E-26	-0.29511	hypo	sig	chr15_73727893
chr10	1.28E+08	127737694	+	1.053E-27	5.13322E-26	0.251737	hyper	sig	chr10_127737694
chr2	1.23E+08	122661198	+	1.053E-27	5.13322E-26	0.327227	hyper	sig	chr2_122661198
chr17	14303975	14303975	+	1.058E-27	5.15775E-26	0.220212	hyper	sig	chr17_14303975
chr8	1.42E+08	141760552	+	1.058E-27	5.15814E-26	-0.25105	hypo	sig	chr8_141760552
chr7	2193495	2193495	+	1.059E-27	5.15903E-26	-0.27094	hypo	sig	chr7_2193495
chr12	40692328	40692328	+	1.059E-27	5.16224E-26	0.231588	hyper	sig	chr12_40692328
chr15	70196743	70196743	+	1.062E-27	5.17709E-26	-0.25022	hypo	sig	chr15_70196743
chr6	1.46E+08	146029210	+	1.065E-27	5.19005E-26	0.254005	hyper	sig	chr6_146029210
chr8	56445571	56445571	+	1.065E-27	5.19144E-26	0.235099	hyper	sig	chr8_56445571
chr16	89383590	89383590	+	1.066E-27	5.19199E-26	-0.27633	hypo	sig	chr16_89383590
chr2	2.42E+08	241863752	+	1.067E-27	5.19924E-26	0.208723	hyper	sig	chr2_241863752
chr17	80823190	80823190	+	1.068E-27	5.20173E-26	-0.28819	hypo	sig	chr17_80823190
chr2	96527901	96527901	+	1.069E-27	5.20747E-26	0.341874	hyper	sig	chr2_96527901
chr5	1.29E+08	128538003	+	1.073E-27	5.22412E-26	0.288079	hyper	sig	chr5_128538003
chr7	1.22E+08	122300198	+	1.073E-27	5.22451E-26	0.311156	hyper	sig	chr7_122300198
chr11	66421240	66421240	+	1.074E-27	5.22928E-26	0.313503	hyper	sig	chr11_66421240
chr20	21514339	21514339	+	1.078E-27	5.25063E-26	0.299868	hyper	sig	chr20_21514339
chr2	88765335	88765335	+	1.08E-27	5.25859E-26	0.2847	hyper	sig	chr2_88765335
chr5	1.8E+08	179530563	+	1.084E-27	5.27679E-26	0.207249	hyper	sig	chr5_179530563
chr2	2.24E+08	224441226	+	1.086E-27	5.28475E-26	-0.4185	hypo	sig	chr2_224441226
chr1	3076056	3076056	+	1.086E-27	5.28851E-26	-0.23995	hypo	sig	chr1_3076056
chr13	1.13E+08	113115158	+	1.086E-27	5.28851E-26	-0.2313	hypo	sig	chr13_113115158
chr4	41359606	41359606	+	1.087E-27	5.29004E-26	-0.37126	hypo	sig	chr4_41359606
chr1	1.14E+08	114154417	+	1.088E-27	5.29317E-26	0.239238	hyper	sig	chr1_114154417
chr10	26212122	26212122	+	1.088E-27	5.29694E-26	0.347345	hyper	sig	chr10_26212122
chr1	33178675	33178675	+	1.09E-27	5.30506E-26	-0.23552	hypo	sig	chr1_33178675
chr10	93069279	93069279	+	1.09E-27	5.3052E-26	0.210601	hyper	sig	chr10_93069279
chr11	27721671	27721671	+	1.092E-27	5.31192E-26	0.273081	hyper	sig	chr11_27721671
chr13	1.14E+08	114005191	+	1.093E-27	5.31694E-26	-0.26166	hypo	sig	chr13_114005191
chr3	27731324	27731324	+	1.093E-27	5.31954E-26	0.323671	hyper	sig	chr3_27731324
chr12	43552059	43552059	+	1.096E-27	5.33307E-26	0.325963	hyper	sig	chr12_43552059
chr18	59265048	59265048	+	1.097E-27	5.33478E-26	0.296148	hyper	sig	chr18_59265048
chr10	1648854	1648854	+	1.1E-27	5.3493E-26	-0.2513	hypo	sig	chr10_1648854
chr2	1.87E+08	186849276	+	1.1E-27	5.35122E-26	0.22815	hyper	sig	chr2_186849276
chr17	80064358	80064358	+	1.102E-27	5.3575E-26	-0.2628	hypo	sig	chr17_80064358
chr13	1.14E+08	114048797	+	1.106E-27	5.37745E-26	-0.26143	hypo	sig	chr13_114048797
chr8	1.43E+08	142777137	+	1.108E-27	5.38635E-26	0.241947	hyper	sig	chr8_142777137
chr2	30446891	30446891	+	1.112E-27	5.40562E-26	-0.2997	hypo	sig	chr2_30446891
chr10	6023893	6023893	+	1.112E-27	5.40572E-26	-0.28317	hypo	sig	chr10_6023893
chr5	1.41E+08	141421466	+	1.114E-27	5.41523E-26	0.230699	hyper	sig	chr5_141421466
chr14	69850136	69850136	+	1.115E-27	5.42052E-26	-0.33659	hypo	sig	chr14_69850136
chr3	1.39E+08	138960736	+	1.12E-27	5.44607E-26	0.249042	hyper	sig	chr3_138960736

chr22	16602522	16602522	+	1.122E-27	5.45399E-26	0.286179	hyper	sig	chr22_16602522
chr4	4858114	4858114	+	1.126E-27	5.4732E-26	0.286582	hyper	sig	chr4_4858114
chr9	1.37E+08	136739748	+	1.127E-27	5.47598E-26	-0.28103	hypo	sig	chr9_136739748
chr7	49776046	49776046	+	1.127E-27	5.47712E-26	0.207654	hyper	sig	chr7_49776046
chr4	1.66E+08	165874483	+	1.129E-27	5.48705E-26	0.290678	hyper	sig	chr4_165874483
chr6	1.52E+08	151807348	+	1.129E-27	5.48705E-26	0.223207	hyper	sig	chr6_151807348
chr6	32058100	32058100	+	1.133E-27	5.50327E-26	-0.25543	hypo	sig	chr6_32058100
chr10	1.29E+08	128541052	+	1.136E-27	5.51652E-26	0.221695	hyper	sig	chr10_128541052
chr2	467906	467906	+	1.137E-27	5.52377E-26	0.269982	hyper	sig	chr2_467906
chr17	796814	796814	+	1.139E-27	5.53504E-26	-0.27794	hypo	sig	chr17_796814
chr6	50843280	50843280	+	1.141E-27	5.54011E-26	0.270196	hyper	sig	chr6_50843280
chr2	63053908	63053908	+	1.141E-27	5.5428E-26	0.217473	hyper	sig	chr2_63053908
chr22	43437270	43437270	+	1.142E-27	5.54666E-26	-0.22448	hypo	sig	chr22_43437270
chr1	16939012	16939012	+	1.143E-27	5.55144E-26	0.231663	hyper	sig	chr1_16939012
chr1	9275763	9275763	+	1.144E-27	5.55383E-26	-0.22799	hypo	sig	chr1_9275763
chr13	57629916	57629916	+	1.148E-27	5.57175E-26	0.272573	hyper	sig	chr13_57629916
chr5	2683890	2683890	+	1.154E-27	5.60395E-26	-0.2115	hypo	sig	chr5_2683890
chr20	23048331	23048331	+	1.16E-27	5.62873E-26	0.228673	hyper	sig	chr20_23048331
chr7	97021967	97021967	+	1.162E-27	5.6395E-26	0.343814	hyper	sig	chr7_97021967
chr1	2.34E+08	233904328	+	1.162E-27	5.63978E-26	0.294383	hyper	sig	chr1_233904328
chr19	58043149	58043149	+	1.162E-27	5.63984E-26	0.288745	hyper	sig	chr19_58043149
chr6	1.68E+08	167977993	+	1.163E-27	5.64571E-26	-0.26127	hypo	sig	chr6_167977993
chr10	61453627	61453627	+	1.171E-27	5.68077E-26	0.209338	hyper	sig	chr10_61453627
chr21	41765556	41765556	+	1.171E-27	5.68077E-26	-0.21427	hypo	sig	chr21_41765556
chr20	23031604	23031604	+	1.173E-27	5.69184E-26	-0.27547	hypo	sig	chr20_23031604
chr20	63273955	63273955	+	1.18E-27	5.72234E-26	-0.26289	hypo	sig	chr20_63273955
chr19	1467016	1467016	+	1.181E-27	5.72921E-26	0.261532	hyper	sig	chr19_1467016
chr19	20661373	20661373	+	1.185E-27	5.74781E-26	0.312831	hyper	sig	chr19_20661373
chr3	62374062	62374062	+	1.185E-27	5.74781E-26	0.235747	hyper	sig	chr3_62374062
chr1	1.47E+08	147072753	+	1.188E-27	5.76024E-26	0.295416	hyper	sig	chr1_147072753
chr5	1.41E+08	140795263	+	1.188E-27	5.76353E-26	0.307553	hyper	sig	chr5_140795263
chr8	2089968	2089968	+	1.19E-27	5.77051E-26	-0.26442	hypo	sig	chr8_2089968
chr11	1.09E+08	109423521	+	1.193E-27	5.78625E-26	0.269896	hyper	sig	chr11_109423521
chr14	28760067	28760067	+	1.194E-27	5.78866E-26	0.309408	hyper	sig	chr14_28760067
chr21	46296546	46296546	+	1.196E-27	5.79664E-26	0.233471	hyper	sig	chr21_46296546
chr19	49132996	49132996	+	1.197E-27	5.80382E-26	0.317853	hyper	sig	chr19_49132996
chr5	1.41E+08	141431782	+	1.199E-27	5.81227E-26	0.225993	hyper	sig	chr5_141431782
chr6	6002987	6002987	+	1.199E-27	5.8143E-26	0.248716	hyper	sig	chr6_6002987
chr5	51387780	51387780	+	1.202E-27	5.8247E-26	0.244135	hyper	sig	chr5_51387780
chr9	1.3E+08	129674276	+	1.204E-27	5.83332E-26	-0.23236	hypo	sig	chr9_129674276
chr5	1.41E+08	141397997	+	1.204E-27	5.83603E-26	0.219085	hyper	sig	chr5_141397997
chr7	561780	561780	+	1.207E-27	5.8471E-26	0.229216	hyper	sig	chr7_561780
chr18	37544883	37544883	+	1.209E-27	5.8598E-26	-0.24638	hypo	sig	chr18_37544883
chr3	1.25E+08	125142027	+	1.21E-27	5.8647E-26	0.275797	hyper	sig	chr3_125142027
chr8	64586262	64586262	+	1.211E-27	5.87003E-26	0.287765	hyper	sig	chr8_64586262
chr10	1.01E+08	101228433	+	1.212E-27	5.87319E-26	0.25159	hyper	sig	chr10_101228433
chr4	95549995	95549995	+	1.213E-27	5.87879E-26	0.238851	hyper	sig	chr4_95549995
chr17	82315414	82315414	+	1.216E-27	5.89266E-26	-0.27089	hypo	sig	chr17_82315414
chr17	78041158	78041158	+	1.22E-27	5.90889E-26	-0.27546	hypo	sig	chr17_78041158
chr19	16283782	16283782	+	1.222E-27	5.91688E-26	0.257443	hyper	sig	chr19_16283782
chr7	97007238	97007238	+	1.222E-27	5.91765E-26	0.299948	hyper	sig	chr7_97007238
chr6	62286797	62286797	+	1.227E-27	5.9404E-26	0.295817	hyper	sig	chr6_62286797
chr16	55656531	55656531	+	1.228E-27	5.94777E-26	0.256377	hyper	sig	chr16_55656531
chr12	1.07E+08	106585515	+	1.229E-27	5.95388E-26	0.323364	hyper	sig	chr12_106585515
chr18	69400558	69400558	+	1.235E-27	5.98012E-26	0.341334	hyper	sig	chr18_69400558
chr20	56627786	56627786	+	1.235E-27	5.98128E-26	0.298002	hyper	sig	chr20_56627786

chr5	1.41E+08	141235868	+	1.237E-27	5.98616E-26	0.237088	hyper	sig	chr5_141235868
chr13	1.14E+08	114081865	+	1.24E-27	6.00145E-26	0.240285	hyper	sig	chr13_114081865
chr13	36130818	36130818	+	1.249E-27	6.0469E-26	0.244952	hyper	sig	chr13_36130818
chr5	59893559	59893559	+	1.253E-27	6.0645E-26	0.314766	hyper	sig	chr5_59893559
chr22	49923345	49923345	+	1.256E-27	6.07602E-26	-0.23556	hypo	sig	chr22_49923345
chr19	57584291	57584291	+	1.256E-27	6.0768E-26	0.359361	hyper	sig	chr19_57584291
chr17	78041317	78041317	+	1.261E-27	6.10096E-26	-0.26007	hypo	sig	chr17_78041317
chr6	98825248	98825248	+	1.264E-27	6.11517E-26	0.230671	hyper	sig	chr6_98825248
chr16	89202309	89202309	+	1.265E-27	6.12144E-26	0.229361	hyper	sig	chr16_89202309
chr19	52453544	52453544	+	1.268E-27	6.13475E-26	0.268525	hyper	sig	chr19_52453544
chr13	37869037	37869037	+	1.27E-27	6.14343E-26	0.290979	hyper	sig	chr13_37869037
chr6	10422379	10422379	+	1.275E-27	6.16866E-26	0.238299	hyper	sig	chr6_10422379
chr6	1.7E+08	170423274	+	1.279E-27	6.18613E-26	0.259319	hyper	sig	chr6_170423274
chr22	24188380	24188380	+	1.279E-27	6.18717E-26	-0.2893	hypo	sig	chr22_24188380
chr16	89154179	89154179	+	1.281E-27	6.19666E-26	-0.20823	hypo	sig	chr16_89154179
chr8	23702529	23702529	+	1.283E-27	6.20539E-26	0.274601	hyper	sig	chr8_23702529
chr10	86264916	86264916	+	1.286E-27	6.2196E-26	-0.2819	hypo	sig	chr10_86264916
chr10	1.34E+08	133523910	+	1.288E-27	6.22726E-26	-0.28688	hypo	sig	chr10_133523910
chr2	1.19E+08	118841901	+	1.29E-27	6.23649E-26	0.21285	hyper	sig	chr2_118841901
chr5	1.11E+08	111070873	+	1.291E-27	6.24216E-26	0.281168	hyper	sig	chr5_111070873
chr13	1.12E+08	112074054	+	1.293E-27	6.25191E-26	0.21145	hyper	sig	chr13_112074054
chr19	57600399	57600399	+	1.298E-27	6.2723E-26	0.224448	hyper	sig	chr19_57600399
chr1	2.48E+08	247937157	+	1.301E-27	6.2898E-26	0.234257	hyper	sig	chr1_247937157
chr10	1.28E+08	127737768	+	1.301E-27	6.2898E-26	0.302701	hyper	sig	chr10_127737768
chr3	1.47E+08	147392411	+	1.307E-27	6.31792E-26	0.266391	hyper	sig	chr3_147392411
chr3	1.86E+08	186361437	+	1.313E-27	6.34323E-26	0.288501	hyper	sig	chr3_186361437
chr4	52076987	52076987	+	1.313E-27	6.34323E-26	0.261434	hyper	sig	chr4_52076987
chr8	1.44E+08	144047103	+	1.313E-27	6.34662E-26	-0.26666	hypo	sig	chr8_144047103
chr1	18112290	18112290	+	1.314E-27	6.34888E-26	-0.25038	hypo	sig	chr1_18112290
chr2	1.15E+08	115162377	+	1.317E-27	6.36255E-26	0.2675	hyper	sig	chr2_115162377
chr9	970321	970321	+	1.317E-27	6.36308E-26	0.202936	hyper	sig	chr9_970321
chr19	58059210	58059210	+	1.317E-27	6.36441E-26	0.386196	hyper	sig	chr19_58059210
chr5	31855282	31855282	+	1.319E-27	6.37101E-26	0.2966	hyper	sig	chr5_31855282
chr3	1.43E+08	143121359	+	1.321E-27	6.38221E-26	0.277452	hyper	sig	chr3_143121359
chr19	49037716	49037716	+	1.323E-27	6.38889E-26	-0.23009	hypo	sig	chr19_49037716
chr2	1.49E+08	148876060	+	1.325E-27	6.40134E-26	0.278117	hyper	sig	chr2_148876060
chr14	1.05E+08	104728640	+	1.327E-27	6.40698E-26	-0.24696	hypo	sig	chr14_104728640
chr5	1.81E+08	180606595	+	1.327E-27	6.40759E-26	-0.26157	hypo	sig	chr5_180606595
chr16	67165507	67165507	+	1.33E-27	6.42089E-26	0.336039	hyper	sig	chr16_67165507
chr5	1446108	1446108	+	1.334E-27	6.44157E-26	0.276225	hyper	sig	chr5_1446108
chr3	42265433	42265433	+	1.338E-27	6.45947E-26	0.245854	hyper	sig	chr3_42265433
chr6	1.08E+08	108171534	+	1.339E-27	6.46375E-26	0.263701	hyper	sig	chr6_108171534
chr2	1.27E+08	127418329	+	1.343E-27	6.48429E-26	-0.24971	hypo	sig	chr2_127418329
chr19	57240223	57240223	+	1.344E-27	6.48635E-26	0.279141	hyper	sig	chr19_57240223
chr1	1007299	1007299	+	1.344E-27	6.48817E-26	-0.23248	hypo	sig	chr1_1007299
chr2	1.19E+08	118834086	+	1.349E-27	6.50879E-26	0.309704	hyper	sig	chr2_118834086
chr11	1.2E+08	120168103	+	1.358E-27	6.55208E-26	-0.28177	hypo	sig	chr11_120168103
chr2	2.06E+08	205679687	+	1.359E-27	6.55974E-26	-0.2507	hypo	sig	chr2_205679687
chr3	13041576	13041576	+	1.363E-27	6.57699E-26	-0.27261	hypo	sig	chr3_13041576
chr17	48606235	48606235	+	1.364E-27	6.5806E-26	-0.22405	hypo	sig	chr17_48606235
chr16	58464690	58464690	+	1.366E-27	6.59319E-26	0.218328	hyper	sig	chr16_58464690
chr3	1.38E+08	137761287	+	1.367E-27	6.59427E-26	0.275464	hyper	sig	chr3_137761287
chr19	45767161	45767161	+	1.37E-27	6.61157E-26	0.236272	hyper	sig	chr19_45767161
chr3	1.28E+08	128492283	+	1.371E-27	6.61298E-26	0.267871	hyper	sig	chr3_128492283
chr5	95532	95532	+	1.375E-27	6.63182E-26	-0.325	hypo	sig	chr5_95532
chr2	96527893	96527893	+	1.375E-27	6.63412E-26	0.33846	hyper	sig	chr2_96527893

chr12	1.14E+08	113669918	+	1.375E-27	6.63443E-26	0.259802	hyper	sig	chr12_113669918
chr11	1.34E+08	134068893	+	1.377E-27	6.64161E-26	0.205489	hyper	sig	chr11_134068893
chr12	1.32E+08	132187110	+	1.379E-27	6.65259E-26	-0.22671	hypo	sig	chr12_132187110
chr7	1.02E+08	102119228	+	1.382E-27	6.6632E-26	-0.36852	hypo	sig	chr7_102119228
chr3	44022366	44022366	+	1.384E-27	6.67503E-26	0.237542	hyper	sig	chr3_44022366
chr5	1.4E+08	140345684	+	1.384E-27	6.67516E-26	-0.39258	hypo	sig	chr5_140345684
chr17	68198819	68198819	+	1.385E-27	6.67925E-26	0.278939	hyper	sig	chr17_68198819
chr1	90725027	90725027	+	1.388E-27	6.69223E-26	0.28517	hyper	sig	chr1_90725027
chr11	1.23E+08	122977810	+	1.391E-27	6.70674E-26	0.271619	hyper	sig	chr11_122977810
chr8	1.44E+08	144074375	+	1.395E-27	6.72376E-26	-0.27562	hypo	sig	chr8_144074375
chr3	1.31E+08	130517415	+	1.399E-27	6.74313E-26	0.245939	hyper	sig	chr3_130517415
chr2	1.76E+08	176083440	+	1.404E-27	6.76661E-26	0.251942	hyper	sig	chr2_176083440
chr3	1.47E+08	147410862	+	1.405E-27	6.7706E-26	0.213892	hyper	sig	chr3_147410862
chr8	71844769	71844769	+	1.408E-27	6.78405E-26	0.25391	hyper	sig	chr8_71844769
chr21	26967769	26967769	+	1.411E-27	6.7975E-26	0.238992	hyper	sig	chr21_26967769
chr14	28774522	28774522	+	1.412E-27	6.80333E-26	0.254091	hyper	sig	chr14_28774522
chr17	21378079	21378079	+	1.412E-27	6.80333E-26	0.235737	hyper	sig	chr17_21378079
chr1	50416299	50416299	+	1.412E-27	6.80372E-26	0.317011	hyper	sig	chr1_50416299
chr19	53308696	53308696	+	1.419E-27	6.83695E-26	0.265382	hyper	sig	chr19_53308696
chr5	71719683	71719683	+	1.422E-27	6.84862E-26	0.330262	hyper	sig	chr5_71719683
chr4	1.54E+08	154491252	+	1.422E-27	6.85161E-26	0.230701	hyper	sig	chr4_154491252
chr12	70920538	70920538	+	1.423E-27	6.85567E-26	0.283166	hyper	sig	chr12_70920538
chr11	1152559	1152559	+	1.432E-27	6.89948E-26	-0.24879	hypo	sig	chr11_1152559
chr1	1.19E+08	118989785	+	1.44E-27	6.93725E-26	0.328317	hyper	sig	chr1_118989785
chr6	84767187	84767187	+	1.445E-27	6.95772E-26	0.285623	hyper	sig	chr6_84767187
chr7	228008	228008	+	1.46E-27	7.02861E-26	-0.32322	hypo	sig	chr7_228008
chr4	1.47E+08	146637283	+	1.462E-27	7.03882E-26	0.368976	hyper	sig	chr4_146637283
chr12	54060627	54060627	+	1.467E-27	7.06353E-26	0.284518	hyper	sig	chr12_54060627
chr15	78764173	78764173	+	1.469E-27	7.07137E-26	-0.2428	hypo	sig	chr15_78764173
chr5	2749669	2749669	+	1.472E-27	7.0855E-26	0.295539	hyper	sig	chr5_2749669
chr6	27268114	27268114	+	1.472E-27	7.08639E-26	0.252605	hyper	sig	chr6_27268114
chr6	1.68E+08	167978051	+	1.472E-27	7.08678E-26	-0.27074	hypo	sig	chr6_167978051
chr5	1.41E+08	141417754	+	1.477E-27	7.10756E-26	0.266958	hyper	sig	chr5_141417754
chr3	1.47E+08	147391095	+	1.477E-27	7.11099E-26	0.239533	hyper	sig	chr3_147391095
chr12	75209521	75209521	+	1.482E-27	7.13312E-26	0.285715	hyper	sig	chr12_75209521
chr4	1048222	1048222	+	1.487E-27	7.15534E-26	-0.27792	hypo	sig	chr4_1048222
chr1	1.77E+08	177171467	+	1.489E-27	7.16311E-26	0.262572	hyper	sig	chr1_177171467
chr5	1.41E+08	141432048	+	1.491E-27	7.17627E-26	0.26887	hyper	sig	chr5_141432048
chr8	42499326	42499326	+	1.493E-27	7.18319E-26	0.260955	hyper	sig	chr8_42499326
chr5	1.29E+08	128965572	+	1.495E-27	7.19475E-26	0.281857	hyper	sig	chr5_128965572
chr4	1.54E+08	154491235	+	1.497E-27	7.20184E-26	0.202266	hyper	sig	chr4_154491235
chr11	1841218	1841218	+	1.498E-27	7.20605E-26	-0.31834	hypo	sig	chr11_1841218
chr4	1.47E+08	146655415	+	1.501E-27	7.22274E-26	0.280616	hyper	sig	chr4_146655415
chr1	57423347	57423347	+	1.508E-27	7.25427E-26	0.272574	hyper	sig	chr1_57423347
chr1	2.44E+08	243917752	+	1.508E-27	7.25485E-26	0.215456	hyper	sig	chr1_243917752
chr19	41933182	41933182	+	1.54E-27	7.40527E-26	-0.26381	hypo	sig	chr19_41933182
chr2	86790319	86790319	+	1.54E-27	7.40595E-26	0.26436	hyper	sig	chr2_86790319
chr17	81845556	81845556	+	1.541E-27	7.41095E-26	0.224319	hyper	sig	chr17_81845556
chr5	1.41E+08	141421787	+	1.543E-27	7.41963E-26	0.236791	hyper	sig	chr5_141421787
chr18	45775643	45775643	+	1.543E-27	7.42083E-26	0.291971	hyper	sig	chr18_45775643
chr1	2339780	2339780	+	1.544E-27	7.4236E-26	-0.26708	hypo	sig	chr1_2339780
chr10	99527897	99527897	+	1.547E-27	7.43892E-26	0.284478	hyper	sig	chr10_99527897
chr22	16602530	16602530	+	1.547E-27	7.43901E-26	0.277237	hyper	sig	chr22_16602530
chr11	1.23E+08	122977782	+	1.548E-27	7.44052E-26	0.253771	hyper	sig	chr11_122977782
chr4	8273312	8273312	+	1.548E-27	7.44284E-26	-0.23553	hypo	sig	chr4_8273312
chr5	88659965	88659965	+	1.55E-27	7.44778E-26	0.254993	hyper	sig	chr5_88659965

chr11	20597545	20597545	+	1.552E-27	7.45942E-26	0.274075	hyper	sig	chr11_20597545
chr8	42499312	42499312	+	1.554E-27	7.4685E-26	0.272263	hyper	sig	chr8_42499312
chr5	88684511	88684511	+	1.558E-27	7.488E-26	0.266247	hyper	sig	chr5_88684511
chr7	27124280	27124280	+	1.56E-27	7.4956E-26	0.232851	hyper	sig	chr7_27124280
chr17	81941552	81941552	+	1.562E-27	7.50576E-26	-0.28358	hypo	sig	chr17_81941552
chr4	787326	787326	+	1.562E-27	7.50576E-26	-0.24261	hypo	sig	chr4_787326
chr19	57363833	57363833	+	1.562E-27	7.50621E-26	0.242643	hyper	sig	chr19_57363833
chr1	2445914	2445914	+	1.565E-27	7.51703E-26	-0.24792	hypo	sig	chr1_2445914
chr13	25171874	25171874	+	1.567E-27	7.52809E-26	0.307368	hyper	sig	chr13_25171874
chr4	80268723	80268723	+	1.572E-27	7.55194E-26	0.232453	hyper	sig	chr4_80268723
chr14	56799192	56799192	+	1.574E-27	7.56064E-26	0.300605	hyper	sig	chr14_56799192
chr10	1.33E+08	133158139	+	1.578E-27	7.57851E-26	-0.26781	hypo	sig	chr10_133158139
chr20	5315621	5315621	+	1.581E-27	7.59281E-26	0.264578	hyper	sig	chr20_5315621
chr14	1.04E+08	104357662	+	1.582E-27	7.59819E-26	-0.28198	hypo	sig	chr14_104357662
chr3	1.47E+08	147413289	+	1.595E-27	7.65853E-26	0.291854	hyper	sig	chr3_147413289
chr4	1.76E+08	176001579	+	1.597E-27	7.66651E-26	0.32547	hyper	sig	chr4_176001579
chr2	1.19E+08	119158248	+	1.603E-27	7.69482E-26	0.321657	hyper	sig	chr2_119158248
chr20	38674358	38674358	+	1.605E-27	7.70373E-26	0.28189	hyper	sig	chr20_38674358
chr8	56113135	56113135	+	1.607E-27	7.71621E-26	0.277225	hyper	sig	chr8_56113135
chr9	1.3E+08	129620859	+	1.61E-27	7.72666E-26	0.249952	hyper	sig	chr9_129620859
chr4	1.82E+08	182141591	+	1.615E-27	7.74943E-26	0.228044	hyper	sig	chr4_182141591
chr1	1.44E+08	143662006	+	1.617E-27	7.75955E-26	0.245289	hyper	sig	chr1_143662006
chr11	64971999	64971999	+	1.618E-27	7.76484E-26	0.289749	hyper	sig	chr11_64971999
chr22	37103567	37103567	+	1.618E-27	7.76512E-26	-0.2644	hypo	sig	chr22_37103567
chr15	67826626	67826626	+	1.621E-27	7.77857E-26	0.232269	hyper	sig	chr15_67826626
chr3	1.47E+08	147422331	+	1.625E-27	7.7953E-26	0.275918	hyper	sig	chr3_147422331
chr12	48198633	48198633	+	1.63E-27	7.81874E-26	0.26177	hyper	sig	chr12_48198633
chr7	66505115	66505115	+	1.63E-27	7.82184E-26	-0.31164	hypo	sig	chr7_66505115
chr4	30721653	30721653	+	1.644E-27	7.88832E-26	0.279663	hyper	sig	chr4_30721653
chr5	77638771	77638771	+	1.645E-27	7.89196E-26	0.263976	hyper	sig	chr5_77638771
chr8	54454257	54454257	+	1.647E-27	7.90098E-26	0.305453	hyper	sig	chr8_54454257
chr11	2190943	2190943	+	1.659E-27	7.95747E-26	-0.20866	hypo	sig	chr11_2190943
chr5	1.41E+08	141236780	+	1.665E-27	7.98575E-26	0.273854	hyper	sig	chr5_141236780
chr19	55038466	55038466	+	1.665E-27	7.98664E-26	-0.23414	hypo	sig	chr19_55038466
chr4	1.09E+08	109302676	+	1.667E-27	7.99427E-26	0.257237	hyper	sig	chr4_109302676
chr16	912909	912909	+	1.671E-27	8.01062E-26	0.202107	hyper	sig	chr16_912909
chr6	1.68E+08	167678130	+	1.673E-27	8.02291E-26	0.253104	hyper	sig	chr6_167678130
chr4	41866157	41866157	+	1.675E-27	8.0324E-26	0.289935	hyper	sig	chr4_41866157
chr4	1.22E+08	121764520	+	1.68E-27	8.0547E-26	0.314381	hyper	sig	chr4_121764520
chr12	1.3E+08	130017067	+	1.68E-27	8.05568E-26	-0.21091	hypo	sig	chr12_130017067
chr7	1.02E+08	102119345	+	1.687E-27	8.08762E-26	-0.32236	hypo	sig	chr7_102119345
chr6	3270329	3270329	+	1.688E-27	8.09296E-26	-0.261	hypo	sig	chr6_3270329
chr14	1.06E+08	105707472	+	1.69E-27	8.10093E-26	-0.29505	hypo	sig	chr14_105707472
chr1	47444450	47444450	+	1.705E-27	8.1709E-26	0.208641	hyper	sig	chr1_47444450
chr10	49115047	49115047	+	1.706E-27	8.17464E-26	0.275635	hyper	sig	chr10_49115047
chr11	65856041	65856041	+	1.708E-27	8.18595E-26	-0.26279	hypo	sig	chr11_65856041
chr2	66582123	66582123	+	1.711E-27	8.1958E-26	0.243338	hyper	sig	chr2_66582123
chr11	59898801	59898801	+	1.712E-27	8.20291E-26	-0.31516	hypo	sig	chr11_59898801
chr9	37027244	37027244	+	1.713E-27	8.20875E-26	0.313847	hyper	sig	chr9_37027244
chr11	31799685	31799685	+	1.716E-27	8.21865E-26	0.403875	hyper	sig	chr11_31799685
chr5	1.41E+08	141403495	+	1.718E-27	8.22934E-26	0.261323	hyper	sig	chr5_141403495
chr6	6004678	6004678	+	1.72E-27	8.24002E-26	0.231072	hyper	sig	chr6_6004678
chr11	1.29E+08	128694299	+	1.728E-27	8.27768E-26	0.36762	hyper	sig	chr11_128694299
chr19	58009522	58009522	+	1.739E-27	8.32618E-26	0.284546	hyper	sig	chr19_58009522
chr7	916105	916105	+	1.74E-27	8.33293E-26	-0.26106	hypo	sig	chr7_916105
chr16	1288429	1288429	+	1.741E-27	8.33631E-26	-0.24287	hypo	sig	chr16_1288429

chr5	1.79E+08	179060825	+	1.742E-27	8.34059E-26	0.300596	hyper	sig	chr5_179060825
chr12	54031358	54031358	+	1.742E-27	8.34099E-26	0.285016	hyper	sig	chr12_54031358
chr6	6002962	6002962	+	1.745E-27	8.35192E-26	0.288288	hyper	sig	chr6_6002962
chr5	570577	570577	+	1.75E-27	8.37588E-26	-0.24466	hypo	sig	chr5_570577
chr8	1.17E+08	116938242	+	1.751E-27	8.37988E-26	0.28337	hyper	sig	chr8_116938242
chr1	22643639	22643639	+	1.752E-27	8.38661E-26	-0.28116	hypo	sig	chr1_22643639
chr10	93065790	93065790	+	1.757E-27	8.40904E-26	0.247118	hyper	sig	chr10_93065790
chr1	52842937	52842937	+	1.77E-27	8.47231E-26	0.278049	hyper	sig	chr1_52842937
chr7	1.55E+08	155466198	+	1.771E-27	8.47379E-26	0.219579	hyper	sig	chr7_155466198
chr7	92608893	92608893	+	1.779E-27	8.51152E-26	-0.26459	hypo	sig	chr7_92608893
chr7	1.55E+08	155373572	+	1.79E-27	8.56344E-26	0.216506	hyper	sig	chr7_155373572
chr8	74984876	74984876	+	1.79E-27	8.56595E-26	0.210368	hyper	sig	chr8_74984876
chr15	70196716	70196716	+	1.792E-27	8.57317E-26	-0.25781	hypo	sig	chr15_70196716
chr16	86496359	86496359	+	1.796E-27	8.59087E-26	0.241234	hyper	sig	chr16_86496359
chr2	1.76E+08	176099194	+	1.798E-27	8.59948E-26	0.312565	hyper	sig	chr2_176099194
chr4	1039069	1039069	+	1.801E-27	8.61375E-26	-0.24999	hypo	sig	chr4_1039069
chr6	27553413	27553413	+	1.801E-27	8.61375E-26	0.283073	hyper	sig	chr6_27553413
chr16	51153625	51153625	+	1.803E-27	8.6215E-26	0.310956	hyper	sig	chr16_51153625
chr2	1.19E+08	118849836	+	1.807E-27	8.64346E-26	0.282192	hyper	sig	chr2_118849836
chr6	1E+08	100447359	+	1.818E-27	8.69283E-26	0.23672	hyper	sig	chr6_100447359
chr1	2.08E+08	207669901	+	1.82E-27	8.70481E-26	0.243641	hyper	sig	chr1_207669901
chr2	1.76E+08	176109332	+	1.821E-27	8.70758E-26	0.234463	hyper	sig	chr2_176109332
chr8	71844431	71844431	+	1.822E-27	8.71043E-26	0.299585	hyper	sig	chr8_71844431
chr16	46886130	46886130	+	1.823E-27	8.7145E-26	-0.35012	hypo	sig	chr16_46886130
chr5	64166396	64166396	+	1.824E-27	8.72191E-26	0.259404	hyper	sig	chr5_64166396
chr4	65668527	65668527	+	1.831E-27	8.7526E-26	0.24121	hyper	sig	chr4_65668527
chr10	86265498	86265498	+	1.835E-27	8.77154E-26	-0.24434	hypo	sig	chr10_86265498
chr13	77919637	77919637	+	1.837E-27	8.77913E-26	0.301973	hyper	sig	chr13_77919637
chr3	1.47E+08	147412662	+	1.838E-27	8.78343E-26	0.296299	hyper	sig	chr3_147412662
chr6	98847873	98847873	+	1.842E-27	8.80194E-26	0.220908	hyper	sig	chr6_98847873
chr22	49171068	49171068	+	1.843E-27	8.80518E-26	-0.31418	hypo	sig	chr22_49171068
chr1	1161611	1161611	+	1.844E-27	8.8112E-26	-0.31001	hypo	sig	chr1_1161611
chr16	87278378	87278378	+	1.848E-27	8.8303E-26	-0.30255	hypo	sig	chr16_87278378
chr11	32437223	32437223	+	1.852E-27	8.84907E-26	0.237635	hyper	sig	chr11_32437223
chr6	1.68E+08	168150699	+	1.853E-27	8.85021E-26	-0.25558	hypo	sig	chr6_168150699
chr12	51401499	51401499	+	1.853E-27	8.85335E-26	-0.32837	hypo	sig	chr12_51401499
chr14	1.05E+08	104729143	+	1.86E-27	8.88467E-26	-0.30169	hypo	sig	chr14_104729143
chr20	21702216	21702216	+	1.863E-27	8.9E-26	0.283405	hyper	sig	chr20_21702216
chr20	62476367	62476367	+	1.866E-27	8.90972E-26	0.230086	hyper	sig	chr20_62476367
chr6	41638710	41638710	+	1.868E-27	8.92154E-26	0.215227	hyper	sig	chr6_41638710
chr13	78596829	78596829	+	1.87E-27	8.92789E-26	0.290082	hyper	sig	chr13_78596829
chr1	1.19E+08	118983632	+	1.871E-27	8.9339E-26	0.24398	hyper	sig	chr1_118983632
chr6	50820251	50820251	+	1.872E-27	8.93788E-26	0.26169	hyper	sig	chr6_50820251
chr13	93227194	93227194	+	1.872E-27	8.93868E-26	0.223628	hyper	sig	chr13_93227194
chr3	1.8E+08	180037474	+	1.875E-27	8.9508E-26	0.434513	hyper	sig	chr3_180037474
chr10	1.32E+08	132296387	+	1.878E-27	8.96547E-26	-0.25681	hypo	sig	chr10_132296387
chr17	21378060	21378060	+	1.88E-27	8.97335E-26	0.201684	hyper	sig	chr17_21378060
chr17	78568934	78568934	+	1.883E-27	8.98735E-26	-0.27653	hypo	sig	chr17_78568934
chr8	48735194	48735194	+	1.886E-27	9.00287E-26	0.245091	hyper	sig	chr8_48735194
chr19	9363114	9363114	+	1.888E-27	9.01103E-26	0.311712	hyper	sig	chr19_9363114
chr4	80266451	80266451	+	1.889E-27	9.01324E-26	0.216076	hyper	sig	chr4_80266451
chr14	41606351	41606351	+	1.89E-27	9.01917E-26	0.231119	hyper	sig	chr14_41606351
chr7	1.43E+08	142864214	+	1.891E-27	9.02558E-26	-0.29508	hypo	sig	chr7_142864214
chr3	62374065	62374065	+	1.894E-27	9.03732E-26	0.251753	hyper	sig	chr3_62374065
chr16	86513973	86513973	+	1.895E-27	9.04296E-26	0.347486	hyper	sig	chr16_86513973
chr2	3319296	3319296	+	1.897E-27	9.04949E-26	0.273514	hyper	sig	chr2_3319296

chr8	70070767	70070767	+	1.897E-27	9.05046E-26	0.312634	hyper	sig	chr8_70070767
chr10	7412662	7412662	+	1.897E-27	9.05065E-26	0.271153	hyper	sig	chr10_7412662
chr10	1.33E+08	133046158	+	1.898E-27	9.05216E-26	-0.22198	hypo	sig	chr10_133046158
chr19	35513814	35513814	+	1.898E-27	9.05216E-26	-0.36212	hypo	sig	chr19_35513814
chr2	9212903	9212903	+	1.898E-27	9.05403E-26	-0.26695	hypo	sig	chr2_9212903
chr13	1.13E+08	112651390	+	1.899E-27	9.05837E-26	-0.29754	hypo	sig	chr13_112651390
chr10	1.24E+08	123973271	+	1.903E-27	9.07647E-26	0.247893	hyper	sig	chr10_123973271
chr17	82358981	82358981	+	1.904E-27	9.07943E-26	-0.2602	hypo	sig	chr17_82358981
chr14	1.04E+08	104094243	+	1.905E-27	9.0833E-26	-0.2014	hypo	sig	chr14_104094243
chr5	1.35E+08	135039008	+	1.908E-27	9.09779E-26	0.285205	hyper	sig	chr5_135039008
chr15	24477905	24477905	+	1.91E-27	9.10547E-26	0.265902	hyper	sig	chr15_24477905
chr7	1.57E+08	157387377	+	1.922E-27	9.16343E-26	-0.25231	hypo	sig	chr7_157387377
chr8	49911749	49911749	+	1.926E-27	9.17755E-26	0.265638	hyper	sig	chr8_49911749
chr17	48579319	48579319	+	1.932E-27	9.20571E-26	-0.25843	hypo	sig	chr17_48579319
chr7	1.5E+08	149501962	+	1.936E-27	9.22484E-26	-0.40005	hypo	sig	chr7_149501962
chr5	1.41E+08	141402769	+	1.941E-27	9.24761E-26	0.241833	hyper	sig	chr5_141402769
chr1	2.04E+08	204196179	+	1.942E-27	9.25397E-26	-0.24878	hypo	sig	chr1_204196179
chr14	94771080	94771080	+	1.944E-27	9.26471E-26	0.240865	hyper	sig	chr14_94771080
chr13	78607909	78607909	+	1.947E-27	9.27853E-26	0.239502	hyper	sig	chr13_78607909
chr20	8132944	8132944	+	1.956E-27	9.31827E-26	0.244442	hyper	sig	chr20_8132944
chr19	33622498	33622498	+	1.956E-27	9.31942E-26	0.24934	hyper	sig	chr19_33622498
chr2	5691094	5691094	+	1.957E-27	9.32335E-26	0.245054	hyper	sig	chr2_5691094
chr12	1.2E+08	119593938	+	1.961E-27	9.33931E-26	0.204559	hyper	sig	chr12_119593938
chr4	1.11E+08	110612784	+	1.973E-27	9.39846E-26	0.213816	hyper	sig	chr4_110612784
chr11	1804029	1804029	+	1.975E-27	9.4076E-26	-0.40883	hypo	sig	chr11_1804029
chr1	1.1E+08	109668368	+	1.983E-27	9.4414E-26	0.346077	hyper	sig	chr1_109668368
chr11	1048690	1048690	+	1.998E-27	9.51619E-26	-0.29507	hypo	sig	chr11_1048690
chr11	493125	493125	+	2.002E-27	9.53087E-26	-0.2533	hypo	sig	chr11_493125
chr12	1.15E+08	114681051	+	2.006E-27	9.55124E-26	-0.22906	hypo	sig	chr12_114681051
chr20	63364252	63364252	+	2.011E-27	9.57384E-26	-0.25524	hypo	sig	chr20_63364252
chr7	1.56E+08	155532875	+	2.017E-27	9.60056E-26	0.214023	hyper	sig	chr7_155532875
chr17	73748355	73748355	+	2.028E-27	9.65162E-26	-0.23121	hypo	sig	chr17_73748355
chr12	1.13E+08	113479590	+	2.029E-27	9.65463E-26	0.257165	hyper	sig	chr12_113479590
chr8	24915718	24915718	+	2.034E-27	9.6787E-26	0.246588	hyper	sig	chr8_24915718
chr1	85279398	85279398	+	2.036E-27	9.68854E-26	-0.3248	hypo	sig	chr1_85279398
chr1	16939023	16939023	+	2.045E-27	9.73E-26	0.220151	hyper	sig	chr1_16939023
chr4	7288123	7288123	+	2.051E-27	9.75753E-26	-0.24387	hypo	sig	chr4_7288123
chr19	20661264	20661264	+	2.054E-27	9.76969E-26	0.297289	hyper	sig	chr19_20661264
chr10	49679541	49679541	+	2.056E-27	9.77883E-26	0.245466	hyper	sig	chr10_49679541
chr6	30172156	30172156	+	2.069E-27	9.84127E-26	0.28159	hyper	sig	chr6_30172156
chr16	1545631	1545631	+	2.071E-27	9.85321E-26	-0.34453	hypo	sig	chr16_1545631
chr7	23710154	23710154	+	2.076E-27	9.87657E-26	-0.26565	hypo	sig	chr7_23710154
chr14	1.01E+08	101064587	+	2.077E-27	9.87941E-26	-0.24117	hypo	sig	chr14_101064587
chr11	32427895	32427895	+	2.079E-27	9.8881E-26	0.319825	hyper	sig	chr11_32427895
chr2	38038476	38038476	+	2.08E-27	9.8897E-26	0.316673	hyper	sig	chr2_38038476
chr19	45472931	45472931	+	2.088E-27	9.92933E-26	0.343256	hyper	sig	chr19_45472931
chr13	1.12E+08	112071840	+	2.094E-27	9.95475E-26	0.250394	hyper	sig	chr13_112071840
chr17	1203881	1203881	+	2.095E-27	9.9608E-26	0.342351	hyper	sig	chr17_1203881
chr7	1.58E+08	158450870	+	2.098E-27	9.97317E-26	-0.22502	hypo	sig	chr7_158450870
chr16	974815	974815	+	2.099E-27	9.97958E-26	-0.27173	hypo	sig	chr16_974815
chr7	1.51E+08	151395755	+	2.106E-27	1.00111E-25	-0.34108	hypo	sig	chr7_151395755
chr16	3305580	3305580	+	2.111E-27	1.00357E-25	0.234102	hyper	sig	chr16_3305580
chr1	1333873	1333873	+	2.112E-27	1.00384E-25	-0.30829	hypo	sig	chr1_1333873
chr19	12156626	12156626	+	2.113E-27	1.00419E-25	0.243662	hyper	sig	chr19_12156626
chr10	55628637	55628637	+	2.117E-27	1.00599E-25	0.264973	hyper	sig	chr10_55628637
chr2	1.32E+08	131830010	+	2.117E-27	1.00625E-25	0.271624	hyper	sig	chr2_131830010

chr8	53878591	53878591	+	2.124E-27	1.00955E-25	0.287477	hyper	sig	chr8_53878591
chr1	2E+08	200034237	+	2.129E-27	1.01169E-25	0.262857	hyper	sig	chr1_200034237
chr1	40818311	40818311	+	2.129E-27	1.01179E-25	0.324569	hyper	sig	chr1_40818311
chr13	93228502	93228502	+	2.13E-27	1.01194E-25	0.311472	hyper	sig	chr13_93228502
chr6	55580023	55580023	+	2.13E-27	1.01198E-25	-0.30934	hypo	sig	chr6_55580023
chr2	2.41E+08	240572941	+	2.131E-27	1.01251E-25	0.23872	hyper	sig	chr2_240572941
chr1	1.98E+08	197921370	+	2.132E-27	1.01291E-25	0.228354	hyper	sig	chr1_197921370
chr14	47675049	47675049	+	2.133E-27	1.01313E-25	0.357862	hyper	sig	chr14_47675049
chr22	16602566	16602566	+	2.136E-27	1.01467E-25	0.249709	hyper	sig	chr22_16602566
chr17	65538507	65538507	+	2.136E-27	1.01469E-25	-0.24044	hypo	sig	chr17_65538507
chr3	62374073	62374073	+	2.143E-27	1.01789E-25	0.238417	hyper	sig	chr3_62374073
chr8	66961187	66961187	+	2.147E-27	1.01979E-25	0.227262	hyper	sig	chr8_66961187
chr16	88410231	88410231	+	2.15E-27	1.02124E-25	-0.23581	hypo	sig	chr16_88410231
chr8	56445727	56445727	+	2.154E-27	1.02276E-25	0.234386	hyper	sig	chr8_56445727
chr7	93890311	93890311	+	2.156E-27	1.02352E-25	0.25663	hyper	sig	chr7_93890311
chr11	1.29E+08	128693067	+	2.157E-27	1.02435E-25	0.232529	hyper	sig	chr11_128693067
chr2	20671235	20671235	+	2.159E-27	1.02488E-25	0.286939	hyper	sig	chr2_20671235
chr8	66432455	66432455	+	2.162E-27	1.02647E-25	0.270279	hyper	sig	chr8_66432455
chr4	1.47E+08	146637402	+	2.171E-27	1.03046E-25	0.30907	hyper	sig	chr4_146637402
chr10	1.28E+08	127737704	+	2.175E-27	1.03247E-25	0.243358	hyper	sig	chr10_127737704
chr19	22052805	22052805	+	2.18E-27	1.0349E-25	0.304383	hyper	sig	chr19_22052805
chr10	25934088	25934088	+	2.181E-27	1.03503E-25	0.349428	hyper	sig	chr10_25934088
chr19	51395650	51395650	+	2.184E-27	1.03664E-25	-0.27704	hypo	sig	chr19_51395650
chr2	1.92E+08	192195603	+	2.186E-27	1.03731E-25	0.278396	hyper	sig	chr2_192195603
chr11	1075838	1075838	+	2.187E-27	1.03764E-25	-0.32243	hypo	sig	chr11_1075838
chr8	1.43E+08	142777034	+	2.188E-27	1.03823E-25	0.290159	hyper	sig	chr8_142777034
chr13	37869001	37869001	+	2.194E-27	1.04102E-25	0.254348	hyper	sig	chr13_37869001
chr11	32438031	32438031	+	2.222E-27	1.05423E-25	0.243334	hyper	sig	chr11_32438031
chr22	19149343	19149343	+	2.223E-27	1.05468E-25	0.232273	hyper	sig	chr22_19149343
chr6	31971084	31971084	+	2.224E-27	1.05517E-25	-0.26134	hypo	sig	chr6_31971084
chr16	77788902	77788902	+	2.225E-27	1.05525E-25	0.311566	hyper	sig	chr16_77788902
chr1	90724648	90724648	+	2.229E-27	1.05715E-25	0.246539	hyper	sig	chr1_90724648
chr10	23174446	23174446	+	2.229E-27	1.05738E-25	0.265127	hyper	sig	chr10_23174446
chr11	1.3E+08	129743759	+	2.231E-27	1.05794E-25	-0.3048	hypo	sig	chr11_129743759
chr12	3493404	3493404	+	2.232E-27	1.05862E-25	0.223489	hyper	sig	chr12_3493404
chr1	1287583	1287583	+	2.238E-27	1.06146E-25	-0.292	hypo	sig	chr1_1287583
chr11	1558189	1558189	+	2.239E-27	1.06157E-25	0.218176	hyper	sig	chr11_1558189
chr1	1.19E+08	119006163	+	2.24E-27	1.06191E-25	0.326099	hyper	sig	chr1_119006163
chr16	1093695	1093695	+	2.244E-27	1.06381E-25	-0.23949	hypo	sig	chr16_1093695
chr4	1.47E+08	146655338	+	2.247E-27	1.06506E-25	0.286548	hyper	sig	chr4_146655338
chr1	75130434	75130434	+	2.251E-27	1.06701E-25	0.2429	hyper	sig	chr1_75130434
chr18	77251851	77251851	+	2.255E-27	1.0689E-25	0.287504	hyper	sig	chr18_77251851
chr1	54951089	54951089	+	2.255E-27	1.06892E-25	-0.33592	hypo	sig	chr1_54951089
chr16	77788904	77788904	+	2.256E-27	1.06923E-25	0.317076	hyper	sig	chr16_77788904
chr17	7740507	7740507	+	2.257E-27	1.06949E-25	-0.32675	hypo	sig	chr17_7740507
chr5	1.14E+08	113615542	+	2.265E-27	1.07341E-25	-0.35137	hypo	sig	chr5_113615542
chr11	2140314	2140314	+	2.27E-27	1.07547E-25	0.287228	hyper	sig	chr11_2140314
chr22	46077180	46077180	+	2.277E-27	1.07906E-25	-0.29052	hypo	sig	chr22_46077180
chr5	1665559	1665559	+	2.278E-27	1.07937E-25	-0.29405	hypo	sig	chr5_1665559
chr20	63254897	63254897	+	2.284E-27	1.0822E-25	0.218608	hyper	sig	chr20_63254897
chr6	1E+08	100463868	+	2.284E-27	1.08222E-25	0.229582	hyper	sig	chr6_100463868
chr3	13637780	13637780	+	2.288E-27	1.08377E-25	-0.24542	hypo	sig	chr3_13637780
chr16	72961305	72961305	+	2.289E-27	1.08411E-25	-0.28449	hypo	sig	chr16_72961305
chr11	31799707	31799707	+	2.29E-27	1.0847E-25	0.358527	hyper	sig	chr11_31799707
chr7	2665626	2665626	+	2.292E-27	1.0855E-25	-0.24682	hypo	sig	chr7_2665626
chr2	68319906	68319906	+	2.298E-27	1.08836E-25	0.372492	hyper	sig	chr2_68319906

chr7	1.5E+08	150341521	+	2.302E-27	1.09005E-25	0.28134	hyper	sig	chr7_150341521
chr15	29675361	29675361	+	2.307E-27	1.09226E-25	0.21425	hyper	sig	chr15_29675361
chr17	48734139	48734139	+	2.309E-27	1.09333E-25	0.231509	hyper	sig	chr17_48734139
chr14	85529309	85529309	+	2.314E-27	1.09572E-25	0.312378	hyper	sig	chr14_85529309
chr7	1.58E+08	157521608	+	2.316E-27	1.09645E-25	-0.23248	hypo	sig	chr7_157521608
chr10	1.32E+08	131528735	+	2.325E-27	1.10033E-25	-0.24799	hypo	sig	chr10_131528735
chr8	98947495	98947495	+	2.324E-27	1.10033E-25	0.207308	hyper	sig	chr8_98947495
chr14	99659539	99659539	+	2.34E-27	1.10757E-25	0.309462	hyper	sig	chr14_99659539
chr10	1.24E+08	123892033	+	2.345E-27	1.10988E-25	0.27859	hyper	sig	chr10_123892033
chr4	13528146	13528146	+	2.345E-27	1.10988E-25	0.210696	hyper	sig	chr4_13528146
chr10	1.01E+08	101226186	+	2.347E-27	1.11032E-25	0.315035	hyper	sig	chr10_101226186
chr4	1.72E+08	171813680	+	2.349E-27	1.11125E-25	0.310923	hyper	sig	chr4_171813680
chr8	1.43E+08	142770688	+	2.349E-27	1.11152E-25	-0.32041	hypo	sig	chr8_142770688
chr17	48725456	48725456	+	2.352E-27	1.11277E-25	0.227927	hyper	sig	chr17_48725456
chr10	1.01E+08	101136852	+	2.353E-27	1.11301E-25	0.211392	hyper	sig	chr10_101136852
chr13	1.12E+08	112063494	+	2.354E-27	1.11335E-25	0.319359	hyper	sig	chr13_112063494
chr15	74133803	74133803	+	2.358E-27	1.11516E-25	0.304476	hyper	sig	chr15_74133803
chr4	1005722	1005722	+	2.36E-27	1.11623E-25	-0.28252	hypo	sig	chr4_1005722
chr11	1.04E+08	104036534	+	2.361E-27	1.11666E-25	-0.24255	hypo	sig	chr11_104036534
chr17	49965200	49965200	+	2.367E-27	1.11915E-25	0.247747	hyper	sig	chr17_49965200
chr4	5890106	5890106	+	2.368E-27	1.11983E-25	0.289475	hyper	sig	chr4_5890106
chr1	37033115	37033115	+	2.369E-27	1.12039E-25	0.216637	hyper	sig	chr1_37033115
chr4	1.11E+08	110618284	+	2.382E-27	1.12629E-25	0.221792	hyper	sig	chr4_110618284
chr11	64971861	64971861	+	2.387E-27	1.12869E-25	0.230023	hyper	sig	chr11_64971861
chr10	1.01E+08	101224770	+	2.388E-27	1.12872E-25	0.291105	hyper	sig	chr10_101224770
chr1	75135508	75135508	+	2.388E-27	1.12882E-25	0.230952	hyper	sig	chr1_75135508
chr13	52848263	52848263	+	2.391E-27	1.13032E-25	0.239923	hyper	sig	chr13_52848263
chr3	43997992	43997992	+	2.392E-27	1.13043E-25	0.263747	hyper	sig	chr3_43997992
chr6	29792658	29792658	+	2.397E-27	1.13315E-25	0.210202	hyper	sig	chr6_29792658
chr8	544204	544204	+	2.4E-27	1.13448E-25	0.215704	hyper	sig	chr8_544204
chr4	1.54E+08	153792927	+	2.401E-27	1.1346E-25	0.298524	hyper	sig	chr4_153792927
chr13	53202137	53202137	+	2.415E-27	1.14125E-25	0.298377	hyper	sig	chr13_53202137
chr20	59011305	59011305	+	2.418E-27	1.14249E-25	-0.24815	hypo	sig	chr20_59011305
chr3	1.47E+08	147411344	+	2.421E-27	1.14371E-25	0.223974	hyper	sig	chr3_147411344
chr17	75784182	75784182	+	2.424E-27	1.14509E-25	-0.24274	hypo	sig	chr17_75784182
chr2	96527896	96527896	+	2.424E-27	1.14509E-25	0.332756	hyper	sig	chr2_96527896
chr8	48976465	48976465	+	2.427E-27	1.1466E-25	-0.2681	hypo	sig	chr8_48976465
chr5	2683865	2683865	+	2.436E-27	1.15057E-25	-0.21514	hypo	sig	chr5_2683865
chr6	83709633	83709633	+	2.437E-27	1.15097E-25	0.247699	hyper	sig	chr6_83709633
chr19	28727046	28727046	+	2.439E-27	1.15185E-25	0.331317	hyper	sig	chr19_28727046
chr5	83471815	83471815	+	2.443E-27	1.15373E-25	0.211766	hyper	sig	chr5_83471815
chr3	1.95E+08	195148045	+	2.444E-27	1.154E-25	-0.25284	hypo	sig	chr3_195148045
chr5	42993991	42993991	+	2.463E-27	1.16319E-25	0.269281	hyper	sig	chr5_42993991
chr17	35374331	35374331	+	2.467E-27	1.16474E-25	0.235552	hyper	sig	chr17_35374331
chr10	1.01E+08	101136822	+	2.468E-27	1.16536E-25	0.212069	hyper	sig	chr10_101136822
chr8	1.31E+08	131041534	+	2.472E-27	1.16696E-25	0.283721	hyper	sig	chr8_131041534
chr17	76387190	76387190	+	2.472E-27	1.16709E-25	-0.26126	hypo	sig	chr17_76387190
chr11	1.02E+08	101583908	+	2.474E-27	1.16768E-25	0.383931	hyper	sig	chr11_101583908
chr17	63968155	63968155	+	2.476E-27	1.16884E-25	-0.29266	hypo	sig	chr17_63968155
chr10	50674965	50674965	+	2.479E-27	1.17003E-25	-0.27707	hypo	sig	chr10_50674965
chr15	89377644	89377644	+	2.481E-27	1.17063E-25	0.201832	hyper	sig	chr15_89377644
chr10	1.3E+08	129968137	+	2.481E-27	1.17082E-25	0.222085	hyper	sig	chr10_129968137
chr4	4858157	4858157	+	2.496E-27	1.17764E-25	0.290656	hyper	sig	chr4_4858157
chr2	44945126	44945126	+	2.5E-27	1.17964E-25	0.307101	hyper	sig	chr2_44945126
chr20	24471210	24471210	+	2.509E-27	1.18389E-25	0.234861	hyper	sig	chr20_24471210
chr5	1.8E+08	179860084	+	2.509E-27	1.18389E-25	-0.3142	hypo	sig	chr5_179860084

chr13	21912593	21912593	+	2.511E-27	1.1847E-25	-0.26132	hypo	sig	chr13_21912593
chr1	3356207	3356207	+	2.52E-27	1.18857E-25	-0.2589	hypo	sig	chr1_3356207
chr12	1.31E+08	130712514	+	2.529E-27	1.19316E-25	-0.30934	hypo	sig	chr12_130712514
chr6	1.63E+08	163413380	+	2.53E-27	1.19356E-25	0.220422	hyper	sig	chr6_163413380
chr11	17722087	17722087	+	2.535E-27	1.19585E-25	0.239075	hyper	sig	chr11_17722087
chr10	1.01E+08	101218308	+	2.544E-27	1.19984E-25	0.239658	hyper	sig	chr10_101218308
chr5	1.41E+08	140882078	+	2.544E-27	1.19984E-25	0.256725	hyper	sig	chr5_140882078
chr8	1.08E+08	108083201	+	2.553E-27	1.20365E-25	0.24656	hyper	sig	chr8_108083201
chr13	26049531	26049531	+	2.555E-27	1.20476E-25	0.300215	hyper	sig	chr13_26049531
chr1	16520739	16520739	+	2.566E-27	1.20981E-25	0.229551	hyper	sig	chr1_16520739
chr7	19106600	19106600	+	2.595E-27	1.2234E-25	0.284509	hyper	sig	chr7_19106600
chr5	1.16E+08	115962038	+	2.596E-27	1.22401E-25	0.270405	hyper	sig	chr5_115962038
chr22	39374369	39374369	+	2.598E-27	1.22461E-25	-0.26013	hypo	sig	chr22_39374369
chr4	1.74E+08	173530982	+	2.598E-27	1.22462E-25	0.207038	hyper	sig	chr4_173530982
chr2	97710094	97710094	+	2.605E-27	1.22762E-25	-0.22308	hypo	sig	chr2_97710094
chr16	1266234	1266234	+	2.606E-27	1.22803E-25	-0.30575	hypo	sig	chr16_1266234
chr11	32433364	32433364	+	2.609E-27	1.22953E-25	0.225033	hyper	sig	chr11_32433364
chr17	41467836	41467836	+	2.62E-27	1.23474E-25	-0.31266	hypo	sig	chr17_41467836
chr7	35454752	35454752	+	2.624E-27	1.23624E-25	0.336364	hyper	sig	chr7_35454752
chr17	81912930	81912930	+	2.627E-27	1.23766E-25	-0.25566	hypo	sig	chr17_81912930
chr2	1.6E+08	160479426	+	2.634E-27	1.24095E-25	-0.24993	hypo	sig	chr2_160479426
chr14	1.04E+08	104323034	+	2.637E-27	1.24218E-25	-0.25967	hypo	sig	chr14_104323034
chr4	74364674	74364674	+	2.639E-27	1.243E-25	0.303195	hyper	sig	chr4_74364674
chr17	48725113	48725113	+	2.64E-27	1.24328E-25	0.25937	hyper	sig	chr17_48725113
chr11	62986472	62986472	+	2.648E-27	1.24708E-25	-0.27231	hypo	sig	chr11_62986472
chr18	79785284	79785284	+	2.656E-27	1.25095E-25	-0.31041	hypo	sig	chr18_79785284
chr5	2757930	2757930	+	2.656E-27	1.25095E-25	0.22824	hyper	sig	chr5_2757930
chr18	77250201	77250201	+	2.659E-27	1.25196E-25	0.256455	hyper	sig	chr18_77250201
chr20	63006021	63006021	+	2.66E-27	1.25241E-25	0.249982	hyper	sig	chr20_63006021
chr2	29116225	29116225	+	2.66E-27	1.25257E-25	0.281047	hyper	sig	chr2_29116225
chr12	53939367	53939367	+	2.663E-27	1.2536E-25	0.240576	hyper	sig	chr12_53939367
chr5	1.46E+08	146339020	+	2.683E-27	1.26309E-25	0.268139	hyper	sig	chr5_146339020
chr6	1E+08	100463833	+	2.692E-27	1.26725E-25	0.233717	hyper	sig	chr6_100463833
chr7	27103803	27103803	+	2.694E-27	1.26835E-25	0.2196	hyper	sig	chr7_27103803
chr1	1.44E+08	143905617	+	2.695E-27	1.26858E-25	0.232185	hyper	sig	chr1_143905617
chr1	1.53E+08	153261942	+	2.705E-27	1.27332E-25	0.254779	hyper	sig	chr1_153261942
chr8	64587284	64587284	+	2.71E-27	1.27517E-25	0.287053	hyper	sig	chr8_64587284
chr10	6120817	6120817	+	2.717E-27	1.27844E-25	-0.27259	hypo	sig	chr10_6120817
chr10	3782324	3782324	+	2.719E-27	1.27934E-25	-0.20859	hypo	sig	chr10_3782324
chr3	1.58E+08	158094265	+	2.72E-27	1.27988E-25	0.278237	hyper	sig	chr3_158094265
chr14	28774547	28774547	+	2.722E-27	1.28086E-25	0.246554	hyper	sig	chr14_28774547
chr16	2956343	2956343	+	2.74E-27	1.28886E-25	-0.23418	hypo	sig	chr16_2956343
chr7	1.58E+08	157527822	+	2.746E-27	1.29195E-25	-0.25048	hypo	sig	chr7_157527822
chr13	1.1E+08	109773549	+	2.752E-27	1.29435E-25	-0.35892	hypo	sig	chr13_109773549
chr2	2.2E+08	219556417	+	2.761E-27	1.29876E-25	-0.28149	hypo	sig	chr2_219556417
chr14	88326889	88326889	+	2.767E-27	1.30114E-25	0.228221	hyper	sig	chr14_88326889
chr5	1.81E+08	181059694	+	2.772E-27	1.30353E-25	0.229949	hyper	sig	chr5_181059694
chr7	1312267	1312267	+	2.773E-27	1.30387E-25	-0.22459	hypo	sig	chr7_1312267
chr11	1.02E+08	101584034	+	2.775E-27	1.30468E-25	0.308224	hyper	sig	chr11_101584034
chr11	1.29E+08	128694325	+	2.777E-27	1.30592E-25	0.419744	hyper	sig	chr11_128694325
chr17	34157008	34157008	+	2.78E-27	1.30716E-25	0.232402	hyper	sig	chr17_34157008
chr10	93069282	93069282	+	2.791E-27	1.31213E-25	0.206151	hyper	sig	chr10_93069282
chr9	88991066	88991066	+	2.808E-27	1.3199E-25	0.306887	hyper	sig	chr9_88991066
chr11	1047743	1047743	+	2.814E-27	1.32274E-25	-0.2145	hypo	sig	chr11_1047743
chr10	1.33E+08	133024510	+	2.82E-27	1.32556E-25	-0.22333	hypo	sig	chr10_133024510
chr12	1.23E+08	122716381	+	2.826E-27	1.32832E-25	-0.26515	hypo	sig	chr12_122716381

chr5	55230708	55230708	+	2.833E-27	1.33154E-25	0.288156	hyper	sig	chr5_55230708
chr16	3183905	3183905	+	2.838E-27	1.3337E-25	0.237792	hyper	sig	chr16_3183905
chr6	29792251	29792251	+	2.847E-27	1.33783E-25	0.296438	hyper	sig	chr6_29792251
chr5	1.41E+08	141398812	+	2.86E-27	1.34384E-25	0.230055	hyper	sig	chr5_141398812
chr3	62374058	62374058	+	2.872E-27	1.34921E-25	0.241893	hyper	sig	chr3_62374058
chr15	26866447	26866447	+	2.879E-27	1.35273E-25	0.286704	hyper	sig	chr15_26866447
chr13	1.01E+08	101416659	+	2.883E-27	1.35462E-25	0.29486	hyper	sig	chr13_101416659
chr15	88255479	88255479	+	2.884E-27	1.35502E-25	0.282675	hyper	sig	chr15_88255479
chr8	54455026	54455026	+	2.888E-27	1.35659E-25	0.30114	hyper	sig	chr8_54455026
chr5	1.14E+08	114055942	+	2.904E-27	1.364E-25	0.270358	hyper	sig	chr5_114055942
chr8	1.42E+08	142450781	+	2.905E-27	1.36463E-25	0.292132	hyper	sig	chr8_142450781
chr1	1.19E+08	118999950	+	2.911E-27	1.3671E-25	0.23717	hyper	sig	chr1_118999950
chr2	1.3E+08	129723474	+	2.912E-27	1.36736E-25	-0.26614	hypo	sig	chr2_129723474
chr10	7666353	7666353	+	2.919E-27	1.37052E-25	0.203623	hyper	sig	chr10_7666353
chr6	28514414	28514414	+	2.925E-27	1.3735E-25	-0.26064	hypo	sig	chr6_28514414
chr11	92224282	92224282	+	2.927E-27	1.37414E-25	0.245222	hyper	sig	chr11_92224282
chr16	77789380	77789380	+	2.932E-27	1.37659E-25	0.241428	hyper	sig	chr16_77789380
chr2	1.21E+08	120810300	+	2.933E-27	1.37672E-25	-0.22257	hypo	sig	chr2_120810300
chr13	83879708	83879708	+	2.934E-27	1.37709E-25	0.291227	hyper	sig	chr13_83879708
chr1	1.81E+08	181483047	+	2.935E-27	1.37765E-25	0.255036	hyper	sig	chr1_181483047
chr4	785395	785395	+	2.936E-27	1.37801E-25	0.267219	hyper	sig	chr4_785395
chr7	64045830	64045830	+	2.942E-27	1.38063E-25	0.284592	hyper	sig	chr7_64045830
chr2	29920791	29920791	+	2.946E-27	1.38241E-25	0.280392	hyper	sig	chr2_29920791
chr11	44310800	44310800	+	2.952E-27	1.38522E-25	0.303789	hyper	sig	chr11_44310800
chr17	81536247	81536247	+	2.965E-27	1.39149E-25	-0.24149	hypo	sig	chr17_81536247
chr6	1E+08	100467353	+	2.967E-27	1.39201E-25	0.25947	hyper	sig	chr6_100467353
chr10	49115140	49115140	+	2.968E-27	1.39263E-25	0.214936	hyper	sig	chr10_49115140
chr6	1.7E+08	170083351	+	2.973E-27	1.3947E-25	-0.32075	hypo	sig	chr6_170083351
chr12	1.32E+08	132407675	+	2.977E-27	1.39639E-25	-0.3052	hypo	sig	chr12_132407675
chr11	1.29E+08	128824373	+	2.982E-27	1.39865E-25	0.219115	hyper	sig	chr11_128824373
chr10	23173192	23173192	+	2.986E-27	1.40055E-25	0.369865	hyper	sig	chr10_23173192
chr5	77972567	77972567	+	2.988E-27	1.40143E-25	0.283545	hyper	sig	chr5_77972567
chr1	3141598	3141598	+	2.99E-27	1.40231E-25	-0.26655	hypo	sig	chr1_3141598
chr20	23049542	23049542	+	2.994E-27	1.40393E-25	0.223311	hyper	sig	chr20_23049542
chr1	50421157	50421157	+	2.994E-27	1.40399E-25	0.216884	hyper	sig	chr1_50421157
chr3	1.47E+08	147397133	+	2.999E-27	1.4063E-25	0.331175	hyper	sig	chr3_147397133
chr19	53132934	53132934	+	3.014E-27	1.41317E-25	0.275586	hyper	sig	chr19_53132934
chr8	1.16E+08	115648454	+	3.018E-27	1.41504E-25	0.248077	hyper	sig	chr8_115648454
chr3	5023503	5023503	+	3.037E-27	1.42332E-25	-0.34321	hypo	sig	chr3_5023503
chr1	58249913	58249913	+	3.043E-27	1.42628E-25	0.227155	hyper	sig	chr1_58249913
chr6	32091828	32091828	+	3.048E-27	1.42871E-25	-0.25106	hypo	sig	chr6_32091828
chr8	21727726	21727726	+	3.059E-27	1.43336E-25	-0.25092	hypo	sig	chr8_21727726
chr21	44682147	44682147	+	3.062E-27	1.43478E-25	-0.26276	hypo	sig	chr21_44682147
chr7	1.37E+08	136869159	+	3.063E-27	1.43523E-25	0.329539	hyper	sig	chr7_136869159
chr3	1.3E+08	129623067	+	3.064E-27	1.43578E-25	-0.26345	hypo	sig	chr3_129623067
chr14	1.04E+08	104304201	+	3.069E-27	1.438E-25	-0.26748	hypo	sig	chr14_104304201
chr2	2.4E+08	239728080	+	3.07E-27	1.43805E-25	-0.26087	hypo	sig	chr2_239728080
chr12	1.03E+08	102961565	+	3.077E-27	1.44153E-25	0.256606	hyper	sig	chr12_102961565
chr4	722071	722071	+	3.086E-27	1.44559E-25	-0.2597	hypo	sig	chr4_722071
chr8	66963150	66963150	+	3.086E-27	1.44559E-25	0.286284	hyper	sig	chr8_66963150
chr3	1.54E+08	154429086	+	3.093E-27	1.44872E-25	0.249918	hyper	sig	chr3_154429086
chr8	1.31E+08	131041593	+	3.093E-27	1.44872E-25	0.312327	hyper	sig	chr8_131041593
chr3	5095903	5095903	+	3.103E-27	1.45316E-25	0.275733	hyper	sig	chr3_5095903
chr10	22345206	22345206	+	3.105E-27	1.45381E-25	0.222879	hyper	sig	chr10_22345206
chr10	1.01E+08	101218264	+	3.109E-27	1.45581E-25	0.267658	hyper	sig	chr10_101218264
chr8	64376642	64376642	+	3.112E-27	1.45682E-25	0.311818	hyper	sig	chr8_64376642

chr9	77019880	77019880	+	3.112E-27	1.45682E-25	0.324149	hyper	sig	chr9_77019880
chr7	1.43E+08	142796560	+	3.115E-27	1.4582E-25	0.29772	hyper	sig	chr7_142796560
chr8	1.43E+08	142510240	+	3.115E-27	1.45821E-25	0.222088	hyper	sig	chr8_142510240
chr3	27724563	27724563	+	3.127E-27	1.46388E-25	0.346821	hyper	sig	chr3_27724563
chr4	1.11E+08	110633832	+	3.129E-27	1.4648E-25	0.271889	hyper	sig	chr4_110633832
chr2	9103062	9103062	+	3.141E-27	1.46992E-25	-0.34235	hypo	sig	chr2_9103062
chr3	1.7E+08	169822593	+	3.143E-27	1.47083E-25	-0.38423	hypo	sig	chr3_169822593
chr12	48198540	48198540	+	3.144E-27	1.47125E-25	0.267116	hyper	sig	chr12_48198540
chr5	1.75E+08	175060010	+	3.148E-27	1.47289E-25	0.268947	hyper	sig	chr5_175060010
chr15	83285398	83285398	+	3.149E-27	1.47322E-25	0.283993	hyper	sig	chr15_83285398
chr4	1.25E+08	125316455	+	3.153E-27	1.47498E-25	0.263309	hyper	sig	chr4_125316455
chr9	96022725	96022725	+	3.158E-27	1.47732E-25	0.283919	hyper	sig	chr9_96022725
chr3	1.47E+08	147413506	+	3.16E-27	1.4781E-25	0.281612	hyper	sig	chr3_147413506
chr7	1.51E+08	151432125	+	3.163E-27	1.47936E-25	-0.20887	hypo	sig	chr7_151432125
chr1	50416236	50416236	+	3.173E-27	1.48406E-25	0.225102	hyper	sig	chr1_50416236
chr5	1.46E+08	146340456	+	3.173E-27	1.4842E-25	0.275699	hyper	sig	chr5_146340456
chr15	88604688	88604688	+	3.176E-27	1.48518E-25	0.20518	hyper	sig	chr15_88604688
chr5	1.41E+08	140882150	+	3.177E-27	1.48584E-25	0.202839	hyper	sig	chr5_140882150
chr3	1.82E+08	181725242	+	3.183E-27	1.4886E-25	0.285267	hyper	sig	chr3_181725242
chr1	47439735	47439735	+	3.188E-27	1.49076E-25	0.289862	hyper	sig	chr1_47439735
chr16	51151221	51151221	+	3.193E-27	1.4929E-25	0.319818	hyper	sig	chr16_51151221
chr20	21515980	21515980	+	3.196E-27	1.49422E-25	0.257675	hyper	sig	chr20_21515980
chr17	80064301	80064301	+	3.197E-27	1.4949E-25	-0.23295	hypo	sig	chr17_80064301
chr5	2747985	2747985	+	3.199E-27	1.49572E-25	0.293318	hyper	sig	chr5_2747985
chr11	32428609	32428609	+	3.202E-27	1.49696E-25	0.296507	hyper	sig	chr11_32428609
chr5	1.35E+08	135027619	+	3.205E-27	1.49806E-25	0.362392	hyper	sig	chr5_135027619
chr15	1.01E+08	101009046	+	3.205E-27	1.4983E-25	-0.25041	hypo	sig	chr15_101009046
chr11	1.16E+08	115711153	+	3.209E-27	1.49971E-25	-0.2337	hypo	sig	chr11_115711153
chr16	85484123	85484123	+	3.216E-27	1.50279E-25	-0.27163	hypo	sig	chr16_85484123
chr4	95547841	95547841	+	3.22E-27	1.5049E-25	0.347791	hyper	sig	chr4_95547841
chr18	21243012	21243012	+	3.223E-27	1.5062E-25	0.220105	hyper	sig	chr18_21243012
chr16	66468587	66468587	+	3.242E-27	1.51466E-25	-0.25803	hypo	sig	chr16_66468587
chr7	64495288	64495288	+	3.243E-27	1.51508E-25	0.306927	hyper	sig	chr7_64495288
chr1	1.19E+08	118983450	+	3.27E-27	1.52759E-25	0.326935	hyper	sig	chr1_118983450
chr17	65549581	65549581	+	3.271E-27	1.52826E-25	-0.29565	hypo	sig	chr17_65549581
chr12	1.32E+08	132475623	+	3.277E-27	1.53087E-25	-0.30885	hypo	sig	chr12_132475623
chr6	3270344	3270344	+	3.282E-27	1.53292E-25	-0.26622	hypo	sig	chr6_3270344
chr7	28410278	28410278	+	3.295E-27	1.53886E-25	0.281058	hyper	sig	chr7_28410278
chr21	33027047	33027047	+	3.3E-27	1.5409E-25	0.234476	hyper	sig	chr21_33027047
chr1	2170710	2170710	+	3.3E-27	1.54093E-25	-0.26372	hypo	sig	chr1_2170710
chr16	67165611	67165611	+	3.302E-27	1.54162E-25	0.260841	hyper	sig	chr16_67165611
chr12	85273925	85273925	+	3.309E-27	1.54474E-25	0.280201	hyper	sig	chr12_85273925
chr4	1.55E+08	154744710	+	3.319E-27	1.5494E-25	0.231861	hyper	sig	chr4_154744710
chr15	1.01E+08	100974016	+	3.319E-27	1.54949E-25	0.367309	hyper	sig	chr15_100974016
chr2	2.33E+08	233060459	+	3.32E-27	1.54958E-25	-0.26438	hypo	sig	chr2_233060459
chr16	30444969	30444969	+	3.327E-27	1.55273E-25	-0.27772	hypo	sig	chr16_30444969
chr7	4810459	4810459	+	3.327E-27	1.55284E-25	-0.39774	hypo	sig	chr7_4810459
chr1	75132439	75132439	+	3.329E-27	1.55344E-25	0.294645	hyper	sig	chr1_75132439
chr8	739964	739964	+	3.329E-27	1.55356E-25	0.211099	hyper	sig	chr8_739964
chr13	57629484	57629484	+	3.34E-27	1.55857E-25	0.284469	hyper	sig	chr13_57629484
chr5	42944195	42944195	+	3.347E-27	1.56147E-25	0.349222	hyper	sig	chr5_42944195
chr7	1602194	1602194	+	3.347E-27	1.5615E-25	-0.25797	hypo	sig	chr7_1602194
chr10	1.33E+08	133213324	+	3.378E-27	1.57583E-25	-0.31325	hypo	sig	chr10_133213324
chr3	1.72E+08	172448444	+	3.38E-27	1.57644E-25	0.225704	hyper	sig	chr3_172448444
chr9	1.36E+08	136175401	+	3.4E-27	1.58596E-25	-0.22627	hypo	sig	chr9_136175401
chr8	8891299	8891299	+	3.402E-27	1.58668E-25	0.214635	hyper	sig	chr8_8891299

chr15	73367544	73367544	+	3.413E-27	1.59187E-25	0.227788	hyper	sig	chr15_73367544
chr4	95547811	95547811	+	3.42E-27	1.59473E-25	0.349004	hyper	sig	chr4_95547811
chr2	1.19E+08	118857478	+	3.426E-27	1.59771E-25	0.243324	hyper	sig	chr2_118857478
chr10	23174439	23174439	+	3.429E-27	1.59877E-25	0.241009	hyper	sig	chr10_23174439
chr2	95025240	95025240	+	3.431E-27	1.59963E-25	0.347974	hyper	sig	chr2_95025240
chr10	1.05E+08	104641582	+	3.433E-27	1.60063E-25	0.286578	hyper	sig	chr10_104641582
chr5	1.41E+08	141421146	+	3.433E-27	1.60063E-25	0.260277	hyper	sig	chr5_141421146
chr3	1.38E+08	137764934	+	3.434E-27	1.60077E-25	0.206402	hyper	sig	chr3_137764934
chr18	37567116	37567116	+	3.443E-27	1.60493E-25	0.261855	hyper	sig	chr18_37567116
chr12	1.31E+08	130716122	+	3.447E-27	1.60672E-25	0.247983	hyper	sig	chr12_130716122
chr16	66604366	66604366	+	3.448E-27	1.60689E-25	0.276521	hyper	sig	chr16_66604366
chr10	7411941	7411941	+	3.454E-27	1.6096E-25	0.359961	hyper	sig	chr10_7411941
chr5	1.17E+08	116576614	+	3.458E-27	1.61172E-25	0.268921	hyper	sig	chr5_116576614
chr2	44932918	44932918	+	3.462E-27	1.61309E-25	0.304139	hyper	sig	chr2_44932918
chr2	1.13E+08	113275818	+	3.469E-27	1.61643E-25	0.234954	hyper	sig	chr2_113275818
chr7	23490816	23490816	+	3.47E-27	1.61674E-25	0.230255	hyper	sig	chr7_23490816
chr18	52342038	52342038	+	3.479E-27	1.62102E-25	0.203085	hyper	sig	chr18_52342038
chr4	6121540	6121540	+	3.48E-27	1.62106E-25	-0.25468	hypo	sig	chr4_6121540
chr19	57477129	57477129	+	3.497E-27	1.62874E-25	0.239689	hyper	sig	chr19_57477129
chr20	21514078	21514078	+	3.499E-27	1.62962E-25	0.218659	hyper	sig	chr20_21514078
chr16	85697776	85697776	+	3.5E-27	1.63013E-25	-0.27359	hypo	sig	chr16_85697776
chr10	3763241	3763241	+	3.503E-27	1.63128E-25	-0.24308	hypo	sig	chr10_3763241
chr13	78608083	78608083	+	3.504E-27	1.63183E-25	0.27976	hyper	sig	chr13_78608083
chr5	1.11E+08	111070808	+	3.511E-27	1.63486E-25	0.233608	hyper	sig	chr5_111070808
chr17	4785963	4785963	+	3.517E-27	1.63748E-25	0.317033	hyper	sig	chr17_4785963
chr2	2.39E+08	238569843	+	3.517E-27	1.63752E-25	-0.22308	hypo	sig	chr2_238569843
chr15	77630290	77630290	+	3.518E-27	1.63789E-25	-0.28249	hypo	sig	chr15_77630290
chr13	40173078	40173078	+	3.527E-27	1.64211E-25	-0.27715	hypo	sig	chr13_40173078
chr2	71466035	71466035	+	3.532E-27	1.644E-25	0.245437	hyper	sig	chr2_71466035
chr10	1.33E+08	132938575	+	3.548E-27	1.65153E-25	-0.22357	hypo	sig	chr10_132938575
chr7	1.5E+08	150341444	+	3.56E-27	1.65693E-25	0.270719	hyper	sig	chr7_150341444
chr15	40249818	40249818	+	3.568E-27	1.6605E-25	-0.30097	hypo	sig	chr15_40249818
chr7	1.58E+08	158450997	+	3.569E-27	1.66101E-25	-0.24465	hypo	sig	chr7_158450997
chr15	82681038	82681038	+	3.587E-27	1.66952E-25	0.317438	hyper	sig	chr15_82681038
chr17	78993645	78993645	+	3.593E-27	1.67196E-25	-0.20897	hypo	sig	chr17_78993645
chr7	2922587	2922587	+	3.6E-27	1.67524E-25	-0.22574	hypo	sig	chr7_2922587
chr20	21515959	21515959	+	3.605E-27	1.67744E-25	0.281681	hyper	sig	chr20_21515959
chr7	2567229	2567229	+	3.62E-27	1.68414E-25	0.295194	hyper	sig	chr7_2567229
chr6	1.66E+08	165988928	+	3.632E-27	1.6895E-25	0.267004	hyper	sig	chr6_165988928
chr5	1.41E+08	140795291	+	3.636E-27	1.69134E-25	0.334132	hyper	sig	chr5_140795291
chr22	49987735	49987735	+	3.666E-27	1.70504E-25	-0.36355	hypo	sig	chr22_49987735
chr1	99005089	99005089	+	3.677E-27	1.71011E-25	0.227726	hyper	sig	chr1_99005089
chr19	22052479	22052479	+	3.678E-27	1.7105E-25	0.257518	hyper	sig	chr19_22052479
chr16	2182267	2182267	+	3.682E-27	1.71224E-25	-0.26686	hypo	sig	chr16_2182267
chr4	61201617	61201617	+	3.682E-27	1.71228E-25	0.24382	hyper	sig	chr4_61201617
chr1	27958829	27958829	+	3.69E-27	1.71598E-25	-0.21755	hypo	sig	chr1_27958829
chr3	32819872	32819872	+	3.691E-27	1.71636E-25	0.2518	hyper	sig	chr3_32819872
chr16	49484212	49484212	+	3.693E-27	1.71683E-25	0.294661	hyper	sig	chr16_49484212
chr6	72623157	72623157	+	3.703E-27	1.72134E-25	0.20136	hyper	sig	chr6_72623157
chr10	22345327	22345327	+	3.711E-27	1.72518E-25	0.269445	hyper	sig	chr10_22345327
chr5	42945074	42945074	+	3.714E-27	1.72641E-25	-0.33845	hypo	sig	chr5_42945074
chr1	31754604	31754604	+	3.716E-27	1.72727E-25	-0.24686	hypo	sig	chr1_31754604
chr13	36345735	36345735	+	3.723E-27	1.73032E-25	0.282071	hyper	sig	chr13_36345735
chr16	23836356	23836356	+	3.724E-27	1.7305E-25	0.200321	hyper	sig	chr16_23836356
chr14	77026577	77026577	+	3.725E-27	1.73107E-25	0.241093	hyper	sig	chr14_77026577
chr7	1.5E+08	149715199	+	3.74E-27	1.73809E-25	0.200996	hyper	sig	chr7_149715199

chr10	1.33E+08	132785031	+	3.743E-27	1.73927E-25	0.304131	hyper	sig	chr10_132785031
chr8	1.08E+08	108081804	+	3.748E-27	1.74159E-25	0.315203	hyper	sig	chr8_108081804
chr8	64374493	64374493	+	3.771E-27	1.75184E-25	0.288426	hyper	sig	chr8_64374493
chr1	27351441	27351441	+	3.772E-27	1.7525E-25	0.275842	hyper	sig	chr1_27351441
chr16	2184030	2184030	+	3.774E-27	1.75327E-25	-0.25488	hypo	sig	chr16_2184030
chr12	1.29E+08	128976488	+	3.781E-27	1.75657E-25	0.201887	hyper	sig	chr12_128976488
chr20	21511105	21511105	+	3.802E-27	1.76586E-25	0.306599	hyper	sig	chr20_21511105
chr19	4523766	4523766	+	3.815E-27	1.77188E-25	-0.32389	hypo	sig	chr19_4523766
chr13	36432196	36432196	+	3.816E-27	1.7723E-25	0.252585	hyper	sig	chr13_36432196
chr7	27124341	27124341	+	3.823E-27	1.77525E-25	0.237584	hyper	sig	chr7_27124341
chr1	13584226	13584226	+	3.83E-27	1.7784E-25	0.346292	hyper	sig	chr1_13584226
chr17	21574824	21574824	+	3.834E-27	1.78052E-25	0.246659	hyper	sig	chr17_21574824
chr4	41747323	41747323	+	3.837E-27	1.7815E-25	0.375783	hyper	sig	chr4_41747323
chr7	1705537	1705537	+	3.841E-27	1.78322E-25	-0.28619	hypo	sig	chr7_1705537
chr5	93573084	93573084	+	3.849E-27	1.78679E-25	0.332189	hyper	sig	chr5_93573084
chr17	76077448	76077448	+	3.863E-27	1.79326E-25	0.308383	hyper	sig	chr17_76077448
chr16	10182817	10182817	+	3.864E-27	1.79393E-25	0.290171	hyper	sig	chr16_10182817
chr2	50347378	50347378	+	3.866E-27	1.79431E-25	0.288296	hyper	sig	chr2_50347378
chr3	1.47E+08	147423164	+	3.869E-27	1.79592E-25	0.229862	hyper	sig	chr3_147423164
chr8	1.44E+08	144074358	+	3.873E-27	1.79735E-25	-0.30411	hypo	sig	chr8_144074358
chr5	73298606	73298606	+	3.878E-27	1.79956E-25	0.331019	hyper	sig	chr5_73298606
chr4	1.09E+08	109302557	+	3.879E-27	1.79983E-25	0.22919	hyper	sig	chr4_109302557
chr16	86516317	86516317	+	3.88E-27	1.80037E-25	0.204486	hyper	sig	chr16_86516317
chr7	1.57E+08	157044323	+	3.884E-27	1.80193E-25	-0.21324	hypo	sig	chr7_157044323
chr12	1.04E+08	104303645	+	3.889E-27	1.80429E-25	0.245001	hyper	sig	chr12_104303645
chr1	2428631	2428631	+	3.892E-27	1.80559E-25	-0.23179	hypo	sig	chr1_2428631
chr7	1.59E+08	159112649	+	3.892E-27	1.80559E-25	0.224612	hyper	sig	chr7_159112649
chr10	26218485	26218485	+	3.924E-27	1.82018E-25	0.296257	hyper	sig	chr10_26218485
chr16	21556720	21556720	+	3.936E-27	1.82549E-25	-0.25715	hypo	sig	chr16_21556720
chr13	28099653	28099653	+	3.94E-27	1.82749E-25	0.35714	hyper	sig	chr13_28099653
chr6	72621952	72621952	+	3.953E-27	1.83345E-25	0.222391	hyper	sig	chr6_72621952
chr8	1.42E+08	142464480	+	3.959E-27	1.83589E-25	0.254788	hyper	sig	chr8_142464480
chr7	4822718	4822718	+	3.97E-27	1.84098E-25	-0.32009	hypo	sig	chr7_4822718
chr3	1.47E+08	147397131	+	3.986E-27	1.84801E-25	0.327407	hyper	sig	chr3_147397131
chr11	69867996	69867996	+	4.02E-27	1.86374E-25	-0.23156	hypo	sig	chr11_69867996
chr6	28635453	28635453	+	4.029E-27	1.86797E-25	0.266269	hyper	sig	chr6_28635453
chr10	23694982	23694982	+	4.041E-27	1.87335E-25	0.289997	hyper	sig	chr10_23694982
chr10	1.01E+08	101236500	+	4.042E-27	1.87385E-25	0.207636	hyper	sig	chr10_101236500
chr15	1.01E+08	100973600	+	4.048E-27	1.8762E-25	0.275423	hyper	sig	chr15_100973600
chr12	4810007	4810007	+	4.071E-27	1.88671E-25	0.297758	hyper	sig	chr12_4810007
chr7	45921874	45921874	+	4.077E-27	1.88928E-25	0.226078	hyper	sig	chr7_45921874
chr16	89006576	89006576	+	4.079E-27	1.89004E-25	-0.25701	hypo	sig	chr16_89006576
chr4	5708151	5708151	+	4.079E-27	1.89004E-25	0.313058	hyper	sig	chr4_5708151
chr1	94540945	94540945	+	4.095E-27	1.89725E-25	-0.23327	hypo	sig	chr1_94540945
chr8	64586255	64586255	+	4.097E-27	1.89817E-25	0.271872	hyper	sig	chr8_64586255
chr14	94773083	94773083	+	4.101E-27	1.90003E-25	0.232639	hyper	sig	chr14_94773083
chr17	35449710	35449710	+	4.115E-27	1.90623E-25	0.290154	hyper	sig	chr17_35449710
chr6	31121435	31121435	+	4.119E-27	1.9081E-25	-0.26637	hypo	sig	chr6_31121435
chr17	80478227	80478227	+	4.123E-27	1.9095E-25	0.214699	hyper	sig	chr17_80478227
chr5	3197633	3197633	+	4.126E-27	1.9108E-25	0.306647	hyper	sig	chr5_3197633
chr13	1.13E+08	113405907	+	4.135E-27	1.91499E-25	-0.30445	hypo	sig	chr13_113405907
chr9	1.36E+08	136204234	+	4.135E-27	1.91499E-25	-0.27922	hypo	sig	chr9_136204234
chr14	76138845	76138845	+	4.138E-27	1.91603E-25	0.338034	hyper	sig	chr14_76138845
chr6	1.08E+08	108171556	+	4.148E-27	1.92078E-25	0.250524	hyper	sig	chr6_108171556
chr13	78586997	78586997	+	4.149E-27	1.92104E-25	0.292959	hyper	sig	chr13_78586997
chr2	1.19E+08	118845251	+	4.165E-27	1.9284E-25	0.202231	hyper	sig	chr2_118845251

chr7	1.04E+08	103990424	+	4.166E-27	1.92859E-25	0.261064	hyper	sig	chr7_103990424
chr1	1.21E+08	121118175	+	4.184E-27	1.93681E-25	0.261312	hyper	sig	chr1_121118175
chr3	1.8E+08	180037350	+	4.188E-27	1.93832E-25	0.340768	hyper	sig	chr3_180037350
chr19	53255036	53255036	+	4.195E-27	1.94162E-25	0.295836	hyper	sig	chr19_53255036
chr14	1.06E+08	105769647	+	4.208E-27	1.9474E-25	-0.31281	hypo	sig	chr14_105769647
chr8	71558795	71558795	+	4.21E-27	1.94832E-25	0.264434	hyper	sig	chr8_71558795
chr12	1.13E+08	113476053	+	4.239E-27	1.96166E-25	0.27808	hyper	sig	chr12_113476053
chr5	2703206	2703206	+	4.246E-27	1.96478E-25	-0.22037	hypo	sig	chr5_2703206
chr16	85816013	85816013	+	4.251E-27	1.96717E-25	-0.27462	hypo	sig	chr16_85816013
chr7	49776128	49776128	+	4.259E-27	1.97056E-25	0.23882	hyper	sig	chr7_49776128
chr19	56393708	56393708	+	4.26E-27	1.97083E-25	0.308955	hyper	sig	chr19_56393708
chr13	1.12E+08	112104017	+	4.273E-27	1.97668E-25	0.239409	hyper	sig	chr13_112104017
chr16	30821193	30821193	+	4.307E-27	1.99233E-25	-0.30286	hypo	sig	chr16_30821193
chr15	64894242	64894242	+	4.307E-27	1.9924E-25	0.259771	hyper	sig	chr15_64894242
chr14	28765709	28765709	+	4.325E-27	2.00028E-25	0.245299	hyper	sig	chr14_28765709
chr10	1.23E+08	123134598	+	4.34E-27	2.0072E-25	0.20423	hyper	sig	chr10_123134598
chr2	5693082	5693082	+	4.341E-27	2.00776E-25	0.34758	hyper	sig	chr2_5693082
chr11	1.2E+08	119741141	+	4.344E-27	2.00875E-25	-0.28163	hypo	sig	chr11_119741141
chr13	1.02E+08	102400539	+	4.359E-27	2.0155E-25	0.273976	hyper	sig	chr13_102400539
chr19	49133052	49133052	+	4.36E-27	2.01591E-25	0.281439	hyper	sig	chr19_49133052
chr12	1.13E+08	113463834	+	4.384E-27	2.0268E-25	0.322401	hyper	sig	chr12_113463834
chr12	1.32E+08	132329055	+	4.406E-27	2.03658E-25	0.261948	hyper	sig	chr12_132329055
chr17	2057992	2057992	+	4.406E-27	2.03658E-25	0.264353	hyper	sig	chr17_2057992
chr2	9212886	9212886	+	4.424E-27	2.0446E-25	-0.2788	hypo	sig	chr2_9212886
chr11	1.18E+08	117878709	+	4.442E-27	2.05276E-25	-0.33503	hypo	sig	chr11_117878709
chr19	51949144	51949144	+	4.458E-27	2.06003E-25	0.270925	hyper	sig	chr19_51949144
chr1	38045921	38045921	+	4.47E-27	2.06579E-25	0.227786	hyper	sig	chr1_38045921
chr13	1.12E+08	112251387	+	4.475E-27	2.06792E-25	-0.25888	hypo	sig	chr13_112251387
chr19	53255105	53255105	+	4.48E-27	2.07016E-25	0.280335	hyper	sig	chr19_53255105
chr19	815107	815107	+	4.483E-27	2.07113E-25	-0.33765	hypo	sig	chr19_815107
chr1	2.21E+08	220884380	+	4.496E-27	2.07711E-25	0.223231	hyper	sig	chr1_220884380
chr21	33024787	33024787	+	4.499E-27	2.07845E-25	0.264513	hyper	sig	chr21_33024787
chr16	87667307	87667307	+	4.503E-27	2.08016E-25	-0.24535	hypo	sig	chr16_87667307
chr2	74516413	74516413	+	4.508E-27	2.08231E-25	0.308552	hyper	sig	chr2_74516413
chr13	95552866	95552866	+	4.51E-27	2.08292E-25	0.380594	hyper	sig	chr13_95552866
chr12	85278468	85278468	+	4.521E-27	2.08792E-25	0.251358	hyper	sig	chr12_85278468
chr3	27730199	27730199	+	4.522E-27	2.08833E-25	0.230619	hyper	sig	chr3_27730199
chr8	56446164	56446164	+	4.522E-27	2.08849E-25	0.321335	hyper	sig	chr8_56446164
chr11	31823980	31823980	+	4.524E-27	2.08925E-25	0.310658	hyper	sig	chr11_31823980
chr1	90719626	90719626	+	4.533E-27	2.09314E-25	0.270899	hyper	sig	chr1_90719626
chr19	45472937	45472937	+	4.542E-27	2.09731E-25	0.355572	hyper	sig	chr19_45472937
chr5	1.41E+08	141224834	+	4.557E-27	2.10384E-25	0.285294	hyper	sig	chr5_141224834
chr18	77250153	77250153	+	4.561E-27	2.10546E-25	0.214319	hyper	sig	chr18_77250153
chr19	3133525	3133525	+	4.566E-27	2.10757E-25	-0.27703	hypo	sig	chr19_3133525
chr17	20852177	20852177	+	4.566E-27	2.10776E-25	0.295732	hyper	sig	chr17_20852177
chr17	6507780	6507780	+	4.572E-27	2.11017E-25	-0.33298	hypo	sig	chr17_6507780
chr11	69867795	69867795	+	4.576E-27	2.11187E-25	-0.23817	hypo	sig	chr11_69867795
chr4	1.22E+08	121766439	+	4.578E-27	2.11258E-25	-0.2283	hypo	sig	chr4_121766439
chr8	1.43E+08	142777004	+	4.582E-27	2.11429E-25	0.310084	hyper	sig	chr8_142777004
chr5	59893824	59893824	+	4.583E-27	2.11478E-25	0.236629	hyper	sig	chr5_59893824
chr6	1.66E+08	165848374	+	4.585E-27	2.11579E-25	-0.34133	hypo	sig	chr6_165848374
chr7	1.51E+08	151254396	+	4.588E-27	2.11697E-25	-0.28332	hypo	sig	chr7_151254396
chr11	49561277	49561277	+	4.602E-27	2.12311E-25	0.293389	hyper	sig	chr11_49561277
chr13	78586932	78586932	+	4.608E-27	2.12571E-25	0.256729	hyper	sig	chr13_78586932
chr8	22691033	22691033	+	4.64E-27	2.14062E-25	0.290186	hyper	sig	chr8_22691033
chr10	93060353	93060353	+	4.647E-27	2.14343E-25	0.328698	hyper	sig	chr10_93060353

chr17	39917817	39917817	+	4.658E-27	2.1483E-25	-0.23736	hypo	sig	chr17_39917817
chr16	51113625	51113625	+	4.66E-27	2.14915E-25	0.231624	hyper	sig	chr16_51113625
chr8	1.24E+08	123539997	+	4.67E-27	2.15364E-25	-0.40435	hypo	sig	chr8_123539997
chr4	1.22E+08	121767831	+	4.671E-27	2.15394E-25	-0.31464	hypo	sig	chr4_121767831
chr11	40293854	40293854	+	4.685E-27	2.16056E-25	0.255423	hyper	sig	chr11_40293854
chr15	28832209	28832209	+	4.689E-27	2.16227E-25	0.242862	hyper	sig	chr15_28832209
chr13	20946354	20946354	+	4.699E-27	2.16645E-25	0.309988	hyper	sig	chr13_20946354
chr17	78041200	78041200	+	4.707E-27	2.17009E-25	-0.23447	hypo	sig	chr17_78041200
chr1	2.48E+08	247937024	+	4.71E-27	2.17134E-25	0.239307	hyper	sig	chr1_247937024
chr6	1.68E+08	167678197	+	4.715E-27	2.17381E-25	0.285698	hyper	sig	chr6_167678197
chr12	1.15E+08	114735949	+	4.718E-27	2.17469E-25	0.318546	hyper	sig	chr12_114735949
chr13	57630899	57630899	+	4.743E-27	2.18621E-25	0.201334	hyper	sig	chr13_57630899
chr20	23048382	23048382	+	4.745E-27	2.18711E-25	0.252516	hyper	sig	chr20_23048382
chr1	1.19E+08	118979316	+	4.748E-27	2.18834E-25	0.275186	hyper	sig	chr1_118979316
chr16	3092644	3092644	+	4.753E-27	2.19046E-25	-0.31108	hypo	sig	chr16_3092644
chr3	42265088	42265088	+	4.768E-27	2.19694E-25	0.343386	hyper	sig	chr3_42265088
chr17	1080354	1080354	+	4.773E-27	2.19945E-25	-0.37891	hypo	sig	chr17_1080354
chr14	47675799	47675799	+	4.795E-27	2.20941E-25	0.258039	hyper	sig	chr14_47675799
chr14	85529311	85529311	+	4.799E-27	2.21112E-25	0.308504	hyper	sig	chr14_85529311
chr19	57935102	57935102	+	4.809E-27	2.21521E-25	0.32866	hyper	sig	chr19_57935102
chr7	1.37E+08	136871073	+	4.83E-27	2.22501E-25	0.302191	hyper	sig	chr7_136871073
chr2	20670522	20670522	+	4.836E-27	2.22773E-25	0.223781	hyper	sig	chr2_20670522
chr20	51003933	51003933	+	4.843E-27	2.23085E-25	-0.27455	hypo	sig	chr20_51003933
chr3	1.38E+08	137761856	+	4.855E-27	2.23578E-25	0.29387	hyper	sig	chr3_137761856
chr3	1.8E+08	180037352	+	4.863E-27	2.23902E-25	0.348243	hyper	sig	chr3_180037352
chr7	19106921	19106921	+	4.865E-27	2.23992E-25	0.276671	hyper	sig	chr7_19106921
chr11	1.07E+08	107019458	+	4.884E-27	2.24852E-25	0.205204	hyper	sig	chr11_107019458
chr2	2.32E+08	231528402	+	4.907E-27	2.25874E-25	-0.27742	hypo	sig	chr2_231528402
chr7	54549938	54549938	+	4.909E-27	2.25956E-25	-0.22949	hypo	sig	chr7_54549938
chr7	1.59E+08	159143882	+	4.924E-27	2.26664E-25	0.263929	hyper	sig	chr7_159143882
chr13	57630859	57630859	+	4.943E-27	2.27514E-25	0.262169	hyper	sig	chr13_57630859
chr6	99606196	99606196	+	4.956E-27	2.28082E-25	0.267947	hyper	sig	chr6_99606196
chr10	1.31E+08	131253493	+	4.957E-27	2.28104E-25	-0.26477	hypo	sig	chr10_131253493
chr5	1.46E+08	146339018	+	4.962E-27	2.28345E-25	0.271188	hyper	sig	chr5_146339018
chr20	21103779	21103779	+	4.973E-27	2.28818E-25	0.269041	hyper	sig	chr20_21103779
chr8	64576491	64576491	+	4.978E-27	2.29055E-25	0.238368	hyper	sig	chr8_64576491
chr1	3141329	3141329	+	4.99E-27	2.29566E-25	-0.25421	hypo	sig	chr1_3141329
chr14	24311528	24311528	+	5.002E-27	2.30141E-25	0.233901	hyper	sig	chr14_24311528
chr10	70598679	70598679	+	5.005E-27	2.30215E-25	-0.26423	hypo	sig	chr10_70598679
chr2	29115057	29115057	+	5.019E-27	2.30857E-25	0.285751	hyper	sig	chr2_29115057
chr15	74133932	74133932	+	5.023E-27	2.3103E-25	0.266504	hyper	sig	chr15_74133932
chr3	10993393	10993393	+	5.027E-27	2.31217E-25	0.23493	hyper	sig	chr3_10993393
chr19	21852187	21852187	+	5.029E-27	2.31272E-25	0.245663	hyper	sig	chr19_21852187
chr7	1.57E+08	157020293	+	5.051E-27	2.32283E-25	0.267853	hyper	sig	chr7_157020293
chr10	1.32E+08	132487378	+	5.081E-27	2.33644E-25	-0.22081	hypo	sig	chr10_132487378
chr5	1.41E+08	141430952	+	5.089E-27	2.33996E-25	0.217054	hyper	sig	chr5_141430952
chr19	1473194	1473194	+	5.089E-27	2.33998E-25	-0.26581	hypo	sig	chr19_1473194
chr20	24471212	24471212	+	5.096E-27	2.34266E-25	0.222216	hyper	sig	chr20_24471212
chr3	1.38E+08	137770830	+	5.107E-27	2.34758E-25	0.249038	hyper	sig	chr3_137770830
chr16	89202350	89202350	+	5.136E-27	2.36044E-25	0.213186	hyper	sig	chr16_89202350
chr14	28775026	28775026	+	5.142E-27	2.36286E-25	0.313452	hyper	sig	chr14_28775026
chr7	30912186	30912186	+	5.167E-27	2.37454E-25	0.285184	hyper	sig	chr7_30912186
chr15	83284044	83284044	+	5.193E-27	2.38638E-25	0.326547	hyper	sig	chr15_83284044
chr1	6276433	6276433	+	5.198E-27	2.3882E-25	0.259497	hyper	sig	chr1_6276433
chr17	80823215	80823215	+	5.204E-27	2.39099E-25	-0.27311	hypo	sig	chr17_80823215
chr12	1.32E+08	132187016	+	5.209E-27	2.39291E-25	-0.26457	hypo	sig	chr12_132187016

chr14	99321192	99321192	+	5.209E-27	2.39291E-25	-0.25851	hypo	sig	chr14_99321192
chr11	1.19E+08	118887892	+	5.229E-27	2.40207E-25	-0.21743	hypo	sig	chr11_118887892
chr20	5010382	5010382	+	5.229E-27	2.4021E-25	-0.26492	hypo	sig	chr20_5010382
chr2	2.32E+08	231531530	+	5.23E-27	2.40247E-25	-0.20808	hypo	sig	chr2_231531530
chr2	1.28E+08	127681597	+	5.234E-27	2.40375E-25	-0.33758	hypo	sig	chr2_127681597
chr1	6146227	6146227	+	5.235E-27	2.40417E-25	-0.35536	hypo	sig	chr1_6146227
chr17	81126019	81126019	+	5.238E-27	2.40569E-25	-0.23278	hypo	sig	chr17_81126019
chr11	1.34E+08	134069759	+	5.246E-27	2.40899E-25	0.325542	hyper	sig	chr11_134069759
chr18	25349282	25349282	+	5.272E-27	2.42086E-25	0.240307	hyper	sig	chr18_25349282
chr14	41609742	41609742	+	5.273E-27	2.42108E-25	0.3107	hyper	sig	chr14_41609742
chr14	1.05E+08	104819735	+	5.288E-27	2.4277E-25	-0.26584	hypo	sig	chr14_104819735
chr20	56926040	56926040	+	5.302E-27	2.434E-25	0.247158	hyper	sig	chr20_56926040
chr8	64373687	64373687	+	5.304E-27	2.4347E-25	0.333321	hyper	sig	chr8_64373687
chr6	1.28E+08	127519559	+	5.312E-27	2.43845E-25	0.230745	hyper	sig	chr6_127519559
chr5	51387638	51387638	+	5.323E-27	2.44335E-25	0.224244	hyper	sig	chr5_51387638
chr9	1.35E+08	135088995	+	5.35E-27	2.45557E-25	0.221438	hyper	sig	chr9_135088995
chr8	23710151	23710151	+	5.361E-27	2.46045E-25	0.238756	hyper	sig	chr8_23710151
chr6	77650224	77650224	+	5.365E-27	2.46191E-25	0.313056	hyper	sig	chr6_77650224
chr19	52492856	52492856	+	5.372E-27	2.46508E-25	0.301969	hyper	sig	chr19_52492856
chr10	27745165	27745165	+	5.375E-27	2.46604E-25	0.285653	hyper	sig	chr10_27745165
chr11	2188848	2188848	+	5.375E-27	2.46604E-25	-0.22521	hypo	sig	chr11_2188848
chr10	1.01E+08	101062003	+	5.385E-27	2.47052E-25	-0.35233	hypo	sig	chr10_101062003
chr2	910971	910971	+	5.385E-27	2.47052E-25	-0.25437	hypo	sig	chr2_910971
chr7	2607321	2607321	+	5.396E-27	2.47548E-25	-0.22886	hypo	sig	chr7_2607321
chr5	71719135	71719135	+	5.416E-27	2.48429E-25	0.373554	hyper	sig	chr5_71719135
chr2	38960386	38960386	+	5.426E-27	2.48843E-25	0.264513	hyper	sig	chr2_38960386
chr12	1.31E+08	131292978	+	5.435E-27	2.49274E-25	-0.28201	hypo	sig	chr12_131292978
chr11	32427945	32427945	+	5.461E-27	2.50418E-25	0.317581	hyper	sig	chr11_32427945
chr13	78586888	78586888	+	5.471E-27	2.50865E-25	0.225491	hyper	sig	chr13_78586888
chr10	93060250	93060250	+	5.474E-27	2.51009E-25	0.263397	hyper	sig	chr10_93060250
chr16	81215111	81215111	+	5.474E-27	2.51009E-25	-0.3497	hypo	sig	chr16_81215111
chr8	23705623	23705623	+	5.479E-27	2.51201E-25	0.29912	hyper	sig	chr8_23705623
chr5	1.35E+08	135027616	+	5.5E-27	2.5214E-25	0.346169	hyper	sig	chr5_135027616
chr7	1.55E+08	155466158	+	5.501E-27	2.52211E-25	0.214003	hyper	sig	chr7_155466158
chr17	48579280	48579280	+	5.509E-27	2.52524E-25	-0.24908	hypo	sig	chr17_48579280
chr8	48735064	48735064	+	5.516E-27	2.52858E-25	0.210795	hyper	sig	chr8_48735064
chr18	47248679	47248679	+	5.52E-27	2.53023E-25	0.267865	hyper	sig	chr18_47248679
chr5	1362585	1362585	+	5.524E-27	2.53204E-25	-0.21066	hypo	sig	chr5_1362585
chr1	50416286	50416286	+	5.535E-27	2.53682E-25	0.30086	hyper	sig	chr1_50416286
chr3	1.7E+08	169822638	+	5.541E-27	2.53904E-25	-0.40766	hypo	sig	chr3_169822638
chr4	13524960	13524960	+	5.543E-27	2.54006E-25	0.240483	hyper	sig	chr4_13524960
chr2	1.19E+08	118842892	+	5.552E-27	2.54406E-25	0.226982	hyper	sig	chr2_118842892
chr7	986553	986553	+	5.566E-27	2.55036E-25	-0.23395	hypo	sig	chr7_986553
chr7	93890309	93890309	+	5.567E-27	2.5506E-25	0.275627	hyper	sig	chr7_93890309
chr2	1.76E+08	176083207	+	5.569E-27	2.55138E-25	0.285189	hyper	sig	chr2_176083207
chr1	1.57E+08	156860476	+	5.576E-27	2.55444E-25	0.266055	hyper	sig	chr1_156860476
chr7	27103647	27103647	+	5.581E-27	2.55651E-25	0.252034	hyper	sig	chr7_27103647
chr8	48735428	48735428	+	5.581E-27	2.55651E-25	0.232792	hyper	sig	chr8_48735428
chr17	61495652	61495652	+	5.583E-27	2.55707E-25	-0.24581	hypo	sig	chr17_61495652
chr19	4891219	4891219	+	5.591E-27	2.56063E-25	-0.22336	hypo	sig	chr19_4891219
chr19	40568144	40568144	+	5.595E-27	2.56247E-25	0.229642	hyper	sig	chr19_40568144
chr5	980659	980659	+	5.607E-27	2.56793E-25	-0.24723	hypo	sig	chr5_980659
chr6	1.08E+08	108165232	+	5.62E-27	2.57365E-25	0.355531	hyper	sig	chr6_108165232
chr4	1.25E+08	125317772	+	5.635E-27	2.58004E-25	0.237814	hyper	sig	chr4_125317772
chr7	2922637	2922637	+	5.672E-27	2.59713E-25	-0.22315	hypo	sig	chr7_2922637
chr1	7660905	7660905	+	5.678E-27	2.5998E-25	-0.23939	hypo	sig	chr1_7660905

chr16	66845951	66845951	+	5.693E-27	2.60616E-25	-0.30971	hypo	sig	chr16_66845951
chr13	23547211	23547211	+	5.721E-27	2.61873E-25	0.332098	hyper	sig	chr13_23547211
chr21	45407643	45407643	+	5.727E-27	2.62145E-25	-0.26765	hypo	sig	chr21_45407643
chr6	75205000	75205000	+	5.736E-27	2.62522E-25	0.225604	hyper	sig	chr6_75205000
chr7	1761859	1761859	+	5.742E-27	2.62807E-25	-0.32673	hypo	sig	chr7_1761859
chr19	23075346	23075346	+	5.768E-27	2.63954E-25	0.206152	hyper	sig	chr19_23075346
chr15	28832135	28832135	+	5.77E-27	2.6403E-25	0.278605	hyper	sig	chr15_28832135
chr13	36432611	36432611	+	5.783E-27	2.64606E-25	0.323624	hyper	sig	chr13_36432611
chr7	2110347	2110347	+	5.793E-27	2.65045E-25	-0.25809	hypo	sig	chr7_2110347
chr2	2.32E+08	231921633	+	5.801E-27	2.65363E-25	-0.33389	hypo	sig	chr2_231921633
chr6	6002995	6002995	+	5.801E-27	2.65363E-25	0.25651	hyper	sig	chr6_6002995
chr13	20137530	20137530	+	5.802E-27	2.65375E-25	-0.32852	hypo	sig	chr13_20137530
chr3	1.47E+08	147411291	+	5.803E-27	2.6542E-25	0.292915	hyper	sig	chr3_147411291
chr5	1.75E+08	174732702	+	5.808E-27	2.65639E-25	0.290649	hyper	sig	chr5_174732702
chr20	45297966	45297966	+	5.819E-27	2.66087E-25	-0.26734	hypo	sig	chr20_45297966
chr14	28774298	28774298	+	5.835E-27	2.6681E-25	0.259374	hyper	sig	chr14_28774298
chr3	1.47E+08	147412636	+	5.839E-27	2.66981E-25	0.313123	hyper	sig	chr3_147412636
chr3	1.47E+08	147409936	+	5.848E-27	2.67382E-25	0.282965	hyper	sig	chr3_147409936
chr16	11635321	11635321	+	5.853E-27	2.67582E-25	-0.39183	hypo	sig	chr16_11635321
chr1	90725444	90725444	+	5.866E-27	2.68186E-25	0.209481	hyper	sig	chr1_90725444
chr15	24773073	24773073	+	5.879E-27	2.6874E-25	0.255821	hyper	sig	chr15_24773073
chr14	1.01E+08	101040136	+	5.903E-27	2.69851E-25	-0.25434	hypo	sig	chr14_101040136
chr13	36432141	36432141	+	5.904E-27	2.69882E-25	0.267398	hyper	sig	chr13_36432141
chr6	50820235	50820235	+	5.905E-27	2.69887E-25	0.239789	hyper	sig	chr6_50820235
chr16	30007350	30007350	+	5.906E-27	2.69927E-25	-0.27786	hypo	sig	chr16_30007350
chr18	55779974	55779974	+	5.908E-27	2.70027E-25	0.294901	hyper	sig	chr18_55779974
chr12	98745670	98745670	+	5.924E-27	2.70745E-25	0.208018	hyper	sig	chr12_98745670
chr9	1.37E+08	137174318	+	5.926E-27	2.70802E-25	-0.28841	hypo	sig	chr9_137174318
chr6	1.1E+08	110357714	+	5.934E-27	2.71135E-25	0.267676	hyper	sig	chr6_110357714
chr7	8444130	8444130	+	5.935E-27	2.71175E-25	0.339553	hyper	sig	chr7_8444130
chr5	10653195	10653195	+	5.942E-27	2.71434E-25	-0.27436	hypo	sig	chr5_10653195
chr11	3218702	3218702	+	5.951E-27	2.71834E-25	-0.27014	hypo	sig	chr11_3218702
chr6	1.08E+08	108167421	+	5.952E-27	2.71867E-25	0.281972	hyper	sig	chr6_108167421
chr10	1.01E+08	100519915	+	5.96E-27	2.72237E-25	0.303526	hyper	sig	chr10_100519915
chr12	80708783	80708783	+	5.989E-27	2.73525E-25	0.252374	hyper	sig	chr12_80708783
chr22	49048560	49048560	+	5.994E-27	2.73727E-25	-0.30476	hypo	sig	chr22_49048560
chr16	50697184	50697184	+	6E-27	2.73979E-25	-0.30024	hypo	sig	chr16_50697184
chr11	92225920	92225920	+	6.003E-27	2.74102E-25	0.298409	hyper	sig	chr11_92225920
chr18	75205198	75205198	+	6.039E-27	2.75749E-25	0.248526	hyper	sig	chr18_75205198
chr22	46077398	46077398	+	6.049E-27	2.76182E-25	-0.2519	hypo	sig	chr22_46077398
chr2	1.3E+08	129979714	+	6.052E-27	2.76272E-25	0.201225	hyper	sig	chr2_129979714
chr6	41638734	41638734	+	6.053E-27	2.76337E-25	0.212648	hyper	sig	chr6_41638734
chr7	27103784	27103784	+	6.057E-27	2.7647E-25	0.215902	hyper	sig	chr7_27103784
chr13	1.12E+08	112069257	+	6.089E-27	2.77952E-25	0.227156	hyper	sig	chr13_112069257
chr7	813497	813497	+	6.092E-27	2.78056E-25	-0.21268	hypo	sig	chr7_813497
chr3	1.34E+08	133674812	+	6.095E-27	2.7819E-25	0.305763	hyper	sig	chr3_133674812
chr5	32713273	32713273	+	6.096E-27	2.78194E-25	0.273735	hyper	sig	chr5_32713273
chr11	19346023	19346023	+	6.099E-27	2.78295E-25	0.238274	hyper	sig	chr11_19346023
chr16	51150232	51150232	+	6.106E-27	2.78632E-25	0.287462	hyper	sig	chr16_51150232
chr8	52939738	52939738	+	6.11E-27	2.7879E-25	0.353624	hyper	sig	chr8_52939738
chr17	203117	203117	+	6.117E-27	2.79068E-25	-0.22226	hypo	sig	chr17_203117
chr8	1.23E+08	123182863	+	6.118E-27	2.79103E-25	-0.24359	hypo	sig	chr8_123182863
chr8	1302568	1302568	+	6.135E-27	2.79876E-25	-0.23909	hypo	sig	chr8_1302568
chr8	1.08E+08	108083604	+	6.142E-27	2.80176E-25	0.284363	hyper	sig	chr8_108083604
chr10	1182499	1182499	+	6.145E-27	2.80305E-25	-0.25618	hypo	sig	chr10_1182499
chr18	57441606	57441606	+	6.166E-27	2.81259E-25	0.24802	hyper	sig	chr18_57441606

chr4	963785	963785	+	6.17E-27	2.81396E-25	-0.27658	hypo	sig	chr4_963785
chr13	40485013	40485013	+	6.171E-27	2.81425E-25	-0.36684	hypo	sig	chr13_40485013
chr9	82131171	82131171	+	6.174E-27	2.81552E-25	-0.29559	hypo	sig	chr9_82131171
chr10	27999242	27999242	+	6.177E-27	2.81673E-25	0.315357	hyper	sig	chr10_27999242
chr2	1.09E+08	109031537	+	6.184E-27	2.81995E-25	0.247673	hyper	sig	chr2_109031537
chr18	10589153	10589153	+	6.19E-27	2.82254E-25	-0.27578	hypo	sig	chr18_10589153
chr19	23075710	23075710	+	6.224E-27	2.83777E-25	0.331873	hyper	sig	chr19_23075710
chr12	34165180	34165180	+	6.233E-27	2.84172E-25	-0.31498	hypo	sig	chr12_34165180
chr7	29874748	29874748	+	6.237E-27	2.84328E-25	-0.30169	hypo	sig	chr7_29874748
chr19	35558467	35558467	+	6.238E-27	2.84351E-25	0.271112	hyper	sig	chr19_35558467
chr12	49961540	49961540	+	6.263E-27	2.85505E-25	0.212424	hyper	sig	chr12_49961540
chr1	90718961	90718961	+	6.274E-27	2.85974E-25	0.202352	hyper	sig	chr1_90718961
chr15	99734092	99734092	+	6.275E-27	2.85996E-25	-0.37432	hypo	sig	chr15_99734092
chr10	50024845	50024845	+	6.281E-27	2.86262E-25	0.233584	hyper	sig	chr10_50024845
chr12	1.1E+08	109904997	+	6.286E-27	2.86471E-25	-0.22447	hypo	sig	chr12_109904997
chr16	49275327	49275327	+	6.292E-27	2.86715E-25	0.259144	hyper	sig	chr16_49275327
chr12	54019338	54019338	+	6.316E-27	2.87795E-25	0.306031	hyper	sig	chr12_54019338
chr20	25083203	25083203	+	6.362E-27	2.89894E-25	0.306682	hyper	sig	chr20_25083203
chr3	62374040	62374040	+	6.371E-27	2.90277E-25	0.228501	hyper	sig	chr3_62374040
chr1	2.29E+08	229407279	+	6.379E-27	2.90596E-25	0.286239	hyper	sig	chr1_229407279
chr14	24171912	24171912	+	6.382E-27	2.90724E-25	0.22545	hyper	sig	chr14_24171912
chr13	1.13E+08	113110252	+	6.386E-27	2.90916E-25	0.342915	hyper	sig	chr13_113110252
chr2	23616967	23616967	+	6.409E-27	2.9194E-25	-0.25273	hypo	sig	chr2_23616967
chr7	2662002	2662002	+	6.435E-27	2.93114E-25	-0.28758	hypo	sig	chr7_2662002
chr6	41638707	41638707	+	6.442E-27	2.93412E-25	0.212776	hyper	sig	chr6_41638707
chr10	23191064	23191064	+	6.479E-27	2.95067E-25	0.301779	hyper	sig	chr10_23191064
chr20	63254892	63254892	+	6.555E-27	2.98502E-25	0.23424	hyper	sig	chr20_63254892
chr6	29792757	29792757	+	6.562E-27	2.98803E-25	0.226906	hyper	sig	chr6_29792757
chr12	1.31E+08	131124859	+	6.569E-27	2.99087E-25	-0.34877	hypo	sig	chr12_131124859
chr8	11700712	11700712	+	6.572E-27	2.99233E-25	0.239091	hyper	sig	chr8_11700712
chr16	54288396	54288396	+	6.597E-27	3.00338E-25	0.35168	hyper	sig	chr16_54288396
chr1	2.07E+08	207495997	+	6.63E-27	3.01841E-25	0.253728	hyper	sig	chr1_207495997
chr12	53936108	53936108	+	6.632E-27	3.01872E-25	0.319761	hyper	sig	chr12_53936108
chr4	1.21E+08	121380418	+	6.631E-27	3.01872E-25	0.307437	hyper	sig	chr4_121380418
chr5	32713021	32713021	+	6.632E-27	3.01872E-25	0.282254	hyper	sig	chr5_32713021
chr2	950318	950318	+	6.633E-27	3.01911E-25	0.235764	hyper	sig	chr2_950318
chr10	1.31E+08	131311009	+	6.651E-27	3.02722E-25	0.263465	hyper	sig	chr10_131311009
chr22	46077274	46077274	+	6.66E-27	3.03086E-25	-0.32414	hypo	sig	chr22_46077274
chr16	3305054	3305054	+	6.681E-27	3.04013E-25	0.377781	hyper	sig	chr16_3305054
chr13	78595554	78595554	+	6.686E-27	3.04252E-25	0.240344	hyper	sig	chr13_78595554
chr13	36345537	36345537	+	6.694E-27	3.04604E-25	0.270328	hyper	sig	chr13_36345537
chr22	43437256	43437256	+	6.706E-27	3.051E-25	-0.30103	hypo	sig	chr22_43437256
chr15	89410064	89410064	+	6.706E-27	3.05122E-25	0.261651	hyper	sig	chr15_89410064
chr6	1.08E+08	108165176	+	6.71E-27	3.05256E-25	0.352834	hyper	sig	chr6_108165176
chr2	2.2E+08	219515820	+	6.711E-27	3.05275E-25	-0.2275	hypo	sig	chr2_219515820
chr8	1.44E+08	144047035	+	6.726E-27	3.05952E-25	-0.25263	hypo	sig	chr8_144047035
chr11	64061247	64061247	+	6.729E-27	3.06102E-25	0.209829	hyper	sig	chr11_64061247
chr10	11166061	11166061	+	6.732E-27	3.06211E-25	0.306893	hyper	sig	chr10_11166061
chr11	67442580	67442580	+	6.737E-27	3.06406E-25	-0.21416	hypo	sig	chr11_67442580
chr12	54055165	54055165	+	6.738E-27	3.06417E-25	0.370476	hyper	sig	chr12_54055165
chr7	64877537	64877537	+	6.749E-27	3.06924E-25	0.314081	hyper	sig	chr7_64877537
chr2	94857037	94857037	+	6.757E-27	3.0728E-25	0.310523	hyper	sig	chr2_94857037
chr6	28635175	28635175	+	6.762E-27	3.07483E-25	0.207571	hyper	sig	chr6_28635175
chr4	304965	304965	+	6.766E-27	3.07657E-25	0.247021	hyper	sig	chr4_304965
chr20	23049553	23049553	+	6.767E-27	3.07693E-25	0.226365	hyper	sig	chr20_23049553
chr13	1.1E+08	109773466	+	6.771E-27	3.07842E-25	-0.25482	hypo	sig	chr13_109773466

chr9	1.19E+08	119369825	+	6.775E-27	3.07992E-25	0.254632	hyper	sig	chr9_119369825
chr19	51167278	51167278	+	6.779E-27	3.08152E-25	-0.2519	hypo	sig	chr19_51167278
chr18	32140035	32140035	+	6.785E-27	3.08433E-25	-0.33222	hypo	sig	chr18_32140035
chr1	3245525	3245525	+	6.806E-27	3.09352E-25	-0.23107	hypo	sig	chr1_3245525
chr19	15181661	15181661	+	6.81E-27	3.09511E-25	-0.27961	hypo	sig	chr19_15181661
chr6	1E+08	100448934	+	6.825E-27	3.10191E-25	0.227456	hyper	sig	chr6_100448934
chr13	57632879	57632879	+	6.864E-27	3.11943E-25	0.295958	hyper	sig	chr13_57632879
chr6	10422377	10422377	+	6.865E-27	3.11984E-25	0.255949	hyper	sig	chr6_10422377
chr8	84183812	84183812	+	6.873E-27	3.12338E-25	0.299993	hyper	sig	chr8_84183812
chr11	1113840	1113840	+	6.88E-27	3.12617E-25	-0.28719	hypo	sig	chr11_1113840
chr5	3606441	3606441	+	6.88E-27	3.12617E-25	0.27453	hyper	sig	chr5_3606441
chr8	64371472	64371472	+	6.884E-27	3.1278E-25	0.28998	hyper	sig	chr8_64371472
chr10	99527878	99527878	+	6.896E-27	3.13276E-25	0.260387	hyper	sig	chr10_99527878
chr15	88769831	88769831	+	6.914E-27	3.1406E-25	0.223267	hyper	sig	chr15_88769831
chr2	2.39E+08	238890957	+	6.945E-27	3.15438E-25	-0.25188	hypo	sig	chr2_238890957
chr7	1.29E+08	129131604	+	6.945E-27	3.15438E-25	-0.33803	hypo	sig	chr7_129131604
chr3	1.47E+08	147394309	+	6.954E-27	3.15836E-25	0.286647	hyper	sig	chr3_147394309
chr12	1.31E+08	130716146	+	6.955E-27	3.15856E-25	0.254179	hyper	sig	chr12_130716146
chr21	29940265	29940265	+	6.97E-27	3.16511E-25	0.238714	hyper	sig	chr21_29940265
chr11	45907254	45907254	+	6.977E-27	3.16827E-25	-0.21501	hypo	sig	chr11_45907254
chr19	18931918	18931918	+	6.986E-27	3.17213E-25	-0.27581	hypo	sig	chr19_18931918
chr13	57629909	57629909	+	7.002E-27	3.17941E-25	0.264642	hyper	sig	chr13_57629909
chr6	1E+08	100447335	+	7.004E-27	3.18021E-25	0.222833	hyper	sig	chr6_100447335
chr2	1.6E+08	160271599	+	7.025E-27	3.18933E-25	-0.27003	hypo	sig	chr2_160271599
chr16	1443752	1443752	+	7.042E-27	3.19675E-25	-0.30786	hypo	sig	chr16_1443752
chr17	82388163	82388163	+	7.042E-27	3.19675E-25	-0.29394	hypo	sig	chr17_82388163
chr1	1.19E+08	119006504	+	7.048E-27	3.19948E-25	0.260294	hyper	sig	chr1_119006504
chr11	72244395	72244395	+	7.084E-27	3.21524E-25	0.289469	hyper	sig	chr11_72244395
chr7	1.56E+08	155961983	+	7.124E-27	3.2332E-25	-0.27461	hypo	sig	chr7_155961983
chr17	48607333	48607333	+	7.124E-27	3.23329E-25	-0.21412	hypo	sig	chr17_48607333
chr2	50347892	50347892	+	7.139E-27	3.23978E-25	0.224839	hyper	sig	chr2_50347892
chr15	34754969	34754969	+	7.152E-27	3.24536E-25	0.240597	hyper	sig	chr15_34754969
chr3	32819869	32819869	+	7.171E-27	3.25385E-25	0.258411	hyper	sig	chr3_32819869
chr19	33684558	33684558	+	7.195E-27	3.2647E-25	0.207734	hyper	sig	chr19_33684558
chr13	57634285	57634285	+	7.206E-27	3.26917E-25	0.29875	hyper	sig	chr13_57634285
chr12	53961744	53961744	+	7.241E-27	3.28495E-25	0.234927	hyper	sig	chr12_53961744
chr1	1.44E+08	143661966	+	7.242E-27	3.28522E-25	0.272271	hyper	sig	chr1_143661966
chr17	82388973	82388973	+	7.245E-27	3.28652E-25	-0.27662	hypo	sig	chr17_82388973
chr1	2.29E+08	229434098	+	7.249E-27	3.28824E-25	0.248262	hyper	sig	chr1_229434098
chr10	1.32E+08	132138216	+	7.281E-27	3.30239E-25	-0.23289	hypo	sig	chr10_132138216
chr2	1.19E+08	118842889	+	7.295E-27	3.30873E-25	0.217349	hyper	sig	chr2_118842889
chr16	85642829	85642829	+	7.311E-27	3.31555E-25	-0.29452	hypo	sig	chr16_85642829
chr6	32198875	32198875	+	7.325E-27	3.32192E-25	-0.32678	hypo	sig	chr6_32198875
chr10	1.03E+08	103277957	+	7.329E-27	3.32339E-25	0.314766	hyper	sig	chr10_103277957
chr8	22148089	22148089	+	7.345E-27	3.3307E-25	-0.21405	hypo	sig	chr8_22148089
chr20	45097931	45097931	+	7.351E-27	3.33292E-25	0.248518	hyper	sig	chr20_45097931
chr8	76683150	76683150	+	7.358E-27	3.33627E-25	0.288485	hyper	sig	chr8_76683150
chr5	1.41E+08	141431320	+	7.37E-27	3.34143E-25	0.245629	hyper	sig	chr5_141431320
chr10	1.33E+08	133046425	+	7.396E-27	3.35257E-25	-0.23027	hypo	sig	chr10_133046425
chr4	1.21E+08	121380413	+	7.397E-27	3.35303E-25	0.304166	hyper	sig	chr4_121380413
chr5	1.41E+08	141430770	+	7.413E-27	3.35985E-25	0.246516	hyper	sig	chr5_141430770
chr20	21702184	21702184	+	7.419E-27	3.36225E-25	0.30893	hyper	sig	chr20_21702184
chr2	1.3E+08	129979716	+	7.423E-27	3.36413E-25	0.208018	hyper	sig	chr2_129979716
chr17	44558378	44558378	+	7.46E-27	3.38056E-25	0.333462	hyper	sig	chr17_44558378
chr17	7740544	7740544	+	7.468E-27	3.38398E-25	-0.36894	hypo	sig	chr17_7740544
chr3	1.82E+08	181723713	+	7.472E-27	3.38529E-25	0.235529	hyper	sig	chr3_181723713

chr3	1.28E+08	128492277	+	7.484E-27	3.39077E-25	0.258221	hyper	sig	chr3_128492277
chr2	63053904	63053904	+	7.489E-27	3.39283E-25	0.248234	hyper	sig	chr2_63053904
chr15	88258187	88258187	+	7.511E-27	3.40202E-25	0.287494	hyper	sig	chr15_88258187
chr12	85279640	85279640	+	7.517E-27	3.40478E-25	0.313062	hyper	sig	chr12_85279640
chr22	48396978	48396978	+	7.521E-27	3.40636E-25	-0.32407	hypo	sig	chr22_48396978
chr5	32713009	32713009	+	7.543E-27	3.41596E-25	0.279842	hyper	sig	chr5_32713009
chr16	3009772	3009772	+	7.547E-27	3.41762E-25	-0.23356	hypo	sig	chr16_3009772
chr6	1.5E+08	149965369	+	7.552E-27	3.41942E-25	0.261266	hyper	sig	chr6_149965369
chr12	1.32E+08	132287241	+	7.568E-27	3.42656E-25	-0.21365	hypo	sig	chr12_132287241
chr2	1.32E+08	131647001	+	7.569E-27	3.4271E-25	0.320683	hyper	sig	chr2_131647001
chr5	73444790	73444790	+	7.579E-27	3.43129E-25	0.316481	hyper	sig	chr5_73444790
chr8	64368974	64368974	+	7.58E-27	3.43168E-25	0.229222	hyper	sig	chr8_64368974
chr10	1.01E+08	101062082	+	7.583E-27	3.43273E-25	-0.35138	hypo	sig	chr10_101062082
chr5	1.7E+08	169637667	+	7.59E-27	3.43543E-25	0.304886	hyper	sig	chr5_169637667
chr16	23838793	23838793	+	7.593E-27	3.43659E-25	-0.3175	hypo	sig	chr16_23838793
chr20	23048616	23048616	+	7.595E-27	3.4374E-25	0.258938	hyper	sig	chr20_23048616
chr20	62330940	62330940	+	7.598E-27	3.4387E-25	-0.28419	hypo	sig	chr20_62330940
chr13	52848325	52848325	+	7.611E-27	3.44415E-25	0.222275	hyper	sig	chr13_52848325
chr8	52939806	52939806	+	7.613E-27	3.44481E-25	0.352854	hyper	sig	chr8_52939806
chr5	79069887	79069887	+	7.624E-27	3.44986E-25	0.282681	hyper	sig	chr5_79069887
chr3	198470	198470	+	7.643E-27	3.45826E-25	0.281525	hyper	sig	chr3_198470
chr1	3188480	3188480	+	7.646E-27	3.45952E-25	-0.26441	hypo	sig	chr1_3188480
chr17	48722140	48722140	+	7.647E-27	3.45959E-25	0.282655	hyper	sig	chr17_48722140
chr1	6200647	6200647	+	7.658E-27	3.4641E-25	-0.30987	hypo	sig	chr1_6200647
chr3	5023480	5023480	+	7.684E-27	3.47517E-25	-0.34331	hypo	sig	chr3_5023480
chr6	28635396	28635396	+	7.709E-27	3.48586E-25	0.218167	hyper	sig	chr6_28635396
chr6	1.68E+08	167978069	+	7.712E-27	3.48743E-25	-0.26804	hypo	sig	chr6_167978069
chr9	97221207	97221207	+	7.724E-27	3.49245E-25	0.325961	hyper	sig	chr9_97221207
chr10	49610865	49610865	+	7.737E-27	3.49829E-25	0.269806	hyper	sig	chr10_49610865
chr16	86511139	86511139	+	7.748E-27	3.50288E-25	0.20402	hyper	sig	chr16_86511139
chr2	70714550	70714550	+	7.749E-27	3.50326E-25	-0.27633	hypo	sig	chr2_70714550
chr7	1.58E+08	157684301	+	7.751E-27	3.50394E-25	0.305827	hyper	sig	chr7_157684301
chr17	46819585	46819585	+	7.754E-27	3.50495E-25	0.237431	hyper	sig	chr17_46819585
chr10	1.24E+08	124447263	+	7.754E-27	3.50507E-25	0.269473	hyper	sig	chr10_124447263
chr17	65537113	65537113	+	7.773E-27	3.51303E-25	-0.30539	hypo	sig	chr17_65537113
chr12	1.07E+08	106585652	+	7.777E-27	3.51483E-25	0.313307	hyper	sig	chr12_106585652
chr7	37449333	37449333	+	7.781E-27	3.51669E-25	0.202195	hyper	sig	chr7_37449333
chr12	24903351	24903351	+	7.808E-27	3.52839E-25	0.33033	hyper	sig	chr12_24903351
chr5	1.71E+08	171315346	+	7.814E-27	3.53081E-25	0.21732	hyper	sig	chr5_171315346
chr16	88416968	88416968	+	7.823E-27	3.53474E-25	-0.2664	hypo	sig	chr16_88416968
chr20	25082193	25082193	+	7.833E-27	3.53934E-25	0.260632	hyper	sig	chr20_25082193
chr2	1.49E+08	148888305	+	7.84E-27	3.54214E-25	0.227212	hyper	sig	chr2_148888305
chr5	1.41E+08	141389513	+	7.844E-27	3.54345E-25	0.209757	hyper	sig	chr5_141389513
chr17	2057998	2057998	+	7.849E-27	3.54582E-25	0.25426	hyper	sig	chr17_2057998
chr2	2.33E+08	232519823	+	7.856E-27	3.5485E-25	-0.31688	hypo	sig	chr2_232519823
chr10	69640254	69640254	+	7.86E-27	3.55027E-25	-0.23921	hypo	sig	chr10_69640254
chr13	1.13E+08	113141797	+	7.863E-27	3.55142E-25	-0.29487	hypo	sig	chr13_113141797
chr6	50707843	50707843	+	7.864E-27	3.55142E-25	0.243334	hyper	sig	chr6_50707843
chr14	1.04E+08	104357822	+	7.867E-27	3.55278E-25	-0.25344	hypo	sig	chr14_104357822
chr8	64379217	64379217	+	7.87E-27	3.55373E-25	0.267396	hyper	sig	chr8_64379217
chr10	26592931	26592931	+	7.875E-27	3.55586E-25	-0.31538	hypo	sig	chr10_26592931
chr7	98212201	98212201	+	7.876E-27	3.55615E-25	-0.21209	hypo	sig	chr7_98212201
chr10	1.02E+08	102240665	+	7.888E-27	3.56126E-25	0.26622	hyper	sig	chr10_102240665
chr7	32427865	32427865	+	7.9E-27	3.56654E-25	0.270061	hyper	sig	chr7_32427865
chr13	70107912	70107912	+	7.91E-27	3.57083E-25	0.301349	hyper	sig	chr13_70107912
chr16	2187271	2187271	+	7.913E-27	3.5721E-25	-0.2764	hypo	sig	chr16_2187271

chr12	85273628	85273628	+	7.922E-27	3.57612E-25	0.258652	hyper	sig	chr12_85273628
chr8	1.13E+08	113432842	+	7.949E-27	3.58781E-25	0.207241	hyper	sig	chr8_113432842
chr16	30821211	30821211	+	7.949E-27	3.58801E-25	-0.29513	hypo	sig	chr16_30821211
chr20	21702225	21702225	+	7.955E-27	3.5903E-25	0.278577	hyper	sig	chr20_21702225
chr4	41881113	41881113	+	7.964E-27	3.59425E-25	0.274305	hyper	sig	chr4_41881113
chr8	1.42E+08	141974111	+	7.967E-27	3.59546E-25	-0.24026	hypo	sig	chr8_141974111
chr1	937038	937038	+	7.973E-27	3.59775E-25	-0.27327	hypo	sig	chr1_937038
chr2	2.13E+08	212536841	+	7.98E-27	3.60085E-25	0.281204	hyper	sig	chr2_212536841
chr1	2.08E+08	207645425	+	7.997E-27	3.60828E-25	0.298814	hyper	sig	chr1_207645425
chr6	6004722	6004722	+	7.998E-27	3.60842E-25	0.244459	hyper	sig	chr6_6004722
chr19	53255069	53255069	+	8.002E-27	3.60993E-25	0.289767	hyper	sig	chr19_53255069
chr16	51156030	51156030	+	8.012E-27	3.61428E-25	0.29185	hyper	sig	chr16_51156030
chr5	32713025	32713025	+	8.019E-27	3.61721E-25	0.283212	hyper	sig	chr5_32713025
chr10	69569298	69569298	+	8.025E-27	3.61987E-25	0.281605	hyper	sig	chr10_69569298
chr20	63361139	63361139	+	8.036E-27	3.62421E-25	0.247831	hyper	sig	chr20_63361139
chr19	3785845	3785845	+	8.051E-27	3.63079E-25	0.239589	hyper	sig	chr19_3785845
chr17	65563783	65563783	+	8.08E-27	3.64376E-25	-0.27043	hypo	sig	chr17_65563783
chr20	45297911	45297911	+	8.081E-27	3.64397E-25	-0.31659	hypo	sig	chr20_45297911
chr16	86565550	86565550	+	8.102E-27	3.65305E-25	0.280366	hyper	sig	chr16_86565550
chr14	1.04E+08	104223918	+	8.108E-27	3.65584E-25	0.222804	hyper	sig	chr14_104223918
chr6	32069045	32069045	+	8.136E-27	3.66818E-25	-0.27251	hypo	sig	chr6_32069045
chr1	52843550	52843550	+	8.15E-27	3.6741E-25	0.339571	hyper	sig	chr1_52843550
chr4	1.33E+08	133148063	+	8.153E-27	3.67501E-25	0.273197	hyper	sig	chr4_133148063
chr5	88690121	88690121	+	8.159E-27	3.67763E-25	0.211219	hyper	sig	chr5_88690121
chr4	386017	386017	+	8.164E-27	3.67984E-25	0.283281	hyper	sig	chr4_386017
chr16	86496328	86496328	+	8.166E-27	3.68057E-25	0.230313	hyper	sig	chr16_86496328
chr7	1.51E+08	151254410	+	8.198E-27	3.6948E-25	-0.27486	hypo	sig	chr7_151254410
chr12	1.03E+08	102961449	+	8.221E-27	3.70475E-25	0.216773	hyper	sig	chr12_102961449
chr7	28410382	28410382	+	8.221E-27	3.70475E-25	0.230285	hyper	sig	chr7_28410382
chr13	53200989	53200989	+	8.227E-27	3.70697E-25	0.272131	hyper	sig	chr13_53200989
chr17	44068893	44068893	+	8.273E-27	3.7274E-25	-0.32275	hypo	sig	chr17_44068893
chr10	49614706	49614706	+	8.335E-27	3.75465E-25	0.228374	hyper	sig	chr10_49614706
chr13	1.12E+08	111640263	+	8.34E-27	3.75683E-25	-0.25739	hypo	sig	chr13_111640263
chr1	18820639	18820639	+	8.352E-27	3.76175E-25	-0.24622	hypo	sig	chr1_18820639
chr13	20713945	20713945	+	8.359E-27	3.76507E-25	-0.32628	hypo	sig	chr13_20713945
chr6	31507354	31507354	+	8.362E-27	3.76586E-25	-0.27593	hypo	sig	chr6_31507354
chr20	838415	838415	+	8.364E-27	3.76672E-25	-0.26896	hypo	sig	chr20_838415
chr17	41635444	41635444	+	8.381E-27	3.77409E-25	-0.27211	hypo	sig	chr17_41635444
chr15	89408565	89408565	+	8.39E-27	3.77781E-25	0.230624	hyper	sig	chr15_89408565
chr1	2445976	2445976	+	8.398E-27	3.78157E-25	-0.21631	hypo	sig	chr1_2445976
chr9	3181014	3181014	+	8.4E-27	3.78224E-25	0.249022	hyper	sig	chr9_3181014
chr6	1.68E+08	168101270	+	8.419E-27	3.79027E-25	0.253947	hyper	sig	chr6_168101270
chr13	1.1E+08	109773456	+	8.427E-27	3.79364E-25	-0.30816	hypo	sig	chr13_109773456
chr6	50843245	50843245	+	8.443E-27	3.80004E-25	0.269559	hyper	sig	chr6_50843245
chr17	80478204	80478204	+	8.458E-27	3.80696E-25	0.221418	hyper	sig	chr17_80478204
chr13	1.12E+08	112056461	+	8.501E-27	3.82589E-25	0.363091	hyper	sig	chr13_112056461
chr10	7173339	7173339	+	8.502E-27	3.82602E-25	-0.27605	hypo	sig	chr10_7173339
chr3	1.47E+08	147394542	+	8.503E-27	3.82643E-25	0.232148	hyper	sig	chr3_147394542
chr17	5097645	5097645	+	8.504E-27	3.82652E-25	0.287984	hyper	sig	chr17_5097645
chr11	17580506	17580506	+	8.519E-27	3.83282E-25	-0.25672	hypo	sig	chr11_17580506
chr6	1.68E+08	167815830	+	8.519E-27	3.83282E-25	-0.27641	hypo	sig	chr6_167815830
chr20	63254905	63254905	+	8.541E-27	3.84254E-25	0.223373	hyper	sig	chr20_63254905
chr17	77373908	77373908	+	8.552E-27	3.84723E-25	0.328557	hyper	sig	chr17_77373908
chr5	78518728	78518728	+	8.562E-27	3.85147E-25	-0.28945	hypo	sig	chr5_78518728
chr12	1.1E+08	109606726	+	8.573E-27	3.85639E-25	-0.32345	hypo	sig	chr12_109606726
chr5	1.72E+08	171581051	+	8.635E-27	3.88344E-25	-0.29103	hypo	sig	chr5_171581051

chr20	46513653	46513653	+	8.664E-27	3.89654E-25	0.20992	hyper	sig	chr20_46513653
chr2	2.39E+08	238890935	+	8.677E-27	3.90212E-25	-0.24105	hypo	sig	chr2_238890935
chr7	27110611	27110611	+	8.734E-27	3.92748E-25	0.267195	hyper	sig	chr7_27110611
chr3	1.47E+08	147410808	+	8.735E-27	3.92764E-25	0.310051	hyper	sig	chr3_147410808
chr12	53973040	53973040	+	8.764E-27	3.94029E-25	0.337204	hyper	sig	chr12_53973040
chr15	1.01E+08	101009102	+	8.764E-27	3.94029E-25	-0.26147	hypo	sig	chr15_101009102
chr7	45922290	45922290	+	8.772E-27	3.9439E-25	0.209317	hyper	sig	chr7_45922290
chr5	1.81E+08	180606621	+	8.773E-27	3.94395E-25	-0.29016	hypo	sig	chr5_180606621
chr2	2.4E+08	240043837	+	8.813E-27	3.96167E-25	-0.23908	hypo	sig	chr2_240043837
chr6	10422194	10422194	+	8.824E-27	3.9664E-25	0.281271	hyper	sig	chr6_10422194
chr2	2.42E+08	241891401	+	8.837E-27	3.97195E-25	-0.2577	hypo	sig	chr2_241891401
chr2	2.2E+08	219515773	+	8.853E-27	3.97916E-25	-0.23338	hypo	sig	chr2_219515773
chr3	1.25E+08	125142001	+	8.864E-27	3.9836E-25	0.273733	hyper	sig	chr3_125142001
chr12	53952108	53952108	+	8.875E-27	3.98833E-25	0.217259	hyper	sig	chr12_53952108
chr17	185615	185615	+	8.879E-27	3.99018E-25	-0.24521	hypo	sig	chr17_185615
chr7	35255546	35255546	+	8.892E-27	3.99583E-25	0.361414	hyper	sig	chr7_35255546
chr1	1965143	1965143	+	8.896E-27	3.99723E-25	-0.27124	hypo	sig	chr1_1965143
chr18	10589191	10589191	+	8.932E-27	4.01308E-25	-0.29885	hypo	sig	chr18_10589191
chr4	41879916	41879916	+	8.942E-27	4.01761E-25	0.238528	hyper	sig	chr4_41879916
chr5	1.8E+08	179530577	+	8.948E-27	4.01972E-25	0.211046	hyper	sig	chr5_179530577
chr7	1.01E+08	100602386	+	8.952E-27	4.0214E-25	-0.26061	hypo	sig	chr7_100602386
chr8	64373706	64373706	+	8.961E-27	4.02543E-25	0.326535	hyper	sig	chr8_64373706
chr1	16004221	16004221	+	8.97E-27	4.02895E-25	-0.22839	hypo	sig	chr1_16004221
chr16	1443755	1443755	+	8.998E-27	4.04126E-25	-0.29832	hypo	sig	chr16_1443755
chr19	599355	599355	+	9.016E-27	4.04899E-25	-0.27031	hypo	sig	chr19_599355
chr6	1E+08	100448185	+	9.017E-27	4.04953E-25	0.289597	hyper	sig	chr6_100448185
chr19	5838988	5838988	+	9.02E-27	4.05025E-25	-0.25356	hypo	sig	chr19_5838988
chr19	52535714	52535714	+	9.038E-27	4.0583E-25	0.253224	hyper	sig	chr19_52535714
chr14	60510572	60510572	+	9.065E-27	4.07018E-25	0.307859	hyper	sig	chr14_60510572
chr6	32220579	32220579	+	9.097E-27	4.08421E-25	-0.29203	hypo	sig	chr6_32220579
chr5	2739013	2739013	+	9.104E-27	4.08745E-25	0.242939	hyper	sig	chr5_2739013
chr19	49031102	49031102	+	9.118E-27	4.09322E-25	-0.29362	hypo	sig	chr19_49031102
chr11	20596733	20596733	+	9.158E-27	4.11087E-25	0.231471	hyper	sig	chr11_20596733
chr11	32434264	32434264	+	9.164E-27	4.11371E-25	0.30209	hyper	sig	chr11_32434264
chr1	7782099	7782099	+	9.213E-27	4.13492E-25	-0.22472	hypo	sig	chr1_7782099
chr19	21475199	21475199	+	9.214E-27	4.13546E-25	0.284052	hyper	sig	chr19_21475199
chr17	35735609	35735609	+	9.23E-27	4.14229E-25	-0.25541	hypo	sig	chr17_35735609
chr13	1.02E+08	101919869	+	9.245E-27	4.14886E-25	0.304887	hyper	sig	chr13_101919869
chr2	1.13E+08	113117649	+	9.249E-27	4.15028E-25	-0.23318	hypo	sig	chr2_113117649
chr9	975898	975898	+	9.254E-27	4.15216E-25	0.243971	hyper	sig	chr9_975898
chr5	1.46E+08	146340464	+	9.258E-27	4.15375E-25	0.275439	hyper	sig	chr5_146340464
chr12	54014657	54014657	+	9.259E-27	4.1539E-25	0.253679	hyper	sig	chr12_54014657
chr10	57249979	57249979	+	9.286E-27	4.16603E-25	-0.29202	hypo	sig	chr10_57249979
chr7	96999651	96999651	+	9.289E-27	4.16705E-25	0.276866	hyper	sig	chr7_96999651
chr5	1.41E+08	141431776	+	9.363E-27	4.20009E-25	0.233259	hyper	sig	chr5_141431776
chr4	1.25E+08	125317693	+	9.382E-27	4.20805E-25	0.244313	hyper	sig	chr4_125317693
chr3	68931403	68931403	+	9.385E-27	4.20933E-25	0.240701	hyper	sig	chr3_68931403
chr6	83707766	83707766	+	9.393E-27	4.21252E-25	0.307909	hyper	sig	chr6_83707766
chr7	92608899	92608899	+	9.397E-27	4.21424E-25	-0.25933	hypo	sig	chr7_92608899
chr7	1.43E+08	142797172	+	9.403E-27	4.21632E-25	0.220486	hyper	sig	chr7_142797172
chr6	18122998	18122998	+	9.409E-27	4.21902E-25	-0.23514	hypo	sig	chr6_18122998
chr10	594165	594165	+	9.417E-27	4.22211E-25	-0.28369	hypo	sig	chr10_594165
chr17	82342742	82342742	+	9.428E-27	4.22678E-25	-0.26795	hypo	sig	chr17_82342742
chr7	44327021	44327021	+	9.45E-27	4.23657E-25	-0.24827	hypo	sig	chr7_44327021
chr16	85181958	85181958	+	9.455E-27	4.2386E-25	-0.25548	hypo	sig	chr16_85181958
chr17	2057955	2057955	+	9.462E-27	4.24145E-25	0.252952	hyper	sig	chr17_2057955

chr10	55627952	55627952	+	9.469E-27	4.24414E-25	0.267916	hyper	sig	chr10_55627952
chr10	34974245	34974245	+	9.489E-27	4.25309E-25	-0.38928	hypo	sig	chr10_34974245
chr20	57392585	57392585	+	9.499E-27	4.25731E-25	0.324301	hyper	sig	chr20_57392585
chr9	97852597	97852597	+	9.502E-27	4.25842E-25	0.368511	hyper	sig	chr9_97852597
chr8	48735032	48735032	+	9.523E-27	4.26755E-25	0.230107	hyper	sig	chr8_48735032
chr2	1.15E+08	115161181	+	9.546E-27	4.27767E-25	0.239564	hyper	sig	chr2_115161181
chr3	62374249	62374249	+	9.547E-27	4.27788E-25	0.243972	hyper	sig	chr3_62374249
chr17	1907283	1907283	+	9.549E-27	4.2787E-25	-0.22361	hypo	sig	chr17_1907283
chr7	1.25E+08	124764332	+	9.551E-27	4.27943E-25	0.240542	hyper	sig	chr7_124764332
chr10	99233899	99233899	+	9.563E-27	4.28439E-25	0.236404	hyper	sig	chr10_99233899
chr7	1.54E+08	153745348	+	9.578E-27	4.29077E-25	-0.25268	hypo	sig	chr7_153745348
chr12	1.13E+08	113479944	+	9.595E-27	4.29807E-25	0.2732	hyper	sig	chr12_113479944
chr4	1.21E+08	121380433	+	9.622E-27	4.3094E-25	0.269186	hyper	sig	chr4_121380433
chr4	6197611	6197611	+	9.645E-27	4.31957E-25	-0.23268	hypo	sig	chr4_6197611
chr6	1E+08	100448884	+	9.656E-27	4.32411E-25	0.209757	hyper	sig	chr6_100448884
chr10	1.34E+08	133526963	+	9.661E-27	4.32575E-25	-0.30989	hypo	sig	chr10_133526963
chr5	1.29E+08	128538006	+	9.66E-27	4.32575E-25	0.290177	hyper	sig	chr5_128538006
chr5	83471859	83471859	+	9.689E-27	4.33831E-25	0.258314	hyper	sig	chr5_83471859
chr7	92608877	92608877	+	9.702E-27	4.34339E-25	-0.25501	hypo	sig	chr7_92608877
chr22	46661494	46661494	+	9.702E-27	4.34341E-25	-0.25353	hypo	sig	chr22_46661494
chr14	41605392	41605392	+	9.73E-27	4.35566E-25	0.208049	hyper	sig	chr14_41605392
chr20	46058484	46058484	+	9.776E-27	4.37587E-25	0.24665	hyper	sig	chr20_46058484
chr1	1242634	1242634	+	9.778E-27	4.37656E-25	-0.20893	hypo	sig	chr1_1242634
chr6	28775804	28775804	+	9.779E-27	4.37662E-25	0.279425	hyper	sig	chr6_28775804
chr1	22652216	22652216	+	9.783E-27	4.37792E-25	-0.25839	hypo	sig	chr1_22652216
chr17	81529251	81529251	+	9.782E-27	4.37792E-25	-0.211	hypo	sig	chr17_81529251
chr3	48661705	48661705	+	9.814E-27	4.39173E-25	0.217278	hyper	sig	chr3_48661705
chr2	2.28E+08	228181639	+	9.817E-27	4.39287E-25	0.281471	hyper	sig	chr2_228181639
chr19	48556281	48556281	+	9.832E-27	4.39911E-25	-0.28905	hypo	sig	chr19_48556281
chr9	97852854	97852854	+	9.856E-27	4.40963E-25	0.342675	hyper	sig	chr9_97852854
chr19	12156712	12156712	+	9.873E-27	4.41673E-25	0.222596	hyper	sig	chr19_12156712
chr7	8442605	8442605	+	9.889E-27	4.42367E-25	0.242729	hyper	sig	chr7_8442605
chr1	3596133	3596133	+	9.952E-27	4.45145E-25	-0.33066	hypo	sig	chr1_3596133
chr10	773663	773663	+	9.978E-27	4.46276E-25	-0.33407	hypo	sig	chr10_773663
chr11	69819768	69819768	+	1.001E-26	4.47501E-25	0.209233	hyper	sig	chr11_69819768
chr7	8434973	8434973	+	1.001E-26	4.47501E-25	0.344436	hyper	sig	chr7_8434973
chr20	24469237	24469237	+	1.002E-26	4.47866E-25	0.352427	hyper	sig	chr20_24469237
chr11	521046	521046	+	1.004E-26	4.49138E-25	-0.23077	hypo	sig	chr11_521046
chr12	1.32E+08	132202678	+	1.005E-26	4.49472E-25	-0.30078	hypo	sig	chr12_132202678
chr21	44682129	44682129	+	1.007E-26	4.50337E-25	-0.26135	hypo	sig	chr21_44682129
chr20	21515974	21515974	+	1.009E-26	4.5117E-25	0.273939	hyper	sig	chr20_21515974
chr8	74984872	74984872	+	1.011E-26	4.51756E-25	0.203465	hyper	sig	chr8_74984872
chr12	1.32E+08	132329061	+	1.012E-26	4.52548E-25	0.25572	hyper	sig	chr12_132329061
chr18	11752108	11752108	+	1.013E-26	4.52703E-25	0.331127	hyper	sig	chr18_11752108
chr10	1150795	1150795	+	1.013E-26	4.52756E-25	-0.25377	hypo	sig	chr10_1150795
chr1	50417330	50417330	+	1.014E-26	4.53059E-25	0.261373	hyper	sig	chr1_50417330
chr7	1.56E+08	155830180	+	1.014E-26	4.53183E-25	-0.26807	hypo	sig	chr7_155830180
chr8	1.31E+08	131041516	+	1.015E-26	4.534E-25	0.282009	hyper	sig	chr8_131041516
chr2	2.41E+08	240818150	+	1.015E-26	4.53553E-25	-0.28523	hypo	sig	chr2_240818150
chr8	54470005	54470005	+	1.018E-26	4.54647E-25	0.256865	hyper	sig	chr8_54470005
chr2	2.34E+08	233939263	+	1.019E-26	4.55285E-25	0.369929	hyper	sig	chr2_233939263
chr10	69103949	69103949	+	1.02E-26	4.55553E-25	-0.25898	hypo	sig	chr10_69103949
chr5	1144527	1144527	+	1.023E-26	4.56916E-25	-0.2648	hypo	sig	chr5_1144527
chr3	35640172	35640172	+	1.024E-26	4.572E-25	0.247083	hyper	sig	chr3_35640172
chr7	23490830	23490830	+	1.024E-26	4.572E-25	0.231697	hyper	sig	chr7_23490830
chr7	1.57E+08	157020290	+	1.026E-26	4.58065E-25	0.260155	hyper	sig	chr7_157020290

chr1	2441975	2441975	+	1.026E-26	4.58233E-25	-0.25208	hypo	sig	chr1_2441975
chr1	2908624	2908624	+	1.029E-26	4.59625E-25	-0.2091	hypo	sig	chr1_2908624
chr8	72537946	72537946	+	1.029E-26	4.59625E-25	0.326866	hyper	sig	chr8_72537946
chr4	84501277	84501277	+	1.03E-26	4.59769E-25	0.262209	hyper	sig	chr4_84501277
chr12	53966692	53966692	+	1.03E-26	4.59845E-25	0.257895	hyper	sig	chr12_53966692
chr17	77373880	77373880	+	1.03E-26	4.59851E-25	0.314043	hyper	sig	chr17_77373880
chr21	33026528	33026528	+	1.032E-26	4.60896E-25	0.264821	hyper	sig	chr21_33026528
chr16	152312	152312	+	1.033E-26	4.61093E-25	-0.27816	hypo	sig	chr16_152312
chr2	1.28E+08	127700674	+	1.034E-26	4.6146E-25	-0.26198	hypo	sig	chr2_127700674
chr13	77919214	77919214	+	1.036E-26	4.62471E-25	0.263585	hyper	sig	chr13_77919214
chr3	1.86E+08	186361562	+	1.037E-26	4.62943E-25	0.226227	hyper	sig	chr3_186361562
chr14	74406655	74406655	+	1.038E-26	4.63302E-25	-0.29544	hypo	sig	chr14_74406655
chr12	64390445	64390445	+	1.042E-26	4.6516E-25	0.218188	hyper	sig	chr12_64390445
chr10	1.09E+08	108911919	+	1.043E-26	4.65372E-25	0.328544	hyper	sig	chr10_108911919
chr10	43846555	43846555	+	1.043E-26	4.65552E-25	-0.32177	hypo	sig	chr10_43846555
chr16	88938012	88938012	+	1.043E-26	4.65552E-25	-0.24966	hypo	sig	chr16_88938012
chr12	54029665	54029665	+	1.044E-26	4.65871E-25	0.211401	hyper	sig	chr12_54029665
chr1	75131793	75131793	+	1.047E-26	4.66943E-25	0.240669	hyper	sig	chr1_75131793
chr8	1.31E+08	131041579	+	1.047E-26	4.67015E-25	0.294595	hyper	sig	chr8_131041579
chr1	6037712	6037712	+	1.05E-26	4.68193E-25	-0.3158	hypo	sig	chr1_6037712
chr1	2E+08	200036304	+	1.055E-26	4.70495E-25	0.381832	hyper	sig	chr1_200036304
chr2	44943192	44943192	+	1.056E-26	4.70967E-25	0.253093	hyper	sig	chr2_44943192
chr7	98215547	98215547	+	1.056E-26	4.70967E-25	-0.2954	hypo	sig	chr7_98215547
chr15	25194351	25194351	+	1.061E-26	4.73033E-25	-0.28368	hypo	sig	chr15_25194351
chr5	88678687	88678687	+	1.062E-26	4.73482E-25	0.228601	hyper	sig	chr5_88678687
chr13	20713165	20713165	+	1.062E-26	4.73509E-25	-0.2722	hypo	sig	chr13_20713165
chr17	64778149	64778149	+	1.065E-26	4.75034E-25	0.262804	hyper	sig	chr17_64778149
chr16	56190694	56190694	+	1.066E-26	4.75374E-25	0.253415	hyper	sig	chr16_56190694
chr9	1.22E+08	122219724	+	1.07E-26	4.77195E-25	0.202697	hyper	sig	chr9_122219724
chr4	80185127	80185127	+	1.07E-26	4.77196E-25	0.209228	hyper	sig	chr4_80185127
chr4	13525066	13525066	+	1.072E-26	4.77646E-25	0.217258	hyper	sig	chr4_13525066
chr15	26866450	26866450	+	1.077E-26	4.79949E-25	0.287228	hyper	sig	chr15_26866450
chr6	32105547	32105547	+	1.077E-26	4.80235E-25	-0.27593	hypo	sig	chr6_32105547
chr11	66420660	66420660	+	1.081E-26	4.81656E-25	0.339362	hyper	sig	chr11_66420660
chr1	21574598	21574598	+	1.082E-26	4.82092E-25	-0.29882	hypo	sig	chr1_21574598
chr5	1395129	1395129	+	1.082E-26	4.82169E-25	-0.25313	hypo	sig	chr5_1395129
chr5	1.14E+08	114055938	+	1.084E-26	4.83052E-25	0.281491	hyper	sig	chr5_114055938
chr15	41894320	41894320	+	1.089E-26	4.85013E-25	-0.21526	hypo	sig	chr15_41894320
chr10	49397661	49397661	+	1.09E-26	4.85535E-25	0.266475	hyper	sig	chr10_49397661
chr7	2110368	2110368	+	1.091E-26	4.85858E-25	-0.23863	hypo	sig	chr7_2110368
chr1	1.19E+08	119006579	+	1.092E-26	4.86463E-25	0.207983	hyper	sig	chr1_119006579
chr2	2.18E+08	218382359	+	1.093E-26	4.86713E-25	-0.28912	hypo	sig	chr2_218382359
chr11	6413872	6413872	+	1.093E-26	4.86899E-25	-0.2619	hypo	sig	chr11_6413872
chr3	1.88E+08	187670437	+	1.099E-26	4.89569E-25	0.239212	hyper	sig	chr3_187670437
chr2	1.81E+08	181457056	+	1.102E-26	4.90745E-25	0.249184	hyper	sig	chr2_181457056
chr5	1.79E+08	179138893	+	1.111E-26	4.94639E-25	-0.2204	hypo	sig	chr5_179138893
chr1	32881606	32881606	+	1.115E-26	4.96361E-25	-0.2741	hypo	sig	chr1_32881606
chr6	27495519	27495519	+	1.116E-26	4.96872E-25	0.219824	hyper	sig	chr6_27495519
chr1	2.03E+08	203049979	+	1.117E-26	4.97576E-25	-0.2614	hypo	sig	chr1_203049979
chr19	49133002	49133002	+	1.118E-26	4.97848E-25	0.287551	hyper	sig	chr19_49133002
chr5	1.41E+08	141370508	+	1.118E-26	4.97848E-25	0.378779	hyper	sig	chr5_141370508
chr5	1662649	1662649	+	1.123E-26	5.00114E-25	-0.28488	hypo	sig	chr5_1662649
chr6	10389817	10389817	+	1.125E-26	5.00878E-25	0.346657	hyper	sig	chr6_10389817
chr1	1.47E+08	147072621	+	1.126E-26	5.01193E-25	0.230749	hyper	sig	chr1_147072621
chr16	57667549	57667549	+	1.127E-26	5.01557E-25	-0.27875	hypo	sig	chr16_57667549
chr2	44932519	44932519	+	1.135E-26	5.05192E-25	0.236107	hyper	sig	chr2_44932519

chr4	1405762	1405762	+	1.148E-26	5.10819E-25	0.253381	hyper	sig	chr4_1405762
chr16	3189253	3189253	+	1.152E-26	5.1263E-25	0.214994	hyper	sig	chr16_3189253
chr16	88393254	88393254	+	1.154E-26	5.13277E-25	-0.22177	hypo	sig	chr16_88393254
chr16	1543391	1543391	+	1.155E-26	5.14087E-25	-0.30754	hypo	sig	chr16_1543391
chr3	1.88E+08	187696125	+	1.157E-26	5.1485E-25	-0.36028	hypo	sig	chr3_187696125
chr4	80263848	80263848	+	1.161E-26	5.16441E-25	0.268438	hyper	sig	chr4_80263848
chr1	38578468	38578468	+	1.163E-26	5.17523E-25	0.212778	hyper	sig	chr1_38578468
chr15	85793383	85793383	+	1.163E-26	5.17523E-25	-0.28398	hypo	sig	chr15_85793383
chr5	51387538	51387538	+	1.165E-26	5.18201E-25	0.235059	hyper	sig	chr5_51387538
chr1	1.45E+08	144551287	+	1.166E-26	5.18841E-25	0.287929	hyper	sig	chr1_144551287
chr17	48734153	48734153	+	1.167E-26	5.19222E-25	0.208581	hyper	sig	chr17_48734153
chr17	83014457	83014457	+	1.171E-26	5.20822E-25	-0.23645	hypo	sig	chr17_83014457
chr11	73263015	73263015	+	1.171E-26	5.20879E-25	-0.29074	hypo	sig	chr11_73263015
chr10	1.31E+08	131310776	+	1.173E-26	5.21588E-25	0.288506	hyper	sig	chr10_131310776
chr10	1.32E+08	132204580	+	1.173E-26	5.21625E-25	-0.24619	hypo	sig	chr10_132204580
chr1	7782302	7782302	+	1.174E-26	5.21846E-25	-0.26327	hypo	sig	chr1_7782302
chr14	1.05E+08	105065677	+	1.176E-26	5.22673E-25	-0.27561	hypo	sig	chr14_105065677
chr1	12063501	12063501	+	1.18E-26	5.24644E-25	0.212707	hyper	sig	chr1_12063501
chr13	1.1E+08	109784393	+	1.182E-26	5.2552E-25	-0.20956	hypo	sig	chr13_109784393
chr15	90870055	90870055	+	1.185E-26	5.26557E-25	-0.22989	hypo	sig	chr15_90870055
chr5	1732629	1732629	+	1.185E-26	5.26767E-25	-0.33374	hypo	sig	chr5_1732629
chr22	49613076	49613076	+	1.189E-26	5.28229E-25	-0.26315	hypo	sig	chr22_49613076
chr7	44219136	44219136	+	1.19E-26	5.28664E-25	-0.23993	hypo	sig	chr7_44219136
chr5	1.43E+08	143402459	+	1.194E-26	5.30439E-25	0.269966	hyper	sig	chr5_143402459
chr16	89085372	89085372	+	1.197E-26	5.32044E-25	-0.27391	hypo	sig	chr16_89085372
chr6	50843232	50843232	+	1.199E-26	5.32645E-25	0.269892	hyper	sig	chr6_50843232
chr6	98835930	98835930	+	1.2E-26	5.33241E-25	0.215812	hyper	sig	chr6_98835930
chr19	57709294	57709294	+	1.203E-26	5.34509E-25	0.270035	hyper	sig	chr19_57709294
chr12	1.24E+08	123909410	+	1.203E-26	5.34577E-25	-0.30653	hypo	sig	chr12_123909410
chr10	69569284	69569284	+	1.21E-26	5.3747E-25	0.295718	hyper	sig	chr10_69569284
chr7	1.56E+08	155787100	+	1.213E-26	5.38846E-25	0.218245	hyper	sig	chr7_155787100
chr3	1.82E+08	181726622	+	1.214E-26	5.39078E-25	0.221152	hyper	sig	chr3_181726622
chr1	1.48E+08	148310236	+	1.215E-26	5.39612E-25	0.287757	hyper	sig	chr1_148310236
chr3	1.79E+08	179450976	+	1.217E-26	5.40513E-25	0.272419	hyper	sig	chr3_179450976
chr15	26970877	26970877	+	1.218E-26	5.40802E-25	0.271807	hyper	sig	chr15_26970877
chr19	53132881	53132881	+	1.219E-26	5.41305E-25	0.291049	hyper	sig	chr19_53132881
chr13	52847534	52847534	+	1.222E-26	5.42327E-25	0.31538	hyper	sig	chr13_52847534
chr18	9912707	9912707	+	1.222E-26	5.42558E-25	-0.30544	hypo	sig	chr18_9912707
chr8	66963169	66963169	+	1.223E-26	5.42898E-25	0.258462	hyper	sig	chr8_66963169
chr2	1.92E+08	192194732	+	1.224E-26	5.43367E-25	0.224513	hyper	sig	chr2_192194732
chr17	81153551	81153551	+	1.225E-26	5.43553E-25	-0.25628	hypo	sig	chr17_81153551
chr16	3560581	3560581	+	1.225E-26	5.43602E-25	-0.32368	hypo	sig	chr16_3560581
chr2	73291574	73291574	+	1.226E-26	5.44098E-25	0.21608	hyper	sig	chr2_73291574
chr6	10887308	10887308	+	1.227E-26	5.44475E-25	0.306385	hyper	sig	chr6_10887308
chr20	56925565	56925565	+	1.238E-26	5.49139E-25	0.232238	hyper	sig	chr20_56925565
chr12	1.1E+08	109606853	+	1.24E-26	5.50278E-25	-0.33377	hypo	sig	chr12_109606853
chr13	36345737	36345737	+	1.241E-26	5.50487E-25	0.29058	hyper	sig	chr13_36345737
chr11	1.23E+08	122980385	+	1.244E-26	5.51604E-25	0.2237	hyper	sig	chr11_122980385
chr15	83283840	83283840	+	1.247E-26	5.53155E-25	0.309199	hyper	sig	chr15_83283840
chr2	74415417	74415417	+	1.248E-26	5.53415E-25	0.301785	hyper	sig	chr2_74415417
chr1	2.08E+08	207669904	+	1.249E-26	5.5396E-25	0.241405	hyper	sig	chr1_207669904
chr2	1.19E+08	118858430	+	1.249E-26	5.5396E-25	0.281401	hyper	sig	chr2_118858430
chr1	52843568	52843568	+	1.25E-26	5.54151E-25	0.35445	hyper	sig	chr1_52843568
chr10	70603431	70603431	+	1.251E-26	5.54523E-25	-0.2762	hypo	sig	chr10_70603431
chr5	1.77E+08	177328198	+	1.254E-26	5.55953E-25	-0.27939	hypo	sig	chr5_177328198
chr4	84495749	84495749	+	1.259E-26	5.5827E-25	0.267284	hyper	sig	chr4_84495749

chr7	546901	546901	+	1.262E-26	5.5942E-25	-0.26101	hypo	sig	chr7_546901
chr17	76000373	76000373	+	1.263E-26	5.59683E-25	-0.30083	hypo	sig	chr17_76000373
chr16	89154272	89154272	+	1.263E-26	5.59824E-25	-0.25153	hypo	sig	chr16_89154272
chr2	1.81E+08	181461225	+	1.266E-26	5.61124E-25	-0.30583	hypo	sig	chr2_181461225
chr13	78596820	78596820	+	1.269E-26	5.62226E-25	0.248957	hyper	sig	chr13_78596820
chr8	55939694	55939694	+	1.269E-26	5.62437E-25	0.271202	hyper	sig	chr8_55939694
chr17	75784206	75784206	+	1.271E-26	5.63125E-25	-0.21905	hypo	sig	chr17_75784206
chr6	31889183	31889183	+	1.274E-26	5.64628E-25	-0.30798	hypo	sig	chr6_31889183
chr13	35475243	35475243	+	1.275E-26	5.64942E-25	0.239791	hyper	sig	chr13_35475243
chr17	17445726	17445726	+	1.276E-26	5.6535E-25	-0.25118	hypo	sig	chr17_17445726
chr18	59273188	59273188	+	1.286E-26	5.69585E-25	0.274799	hyper	sig	chr18_59273188
chr10	50024864	50024864	+	1.286E-26	5.69615E-25	0.233622	hyper	sig	chr10_50024864
chr2	1.3E+08	130006036	+	1.287E-26	5.70113E-25	0.266383	hyper	sig	chr2_130006036
chr1	1.81E+08	181483703	+	1.289E-26	5.70884E-25	0.240562	hyper	sig	chr1_181483703
chr17	82321190	82321190	+	1.289E-26	5.70984E-25	-0.29635	hypo	sig	chr17_82321190
chr10	1.01E+08	101136862	+	1.293E-26	5.72422E-25	0.213395	hyper	sig	chr10_101136862
chr7	1.44E+08	143885408	+	1.293E-26	5.72652E-25	0.350485	hyper	sig	chr7_143885408
chr1	2.37E+08	237041831	+	1.294E-26	5.72758E-25	0.223601	hyper	sig	chr1_237041831
chr12	6824218	6824218	+	1.297E-26	5.74112E-25	-0.25657	hypo	sig	chr12_6824218
chr12	1.14E+08	114408594	+	1.305E-26	5.77915E-25	0.261284	hyper	sig	chr12_114408594
chr10	6120812	6120812	+	1.306E-26	5.77941E-25	-0.2655	hypo	sig	chr10_6120812
chr10	1.01E+08	101226120	+	1.308E-26	5.79168E-25	0.303842	hyper	sig	chr10_101226120
chr5	10973614	10973614	+	1.31E-26	5.79966E-25	-0.25092	hypo	sig	chr5_10973614
chr4	1.21E+08	121380569	+	1.311E-26	5.80028E-25	0.282709	hyper	sig	chr4_121380569
chr8	1.33E+08	133298495	+	1.314E-26	5.81502E-25	-0.26931	hypo	sig	chr8_133298495
chr5	38846356	38846356	+	1.324E-26	5.85766E-25	0.287606	hyper	sig	chr5_38846356
chr12	75207931	75207931	+	1.326E-26	5.86729E-25	0.288888	hyper	sig	chr12_75207931
chr16	1002794	1002794	+	1.328E-26	5.87506E-25	-0.23905	hypo	sig	chr16_1002794
chr6	50843242	50843242	+	1.329E-26	5.87955E-25	0.270134	hyper	sig	chr6_50843242
chr8	22987314	22987314	+	1.329E-26	5.87955E-25	-0.26549	hypo	sig	chr8_22987314
chr19	50608155	50608155	+	1.333E-26	5.89807E-25	0.266067	hyper	sig	chr19_50608155
chr5	31855274	31855274	+	1.341E-26	5.93112E-25	0.284107	hyper	sig	chr5_31855274
chr7	64877531	64877531	+	1.347E-26	5.95809E-25	0.318822	hyper	sig	chr7_64877531
chr20	1002160	1002160	+	1.35E-26	5.97216E-25	0.215714	hyper	sig	chr20_1002160
chr11	32431051	32431051	+	1.351E-26	5.97365E-25	0.275499	hyper	sig	chr11_32431051
chr6	1.37E+08	137494633	+	1.352E-26	5.97813E-25	0.307675	hyper	sig	chr6_137494633
chr12	1.3E+08	130449460	+	1.352E-26	5.97819E-25	-0.20836	hypo	sig	chr12_130449460
chr9	34809604	34809604	+	1.353E-26	5.98293E-25	0.273228	hyper	sig	chr9_34809604
chr12	1.33E+08	132542226	+	1.357E-26	5.9996E-25	-0.22172	hypo	sig	chr12_132542226
chr2	394299	394299	+	1.358E-26	6.0048E-25	-0.23221	hypo	sig	chr2_394299
chr7	64030771	64030771	+	1.359E-26	6.00827E-25	-0.30216	hypo	sig	chr7_64030771
chr1	63320367	63320367	+	1.36E-26	6.01329E-25	0.220504	hyper	sig	chr1_63320367
chr1	1.75E+08	175400787	+	1.36E-26	6.01403E-25	-0.28708	hypo	sig	chr1_175400787
chr3	6861589	6861589	+	1.362E-26	6.01981E-25	0.324916	hyper	sig	chr3_6861589
chr3	27730301	27730301	+	1.371E-26	6.05894E-25	0.237356	hyper	sig	chr3_27730301
chr10	1.02E+08	102240663	+	1.374E-26	6.07265E-25	0.26739	hyper	sig	chr10_102240663
chr19	861882	861882	+	1.378E-26	6.09143E-25	-0.27881	hypo	sig	chr19_861882
chr20	21511089	21511089	+	1.38E-26	6.09721E-25	0.33877	hyper	sig	chr20_21511089
chr1	1.19E+08	118990225	+	1.385E-26	6.11841E-25	0.204376	hyper	sig	chr1_118990225
chr22	41449602	41449602	+	1.389E-26	6.13534E-25	-0.31549	hypo	sig	chr22_41449602
chr11	1.32E+08	131910510	+	1.39E-26	6.14051E-25	0.268871	hyper	sig	chr11_131910510
chr5	50969839	50969839	+	1.392E-26	6.15016E-25	0.215946	hyper	sig	chr5_50969839
chr2	1.31E+08	131040450	+	1.392E-26	6.15107E-25	0.256664	hyper	sig	chr2_131040450
chr11	1.14E+08	114076323	+	1.395E-26	6.16115E-25	-0.26186	hypo	sig	chr11_114076323
chr20	21103786	21103786	+	1.399E-26	6.17752E-25	0.301094	hyper	sig	chr20_21103786
chr10	93497160	93497160	+	1.4E-26	6.18468E-25	-0.32004	hypo	sig	chr10_93497160

chr12	52244460	52244460	+	1.401E-26	6.18728E-25	-0.26715	hypo	sig	chr12_52244460
chr2	20670465	20670465	+	1.401E-26	6.18728E-25	0.260205	hyper	sig	chr2_20670465
chr7	19106932	19106932	+	1.405E-26	6.20642E-25	0.277429	hyper	sig	chr7_19106932
chr19	4556039	4556039	+	1.411E-26	6.23089E-25	-0.3407	hypo	sig	chr19_4556039
chr11	1.12E+08	112499815	+	1.413E-26	6.23886E-25	-0.27094	hypo	sig	chr11_112499815
chr20	35174872	35174872	+	1.414E-26	6.24157E-25	-0.28517	hypo	sig	chr20_35174872
chr7	27108646	27108646	+	1.414E-26	6.24504E-25	0.267362	hyper	sig	chr7_27108646
chr5	1.69E+08	169301519	+	1.417E-26	6.2548E-25	0.26823	hyper	sig	chr5_169301519
chr8	64575610	64575610	+	1.421E-26	6.27464E-25	0.268363	hyper	sig	chr8_64575610
chr12	4909420	4909420	+	1.423E-26	6.28087E-25	0.260477	hyper	sig	chr12_4909420
chr15	90004805	90004805	+	1.427E-26	6.29671E-25	-0.32118	hypo	sig	chr15_90004805
chr15	89367919	89367919	+	1.431E-26	6.31661E-25	0.253634	hyper	sig	chr15_89367919
chr14	1.05E+08	104637474	+	1.434E-26	6.327E-25	-0.33933	hypo	sig	chr14_104637474
chr16	49277937	49277937	+	1.434E-26	6.32862E-25	0.271433	hyper	sig	chr16_49277937
chr6	72621412	72621412	+	1.439E-26	6.34991E-25	0.201456	hyper	sig	chr6_72621412
chr1	1.19E+08	119006522	+	1.439E-26	6.35109E-25	0.251558	hyper	sig	chr1_119006522
chr3	1.82E+08	181703903	+	1.446E-26	6.38173E-25	0.238025	hyper	sig	chr3_181703903
chr4	7645132	7645132	+	1.451E-26	6.40075E-25	-0.26706	hypo	sig	chr4_7645132
chr8	49911798	49911798	+	1.451E-26	6.40075E-25	0.276936	hyper	sig	chr8_49911798
chr2	61889562	61889562	+	1.454E-26	6.41243E-25	-0.47656	hypo	sig	chr2_61889562
chr16	29181997	29181997	+	1.455E-26	6.41818E-25	-0.2157	hypo	sig	chr16_29181997
chr6	50716064	50716064	+	1.455E-26	6.41914E-25	0.256089	hyper	sig	chr6_50716064
chr4	13534956	13534956	+	1.462E-26	6.44865E-25	0.225687	hyper	sig	chr4_13534956
chr18	77250150	77250150	+	1.464E-26	6.45574E-25	0.218629	hyper	sig	chr18_77250150
chr12	53939508	53939508	+	1.473E-26	6.49547E-25	0.23084	hyper	sig	chr12_53939508
chr5	73298634	73298634	+	1.475E-26	6.50281E-25	0.224553	hyper	sig	chr5_73298634
chr2	1.49E+08	148876055	+	1.475E-26	6.50387E-25	0.294885	hyper	sig	chr2_148876055
chr17	44970103	44970103	+	1.475E-26	6.50391E-25	0.207239	hyper	sig	chr17_44970103
chr4	1.82E+08	182141574	+	1.477E-26	6.50947E-25	0.220423	hyper	sig	chr4_182141574
chr5	1.73E+08	173245535	+	1.492E-26	6.57644E-25	0.283433	hyper	sig	chr5_173245535
chr8	56157476	56157476	+	1.492E-26	6.57659E-25	0.283017	hyper	sig	chr8_56157476
chr6	50716045	50716045	+	1.493E-26	6.58248E-25	0.262443	hyper	sig	chr6_50716045
chr15	83285023	83285023	+	1.498E-26	6.60294E-25	0.27585	hyper	sig	chr15_83285023
chr14	28774278	28774278	+	1.503E-26	6.62395E-25	0.242744	hyper	sig	chr14_28774278
chr11	1.29E+08	128694194	+	1.504E-26	6.62984E-25	0.311755	hyper	sig	chr11_128694194
chr12	1.25E+08	125142174	+	1.505E-26	6.62998E-25	-0.20039	hypo	sig	chr12_125142174
chr6	28814524	28814524	+	1.507E-26	6.63827E-25	0.286458	hyper	sig	chr6_28814524
chr8	4994966	4994966	+	1.511E-26	6.65517E-25	0.274097	hyper	sig	chr8_4994966
chr11	31799856	31799856	+	1.511E-26	6.65845E-25	0.243754	hyper	sig	chr11_31799856
chr16	88436557	88436557	+	1.516E-26	6.67982E-25	-0.30646	hypo	sig	chr16_88436557
chr19	728110	728110	+	1.518E-26	6.68408E-25	-0.25963	hypo	sig	chr19_728110
chr4	40857132	40857132	+	1.518E-26	6.68615E-25	0.339554	hyper	sig	chr4_40857132
chr16	54290363	54290363	+	1.522E-26	6.7028E-25	0.247258	hyper	sig	chr16_54290363
chr1	47449975	47449975	+	1.523E-26	6.70489E-25	-0.22729	hypo	sig	chr1_47449975
chr2	2.42E+08	241891408	+	1.523E-26	6.70511E-25	-0.25119	hypo	sig	chr2_241891408
chr19	35513730	35513730	+	1.526E-26	6.71712E-25	-0.26366	hypo	sig	chr19_35513730
chr2	2.39E+08	239247131	+	1.526E-26	6.71712E-25	-0.27709	hypo	sig	chr2_239247131
chr15	99434724	99434724	+	1.529E-26	6.73019E-25	-0.32903	hypo	sig	chr15_99434724
chr6	1.63E+08	163413374	+	1.534E-26	6.75162E-25	0.225562	hyper	sig	chr6_163413374
chr11	67442540	67442540	+	1.538E-26	6.76825E-25	-0.23641	hypo	sig	chr11_67442540
chr7	37449359	37449359	+	1.538E-26	6.77095E-25	0.222031	hyper	sig	chr7_37449359
chr7	97018600	97018600	+	1.542E-26	6.78647E-25	0.328243	hyper	sig	chr7_97018600
chr6	1.69E+08	169188794	+	1.544E-26	6.7964E-25	-0.31815	hypo	sig	chr6_169188794
chr19	36791663	36791663	+	1.545E-26	6.79815E-25	0.248899	hyper	sig	chr19_36791663
chr19	52297844	52297844	+	1.547E-26	6.80996E-25	0.330229	hyper	sig	chr19_52297844
chr13	93226993	93226993	+	1.549E-26	6.81682E-25	0.333402	hyper	sig	chr13_93226993

chr7	561681	561681	+	1.551E-26	6.82395E-25	0.270834	hyper	sig	chr7_561681
chr14	28778361	28778361	+	1.555E-26	6.84148E-25	0.263234	hyper	sig	chr14_28778361
chr13	36432128	36432128	+	1.559E-26	6.86034E-25	0.277092	hyper	sig	chr13_36432128
chr4	1.74E+08	173528815	+	1.561E-26	6.86536E-25	0.257928	hyper	sig	chr4_173528815
chr6	29828625	29828625	+	1.561E-26	6.86622E-25	0.215831	hyper	sig	chr6_29828625
chr7	65269393	65269393	+	1.562E-26	6.86946E-25	0.25087	hyper	sig	chr7_65269393
chr8	1.41E+08	141245257	+	1.564E-26	6.87977E-25	-0.24605	hypo	sig	chr8_141245257
chr2	2.22E+08	222297293	+	1.565E-26	6.88495E-25	0.267401	hyper	sig	chr2_222297293
chr2	1.32E+08	132257111	+	1.568E-26	6.89536E-25	0.31008	hyper	sig	chr2_132257111
chr10	99530527	99530527	+	1.573E-26	6.91817E-25	0.247933	hyper	sig	chr10_99530527
chr1	6146272	6146272	+	1.577E-26	6.93303E-25	-0.32697	hypo	sig	chr1_6146272
chr2	80322891	80322891	+	1.578E-26	6.94027E-25	0.226928	hyper	sig	chr2_80322891
chr8	64379146	64379146	+	1.578E-26	6.94027E-25	0.27055	hyper	sig	chr8_64379146
chr12	1.07E+08	106585477	+	1.581E-26	6.94945E-25	0.279982	hyper	sig	chr12_106585477
chr19	57321018	57321018	+	1.582E-26	6.95593E-25	0.277096	hyper	sig	chr19_57321018
chr7	1.42E+08	142345522	+	1.587E-26	6.97771E-25	-0.25616	hypo	sig	chr7_142345522
chr8	53877032	53877032	+	1.588E-26	6.97911E-25	0.374435	hyper	sig	chr8_53877032
chr1	44409005	44409005	+	1.589E-26	6.98592E-25	0.230713	hyper	sig	chr1_44409005
chr14	28778522	28778522	+	1.589E-26	6.98592E-25	0.236902	hyper	sig	chr14_28778522
chr3	1.3E+08	129975194	+	1.595E-26	7.01269E-25	0.298789	hyper	sig	chr3_129975194
chr12	48198704	48198704	+	1.596E-26	7.01633E-25	0.22933	hyper	sig	chr12_48198704
chr3	1.27E+08	126520271	+	1.598E-26	7.02206E-25	-0.21604	hypo	sig	chr3_126520271
chr20	46058472	46058472	+	1.602E-26	7.04011E-25	0.246198	hyper	sig	chr20_46058472
chr12	53973151	53973151	+	1.602E-26	7.04049E-25	0.280653	hyper	sig	chr12_53973151
chr11	7963467	7963467	+	1.604E-26	7.04632E-25	-0.26097	hypo	sig	chr11_7963467
chr7	97022036	97022036	+	1.604E-26	7.05009E-25	0.306457	hyper	sig	chr7_97022036
chr13	1.12E+08	112056524	+	1.605E-26	7.05301E-25	0.305355	hyper	sig	chr13_112056524
chr19	403842	403842	+	1.606E-26	7.05531E-25	-0.24906	hypo	sig	chr19_403842
chr4	21304251	21304251	+	1.615E-26	7.09351E-25	0.238895	hyper	sig	chr4_21304251
chr6	1.68E+08	167720567	+	1.615E-26	7.09406E-25	0.342429	hyper	sig	chr6_167720567
chr7	986589	986589	+	1.616E-26	7.09836E-25	-0.22335	hypo	sig	chr7_986589
chr6	28447008	28447008	+	1.62E-26	7.11431E-25	0.258691	hyper	sig	chr6_28447008
chr5	1.41E+08	141410090	+	1.62E-26	7.1153E-25	0.270018	hyper	sig	chr5_141410090
chr16	66579130	66579130	+	1.621E-26	7.11723E-25	0.219497	hyper	sig	chr16_66579130
chr17	76000245	76000245	+	1.621E-26	7.1179E-25	-0.22347	hypo	sig	chr17_76000245
chr10	1.33E+08	132701131	+	1.626E-26	7.14108E-25	-0.21714	hypo	sig	chr10_132701131
chr9	971743	971743	+	1.629E-26	7.15263E-25	0.304881	hyper	sig	chr9_971743
chr19	43624086	43624086	+	1.629E-26	7.153E-25	-0.38284	hypo	sig	chr19_43624086
chr12	1.32E+08	132329036	+	1.63E-26	7.15452E-25	0.276357	hyper	sig	chr12_132329036
chr5	1.73E+08	173246177	+	1.631E-26	7.1593E-25	0.249383	hyper	sig	chr5_173246177
chr6	7468572	7468572	+	1.634E-26	7.17444E-25	-0.32503	hypo	sig	chr6_7468572
chr2	1.19E+08	119432455	+	1.635E-26	7.17659E-25	-0.29453	hypo	sig	chr2_119432455
chr8	98947275	98947275	+	1.637E-26	7.18354E-25	0.228014	hyper	sig	chr8_98947275
chr2	86790321	86790321	+	1.637E-26	7.18658E-25	0.264404	hyper	sig	chr2_86790321
chr17	4785987	4785987	+	1.639E-26	7.19334E-25	0.312801	hyper	sig	chr17_4785987
chr8	96159513	96159513	+	1.642E-26	7.20662E-25	0.279474	hyper	sig	chr8_96159513
chr11	1.27E+08	126991154	+	1.646E-26	7.22144E-25	-0.2013	hypo	sig	chr11_126991154
chr1	1.48E+08	148318315	+	1.647E-26	7.22916E-25	0.341411	hyper	sig	chr1_148318315
chr8	13566575	13566575	+	1.648E-26	7.23252E-25	0.270388	hyper	sig	chr8_13566575
chr12	1.24E+08	124453947	+	1.656E-26	7.26534E-25	-0.21064	hypo	sig	chr12_124453947
chr4	3596012	3596012	+	1.661E-26	7.28904E-25	-0.21398	hypo	sig	chr4_3596012
chr10	23173233	23173233	+	1.662E-26	7.29118E-25	0.304764	hyper	sig	chr10_23173233
chr11	17720955	17720955	+	1.664E-26	7.29991E-25	0.31908	hyper	sig	chr11_17720955
chr1	1.19E+08	119006582	+	1.664E-26	7.30076E-25	0.200789	hyper	sig	chr1_119006582
chr8	68330782	68330782	+	1.667E-26	7.31234E-25	0.321944	hyper	sig	chr8_68330782
chr2	2.41E+08	240672585	+	1.669E-26	7.31914E-25	0.224116	hyper	sig	chr2_240672585

chr16	55330940	55330940	+	1.669E-26	7.3207E-25	0.305368	hyper	sig	chr16_55330940
chr14	26598459	26598459	+	1.674E-26	7.34091E-25	0.28255	hyper	sig	chr14_26598459
chr1	1.21E+08	121117974	+	1.676E-26	7.35187E-25	0.237064	hyper	sig	chr1_121117974
chr10	22345160	22345160	+	1.677E-26	7.35211E-25	0.203268	hyper	sig	chr10_22345160
chr21	18245803	18245803	+	1.678E-26	7.3588E-25	0.260526	hyper	sig	chr21_18245803
chr7	1.37E+08	136871070	+	1.683E-26	7.38167E-25	0.292367	hyper	sig	chr7_136871070
chr3	198426	198426	+	1.686E-26	7.39418E-25	0.308166	hyper	sig	chr3_198426
chr16	88919292	88919292	+	1.689E-26	7.40349E-25	-0.25235	hypo	sig	chr16_88919292
chr13	1.13E+08	112892022	+	1.702E-26	7.459E-25	-0.2546	hypo	sig	chr13_112892022
chr3	13637568	13637568	+	1.707E-26	7.48173E-25	-0.21185	hypo	sig	chr3_13637568
chr12	57727767	57727767	+	1.708E-26	7.48561E-25	0.302023	hyper	sig	chr12_57727767
chr18	59265055	59265055	+	1.709E-26	7.49189E-25	0.308163	hyper	sig	chr18_59265055
chr19	53308757	53308757	+	1.712E-26	7.50343E-25	0.273805	hyper	sig	chr19_53308757
chr4	1.74E+08	173528938	+	1.714E-26	7.5097E-25	0.310781	hyper	sig	chr4_173528938
chr15	93416122	93416122	+	1.717E-26	7.5252E-25	-0.31603	hypo	sig	chr15_93416122
chr19	3785852	3785852	+	1.719E-26	7.53135E-25	0.267238	hyper	sig	chr19_3785852
chr8	26049242	26049242	+	1.72E-26	7.53747E-25	0.250981	hyper	sig	chr8_26049242
chr11	72244082	72244082	+	1.723E-26	7.54674E-25	0.229765	hyper	sig	chr11_72244082
chr12	4909858	4909858	+	1.726E-26	7.55996E-25	0.257057	hyper	sig	chr12_4909858
chr4	9781267	9781267	+	1.728E-26	7.56804E-25	0.307371	hyper	sig	chr4_9781267
chr13	57632947	57632947	+	1.729E-26	7.57401E-25	0.3064	hyper	sig	chr13_57632947
chr10	1.2E+08	120456405	+	1.745E-26	7.64166E-25	0.219766	hyper	sig	chr10_120456405
chr1	2.01E+08	201378376	+	1.749E-26	7.65766E-25	-0.21599	hypo	sig	chr1_201378376
chr21	41687537	41687537	+	1.751E-26	7.67023E-25	-0.25544	hypo	sig	chr21_41687537
chr8	52939784	52939784	+	1.756E-26	7.68904E-25	0.368867	hyper	sig	chr8_52939784
chr20	62711892	62711892	+	1.756E-26	7.68913E-25	-0.26806	hypo	sig	chr20_62711892
chr6	16345823	16345823	+	1.757E-26	7.69214E-25	-0.27079	hypo	sig	chr6_16345823
chr19	641881	641881	+	1.762E-26	7.713E-25	-0.25788	hypo	sig	chr19_641881
chr19	35513797	35513797	+	1.763E-26	7.71727E-25	-0.2986	hypo	sig	chr19_35513797
chr6	34134370	34134370	+	1.767E-26	7.73585E-25	-0.23037	hypo	sig	chr6_34134370
chr8	1377679	1377679	+	1.769E-26	7.74209E-25	-0.23454	hypo	sig	chr8_1377679
chr9	1.36E+08	135693911	+	1.776E-26	7.77411E-25	-0.30873	hypo	sig	chr9_135693911
chr17	16690275	16690275	+	1.777E-26	7.77931E-25	0.230964	hyper	sig	chr17_16690275
chr1	1.81E+08	181318629	+	1.779E-26	7.78458E-25	0.258089	hyper	sig	chr1_181318629
chr2	2.41E+08	240520132	+	1.781E-26	7.79567E-25	0.272449	hyper	sig	chr2_240520132
chr4	5051362	5051362	+	1.782E-26	7.79696E-25	0.313119	hyper	sig	chr4_5051362
chr19	12195471	12195471	+	1.786E-26	7.81488E-25	0.281311	hyper	sig	chr19_12195471
chr11	94401064	94401064	+	1.787E-26	7.81764E-25	0.289097	hyper	sig	chr11_94401064
chr2	1.82E+08	181684687	+	1.787E-26	7.81827E-25	0.221588	hyper	sig	chr2_181684687
chr7	1E+08	100177915	+	1.787E-26	7.81932E-25	0.272377	hyper	sig	chr7_100177915
chr14	1.04E+08	104163770	+	1.787E-26	7.81999E-25	-0.24363	hypo	sig	chr14_104163770
chr10	25933912	25933912	+	1.788E-26	7.82259E-25	0.270589	hyper	sig	chr10_25933912
chr6	10418921	10418921	+	1.799E-26	7.87122E-25	0.289907	hyper	sig	chr6_10418921
chr11	1.16E+08	116345492	+	1.802E-26	7.88268E-25	-0.35292	hypo	sig	chr11_116345492
chr1	1.19E+08	119000006	+	1.803E-26	7.88487E-25	0.240482	hyper	sig	chr1_119000006
chr12	53936096	53936096	+	1.807E-26	7.90352E-25	0.340939	hyper	sig	chr12_53936096
chr14	56810460	56810460	+	1.807E-26	7.90458E-25	0.234153	hyper	sig	chr14_56810460
chr13	36345851	36345851	+	1.809E-26	7.91105E-25	0.40679	hyper	sig	chr13_36345851
chr14	1.01E+08	101029312	+	1.816E-26	7.94197E-25	-0.22317	hypo	sig	chr14_101029312
chr8	71558137	71558137	+	1.822E-26	7.9671E-25	0.229221	hyper	sig	chr8_71558137
chr5	58582513	58582513	+	1.824E-26	7.9752E-25	0.204263	hyper	sig	chr5_58582513
chr16	1023532	1023532	+	1.826E-26	7.98031E-25	-0.20165	hypo	sig	chr16_1023532
chr5	1.51E+08	150640776	+	1.827E-26	7.9852E-25	-0.25693	hypo	sig	chr5_150640776
chr8	56445703	56445703	+	1.827E-26	7.98735E-25	0.232636	hyper	sig	chr8_56445703
chr5	45695126	45695126	+	1.832E-26	8.00809E-25	0.307234	hyper	sig	chr5_45695126
chr16	31527625	31527625	+	1.835E-26	8.01788E-25	-0.29384	hypo	sig	chr16_31527625

chr2	1.6E+08	160271316	+	1.835E-26	8.01935E-25	-0.30075	hypo	sig	chr2_160271316
chr2	2.32E+08	231707745	+	1.837E-26	8.02718E-25	-0.2227	hypo	sig	chr2_231707745
chr2	1.31E+08	131040063	+	1.838E-26	8.0331E-25	0.259119	hyper	sig	chr2_131040063
chr1	1.08E+08	107964718	+	1.839E-26	8.03377E-25	0.204719	hyper	sig	chr1_107964718
chr5	1.71E+08	171308979	+	1.845E-26	8.06014E-25	0.353188	hyper	sig	chr5_171308979
chr16	49632101	49632101	+	1.846E-26	8.06309E-25	-0.2412	hypo	sig	chr16_49632101
chr19	46468116	46468116	+	1.851E-26	8.08435E-25	-0.36262	hypo	sig	chr19_46468116
chr2	97710098	97710098	+	1.854E-26	8.0986E-25	-0.23154	hypo	sig	chr2_97710098
chr19	58033754	58033754	+	1.861E-26	8.12869E-25	0.339286	hyper	sig	chr19_58033754
chr17	49965406	49965406	+	1.868E-26	8.15945E-25	0.202281	hyper	sig	chr17_49965406
chr20	56926010	56926010	+	1.87E-26	8.16578E-25	0.270095	hyper	sig	chr20_56926010
chr11	20596684	20596684	+	1.87E-26	8.16627E-25	0.247749	hyper	sig	chr11_20596684
chr13	27927330	27927330	+	1.877E-26	8.19472E-25	0.316757	hyper	sig	chr13_27927330
chr12	1.14E+08	114443932	+	1.882E-26	8.21807E-25	0.223227	hyper	sig	chr12_114443932
chr10	1.33E+08	133071061	+	1.882E-26	8.21834E-25	-0.25646	hypo	sig	chr10_133071061
chr20	21702861	21702861	+	1.889E-26	8.24671E-25	0.265918	hyper	sig	chr20_21702861
chr8	88328028	88328028	+	1.893E-26	8.26382E-25	0.254363	hyper	sig	chr8_88328028
chr9	19789402	19789402	+	1.898E-26	8.28419E-25	0.270712	hyper	sig	chr9_19789402
chr7	32427872	32427872	+	1.898E-26	8.28671E-25	0.272506	hyper	sig	chr7_32427872
chr17	48579302	48579302	+	1.901E-26	8.29796E-25	-0.24489	hypo	sig	chr17_48579302
chr7	27110608	27110608	+	1.902E-26	8.29961E-25	0.267213	hyper	sig	chr7_27110608
chr4	13535034	13535034	+	1.905E-26	8.31446E-25	0.27252	hyper	sig	chr4_13535034
chr6	99602979	99602979	+	1.906E-26	8.31999E-25	0.228807	hyper	sig	chr6_99602979
chr5	3596867	3596867	+	1.907E-26	8.32191E-25	0.265604	hyper	sig	chr5_3596867
chr2	1.82E+08	181682662	+	1.907E-26	8.32294E-25	0.307877	hyper	sig	chr2_181682662
chr4	5711756	5711756	+	1.908E-26	8.32678E-25	0.273171	hyper	sig	chr4_5711756
chr5	1.34E+08	134114028	+	1.909E-26	8.32844E-25	0.247868	hyper	sig	chr5_134114028
chr12	54054977	54054977	+	1.909E-26	8.33124E-25	0.308375	hyper	sig	chr12_54054977
chr15	93067557	93067557	+	1.911E-26	8.33899E-25	-0.33309	hypo	sig	chr15_93067557
chr7	1.58E+08	157768901	+	1.912E-26	8.34134E-25	-0.25186	hypo	sig	chr7_157768901
chr1	75128331	75128331	+	1.916E-26	8.35719E-25	0.306858	hyper	sig	chr1_75128331
chr13	91395154	91395154	+	1.92E-26	8.37281E-25	-0.35013	hypo	sig	chr13_91395154
chr4	1.55E+08	154743038	+	1.921E-26	8.37688E-25	0.280117	hyper	sig	chr4_154743038
chr4	4858408	4858408	+	1.925E-26	8.39406E-25	0.295183	hyper	sig	chr4_4858408
chr8	76683154	76683154	+	1.925E-26	8.39406E-25	0.286115	hyper	sig	chr8_76683154
chr20	63361179	63361179	+	1.926E-26	8.40057E-25	0.235264	hyper	sig	chr20_63361179
chr6	28810344	28810344	+	1.931E-26	8.42066E-25	0.301502	hyper	sig	chr6_28810344
chr1	2.28E+08	228464494	+	1.933E-26	8.42729E-25	0.256944	hyper	sig	chr1_228464494
chr7	96992902	96992902	+	1.933E-26	8.42729E-25	0.33796	hyper	sig	chr7_96992902
chr22	49671284	49671284	+	1.933E-26	8.42746E-25	0.268487	hyper	sig	chr22_49671284
chr3	14305944	14305944	+	1.937E-26	8.44244E-25	-0.24587	hypo	sig	chr3_14305944
chr16	81692290	81692290	+	1.939E-26	8.45245E-25	-0.22239	hypo	sig	chr16_81692290
chr6	1E+08	100469083	+	1.939E-26	8.45355E-25	0.226564	hyper	sig	chr6_100469083
chr12	1.31E+08	131042771	+	1.941E-26	8.45794E-25	-0.23344	hypo	sig	chr12_131042771
chr5	1.73E+08	173245698	+	1.941E-26	8.45928E-25	0.244445	hyper	sig	chr5_173245698
chr16	49275309	49275309	+	1.949E-26	8.49262E-25	0.248618	hyper	sig	chr16_49275309
chr2	1.82E+08	181682674	+	1.955E-26	8.51986E-25	0.299642	hyper	sig	chr2_181682674
chr3	1.47E+08	147410419	+	1.955E-26	8.51986E-25	0.272195	hyper	sig	chr3_147410419
chr8	28404374	28404374	+	1.96E-26	8.53854E-25	-0.33199	hypo	sig	chr8_28404374
chr1	20343350	20343350	+	1.964E-26	8.55663E-25	0.259004	hyper	sig	chr1_20343350
chr5	77638830	77638830	+	1.964E-26	8.55663E-25	0.277874	hyper	sig	chr5_77638830
chr8	48735144	48735144	+	1.967E-26	8.56678E-25	0.249918	hyper	sig	chr8_48735144
chr2	1.71E+08	170712792	+	1.967E-26	8.56838E-25	0.247516	hyper	sig	chr2_170712792
chr17	77801020	77801020	+	1.968E-26	8.57186E-25	-0.24526	hypo	sig	chr17_77801020
chr2	1.19E+08	118842886	+	1.969E-26	8.57594E-25	0.202842	hyper	sig	chr2_118842886
chr14	28774405	28774405	+	1.974E-26	8.59794E-25	0.211582	hyper	sig	chr14_28774405

chr12	53945517	53945517	+	1.978E-26	8.61445E-25	0.255717	hyper	sig	chr12_53945517
chr13	36297673	36297673	+	1.987E-26	8.65183E-25	0.244669	hyper	sig	chr13_36297673
chr16	87667304	87667304	+	1.989E-26	8.65979E-25	-0.24571	hypo	sig	chr16_87667304
chr10	55627751	55627751	+	1.989E-26	8.66004E-25	0.248136	hyper	sig	chr10_55627751
chr12	1.15E+08	114735908	+	1.994E-26	8.68073E-25	0.311387	hyper	sig	chr12_114735908
chr1	1.58E+08	158331248	+	1.995E-26	8.68665E-25	-0.33819	hypo	sig	chr1_158331248
chr2	1.21E+08	120560087	+	1.997E-26	8.69164E-25	-0.25834	hypo	sig	chr2_120560087
chr2	55923364	55923364	+	1.998E-26	8.69837E-25	0.210061	hyper	sig	chr2_55923364
chr10	90871395	90871395	+	2.001E-26	8.71062E-25	0.227232	hyper	sig	chr10_90871395
chr1	47450032	47450032	+	2.004E-26	8.72162E-25	-0.23749	hypo	sig	chr1_47450032
chr15	71810793	71810793	+	2.006E-26	8.73015E-25	-0.29812	hypo	sig	chr15_71810793
chr21	44425551	44425551	+	2.007E-26	8.73541E-25	-0.36349	hypo	sig	chr21_44425551
chr19	36973241	36973241	+	2.012E-26	8.75368E-25	0.273698	hyper	sig	chr19_36973241
chr17	81524592	81524592	+	2.012E-26	8.75513E-25	-0.23352	hypo	sig	chr17_81524592
chr1	1.47E+08	147078982	+	2.013E-26	8.75583E-25	0.229882	hyper	sig	chr1_147078982
chr11	31799102	31799102	+	2.015E-26	8.76551E-25	0.20347	hyper	sig	chr11_31799102
chr16	2163784	2163784	+	2.018E-26	8.77708E-25	-0.23229	hypo	sig	chr16_2163784
chr7	97018146	97018146	+	2.023E-26	8.8008E-25	0.200963	hyper	sig	chr7_97018146
chr17	78665985	78665985	+	2.024E-26	8.80434E-25	-0.33199	hypo	sig	chr17_78665985
chr20	23048401	23048401	+	2.025E-26	8.8088E-25	0.228242	hyper	sig	chr20_23048401
chr7	1.46E+08	146115711	+	2.026E-26	8.81315E-25	0.370634	hyper	sig	chr7_146115711
chr6	1.67E+08	166691189	+	2.027E-26	8.81333E-25	-0.36682	hypo	sig	chr6_166691189
chr7	1.42E+08	141790110	+	2.027E-26	8.81355E-25	-0.32617	hypo	sig	chr7_141790110
chr17	4785985	4785985	+	2.027E-26	8.81602E-25	0.312448	hyper	sig	chr17_4785985
chr10	55630171	55630171	+	2.038E-26	8.86132E-25	0.328704	hyper	sig	chr10_55630171
chr6	1.68E+08	168356607	+	2.043E-26	8.88104E-25	-0.21126	hypo	sig	chr6_168356607
chr2	1.75E+08	174730103	+	2.044E-26	8.88768E-25	0.262914	hyper	sig	chr2_174730103
chr5	1662612	1662612	+	2.05E-26	8.91038E-25	-0.25629	hypo	sig	chr5_1662612
chr4	7983511	7983511	+	2.051E-26	8.91587E-25	0.250846	hyper	sig	chr4_7983511
chr13	20946255	20946255	+	2.051E-26	8.91747E-25	0.325365	hyper	sig	chr13_20946255
chr13	25096027	25096027	+	2.054E-26	8.92682E-25	0.302694	hyper	sig	chr13_25096027
chr12	4809796	4809796	+	2.057E-26	8.94173E-25	0.2024	hyper	sig	chr12_4809796
chr7	1.59E+08	158995471	+	2.06E-26	8.95514E-25	-0.27203	hypo	sig	chr7_158995471
chr8	49911781	49911781	+	2.063E-26	8.96453E-25	0.268862	hyper	sig	chr8_49911781
chr19	15189405	15189405	+	2.073E-26	9.00871E-25	-0.29309	hypo	sig	chr19_15189405
chr8	56446220	56446220	+	2.075E-26	9.01728E-25	0.387453	hyper	sig	chr8_56446220
chr1	20724091	20724091	+	2.085E-26	9.05904E-25	-0.25503	hypo	sig	chr1_20724091
chr14	41605440	41605440	+	2.085E-26	9.06032E-25	0.211403	hyper	sig	chr14_41605440
chr17	83075703	83075703	+	2.087E-26	9.06782E-25	-0.31647	hypo	sig	chr17_83075703
chr6	50843218	50843218	+	2.091E-26	9.08399E-25	0.264993	hyper	sig	chr6_50843218
chr10	1.33E+08	132685968	+	2.093E-26	9.09162E-25	-0.24656	hypo	sig	chr10_132685968
chr16	29311096	29311096	+	2.096E-26	9.10494E-25	-0.37609	hypo	sig	chr16_29311096
chr8	66963260	66963260	+	2.097E-26	9.10776E-25	0.298296	hyper	sig	chr8_66963260
chr1	2879677	2879677	+	2.097E-26	9.10812E-25	-0.22742	hypo	sig	chr1_2879677
chr6	98843501	98843501	+	2.104E-26	9.13944E-25	0.211299	hyper	sig	chr6_98843501
chr14	60511445	60511445	+	2.11E-26	9.16402E-25	0.215255	hyper	sig	chr14_60511445
chr13	27923322	27923322	+	2.117E-26	9.1921E-25	0.288518	hyper	sig	chr13_27923322
chr13	36432237	36432237	+	2.123E-26	9.21968E-25	0.268944	hyper	sig	chr13_36432237
chr3	1.73E+08	173141127	+	2.124E-26	9.22195E-25	-0.25698	hypo	sig	chr3_173141127
chr5	1.71E+08	171316904	+	2.125E-26	9.22693E-25	0.299113	hyper	sig	chr5_171316904
chr21	26572811	26572811	+	2.127E-26	9.23384E-25	0.250849	hyper	sig	chr21_26572811
chr2	2.39E+08	239275181	+	2.139E-26	9.28426E-25	-0.25469	hypo	sig	chr2_239275181
chr19	58581344	58581344	+	2.14E-26	9.29099E-25	0.235081	hyper	sig	chr19_58581344
chr17	74351786	74351786	+	2.141E-26	9.29155E-25	0.336856	hyper	sig	chr17_74351786
chr10	1341806	1341806	+	2.147E-26	9.31715E-25	-0.23512	hypo	sig	chr10_1341806
chr7	1.56E+08	155803704	+	2.147E-26	9.31715E-25	0.279128	hyper	sig	chr7_155803704

chr5	1.36E+08	135930888	+	2.147E-26	9.31804E-25	0.237813	hyper	sig	chr5_135930888
chr5	1.41E+08	141430938	+	2.149E-26	9.32419E-25	0.21687	hyper	sig	chr5_141430938
chr19	23002761	23002761	+	2.155E-26	9.34953E-25	0.336713	hyper	sig	chr19_23002761
chr3	62378362	62378362	+	2.155E-26	9.35063E-25	0.21358	hyper	sig	chr3_62378362
chr1	75130651	75130651	+	2.158E-26	9.36253E-25	0.27802	hyper	sig	chr1_75130651
chr20	25082116	25082116	+	2.163E-26	9.38278E-25	0.249891	hyper	sig	chr20_25082116
chr16	81692279	81692279	+	2.169E-26	9.40737E-25	-0.23814	hypo	sig	chr16_81692279
chr11	520991	520991	+	2.172E-26	9.42201E-25	-0.2338	hypo	sig	chr11_520991
chr8	1.34E+08	134478544	+	2.175E-26	9.4328E-25	-0.22236	hypo	sig	chr8_134478544
chr16	87604926	87604926	+	2.177E-26	9.44453E-25	-0.2692	hypo	sig	chr16_87604926
chr4	1.66E+08	165874105	+	2.18E-26	9.45486E-25	0.255211	hyper	sig	chr4_165874105
chr10	27745159	27745159	+	2.18E-26	9.45496E-25	0.309306	hyper	sig	chr10_27745159
chr11	686713	686713	+	2.187E-26	9.48534E-25	0.235082	hyper	sig	chr11_686713
chr19	22422309	22422309	+	2.2E-26	9.53949E-25	0.255828	hyper	sig	chr19_22422309
chr13	23680230	23680230	+	2.201E-26	9.5429E-25	-0.30444	hypo	sig	chr13_23680230
chr16	1002545	1002545	+	2.202E-26	9.54655E-25	-0.2325	hypo	sig	chr16_1002545
chr11	1410594	1410594	+	2.206E-26	9.56304E-25	-0.20728	hypo	sig	chr11_1410594
chr6	10382505	10382505	+	2.209E-26	9.5779E-25	0.276037	hyper	sig	chr6_10382505
chr12	1.31E+08	131088987	+	2.211E-26	9.58732E-25	-0.2517	hypo	sig	chr12_131088987
chr13	24932079	24932079	+	2.217E-26	9.60984E-25	0.25349	hyper	sig	chr13_24932079
chr6	1.68E+08	167815759	+	2.22E-26	9.62309E-25	-0.26055	hypo	sig	chr6_167815759
chr11	79438324	79438324	+	2.227E-26	9.6524E-25	0.268312	hyper	sig	chr11_79438324
chr1	1.57E+08	156657309	+	2.228E-26	9.65614E-25	0.368087	hyper	sig	chr1_156657309
chr13	70107887	70107887	+	2.235E-26	9.6887E-25	0.310379	hyper	sig	chr13_70107887
chr15	89409683	89409683	+	2.238E-26	9.69917E-25	0.246104	hyper	sig	chr15_89409683
chr8	11703254	11703254	+	2.242E-26	9.71515E-25	0.200826	hyper	sig	chr8_11703254
chr3	1.54E+08	154429082	+	2.246E-26	9.73123E-25	0.245067	hyper	sig	chr3_154429082
chr17	35487822	35487822	+	2.246E-26	9.73371E-25	0.204875	hyper	sig	chr17_35487822
chr13	1.1E+08	109781310	+	2.25E-26	9.74756E-25	-0.28213	hypo	sig	chr13_109781310
chr4	13535009	13535009	+	2.253E-26	9.76169E-25	0.256593	hyper	sig	chr4_13535009
chr15	79090792	79090792	+	2.265E-26	9.81365E-25	0.342903	hyper	sig	chr15_79090792
chr3	55483083	55483083	+	2.271E-26	9.8383E-25	0.239886	hyper	sig	chr3_55483083
chr2	1.19E+08	118849556	+	2.272E-26	9.84302E-25	0.223316	hyper	sig	chr2_118849556
chr5	1.81E+08	181173922	+	2.274E-26	9.84974E-25	0.207406	hyper	sig	chr5_181173922
chr14	56810487	56810487	+	2.277E-26	9.86111E-25	0.236462	hyper	sig	chr14_56810487
chr6	1.69E+08	169188761	+	2.294E-26	9.93754E-25	-0.28769	hypo	sig	chr6_169188761
chr6	1.34E+08	134176520	+	2.296E-26	9.94419E-25	0.253073	hyper	sig	chr6_134176520
chr16	684817	684817	+	2.305E-26	9.98416E-25	-0.25702	hypo	sig	chr16_684817
chr8	58146117	58146117	+	2.307E-26	9.98886E-25	0.279182	hyper	sig	chr8_58146117
chr2	3059464	3059464	+	2.307E-26	9.98929E-25	-0.28186	hypo	sig	chr2_3059464
chr11	1.23E+08	122977795	+	2.309E-26	9.99971E-25	0.270037	hyper	sig	chr11_122977795
chr12	48198770	48198770	+	2.312E-26	1.00087E-24	0.235375	hyper	sig	chr12_48198770
chr5	1.75E+08	175443965	+	2.312E-26	1.00114E-24	0.238245	hyper	sig	chr5_175443965
chr7	1.56E+08	155787136	+	2.315E-26	1.00208E-24	0.224779	hyper	sig	chr7_155787136
chr21	44709332	44709332	+	2.324E-26	1.00604E-24	0.263871	hyper	sig	chr21_44709332
chr12	53952039	53952039	+	2.325E-26	1.00627E-24	0.211923	hyper	sig	chr12_53952039
chr19	53255056	53255056	+	2.332E-26	1.00921E-24	0.283136	hyper	sig	chr19_53255056
chr4	1.09E+08	109302674	+	2.337E-26	1.01147E-24	0.245808	hyper	sig	chr4_109302674
chr12	1.32E+08	132434126	+	2.338E-26	1.01179E-24	-0.23393	hypo	sig	chr12_132434126
chr7	50303695	50303695	+	2.339E-26	1.01212E-24	0.244703	hyper	sig	chr7_50303695
chr4	787344	787344	+	2.346E-26	1.01516E-24	-0.26245	hypo	sig	chr4_787344
chr1	1204223	1204223	+	2.348E-26	1.01605E-24	-0.24781	hypo	sig	chr1_1204223
chr5	1207200	1207200	+	2.349E-26	1.01638E-24	-0.3598	hypo	sig	chr5_1207200
chr22	49671297	49671297	+	2.35E-26	1.01685E-24	0.281292	hyper	sig	chr22_49671297
chr7	1.28E+08	128201534	+	2.353E-26	1.01783E-24	0.328404	hyper	sig	chr7_128201534
chr6	1.5E+08	149965325	+	2.354E-26	1.01824E-24	0.206262	hyper	sig	chr6_149965325

chr19	21851621	21851621	+	2.358E-26	1.01984E-24	0.247911	hyper	sig	chr19_21851621
chr7	1.3E+08	130491575	+	2.359E-26	1.02013E-24	0.208237	hyper	sig	chr7_130491575
chr1	1.11E+08	111271090	+	2.359E-26	1.02027E-24	0.275484	hyper	sig	chr1_111271090
chr10	23174404	23174404	+	2.361E-26	1.02091E-24	0.215033	hyper	sig	chr10_23174404
chr7	1513514	1513514	+	2.363E-26	1.02181E-24	-0.28875	hypo	sig	chr7_1513514
chr7	1.01E+08	100602380	+	2.363E-26	1.02192E-24	-0.26296	hypo	sig	chr7_100602380
chr3	1.33E+08	133038979	+	2.365E-26	1.02245E-24	0.257078	hyper	sig	chr3_133038979
chr5	1.41E+08	141224819	+	2.365E-26	1.02251E-24	0.279182	hyper	sig	chr5_141224819
chr3	1.47E+08	147388702	+	2.367E-26	1.02337E-24	0.227949	hyper	sig	chr3_147388702
chr6	32051265	32051265	+	2.37E-26	1.0247E-24	-0.21587	hypo	sig	chr6_32051265
chr14	36659369	36659369	+	2.375E-26	1.02674E-24	0.272203	hyper	sig	chr14_36659369
chr6	2697530	2697530	+	2.375E-26	1.02679E-24	-0.23433	hypo	sig	chr6_2697530
chr1	1.44E+08	143904645	+	2.381E-26	1.02913E-24	0.281622	hyper	sig	chr1_143904645
chr2	1.82E+08	181684690	+	2.401E-26	1.03778E-24	0.216698	hyper	sig	chr2_181684690
chr20	23049644	23049644	+	2.402E-26	1.038E-24	0.227776	hyper	sig	chr20_23049644
chr13	45714397	45714397	+	2.404E-26	1.039E-24	-0.26736	hypo	sig	chr13_45714397
chr12	1.04E+08	104303811	+	2.406E-26	1.03966E-24	0.273477	hyper	sig	chr12_104303811
chr15	60395811	60395811	+	2.406E-26	1.03996E-24	-0.28049	hypo	sig	chr15_60395811
chr10	1.29E+08	128541059	+	2.407E-26	1.04017E-24	0.221399	hyper	sig	chr10_128541059
chr2	2.32E+08	231680646	+	2.414E-26	1.04319E-24	-0.29727	hypo	sig	chr2_231680646
chr8	56157487	56157487	+	2.415E-26	1.04351E-24	0.283425	hyper	sig	chr8_56157487
chr7	1.5E+08	149715204	+	2.419E-26	1.04518E-24	0.213437	hyper	sig	chr7_149715204
chr11	86195219	86195219	+	2.422E-26	1.04634E-24	-0.33155	hypo	sig	chr11_86195219
chr5	1973979	1973979	+	2.422E-26	1.04637E-24	-0.26252	hypo	sig	chr5_1973979
chr13	36130910	36130910	+	2.424E-26	1.04704E-24	0.226822	hyper	sig	chr13_36130910
chr3	1.8E+08	180037402	+	2.435E-26	1.05193E-24	0.3594	hyper	sig	chr3_180037402
chr11	20601747	20601747	+	2.436E-26	1.05227E-24	0.280355	hyper	sig	chr11_20601747
chr10	1.33E+08	133230108	+	2.452E-26	1.05899E-24	0.236262	hyper	sig	chr10_133230108
chr13	1.08E+08	107865925	+	2.453E-26	1.05951E-24	0.217949	hyper	sig	chr13_107865925
chr18	904852	904852	+	2.461E-26	1.06281E-24	0.355306	hyper	sig	chr18_904852
chr7	1.49E+08	149462320	+	2.463E-26	1.06376E-24	-0.26091	hypo	sig	chr7_149462320
chr17	56597787	56597787	+	2.471E-26	1.06704E-24	0.21788	hyper	sig	chr17_56597787
chr6	18123010	18123010	+	2.475E-26	1.0685E-24	-0.23784	hypo	sig	chr6_18123010
chr7	2662105	2662105	+	2.48E-26	1.07051E-24	-0.33182	hypo	sig	chr7_2662105
chr14	60507291	60507291	+	2.481E-26	1.07092E-24	0.347376	hyper	sig	chr14_60507291
chr2	1.19E+08	118845470	+	2.483E-26	1.07209E-24	0.31286	hyper	sig	chr2_118845470
chr2	2.19E+08	219250576	+	2.484E-26	1.07225E-24	-0.24901	hypo	sig	chr2_219250576
chr1	30725066	30725066	+	2.485E-26	1.07278E-24	-0.26217	hypo	sig	chr1_30725066
chr12	64390457	64390457	+	2.487E-26	1.07355E-24	0.218083	hyper	sig	chr12_64390457
chr3	1.47E+08	147391805	+	2.488E-26	1.07376E-24	0.284364	hyper	sig	chr3_147391805
chr8	1.43E+08	143145104	+	2.49E-26	1.07459E-24	-0.23672	hypo	sig	chr8_143145104
chr11	67452235	67452235	+	2.491E-26	1.07494E-24	-0.33685	hypo	sig	chr11_67452235
chr1	90835936	90835936	+	2.495E-26	1.07669E-24	0.301777	hyper	sig	chr1_90835936
chr10	50024981	50024981	+	2.499E-26	1.07828E-24	0.237505	hyper	sig	chr10_50024981
chr6	1.66E+08	165647903	+	2.5E-26	1.07865E-24	-0.32042	hypo	sig	chr6_165647903
chr2	5691126	5691126	+	2.502E-26	1.07917E-24	0.252332	hyper	sig	chr2_5691126
chr8	88328154	88328154	+	2.504E-26	1.08002E-24	0.248948	hyper	sig	chr8_88328154
chr4	1372675	1372675	+	2.504E-26	1.08025E-24	0.315088	hyper	sig	chr4_1372675
chr13	78607881	78607881	+	2.512E-26	1.08344E-24	0.254875	hyper	sig	chr13_78607881
chr11	20163276	20163276	+	2.514E-26	1.08417E-24	0.202444	hyper	sig	chr11_20163276
chr10	8036314	8036314	+	2.516E-26	1.0849E-24	0.370521	hyper	sig	chr10_8036314
chr4	1.64E+08	164384162	+	2.517E-26	1.08536E-24	0.267132	hyper	sig	chr4_164384162
chr1	1.67E+08	166919484	+	2.519E-26	1.08619E-24	-0.26768	hypo	sig	chr1_166919484
chr5	1.59E+08	159095419	+	2.525E-26	1.0886E-24	0.247462	hyper	sig	chr5_159095419
chr1	1014496	1014496	+	2.538E-26	1.09442E-24	-0.25545	hypo	sig	chr1_1014496
chr17	61495640	61495640	+	2.544E-26	1.09665E-24	-0.24933	hypo	sig	chr17_61495640

chr17	4785409	4785409	+	2.545E-26	1.09706E-24	0.232752	hyper	sig	chr17_4785409
chr7	2661941	2661941	+	2.55E-26	1.09927E-24	-0.29276	hypo	sig	chr7_2661941
chr6	84773276	84773276	+	2.559E-26	1.10277E-24	0.282492	hyper	sig	chr6_84773276
chr17	48607346	48607346	+	2.576E-26	1.11024E-24	-0.21964	hypo	sig	chr17_48607346
chr17	82388170	82388170	+	2.58E-26	1.11166E-24	-0.28031	hypo	sig	chr17_82388170
chr7	1.51E+08	151024563	+	2.582E-26	1.11263E-24	-0.22708	hypo	sig	chr7_151024563
chr1	75131245	75131245	+	2.586E-26	1.11432E-24	0.208507	hyper	sig	chr1_75131245
chr8	23706495	23706495	+	2.586E-26	1.11432E-24	0.265497	hyper	sig	chr8_23706495
chr1	1.81E+08	181413767	+	2.591E-26	1.11639E-24	-0.20745	hypo	sig	chr1_181413767
chr8	2232216	2232216	+	2.592E-26	1.11678E-24	-0.2498	hypo	sig	chr8_2232216
chr10	21175329	21175329	+	2.599E-26	1.11967E-24	-0.23876	hypo	sig	chr10_21175329
chr12	43552103	43552103	+	2.601E-26	1.12038E-24	0.294786	hyper	sig	chr12_43552103
chr5	1.41E+08	141387751	+	2.601E-26	1.12039E-24	0.226875	hyper	sig	chr5_141387751
chr7	1.13E+08	113084619	+	2.601E-26	1.1204E-24	-0.27803	hypo	sig	chr7_113084619
chr19	817832	817832	+	2.607E-26	1.12293E-24	-0.22423	hypo	sig	chr19_817832
chr19	40224577	40224577	+	2.611E-26	1.12448E-24	-0.35329	hypo	sig	chr19_40224577
chr7	65869553	65869553	+	2.611E-26	1.12448E-24	-0.42225	hypo	sig	chr7_65869553
chr14	97219298	97219298	+	2.615E-26	1.12626E-24	0.213998	hyper	sig	chr14_97219298
chr16	31011030	31011030	+	2.618E-26	1.12723E-24	0.25594	hyper	sig	chr16_31011030
chr17	81050287	81050287	+	2.62E-26	1.12821E-24	-0.30883	hypo	sig	chr17_81050287
chr11	1.18E+08	118079595	+	2.629E-26	1.13213E-24	-0.26111	hypo	sig	chr11_118079595
chr13	1.1E+08	110323421	+	2.633E-26	1.13376E-24	-0.30081	hypo	sig	chr13_110323421
chr1	98053867	98053867	+	2.636E-26	1.13477E-24	0.299825	hyper	sig	chr1_98053867
chr13	1.14E+08	114048499	+	2.636E-26	1.13479E-24	-0.30673	hypo	sig	chr13_114048499
chr5	1.73E+08	173234124	+	2.637E-26	1.13494E-24	0.292097	hyper	sig	chr5_173234124
chr11	2869417	2869417	+	2.641E-26	1.13683E-24	0.237573	hyper	sig	chr11_2869417
chr11	17720938	17720938	+	2.643E-26	1.13757E-24	0.330998	hyper	sig	chr11_17720938
chr15	59993521	59993521	+	2.65E-26	1.14068E-24	0.238578	hyper	sig	chr15_59993521
chr10	1.01E+08	100519904	+	2.666E-26	1.14735E-24	0.317279	hyper	sig	chr10_100519904
chr12	1.32E+08	132437842	+	2.668E-26	1.14808E-24	-0.23967	hypo	sig	chr12_132437842
chr14	97219519	97219519	+	2.672E-26	1.14985E-24	0.287058	hyper	sig	chr14_97219519
chr13	78607988	78607988	+	2.676E-26	1.15153E-24	0.296738	hyper	sig	chr13_78607988
chr11	1.16E+08	116357592	+	2.679E-26	1.15252E-24	-0.31445	hypo	sig	chr11_116357592
chr5	3591561	3591561	+	2.68E-26	1.15292E-24	0.285813	hyper	sig	chr5_3591561
chr5	1.42E+08	141752301	+	2.682E-26	1.15373E-24	-0.28408	hypo	sig	chr5_141752301
chr2	86809825	86809825	+	2.689E-26	1.15688E-24	0.331436	hyper	sig	chr2_86809825
chr15	24477797	24477797	+	2.691E-26	1.15757E-24	0.262112	hyper	sig	chr15_24477797
chr1	1.53E+08	152786279	+	2.693E-26	1.15827E-24	-0.26034	hypo	sig	chr1_152786279
chr17	82315446	82315446	+	2.703E-26	1.16244E-24	-0.27078	hypo	sig	chr17_82315446
chr3	1.97E+08	196661696	+	2.703E-26	1.16262E-24	-0.27013	hypo	sig	chr3_196661696
chr5	73298787	73298787	+	2.704E-26	1.16308E-24	0.240302	hyper	sig	chr5_73298787
chr7	143040	143040	+	2.709E-26	1.16505E-24	0.227531	hyper	sig	chr7_143040
chr8	68330792	68330792	+	2.714E-26	1.16692E-24	0.315687	hyper	sig	chr8_68330792
chr7	1.49E+08	149038929	+	2.727E-26	1.17263E-24	-0.34472	hypo	sig	chr7_149038929
chr12	1.03E+08	103302371	+	2.732E-26	1.17482E-24	0.299226	hyper	sig	chr12_103302371
chr19	1775236	1775236	+	2.739E-26	1.17778E-24	0.230397	hyper	sig	chr19_1775236
chr10	11164850	11164850	+	2.747E-26	1.18086E-24	0.271503	hyper	sig	chr10_11164850
chr12	1.13E+08	113464507	+	2.75E-26	1.18218E-24	0.244578	hyper	sig	chr12_113464507
chr9	14993553	14993553	+	2.752E-26	1.18313E-24	0.286563	hyper	sig	chr9_14993553
chr16	85621012	85621012	+	2.754E-26	1.18384E-24	-0.21895	hypo	sig	chr16_85621012
chr1	38044463	38044463	+	2.759E-26	1.18578E-24	0.23879	hyper	sig	chr1_38044463
chr1	2.07E+08	207051646	+	2.766E-26	1.18892E-24	-0.25744	hypo	sig	chr1_207051646
chr13	78594468	78594468	+	2.767E-26	1.1893E-24	0.280147	hyper	sig	chr13_78594468
chr3	1.72E+08	172449806	+	2.769E-26	1.19013E-24	0.231529	hyper	sig	chr3_172449806
chr5	80034905	80034905	+	2.778E-26	1.19393E-24	0.323835	hyper	sig	chr5_80034905
chr13	36154826	36154826	+	2.794E-26	1.20046E-24	0.269325	hyper	sig	chr13_36154826

chr14	60510553	60510553	+	2.802E-26	1.20401E-24	0.31345	hyper	sig	chr14_60510553
chr11	22432758	22432758	+	2.803E-26	1.20429E-24	0.307366	hyper	sig	chr11_22432758
chr12	64390488	64390488	+	2.816E-26	1.20991E-24	0.232823	hyper	sig	chr12_64390488
chr1	3141317	3141317	+	2.821E-26	1.21203E-24	-0.2428	hypo	sig	chr1_3141317
chr7	2079481	2079481	+	2.824E-26	1.21294E-24	-0.28782	hypo	sig	chr7_2079481
chr6	50820224	50820224	+	2.828E-26	1.21457E-24	0.248559	hyper	sig	chr6_50820224
chr17	57596465	57596465	+	2.828E-26	1.21475E-24	-0.29703	hypo	sig	chr17_57596465
chr8	1.44E+08	143940869	+	2.837E-26	1.21863E-24	-0.20104	hypo	sig	chr8_143940869
chr15	82681050	82681050	+	2.851E-26	1.2246E-24	0.329203	hyper	sig	chr15_82681050
chr20	9507207	9507207	+	2.857E-26	1.22681E-24	0.289005	hyper	sig	chr20_9507207
chr15	89360459	89360459	+	2.857E-26	1.22705E-24	0.266489	hyper	sig	chr15_89360459
chr17	44558419	44558419	+	2.86E-26	1.22801E-24	0.293212	hyper	sig	chr17_44558419
chr11	1.34E+08	133788174	+	2.862E-26	1.22903E-24	0.266237	hyper	sig	chr11_133788174
chr19	37251884	37251884	+	2.882E-26	1.2373E-24	0.290802	hyper	sig	chr19_37251884
chr10	1.3E+08	129864842	+	2.889E-26	1.24017E-24	-0.24349	hypo	sig	chr10_129864842
chr4	4034209	4034209	+	2.889E-26	1.24017E-24	-0.28291	hypo	sig	chr4_4034209
chr22	39374543	39374543	+	2.89E-26	1.24053E-24	-0.31055	hypo	sig	chr22_39374543
chr13	1.13E+08	112638438	+	2.893E-26	1.24186E-24	-0.32339	hypo	sig	chr13_112638438
chr19	345347	345347	+	2.9E-26	1.24451E-24	0.285106	hyper	sig	chr19_345347
chr6	1.5E+08	149965403	+	2.903E-26	1.24589E-24	0.295652	hyper	sig	chr6_149965403
chr20	51003998	51003998	+	2.91E-26	1.2489E-24	-0.26381	hypo	sig	chr20_51003998
chr10	1.28E+08	127735745	+	2.917E-26	1.25187E-24	0.255154	hyper	sig	chr10_127735745
chr1	13584246	13584246	+	2.918E-26	1.2522E-24	0.348639	hyper	sig	chr1_13584246
chr19	1526570	1526570	+	2.92E-26	1.25267E-24	-0.26951	hypo	sig	chr19_1526570
chr10	55627998	55627998	+	2.92E-26	1.25297E-24	0.30453	hyper	sig	chr10_55627998
chr5	1.41E+08	141415477	+	2.929E-26	1.2567E-24	0.202017	hyper	sig	chr5_141415477
chr7	27124240	27124240	+	2.932E-26	1.258E-24	0.222359	hyper	sig	chr7_27124240
chr2	1.81E+08	181458171	+	2.934E-26	1.25844E-24	0.292147	hyper	sig	chr2_181458171
chr5	1.19E+08	119355487	+	2.935E-26	1.25892E-24	-0.29499	hypo	sig	chr5_119355487
chr17	83014513	83014513	+	2.935E-26	1.25907E-24	-0.25521	hypo	sig	chr17_83014513
chr13	40534665	40534665	+	2.941E-26	1.26149E-24	-0.34215	hypo	sig	chr13_40534665
chr5	1.41E+08	140882094	+	2.949E-26	1.26484E-24	0.258355	hyper	sig	chr5_140882094
chr11	526303	526303	+	2.953E-26	1.26643E-24	-0.2751	hypo	sig	chr11_526303
chr5	33936544	33936544	+	2.96E-26	1.26954E-24	0.247031	hyper	sig	chr5_33936544
chr16	88691309	88691309	+	2.977E-26	1.2766E-24	-0.25886	hypo	sig	chr16_88691309
chr6	1.68E+08	167678731	+	2.981E-26	1.2782E-24	0.325038	hyper	sig	chr6_167678731
chr7	50402053	50402053	+	2.985E-26	1.27967E-24	-0.35114	hypo	sig	chr7_50402053
chr12	4909454	4909454	+	2.986E-26	1.28021E-24	0.289929	hyper	sig	chr12_4909454
chr15	83285096	83285096	+	2.987E-26	1.28073E-24	0.309531	hyper	sig	chr15_83285096
chr3	1.47E+08	147398206	+	2.99E-26	1.28175E-24	0.288456	hyper	sig	chr3_147398206
chr7	2110418	2110418	+	3.011E-26	1.29074E-24	-0.25147	hypo	sig	chr7_2110418
chr11	61921672	61921672	+	3.012E-26	1.29116E-24	-0.22814	hypo	sig	chr11_61921672
chr3	1.82E+08	181703767	+	3.015E-26	1.29226E-24	0.253917	hyper	sig	chr3_181703767
chr3	1.28E+08	128483770	+	3.019E-26	1.29393E-24	0.303099	hyper	sig	chr3_128483770
chr15	34754489	34754489	+	3.03E-26	1.29845E-24	0.328688	hyper	sig	chr15_34754489
chr10	1.24E+08	123973293	+	3.035E-26	1.30077E-24	0.230611	hyper	sig	chr10_123973293
chr20	21517462	21517462	+	3.042E-26	1.30349E-24	0.32642	hyper	sig	chr20_21517462
chr14	1.04E+08	104223936	+	3.044E-26	1.3045E-24	0.259454	hyper	sig	chr14_104223936
chr17	21452674	21452674	+	3.055E-26	1.3091E-24	0.257791	hyper	sig	chr17_21452674
chr5	1.41E+08	140795531	+	3.062E-26	1.31175E-24	0.326146	hyper	sig	chr5_140795531
chr11	1.12E+08	112499822	+	3.062E-26	1.31183E-24	-0.26229	hypo	sig	chr11_112499822
chr2	10162328	10162328	+	3.063E-26	1.31224E-24	-0.22008	hypo	sig	chr2_10162328
chr6	77467002	77467002	+	3.071E-26	1.3153E-24	0.330735	hyper	sig	chr6_77467002
chr16	88816735	88816735	+	3.077E-26	1.31791E-24	-0.26559	hypo	sig	chr16_88816735
chr2	1.05E+08	104856683	+	3.078E-26	1.31849E-24	0.203716	hyper	sig	chr2_104856683
chr8	64586257	64586257	+	3.081E-26	1.3197E-24	0.274228	hyper	sig	chr8_64586257

chr4	95547827	95547827	+	3.082E-26	1.31974E-24	0.320522	hyper	sig	chr4_95547827
chr17	36464774	36464774	+	3.082E-26	1.31993E-24	0.314073	hyper	sig	chr17_36464774
chr16	2956366	2956366	+	3.086E-26	1.32155E-24	-0.20957	hypo	sig	chr16_2956366
chr3	26623758	26623758	+	3.088E-26	1.32248E-24	0.222039	hyper	sig	chr3_26623758
chr14	1.01E+08	101060700	+	3.089E-26	1.32277E-24	-0.2291	hypo	sig	chr14_101060700
chr12	98745716	98745716	+	3.095E-26	1.32498E-24	0.209016	hyper	sig	chr12_98745716
chr19	48196664	48196664	+	3.097E-26	1.32587E-24	-0.29834	hypo	sig	chr19_48196664
chr1	1.19E+08	119008267	+	3.107E-26	1.33017E-24	0.285237	hyper	sig	chr1_119008267
chr7	90118785	90118785	+	3.11E-26	1.33115E-24	0.2135	hyper	sig	chr7_90118785
chr8	1.44E+08	144050442	+	3.116E-26	1.33391E-24	0.275324	hyper	sig	chr8_144050442
chr5	1.43E+08	143405663	+	3.119E-26	1.33489E-24	0.207809	hyper	sig	chr5_143405663
chr3	62368864	62368864	+	3.125E-26	1.33745E-24	0.262342	hyper	sig	chr3_62368864
chr14	76138830	76138830	+	3.128E-26	1.33891E-24	0.325587	hyper	sig	chr14_76138830
chr14	62117813	62117813	+	3.138E-26	1.34288E-24	0.269064	hyper	sig	chr14_62117813
chr7	988354	988354	+	3.146E-26	1.34622E-24	-0.2213	hypo	sig	chr7_988354
chr14	41608182	41608182	+	3.151E-26	1.34832E-24	0.416627	hyper	sig	chr14_41608182
chr19	49133008	49133008	+	3.151E-26	1.34837E-24	0.275826	hyper	sig	chr19_49133008
chr5	429776	429776	+	3.159E-26	1.35162E-24	-0.22	hypo	sig	chr5_429776
chr16	3184204	3184204	+	3.161E-26	1.35252E-24	0.326917	hyper	sig	chr16_3184204
chr20	40690839	40690839	+	3.167E-26	1.355E-24	0.255295	hyper	sig	chr20_40690839
chr3	10816720	10816720	+	3.17E-26	1.3562E-24	0.222916	hyper	sig	chr3_10816720
chr16	3236064	3236064	+	3.177E-26	1.35907E-24	-0.33166	hypo	sig	chr16_3236064
chr12	1.07E+08	106585782	+	3.177E-26	1.3591E-24	0.283456	hyper	sig	chr12_106585782
chr12	3493196	3493196	+	3.18E-26	1.35994E-24	0.232243	hyper	sig	chr12_3493196
chr16	3189268	3189268	+	3.18E-26	1.36013E-24	0.214462	hyper	sig	chr16_3189268
chr20	63361127	63361127	+	3.189E-26	1.36364E-24	0.27201	hyper	sig	chr20_63361127
chr10	11165450	11165450	+	3.189E-26	1.36377E-24	0.333272	hyper	sig	chr10_11165450
chr4	61201605	61201605	+	3.193E-26	1.36512E-24	0.311966	hyper	sig	chr4_61201605
chr2	1.72E+08	172080544	+	3.199E-26	1.36785E-24	0.235204	hyper	sig	chr2_172080544
chr4	1.47E+08	146637361	+	3.216E-26	1.37505E-24	0.320125	hyper	sig	chr4_146637361
chr11	1048687	1048687	+	3.229E-26	1.38044E-24	-0.27801	hypo	sig	chr11_1048687
chr6	27592200	27592200	+	3.23E-26	1.38075E-24	0.223204	hyper	sig	chr6_27592200
chr7	1.43E+08	142796705	+	3.232E-26	1.38158E-24	0.26019	hyper	sig	chr7_142796705
chr8	1.13E+08	113432855	+	3.239E-26	1.38414E-24	0.239051	hyper	sig	chr8_113432855
chr17	78232184	78232184	+	3.241E-26	1.38521E-24	0.244193	hyper	sig	chr17_78232184
chr13	1.02E+08	101706825	+	3.252E-26	1.38988E-24	-0.37597	hypo	sig	chr13_101706825
chr1	3125935	3125935	+	3.253E-26	1.39018E-24	-0.24987	hypo	sig	chr1_3125935
chr1	91804962	91804962	+	3.256E-26	1.39138E-24	-0.27781	hypo	sig	chr1_91804962
chr15	70584938	70584938	+	3.26E-26	1.39272E-24	-0.27856	hypo	sig	chr15_70584938
chr1	1.57E+08	156844733	+	3.263E-26	1.39412E-24	0.223344	hyper	sig	chr1_156844733
chr6	27495513	27495513	+	3.263E-26	1.39412E-24	0.21376	hyper	sig	chr6_27495513
chr19	37551315	37551315	+	3.264E-26	1.39426E-24	0.336406	hyper	sig	chr19_37551315
chr5	63962020	63962020	+	3.265E-26	1.39474E-24	0.259484	hyper	sig	chr5_63962020
chr19	41930281	41930281	+	3.268E-26	1.39595E-24	-0.27053	hypo	sig	chr19_41930281
chr13	40188108	40188108	+	3.268E-26	1.396E-24	-0.23888	hypo	sig	chr13_40188108
chr14	76138819	76138819	+	3.273E-26	1.39772E-24	0.337503	hyper	sig	chr14_76138819
chr19	18007435	18007435	+	3.279E-26	1.40044E-24	0.228273	hyper	sig	chr19_18007435
chr7	1.43E+08	142871300	+	3.281E-26	1.40132E-24	-0.29314	hypo	sig	chr7_142871300
chr10	1.01E+08	101134168	+	3.283E-26	1.40205E-24	0.311379	hyper	sig	chr10_101134168
chr1	1.13E+08	112854860	+	3.291E-26	1.40545E-24	0.31414	hyper	sig	chr1_112854860
chr2	38075353	38075353	+	3.293E-26	1.40612E-24	0.312067	hyper	sig	chr2_38075353
chr16	85642800	85642800	+	3.302E-26	1.40971E-24	-0.2732	hypo	sig	chr16_85642800
chr7	82571	82571	+	3.306E-26	1.41126E-24	-0.23417	hypo	sig	chr7_82571
chr4	1.54E+08	153789201	+	3.321E-26	1.41767E-24	0.283135	hyper	sig	chr4_153789201
chr10	1.33E+08	132591978	+	3.323E-26	1.41829E-24	-0.23522	hypo	sig	chr10_132591978
chr6	28635394	28635394	+	3.34E-26	1.42554E-24	0.209389	hyper	sig	chr6_28635394

chr1	1.55E+08	154772282	+	3.346E-26	1.42837E-24	-0.21662	hypo	sig	chr1_154772282
chr22	16602697	16602697	+	3.351E-26	1.43029E-24	0.310329	hyper	sig	chr22_16602697
chr11	733384	733384	+	3.352E-26	1.43076E-24	-0.21536	hypo	sig	chr11_733384
chr5	1176764	1176764	+	3.359E-26	1.43352E-24	-0.34669	hypo	sig	chr5_1176764
chr17	48606218	48606218	+	3.361E-26	1.43428E-24	-0.22769	hypo	sig	chr17_48606218
chr19	40568156	40568156	+	3.364E-26	1.4355E-24	0.218154	hyper	sig	chr19_40568156
chr9	1.33E+08	132986297	+	3.365E-26	1.43601E-24	-0.33861	hypo	sig	chr9_132986297
chr12	54031339	54031339	+	3.378E-26	1.44122E-24	0.29873	hyper	sig	chr12_54031339
chr19	57888803	57888803	+	3.38E-26	1.44197E-24	0.264311	hyper	sig	chr19_57888803
chr16	89817763	89817763	+	3.381E-26	1.44216E-24	-0.29885	hypo	sig	chr16_89817763
chr14	1.01E+08	100875039	+	3.384E-26	1.44335E-24	-0.2472	hypo	sig	chr14_100875039
chr12	1.14E+08	114414494	+	3.387E-26	1.44461E-24	0.304641	hyper	sig	chr12_114414494
chr4	8619634	8619634	+	3.394E-26	1.44767E-24	-0.25031	hypo	sig	chr4_8619634
chr16	1002800	1002800	+	3.399E-26	1.44956E-24	-0.23032	hypo	sig	chr16_1002800
chr2	1.54E+08	153871558	+	3.399E-26	1.44956E-24	0.259853	hyper	sig	chr2_153871558
chr17	52157983	52157983	+	3.403E-26	1.45116E-24	0.261946	hyper	sig	chr17_52157983
chr9	1.23E+08	123339071	+	3.411E-26	1.4547E-24	-0.28664	hypo	sig	chr9_123339071
chr5	1.41E+08	141423116	+	3.413E-26	1.45522E-24	0.269137	hyper	sig	chr5_141423116
chr14	28778168	28778168	+	3.413E-26	1.45545E-24	0.279244	hyper	sig	chr14_28778168
chr5	1.73E+08	173246099	+	3.423E-26	1.45939E-24	0.275992	hyper	sig	chr5_173246099
chr17	6655516	6655516	+	3.428E-26	1.46163E-24	0.224232	hyper	sig	chr17_6655516
chr7	15687826	15687826	+	3.433E-26	1.4638E-24	0.211871	hyper	sig	chr7_15687826
chr5	1.8E+08	179523854	+	3.436E-26	1.46484E-24	-0.25184	hypo	sig	chr5_179523854
chr16	3306007	3306007	+	3.442E-26	1.46707E-24	0.222258	hyper	sig	chr16_3306007
chr3	1.43E+08	143121247	+	3.444E-26	1.46772E-24	0.292598	hyper	sig	chr3_143121247
chr4	1405435	1405435	+	3.443E-26	1.46772E-24	0.283971	hyper	sig	chr4_1405435
chr6	50820246	50820246	+	3.459E-26	1.47435E-24	0.269764	hyper	sig	chr6_50820246
chr10	1.33E+08	132817198	+	3.46E-26	1.47446E-24	-0.29352	hypo	sig	chr10_132817198
chr1	1.45E+08	144567571	+	3.461E-26	1.47485E-24	0.343321	hyper	sig	chr1_144567571
chr4	3767907	3767907	+	3.475E-26	1.48099E-24	0.224771	hyper	sig	chr4_3767907
chr6	98847848	98847848	+	3.478E-26	1.48203E-24	0.203395	hyper	sig	chr6_98847848
chr7	1.49E+08	149415320	+	3.481E-26	1.4834E-24	0.292361	hyper	sig	chr7_149415320
chr7	1.54E+08	153745304	+	3.49E-26	1.48717E-24	-0.28055	hypo	sig	chr7_153745304
chr20	1565318	1565318	+	3.493E-26	1.48828E-24	-0.35703	hypo	sig	chr20_1565318
chr20	5315635	5315635	+	3.497E-26	1.48974E-24	0.258446	hyper	sig	chr20_5315635
chr4	1056458	1056458	+	3.499E-26	1.49059E-24	-0.28435	hypo	sig	chr4_1056458
chr3	55482269	55482269	+	3.501E-26	1.49131E-24	0.268245	hyper	sig	chr3_55482269
chr3	1.38E+08	137760750	+	3.505E-26	1.49315E-24	0.244234	hyper	sig	chr3_137760750
chr12	53936114	53936114	+	3.524E-26	1.50106E-24	0.313143	hyper	sig	chr12_53936114
chr12	54090562	54090562	+	3.526E-26	1.50162E-24	0.240587	hyper	sig	chr12_54090562
chr8	55939624	55939624	+	3.535E-26	1.50543E-24	0.262822	hyper	sig	chr8_55939624
chr7	44103415	44103415	+	3.544E-26	1.50909E-24	-0.23875	hypo	sig	chr7_44103415
chr2	2.32E+08	231707554	+	3.549E-26	1.51115E-24	-0.25306	hypo	sig	chr2_231707554
chr9	971490	971490	+	3.553E-26	1.51278E-24	0.310248	hyper	sig	chr9_971490
chr13	1.01E+08	101416759	+	3.553E-26	1.51292E-24	0.211357	hyper	sig	chr13_101416759
chr8	1.08E+08	108083044	+	3.554E-26	1.51322E-24	0.283454	hyper	sig	chr8_108083044
chr3	1.95E+08	195148038	+	3.572E-26	1.52055E-24	-0.25271	hypo	sig	chr3_195148038
chr11	40293787	40293787	+	3.573E-26	1.52108E-24	0.239248	hyper	sig	chr11_40293787
chr13	36151894	36151894	+	3.589E-26	1.52754E-24	-0.29007	hypo	sig	chr13_36151894
chr8	1.08E+08	108083120	+	3.601E-26	1.53281E-24	0.232583	hyper	sig	chr8_108083120
chr21	36704948	36704948	+	3.614E-26	1.53827E-24	0.293552	hyper	sig	chr21_36704948
chr4	108012	108012	+	3.617E-26	1.53922E-24	0.391298	hyper	sig	chr4_108012
chr12	1.14E+08	114444111	+	3.621E-26	1.54098E-24	0.285533	hyper	sig	chr12_114444111
chr15	24477867	24477867	+	3.627E-26	1.54335E-24	0.241166	hyper	sig	chr15_24477867
chr1	53088832	53088832	+	3.63E-26	1.54456E-24	-0.26476	hypo	sig	chr1_53088832
chr12	75209714	75209714	+	3.635E-26	1.54663E-24	0.283154	hyper	sig	chr12_75209714

chr12	1.03E+08	102824815	+	3.636E-26	1.54698E-24	0.28938	hyper	sig	chr12_102824815
chr16	88328338	88328338	+	3.643E-26	1.55004E-24	-0.27334	hypo	sig	chr16_88328338
chr14	36663395	36663395	+	3.65E-26	1.5529E-24	0.23128	hyper	sig	chr14_36663395
chr14	20625420	20625420	+	3.657E-26	1.55586E-24	0.200358	hyper	sig	chr14_20625420
chr7	1.49E+08	149415295	+	3.662E-26	1.55784E-24	0.26628	hyper	sig	chr7_149415295
chr7	35255548	35255548	+	3.664E-26	1.55861E-24	0.346643	hyper	sig	chr7_35255548
chr1	90834868	90834868	+	3.672E-26	1.56181E-24	0.220476	hyper	sig	chr1_90834868
chr19	12156622	12156622	+	3.678E-26	1.56447E-24	0.233303	hyper	sig	chr19_12156622
chr7	8441072	8441072	+	3.684E-26	1.56663E-24	0.21138	hyper	sig	chr7_8441072
chr2	38075091	38075091	+	3.692E-26	1.57012E-24	0.32262	hyper	sig	chr2_38075091
chr7	1693604	1693604	+	3.716E-26	1.5802E-24	-0.23204	hypo	sig	chr7_1693604
chr19	18007441	18007441	+	3.747E-26	1.59313E-24	0.225842	hyper	sig	chr19_18007441
chr2	1.19E+08	118849877	+	3.754E-26	1.59611E-24	0.255355	hyper	sig	chr2_118849877
chr1	75135338	75135338	+	3.759E-26	1.598E-24	0.226143	hyper	sig	chr1_75135338
chr13	25469027	25469027	+	3.759E-26	1.598E-24	0.230629	hyper	sig	chr13_25469027
chr7	1.57E+08	157004273	+	3.759E-26	1.598E-24	0.231048	hyper	sig	chr7_157004273
chr10	1.32E+08	132296325	+	3.761E-26	1.59868E-24	-0.20644	hypo	sig	chr10_132296325
chr2	1.31E+08	131040033	+	3.766E-26	1.601E-24	0.278577	hyper	sig	chr2_131040033
chr16	1533819	1533819	+	3.768E-26	1.60181E-24	0.228925	hyper	sig	chr16_1533819
chr19	41933133	41933133	+	3.782E-26	1.60747E-24	-0.28834	hypo	sig	chr19_41933133
chr2	5691074	5691074	+	3.782E-26	1.60747E-24	0.245994	hyper	sig	chr2_5691074
chr7	1.5E+08	150221142	+	3.787E-26	1.60945E-24	0.222481	hyper	sig	chr7_150221142
chr8	1.31E+08	131041599	+	3.793E-26	1.61187E-24	0.314305	hyper	sig	chr8_131041599
chr3	1.71E+08	170585428	+	3.796E-26	1.61297E-24	0.277477	hyper	sig	chr3_170585428
chr5	1.77E+08	176887230	+	3.796E-26	1.61297E-24	-0.24237	hypo	sig	chr5_176887230
chr19	17445265	17445265	+	3.803E-26	1.61599E-24	-0.3819	hypo	sig	chr19_17445265
chr8	25001504	25001504	+	3.807E-26	1.61751E-24	0.274516	hyper	sig	chr8_25001504
chr1	2E+08	200036157	+	3.828E-26	1.6262E-24	0.314953	hyper	sig	chr1_200036157
chr10	93060232	93060232	+	3.829E-26	1.62674E-24	0.263512	hyper	sig	chr10_93060232
chr4	92305828	92305828	+	3.835E-26	1.62894E-24	0.218908	hyper	sig	chr4_92305828
chr8	1.33E+08	133212571	+	3.844E-26	1.63276E-24	-0.27212	hypo	sig	chr8_133212571
chr12	54034313	54034313	+	3.849E-26	1.63474E-24	0.347268	hyper	sig	chr12_54034313
chr3	13073677	13073677	+	3.861E-26	1.63967E-24	0.235462	hyper	sig	chr3_13073677
chr6	28775826	28775826	+	3.864E-26	1.64106E-24	0.277663	hyper	sig	chr6_28775826
chr15	45378950	45378950	+	3.869E-26	1.64301E-24	0.216353	hyper	sig	chr15_45378950
chr5	1.36E+08	136030201	+	3.879E-26	1.64729E-24	-0.26208	hypo	sig	chr5_136030201
chr3	1.58E+08	158095592	+	3.885E-26	1.64941E-24	0.28406	hyper	sig	chr3_158095592
chr13	26051112	26051112	+	3.898E-26	1.65503E-24	0.308094	hyper	sig	chr13_26051112
chr13	27927067	27927067	+	3.901E-26	1.65608E-24	0.263862	hyper	sig	chr13_27927067
chr19	52336462	52336462	+	3.905E-26	1.65775E-24	0.230914	hyper	sig	chr19_52336462
chr22	16602608	16602608	+	3.906E-26	1.65808E-24	0.245918	hyper	sig	chr22_16602608
chr5	2747894	2747894	+	3.923E-26	1.66505E-24	0.271469	hyper	sig	chr5_2747894
chr5	1.14E+08	114055871	+	3.932E-26	1.66874E-24	0.271012	hyper	sig	chr5_114055871
chr7	1693621	1693621	+	3.936E-26	1.67038E-24	-0.22503	hypo	sig	chr7_1693621
chr5	1.71E+08	171308765	+	3.953E-26	1.67741E-24	0.282018	hyper	sig	chr5_171308765
chr17	48579307	48579307	+	3.954E-26	1.67768E-24	-0.24234	hypo	sig	chr17_48579307
chr6	1.08E+08	108174374	+	3.97E-26	1.68456E-24	0.292285	hyper	sig	chr6_108174374
chr13	36430522	36430522	+	3.977E-26	1.68752E-24	0.28968	hyper	sig	chr13_36430522
chr1	1.8E+08	179743976	+	3.98E-26	1.68878E-24	0.242348	hyper	sig	chr1_179743976
chr4	42152932	42152932	+	3.984E-26	1.68998E-24	0.253169	hyper	sig	chr4_42152932
chr11	69967423	69967423	+	3.984E-26	1.69017E-24	-0.2229	hypo	sig	chr11_69967423
chr4	80265641	80265641	+	3.993E-26	1.69361E-24	0.211516	hyper	sig	chr4_80265641
chr19	3785890	3785890	+	4.005E-26	1.69887E-24	0.240494	hyper	sig	chr19_3785890
chr12	48198745	48198745	+	4.007E-26	1.69932E-24	0.245415	hyper	sig	chr12_48198745
chr6	28817244	28817244	+	4.014E-26	1.70226E-24	0.224389	hyper	sig	chr6_28817244
chr8	96161494	96161494	+	4.015E-26	1.70279E-24	0.206115	hyper	sig	chr8_96161494

chr11	67464480	67464480	+	4.022E-26	1.70544E-24	-0.25526	hypo	sig	chr11_67464480
chr17	82710850	82710850	+	4.026E-26	1.70729E-24	-0.30768	hypo	sig	chr17_82710850
chr11	1.08E+08	107929241	+	4.031E-26	1.70908E-24	0.219668	hyper	sig	chr11_107929241
chr6	1.46E+08	146029094	+	4.031E-26	1.70911E-24	0.237589	hyper	sig	chr6_146029094
chr20	3408854	3408854	+	4.032E-26	1.70965E-24	0.22543	hyper	sig	chr20_3408854
chr4	1.85E+08	185021003	+	4.034E-26	1.71033E-24	0.267557	hyper	sig	chr4_185021003
chr11	69382562	69382562	+	4.036E-26	1.71118E-24	-0.24974	hypo	sig	chr11_69382562
chr11	1.29E+08	128824237	+	4.048E-26	1.71593E-24	0.31154	hyper	sig	chr11_128824237
chr12	1.15E+08	114687006	+	4.056E-26	1.71907E-24	0.221871	hyper	sig	chr12_114687006
chr7	79454219	79454219	+	4.069E-26	1.72458E-24	0.204875	hyper	sig	chr7_79454219
chr5	1555769	1555769	+	4.071E-26	1.72536E-24	-0.27656	hypo	sig	chr5_1555769
chr17	80478233	80478233	+	4.083E-26	1.73018E-24	0.262986	hyper	sig	chr17_80478233
chr1	6089065	6089065	+	4.084E-26	1.73044E-24	-0.21826	hypo	sig	chr1_6089065
chr9	975901	975901	+	4.086E-26	1.73139E-24	0.270936	hyper	sig	chr9_975901
chr5	6631708	6631708	+	4.108E-26	1.74067E-24	-0.29702	hypo	sig	chr5_6631708
chr4	4858816	4858816	+	4.12E-26	1.74551E-24	0.306422	hyper	sig	chr4_4858816
chr17	78232140	78232140	+	4.141E-26	1.75406E-24	0.228283	hyper	sig	chr17_78232140
chr5	1.77E+08	177116963	+	4.142E-26	1.75455E-24	0.245963	hyper	sig	chr5_177116963
chr18	69402809	69402809	+	4.156E-26	1.7604E-24	0.205293	hyper	sig	chr18_69402809
chr11	57646960	57646960	+	4.157E-26	1.76069E-24	0.281347	hyper	sig	chr11_57646960
chr1	81503249	81503249	+	4.168E-26	1.76537E-24	-0.25834	hypo	sig	chr1_81503249
chr8	52940156	52940156	+	4.171E-26	1.7665E-24	0.322521	hyper	sig	chr8_52940156
chr17	50606460	50606460	+	4.171E-26	1.76651E-24	-0.27981	hypo	sig	chr17_50606460
chr10	55628236	55628236	+	4.186E-26	1.77265E-24	0.252476	hyper	sig	chr10_55628236
chr1	1.14E+08	114154839	+	4.197E-26	1.77725E-24	0.2432	hyper	sig	chr1_114154839
chr4	5890637	5890637	+	4.198E-26	1.77739E-24	0.335473	hyper	sig	chr4_5890637
chr13	1.12E+08	112062932	+	4.199E-26	1.77794E-24	0.209234	hyper	sig	chr13_112062932
chr17	44915224	44915224	+	4.213E-26	1.78365E-24	-0.20166	hypo	sig	chr17_44915224
chr12	1.06E+08	106140077	+	4.23E-26	1.79092E-24	0.248682	hyper	sig	chr12_106140077
chr1	23949278	23949278	+	4.239E-26	1.7947E-24	-0.26193	hypo	sig	chr1_23949278
chr19	8052790	8052790	+	4.256E-26	1.80144E-24	-0.31531	hypo	sig	chr19_8052790
chr2	1.15E+08	115162992	+	4.261E-26	1.80374E-24	0.245142	hyper	sig	chr2_115162992
chr14	97033569	97033569	+	4.272E-26	1.80833E-24	0.257249	hyper	sig	chr14_97033569
chr1	47445752	47445752	+	4.275E-26	1.80946E-24	0.389015	hyper	sig	chr1_47445752
chr19	57583754	57583754	+	4.275E-26	1.80946E-24	0.324072	hyper	sig	chr19_57583754
chr1	1.53E+08	152685931	+	4.278E-26	1.81059E-24	-0.24373	hypo	sig	chr1_152685931
chr5	2749671	2749671	+	4.287E-26	1.8142E-24	0.289653	hyper	sig	chr5_2749671
chr8	41308667	41308667	+	4.31E-26	1.82389E-24	0.297663	hyper	sig	chr8_41308667
chr19	23003119	23003119	+	4.317E-26	1.82662E-24	0.257516	hyper	sig	chr19_23003119
chr12	72273631	72273631	+	4.326E-26	1.8303E-24	0.244111	hyper	sig	chr12_72273631
chr17	81445090	81445090	+	4.328E-26	1.83095E-24	-0.26887	hypo	sig	chr17_81445090
chr12	54014643	54014643	+	4.336E-26	1.83432E-24	0.231552	hyper	sig	chr12_54014643
chr8	1011598	1011598	+	4.347E-26	1.83911E-24	-0.25798	hypo	sig	chr8_1011598
chr2	1.3E+08	129979711	+	4.35E-26	1.84002E-24	0.210357	hyper	sig	chr2_129979711
chr12	4809726	4809726	+	4.369E-26	1.84788E-24	0.214938	hyper	sig	chr12_4809726
chr3	12759312	12759312	+	4.374E-26	1.85007E-24	-0.30014	hypo	sig	chr3_12759312
chr17	9825655	9825655	+	4.384E-26	1.85427E-24	-0.27213	hypo	sig	chr17_9825655
chr11	1.12E+08	111540208	+	4.387E-26	1.85532E-24	0.209959	hyper	sig	chr11_111540208
chr18	69402755	69402755	+	4.387E-26	1.85532E-24	0.288653	hyper	sig	chr18_69402755
chr22	49671410	49671410	+	4.392E-26	1.85712E-24	0.241186	hyper	sig	chr22_49671410
chr21	33026521	33026521	+	4.395E-26	1.8586E-24	0.279179	hyper	sig	chr21_33026521
chr1	16520818	16520818	+	4.397E-26	1.85933E-24	0.220319	hyper	sig	chr1_16520818
chr10	49396585	49396585	+	4.401E-26	1.8608E-24	0.275888	hyper	sig	chr10_49396585
chr7	1.51E+08	150938438	+	4.402E-26	1.86082E-24	-0.22584	hypo	sig	chr7_150938438
chr18	52342088	52342088	+	4.416E-26	1.86667E-24	0.219516	hyper	sig	chr18_52342088
chr11	20163130	20163130	+	4.425E-26	1.87061E-24	0.21158	hyper	sig	chr11_20163130

chr4	41882552	41882552	+	4.429E-26	1.8718E-24	0.274936	hyper	sig	chr4_41882552
chr2	1.76E+08	176083144	+	4.435E-26	1.8743E-24	0.319456	hyper	sig	chr2_176083144
chr10	26946655	26946655	+	4.445E-26	1.8785E-24	0.201547	hyper	sig	chr10_26946655
chr3	1.8E+08	180036521	+	4.445E-26	1.8785E-24	0.269357	hyper	sig	chr3_180036521
chr7	1.59E+08	159007057	+	4.462E-26	1.8854E-24	-0.23274	hypo	sig	chr7_159007057
chr16	85483960	85483960	+	4.469E-26	1.88831E-24	-0.22268	hypo	sig	chr16_85483960
chr2	2.32E+08	232486795	+	4.473E-26	1.88985E-24	0.232077	hyper	sig	chr2_232486795
chr2	44803178	44803178	+	4.477E-26	1.89135E-24	0.315265	hyper	sig	chr2_44803178
chr16	89248179	89248179	+	4.493E-26	1.8983E-24	0.311582	hyper	sig	chr16_89248179
chr19	22623394	22623394	+	4.503E-26	1.90249E-24	0.352412	hyper	sig	chr19_22623394
chr10	99232469	99232469	+	4.52E-26	1.90924E-24	0.256131	hyper	sig	chr10_99232469
chr6	1.01E+08	101398929	+	4.52E-26	1.90932E-24	0.272114	hyper	sig	chr6_101398929
chr5	538629	538629	+	4.528E-26	1.91265E-24	-0.20376	hypo	sig	chr5_538629
chr21	33024795	33024795	+	4.535E-26	1.91528E-24	0.256713	hyper	sig	chr21_33024795
chr19	53132824	53132824	+	4.545E-26	1.91951E-24	0.239109	hyper	sig	chr19_53132824
chr4	1.07E+08	107036784	+	4.553E-26	1.9226E-24	0.269231	hyper	sig	chr4_107036784
chr10	69569278	69569278	+	4.561E-26	1.92569E-24	0.316499	hyper	sig	chr10_69569278
chr10	1.01E+08	101218276	+	4.572E-26	1.92998E-24	0.256787	hyper	sig	chr10_101218276
chr16	86579990	86579990	+	4.576E-26	1.93166E-24	0.274802	hyper	sig	chr16_86579990
chr4	4383299	4383299	+	4.576E-26	1.93177E-24	-0.28873	hypo	sig	chr4_4383299
chr5	1.41E+08	141432028	+	4.586E-26	1.93581E-24	0.246434	hyper	sig	chr5_141432028
chr7	1.55E+08	155459286	+	4.587E-26	1.93622E-24	0.306614	hyper	sig	chr7_155459286
chr21	40842019	40842019	+	4.588E-26	1.93636E-24	0.217244	hyper	sig	chr21_40842019
chr17	77373893	77373893	+	4.592E-26	1.93786E-24	0.306994	hyper	sig	chr17_77373893
chr7	181309	181309	+	4.593E-26	1.93816E-24	-0.26973	hypo	sig	chr7_181309
chr10	23191786	23191786	+	4.603E-26	1.94225E-24	0.243162	hyper	sig	chr10_23191786
chr3	1.39E+08	138939784	+	4.609E-26	1.94454E-24	0.241716	hyper	sig	chr3_138939784
chr3	46465064	46465064	+	4.611E-26	1.94537E-24	0.249891	hyper	sig	chr3_46465064
chr8	42499396	42499396	+	4.618E-26	1.94814E-24	0.275214	hyper	sig	chr8_42499396
chr10	43131088	43131088	+	4.636E-26	1.95587E-24	-0.20667	hypo	sig	chr10_43131088
chr8	1.44E+08	143950669	+	4.638E-26	1.95662E-24	-0.22591	hypo	sig	chr8_143950669
chr4	4862581	4862581	+	4.641E-26	1.95792E-24	0.241168	hyper	sig	chr4_4862581
chr2	73291637	73291637	+	4.646E-26	1.95978E-24	0.244367	hyper	sig	chr2_73291637
chr8	25001474	25001474	+	4.648E-26	1.96031E-24	0.271163	hyper	sig	chr8_25001474
chr3	1.28E+08	128481983	+	4.664E-26	1.96689E-24	0.312411	hyper	sig	chr3_128481983
chr2	1837331	1837331	+	4.667E-26	1.96829E-24	-0.2307	hypo	sig	chr2_1837331
chr6	32079345	32079345	+	4.691E-26	1.97811E-24	-0.2854	hypo	sig	chr6_32079345
chr13	36432216	36432216	+	4.695E-26	1.97974E-24	0.247164	hyper	sig	chr13_36432216
chr11	2161414	2161414	+	4.7E-26	1.98182E-24	-0.25234	hypo	sig	chr11_2161414
chr20	25083181	25083181	+	4.703E-26	1.98258E-24	0.252932	hyper	sig	chr20_25083181
chr7	1.5E+08	150047462	+	4.713E-26	1.98701E-24	0.272296	hyper	sig	chr7_150047462
chr19	15181720	15181720	+	4.716E-26	1.98823E-24	-0.29156	hypo	sig	chr19_15181720
chr8	55939676	55939676	+	4.729E-26	1.99332E-24	0.254119	hyper	sig	chr8_55939676
chr10	472270	472270	+	4.748E-26	2.00147E-24	-0.2785	hypo	sig	chr10_472270
chr20	21516070	21516070	+	4.752E-26	2.00285E-24	0.201459	hyper	sig	chr20_21516070
chr3	1.39E+08	138960705	+	4.759E-26	2.00571E-24	0.225386	hyper	sig	chr3_138960705
chr13	42574185	42574185	+	4.768E-26	2.00943E-24	0.209545	hyper	sig	chr13_42574185
chr11	1.15E+08	115154947	+	4.772E-26	2.011E-24	-0.28246	hypo	sig	chr11_115154947
chr8	56445577	56445577	+	4.786E-26	2.01668E-24	0.220042	hyper	sig	chr8_56445577
chr21	44425637	44425637	+	4.799E-26	2.02203E-24	-0.27723	hypo	sig	chr21_44425637
chr4	80268665	80268665	+	4.817E-26	2.02957E-24	0.218417	hyper	sig	chr4_80268665
chr2	88766042	88766042	+	4.819E-26	2.03003E-24	0.226625	hyper	sig	chr2_88766042
chr17	68198971	68198971	+	4.85E-26	2.04312E-24	0.203925	hyper	sig	chr17_68198971
chr10	1.05E+08	104641545	+	4.854E-26	2.04459E-24	0.295999	hyper	sig	chr10_104641545
chr6	36285335	36285335	+	4.859E-26	2.0467E-24	0.24534	hyper	sig	chr6_36285335
chr5	1.41E+08	141398752	+	4.862E-26	2.04777E-24	0.240102	hyper	sig	chr5_141398752

chr1	6385856	6385856	+	4.864E-26	2.04853E-24	-0.37657	hypo	sig	chr1_6385856
chr16	86337818	86337818	+	4.87E-26	2.05098E-24	-0.22551	hypo	sig	chr16_86337818
chr5	2739072	2739072	+	4.872E-26	2.05185E-24	0.233143	hyper	sig	chr5_2739072
chr5	1.77E+08	176881025	+	4.891E-26	2.05963E-24	-0.23253	hypo	sig	chr5_176881025
chr13	67230271	67230271	+	4.893E-26	2.06015E-24	0.272405	hyper	sig	chr13_67230271
chr9	1.31E+08	131259621	+	4.906E-26	2.06565E-24	-0.29138	hypo	sig	chr9_131259621
chr19	1473205	1473205	+	4.907E-26	2.06596E-24	-0.26406	hypo	sig	chr19_1473205
chr5	51387551	51387551	+	4.909E-26	2.06689E-24	0.219869	hyper	sig	chr5_51387551
chr21	44903932	44903932	+	4.912E-26	2.06776E-24	-0.25133	hypo	sig	chr21_44903932
chr4	95549992	95549992	+	4.943E-26	2.08041E-24	0.206423	hyper	sig	chr4_95549992
chr4	3675770	3675770	+	4.945E-26	2.0812E-24	-0.20857	hypo	sig	chr4_3675770
chr2	2.27E+08	227471455	+	4.948E-26	2.08258E-24	-0.26204	hypo	sig	chr2_227471455
chr3	1.47E+08	147391980	+	4.95E-26	2.08306E-24	0.278352	hyper	sig	chr3_147391980
chr10	61453638	61453638	+	4.951E-26	2.08359E-24	0.219918	hyper	sig	chr10_61453638
chr19	22422349	22422349	+	4.953E-26	2.08408E-24	0.238393	hyper	sig	chr19_22422349
chr13	93228671	93228671	+	4.967E-26	2.08989E-24	0.229316	hyper	sig	chr13_93228671
chr14	1.01E+08	101027024	+	4.97E-26	2.09129E-24	-0.24196	hypo	sig	chr14_101027024
chr7	1.41E+08	141436370	+	4.978E-26	2.09431E-24	-0.27958	hypo	sig	chr7_141436370
chr6	28810331	28810331	+	4.983E-26	2.09656E-24	0.311439	hyper	sig	chr6_28810331
chr15	41894254	41894254	+	4.987E-26	2.09813E-24	-0.22132	hypo	sig	chr15_41894254
chr2	38074662	38074662	+	4.992E-26	2.10011E-24	0.32285	hyper	sig	chr2_38074662
chr16	29252046	29252046	+	4.993E-26	2.10026E-24	-0.31971	hypo	sig	chr16_29252046
chr13	35475235	35475235	+	4.996E-26	2.10129E-24	0.203577	hyper	sig	chr13_35475235
chr13	1.14E+08	114005080	+	4.997E-26	2.10178E-24	-0.26703	hypo	sig	chr13_114005080
chr7	37449339	37449339	+	5.015E-26	2.10922E-24	0.204243	hyper	sig	chr7_37449339
chr16	86619594	86619594	+	5.018E-26	2.11021E-24	-0.31026	hypo	sig	chr16_86619594
chr19	57614529	57614529	+	5.019E-26	2.11085E-24	0.233921	hyper	sig	chr19_57614529
chr7	1.56E+08	156122980	+	5.021E-26	2.11153E-24	-0.21497	hypo	sig	chr7_156122980
chr5	88602856	88602856	+	5.031E-26	2.11551E-24	-0.21719	hypo	sig	chr5_88602856
chr12	54090485	54090485	+	5.045E-26	2.12139E-24	0.22142	hyper	sig	chr12_54090485
chr15	1.01E+08	100974057	+	5.046E-26	2.12146E-24	0.351395	hyper	sig	chr15_100974057
chr6	1.01E+08	101399473	+	5.051E-26	2.12365E-24	0.257874	hyper	sig	chr6_101399473
chr19	33234709	33234709	+	5.081E-26	2.13606E-24	-0.21118	hypo	sig	chr19_33234709
chr7	4810714	4810714	+	5.086E-26	2.13793E-24	-0.244	hypo	sig	chr7_4810714
chr17	79099918	79099918	+	5.096E-26	2.14214E-24	-0.22123	hypo	sig	chr17_79099918
chr16	89202408	89202408	+	5.097E-26	2.14234E-24	0.223711	hyper	sig	chr16_89202408
chr2	1.87E+08	186849149	+	5.102E-26	2.14437E-24	0.23349	hyper	sig	chr2_186849149
chr19	1520561	1520561	+	5.107E-26	2.14638E-24	-0.29695	hypo	sig	chr19_1520561
chr9	1.36E+08	135693931	+	5.119E-26	2.15113E-24	-0.32332	hypo	sig	chr9_135693931
chr22	43880133	43880133	+	5.128E-26	2.15469E-24	-0.30556	hypo	sig	chr22_43880133
chr15	25863649	25863649	+	5.129E-26	2.15536E-24	0.249987	hyper	sig	chr15_25863649
chr19	56393381	56393381	+	5.168E-26	2.17137E-24	0.211001	hyper	sig	chr19_56393381
chr1	18798743	18798743	+	5.178E-26	2.17535E-24	-0.22548	hypo	sig	chr1_18798743
chr21	37006165	37006165	+	5.19E-26	2.18019E-24	0.298447	hyper	sig	chr21_37006165
chr19	23003142	23003142	+	5.197E-26	2.18306E-24	0.267648	hyper	sig	chr19_23003142
chr11	69048241	69048241	+	5.205E-26	2.1861E-24	-0.27231	hypo	sig	chr11_69048241
chr5	51378133	51378133	+	5.218E-26	2.19141E-24	0.299389	hyper	sig	chr5_51378133
chr5	1.41E+08	141392982	+	5.234E-26	2.19828E-24	0.201023	hyper	sig	chr5_141392982
chr1	3581513	3581513	+	5.27E-26	2.21326E-24	-0.20115	hypo	sig	chr1_3581513
chr3	6862170	6862170	+	5.277E-26	2.21576E-24	0.445323	hyper	sig	chr3_6862170
chr6	84764952	84764952	+	5.282E-26	2.2178E-24	0.247245	hyper	sig	chr6_84764952
chr17	79183627	79183627	+	5.291E-26	2.22174E-24	0.209838	hyper	sig	chr17_79183627
chr7	561821	561821	+	5.296E-26	2.22369E-24	0.276784	hyper	sig	chr7_561821
chr6	28490119	28490119	+	5.319E-26	2.23311E-24	0.248491	hyper	sig	chr6_28490119
chr12	1.14E+08	114400809	+	5.32E-26	2.23343E-24	0.227668	hyper	sig	chr12_114400809
chr13	1.11E+08	111422529	+	5.328E-26	2.23663E-24	-0.22223	hypo	sig	chr13_111422529

chr2	2.41E+08	240672609	+	5.331E-26	2.23751E-24	0.221902	hyper	sig	chr2_240672609
chr2	2.41E+08	240913684	+	5.331E-26	2.23751E-24	-0.21491	hypo	sig	chr2_240913684
chr5	1.81E+08	181100554	+	5.353E-26	2.24682E-24	0.203597	hyper	sig	chr5_181100554
chr7	8435566	8435566	+	5.364E-26	2.25142E-24	0.387075	hyper	sig	chr7_8435566
chr4	1.11E+08	110618286	+	5.372E-26	2.25432E-24	0.22202	hyper	sig	chr4_110618286
chr13	1.11E+08	111320566	+	5.38E-26	2.25757E-24	-0.23084	hypo	sig	chr13_111320566
chr5	1.7E+08	169637658	+	5.396E-26	2.26436E-24	0.304016	hyper	sig	chr5_169637658
chr6	1.66E+08	165819472	+	5.397E-26	2.26436E-24	0.254842	hyper	sig	chr6_165819472
chr13	20946319	20946319	+	5.399E-26	2.26505E-24	0.29243	hyper	sig	chr13_20946319
chr4	1.25E+08	125317699	+	5.426E-26	2.27633E-24	0.240448	hyper	sig	chr4_125317699
chr17	83085004	83085004	+	5.458E-26	2.28964E-24	-0.25978	hypo	sig	chr17_83085004
chr19	15181715	15181715	+	5.474E-26	2.29619E-24	-0.29668	hypo	sig	chr19_15181715
chr17	2057959	2057959	+	5.48E-26	2.29879E-24	0.25419	hyper	sig	chr17_2057959
chr4	7983534	7983534	+	5.482E-26	2.29942E-24	0.255101	hyper	sig	chr4_7983534
chr6	98842765	98842765	+	5.492E-26	2.30358E-24	0.268456	hyper	sig	chr6_98842765
chr17	46819618	46819618	+	5.497E-26	2.30544E-24	0.243094	hyper	sig	chr17_46819618
chr11	1040312	1040312	+	5.498E-26	2.3059E-24	-0.28536	hypo	sig	chr11_1040312
chr14	1.01E+08	101060735	+	5.516E-26	2.31296E-24	-0.21984	hypo	sig	chr14_101060735
chr16	88691200	88691200	+	5.516E-26	2.31312E-24	-0.23236	hypo	sig	chr16_88691200
chr17	80064328	80064328	+	5.531E-26	2.31939E-24	-0.24073	hypo	sig	chr17_80064328
chr10	1.24E+08	124044364	+	5.533E-26	2.32005E-24	-0.20685	hypo	sig	chr10_124044364
chr17	45262462	45262462	+	5.543E-26	2.32412E-24	0.200751	hyper	sig	chr17_45262462
chr15	33311722	33311722	+	5.553E-26	2.32806E-24	0.269575	hyper	sig	chr15_33311722
chr8	64585883	64585883	+	5.554E-26	2.32845E-24	0.217869	hyper	sig	chr8_64585883
chr3	1.47E+08	147409941	+	5.575E-26	2.3368E-24	0.289948	hyper	sig	chr3_147409941
chr8	1.45E+08	144713207	+	5.592E-26	2.34365E-24	0.279969	hyper	sig	chr8_144713207
chr13	1.1E+08	110304414	+	5.603E-26	2.34805E-24	-0.26013	hypo	sig	chr13_110304414
chr18	69402792	69402792	+	5.615E-26	2.35291E-24	0.246686	hyper	sig	chr18_69402792
chr14	97033571	97033571	+	5.627E-26	2.35766E-24	0.252612	hyper	sig	chr14_97033571
chr20	24469032	24469032	+	5.626E-26	2.35766E-24	0.266793	hyper	sig	chr20_24469032
chr12	1.24E+08	123913330	+	5.629E-26	2.35843E-24	-0.22508	hypo	sig	chr12_123913330
chr4	1405474	1405474	+	5.634E-26	2.3607E-24	0.328786	hyper	sig	chr4_1405474
chr10	7412630	7412630	+	5.636E-26	2.36113E-24	0.21514	hyper	sig	chr10_7412630
chr15	89371758	89371758	+	5.639E-26	2.36221E-24	0.200954	hyper	sig	chr15_89371758
chr16	67161718	67161718	+	5.644E-26	2.36433E-24	-0.2452	hypo	sig	chr16_67161718
chr4	6329383	6329383	+	5.649E-26	2.36623E-24	-0.23704	hypo	sig	chr4_6329383
chr9	1.22E+08	122219808	+	5.653E-26	2.36794E-24	0.265313	hyper	sig	chr9_122219808
chr5	37838481	37838481	+	5.662E-26	2.37142E-24	0.245614	hyper	sig	chr5_37838481
chr10	26218502	26218502	+	5.697E-26	2.38562E-24	0.33615	hyper	sig	chr10_26218502
chr14	36504011	36504011	+	5.711E-26	2.39132E-24	0.222755	hyper	sig	chr14_36504011
chr3	62374045	62374045	+	5.722E-26	2.39579E-24	0.230853	hyper	sig	chr3_62374045
chr16	88130242	88130242	+	5.731E-26	2.39935E-24	-0.24453	hypo	sig	chr16_88130242
chr9	1.31E+08	130663327	+	5.754E-26	2.4089E-24	0.204244	hyper	sig	chr9_130663327
chr10	7411954	7411954	+	5.763E-26	2.41268E-24	0.345402	hyper	sig	chr10_7411954
chr18	36188528	36188528	+	5.764E-26	2.41294E-24	-0.24041	hypo	sig	chr18_36188528
chr19	58009840	58009840	+	5.771E-26	2.41562E-24	0.222974	hyper	sig	chr19_58009840
chr14	60506799	60506799	+	5.78E-26	2.41954E-24	0.286446	hyper	sig	chr14_60506799
chr16	10877298	10877298	+	5.791E-26	2.42356E-24	-0.236	hypo	sig	chr16_10877298
chr20	23048731	23048731	+	5.791E-26	2.42356E-24	0.280107	hyper	sig	chr20_23048731
chr17	80823251	80823251	+	5.808E-26	2.43075E-24	-0.29251	hypo	sig	chr17_80823251
chr2	1.27E+08	126889086	+	5.825E-26	2.43738E-24	-0.28112	hypo	sig	chr2_126889086
chr8	98949954	98949954	+	5.828E-26	2.43876E-24	0.32029	hyper	sig	chr8_98949954
chr1	8333910	8333910	+	5.84E-26	2.44327E-24	-0.22131	hypo	sig	chr1_8333910
chr2	2.41E+08	240520127	+	5.864E-26	2.4533E-24	0.275617	hyper	sig	chr2_240520127
chr10	49679811	49679811	+	5.865E-26	2.45341E-24	0.252256	hyper	sig	chr10_49679811
chr22	50447170	50447170	+	5.868E-26	2.45439E-24	-0.22858	hypo	sig	chr22_50447170

chr4	1.25E+08	125316358	+	5.882E-26	2.46036E-24	0.225216	hyper	sig	chr4_125316358
chr1	6124937	6124937	+	5.889E-26	2.46326E-24	-0.24525	hypo	sig	chr1_6124937
chr3	1.34E+08	133674809	+	5.89E-26	2.46342E-24	0.296012	hyper	sig	chr3_133674809
chr4	2430586	2430586	+	5.897E-26	2.46621E-24	-0.30837	hypo	sig	chr4_2430586
chr19	58347319	58347319	+	5.898E-26	2.4664E-24	0.226663	hyper	sig	chr19_58347319
chr10	1.01E+08	101284487	+	5.922E-26	2.47622E-24	0.266839	hyper	sig	chr10_101284487
chr8	98949646	98949646	+	5.932E-26	2.48056E-24	0.264109	hyper	sig	chr8_98949646
chr5	1.41E+08	141234330	+	5.935E-26	2.48156E-24	0.266411	hyper	sig	chr5_141234330
chr12	57175560	57175560	+	5.939E-26	2.48307E-24	-0.32317	hypo	sig	chr12_57175560
chr17	10026784	10026784	+	5.954E-26	2.48912E-24	-0.27898	hypo	sig	chr17_10026784
chr1	2251999	2251999	+	5.965E-26	2.49366E-24	-0.24222	hypo	sig	chr1_2251999
chr16	62036037	62036037	+	5.967E-26	2.4943E-24	0.327455	hyper	sig	chr16_62036037
chr2	1.27E+08	126781379	+	5.969E-26	2.49506E-24	-0.28164	hypo	sig	chr2_126781379
chr15	89221664	89221664	+	5.973E-26	2.4964E-24	-0.25455	hypo	sig	chr15_89221664
chr6	10425451	10425451	+	5.979E-26	2.49886E-24	0.263621	hyper	sig	chr6_10425451
chr13	42574167	42574167	+	5.982E-26	2.5001E-24	0.225654	hyper	sig	chr13_42574167
chr1	1.57E+08	156646989	+	5.999E-26	2.50693E-24	0.292176	hyper	sig	chr1_156646989
chr6	1.1E+08	110357717	+	6.01E-26	2.51137E-24	0.256438	hyper	sig	chr6_110357717
chr17	78498904	78498904	+	6.01E-26	2.51139E-24	-0.30932	hypo	sig	chr17_78498904
chr14	99246038	99246038	+	6.032E-26	2.52027E-24	0.26978	hyper	sig	chr14_99246038
chr12	48198751	48198751	+	6.035E-26	2.52134E-24	0.236877	hyper	sig	chr12_48198751
chr12	54047674	54047674	+	6.036E-26	2.52171E-24	0.3094	hyper	sig	chr12_54047674
chr11	2940575	2940575	+	6.04E-26	2.5235E-24	-0.33677	hypo	sig	chr11_2940575
chr21	44709404	44709404	+	6.043E-26	2.52468E-24	0.226802	hyper	sig	chr21_44709404
chr12	53939422	53939422	+	6.049E-26	2.52694E-24	0.218616	hyper	sig	chr12_53939422
chr19	58350706	58350706	+	6.051E-26	2.52773E-24	0.263665	hyper	sig	chr19_58350706
chr15	52798358	52798358	+	6.056E-26	2.52967E-24	0.245707	hyper	sig	chr15_52798358
chr19	57600401	57600401	+	6.072E-26	2.53607E-24	0.20948	hyper	sig	chr19_57600401
chr6	86937843	86937843	+	6.073E-26	2.53617E-24	0.253697	hyper	sig	chr6_86937843
chr1	2.28E+08	228416008	+	6.073E-26	2.53625E-24	0.273459	hyper	sig	chr1_228416008
chr13	45851577	45851577	+	6.076E-26	2.53725E-24	0.239111	hyper	sig	chr13_45851577
chr4	80185703	80185703	+	6.085E-26	2.54088E-24	0.251423	hyper	sig	chr4_80185703
chr8	1.42E+08	142119851	+	6.108E-26	2.55045E-24	-0.28579	hypo	sig	chr8_142119851
chr13	1.13E+08	113141802	+	6.109E-26	2.55059E-24	-0.29419	hypo	sig	chr13_113141802
chr8	2506624	2506624	+	6.114E-26	2.55283E-24	-0.22561	hypo	sig	chr8_2506624
chr11	8018916	8018916	+	6.131E-26	2.55968E-24	0.214215	hyper	sig	chr11_8018916
chr1	18632858	18632858	+	6.132E-26	2.55999E-24	0.21474	hyper	sig	chr1_18632858
chr19	57240408	57240408	+	6.144E-26	2.56464E-24	0.218789	hyper	sig	chr19_57240408
chr1	11474633	11474633	+	6.148E-26	2.56647E-24	-0.31269	hypo	sig	chr1_11474633
chr10	72089157	72089157	+	6.149E-26	2.56647E-24	-0.22684	hypo	sig	chr10_72089157
chr7	5303545	5303545	+	6.149E-26	2.56661E-24	-0.27139	hypo	sig	chr7_5303545
chr17	44312194	44312194	+	6.15E-26	2.56671E-24	-0.26746	hypo	sig	chr17_44312194
chr2	1.3E+08	129979730	+	6.15E-26	2.56677E-24	0.233729	hyper	sig	chr2_129979730
chr5	45696353	45696353	+	6.155E-26	2.56828E-24	0.218612	hyper	sig	chr5_45696353
chr5	1.8E+08	179530523	+	6.158E-26	2.56954E-24	0.260797	hyper	sig	chr5_179530523
chr10	75408465	75408465	+	6.18E-26	2.57839E-24	0.295224	hyper	sig	chr10_75408465
chr20	21713747	21713747	+	6.208E-26	2.59022E-24	0.239733	hyper	sig	chr20_21713747
chr3	1.38E+08	137763106	+	6.209E-26	2.59025E-24	0.235131	hyper	sig	chr3_137763106
chr2	88765347	88765347	+	6.223E-26	2.59614E-24	0.277443	hyper	sig	chr2_88765347
chr10	1.29E+08	128540289	+	6.228E-26	2.59815E-24	0.231156	hyper	sig	chr10_128540289
chr5	1.41E+08	141423264	+	6.241E-26	2.60313E-24	0.254072	hyper	sig	chr5_141423264
chr16	88088043	88088043	+	6.251E-26	2.60723E-24	-0.23886	hypo	sig	chr16_88088043
chr17	44988380	44988380	+	6.253E-26	2.60778E-24	0.264034	hyper	sig	chr17_44988380
chr13	1.13E+08	113141807	+	6.255E-26	2.60848E-24	-0.29108	hypo	sig	chr13_113141807
chr3	44022329	44022329	+	6.272E-26	2.61554E-24	0.206429	hyper	sig	chr3_44022329
chr1	1.19E+08	119006551	+	6.275E-26	2.61664E-24	0.230388	hyper	sig	chr1_119006551

chr20	1890987	1890987	+	6.276E-26	2.61674E-24	-0.26741	hypo	sig	chr20_1890987
chr7	1.59E+08	159112642	+	6.281E-26	2.61858E-24	0.218116	hyper	sig	chr7_159112642
chr2	20671206	20671206	+	6.281E-26	2.6187E-24	0.294726	hyper	sig	chr2_20671206
chr13	87674360	87674360	+	6.298E-26	2.62558E-24	0.205564	hyper	sig	chr13_87674360
chr19	58155454	58155454	+	6.304E-26	2.62774E-24	0.282695	hyper	sig	chr19_58155454
chr19	33623159	33623159	+	6.309E-26	2.62958E-24	0.248754	hyper	sig	chr19_33623159
chr3	1.47E+08	147411006	+	6.31E-26	2.62997E-24	0.246209	hyper	sig	chr3_147411006
chr16	51150077	51150077	+	6.31E-26	2.63002E-24	0.299506	hyper	sig	chr16_51150077
chr20	23049797	23049797	+	6.312E-26	2.63051E-24	0.20648	hyper	sig	chr20_23049797
chr12	53945035	53945035	+	6.317E-26	2.63246E-24	0.228306	hyper	sig	chr12_53945035
chr6	32197396	32197396	+	6.327E-26	2.63671E-24	-0.22108	hypo	sig	chr6_32197396
chr12	1.15E+08	114687255	+	6.329E-26	2.6374E-24	0.20984	hyper	sig	chr12_114687255
chr1	2.21E+08	220881225	+	6.337E-26	2.6405E-24	0.247142	hyper	sig	chr1_220881225
chr3	1.47E+08	147392580	+	6.364E-26	2.65145E-24	0.303624	hyper	sig	chr3_147392580
chr6	1.08E+08	108165234	+	6.375E-26	2.65577E-24	0.313961	hyper	sig	chr6_108165234
chr15	83284957	83284957	+	6.378E-26	2.65682E-24	0.240932	hyper	sig	chr15_83284957
chr3	68932913	68932913	+	6.383E-26	2.65885E-24	0.254305	hyper	sig	chr3_68932913
chr11	1.12E+08	112499809	+	6.404E-26	2.66703E-24	-0.27332	hypo	sig	chr11_112499809
chr5	1.81E+08	181100597	+	6.409E-26	2.66909E-24	0.217215	hyper	sig	chr5_181100597
chr12	54034439	54034439	+	6.413E-26	2.67064E-24	0.25334	hyper	sig	chr12_54034439
chr16	6483774	6483774	+	6.431E-26	2.6782E-24	0.248146	hyper	sig	chr16_6483774
chr10	49397667	49397667	+	6.435E-26	2.67945E-24	0.27633	hyper	sig	chr10_49397667
chr6	28825634	28825634	+	6.447E-26	2.68424E-24	0.267304	hyper	sig	chr6_28825634
chr1	1.15E+08	114855529	+	6.458E-26	2.689E-24	0.3091	hyper	sig	chr1_114855529
chr12	1.03E+08	102961360	+	6.47E-26	2.69368E-24	0.23879	hyper	sig	chr12_102961360
chr14	36583577	36583577	+	6.49E-26	2.70174E-24	0.234336	hyper	sig	chr14_36583577
chr20	21713986	21713986	+	6.491E-26	2.70231E-24	0.237778	hyper	sig	chr20_21713986
chr14	1.05E+08	104587213	+	6.495E-26	2.7035E-24	-0.2707	hypo	sig	chr14_104587213
chr2	1.39E+08	138780140	+	6.506E-26	2.70794E-24	0.221743	hyper	sig	chr2_138780140
chr7	63790626	63790626	+	6.506E-26	2.70794E-24	0.325915	hyper	sig	chr7_63790626
chr11	30584652	30584652	+	6.512E-26	2.71046E-24	0.244605	hyper	sig	chr11_30584652
chr17	78399339	78399339	+	6.521E-26	2.71397E-24	0.248305	hyper	sig	chr17_78399339
chr16	2082598	2082598	+	6.552E-26	2.72642E-24	0.228076	hyper	sig	chr16_2082598
chr13	1.01E+08	101416631	+	6.579E-26	2.73763E-24	0.312517	hyper	sig	chr13_101416631
chr4	1.22E+08	121765168	+	6.597E-26	2.74507E-24	0.216866	hyper	sig	chr4_121765168
chr19	58033783	58033783	+	6.647E-26	2.76566E-24	0.307517	hyper	sig	chr19_58033783
chr5	1.73E+08	173244558	+	6.654E-26	2.76865E-24	0.26043	hyper	sig	chr5_173244558
chr17	48725466	48725466	+	6.667E-26	2.77361E-24	0.215907	hyper	sig	chr17_48725466
chr2	2.07E+08	206642353	+	6.669E-26	2.77422E-24	0.252153	hyper	sig	chr2_206642353
chr20	45097903	45097903	+	6.681E-26	2.77914E-24	0.246553	hyper	sig	chr20_45097903
chr8	74984880	74984880	+	6.681E-26	2.77914E-24	0.221052	hyper	sig	chr8_74984880
chr1	13583714	13583714	+	6.698E-26	2.78604E-24	0.210726	hyper	sig	chr1_13583714
chr19	17970781	17970781	+	6.705E-26	2.78842E-24	-0.26627	hypo	sig	chr19_17970781
chr9	19788229	19788229	+	6.728E-26	2.79786E-24	0.278919	hyper	sig	chr9_19788229
chr6	32070784	32070784	+	6.78E-26	2.81925E-24	-0.28776	hypo	sig	chr6_32070784
chr20	46118391	46118391	+	6.782E-26	2.82001E-24	0.266013	hyper	sig	chr20_46118391
chr11	1.34E+08	133829856	+	6.787E-26	2.82182E-24	-0.279	hypo	sig	chr11_133829856
chr15	26866627	26866627	+	6.798E-26	2.82654E-24	0.261863	hyper	sig	chr15_26866627
chr1	1.57E+08	156897288	+	6.825E-26	2.83726E-24	-0.2871	hypo	sig	chr1_156897288
chr17	77541235	77541235	+	6.836E-26	2.84186E-24	-0.36884	hypo	sig	chr17_77541235
chr11	1025930	1025930	+	6.843E-26	2.84474E-24	-0.2468	hypo	sig	chr11_1025930
chr8	1653241	1653241	+	6.848E-26	2.84653E-24	-0.21741	hypo	sig	chr8_1653241
chr18	79430089	79430089	+	6.858E-26	2.85058E-24	-0.24702	hypo	sig	chr18_79430089
chr2	44944660	44944660	+	6.859E-26	2.85101E-24	0.334421	hyper	sig	chr2_44944660
chr17	78993622	78993622	+	6.884E-26	2.86098E-24	-0.21917	hypo	sig	chr17_78993622
chr12	1.03E+08	102962249	+	6.902E-26	2.86849E-24	0.203914	hyper	sig	chr12_102962249

chr11	31805539	31805539	+	6.909E-26	2.87121E-24	0.207884	hyper	sig	chr11_31805539
chr7	2509145	2509145	+	6.912E-26	2.87229E-24	-0.2066	hypo	sig	chr7_2509145
chr8	61287904	61287904	+	6.915E-26	2.87328E-24	0.281859	hyper	sig	chr8_61287904
chr4	1.21E+08	121380471	+	6.922E-26	2.87596E-24	0.30514	hyper	sig	chr4_121380471
chr4	41744930	41744930	+	6.942E-26	2.88424E-24	0.322203	hyper	sig	chr4_41744930
chr16	85162522	85162522	+	6.946E-26	2.88547E-24	-0.256	hypo	sig	chr16_85162522
chr2	2.42E+08	242031923	+	6.955E-26	2.88915E-24	-0.20819	hypo	sig	chr2_242031923
chr9	3181007	3181007	+	6.955E-26	2.88921E-24	0.240967	hyper	sig	chr9_3181007
chr10	1.24E+08	123973320	+	6.958E-26	2.89031E-24	0.224421	hyper	sig	chr10_123973320
chr13	93228746	93228746	+	6.961E-26	2.89116E-24	0.283547	hyper	sig	chr13_93228746
chr13	1.12E+08	112451657	+	6.981E-26	2.89942E-24	-0.21554	hypo	sig	chr13_112451657
chr5	1.29E+08	128538029	+	6.989E-26	2.90252E-24	0.255653	hyper	sig	chr5_128538029
chr9	1.37E+08	136656767	+	6.996E-26	2.90536E-24	-0.24956	hypo	sig	chr9_136656767
chr6	1E+08	100448179	+	7.005E-26	2.90908E-24	0.284682	hyper	sig	chr6_100448179
chr19	2422200	2422200	+	7.03E-26	2.91922E-24	-0.25594	hypo	sig	chr19_2422200
chr17	79801971	79801971	+	7.036E-26	2.92175E-24	0.34281	hyper	sig	chr17_79801971
chr17	8965230	8965230	+	7.043E-26	2.92414E-24	0.269597	hyper	sig	chr17_8965230
chr7	8442485	8442485	+	7.049E-26	2.92666E-24	0.259103	hyper	sig	chr7_8442485
chr4	1.76E+08	176066098	+	7.05E-26	2.92711E-24	0.206886	hyper	sig	chr4_176066098
chr11	1.16E+08	115659515	+	7.056E-26	2.92927E-24	0.225532	hyper	sig	chr11_115659515
chr18	50298706	50298706	+	7.082E-26	2.93987E-24	0.235296	hyper	sig	chr18_50298706
chr16	2189377	2189377	+	7.088E-26	2.94215E-24	-0.21819	hypo	sig	chr16_2189377
chr11	32433172	32433172	+	7.096E-26	2.94517E-24	0.250116	hyper	sig	chr11_32433172
chr7	63766334	63766334	+	7.102E-26	2.94775E-24	-0.27796	hypo	sig	chr7_63766334
chr11	30584639	30584639	+	7.109E-26	2.95025E-24	0.224299	hyper	sig	chr11_30584639
chr17	82342481	82342481	+	7.113E-26	2.9518E-24	-0.35993	hypo	sig	chr17_82342481
chr10	1.01E+08	101064061	+	7.124E-26	2.9562E-24	-0.2795	hypo	sig	chr10_101064061
chr16	85644537	85644537	+	7.131E-26	2.95877E-24	-0.29449	hypo	sig	chr16_85644537
chr12	1.1E+08	109606857	+	7.15E-26	2.96651E-24	-0.33492	hypo	sig	chr12_109606857
chr3	87089297	87089297	+	7.213E-26	2.9925E-24	0.281169	hyper	sig	chr3_87089297
chr5	2034986	2034986	+	7.221E-26	2.99538E-24	-0.23172	hypo	sig	chr5_2034986
chr8	38974816	38974816	+	7.238E-26	3.00237E-24	0.2697	hyper	sig	chr8_38974816
chr11	15935967	15935967	+	7.239E-26	3.00257E-24	-0.31976	hypo	sig	chr11_15935967
chr17	8798824	8798824	+	7.244E-26	3.00421E-24	0.261202	hyper	sig	chr17_8798824
chr5	33936357	33936357	+	7.245E-26	3.00465E-24	0.260175	hyper	sig	chr5_33936357
chr7	1.43E+08	142797174	+	7.251E-26	3.00688E-24	0.22093	hyper	sig	chr7_142797174
chr20	21517514	21517514	+	7.255E-26	3.00845E-24	0.33692	hyper	sig	chr20_21517514
chr13	1.13E+08	113405914	+	7.267E-26	3.01336E-24	-0.29046	hypo	sig	chr13_113405914
chr2	11777661	11777661	+	7.273E-26	3.01567E-24	-0.25326	hypo	sig	chr2_11777661
chr17	81835905	81835905	+	7.286E-26	3.02079E-24	-0.24896	hypo	sig	chr17_81835905
chr13	1.12E+08	112106584	+	7.286E-26	3.02087E-24	0.266345	hyper	sig	chr13_112106584
chr7	1.55E+08	155465674	+	7.301E-26	3.02688E-24	0.217228	hyper	sig	chr7_155465674
chr10	55630546	55630546	+	7.303E-26	3.02734E-24	0.294232	hyper	sig	chr10_55630546
chr14	36503975	36503975	+	7.327E-26	3.03742E-24	0.202911	hyper	sig	chr14_36503975
chr6	1E+08	100467891	+	7.328E-26	3.03762E-24	0.278285	hyper	sig	chr6_100467891
chr11	35530304	35530304	+	7.331E-26	3.03875E-24	-0.31895	hypo	sig	chr11_35530304
chr1	1.19E+08	118983435	+	7.335E-26	3.04004E-24	0.337814	hyper	sig	chr1_118983435
chr17	75784222	75784222	+	7.338E-26	3.04111E-24	-0.22756	hypo	sig	chr17_75784222
chr5	73381453	73381453	+	7.353E-26	3.04733E-24	0.264476	hyper	sig	chr5_73381453
chr14	60511200	60511200	+	7.382E-26	3.05888E-24	0.255348	hyper	sig	chr14_60511200
chr18	79426359	79426359	+	7.395E-26	3.06435E-24	-0.23137	hypo	sig	chr18_79426359
chr11	200083	200083	+	7.402E-26	3.0671E-24	-0.2097	hypo	sig	chr11_200083
chr17	52157968	52157968	+	7.405E-26	3.06799E-24	0.277975	hyper	sig	chr17_52157968
chr12	53973224	53973224	+	7.414E-26	3.07141E-24	0.267806	hyper	sig	chr12_53973224
chr2	1.54E+08	153871456	+	7.435E-26	3.08004E-24	0.327435	hyper	sig	chr2_153871456
chr11	1.25E+08	124920936	+	7.45E-26	3.08609E-24	0.274738	hyper	sig	chr11_124920936

chr13	53202209	53202209	+	7.45E-26	3.08609E-24	0.253547	hyper	sig	chr13_53202209
chr4	52076970	52076970	+	7.471E-26	3.09448E-24	0.251497	hyper	sig	chr4_52076970
chr13	1.13E+08	113417094	+	7.484E-26	3.09932E-24	-0.26553	hypo	sig	chr13_113417094
chr10	91627387	91627387	+	7.49E-26	3.10196E-24	-0.34457	hypo	sig	chr10_91627387
chr14	62117930	62117930	+	7.51E-26	3.10985E-24	0.249127	hyper	sig	chr14_62117930
chr1	2.07E+08	207495979	+	7.525E-26	3.11577E-24	0.282626	hyper	sig	chr1_207495979
chr14	37602237	37602237	+	7.534E-26	3.11958E-24	0.272227	hyper	sig	chr14_37602237
chr5	77638834	77638834	+	7.543E-26	3.12277E-24	0.258428	hyper	sig	chr5_77638834
chr1	2.17E+08	217137627	+	7.545E-26	3.12374E-24	0.2614	hyper	sig	chr1_217137627
chr2	2.39E+08	239247311	+	7.547E-26	3.12438E-24	-0.32749	hypo	sig	chr2_239247311
chr15	89409155	89409155	+	7.556E-26	3.12776E-24	0.255463	hyper	sig	chr15_89409155
chr8	1.43E+08	143285157	+	7.56E-26	3.12926E-24	-0.2295	hypo	sig	chr8_143285157
chr11	1.09E+08	109423428	+	7.564E-26	3.13072E-24	0.249592	hyper	sig	chr11_109423428
chr5	1193967	1193967	+	7.565E-26	3.13102E-24	-0.29439	hypo	sig	chr5_1193967
chr6	1.08E+08	108165197	+	7.577E-26	3.13588E-24	0.349331	hyper	sig	chr6_108165197
chr4	1.11E+08	110618278	+	7.586E-26	3.13949E-24	0.216487	hyper	sig	chr4_110618278
chr17	79986015	79986015	+	7.599E-26	3.14444E-24	-0.21401	hypo	sig	chr17_79986015
chr4	1.04E+08	103720114	+	7.599E-26	3.14444E-24	0.270499	hyper	sig	chr4_103720114
chr12	4909998	4909998	+	7.602E-26	3.14542E-24	0.312288	hyper	sig	chr12_4909998
chr14	1.04E+08	104223814	+	7.607E-26	3.14725E-24	0.220073	hyper	sig	chr14_104223814
chr20	31473019	31473019	+	7.614E-26	3.15009E-24	-0.26882	hypo	sig	chr20_31473019
chr17	48582436	48582436	+	7.632E-26	3.15714E-24	-0.21083	hypo	sig	chr17_48582436
chr8	23703077	23703077	+	7.678E-26	3.17603E-24	0.201867	hyper	sig	chr8_23703077
chr16	89248140	89248140	+	7.698E-26	3.18392E-24	0.330952	hyper	sig	chr16_89248140
chr11	8169068	8169068	+	7.699E-26	3.18417E-24	0.226146	hyper	sig	chr11_8169068
chr8	22147924	22147924	+	7.699E-26	3.18417E-24	-0.26644	hypo	sig	chr8_22147924
chr5	1446122	1446122	+	7.701E-26	3.18489E-24	0.279577	hyper	sig	chr5_1446122
chr14	94773390	94773390	+	7.704E-26	3.18583E-24	0.281656	hyper	sig	chr14_94773390
chr14	36659502	36659502	+	7.709E-26	3.18797E-24	0.295429	hyper	sig	chr14_36659502
chr5	1.71E+08	171418054	+	7.756E-26	3.20706E-24	-0.30107	hypo	sig	chr5_171418054
chr7	1.51E+08	151404036	+	7.798E-26	3.22419E-24	-0.36493	hypo	sig	chr7_151404036
chr5	14414838	14414838	+	7.81E-26	3.22867E-24	0.255838	hyper	sig	chr5_14414838
chr6	1.68E+08	168356478	+	7.81E-26	3.22867E-24	-0.23699	hypo	sig	chr6_168356478
chr5	83471879	83471879	+	7.884E-26	3.25896E-24	0.248407	hyper	sig	chr5_83471879
chr21	36696349	36696349	+	7.892E-26	3.26208E-24	0.349345	hyper	sig	chr21_36696349
chr1	898976	898976	+	7.896E-26	3.26357E-24	-0.23233	hypo	sig	chr1_898976
chr11	67474691	67474691	+	7.904E-26	3.26667E-24	-0.26049	hypo	sig	chr11_67474691
chr7	1.51E+08	151188016	+	7.906E-26	3.26744E-24	-0.21863	hypo	sig	chr7_151188016
chr14	36504003	36504003	+	7.935E-26	3.27875E-24	0.21772	hyper	sig	chr14_36504003
chr6	83707762	83707762	+	7.939E-26	3.28042E-24	0.303617	hyper	sig	chr6_83707762
chr4	1.47E+08	146655412	+	7.943E-26	3.28183E-24	0.269994	hyper	sig	chr4_146655412
chr9	1.19E+08	119369871	+	7.978E-26	3.29587E-24	0.264303	hyper	sig	chr9_119369871
chr12	6142262	6142262	+	7.98E-26	3.29659E-24	-0.32485	hypo	sig	chr12_6142262
chr11	65557648	65557648	+	7.992E-26	3.30142E-24	0.272507	hyper	sig	chr11_65557648
chr6	57800279	57800279	+	8E-26	3.30471E-24	0.276674	hyper	sig	chr6_57800279
chr2	94857031	94857031	+	8.043E-26	3.32187E-24	0.29158	hyper	sig	chr2_94857031
chr4	1.4E+08	140426922	+	8.044E-26	3.32236E-24	0.243158	hyper	sig	chr4_140426922
chr3	1.47E+08	147421770	+	8.071E-26	3.3332E-24	0.242693	hyper	sig	chr3_147421770
chr19	53308839	53308839	+	8.078E-26	3.33568E-24	0.257747	hyper	sig	chr19_53308839
chr20	56625353	56625353	+	8.083E-26	3.3378E-24	0.217003	hyper	sig	chr20_56625353
chr15	81134295	81134295	+	8.118E-26	3.3517E-24	0.222052	hyper	sig	chr15_81134295
chr1	2.28E+08	228464619	+	8.126E-26	3.35458E-24	0.221067	hyper	sig	chr1_228464619
chr5	1.41E+08	141413906	+	8.125E-26	3.35458E-24	0.223871	hyper	sig	chr5_141413906
chr6	1.67E+08	166691195	+	8.132E-26	3.35697E-24	-0.37498	hypo	sig	chr6_166691195
chr16	88133318	88133318	+	8.134E-26	3.35752E-24	-0.20357	hypo	sig	chr16_88133318
chr11	856994	856994	+	8.149E-26	3.36348E-24	-0.2337	hypo	sig	chr11_856994

chr12	72271502	72271502	+	8.149E-26	3.36348E-24	0.217338	hyper	sig	chr12_72271502
chr15	55741824	55741824	+	8.16E-26	3.36807E-24	0.278277	hyper	sig	chr15_55741824
chr15	96783663	96783663	+	8.165E-26	3.36969E-24	-0.26421	hypo	sig	chr15_96783663
chr12	49961503	49961503	+	8.194E-26	3.3817E-24	0.260464	hyper	sig	chr12_49961503
chr13	1.12E+08	112057712	+	8.197E-26	3.38258E-24	0.256774	hyper	sig	chr13_112057712
chr15	83284933	83284933	+	8.197E-26	3.38258E-24	0.247069	hyper	sig	chr15_83284933
chr5	1.41E+08	141370565	+	8.216E-26	3.38998E-24	0.344395	hyper	sig	chr5_141370565
chr12	1.15E+08	114735899	+	8.222E-26	3.39242E-24	0.312729	hyper	sig	chr12_114735899
chr1	1.21E+08	121117962	+	8.236E-26	3.39795E-24	0.236295	hyper	sig	chr1_121117962
chr13	36345823	36345823	+	8.241E-26	3.39994E-24	0.313677	hyper	sig	chr13_36345823
chr12	1.11E+08	111033498	+	8.248E-26	3.40283E-24	0.310555	hyper	sig	chr12_111033498
chr5	51382587	51382587	+	8.292E-26	3.42054E-24	0.211543	hyper	sig	chr5_51382587
chr4	1.74E+08	173538282	+	8.311E-26	3.42846E-24	0.253451	hyper	sig	chr4_173538282
chr10	1.32E+08	132280896	+	8.318E-26	3.43101E-24	-0.28586	hypo	sig	chr10_132280896
chr4	41866167	41866167	+	8.344E-26	3.44162E-24	0.271396	hyper	sig	chr4_41866167
chr19	16283798	16283798	+	8.352E-26	3.44474E-24	0.259014	hyper	sig	chr19_16283798
chr1	31754601	31754601	+	8.36E-26	3.44777E-24	-0.25405	hypo	sig	chr1_31754601
chr1	1.44E+08	143905651	+	8.36E-26	3.44777E-24	0.225287	hyper	sig	chr1_143905651
chr6	50820237	50820237	+	8.367E-26	3.45032E-24	0.256436	hyper	sig	chr6_50820237
chr5	51382615	51382615	+	8.385E-26	3.45769E-24	0.253854	hyper	sig	chr5_51382615
chr10	1.33E+08	132851629	+	8.397E-26	3.4626E-24	-0.29515	hypo	sig	chr10_132851629
chr19	19534815	19534815	+	8.416E-26	3.47014E-24	-0.26718	hypo	sig	chr19_19534815
chr5	64506515	64506515	+	8.425E-26	3.47366E-24	0.201581	hyper	sig	chr5_64506515
chr2	1.15E+08	115162616	+	8.451E-26	3.48411E-24	0.332803	hyper	sig	chr2_115162616
chr11	1.23E+08	122977842	+	8.489E-26	3.49953E-24	0.273132	hyper	sig	chr11_122977842
chr16	2184964	2184964	+	8.491E-26	3.50003E-24	-0.30486	hypo	sig	chr16_2184964
chr2	1.76E+08	176109311	+	8.521E-26	3.51221E-24	0.225526	hyper	sig	chr2_176109311
chr14	1.05E+08	104740075	+	8.525E-26	3.51389E-24	-0.23145	hypo	sig	chr14_104740075
chr2	1.05E+08	104844910	+	8.532E-26	3.51636E-24	0.235401	hyper	sig	chr2_104844910
chr7	916110	916110	+	8.532E-26	3.51636E-24	-0.23381	hypo	sig	chr7_916110
chr12	1.17E+08	117357558	+	8.542E-26	3.5204E-24	-0.37843	hypo	sig	chr12_117357558
chr11	14643110	14643110	+	8.544E-26	3.52107E-24	-0.21548	hypo	sig	chr11_14643110
chr11	7252982	7252982	+	8.552E-26	3.52383E-24	0.276955	hyper	sig	chr11_7252982
chr11	35630293	35630293	+	8.557E-26	3.52602E-24	-0.35627	hypo	sig	chr11_35630293
chr13	57629963	57629963	+	8.559E-26	3.52671E-24	0.287485	hyper	sig	chr13_57629963
chr13	25468478	25468478	+	8.606E-26	3.54564E-24	0.272709	hyper	sig	chr13_25468478
chr19	1526563	1526563	+	8.613E-26	3.54848E-24	-0.27362	hypo	sig	chr19_1526563
chr2	1.3E+08	129979718	+	8.616E-26	3.54951E-24	0.201684	hyper	sig	chr2_129979718
chr10	1.24E+08	123973326	+	8.636E-26	3.55722E-24	0.227671	hyper	sig	chr10_123973326
chr12	48525602	48525602	+	8.641E-26	3.55899E-24	-0.24069	hypo	sig	chr12_48525602
chr10	1182501	1182501	+	8.642E-26	3.55927E-24	-0.25412	hypo	sig	chr10_1182501
chr4	13525074	13525074	+	8.691E-26	3.57909E-24	0.218464	hyper	sig	chr4_13525074
chr7	27106801	27106801	+	8.697E-26	3.5815E-24	0.226513	hyper	sig	chr7_27106801
chr13	25046850	25046850	+	8.713E-26	3.58806E-24	0.241422	hyper	sig	chr13_25046850
chr13	78597001	78597001	+	8.718E-26	3.58995E-24	0.232542	hyper	sig	chr13_78597001
chr19	57947178	57947178	+	8.762E-26	3.6077E-24	0.293458	hyper	sig	chr19_57947178
chr8	76683136	76683136	+	8.765E-26	3.60874E-24	0.279193	hyper	sig	chr8_76683136
chr7	1.57E+08	157425900	+	8.792E-26	3.61929E-24	-0.29578	hypo	sig	chr7_157425900
chr12	62191367	62191367	+	8.811E-26	3.62712E-24	0.288494	hyper	sig	chr12_62191367
chr5	88695554	88695554	+	8.816E-26	3.629E-24	0.351106	hyper	sig	chr5_88695554
chr7	57868104	57868104	+	8.822E-26	3.63122E-24	0.329773	hyper	sig	chr7_57868104
chr19	28727059	28727059	+	8.826E-26	3.63261E-24	0.356044	hyper	sig	chr19_28727059
chr10	1.3E+08	129972552	+	8.837E-26	3.63692E-24	0.308957	hyper	sig	chr10_129972552
chr19	37551544	37551544	+	8.837E-26	3.63694E-24	0.228184	hyper	sig	chr19_37551544
chr14	1.01E+08	100826367	+	8.842E-26	3.63853E-24	0.20835	hyper	sig	chr14_100826367
chr16	31010994	31010994	+	8.843E-26	3.63853E-24	0.222075	hyper	sig	chr16_31010994

chr17	68198843	68198843	+	8.843E-26	3.63853E-24	0.265205	hyper	sig	chr17_68198843
chr5	3606447	3606447	+	8.842E-26	3.63853E-24	0.276284	hyper	sig	chr5_3606447
chr7	19119043	19119043	+	8.864E-26	3.64687E-24	0.25173	hyper	sig	chr7_19119043
chr6	29792195	29792195	+	8.883E-26	3.65445E-24	0.284945	hyper	sig	chr6_29792195
chr3	1.38E+08	137770858	+	8.913E-26	3.66626E-24	0.294007	hyper	sig	chr3_137770858
chr16	85484067	85484067	+	8.928E-26	3.67236E-24	-0.24003	hypo	sig	chr16_85484067
chr2	86789130	86789130	+	8.963E-26	3.68623E-24	0.291907	hyper	sig	chr2_86789130
chr10	1.32E+08	132274717	+	8.981E-26	3.69339E-24	-0.2585	hypo	sig	chr10_132274717
chr4	1.09E+08	109302001	+	8.987E-26	3.69566E-24	0.295329	hyper	sig	chr4_109302001
chr1	2.29E+08	229434051	+	8.995E-26	3.69886E-24	0.249719	hyper	sig	chr1_229434051
chr3	1.72E+08	172448480	+	9.015E-26	3.70668E-24	0.259579	hyper	sig	chr3_172448480
chr19	58581346	58581346	+	9.03E-26	3.71292E-24	0.233347	hyper	sig	chr19_58581346
chr11	1.34E+08	134068862	+	9.048E-26	3.72E-24	0.205475	hyper	sig	chr11_134068862
chr2	1.71E+08	170815281	+	9.064E-26	3.72641E-24	0.283631	hyper	sig	chr2_170815281
chr9	1.37E+08	136739712	+	9.072E-26	3.72968E-24	-0.24594	hypo	sig	chr9_136739712
chr4	5051358	5051358	+	9.082E-26	3.73341E-24	0.307081	hyper	sig	chr4_5051358
chr6	27495428	27495428	+	9.082E-26	3.73341E-24	0.25216	hyper	sig	chr6_27495428
chr10	3096259	3096259	+	9.083E-26	3.7337E-24	-0.20924	hypo	sig	chr10_3096259
chr16	54290298	54290298	+	9.087E-26	3.73508E-24	0.243054	hyper	sig	chr16_54290298
chr2	5696234	5696234	+	9.089E-26	3.73551E-24	0.376446	hyper	sig	chr2_5696234
chr8	1.41E+08	141289585	+	9.102E-26	3.7409E-24	-0.21209	hypo	sig	chr8_141289585
chr19	53520648	53520648	+	9.11E-26	3.74364E-24	0.232689	hyper	sig	chr19_53520648
chr5	1.56E+08	155729559	+	9.113E-26	3.74456E-24	0.269823	hyper	sig	chr5_155729559
chr17	9918135	9918135	+	9.115E-26	3.7454E-24	-0.25912	hypo	sig	chr17_9918135
chr8	1.4E+08	140238533	+	9.132E-26	3.75186E-24	-0.23532	hypo	sig	chr8_140238533
chr6	1.37E+08	137045355	+	9.143E-26	3.75606E-24	-0.24117	hypo	sig	chr6_137045355
chr2	95025386	95025386	+	9.143E-26	3.75622E-24	0.263803	hyper	sig	chr2_95025386
chr17	81412598	81412598	+	9.148E-26	3.75809E-24	-0.23777	hypo	sig	chr17_81412598
chr4	41359792	41359792	+	9.205E-26	3.78084E-24	-0.42505	hypo	sig	chr4_41359792
chr6	1.68E+08	168414356	+	9.215E-26	3.78494E-24	0.260344	hyper	sig	chr6_168414356
chr17	35448679	35448679	+	9.237E-26	3.7939E-24	0.24486	hyper	sig	chr17_35448679
chr3	1.2E+08	119810288	+	9.243E-26	3.79604E-24	0.255963	hyper	sig	chr3_119810288
chr6	29828137	29828137	+	9.259E-26	3.80247E-24	0.245902	hyper	sig	chr6_29828137
chr2	2.38E+08	238139915	+	9.265E-26	3.80464E-24	-0.2676	hypo	sig	chr2_238139915
chr9	1.35E+08	135175007	+	9.279E-26	3.81024E-24	-0.31149	hypo	sig	chr9_135175007
chr11	1.19E+08	119372015	+	9.3E-26	3.81855E-24	-0.2779	hypo	sig	chr11_119372015
chr4	1.72E+08	171812596	+	9.322E-26	3.82734E-24	0.269495	hyper	sig	chr4_171812596
chr10	1.16E+08	116273424	+	9.327E-26	3.82875E-24	0.201571	hyper	sig	chr10_116273424
chr8	1.42E+08	142451374	+	9.326E-26	3.82875E-24	0.268366	hyper	sig	chr8_142451374
chr5	73444866	73444866	+	9.34E-26	3.83406E-24	0.234754	hyper	sig	chr5_73444866
chr19	22052749	22052749	+	9.345E-26	3.83579E-24	0.255653	hyper	sig	chr19_22052749
chr9	99369689	99369689	+	9.359E-26	3.84135E-24	-0.21181	hypo	sig	chr9_99369689
chr18	78981126	78981126	+	9.385E-26	3.85166E-24	0.254718	hyper	sig	chr18_78981126
chr1	1.72E+08	171841201	+	9.404E-26	3.8595E-24	0.227432	hyper	sig	chr1_171841201
chr15	55741834	55741834	+	9.415E-26	3.86389E-24	0.285222	hyper	sig	chr15_55741834
chr12	49961514	49961514	+	9.416E-26	3.864E-24	0.227659	hyper	sig	chr12_49961514
chr17	80823268	80823268	+	9.438E-26	3.87276E-24	-0.30379	hypo	sig	chr17_80823268
chr6	99602921	99602921	+	9.454E-26	3.87926E-24	0.209102	hyper	sig	chr6_99602921
chr19	57240347	57240347	+	9.467E-26	3.88408E-24	0.234159	hyper	sig	chr19_57240347
chr5	1.59E+08	159100852	+	9.49E-26	3.89364E-24	0.389085	hyper	sig	chr5_159100852
chr1	63320232	63320232	+	9.5E-26	3.89726E-24	0.246312	hyper	sig	chr1_63320232
chr16	86619570	86619570	+	9.506E-26	3.89955E-24	-0.31175	hypo	sig	chr16_86619570
chr6	1.67E+08	166771507	+	9.508E-26	3.90048E-24	-0.24637	hypo	sig	chr6_166771507
chr4	1.84E+08	184009321	+	9.515E-26	3.90302E-24	-0.21992	hypo	sig	chr4_184009321
chr11	1.11E+08	111300592	+	9.517E-26	3.90334E-24	-0.278	hypo	sig	chr11_111300592
chr14	41605759	41605759	+	9.516E-26	3.90334E-24	0.216852	hyper	sig	chr14_41605759

chr21	46296606	46296606	+	9.521E-26	3.90484E-24	0.232419	hyper	sig	chr21_46296606
chr8	48649238	48649238	+	9.563E-26	3.92167E-24	0.280692	hyper	sig	chr8_48649238
chr16	3184289	3184289	+	9.585E-26	3.93073E-24	0.295185	hyper	sig	chr16_3184289
chr10	11165927	11165927	+	9.589E-26	3.93219E-24	0.287614	hyper	sig	chr10_11165927
chr4	1.9E+08	190017954	+	9.612E-26	3.94149E-24	0.244557	hyper	sig	chr4_190017954
chr14	26598445	26598445	+	9.626E-26	3.94676E-24	0.282031	hyper	sig	chr14_26598445
chr21	33025470	33025470	+	9.627E-26	3.94695E-24	0.28137	hyper	sig	chr21_33025470
chr17	75784234	75784234	+	9.631E-26	3.94855E-24	-0.22945	hypo	sig	chr17_75784234
chr2	2.27E+08	227167266	+	9.649E-26	3.95584E-24	-0.29714	hypo	sig	chr2_227167266
chr20	40690743	40690743	+	9.654E-26	3.95757E-24	0.266322	hyper	sig	chr20_40690743
chr12	1.15E+08	114697222	+	9.661E-26	3.96031E-24	0.210389	hyper	sig	chr12_114697222
chr12	40692995	40692995	+	9.677E-26	3.9663E-24	0.245775	hyper	sig	chr12_40692995
chr7	27106804	27106804	+	9.677E-26	3.96638E-24	0.224397	hyper	sig	chr7_27106804
chr1	47443862	47443862	+	9.689E-26	3.97106E-24	0.469799	hyper	sig	chr1_47443862
chr7	1.55E+08	155465548	+	9.707E-26	3.97799E-24	0.246379	hyper	sig	chr7_155465548
chr11	1.32E+08	131910501	+	9.711E-26	3.97957E-24	0.278953	hyper	sig	chr11_131910501
chr11	79189860	79189860	+	9.757E-26	3.99808E-24	-0.25904	hypo	sig	chr11_79189860
chr17	4785977	4785977	+	9.773E-26	4.00445E-24	0.293695	hyper	sig	chr17_4785977
chr10	27745130	27745130	+	9.776E-26	4.00554E-24	0.308032	hyper	sig	chr10_27745130
chr2	1.76E+08	176159550	+	9.804E-26	4.01702E-24	-0.22043	hypo	sig	chr2_176159550
chr17	4785989	4785989	+	9.805E-26	4.01715E-24	0.304632	hyper	sig	chr17_4785989
chr6	36285280	36285280	+	9.814E-26	4.02035E-24	0.254477	hyper	sig	chr6_36285280
chr16	88691180	88691180	+	9.815E-26	4.02069E-24	-0.25061	hypo	sig	chr16_88691180
chr7	1.5E+08	149883827	+	9.818E-26	4.02173E-24	-0.20811	hypo	sig	chr7_149883827
chr14	1.05E+08	104564856	+	9.832E-26	4.02733E-24	-0.21757	hypo	sig	chr14_104564856
chr20	45097890	45097890	+	9.845E-26	4.03262E-24	0.25162	hyper	sig	chr20_45097890
chr10	6120787	6120787	+	9.85E-26	4.03413E-24	-0.2553	hypo	sig	chr10_6120787
chr10	1.33E+08	132701141	+	9.868E-26	4.0416E-24	-0.23622	hypo	sig	chr10_132701141
chr10	1.33E+08	133085443	+	9.904E-26	4.0559E-24	-0.21292	hypo	sig	chr10_133085443
chr7	1.5E+08	150047260	+	9.925E-26	4.06408E-24	0.2221	hyper	sig	chr7_150047260
chr14	28774484	28774484	+	9.926E-26	4.06453E-24	0.238746	hyper	sig	chr14_28774484
chr6	1.7E+08	170423268	+	9.941E-26	4.07028E-24	0.242805	hyper	sig	chr6_170423268
chr19	4559766	4559766	+	1E-25	4.09439E-24	-0.35356	hypo	sig	chr19_4559766
chr14	36523120	36523120	+	1.002E-25	4.10014E-24	0.348299	hyper	sig	chr14_36523120
chr10	1.3E+08	129969765	+	1.003E-25	4.10469E-24	0.206055	hyper	sig	chr10_129969765
chr6	50851170	50851170	+	1.005E-25	4.11312E-24	0.228542	hyper	sig	chr6_50851170
chr5	3594064	3594064	+	1.005E-25	4.11544E-24	0.280252	hyper	sig	chr5_3594064
chr2	45170818	45170818	+	1.006E-25	4.1179E-24	0.288112	hyper	sig	chr2_45170818
chr11	17720638	17720638	+	1.007E-25	4.12036E-24	0.370279	hyper	sig	chr11_17720638
chr7	19143956	19143956	+	1.012E-25	4.14183E-24	0.248867	hyper	sig	chr7_19143956
chr19	19534775	19534775	+	1.013E-25	4.14454E-24	-0.29368	hypo	sig	chr19_19534775
chr3	1.27E+08	126559177	+	1.014E-25	4.15014E-24	-0.25457	hypo	sig	chr3_126559177
chr8	71558897	71558897	+	1.016E-25	4.15599E-24	0.298951	hyper	sig	chr8_71558897
chr5	51382589	51382589	+	1.016E-25	4.1579E-24	0.211787	hyper	sig	chr5_51382589
chr16	49277825	49277825	+	1.018E-25	4.16362E-24	0.290403	hyper	sig	chr16_49277825
chr11	2274538	2274538	+	1.018E-25	4.16402E-24	0.259724	hyper	sig	chr11_2274538
chr7	1.37E+08	136871430	+	1.019E-25	4.1692E-24	0.243549	hyper	sig	chr7_136871430
chr9	971544	971544	+	1.02E-25	4.17242E-24	0.336856	hyper	sig	chr9_971544
chr6	10382557	10382557	+	1.021E-25	4.1774E-24	0.287609	hyper	sig	chr6_10382557
chr22	44172507	44172507	+	1.027E-25	4.20103E-24	-0.22993	hypo	sig	chr22_44172507
chr17	4785983	4785983	+	1.027E-25	4.20141E-24	0.305831	hyper	sig	chr17_4785983
chr20	21514051	21514051	+	1.03E-25	4.21008E-24	0.236603	hyper	sig	chr20_21514051
chr16	7304722	7304722	+	1.031E-25	4.21683E-24	0.264159	hyper	sig	chr16_7304722
chr6	1.27E+08	127120525	+	1.032E-25	4.22009E-24	0.207371	hyper	sig	chr6_127120525
chr10	1.33E+08	133114718	+	1.033E-25	4.223E-24	-0.20806	hypo	sig	chr10_133114718
chr16	89916110	89916110	+	1.036E-25	4.2354E-24	-0.28108	hypo	sig	chr16_89916110

chr2	1.85E+08	184598120	+	1.036E-25	4.2354E-24	0.208256	hyper	sig	chr2_184598120
chr5	1.41E+08	141432075	+	1.036E-25	4.2354E-24	0.252022	hyper	sig	chr5_141432075
chr19	57889236	57889236	+	1.039E-25	4.24863E-24	0.251338	hyper	sig	chr19_57889236
chr4	1.66E+08	165874761	+	1.04E-25	4.25015E-24	0.318453	hyper	sig	chr4_165874761
chr10	1.3E+08	129886572	+	1.04E-25	4.25177E-24	-0.23723	hypo	sig	chr10_129886572
chr1	3593981	3593981	+	1.043E-25	4.26447E-24	-0.29454	hypo	sig	chr1_3593981
chr1	2.08E+08	207669700	+	1.044E-25	4.26574E-24	0.310727	hyper	sig	chr1_207669700
chr14	28774051	28774051	+	1.045E-25	4.27068E-24	0.269254	hyper	sig	chr14_28774051
chr15	82681052	82681052	+	1.048E-25	4.28062E-24	0.318721	hyper	sig	chr15_82681052
chr6	33165593	33165593	+	1.048E-25	4.28156E-24	-0.21149	hypo	sig	chr6_33165593
chr11	1339083	1339083	+	1.049E-25	4.28423E-24	-0.20843	hypo	sig	chr11_1339083
chr1	14910764	14910764	+	1.051E-25	4.29404E-24	-0.26084	hypo	sig	chr1_14910764
chr2	5692832	5692832	+	1.054E-25	4.30484E-24	0.299083	hyper	sig	chr2_5692832
chr20	21397060	21397060	+	1.055E-25	4.31043E-24	0.253337	hyper	sig	chr20_21397060
chr11	31825272	31825272	+	1.058E-25	4.3222E-24	0.249156	hyper	sig	chr11_31825272
chr10	1.09E+08	108911875	+	1.059E-25	4.32633E-24	0.213239	hyper	sig	chr10_108911875
chr8	96159510	96159510	+	1.06E-25	4.32779E-24	0.238549	hyper	sig	chr8_96159510
chr5	11903187	11903187	+	1.06E-25	4.32976E-24	0.241756	hyper	sig	chr5_11903187
chr7	2567172	2567172	+	1.06E-25	4.3306E-24	0.25	hyper	sig	chr7_2567172
chr20	63178586	63178586	+	1.061E-25	4.33395E-24	0.246145	hyper	sig	chr20_63178586
chr12	1.31E+08	131133487	+	1.061E-25	4.33428E-24	-0.25298	hypo	sig	chr12_131133487
chr13	35478661	35478661	+	1.062E-25	4.33428E-24	0.340786	hyper	sig	chr13_35478661
chr13	1.1E+08	110306708	+	1.063E-25	4.33833E-24	0.313174	hyper	sig	chr13_110306708
chr1	75130278	75130278	+	1.063E-25	4.33944E-24	0.247676	hyper	sig	chr1_75130278
chr19	32870126	32870126	+	1.064E-25	4.34239E-24	-0.29868	hypo	sig	chr19_32870126
chr20	56926034	56926034	+	1.065E-25	4.34612E-24	0.249542	hyper	sig	chr20_56926034
chr11	61895499	61895499	+	1.066E-25	4.35014E-24	-0.27458	hypo	sig	chr11_61895499
chr17	81050298	81050298	+	1.066E-25	4.35134E-24	-0.31274	hypo	sig	chr17_81050298
chr19	21475232	21475232	+	1.068E-25	4.36086E-24	0.315767	hyper	sig	chr19_21475232
chr2	1.3E+08	130051069	+	1.072E-25	4.37591E-24	-0.24953	hypo	sig	chr2_130051069
chr4	1405375	1405375	+	1.072E-25	4.37593E-24	0.308808	hyper	sig	chr4_1405375
chr2	1059101	1059101	+	1.073E-25	4.37755E-24	-0.22893	hypo	sig	chr2_1059101
chr10	1.33E+08	132701161	+	1.074E-25	4.38452E-24	-0.22592	hypo	sig	chr10_132701161
chr12	1.1E+08	109606763	+	1.075E-25	4.38465E-24	-0.29031	hypo	sig	chr12_109606763
chr17	78645331	78645331	+	1.075E-25	4.38489E-24	-0.25423	hypo	sig	chr17_78645331
chr10	1.33E+08	133263085	+	1.076E-25	4.38831E-24	-0.21236	hypo	sig	chr10_133263085
chr1	1.6E+08	159929740	+	1.078E-25	4.39654E-24	-0.2513	hypo	sig	chr1_159929740
chr4	1.11E+08	110618410	+	1.078E-25	4.39935E-24	0.243415	hyper	sig	chr4_110618410
chr1	1.19E+08	118990150	+	1.081E-25	4.41173E-24	0.212739	hyper	sig	chr1_118990150
chr10	1550767	1550767	+	1.082E-25	4.41231E-24	-0.26434	hypo	sig	chr10_1550767
chr11	67452063	67452063	+	1.082E-25	4.41235E-24	-0.21376	hypo	sig	chr11_67452063
chr7	55213109	55213109	+	1.083E-25	4.41755E-24	-0.30432	hypo	sig	chr7_55213109
chr19	49049458	49049458	+	1.087E-25	4.43268E-24	-0.21655	hypo	sig	chr19_49049458
chr7	1.58E+08	157668602	+	1.089E-25	4.4423E-24	0.229109	hyper	sig	chr7_157668602
chr1	26410850	26410850	+	1.095E-25	4.46533E-24	0.310271	hyper	sig	chr1_26410850
chr13	77919386	77919386	+	1.098E-25	4.47782E-24	0.228368	hyper	sig	chr13_77919386
chr7	27103762	27103762	+	1.099E-25	4.48216E-24	0.209872	hyper	sig	chr7_27103762
chr1	6968201	6968201	+	1.1E-25	4.48304E-24	-0.23881	hypo	sig	chr1_6968201
chr4	1349034	1349034	+	1.104E-25	4.50211E-24	-0.2252	hypo	sig	chr4_1349034
chr11	20671245	20671245	+	1.113E-25	4.5383E-24	0.245414	hyper	sig	chr11_20671245
chr1	75135395	75135395	+	1.115E-25	4.5458E-24	0.23821	hyper	sig	chr1_75135395
chr17	80450497	80450497	+	1.116E-25	4.55E-24	-0.21793	hypo	sig	chr17_80450497
chr20	51003973	51003973	+	1.12E-25	4.56516E-24	-0.26549	hypo	sig	chr20_51003973
chr9	1.1E+08	109640235	+	1.121E-25	4.56851E-24	0.208807	hyper	sig	chr9_109640235
chr6	1.68E+08	167993532	+	1.122E-25	4.57411E-24	0.366475	hyper	sig	chr6_167993532
chr11	1060659	1060659	+	1.123E-25	4.57459E-24	-0.2729	hypo	sig	chr11_1060659

chr13	1.02E+08	102400478	+	1.123E-25	4.57459E-24	0.269385	hyper	sig	chr13_102400478
chr12	98745714	98745714	+	1.124E-25	4.57883E-24	0.207953	hyper	sig	chr12_98745714
chr8	1.43E+08	143212255	+	1.125E-25	4.584E-24	-0.2361	hypo	sig	chr8_143212255
chr8	11704260	11704260	+	1.125E-25	4.58519E-24	0.334187	hyper	sig	chr8_11704260
chr3	1.58E+08	158095623	+	1.128E-25	4.59506E-24	0.290301	hyper	sig	chr3_158095623
chr9	88991084	88991084	+	1.128E-25	4.59658E-24	0.302914	hyper	sig	chr9_88991084
chr3	1.28E+08	128481938	+	1.131E-25	4.6083E-24	0.242109	hyper	sig	chr3_128481938
chr8	48735598	48735598	+	1.131E-25	4.6083E-24	0.24719	hyper	sig	chr8_48735598
chr8	56113152	56113152	+	1.134E-25	4.61988E-24	0.279094	hyper	sig	chr8_56113152
chr5	83471806	83471806	+	1.135E-25	4.6237E-24	0.227065	hyper	sig	chr5_83471806
chr1	6244418	6244418	+	1.137E-25	4.63209E-24	0.200036	hyper	sig	chr1_6244418
chr4	1.55E+08	155209008	+	1.146E-25	4.66834E-24	0.291451	hyper	sig	chr4_155209008
chr2	2.22E+08	222302817	+	1.152E-25	4.68979E-24	0.235335	hyper	sig	chr2_222302817
chr2	85668242	85668242	+	1.152E-25	4.69034E-24	-0.3349	hypo	sig	chr2_85668242
chr4	5897313	5897313	+	1.153E-25	4.69405E-24	-0.32843	hypo	sig	chr4_5897313
chr17	975215	975215	+	1.154E-25	4.69672E-24	-0.22156	hypo	sig	chr17_975215
chr3	1.82E+08	181696059	+	1.156E-25	4.70473E-24	0.20062	hyper	sig	chr3_181696059
chr6	31507225	31507225	+	1.157E-25	4.71142E-24	-0.20517	hypo	sig	chr6_31507225
chr11	1.29E+08	128810595	+	1.16E-25	4.72307E-24	-0.20937	hypo	sig	chr11_128810595
chr8	22690192	22690192	+	1.161E-25	4.72541E-24	0.239899	hyper	sig	chr8_22690192
chr16	55656649	55656649	+	1.164E-25	4.73873E-24	0.243795	hyper	sig	chr16_55656649
chr22	43090466	43090466	+	1.165E-25	4.74144E-24	-0.24922	hypo	sig	chr22_43090466
chr19	36331764	36331764	+	1.168E-25	4.75444E-24	0.26582	hyper	sig	chr19_36331764
chr7	1.51E+08	151380332	+	1.169E-25	4.75671E-24	-0.23926	hypo	sig	chr7_151380332
chr14	36659585	36659585	+	1.173E-25	4.77389E-24	0.259963	hyper	sig	chr14_36659585
chr11	1.3E+08	129743765	+	1.177E-25	4.7883E-24	-0.29887	hypo	sig	chr11_129743765
chr13	78607810	78607810	+	1.177E-25	4.79072E-24	0.295691	hyper	sig	chr13_78607810
chr11	66049107	66049107	+	1.178E-25	4.79207E-24	0.312831	hyper	sig	chr11_66049107
chr10	1.32E+08	132115457	+	1.179E-25	4.79545E-24	-0.24056	hypo	sig	chr10_132115457
chr14	36523060	36523060	+	1.18E-25	4.80032E-24	0.254515	hyper	sig	chr14_36523060
chr1	34928254	34928254	+	1.182E-25	4.80898E-24	-0.39519	hypo	sig	chr1_34928254
chr4	1.11E+08	110618305	+	1.183E-25	4.81324E-24	0.210238	hyper	sig	chr4_110618305
chr9	1.36E+08	136335306	+	1.184E-25	4.81475E-24	-0.36309	hypo	sig	chr9_136335306
chr2	2.32E+08	232486365	+	1.188E-25	4.82953E-24	0.202702	hyper	sig	chr2_232486365
chr5	64507170	64507170	+	1.188E-25	4.82953E-24	0.391177	hyper	sig	chr5_64507170
chr19	46468105	46468105	+	1.19E-25	4.83987E-24	-0.29059	hypo	sig	chr19_46468105
chr5	6349370	6349370	+	1.19E-25	4.83987E-24	-0.24053	hypo	sig	chr5_6349370
chr19	57600306	57600306	+	1.193E-25	4.84902E-24	0.235494	hyper	sig	chr19_57600306
chr12	52368993	52368993	+	1.194E-25	4.85349E-24	-0.23245	hypo	sig	chr12_52368993
chr8	11700681	11700681	+	1.194E-25	4.85506E-24	0.222682	hyper	sig	chr8_11700681
chr10	1.33E+08	132938572	+	1.2E-25	4.87986E-24	-0.21398	hypo	sig	chr10_132938572
chr7	1513535	1513535	+	1.201E-25	4.88116E-24	-0.26952	hypo	sig	chr7_1513535
chr18	47249095	47249095	+	1.202E-25	4.88462E-24	0.280326	hyper	sig	chr18_47249095
chr17	6714278	6714278	+	1.204E-25	4.89454E-24	0.263406	hyper	sig	chr17_6714278
chr6	1E+08	100447369	+	1.204E-25	4.89504E-24	0.232851	hyper	sig	chr6_100447369
chr19	40568205	40568205	+	1.207E-25	4.90484E-24	0.236066	hyper	sig	chr19_40568205
chr12	6824396	6824396	+	1.21E-25	4.91555E-24	-0.23284	hypo	sig	chr12_6824396
chr2	5692852	5692852	+	1.211E-25	4.92243E-24	0.284993	hyper	sig	chr2_5692852
chr12	52601506	52601506	+	1.214E-25	4.93504E-24	0.248935	hyper	sig	chr12_52601506
chr10	23200351	23200351	+	1.216E-25	4.94112E-24	0.338572	hyper	sig	chr10_23200351
chr20	17227987	17227987	+	1.216E-25	4.94195E-24	0.287281	hyper	sig	chr20_17227987
chr1	58249924	58249924	+	1.218E-25	4.94991E-24	0.223309	hyper	sig	chr1_58249924
chr14	74218162	74218162	+	1.219E-25	4.9518E-24	-0.31531	hypo	sig	chr14_74218162
chr18	14748221	14748221	+	1.224E-25	4.9712E-24	0.251507	hyper	sig	chr18_14748221
chr11	1.02E+08	101584092	+	1.227E-25	4.98276E-24	0.263429	hyper	sig	chr11_101584092
chr5	1.54E+08	154198439	+	1.228E-25	4.98854E-24	-0.29034	hypo	sig	chr5_154198439

chr12	1.3E+08	130447607	+	1.232E-25	5.00376E-24	-0.24758	hypo	sig	chr12_130447607
chr6	1.69E+08	168999601	+	1.232E-25	5.00425E-24	-0.2933	hypo	sig	chr6_168999601
chr5	1.16E+08	115961938	+	1.235E-25	5.01783E-24	0.347584	hyper	sig	chr5_115961938
chr18	80108883	80108883	+	1.239E-25	5.03071E-24	-0.22122	hypo	sig	chr18_80108883
chr4	1404329	1404329	+	1.241E-25	5.03814E-24	0.253145	hyper	sig	chr4_1404329
chr4	3370201	3370201	+	1.241E-25	5.03814E-24	0.213537	hyper	sig	chr4_3370201
chr5	77639181	77639181	+	1.241E-25	5.03817E-24	0.284493	hyper	sig	chr5_77639181
chr3	13073668	13073668	+	1.245E-25	5.05652E-24	0.228632	hyper	sig	chr3_13073668
chr1	1.45E+08	144552121	+	1.248E-25	5.06653E-24	0.249873	hyper	sig	chr1_144552121
chr8	1.44E+08	144050430	+	1.25E-25	5.07412E-24	0.254253	hyper	sig	chr8_144050430
chr2	1.3E+08	129801621	+	1.251E-25	5.07672E-24	-0.23804	hypo	sig	chr2_129801621
chr7	921685	921685	+	1.254E-25	5.09009E-24	-0.22531	hypo	sig	chr7_921685
chr6	29794128	29794128	+	1.259E-25	5.11086E-24	-0.26677	hypo	sig	chr6_29794128
chr19	43624885	43624885	+	1.263E-25	5.12632E-24	-0.27156	hypo	sig	chr19_43624885
chr15	89410051	89410051	+	1.272E-25	5.16388E-24	0.278013	hyper	sig	chr15_89410051
chr5	1.33E+08	132748376	+	1.273E-25	5.16499E-24	-0.31778	hypo	sig	chr5_132748376
chr10	1.33E+08	132851463	+	1.273E-25	5.16515E-24	-0.24016	hypo	sig	chr10_132851463
chr2	10316158	10316158	+	1.273E-25	5.16547E-24	-0.28151	hypo	sig	chr2_10316158
chr16	55332109	55332109	+	1.276E-25	5.1766E-24	0.291597	hyper	sig	chr16_55332109
chr10	1.3E+08	129852197	+	1.28E-25	5.19524E-24	-0.2638	hypo	sig	chr10_129852197
chr11	32437207	32437207	+	1.283E-25	5.20441E-24	0.24249	hyper	sig	chr11_32437207
chr18	47251838	47251838	+	1.285E-25	5.21214E-24	0.274125	hyper	sig	chr18_47251838
chr10	27745143	27745143	+	1.286E-25	5.21492E-24	0.303965	hyper	sig	chr10_27745143
chr17	80178697	80178697	+	1.294E-25	5.2467E-24	-0.27243	hypo	sig	chr17_80178697
chr4	7435365	7435365	+	1.295E-25	5.25354E-24	-0.2539	hypo	sig	chr4_7435365
chr11	1.3E+08	129743876	+	1.3E-25	5.27107E-24	-0.309	hypo	sig	chr11_129743876
chr1	38134534	38134534	+	1.301E-25	5.2769E-24	0.224682	hyper	sig	chr1_38134534
chr4	1.83E+08	182842409	+	1.303E-25	5.28103E-24	-0.25092	hypo	sig	chr4_182842409
chr10	49397579	49397579	+	1.306E-25	5.2936E-24	0.222427	hyper	sig	chr10_49397579
chr21	45362580	45362580	+	1.308E-25	5.30032E-24	-0.23851	hypo	sig	chr21_45362580
chr6	32394849	32394849	+	1.311E-25	5.31289E-24	-0.2487	hypo	sig	chr6_32394849
chr18	25349223	25349223	+	1.314E-25	5.32618E-24	0.236675	hyper	sig	chr18_25349223
chr1	2.08E+08	207669846	+	1.314E-25	5.32723E-24	0.214931	hyper	sig	chr1_207669846
chr1	75137192	75137192	+	1.315E-25	5.32825E-24	0.266318	hyper	sig	chr1_75137192
chr10	1.31E+08	131310766	+	1.315E-25	5.32972E-24	0.285181	hyper	sig	chr10_131310766
chr17	38578575	38578575	+	1.317E-25	5.33812E-24	0.226346	hyper	sig	chr17_38578575
chr19	58356335	58356335	+	1.322E-25	5.35603E-24	0.251615	hyper	sig	chr19_58356335
chr16	66579198	66579198	+	1.324E-25	5.36541E-24	0.213691	hyper	sig	chr16_66579198
chr8	54454274	54454274	+	1.324E-25	5.36549E-24	0.268875	hyper	sig	chr8_54454274
chr6	6004674	6004674	+	1.325E-25	5.36934E-24	0.219548	hyper	sig	chr6_6004674
chr3	1.38E+08	137764854	+	1.33E-25	5.38757E-24	0.257588	hyper	sig	chr3_137764854
chr8	96159104	96159104	+	1.334E-25	5.40338E-24	0.291885	hyper	sig	chr8_96159104
chr10	1.01E+08	101136883	+	1.334E-25	5.40516E-24	0.218312	hyper	sig	chr10_101136883
chr5	1446128	1446128	+	1.338E-25	5.41991E-24	0.270775	hyper	sig	chr5_1446128
chr1	9275820	9275820	+	1.341E-25	5.43268E-24	-0.23928	hypo	sig	chr1_9275820
chr10	1.33E+08	133106828	+	1.345E-25	5.44806E-24	-0.28021	hypo	sig	chr10_133106828
chr20	23048424	23048424	+	1.348E-25	5.46015E-24	0.287194	hyper	sig	chr20_23048424
chr16	49275291	49275291	+	1.354E-25	5.48299E-24	0.249098	hyper	sig	chr16_49275291
chr3	68931440	68931440	+	1.355E-25	5.48783E-24	0.264679	hyper	sig	chr3_68931440
chr17	82321159	82321159	+	1.356E-25	5.49048E-24	-0.32151	hypo	sig	chr17_82321159
chr13	87674346	87674346	+	1.356E-25	5.49212E-24	0.206831	hyper	sig	chr13_87674346
chr3	1.47E+08	147407272	+	1.356E-25	5.49212E-24	0.221464	hyper	sig	chr3_147407272
chr3	50358226	50358226	+	1.357E-25	5.49303E-24	-0.25282	hypo	sig	chr3_50358226
chr18	10589115	10589115	+	1.357E-25	5.49348E-24	-0.2955	hypo	sig	chr18_10589115
chr7	97022312	97022312	+	1.358E-25	5.49624E-24	0.23578	hyper	sig	chr7_97022312
chr17	68198919	68198919	+	1.359E-25	5.50063E-24	0.264688	hyper	sig	chr17_68198919

chr1	6086953	6086953	+	1.359E-25	5.50118E-24	-0.38806	hypo	sig	chr1_6086953
chr7	2567207	2567207	+	1.36E-25	5.50268E-24	0.25142	hyper	sig	chr7_2567207
chr2	1.31E+08	130964701	+	1.361E-25	5.5066E-24	0.210432	hyper	sig	chr2_130964701
chr2	2.4E+08	239729114	+	1.361E-25	5.50926E-24	-0.26707	hypo	sig	chr2_239729114
chr2	2.37E+08	236568054	+	1.365E-25	5.52254E-24	0.244207	hyper	sig	chr2_236568054
chr8	72538301	72538301	+	1.365E-25	5.52415E-24	0.35405	hyper	sig	chr8_72538301
chr3	1.47E+08	147396650	+	1.37E-25	5.54499E-24	0.223934	hyper	sig	chr3_147396650
chr16	23836204	23836204	+	1.371E-25	5.54519E-24	0.233681	hyper	sig	chr16_23836204
chr7	64495366	64495366	+	1.372E-25	5.55247E-24	0.31567	hyper	sig	chr7_64495366
chr10	1.33E+08	132817606	+	1.374E-25	5.55745E-24	-0.29093	hypo	sig	chr10_132817606
chr17	8965242	8965242	+	1.375E-25	5.56328E-24	0.266702	hyper	sig	chr17_8965242
chr5	1.41E+08	140882765	+	1.378E-25	5.57258E-24	0.282149	hyper	sig	chr5_140882765
chr12	8018920	8018920	+	1.38E-25	5.58291E-24	0.217318	hyper	sig	chr12_8018920
chr2	9212874	9212874	+	1.381E-25	5.58677E-24	-0.27341	hypo	sig	chr2_9212874
chr3	1.38E+08	137761827	+	1.386E-25	5.60437E-24	0.328879	hyper	sig	chr3_137761827
chr1	1333513	1333513	+	1.386E-25	5.6068E-24	-0.27648	hypo	sig	chr1_1333513
chr19	49433017	49433017	+	1.389E-25	5.61798E-24	0.311917	hyper	sig	chr19_49433017
chr8	1.43E+08	142777024	+	1.39E-25	5.6205E-24	0.286128	hyper	sig	chr8_142777024
chr2	2.06E+08	205686490	+	1.39E-25	5.62086E-24	0.277324	hyper	sig	chr2_205686490
chr3	1.38E+08	137761917	+	1.391E-25	5.62391E-24	0.250553	hyper	sig	chr3_137761917
chr4	1.76E+08	176065799	+	1.392E-25	5.62725E-24	0.213161	hyper	sig	chr4_176065799
chr1	3230795	3230795	+	1.393E-25	5.63075E-24	-0.20103	hypo	sig	chr1_3230795
chr13	49549485	49549485	+	1.393E-25	5.63334E-24	-0.2961	hypo	sig	chr13_49549485
chr4	5708131	5708131	+	1.401E-25	5.66257E-24	0.277671	hyper	sig	chr4_5708131
chr13	70107878	70107878	+	1.402E-25	5.66687E-24	0.314004	hyper	sig	chr13_70107878
chr19	17826683	17826683	+	1.41E-25	5.69678E-24	-0.24899	hypo	sig	chr19_17826683
chr6	32197348	32197348	+	1.41E-25	5.69935E-24	-0.20231	hypo	sig	chr6_32197348
chr15	64921934	64921934	+	1.412E-25	5.70702E-24	-0.27056	hypo	sig	chr15_64921934
chr5	1.35E+08	135039003	+	1.417E-25	5.72682E-24	0.2802	hyper	sig	chr5_135039003
chr10	1.3E+08	129867620	+	1.419E-25	5.73166E-24	-0.26386	hypo	sig	chr10_129867620
chr13	1.12E+08	111959237	+	1.419E-25	5.73417E-24	-0.24776	hypo	sig	chr13_111959237
chr4	1.09E+08	109302668	+	1.421E-25	5.73947E-24	0.246581	hyper	sig	chr4_109302668
chr19	48415002	48415002	+	1.422E-25	5.74343E-24	0.393304	hyper	sig	chr19_48415002
chr1	2.08E+08	207645273	+	1.423E-25	5.74871E-24	0.355263	hyper	sig	chr1_207645273
chr15	26771671	26771671	+	1.423E-25	5.74873E-24	0.277362	hyper	sig	chr15_26771671
chr18	7116993	7116993	+	1.424E-25	5.75041E-24	0.300831	hyper	sig	chr18_7116993
chr7	1.22E+08	122300263	+	1.434E-25	5.79282E-24	0.231286	hyper	sig	chr7_122300263
chr10	99531217	99531217	+	1.435E-25	5.79298E-24	0.239882	hyper	sig	chr10_99531217
chr5	1.41E+08	141423118	+	1.435E-25	5.79298E-24	0.261541	hyper	sig	chr5_141423118
chr22	16602616	16602616	+	1.435E-25	5.79573E-24	0.240252	hyper	sig	chr22_16602616
chr12	57632448	57632448	+	1.436E-25	5.79781E-24	0.206276	hyper	sig	chr12_57632448
chr12	1.31E+08	131084907	+	1.437E-25	5.80245E-24	-0.23039	hypo	sig	chr12_131084907
chr2	1.45E+08	144517307	+	1.437E-25	5.80324E-24	0.203236	hyper	sig	chr2_144517307
chr12	54090567	54090567	+	1.438E-25	5.80645E-24	0.253737	hyper	sig	chr12_54090567
chr15	29115652	29115652	+	1.441E-25	5.81511E-24	0.246432	hyper	sig	chr15_29115652
chr8	54457681	54457681	+	1.45E-25	5.85251E-24	0.262949	hyper	sig	chr8_54457681
chr14	90593766	90593766	+	1.455E-25	5.8711E-24	-0.26637	hypo	sig	chr14_90593766
chr19	8052748	8052748	+	1.457E-25	5.8788E-24	-0.33304	hypo	sig	chr19_8052748
chr7	1.5E+08	150221144	+	1.457E-25	5.8788E-24	0.223941	hyper	sig	chr7_150221144
chr8	84183096	84183096	+	1.464E-25	5.90903E-24	0.308366	hyper	sig	chr8_84183096
chr7	118896	118896	+	1.467E-25	5.91896E-24	-0.24904	hypo	sig	chr7_118896
chr16	88316176	88316176	+	1.468E-25	5.92455E-24	-0.2161	hypo	sig	chr16_88316176
chr20	59043424	59043424	+	1.471E-25	5.93672E-24	-0.30553	hypo	sig	chr20_59043424
chr16	3184316	3184316	+	1.473E-25	5.94151E-24	0.263986	hyper	sig	chr16_3184316
chr15	55588715	55588715	+	1.473E-25	5.94476E-24	0.222397	hyper	sig	chr15_55588715
chr6	27553439	27553439	+	1.475E-25	5.94944E-24	0.363195	hyper	sig	chr6_27553439

chr1	2.07E+08	207052079	+	1.475E-25	5.94969E-24	-0.28999	hypo	sig	chr1_207052079
chr17	1186978	1186978	+	1.479E-25	5.96743E-24	0.257877	hyper	sig	chr17_1186978
chr5	88672300	88672300	+	1.48E-25	5.97127E-24	0.207567	hyper	sig	chr5_88672300
chr5	1.81E+08	181059705	+	1.485E-25	5.98841E-24	0.220879	hyper	sig	chr5_181059705
chr20	63254903	63254903	+	1.487E-25	5.99592E-24	0.226156	hyper	sig	chr20_63254903
chr5	88690123	88690123	+	1.493E-25	6.01915E-24	0.220125	hyper	sig	chr5_88690123
chr13	1.14E+08	113653284	+	1.493E-25	6.01953E-24	-0.27627	hypo	sig	chr13_113653284
chr7	50450741	50450741	+	1.497E-25	6.03717E-24	0.238233	hyper	sig	chr7_50450741
chr16	775517	775517	+	1.498E-25	6.03942E-24	-0.31586	hypo	sig	chr16_775517
chr13	78586940	78586940	+	1.501E-25	6.05284E-24	0.253847	hyper	sig	chr13_78586940
chr6	1.63E+08	163413358	+	1.504E-25	6.06263E-24	0.231616	hyper	sig	chr6_163413358
chr1	16711869	16711869	+	1.506E-25	6.07133E-24	-0.22265	hypo	sig	chr1_16711869
chr7	1513516	1513516	+	1.508E-25	6.08098E-24	-0.28719	hypo	sig	chr7_1513516
chr3	1.39E+08	138939772	+	1.51E-25	6.08658E-24	0.221939	hyper	sig	chr3_138939772
chr5	1.41E+08	141387801	+	1.51E-25	6.08697E-24	0.229537	hyper	sig	chr5_141387801
chr13	20301643	20301643	+	1.511E-25	6.0913E-24	0.348972	hyper	sig	chr13_20301643
chr12	84912544	84912544	+	1.518E-25	6.11783E-24	0.282827	hyper	sig	chr12_84912544
chr5	88689992	88689992	+	1.521E-25	6.13167E-24	0.245755	hyper	sig	chr5_88689992
chr7	1.37E+08	136868580	+	1.523E-25	6.13739E-24	0.242629	hyper	sig	chr7_136868580
chr7	813382	813382	+	1.525E-25	6.14399E-24	-0.21315	hypo	sig	chr7_813382
chr11	1.34E+08	134380998	+	1.525E-25	6.14637E-24	-0.2217	hypo	sig	chr11_134380998
chr11	68411510	68411510	+	1.529E-25	6.16089E-24	-0.2427	hypo	sig	chr11_68411510
chr9	1.37E+08	137479833	+	1.531E-25	6.16659E-24	-0.23043	hypo	sig	chr9_137479833
chr1	1.21E+08	121118217	+	1.532E-25	6.17237E-24	0.25925	hyper	sig	chr1_121118217
chr15	26970861	26970861	+	1.537E-25	6.19137E-24	0.261289	hyper	sig	chr15_26970861
chr10	1.33E+08	132851647	+	1.541E-25	6.20868E-24	-0.29306	hypo	sig	chr10_132851647
chr12	98895546	98895546	+	1.544E-25	6.22019E-24	0.3125	hyper	sig	chr12_98895546
chr1	1.21E+08	121117940	+	1.547E-25	6.22959E-24	0.246413	hyper	sig	chr1_121117940
chr17	79006902	79006902	+	1.55E-25	6.24094E-24	-0.25033	hypo	sig	chr17_79006902
chr15	70196763	70196763	+	1.55E-25	6.24405E-24	-0.25144	hypo	sig	chr15_70196763
chr19	53255258	53255258	+	1.553E-25	6.25511E-24	0.357257	hyper	sig	chr19_53255258
chr17	65549587	65549587	+	1.558E-25	6.27367E-24	-0.26802	hypo	sig	chr17_65549587
chr5	1.69E+08	168827754	+	1.559E-25	6.27851E-24	-0.29736	hypo	sig	chr5_168827754
chr11	1.08E+08	107929221	+	1.561E-25	6.28412E-24	0.241966	hyper	sig	chr11_107929221
chr5	59893580	59893580	+	1.564E-25	6.29852E-24	0.29796	hyper	sig	chr5_59893580
chr8	1.43E+08	143273012	+	1.567E-25	6.30694E-24	-0.22581	hypo	sig	chr8_143273012
chr11	17720600	17720600	+	1.569E-25	6.31663E-24	0.340491	hyper	sig	chr11_17720600
chr8	23710028	23710028	+	1.569E-25	6.31663E-24	0.268772	hyper	sig	chr8_23710028
chr17	79132523	79132523	+	1.572E-25	6.32675E-24	-0.20856	hypo	sig	chr17_79132523
chr1	2.28E+08	228286003	+	1.572E-25	6.32744E-24	-0.21059	hypo	sig	chr1_228286003
chr8	26451279	26451279	+	1.573E-25	6.33268E-24	-0.25058	hypo	sig	chr8_26451279
chr1	47433949	47433949	+	1.574E-25	6.33514E-24	0.31577	hyper	sig	chr1_47433949
chr11	32438040	32438040	+	1.576E-25	6.34231E-24	0.244652	hyper	sig	chr11_32438040
chr12	1.31E+08	130716143	+	1.577E-25	6.3448E-24	0.22778	hyper	sig	chr12_130716143
chr8	66432871	66432871	+	1.577E-25	6.3448E-24	0.305435	hyper	sig	chr8_66432871
chr18	69402847	69402847	+	1.582E-25	6.3675E-24	0.222176	hyper	sig	chr18_69402847
chr6	391240	391240	+	1.588E-25	6.38966E-24	0.224796	hyper	sig	chr6_391240
chr5	51387633	51387633	+	1.595E-25	6.41568E-24	0.222751	hyper	sig	chr5_51387633
chr13	1.02E+08	102400111	+	1.597E-25	6.42461E-24	0.209201	hyper	sig	chr13_102400111
chr6	83853169	83853169	+	1.597E-25	6.4248E-24	0.219782	hyper	sig	chr6_83853169
chr6	1.66E+08	165819465	+	1.601E-25	6.43897E-24	0.260174	hyper	sig	chr6_165819465
chr2	56192968	56192968	+	1.606E-25	6.46061E-24	-0.21482	hypo	sig	chr2_56192968
chr16	86579044	86579044	+	1.607E-25	6.46483E-24	0.289714	hyper	sig	chr16_86579044
chr4	41746659	41746659	+	1.608E-25	6.46828E-24	0.277489	hyper	sig	chr4_41746659
chr19	4559759	4559759	+	1.609E-25	6.47239E-24	-0.36382	hypo	sig	chr19_4559759
chr20	62330924	62330924	+	1.61E-25	6.47524E-24	-0.24769	hypo	sig	chr20_62330924

chr15	89367944	89367944	+	1.61E-25	6.47611E-24	0.223188	hyper	sig	chr15_89367944
chr11	27721665	27721665	+	1.612E-25	6.48368E-24	0.289201	hyper	sig	chr11_27721665
chr9	97221436	97221436	+	1.613E-25	6.48718E-24	0.259959	hyper	sig	chr9_97221436
chr7	1.18E+08	118214666	+	1.616E-25	6.4992E-24	0.216767	hyper	sig	chr7_118214666
chr5	1.35E+08	135039057	+	1.618E-25	6.50551E-24	0.262213	hyper	sig	chr5_135039057
chr4	912677	912677	+	1.621E-25	6.51503E-24	-0.23501	hypo	sig	chr4_912677
chr19	9498638	9498638	+	1.626E-25	6.53607E-24	0.260269	hyper	sig	chr19_9498638
chr4	1099873	1099873	+	1.63E-25	6.55047E-24	-0.22368	hypo	sig	chr4_1099873
chr6	1.7E+08	170177198	+	1.634E-25	6.56751E-24	-0.33781	hypo	sig	chr6_170177198
chr11	31799867	31799867	+	1.636E-25	6.57688E-24	0.246707	hyper	sig	chr11_31799867
chr1	1.47E+08	147072783	+	1.64E-25	6.58973E-24	0.329904	hyper	sig	chr1_147072783
chr15	34754449	34754449	+	1.645E-25	6.61293E-24	0.312537	hyper	sig	chr15_34754449
chr20	61895025	61895025	+	1.648E-25	6.62202E-24	-0.20125	hypo	sig	chr20_61895025
chr8	1.44E+08	144046932	+	1.651E-25	6.63538E-24	-0.25364	hypo	sig	chr8_144046932
chr5	1.35E+08	135038807	+	1.653E-25	6.64246E-24	0.242481	hyper	sig	chr5_135038807
chr7	27103715	27103715	+	1.657E-25	6.65596E-24	0.209033	hyper	sig	chr7_27103715
chr13	1.13E+08	112979276	+	1.658E-25	6.6596E-24	-0.24318	hypo	sig	chr13_112979276
chr4	3750611	3750611	+	1.663E-25	6.68239E-24	-0.238	hypo	sig	chr4_3750611
chr10	1.33E+08	132701077	+	1.665E-25	6.68959E-24	-0.20978	hypo	sig	chr10_132701077
chr4	1.54E+08	153789221	+	1.677E-25	6.73502E-24	0.28279	hyper	sig	chr4_153789221
chr15	59995244	59995244	+	1.677E-25	6.73695E-24	0.237008	hyper	sig	chr15_59995244
chr20	22576901	22576901	+	1.678E-25	6.73971E-24	-0.27777	hypo	sig	chr20_22576901
chr5	1724777	1724777	+	1.678E-25	6.74111E-24	-0.28419	hypo	sig	chr5_1724777
chr11	1.29E+08	128824251	+	1.681E-25	6.75069E-24	0.299011	hyper	sig	chr11_128824251
chr12	4809764	4809764	+	1.687E-25	6.77511E-24	0.236972	hyper	sig	chr12_4809764
chr2	2.4E+08	239817056	+	1.687E-25	6.77564E-24	-0.25155	hypo	sig	chr2_239817056
chr14	1.01E+08	100769502	+	1.688E-25	6.7777E-24	-0.25519	hypo	sig	chr14_100769502
chr4	1.09E+08	109302670	+	1.691E-25	6.79E-24	0.243955	hyper	sig	chr4_109302670
chr6	1.52E+08	152100297	+	1.696E-25	6.80893E-24	-0.24495	hypo	sig	chr6_152100297
chr1	3109578	3109578	+	1.698E-25	6.81614E-24	-0.2239	hypo	sig	chr1_3109578
chr14	99659615	99659615	+	1.698E-25	6.81625E-24	0.264034	hyper	sig	chr14_99659615
chr15	28107438	28107438	+	1.701E-25	6.82728E-24	0.223539	hyper	sig	chr15_28107438
chr19	51949084	51949084	+	1.704E-25	6.84151E-24	0.263359	hyper	sig	chr19_51949084
chr17	81480645	81480645	+	1.709E-25	6.85848E-24	-0.21651	hypo	sig	chr17_81480645
chr19	4890958	4890958	+	1.713E-25	6.87292E-24	-0.31476	hypo	sig	chr19_4890958
chr7	82442833	82442833	+	1.715E-25	6.88225E-24	0.221425	hyper	sig	chr7_82442833
chr2	10014894	10014894	+	1.716E-25	6.88556E-24	-0.40178	hypo	sig	chr2_10014894
chr4	41881092	41881092	+	1.721E-25	6.90321E-24	0.272779	hyper	sig	chr4_41881092
chr14	99319883	99319883	+	1.725E-25	6.91952E-24	-0.33254	hypo	sig	chr14_99319883
chr15	79283921	79283921	+	1.725E-25	6.91952E-24	0.237457	hyper	sig	chr15_79283921
chr6	37705986	37705986	+	1.725E-25	6.91952E-24	0.228593	hyper	sig	chr6_37705986
chr9	96022506	96022506	+	1.726E-25	6.92376E-24	0.22443	hyper	sig	chr9_96022506
chr10	1.01E+08	101236514	+	1.73E-25	6.94046E-24	0.202814	hyper	sig	chr10_101236514
chr16	85697609	85697609	+	1.737E-25	6.96721E-24	-0.30186	hypo	sig	chr16_85697609
chr10	1.01E+08	101223746	+	1.744E-25	6.99342E-24	0.230119	hyper	sig	chr10_101223746
chr12	43552111	43552111	+	1.744E-25	6.99593E-24	0.286432	hyper	sig	chr12_43552111
chr6	1.5E+08	150037740	+	1.746E-25	7.00293E-24	0.228761	hyper	sig	chr6_150037740
chr1	1.71E+08	170660405	+	1.75E-25	7.0171E-24	0.255866	hyper	sig	chr1_170660405
chr16	88975660	88975660	+	1.752E-25	7.02357E-24	-0.24103	hypo	sig	chr16_88975660
chr4	92304414	92304414	+	1.754E-25	7.03329E-24	0.217599	hyper	sig	chr4_92304414
chr22	45884267	45884267	+	1.755E-25	7.03657E-24	-0.25598	hypo	sig	chr22_45884267
chr2	950298	950298	+	1.755E-25	7.03727E-24	0.324877	hyper	sig	chr2_950298
chr8	64586505	64586505	+	1.763E-25	7.06785E-24	0.225708	hyper	sig	chr8_64586505
chr10	11742116	11742116	+	1.768E-25	7.08585E-24	0.219755	hyper	sig	chr10_11742116
chr6	37649027	37649027	+	1.772E-25	7.10097E-24	0.33593	hyper	sig	chr6_37649027
chr10	1.33E+08	132592017	+	1.775E-25	7.11296E-24	-0.2575	hypo	sig	chr10_132592017

chr10	1.3E+08	129892966	+	1.776E-25	7.1164E-24	-0.23486	hypo	sig	chr10_129892966
chr12	63151109	63151109	+	1.776E-25	7.11686E-24	0.300552	hyper	sig	chr12_63151109
chr13	36155113	36155113	+	1.776E-25	7.11736E-24	0.32621	hyper	sig	chr13_36155113
chr11	64971902	64971902	+	1.777E-25	7.12162E-24	0.242602	hyper	sig	chr11_64971902
chr5	1.77E+08	177116980	+	1.778E-25	7.123E-24	0.232682	hyper	sig	chr5_177116980
chr21	33020046	33020046	+	1.778E-25	7.12375E-24	0.248344	hyper	sig	chr21_33020046
chr15	88255517	88255517	+	1.782E-25	7.13985E-24	0.25865	hyper	sig	chr15_88255517
chr13	25372644	25372644	+	1.787E-25	7.15656E-24	0.370687	hyper	sig	chr13_25372644
chr10	7666289	7666289	+	1.787E-25	7.15965E-24	0.214921	hyper	sig	chr10_7666289
chr3	1.47E+08	147409899	+	1.79E-25	7.16842E-24	0.235146	hyper	sig	chr3_147409899
chr2	1.3E+08	130005968	+	1.794E-25	7.18626E-24	0.252714	hyper	sig	chr2_130005968
chr11	69250112	69250112	+	1.796E-25	7.19084E-24	-0.22312	hypo	sig	chr11_69250112
chr2	1.76E+08	176083222	+	1.798E-25	7.19973E-24	0.260931	hyper	sig	chr2_176083222
chr7	1235622	1235622	+	1.798E-25	7.20055E-24	0.226389	hyper	sig	chr7_1235622
chr3	1.25E+08	125141856	+	1.812E-25	7.2546E-24	0.360851	hyper	sig	chr3_125141856
chr1	47433512	47433512	+	1.815E-25	7.26659E-24	0.33904	hyper	sig	chr1_47433512
chr8	64371510	64371510	+	1.816E-25	7.26938E-24	0.23328	hyper	sig	chr8_64371510
chr15	47184872	47184872	+	1.821E-25	7.28858E-24	0.257224	hyper	sig	chr15_47184872
chr1	25530928	25530928	+	1.822E-25	7.29129E-24	-0.25184	hypo	sig	chr1_25530928
chr14	36663649	36663649	+	1.825E-25	7.3022E-24	0.256058	hyper	sig	chr14_36663649
chr12	1.31E+08	131133494	+	1.827E-25	7.31267E-24	-0.25605	hypo	sig	chr12_131133494
chr1	1965117	1965117	+	1.83E-25	7.32456E-24	-0.23312	hypo	sig	chr1_1965117
chr13	36130904	36130904	+	1.839E-25	7.35966E-24	0.21631	hyper	sig	chr13_36130904
chr20	21514836	21514836	+	1.842E-25	7.36929E-24	0.206929	hyper	sig	chr20_21514836
chr20	61939228	61939228	+	1.844E-25	7.37708E-24	-0.2345	hypo	sig	chr20_61939228
chr6	33804240	33804240	+	1.846E-25	7.38652E-24	-0.23813	hypo	sig	chr6_33804240
chr8	64377239	64377239	+	1.847E-25	7.38918E-24	0.274927	hyper	sig	chr8_64377239
chr11	45907297	45907297	+	1.849E-25	7.39607E-24	-0.23479	hypo	sig	chr11_45907297
chr2	1.05E+08	105399700	+	1.852E-25	7.4087E-24	-0.22168	hypo	sig	chr2_105399700
chr9	77019951	77019951	+	1.854E-25	7.4161E-24	0.265546	hyper	sig	chr9_77019951
chr7	1.44E+08	143883054	+	1.855E-25	7.41904E-24	0.327691	hyper	sig	chr7_143883054
chr1	98045420	98045420	+	1.858E-25	7.43254E-24	0.317426	hyper	sig	chr1_98045420
chr17	17728978	17728978	+	1.862E-25	7.44539E-24	-0.27069	hypo	sig	chr17_17728978
chr18	79434663	79434663	+	1.863E-25	7.45214E-24	-0.33569	hypo	sig	chr18_79434663
chr12	1.15E+08	114547419	+	1.864E-25	7.45245E-24	-0.29592	hypo	sig	chr12_114547419
chr14	23372916	23372916	+	1.864E-25	7.45245E-24	-0.21962	hypo	sig	chr14_23372916
chr9	1.36E+08	136356351	+	1.865E-25	7.45817E-24	-0.26173	hypo	sig	chr9_136356351
chr21	33026003	33026003	+	1.866E-25	7.46269E-24	0.300343	hyper	sig	chr21_33026003
chr1	2.44E+08	243917784	+	1.868E-25	7.46833E-24	0.22262	hyper	sig	chr1_243917784
chr1	2922755	2922755	+	1.868E-25	7.46846E-24	-0.22408	hypo	sig	chr1_2922755
chr8	1.08E+08	108082644	+	1.87E-25	7.47664E-24	0.388206	hyper	sig	chr8_108082644
chr1	2.08E+08	207669663	+	1.874E-25	7.49267E-24	0.358392	hyper	sig	chr1_207669663
chr8	70070762	70070762	+	1.875E-25	7.49586E-24	0.292965	hyper	sig	chr8_70070762
chr12	85278798	85278798	+	1.876E-25	7.49787E-24	0.2524	hyper	sig	chr12_85278798
chr2	89611933	89611933	+	1.877E-25	7.50323E-24	0.298665	hyper	sig	chr2_89611933
chr4	10461253	10461253	+	1.878E-25	7.50481E-24	0.281578	hyper	sig	chr4_10461253
chr8	1.33E+08	133298497	+	1.878E-25	7.50586E-24	-0.25942	hypo	sig	chr8_133298497
chr8	35233912	35233912	+	1.88E-25	7.51271E-24	-0.30902	hypo	sig	chr8_35233912
chr19	57099408	57099408	+	1.881E-25	7.51769E-24	0.332767	hyper	sig	chr19_57099408
chr2	2.39E+08	239275165	+	1.889E-25	7.54677E-24	-0.27188	hypo	sig	chr2_239275165
chr12	40693376	40693376	+	1.89E-25	7.55347E-24	0.230941	hyper	sig	chr12_40693376
chr19	4098948	4098948	+	1.906E-25	7.6141E-24	-0.22228	hypo	sig	chr19_4098948
chr5	1.41E+08	141245597	+	1.916E-25	7.65458E-24	0.252796	hyper	sig	chr5_141245597
chr2	5692936	5692936	+	1.917E-25	7.65714E-24	0.258953	hyper	sig	chr2_5692936
chr1	26410866	26410866	+	1.917E-25	7.65902E-24	0.245554	hyper	sig	chr1_26410866
chr10	8037302	8037302	+	1.919E-25	7.66347E-24	0.217889	hyper	sig	chr10_8037302

chr5	1.71E+08	171310209	+	1.929E-25	7.70502E-24	0.203823	hyper	sig	chr5_171310209
chr18	79809809	79809809	+	1.93E-25	7.70735E-24	-0.20888	hypo	sig	chr18_79809809
chr2	5693063	5693063	+	1.93E-25	7.70952E-24	0.304859	hyper	sig	chr2_5693063
chr12	1.07E+08	106585698	+	1.934E-25	7.72227E-24	0.269748	hyper	sig	chr12_106585698
chr12	4809754	4809754	+	1.936E-25	7.73006E-24	0.2369	hyper	sig	chr12_4809754
chr8	1.42E+08	142173380	+	1.938E-25	7.73857E-24	-0.20689	hypo	sig	chr8_142173380
chr3	1.38E+08	137763075	+	1.94E-25	7.74482E-24	0.270681	hyper	sig	chr3_137763075
chr13	27796891	27796891	+	1.94E-25	7.74744E-24	0.266417	hyper	sig	chr13_27796891
chr1	75128545	75128545	+	1.946E-25	7.76958E-24	0.258314	hyper	sig	chr1_75128545
chr2	1.76E+08	176124819	+	1.946E-25	7.76959E-24	-0.21683	hypo	sig	chr2_176124819
chr21	40847927	40847927	+	1.951E-25	7.78827E-24	-0.23221	hypo	sig	chr21_40847927
chr5	1.41E+08	141409849	+	1.952E-25	7.79035E-24	0.238945	hyper	sig	chr5_141409849
chr17	44068921	44068921	+	1.953E-25	7.79664E-24	-0.3578	hypo	sig	chr17_44068921
chr6	1.66E+08	166009236	+	1.954E-25	7.80046E-24	0.211104	hyper	sig	chr6_166009236
chr17	48582399	48582399	+	1.958E-25	7.81403E-24	-0.21199	hypo	sig	chr17_48582399
chr6	26743134	26743134	+	1.959E-25	7.81753E-24	0.380274	hyper	sig	chr6_26743134
chr9	971753	971753	+	1.966E-25	7.84617E-24	0.28674	hyper	sig	chr9_971753
chr1	1.21E+08	121009646	+	1.968E-25	7.8519E-24	0.300477	hyper	sig	chr1_121009646
chr5	1.41E+08	140877670	+	1.968E-25	7.85263E-24	0.211205	hyper	sig	chr5_140877670
chr1	1.19E+08	118979610	+	1.97E-25	7.85866E-24	0.283479	hyper	sig	chr1_118979610
chr21	33023081	33023081	+	1.97E-25	7.86143E-24	0.311949	hyper	sig	chr21_33023081
chr12	1.28E+08	128366055	+	1.972E-25	7.86948E-24	0.226749	hyper	sig	chr12_128366055
chr10	1.33E+08	132833775	+	1.975E-25	7.87844E-24	-0.27371	hypo	sig	chr10_132833775
chr21	44901630	44901630	+	1.977E-25	7.8865E-24	-0.22054	hypo	sig	chr21_44901630
chr19	49043489	49043489	+	1.977E-25	7.88728E-24	-0.23894	hypo	sig	chr19_49043489
chr20	25082191	25082191	+	1.979E-25	7.89365E-24	0.268341	hyper	sig	chr20_25082191
chr1	38045928	38045928	+	1.984E-25	7.91264E-24	0.232314	hyper	sig	chr1_38045928
chr1	2.34E+08	233905056	+	1.989E-25	7.93144E-24	0.271363	hyper	sig	chr1_233905056
chr12	1.3E+08	129907696	+	1.989E-25	7.9323E-24	-0.28819	hypo	sig	chr12_129907696
chr17	79540729	79540729	+	1.991E-25	7.93734E-24	-0.21079	hypo	sig	chr17_79540729
chr1	6345634	6345634	+	2.004E-25	7.99187E-24	-0.2385	hypo	sig	chr1_6345634
chr5	1.41E+08	141339209	+	2.004E-25	7.99187E-24	0.200564	hyper	sig	chr5_141339209
chr6	1625339	1625339	+	2.005E-25	7.99444E-24	0.241043	hyper	sig	chr6_1625339
chr9	1.19E+08	119369805	+	2.01E-25	8.01419E-24	0.250275	hyper	sig	chr9_119369805
chr4	80267207	80267207	+	2.011E-25	8.01788E-24	0.245739	hyper	sig	chr4_80267207
chr13	1.02E+08	102400031	+	2.015E-25	8.03033E-24	0.240574	hyper	sig	chr13_102400031
chr19	22422384	22422384	+	2.015E-25	8.03284E-24	0.234914	hyper	sig	chr19_22422384
chr4	1.54E+08	153789219	+	2.015E-25	8.03285E-24	0.264739	hyper	sig	chr4_153789219
chr2	1.39E+08	138779561	+	2.016E-25	8.03382E-24	0.294007	hyper	sig	chr2_138779561
chr6	99602915	99602915	+	2.02E-25	8.0514E-24	0.223763	hyper	sig	chr6_99602915
chr10	1.01E+08	100659488	+	2.022E-25	8.05831E-24	0.297087	hyper	sig	chr10_100659488
chr7	12404231	12404231	+	2.022E-25	8.05876E-24	0.294433	hyper	sig	chr7_12404231
chr5	88678327	88678327	+	2.025E-25	8.06748E-24	0.241694	hyper	sig	chr5_88678327
chr20	64048360	64048360	+	2.027E-25	8.07758E-24	0.213059	hyper	sig	chr20_64048360
chr7	75951560	75951560	+	2.028E-25	8.07912E-24	-0.26306	hypo	sig	chr7_75951560
chr7	27115923	27115923	+	2.028E-25	8.07942E-24	0.263453	hyper	sig	chr7_27115923
chr5	73381460	73381460	+	2.029E-25	8.08478E-24	0.268155	hyper	sig	chr5_73381460
chr10	1.33E+08	132701069	+	2.033E-25	8.099E-24	-0.21801	hypo	sig	chr10_132701069
chr17	21770839	21770839	+	2.033E-25	8.09946E-24	0.211175	hyper	sig	chr17_21770839
chr1	63320309	63320309	+	2.034E-25	8.10249E-24	0.238404	hyper	sig	chr1_63320309
chr10	1214290	1214290	+	2.034E-25	8.10312E-24	-0.22865	hypo	sig	chr10_1214290
chr20	62476349	62476349	+	2.037E-25	8.11333E-24	0.20299	hyper	sig	chr20_62476349
chr7	1.58E+08	157522051	+	2.039E-25	8.12061E-24	-0.2236	hypo	sig	chr7_157522051
chr8	1.43E+08	142741125	+	2.04E-25	8.12252E-24	-0.23516	hypo	sig	chr8_142741125
chr18	25349443	25349443	+	2.045E-25	8.14197E-24	0.223396	hyper	sig	chr18_25349443
chr6	1625166	1625166	+	2.045E-25	8.14197E-24	0.250977	hyper	sig	chr6_1625166

chr8	29347461	29347461	+	2.049E-25	8.15877E-24	-0.27281	hypo	sig	chr8_29347461
chr10	1.33E+08	132943053	+	2.054E-25	8.17681E-24	0.291153	hyper	sig	chr10_132943053
chr2	1.15E+08	115162373	+	2.057E-25	8.19005E-24	0.272847	hyper	sig	chr2_115162373
chr19	23003002	23003002	+	2.06E-25	8.19987E-24	0.256079	hyper	sig	chr19_23003002
chr6	29792633	29792633	+	2.06E-25	8.20298E-24	0.236318	hyper	sig	chr6_29792633
chr2	5696231	5696231	+	2.063E-25	8.21313E-24	0.368911	hyper	sig	chr2_5696231
chr9	1.35E+08	134623999	+	2.066E-25	8.22455E-24	-0.23863	hypo	sig	chr9_134623999
chr10	49768555	49768555	+	2.077E-25	8.26676E-24	0.256096	hyper	sig	chr10_49768555
chr1	3275344	3275344	+	2.08E-25	8.2783E-24	-0.23459	hypo	sig	chr1_3275344
chr20	62474859	62474859	+	2.081E-25	8.28431E-24	0.228032	hyper	sig	chr20_62474859
chr6	1.27E+08	127119894	+	2.082E-25	8.28611E-24	0.220658	hyper	sig	chr6_127119894
chr7	1.43E+08	142856545	+	2.093E-25	8.33016E-24	-0.25778	hypo	sig	chr7_142856545
chr6	3270305	3270305	+	2.101E-25	8.35898E-24	-0.26698	hypo	sig	chr6_3270305
chr19	56841151	56841151	+	2.104E-25	8.37322E-24	0.215112	hyper	sig	chr19_56841151
chr6	84763477	84763477	+	2.105E-25	8.37643E-24	0.328245	hyper	sig	chr6_84763477
chr12	53975543	53975543	+	2.106E-25	8.37813E-24	0.222172	hyper	sig	chr12_53975543
chr7	56229912	56229912	+	2.107E-25	8.38074E-24	0.267475	hyper	sig	chr7_56229912
chr17	74671066	74671066	+	2.116E-25	8.41708E-24	0.288126	hyper	sig	chr17_74671066
chr8	84183455	84183455	+	2.129E-25	8.46961E-24	0.420838	hyper	sig	chr8_84183455
chr7	97013364	97013364	+	2.131E-25	8.47568E-24	0.2316	hyper	sig	chr7_97013364
chr3	1.47E+08	147421752	+	2.132E-25	8.4781E-24	0.247081	hyper	sig	chr3_147421752
chr1	1.45E+08	144567547	+	2.141E-25	8.51557E-24	0.302803	hyper	sig	chr1_144567547
chr19	51327380	51327380	+	2.147E-25	8.53884E-24	0.355121	hyper	sig	chr19_51327380
chr2	80322726	80322726	+	2.154E-25	8.56495E-24	0.271486	hyper	sig	chr2_80322726
chr22	45884271	45884271	+	2.157E-25	8.57627E-24	-0.25265	hypo	sig	chr22_45884271
chr12	95549110	95549110	+	2.159E-25	8.58372E-24	0.213569	hyper	sig	chr12_95549110
chr6	32063659	32063659	+	2.165E-25	8.60922E-24	-0.22866	hypo	sig	chr6_32063659
chr8	54457632	54457632	+	2.166E-25	8.61169E-24	0.272834	hyper	sig	chr8_54457632
chr5	1.14E+08	114055854	+	2.166E-25	8.61259E-24	0.273589	hyper	sig	chr5_114055854
chr15	28832128	28832128	+	2.175E-25	8.64469E-24	0.278918	hyper	sig	chr15_28832128
chr19	53132862	53132862	+	2.175E-25	8.64469E-24	0.272392	hyper	sig	chr19_53132862
chr8	1.4E+08	140238480	+	2.184E-25	8.67864E-24	-0.24006	hypo	sig	chr8_140238480
chr12	1.03E+08	102824793	+	2.186E-25	8.68568E-24	0.256634	hyper	sig	chr12_102824793
chr1	33307158	33307158	+	2.19E-25	8.70175E-24	0.258428	hyper	sig	chr1_33307158
chr18	47932905	47932905	+	2.193E-25	8.71272E-24	-0.26907	hypo	sig	chr18_47932905
chr12	1500210	1500210	+	2.197E-25	8.73016E-24	-0.22627	hypo	sig	chr12_1500210
chr5	64506550	64506550	+	2.197E-25	8.73107E-24	0.211076	hyper	sig	chr5_64506550
chr3	62369789	62369789	+	2.199E-25	8.73679E-24	0.304454	hyper	sig	chr3_62369789
chr1	1.47E+08	147072742	+	2.201E-25	8.74477E-24	0.273364	hyper	sig	chr1_147072742
chr19	56393294	56393294	+	2.205E-25	8.75935E-24	0.238416	hyper	sig	chr19_56393294
chr2	44801677	44801677	+	2.207E-25	8.76736E-24	0.250839	hyper	sig	chr2_44801677
chr14	28785647	28785647	+	2.211E-25	8.78384E-24	0.241475	hyper	sig	chr14_28785647
chr11	77039369	77039369	+	2.214E-25	8.79563E-24	-0.43115	hypo	sig	chr11_77039369
chr10	75408490	75408490	+	2.215E-25	8.79914E-24	0.323018	hyper	sig	chr10_75408490
chr11	865926	865926	+	2.232E-25	8.86339E-24	-0.24605	hypo	sig	chr11_865926
chr1	3743178	3743178	+	2.238E-25	8.88735E-24	-0.22757	hypo	sig	chr1_3743178
chr16	86495397	86495397	+	2.24E-25	8.89753E-24	0.254095	hyper	sig	chr16_86495397
chr11	20112770	20112770	+	2.242E-25	8.90383E-24	-0.24907	hypo	sig	chr11_20112770
chr13	1.12E+08	112057719	+	2.25E-25	8.93481E-24	0.247865	hyper	sig	chr13_112057719
chr14	97219515	97219515	+	2.253E-25	8.94621E-24	0.27913	hyper	sig	chr14_97219515
chr4	1.54E+08	153792929	+	2.254E-25	8.94854E-24	0.285099	hyper	sig	chr4_153792929
chr16	49278627	49278627	+	2.254E-25	8.94932E-24	0.277275	hyper	sig	chr16_49278627
chr12	1.08E+08	107571929	+	2.254E-25	8.94945E-24	-0.32944	hypo	sig	chr12_107571929
chr1	11720199	11720199	+	2.257E-25	8.95777E-24	-0.25624	hypo	sig	chr1_11720199
chr1	1.57E+08	156860479	+	2.257E-25	8.95777E-24	0.251766	hyper	sig	chr1_156860479
chr19	57709026	57709026	+	2.258E-25	8.96089E-24	0.294617	hyper	sig	chr19_57709026

chr14	77026574	77026574	+	2.26E-25	8.96831E-24	0.230681	hyper	sig	chr14_77026574
chr3	1.93E+08	192727296	+	2.261E-25	8.97449E-24	0.251857	hyper	sig	chr3_192727296
chr19	57614630	57614630	+	2.262E-25	8.97774E-24	0.259761	hyper	sig	chr19_57614630
chr6	36285380	36285380	+	2.269E-25	9.00385E-24	0.257668	hyper	sig	chr6_36285380
chr17	48606228	48606228	+	2.27E-25	9.0087E-24	-0.22013	hypo	sig	chr17_48606228
chr10	90871388	90871388	+	2.274E-25	9.02539E-24	0.253778	hyper	sig	chr10_90871388
chr15	79091290	79091290	+	2.275E-25	9.02748E-24	0.21698	hyper	sig	chr15_79091290
chr13	26759750	26759750	+	2.279E-25	9.04138E-24	0.295732	hyper	sig	chr13_26759750
chr16	54932756	54932756	+	2.282E-25	9.05221E-24	0.321462	hyper	sig	chr16_54932756
chr17	79712129	79712129	+	2.285E-25	9.06397E-24	-0.25011	hypo	sig	chr17_79712129
chr19	57585197	57585197	+	2.285E-25	9.06397E-24	-0.24246	hypo	sig	chr19_57585197
chr1	2.44E+08	243917435	+	2.285E-25	9.06517E-24	0.306767	hyper	sig	chr1_243917435
chr11	1339085	1339085	+	2.288E-25	9.07774E-24	-0.22386	hypo	sig	chr11_1339085
chr13	29505289	29505289	+	2.289E-25	9.07944E-24	-0.26029	hypo	sig	chr13_29505289
chr18	36188227	36188227	+	2.29E-25	9.08242E-24	-0.29879	hypo	sig	chr18_36188227
chr5	1.71E+08	170501871	+	2.29E-25	9.084E-24	-0.35399	hypo	sig	chr5_170501871
chr19	49133093	49133093	+	2.296E-25	9.10713E-24	0.341261	hyper	sig	chr19_49133093
chr15	34754542	34754542	+	2.304E-25	9.13526E-24	0.335855	hyper	sig	chr15_34754542
chr10	49115119	49115119	+	2.306E-25	9.14473E-24	0.262402	hyper	sig	chr10_49115119
chr2	1.19E+08	118842901	+	2.31E-25	9.15982E-24	0.209681	hyper	sig	chr2_118842901
chr15	83284017	83284017	+	2.311E-25	9.16202E-24	0.308955	hyper	sig	chr15_83284017
chr11	614846	614846	+	2.317E-25	9.18415E-24	-0.24186	hypo	sig	chr11_614846
chr4	4858180	4858180	+	2.322E-25	9.20513E-24	0.281779	hyper	sig	chr4_4858180
chr11	44929726	44929726	+	2.33E-25	9.23449E-24	-0.22629	hypo	sig	chr11_44929726
chr16	85222808	85222808	+	2.33E-25	9.23449E-24	-0.24463	hypo	sig	chr16_85222808
chr5	1.16E+08	115963243	+	2.332E-25	9.24174E-24	0.229669	hyper	sig	chr5_115963243
chr5	45696316	45696316	+	2.335E-25	9.25549E-24	0.239096	hyper	sig	chr5_45696316
chr8	9905198	9905198	+	2.336E-25	9.25913E-24	0.221679	hyper	sig	chr8_9905198
chr11	2141107	2141107	+	2.341E-25	9.27767E-24	0.216175	hyper	sig	chr11_2141107
chr6	1.08E+08	108174712	+	2.342E-25	9.27975E-24	0.27039	hyper	sig	chr6_108174712
chr2	2.22E+08	222297349	+	2.342E-25	9.2816E-24	0.248382	hyper	sig	chr2_222297349
chr6	98842861	98842861	+	2.346E-25	9.29507E-24	0.261776	hyper	sig	chr6_98842861
chr4	3689570	3689570	+	2.348E-25	9.3047E-24	-0.22051	hypo	sig	chr4_3689570
chr5	1.41E+08	141382748	+	2.358E-25	9.34127E-24	0.276682	hyper	sig	chr5_141382748
chr22	49671325	49671325	+	2.364E-25	9.36656E-24	0.264596	hyper	sig	chr22_49671325
chr4	6329607	6329607	+	2.369E-25	9.38681E-24	-0.35275	hypo	sig	chr4_6329607
chr8	66963328	66963328	+	2.375E-25	9.40689E-24	0.38377	hyper	sig	chr8_66963328
chr11	92225916	92225916	+	2.376E-25	9.41133E-24	0.265195	hyper	sig	chr11_92225916
chr2	2.42E+08	242057152	+	2.376E-25	9.41188E-24	-0.26987	hypo	sig	chr2_242057152
chr5	1.75E+08	175060005	+	2.379E-25	9.42297E-24	0.258562	hyper	sig	chr5_175060005
chr17	81158236	81158236	+	2.396E-25	9.48878E-24	-0.20232	hypo	sig	chr17_81158236
chr15	78618805	78618805	+	2.399E-25	9.50228E-24	-0.32107	hypo	sig	chr15_78618805
chr2	1.3E+08	130129601	+	2.405E-25	9.52507E-24	-0.28223	hypo	sig	chr2_130129601
chr1	3743048	3743048	+	2.406E-25	9.52719E-24	-0.27245	hypo	sig	chr1_3743048
chr1	17149579	17149579	+	2.414E-25	9.5575E-24	0.288324	hyper	sig	chr1_17149579
chr7	1.51E+08	151188024	+	2.42E-25	9.57969E-24	-0.22607	hypo	sig	chr7_151188024
chr3	1.47E+08	147392001	+	2.421E-25	9.58559E-24	0.278246	hyper	sig	chr3_147392001
chr15	89410060	89410060	+	2.426E-25	9.60522E-24	0.259008	hyper	sig	chr15_89410060
chr1	3206533	3206533	+	2.429E-25	9.61454E-24	-0.25381	hypo	sig	chr1_3206533
chr1	1.07E+08	107140164	+	2.431E-25	9.6221E-24	0.205065	hyper	sig	chr1_107140164
chr12	70920503	70920503	+	2.437E-25	9.64631E-24	0.249437	hyper	sig	chr12_70920503
chr6	84764957	84764957	+	2.443E-25	9.66798E-24	0.264395	hyper	sig	chr6_84764957
chr17	76917337	76917337	+	2.452E-25	9.70401E-24	-0.25695	hypo	sig	chr17_76917337
chr14	85529792	85529792	+	2.452E-25	9.70424E-24	0.329055	hyper	sig	chr14_85529792
chr1	1.81E+08	181318667	+	2.466E-25	9.75582E-24	0.279717	hyper	sig	chr1_181318667
chr6	1.51E+08	151350559	+	2.468E-25	9.76426E-24	-0.33708	hypo	sig	chr6_151350559

chr9	975799	975799	+	2.472E-25	9.7806E-24	0.279801	hyper	sig	chr9_975799
chr7	8443685	8443685	+	2.476E-25	9.79571E-24	0.259059	hyper	sig	chr7_8443685
chr4	1.09E+08	109302596	+	2.477E-25	9.79825E-24	0.219331	hyper	sig	chr4_109302596
chr19	23002779	23002779	+	2.478E-25	9.80273E-24	0.316442	hyper	sig	chr19_23002779
chr5	1854839	1854839	+	2.48E-25	9.80959E-24	-0.26161	hypo	sig	chr5_1854839
chr19	16283834	16283834	+	2.491E-25	9.85265E-24	0.261017	hyper	sig	chr19_16283834
chr15	52788326	52788326	+	2.506E-25	9.91298E-24	0.274213	hyper	sig	chr15_52788326
chr2	44932524	44932524	+	2.514E-25	9.94289E-24	0.228439	hyper	sig	chr2_44932524
chr5	1.75E+08	175443947	+	2.516E-25	9.95244E-24	0.223404	hyper	sig	chr5_175443947
chr2	2.33E+08	232519779	+	2.529E-25	9.99964E-24	-0.27121	hypo	sig	chr2_232519779
chr2	1.72E+08	172080655	+	2.532E-25	1.00116E-23	0.225887	hyper	sig	chr2_172080655
chr12	54055102	54055102	+	2.538E-25	1.00364E-23	0.288488	hyper	sig	chr12_54055102
chr4	912663	912663	+	2.54E-25	1.00451E-23	-0.24248	hypo	sig	chr4_912663
chr15	31483195	31483195	+	2.549E-25	1.00765E-23	0.262518	hyper	sig	chr15_31483195
chr6	28634842	28634842	+	2.555E-25	1.01006E-23	0.232183	hyper	sig	chr6_28634842
chr5	41510039	41510039	+	2.558E-25	1.01117E-23	0.292557	hyper	sig	chr5_41510039
chr13	1.14E+08	113671484	+	2.558E-25	1.0112E-23	-0.26987	hypo	sig	chr13_113671484
chr12	53961752	53961752	+	2.566E-25	1.01426E-23	0.231478	hyper	sig	chr12_53961752
chr4	1.11E+08	110618281	+	2.568E-25	1.01505E-23	0.214921	hyper	sig	chr4_110618281
chr20	38674340	38674340	+	2.569E-25	1.01547E-23	0.263058	hyper	sig	chr20_38674340
chr10	1.16E+08	116272080	+	2.579E-25	1.01934E-23	0.281345	hyper	sig	chr10_116272080
chr5	1.41E+08	141431505	+	2.58E-25	1.01941E-23	0.268599	hyper	sig	chr5_141431505
chr7	50304910	50304910	+	2.586E-25	1.02189E-23	0.204081	hyper	sig	chr7_50304910
chr11	1927748	1927748	+	2.589E-25	1.02286E-23	-0.21902	hypo	sig	chr11_1927748
chr3	1.51E+08	150519812	+	2.59E-25	1.02331E-23	-0.32686	hypo	sig	chr3_150519812
chr22	16962744	16962744	+	2.591E-25	1.02354E-23	-0.22692	hypo	sig	chr22_16962744
chr11	27720559	27720559	+	2.598E-25	1.02645E-23	0.23398	hyper	sig	chr11_27720559
chr7	27106738	27106738	+	2.602E-25	1.02793E-23	0.254323	hyper	sig	chr7_27106738
chr3	1.43E+08	143121349	+	2.614E-25	1.0324E-23	0.263193	hyper	sig	chr3_143121349
chr3	1.7E+08	169822791	+	2.622E-25	1.03561E-23	-0.3259	hypo	sig	chr3_169822791
chr6	36270436	36270436	+	2.624E-25	1.03624E-23	-0.22061	hypo	sig	chr6_36270436
chr4	54104068	54104068	+	2.631E-25	1.03884E-23	0.20826	hyper	sig	chr4_54104068
chr19	52535852	52535852	+	2.633E-25	1.03956E-23	0.277594	hyper	sig	chr19_52535852
chr6	83853151	83853151	+	2.634E-25	1.04004E-23	0.24267	hyper	sig	chr6_83853151
chr13	35471025	35471025	+	2.634E-25	1.04018E-23	0.265487	hyper	sig	chr13_35471025
chr3	1.47E+08	147397163	+	2.636E-25	1.04081E-23	0.251242	hyper	sig	chr3_147397163
chr19	18101457	18101457	+	2.637E-25	1.04125E-23	-0.30909	hypo	sig	chr19_18101457
chr1	7059047	7059047	+	2.653E-25	1.04727E-23	-0.242	hypo	sig	chr1_7059047
chr1	2.17E+08	217137621	+	2.657E-25	1.04883E-23	0.21993	hyper	sig	chr1_217137621
chr1	2.29E+08	229407373	+	2.658E-25	1.04942E-23	0.323258	hyper	sig	chr1_229407373
chr7	1.49E+08	149415256	+	2.671E-25	1.05426E-23	0.267943	hyper	sig	chr7_149415256
chr14	35402751	35402751	+	2.671E-25	1.05438E-23	0.222944	hyper	sig	chr14_35402751
chr16	75206616	75206616	+	2.675E-25	1.05575E-23	-0.30772	hypo	sig	chr16_75206616
chr3	1.92E+08	192410204	+	2.675E-25	1.05592E-23	0.410676	hyper	sig	chr3_192410204
chr19	55362934	55362934	+	2.676E-25	1.05616E-23	-0.27648	hypo	sig	chr19_55362934
chr16	833930	833930	+	2.685E-25	1.05958E-23	-0.32276	hypo	sig	chr16_833930
chr7	24285338	24285338	+	2.686E-25	1.05985E-23	0.29626	hyper	sig	chr7_24285338
chr4	10461781	10461781	+	2.692E-25	1.06228E-23	0.287298	hyper	sig	chr4_10461781
chr14	36513519	36513519	+	2.694E-25	1.06298E-23	0.23406	hyper	sig	chr14_36513519
chr8	42499363	42499363	+	2.699E-25	1.06478E-23	0.260383	hyper	sig	chr8_42499363
chr5	33938804	33938804	+	2.7E-25	1.06502E-23	0.241924	hyper	sig	chr5_33938804
chr19	57600308	57600308	+	2.706E-25	1.06764E-23	0.233504	hyper	sig	chr19_57600308
chr10	1.23E+08	122954535	+	2.71E-25	1.06898E-23	0.209977	hyper	sig	chr10_122954535
chr4	1.11E+08	110641443	+	2.713E-25	1.06992E-23	0.263507	hyper	sig	chr4_110641443
chr13	1.02E+08	101706827	+	2.715E-25	1.07087E-23	-0.37456	hypo	sig	chr13_101706827
chr19	20078222	20078222	+	2.715E-25	1.07087E-23	0.241664	hyper	sig	chr19_20078222

chr6	401453	401453	+	2.718E-25	1.07204E-23	-0.21471	hypo	sig	chr6_401453
chr7	8442627	8442627	+	2.721E-25	1.07312E-23	0.220691	hyper	sig	chr7_8442627
chr14	1.05E+08	104637345	+	2.726E-25	1.07489E-23	-0.30414	hypo	sig	chr14_104637345
chr14	37585525	37585525	+	2.727E-25	1.07541E-23	0.25456	hyper	sig	chr14_37585525
chr19	48491669	48491669	+	2.734E-25	1.07803E-23	0.241606	hyper	sig	chr19_48491669
chr15	34495816	34495816	+	2.743E-25	1.08143E-23	0.223116	hyper	sig	chr15_34495816
chr4	89836382	89836382	+	2.749E-25	1.0837E-23	0.235928	hyper	sig	chr4_89836382
chr11	64971871	64971871	+	2.751E-25	1.08471E-23	0.229603	hyper	sig	chr11_64971871
chr7	19117940	19117940	+	2.753E-25	1.08536E-23	0.354588	hyper	sig	chr7_19117940
chr6	2697504	2697504	+	2.756E-25	1.08627E-23	-0.2667	hypo	sig	chr6_2697504
chr21	33024789	33024789	+	2.759E-25	1.08742E-23	0.259575	hyper	sig	chr21_33024789
chr7	1.58E+08	158253558	+	2.773E-25	1.09269E-23	-0.25836	hypo	sig	chr7_158253558
chr19	1467081	1467081	+	2.776E-25	1.0939E-23	0.258158	hyper	sig	chr19_1467081
chr3	1.54E+08	154428915	+	2.778E-25	1.09466E-23	0.217251	hyper	sig	chr3_154428915
chr10	1.23E+08	123134523	+	2.783E-25	1.09668E-23	0.224763	hyper	sig	chr10_123134523
chr20	3408900	3408900	+	2.786E-25	1.09744E-23	0.248898	hyper	sig	chr20_3408900
chr12	53945513	53945513	+	2.787E-25	1.09807E-23	0.248295	hyper	sig	chr12_53945513
chr5	78507639	78507639	+	2.79E-25	1.09885E-23	-0.29549	hypo	sig	chr5_78507639
chr5	1.29E+08	128965604	+	2.79E-25	1.09885E-23	0.266843	hyper	sig	chr5_128965604
chr16	29181956	29181956	+	2.792E-25	1.09982E-23	-0.22063	hypo	sig	chr16_29181956
chr20	40690713	40690713	+	2.794E-25	1.10063E-23	0.246547	hyper	sig	chr20_40690713
chr2	66576140	66576140	+	2.797E-25	1.10174E-23	0.266496	hyper	sig	chr2_66576140
chr15	59993547	59993547	+	2.798E-25	1.10187E-23	0.218601	hyper	sig	chr15_59993547
chr10	50674956	50674956	+	2.799E-25	1.10247E-23	-0.25265	hypo	sig	chr10_50674956
chr20	24471222	24471222	+	2.804E-25	1.10414E-23	0.226577	hyper	sig	chr20_24471222
chr2	94994291	94994291	+	2.808E-25	1.1057E-23	-0.34506	hypo	sig	chr2_94994291
chr10	1.01E+08	101134192	+	2.815E-25	1.10837E-23	0.254082	hyper	sig	chr10_101134192
chr14	26598501	26598501	+	2.815E-25	1.10837E-23	0.252726	hyper	sig	chr14_26598501
chr5	1.41E+08	141430837	+	2.816E-25	1.10871E-23	0.228843	hyper	sig	chr5_141430837
chr5	50440792	50440792	+	2.824E-25	1.11182E-23	0.209528	hyper	sig	chr5_50440792
chr12	1.2E+08	119593994	+	2.826E-25	1.11266E-23	0.235162	hyper	sig	chr12_119593994
chr17	65228885	65228885	+	2.827E-25	1.11284E-23	-0.24929	hypo	sig	chr17_65228885
chr12	1.14E+08	114443934	+	2.834E-25	1.11558E-23	0.218266	hyper	sig	chr12_114443934
chr4	1.11E+08	110639316	+	2.838E-25	1.11693E-23	0.367688	hyper	sig	chr4_110639316
chr18	11752131	11752131	+	2.846E-25	1.11973E-23	0.323428	hyper	sig	chr18_11752131
chr2	1.82E+08	181684869	+	2.846E-25	1.11973E-23	0.251052	hyper	sig	chr2_181684869
chr7	1.5E+08	149883887	+	2.845E-25	1.11973E-23	-0.28121	hypo	sig	chr7_149883887
chr12	1.14E+08	114405538	+	2.849E-25	1.12115E-23	0.204169	hyper	sig	chr12_114405538
chr7	1761887	1761887	+	2.85E-25	1.12137E-23	-0.31256	hypo	sig	chr7_1761887
chr4	1.72E+08	171812584	+	2.852E-25	1.12203E-23	0.255383	hyper	sig	chr4_171812584
chr4	2306271	2306271	+	2.853E-25	1.12225E-23	-0.23523	hypo	sig	chr4_2306271
chr10	1.09E+08	109456730	+	2.858E-25	1.12437E-23	0.302998	hyper	sig	chr10_109456730
chr13	1.12E+08	111893377	+	2.859E-25	1.12486E-23	0.242311	hyper	sig	chr13_111893377
chr3	1.47E+08	147397279	+	2.866E-25	1.12733E-23	0.239666	hyper	sig	chr3_147397279
chr8	1514936	1514936	+	2.869E-25	1.12837E-23	-0.24036	hypo	sig	chr8_1514936
chr10	1.33E+08	133165768	+	2.871E-25	1.12909E-23	-0.23389	hypo	sig	chr10_133165768
chr13	1.12E+08	112057673	+	2.875E-25	1.13048E-23	0.252868	hyper	sig	chr13_112057673
chr16	89621945	89621945	+	2.885E-25	1.13472E-23	0.212883	hyper	sig	chr16_89621945
chr18	46757880	46757880	+	2.891E-25	1.13668E-23	0.209883	hyper	sig	chr18_46757880
chr2	2.13E+08	212536586	+	2.896E-25	1.13845E-23	0.240198	hyper	sig	chr2_212536586
chr20	63361764	63361764	+	2.896E-25	1.13845E-23	0.234522	hyper	sig	chr20_63361764
chr3	1.93E+08	192727292	+	2.895E-25	1.13845E-23	0.243285	hyper	sig	chr3_192727292
chr11	75237048	75237048	+	2.898E-25	1.13915E-23	-0.33832	hypo	sig	chr11_75237048
chr10	1.32E+08	131981054	+	2.899E-25	1.13967E-23	0.260369	hyper	sig	chr10_131981054
chr17	78041283	78041283	+	2.901E-25	1.14016E-23	-0.22653	hypo	sig	chr17_78041283
chr16	51155973	51155973	+	2.913E-25	1.14482E-23	0.276701	hyper	sig	chr16_51155973

chr17	48606224	48606224	+	2.915E-25	1.14575E-23	-0.22206	hypo	sig	chr17_48606224
chr20	56004714	56004714	+	2.917E-25	1.14633E-23	0.270405	hyper	sig	chr20_56004714
chr8	41785883	41785883	+	2.918E-25	1.14669E-23	-0.24321	hypo	sig	chr8_41785883
chr3	1.28E+08	128496722	+	2.926E-25	1.14978E-23	0.242985	hyper	sig	chr3_128496722
chr20	23049480	23049480	+	2.931E-25	1.15176E-23	0.209307	hyper	sig	chr20_23049480
chr12	1.32E+08	132394364	+	2.935E-25	1.15332E-23	-0.23519	hypo	sig	chr12_132394364
chr5	1724769	1724769	+	2.936E-25	1.15357E-23	-0.28756	hypo	sig	chr5_1724769
chr10	1.24E+08	123668254	+	2.937E-25	1.15377E-23	-0.25143	hypo	sig	chr10_123668254
chr8	64379660	64379660	+	2.94E-25	1.15498E-23	0.2637	hyper	sig	chr8_64379660
chr14	36514288	36514288	+	2.957E-25	1.1618E-23	0.223087	hyper	sig	chr14_36514288
chr13	1.12E+08	112067507	+	2.961E-25	1.16325E-23	0.309183	hyper	sig	chr13_112067507
chr4	1.22E+08	121765164	+	2.962E-25	1.16327E-23	0.211637	hyper	sig	chr4_121765164
chr20	20365493	20365493	+	2.974E-25	1.16815E-23	0.354736	hyper	sig	chr20_20365493
chr17	45785634	45785634	+	2.983E-25	1.17139E-23	0.290068	hyper	sig	chr17_45785634
chr13	35478672	35478672	+	2.984E-25	1.17178E-23	0.351082	hyper	sig	chr13_35478672
chr15	81134328	81134328	+	2.984E-25	1.17189E-23	0.249601	hyper	sig	chr15_81134328
chr8	10404199	10404199	+	2.988E-25	1.17333E-23	-0.35407	hypo	sig	chr8_10404199
chr1	2.05E+08	204617419	+	2.989E-25	1.17352E-23	-0.28207	hypo	sig	chr1_204617419
chr17	49496985	49496985	+	2.989E-25	1.17355E-23	0.270807	hyper	sig	chr17_49496985
chr4	80185968	80185968	+	3.002E-25	1.17862E-23	0.263005	hyper	sig	chr4_80185968
chr19	36421856	36421856	+	3.007E-25	1.18051E-23	0.282348	hyper	sig	chr19_36421856
chr2	20670271	20670271	+	3.008E-25	1.1808E-23	0.270552	hyper	sig	chr2_20670271
chr1	929499	929499	+	3.01E-25	1.18137E-23	-0.25694	hypo	sig	chr1_929499
chr1	2.03E+08	203185242	+	3.01E-25	1.18137E-23	-0.26866	hypo	sig	chr1_203185242
chr1	1.19E+08	118983675	+	3.013E-25	1.18251E-23	0.230808	hyper	sig	chr1_118983675
chr14	1.04E+08	104422711	+	3.014E-25	1.18268E-23	0.271673	hyper	sig	chr14_104422711
chr1	1.19E+08	118979361	+	3.016E-25	1.1836E-23	0.256143	hyper	sig	chr1_118979361
chr4	1.11E+08	110614375	+	3.018E-25	1.18423E-23	0.317966	hyper	sig	chr4_110614375
chr16	3183811	3183811	+	3.021E-25	1.1854E-23	0.251356	hyper	sig	chr16_3183811
chr3	1.92E+08	191952468	+	3.021E-25	1.18546E-23	-0.24653	hypo	sig	chr3_191952468
chr12	54090527	54090527	+	3.027E-25	1.18761E-23	0.244734	hyper	sig	chr12_54090527
chr5	1.35E+08	135038986	+	3.03E-25	1.18891E-23	0.312623	hyper	sig	chr5_135038986
chr15	89367923	89367923	+	3.037E-25	1.19144E-23	0.251204	hyper	sig	chr15_89367923
chr17	80353037	80353037	+	3.039E-25	1.19214E-23	-0.23252	hypo	sig	chr17_80353037
chr22	46085360	46085360	+	3.042E-25	1.19317E-23	-0.26755	hypo	sig	chr22_46085360
chr8	1.04E+08	104467062	+	3.042E-25	1.19329E-23	0.238623	hyper	sig	chr8_104467062
chr3	1.49E+08	148946894	+	3.049E-25	1.19584E-23	-0.2175	hypo	sig	chr3_148946894
chr4	1.39E+08	139279502	+	3.056E-25	1.19849E-23	0.212074	hyper	sig	chr4_139279502
chr13	1.1E+08	110309477	+	3.06E-25	1.20002E-23	0.24145	hyper	sig	chr13_110309477
chr6	32070408	32070408	+	3.066E-25	1.20238E-23	-0.2362	hypo	sig	chr6_32070408
chr3	1.54E+08	154428081	+	3.073E-25	1.20515E-23	0.299519	hyper	sig	chr3_154428081
chr8	1.42E+08	141643854	+	3.082E-25	1.20872E-23	-0.2297	hypo	sig	chr8_141643854
chr19	33684575	33684575	+	3.085E-25	1.20978E-23	0.205266	hyper	sig	chr19_33684575
chr10	1.01E+08	101236487	+	3.087E-25	1.21034E-23	0.200447	hyper	sig	chr10_101236487
chr6	1625164	1625164	+	3.087E-25	1.21052E-23	0.252022	hyper	sig	chr6_1625164
chr15	23180302	23180302	+	3.09E-25	1.21164E-23	0.222224	hyper	sig	chr15_23180302
chr19	56192972	56192972	+	3.102E-25	1.21588E-23	-0.24256	hypo	sig	chr19_56192972
chr7	1.08E+08	107843395	+	3.104E-25	1.21657E-23	-0.29975	hypo	sig	chr7_107843395
chr3	1.29E+08	128507228	+	3.117E-25	1.22164E-23	-0.24354	hypo	sig	chr3_128507228
chr6	1.6E+08	159820546	+	3.122E-25	1.22359E-23	-0.27755	hypo	sig	chr6_159820546
chr5	73298737	73298737	+	3.13E-25	1.22658E-23	0.213402	hyper	sig	chr5_73298737
chr4	1.11E+08	110639968	+	3.144E-25	1.23194E-23	0.322763	hyper	sig	chr4_110639968
chr2	5691015	5691015	+	3.145E-25	1.23233E-23	0.271564	hyper	sig	chr2_5691015
chr13	1.12E+08	112057597	+	3.147E-25	1.23295E-23	0.219948	hyper	sig	chr13_112057597
chr17	83063875	83063875	+	3.148E-25	1.23314E-23	-0.2584	hypo	sig	chr17_83063875
chr5	73298604	73298604	+	3.148E-25	1.2333E-23	0.334855	hyper	sig	chr5_73298604

chr1	16981808	16981808	+	3.156E-25	1.23617E-23	-0.23643	hypo	sig	chr1_16981808
chr10	68957546	68957546	+	3.156E-25	1.23617E-23	-0.25521	hypo	sig	chr10_68957546
chr5	1555739	1555739	+	3.156E-25	1.23617E-23	-0.26059	hypo	sig	chr5_1555739
chr20	30891884	30891884	+	3.16E-25	1.23752E-23	0.334593	hyper	sig	chr20_30891884
chr19	37817447	37817447	+	3.16E-25	1.23782E-23	0.294046	hyper	sig	chr19_37817447
chr3	1.47E+08	147394604	+	3.162E-25	1.23854E-23	0.227221	hyper	sig	chr3_147394604
chr19	57351077	57351077	+	3.163E-25	1.23877E-23	0.215159	hyper	sig	chr19_57351077
chr4	55794220	55794220	+	3.166E-25	1.23984E-23	0.212732	hyper	sig	chr4_55794220
chr11	31799463	31799463	+	3.168E-25	1.24051E-23	0.21144	hyper	sig	chr11_31799463
chr6	1.01E+08	101398992	+	3.169E-25	1.24078E-23	0.247468	hyper	sig	chr6_101398992
chr6	89298131	89298131	+	3.17E-25	1.24102E-23	-0.26078	hypo	sig	chr6_89298131
chr15	1.01E+08	100880784	+	3.17E-25	1.24105E-23	0.362992	hyper	sig	chr15_100880784
chr1	75135389	75135389	+	3.171E-25	1.24139E-23	0.23156	hyper	sig	chr1_75135389
chr1	3078942	3078942	+	3.173E-25	1.24219E-23	-0.2226	hypo	sig	chr1_3078942
chr7	1.5E+08	150341460	+	3.176E-25	1.2432E-23	0.242279	hyper	sig	chr7_150341460
chr1	8343638	8343638	+	3.177E-25	1.2436E-23	-0.23253	hypo	sig	chr1_8343638
chr1	2.28E+08	228006414	+	3.18E-25	1.24467E-23	0.285498	hyper	sig	chr1_228006414
chr8	96159389	96159389	+	3.18E-25	1.24477E-23	0.300415	hyper	sig	chr8_96159389
chr1	12549697	12549697	+	3.185E-25	1.24629E-23	-0.27703	hypo	sig	chr1_12549697
chr6	1.18E+08	117920323	+	3.185E-25	1.2463E-23	0.260778	hyper	sig	chr6_117920323
chr7	2665622	2665622	+	3.186E-25	1.24649E-23	-0.21886	hypo	sig	chr7_2665622
chr6	1.68E+08	168156017	+	3.191E-25	1.24839E-23	-0.30849	hypo	sig	chr6_168156017
chr5	1.59E+08	159104630	+	3.192E-25	1.24901E-23	0.268352	hyper	sig	chr5_159104630
chr1	3651470	3651470	+	3.199E-25	1.25169E-23	0.208466	hyper	sig	chr1_3651470
chr16	843139	843139	+	3.202E-25	1.25273E-23	-0.29074	hypo	sig	chr16_843139
chr16	85484151	85484151	+	3.211E-25	1.25611E-23	-0.31101	hypo	sig	chr16_85484151
chr5	1.35E+08	135038794	+	3.239E-25	1.26671E-23	0.241183	hyper	sig	chr5_135038794
chr19	53963253	53963253	+	3.254E-25	1.27256E-23	0.330754	hyper	sig	chr19_53963253
chr16	86497211	86497211	+	3.262E-25	1.27586E-23	0.266609	hyper	sig	chr16_86497211
chr7	1.56E+08	155922392	+	3.302E-25	1.29135E-23	-0.2663	hypo	sig	chr7_155922392
chr1	19881883	19881883	+	3.303E-25	1.29157E-23	-0.24516	hypo	sig	chr1_19881883
chr13	52848181	52848181	+	3.306E-25	1.29281E-23	0.274293	hyper	sig	chr13_52848181
chr2	691055	691055	+	3.31E-25	1.29425E-23	-0.31866	hypo	sig	chr2_691055
chr14	1.06E+08	105624884	+	3.311E-25	1.29466E-23	-0.21398	hypo	sig	chr14_105624884
chr1	1426316	1426316	+	3.314E-25	1.29568E-23	-0.28391	hypo	sig	chr1_1426316
chr1	2.09E+08	209232718	+	3.32E-25	1.29768E-23	-0.28192	hypo	sig	chr1_209232718
chr16	87278394	87278394	+	3.322E-25	1.29874E-23	-0.2722	hypo	sig	chr16_87278394
chr1	27664456	27664456	+	3.327E-25	1.30058E-23	-0.28164	hypo	sig	chr1_27664456
chr17	4785391	4785391	+	3.33E-25	1.3017E-23	0.22612	hyper	sig	chr17_4785391
chr14	1.05E+08	104588720	+	3.332E-25	1.3022E-23	-0.25188	hypo	sig	chr14_104588720
chr1	75128381	75128381	+	3.332E-25	1.30242E-23	0.27864	hyper	sig	chr1_75128381
chr11	8018910	8018910	+	3.335E-25	1.30325E-23	0.249733	hyper	sig	chr11_8018910
chr2	2.28E+08	228181692	+	3.337E-25	1.30393E-23	0.280883	hyper	sig	chr2_228181692
chr12	1.19E+08	118774378	+	3.338E-25	1.30452E-23	0.225388	hyper	sig	chr12_118774378
chr11	17720935	17720935	+	3.339E-25	1.30472E-23	0.327926	hyper	sig	chr11_17720935
chr15	81134334	81134334	+	3.343E-25	1.30616E-23	0.249816	hyper	sig	chr15_81134334
chr2	38038425	38038425	+	3.345E-25	1.30672E-23	0.364911	hyper	sig	chr2_38038425
chr2	1E+08	100322594	+	3.357E-25	1.31155E-23	0.252271	hyper	sig	chr2_100322594
chr2	20671298	20671298	+	3.359E-25	1.31206E-23	0.28305	hyper	sig	chr2_20671298
chr12	54053961	54053961	+	3.364E-25	1.31392E-23	0.231943	hyper	sig	chr12_54053961
chr11	32427617	32427617	+	3.377E-25	1.31902E-23	0.216771	hyper	sig	chr11_32427617
chr14	85529433	85529433	+	3.384E-25	1.32177E-23	0.354012	hyper	sig	chr14_85529433
chr18	6928953	6928953	+	3.386E-25	1.32254E-23	-0.2961	hypo	sig	chr18_6928953
chr15	82681095	82681095	+	3.388E-25	1.32293E-23	0.321839	hyper	sig	chr15_82681095
chr20	46058486	46058486	+	3.394E-25	1.32536E-23	0.243921	hyper	sig	chr20_46058486
chr6	27545220	27545220	+	3.399E-25	1.32712E-23	0.23335	hyper	sig	chr6_27545220

chr13	53201823	53201823	+	3.401E-25	1.32787E-23	0.278838	hyper	sig	chr13_53201823
chr17	77373882	77373882	+	3.401E-25	1.32787E-23	0.301159	hyper	sig	chr17_77373882
chr5	1.46E+08	145836221	+	3.411E-25	1.33166E-23	-0.27482	hypo	sig	chr5_145836221
chr11	64972256	64972256	+	3.412E-25	1.332E-23	0.304363	hyper	sig	chr11_64972256
chr2	1.76E+08	176083212	+	3.417E-25	1.33377E-23	0.277724	hyper	sig	chr2_176083212
chr12	1.32E+08	132196336	+	3.42E-25	1.33505E-23	-0.21025	hypo	sig	chr12_132196336
chr4	92305448	92305448	+	3.424E-25	1.33638E-23	0.203091	hyper	sig	chr4_92305448
chr16	89383666	89383666	+	3.434E-25	1.34042E-23	-0.241	hypo	sig	chr16_89383666
chr5	88689760	88689760	+	3.436E-25	1.34106E-23	0.246837	hyper	sig	chr5_88689760
chr9	971528	971528	+	3.437E-25	1.34111E-23	0.305876	hyper	sig	chr9_971528
chr1	47439845	47439845	+	3.438E-25	1.34143E-23	0.291741	hyper	sig	chr1_47439845
chr13	1.1E+08	110309475	+	3.44E-25	1.3425E-23	0.255223	hyper	sig	chr13_110309475
chr14	92324241	92324241	+	3.442E-25	1.34289E-23	0.207219	hyper	sig	chr14_92324241
chr3	1.54E+08	154429090	+	3.442E-25	1.34289E-23	0.238187	hyper	sig	chr3_154429090
chr10	1.32E+08	131981031	+	3.446E-25	1.34424E-23	0.253464	hyper	sig	chr10_131981031
chr5	50440780	50440780	+	3.457E-25	1.34853E-23	0.203743	hyper	sig	chr5_50440780
chr11	31797671	31797671	+	3.457E-25	1.34855E-23	0.27493	hyper	sig	chr11_31797671
chr7	2607311	2607311	+	3.46E-25	1.34986E-23	-0.22608	hypo	sig	chr7_2607311
chr3	1.82E+08	181725215	+	3.466E-25	1.35185E-23	0.284719	hyper	sig	chr3_181725215
chr15	22949537	22949537	+	3.471E-25	1.35368E-23	-0.28059	hypo	sig	chr15_22949537
chr5	1232521	1232521	+	3.472E-25	1.35417E-23	-0.33697	hypo	sig	chr5_1232521
chr22	16602497	16602497	+	3.472E-25	1.35422E-23	0.309944	hyper	sig	chr22_16602497
chr2	1.45E+08	144520174	+	3.478E-25	1.35607E-23	0.208308	hyper	sig	chr2_144520174
chr10	3127343	3127343	+	3.478E-25	1.35611E-23	-0.26003	hypo	sig	chr10_3127343
chr6	28635486	28635486	+	3.481E-25	1.35724E-23	0.315859	hyper	sig	chr6_28635486
chr19	15011134	15011134	+	3.491E-25	1.36094E-23	0.265511	hyper	sig	chr19_15011134
chr13	26760224	26760224	+	3.494E-25	1.36221E-23	0.207781	hyper	sig	chr13_26760224
chr3	16536260	16536260	+	3.501E-25	1.36479E-23	-0.27568	hypo	sig	chr3_16536260
chr12	6075350	6075350	+	3.515E-25	1.3703E-23	-0.29122	hypo	sig	chr12_6075350
chr5	41510063	41510063	+	3.517E-25	1.37108E-23	0.326292	hyper	sig	chr5_41510063
chr7	1.5E+08	149833895	+	3.519E-25	1.37182E-23	-0.30295	hypo	sig	chr7_149833895
chr19	36973255	36973255	+	3.521E-25	1.37243E-23	0.278947	hyper	sig	chr19_36973255
chr18	7116968	7116968	+	3.525E-25	1.37367E-23	0.299378	hyper	sig	chr18_7116968
chr6	1E+08	100449480	+	3.525E-25	1.37367E-23	0.285536	hyper	sig	chr6_100449480
chr17	14303989	14303989	+	3.535E-25	1.37753E-23	0.222444	hyper	sig	chr17_14303989
chr12	41189565	41189565	+	3.536E-25	1.37775E-23	0.342459	hyper	sig	chr12_41189565
chr10	1.03E+08	103276929	+	3.558E-25	1.3863E-23	0.207995	hyper	sig	chr10_103276929
chr6	1.46E+08	146027732	+	3.567E-25	1.38967E-23	0.28213	hyper	sig	chr6_146027732
chr15	83284022	83284022	+	3.569E-25	1.39049E-23	0.29051	hyper	sig	chr15_83284022
chr20	64240635	64240635	+	3.57E-25	1.39097E-23	-0.26107	hypo	sig	chr20_64240635
chr5	1217518	1217518	+	3.574E-25	1.39231E-23	-0.21499	hypo	sig	chr5_1217518
chr19	1399089	1399089	+	3.595E-25	1.40035E-23	-0.34799	hypo	sig	chr19_1399089
chr3	1.38E+08	137769639	+	3.599E-25	1.40203E-23	0.242349	hyper	sig	chr3_137769639
chr4	1.64E+08	164187580	+	3.601E-25	1.40277E-23	-0.26077	hypo	sig	chr4_164187580
chr16	49491896	49491896	+	3.602E-25	1.40289E-23	-0.20006	hypo	sig	chr16_49491896
chr17	1575628	1575628	+	3.605E-25	1.40398E-23	-0.25208	hypo	sig	chr17_1575628
chr2	80302927	80302927	+	3.607E-25	1.4049E-23	0.2123	hyper	sig	chr2_80302927
chr8	55939589	55939589	+	3.614E-25	1.40731E-23	0.306374	hyper	sig	chr8_55939589
chr1	2432169	2432169	+	3.627E-25	1.41233E-23	-0.20836	hypo	sig	chr1_2432169
chr4	4858395	4858395	+	3.628E-25	1.4127E-23	0.27353	hyper	sig	chr4_4858395
chr13	24746653	24746653	+	3.634E-25	1.41486E-23	0.270638	hyper	sig	chr13_24746653
chr16	56190715	56190715	+	3.642E-25	1.41783E-23	0.252209	hyper	sig	chr16_56190715
chr17	442400	442400	+	3.644E-25	1.41855E-23	-0.20513	hypo	sig	chr17_442400
chr7	24283895	24283895	+	3.644E-25	1.41858E-23	0.369458	hyper	sig	chr7_24283895
chr7	8434991	8434991	+	3.646E-25	1.41937E-23	0.349437	hyper	sig	chr7_8434991
chr5	77632730	77632730	+	3.648E-25	1.42016E-23	0.327617	hyper	sig	chr5_77632730

chr17	1907553	1907553	+	3.674E-25	1.42997E-23	-0.25008	hypo	sig	chr17_1907553
chr22	46085013	46085013	+	3.69E-25	1.43616E-23	-0.30075	hypo	sig	chr22_46085013
chr16	56195268	56195268	+	3.697E-25	1.43887E-23	-0.23475	hypo	sig	chr16_56195268
chr6	7468712	7468712	+	3.697E-25	1.43887E-23	-0.32965	hypo	sig	chr6_7468712
chr2	20671218	20671218	+	3.702E-25	1.44043E-23	0.279167	hyper	sig	chr2_20671218
chr8	1.42E+08	142464468	+	3.702E-25	1.44054E-23	0.216871	hyper	sig	chr8_142464468
chr13	78607907	78607907	+	3.71E-25	1.44366E-23	0.235019	hyper	sig	chr13_78607907
chr6	39314756	39314756	+	3.716E-25	1.44597E-23	-0.248	hypo	sig	chr6_39314756
chr6	1.01E+08	101398915	+	3.718E-25	1.44645E-23	0.260902	hyper	sig	chr6_101398915
chr2	1.27E+08	126781395	+	3.727E-25	1.44992E-23	-0.25718	hypo	sig	chr2_126781395
chr20	60472409	60472409	+	3.735E-25	1.45303E-23	-0.23474	hypo	sig	chr20_60472409
chr22	20364443	20364443	+	3.737E-25	1.45378E-23	-0.29814	hypo	sig	chr22_20364443
chr7	1.51E+08	150969655	+	3.749E-25	1.45825E-23	-0.26037	hypo	sig	chr7_150969655
chr16	86508073	86508073	+	3.749E-25	1.45834E-23	0.276054	hyper	sig	chr16_86508073
chr2	1.32E+08	132257211	+	3.751E-25	1.45886E-23	0.333382	hyper	sig	chr2_132257211
chr16	693366	693366	+	3.756E-25	1.46089E-23	-0.21645	hypo	sig	chr16_693366
chr8	98949743	98949743	+	3.76E-25	1.46225E-23	0.268288	hyper	sig	chr8_98949743
chr5	3591111	3591111	+	3.772E-25	1.46704E-23	0.271368	hyper	sig	chr5_3591111
chr1	3752654	3752654	+	3.777E-25	1.46877E-23	-0.20389	hypo	sig	chr1_3752654
chr19	23070595	23070595	+	3.777E-25	1.46877E-23	0.266427	hyper	sig	chr19_23070595
chr21	37006163	37006163	+	3.78E-25	1.4698E-23	0.296439	hyper	sig	chr21_37006163
chr5	1.69E+08	169301551	+	3.78E-25	1.46987E-23	0.244657	hyper	sig	chr5_169301551
chr5	1555772	1555772	+	3.784E-25	1.47134E-23	-0.28605	hypo	sig	chr5_1555772
chr5	1555729	1555729	+	3.79E-25	1.4733E-23	-0.25867	hypo	sig	chr5_1555729
chr1	2.28E+08	228464500	+	3.798E-25	1.47654E-23	0.256196	hyper	sig	chr1_228464500
chr17	48582340	48582340	+	3.8E-25	1.47711E-23	-0.22539	hypo	sig	chr17_48582340
chr8	10425653	10425653	+	3.811E-25	1.4811E-23	-0.21768	hypo	sig	chr8_10425653
chr4	13534841	13534841	+	3.821E-25	1.48524E-23	0.235656	hyper	sig	chr4_13534841
chr19	3785880	3785880	+	3.828E-25	1.4876E-23	0.257409	hyper	sig	chr19_3785880
chr18	79430099	79430099	+	3.84E-25	1.49249E-23	-0.23295	hypo	sig	chr18_79430099
chr2	1.76E+08	176084165	+	3.844E-25	1.49397E-23	0.262789	hyper	sig	chr2_176084165
chr5	31855319	31855319	+	3.849E-25	1.49575E-23	0.224722	hyper	sig	chr5_31855319
chr13	1.13E+08	113420498	+	3.853E-25	1.49724E-23	-0.275	hypo	sig	chr13_113420498
chr19	56671608	56671608	+	3.872E-25	1.50448E-23	0.310136	hyper	sig	chr19_56671608
chr13	23680157	23680157	+	3.875E-25	1.50567E-23	-0.29372	hypo	sig	chr13_23680157
chr5	1.33E+08	132819602	+	3.894E-25	1.51275E-23	-0.22186	hypo	sig	chr5_132819602
chr11	1.23E+08	122977468	+	3.896E-25	1.51352E-23	0.217084	hyper	sig	chr11_122977468
chr4	41880941	41880941	+	3.918E-25	1.52172E-23	0.271508	hyper	sig	chr4_41880941
chr8	1.43E+08	142510432	+	3.919E-25	1.5224E-23	0.243109	hyper	sig	chr8_142510432
chr16	31568978	31568978	+	3.922E-25	1.52341E-23	0.281012	hyper	sig	chr16_31568978
chr10	1.23E+08	123143762	+	3.924E-25	1.5241E-23	0.260651	hyper	sig	chr10_123143762
chr4	3263553	3263553	+	3.927E-25	1.52487E-23	-0.28285	hypo	sig	chr4_3263553
chr7	546856	546856	+	3.937E-25	1.52882E-23	-0.24747	hypo	sig	chr7_546856
chr3	62374082	62374082	+	3.95E-25	1.53387E-23	0.24051	hyper	sig	chr3_62374082
chr3	1.47E+08	147398139	+	3.957E-25	1.53645E-23	0.250109	hyper	sig	chr3_147398139
chr12	4809972	4809972	+	3.963E-25	1.53853E-23	0.240051	hyper	sig	chr12_4809972
chr11	2140676	2140676	+	3.968E-25	1.5403E-23	0.237725	hyper	sig	chr11_2140676
chr4	1.22E+08	121764496	+	3.974E-25	1.54259E-23	0.284579	hyper	sig	chr4_121764496
chr5	1.73E+08	173234070	+	3.974E-25	1.54277E-23	0.272459	hyper	sig	chr5_173234070
chr20	45097881	45097881	+	3.984E-25	1.54628E-23	0.247472	hyper	sig	chr20_45097881
chr4	1.04E+08	103720053	+	3.991E-25	1.54923E-23	0.265636	hyper	sig	chr4_103720053
chr1	75131326	75131326	+	3.995E-25	1.55035E-23	0.2107	hyper	sig	chr1_75131326
chr5	958184	958184	+	3.995E-25	1.55038E-23	-0.25374	hypo	sig	chr5_958184
chr19	40224568	40224568	+	4.014E-25	1.55751E-23	-0.33637	hypo	sig	chr19_40224568
chr11	2141111	2141111	+	4.019E-25	1.55954E-23	0.208204	hyper	sig	chr11_2141111
chr7	96997476	96997476	+	4.022E-25	1.5606E-23	0.377094	hyper	sig	chr7_96997476

chr19	1168753	1168753	+	4.024E-25	1.56116E-23	0.318814	hyper	sig	chr19_1168753
chr20	63578512	63578512	+	4.026E-25	1.5618E-23	-0.29459	hypo	sig	chr20_63578512
chr10	49396502	49396502	+	4.049E-25	1.5706E-23	0.225775	hyper	sig	chr10_49396502
chr7	97020919	97020919	+	4.056E-25	1.57333E-23	0.230836	hyper	sig	chr7_97020919
chr12	1.3E+08	130163329	+	4.06E-25	1.57484E-23	0.326202	hyper	sig	chr12_130163329
chr1	1.8E+08	179743979	+	4.063E-25	1.57588E-23	0.245891	hyper	sig	chr1_179743979
chr9	1.37E+08	136748442	+	4.064E-25	1.57631E-23	-0.25201	hypo	sig	chr9_136748442
chr6	99609324	99609324	+	4.066E-25	1.5769E-23	0.258918	hyper	sig	chr6_99609324
chr6	1.37E+08	137495359	+	4.071E-25	1.57874E-23	0.205693	hyper	sig	chr6_137495359
chr18	33441039	33441039	+	4.074E-25	1.5799E-23	0.303799	hyper	sig	chr18_33441039
chr11	1.29E+08	128694211	+	4.075E-25	1.58007E-23	0.28006	hyper	sig	chr11_128694211
chr11	67983768	67983768	+	4.076E-25	1.58037E-23	-0.29616	hypo	sig	chr11_67983768
chr14	47676349	47676349	+	4.093E-25	1.58684E-23	0.324029	hyper	sig	chr14_47676349
chr3	1.43E+08	143121380	+	4.098E-25	1.58866E-23	0.248002	hyper	sig	chr3_143121380
chr1	79006606	79006606	+	4.109E-25	1.5929E-23	0.26781	hyper	sig	chr1_79006606
chr1	98053872	98053872	+	4.124E-25	1.59835E-23	0.293165	hyper	sig	chr1_98053872
chr6	1.68E+08	167678721	+	4.124E-25	1.59835E-23	0.311554	hyper	sig	chr6_167678721
chr12	62192146	62192146	+	4.128E-25	1.5999E-23	0.333082	hyper	sig	chr12_62192146
chr17	44988545	44988545	+	4.137E-25	1.60308E-23	0.243292	hyper	sig	chr17_44988545
chr5	90562607	90562607	+	4.14E-25	1.60442E-23	-0.31374	hypo	sig	chr5_90562607
chr19	21852181	21852181	+	4.171E-25	1.61632E-23	0.226572	hyper	sig	chr19_21852181
chr10	1.3E+08	130046702	+	4.208E-25	1.63041E-23	-0.24699	hypo	sig	chr10_130046702
chr5	1.77E+08	177117031	+	4.209E-25	1.63061E-23	0.239508	hyper	sig	chr5_177117031
chr3	36763928	36763928	+	4.216E-25	1.6332E-23	0.353883	hyper	sig	chr3_36763928
chr2	1.82E+08	181683557	+	4.224E-25	1.63617E-23	0.277019	hyper	sig	chr2_181683557
chr4	1.77E+08	176792191	+	4.23E-25	1.6384E-23	0.250734	hyper	sig	chr4_176792191
chr7	50450873	50450873	+	4.234E-25	1.64016E-23	0.293095	hyper	sig	chr7_50450873
chr16	88133330	88133330	+	4.238E-25	1.64128E-23	-0.25181	hypo	sig	chr16_88133330
chr15	52788754	52788754	+	4.25E-25	1.64621E-23	0.298146	hyper	sig	chr15_52788754
chr12	1.27E+08	127146254	+	4.262E-25	1.65043E-23	0.304894	hyper	sig	chr12_127146254
chr5	3594219	3594219	+	4.275E-25	1.65539E-23	0.237384	hyper	sig	chr5_3594219
chr9	68307891	68307891	+	4.281E-25	1.65776E-23	0.221611	hyper	sig	chr9_68307891
chr1	20724096	20724096	+	4.296E-25	1.66363E-23	-0.24229	hypo	sig	chr1_20724096
chr17	63968180	63968180	+	4.303E-25	1.66625E-23	-0.23588	hypo	sig	chr17_63968180
chr19	1428934	1428934	+	4.308E-25	1.66801E-23	-0.24141	hypo	sig	chr19_1428934
chr15	88769827	88769827	+	4.315E-25	1.67033E-23	0.216074	hyper	sig	chr15_88769827
chr12	1.17E+08	117033310	+	4.322E-25	1.673E-23	0.200384	hyper	sig	chr12_117033310
chr16	843259	843259	+	4.325E-25	1.67404E-23	-0.22994	hypo	sig	chr16_843259
chr3	1.25E+08	125141842	+	4.327E-25	1.67457E-23	0.358757	hyper	sig	chr3_125141842
chr11	68411493	68411493	+	4.332E-25	1.67669E-23	-0.24789	hypo	sig	chr11_68411493
chr15	79090790	79090790	+	4.338E-25	1.67888E-23	0.345577	hyper	sig	chr15_79090790
chr8	40897646	40897646	+	4.345E-25	1.6813E-23	0.233455	hyper	sig	chr8_40897646
chr22	19149331	19149331	+	4.348E-25	1.68235E-23	0.265532	hyper	sig	chr22_19149331
chr5	3116678	3116678	+	4.35E-25	1.68313E-23	0.221363	hyper	sig	chr5_3116678
chr2	2.32E+08	231927083	+	4.357E-25	1.68564E-23	0.258032	hyper	sig	chr2_231927083
chr9	1.36E+08	136252671	+	4.359E-25	1.68645E-23	-0.26591	hypo	sig	chr9_136252671
chr12	33438430	33438430	+	4.362E-25	1.68756E-23	0.252175	hyper	sig	chr12_33438430
chr3	10816005	10816005	+	4.368E-25	1.68976E-23	0.310708	hyper	sig	chr3_10816005
chr19	36973299	36973299	+	4.369E-25	1.69014E-23	0.286923	hyper	sig	chr19_36973299
chr15	34047599	34047599	+	4.373E-25	1.69123E-23	-0.26433	hypo	sig	chr15_34047599
chr7	5237589	5237589	+	4.384E-25	1.69558E-23	-0.23086	hypo	sig	chr7_5237589
chr20	25082118	25082118	+	4.389E-25	1.69744E-23	0.224369	hyper	sig	chr20_25082118
chr2	1.76E+08	176118814	+	4.403E-25	1.70271E-23	-0.27282	hypo	sig	chr2_176118814
chr2	1.19E+08	119156977	+	4.406E-25	1.70363E-23	0.217996	hyper	sig	chr2_119156977
chr17	79185633	79185633	+	4.407E-25	1.70402E-23	-0.22427	hypo	sig	chr17_79185633
chr9	1.36E+08	136199997	+	4.414E-25	1.70664E-23	0.220147	hyper	sig	chr9_136199997

chr8	54454372	54454372	+	4.422E-25	1.70967E-23	0.305392	hyper	sig	chr8_54454372
chr8	53877028	53877028	+	4.424E-25	1.71022E-23	0.408955	hyper	sig	chr8_53877028
chr7	1.55E+08	155454528	+	4.424E-25	1.7103E-23	0.218741	hyper	sig	chr7_155454528
chr3	96815184	96815184	+	4.429E-25	1.71207E-23	0.214931	hyper	sig	chr3_96815184
chr16	1436063	1436063	+	4.437E-25	1.71508E-23	-0.22688	hypo	sig	chr16_1436063
chr14	41609709	41609709	+	4.438E-25	1.71519E-23	0.306476	hyper	sig	chr14_41609709
chr12	1.32E+08	132452104	+	4.439E-25	1.71556E-23	-0.24931	hypo	sig	chr12_132452104
chr17	79212129	79212129	+	4.441E-25	1.71642E-23	-0.24826	hypo	sig	chr17_79212129
chr4	95547942	95547942	+	4.442E-25	1.71661E-23	0.269058	hyper	sig	chr4_95547942
chr7	35254767	35254767	+	4.445E-25	1.7177E-23	0.328676	hyper	sig	chr7_35254767
chr13	1.12E+08	112053461	+	4.449E-25	1.7193E-23	0.238251	hyper	sig	chr13_112053461
chr1	1.21E+08	121118272	+	4.465E-25	1.72522E-23	0.259145	hyper	sig	chr1_121118272
chr13	20137525	20137525	+	4.468E-25	1.72618E-23	-0.30928	hypo	sig	chr13_20137525
chr5	1876197	1876197	+	4.471E-25	1.72744E-23	0.226396	hyper	sig	chr5_1876197
chr6	98843452	98843452	+	4.473E-25	1.72822E-23	0.229415	hyper	sig	chr6_98843452
chr22	42947014	42947014	+	4.481E-25	1.73098E-23	-0.22507	hypo	sig	chr22_42947014
chr4	1.74E+08	173518761	+	4.484E-25	1.73205E-23	0.320946	hyper	sig	chr4_173518761
chr5	1.41E+08	141383124	+	4.493E-25	1.73565E-23	0.201233	hyper	sig	chr5_141383124
chr15	24773095	24773095	+	4.498E-25	1.7373E-23	0.231579	hyper	sig	chr15_24773095
chr4	13529452	13529452	+	4.509E-25	1.74138E-23	0.23149	hyper	sig	chr4_13529452
chr19	12195488	12195488	+	4.524E-25	1.74729E-23	0.282797	hyper	sig	chr19_12195488
chr1	2E+08	200040390	+	4.527E-25	1.74811E-23	0.215764	hyper	sig	chr1_200040390
chr1	50417341	50417341	+	4.529E-25	1.74865E-23	0.259705	hyper	sig	chr1_50417341
chr9	92807317	92807317	+	4.536E-25	1.75143E-23	0.255059	hyper	sig	chr9_92807317
chr4	92305825	92305825	+	4.538E-25	1.75211E-23	0.216118	hyper	sig	chr4_92305825
chr15	77994653	77994653	+	4.545E-25	1.75469E-23	-0.21832	hypo	sig	chr15_77994653
chr8	49911719	49911719	+	4.556E-25	1.75899E-23	0.225748	hyper	sig	chr8_49911719
chr8	23710032	23710032	+	4.561E-25	1.76094E-23	0.262152	hyper	sig	chr8_23710032
chr16	86337836	86337836	+	4.565E-25	1.76207E-23	-0.21298	hypo	sig	chr16_86337836
chr21	29298162	29298162	+	4.57E-25	1.76399E-23	-0.26756	hypo	sig	chr21_29298162
chr5	1.46E+08	146342921	+	4.583E-25	1.76897E-23	0.242023	hyper	sig	chr5_146342921
chr13	53201849	53201849	+	4.584E-25	1.76918E-23	0.287903	hyper	sig	chr13_53201849
chr19	58009785	58009785	+	4.584E-25	1.76922E-23	0.214095	hyper	sig	chr19_58009785
chr7	1E+08	100177917	+	4.587E-25	1.77042E-23	0.273087	hyper	sig	chr7_100177917
chr19	42006671	42006671	+	4.607E-25	1.77761E-23	-0.26583	hypo	sig	chr19_42006671
chr12	54029687	54029687	+	4.607E-25	1.77778E-23	0.218175	hyper	sig	chr12_54029687
chr20	63007222	63007222	+	4.608E-25	1.77786E-23	0.295048	hyper	sig	chr20_63007222
chr8	88326885	88326885	+	4.608E-25	1.77787E-23	0.212782	hyper	sig	chr8_88326885
chr11	1.3E+08	129947822	+	4.618E-25	1.78168E-23	0.266139	hyper	sig	chr11_129947822
chr8	1.45E+08	144699929	+	4.619E-25	1.78194E-23	0.234027	hyper	sig	chr8_144699929
chr5	73298617	73298617	+	4.621E-25	1.78285E-23	0.310503	hyper	sig	chr5_73298617
chr9	93953894	93953894	+	4.626E-25	1.78451E-23	0.307071	hyper	sig	chr9_93953894
chr1	75130257	75130257	+	4.626E-25	1.78454E-23	0.278081	hyper	sig	chr1_75130257
chr22	49171088	49171088	+	4.628E-25	1.78509E-23	-0.29161	hypo	sig	chr22_49171088
chr12	1.31E+08	131042719	+	4.63E-25	1.78582E-23	-0.20567	hypo	sig	chr12_131042719
chr2	26705384	26705384	+	4.639E-25	1.78906E-23	-0.2275	hypo	sig	chr2_26705384
chr2	5691104	5691104	+	4.655E-25	1.79515E-23	0.240924	hyper	sig	chr2_5691104
chr11	31804924	31804924	+	4.659E-25	1.79645E-23	0.266188	hyper	sig	chr11_31804924
chr17	82342738	82342738	+	4.664E-25	1.79849E-23	-0.24614	hypo	sig	chr17_82342738
chr13	1.12E+08	112038044	+	4.665E-25	1.7988E-23	-0.22448	hypo	sig	chr13_112038044
chr20	23049567	23049567	+	4.667E-25	1.79951E-23	0.224749	hyper	sig	chr20_23049567
chr6	84767190	84767190	+	4.67E-25	1.8004E-23	0.268981	hyper	sig	chr6_84767190
chr19	4555936	4555936	+	4.679E-25	1.80388E-23	-0.33275	hypo	sig	chr19_4555936
chr14	60486227	60486227	+	4.698E-25	1.81121E-23	0.32757	hyper	sig	chr14_60486227
chr7	1.02E+08	102119218	+	4.709E-25	1.81507E-23	-0.36352	hypo	sig	chr7_102119218
chr10	81875640	81875640	+	4.709E-25	1.81524E-23	0.21198	hyper	sig	chr10_81875640

chr10	23200936	23200936	+	4.716E-25	1.81782E-23	0.266772	hyper	sig	chr10_23200936
chr5	1.35E+08	135029097	+	4.731E-25	1.82334E-23	0.28933	hyper	sig	chr5_135029097
chr1	3404235	3404235	+	4.743E-25	1.82787E-23	0.222082	hyper	sig	chr1_3404235
chr19	4566538	4566538	+	4.743E-25	1.82787E-23	-0.29873	hypo	sig	chr19_4566538
chr7	56448025	56448025	+	4.752E-25	1.83102E-23	0.223358	hyper	sig	chr7_56448025
chr4	54232166	54232166	+	4.754E-25	1.83191E-23	0.27334	hyper	sig	chr4_54232166
chr1	2206189	2206189	+	4.758E-25	1.83331E-23	-0.3062	hypo	sig	chr1_2206189
chr11	865931	865931	+	4.758E-25	1.83331E-23	-0.25065	hypo	sig	chr11_865931
chr2	10548191	10548191	+	4.772E-25	1.83857E-23	-0.20436	hypo	sig	chr2_10548191
chr8	64378971	64378971	+	4.779E-25	1.84136E-23	0.294694	hyper	sig	chr8_64378971
chr1	1.77E+08	177171482	+	4.782E-25	1.84223E-23	0.247372	hyper	sig	chr1_177171482
chr8	11853345	11853345	+	4.796E-25	1.84728E-23	-0.37853	hypo	sig	chr8_11853345
chr1	1.11E+08	110674864	+	4.802E-25	1.84977E-23	0.40822	hyper	sig	chr1_110674864
chr17	76000328	76000328	+	4.811E-25	1.85299E-23	-0.23959	hypo	sig	chr17_76000328
chr18	10589025	10589025	+	4.823E-25	1.85768E-23	-0.26148	hypo	sig	chr18_10589025
chr8	1.43E+08	143131513	+	4.826E-25	1.8588E-23	-0.20426	hypo	sig	chr8_143131513
chr16	55656717	55656717	+	4.833E-25	1.86137E-23	0.275275	hyper	sig	chr16_55656717
chr10	81875607	81875607	+	4.84E-25	1.8638E-23	0.204324	hyper	sig	chr10_81875607
chr4	1.55E+08	155209046	+	4.847E-25	1.86653E-23	0.284313	hyper	sig	chr4_155209046
chr6	27495471	27495471	+	4.847E-25	1.86653E-23	0.236623	hyper	sig	chr6_27495471
chr1	75130332	75130332	+	4.849E-25	1.86719E-23	0.244529	hyper	sig	chr1_75130332
chr6	1.63E+08	163096575	+	4.85E-25	1.8675E-23	-0.25293	hypo	sig	chr6_163096575
chr1	1.19E+08	118989375	+	4.861E-25	1.87169E-23	0.282285	hyper	sig	chr1_118989375
chr1	18632354	18632354	+	4.863E-25	1.87219E-23	0.245997	hyper	sig	chr1_18632354
chr4	1309886	1309886	+	4.864E-25	1.87233E-23	0.210768	hyper	sig	chr4_1309886
chr1	2.21E+08	220881228	+	4.877E-25	1.8772E-23	0.238431	hyper	sig	chr1_220881228
chr2	1.32E+08	131829994	+	4.913E-25	1.89104E-23	0.278838	hyper	sig	chr2_131829994
chr12	1.15E+08	114696789	+	4.934E-25	1.89905E-23	0.244648	hyper	sig	chr12_114696789
chr5	1.41E+08	141402980	+	4.937E-25	1.90018E-23	0.245986	hyper	sig	chr5_141402980
chr2	2.06E+08	206274473	+	4.941E-25	1.90159E-23	0.209227	hyper	sig	chr2_206274473
chr18	501169	501169	+	4.943E-25	1.90191E-23	0.206824	hyper	sig	chr18_501169
chr19	49433064	49433064	+	4.943E-25	1.90195E-23	0.296688	hyper	sig	chr19_49433064
chr12	1.32E+08	132187079	+	4.949E-25	1.90414E-23	-0.25763	hypo	sig	chr12_132187079
chr8	1.42E+08	142335319	+	4.953E-25	1.90552E-23	-0.27864	hypo	sig	chr8_142335319
chr9	1.35E+08	134781205	+	4.957E-25	1.90713E-23	-0.27757	hypo	sig	chr9_134781205
chr15	25241298	25241298	+	4.978E-25	1.91507E-23	-0.24877	hypo	sig	chr15_25241298
chr8	64378730	64378730	+	4.999E-25	1.92299E-23	0.207941	hyper	sig	chr8_64378730
chr19	18944889	18944889	+	5.001E-25	1.92345E-23	-0.2802	hypo	sig	chr19_18944889
chr17	52159405	52159405	+	5.02E-25	1.9307E-23	0.255164	hyper	sig	chr17_52159405
chr7	2607326	2607326	+	5.041E-25	1.93843E-23	-0.23104	hypo	sig	chr7_2607326
chr1	90725055	90725055	+	5.048E-25	1.94116E-23	0.265991	hyper	sig	chr1_90725055
chr5	1.78E+08	178281552	+	5.048E-25	1.94116E-23	-0.24268	hypo	sig	chr5_178281552
chr1	1.19E+08	118983469	+	5.074E-25	1.95106E-23	0.30099	hyper	sig	chr1_118983469
chr2	2.08E+08	208407135	+	5.092E-25	1.9576E-23	0.219726	hyper	sig	chr2_208407135
chr3	1.47E+08	147396582	+	5.102E-25	1.96132E-23	0.213721	hyper	sig	chr3_147396582
chr8	71558465	71558465	+	5.104E-25	1.96226E-23	0.309123	hyper	sig	chr8_71558465
chr19	524299	524299	+	5.109E-25	1.96407E-23	-0.2745	hypo	sig	chr19_524299
chr5	1.77E+08	176619961	+	5.113E-25	1.96547E-23	0.276442	hyper	sig	chr5_176619961
chr14	94773085	94773085	+	5.114E-25	1.96579E-23	0.212617	hyper	sig	chr14_94773085
chr6	1E+08	100463851	+	5.131E-25	1.97204E-23	0.225036	hyper	sig	chr6_100463851
chr5	2749664	2749664	+	5.133E-25	1.97288E-23	0.278353	hyper	sig	chr5_2749664
chr1	1.47E+08	147072645	+	5.137E-25	1.97428E-23	0.238027	hyper	sig	chr1_147072645
chr17	65538301	65538301	+	5.143E-25	1.97668E-23	-0.32502	hypo	sig	chr17_65538301
chr18	59265068	59265068	+	5.153E-25	1.98022E-23	0.297999	hyper	sig	chr18_59265068
chr1	3094354	3094354	+	5.174E-25	1.98829E-23	-0.20484	hypo	sig	chr1_3094354
chr7	97022549	97022549	+	5.179E-25	1.99015E-23	0.279613	hyper	sig	chr7_97022549

chr11	66421216	66421216	+	5.185E-25	1.99194E-23	0.323011	hyper	sig	chr11_66421216
chr5	1.46E+08	146340341	+	5.185E-25	1.99194E-23	0.264045	hyper	sig	chr5_146340341
chr5	1.76E+08	176415248	+	5.185E-25	1.99194E-23	-0.25612	hypo	sig	chr5_176415248
chr3	1.38E+08	137769723	+	5.192E-25	1.99448E-23	0.201086	hyper	sig	chr3_137769723
chr2	1.19E+08	118770834	+	5.195E-25	1.99566E-23	-0.33492	hypo	sig	chr2_118770834
chr18	47262514	47262514	+	5.197E-25	1.99632E-23	0.28338	hyper	sig	chr18_47262514
chr11	17720932	17720932	+	5.201E-25	1.99762E-23	0.32188	hyper	sig	chr11_17720932
chr6	50707845	50707845	+	5.211E-25	2.00152E-23	0.239123	hyper	sig	chr6_50707845
chr17	21378052	21378052	+	5.214E-25	2.00231E-23	0.206015	hyper	sig	chr17_21378052
chr3	1.38E+08	137769726	+	5.218E-25	2.00406E-23	0.208207	hyper	sig	chr3_137769726
chr19	16283827	16283827	+	5.219E-25	2.00426E-23	0.264061	hyper	sig	chr19_16283827
chr6	1.33E+08	133242705	+	5.226E-25	2.00695E-23	0.259879	hyper	sig	chr6_133242705
chr19	58043174	58043174	+	5.227E-25	2.00697E-23	0.266409	hyper	sig	chr19_58043174
chr19	55452704	55452704	+	5.228E-25	2.0075E-23	0.362997	hyper	sig	chr19_55452704
chr14	94771330	94771330	+	5.255E-25	2.01761E-23	0.275161	hyper	sig	chr14_94771330
chr7	986544	986544	+	5.257E-25	2.01825E-23	-0.23479	hypo	sig	chr7_986544
chr4	1.74E+08	173524192	+	5.274E-25	2.02471E-23	0.235404	hyper	sig	chr4_173524192
chr19	52536220	52536220	+	5.281E-25	2.02708E-23	0.252319	hyper	sig	chr19_52536220
chr6	50851168	50851168	+	5.288E-25	2.02979E-23	0.228503	hyper	sig	chr6_50851168
chr11	2162222	2162222	+	5.29E-25	2.03065E-23	-0.30693	hypo	sig	chr11_2162222
chr13	27927813	27927813	+	5.293E-25	2.0316E-23	0.332241	hyper	sig	chr13_27927813
chr1	1.21E+08	121006960	+	5.307E-25	2.03687E-23	0.206163	hyper	sig	chr1_121006960
chr19	58350688	58350688	+	5.308E-25	2.037E-23	0.253842	hyper	sig	chr19_58350688
chr2	3286335	3286335	+	5.317E-25	2.04039E-23	-0.23246	hypo	sig	chr2_3286335
chr1	1287515	1287515	+	5.322E-25	2.04235E-23	-0.23659	hypo	sig	chr1_1287515
chr9	1.37E+08	137174395	+	5.329E-25	2.04477E-23	-0.2577	hypo	sig	chr9_137174395
chr1	20343348	20343348	+	5.341E-25	2.04935E-23	0.252	hyper	sig	chr1_20343348
chr13	1.08E+08	108496782	+	5.341E-25	2.04935E-23	0.251327	hyper	sig	chr13_108496782
chr17	48722496	48722496	+	5.348E-25	2.05182E-23	0.22214	hyper	sig	chr17_48722496
chr16	55330917	55330917	+	5.351E-25	2.05306E-23	0.308739	hyper	sig	chr16_55330917
chr8	1.44E+08	144046957	+	5.356E-25	2.0548E-23	-0.24994	hypo	sig	chr8_144046957
chr10	1.19E+08	119114150	+	5.364E-25	2.05764E-23	-0.31667	hypo	sig	chr10_119114150
chr4	1.74E+08	173501291	+	5.381E-25	2.0642E-23	0.262772	hyper	sig	chr4_173501291
chr3	1.47E+08	147407927	+	5.398E-25	2.07064E-23	0.258653	hyper	sig	chr3_147407927
chr11	1.11E+08	111300553	+	5.407E-25	2.07379E-23	-0.2978	hypo	sig	chr11_111300553
chr8	56446198	56446198	+	5.408E-25	2.07408E-23	0.330827	hyper	sig	chr8_56446198
chr20	23049637	23049637	+	5.41E-25	2.07487E-23	0.224722	hyper	sig	chr20_23049637
chr21	18245787	18245787	+	5.414E-25	2.07634E-23	0.241932	hyper	sig	chr21_18245787
chr7	97022016	97022016	+	5.437E-25	2.08496E-23	0.299855	hyper	sig	chr7_97022016
chr13	52848205	52848205	+	5.443E-25	2.08716E-23	0.260405	hyper	sig	chr13_52848205
chr17	36726345	36726345	+	5.459E-25	2.09312E-23	-0.32572	hypo	sig	chr17_36726345
chr3	36764718	36764718	+	5.483E-25	2.10225E-23	0.326553	hyper	sig	chr3_36764718
chr1	1.98E+08	197921329	+	5.485E-25	2.10282E-23	0.239324	hyper	sig	chr1_197921329
chr14	26598525	26598525	+	5.485E-25	2.10285E-23	0.208432	hyper	sig	chr14_26598525
chr1	12170510	12170510	+	5.492E-25	2.10532E-23	-0.24976	hypo	sig	chr1_12170510
chr17	38578592	38578592	+	5.496E-25	2.10666E-23	0.218757	hyper	sig	chr17_38578592
chr17	76946726	76946726	+	5.498E-25	2.1074E-23	-0.27168	hypo	sig	chr17_76946726
chr19	3821205	3821205	+	5.508E-25	2.11104E-23	-0.37934	hypo	sig	chr19_3821205
chr17	74671057	74671057	+	5.51E-25	2.11175E-23	0.284268	hyper	sig	chr17_74671057
chr17	50571858	50571858	+	5.511E-25	2.11228E-23	-0.24838	hypo	sig	chr17_50571858
chr14	93347157	93347157	+	5.525E-25	2.11745E-23	-0.33455	hypo	sig	chr14_93347157
chr19	41933146	41933146	+	5.545E-25	2.12489E-23	-0.27552	hypo	sig	chr19_41933146
chr16	67161706	67161706	+	5.549E-25	2.12637E-23	-0.2572	hypo	sig	chr16_67161706
chr2	5691106	5691106	+	5.551E-25	2.12712E-23	0.246776	hyper	sig	chr2_5691106
chr11	1.32E+08	131910513	+	5.558E-25	2.12965E-23	0.270727	hyper	sig	chr11_131910513
chr20	45097951	45097951	+	5.567E-25	2.13282E-23	0.247393	hyper	sig	chr20_45097951

chr12	85278464	85278464	+	5.576E-25	2.13642E-23	0.242328	hyper	sig	chr12_85278464
chr2	29920832	29920832	+	5.584E-25	2.13925E-23	0.25051	hyper	sig	chr2_29920832
chr2	96527486	96527486	+	5.585E-25	2.13968E-23	0.301238	hyper	sig	chr2_96527486
chr15	75234883	75234883	+	5.592E-25	2.14219E-23	-0.25278	hypo	sig	chr15_75234883
chr7	35259170	35259170	+	5.603E-25	2.14626E-23	0.207805	hyper	sig	chr7_35259170
chr8	76683098	76683098	+	5.61E-25	2.14858E-23	0.261417	hyper	sig	chr8_76683098
chr10	1.01E+08	100659810	+	5.621E-25	2.15296E-23	0.225848	hyper	sig	chr10_100659810
chr20	30891901	30891901	+	5.624E-25	2.15395E-23	0.349006	hyper	sig	chr20_30891901
chr1	90719282	90719282	+	5.634E-25	2.15742E-23	0.262208	hyper	sig	chr1_90719282
chr3	1.47E+08	147424366	+	5.634E-25	2.15742E-23	0.204265	hyper	sig	chr3_147424366
chr10	1.01E+08	101224839	+	5.651E-25	2.16385E-23	0.217356	hyper	sig	chr10_101224839
chr13	1.01E+08	101416801	+	5.658E-25	2.1662E-23	0.261564	hyper	sig	chr13_101416801
chr2	20671271	20671271	+	5.674E-25	2.17235E-23	0.270976	hyper	sig	chr2_20671271
chr2	1.72E+08	172080546	+	5.689E-25	2.17796E-23	0.227693	hyper	sig	chr2_172080546
chr7	4107731	4107731	+	5.694E-25	2.1796E-23	-0.26157	hypo	sig	chr7_4107731
chr4	41867431	41867431	+	5.702E-25	2.18259E-23	0.226038	hyper	sig	chr4_41867431
chr19	7880075	7880075	+	5.702E-25	2.18266E-23	-0.35466	hypo	sig	chr19_7880075
chr17	30559044	30559044	+	5.709E-25	2.18498E-23	-0.2365	hypo	sig	chr17_30559044
chr2	1E+08	100397636	+	5.711E-25	2.18562E-23	-0.34884	hypo	sig	chr2_100397636
chr20	9509102	9509102	+	5.715E-25	2.18708E-23	0.249987	hyper	sig	chr20_9509102
chr19	11359568	11359568	+	5.716E-25	2.18728E-23	-0.30931	hypo	sig	chr19_11359568
chr1	33307135	33307135	+	5.728E-25	2.19188E-23	0.264412	hyper	sig	chr1_33307135
chr5	42994021	42994021	+	5.739E-25	2.19579E-23	0.275512	hyper	sig	chr5_42994021
chr6	1.7E+08	170423189	+	5.742E-25	2.19669E-23	0.212105	hyper	sig	chr6_170423189
chr13	1.1E+08	109781235	+	5.749E-25	2.19931E-23	-0.24217	hypo	sig	chr13_109781235
chr10	99530580	99530580	+	5.753E-25	2.20063E-23	0.240575	hyper	sig	chr10_99530580
chr5	3592410	3592410	+	5.791E-25	2.21502E-23	0.218412	hyper	sig	chr5_3592410
chr13	78607409	78607409	+	5.801E-25	2.21879E-23	0.325903	hyper	sig	chr13_78607409
chr3	1.47E+08	147397318	+	5.85E-25	2.23719E-23	0.263853	hyper	sig	chr3_147397318
chr5	1.46E+08	146338910	+	5.85E-25	2.23719E-23	0.20841	hyper	sig	chr5_146338910
chr7	1520745	1520745	+	5.85E-25	2.23726E-23	-0.27162	hypo	sig	chr7_1520745
chr1	2.49E+08	248693250	+	5.875E-25	2.24664E-23	-0.25657	hypo	sig	chr1_248693250
chr11	92225983	92225983	+	5.877E-25	2.24701E-23	0.310789	hyper	sig	chr11_92225983
chr7	118890	118890	+	5.883E-25	2.24945E-23	-0.24306	hypo	sig	chr7_118890
chr6	28810540	28810540	+	5.907E-25	2.25849E-23	0.238106	hyper	sig	chr6_28810540
chr12	1.32E+08	132287235	+	5.911E-25	2.25996E-23	-0.22559	hypo	sig	chr12_132287235
chr19	58356849	58356849	+	5.916E-25	2.26174E-23	0.275078	hyper	sig	chr19_58356849
chr6	27275209	27275209	+	5.921E-25	2.26344E-23	0.230227	hyper	sig	chr6_27275209
chr1	20473343	20473343	+	5.923E-25	2.26411E-23	0.247507	hyper	sig	chr1_20473343
chr20	64058865	64058865	+	5.927E-25	2.26544E-23	-0.32135	hypo	sig	chr20_64058865
chr19	41933119	41933119	+	5.958E-25	2.27697E-23	-0.30983	hypo	sig	chr19_41933119
chr3	62369472	62369472	+	5.986E-25	2.28763E-23	0.259766	hyper	sig	chr3_62369472
chr3	1.43E+08	142964405	+	5.992E-25	2.28998E-23	0.333537	hyper	sig	chr3_142964405
chr10	96370112	96370112	+	5.998E-25	2.29188E-23	-0.25422	hypo	sig	chr10_96370112
chr2	1.13E+08	113291268	+	6.01E-25	2.29661E-23	0.257911	hyper	sig	chr2_113291268
chr10	1.22E+08	122487654	+	6.027E-25	2.3027E-23	-0.24766	hypo	sig	chr10_122487654
chr11	1926429	1926429	+	6.028E-25	2.303E-23	-0.24983	hypo	sig	chr11_1926429
chr3	1.29E+08	128576127	+	6.035E-25	2.30556E-23	-0.24779	hypo	sig	chr3_128576127
chr6	10883601	10883601	+	6.039E-25	2.30701E-23	0.32413	hyper	sig	chr6_10883601
chr12	1.15E+08	114687033	+	6.045E-25	2.30918E-23	0.219393	hyper	sig	chr12_114687033
chr8	1.4E+08	140238563	+	6.049E-25	2.31064E-23	-0.24336	hypo	sig	chr8_140238563
chr2	40452423	40452423	+	6.086E-25	2.32463E-23	0.244512	hyper	sig	chr2_40452423
chr1	63320390	63320390	+	6.096E-25	2.32832E-23	0.210479	hyper	sig	chr1_63320390
chr19	53520661	53520661	+	6.102E-25	2.33077E-23	0.205975	hyper	sig	chr19_53520661
chr11	44311288	44311288	+	6.129E-25	2.34055E-23	0.215299	hyper	sig	chr11_44311288
chr11	17722093	17722093	+	6.149E-25	2.34814E-23	0.24566	hyper	sig	chr11_17722093

chr12	1.14E+08	114400781	+	6.151E-25	2.34862E-23	0.2739	hyper	sig	chr12_114400781
chr19	4891240	4891240	+	6.164E-25	2.35361E-23	-0.22253	hypo	sig	chr19_4891240
chr5	1.81E+08	181100541	+	6.165E-25	2.35393E-23	0.205802	hyper	sig	chr5_181100541
chr3	27723975	27723975	+	6.167E-25	2.35472E-23	0.265358	hyper	sig	chr3_27723975
chr5	1.46E+08	146338926	+	6.197E-25	2.36598E-23	0.216329	hyper	sig	chr5_146338926
chr12	4909063	4909063	+	6.232E-25	2.37913E-23	0.239321	hyper	sig	chr12_4909063
chr4	1.09E+08	109302213	+	6.238E-25	2.38115E-23	0.283061	hyper	sig	chr4_109302213
chr6	1625344	1625344	+	6.238E-25	2.38119E-23	0.245727	hyper	sig	chr6_1625344
chr16	66579186	66579186	+	6.245E-25	2.38351E-23	0.217232	hyper	sig	chr16_66579186
chr18	57441807	57441807	+	6.247E-25	2.38412E-23	0.271379	hyper	sig	chr18_57441807
chr14	74240279	74240279	+	6.253E-25	2.38642E-23	0.232184	hyper	sig	chr14_74240279
chr17	52157951	52157951	+	6.261E-25	2.38945E-23	0.27222	hyper	sig	chr17_52157951
chr15	37098083	37098083	+	6.262E-25	2.38946E-23	0.302996	hyper	sig	chr15_37098083
chr19	42006668	42006668	+	6.282E-25	2.39714E-23	-0.25992	hypo	sig	chr19_42006668
chr15	82646268	82646268	+	6.284E-25	2.39773E-23	0.362366	hyper	sig	chr15_82646268
chr5	1.41E+08	141423165	+	6.287E-25	2.39875E-23	0.238092	hyper	sig	chr5_141423165
chr7	35254851	35254851	+	6.335E-25	2.41692E-23	0.300657	hyper	sig	chr7_35254851
chr3	68931432	68931432	+	6.336E-25	2.41714E-23	0.249497	hyper	sig	chr3_68931432
chr15	25863574	25863574	+	6.354E-25	2.42384E-23	0.272892	hyper	sig	chr15_25863574
chr2	74648353	74648353	+	6.356E-25	2.42466E-23	0.308722	hyper	sig	chr2_74648353
chr20	40690704	40690704	+	6.364E-25	2.42742E-23	0.253789	hyper	sig	chr20_40690704
chr4	1.54E+08	154490458	+	6.367E-25	2.42838E-23	0.340412	hyper	sig	chr4_154490458
chr17	6655629	6655629	+	6.378E-25	2.43274E-23	0.255276	hyper	sig	chr17_6655629
chr13	24746667	24746667	+	6.384E-25	2.43476E-23	0.292806	hyper	sig	chr13_24746667
chr5	71719696	71719696	+	6.4E-25	2.44078E-23	0.287087	hyper	sig	chr5_71719696
chr5	1.41E+08	141408921	+	6.412E-25	2.44511E-23	0.271235	hyper	sig	chr5_141408921
chr16	1011939	1011939	+	6.415E-25	2.44633E-23	-0.22426	hypo	sig	chr16_1011939
chr4	386132	386132	+	6.423E-25	2.44924E-23	0.298699	hyper	sig	chr4_386132
chr4	10461721	10461721	+	6.427E-25	2.45065E-23	0.266935	hyper	sig	chr4_10461721
chr11	20160766	20160766	+	6.436E-25	2.45392E-23	0.293351	hyper	sig	chr11_20160766
chr2	5691116	5691116	+	6.44E-25	2.45527E-23	0.243497	hyper	sig	chr2_5691116
chr7	1.46E+08	146115754	+	6.44E-25	2.45527E-23	0.363145	hyper	sig	chr7_146115754
chr12	1.11E+08	111035889	+	6.443E-25	2.45621E-23	0.212529	hyper	sig	chr12_111035889
chr6	1.01E+08	101398740	+	6.469E-25	2.46574E-23	0.257236	hyper	sig	chr6_101398740
chr15	45704511	45704511	+	6.479E-25	2.46963E-23	0.254865	hyper	sig	chr15_45704511
chr19	53255273	53255273	+	6.482E-25	2.47072E-23	0.33669	hyper	sig	chr19_53255273
chr8	8891262	8891262	+	6.486E-25	2.47186E-23	0.227719	hyper	sig	chr8_8891262
chr20	37519216	37519216	+	6.499E-25	2.47679E-23	-0.26131	hypo	sig	chr20_37519216
chr20	21509531	21509531	+	6.5E-25	2.4769E-23	0.300747	hyper	sig	chr20_21509531
chr6	99602936	99602936	+	6.504E-25	2.4786E-23	0.206911	hyper	sig	chr6_99602936
chr5	539343	539343	+	6.507E-25	2.47958E-23	-0.25833	hypo	sig	chr5_539343
chr17	52160020	52160020	+	6.522E-25	2.48507E-23	0.214294	hyper	sig	chr17_52160020
chr12	6075339	6075339	+	6.53E-25	2.48787E-23	-0.28734	hypo	sig	chr12_6075339
chr1	7782300	7782300	+	6.541E-25	2.49201E-23	-0.24713	hypo	sig	chr1_7782300
chr15	88256113	88256113	+	6.544E-25	2.49308E-23	0.209842	hyper	sig	chr15_88256113
chr7	2572247	2572247	+	6.549E-25	2.49472E-23	-0.26748	hypo	sig	chr7_2572247
chr16	555274	555274	+	6.557E-25	2.49742E-23	-0.24101	hypo	sig	chr16_555274
chr1	2.07E+08	207495989	+	6.618E-25	2.52061E-23	0.275743	hyper	sig	chr1_207495989
chr1	1.6E+08	159929942	+	6.641E-25	2.52901E-23	-0.22318	hypo	sig	chr1_159929942
chr5	1.41E+08	140828559	+	6.656E-25	2.53475E-23	0.220424	hyper	sig	chr5_140828559
chr19	592137	592137	+	6.672E-25	2.54051E-23	-0.25072	hypo	sig	chr19_592137
chr8	23705621	23705621	+	6.672E-25	2.54051E-23	0.292199	hyper	sig	chr8_23705621
chr7	23246920	23246920	+	6.679E-25	2.54317E-23	-0.25555	hypo	sig	chr7_23246920
chr18	52342031	52342031	+	6.69E-25	2.54726E-23	0.211884	hyper	sig	chr18_52342031
chr15	24773050	24773050	+	6.701E-25	2.55117E-23	0.265671	hyper	sig	chr15_24773050
chr4	1.63E+08	162984879	+	6.702E-25	2.55148E-23	-0.21889	hypo	sig	chr4_162984879

chr10	1.32E+08	132226883	+	6.718E-25	2.5576E-23	-0.20598	hypo	sig	chr10_132226883
chr7	30136552	30136552	+	6.719E-25	2.5576E-23	0.272647	hyper	sig	chr7_30136552
chr11	94401514	94401514	+	6.727E-25	2.56072E-23	0.266509	hyper	sig	chr11_94401514
chr6	99994166	99994166	+	6.728E-25	2.5608E-23	0.232448	hyper	sig	chr6_99994166
chr12	1.32E+08	132426433	+	6.751E-25	2.56942E-23	-0.27013	hypo	sig	chr12_132426433
chr12	4910281	4910281	+	6.776E-25	2.57895E-23	0.210453	hyper	sig	chr12_4910281
chr3	1.47E+08	147408124	+	6.79E-25	2.58427E-23	0.242675	hyper	sig	chr3_147408124
chr16	66604417	66604417	+	6.803E-25	2.58887E-23	0.232534	hyper	sig	chr16_66604417
chr16	84302777	84302777	+	6.803E-25	2.58887E-23	-0.21865	hypo	sig	chr16_84302777
chr14	99246049	99246049	+	6.809E-25	2.59096E-23	0.270156	hyper	sig	chr14_99246049
chr1	1.21E+08	121118019	+	6.812E-25	2.59205E-23	0.239636	hyper	sig	chr1_121118019
chr12	48198728	48198728	+	6.822E-25	2.59581E-23	0.234789	hyper	sig	chr12_48198728
chr12	1.31E+08	131125293	+	6.837E-25	2.60132E-23	-0.23954	hypo	sig	chr12_131125293
chr8	544202	544202	+	6.877E-25	2.61615E-23	0.203548	hyper	sig	chr8_544202
chr12	6142273	6142273	+	6.877E-25	2.61624E-23	-0.31652	hypo	sig	chr12_6142273
chr6	1.37E+08	137495836	+	6.878E-25	2.61624E-23	0.308162	hyper	sig	chr6_137495836
chr13	43968969	43968969	+	6.889E-25	2.62035E-23	0.234485	hyper	sig	chr13_43968969
chr10	1.32E+08	132138269	+	6.899E-25	2.62435E-23	-0.23911	hypo	sig	chr10_132138269
chr12	1795336	1795336	+	6.905E-25	2.62651E-23	-0.26731	hypo	sig	chr12_1795336
chr8	64798740	64798740	+	6.91E-25	2.62815E-23	0.221765	hyper	sig	chr8_64798740
chr4	1.74E+08	173519500	+	6.92E-25	2.63166E-23	0.246812	hyper	sig	chr4_173519500
chr4	1.11E+08	110626962	+	6.924E-25	2.63311E-23	0.228296	hyper	sig	chr4_110626962
chr10	69573281	69573281	+	6.933E-25	2.63637E-23	0.267678	hyper	sig	chr10_69573281
chr7	35259168	35259168	+	6.939E-25	2.63852E-23	0.215052	hyper	sig	chr7_35259168
chr5	1.41E+08	141403685	+	6.941E-25	2.63936E-23	0.246943	hyper	sig	chr5_141403685
chr1	84619654	84619654	+	6.945E-25	2.64054E-23	-0.32916	hypo	sig	chr1_84619654
chr20	51003925	51003925	+	6.953E-25	2.64356E-23	-0.27757	hypo	sig	chr20_51003925
chr11	1410582	1410582	+	6.955E-25	2.64407E-23	-0.23043	hypo	sig	chr11_1410582
chr16	54931983	54931983	+	6.956E-25	2.64453E-23	0.294542	hyper	sig	chr16_54931983
chr11	1.16E+08	115711290	+	6.961E-25	2.64601E-23	-0.28011	hypo	sig	chr11_115711290
chr3	1.38E+08	137761861	+	6.965E-25	2.64769E-23	0.276454	hyper	sig	chr3_137761861
chr1	3204455	3204455	+	6.968E-25	2.64873E-23	-0.22599	hypo	sig	chr1_3204455
chr6	31766651	31766651	+	7.004E-25	2.662E-23	0.22309	hyper	sig	chr6_31766651
chr2	1.87E+08	186849328	+	7.016E-25	2.66624E-23	0.217795	hyper	sig	chr2_186849328
chr11	1.29E+08	128757385	+	7.019E-25	2.66714E-23	-0.27641	hypo	sig	chr11_128757385
chr15	77897784	77897784	+	7.021E-25	2.66779E-23	-0.20982	hypo	sig	chr15_77897784
chr3	27729898	27729898	+	7.037E-25	2.67403E-23	0.268131	hyper	sig	chr3_27729898
chr1	1.19E+08	118985567	+	7.049E-25	2.67821E-23	0.271294	hyper	sig	chr1_118985567
chr1	1.57E+08	156860474	+	7.05E-25	2.67861E-23	0.244916	hyper	sig	chr1_156860474
chr20	63047778	63047778	+	7.052E-25	2.67915E-23	-0.21437	hypo	sig	chr20_63047778
chr22	48503532	48503532	+	7.068E-25	2.68486E-23	-0.28154	hypo	sig	chr22_48503532
chr2	2.28E+08	228181737	+	7.075E-25	2.68754E-23	0.288887	hyper	sig	chr2_228181737
chr12	5043937	5043937	+	7.092E-25	2.69395E-23	0.298902	hyper	sig	chr12_5043937
chr3	1.2E+08	119810291	+	7.102E-25	2.69728E-23	0.244589	hyper	sig	chr3_119810291
chr10	27745145	27745145	+	7.103E-25	2.69771E-23	0.301259	hyper	sig	chr10_27745145
chr1	13584310	13584310	+	7.105E-25	2.69819E-23	0.321686	hyper	sig	chr1_13584310
chr3	1.28E+08	128496735	+	7.134E-25	2.70924E-23	0.244523	hyper	sig	chr3_128496735
chr7	64043585	64043585	+	7.139E-25	2.71085E-23	-0.29429	hypo	sig	chr7_64043585
chr1	1.97E+08	196808928	+	7.139E-25	2.71099E-23	-0.30373	hypo	sig	chr1_196808928
chr2	1.75E+08	174730164	+	7.194E-25	2.73154E-23	0.248264	hyper	sig	chr2_174730164
chr14	95884271	95884271	+	7.207E-25	2.73648E-23	-0.29593	hypo	sig	chr14_95884271
chr12	98745702	98745702	+	7.218E-25	2.74018E-23	0.205088	hyper	sig	chr12_98745702
chr1	1.19E+08	119006607	+	7.221E-25	2.74136E-23	0.207175	hyper	sig	chr1_119006607
chr1	2.43E+08	242524110	+	7.247E-25	2.75103E-23	0.234288	hyper	sig	chr1_242524110
chr20	63417516	63417516	+	7.247E-25	2.75103E-23	-0.22729	hypo	sig	chr20_63417516
chr5	1.75E+08	174732680	+	7.261E-25	2.7561E-23	0.267746	hyper	sig	chr5_174732680

chr19	46412338	46412338	+	7.281E-25	2.76318E-23	0.250004	hyper	sig	chr19_46412338
chr19	12770002	12770002	+	7.3E-25	2.77034E-23	0.216065	hyper	sig	chr19_12770002
chr19	57103888	57103888	+	7.332E-25	2.78226E-23	0.357327	hyper	sig	chr19_57103888
chr5	1.77E+08	177116913	+	7.333E-25	2.78249E-23	0.224166	hyper	sig	chr5_177116913
chr6	37705932	37705932	+	7.358E-25	2.79169E-23	0.250018	hyper	sig	chr6_37705932
chr17	80823192	80823192	+	7.372E-25	2.79697E-23	-0.2737	hypo	sig	chr17_80823192
chr17	44915365	44915365	+	7.379E-25	2.79934E-23	-0.27928	hypo	sig	chr17_44915365
chr19	1005408	1005408	+	7.381E-25	2.80011E-23	-0.21369	hypo	sig	chr19_1005408
chr6	1.69E+08	168999597	+	7.397E-25	2.80595E-23	-0.28672	hypo	sig	chr6_168999597
chr7	35257422	35257422	+	7.404E-25	2.80851E-23	0.212493	hyper	sig	chr7_35257422
chr19	57709005	57709005	+	7.405E-25	2.8087E-23	0.292286	hyper	sig	chr19_57709005
chr16	57884809	57884809	+	7.425E-25	2.8162E-23	-0.30662	hypo	sig	chr16_57884809
chr21	45512468	45512468	+	7.427E-25	2.81712E-23	0.266055	hyper	sig	chr21_45512468
chr16	49484227	49484227	+	7.444E-25	2.82318E-23	0.300667	hyper	sig	chr16_49484227
chr8	1.41E+08	141395109	+	7.444E-25	2.82318E-23	-0.24407	hypo	sig	chr8_141395109
chr5	1.73E+08	173244775	+	7.449E-25	2.8247E-23	0.333145	hyper	sig	chr5_173244775
chr6	1625269	1625269	+	7.45E-25	2.82488E-23	0.278033	hyper	sig	chr6_1625269
chr14	26205375	26205375	+	7.456E-25	2.82713E-23	0.24226	hyper	sig	chr14_26205375
chr11	20160486	20160486	+	7.466E-25	2.83066E-23	0.211134	hyper	sig	chr11_20160486
chr10	75408399	75408399	+	7.483E-25	2.83719E-23	0.318272	hyper	sig	chr10_75408399
chr11	1.18E+08	117987302	+	7.505E-25	2.84519E-23	-0.28021	hypo	sig	chr11_117987302
chr3	1.47E+08	147423040	+	7.515E-25	2.84904E-23	0.237631	hyper	sig	chr3_147423040
chr8	4991465	4991465	+	7.531E-25	2.85508E-23	0.310625	hyper	sig	chr8_4991465
chr15	31442092	31442092	+	7.539E-25	2.85788E-23	-0.22017	hypo	sig	chr15_31442092
chr13	1.11E+08	111305521	+	7.56E-25	2.86556E-23	0.228464	hyper	sig	chr13_111305521
chr13	70108192	70108192	+	7.563E-25	2.86614E-23	0.305997	hyper	sig	chr13_70108192
chr2	2.4E+08	240140755	+	7.568E-25	2.86801E-23	-0.21575	hypo	sig	chr2_240140755
chr5	14008885	14008885	+	7.585E-25	2.87413E-23	-0.21351	hypo	sig	chr5_14008885
chr12	3493012	3493012	+	7.592E-25	2.87671E-23	0.351272	hyper	sig	chr12_3493012
chr12	48198734	48198734	+	7.601E-25	2.87998E-23	0.235554	hyper	sig	chr12_48198734
chr8	64578672	64578672	+	7.612E-25	2.88417E-23	0.247387	hyper	sig	chr8_64578672
chr11	69382524	69382524	+	7.666E-25	2.90432E-23	-0.22562	hypo	sig	chr11_69382524
chr15	79091097	79091097	+	7.671E-25	2.90611E-23	0.323811	hyper	sig	chr15_79091097
chr1	3275137	3275137	+	7.673E-25	2.90652E-23	-0.22314	hypo	sig	chr1_3275137
chr5	1.81E+08	180646815	+	7.683E-25	2.91003E-23	-0.2737	hypo	sig	chr5_180646815
chr11	313267	313267	+	7.687E-25	2.91135E-23	-0.27788	hypo	sig	chr11_313267
chr16	1112573	1112573	+	7.695E-25	2.91445E-23	-0.25133	hypo	sig	chr16_1112573
chr5	1.29E+08	128538018	+	7.705E-25	2.91793E-23	0.262368	hyper	sig	chr5_128538018
chr2	1.32E+08	131830024	+	7.714E-25	2.92113E-23	0.24868	hyper	sig	chr2_131830024
chr12	1.14E+08	114440682	+	7.714E-25	2.92121E-23	0.264755	hyper	sig	chr12_114440682
chr14	93786464	93786464	+	7.718E-25	2.92262E-23	-0.23675	hypo	sig	chr14_93786464
chr1	2606361	2606361	+	7.737E-25	2.92958E-23	-0.22456	hypo	sig	chr1_2606361
chr5	1883504	1883504	+	7.762E-25	2.9387E-23	0.262222	hyper	sig	chr5_1883504
chr4	13528223	13528223	+	7.785E-25	2.94742E-23	0.200555	hyper	sig	chr4_13528223
chr6	1.7E+08	170423150	+	7.801E-25	2.9534E-23	0.214148	hyper	sig	chr6_170423150
chr5	1.46E+08	146343244	+	7.827E-25	2.9629E-23	0.20466	hyper	sig	chr5_146343244
chr19	841082	841082	+	7.83E-25	2.9638E-23	-0.24813	hypo	sig	chr19_841082
chr20	8132877	8132877	+	7.836E-25	2.96585E-23	0.23986	hyper	sig	chr20_8132877
chr13	57631006	57631006	+	7.839E-25	2.96715E-23	0.313247	hyper	sig	chr13_57631006
chr12	1.03E+08	102961548	+	7.843E-25	2.9684E-23	0.244819	hyper	sig	chr12_102961548
chr7	35258131	35258131	+	7.87E-25	2.97835E-23	0.331751	hyper	sig	chr7_35258131
chr11	32427708	32427708	+	7.884E-25	2.98345E-23	0.297685	hyper	sig	chr11_32427708
chr2	911072	911072	+	7.89E-25	2.98548E-23	-0.24006	hypo	sig	chr2_911072
chr12	1.28E+08	128365909	+	7.89E-25	2.98552E-23	0.279951	hyper	sig	chr12_128365909
chr12	6824222	6824222	+	7.904E-25	2.99076E-23	-0.26288	hypo	sig	chr12_6824222
chr1	2E+08	200036269	+	7.923E-25	2.9975E-23	0.395974	hyper	sig	chr1_200036269

chr22	43209459	43209459	+	7.955E-25	3.00968E-23	-0.23609	hypo	sig	chr22_43209459
chr7	2570014	2570014	+	7.961E-25	3.01175E-23	-0.23211	hypo	sig	chr7_2570014
chr12	64390388	64390388	+	7.971E-25	3.01518E-23	0.206709	hyper	sig	chr12_64390388
chr4	21304241	21304241	+	7.971E-25	3.01518E-23	0.270668	hyper	sig	chr4_21304241
chr12	53975670	53975670	+	7.992E-25	3.02298E-23	0.258608	hyper	sig	chr12_53975670
chr17	81841629	81841629	+	8E-25	3.02598E-23	-0.27603	hypo	sig	chr17_81841629
chr17	48727052	48727052	+	8.001E-25	3.02616E-23	0.249302	hyper	sig	chr17_48727052
chr16	5066673	5066673	+	8.004E-25	3.02721E-23	-0.26212	hypo	sig	chr16_5066673
chr6	84764332	84764332	+	8.006E-25	3.02759E-23	0.209806	hyper	sig	chr6_84764332
chr3	1.38E+08	137771851	+	8.02E-25	3.03296E-23	0.222233	hyper	sig	chr3_137771851
chr5	1.35E+08	135039076	+	8.027E-25	3.03549E-23	0.271525	hyper	sig	chr5_135039076
chr20	25082090	25082090	+	8.035E-25	3.0384E-23	0.260913	hyper	sig	chr20_25082090
chr11	92224871	92224871	+	8.037E-25	3.03912E-23	0.264315	hyper	sig	chr11_92224871
chr1	75135366	75135366	+	8.04E-25	3.03996E-23	0.238844	hyper	sig	chr1_75135366
chr10	1.05E+08	104640119	+	8.045E-25	3.04152E-23	0.314492	hyper	sig	chr10_104640119
chr8	2102063	2102063	+	8.056E-25	3.04582E-23	-0.21114	hypo	sig	chr8_2102063
chr16	1443849	1443849	+	8.063E-25	3.04808E-23	-0.2627	hypo	sig	chr16_1443849
chr5	1.79E+08	178941280	+	8.064E-25	3.04846E-23	0.277824	hyper	sig	chr5_178941280
chr6	31776035	31776035	+	8.096E-25	3.06037E-23	-0.21367	hypo	sig	chr6_31776035
chr4	6663999	6663999	+	8.099E-25	3.06111E-23	0.344021	hyper	sig	chr4_6663999
chr4	1.11E+08	110631264	+	8.144E-25	3.07797E-23	0.214572	hyper	sig	chr4_110631264
chr7	50450762	50450762	+	8.16E-25	3.08384E-23	0.248668	hyper	sig	chr7_50450762
chr11	1558180	1558180	+	8.18E-25	3.09144E-23	0.224221	hyper	sig	chr11_1558180
chr2	1.39E+08	138780129	+	8.2E-25	3.09872E-23	0.246971	hyper	sig	chr2_138780129
chr19	48444331	48444331	+	8.2E-25	3.09873E-23	0.274499	hyper	sig	chr19_48444331
chr6	32096273	32096273	+	8.209E-25	3.10182E-23	0.216663	hyper	sig	chr6_32096273
chr5	1107006	1107006	+	8.22E-25	3.10581E-23	-0.25464	hypo	sig	chr5_1107006
chr6	71421096	71421096	+	8.227E-25	3.10864E-23	0.243763	hyper	sig	chr6_71421096
chr20	63006042	63006042	+	8.252E-25	3.11766E-23	0.204787	hyper	sig	chr20_63006042
chr6	10419067	10419067	+	8.265E-25	3.12212E-23	0.331374	hyper	sig	chr6_10419067
chr15	52794771	52794771	+	8.267E-25	3.12273E-23	0.236215	hyper	sig	chr15_52794771
chr17	81118328	81118328	+	8.307E-25	3.13772E-23	-0.30089	hypo	sig	chr17_81118328
chr4	1.76E+08	176001518	+	8.331E-25	3.14646E-23	0.331506	hyper	sig	chr4_176001518
chr11	68843515	68843515	+	8.338E-25	3.1488E-23	-0.2022	hypo	sig	chr11_68843515
chr16	2284345	2284345	+	8.339E-25	3.14904E-23	-0.22863	hypo	sig	chr16_2284345
chr22	48503838	48503838	+	8.344E-25	3.15082E-23	-0.29131	hypo	sig	chr22_48503838
chr5	1144861	1144861	+	8.358E-25	3.15602E-23	-0.23974	hypo	sig	chr5_1144861
chr4	54101572	54101572	+	8.361E-25	3.15709E-23	0.288434	hyper	sig	chr4_54101572
chr16	51156106	51156106	+	8.376E-25	3.16252E-23	0.241393	hyper	sig	chr16_51156106
chr15	93430692	93430692	+	8.396E-25	3.16984E-23	-0.22345	hypo	sig	chr15_93430692
chr1	38134584	38134584	+	8.398E-25	3.17039E-23	0.255846	hyper	sig	chr1_38134584
chr8	52941002	52941002	+	8.401E-25	3.17149E-23	0.22983	hyper	sig	chr8_52941002
chr19	11454735	11454735	+	8.406E-25	3.17328E-23	-0.26413	hypo	sig	chr19_11454735
chr14	26598647	26598647	+	8.408E-25	3.1738E-23	0.28022	hyper	sig	chr14_26598647
chr8	66963333	66963333	+	8.422E-25	3.17892E-23	0.37694	hyper	sig	chr8_66963333
chr3	35639655	35639655	+	8.434E-25	3.18319E-23	0.346739	hyper	sig	chr3_35639655
chr5	1.41E+08	141236768	+	8.437E-25	3.18407E-23	0.266237	hyper	sig	chr5_141236768
chr1	2860407	2860407	+	8.438E-25	3.1846E-23	-0.25883	hypo	sig	chr1_2860407
chr8	1.08E+08	108083560	+	8.446E-25	3.18721E-23	0.245486	hyper	sig	chr8_108083560
chr9	98944387	98944387	+	8.447E-25	3.1876E-23	0.229054	hyper	sig	chr9_98944387
chr2	1.24E+08	124025337	+	8.456E-25	3.19084E-23	0.283171	hyper	sig	chr2_124025337
chr12	1.1E+08	109589017	+	8.458E-25	3.19137E-23	-0.34659	hypo	sig	chr12_109589017
chr17	81050265	81050265	+	8.459E-25	3.1915E-23	-0.30907	hypo	sig	chr17_81050265
chr7	2080013	2080013	+	8.466E-25	3.1942E-23	-0.29572	hypo	sig	chr7_2080013
chr16	87604863	87604863	+	8.471E-25	3.19586E-23	-0.21769	hypo	sig	chr16_87604863
chr1	94540719	94540719	+	8.471E-25	3.19592E-23	-0.45565	hypo	sig	chr1_94540719

chr8	1.43E+08	142564255	+	8.479E-25	3.19863E-23	-0.24293	hypo	sig	chr8_142564255
chr19	4555999	4555999	+	8.481E-25	3.19905E-23	-0.26125	hypo	sig	chr19_4555999
chr11	6480364	6480364	+	8.496E-25	3.2044E-23	-0.23628	hypo	sig	chr11_6480364
chr15	28832144	28832144	+	8.507E-25	3.20861E-23	0.259143	hyper	sig	chr15_28832144
chr11	79438340	79438340	+	8.517E-25	3.21216E-23	0.299233	hyper	sig	chr11_79438340
chr7	1.51E+08	151187751	+	8.517E-25	3.21216E-23	-0.26027	hypo	sig	chr7_151187751
chr11	1.23E+08	123366163	+	8.525E-25	3.21507E-23	-0.31648	hypo	sig	chr11_123366163
chr20	3668600	3668600	+	8.58E-25	3.23545E-23	-0.20849	hypo	sig	chr20_3668600
chr5	1.41E+08	140794969	+	8.584E-25	3.23657E-23	0.246546	hyper	sig	chr5_140794969
chr2	1.32E+08	131802638	+	8.589E-25	3.23837E-23	0.219735	hyper	sig	chr2_131802638
chr7	1.58E+08	157668586	+	8.598E-25	3.24138E-23	0.241167	hyper	sig	chr7_157668586
chr4	52076984	52076984	+	8.609E-25	3.24541E-23	0.24355	hyper	sig	chr4_52076984
chr15	93031945	93031945	+	8.618E-25	3.24863E-23	-0.33173	hypo	sig	chr15_93031945
chr11	1449157	1449157	+	8.619E-25	3.24904E-23	-0.31305	hypo	sig	chr11_1449157
chr17	35880659	35880659	+	8.628E-25	3.25204E-23	-0.30848	hypo	sig	chr17_35880659
chr1	66752267	66752267	+	8.635E-25	3.25461E-23	0.215615	hyper	sig	chr1_66752267
chr1	1.47E+08	147078933	+	8.642E-25	3.25722E-23	0.216084	hyper	sig	chr1_147078933
chr5	1.79E+08	179060682	+	8.652E-25	3.26044E-23	0.288625	hyper	sig	chr5_179060682
chr7	1.08E+08	107843356	+	8.652E-25	3.26044E-23	-0.33336	hypo	sig	chr7_107843356
chr9	10613434	10613434	+	8.662E-25	3.26433E-23	0.309837	hyper	sig	chr9_10613434
chr6	10422214	10422214	+	8.665E-25	3.26509E-23	0.252557	hyper	sig	chr6_10422214
chr5	1.46E+08	146339024	+	8.673E-25	3.26808E-23	0.26407	hyper	sig	chr5_146339024
chr11	64972003	64972003	+	8.689E-25	3.27382E-23	0.279242	hyper	sig	chr11_64972003
chr10	34974240	34974240	+	8.708E-25	3.28066E-23	-0.35519	hypo	sig	chr10_34974240
chr13	57632924	57632924	+	8.713E-25	3.28231E-23	0.28591	hyper	sig	chr13_57632924
chr16	54288446	54288446	+	8.713E-25	3.28238E-23	0.329298	hyper	sig	chr16_54288446
chr16	1442803	1442803	+	8.715E-25	3.28298E-23	-0.28851	hypo	sig	chr16_1442803
chr16	23184808	23184808	+	8.728E-25	3.28783E-23	-0.26789	hypo	sig	chr16_23184808
chr14	28778371	28778371	+	8.73E-25	3.28811E-23	0.25358	hyper	sig	chr14_28778371
chr11	15938079	15938079	+	8.743E-25	3.29278E-23	-0.24714	hypo	sig	chr11_15938079
chr5	1.42E+08	141945161	+	8.747E-25	3.29422E-23	-0.24295	hypo	sig	chr5_141945161
chr8	1.31E+08	131042286	+	8.787E-25	3.30885E-23	0.275543	hyper	sig	chr8_131042286
chr10	1.18E+08	117734952	+	8.787E-25	3.30887E-23	0.233397	hyper	sig	chr10_117734952
chr6	30111378	30111378	+	8.82E-25	3.32101E-23	-0.25921	hypo	sig	chr6_30111378
chr7	42493658	42493658	+	8.833E-25	3.3258E-23	0.2087	hyper	sig	chr7_42493658
chr11	32433816	32433816	+	8.862E-25	3.33635E-23	0.27067	hyper	sig	chr11_32433816
chr19	2065097	2065097	+	8.882E-25	3.34367E-23	-0.23386	hypo	sig	chr19_2065097
chr4	212758	212758	+	8.902E-25	3.35107E-23	0.242045	hyper	sig	chr4_212758
chr6	1.08E+08	108167395	+	8.911E-25	3.35399E-23	0.253841	hyper	sig	chr6_108167395
chr9	97855409	97855409	+	8.91E-25	3.35399E-23	0.304069	hyper	sig	chr9_97855409
chr18	79632535	79632535	+	8.935E-25	3.36296E-23	-0.27131	hypo	sig	chr18_79632535
chr5	2703190	2703190	+	8.948E-25	3.36755E-23	-0.23653	hypo	sig	chr5_2703190
chr16	88816730	88816730	+	8.973E-25	3.37651E-23	-0.25124	hypo	sig	chr16_88816730
chr12	6824241	6824241	+	8.985E-25	3.38084E-23	-0.25188	hypo	sig	chr12_6824241
chr5	1.41E+08	141430570	+	8.989E-25	3.38238E-23	0.252674	hyper	sig	chr5_141430570
chr11	1.2E+08	119741150	+	8.997E-25	3.38512E-23	-0.27248	hypo	sig	chr11_119741150
chr11	61777715	61777715	+	8.998E-25	3.38555E-23	0.236947	hyper	sig	chr11_61777715
chr2	1.32E+08	131830068	+	8.999E-25	3.38579E-23	0.26421	hyper	sig	chr2_131830068
chr6	99602983	99602983	+	9.001E-25	3.3861E-23	0.218113	hyper	sig	chr6_99602983
chr13	1.02E+08	102400553	+	9.004E-25	3.38714E-23	0.255017	hyper	sig	chr13_102400553
chr1	2.44E+08	243917776	+	9.005E-25	3.38727E-23	0.254118	hyper	sig	chr1_243917776
chr6	29730628	29730628	+	9.023E-25	3.39398E-23	-0.34285	hypo	sig	chr6_29730628
chr5	6411295	6411295	+	9.024E-25	3.39436E-23	-0.20358	hypo	sig	chr5_6411295
chr1	1.57E+08	156657307	+	9.036E-25	3.39863E-23	0.357038	hyper	sig	chr1_156657307
chr5	71719721	71719721	+	9.041E-25	3.40017E-23	0.321453	hyper	sig	chr5_71719721
chr17	76000303	76000303	+	9.049E-25	3.40318E-23	-0.21163	hypo	sig	chr17_76000303

chr7	92608629	92608629	+	9.064E-25	3.40876E-23	-0.31764	hypo	sig	chr7_92608629
chr17	83075508	83075508	+	9.065E-25	3.40893E-23	-0.24002	hypo	sig	chr17_83075508
chr11	64740584	64740584	+	9.085E-25	3.41622E-23	-0.22278	hypo	sig	chr11_64740584
chr12	1.14E+08	114401081	+	9.112E-25	3.42626E-23	0.214078	hyper	sig	chr12_114401081
chr10	1173415	1173415	+	9.113E-25	3.42649E-23	-0.2317	hypo	sig	chr10_1173415
chr4	1.82E+08	182140725	+	9.127E-25	3.4314E-23	0.234132	hyper	sig	chr4_182140725
chr16	84818956	84818956	+	9.129E-25	3.43234E-23	-0.2631	hypo	sig	chr16_84818956
chr7	8441026	8441026	+	9.133E-25	3.43348E-23	0.25482	hyper	sig	chr7_8441026
chr8	23706389	23706389	+	9.144E-25	3.43767E-23	0.242774	hyper	sig	chr8_23706389
chr20	4721935	4721935	+	9.15E-25	3.43946E-23	-0.31081	hypo	sig	chr20_4721935
chr16	66604370	66604370	+	9.166E-25	3.44513E-23	0.252391	hyper	sig	chr16_66604370
chr20	21105380	21105380	+	9.168E-25	3.44568E-23	0.231613	hyper	sig	chr20_21105380
chr9	1.19E+08	119369219	+	9.212E-25	3.4621E-23	0.297913	hyper	sig	chr9_119369219
chr2	66582125	66582125	+	9.22E-25	3.46518E-23	0.231427	hyper	sig	chr2_66582125
chr17	48596131	48596131	+	9.222E-25	3.46557E-23	-0.20416	hypo	sig	chr17_48596131
chr5	37840737	37840737	+	9.229E-25	3.46809E-23	0.226556	hyper	sig	chr5_37840737
chr2	2.13E+08	212536596	+	9.255E-25	3.47764E-23	0.272106	hyper	sig	chr2_212536596
chr1	2.08E+08	207645552	+	9.268E-25	3.48259E-23	0.219515	hyper	sig	chr1_207645552
chr18	12250819	12250819	+	9.269E-25	3.48259E-23	-0.35165	hypo	sig	chr18_12250819
chr6	32074423	32074423	+	9.275E-25	3.48477E-23	-0.21953	hypo	sig	chr6_32074423
chr2	44943226	44943226	+	9.282E-25	3.48729E-23	0.28961	hyper	sig	chr2_44943226
chr6	1.08E+08	108171202	+	9.289E-25	3.48956E-23	0.301097	hyper	sig	chr6_108171202
chr2	9820556	9820556	+	9.291E-25	3.49021E-23	-0.29471	hypo	sig	chr2_9820556
chr9	1.31E+08	130662824	+	9.303E-25	3.49444E-23	0.263741	hyper	sig	chr9_130662824
chr20	40690698	40690698	+	9.313E-25	3.49808E-23	0.237161	hyper	sig	chr20_40690698
chr20	62314444	62314444	+	9.328E-25	3.50359E-23	-0.23421	hypo	sig	chr20_62314444
chr5	32713248	32713248	+	9.336E-25	3.50639E-23	0.272907	hyper	sig	chr5_32713248
chr4	10461779	10461779	+	9.339E-25	3.50719E-23	0.282448	hyper	sig	chr4_10461779
chr1	22652167	22652167	+	9.36E-25	3.51494E-23	-0.23955	hypo	sig	chr1_22652167
chr11	79441777	79441777	+	9.371E-25	3.51877E-23	0.300802	hyper	sig	chr11_79441777
chr10	61452495	61452495	+	9.392E-25	3.52646E-23	0.276463	hyper	sig	chr10_61452495
chr6	1E+08	100449569	+	9.427E-25	3.5393E-23	0.305254	hyper	sig	chr6_100449569
chr17	9825665	9825665	+	9.434E-25	3.54173E-23	-0.2618	hypo	sig	chr17_9825665
chr5	1.41E+08	141094682	+	9.435E-25	3.5423E-23	0.274886	hyper	sig	chr5_141094682
chr18	69402934	69402934	+	9.441E-25	3.54397E-23	0.22324	hyper	sig	chr18_69402934
chr4	1039000	1039000	+	9.441E-25	3.54397E-23	-0.28925	hypo	sig	chr4_1039000
chr5	1.59E+08	159104621	+	9.456E-25	3.54958E-23	0.276073	hyper	sig	chr5_159104621
chr8	64575655	64575655	+	9.475E-25	3.55645E-23	0.243058	hyper	sig	chr8_64575655
chr6	50850557	50850557	+	9.536E-25	3.57939E-23	0.237475	hyper	sig	chr6_50850557
chr13	1.12E+08	112053507	+	9.542E-25	3.58132E-23	0.260908	hyper	sig	chr13_112053507
chr3	1.47E+08	147396001	+	9.55E-25	3.58404E-23	0.257844	hyper	sig	chr3_147396001
chr11	1343853	1343853	+	9.561E-25	3.58802E-23	-0.26136	hypo	sig	chr11_1343853
chr3	1.73E+08	173141179	+	9.564E-25	3.58908E-23	-0.22569	hypo	sig	chr3_173141179
chr15	40278330	40278330	+	9.601E-25	3.60276E-23	-0.22154	hypo	sig	chr15_40278330
chr7	1.58E+08	157706825	+	9.632E-25	3.61441E-23	-0.30004	hypo	sig	chr7_157706825
chr5	1.41E+08	140807547	+	9.669E-25	3.62803E-23	0.224814	hyper	sig	chr5_140807547
chr4	1.54E+08	153789692	+	9.684E-25	3.63345E-23	0.249164	hyper	sig	chr4_153789692
chr2	1.3E+08	130006002	+	9.712E-25	3.64372E-23	0.266363	hyper	sig	chr2_130006002
chr11	1.18E+08	117810202	+	9.717E-25	3.64551E-23	-0.28577	hypo	sig	chr11_117810202
chr12	54031341	54031341	+	9.72E-25	3.64656E-23	0.282495	hyper	sig	chr12_54031341
chr15	82647485	82647485	+	9.724E-25	3.64786E-23	0.238446	hyper	sig	chr15_82647485
chr17	48722564	48722564	+	9.728E-25	3.64903E-23	0.292756	hyper	sig	chr17_48722564
chr14	26597461	26597461	+	9.741E-25	3.65392E-23	0.235288	hyper	sig	chr14_26597461
chr12	48198762	48198762	+	9.743E-25	3.65453E-23	0.219736	hyper	sig	chr12_48198762
chr20	45097879	45097879	+	9.762E-25	3.66136E-23	0.242954	hyper	sig	chr20_45097879
chr6	1.59E+08	158663338	+	9.775E-25	3.66617E-23	-0.32553	hypo	sig	chr6_158663338

chr8	54466439	54466439	+	9.812E-25	3.67976E-23	0.359575	hyper	sig	chr8_54466439
chr14	99652713	99652713	+	9.835E-25	3.68804E-23	-0.24969	hypo	sig	chr14_99652713
chr2	1.15E+08	115162447	+	9.846E-25	3.69212E-23	0.296974	hyper	sig	chr2_115162447
chr2	1.32E+08	131830008	+	9.867E-25	3.69967E-23	0.254787	hyper	sig	chr2_131830008
chr2	66432906	66432906	+	9.889E-25	3.70794E-23	0.232256	hyper	sig	chr2_66432906
chr16	67163826	67163826	+	9.892E-25	3.70892E-23	0.357652	hyper	sig	chr16_67163826
chr1	1.57E+08	156849212	+	9.913E-25	3.71651E-23	0.315369	hyper	sig	chr1_156849212
chr5	2747974	2747974	+	9.916E-25	3.71771E-23	0.260436	hyper	sig	chr5_2747974
chr14	93787802	93787802	+	9.919E-25	3.71837E-23	0.290372	hyper	sig	chr14_93787802
chr6	28489424	28489424	+	9.922E-25	3.71959E-23	0.251648	hyper	sig	chr6_28489424
chr13	26051267	26051267	+	9.928E-25	3.72153E-23	0.21114	hyper	sig	chr13_26051267
chr12	1.32E+08	132474285	+	9.969E-25	3.73629E-23	-0.24404	hypo	sig	chr12_132474285
chr21	33071830	33071830	+	9.975E-25	3.73856E-23	0.238243	hyper	sig	chr21_33071830
chr5	3592412	3592412	+	9.981E-25	3.74043E-23	0.21175	hyper	sig	chr5_3592412
chr3	26622794	26622794	+	9.983E-25	3.74112E-23	0.285577	hyper	sig	chr3_26622794
chr2	1.2E+08	119523956	+	9.99E-25	3.74342E-23	0.329226	hyper	sig	chr2_119523956
chr8	56445732	56445732	+	9.991E-25	3.74372E-23	0.225678	hyper	sig	chr8_56445732
chr12	1.27E+08	126727982	+	9.997E-25	3.74599E-23	0.236993	hyper	sig	chr12_126727982
chr7	2570241	2570241	+	1.002E-24	3.75286E-23	-0.35464	hypo	sig	chr7_2570241
chr15	74955745	74955745	+	1.003E-24	3.75715E-23	-0.27568	hypo	sig	chr15_74955745
chr6	27275149	27275149	+	1.003E-24	3.75924E-23	0.244504	hyper	sig	chr6_27275149
chr18	79430080	79430080	+	1.004E-24	3.76126E-23	-0.23528	hypo	sig	chr18_79430080
chr7	2567235	2567235	+	1.004E-24	3.76262E-23	0.288107	hyper	sig	chr7_2567235
chr10	34974166	34974166	+	1.006E-24	3.76815E-23	-0.34607	hypo	sig	chr10_34974166
chr20	9838624	9838624	+	1.006E-24	3.76942E-23	0.278927	hyper	sig	chr20_9838624
chr6	83853158	83853158	+	1.009E-24	3.77788E-23	0.229348	hyper	sig	chr6_83853158
chr17	63968162	63968162	+	1.009E-24	3.77818E-23	-0.25187	hypo	sig	chr17_63968162
chr10	1.01E+08	101136891	+	1.01E-24	3.78041E-23	0.222826	hyper	sig	chr10_101136891
chr5	77972588	77972588	+	1.011E-24	3.78387E-23	0.23796	hyper	sig	chr5_77972588
chr10	1.31E+08	131310689	+	1.013E-24	3.79458E-23	0.354119	hyper	sig	chr10_131310689
chr10	49322715	49322715	+	1.014E-24	3.79476E-23	-0.22444	hypo	sig	chr10_49322715
chr12	1.14E+08	113669998	+	1.016E-24	3.80526E-23	0.234248	hyper	sig	chr12_113669998
chr22	32194234	32194234	+	1.018E-24	3.81076E-23	-0.41214	hypo	sig	chr22_32194234
chr6	50714627	50714627	+	1.019E-24	3.81446E-23	0.205414	hyper	sig	chr6_50714627
chr5	1.77E+08	177116959	+	1.019E-24	3.81527E-23	0.22926	hyper	sig	chr5_177116959
chr12	1.25E+08	124617922	+	1.019E-24	3.81604E-23	-0.31874	hypo	sig	chr12_124617922
chr14	60510231	60510231	+	1.02E-24	3.81769E-23	0.328969	hyper	sig	chr14_60510231
chr2	1.19E+08	118858374	+	1.021E-24	3.81986E-23	0.262826	hyper	sig	chr2_118858374
chr16	29156757	29156757	+	1.021E-24	3.82278E-23	-0.29997	hypo	sig	chr16_29156757
chr4	1.85E+08	185019484	+	1.022E-24	3.8239E-23	0.254349	hyper	sig	chr4_185019484
chr1	1.19E+08	119008318	+	1.023E-24	3.8281E-23	0.300483	hyper	sig	chr1_119008318
chr7	64045773	64045773	+	1.023E-24	3.82932E-23	0.272256	hyper	sig	chr7_64045773
chr6	28635466	28635466	+	1.025E-24	3.83477E-23	0.278927	hyper	sig	chr6_28635466
chr19	56671682	56671682	+	1.026E-24	3.83884E-23	0.291266	hyper	sig	chr19_56671682
chr1	1.47E+08	147072496	+	1.027E-24	3.84185E-23	0.23709	hyper	sig	chr1_147072496
chr7	1.01E+08	101362689	+	1.03E-24	3.85276E-23	0.303843	hyper	sig	chr7_101362689
chr19	3178803	3178803	+	1.034E-24	3.86644E-23	-0.21802	hypo	sig	chr19_3178803
chr4	1.77E+08	176792142	+	1.034E-24	3.86772E-23	0.242523	hyper	sig	chr4_176792142
chr16	81692302	81692302	+	1.035E-24	3.87173E-23	-0.24073	hypo	sig	chr16_81692302
chr2	10042886	10042886	+	1.037E-24	3.87834E-23	0.257803	hyper	sig	chr2_10042886
chr17	41612760	41612760	+	1.039E-24	3.88592E-23	-0.23813	hypo	sig	chr17_41612760
chr5	3116576	3116576	+	1.04E-24	3.88914E-23	0.210454	hyper	sig	chr5_3116576
chr12	54000199	54000199	+	1.049E-24	3.9229E-23	0.208947	hyper	sig	chr12_54000199
chr7	43113931	43113931	+	1.051E-24	3.92846E-23	0.236542	hyper	sig	chr7_43113931
chr16	22948261	22948261	+	1.051E-24	3.93115E-23	0.218261	hyper	sig	chr16_22948261
chr5	1.81E+08	181173950	+	1.051E-24	3.93115E-23	0.205128	hyper	sig	chr5_181173950

chr3	1.39E+08	138939788	+	1.052E-24	3.9326E-23	0.230846	hyper	sig	chr3_138939788
chr2	1.19E+08	118849821	+	1.056E-24	3.94785E-23	0.27255	hyper	sig	chr2_118849821
chr10	1.31E+08	131084765	+	1.056E-24	3.94913E-23	-0.21318	hypo	sig	chr10_131084765
chr19	33623388	33623388	+	1.058E-24	3.95488E-23	0.232452	hyper	sig	chr19_33623388
chr8	23705649	23705649	+	1.06E-24	3.96143E-23	0.259088	hyper	sig	chr8_23705649
chr22	18969251	18969251	+	1.06E-24	3.96214E-23	-0.22366	hypo	sig	chr22_18969251
chr3	1.72E+08	172448404	+	1.066E-24	3.98273E-23	0.240305	hyper	sig	chr3_172448404
chr5	88660045	88660045	+	1.066E-24	3.98501E-23	0.288121	hyper	sig	chr5_88660045
chr4	1535635	1535635	+	1.069E-24	3.99521E-23	-0.27818	hypo	sig	chr4_1535635
chr19	56765247	56765247	+	1.07E-24	4.0005E-23	0.346098	hyper	sig	chr19_56765247
chr16	3009795	3009795	+	1.071E-24	4.00173E-23	-0.21095	hypo	sig	chr16_3009795
chr4	61200709	61200709	+	1.075E-24	4.0164E-23	0.350893	hyper	sig	chr4_61200709
chr11	20671157	20671157	+	1.078E-24	4.02959E-23	0.276175	hyper	sig	chr11_20671157
chr11	33015028	33015028	+	1.079E-24	4.03137E-23	-0.29189	hypo	sig	chr11_33015028
chr4	1.22E+08	121765146	+	1.079E-24	4.03162E-23	0.202988	hyper	sig	chr4_121765146
chr2	1.09E+08	109031519	+	1.08E-24	4.03607E-23	0.246605	hyper	sig	chr2_109031519
chr16	49278632	49278632	+	1.081E-24	4.03748E-23	0.268673	hyper	sig	chr16_49278632
chr1	78491479	78491479	+	1.082E-24	4.04096E-23	0.305715	hyper	sig	chr1_78491479
chr5	1.79E+08	178941627	+	1.084E-24	4.04985E-23	0.291648	hyper	sig	chr5_178941627
chr1	1.71E+08	170660400	+	1.086E-24	4.05739E-23	0.242956	hyper	sig	chr1_170660400
chr1	90724422	90724422	+	1.088E-24	4.06405E-23	0.303861	hyper	sig	chr1_90724422
chr1	3089765	3089765	+	1.089E-24	4.06664E-23	-0.22665	hypo	sig	chr1_3089765
chr8	1.16E+08	115667550	+	1.09E-24	4.07005E-23	0.226023	hyper	sig	chr8_115667550
chr20	43189298	43189298	+	1.092E-24	4.07703E-23	0.213716	hyper	sig	chr20_43189298
chr5	1.41E+08	141409883	+	1.093E-24	4.08292E-23	0.243081	hyper	sig	chr5_141409883
chr10	71262546	71262546	+	1.094E-24	4.08702E-23	-0.24038	hypo	sig	chr10_71262546
chr16	49277576	49277576	+	1.096E-24	4.09387E-23	0.236735	hyper	sig	chr16_49277576
chr12	53952119	53952119	+	1.098E-24	4.09924E-23	0.237665	hyper	sig	chr12_53952119
chr12	1.32E+08	132179370	+	1.1E-24	4.10785E-23	-0.22205	hypo	sig	chr12_132179370
chr5	77178848	77178848	+	1.104E-24	4.12115E-23	-0.24064	hypo	sig	chr5_77178848
chr10	62818375	62818375	+	1.105E-24	4.12655E-23	0.221658	hyper	sig	chr10_62818375
chr5	64166410	64166410	+	1.108E-24	4.13645E-23	0.251583	hyper	sig	chr5_64166410
chr8	1.42E+08	142462908	+	1.108E-24	4.13676E-23	-0.21343	hypo	sig	chr8_142462908
chr13	48302783	48302783	+	1.109E-24	4.14069E-23	-0.30408	hypo	sig	chr13_48302783
chr10	3127324	3127324	+	1.109E-24	4.14094E-23	-0.26146	hypo	sig	chr10_3127324
chr2	1.71E+08	170823081	+	1.111E-24	4.14732E-23	0.300461	hyper	sig	chr2_170823081
chr16	88416432	88416432	+	1.113E-24	4.15412E-23	-0.27464	hypo	sig	chr16_88416432
chr3	1.82E+08	181726633	+	1.113E-24	4.15412E-23	0.214621	hyper	sig	chr3_181726633
chr5	73382444	73382444	+	1.115E-24	4.1591E-23	0.261432	hyper	sig	chr5_73382444
chr15	26866907	26866907	+	1.116E-24	4.16245E-23	0.293732	hyper	sig	chr15_26866907
chr2	1.82E+08	181678515	+	1.117E-24	4.1677E-23	0.23801	hyper	sig	chr2_181678515
chr19	57363947	57363947	+	1.119E-24	4.1732E-23	0.223794	hyper	sig	chr19_57363947
chr8	1.33E+08	133455626	+	1.127E-24	4.20451E-23	-0.27183	hypo	sig	chr8_133455626
chr20	38807017	38807017	+	1.127E-24	4.20454E-23	0.218663	hyper	sig	chr20_38807017
chr6	1.08E+08	108167720	+	1.127E-24	4.20579E-23	0.236885	hyper	sig	chr6_108167720
chr5	1.78E+08	178078467	+	1.131E-24	4.21766E-23	-0.33968	hypo	sig	chr5_178078467
chr17	35488538	35488538	+	1.133E-24	4.22511E-23	0.303443	hyper	sig	chr17_35488538
chr7	1.57E+08	157044342	+	1.135E-24	4.23273E-23	-0.20903	hypo	sig	chr7_157044342
chr2	88286325	88286325	+	1.136E-24	4.23631E-23	-0.28672	hypo	sig	chr2_88286325
chr16	55330912	55330912	+	1.138E-24	4.24344E-23	0.298662	hyper	sig	chr16_55330912
chr1	3907206	3907206	+	1.139E-24	4.24679E-23	-0.22045	hypo	sig	chr1_3907206
chr16	4332084	4332084	+	1.14E-24	4.25109E-23	-0.24017	hypo	sig	chr16_4332084
chr16	77789402	77789402	+	1.143E-24	4.26276E-23	0.281603	hyper	sig	chr16_77789402
chr9	62800134	62800134	+	1.143E-24	4.26308E-23	0.201721	hyper	sig	chr9_62800134
chr3	1.38E+08	137760748	+	1.145E-24	4.26811E-23	0.22214	hyper	sig	chr3_137760748
chr22	22520231	22520231	+	1.145E-24	4.26916E-23	-0.25999	hypo	sig	chr22_22520231

chr6	32053506	32053506	+	1.15E-24	4.28717E-23	-0.29316	hypo	sig	chr6_32053506
chr18	11147798	11147798	+	1.15E-24	4.28765E-23	0.275334	hyper	sig	chr18_11147798
chr12	4911517	4911517	+	1.151E-24	4.2914E-23	0.277773	hyper	sig	chr12_4911517
chr10	1.23E+08	123142877	+	1.154E-24	4.29983E-23	0.241549	hyper	sig	chr10_123142877
chr9	1.36E+08	136348894	+	1.154E-24	4.3028E-23	-0.26672	hypo	sig	chr9_136348894
chr5	1.41E+08	140882736	+	1.158E-24	4.31479E-23	0.264106	hyper	sig	chr5_140882736
chr7	28410298	28410298	+	1.159E-24	4.32012E-23	0.226591	hyper	sig	chr7_28410298
chr8	8891001	8891001	+	1.16E-24	4.32253E-23	0.236054	hyper	sig	chr8_8891001
chr20	21713669	21713669	+	1.162E-24	4.33163E-23	0.279277	hyper	sig	chr20_21713669
chr6	10841482	10841482	+	1.166E-24	4.34534E-23	-0.3316	hypo	sig	chr6_10841482
chr18	21243307	21243307	+	1.169E-24	4.35547E-23	0.211311	hyper	sig	chr18_21243307
chr8	64587290	64587290	+	1.172E-24	4.3662E-23	0.27509	hyper	sig	chr8_64587290
chr2	1.28E+08	127681585	+	1.173E-24	4.36962E-23	-0.31979	hypo	sig	chr2_127681585
chr13	36432246	36432246	+	1.174E-24	4.37388E-23	0.276408	hyper	sig	chr13_36432246
chr5	1.73E+08	173244553	+	1.176E-24	4.3786E-23	0.272906	hyper	sig	chr5_173244553
chr2	40452432	40452432	+	1.178E-24	4.38597E-23	0.23857	hyper	sig	chr2_40452432
chr12	1.32E+08	132452126	+	1.178E-24	4.38731E-23	-0.25243	hypo	sig	chr12_132452126
chr17	81125961	81125961	+	1.182E-24	4.40278E-23	-0.22978	hypo	sig	chr17_81125961
chr2	73291615	73291615	+	1.185E-24	4.41266E-23	0.20508	hyper	sig	chr2_73291615
chr1	2.08E+08	207669702	+	1.188E-24	4.42536E-23	0.29538	hyper	sig	chr1_207669702
chr11	17720949	17720949	+	1.19E-24	4.43009E-23	0.305266	hyper	sig	chr11_17720949
chr13	1.13E+08	112979295	+	1.193E-24	4.44189E-23	-0.23261	hypo	sig	chr13_112979295
chr6	8108486	8108486	+	1.194E-24	4.44513E-23	-0.31165	hypo	sig	chr6_8108486
chr16	84302811	84302811	+	1.194E-24	4.44572E-23	-0.24318	hypo	sig	chr16_84302811
chr9	1.36E+08	136334215	+	1.2E-24	4.46706E-23	-0.24215	hypo	sig	chr9_136334215
chr12	8612740	8612740	+	1.2E-24	4.46802E-23	-0.33204	hypo	sig	chr12_8612740
chr4	1.72E+08	171813083	+	1.201E-24	4.47062E-23	0.253492	hyper	sig	chr4_171813083
chr16	88410340	88410340	+	1.204E-24	4.4805E-23	-0.26339	hypo	sig	chr16_88410340
chr10	21509372	21509372	+	1.205E-24	4.48525E-23	-0.36284	hypo	sig	chr10_21509372
chr12	51824642	51824642	+	1.207E-24	4.49118E-23	-0.26764	hypo	sig	chr12_51824642
chr5	1.35E+08	135027634	+	1.208E-24	4.49495E-23	0.338398	hyper	sig	chr5_135027634
chr21	44539259	44539259	+	1.209E-24	4.49772E-23	-0.2166	hypo	sig	chr21_44539259
chr19	36331846	36331846	+	1.21E-24	4.50284E-23	0.200678	hyper	sig	chr19_36331846
chr6	50850972	50850972	+	1.212E-24	4.51161E-23	0.245969	hyper	sig	chr6_50850972
chr1	3543799	3543799	+	1.213E-24	4.51203E-23	-0.27937	hypo	sig	chr1_3543799
chr1	3752666	3752666	+	1.214E-24	4.51752E-23	-0.2223	hypo	sig	chr1_3752666
chr1	2498812	2498812	+	1.216E-24	4.52432E-23	-0.25819	hypo	sig	chr1_2498812
chr12	1.08E+08	108211479	+	1.217E-24	4.52738E-23	-0.23039	hypo	sig	chr12_108211479
chr12	1.32E+08	132315391	+	1.217E-24	4.52739E-23	-0.24793	hypo	sig	chr12_132315391
chr1	38476448	38476448	+	1.218E-24	4.53094E-23	0.259063	hyper	sig	chr1_38476448
chr5	1.81E+08	180609385	+	1.218E-24	4.5313E-23	-0.23087	hypo	sig	chr5_180609385
chr1	2.29E+08	229407358	+	1.219E-24	4.53405E-23	0.304797	hyper	sig	chr1_229407358
chr17	52160004	52160004	+	1.221E-24	4.54004E-23	0.215409	hyper	sig	chr17_52160004
chr16	10877334	10877334	+	1.224E-24	4.55065E-23	-0.21679	hypo	sig	chr16_10877334
chr7	50400267	50400267	+	1.224E-24	4.55065E-23	0.218533	hyper	sig	chr7_50400267
chr16	3189327	3189327	+	1.23E-24	4.57414E-23	0.231025	hyper	sig	chr16_3189327
chr16	3305993	3305993	+	1.23E-24	4.57435E-23	0.217544	hyper	sig	chr16_3305993
chr20	61925563	61925563	+	1.23E-24	4.57435E-23	-0.28664	hypo	sig	chr20_61925563
chr6	72621410	72621410	+	1.232E-24	4.58239E-23	0.201622	hyper	sig	chr6_72621410
chr20	21514369	21514369	+	1.234E-24	4.58922E-23	0.304565	hyper	sig	chr20_21514369
chr8	26052083	26052083	+	1.235E-24	4.5906E-23	0.24448	hyper	sig	chr8_26052083
chr9	1.36E+08	136199980	+	1.237E-24	4.59872E-23	0.225858	hyper	sig	chr9_136199980
chr22	20323153	20323153	+	1.242E-24	4.61824E-23	-0.22783	hypo	sig	chr22_20323153
chr11	79438327	79438327	+	1.246E-24	4.63347E-23	0.27235	hyper	sig	chr11_79438327
chr19	16283763	16283763	+	1.247E-24	4.63596E-23	0.257136	hyper	sig	chr19_16283763
chr8	26010543	26010543	+	1.248E-24	4.63744E-23	0.28048	hyper	sig	chr8_26010543

chr11	49889834	49889834	+	1.25E-24	4.64658E-23	-0.2338	hypo	sig	chr11_49889834
chr13	1.12E+08	111640248	+	1.252E-24	4.65327E-23	-0.22914	hypo	sig	chr13_111640248
chr2	74515175	74515175	+	1.257E-24	4.66988E-23	0.246956	hyper	sig	chr2_74515175
chr7	27103657	27103657	+	1.259E-24	4.67756E-23	0.228078	hyper	sig	chr7_27103657
chr6	28259276	28259276	+	1.262E-24	4.69075E-23	0.268381	hyper	sig	chr6_28259276
chr8	9905269	9905269	+	1.264E-24	4.69603E-23	0.210715	hyper	sig	chr8_9905269
chr12	4911510	4911510	+	1.264E-24	4.69777E-23	0.284666	hyper	sig	chr12_4911510
chr10	1.33E+08	132758913	+	1.265E-24	4.69835E-23	-0.20297	hypo	sig	chr10_132758913
chr19	12195404	12195404	+	1.267E-24	4.70545E-23	0.265478	hyper	sig	chr19_12195404
chr14	60648018	60648018	+	1.268E-24	4.71037E-23	0.302955	hyper	sig	chr14_60648018
chr11	66421211	66421211	+	1.269E-24	4.71364E-23	0.331725	hyper	sig	chr11_66421211
chr2	97710100	97710100	+	1.27E-24	4.71678E-23	-0.22855	hypo	sig	chr2_97710100
chr10	11742471	11742471	+	1.27E-24	4.71867E-23	0.249912	hyper	sig	chr10_11742471
chr9	1.22E+08	122225673	+	1.271E-24	4.72063E-23	0.278066	hyper	sig	chr9_122225673
chr5	71719698	71719698	+	1.275E-24	4.73476E-23	0.303571	hyper	sig	chr5_71719698
chr22	48550264	48550264	+	1.277E-24	4.74184E-23	-0.22443	hypo	sig	chr22_48550264
chr12	1.15E+08	114696619	+	1.284E-24	4.76976E-23	0.206899	hyper	sig	chr12_114696619
chr2	1.32E+08	131589257	+	1.289E-24	4.78456E-23	-0.34608	hypo	sig	chr2_131589257
chr13	21071211	21071211	+	1.291E-24	4.79205E-23	-0.34673	hypo	sig	chr13_21071211
chr3	1.47E+08	147359728	+	1.291E-24	4.79433E-23	0.232739	hyper	sig	chr3_147359728
chr10	1.33E+08	132851730	+	1.292E-24	4.79595E-23	-0.36401	hypo	sig	chr10_132851730
chr19	18008013	18008013	+	1.294E-24	4.80389E-23	0.222339	hyper	sig	chr19_18008013
chr13	27794930	27794930	+	1.295E-24	4.80883E-23	0.2378	hyper	sig	chr13_27794930
chr1	2449834	2449834	+	1.297E-24	4.81402E-23	-0.26996	hypo	sig	chr1_2449834
chr19	1397290	1397290	+	1.297E-24	4.81402E-23	-0.30809	hypo	sig	chr19_1397290
chr1	3227177	3227177	+	1.297E-24	4.81556E-23	-0.22074	hypo	sig	chr1_3227177
chr10	3122652	3122652	+	1.3E-24	4.8234E-23	-0.20224	hypo	sig	chr10_3122652
chr1	1.77E+08	177171452	+	1.301E-24	4.82758E-23	0.222702	hyper	sig	chr1_177171452
chr12	1.06E+08	106140085	+	1.302E-24	4.83075E-23	0.240212	hyper	sig	chr12_106140085
chr3	50322493	50322493	+	1.305E-24	4.8408E-23	-0.22608	hypo	sig	chr3_50322493
chr20	24471123	24471123	+	1.305E-24	4.84085E-23	0.216563	hyper	sig	chr20_24471123
chr7	35254837	35254837	+	1.305E-24	4.84267E-23	0.284888	hyper	sig	chr7_35254837
chr5	1.34E+08	134114030	+	1.306E-24	4.8446E-23	0.231779	hyper	sig	chr5_134114030
chr6	28634890	28634890	+	1.306E-24	4.84593E-23	0.223597	hyper	sig	chr6_28634890
chr12	51401507	51401507	+	1.307E-24	4.84769E-23	-0.30583	hypo	sig	chr12_51401507
chr12	1.32E+08	131617626	+	1.308E-24	4.85069E-23	-0.29906	hypo	sig	chr12_131617626
chr14	1.02E+08	101765095	+	1.311E-24	4.86276E-23	-0.26914	hypo	sig	chr14_101765095
chr2	1.37E+08	136764648	+	1.311E-24	4.86276E-23	0.202707	hyper	sig	chr2_136764648
chr2	1.15E+08	115161193	+	1.313E-24	4.86969E-23	0.223266	hyper	sig	chr2_115161193
chr2	38960452	38960452	+	1.314E-24	4.87442E-23	0.214503	hyper	sig	chr2_38960452
chr13	1.12E+08	112057684	+	1.319E-24	4.89009E-23	0.252452	hyper	sig	chr13_112057684
chr2	1.3E+08	129979661	+	1.319E-24	4.89009E-23	0.211907	hyper	sig	chr2_129979661
chr16	7303513	7303513	+	1.321E-24	4.89927E-23	0.292387	hyper	sig	chr16_7303513
chr9	19788249	19788249	+	1.323E-24	4.90531E-23	0.274586	hyper	sig	chr9_19788249
chr7	1.55E+08	155373049	+	1.326E-24	4.91626E-23	0.25807	hyper	sig	chr7_155373049
chr5	1.73E+08	173244625	+	1.326E-24	4.9168E-23	0.270631	hyper	sig	chr5_173244625
chr10	93065884	93065884	+	1.33E-24	4.93158E-23	0.213676	hyper	sig	chr10_93065884
chr2	10923256	10923256	+	1.333E-24	4.94114E-23	-0.21147	hypo	sig	chr2_10923256
chr6	50843253	50843253	+	1.333E-24	4.94231E-23	0.252856	hyper	sig	chr6_50843253
chr19	57363913	57363913	+	1.336E-24	4.9513E-23	0.203971	hyper	sig	chr19_57363913
chr6	33128278	33128278	+	1.338E-24	4.95871E-23	-0.28338	hypo	sig	chr6_33128278
chr10	1.04E+08	103559254	+	1.342E-24	4.97495E-23	-0.2615	hypo	sig	chr10_103559254
chr8	1.43E+08	143494448	+	1.349E-24	4.99933E-23	0.272734	hyper	sig	chr8_143494448
chr12	52601511	52601511	+	1.349E-24	5.00086E-23	0.237874	hyper	sig	chr12_52601511
chr3	44022340	44022340	+	1.351E-24	5.00564E-23	0.216457	hyper	sig	chr3_44022340
chr17	81400588	81400588	+	1.355E-24	5.02152E-23	0.204599	hyper	sig	chr17_81400588

chr8	11704231	11704231	+	1.355E-24	5.02174E-23	0.275046	hyper	sig	chr8_11704231
chr2	1.76E+08	176099622	+	1.363E-24	5.05087E-23	0.27772	hyper	sig	chr2_176099622
chr5	1886788	1886788	+	1.364E-24	5.05365E-23	0.225662	hyper	sig	chr5_1886788
chr6	98824068	98824068	+	1.364E-24	5.05366E-23	0.24614	hyper	sig	chr6_98824068
chr7	1602307	1602307	+	1.365E-24	5.05608E-23	-0.23086	hypo	sig	chr7_1602307
chr11	32433329	32433329	+	1.366E-24	5.06209E-23	0.218177	hyper	sig	chr11_32433329
chr19	15224026	15224026	+	1.372E-24	5.0812E-23	0.306099	hyper	sig	chr19_15224026
chr20	45316744	45316744	+	1.377E-24	5.10048E-23	0.265483	hyper	sig	chr20_45316744
chr9	14993555	14993555	+	1.378E-24	5.10214E-23	0.279521	hyper	sig	chr9_14993555
chr19	4634863	4634863	+	1.384E-24	5.12546E-23	-0.30647	hypo	sig	chr19_4634863
chr5	2753741	2753741	+	1.387E-24	5.13811E-23	0.236002	hyper	sig	chr5_2753741
chr4	1.04E+08	103720055	+	1.393E-24	5.15746E-23	0.265362	hyper	sig	chr4_103720055
chr4	3264036	3264036	+	1.394E-24	5.16273E-23	-0.30049	hypo	sig	chr4_3264036
chr1	3673389	3673389	+	1.398E-24	5.17774E-23	-0.2607	hypo	sig	chr1_3673389
chr17	34156692	34156692	+	1.4E-24	5.18223E-23	0.25147	hyper	sig	chr17_34156692
chr17	78232167	78232167	+	1.401E-24	5.18498E-23	0.238508	hyper	sig	chr17_78232167
chr6	1.34E+08	133890138	+	1.402E-24	5.18909E-23	0.223625	hyper	sig	chr6_133890138
chr7	19119089	19119089	+	1.403E-24	5.19268E-23	0.251118	hyper	sig	chr7_19119089
chr1	2.04E+08	204196967	+	1.409E-24	5.215E-23	-0.31014	hypo	sig	chr1_204196967
chr13	94968709	94968709	+	1.411E-24	5.22193E-23	0.279756	hyper	sig	chr13_94968709
chr7	1.01E+08	101237493	+	1.412E-24	5.2269E-23	0.284317	hyper	sig	chr7_101237493
chr11	72244371	72244371	+	1.413E-24	5.22924E-23	0.284704	hyper	sig	chr11_72244371
chr7	49776061	49776061	+	1.417E-24	5.24458E-23	0.217191	hyper	sig	chr7_49776061
chr2	1.21E+08	120712841	+	1.42E-24	5.25339E-23	-0.25569	hypo	sig	chr2_120712841
chr4	1.77E+08	176792179	+	1.42E-24	5.2546E-23	0.231998	hyper	sig	chr4_176792179
chr1	69569467	69569467	+	1.421E-24	5.25838E-23	0.290604	hyper	sig	chr1_69569467
chr11	2190511	2190511	+	1.425E-24	5.27119E-23	-0.20166	hypo	sig	chr11_2190511
chr19	40568200	40568200	+	1.427E-24	5.27992E-23	0.234057	hyper	sig	chr19_40568200
chr21	45899376	45899376	+	1.428E-24	5.28395E-23	-0.28234	hypo	sig	chr21_45899376
chr20	62330926	62330926	+	1.431E-24	5.29342E-23	-0.25107	hypo	sig	chr20_62330926
chr17	49867636	49867636	+	1.433E-24	5.30038E-23	-0.33001	hypo	sig	chr17_49867636
chr11	1451977	1451977	+	1.436E-24	5.31195E-23	-0.26093	hypo	sig	chr11_1451977
chr17	42670479	42670479	+	1.437E-24	5.31265E-23	0.258564	hyper	sig	chr17_42670479
chr2	1.85E+08	184598158	+	1.437E-24	5.31578E-23	0.214277	hyper	sig	chr2_184598158
chr1	2032426	2032426	+	1.439E-24	5.31995E-23	-0.27691	hypo	sig	chr1_2032426
chr8	66432485	66432485	+	1.439E-24	5.32236E-23	0.294905	hyper	sig	chr8_66432485
chr11	85682787	85682787	+	1.443E-24	5.33398E-23	0.278997	hyper	sig	chr11_85682787
chr2	1.29E+08	128516764	+	1.444E-24	5.33895E-23	-0.2948	hypo	sig	chr2_128516764
chr3	1.47E+08	147378341	+	1.446E-24	5.34461E-23	0.218965	hyper	sig	chr3_147378341
chr19	17826733	17826733	+	1.447E-24	5.35016E-23	-0.26035	hypo	sig	chr19_17826733
chr5	1.73E+08	173244711	+	1.448E-24	5.35256E-23	0.327646	hyper	sig	chr5_173244711
chr21	26967525	26967525	+	1.449E-24	5.35476E-23	0.271561	hyper	sig	chr21_26967525
chr16	49277931	49277931	+	1.451E-24	5.36508E-23	0.275203	hyper	sig	chr16_49277931
chr19	53255268	53255268	+	1.455E-24	5.37676E-23	0.332107	hyper	sig	chr19_53255268
chr16	3184250	3184250	+	1.455E-24	5.37754E-23	0.323069	hyper	sig	chr16_3184250
chr11	40293829	40293829	+	1.461E-24	5.39839E-23	0.237352	hyper	sig	chr11_40293829
chr14	37602070	37602070	+	1.463E-24	5.40518E-23	0.224962	hyper	sig	chr14_37602070
chr4	5890583	5890583	+	1.464E-24	5.40921E-23	0.304304	hyper	sig	chr4_5890583
chr6	1E+08	100447583	+	1.465E-24	5.41406E-23	0.285903	hyper	sig	chr6_100447583
chr19	53521225	53521225	+	1.466E-24	5.41842E-23	0.258108	hyper	sig	chr19_53521225
chr3	1.47E+08	147392562	+	1.469E-24	5.42772E-23	0.282492	hyper	sig	chr3_147392562
chr16	89563012	89563012	+	1.47E-24	5.42992E-23	-0.35344	hypo	sig	chr16_89563012
chr8	98949536	98949536	+	1.47E-24	5.43182E-23	0.230639	hyper	sig	chr8_98949536
chr17	79007120	79007120	+	1.473E-24	5.44079E-23	-0.2088	hypo	sig	chr17_79007120
chr12	8018927	8018927	+	1.473E-24	5.44115E-23	0.200434	hyper	sig	chr12_8018927
chr5	88678619	88678619	+	1.474E-24	5.44311E-23	0.222393	hyper	sig	chr5_88678619

chr15	89360405	89360405	+	1.476E-24	5.45051E-23	0.284026	hyper	sig	chr15_89360405
chr20	43188460	43188460	+	1.476E-24	5.45075E-23	0.333683	hyper	sig	chr20_43188460
chr21	45448027	45448027	+	1.477E-24	5.454E-23	-0.29618	hypo	sig	chr21_45448027
chr3	5023509	5023509	+	1.479E-24	5.46237E-23	-0.32188	hypo	sig	chr3_5023509
chr14	28774079	28774079	+	1.48E-24	5.4664E-23	0.273032	hyper	sig	chr14_28774079
chr13	36155110	36155110	+	1.481E-24	5.46942E-23	0.30674	hyper	sig	chr13_36155110
chr8	70071540	70071540	+	1.482E-24	5.47361E-23	0.291328	hyper	sig	chr8_70071540
chr7	1.18E+08	118214635	+	1.485E-24	5.4843E-23	0.208352	hyper	sig	chr7_118214635
chr15	83651156	83651156	+	1.486E-24	5.48654E-23	-0.41334	hypo	sig	chr15_83651156
chr14	56795375	56795375	+	1.488E-24	5.49416E-23	0.253422	hyper	sig	chr14_56795375
chr11	90134651	90134651	+	1.489E-24	5.49569E-23	0.21448	hyper	sig	chr11_90134651
chr19	53520618	53520618	+	1.489E-24	5.49825E-23	0.250146	hyper	sig	chr19_53520618
chr6	1.37E+08	137492744	+	1.49E-24	5.50016E-23	0.317048	hyper	sig	chr6_137492744
chr10	43846520	43846520	+	1.491E-24	5.50361E-23	-0.29414	hypo	sig	chr10_43846520
chr7	32298672	32298672	+	1.497E-24	5.52632E-23	0.33038	hyper	sig	chr7_32298672
chr7	2079495	2079495	+	1.498E-24	5.52954E-23	-0.27571	hypo	sig	chr7_2079495
chr8	1.4E+08	140480019	+	1.501E-24	5.54149E-23	-0.29801	hypo	sig	chr8_140480019
chr2	1.71E+08	170823118	+	1.503E-24	5.54549E-23	0.297166	hyper	sig	chr2_170823118
chr10	99530447	99530447	+	1.506E-24	5.55907E-23	0.241789	hyper	sig	chr10_99530447
chr4	74364668	74364668	+	1.507E-24	5.56072E-23	0.287709	hyper	sig	chr4_74364668
chr3	68931388	68931388	+	1.512E-24	5.57975E-23	0.273704	hyper	sig	chr3_68931388
chr22	16602495	16602495	+	1.52E-24	5.60947E-23	0.313511	hyper	sig	chr22_16602495
chr14	36514268	36514268	+	1.526E-24	5.62853E-23	0.211387	hyper	sig	chr14_36514268
chr4	9503507	9503507	+	1.527E-24	5.63217E-23	-0.35566	hypo	sig	chr4_9503507
chr13	1.13E+08	112638450	+	1.528E-24	5.63717E-23	-0.29262	hypo	sig	chr13_112638450
chr9	62800250	62800250	+	1.53E-24	5.64403E-23	0.274707	hyper	sig	chr9_62800250
chr5	1859693	1859693	+	1.531E-24	5.64763E-23	-0.22208	hypo	sig	chr5_1859693
chr1	1.19E+08	118983497	+	1.533E-24	5.65312E-23	0.308771	hyper	sig	chr1_118983497
chr1	12549695	12549695	+	1.538E-24	5.67175E-23	-0.27024	hypo	sig	chr1_12549695
chr8	84183099	84183099	+	1.54E-24	5.68153E-23	0.296913	hyper	sig	chr8_84183099
chr4	1.76E+08	176001889	+	1.542E-24	5.68586E-23	0.216766	hyper	sig	chr4_176001889
chr1	1.47E+08	147072761	+	1.547E-24	5.70308E-23	0.301393	hyper	sig	chr1_147072761
chr12	1.15E+08	114735953	+	1.549E-24	5.71045E-23	0.306936	hyper	sig	chr12_114735953
chr8	1.43E+08	143417799	+	1.549E-24	5.71351E-23	-0.26915	hypo	sig	chr8_143417799
chr7	2567247	2567247	+	1.552E-24	5.72258E-23	0.313776	hyper	sig	chr7_2567247
chr12	1.27E+08	126727920	+	1.553E-24	5.72503E-23	0.222672	hyper	sig	chr12_126727920
chr15	1E+08	100349514	+	1.553E-24	5.72579E-23	-0.23475	hypo	sig	chr15_100349514
chr2	2.4E+08	239678260	+	1.553E-24	5.72695E-23	-0.23754	hypo	sig	chr2_239678260
chr7	90118964	90118964	+	1.557E-24	5.74091E-23	0.227359	hyper	sig	chr7_90118964
chr2	88765339	88765339	+	1.558E-24	5.74481E-23	0.268554	hyper	sig	chr2_88765339
chr10	25934103	25934103	+	1.56E-24	5.75025E-23	0.303554	hyper	sig	chr10_25934103
chr20	45097908	45097908	+	1.561E-24	5.75217E-23	0.239128	hyper	sig	chr20_45097908
chr8	64379125	64379125	+	1.562E-24	5.75865E-23	0.280089	hyper	sig	chr8_64379125
chr6	32058070	32058070	+	1.563E-24	5.76088E-23	-0.2678	hypo	sig	chr6_32058070
chr16	89202404	89202404	+	1.567E-24	5.77331E-23	0.243992	hyper	sig	chr16_89202404
chr18	75205208	75205208	+	1.573E-24	5.79583E-23	0.236065	hyper	sig	chr18_75205208
chr6	1E+08	100448963	+	1.573E-24	5.79665E-23	0.213799	hyper	sig	chr6_100448963
chr1	1.19E+08	119000390	+	1.574E-24	5.79766E-23	0.281661	hyper	sig	chr1_119000390
chr12	53936139	53936139	+	1.576E-24	5.8058E-23	0.332067	hyper	sig	chr12_53936139
chr5	63960411	63960411	+	1.576E-24	5.80806E-23	0.308824	hyper	sig	chr5_63960411
chr4	1.84E+08	184095937	+	1.579E-24	5.81757E-23	-0.27416	hypo	sig	chr4_184095937
chr1	1.44E+08	143904653	+	1.582E-24	5.82749E-23	0.265961	hyper	sig	chr1_143904653
chr9	1.19E+08	119369233	+	1.583E-24	5.82934E-23	0.282874	hyper	sig	chr9_119369233
chr19	58043164	58043164	+	1.584E-24	5.83546E-23	0.271616	hyper	sig	chr19_58043164
chr4	1.07E+08	107367625	+	1.588E-24	5.84965E-23	-0.24247	hypo	sig	chr4_107367625
chr17	78666001	78666001	+	1.593E-24	5.86705E-23	-0.31094	hypo	sig	chr17_78666001

chr1	44118840	44118840	+	1.597E-24	5.8824E-23	-0.28474	hypo	sig	chr1_44118840
chr17	74856369	74856369	+	1.599E-24	5.8901E-23	-0.27057	hypo	sig	chr17_74856369
chr15	79090746	79090746	+	1.601E-24	5.89656E-23	0.354064	hyper	sig	chr15_79090746
chr21	36696988	36696988	+	1.602E-24	5.89889E-23	0.289999	hyper	sig	chr21_36696988
chr13	1.13E+08	113110290	+	1.605E-24	5.90893E-23	0.344555	hyper	sig	chr13_113110290
chr16	697334	697334	+	1.605E-24	5.91025E-23	-0.24121	hypo	sig	chr16_697334
chr15	83379556	83379556	+	1.608E-24	5.92193E-23	0.234123	hyper	sig	chr15_83379556
chr20	49507645	49507645	+	1.611E-24	5.92923E-23	-0.31953	hypo	sig	chr20_49507645
chr4	13525101	13525101	+	1.612E-24	5.93297E-23	0.223715	hyper	sig	chr4_13525101
chr2	1.39E+08	138779559	+	1.616E-24	5.94761E-23	0.291302	hyper	sig	chr2_138779559
chr14	94773854	94773854	+	1.618E-24	5.9563E-23	0.366149	hyper	sig	chr14_94773854
chr20	38807015	38807015	+	1.619E-24	5.95742E-23	0.23021	hyper	sig	chr20_38807015
chr11	44310809	44310809	+	1.619E-24	5.9583E-23	0.288794	hyper	sig	chr11_44310809
chr7	1.02E+08	102440275	+	1.622E-24	5.97021E-23	-0.26414	hypo	sig	chr7_102440275
chr12	1.25E+08	124758506	+	1.629E-24	5.99388E-23	-0.26203	hypo	sig	chr12_124758506
chr15	96361683	96361683	+	1.629E-24	5.99395E-23	0.22396	hyper	sig	chr15_96361683
chr11	1.13E+08	113264734	+	1.631E-24	6.0001E-23	-0.26935	hypo	sig	chr11_113264734
chr14	97219386	97219386	+	1.634E-24	6.01332E-23	0.267653	hyper	sig	chr14_97219386
chr8	1.43E+08	142798695	+	1.639E-24	6.03071E-23	-0.2736	hypo	sig	chr8_142798695
chr4	386125	386125	+	1.641E-24	6.03733E-23	0.309465	hyper	sig	chr4_386125
chr8	11708101	11708101	+	1.642E-24	6.04045E-23	0.316702	hyper	sig	chr8_11708101
chr3	1.92E+08	192408902	+	1.644E-24	6.047E-23	0.26911	hyper	sig	chr3_192408902
chr1	6070736	6070736	+	1.644E-24	6.04709E-23	-0.26306	hypo	sig	chr1_6070736
chr1	2.28E+08	228006396	+	1.646E-24	6.05544E-23	0.240593	hyper	sig	chr1_228006396
chr10	15719193	15719193	+	1.647E-24	6.05753E-23	0.200351	hyper	sig	chr10_15719193
chr12	64390465	64390465	+	1.648E-24	6.06053E-23	0.213431	hyper	sig	chr12_64390465
chr17	78232137	78232137	+	1.65E-24	6.06936E-23	0.202562	hyper	sig	chr17_78232137
chr17	83063672	83063672	+	1.651E-24	6.07028E-23	-0.28965	hypo	sig	chr17_83063672
chr2	74415421	74415421	+	1.651E-24	6.07102E-23	0.295306	hyper	sig	chr2_74415421
chr17	80446341	80446341	+	1.652E-24	6.07446E-23	-0.25506	hypo	sig	chr17_80446341
chr2	73291576	73291576	+	1.653E-24	6.07763E-23	0.220852	hyper	sig	chr2_73291576
chr6	1.7E+08	170244276	+	1.656E-24	6.08824E-23	-0.22727	hypo	sig	chr6_170244276
chr11	1.23E+08	122977828	+	1.657E-24	6.09201E-23	0.262217	hyper	sig	chr11_122977828
chr6	29792313	29792313	+	1.666E-24	6.12622E-23	0.312859	hyper	sig	chr6_29792313
chr5	1.46E+08	146342990	+	1.669E-24	6.13682E-23	0.281817	hyper	sig	chr5_146342990
chr1	2.32E+08	232327842	+	1.67E-24	6.13745E-23	0.236053	hyper	sig	chr1_232327842
chr1	2E+08	200040388	+	1.681E-24	6.17722E-23	0.218446	hyper	sig	chr1_200040388
chr13	27927807	27927807	+	1.683E-24	6.18605E-23	0.310166	hyper	sig	chr13_27927807
chr5	88689820	88689820	+	1.684E-24	6.18909E-23	0.292327	hyper	sig	chr5_88689820
chr1	12063441	12063441	+	1.686E-24	6.19783E-23	0.205568	hyper	sig	chr1_12063441
chr19	22709101	22709101	+	1.688E-24	6.20234E-23	0.254356	hyper	sig	chr19_22709101
chr7	1.02E+08	102119353	+	1.691E-24	6.21395E-23	-0.30687	hypo	sig	chr7_102119353
chr6	1.01E+08	101399456	+	1.701E-24	6.25019E-23	0.255746	hyper	sig	chr6_101399456
chr16	561922	561922	+	1.701E-24	6.2503E-23	-0.27463	hypo	sig	chr16_561922
chr12	24563654	24563654	+	1.703E-24	6.2564E-23	0.215591	hyper	sig	chr12_24563654
chr19	11296143	11296143	+	1.711E-24	6.28465E-23	-0.25127	hypo	sig	chr19_11296143
chr2	55924103	55924103	+	1.711E-24	6.28623E-23	0.257536	hyper	sig	chr2_55924103
chr20	63007191	63007191	+	1.714E-24	6.29713E-23	0.269554	hyper	sig	chr20_63007191
chr2	44944693	44944693	+	1.716E-24	6.30216E-23	0.304481	hyper	sig	chr2_44944693
chr20	63319455	63319455	+	1.719E-24	6.3132E-23	-0.21671	hypo	sig	chr20_63319455
chr17	3901888	3901888	+	1.722E-24	6.32593E-23	-0.21796	hypo	sig	chr17_3901888
chr12	52233536	52233536	+	1.723E-24	6.32756E-23	0.295317	hyper	sig	chr12_52233536
chr17	35374343	35374343	+	1.726E-24	6.33711E-23	0.220794	hyper	sig	chr17_35374343
chr5	1.81E+08	181100565	+	1.73E-24	6.35279E-23	0.202687	hyper	sig	chr5_181100565
chr16	86504701	86504701	+	1.73E-24	6.35402E-23	0.246381	hyper	sig	chr16_86504701
chr16	77788851	77788851	+	1.734E-24	6.36869E-23	0.289852	hyper	sig	chr16_77788851

chr10	1.33E+08	132508907	+	1.735E-24	6.36921E-23	-0.24297	hypo	sig	chr10_132508907
chr3	1.85E+08	184583361	+	1.735E-24	6.37121E-23	0.312193	hyper	sig	chr3_184583361
chr12	1.06E+08	106140089	+	1.738E-24	6.38003E-23	0.240409	hyper	sig	chr12_106140089
chr12	1.19E+08	118980974	+	1.74E-24	6.38881E-23	0.285529	hyper	sig	chr12_118980974
chr6	1625367	1625367	+	1.741E-24	6.39022E-23	0.276975	hyper	sig	chr6_1625367
chr12	1.04E+08	104458369	+	1.742E-24	6.39469E-23	0.234647	hyper	sig	chr12_104458369
chr1	3651306	3651306	+	1.745E-24	6.40442E-23	0.230204	hyper	sig	chr1_3651306
chr5	1.41E+08	141234428	+	1.747E-24	6.41192E-23	0.254137	hyper	sig	chr5_141234428
chr9	1.33E+08	133475099	+	1.748E-24	6.41747E-23	-0.30894	hypo	sig	chr9_133475099
chr10	49679742	49679742	+	1.749E-24	6.418E-23	0.258312	hyper	sig	chr10_49679742
chr3	96815207	96815207	+	1.751E-24	6.42527E-23	0.200214	hyper	sig	chr3_96815207
chr11	78672877	78672877	+	1.759E-24	6.4539E-23	-0.34757	hypo	sig	chr11_78672877
chr3	26623291	26623291	+	1.761E-24	6.46124E-23	0.22023	hyper	sig	chr3_26623291
chr3	1.82E+08	181725221	+	1.775E-24	6.51481E-23	0.277976	hyper	sig	chr3_181725221
chr1	3243143	3243143	+	1.777E-24	6.52079E-23	-0.27312	hypo	sig	chr1_3243143
chr5	1.41E+08	141399853	+	1.783E-24	6.54063E-23	0.203765	hyper	sig	chr5_141399853
chr19	33684555	33684555	+	1.784E-24	6.54509E-23	0.202071	hyper	sig	chr19_33684555
chr2	1.76E+08	176112787	+	1.786E-24	6.55111E-23	0.254481	hyper	sig	chr2_176112787
chr3	62370696	62370696	+	1.786E-24	6.55196E-23	0.295919	hyper	sig	chr3_62370696
chr16	71429098	71429098	+	1.791E-24	6.568E-23	-0.2759	hypo	sig	chr16_71429098
chr4	1.07E+08	107036822	+	1.792E-24	6.57372E-23	0.213918	hyper	sig	chr4_107036822
chr19	22422366	22422366	+	1.797E-24	6.58818E-23	0.232302	hyper	sig	chr19_22422366
chr4	212493	212493	+	1.798E-24	6.59359E-23	0.228732	hyper	sig	chr4_212493
chr4	1.55E+08	155376961	+	1.801E-24	6.60314E-23	0.238138	hyper	sig	chr4_155376961
chr17	1575582	1575582	+	1.802E-24	6.60631E-23	-0.24304	hypo	sig	chr17_1575582
chr2	44959006	44959006	+	1.807E-24	6.62408E-23	-0.31661	hypo	sig	chr2_44959006
chr13	78607197	78607197	+	1.811E-24	6.639E-23	0.23147	hyper	sig	chr13_78607197
chr5	38557479	38557479	+	1.814E-24	6.64977E-23	0.234551	hyper	sig	chr5_38557479
chr13	93228701	93228701	+	1.819E-24	6.66665E-23	0.245336	hyper	sig	chr13_93228701
chr7	20776566	20776566	+	1.823E-24	6.68191E-23	0.254558	hyper	sig	chr7_20776566
chr1	3651240	3651240	+	1.826E-24	6.69041E-23	0.206041	hyper	sig	chr1_3651240
chr15	45704500	45704500	+	1.826E-24	6.69121E-23	0.245521	hyper	sig	chr15_45704500
chr1	3236757	3236757	+	1.833E-24	6.71793E-23	-0.25993	hypo	sig	chr1_3236757
chr3	1.54E+08	154428609	+	1.834E-24	6.7215E-23	0.293804	hyper	sig	chr3_154428609
chr17	39917896	39917896	+	1.836E-24	6.7272E-23	-0.23583	hypo	sig	chr17_39917896
chr14	41605287	41605287	+	1.841E-24	6.7456E-23	0.252483	hyper	sig	chr14_41605287
chr7	2662168	2662168	+	1.842E-24	6.7492E-23	-0.24031	hypo	sig	chr7_2662168
chr10	1.01E+08	101139563	+	1.843E-24	6.75269E-23	0.233999	hyper	sig	chr10_101139563
chr10	93060286	93060286	+	1.844E-24	6.75581E-23	0.233875	hyper	sig	chr10_93060286
chr6	1.66E+08	165819640	+	1.848E-24	6.76841E-23	0.268165	hyper	sig	chr6_165819640
chr10	8037308	8037308	+	1.852E-24	6.78386E-23	0.224554	hyper	sig	chr10_8037308
chr15	78751891	78751891	+	1.855E-24	6.79477E-23	-0.2354	hypo	sig	chr15_78751891
chr2	2.38E+08	238404059	+	1.856E-24	6.79599E-23	0.217082	hyper	sig	chr2_238404059
chr7	97018128	97018128	+	1.856E-24	6.796E-23	0.274227	hyper	sig	chr7_97018128
chr10	23192665	23192665	+	1.858E-24	6.80449E-23	0.291273	hyper	sig	chr10_23192665
chr14	56795504	56795504	+	1.86E-24	6.8097E-23	0.306297	hyper	sig	chr14_56795504
chr21	46325733	46325733	+	1.861E-24	6.81588E-23	-0.25974	hypo	sig	chr21_46325733
chr15	82952199	82952199	+	1.862E-24	6.81686E-23	0.210524	hyper	sig	chr15_82952199
chr14	1.01E+08	101065280	+	1.863E-24	6.82022E-23	-0.21077	hypo	sig	chr14_101065280
chr6	1.7E+08	170224824	+	1.864E-24	6.82559E-23	-0.2569	hypo	sig	chr6_170224824
chr10	3127108	3127108	+	1.875E-24	6.86374E-23	-0.22759	hypo	sig	chr10_3127108
chr3	50322547	50322547	+	1.875E-24	6.86536E-23	-0.23395	hypo	sig	chr3_50322547
chr4	1.11E+08	110628793	+	1.877E-24	6.87236E-23	0.305279	hyper	sig	chr4_110628793
chr4	1.45E+08	144645351	+	1.885E-24	6.89803E-23	0.253478	hyper	sig	chr4_144645351
chr5	2642340	2642340	+	1.888E-24	6.91007E-23	-0.28583	hypo	sig	chr5_2642340
chr7	92608653	92608653	+	1.888E-24	6.91106E-23	-0.32709	hypo	sig	chr7_92608653

chr1	1.11E+08	111271118	+	1.893E-24	6.92782E-23	0.263471	hyper	sig	chr1_111271118
chr2	5691062	5691062	+	1.896E-24	6.93924E-23	0.239266	hyper	sig	chr2_5691062
chr3	1.39E+08	138936933	+	1.898E-24	6.94605E-23	0.205286	hyper	sig	chr3_138936933
chr7	64192511	64192511	+	1.9E-24	6.9531E-23	-0.2141	hypo	sig	chr7_64192511
chr11	1.33E+08	132946908	+	1.903E-24	6.96195E-23	-0.33079	hypo	sig	chr11_132946908
chr13	36430716	36430716	+	1.913E-24	6.99914E-23	0.253752	hyper	sig	chr13_36430716
chr3	1.82E+08	181726638	+	1.916E-24	7.00936E-23	0.228736	hyper	sig	chr3_181726638
chr7	2904561	2904561	+	1.93E-24	7.06049E-23	-0.27422	hypo	sig	chr7_2904561
chr8	24915000	24915000	+	1.931E-24	7.06153E-23	0.264663	hyper	sig	chr8_24915000
chr13	53200981	53200981	+	1.938E-24	7.087E-23	0.250933	hyper	sig	chr13_53200981
chr8	10731550	10731550	+	1.938E-24	7.08725E-23	0.25637	hyper	sig	chr8_10731550
chr17	15917785	15917785	+	1.939E-24	7.09039E-23	0.368728	hyper	sig	chr17_15917785
chr14	85534750	85534750	+	1.943E-24	7.10415E-23	0.262169	hyper	sig	chr14_85534750
chr19	44904717	44904717	+	1.95E-24	7.12944E-23	-0.21107	hypo	sig	chr19_44904717
chr21	33023070	33023070	+	1.959E-24	7.16209E-23	0.306825	hyper	sig	chr21_33023070
chr12	1.24E+08	123913360	+	1.959E-24	7.16321E-23	-0.2259	hypo	sig	chr12_123913360
chr10	1.32E+08	132373370	+	1.963E-24	7.17822E-23	-0.23735	hypo	sig	chr10_132373370
chr13	50133289	50133289	+	1.969E-24	7.19809E-23	0.223971	hyper	sig	chr13_50133289
chr1	18632835	18632835	+	1.975E-24	7.21915E-23	0.220017	hyper	sig	chr1_18632835
chr5	7983530	7983530	+	1.986E-24	7.26081E-23	-0.28984	hypo	sig	chr5_7983530
chr5	1.77E+08	177116947	+	1.991E-24	7.27711E-23	0.233564	hyper	sig	chr5_177116947
chr15	79090783	79090783	+	1.992E-24	7.28092E-23	0.330147	hyper	sig	chr15_79090783
chr2	66425872	66425872	+	1.995E-24	7.29209E-23	0.227719	hyper	sig	chr2_66425872
chr4	3649805	3649805	+	2.006E-24	7.33153E-23	-0.2561	hypo	sig	chr4_3649805
chr1	1.81E+08	181483851	+	2.008E-24	7.33704E-23	0.295898	hyper	sig	chr1_181483851
chr1	1.72E+08	171841198	+	2.008E-24	7.33822E-23	0.266134	hyper	sig	chr1_171841198
chr10	62820600	62820600	+	2.011E-24	7.34838E-23	-0.26462	hypo	sig	chr10_62820600
chr2	5692907	5692907	+	2.012E-24	7.35009E-23	0.25412	hyper	sig	chr2_5692907
chr13	52847503	52847503	+	2.012E-24	7.35071E-23	0.308899	hyper	sig	chr13_52847503
chr4	386535	386535	+	2.013E-24	7.35448E-23	0.277408	hyper	sig	chr4_386535
chr5	1.41E+08	141343783	+	2.016E-24	7.3642E-23	0.253583	hyper	sig	chr5_141343783
chr14	1.04E+08	104180104	+	2.019E-24	7.37405E-23	-0.26195	hypo	sig	chr14_104180104
chr5	430354	430354	+	2.029E-24	7.41312E-23	-0.26288	hypo	sig	chr5_430354
chr9	88990978	88990978	+	2.036E-24	7.43758E-23	0.304801	hyper	sig	chr9_88990978
chr17	58156802	58156802	+	2.038E-24	7.44181E-23	0.267607	hyper	sig	chr17_58156802
chr11	31804873	31804873	+	2.04E-24	7.44966E-23	0.234009	hyper	sig	chr11_31804873
chr13	27793119	27793119	+	2.042E-24	7.45758E-23	0.385138	hyper	sig	chr13_27793119
chr11	32433898	32433898	+	2.043E-24	7.46096E-23	0.280633	hyper	sig	chr11_32433898
chr6	41638748	41638748	+	2.048E-24	7.47703E-23	0.21753	hyper	sig	chr6_41638748
chr3	1.39E+08	138939780	+	2.049E-24	7.48114E-23	0.220896	hyper	sig	chr3_138939780
chr15	25678526	25678526	+	2.051E-24	7.48862E-23	-0.23962	hypo	sig	chr15_25678526
chr7	19773279	19773279	+	2.059E-24	7.51665E-23	0.293485	hyper	sig	chr7_19773279
chr7	96992928	96992928	+	2.06E-24	7.52039E-23	0.284462	hyper	sig	chr7_96992928
chr2	2.39E+08	239081769	+	2.063E-24	7.5327E-23	0.29368	hyper	sig	chr2_239081769
chr13	24764081	24764081	+	2.064E-24	7.53292E-23	-0.30473	hypo	sig	chr13_24764081
chr2	2.06E+08	205686742	+	2.074E-24	7.57151E-23	0.260348	hyper	sig	chr2_205686742
chr10	1.28E+08	127737629	+	2.075E-24	7.57258E-23	0.241374	hyper	sig	chr10_127737629
chr12	1.31E+08	131105858	+	2.077E-24	7.57851E-23	-0.20619	hypo	sig	chr12_131105858
chr17	35487800	35487800	+	2.079E-24	7.58673E-23	0.203265	hyper	sig	chr17_35487800
chr9	34809607	34809607	+	2.084E-24	7.60565E-23	0.255866	hyper	sig	chr9_34809607
chr8	26048062	26048062	+	2.09E-24	7.62566E-23	0.260576	hyper	sig	chr8_26048062
chr5	1.78E+08	177984721	+	2.093E-24	7.63648E-23	0.28472	hyper	sig	chr5_177984721
chr8	1.43E+08	142741152	+	2.094E-24	7.63839E-23	-0.20813	hypo	sig	chr8_142741152
chr7	23490921	23490921	+	2.094E-24	7.63868E-23	0.226417	hyper	sig	chr7_23490921
chr8	41785891	41785891	+	2.1E-24	7.66069E-23	-0.24273	hypo	sig	chr8_41785891
chr5	83471761	83471761	+	2.104E-24	7.67331E-23	0.204812	hyper	sig	chr5_83471761

chr13	94705578	94705578	+	2.104E-24	7.67359E-23	0.229039	hyper	sig	chr13_94705578
chr11	61258343	61258343	+	2.108E-24	7.68793E-23	-0.22476	hypo	sig	chr11_61258343
chr9	10613409	10613409	+	2.117E-24	7.71931E-23	0.228897	hyper	sig	chr9_10613409
chr6	30172376	30172376	+	2.118E-24	7.72537E-23	0.256547	hyper	sig	chr6_30172376
chr11	1048585	1048585	+	2.123E-24	7.74087E-23	-0.2284	hypo	sig	chr11_1048585
chr6	28447302	28447302	+	2.125E-24	7.74792E-23	0.306395	hyper	sig	chr6_28447302
chr12	54055129	54055129	+	2.127E-24	7.75615E-23	0.318392	hyper	sig	chr12_54055129
chr19	50716718	50716718	+	2.127E-24	7.75615E-23	-0.24397	hypo	sig	chr19_50716718
chr10	1.01E+08	101218243	+	2.128E-24	7.75774E-23	0.265271	hyper	sig	chr10_101218243
chr2	29064987	29064987	+	2.128E-24	7.75774E-23	-0.24165	hypo	sig	chr2_29064987
chr6	50845926	50845926	+	2.132E-24	7.77324E-23	0.309976	hyper	sig	chr6_50845926
chr8	64373714	64373714	+	2.133E-24	7.77645E-23	0.30955	hyper	sig	chr8_64373714
chr5	50969933	50969933	+	2.141E-24	7.80558E-23	0.221016	hyper	sig	chr5_50969933
chr5	1.41E+08	141362463	+	2.141E-24	7.80558E-23	0.258364	hyper	sig	chr5_141362463
chr20	59011343	59011343	+	2.148E-24	7.82809E-23	-0.25942	hypo	sig	chr20_59011343
chr8	1.17E+08	116938252	+	2.149E-24	7.83121E-23	0.259687	hyper	sig	chr8_116938252
chr6	84763228	84763228	+	2.15E-24	7.83488E-23	0.219648	hyper	sig	chr6_84763228
chr1	2079705	2079705	+	2.152E-24	7.84224E-23	0.245003	hyper	sig	chr1_2079705
chr16	49278165	49278165	+	2.161E-24	7.87498E-23	0.259447	hyper	sig	chr16_49278165
chr18	47249109	47249109	+	2.165E-24	7.88791E-23	0.25969	hyper	sig	chr18_47249109
chr1	2E+08	200036126	+	2.17E-24	7.90373E-23	0.302169	hyper	sig	chr1_200036126
chr2	2.42E+08	241891497	+	2.17E-24	7.90373E-23	-0.28199	hypo	sig	chr2_241891497
chr2	5696614	5696614	+	2.178E-24	7.93421E-23	0.330218	hyper	sig	chr2_5696614
chr20	3244694	3244694	+	2.185E-24	7.95777E-23	-0.3149	hypo	sig	chr20_3244694
chr10	1.32E+08	132144154	+	2.191E-24	7.97927E-23	-0.25217	hypo	sig	chr10_132144154
chr1	6276584	6276584	+	2.201E-24	8.01433E-23	0.255865	hyper	sig	chr1_6276584
chr11	22432584	22432584	+	2.201E-24	8.01433E-23	0.250544	hyper	sig	chr11_22432584
chr14	99246032	99246032	+	2.205E-24	8.02837E-23	0.271044	hyper	sig	chr14_99246032
chr12	64390688	64390688	+	2.208E-24	8.03853E-23	0.233844	hyper	sig	chr12_64390688
chr5	1.81E+08	180609346	+	2.211E-24	8.04923E-23	-0.24569	hypo	sig	chr5_180609346
chr2	2.38E+08	238404074	+	2.212E-24	8.05054E-23	0.223334	hyper	sig	chr2_238404074
chr11	40293845	40293845	+	2.214E-24	8.05833E-23	0.242932	hyper	sig	chr11_40293845
chr4	1.17E+08	116925932	+	2.214E-24	8.05835E-23	0.270216	hyper	sig	chr4_116925932
chr1	75127908	75127908	+	2.22E-24	8.081E-23	0.221104	hyper	sig	chr1_75127908
chr12	1.14E+08	114414549	+	2.224E-24	8.09188E-23	0.2545	hyper	sig	chr12_114414549
chr15	76979314	76979314	+	2.224E-24	8.09349E-23	-0.24508	hypo	sig	chr15_76979314
chr6	98844433	98844433	+	2.227E-24	8.10305E-23	0.25757	hyper	sig	chr6_98844433
chr3	10142878	10142878	+	2.242E-24	8.15715E-23	-0.27624	hypo	sig	chr3_10142878
chr16	88316245	88316245	+	2.245E-24	8.16798E-23	-0.22731	hypo	sig	chr16_88316245
chr15	83283830	83283830	+	2.245E-24	8.16905E-23	0.277212	hyper	sig	chr15_83283830
chr2	2.22E+08	222302829	+	2.247E-24	8.17337E-23	0.235302	hyper	sig	chr2_222302829
chr14	99319889	99319889	+	2.249E-24	8.18176E-23	-0.32282	hypo	sig	chr14_99319889
chr3	1.58E+08	158095521	+	2.25E-24	8.18466E-23	0.2676	hyper	sig	chr3_158095521
chr1	36109194	36109194	+	2.255E-24	8.20392E-23	-0.28131	hypo	sig	chr1_36109194
chr1	2E+08	200038898	+	2.256E-24	8.20515E-23	0.250111	hyper	sig	chr1_200038898
chr1	3651221	3651221	+	2.258E-24	8.2121E-23	0.211262	hyper	sig	chr1_3651221
chr3	27731343	27731343	+	2.259E-24	8.21743E-23	0.299446	hyper	sig	chr3_27731343
chr11	1.25E+08	125167388	+	2.261E-24	8.22176E-23	0.207695	hyper	sig	chr11_125167388
chr1	12170464	12170464	+	2.262E-24	8.22558E-23	-0.21353	hypo	sig	chr1_12170464
chr2	1.71E+08	170820394	+	2.262E-24	8.22558E-23	0.219401	hyper	sig	chr2_170820394
chr3	1.93E+08	192727149	+	2.264E-24	8.23428E-23	0.231718	hyper	sig	chr3_192727149
chr12	70920535	70920535	+	2.267E-24	8.24495E-23	0.261806	hyper	sig	chr12_70920535
chr2	2.08E+08	208407161	+	2.269E-24	8.24875E-23	0.222322	hyper	sig	chr2_208407161
chr16	87457962	87457962	+	2.271E-24	8.25741E-23	-0.23329	hypo	sig	chr16_87457962
chr5	51382617	51382617	+	2.275E-24	8.27084E-23	0.246316	hyper	sig	chr5_51382617
chr13	35471033	35471033	+	2.279E-24	8.28602E-23	0.217546	hyper	sig	chr13_35471033

chr20	60970969	60970969	+	2.281E-24	8.29291E-23	-0.27385	hypo	sig	chr20_60970969
chr8	49910694	49910694	+	2.288E-24	8.31809E-23	0.224923	hyper	sig	chr8_49910694
chr19	2213924	2213924	+	2.292E-24	8.33028E-23	0.251113	hyper	sig	chr19_2213924
chr18	78977610	78977610	+	2.292E-24	8.33145E-23	0.33098	hyper	sig	chr18_78977610
chr17	79183631	79183631	+	2.296E-24	8.34292E-23	0.200909	hyper	sig	chr17_79183631
chr5	1.23E+08	123093795	+	2.299E-24	8.35369E-23	0.208324	hyper	sig	chr5_123093795
chr13	57629464	57629464	+	2.299E-24	8.3564E-23	0.284234	hyper	sig	chr13_57629464
chr16	89919745	89919745	+	2.306E-24	8.38018E-23	0.266793	hyper	sig	chr16_89919745
chr19	55364237	55364237	+	2.307E-24	8.38112E-23	-0.24709	hypo	sig	chr19_55364237
chr1	20724033	20724033	+	2.309E-24	8.39021E-23	-0.32684	hypo	sig	chr1_20724033
chr7	2700664	2700664	+	2.314E-24	8.40704E-23	-0.29285	hypo	sig	chr7_2700664
chr1	94540875	94540875	+	2.315E-24	8.40852E-23	-0.22077	hypo	sig	chr1_94540875
chr14	36513528	36513528	+	2.315E-24	8.40889E-23	0.261534	hyper	sig	chr14_36513528
chr19	11538289	11538289	+	2.32E-24	8.42597E-23	-0.27829	hypo	sig	chr19_11538289
chr6	1.63E+08	163300843	+	2.322E-24	8.43513E-23	-0.23335	hypo	sig	chr6_163300843
chr19	1429697	1429697	+	2.325E-24	8.44596E-23	-0.22635	hypo	sig	chr19_1429697
chr3	1.47E+08	147411002	+	2.325E-24	8.44596E-23	0.229182	hyper	sig	chr3_147411002
chr3	47009261	47009261	+	2.329E-24	8.45803E-23	0.348826	hyper	sig	chr3_47009261
chr7	1.59E+08	158995455	+	2.329E-24	8.45935E-23	-0.30314	hypo	sig	chr7_158995455
chr1	1.19E+08	118979549	+	2.334E-24	8.47488E-23	0.278533	hyper	sig	chr1_118979549
chr13	24932131	24932131	+	2.335E-24	8.47749E-23	0.242473	hyper	sig	chr13_24932131
chr4	1.13E+08	112520452	+	2.336E-24	8.48011E-23	0.207228	hyper	sig	chr4_112520452
chr1	1.77E+08	177171499	+	2.336E-24	8.4825E-23	0.258298	hyper	sig	chr1_177171499
chr13	57629894	57629894	+	2.345E-24	8.51513E-23	0.254499	hyper	sig	chr13_57629894
chr6	1.66E+08	165819618	+	2.351E-24	8.53403E-23	0.258606	hyper	sig	chr6_165819618
chr5	88660030	88660030	+	2.355E-24	8.54811E-23	0.270598	hyper	sig	chr5_88660030
chr7	71133346	71133346	+	2.357E-24	8.55516E-23	0.302953	hyper	sig	chr7_71133346
chr4	1.22E+08	121765537	+	2.357E-24	8.55571E-23	0.284573	hyper	sig	chr4_121765537
chr17	1203879	1203879	+	2.357E-24	8.55615E-23	0.324524	hyper	sig	chr17_1203879
chr13	78607478	78607478	+	2.36E-24	8.56461E-23	0.26492	hyper	sig	chr13_78607478
chr20	62809618	62809618	+	2.363E-24	8.57496E-23	0.204708	hyper	sig	chr20_62809618
chr4	52077055	52077055	+	2.364E-24	8.57959E-23	0.258969	hyper	sig	chr4_52077055
chr16	56190683	56190683	+	2.365E-24	8.58216E-23	0.248537	hyper	sig	chr16_56190683
chr7	561827	561827	+	2.365E-24	8.58335E-23	0.283418	hyper	sig	chr7_561827
chr1	75128322	75128322	+	2.376E-24	8.62236E-23	0.301008	hyper	sig	chr1_75128322
chr22	46085011	46085011	+	2.376E-24	8.62236E-23	-0.3011	hypo	sig	chr22_46085011
chr10	1.32E+08	132294896	+	2.384E-24	8.65038E-23	-0.20584	hypo	sig	chr10_132294896
chr5	1.16E+08	115962260	+	2.388E-24	8.6628E-23	0.356606	hyper	sig	chr5_115962260
chr5	1.77E+08	177117012	+	2.39E-24	8.66868E-23	0.232431	hyper	sig	chr5_177117012
chr5	3607005	3607005	+	2.39E-24	8.67033E-23	0.254067	hyper	sig	chr5_3607005
chr16	30445001	30445001	+	2.395E-24	8.68829E-23	-0.20905	hypo	sig	chr16_30445001
chr19	22010529	22010529	+	2.396E-24	8.68966E-23	0.272241	hyper	sig	chr19_22010529
chr2	1.54E+08	153871592	+	2.399E-24	8.70144E-23	0.25342	hyper	sig	chr2_153871592
chr7	1.57E+08	157302543	+	2.403E-24	8.71531E-23	-0.2091	hypo	sig	chr7_157302543
chr14	1.01E+08	101061819	+	2.415E-24	8.75859E-23	-0.21898	hypo	sig	chr14_101061819
chr13	78596824	78596824	+	2.42E-24	8.77565E-23	0.25489	hyper	sig	chr13_78596824
chr11	94401041	94401041	+	2.43E-24	8.80919E-23	0.262033	hyper	sig	chr11_94401041
chr7	1928029	1928029	+	2.433E-24	8.81978E-23	0.221304	hyper	sig	chr7_1928029
chr5	1.41E+08	141419976	+	2.436E-24	8.83239E-23	0.241767	hyper	sig	chr5_141419976
chr7	19107473	19107473	+	2.439E-24	8.84026E-23	0.215154	hyper	sig	chr7_19107473
chr20	25083657	25083657	+	2.443E-24	8.85721E-23	0.279879	hyper	sig	chr20_25083657
chr8	1.04E+08	104467055	+	2.445E-24	8.86159E-23	0.24365	hyper	sig	chr8_104467055
chr8	66961207	66961207	+	2.446E-24	8.86458E-23	0.204564	hyper	sig	chr8_66961207
chr8	1.01E+08	100900097	+	2.448E-24	8.87204E-23	-0.24578	hypo	sig	chr8_100900097
chr3	49901256	49901256	+	2.453E-24	8.89091E-23	-0.28585	hypo	sig	chr3_49901256
chr8	23710035	23710035	+	2.456E-24	8.90008E-23	0.238634	hyper	sig	chr8_23710035

chr19	18233091	18233091	+	2.456E-24	8.90042E-23	0.316583	hyper	sig	chr19_18233091
chr6	1E+08	100464015	+	2.459E-24	8.91193E-23	0.242426	hyper	sig	chr6_100464015
chr19	37251862	37251862	+	2.46E-24	8.91261E-23	0.295272	hyper	sig	chr19_37251862
chr22	35542354	35542354	+	2.463E-24	8.92546E-23	-0.25888	hypo	sig	chr22_35542354
chr19	52453575	52453575	+	2.465E-24	8.93067E-23	0.244256	hyper	sig	chr19_52453575
chr3	10993400	10993400	+	2.467E-24	8.93882E-23	0.230096	hyper	sig	chr3_10993400
chr1	50425547	50425547	+	2.473E-24	8.95882E-23	0.278169	hyper	sig	chr1_50425547
chr6	10887439	10887439	+	2.475E-24	8.96552E-23	0.306954	hyper	sig	chr6_10887439
chr17	17352396	17352396	+	2.475E-24	8.96622E-23	-0.26416	hypo	sig	chr17_17352396
chr18	57428353	57428353	+	2.476E-24	8.96973E-23	0.302577	hyper	sig	chr18_57428353
chr5	1.35E+08	135030579	+	2.48E-24	8.98287E-23	0.252925	hyper	sig	chr5_135030579
chr12	45050029	45050029	+	2.481E-24	8.98595E-23	0.244448	hyper	sig	chr12_45050029
chr3	1.58E+08	158094229	+	2.491E-24	9.02272E-23	0.254569	hyper	sig	chr3_158094229
chr14	56797533	56797533	+	2.505E-24	9.07366E-23	0.204686	hyper	sig	chr14_56797533
chr7	49775049	49775049	+	2.506E-24	9.07537E-23	0.207534	hyper	sig	chr7_49775049
chr8	23710428	23710428	+	2.511E-24	9.09542E-23	0.25587	hyper	sig	chr8_23710428
chr11	1.12E+08	111540351	+	2.537E-24	9.18804E-23	0.275244	hyper	sig	chr11_111540351
chr12	54000193	54000193	+	2.538E-24	9.18821E-23	0.22538	hyper	sig	chr12_54000193
chr6	1.66E+08	166478162	+	2.538E-24	9.18821E-23	-0.29869	hypo	sig	chr6_166478162
chr5	1.73E+08	173233891	+	2.542E-24	9.20327E-23	0.218701	hyper	sig	chr5_173233891
chr3	1.8E+08	180036427	+	2.552E-24	9.241E-23	0.294944	hyper	sig	chr3_180036427
chr12	54047630	54047630	+	2.562E-24	9.27424E-23	0.315887	hyper	sig	chr12_54047630
chr2	2.39E+08	238965986	+	2.576E-24	9.32413E-23	-0.30766	hypo	sig	chr2_238965986
chr2	1.05E+08	105399722	+	2.577E-24	9.3289E-23	-0.21168	hypo	sig	chr2_105399722
chr22	23096298	23096298	+	2.58E-24	9.33701E-23	-0.20936	hypo	sig	chr22_23096298
chr19	41933096	41933096	+	2.584E-24	9.35429E-23	-0.33704	hypo	sig	chr19_41933096
chr12	1.32E+08	132452077	+	2.587E-24	9.36213E-23	-0.2318	hypo	sig	chr12_132452077
chr22	50605356	50605356	+	2.604E-24	9.42469E-23	-0.25231	hypo	sig	chr22_50605356
chr6	84773228	84773228	+	2.606E-24	9.42965E-23	0.240707	hyper	sig	chr6_84773228
chr15	74133183	74133183	+	2.61E-24	9.44522E-23	0.326206	hyper	sig	chr15_74133183
chr20	38674348	38674348	+	2.611E-24	9.44872E-23	0.263703	hyper	sig	chr20_38674348
chr7	1.57E+08	157302532	+	2.615E-24	9.45979E-23	-0.2602	hypo	sig	chr7_157302532
chr2	86789136	86789136	+	2.622E-24	9.48473E-23	0.290788	hyper	sig	chr2_86789136
chr7	1.55E+08	155450172	+	2.629E-24	9.50868E-23	0.228326	hyper	sig	chr7_155450172
chr4	1.33E+08	133151649	+	2.631E-24	9.51577E-23	0.253473	hyper	sig	chr4_133151649
chr17	80792148	80792148	+	2.638E-24	9.54275E-23	-0.27898	hypo	sig	chr17_80792148
chr19	18007993	18007993	+	2.642E-24	9.55501E-23	0.210942	hyper	sig	chr19_18007993
chr5	1.79E+08	179265787	+	2.643E-24	9.55723E-23	0.256786	hyper	sig	chr5_179265787
chr17	68198911	68198911	+	2.643E-24	9.55924E-23	0.254804	hyper	sig	chr17_68198911
chr12	51864480	51864480	+	2.646E-24	9.56866E-23	0.269801	hyper	sig	chr12_51864480
chr11	1.34E+08	133788181	+	2.65E-24	9.58217E-23	0.262923	hyper	sig	chr11_133788181
chr18	52342094	52342094	+	2.653E-24	9.59191E-23	0.226506	hyper	sig	chr18_52342094
chr12	1.33E+08	132904995	+	2.658E-24	9.61217E-23	0.291096	hyper	sig	chr12_132904995
chr1	3229116	3229116	+	2.659E-24	9.61556E-23	-0.2593	hypo	sig	chr1_3229116
chr2	1.32E+08	131830031	+	2.664E-24	9.63129E-23	0.239385	hyper	sig	chr2_131830031
chr17	847578	847578	+	2.669E-24	9.65004E-23	-0.23157	hypo	sig	chr17_847578
chr6	30952346	30952346	+	2.67E-24	9.65234E-23	-0.27792	hypo	sig	chr6_30952346
chr2	86790316	86790316	+	2.681E-24	9.69078E-23	0.247155	hyper	sig	chr2_86790316
chr1	65792139	65792139	+	2.69E-24	9.72393E-23	0.206381	hyper	sig	chr1_65792139
chr12	1.04E+08	104458163	+	2.691E-24	9.72768E-23	0.218464	hyper	sig	chr12_104458163
chr10	25933914	25933914	+	2.692E-24	9.73007E-23	0.250623	hyper	sig	chr10_25933914
chr6	1.01E+08	101399461	+	2.698E-24	9.75238E-23	0.250289	hyper	sig	chr6_101399461
chr5	44388960	44388960	+	2.699E-24	9.75504E-23	0.272535	hyper	sig	chr5_44388960
chr13	1.1E+08	110309485	+	2.708E-24	9.78616E-23	0.243571	hyper	sig	chr13_110309485
chr16	759423	759423	+	2.708E-24	9.78616E-23	-0.21631	hypo	sig	chr16_759423
chr17	79986027	79986027	+	2.709E-24	9.79022E-23	-0.25846	hypo	sig	chr17_79986027

chr13	1.12E+08	112252499	+	2.71E-24	9.79187E-23	-0.28387	hypo	sig	chr13_112252499
chr3	44022287	44022287	+	2.72E-24	9.82894E-23	0.232152	hyper	sig	chr3_44022287
chr11	1.2E+08	119725394	+	2.722E-24	9.83431E-23	-0.22148	hypo	sig	chr11_119725394
chr2	96527399	96527399	+	2.722E-24	9.8344E-23	0.294382	hyper	sig	chr2_96527399
chr5	71719717	71719717	+	2.725E-24	9.84611E-23	0.321007	hyper	sig	chr5_71719717
chr7	1.5E+08	150047447	+	2.726E-24	9.84751E-23	0.273407	hyper	sig	chr7_150047447
chr7	56229910	56229910	+	2.729E-24	9.85662E-23	0.2597	hyper	sig	chr7_56229910
chr8	23705627	23705627	+	2.734E-24	9.87672E-23	0.276596	hyper	sig	chr8_23705627
chr6	27680567	27680567	+	2.74E-24	9.89789E-23	0.24785	hyper	sig	chr6_27680567
chr6	84764595	84764595	+	2.741E-24	9.90175E-23	0.200702	hyper	sig	chr6_84764595
chr2	1793955	1793955	+	2.743E-24	9.90697E-23	-0.20133	hypo	sig	chr2_1793955
chr5	1.77E+08	177116944	+	2.744E-24	9.9104E-23	0.232705	hyper	sig	chr5_177116944
chr4	3666010	3666010	+	2.746E-24	9.91514E-23	-0.28402	hypo	sig	chr4_3666010
chr10	1.28E+08	128214701	+	2.75E-24	9.93233E-23	-0.28868	hypo	sig	chr10_128214701
chr12	52849629	52849629	+	2.754E-24	9.94516E-23	-0.26477	hypo	sig	chr12_52849629
chr11	1026000	1026000	+	2.757E-24	9.95479E-23	-0.26402	hypo	sig	chr11_1026000
chr8	8891282	8891282	+	2.757E-24	9.95479E-23	0.213928	hyper	sig	chr8_8891282
chr20	45097916	45097916	+	2.763E-24	9.97531E-23	0.232769	hyper	sig	chr20_45097916
chr1	1.53E+08	152804906	+	2.763E-24	9.97613E-23	-0.24584	hypo	sig	chr1_152804906
chr10	62818377	62818377	+	2.763E-24	9.9768E-23	0.212724	hyper	sig	chr10_62818377
chr6	10390557	10390557	+	2.765E-24	9.98012E-23	0.277543	hyper	sig	chr6_10390557
chr4	1.9E+08	190020519	+	2.769E-24	9.99557E-23	0.280881	hyper	sig	chr4_190020519
chr7	35254849	35254849	+	2.769E-24	9.99577E-23	0.296612	hyper	sig	chr7_35254849
chr13	78607193	78607193	+	2.77E-24	9.99854E-23	0.241083	hyper	sig	chr13_78607193
chr16	85697683	85697683	+	2.771E-24	1.00018E-22	-0.25084	hypo	sig	chr16_85697683
chr10	81875631	81875631	+	2.772E-24	1.00036E-22	0.209069	hyper	sig	chr10_81875631
chr11	1.14E+08	114076383	+	2.775E-24	1.00157E-22	-0.2365	hypo	sig	chr11_114076383
chr18	14145898	14145898	+	2.781E-24	1.00366E-22	-0.28239	hypo	sig	chr18_14145898
chr18	8366878	8366878	+	2.788E-24	1.0061E-22	-0.31889	hypo	sig	chr18_8366878
chr16	561418	561418	+	2.798E-24	1.0096E-22	-0.31791	hypo	sig	chr16_561418
chr8	64379644	64379644	+	2.798E-24	1.00963E-22	0.238885	hyper	sig	chr8_64379644
chr14	60510659	60510659	+	2.804E-24	1.01192E-22	0.246489	hyper	sig	chr14_60510659
chr7	923779	923779	+	2.805E-24	1.01225E-22	-0.23449	hypo	sig	chr7_923779
chr1	2.06E+08	205850057	+	2.807E-24	1.01277E-22	0.225469	hyper	sig	chr1_205850057
chr2	10947098	10947098	+	2.822E-24	1.018E-22	-0.35505	hypo	sig	chr2_10947098
chr10	49679725	49679725	+	2.836E-24	1.02274E-22	0.271665	hyper	sig	chr10_49679725
chr3	1.73E+08	173141125	+	2.838E-24	1.02372E-22	-0.25118	hypo	sig	chr3_173141125
chr2	1.31E+08	130964800	+	2.84E-24	1.02424E-22	0.255212	hyper	sig	chr2_130964800
chr19	52453579	52453579	+	2.847E-24	1.02665E-22	0.243506	hyper	sig	chr19_52453579
chr6	1.37E+08	136923541	+	2.853E-24	1.0289E-22	0.350403	hyper	sig	chr6_136923541
chr20	21515446	21515446	+	2.858E-24	1.03061E-22	0.271387	hyper	sig	chr20_21515446
chr2	1.3E+08	130005962	+	2.859E-24	1.03097E-22	0.241651	hyper	sig	chr2_130005962
chr13	27919163	27919163	+	2.861E-24	1.0315E-22	0.400822	hyper	sig	chr13_27919163
chr19	52535847	52535847	+	2.861E-24	1.0315E-22	0.264397	hyper	sig	chr19_52535847
chr19	36421835	36421835	+	2.863E-24	1.03203E-22	0.261847	hyper	sig	chr19_36421835
chr5	1.59E+08	159097394	+	2.867E-24	1.03366E-22	0.296848	hyper	sig	chr5_159097394
chr10	1.33E+08	132920174	+	2.873E-24	1.03573E-22	-0.2867	hypo	sig	chr10_132920174
chr22	27804585	27804585	+	2.874E-24	1.03597E-22	-0.28181	hypo	sig	chr22_27804585
chr15	59995329	59995329	+	2.878E-24	1.03741E-22	0.205123	hyper	sig	chr15_59995329
chr17	9003740	9003740	+	2.881E-24	1.03845E-22	0.21589	hyper	sig	chr17_9003740
chr8	23710435	23710435	+	2.882E-24	1.03877E-22	0.261395	hyper	sig	chr8_23710435
chr9	34809715	34809715	+	2.883E-24	1.03896E-22	0.275753	hyper	sig	chr9_34809715
chr11	22341250	22341250	+	2.883E-24	1.03902E-22	0.256728	hyper	sig	chr11_22341250
chr1	3293914	3293914	+	2.885E-24	1.03956E-22	-0.25711	hypo	sig	chr1_3293914
chr10	1.16E+08	116272521	+	2.889E-24	1.04092E-22	0.218639	hyper	sig	chr10_116272521
chr11	1.12E+08	111549545	+	2.89E-24	1.04117E-22	-0.31462	hypo	sig	chr11_111549545

chr3	1.71E+08	170585279	+	2.893E-24	1.0423E-22	0.277513	hyper	sig	chr3_170585279
chr7	97013452	97013452	+	2.894E-24	1.0424E-22	0.229876	hyper	sig	chr7_97013452
chr1	38044525	38044525	+	2.898E-24	1.0439E-22	0.211205	hyper	sig	chr1_38044525
chr6	98825731	98825731	+	2.898E-24	1.0439E-22	0.22652	hyper	sig	chr6_98825731
chr22	17562972	17562972	+	2.9E-24	1.04461E-22	-0.20343	hypo	sig	chr22_17562972
chr5	1.32E+08	132271402	+	2.904E-24	1.04601E-22	-0.23318	hypo	sig	chr5_132271402
chr6	28634862	28634862	+	2.906E-24	1.04662E-22	0.224825	hyper	sig	chr6_28634862
chr14	1.04E+08	104323038	+	2.913E-24	1.04904E-22	-0.28029	hypo	sig	chr14_104323038
chr17	41583597	41583597	+	2.914E-24	1.04932E-22	-0.26477	hypo	sig	chr17_41583597
chr3	1.82E+08	181723783	+	2.921E-24	1.05192E-22	0.217308	hyper	sig	chr3_181723783
chr2	1.15E+08	114662443	+	2.923E-24	1.0525E-22	0.268268	hyper	sig	chr2_114662443
chr19	57351034	57351034	+	2.929E-24	1.05446E-22	0.222391	hyper	sig	chr19_57351034
chr5	73382366	73382366	+	2.932E-24	1.05561E-22	0.20698	hyper	sig	chr5_73382366
chr1	57423331	57423331	+	2.935E-24	1.05654E-22	0.270986	hyper	sig	chr1_57423331
chr20	40690852	40690852	+	2.936E-24	1.05692E-22	0.219205	hyper	sig	chr20_40690852
chr13	20946380	20946380	+	2.943E-24	1.05935E-22	0.305405	hyper	sig	chr13_20946380
chr7	1.57E+08	157298855	+	2.947E-24	1.06099E-22	-0.21143	hypo	sig	chr7_157298855
chr1	2.29E+08	229434064	+	2.95E-24	1.06169E-22	0.234659	hyper	sig	chr1_229434064
chr16	692426	692426	+	2.962E-24	1.06598E-22	-0.2427	hypo	sig	chr16_692426
chr1	3246916	3246916	+	2.982E-24	1.07339E-22	-0.2022	hypo	sig	chr1_3246916
chr3	1.85E+08	184769824	+	2.984E-24	1.0738E-22	-0.30428	hypo	sig	chr3_184769824
chr8	1.43E+08	142777152	+	2.986E-24	1.0745E-22	0.224953	hyper	sig	chr8_142777152
chr1	63316805	63316805	+	2.987E-24	1.07484E-22	0.317449	hyper	sig	chr1_63316805
chr5	1.46E+08	146339001	+	2.99E-24	1.07599E-22	0.247996	hyper	sig	chr5_146339001
chr6	50707909	50707909	+	2.996E-24	1.0779E-22	0.216478	hyper	sig	chr6_50707909
chr14	36659398	36659398	+	2.999E-24	1.07891E-22	0.255989	hyper	sig	chr14_36659398
chr5	1.5E+08	150186374	+	3E-24	1.07921E-22	-0.23196	hypo	sig	chr5_150186374
chr15	74824728	74824728	+	3.003E-24	1.08038E-22	-0.27883	hypo	sig	chr15_74824728
chr7	1.57E+08	157297309	+	3.007E-24	1.08168E-22	-0.30812	hypo	sig	chr7_157297309
chr19	1497462	1497462	+	3.008E-24	1.08203E-22	-0.22574	hypo	sig	chr19_1497462
chr5	3596827	3596827	+	3.009E-24	1.0824E-22	0.330823	hyper	sig	chr5_3596827
chr16	85256509	85256509	+	3.018E-24	1.08539E-22	-0.24696	hypo	sig	chr16_85256509
chr6	1.68E+08	167797385	+	3.018E-24	1.0856E-22	-0.23301	hypo	sig	chr6_167797385
chr16	89248151	89248151	+	3.018E-24	1.08563E-22	0.313837	hyper	sig	chr16_89248151
chr18	55779936	55779936	+	3.033E-24	1.09094E-22	0.298781	hyper	sig	chr18_55779936
chr19	18008195	18008195	+	3.04E-24	1.09326E-22	0.223661	hyper	sig	chr19_18008195
chr11	1.06E+08	105611136	+	3.042E-24	1.09398E-22	0.237073	hyper	sig	chr11_105611136
chr19	39298050	39298050	+	3.042E-24	1.09407E-22	-0.21758	hypo	sig	chr19_39298050
chr9	23824193	23824193	+	3.044E-24	1.09473E-22	0.272789	hyper	sig	chr9_23824193
chr10	1.34E+08	133560143	+	3.045E-24	1.09475E-22	-0.22578	hypo	sig	chr10_133560143
chr2	44803235	44803235	+	3.047E-24	1.09573E-22	0.328638	hyper	sig	chr2_44803235
chr11	1.34E+08	134069746	+	3.051E-24	1.09694E-22	0.31043	hyper	sig	chr11_134069746
chr12	1.07E+08	106585266	+	3.056E-24	1.09884E-22	0.237458	hyper	sig	chr12_106585266
chr5	32713006	32713006	+	3.059E-24	1.09979E-22	0.269235	hyper	sig	chr5_32713006
chr16	54932748	54932748	+	3.065E-24	1.10182E-22	0.284936	hyper	sig	chr16_54932748
chr19	58009800	58009800	+	3.065E-24	1.10185E-22	0.222874	hyper	sig	chr19_58009800
chr2	2.02E+08	202035624	+	3.071E-24	1.10403E-22	0.273831	hyper	sig	chr2_202035624
chr10	1.03E+08	103277955	+	3.075E-24	1.10507E-22	0.300396	hyper	sig	chr10_103277955
chr3	55483117	55483117	+	3.084E-24	1.10843E-22	0.208052	hyper	sig	chr3_55483117
chr13	29505304	29505304	+	3.099E-24	1.11374E-22	-0.25839	hypo	sig	chr13_29505304
chr12	3493415	3493415	+	3.107E-24	1.11628E-22	0.244761	hyper	sig	chr12_3493415
chr7	1.51E+08	151014037	+	3.108E-24	1.11685E-22	0.240238	hyper	sig	chr7_151014037
chr5	1.73E+08	173244820	+	3.12E-24	1.12099E-22	0.340736	hyper	sig	chr5_173244820
chr8	2145203	2145203	+	3.142E-24	1.12886E-22	-0.24059	hypo	sig	chr8_2145203
chr9	1.33E+08	132986280	+	3.144E-24	1.12931E-22	-0.35492	hypo	sig	chr9_132986280
chr17	58220082	58220082	+	3.146E-24	1.12992E-22	-0.27141	hypo	sig	chr17_58220082

chr6	1.05E+08	104953106	+	3.147E-24	1.13041E-22	0.288184	hyper	sig	chr6_104953106
chr1	11720208	11720208	+	3.153E-24	1.13246E-22	-0.23625	hypo	sig	chr1_11720208
chr19	8589602	8589602	+	3.153E-24	1.13246E-22	-0.32384	hypo	sig	chr19_8589602
chr4	10461688	10461688	+	3.163E-24	1.13581E-22	0.333802	hyper	sig	chr4_10461688
chr5	71719122	71719122	+	3.165E-24	1.13642E-22	0.330016	hyper	sig	chr5_71719122
chr16	841494	841494	+	3.171E-24	1.13867E-22	-0.33067	hypo	sig	chr16_841494
chr11	78962167	78962167	+	3.172E-24	1.13883E-22	0.321291	hyper	sig	chr11_78962167
chr13	1.12E+08	112451648	+	3.18E-24	1.14167E-22	-0.23988	hypo	sig	chr13_112451648
chr12	53960854	53960854	+	3.182E-24	1.14229E-22	0.220802	hyper	sig	chr12_53960854
chr2	56193008	56193008	+	3.187E-24	1.1442E-22	-0.22891	hypo	sig	chr2_56193008
chr9	85523069	85523069	+	3.202E-24	1.14937E-22	0.200381	hyper	sig	chr9_85523069
chr14	96595190	96595190	+	3.203E-24	1.14958E-22	-0.29018	hypo	sig	chr14_96595190
chr20	21103805	21103805	+	3.203E-24	1.14958E-22	0.264679	hyper	sig	chr20_21103805
chr6	1.08E+08	108171516	+	3.206E-24	1.15082E-22	0.263282	hyper	sig	chr6_108171516
chr1	26411639	26411639	+	3.212E-24	1.1529E-22	0.203928	hyper	sig	chr1_26411639
chr1	16520719	16520719	+	3.217E-24	1.15462E-22	0.211074	hyper	sig	chr1_16520719
chr8	23705618	23705618	+	3.217E-24	1.15462E-22	0.288458	hyper	sig	chr8_23705618
chr17	81118341	81118341	+	3.225E-24	1.15721E-22	-0.28004	hypo	sig	chr17_81118341
chr4	4858741	4858741	+	3.225E-24	1.15721E-22	0.232266	hyper	sig	chr4_4858741
chr12	4809770	4809770	+	3.227E-24	1.15781E-22	0.222871	hyper	sig	chr12_4809770
chr1	9652492	9652492	+	3.238E-24	1.16178E-22	0.259726	hyper	sig	chr1_9652492
chr6	30172382	30172382	+	3.241E-24	1.16297E-22	0.262721	hyper	sig	chr6_30172382
chr5	3116640	3116640	+	3.242E-24	1.16324E-22	0.223016	hyper	sig	chr5_3116640
chr7	1.55E+08	155462421	+	3.247E-24	1.16474E-22	0.269641	hyper	sig	chr7_155462421
chr7	29802505	29802505	+	3.259E-24	1.16885E-22	-0.31124	hypo	sig	chr7_29802505
chr7	96992892	96992892	+	3.259E-24	1.1689E-22	0.361019	hyper	sig	chr7_96992892
chr8	1.41E+08	141277127	+	3.26E-24	1.16911E-22	-0.22386	hypo	sig	chr8_141277127
chr12	43552071	43552071	+	3.264E-24	1.17064E-22	0.290969	hyper	sig	chr12_43552071
chr12	48198802	48198802	+	3.267E-24	1.17162E-22	0.253626	hyper	sig	chr12_48198802
chr17	45982980	45982980	+	3.269E-24	1.17246E-22	-0.22435	hypo	sig	chr17_45982980
chr10	1.18E+08	117735070	+	3.271E-24	1.1731E-22	0.244077	hyper	sig	chr10_117735070
chr13	36155126	36155126	+	3.277E-24	1.17492E-22	0.318642	hyper	sig	chr13_36155126
chr19	30450978	30450978	+	3.278E-24	1.17522E-22	0.239192	hyper	sig	chr19_30450978
chr7	1.55E+08	155454511	+	3.284E-24	1.17741E-22	0.203341	hyper	sig	chr7_155454511
chr4	1.84E+08	183907271	+	3.287E-24	1.17829E-22	0.240827	hyper	sig	chr4_183907271
chr8	98947222	98947222	+	3.287E-24	1.17845E-22	0.253164	hyper	sig	chr8_98947222
chr4	54232203	54232203	+	3.287E-24	1.17847E-22	0.235609	hyper	sig	chr4_54232203
chr12	40692998	40692998	+	3.288E-24	1.17857E-22	0.262836	hyper	sig	chr12_40692998
chr12	48198758	48198758	+	3.291E-24	1.17983E-22	0.240665	hyper	sig	chr12_48198758
chr7	1.22E+08	122307044	+	3.296E-24	1.1814E-22	0.245317	hyper	sig	chr7_122307044
chr19	43827077	43827077	+	3.297E-24	1.18169E-22	0.269597	hyper	sig	chr19_43827077
chr14	21723641	21723641	+	3.302E-24	1.18363E-22	-0.27913	hypo	sig	chr14_21723641
chr16	2284336	2284336	+	3.306E-24	1.18492E-22	-0.227	hypo	sig	chr16_2284336
chr3	1.25E+08	125357051	+	3.315E-24	1.18807E-22	0.357552	hyper	sig	chr3_125357051
chr1	929633	929633	+	3.317E-24	1.18875E-22	-0.20905	hypo	sig	chr1_929633
chr10	1.32E+08	131981110	+	3.325E-24	1.19126E-22	0.229816	hyper	sig	chr10_131981110
chr19	33622492	33622492	+	3.326E-24	1.19153E-22	0.26469	hyper	sig	chr19_33622492
chr11	1936264	1936264	+	3.326E-24	1.19175E-22	-0.21157	hypo	sig	chr11_1936264
chr7	1.41E+08	140527527	+	3.33E-24	1.19285E-22	-0.29544	hypo	sig	chr7_140527527
chr11	20669598	20669598	+	3.347E-24	1.19881E-22	0.3326	hyper	sig	chr11_20669598
chr11	1.23E+08	122981746	+	3.347E-24	1.19881E-22	0.25631	hyper	sig	chr11_122981746
chr12	1.33E+08	132908119	+	3.349E-24	1.19957E-22	0.278822	hyper	sig	chr12_132908119
chr2	1.92E+08	192195622	+	3.351E-24	1.20015E-22	0.259883	hyper	sig	chr2_192195622
chr1	92441740	92441740	+	3.365E-24	1.20514E-22	-0.3505	hypo	sig	chr1_92441740
chr7	1.5E+08	149501941	+	3.372E-24	1.20756E-22	-0.33392	hypo	sig	chr7_149501941
chr1	1.77E+08	177171544	+	3.374E-24	1.20808E-22	0.251618	hyper	sig	chr1_177171544

chr7	90118980	90118980	+	3.374E-24	1.20825E-22	0.242358	hyper	sig	chr7_90118980
chr2	3554163	3554163	+	3.378E-24	1.20957E-22	0.21171	hyper	sig	chr2_3554163
chr17	82320999	82320999	+	3.38E-24	1.21036E-22	-0.29684	hypo	sig	chr17_82320999
chr12	54047085	54047085	+	3.386E-24	1.21214E-22	0.297891	hyper	sig	chr12_54047085
chr16	1223783	1223783	+	3.388E-24	1.21285E-22	-0.22767	hypo	sig	chr16_1223783
chr9	1.31E+08	130919134	+	3.388E-24	1.21285E-22	-0.20961	hypo	sig	chr9_130919134
chr16	561301	561301	+	3.394E-24	1.21501E-22	-0.21124	hypo	sig	chr16_561301
chr1	75134670	75134670	+	3.404E-24	1.21833E-22	0.218513	hyper	sig	chr1_75134670
chr12	15221261	15221261	+	3.405E-24	1.21878E-22	0.309551	hyper	sig	chr12_15221261
chr3	1.33E+08	133038907	+	3.405E-24	1.21883E-22	0.24191	hyper	sig	chr3_133038907
chr22	50281963	50281963	+	3.413E-24	1.22137E-22	-0.22199	hypo	sig	chr22_50281963
chr6	29828589	29828589	+	3.419E-24	1.22352E-22	0.210471	hyper	sig	chr6_29828589
chr13	1.14E+08	114005234	+	3.43E-24	1.22764E-22	-0.23166	hypo	sig	chr13_114005234
chr8	1.43E+08	143285199	+	3.431E-24	1.22788E-22	-0.24497	hypo	sig	chr8_143285199
chr7	1.01E+08	101362582	+	3.432E-24	1.22795E-22	0.25906	hyper	sig	chr7_101362582
chr17	78258056	78258056	+	3.438E-24	1.23032E-22	-0.26857	hypo	sig	chr17_78258056
chr17	39165261	39165261	+	3.447E-24	1.2332E-22	0.316712	hyper	sig	chr17_39165261
chr1	90725410	90725410	+	3.447E-24	1.23334E-22	0.219251	hyper	sig	chr1_90725410
chr4	1.47E+08	146647601	+	3.454E-24	1.23557E-22	0.378631	hyper	sig	chr4_146647601
chr6	30940962	30940962	+	3.458E-24	1.23717E-22	-0.29863	hypo	sig	chr6_30940962
chr1	1.19E+08	118989697	+	3.462E-24	1.23857E-22	0.244045	hyper	sig	chr1_118989697
chr10	23195908	23195908	+	3.464E-24	1.2389E-22	0.25343	hyper	sig	chr10_23195908
chr12	1.14E+08	114414503	+	3.469E-24	1.24085E-22	0.282572	hyper	sig	chr12_114414503
chr11	1344231	1344231	+	3.481E-24	1.24493E-22	-0.21175	hypo	sig	chr11_1344231
chr12	1.31E+08	131125377	+	3.483E-24	1.24555E-22	-0.31723	hypo	sig	chr12_131125377
chr4	4226483	4226483	+	3.485E-24	1.2462E-22	0.252878	hyper	sig	chr4_4226483
chr2	2.32E+08	231707737	+	3.488E-24	1.2474E-22	-0.2103	hypo	sig	chr2_231707737
chr6	32052721	32052721	+	3.491E-24	1.24831E-22	-0.20469	hypo	sig	chr6_32052721
chr1	13584263	13584263	+	3.493E-24	1.24902E-22	0.326788	hyper	sig	chr1_13584263
chr16	3183912	3183912	+	3.498E-24	1.25045E-22	0.244163	hyper	sig	chr16_3183912
chr12	54031303	54031303	+	3.499E-24	1.25085E-22	0.277671	hyper	sig	chr12_54031303
chr7	1.29E+08	128511986	+	3.503E-24	1.25225E-22	-0.30428	hypo	sig	chr7_128511986
chr1	1.22E+08	121518886	+	3.506E-24	1.25312E-22	0.30714	hyper	sig	chr1_121518886
chr13	36430464	36430464	+	3.507E-24	1.25358E-22	0.262659	hyper	sig	chr13_36430464
chr10	1.09E+08	109456707	+	3.511E-24	1.25499E-22	0.28584	hyper	sig	chr10_109456707
chr4	1.74E+08	173527590	+	3.514E-24	1.25586E-22	0.215854	hyper	sig	chr4_173527590
chr10	1478581	1478581	+	3.516E-24	1.2567E-22	-0.2489	hypo	sig	chr10_1478581
chr14	41605395	41605395	+	3.518E-24	1.25713E-22	0.21005	hyper	sig	chr14_41605395
chr13	77919170	77919170	+	3.518E-24	1.25726E-22	0.268741	hyper	sig	chr13_77919170
chr13	42562689	42562689	+	3.521E-24	1.25814E-22	-0.29581	hypo	sig	chr13_42562689
chr16	30007243	30007243	+	3.536E-24	1.26369E-22	-0.30484	hypo	sig	chr16_30007243
chr10	1.01E+08	100659607	+	3.537E-24	1.26391E-22	0.280232	hyper	sig	chr10_100659607
chr10	23191016	23191016	+	3.541E-24	1.26539E-22	0.359028	hyper	sig	chr10_23191016
chr14	56810071	56810071	+	3.547E-24	1.26734E-22	0.308338	hyper	sig	chr14_56810071
chr13	36297832	36297832	+	3.55E-24	1.26844E-22	0.243855	hyper	sig	chr13_36297832
chr4	1361665	1361665	+	3.557E-24	1.27074E-22	0.206082	hyper	sig	chr4_1361665
chr4	1.76E+08	176065811	+	3.559E-24	1.2715E-22	0.205384	hyper	sig	chr4_176065811
chr2	44928120	44928120	+	3.566E-24	1.27389E-22	0.271803	hyper	sig	chr2_44928120
chr13	83881462	83881462	+	3.57E-24	1.27512E-22	0.236045	hyper	sig	chr13_83881462
chr5	1877864	1877864	+	3.571E-24	1.27555E-22	0.257367	hyper	sig	chr5_1877864
chr14	84091781	84091781	+	3.572E-24	1.27583E-22	-0.32021	hypo	sig	chr14_84091781
chr10	1.33E+08	132921000	+	3.575E-24	1.2768E-22	-0.23981	hypo	sig	chr10_132921000
chr14	1.01E+08	100769534	+	3.576E-24	1.27713E-22	-0.20048	hypo	sig	chr14_100769534
chr5	2739110	2739110	+	3.58E-24	1.27858E-22	0.248073	hyper	sig	chr5_2739110
chr8	71558782	71558782	+	3.585E-24	1.28007E-22	0.228421	hyper	sig	chr8_71558782
chr3	1.26E+08	126394850	+	3.585E-24	1.28021E-22	0.232828	hyper	sig	chr3_126394850

chr7	1.57E+08	157004275	+	3.595E-24	1.28365E-22	0.21781	hyper	sig	chr7_157004275
chr11	79189607	79189607	+	3.596E-24	1.28401E-22	-0.3399	hypo	sig	chr11_79189607
chr11	469636	469636	+	3.603E-24	1.28621E-22	-0.24603	hypo	sig	chr11_469636
chr4	10458399	10458399	+	3.607E-24	1.28758E-22	-0.29729	hypo	sig	chr4_10458399
chr7	97007873	97007873	+	3.611E-24	1.28927E-22	0.20415	hyper	sig	chr7_97007873
chr5	1.41E+08	141403167	+	3.613E-24	1.28971E-22	0.217814	hyper	sig	chr5_141403167
chr1	2.37E+08	237041866	+	3.625E-24	1.29373E-22	0.203288	hyper	sig	chr1_237041866
chr11	32434262	32434262	+	3.628E-24	1.29496E-22	0.28697	hyper	sig	chr11_32434262
chr15	89360473	89360473	+	3.629E-24	1.29503E-22	0.256377	hyper	sig	chr15_89360473
chr11	8168930	8168930	+	3.629E-24	1.29529E-22	0.266887	hyper	sig	chr11_8168930
chr8	54457615	54457615	+	3.638E-24	1.29824E-22	0.319876	hyper	sig	chr8_54457615
chr5	1.41E+08	141413886	+	3.643E-24	1.29991E-22	0.20754	hyper	sig	chr5_141413886
chr1	1.48E+08	148318387	+	3.648E-24	1.30154E-22	0.262538	hyper	sig	chr1_148318387
chr14	99652693	99652693	+	3.648E-24	1.30154E-22	-0.23238	hypo	sig	chr14_99652693
chr20	63361216	63361216	+	3.648E-24	1.30156E-22	0.274838	hyper	sig	chr20_63361216
chr1	54374341	54374341	+	3.66E-24	1.3059E-22	-0.22895	hypo	sig	chr1_54374341
chr20	23048714	23048714	+	3.661E-24	1.30613E-22	0.222813	hyper	sig	chr20_23048714
chr6	50843132	50843132	+	3.668E-24	1.30853E-22	0.239395	hyper	sig	chr6_50843132
chr7	1.55E+08	155294063	+	3.669E-24	1.30863E-22	-0.27402	hypo	sig	chr7_155294063
chr19	53132855	53132855	+	3.678E-24	1.31194E-22	0.255817	hyper	sig	chr19_53132855
chr16	57803000	57803000	+	3.683E-24	1.31368E-22	0.344909	hyper	sig	chr16_57803000
chr2	55923298	55923298	+	3.691E-24	1.31631E-22	0.200326	hyper	sig	chr2_55923298
chr3	1.47E+08	147411295	+	3.71E-24	1.32294E-22	0.21714	hyper	sig	chr3_147411295
chr16	1040188	1040188	+	3.711E-24	1.32328E-22	-0.27695	hypo	sig	chr16_1040188
chr2	63055689	63055689	+	3.711E-24	1.32328E-22	0.214972	hyper	sig	chr2_63055689
chr1	1.72E+08	171841182	+	3.712E-24	1.3237E-22	0.220546	hyper	sig	chr1_171841182
chr16	86579073	86579073	+	3.715E-24	1.32444E-22	0.322266	hyper	sig	chr16_86579073
chr21	26967484	26967484	+	3.716E-24	1.32498E-22	0.228983	hyper	sig	chr21_26967484
chr2	2.38E+08	238139942	+	3.725E-24	1.32806E-22	-0.24551	hypo	sig	chr2_238139942
chr4	1.74E+08	173519530	+	3.729E-24	1.32919E-22	0.27359	hyper	sig	chr4_173519530
chr7	1.22E+08	122300164	+	3.74E-24	1.33325E-22	0.321515	hyper	sig	chr7_122300164
chr2	910964	910964	+	3.752E-24	1.33737E-22	-0.21942	hypo	sig	chr2_910964
chr1	52843552	52843552	+	3.756E-24	1.33875E-22	0.323955	hyper	sig	chr1_52843552
chr7	27106695	27106695	+	3.757E-24	1.33895E-22	0.234818	hyper	sig	chr7_27106695
chr2	44998870	44998870	+	3.759E-24	1.33961E-22	-0.29962	hypo	sig	chr2_44998870
chr7	1.37E+08	136868828	+	3.771E-24	1.3437E-22	0.251992	hyper	sig	chr7_136868828
chr2	1.27E+08	126656805	+	3.777E-24	1.34584E-22	0.259877	hyper	sig	chr2_126656805
chr21	26967887	26967887	+	3.781E-24	1.34718E-22	0.233521	hyper	sig	chr21_26967887
chr8	84182581	84182581	+	3.782E-24	1.34741E-22	0.243242	hyper	sig	chr8_84182581
chr7	1.51E+08	150946838	+	3.782E-24	1.34745E-22	-0.35756	hypo	sig	chr7_150946838
chr8	96161532	96161532	+	3.785E-24	1.34851E-22	0.325302	hyper	sig	chr8_96161532
chr8	98949264	98949264	+	3.789E-24	1.34972E-22	0.276006	hyper	sig	chr8_98949264
chr2	31580987	31580987	+	3.804E-24	1.35521E-22	0.343302	hyper	sig	chr2_31580987
chr14	1.04E+08	104358138	+	3.816E-24	1.35939E-22	-0.21961	hypo	sig	chr14_104358138
chr10	1.33E+08	133019878	+	3.817E-24	1.35981E-22	-0.22186	hypo	sig	chr10_133019878
chr20	21507560	21507560	+	3.819E-24	1.36032E-22	0.319797	hyper	sig	chr20_21507560
chr8	98947395	98947395	+	3.82E-24	1.36042E-22	0.242853	hyper	sig	chr8_98947395
chr17	733830	733830	+	3.83E-24	1.36415E-22	-0.3081	hypo	sig	chr17_733830
chr18	5892120	5892120	+	3.836E-24	1.36616E-22	-0.21792	hypo	sig	chr18_5892120
chr8	48976429	48976429	+	3.842E-24	1.36808E-22	-0.28588	hypo	sig	chr8_48976429
chr14	26205271	26205271	+	3.844E-24	1.36885E-22	0.262103	hyper	sig	chr14_26205271
chr1	2E+08	200038758	+	3.858E-24	1.37385E-22	0.364583	hyper	sig	chr1_200038758
chr11	67989826	67989826	+	3.859E-24	1.37405E-22	-0.24922	hypo	sig	chr11_67989826
chr15	25242737	25242737	+	3.864E-24	1.37581E-22	-0.2033	hypo	sig	chr15_25242737
chr14	1.03E+08	102552389	+	3.866E-24	1.37629E-22	-0.21967	hypo	sig	chr14_102552389
chr19	18008201	18008201	+	3.867E-24	1.37654E-22	0.212688	hyper	sig	chr19_18008201

chr13	27922504	27922504	+	3.872E-24	1.37826E-22	0.29169	hyper	sig	chr13_27922504
chr6	30111626	30111626	+	3.875E-24	1.37935E-22	-0.24977	hypo	sig	chr6_30111626
chr20	63007204	63007204	+	3.881E-24	1.38122E-22	0.272773	hyper	sig	chr20_63007204
chr5	959040	959040	+	3.891E-24	1.38472E-22	-0.23088	hypo	sig	chr5_959040
chr12	1.31E+08	131293012	+	3.891E-24	1.38486E-22	-0.2273	hypo	sig	chr12_131293012
chr7	42227738	42227738	+	3.893E-24	1.38527E-22	0.226355	hyper	sig	chr7_42227738
chr14	99792850	99792850	+	3.895E-24	1.38593E-22	0.274203	hyper	sig	chr14_99792850
chr12	53945134	53945134	+	3.9E-24	1.38772E-22	0.246749	hyper	sig	chr12_53945134
chr8	88328171	88328171	+	3.913E-24	1.39208E-22	0.253657	hyper	sig	chr8_88328171
chr4	6322822	6322822	+	3.915E-24	1.39278E-22	-0.30591	hypo	sig	chr4_6322822
chr17	8758495	8758495	+	3.917E-24	1.39339E-22	-0.25988	hypo	sig	chr17_8758495
chr12	84912692	84912692	+	3.917E-24	1.39363E-22	0.210584	hyper	sig	chr12_84912692
chr3	68931421	68931421	+	3.933E-24	1.39921E-22	0.239499	hyper	sig	chr3_68931421
chr15	25194346	25194346	+	3.948E-24	1.4042E-22	-0.28081	hypo	sig	chr15_25194346
chr15	74434241	74434241	+	3.954E-24	1.40619E-22	0.239252	hyper	sig	chr15_74434241
chr19	3785873	3785873	+	3.964E-24	1.40979E-22	0.238377	hyper	sig	chr19_3785873
chr19	56393733	56393733	+	3.967E-24	1.41081E-22	0.277403	hyper	sig	chr19_56393733
chr6	37649069	37649069	+	3.969E-24	1.41149E-22	0.343862	hyper	sig	chr6_37649069
chr14	60507345	60507345	+	3.986E-24	1.41719E-22	0.359054	hyper	sig	chr14_60507345
chr13	57629746	57629746	+	3.989E-24	1.41822E-22	0.372648	hyper	sig	chr13_57629746
chr2	933184	933184	+	4.02E-24	1.42914E-22	-0.2229	hypo	sig	chr2_933184
chr20	38728284	38728284	+	4.03E-24	1.43289E-22	0.336099	hyper	sig	chr20_38728284
chr17	82711023	82711023	+	4.031E-24	1.43299E-22	-0.22541	hypo	sig	chr17_82711023
chr12	1.32E+08	132319747	+	4.034E-24	1.43416E-22	-0.24038	hypo	sig	chr12_132319747
chr13	36346609	36346609	+	4.039E-24	1.43562E-22	0.266231	hyper	sig	chr13_36346609
chr1	7782333	7782333	+	4.043E-24	1.43701E-22	-0.26657	hypo	sig	chr1_7782333
chr16	30821137	30821137	+	4.045E-24	1.43787E-22	-0.34249	hypo	sig	chr16_30821137
chr1	2.21E+08	220881213	+	4.052E-24	1.44007E-22	0.249645	hyper	sig	chr1_220881213
chr8	1.42E+08	141726852	+	4.053E-24	1.44036E-22	-0.21261	hypo	sig	chr8_141726852
chr5	1.42E+08	141751034	+	4.053E-24	1.4406E-22	-0.2837	hypo	sig	chr5_141751034
chr4	1.11E+08	110614391	+	4.06E-24	1.44272E-22	0.298931	hyper	sig	chr4_110614391
chr8	71842321	71842321	+	4.06E-24	1.44272E-22	0.290352	hyper	sig	chr8_71842321
chr17	82710735	82710735	+	4.062E-24	1.44345E-22	-0.23055	hypo	sig	chr17_82710735
chr15	34754447	34754447	+	4.065E-24	1.44448E-22	0.303764	hyper	sig	chr15_34754447
chr8	71558532	71558532	+	4.087E-24	1.45213E-22	0.234563	hyper	sig	chr8_71558532
chr6	1.46E+08	146027754	+	4.094E-24	1.45456E-22	0.246214	hyper	sig	chr6_146027754
chr4	3370212	3370212	+	4.104E-24	1.45794E-22	0.207444	hyper	sig	chr4_3370212
chr7	1.43E+08	142877259	+	4.124E-24	1.46498E-22	-0.22313	hypo	sig	chr7_142877259
chr5	1.14E+08	114056093	+	4.13E-24	1.46714E-22	0.215528	hyper	sig	chr5_114056093
chr12	63668975	63668975	+	4.137E-24	1.46944E-22	0.25	hyper	sig	chr12_63668975
chr7	1.58E+08	157668705	+	4.137E-24	1.46966E-22	0.202318	hyper	sig	chr7_157668705
chr11	1.18E+08	117987263	+	4.146E-24	1.47253E-22	-0.27953	hypo	sig	chr11_117987263
chr11	2300820	2300820	+	4.154E-24	1.47547E-22	-0.23944	hypo	sig	chr11_2300820
chr3	1.3E+08	129975214	+	4.158E-24	1.47685E-22	0.263254	hyper	sig	chr3_129975214
chr3	6862182	6862182	+	4.162E-24	1.47817E-22	0.408869	hyper	sig	chr3_6862182
chr17	79183670	79183670	+	4.164E-24	1.4789E-22	0.223814	hyper	sig	chr17_79183670
chr8	1.42E+08	142173079	+	4.166E-24	1.47937E-22	-0.23625	hypo	sig	chr8_142173079
chr5	73444785	73444785	+	4.171E-24	1.48104E-22	0.293249	hyper	sig	chr5_73444785
chr1	1333882	1333882	+	4.174E-24	1.4823E-22	-0.28472	hypo	sig	chr1_1333882
chr6	50715969	50715969	+	4.179E-24	1.4838E-22	0.201646	hyper	sig	chr6_50715969
chr14	96592446	96592446	+	4.187E-24	1.48662E-22	0.225644	hyper	sig	chr14_96592446
chr5	1.41E+08	140861503	+	4.19E-24	1.48772E-22	-0.21106	hypo	sig	chr5_140861503
chr7	1.29E+08	128511978	+	4.196E-24	1.48941E-22	-0.29472	hypo	sig	chr7_128511978
chr15	99734096	99734096	+	4.196E-24	1.48956E-22	-0.3734	hypo	sig	chr15_99734096
chr15	1.01E+08	100973582	+	4.199E-24	1.49061E-22	0.260049	hyper	sig	chr15_100973582
chr6	28810531	28810531	+	4.2E-24	1.49081E-22	0.240986	hyper	sig	chr6_28810531

chr16	49277611	49277611	+	4.208E-24	1.49369E-22	0.25394	hyper	sig	chr16_49277611
chr8	49909799	49909799	+	4.21E-24	1.49413E-22	0.224215	hyper	sig	chr8_49909799
chr9	97985485	97985485	+	4.225E-24	1.4995E-22	-0.24082	hypo	sig	chr9_97985485
chr12	1.1E+08	109961455	+	4.228E-24	1.50044E-22	-0.23027	hypo	sig	chr12_109961455
chr19	57175292	57175292	+	4.245E-24	1.50638E-22	-0.21903	hypo	sig	chr19_57175292
chr16	3184407	3184407	+	4.259E-24	1.51099E-22	0.275848	hyper	sig	chr16_3184407
chr4	80266101	80266101	+	4.278E-24	1.51757E-22	0.258509	hyper	sig	chr4_80266101
chr16	51156034	51156034	+	4.278E-24	1.51761E-22	0.261199	hyper	sig	chr16_51156034
chr14	24311518	24311518	+	4.279E-24	1.51796E-22	0.217267	hyper	sig	chr14_24311518
chr16	630284	630284	+	4.279E-24	1.51796E-22	-0.31312	hypo	sig	chr16_630284
chr20	21511108	21511108	+	4.286E-24	1.52016E-22	0.263818	hyper	sig	chr20_21511108
chr7	1.55E+08	155465682	+	4.298E-24	1.52428E-22	0.223576	hyper	sig	chr7_155465682
chr17	81529206	81529206	+	4.299E-24	1.52473E-22	-0.24591	hypo	sig	chr17_81529206
chr10	11165445	11165445	+	4.299E-24	1.52481E-22	0.329879	hyper	sig	chr10_11165445
chr6	1.59E+08	159128102	+	4.309E-24	1.52815E-22	-0.25879	hypo	sig	chr6_159128102
chr5	1.73E+08	173245336	+	4.312E-24	1.52929E-22	0.28972	hyper	sig	chr5_173245336
chr14	41608166	41608166	+	4.316E-24	1.53047E-22	0.360295	hyper	sig	chr14_41608166
chr8	1163811	1163811	+	4.319E-24	1.53159E-22	0.244323	hyper	sig	chr8_1163811
chr8	23685753	23685753	+	4.32E-24	1.53189E-22	-0.33184	hypo	sig	chr8_23685753
chr19	45472943	45472943	+	4.327E-24	1.53414E-22	0.341011	hyper	sig	chr19_45472943
chr5	1.23E+08	123099386	+	4.341E-24	1.53893E-22	0.21388	hyper	sig	chr5_123099386
chr1	57423338	57423338	+	4.363E-24	1.54666E-22	0.262122	hyper	sig	chr1_57423338
chr18	10589169	10589169	+	4.372E-24	1.5497E-22	-0.24383	hypo	sig	chr18_10589169
chr11	67442572	67442572	+	4.377E-24	1.5515E-22	-0.21348	hypo	sig	chr11_67442572
chr14	41607536	41607536	+	4.388E-24	1.55526E-22	0.23849	hyper	sig	chr14_41607536
chr20	46551741	46551741	+	4.393E-24	1.55693E-22	-0.25527	hypo	sig	chr20_46551741
chr13	1.08E+08	107865940	+	4.405E-24	1.56107E-22	0.220211	hyper	sig	chr13_107865940
chr12	1.13E+08	113476059	+	4.415E-24	1.56476E-22	0.237128	hyper	sig	chr12_113476059
chr5	71719655	71719655	+	4.416E-24	1.56508E-22	0.309731	hyper	sig	chr5_71719655
chr16	1533856	1533856	+	4.42E-24	1.56645E-22	0.211987	hyper	sig	chr16_1533856
chr2	27308308	27308308	+	4.425E-24	1.56803E-22	0.222499	hyper	sig	chr2_27308308
chr5	1.35E+08	135039102	+	4.453E-24	1.57779E-22	0.272112	hyper	sig	chr5_135039102
chr8	48649215	48649215	+	4.469E-24	1.58324E-22	0.270924	hyper	sig	chr8_48649215
chr20	46551805	46551805	+	4.487E-24	1.58951E-22	-0.25251	hypo	sig	chr20_46551805
chr5	32713402	32713402	+	4.487E-24	1.58952E-22	0.33037	hyper	sig	chr5_32713402
chr19	52369699	52369699	+	4.489E-24	1.59002E-22	0.319141	hyper	sig	chr19_52369699
chr1	52842912	52842912	+	4.493E-24	1.59159E-22	0.259469	hyper	sig	chr1_52842912
chr19	58002161	58002161	+	4.497E-24	1.59268E-22	0.231657	hyper	sig	chr19_58002161
chr10	1.31E+08	131310779	+	4.497E-24	1.59278E-22	0.275209	hyper	sig	chr10_131310779
chr20	33018789	33018789	+	4.518E-24	1.60021E-22	-0.22194	hypo	sig	chr20_33018789
chr6	41638713	41638713	+	4.533E-24	1.60526E-22	0.215468	hyper	sig	chr6_41638713
chr13	94968702	94968702	+	4.534E-24	1.60551E-22	0.284046	hyper	sig	chr13_94968702
chr19	17286852	17286852	+	4.544E-24	1.6089E-22	-0.352	hypo	sig	chr19_17286852
chr11	1442440	1442440	+	4.548E-24	1.61034E-22	-0.25413	hypo	sig	chr11_1442440
chr13	1.1E+08	110454828	+	4.548E-24	1.6104E-22	-0.26994	hypo	sig	chr13_110454828
chr16	87680751	87680751	+	4.549E-24	1.61067E-22	-0.23422	hypo	sig	chr16_87680751
chr15	52794568	52794568	+	4.553E-24	1.61182E-22	0.240131	hyper	sig	chr15_52794568
chr2	1.32E+08	131830036	+	4.569E-24	1.61736E-22	0.23064	hyper	sig	chr2_131830036
chr19	3133505	3133505	+	4.57E-24	1.61763E-22	-0.25771	hypo	sig	chr19_3133505
chr10	1.33E+08	133108255	+	4.571E-24	1.61807E-22	-0.25242	hypo	sig	chr10_133108255
chr9	1.37E+08	137031250	+	4.571E-24	1.61807E-22	-0.24951	hypo	sig	chr9_137031250
chr3	1.86E+08	186361528	+	4.579E-24	1.62069E-22	0.258277	hyper	sig	chr3_186361528
chr9	977805	977805	+	4.59E-24	1.62474E-22	0.267353	hyper	sig	chr9_977805
chr2	2.19E+08	219250581	+	4.613E-24	1.63259E-22	-0.22801	hypo	sig	chr2_219250581
chr2	2.19E+08	219434921	+	4.623E-24	1.63596E-22	0.314656	hyper	sig	chr2_219434921
chr7	1.57E+08	157003240	+	4.625E-24	1.6366E-22	0.298137	hyper	sig	chr7_157003240

chr20	64048345	64048345	+	4.661E-24	1.64913E-22	0.202022	hyper	sig	chr20_64048345
chr14	77026571	77026571	+	4.663E-24	1.64997E-22	0.221773	hyper	sig	chr14_77026571
chr4	1.82E+08	182142244	+	4.665E-24	1.65039E-22	0.261221	hyper	sig	chr4_182142244
chr17	45262464	45262464	+	4.669E-24	1.65176E-22	0.208889	hyper	sig	chr17_45262464
chr7	1.04E+08	103990427	+	4.674E-24	1.65345E-22	0.251308	hyper	sig	chr7_103990427
chr11	1.24E+08	123573919	+	4.713E-24	1.66722E-22	-0.24161	hypo	sig	chr11_123573919
chr13	83881958	83881958	+	4.719E-24	1.66912E-22	0.276052	hyper	sig	chr13_83881958
chr4	386726	386726	+	4.72E-24	1.66965E-22	0.31896	hyper	sig	chr4_386726
chr19	1526602	1526602	+	4.724E-24	1.67083E-22	-0.31109	hypo	sig	chr19_1526602
chr8	26451299	26451299	+	4.728E-24	1.67203E-22	-0.2123	hypo	sig	chr8_26451299
chr12	1.32E+08	132426418	+	4.748E-24	1.67897E-22	-0.26339	hypo	sig	chr12_132426418
chr19	3178744	3178744	+	4.75E-24	1.67962E-22	-0.25864	hypo	sig	chr19_3178744
chr15	24773085	24773085	+	4.754E-24	1.68122E-22	0.245069	hyper	sig	chr15_24773085
chr19	30450968	30450968	+	4.755E-24	1.68144E-22	0.22315	hyper	sig	chr19_30450968
chr6	1.08E+08	108165194	+	4.759E-24	1.6826E-22	0.337176	hyper	sig	chr6_108165194
chr7	27103840	27103840	+	4.763E-24	1.68412E-22	0.217769	hyper	sig	chr7_27103840
chr17	78232161	78232161	+	4.764E-24	1.6842E-22	0.217186	hyper	sig	chr17_78232161
chr1	2.21E+08	220887533	+	4.767E-24	1.68532E-22	0.240838	hyper	sig	chr1_220887533
chr5	1.79E+08	179060799	+	4.769E-24	1.686E-22	0.291724	hyper	sig	chr5_179060799
chr12	52007654	52007654	+	4.775E-24	1.68785E-22	0.230819	hyper	sig	chr12_52007654
chr12	1.08E+08	107775161	+	4.789E-24	1.69268E-22	0.279518	hyper	sig	chr12_107775161
chr3	1.3E+08	129975374	+	4.79E-24	1.69316E-22	0.358214	hyper	sig	chr3_129975374
chr16	49278704	49278704	+	4.791E-24	1.69322E-22	0.244295	hyper	sig	chr16_49278704
chr7	27124210	27124210	+	4.795E-24	1.69453E-22	0.224795	hyper	sig	chr7_27124210
chr13	1.12E+08	112453677	+	4.801E-24	1.69671E-22	0.21268	hyper	sig	chr13_112453677
chr19	51719259	51719259	+	4.814E-24	1.70109E-22	0.339508	hyper	sig	chr19_51719259
chr17	35449664	35449664	+	4.816E-24	1.70178E-22	0.261337	hyper	sig	chr17_35449664
chr20	21103815	21103815	+	4.842E-24	1.71067E-22	0.288465	hyper	sig	chr20_21103815
chr7	19106585	19106585	+	4.855E-24	1.71512E-22	0.269291	hyper	sig	chr7_19106585
chr8	49911684	49911684	+	4.861E-24	1.7173E-22	0.209816	hyper	sig	chr8_49911684
chr7	1.29E+08	128915657	+	4.868E-24	1.71946E-22	0.271771	hyper	sig	chr7_128915657
chr6	1E+08	100447313	+	4.872E-24	1.72084E-22	0.209202	hyper	sig	chr6_100447313
chr7	1.51E+08	151014104	+	4.872E-24	1.72084E-22	0.261278	hyper	sig	chr7_151014104
chr19	49024648	49024648	+	4.879E-24	1.72321E-22	-0.22465	hypo	sig	chr19_49024648
chr5	1.41E+08	141421044	+	4.908E-24	1.73331E-22	0.260094	hyper	sig	chr5_141421044
chr19	22286818	22286818	+	4.914E-24	1.73534E-22	0.309486	hyper	sig	chr19_22286818
chr3	1.97E+08	196660634	+	4.928E-24	1.73995E-22	-0.29927	hypo	sig	chr3_196660634
chr11	1.24E+08	123577673	+	4.934E-24	1.74227E-22	-0.28591	hypo	sig	chr11_123577673
chr22	49671277	49671277	+	4.938E-24	1.74354E-22	0.259045	hyper	sig	chr22_49671277
chr11	31805565	31805565	+	4.944E-24	1.74548E-22	0.215706	hyper	sig	chr11_31805565
chr5	78505259	78505259	+	4.946E-24	1.74618E-22	0.207512	hyper	sig	chr5_78505259
chr5	1.42E+08	141512768	+	4.953E-24	1.74844E-22	0.286436	hyper	sig	chr5_141512768
chr6	28634849	28634849	+	4.954E-24	1.74869E-22	0.210489	hyper	sig	chr6_28634849
chr3	1.35E+08	134797477	+	4.955E-24	1.7489E-22	0.30374	hyper	sig	chr3_134797477
chr16	55656652	55656652	+	4.957E-24	1.74966E-22	0.237995	hyper	sig	chr16_55656652
chr1	1.47E+08	147073208	+	4.976E-24	1.75639E-22	0.261303	hyper	sig	chr1_147073208
chr7	19106632	19106632	+	4.982E-24	1.75837E-22	0.229499	hyper	sig	chr7_19106632
chr2	2.08E+08	208124171	+	4.988E-24	1.76014E-22	0.201025	hyper	sig	chr2_208124171
chr6	1.61E+08	160679549	+	4.989E-24	1.76047E-22	0.304244	hyper	sig	chr6_160679549
chr7	2572531	2572531	+	5.004E-24	1.76577E-22	-0.22529	hypo	sig	chr7_2572531
chr2	1.3E+08	130037835	+	5.027E-24	1.77353E-22	0.286452	hyper	sig	chr2_130037835
chr6	37705900	37705900	+	5.027E-24	1.77359E-22	0.250015	hyper	sig	chr6_37705900
chr16	1549229	1549229	+	5.036E-24	1.77667E-22	-0.22825	hypo	sig	chr16_1549229
chr1	2.03E+08	203075648	+	5.046E-24	1.78002E-22	0.249439	hyper	sig	chr1_203075648
chr10	1.3E+08	129793392	+	5.051E-24	1.78179E-22	-0.22406	hypo	sig	chr10_129793392
chr19	12194743	12194743	+	5.058E-24	1.78413E-22	0.27249	hyper	sig	chr19_12194743

chr15	1.02E+08	101653247	+	5.059E-24	1.78429E-22	-0.32903	hypo	sig	chr15_101653247
chr11	45693973	45693973	+	5.064E-24	1.7858E-22	-0.25235	hypo	sig	chr11_45693973
chr16	55656506	55656506	+	5.068E-24	1.7873E-22	0.237941	hyper	sig	chr16_55656506
chr19	36791656	36791656	+	5.077E-24	1.79045E-22	0.240322	hyper	sig	chr19_36791656
chr1	1.1E+08	110151175	+	5.082E-24	1.79212E-22	0.279642	hyper	sig	chr1_110151175
chr16	54290257	54290257	+	5.083E-24	1.7923E-22	0.249764	hyper	sig	chr16_54290257
chr12	3493455	3493455	+	5.089E-24	1.79429E-22	0.277928	hyper	sig	chr12_3493455
chr6	26743646	26743646	+	5.11E-24	1.8015E-22	0.299674	hyper	sig	chr6_26743646
chr11	79189851	79189851	+	5.123E-24	1.8062E-22	-0.23563	hypo	sig	chr11_79189851
chr8	1931443	1931443	+	5.123E-24	1.8062E-22	-0.22989	hypo	sig	chr8_1931443
chr14	28774018	28774018	+	5.133E-24	1.80934E-22	0.265309	hyper	sig	chr14_28774018
chr20	62740120	62740120	+	5.136E-24	1.81061E-22	-0.25154	hypo	sig	chr20_62740120
chr5	88678318	88678318	+	5.144E-24	1.81327E-22	0.234246	hyper	sig	chr5_88678318
chr8	11700721	11700721	+	5.147E-24	1.81414E-22	0.223426	hyper	sig	chr8_11700721
chr2	96527825	96527825	+	5.15E-24	1.8152E-22	0.333765	hyper	sig	chr2_96527825
chr17	58666976	58666976	+	5.16E-24	1.8188E-22	-0.31161	hypo	sig	chr17_58666976
chr5	88678629	88678629	+	5.174E-24	1.82342E-22	0.211392	hyper	sig	chr5_88678629
chr5	1.47E+08	147480175	+	5.183E-24	1.82652E-22	-0.32816	hypo	sig	chr5_147480175
chr7	1.59E+08	158992953	+	5.19E-24	1.82882E-22	0.236477	hyper	sig	chr7_158992953
chr16	86516072	86516072	+	5.2E-24	1.83214E-22	0.22877	hyper	sig	chr16_86516072
chr1	16939026	16939026	+	5.204E-24	1.83347E-22	0.201865	hyper	sig	chr1_16939026
chr19	2213957	2213957	+	5.22E-24	1.83928E-22	0.235991	hyper	sig	chr19_2213957
chr4	41867562	41867562	+	5.225E-24	1.84093E-22	0.226723	hyper	sig	chr4_41867562
chr11	20669841	20669841	+	5.232E-24	1.84315E-22	0.326065	hyper	sig	chr11_20669841
chr12	48198452	48198452	+	5.241E-24	1.84643E-22	0.234826	hyper	sig	chr12_48198452
chr11	31799671	31799671	+	5.243E-24	1.84689E-22	0.365157	hyper	sig	chr11_31799671
chr6	99603011	99603011	+	5.251E-24	1.84958E-22	0.228652	hyper	sig	chr6_99603011
chr14	1.06E+08	105769864	+	5.251E-24	1.84971E-22	-0.25364	hypo	sig	chr14_105769864
chr11	17720596	17720596	+	5.256E-24	1.85137E-22	0.337055	hyper	sig	chr11_17720596
chr17	16683543	16683543	+	5.267E-24	1.85495E-22	0.245882	hyper	sig	chr17_16683543
chr6	1.59E+08	158663447	+	5.272E-24	1.85659E-22	-0.32911	hypo	sig	chr6_158663447
chr6	1.67E+08	167122739	+	5.28E-24	1.85934E-22	-0.2481	hypo	sig	chr6_167122739
chr20	2403721	2403721	+	5.284E-24	1.86074E-22	-0.21332	hypo	sig	chr20_2403721
chr2	1.28E+08	128348827	+	5.295E-24	1.86439E-22	-0.20258	hypo	sig	chr2_128348827
chr16	1266231	1266231	+	5.306E-24	1.86792E-22	-0.28843	hypo	sig	chr16_1266231
chr19	9966613	9966613	+	5.305E-24	1.86792E-22	0.244834	hyper	sig	chr19_9966613
chr5	1.29E+08	128537994	+	5.307E-24	1.86827E-22	0.279831	hyper	sig	chr5_128537994
chr12	1.05E+08	104757059	+	5.312E-24	1.86987E-22	-0.22869	hypo	sig	chr12_104757059
chr7	2662048	2662048	+	5.315E-24	1.871E-22	-0.31494	hypo	sig	chr7_2662048
chr3	6861577	6861577	+	5.336E-24	1.87836E-22	0.31211	hyper	sig	chr3_6861577
chr6	73580783	73580783	+	5.344E-24	1.88087E-22	-0.23678	hypo	sig	chr6_73580783
chr6	37649007	37649007	+	5.352E-24	1.88372E-22	0.311198	hyper	sig	chr6_37649007
chr20	22576830	22576830	+	5.36E-24	1.88638E-22	-0.30096	hypo	sig	chr20_22576830
chr1	18632818	18632818	+	5.37E-24	1.88971E-22	0.213159	hyper	sig	chr1_18632818
chr20	50152249	50152249	+	5.391E-24	1.89705E-22	-0.37029	hypo	sig	chr20_50152249
chr7	1.49E+08	149415311	+	5.419E-24	1.90658E-22	0.269779	hyper	sig	chr7_149415311
chr4	1.74E+08	173531399	+	5.447E-24	1.9164E-22	0.223494	hyper	sig	chr4_173531399
chr3	1.33E+08	133039050	+	5.478E-24	1.9272E-22	0.218187	hyper	sig	chr3_133039050
chr13	94706962	94706962	+	5.506E-24	1.93687E-22	0.245443	hyper	sig	chr13_94706962
chr13	36431970	36431970	+	5.507E-24	1.93715E-22	0.3619	hyper	sig	chr13_36431970
chr17	80891776	80891776	+	5.519E-24	1.94095E-22	-0.23978	hypo	sig	chr17_80891776
chr4	1.74E+08	173527571	+	5.54E-24	1.94836E-22	0.226638	hyper	sig	chr4_173527571
chr18	79453908	79453908	+	5.547E-24	1.95086E-22	-0.24641	hypo	sig	chr18_79453908
chr4	1.25E+08	125316442	+	5.551E-24	1.95198E-22	0.245639	hyper	sig	chr4_125316442
chr3	1.25E+08	125141860	+	5.557E-24	1.95419E-22	0.350072	hyper	sig	chr3_125141860
chr11	64972244	64972244	+	5.562E-24	1.9558E-22	0.31346	hyper	sig	chr11_64972244

chr14	28778252	28778252	+	5.574E-24	1.96001E-22	0.290639	hyper	sig	chr14_28778252
chr4	1.25E+08	125316515	+	5.579E-24	1.96152E-22	0.234426	hyper	sig	chr4_125316515
chr12	6362085	6362085	+	5.584E-24	1.96312E-22	-0.26703	hypo	sig	chr12_6362085
chr1	75130307	75130307	+	5.592E-24	1.96582E-22	0.242746	hyper	sig	chr1_75130307
chr1	2.08E+08	207669801	+	5.594E-24	1.96649E-22	0.205198	hyper	sig	chr1_207669801
chr8	6805696	6805696	+	5.602E-24	1.96924E-22	-0.23865	hypo	sig	chr8_6805696
chr3	1.47E+08	147392049	+	5.623E-24	1.97651E-22	0.305217	hyper	sig	chr3_147392049
chr12	4909433	4909433	+	5.625E-24	1.97716E-22	0.243088	hyper	sig	chr12_4909433
chr3	1.13E+08	113441590	+	5.639E-24	1.98215E-22	0.231857	hyper	sig	chr3_113441590
chr21	33025437	33025437	+	5.665E-24	1.99114E-22	0.255556	hyper	sig	chr21_33025437
chr14	28774296	28774296	+	5.7E-24	2.00335E-22	0.239741	hyper	sig	chr14_28774296
chr19	52535806	52535806	+	5.711E-24	2.00681E-22	0.229759	hyper	sig	chr19_52535806
chr1	7782346	7782346	+	5.714E-24	2.00781E-22	-0.25819	hypo	sig	chr1_7782346
chr12	84913352	84913352	+	5.717E-24	2.009E-22	0.251267	hyper	sig	chr12_84913352
chr21	44999279	44999279	+	5.753E-24	2.02122E-22	-0.24257	hypo	sig	chr21_44999279
chr6	1E+08	100464019	+	5.757E-24	2.02267E-22	0.247019	hyper	sig	chr6_100464019
chr16	88392166	88392166	+	5.779E-24	2.03004E-22	-0.24364	hypo	sig	chr16_88392166
chr5	1.42E+08	141751120	+	5.783E-24	2.03146E-22	-0.26447	hypo	sig	chr5_141751120
chr15	74133177	74133177	+	5.786E-24	2.03255E-22	0.334288	hyper	sig	chr15_74133177
chr3	1.38E+08	137763096	+	5.79E-24	2.03369E-22	0.23621	hyper	sig	chr3_137763096
chr1	1.61E+08	160813453	+	5.803E-24	2.03803E-22	-0.49877	hypo	sig	chr1_160813453
chr16	1093659	1093659	+	5.809E-24	2.04014E-22	-0.23006	hypo	sig	chr16_1093659
chr5	1.8E+08	180336678	+	5.817E-24	2.04275E-22	-0.22602	hypo	sig	chr5_180336678
chr5	1.41E+08	141423071	+	5.818E-24	2.04313E-22	0.281459	hyper	sig	chr5_141423071
chr13	1.08E+08	107868223	+	5.837E-24	2.04964E-22	0.234338	hyper	sig	chr13_107868223
chr5	1.41E+08	141236774	+	5.857E-24	2.05639E-22	0.260296	hyper	sig	chr5_141236774
chr1	1.19E+08	118979770	+	5.861E-24	2.05785E-22	0.274276	hyper	sig	chr1_118979770
chr8	29315451	29315451	+	5.864E-24	2.05868E-22	-0.24145	hypo	sig	chr8_29315451
chr14	1.01E+08	101022054	+	5.868E-24	2.06013E-22	-0.21681	hypo	sig	chr14_101022054
chr1	1.45E+08	144551240	+	5.872E-24	2.06145E-22	0.264334	hyper	sig	chr1_144551240
chr22	48577070	48577070	+	5.917E-24	2.07716E-22	0.252432	hyper	sig	chr22_48577070
chr11	19346093	19346093	+	5.919E-24	2.0777E-22	0.247577	hyper	sig	chr11_19346093
chr5	1194011	1194011	+	5.927E-24	2.08043E-22	-0.23781	hypo	sig	chr5_1194011
chr4	80266108	80266108	+	5.928E-24	2.08077E-22	0.236645	hyper	sig	chr4_80266108
chr1	27351430	27351430	+	5.936E-24	2.08345E-22	0.264042	hyper	sig	chr1_27351430
chr7	1.28E+08	128201573	+	5.945E-24	2.0865E-22	0.286086	hyper	sig	chr7_128201573
chr10	7411970	7411970	+	5.946E-24	2.08662E-22	0.346838	hyper	sig	chr10_7411970
chr16	10182845	10182845	+	5.98E-24	2.09843E-22	0.309235	hyper	sig	chr16_10182845
chr4	80266098	80266098	+	5.99E-24	2.102E-22	0.219586	hyper	sig	chr4_80266098
chr2	55923343	55923343	+	5.991E-24	2.10221E-22	0.209559	hyper	sig	chr2_55923343
chr8	57276438	57276438	+	5.999E-24	2.10499E-22	-0.27964	hypo	sig	chr8_57276438
chr5	1891587	1891587	+	6.006E-24	2.10722E-22	-0.20498	hypo	sig	chr5_1891587
chr5	1744230	1744230	+	6.013E-24	2.10952E-22	-0.23093	hypo	sig	chr5_1744230
chr7	1.5E+08	150385575	+	6.016E-24	2.11073E-22	0.230992	hyper	sig	chr7_150385575
chr3	1.38E+08	137771821	+	6.024E-24	2.1133E-22	0.217947	hyper	sig	chr3_137771821
chr1	18798767	18798767	+	6.036E-24	2.11745E-22	-0.22476	hypo	sig	chr1_18798767
chr16	86507853	86507853	+	6.039E-24	2.11835E-22	0.264379	hyper	sig	chr16_86507853
chr19	11482203	11482203	+	6.047E-24	2.12108E-22	0.353981	hyper	sig	chr19_11482203
chr16	3236051	3236051	+	6.051E-24	2.12259E-22	-0.33592	hypo	sig	chr16_3236051
chr10	1.18E+08	117551932	+	6.053E-24	2.12293E-22	0.21672	hyper	sig	chr10_117551932
chr4	4858377	4858377	+	6.064E-24	2.12684E-22	0.236105	hyper	sig	chr4_4858377
chr14	93924902	93924902	+	6.073E-24	2.12982E-22	-0.24736	hypo	sig	chr14_93924902
chr3	1.47E+08	147405408	+	6.086E-24	2.13417E-22	0.217207	hyper	sig	chr3_147405408
chr4	1.44E+08	143700245	+	6.102E-24	2.13951E-22	0.277645	hyper	sig	chr4_143700245
chr7	1.49E+08	149415265	+	6.102E-24	2.13951E-22	0.253669	hyper	sig	chr7_149415265
chr17	61495567	61495567	+	6.11E-24	2.14203E-22	-0.27903	hypo	sig	chr17_61495567

chr9	3180937	3180937	+	6.111E-24	2.14228E-22	0.235208	hyper	sig	chr9_3180937
chr22	26170019	26170019	+	6.112E-24	2.14251E-22	0.249993	hyper	sig	chr22_26170019
chr19	57099351	57099351	+	6.12E-24	2.14532E-22	0.259882	hyper	sig	chr19_57099351
chr7	6842481	6842481	+	6.136E-24	2.15082E-22	-0.26122	hypo	sig	chr7_6842481
chr8	64586216	64586216	+	6.148E-24	2.15483E-22	0.264484	hyper	sig	chr8_64586216
chr12	48198739	48198739	+	6.149E-24	2.15515E-22	0.235297	hyper	sig	chr12_48198739
chr11	614842	614842	+	6.17E-24	2.16221E-22	-0.23442	hypo	sig	chr11_614842
chr1	2922761	2922761	+	6.175E-24	2.16363E-22	-0.21697	hypo	sig	chr1_2922761
chr8	90791972	90791972	+	6.195E-24	2.17053E-22	0.255246	hyper	sig	chr8_90791972
chr16	1443732	1443732	+	6.207E-24	2.17484E-22	-0.2913	hypo	sig	chr16_1443732
chr19	3821230	3821230	+	6.214E-24	2.17711E-22	-0.3842	hypo	sig	chr19_3821230
chr20	21102301	21102301	+	6.227E-24	2.1817E-22	0.229451	hyper	sig	chr20_21102301
chr9	975856	975856	+	6.236E-24	2.18469E-22	0.248689	hyper	sig	chr9_975856
chr12	1.13E+08	113476036	+	6.254E-24	2.19068E-22	0.261306	hyper	sig	chr12_113476036
chr17	80478237	80478237	+	6.256E-24	2.19132E-22	0.219844	hyper	sig	chr17_80478237
chr2	2.42E+08	241891423	+	6.268E-24	2.19541E-22	-0.25163	hypo	sig	chr2_241891423
chr17	1737415	1737415	+	6.281E-24	2.19986E-22	0.225754	hyper	sig	chr17_1737415
chr9	1.28E+08	127925236	+	6.284E-24	2.20082E-22	-0.22987	hypo	sig	chr9_127925236
chr19	31348656	31348656	+	6.293E-24	2.20382E-22	0.200298	hyper	sig	chr19_31348656
chr6	28091177	28091177	+	6.33E-24	2.21649E-22	0.204065	hyper	sig	chr6_28091177
chr14	1.01E+08	100735261	+	6.348E-24	2.22274E-22	-0.27347	hypo	sig	chr14_100735261
chr7	813518	813518	+	6.366E-24	2.22915E-22	-0.21766	hypo	sig	chr7_813518
chr5	1.78E+08	178281530	+	6.377E-24	2.23291E-22	-0.23269	hypo	sig	chr5_178281530
chr12	1.32E+08	132356680	+	6.386E-24	2.23592E-22	-0.21852	hypo	sig	chr12_132356680
chr17	80064363	80064363	+	6.387E-24	2.23599E-22	-0.25239	hypo	sig	chr17_80064363
chr16	86931713	86931713	+	6.404E-24	2.24196E-22	-0.21264	hypo	sig	chr16_86931713
chr17	35448914	35448914	+	6.427E-24	2.24986E-22	0.261906	hyper	sig	chr17_35448914
chr15	22949480	22949480	+	6.433E-24	2.25178E-22	-0.3124	hypo	sig	chr15_22949480
chr7	1.57E+08	157003157	+	6.44E-24	2.25437E-22	0.269502	hyper	sig	chr7_157003157
chr10	23173296	23173296	+	6.444E-24	2.2554E-22	0.28265	hyper	sig	chr10_23173296
chr13	1.12E+08	112057695	+	6.453E-24	2.25865E-22	0.247433	hyper	sig	chr13_112057695
chr6	50706809	50706809	+	6.468E-24	2.26364E-22	0.219926	hyper	sig	chr6_50706809
chr16	84032517	84032517	+	6.472E-24	2.265E-22	-0.26427	hypo	sig	chr16_84032517
chr6	75205110	75205110	+	6.481E-24	2.26822E-22	0.222789	hyper	sig	chr6_75205110
chr1	1.77E+08	177171473	+	6.487E-24	2.27015E-22	0.247655	hyper	sig	chr1_177171473
chr14	26598451	26598451	+	6.514E-24	2.27917E-22	0.27917	hyper	sig	chr14_26598451
chr14	89139898	89139898	+	6.524E-24	2.28231E-22	-0.25891	hypo	sig	chr14_89139898
chr9	1.34E+08	133712652	+	6.528E-24	2.28369E-22	-0.32414	hypo	sig	chr9_133712652
chr17	81003820	81003820	+	6.531E-24	2.28453E-22	-0.2621	hypo	sig	chr17_81003820
chr6	1.69E+08	168999551	+	6.54E-24	2.28784E-22	-0.33584	hypo	sig	chr6_168999551
chr6	1.33E+08	133242710	+	6.548E-24	2.29058E-22	0.263115	hyper	sig	chr6_133242710
chr1	4684736	4684736	+	6.557E-24	2.2933E-22	-0.28884	hypo	sig	chr1_4684736
chr1	2428659	2428659	+	6.567E-24	2.29671E-22	-0.20189	hypo	sig	chr1_2428659
chr14	99749086	99749086	+	6.571E-24	2.29824E-22	-0.25547	hypo	sig	chr14_99749086
chr4	6472150	6472150	+	6.586E-24	2.30314E-22	0.232158	hyper	sig	chr4_6472150
chr11	63763559	63763559	+	6.59E-24	2.30453E-22	-0.25709	hypo	sig	chr11_63763559
chr2	88766052	88766052	+	6.597E-24	2.30697E-22	0.226015	hyper	sig	chr2_88766052
chr2	1.76E+08	176124817	+	6.602E-24	2.30855E-22	-0.2165	hypo	sig	chr2_176124817
chr5	1.77E+08	176889987	+	6.619E-24	2.31439E-22	-0.25418	hypo	sig	chr5_176889987
chr3	1.92E+08	192408503	+	6.628E-24	2.31725E-22	0.29669	hyper	sig	chr3_192408503
chr14	75281294	75281294	+	6.65E-24	2.3249E-22	-0.29806	hypo	sig	chr14_75281294
chr17	81153513	81153513	+	6.654E-24	2.32634E-22	-0.29264	hypo	sig	chr17_81153513
chr9	98944395	98944395	+	6.67E-24	2.33167E-22	0.223873	hyper	sig	chr9_98944395
chr19	30453599	30453599	+	6.671E-24	2.33189E-22	-0.24	hypo	sig	chr19_30453599
chr5	1.41E+08	141403389	+	6.688E-24	2.33772E-22	0.21509	hyper	sig	chr5_141403389
chr16	88957126	88957126	+	6.689E-24	2.33809E-22	-0.23942	hypo	sig	chr16_88957126

chr3	1.97E+08	197027647	+	6.704E-24	2.34303E-22	-0.26032	hypo	sig	chr3_197027647
chr14	95903506	95903506	+	6.716E-24	2.34707E-22	-0.22997	hypo	sig	chr14_95903506
chr12	4911560	4911560	+	6.742E-24	2.356E-22	0.269612	hyper	sig	chr12_4911560
chr10	1.32E+08	132104650	+	6.753E-24	2.35981E-22	-0.2606	hypo	sig	chr10_132104650
chr8	88326876	88326876	+	6.758E-24	2.36134E-22	0.202673	hyper	sig	chr8_88326876
chr14	36659355	36659355	+	6.768E-24	2.36482E-22	0.257352	hyper	sig	chr14_36659355
chr19	12195353	12195353	+	6.799E-24	2.3753E-22	0.247979	hyper	sig	chr19_12195353
chr17	42685095	42685095	+	6.814E-24	2.38044E-22	0.302425	hyper	sig	chr17_42685095
chr17	80353039	80353039	+	6.815E-24	2.38089E-22	-0.22245	hypo	sig	chr17_80353039
chr13	42574146	42574146	+	6.833E-24	2.38702E-22	0.23074	hyper	sig	chr13_42574146
chr7	1237873	1237873	+	6.838E-24	2.38848E-22	0.273051	hyper	sig	chr7_1237873
chr2	1654394	1654394	+	6.839E-24	2.38876E-22	-0.3534	hypo	sig	chr2_1654394
chr5	1.75E+08	175060021	+	6.853E-24	2.39359E-22	0.248528	hyper	sig	chr5_175060021
chr12	54014672	54014672	+	6.863E-24	2.39682E-22	0.2625	hyper	sig	chr12_54014672
chr13	1.07E+08	106530732	+	6.864E-24	2.39715E-22	-0.31636	hypo	sig	chr13_106530732
chr5	5302081	5302081	+	6.899E-24	2.40912E-22	-0.344	hypo	sig	chr5_5302081
chr17	7425349	7425349	+	6.91E-24	2.41283E-22	-0.21142	hypo	sig	chr17_7425349
chr11	32427711	32427711	+	6.91E-24	2.41289E-22	0.292145	hyper	sig	chr11_32427711
chr2	80302562	80302562	+	6.913E-24	2.4137E-22	0.32107	hyper	sig	chr2_80302562
chr16	1543487	1543487	+	6.919E-24	2.41593E-22	-0.20056	hypo	sig	chr16_1543487
chr17	82342463	82342463	+	6.942E-24	2.42362E-22	-0.30561	hypo	sig	chr17_82342463
chr6	99606044	99606044	+	6.947E-24	2.42544E-22	0.260774	hyper	sig	chr6_99606044
chr5	19988253	19988253	+	6.953E-24	2.42748E-22	0.222954	hyper	sig	chr5_19988253
chr16	79589728	79589728	+	6.98E-24	2.43662E-22	0.255128	hyper	sig	chr16_79589728
chr2	2.4E+08	240304667	+	6.986E-24	2.43875E-22	-0.24515	hypo	sig	chr2_240304667
chr15	89409662	89409662	+	6.995E-24	2.44145E-22	0.251096	hyper	sig	chr15_89409662
chr16	85286203	85286203	+	6.996E-24	2.44192E-22	-0.25363	hypo	sig	chr16_85286203
chr20	61898692	61898692	+	6.996E-24	2.44193E-22	-0.23526	hypo	sig	chr20_61898692
chr8	1.38E+08	138496856	+	6.998E-24	2.44222E-22	0.290627	hyper	sig	chr8_138496856
chr9	1.33E+08	133474344	+	7.018E-24	2.44926E-22	-0.23518	hypo	sig	chr9_133474344
chr17	42685016	42685016	+	7.031E-24	2.45369E-22	0.297472	hyper	sig	chr17_42685016
chr7	1169849	1169849	+	7.037E-24	2.45563E-22	0.230686	hyper	sig	chr7_1169849
chr17	42685057	42685057	+	7.038E-24	2.45566E-22	0.249545	hyper	sig	chr17_42685057
chr8	1.43E+08	143274846	+	7.038E-24	2.45575E-22	-0.24935	hypo	sig	chr8_143274846
chr16	30894952	30894952	+	7.052E-24	2.4604E-22	-0.23754	hypo	sig	chr16_30894952
chr10	1.01E+08	100659586	+	7.057E-24	2.46194E-22	0.2692	hyper	sig	chr10_100659586
chr5	1.59E+08	159104607	+	7.063E-24	2.46409E-22	0.257146	hyper	sig	chr5_159104607
chr14	56811418	56811418	+	7.073E-24	2.46733E-22	0.235944	hyper	sig	chr14_56811418
chr3	55482275	55482275	+	7.074E-24	2.46762E-22	0.254594	hyper	sig	chr3_55482275
chr6	1.68E+08	167978081	+	7.076E-24	2.46825E-22	-0.26334	hypo	sig	chr6_167978081
chr10	1.03E+08	103277961	+	7.107E-24	2.47879E-22	0.288489	hyper	sig	chr10_103277961
chr5	64507201	64507201	+	7.109E-24	2.47922E-22	0.381753	hyper	sig	chr5_64507201
chr14	23388811	23388811	+	7.116E-24	2.48147E-22	-0.28288	hypo	sig	chr14_23388811
chr12	81759669	81759669	+	7.116E-24	2.48156E-22	0.245542	hyper	sig	chr12_81759669
chr16	1105299	1105299	+	7.152E-24	2.49384E-22	-0.26002	hypo	sig	chr16_1105299
chr2	1.82E+08	181683944	+	7.154E-24	2.49457E-22	0.324115	hyper	sig	chr2_181683944
chr20	56926021	56926021	+	7.159E-24	2.49618E-22	0.245834	hyper	sig	chr20_56926021
chr1	3001812	3001812	+	7.163E-24	2.49722E-22	-0.25045	hypo	sig	chr1_3001812
chr7	69599815	69599815	+	7.17E-24	2.49958E-22	0.275908	hyper	sig	chr7_69599815
chr21	45303291	45303291	+	7.175E-24	2.50138E-22	-0.25509	hypo	sig	chr21_45303291
chr10	1.32E+08	132280875	+	7.178E-24	2.50216E-22	-0.26156	hypo	sig	chr10_132280875
chr5	77632667	77632667	+	7.18E-24	2.50292E-22	0.313793	hyper	sig	chr5_77632667
chr10	90857347	90857347	+	7.181E-24	2.5031E-22	0.265768	hyper	sig	chr10_90857347
chr11	20596702	20596702	+	7.185E-24	2.50422E-22	0.22908	hyper	sig	chr11_20596702
chr13	24932137	24932137	+	7.19E-24	2.50596E-22	0.234696	hyper	sig	chr13_24932137
chr10	1.01E+08	101062075	+	7.205E-24	2.51118E-22	-0.3235	hypo	sig	chr10_101062075

chr12	4910176	4910176	+	7.208E-24	2.51198E-22	0.380304	hyper	sig	chr12_4910176
chr3	1.72E+08	172448399	+	7.216E-24	2.5146E-22	0.240472	hyper	sig	chr3_172448399
chr5	524148	524148	+	7.22E-24	2.51598E-22	0.22334	hyper	sig	chr5_524148
chr19	35558464	35558464	+	7.248E-24	2.52575E-22	0.253611	hyper	sig	chr19_35558464
chr7	49775044	49775044	+	7.276E-24	2.53527E-22	0.203963	hyper	sig	chr7_49775044
chr1	44118825	44118825	+	7.277E-24	2.53563E-22	-0.29806	hypo	sig	chr1_44118825
chr15	64894232	64894232	+	7.287E-24	2.53885E-22	0.227848	hyper	sig	chr15_64894232
chr13	1.12E+08	112057710	+	7.294E-24	2.54119E-22	0.231686	hyper	sig	chr13_112057710
chr12	1.1E+08	109606743	+	7.3E-24	2.54289E-22	-0.28296	hypo	sig	chr12_109606743
chr12	1.27E+08	127146267	+	7.308E-24	2.54574E-22	0.285268	hyper	sig	chr12_127146267
chr13	45713642	45713642	+	7.311E-24	2.54668E-22	-0.22156	hypo	sig	chr13_45713642
chr15	74133172	74133172	+	7.313E-24	2.5472E-22	0.328297	hyper	sig	chr15_74133172
chr6	50843112	50843112	+	7.319E-24	2.54913E-22	0.219358	hyper	sig	chr6_50843112
chr3	1.47E+08	147424579	+	7.321E-24	2.5497E-22	0.203191	hyper	sig	chr3_147424579
chr19	45472921	45472921	+	7.36E-24	2.56328E-22	0.319584	hyper	sig	chr19_45472921
chr17	48576981	48576981	+	7.363E-24	2.56411E-22	-0.23112	hypo	sig	chr17_48576981
chr11	15938058	15938058	+	7.389E-24	2.57298E-22	-0.25196	hypo	sig	chr11_15938058
chr5	1.41E+08	141423098	+	7.403E-24	2.57782E-22	0.265686	hyper	sig	chr5_141423098
chr20	9507219	9507219	+	7.406E-24	2.57881E-22	0.320739	hyper	sig	chr20_9507219
chr1	2.28E+08	228149925	+	7.425E-24	2.585E-22	-0.26163	hypo	sig	chr1_228149925
chr17	10197900	10197900	+	7.439E-24	2.58981E-22	0.242348	hyper	sig	chr17_10197900
chr3	62377424	62377424	+	7.442E-24	2.59076E-22	0.268279	hyper	sig	chr3_62377424
chr20	63120577	63120577	+	7.48E-24	2.60384E-22	-0.2696	hypo	sig	chr20_63120577
chr11	1.35E+08	134657090	+	7.485E-24	2.60546E-22	-0.24217	hypo	sig	chr11_134657090
chr11	66421233	66421233	+	7.491E-24	2.60737E-22	0.297433	hyper	sig	chr11_66421233
chr12	53973191	53973191	+	7.493E-24	2.60798E-22	0.264996	hyper	sig	chr12_53973191
chr6	32057004	32057004	+	7.494E-24	2.60831E-22	-0.2589	hypo	sig	chr6_32057004
chr5	88678303	88678303	+	7.545E-24	2.62552E-22	0.224417	hyper	sig	chr5_88678303
chr2	2.42E+08	241891390	+	7.547E-24	2.62602E-22	-0.23762	hypo	sig	chr2_241891390
chr3	1.82E+08	181703760	+	7.58E-24	2.63735E-22	0.227141	hyper	sig	chr3_181703760
chr6	6004090	6004090	+	7.594E-24	2.6421E-22	0.241781	hyper	sig	chr6_6004090
chr18	45838250	45838250	+	7.595E-24	2.6422E-22	-0.21284	hypo	sig	chr18_45838250
chr19	57363918	57363918	+	7.597E-24	2.64294E-22	0.211424	hyper	sig	chr19_57363918
chr6	1.69E+08	168999593	+	7.599E-24	2.64346E-22	-0.2869	hypo	sig	chr6_168999593
chr19	19860801	19860801	+	7.601E-24	2.64405E-22	0.266959	hyper	sig	chr19_19860801
chr16	1104965	1104965	+	7.656E-24	2.66282E-22	-0.25905	hypo	sig	chr16_1104965
chr20	63648985	63648985	+	7.669E-24	2.66701E-22	-0.27242	hypo	sig	chr20_63648985
chr9	1.13E+08	112945437	+	7.669E-24	2.66715E-22	-0.25573	hypo	sig	chr9_112945437
chr16	49491359	49491359	+	7.677E-24	2.66965E-22	-0.23098	hypo	sig	chr16_49491359
chr10	1.01E+08	101062144	+	7.702E-24	2.67818E-22	-0.35427	hypo	sig	chr10_101062144
chr1	1.71E+08	170660414	+	7.707E-24	2.67977E-22	0.266286	hyper	sig	chr1_170660414
chr19	48966708	48966708	+	7.72E-24	2.68432E-22	-0.27121	hypo	sig	chr19_48966708
chr1	1.19E+08	118979745	+	7.725E-24	2.68587E-22	0.307746	hyper	sig	chr1_118979745
chr8	10333492	10333492	+	7.742E-24	2.69147E-22	-0.23642	hypo	sig	chr8_10333492
chr17	36939720	36939720	+	7.747E-24	2.69308E-22	0.21294	hyper	sig	chr17_36939720
chr5	1446153	1446153	+	7.756E-24	2.69612E-22	0.27606	hyper	sig	chr5_1446153
chr6	28825895	28825895	+	7.772E-24	2.70145E-22	0.253196	hyper	sig	chr6_28825895
chr17	48725520	48725520	+	7.778E-24	2.70344E-22	0.203301	hyper	sig	chr17_48725520
chr5	1.41E+08	141430484	+	7.791E-24	2.70793E-22	0.233954	hyper	sig	chr5_141430484
chr5	3605840	3605840	+	7.806E-24	2.71288E-22	0.25014	hyper	sig	chr5_3605840
chr11	20596662	20596662	+	7.809E-24	2.71395E-22	0.256138	hyper	sig	chr11_20596662
chr3	1.35E+08	134650651	+	7.815E-24	2.71558E-22	0.254828	hyper	sig	chr3_134650651
chr4	3774642	3774642	+	7.815E-24	2.71571E-22	-0.23751	hypo	sig	chr4_3774642
chr3	1.54E+08	154428607	+	7.836E-24	2.72265E-22	0.288788	hyper	sig	chr3_154428607
chr14	1.01E+08	100729746	+	7.836E-24	2.72266E-22	-0.22449	hypo	sig	chr14_100729746
chr16	1428573	1428573	+	7.839E-24	2.72348E-22	-0.23565	hypo	sig	chr16_1428573

chr17	78041321	78041321	+	7.844E-24	2.72514E-22	-0.24315	hypo	sig	chr17_78041321
chr8	66963123	66963123	+	7.844E-24	2.72521E-22	0.295854	hyper	sig	chr8_66963123
chr22	39100437	39100437	+	7.845E-24	2.72534E-22	-0.30475	hypo	sig	chr22_39100437
chr6	10882906	10882906	+	7.873E-24	2.73504E-22	0.259854	hyper	sig	chr6_10882906
chr3	1.14E+08	114239061	+	7.874E-24	2.73508E-22	-0.2611	hypo	sig	chr3_114239061
chr7	1.58E+08	157588439	+	7.883E-24	2.73817E-22	-0.27833	hypo	sig	chr7_157588439
chr10	99531570	99531570	+	7.887E-24	2.73913E-22	0.204837	hyper	sig	chr10_99531570
chr2	1.31E+08	131040495	+	7.904E-24	2.74518E-22	0.238667	hyper	sig	chr2_131040495
chr16	30007345	30007345	+	7.927E-24	2.75287E-22	-0.27012	hypo	sig	chr16_30007345
chr13	20946250	20946250	+	7.928E-24	2.7531E-22	0.308103	hyper	sig	chr13_20946250
chr5	3590321	3590321	+	7.938E-24	2.75671E-22	0.292376	hyper	sig	chr5_3590321
chr18	50298750	50298750	+	7.952E-24	2.76119E-22	0.262094	hyper	sig	chr18_50298750
chr20	23048427	23048427	+	7.963E-24	2.7651E-22	0.286789	hyper	sig	chr20_23048427
chr9	977801	977801	+	7.964E-24	2.76517E-22	0.238164	hyper	sig	chr9_977801
chr19	345312	345312	+	7.969E-24	2.76693E-22	0.236272	hyper	sig	chr19_345312
chr13	36431926	36431926	+	7.974E-24	2.76852E-22	0.368807	hyper	sig	chr13_36431926
chr5	1.77E+08	177474501	+	8.006E-24	2.77939E-22	-0.27115	hypo	sig	chr5_177474501
chr16	75207262	75207262	+	8.012E-24	2.78109E-22	-0.20662	hypo	sig	chr16_75207262
chr17	79787356	79787356	+	8.012E-24	2.78109E-22	-0.22977	hypo	sig	chr17_79787356
chr17	83056194	83056194	+	8.012E-24	2.78112E-22	-0.21967	hypo	sig	chr17_83056194
chr5	1.59E+08	159097396	+	8.03E-24	2.78708E-22	0.288429	hyper	sig	chr5_159097396
chr10	23695030	23695030	+	8.088E-24	2.80686E-22	0.247243	hyper	sig	chr10_23695030
chr17	68198860	68198860	+	8.103E-24	2.81209E-22	0.20573	hyper	sig	chr17_68198860
chr11	57647172	57647172	+	8.115E-24	2.81587E-22	0.249671	hyper	sig	chr11_57647172
chr1	38134516	38134516	+	8.118E-24	2.81701E-22	0.209299	hyper	sig	chr1_38134516
chr3	1.47E+08	147410994	+	8.13E-24	2.82107E-22	0.222371	hyper	sig	chr3_147410994
chr4	8599822	8599822	+	8.149E-24	2.82732E-22	-0.26704	hypo	sig	chr4_8599822
chr7	27103846	27103846	+	8.152E-24	2.8281E-22	0.227464	hyper	sig	chr7_27103846
chr22	39459858	39459858	+	8.156E-24	2.82942E-22	-0.26703	hypo	sig	chr22_39459858
chr16	89202279	89202279	+	8.166E-24	2.83285E-22	0.215592	hyper	sig	chr16_89202279
chr4	1.55E+08	154742159	+	8.177E-24	2.83651E-22	0.233902	hyper	sig	chr4_154742159
chr11	68842913	68842913	+	8.189E-24	2.84028E-22	-0.27487	hypo	sig	chr11_68842913
chr17	40026290	40026290	+	8.19E-24	2.84074E-22	-0.25068	hypo	sig	chr17_40026290
chr6	32197399	32197399	+	8.206E-24	2.84591E-22	-0.21571	hypo	sig	chr6_32197399
chr17	44558421	44558421	+	8.207E-24	2.84615E-22	0.271985	hyper	sig	chr17_44558421
chr20	58184026	58184026	+	8.214E-24	2.84867E-22	-0.25148	hypo	sig	chr20_58184026
chr1	38578473	38578473	+	8.215E-24	2.84885E-22	0.212131	hyper	sig	chr1_38578473
chr17	81554063	81554063	+	8.217E-24	2.84955E-22	-0.23384	hypo	sig	chr17_81554063
chr2	1.76E+08	176084177	+	8.251E-24	2.86113E-22	0.262372	hyper	sig	chr2_176084177
chr2	1.19E+08	119432457	+	8.259E-24	2.86376E-22	-0.2772	hypo	sig	chr2_119432457
chr6	84767212	84767212	+	8.267E-24	2.8663E-22	0.249884	hyper	sig	chr6_84767212
chr5	1.81E+08	180813651	+	8.293E-24	2.87516E-22	-0.25474	hypo	sig	chr5_180813651
chr5	1.81E+08	181221838	+	8.295E-24	2.87556E-22	-0.21173	hypo	sig	chr5_181221838
chr4	305174	305174	+	8.306E-24	2.8793E-22	0.239062	hyper	sig	chr4_305174
chr15	52789056	52789056	+	8.308E-24	2.87978E-22	0.252547	hyper	sig	chr15_52789056
chr15	90212793	90212793	+	8.314E-24	2.88143E-22	-0.23146	hypo	sig	chr15_90212793
chr14	1.05E+08	104637398	+	8.314E-24	2.88148E-22	-0.25033	hypo	sig	chr14_104637398
chr10	99530454	99530454	+	8.315E-24	2.88162E-22	0.242552	hyper	sig	chr10_99530454
chr2	1.2E+08	119523943	+	8.321E-24	2.88348E-22	0.311201	hyper	sig	chr2_119523943
chr8	1.42E+08	141974026	+	8.324E-24	2.88446E-22	-0.23427	hypo	sig	chr8_141974026
chr1	1.53E+08	152787296	+	8.327E-24	2.88519E-22	-0.23052	hypo	sig	chr1_152787296
chr16	1443882	1443882	+	8.329E-24	2.88577E-22	-0.26743	hypo	sig	chr16_1443882
chr11	77044500	77044500	+	8.329E-24	2.88579E-22	-0.22049	hypo	sig	chr11_77044500
chr10	1.3E+08	129852067	+	8.331E-24	2.88628E-22	-0.23947	hypo	sig	chr10_129852067
chr3	1.37E+08	136818327	+	8.349E-24	2.89247E-22	-0.25725	hypo	sig	chr3_136818327
chr3	62374090	62374090	+	8.353E-24	2.89373E-22	0.24011	hyper	sig	chr3_62374090

chr22	39688744	39688744	+	8.376E-24	2.90126E-22	-0.23197	hypo	sig	chr22_39688744
chr21	42395977	42395977	+	8.378E-24	2.90172E-22	-0.27745	hypo	sig	chr21_42395977
chr9	971792	971792	+	8.398E-24	2.9087E-22	0.301694	hyper	sig	chr9_971792
chr6	1E+08	100467336	+	8.418E-24	2.91533E-22	0.209273	hyper	sig	chr6_100467336
chr9	1.31E+08	131308188	+	8.424E-24	2.91727E-22	-0.23635	hypo	sig	chr9_131308188
chr13	1.12E+08	112106886	+	8.432E-24	2.92002E-22	0.207212	hyper	sig	chr13_112106886
chr6	5994288	5994288	+	8.471E-24	2.93326E-22	0.246728	hyper	sig	chr6_5994288
chr14	24171910	24171910	+	8.476E-24	2.93499E-22	0.214259	hyper	sig	chr14_24171910
chr5	1.71E+08	171313954	+	8.509E-24	2.94591E-22	0.245707	hyper	sig	chr5_171313954
chr8	54455011	54455011	+	8.517E-24	2.94844E-22	0.291481	hyper	sig	chr8_54455011
chr6	1.46E+08	146029056	+	8.521E-24	2.94968E-22	0.234099	hyper	sig	chr6_146029056
chr3	1.96E+08	196338635	+	8.522E-24	2.94989E-22	-0.39	hypo	sig	chr3_196338635
chr17	8965250	8965250	+	8.534E-24	2.95383E-22	0.261956	hyper	sig	chr17_8965250
chr13	78595550	78595550	+	8.564E-24	2.96415E-22	0.204062	hyper	sig	chr13_78595550
chr8	1.44E+08	143951442	+	8.579E-24	2.96907E-22	-0.22606	hypo	sig	chr8_143951442
chr16	84302480	84302480	+	8.599E-24	2.97576E-22	-0.24546	hypo	sig	chr16_84302480
chr15	25234858	25234858	+	8.601E-24	2.97649E-22	-0.22112	hypo	sig	chr15_25234858
chr17	75700429	75700429	+	8.615E-24	2.98134E-22	-0.30534	hypo	sig	chr17_75700429
chr6	1.37E+08	137495338	+	8.627E-24	2.98526E-22	0.213007	hyper	sig	chr6_137495338
chr1	3231043	3231043	+	8.648E-24	2.99223E-22	-0.22472	hypo	sig	chr1_3231043
chr16	1266152	1266152	+	8.65E-24	2.99272E-22	-0.23937	hypo	sig	chr16_1266152
chr12	1.31E+08	131489689	+	8.663E-24	2.99714E-22	-0.33824	hypo	sig	chr12_131489689
chr1	2.28E+08	228058974	+	8.681E-24	3.00315E-22	0.241634	hyper	sig	chr1_228058974
chr19	1428885	1428885	+	8.691E-24	3.00668E-22	-0.25159	hypo	sig	chr19_1428885
chr2	2.06E+08	206274475	+	8.696E-24	3.00811E-22	0.210117	hyper	sig	chr2_206274475
chr13	1.14E+08	113650727	+	8.713E-24	3.0139E-22	-0.26724	hypo	sig	chr13_113650727
chr13	1.12E+08	111945238	+	8.721E-24	3.01642E-22	-0.21304	hypo	sig	chr13_111945238
chr1	63320262	63320262	+	8.738E-24	3.02215E-22	0.24156	hyper	sig	chr1_63320262
chr16	88118403	88118403	+	8.759E-24	3.02925E-22	-0.2002	hypo	sig	chr16_88118403
chr2	2.19E+08	218962122	+	8.769E-24	3.03279E-22	0.256598	hyper	sig	chr2_218962122
chr8	48870564	48870564	+	8.772E-24	3.03352E-22	0.310992	hyper	sig	chr8_48870564
chr3	1.82E+08	181703758	+	8.797E-24	3.04212E-22	0.226873	hyper	sig	chr3_181703758
chr8	10731566	10731566	+	8.826E-24	3.05198E-22	0.224561	hyper	sig	chr8_10731566
chr16	1146604	1146604	+	8.864E-24	3.06473E-22	-0.33352	hypo	sig	chr16_1146604
chr12	1.33E+08	132766852	+	8.88E-24	3.06986E-22	-0.25114	hypo	sig	chr12_132766852
chr16	88691194	88691194	+	8.883E-24	3.0708E-22	-0.21891	hypo	sig	chr16_88691194
chr19	55547376	55547376	+	8.908E-24	3.07946E-22	-0.28735	hypo	sig	chr19_55547376
chr17	50571329	50571329	+	8.912E-24	3.08066E-22	-0.25447	hypo	sig	chr17_50571329
chr11	57647164	57647164	+	8.923E-24	3.08426E-22	0.243179	hyper	sig	chr11_57647164
chr7	1.53E+08	152892704	+	8.932E-24	3.08719E-22	-0.26662	hypo	sig	chr7_152892704
chr3	62369850	62369850	+	8.944E-24	3.09142E-22	0.288587	hyper	sig	chr3_62369850
chr14	1.04E+08	104303838	+	8.953E-24	3.09447E-22	-0.27358	hypo	sig	chr14_104303838
chr8	64376670	64376670	+	8.975E-24	3.10179E-22	0.29129	hyper	sig	chr8_64376670
chr10	1.33E+08	132851684	+	8.978E-24	3.10263E-22	-0.30288	hypo	sig	chr10_132851684
chr8	1.43E+08	142777190	+	8.981E-24	3.10343E-22	0.231909	hyper	sig	chr8_142777190
chr5	1.41E+08	141383159	+	8.982E-24	3.10365E-22	0.210188	hyper	sig	chr5_141383159
chr13	27794969	27794969	+	8.985E-24	3.10459E-22	0.251231	hyper	sig	chr13_27794969
chr18	47248696	47248696	+	8.992E-24	3.10698E-22	0.259893	hyper	sig	chr18_47248696
chr16	29156631	29156631	+	9.006E-24	3.1116E-22	-0.22588	hypo	sig	chr16_29156631
chr15	74133211	74133211	+	9.007E-24	3.11187E-22	0.308188	hyper	sig	chr15_74133211
chr1	26410854	26410854	+	9.037E-24	3.12205E-22	0.284401	hyper	sig	chr1_26410854
chr16	46638934	46638934	+	9.049E-24	3.12585E-22	-0.29502	hypo	sig	chr16_46638934
chr6	27680562	27680562	+	9.049E-24	3.12587E-22	0.263354	hyper	sig	chr6_27680562
chr12	1.1E+08	109554941	+	9.066E-24	3.13143E-22	-0.30377	hypo	sig	chr12_109554941
chr16	1288449	1288449	+	9.081E-24	3.13654E-22	-0.21451	hypo	sig	chr16_1288449
chr5	1.41E+08	141408336	+	9.084E-24	3.13732E-22	0.260178	hyper	sig	chr5_141408336

chr8	1.43E+08	142681994	+	9.084E-24	3.13732E-22	-0.20876	hypo	sig	chr8_142681994
chr8	1.44E+08	144050406	+	9.084E-24	3.13732E-22	0.217192	hyper	sig	chr8_144050406
chr5	42993876	42993876	+	9.103E-24	3.1435E-22	0.270835	hyper	sig	chr5_42993876
chr19	52336424	52336424	+	9.108E-24	3.14492E-22	0.272063	hyper	sig	chr19_52336424
chr1	2.37E+08	237043209	+	9.123E-24	3.14998E-22	0.226713	hyper	sig	chr1_237043209
chr17	49964527	49964527	+	9.14E-24	3.15576E-22	0.310763	hyper	sig	chr17_49964527
chr16	3184274	3184274	+	9.149E-24	3.15869E-22	0.305142	hyper	sig	chr16_3184274
chr13	52848160	52848160	+	9.162E-24	3.16303E-22	0.291316	hyper	sig	chr13_52848160
chr6	1625309	1625309	+	9.165E-24	3.16404E-22	0.267985	hyper	sig	chr6_1625309
chr1	2.4E+08	240093870	+	9.216E-24	3.18136E-22	0.347826	hyper	sig	chr1_240093870
chr1	1.47E+08	147080160	+	9.219E-24	3.18224E-22	0.260905	hyper	sig	chr1_147080160
chr8	24915723	24915723	+	9.247E-24	3.19182E-22	0.230572	hyper	sig	chr8_24915723
chr22	22520247	22520247	+	9.259E-24	3.19587E-22	-0.24902	hypo	sig	chr22_22520247
chr11	57647153	57647153	+	9.262E-24	3.19667E-22	0.21777	hyper	sig	chr11_57647153
chr17	78041241	78041241	+	9.288E-24	3.20563E-22	-0.20933	hypo	sig	chr17_78041241
chr11	22193795	22193795	+	9.347E-24	3.22553E-22	0.204164	hyper	sig	chr11_22193795
chr10	8069768	8069768	+	9.361E-24	3.22999E-22	-0.27144	hypo	sig	chr10_8069768
chr2	44943223	44943223	+	9.383E-24	3.23763E-22	0.282889	hyper	sig	chr2_44943223
chr10	472301	472301	+	9.414E-24	3.24781E-22	-0.25228	hypo	sig	chr10_472301
chr13	24764069	24764069	+	9.472E-24	3.26728E-22	-0.30318	hypo	sig	chr13_24764069
chr13	1.1E+08	110311769	+	9.472E-24	3.26728E-22	-0.23542	hypo	sig	chr13_110311769
chr4	108006	108006	+	9.481E-24	3.26996E-22	0.3734	hyper	sig	chr4_108006
chr13	1.1E+08	109784374	+	9.486E-24	3.27164E-22	-0.22125	hypo	sig	chr13_109784374
chr11	8169082	8169082	+	9.488E-24	3.27226E-22	0.230354	hyper	sig	chr11_8169082
chr22	49671315	49671315	+	9.493E-24	3.27394E-22	0.26193	hyper	sig	chr22_49671315
chr12	1.33E+08	132908152	+	9.529E-24	3.28584E-22	0.25375	hyper	sig	chr12_132908152
chr10	1.33E+08	132989634	+	9.53E-24	3.28615E-22	-0.20318	hypo	sig	chr10_132989634
chr7	1.37E+08	136871534	+	9.553E-24	3.29408E-22	0.255523	hyper	sig	chr7_136871534
chr3	13041603	13041603	+	9.586E-24	3.30468E-22	-0.23107	hypo	sig	chr3_13041603
chr3	1.27E+08	126704910	+	9.589E-24	3.30567E-22	0.299225	hyper	sig	chr3_126704910
chr8	52939592	52939592	+	9.589E-24	3.3057E-22	0.357697	hyper	sig	chr8_52939592
chr14	41606593	41606593	+	9.606E-24	3.31141E-22	0.30707	hyper	sig	chr14_41606593
chr16	1038451	1038451	+	9.607E-24	3.31147E-22	-0.23834	hypo	sig	chr16_1038451
chr16	69742466	69742466	+	9.635E-24	3.32098E-22	-0.25272	hypo	sig	chr16_69742466
chr20	21519699	21519699	+	9.656E-24	3.32783E-22	0.280108	hyper	sig	chr20_21519699
chr3	33218428	33218428	+	9.656E-24	3.32784E-22	0.299399	hyper	sig	chr3_33218428
chr3	1.13E+08	113441568	+	9.658E-24	3.32849E-22	0.248839	hyper	sig	chr3_113441568
chr8	883183	883183	+	9.701E-24	3.34296E-22	-0.21371	hypo	sig	chr8_883183
chr2	1.15E+08	115161205	+	9.726E-24	3.35137E-22	0.247809	hyper	sig	chr2_115161205
chr17	78041222	78041222	+	9.728E-24	3.3519E-22	-0.22017	hypo	sig	chr17_78041222
chr6	83709643	83709643	+	9.734E-24	3.35376E-22	0.234469	hyper	sig	chr6_83709643
chr15	26866902	26866902	+	9.747E-24	3.358E-22	0.274595	hyper	sig	chr15_26866902
chr14	1.01E+08	101065780	+	9.769E-24	3.36553E-22	-0.27098	hypo	sig	chr14_101065780
chr12	1.19E+08	118980890	+	9.8E-24	3.37571E-22	0.205919	hyper	sig	chr12_118980890
chr16	89248138	89248138	+	9.808E-24	3.37839E-22	0.318632	hyper	sig	chr16_89248138
chr5	16180284	16180284	+	9.828E-24	3.38506E-22	0.276699	hyper	sig	chr5_16180284
chr3	62374085	62374085	+	9.832E-24	3.3864E-22	0.232939	hyper	sig	chr3_62374085
chr2	2.22E+08	222304810	+	9.84E-24	3.38906E-22	0.252716	hyper	sig	chr2_222304810
chr2	74516437	74516437	+	9.879E-24	3.40199E-22	0.327006	hyper	sig	chr2_74516437
chr11	32438154	32438154	+	9.882E-24	3.40281E-22	0.223252	hyper	sig	chr11_32438154
chr10	93069256	93069256	+	9.909E-24	3.412E-22	0.214976	hyper	sig	chr10_93069256
chr13	83906672	83906672	+	9.911E-24	3.4123E-22	-0.25115	hypo	sig	chr13_83906672
chr19	12721035	12721035	+	9.911E-24	3.4123E-22	0.288201	hyper	sig	chr19_12721035
chr8	22154303	22154303	+	9.952E-24	3.42641E-22	-0.27118	hypo	sig	chr8_22154303
chr14	47675815	47675815	+	9.972E-24	3.43289E-22	0.258604	hyper	sig	chr14_47675815
chr1	1.08E+08	107964452	+	1.001E-23	3.44636E-22	0.263367	hyper	sig	chr1_107964452

chr17	77373863	77373863	+	1.003E-23	3.45198E-22	0.285008	hyper	sig	chr17_77373863
chr4	1.55E+08	155204945	+	1.005E-23	3.45998E-22	-0.34162	hypo	sig	chr4_155204945
chr2	2.38E+08	238404062	+	1.006E-23	3.46129E-22	0.202907	hyper	sig	chr2_238404062
chr11	1.12E+08	111540346	+	1.006E-23	3.46378E-22	0.260735	hyper	sig	chr11_111540346
chr7	1.18E+08	118214657	+	1.007E-23	3.46565E-22	0.201753	hyper	sig	chr7_118214657
chr13	36432252	36432252	+	1.007E-23	3.46626E-22	0.284446	hyper	sig	chr13_36432252
chr5	33936592	33936592	+	1.008E-23	3.46781E-22	0.252723	hyper	sig	chr5_33936592
chr12	48198852	48198852	+	1.009E-23	3.4704E-22	0.258478	hyper	sig	chr12_48198852
chr10	25935087	25935087	+	1.009E-23	3.47231E-22	0.215667	hyper	sig	chr10_25935087
chr19	19861041	19861041	+	1.011E-23	3.47816E-22	0.221678	hyper	sig	chr19_19861041
chr17	36464903	36464903	+	1.012E-23	3.48286E-22	0.324593	hyper	sig	chr17_36464903
chr6	1.01E+08	101403405	+	1.013E-23	3.48372E-22	0.212519	hyper	sig	chr6_101403405
chr1	1.57E+08	156860481	+	1.014E-23	3.48702E-22	0.235022	hyper	sig	chr1_156860481
chr14	28774383	28774383	+	1.014E-23	3.4876E-22	0.217157	hyper	sig	chr14_28774383
chr13	1.08E+08	108496663	+	1.015E-23	3.49057E-22	0.360943	hyper	sig	chr13_108496663
chr1	1.6E+08	160085500	+	1.015E-23	3.4919E-22	-0.25083	hypo	sig	chr1_160085500
chr5	10652184	10652184	+	1.016E-23	3.49529E-22	-0.31924	hypo	sig	chr5_10652184
chr19	2511398	2511398	+	1.017E-23	3.49653E-22	-0.32452	hypo	sig	chr19_2511398
chr15	98525095	98525095	+	1.021E-23	3.51228E-22	-0.29049	hypo	sig	chr15_98525095
chr5	51387605	51387605	+	1.022E-23	3.51565E-22	0.213631	hyper	sig	chr5_51387605
chr13	1.12E+08	112073978	+	1.023E-23	3.51789E-22	0.200039	hyper	sig	chr13_112073978
chr7	1.55E+08	154913724	+	1.023E-23	3.51804E-22	0.210421	hyper	sig	chr7_154913724
chr7	1.55E+08	155373487	+	1.028E-23	3.53398E-22	0.215216	hyper	sig	chr7_155373487
chr8	56157483	56157483	+	1.03E-23	3.54048E-22	0.309877	hyper	sig	chr8_56157483
chr16	51153785	51153785	+	1.03E-23	3.54198E-22	0.292322	hyper	sig	chr16_51153785
chr7	1.58E+08	157521606	+	1.031E-23	3.54582E-22	-0.2155	hypo	sig	chr7_157521606
chr16	1533906	1533906	+	1.033E-23	3.55053E-22	0.232222	hyper	sig	chr16_1533906
chr13	95644952	95644952	+	1.034E-23	3.55398E-22	0.226991	hyper	sig	chr13_95644952
chr1	2.28E+08	228416016	+	1.034E-23	3.55448E-22	0.263211	hyper	sig	chr1_228416016
chr13	1.13E+08	112892076	+	1.034E-23	3.55471E-22	-0.27715	hypo	sig	chr13_112892076
chr12	1.14E+08	114400779	+	1.034E-23	3.55572E-22	0.257816	hyper	sig	chr12_114400779
chr4	1.04E+08	103720107	+	1.036E-23	3.56074E-22	0.263188	hyper	sig	chr4_103720107
chr1	2.08E+08	207645576	+	1.037E-23	3.56454E-22	0.201884	hyper	sig	chr1_207645576
chr7	90118970	90118970	+	1.039E-23	3.57065E-22	0.218341	hyper	sig	chr7_90118970
chr2	1.61E+08	161427498	+	1.039E-23	3.57166E-22	0.215672	hyper	sig	chr2_161427498
chr11	57640008	57640008	+	1.04E-23	3.57537E-22	-0.35596	hypo	sig	chr11_57640008
chr4	4858233	4858233	+	1.043E-23	3.58543E-22	0.241476	hyper	sig	chr4_4858233
chr15	26774246	26774246	+	1.044E-23	3.58887E-22	0.220582	hyper	sig	chr15_26774246
chr15	89360461	89360461	+	1.046E-23	3.59307E-22	0.252938	hyper	sig	chr15_89360461
chr11	1.3E+08	129743679	+	1.046E-23	3.59319E-22	-0.27782	hypo	sig	chr11_129743679
chr19	56671538	56671538	+	1.047E-23	3.5973E-22	0.257439	hyper	sig	chr19_56671538
chr12	1.33E+08	132558292	+	1.048E-23	3.59979E-22	-0.23403	hypo	sig	chr12_132558292
chr16	46731462	46731462	+	1.05E-23	3.60529E-22	-0.27636	hypo	sig	chr16_46731462
chr7	1.59E+08	159006989	+	1.055E-23	3.62229E-22	-0.22694	hypo	sig	chr7_159006989
chr11	94401061	94401061	+	1.057E-23	3.63154E-22	0.286668	hyper	sig	chr11_94401061
chr19	12156312	12156312	+	1.062E-23	3.64767E-22	0.362134	hyper	sig	chr19_12156312
chr5	1.44E+08	143820590	+	1.063E-23	3.64957E-22	-0.29994	hypo	sig	chr5_143820590
chr10	1.33E+08	132923687	+	1.063E-23	3.64999E-22	-0.27079	hypo	sig	chr10_132923687
chr5	1.34E+08	134113851	+	1.064E-23	3.65201E-22	0.21621	hyper	sig	chr5_134113851
chr4	1540682	1540682	+	1.065E-23	3.65534E-22	-0.28161	hypo	sig	chr4_1540682
chr5	1.41E+08	141362450	+	1.07E-23	3.67195E-22	0.255872	hyper	sig	chr5_141362450
chr11	2189076	2189076	+	1.07E-23	3.67302E-22	-0.22312	hypo	sig	chr11_2189076
chr19	57240353	57240353	+	1.07E-23	3.67326E-22	0.224484	hyper	sig	chr19_57240353
chr12	1.14E+08	114439624	+	1.071E-23	3.67433E-22	0.296328	hyper	sig	chr12_114439624
chr10	1.32E+08	132186510	+	1.071E-23	3.67693E-22	0.254096	hyper	sig	chr10_132186510
chr15	26868373	26868373	+	1.074E-23	3.68685E-22	0.39043	hyper	sig	chr15_26868373

chr7	97026134	97026134	+	1.077E-23	3.69731E-22	0.231505	hyper	sig	chr7_97026134
chr6	1.69E+08	169225568	+	1.079E-23	3.70345E-22	-0.26629	hypo	sig	chr6_169225568
chr12	62191319	62191319	+	1.083E-23	3.71743E-22	0.25002	hyper	sig	chr12_62191319
chr20	25082187	25082187	+	1.085E-23	3.72316E-22	0.23539	hyper	sig	chr20_25082187
chr6	27680666	27680666	+	1.088E-23	3.73397E-22	0.247768	hyper	sig	chr6_27680666
chr11	1926427	1926427	+	1.092E-23	3.74626E-22	-0.24829	hypo	sig	chr11_1926427
chr12	24563639	24563639	+	1.096E-23	3.76073E-22	0.21216	hyper	sig	chr12_24563639
chr15	65396870	65396870	+	1.098E-23	3.76688E-22	0.278947	hyper	sig	chr15_65396870
chr18	78977613	78977613	+	1.099E-23	3.76903E-22	0.327594	hyper	sig	chr18_78977613
chr6	1E+08	100448163	+	1.102E-23	3.77916E-22	0.28663	hyper	sig	chr6_100448163
chr13	27795379	27795379	+	1.103E-23	3.78351E-22	0.242062	hyper	sig	chr13_27795379
chr1	1205312	1205312	+	1.105E-23	3.7889E-22	-0.23943	hypo	sig	chr1_1205312
chr11	32433418	32433418	+	1.106E-23	3.7927E-22	0.204016	hyper	sig	chr11_32433418
chr1	1.47E+08	147078555	+	1.107E-23	3.79568E-22	0.259141	hyper	sig	chr1_147078555
chr16	72961220	72961220	+	1.109E-23	3.80283E-22	-0.30855	hypo	sig	chr16_72961220
chr5	1.73E+08	173244703	+	1.11E-23	3.80418E-22	0.323196	hyper	sig	chr5_173244703
chr15	45704336	45704336	+	1.111E-23	3.80894E-22	0.241712	hyper	sig	chr15_45704336
chr6	1.01E+08	101402667	+	1.115E-23	3.8221E-22	0.223306	hyper	sig	chr6_101402667
chr13	20946223	20946223	+	1.116E-23	3.82541E-22	0.341342	hyper	sig	chr13_20946223
chr4	1.47E+08	146637390	+	1.117E-23	3.82941E-22	0.252626	hyper	sig	chr4_146637390
chr12	75207721	75207721	+	1.118E-23	3.8303E-22	0.285762	hyper	sig	chr12_75207721
chr17	36464890	36464890	+	1.119E-23	3.8337E-22	0.293465	hyper	sig	chr17_36464890
chr5	50969862	50969862	+	1.119E-23	3.83458E-22	0.203699	hyper	sig	chr5_50969862
chr1	1.57E+08	156647022	+	1.12E-23	3.8392E-22	0.25771	hyper	sig	chr1_156647022
chr10	1.01E+08	101134223	+	1.123E-23	3.84916E-22	0.226675	hyper	sig	chr10_101134223
chr1	2.21E+08	220882457	+	1.124E-23	3.85198E-22	0.221264	hyper	sig	chr1_220882457
chr8	56113744	56113744	+	1.125E-23	3.8548E-22	0.246399	hyper	sig	chr8_56113744
chr14	56809916	56809916	+	1.127E-23	3.86322E-22	0.288082	hyper	sig	chr14_56809916
chr2	2.41E+08	240672624	+	1.129E-23	3.8679E-22	0.221515	hyper	sig	chr2_240672624
chr3	1.34E+08	133674806	+	1.131E-23	3.87419E-22	0.287366	hyper	sig	chr3_133674806
chr13	26760226	26760226	+	1.133E-23	3.88097E-22	0.225604	hyper	sig	chr13_26760226
chr7	50303702	50303702	+	1.135E-23	3.8879E-22	0.230122	hyper	sig	chr7_50303702
chr13	26760122	26760122	+	1.135E-23	3.88836E-22	0.213124	hyper	sig	chr13_26760122
chr5	44389240	44389240	+	1.136E-23	3.88967E-22	0.297657	hyper	sig	chr5_44389240
chr1	17149619	17149619	+	1.136E-23	3.89191E-22	0.273531	hyper	sig	chr1_17149619
chr5	44389289	44389289	+	1.136E-23	3.89192E-22	0.314453	hyper	sig	chr5_44389289
chr4	55125312	55125312	+	1.137E-23	3.89262E-22	0.312287	hyper	sig	chr4_55125312
chr20	45097860	45097860	+	1.137E-23	3.89496E-22	0.241948	hyper	sig	chr20_45097860
chr2	1.72E+08	172080648	+	1.138E-23	3.8968E-22	0.205582	hyper	sig	chr2_172080648
chr6	10385191	10385191	+	1.138E-23	3.89842E-22	0.297891	hyper	sig	chr6_10385191
chr10	1.32E+08	132296402	+	1.141E-23	3.90558E-22	-0.20803	hypo	sig	chr10_132296402
chr14	41607552	41607552	+	1.141E-23	3.90796E-22	0.217017	hyper	sig	chr14_41607552
chr1	6466143	6466143	+	1.141E-23	3.90845E-22	0.270831	hyper	sig	chr1_6466143
chr8	72538303	72538303	+	1.142E-23	3.91091E-22	0.329522	hyper	sig	chr8_72538303
chr10	1.33E+08	133326197	+	1.144E-23	3.91738E-22	0.237198	hyper	sig	chr10_133326197
chr3	1.92E+08	192410202	+	1.144E-23	3.91791E-22	0.385687	hyper	sig	chr3_192410202
chr6	83854177	83854177	+	1.145E-23	3.91972E-22	0.260484	hyper	sig	chr6_83854177
chr11	2135052	2135052	+	1.147E-23	3.92535E-22	-0.21511	hypo	sig	chr11_2135052
chr7	561824	561824	+	1.147E-23	3.92593E-22	0.267798	hyper	sig	chr7_561824
chr16	88818562	88818562	+	1.149E-23	3.93139E-22	-0.28413	hypo	sig	chr16_88818562
chr10	1.33E+08	132850967	+	1.151E-23	3.93855E-22	-0.21747	hypo	sig	chr10_132850967
chr19	52336434	52336434	+	1.152E-23	3.94444E-22	0.257142	hyper	sig	chr19_52336434
chr3	1.25E+08	125141999	+	1.154E-23	3.95127E-22	0.265415	hyper	sig	chr3_125141999
chr14	1.04E+08	104155344	+	1.16E-23	3.96827E-22	-0.25517	hypo	sig	chr14_104155344
chr21	46296529	46296529	+	1.16E-23	3.96869E-22	0.217875	hyper	sig	chr21_46296529
chr3	50496195	50496195	+	1.161E-23	3.97427E-22	-0.27477	hypo	sig	chr3_50496195

chr1	1.19E+08	118979305	+	1.162E-23	3.97638E-22	0.261012	hyper	sig	chr1_118979305
chr13	36346634	36346634	+	1.162E-23	3.97638E-22	0.297138	hyper	sig	chr13_36346634
chr13	1.12E+08	112254315	+	1.164E-23	3.98182E-22	-0.26183	hypo	sig	chr13_112254315
chr8	64379219	64379219	+	1.165E-23	3.98508E-22	0.236106	hyper	sig	chr8_64379219
chr7	2569990	2569990	+	1.174E-23	4.01507E-22	-0.25428	hypo	sig	chr7_2569990
chr13	57629540	57629540	+	1.174E-23	4.01523E-22	0.275377	hyper	sig	chr13_57629540
chr12	1.3E+08	130161916	+	1.177E-23	4.02474E-22	0.22645	hyper	sig	chr12_130161916
chr22	37204749	37204749	+	1.178E-23	4.02996E-22	-0.21967	hypo	sig	chr22_37204749
chr5	32522904	32522904	+	1.179E-23	4.03188E-22	-0.24621	hypo	sig	chr5_32522904
chr6	1.66E+08	166165665	+	1.186E-23	4.05472E-22	0.240893	hyper	sig	chr6_166165665
chr19	13882556	13882556	+	1.186E-23	4.05646E-22	-0.262	hypo	sig	chr19_13882556
chr12	85278807	85278807	+	1.188E-23	4.06245E-22	0.227506	hyper	sig	chr12_85278807
chr4	4864370	4864370	+	1.189E-23	4.06452E-22	0.26455	hyper	sig	chr4_4864370
chr18	7116624	7116624	+	1.193E-23	4.07916E-22	0.252484	hyper	sig	chr18_7116624
chr8	1.43E+08	142533570	+	1.195E-23	4.08585E-22	-0.23143	hypo	sig	chr8_142533570
chr16	55328876	55328876	+	1.198E-23	4.09499E-22	0.278456	hyper	sig	chr16_55328876
chr12	1.32E+08	131618436	+	1.198E-23	4.09604E-22	0.207937	hyper	sig	chr12_131618436
chr4	1.77E+08	176792195	+	1.2E-23	4.10202E-22	0.24786	hyper	sig	chr4_176792195
chr7	1.44E+08	143885512	+	1.201E-23	4.10474E-22	0.313339	hyper	sig	chr7_143885512
chr15	96366592	96366592	+	1.207E-23	4.1256E-22	0.242731	hyper	sig	chr15_96366592
chr5	1.5E+08	150303295	+	1.209E-23	4.1319E-22	0.248633	hyper	sig	chr5_150303295
chr12	85279498	85279498	+	1.214E-23	4.14967E-22	0.25801	hyper	sig	chr12_85279498
chr5	83471798	83471798	+	1.214E-23	4.14967E-22	0.211032	hyper	sig	chr5_83471798
chr14	1.04E+08	104220290	+	1.215E-23	4.15332E-22	-0.2143	hypo	sig	chr14_104220290
chr1	1117695	1117695	+	1.216E-23	4.15405E-22	-0.22413	hypo	sig	chr1_1117695
chr5	1.7E+08	169637670	+	1.216E-23	4.15674E-22	0.293981	hyper	sig	chr5_169637670
chr19	599343	599343	+	1.222E-23	4.1765E-22	-0.25765	hypo	sig	chr19_599343
chr4	1.84E+08	184268200	+	1.225E-23	4.18551E-22	-0.34944	hypo	sig	chr4_184268200
chr8	66961210	66961210	+	1.226E-23	4.18816E-22	0.207504	hyper	sig	chr8_66961210
chr2	11105285	11105285	+	1.226E-23	4.18821E-22	-0.28766	hypo	sig	chr2_11105285
chr5	1362634	1362634	+	1.229E-23	4.19845E-22	-0.20666	hypo	sig	chr5_1362634
chr1	1.19E+08	119000621	+	1.229E-23	4.19981E-22	0.211031	hyper	sig	chr1_119000621
chr19	5839032	5839032	+	1.231E-23	4.20454E-22	-0.23736	hypo	sig	chr19_5839032
chr18	45775694	45775694	+	1.233E-23	4.21051E-22	0.266768	hyper	sig	chr18_45775694
chr4	8410581	8410581	+	1.234E-23	4.21483E-22	-0.22679	hypo	sig	chr4_8410581
chr7	1602154	1602154	+	1.238E-23	4.22857E-22	-0.20664	hypo	sig	chr7_1602154
chr5	38557345	38557345	+	1.239E-23	4.22981E-22	0.245667	hyper	sig	chr5_38557345
chr15	29278591	29278591	+	1.24E-23	4.23296E-22	-0.33946	hypo	sig	chr15_29278591
chr3	1.92E+08	192410187	+	1.243E-23	4.24566E-22	0.387906	hyper	sig	chr3_192410187
chr11	788588	788588	+	1.247E-23	4.25588E-22	-0.24169	hypo	sig	chr11_788588
chr22	23573358	23573358	+	1.247E-23	4.25733E-22	-0.2785	hypo	sig	chr22_23573358
chr10	3127293	3127293	+	1.251E-23	4.26934E-22	-0.28509	hypo	sig	chr10_3127293
chr10	1.14E+08	113552813	+	1.251E-23	4.26991E-22	-0.2234	hypo	sig	chr10_113552813
chr7	1.5E+08	150047449	+	1.254E-23	4.28014E-22	0.267842	hyper	sig	chr7_150047449
chr19	57584282	57584282	+	1.255E-23	4.28296E-22	0.314477	hyper	sig	chr19_57584282
chr5	1.41E+08	141236807	+	1.255E-23	4.28486E-22	0.245403	hyper	sig	chr5_141236807
chr18	11752100	11752100	+	1.257E-23	4.29093E-22	0.337754	hyper	sig	chr18_11752100
chr15	59993494	59993494	+	1.258E-23	4.29369E-22	0.240307	hyper	sig	chr15_59993494
chr14	41605945	41605945	+	1.258E-23	4.29394E-22	0.273284	hyper	sig	chr14_41605945
chr13	36297689	36297689	+	1.259E-23	4.29752E-22	0.228767	hyper	sig	chr13_36297689
chr2	1.19E+08	118849854	+	1.26E-23	4.3015E-22	0.261113	hyper	sig	chr2_118849854
chr2	1.85E+08	184598152	+	1.261E-23	4.30284E-22	0.210934	hyper	sig	chr2_184598152
chr5	1.41E+08	140926496	+	1.264E-23	4.31119E-22	0.253501	hyper	sig	chr5_140926496
chr1	75135596	75135596	+	1.266E-23	4.31853E-22	0.268953	hyper	sig	chr1_75135596
chr7	82442808	82442808	+	1.267E-23	4.3212E-22	0.213493	hyper	sig	chr7_82442808
chr15	52794873	52794873	+	1.268E-23	4.32623E-22	0.260554	hyper	sig	chr15_52794873

chr16	57764433	57764433	+	1.269E-23	4.3276E-22	-0.27775	hypo	sig	chr16_57764433
chr22	39381745	39381745	+	1.269E-23	4.328E-22	-0.26201	hypo	sig	chr22_39381745
chr17	7425415	7425415	+	1.27E-23	4.33169E-22	-0.23471	hypo	sig	chr17_7425415
chr10	1.33E+08	132851609	+	1.27E-23	4.33275E-22	-0.26808	hypo	sig	chr10_132851609
chr20	40690695	40690695	+	1.272E-23	4.33898E-22	0.216573	hyper	sig	chr20_40690695
chr21	18245781	18245781	+	1.274E-23	4.34445E-22	0.234292	hyper	sig	chr21_18245781
chr5	1.16E+08	115962125	+	1.274E-23	4.34531E-22	0.27666	hyper	sig	chr5_115962125
chr16	85697671	85697671	+	1.275E-23	4.34759E-22	-0.24432	hypo	sig	chr16_85697671
chr1	3543939	3543939	+	1.276E-23	4.34972E-22	-0.23708	hypo	sig	chr1_3543939
chr19	19860977	19860977	+	1.276E-23	4.35128E-22	0.248524	hyper	sig	chr19_19860977
chr4	1.22E+08	121764486	+	1.278E-23	4.35569E-22	0.269319	hyper	sig	chr4_121764486
chr5	1.41E+08	141355234	+	1.278E-23	4.35569E-22	0.222091	hyper	sig	chr5_141355234
chr17	80353043	80353043	+	1.28E-23	4.36311E-22	-0.26192	hypo	sig	chr17_80353043
chr11	1.19E+08	119371995	+	1.284E-23	4.37543E-22	-0.25963	hypo	sig	chr11_119371995
chr6	10422345	10422345	+	1.284E-23	4.37556E-22	0.267415	hyper	sig	chr6_10422345
chr17	79118558	79118558	+	1.285E-23	4.38E-22	-0.2644	hypo	sig	chr17_79118558
chr7	1.59E+08	158979082	+	1.288E-23	4.38987E-22	-0.23625	hypo	sig	chr7_158979082
chr16	51151631	51151631	+	1.289E-23	4.39244E-22	0.291108	hyper	sig	chr16_51151631
chr20	25083642	25083642	+	1.291E-23	4.39928E-22	0.267452	hyper	sig	chr20_25083642
chr19	53963229	53963229	+	1.293E-23	4.40689E-22	0.325146	hyper	sig	chr19_53963229
chr4	1.25E+08	125317743	+	1.297E-23	4.41918E-22	0.218963	hyper	sig	chr4_125317743
chr8	70070609	70070609	+	1.299E-23	4.42666E-22	0.323282	hyper	sig	chr8_70070609
chr4	1.11E+08	110614369	+	1.3E-23	4.43107E-22	0.309485	hyper	sig	chr4_110614369
chr5	1.41E+08	141419239	+	1.301E-23	4.4329E-22	0.266244	hyper	sig	chr5_141419239
chr6	1.59E+08	158649976	+	1.301E-23	4.43324E-22	-0.20003	hypo	sig	chr6_158649976
chr13	52845512	52845512	+	1.305E-23	4.44612E-22	0.253609	hyper	sig	chr13_52845512
chr20	838426	838426	+	1.305E-23	4.44612E-22	-0.28128	hypo	sig	chr20_838426
chr10	26218504	26218504	+	1.309E-23	4.45995E-22	0.326114	hyper	sig	chr10_26218504
chr12	1.13E+08	113479718	+	1.31E-23	4.46355E-22	0.295261	hyper	sig	chr12_113479718
chr16	88818597	88818597	+	1.31E-23	4.46355E-22	-0.20857	hypo	sig	chr16_88818597
chr6	1.37E+08	136923568	+	1.312E-23	4.46819E-22	0.333188	hyper	sig	chr6_136923568
chr1	1.57E+08	156845157	+	1.314E-23	4.47462E-22	0.224444	hyper	sig	chr1_156845157
chr1	1.47E+08	147080050	+	1.315E-23	4.47719E-22	0.203467	hyper	sig	chr1_147080050
chr6	50706948	50706948	+	1.316E-23	4.48061E-22	0.269111	hyper	sig	chr6_50706948
chr1	52843548	52843548	+	1.316E-23	4.48077E-22	0.326397	hyper	sig	chr1_52843548
chr6	1.68E+08	168443389	+	1.32E-23	4.49356E-22	0.230653	hyper	sig	chr6_168443389
chr7	1.55E+08	155070731	+	1.32E-23	4.49568E-22	0.246812	hyper	sig	chr7_155070731
chr17	82321143	82321143	+	1.325E-23	4.5107E-22	-0.313	hypo	sig	chr17_82321143
chr3	62374035	62374035	+	1.327E-23	4.51601E-22	0.215636	hyper	sig	chr3_62374035
chr7	1.58E+08	157692538	+	1.329E-23	4.52227E-22	0.266471	hyper	sig	chr7_157692538
chr2	1691544	1691544	+	1.333E-23	4.53677E-22	-0.2444	hypo	sig	chr2_1691544
chr3	1.94E+08	194376555	+	1.333E-23	4.53701E-22	-0.28027	hypo	sig	chr3_194376555
chr12	75207719	75207719	+	1.334E-23	4.54079E-22	0.282732	hyper	sig	chr12_75207719
chr2	1.3E+08	129723428	+	1.337E-23	4.55055E-22	-0.24924	hypo	sig	chr2_129723428
chr16	49277845	49277845	+	1.339E-23	4.55583E-22	0.284951	hyper	sig	chr16_49277845
chr7	42493635	42493635	+	1.341E-23	4.56246E-22	0.209296	hyper	sig	chr7_42493635
chr5	37838514	37838514	+	1.341E-23	4.56263E-22	0.254192	hyper	sig	chr5_37838514
chr5	38846341	38846341	+	1.342E-23	4.5658E-22	0.294567	hyper	sig	chr5_38846341
chr2	2.31E+08	231401436	+	1.344E-23	4.57336E-22	0.291339	hyper	sig	chr2_231401436
chr4	1.54E+08	153789674	+	1.347E-23	4.58118E-22	0.254081	hyper	sig	chr4_153789674
chr12	1.14E+08	114409773	+	1.35E-23	4.59074E-22	0.26999	hyper	sig	chr12_114409773
chr20	872866	872866	+	1.351E-23	4.59452E-22	-0.24342	hypo	sig	chr20_872866
chr8	1.13E+08	113432832	+	1.351E-23	4.59659E-22	0.214273	hyper	sig	chr8_113432832
chr15	25863586	25863586	+	1.352E-23	4.59915E-22	0.271731	hyper	sig	chr15_25863586
chr15	34495834	34495834	+	1.353E-23	4.60254E-22	0.23709	hyper	sig	chr15_34495834
chr19	38569674	38569674	+	1.357E-23	4.61432E-22	-0.2594	hypo	sig	chr19_38569674

chr12	40692971	40692971	+	1.358E-23	4.61745E-22	0.21023	hyper	sig	chr12_40692971
chr4	1.11E+08	110641322	+	1.36E-23	4.62586E-22	0.243691	hyper	sig	chr4_110641322
chr19	3178798	3178798	+	1.364E-23	4.63709E-22	-0.21583	hypo	sig	chr19_3178798
chr7	1.02E+08	102119411	+	1.364E-23	4.6371E-22	-0.31604	hypo	sig	chr7_102119411
chr5	1.73E+08	173244807	+	1.364E-23	4.63793E-22	0.349862	hyper	sig	chr5_173244807
chr17	45896941	45896941	+	1.37E-23	4.65674E-22	0.278313	hyper	sig	chr17_45896941
chr11	94401500	94401500	+	1.373E-23	4.66598E-22	0.248803	hyper	sig	chr11_94401500
chr13	23547243	23547243	+	1.374E-23	4.66894E-22	0.269429	hyper	sig	chr13_23547243
chr13	26051271	26051271	+	1.379E-23	4.68577E-22	0.249937	hyper	sig	chr13_26051271
chr1	22602587	22602587	+	1.38E-23	4.68844E-22	-0.23097	hypo	sig	chr1_22602587
chr6	27680558	27680558	+	1.382E-23	4.69612E-22	0.265663	hyper	sig	chr6_27680558
chr7	1.5E+08	149714230	+	1.385E-23	4.70676E-22	0.350569	hyper	sig	chr7_149714230
chr20	9507241	9507241	+	1.39E-23	4.72212E-22	0.314508	hyper	sig	chr20_9507241
chr6	1.69E+08	168999563	+	1.39E-23	4.72326E-22	-0.31408	hypo	sig	chr6_168999563
chr4	3263424	3263424	+	1.39E-23	4.72346E-22	-0.21819	hypo	sig	chr4_3263424
chr10	1.19E+08	118595136	+	1.394E-23	4.73428E-22	0.257222	hyper	sig	chr10_118595136
chr6	50836457	50836457	+	1.395E-23	4.73773E-22	0.225205	hyper	sig	chr6_50836457
chr12	15221263	15221263	+	1.398E-23	4.74899E-22	0.306452	hyper	sig	chr12_15221263
chr13	1.14E+08	114143982	+	1.4E-23	4.75414E-22	-0.30196	hypo	sig	chr13_114143982
chr11	19715691	19715691	+	1.404E-23	4.76653E-22	-0.22128	hypo	sig	chr11_19715691
chr2	1.15E+08	115161198	+	1.408E-23	4.78112E-22	0.233065	hyper	sig	chr2_115161198
chr11	17722089	17722089	+	1.408E-23	4.78175E-22	0.21582	hyper	sig	chr11_17722089
chr10	1.31E+08	131310877	+	1.411E-23	4.79176E-22	0.201862	hyper	sig	chr10_131310877
chr11	89491874	89491874	+	1.411E-23	4.79187E-22	-0.39369	hypo	sig	chr11_89491874
chr11	32429099	32429099	+	1.412E-23	4.79538E-22	0.232084	hyper	sig	chr11_32429099
chr16	1439108	1439108	+	1.414E-23	4.79918E-22	-0.28673	hypo	sig	chr16_1439108
chr5	320757	320757	+	1.415E-23	4.80408E-22	0.233525	hyper	sig	chr5_320757
chr8	1.08E+08	108083765	+	1.416E-23	4.8057E-22	0.246518	hyper	sig	chr8_108083765
chr8	71844761	71844761	+	1.416E-23	4.80653E-22	0.223058	hyper	sig	chr8_71844761
chr10	1.33E+08	132851732	+	1.422E-23	4.82617E-22	-0.3741	hypo	sig	chr10_132851732
chr3	1.82E+08	181723805	+	1.425E-23	4.83505E-22	0.20266	hyper	sig	chr3_181723805
chr16	55323873	55323873	+	1.427E-23	4.84352E-22	0.200659	hyper	sig	chr16_55323873
chr5	31855109	31855109	+	1.428E-23	4.84774E-22	0.21132	hyper	sig	chr5_31855109
chr2	73292921	73292921	+	1.433E-23	4.86351E-22	0.213704	hyper	sig	chr2_73292921
chr3	13637418	13637418	+	1.433E-23	4.86403E-22	-0.25449	hypo	sig	chr3_13637418
chr1	90725023	90725023	+	1.435E-23	4.87081E-22	0.269955	hyper	sig	chr1_90725023
chr12	1.33E+08	132766800	+	1.436E-23	4.87101E-22	-0.26753	hypo	sig	chr12_132766800
chr1	3206820	3206820	+	1.437E-23	4.87472E-22	-0.23545	hypo	sig	chr1_3206820
chr2	74516104	74516104	+	1.437E-23	4.87634E-22	0.209556	hyper	sig	chr2_74516104
chr10	43727015	43727015	+	1.438E-23	4.87725E-22	-0.23493	hypo	sig	chr10_43727015
chr20	46179084	46179084	+	1.438E-23	4.8786E-22	-0.34233	hypo	sig	chr20_46179084
chr3	1.82E+08	181725304	+	1.438E-23	4.87987E-22	0.348063	hyper	sig	chr3_181725304
chr1	12549749	12549749	+	1.441E-23	4.88922E-22	-0.34195	hypo	sig	chr1_12549749
chr10	1.03E+08	103277933	+	1.441E-23	4.88922E-22	0.301487	hyper	sig	chr10_103277933
chr8	72251612	72251612	+	1.441E-23	4.88922E-22	0.202311	hyper	sig	chr8_72251612
chr7	1520761	1520761	+	1.442E-23	4.89275E-22	-0.26162	hypo	sig	chr7_1520761
chr13	52848196	52848196	+	1.446E-23	4.90341E-22	0.255358	hyper	sig	chr13_52848196
chr16	1281657	1281657	+	1.452E-23	4.92415E-22	-0.21992	hypo	sig	chr16_1281657
chr11	31988458	31988458	+	1.452E-23	4.92483E-22	-0.2237	hypo	sig	chr11_31988458
chr2	1.82E+08	181684804	+	1.452E-23	4.92509E-22	0.27884	hyper	sig	chr2_181684804
chr7	5237573	5237573	+	1.453E-23	4.92748E-22	-0.22775	hypo	sig	chr7_5237573
chr7	82442800	82442800	+	1.459E-23	4.94736E-22	0.208277	hyper	sig	chr7_82442800
chr5	3606981	3606981	+	1.46E-23	4.95025E-22	0.241658	hyper	sig	chr5_3606981
chr11	20597537	20597537	+	1.461E-23	4.95454E-22	0.244088	hyper	sig	chr11_20597537
chr19	58581291	58581291	+	1.47E-23	4.98231E-22	0.21519	hyper	sig	chr19_58581291
chr13	53202130	53202130	+	1.47E-23	4.98512E-22	0.282965	hyper	sig	chr13_53202130

chr13	36346618	36346618	+	1.472E-23	4.99155E-22	0.27434	hyper	sig	chr13_36346618
chr3	1.47E+08	147369926	+	1.475E-23	5.00057E-22	0.253866	hyper	sig	chr3_147369926
chr3	1.02E+08	101677887	+	1.477E-23	5.00761E-22	-0.31013	hypo	sig	chr3_101677887
chr5	1.81E+08	181059690	+	1.478E-23	5.00822E-22	0.206427	hyper	sig	chr5_181059690
chr19	36421800	36421800	+	1.48E-23	5.01734E-22	0.280568	hyper	sig	chr19_36421800
chr13	78597188	78597188	+	1.481E-23	5.01978E-22	0.271001	hyper	sig	chr13_78597188
chr4	1.54E+08	153789619	+	1.483E-23	5.0242E-22	0.301418	hyper	sig	chr4_153789619
chr5	1.81E+08	180813653	+	1.483E-23	5.02598E-22	-0.25725	hypo	sig	chr5_180813653
chr17	49564652	49564652	+	1.485E-23	5.03149E-22	-0.34806	hypo	sig	chr17_49564652
chr4	81214861	81214861	+	1.487E-23	5.03896E-22	0.204263	hyper	sig	chr4_81214861
chr17	47690287	47690287	+	1.493E-23	5.05856E-22	-0.25869	hypo	sig	chr17_47690287
chr7	1.51E+08	151203388	+	1.496E-23	5.06646E-22	-0.32663	hypo	sig	chr7_151203388
chr1	87529482	87529482	+	1.496E-23	5.06738E-22	-0.33138	hypo	sig	chr1_87529482
chr10	1.19E+08	118595358	+	1.5E-23	5.08073E-22	0.289053	hyper	sig	chr10_118595358
chr7	19107745	19107745	+	1.5E-23	5.08082E-22	0.216542	hyper	sig	chr7_19107745
chr21	44329421	44329421	+	1.501E-23	5.08272E-22	-0.22944	hypo	sig	chr21_44329421
chr10	49396578	49396578	+	1.503E-23	5.08937E-22	0.264588	hyper	sig	chr10_49396578
chr5	73298601	73298601	+	1.505E-23	5.09656E-22	0.324903	hyper	sig	chr5_73298601
chr17	56597897	56597897	+	1.506E-23	5.1004E-22	0.229459	hyper	sig	chr17_56597897
chr12	1.15E+08	114696842	+	1.51E-23	5.11315E-22	0.29708	hyper	sig	chr12_114696842
chr6	1.34E+08	134176306	+	1.513E-23	5.12349E-22	0.263537	hyper	sig	chr6_134176306
chr17	6714240	6714240	+	1.514E-23	5.12753E-22	0.270766	hyper	sig	chr17_6714240
chr2	38960462	38960462	+	1.515E-23	5.13085E-22	0.204077	hyper	sig	chr2_38960462
chr4	1.76E+08	176001561	+	1.519E-23	5.14161E-22	0.328262	hyper	sig	chr4_176001561
chr10	22345771	22345771	+	1.522E-23	5.15314E-22	0.247487	hyper	sig	chr10_22345771
chr17	48727035	48727035	+	1.522E-23	5.15314E-22	0.252103	hyper	sig	chr17_48727035
chr17	76387228	76387228	+	1.522E-23	5.15345E-22	-0.23937	hypo	sig	chr17_76387228
chr7	1750038	1750038	+	1.524E-23	5.15759E-22	-0.31408	hypo	sig	chr7_1750038
chr7	19145800	19145800	+	1.525E-23	5.16161E-22	0.251853	hyper	sig	chr7_19145800
chr2	1.29E+08	128682221	+	1.527E-23	5.16777E-22	-0.28009	hypo	sig	chr2_128682221
chr20	56344236	56344236	+	1.53E-23	5.17669E-22	0.227302	hyper	sig	chr20_56344236
chr5	64507180	64507180	+	1.531E-23	5.18128E-22	0.384303	hyper	sig	chr5_64507180
chr11	43581307	43581307	+	1.536E-23	5.19682E-22	0.242909	hyper	sig	chr11_43581307
chr7	1.43E+08	142864197	+	1.536E-23	5.19736E-22	-0.26802	hypo	sig	chr7_142864197
chr14	68796778	68796778	+	1.539E-23	5.2077E-22	-0.26831	hypo	sig	chr14_68796778
chr9	96491328	96491328	+	1.542E-23	5.21847E-22	-0.21156	hypo	sig	chr9_96491328
chr8	56446214	56446214	+	1.544E-23	5.22423E-22	0.361589	hyper	sig	chr8_56446214
chr6	10883622	10883622	+	1.547E-23	5.23432E-22	0.297527	hyper	sig	chr6_10883622
chr11	8168876	8168876	+	1.553E-23	5.25229E-22	0.308152	hyper	sig	chr11_8168876
chr16	841602	841602	+	1.556E-23	5.26403E-22	-0.27676	hypo	sig	chr16_841602
chr2	2.19E+08	219250546	+	1.559E-23	5.27434E-22	-0.24257	hypo	sig	chr2_219250546
chr4	1404089	1404089	+	1.561E-23	5.28087E-22	0.248232	hyper	sig	chr4_1404089
chr3	1.28E+08	128481866	+	1.562E-23	5.28437E-22	0.22676	hyper	sig	chr3_128481866
chr17	83084994	83084994	+	1.566E-23	5.29651E-22	-0.25019	hypo	sig	chr17_83084994
chr19	52536224	52536224	+	1.567E-23	5.30027E-22	0.245315	hyper	sig	chr19_52536224
chr8	1.44E+08	143732821	+	1.568E-23	5.30222E-22	-0.20878	hypo	sig	chr8_143732821
chr5	1.32E+08	132271430	+	1.568E-23	5.30354E-22	-0.2086	hypo	sig	chr5_132271430
chr12	1.13E+08	113463816	+	1.575E-23	5.32698E-22	0.272245	hyper	sig	chr12_113463816
chr2	1.19E+08	118849803	+	1.576E-23	5.32758E-22	0.274125	hyper	sig	chr2_118849803
chr1	1.6E+08	159929940	+	1.576E-23	5.33007E-22	-0.23331	hypo	sig	chr1_159929940
chr10	22345316	22345316	+	1.578E-23	5.33487E-22	0.239866	hyper	sig	chr10_22345316
chr10	7412657	7412657	+	1.582E-23	5.34711E-22	0.244559	hyper	sig	chr10_7412657
chr10	23195139	23195139	+	1.583E-23	5.35286E-22	0.293272	hyper	sig	chr10_23195139
chr8	1.08E+08	108083554	+	1.586E-23	5.36017E-22	0.269104	hyper	sig	chr8_108083554
chr10	1.03E+08	103277942	+	1.587E-23	5.36423E-22	0.307629	hyper	sig	chr10_103277942
chr13	57629548	57629548	+	1.588E-23	5.36738E-22	0.292864	hyper	sig	chr13_57629548

chr21	46296560	46296560	+	1.59E-23	5.37403E-22	0.207693	hyper	sig	chr21_46296560
chr19	56671526	56671526	+	1.597E-23	5.39796E-22	0.249553	hyper	sig	chr19_56671526
chr4	21304260	21304260	+	1.598E-23	5.3995E-22	0.234484	hyper	sig	chr4_21304260
chr7	4141111	4141111	+	1.598E-23	5.40118E-22	-0.25463	hypo	sig	chr7_4141111
chr4	1.25E+08	125316861	+	1.599E-23	5.40209E-22	0.233783	hyper	sig	chr4_125316861
chr16	1104941	1104941	+	1.601E-23	5.41137E-22	-0.26344	hypo	sig	chr16_1104941
chr14	1.01E+08	101033210	+	1.604E-23	5.42181E-22	-0.23542	hypo	sig	chr14_101033210
chr2	10983423	10983423	+	1.605E-23	5.42415E-22	-0.22341	hypo	sig	chr2_10983423
chr2	1.54E+08	153871551	+	1.607E-23	5.43083E-22	0.261462	hyper	sig	chr2_153871551
chr20	62681455	62681455	+	1.611E-23	5.4437E-22	-0.2452	hypo	sig	chr20_62681455
chr15	78764151	78764151	+	1.614E-23	5.45428E-22	-0.21213	hypo	sig	chr15_78764151
chr7	37451743	37451743	+	1.616E-23	5.45845E-22	-0.263	hypo	sig	chr7_37451743
chr7	1.03E+08	103152336	+	1.617E-23	5.46237E-22	-0.33809	hypo	sig	chr7_103152336
chr17	82321151	82321151	+	1.619E-23	5.46897E-22	-0.30278	hypo	sig	chr17_82321151
chr16	1266479	1266479	+	1.62E-23	5.47101E-22	-0.21336	hypo	sig	chr16_1266479
chr8	64586481	64586481	+	1.621E-23	5.47409E-22	0.216879	hyper	sig	chr8_64586481
chr1	75131853	75131853	+	1.622E-23	5.47718E-22	0.214833	hyper	sig	chr1_75131853
chr12	64390721	64390721	+	1.622E-23	5.47912E-22	0.242554	hyper	sig	chr12_64390721
chr15	82647488	82647488	+	1.622E-23	5.47926E-22	0.212246	hyper	sig	chr15_82647488
chr14	36663876	36663876	+	1.623E-23	5.48004E-22	0.225039	hyper	sig	chr14_36663876
chr1	2.29E+08	229407332	+	1.624E-23	5.48562E-22	0.260658	hyper	sig	chr1_229407332
chr1	1.48E+08	148310209	+	1.624E-23	5.48596E-22	0.275808	hyper	sig	chr1_148310209
chr11	1047755	1047755	+	1.627E-23	5.49378E-22	-0.21089	hypo	sig	chr11_1047755
chr12	1.3E+08	129926727	+	1.633E-23	5.51303E-22	-0.20587	hypo	sig	chr12_129926727
chr8	66963026	66963026	+	1.634E-23	5.51797E-22	0.208695	hyper	sig	chr8_66963026
chr8	96159386	96159386	+	1.635E-23	5.52048E-22	0.267635	hyper	sig	chr8_96159386
chr19	36604618	36604618	+	1.648E-23	5.5626E-22	0.327482	hyper	sig	chr19_36604618
chr11	17719736	17719736	+	1.648E-23	5.56347E-22	0.305569	hyper	sig	chr11_17719736
chr17	76462403	76462403	+	1.653E-23	5.57959E-22	-0.24969	hypo	sig	chr17_76462403
chr11	1.25E+08	125167425	+	1.655E-23	5.5844E-22	0.218468	hyper	sig	chr11_125167425
chr7	1.54E+08	154053408	+	1.655E-23	5.58477E-22	0.266515	hyper	sig	chr7_154053408
chr10	1.32E+08	132202758	+	1.658E-23	5.59609E-22	-0.3293	hypo	sig	chr10_132202758
chr15	74133226	74133226	+	1.663E-23	5.61246E-22	0.310467	hyper	sig	chr15_74133226
chr5	1.41E+08	140882595	+	1.665E-23	5.61768E-22	0.229028	hyper	sig	chr5_140882595
chr18	57441595	57441595	+	1.667E-23	5.6248E-22	0.248836	hyper	sig	chr18_57441595
chr10	1.33E+08	132834617	+	1.67E-23	5.63541E-22	-0.20529	hypo	sig	chr10_132834617
chr16	85697681	85697681	+	1.672E-23	5.63965E-22	-0.24928	hypo	sig	chr16_85697681
chr11	27721682	27721682	+	1.674E-23	5.64819E-22	0.242918	hyper	sig	chr11_27721682
chr15	96783634	96783634	+	1.675E-23	5.65019E-22	-0.247	hypo	sig	chr15_96783634
chr1	1986513	1986513	+	1.675E-23	5.65063E-22	-0.28768	hypo	sig	chr1_1986513
chr10	27746839	27746839	+	1.678E-23	5.66177E-22	0.250604	hyper	sig	chr10_27746839
chr1	1.76E+08	175599423	+	1.679E-23	5.66272E-22	0.297039	hyper	sig	chr1_175599423
chr13	24932163	24932163	+	1.679E-23	5.66393E-22	0.248362	hyper	sig	chr13_24932163
chr16	88427294	88427294	+	1.682E-23	5.67445E-22	-0.26398	hypo	sig	chr16_88427294
chr16	57667814	57667814	+	1.69E-23	5.69853E-22	-0.22496	hypo	sig	chr16_57667814
chr19	58155446	58155446	+	1.693E-23	5.70972E-22	0.256421	hyper	sig	chr19_58155446
chr5	32712991	32712991	+	1.695E-23	5.71448E-22	0.273788	hyper	sig	chr5_32712991
chr6	10099407	10099407	+	1.698E-23	5.72569E-22	-0.26403	hypo	sig	chr6_10099407
chr1	1.47E+08	147079005	+	1.701E-23	5.73422E-22	0.236202	hyper	sig	chr1_147079005
chr16	2712631	2712631	+	1.709E-23	5.76023E-22	-0.27125	hypo	sig	chr16_2712631
chr1	22601003	22601003	+	1.711E-23	5.76945E-22	-0.29696	hypo	sig	chr1_22601003
chr7	43112692	43112692	+	1.714E-23	5.77641E-22	0.258465	hyper	sig	chr7_43112692
chr5	41509974	41509974	+	1.716E-23	5.78476E-22	0.248632	hyper	sig	chr5_41509974
chr5	430244	430244	+	1.718E-23	5.79032E-22	-0.21575	hypo	sig	chr5_430244
chr19	45914771	45914771	+	1.719E-23	5.79351E-22	-0.31294	hypo	sig	chr19_45914771
chr4	8591938	8591938	+	1.719E-23	5.79404E-22	-0.22084	hypo	sig	chr4_8591938

chr10	1.33E+08	132850921	+	1.724E-23	5.81166E-22	-0.25612	hypo	sig	chr10_132850921
chr10	99527870	99527870	+	1.725E-23	5.81337E-22	0.270845	hyper	sig	chr10_99527870
chr1	1.81E+08	181483756	+	1.732E-23	5.83734E-22	0.241436	hyper	sig	chr1_181483756
chr2	20671519	20671519	+	1.737E-23	5.85374E-22	0.233752	hyper	sig	chr2_20671519
chr7	1.56E+08	155803719	+	1.739E-23	5.85943E-22	0.281292	hyper	sig	chr7_155803719
chr10	1.01E+08	101236725	+	1.74E-23	5.86331E-22	0.221707	hyper	sig	chr10_101236725
chr5	1.14E+08	114056420	+	1.742E-23	5.8691E-22	0.2234	hyper	sig	chr5_114056420
chr17	82321073	82321073	+	1.742E-23	5.86961E-22	-0.22806	hypo	sig	chr17_82321073
chr4	1.47E+08	146637338	+	1.743E-23	5.87253E-22	0.329153	hyper	sig	chr4_146637338
chr19	50563822	50563822	+	1.747E-23	5.88687E-22	-0.23681	hypo	sig	chr19_50563822
chr14	60507339	60507339	+	1.75E-23	5.89569E-22	0.352297	hyper	sig	chr14_60507339
chr16	51153953	51153953	+	1.759E-23	5.9271E-22	0.279071	hyper	sig	chr16_51153953
chr7	69599841	69599841	+	1.761E-23	5.93198E-22	0.240317	hyper	sig	chr7_69599841
chr2	10947094	10947094	+	1.775E-23	5.97879E-22	-0.34869	hypo	sig	chr2_10947094
chr7	1.48E+08	147803411	+	1.776E-23	5.98066E-22	-0.26135	hypo	sig	chr7_147803411
chr11	1668296	1668296	+	1.776E-23	5.98118E-22	-0.23354	hypo	sig	chr11_1668296
chr13	57632932	57632932	+	1.78E-23	5.99466E-22	0.291816	hyper	sig	chr13_57632932
chr8	54455032	54455032	+	1.781E-23	5.99849E-22	0.3097	hyper	sig	chr8_54455032
chr15	88255701	88255701	+	1.782E-23	5.99861E-22	0.211167	hyper	sig	chr15_88255701
chr6	408751	408751	+	1.782E-23	5.99861E-22	-0.32646	hypo	sig	chr6_408751
chr10	1.33E+08	133024474	+	1.786E-23	6.01141E-22	-0.24008	hypo	sig	chr10_133024474
chr2	1.32E+08	131802630	+	1.789E-23	6.0243E-22	0.223469	hyper	sig	chr2_131802630
chr11	45652716	45652716	+	1.794E-23	6.04008E-22	0.262734	hyper	sig	chr11_45652716
chr3	1.33E+08	133038895	+	1.798E-23	6.05303E-22	0.25407	hyper	sig	chr3_133038895
chr1	50421164	50421164	+	1.803E-23	6.06878E-22	0.213048	hyper	sig	chr1_50421164
chr13	26049638	26049638	+	1.806E-23	6.07854E-22	0.235281	hyper	sig	chr13_26049638
chr17	44988563	44988563	+	1.807E-23	6.08074E-22	0.274038	hyper	sig	chr17_44988563
chr5	1.41E+08	141397986	+	1.807E-23	6.08189E-22	0.205874	hyper	sig	chr5_141397986
chr8	56447349	56447349	+	1.808E-23	6.08636E-22	0.228764	hyper	sig	chr8_56447349
chr12	1.11E+08	111308242	+	1.814E-23	6.10438E-22	-0.32098	hypo	sig	chr12_111308242
chr19	53132883	53132883	+	1.814E-23	6.10456E-22	0.281757	hyper	sig	chr19_53132883
chr3	62318644	62318644	+	1.818E-23	6.1179E-22	0.268221	hyper	sig	chr3_62318644
chr10	1.16E+08	116273426	+	1.819E-23	6.1214E-22	0.216946	hyper	sig	chr10_116273426
chr4	305033	305033	+	1.825E-23	6.13833E-22	0.238957	hyper	sig	chr4_305033
chr11	49561291	49561291	+	1.829E-23	6.15275E-22	0.275149	hyper	sig	chr11_49561291
chr8	1.43E+08	142538231	+	1.84E-23	6.19149E-22	-0.22884	hypo	sig	chr8_142538231
chr2	73291584	73291584	+	1.844E-23	6.20128E-22	0.217557	hyper	sig	chr2_73291584
chr7	97013479	97013479	+	1.846E-23	6.20756E-22	0.22497	hyper	sig	chr7_97013479
chr4	1.72E+08	171813541	+	1.847E-23	6.2127E-22	0.32663	hyper	sig	chr4_171813541
chr12	1.33E+08	132904877	+	1.848E-23	6.2142E-22	0.21324	hyper	sig	chr12_132904877
chr1	44118833	44118833	+	1.849E-23	6.21795E-22	-0.274	hypo	sig	chr1_44118833
chr2	1.76E+08	176083428	+	1.851E-23	6.22352E-22	0.231796	hyper	sig	chr2_176083428
chr1	2.37E+08	237043211	+	1.856E-23	6.24171E-22	0.240347	hyper	sig	chr1_237043211
chr17	75784220	75784220	+	1.865E-23	6.27016E-22	-0.2134	hypo	sig	chr17_75784220
chr2	2.39E+08	239285889	+	1.865E-23	6.27115E-22	-0.21697	hypo	sig	chr2_239285889
chr3	62377490	62377490	+	1.867E-23	6.27719E-22	0.286942	hyper	sig	chr3_62377490
chr19	58581386	58581386	+	1.867E-23	6.27817E-22	0.26352	hyper	sig	chr19_58581386
chr3	27724554	27724554	+	1.868E-23	6.28016E-22	0.338146	hyper	sig	chr3_27724554
chr7	1.24E+08	124480972	+	1.872E-23	6.29426E-22	-0.25079	hypo	sig	chr7_124480972
chr12	1.08E+08	108130111	+	1.876E-23	6.30536E-22	0.256527	hyper	sig	chr12_108130111
chr5	1.81E+08	181059679	+	1.876E-23	6.30657E-22	0.206244	hyper	sig	chr5_181059679
chr6	16345756	16345756	+	1.877E-23	6.31024E-22	-0.38062	hypo	sig	chr6_16345756
chr10	93063484	93063484	+	1.881E-23	6.32293E-22	0.205655	hyper	sig	chr10_93063484
chr12	1.25E+08	124617940	+	1.883E-23	6.32821E-22	-0.30243	hypo	sig	chr12_124617940
chr6	1.46E+08	146029484	+	1.889E-23	6.3476E-22	0.23999	hyper	sig	chr6_146029484
chr6	10385692	10385692	+	1.89E-23	6.35311E-22	0.27159	hyper	sig	chr6_10385692

chr8	24914724	24914724	+	1.891E-23	6.35382E-22	0.239158	hyper	sig	chr8_24914724
chr6	28259290	28259290	+	1.892E-23	6.35616E-22	0.255953	hyper	sig	chr6_28259290
chr2	73291629	73291629	+	1.894E-23	6.36265E-22	0.240012	hyper	sig	chr2_73291629
chr2	1.78E+08	178479660	+	1.894E-23	6.36405E-22	-0.2923	hypo	sig	chr2_178479660
chr17	5128650	5128650	+	1.896E-23	6.36993E-22	0.250903	hyper	sig	chr17_5128650
chr16	55323855	55323855	+	1.898E-23	6.37519E-22	0.225416	hyper	sig	chr16_55323855
chr2	1.87E+08	186849123	+	1.898E-23	6.37621E-22	0.232833	hyper	sig	chr2_186849123
chr11	17720588	17720588	+	1.9E-23	6.3818E-22	0.340066	hyper	sig	chr11_17720588
chr13	1.13E+08	112638396	+	1.901E-23	6.38682E-22	-0.34611	hypo	sig	chr13_112638396
chr20	63044254	63044254	+	1.903E-23	6.39133E-22	-0.30346	hypo	sig	chr20_63044254
chr19	21851616	21851616	+	1.905E-23	6.39973E-22	0.249885	hyper	sig	chr19_21851616
chr10	49679744	49679744	+	1.911E-23	6.41959E-22	0.252755	hyper	sig	chr10_49679744
chr10	22345318	22345318	+	1.915E-23	6.43152E-22	0.241784	hyper	sig	chr10_22345318
chr2	11587015	11587015	+	1.927E-23	6.47211E-22	-0.26031	hypo	sig	chr2_11587015
chr10	1.05E+08	104641621	+	1.928E-23	6.47334E-22	0.307978	hyper	sig	chr10_104641621
chr2	2.37E+08	236769514	+	1.935E-23	6.49623E-22	-0.30376	hypo	sig	chr2_236769514
chr3	1.8E+08	180037336	+	1.936E-23	6.49957E-22	0.323718	hyper	sig	chr3_180037336
chr15	59993534	59993534	+	1.941E-23	6.51763E-22	0.221474	hyper	sig	chr15_59993534
chr20	46513272	46513272	+	1.946E-23	6.53174E-22	0.248839	hyper	sig	chr20_46513272
chr12	62191426	62191426	+	1.948E-23	6.54046E-22	0.291738	hyper	sig	chr12_62191426
chr5	73381438	73381438	+	1.955E-23	6.56216E-22	0.254957	hyper	sig	chr5_73381438
chr6	83709641	83709641	+	1.959E-23	6.57578E-22	0.242924	hyper	sig	chr6_83709641
chr19	58043101	58043101	+	1.96E-23	6.57866E-22	0.259535	hyper	sig	chr19_58043101
chr11	1.11E+08	111300605	+	1.962E-23	6.58456E-22	-0.2611	hypo	sig	chr11_111300605
chr2	1654418	1654418	+	1.967E-23	6.60043E-22	-0.32559	hypo	sig	chr2_1654418
chr8	26050952	26050952	+	1.97E-23	6.61196E-22	0.270996	hyper	sig	chr8_26050952
chr15	45704344	45704344	+	1.971E-23	6.61394E-22	0.231673	hyper	sig	chr15_45704344
chr19	29093199	29093199	+	1.978E-23	6.63485E-22	-0.21808	hypo	sig	chr19_29093199
chr12	53982482	53982482	+	1.979E-23	6.63943E-22	0.227294	hyper	sig	chr12_53982482
chr12	55929336	55929336	+	1.988E-23	6.67039E-22	-0.20556	hypo	sig	chr12_55929336
chr14	36659400	36659400	+	1.992E-23	6.68332E-22	0.253427	hyper	sig	chr14_36659400
chr6	32073912	32073912	+	1.995E-23	6.69187E-22	-0.24352	hypo	sig	chr6_32073912
chr17	80515601	80515601	+	2.003E-23	6.71939E-22	-0.23282	hypo	sig	chr17_80515601
chr10	1.08E+08	107914539	+	2.005E-23	6.72613E-22	0.211999	hyper	sig	chr10_107914539
chr1	50425544	50425544	+	2.01E-23	6.74162E-22	0.275767	hyper	sig	chr1_50425544
chr5	1.34E+08	134113788	+	2.013E-23	6.7494E-22	0.270485	hyper	sig	chr5_134113788
chr3	22372450	22372450	+	2.024E-23	6.78864E-22	0.391315	hyper	sig	chr3_22372450
chr1	6078794	6078794	+	2.027E-23	6.79847E-22	-0.2261	hypo	sig	chr1_6078794
chr4	1.74E+08	173538087	+	2.028E-23	6.80012E-22	0.322784	hyper	sig	chr4_173538087
chr14	94771071	94771071	+	2.03E-23	6.80524E-22	0.211323	hyper	sig	chr14_94771071
chr2	394522	394522	+	2.03E-23	6.80525E-22	-0.25892	hypo	sig	chr2_394522
chr5	1.8E+08	179860079	+	2.031E-23	6.80803E-22	-0.30711	hypo	sig	chr5_179860079
chr6	33068669	33068669	+	2.042E-23	6.84596E-22	-0.30501	hypo	sig	chr6_33068669
chr11	6413859	6413859	+	2.044E-23	6.85277E-22	-0.24951	hypo	sig	chr11_6413859
chr14	1.01E+08	101060709	+	2.044E-23	6.85277E-22	-0.20258	hypo	sig	chr14_101060709
chr7	1.57E+08	157004341	+	2.044E-23	6.85303E-22	0.216286	hyper	sig	chr7_157004341
chr12	1.17E+08	117143288	+	2.045E-23	6.8555E-22	-0.30784	hypo	sig	chr12_117143288
chr18	78977627	78977627	+	2.049E-23	6.86784E-22	0.33567	hyper	sig	chr18_78977627
chr19	41933113	41933113	+	2.053E-23	6.88026E-22	-0.30121	hypo	sig	chr19_41933113
chr18	79453889	79453889	+	2.055E-23	6.88552E-22	-0.25518	hypo	sig	chr18_79453889
chr8	49911725	49911725	+	2.066E-23	6.92411E-22	0.255551	hyper	sig	chr8_49911725
chr2	1.82E+08	181679612	+	2.069E-23	6.93309E-22	0.222717	hyper	sig	chr2_181679612
chr8	66963129	66963129	+	2.07E-23	6.93558E-22	0.275295	hyper	sig	chr8_66963129
chr6	50725012	50725012	+	2.079E-23	6.96336E-22	0.305303	hyper	sig	chr6_50725012
chr2	50347563	50347563	+	2.081E-23	6.97183E-22	0.227894	hyper	sig	chr2_50347563
chr2	662777	662777	+	2.089E-23	6.99774E-22	-0.24813	hypo	sig	chr2_662777

chr12	1.27E+08	127456073	+	2.107E-23	7.05563E-22	0.309204	hyper	sig	chr12_127456073
chr10	1.32E+08	132248158	+	2.113E-23	7.07585E-22	-0.20653	hypo	sig	chr10_132248158
chr2	44928078	44928078	+	2.113E-23	7.07635E-22	0.209194	hyper	sig	chr2_44928078
chr7	32299845	32299845	+	2.118E-23	7.09289E-22	-0.29094	hypo	sig	chr7_32299845
chr1	9652535	9652535	+	2.133E-23	7.14111E-22	0.223677	hyper	sig	chr1_9652535
chr8	1.44E+08	143718806	+	2.138E-23	7.15655E-22	-0.28894	hypo	sig	chr8_143718806
chr2	85584280	85584280	+	2.138E-23	7.15744E-22	0.242274	hyper	sig	chr2_85584280
chr12	1.33E+08	132908157	+	2.14E-23	7.16253E-22	0.220186	hyper	sig	chr12_132908157
chr1	53088879	53088879	+	2.14E-23	7.16395E-22	-0.28911	hypo	sig	chr1_53088879
chr2	94998558	94998558	+	2.143E-23	7.17482E-22	0.297828	hyper	sig	chr2_94998558
chr6	50849453	50849453	+	2.145E-23	7.17868E-22	0.266757	hyper	sig	chr6_50849453
chr15	24477919	24477919	+	2.146E-23	7.18345E-22	0.246715	hyper	sig	chr15_24477919
chr10	49613580	49613580	+	2.149E-23	7.19258E-22	0.326488	hyper	sig	chr10_49613580
chr1	18631824	18631824	+	2.15E-23	7.19655E-22	0.208414	hyper	sig	chr1_18631824
chr19	33626336	33626336	+	2.157E-23	7.21853E-22	-0.25107	hypo	sig	chr19_33626336
chr2	1.82E+08	181678501	+	2.162E-23	7.23513E-22	0.233351	hyper	sig	chr2_181678501
chr10	49679815	49679815	+	2.163E-23	7.23852E-22	0.233779	hyper	sig	chr10_49679815
chr17	16683814	16683814	+	2.169E-23	7.25798E-22	0.21315	hyper	sig	chr17_16683814
chr14	92924849	92924849	+	2.174E-23	7.27235E-22	-0.20084	hypo	sig	chr14_92924849
chr3	1.96E+08	196142794	+	2.174E-23	7.27377E-22	-0.39087	hypo	sig	chr3_196142794
chr14	28758735	28758735	+	2.177E-23	7.28148E-22	0.278003	hyper	sig	chr14_28758735
chr17	42685268	42685268	+	2.177E-23	7.28332E-22	0.25794	hyper	sig	chr17_42685268
chr17	42670425	42670425	+	2.179E-23	7.28865E-22	0.260609	hyper	sig	chr17_42670425
chr19	56507484	56507484	+	2.179E-23	7.28902E-22	0.288236	hyper	sig	chr19_56507484
chr16	85485518	85485518	+	2.182E-23	7.29737E-22	-0.20252	hypo	sig	chr16_85485518
chr8	1163859	1163859	+	2.185E-23	7.30717E-22	0.257884	hyper	sig	chr8_1163859
chr5	1.41E+08	141403136	+	2.185E-23	7.30806E-22	0.225012	hyper	sig	chr5_141403136
chr7	93891133	93891133	+	2.19E-23	7.32369E-22	0.257777	hyper	sig	chr7_93891133
chr5	1.59E+08	159095423	+	2.191E-23	7.32624E-22	0.226456	hyper	sig	chr5_159095423
chr1	75130349	75130349	+	2.196E-23	7.34449E-22	0.23598	hyper	sig	chr1_75130349
chr4	1.82E+08	182142273	+	2.199E-23	7.35187E-22	0.221124	hyper	sig	chr4_182142273
chr17	79789698	79789698	+	2.202E-23	7.36391E-22	0.238612	hyper	sig	chr17_79789698
chr17	42123033	42123033	+	2.204E-23	7.36807E-22	-0.20646	hypo	sig	chr17_42123033
chr5	1.41E+08	141421884	+	2.205E-23	7.3716E-22	0.254722	hyper	sig	chr5_141421884
chr14	1.05E+08	105137136	+	2.207E-23	7.38018E-22	-0.24716	hypo	sig	chr14_105137136
chr10	774606	774606	+	2.208E-23	7.38106E-22	-0.27721	hypo	sig	chr10_774606
chr7	56495479	56495479	+	2.209E-23	7.38577E-22	-0.25034	hypo	sig	chr7_56495479
chr7	8435568	8435568	+	2.222E-23	7.4277E-22	0.379568	hyper	sig	chr7_8435568
chr4	1.82E+08	182141576	+	2.223E-23	7.4291E-22	0.212768	hyper	sig	chr4_182141576
chr16	56190756	56190756	+	2.223E-23	7.43049E-22	0.224151	hyper	sig	chr16_56190756
chr5	1.41E+08	141355205	+	2.224E-23	7.43389E-22	0.217975	hyper	sig	chr5_141355205
chr11	8169112	8169112	+	2.225E-23	7.43568E-22	0.228814	hyper	sig	chr11_8169112
chr12	52898866	52898866	+	2.225E-23	7.43696E-22	-0.26712	hypo	sig	chr12_52898866
chr1	90725389	90725389	+	2.23E-23	7.451E-22	0.214856	hyper	sig	chr1_90725389
chr5	1.41E+08	141421212	+	2.232E-23	7.45704E-22	0.238454	hyper	sig	chr5_141421212
chr1	6465521	6465521	+	2.234E-23	7.46528E-22	0.219709	hyper	sig	chr1_6465521
chr20	63325327	63325327	+	2.234E-23	7.46528E-22	-0.24435	hypo	sig	chr20_63325327
chr2	20671641	20671641	+	2.235E-23	7.46664E-22	0.204205	hyper	sig	chr2_20671641
chr15	27545574	27545574	+	2.235E-23	7.4676E-22	-0.21657	hypo	sig	chr15_27545574
chr16	88116368	88116368	+	2.235E-23	7.4676E-22	-0.22689	hypo	sig	chr16_88116368
chr7	1.02E+08	102119231	+	2.235E-23	7.4676E-22	-0.33847	hypo	sig	chr7_102119231
chr20	56004758	56004758	+	2.245E-23	7.50023E-22	0.253945	hyper	sig	chr20_56004758
chr17	80441214	80441214	+	2.249E-23	7.51049E-22	-0.23903	hypo	sig	chr17_80441214
chr4	1.11E+08	110629222	+	2.251E-23	7.51835E-22	0.305475	hyper	sig	chr4_110629222
chr8	4991484	4991484	+	2.253E-23	7.52486E-22	0.322868	hyper	sig	chr8_4991484
chr13	35475173	35475173	+	2.26E-23	7.54671E-22	0.244908	hyper	sig	chr13_35475173

chr7	1.02E+08	102119258	+	2.261E-23	7.55037E-22	-0.31766	hypo	sig	chr7_102119258
chr16	88148079	88148079	+	2.269E-23	7.57509E-22	0.224313	hyper	sig	chr16_88148079
chr11	69048273	69048273	+	2.271E-23	7.58215E-22	-0.26522	hypo	sig	chr11_69048273
chr5	1.81E+08	180602970	+	2.271E-23	7.58227E-22	-0.31995	hypo	sig	chr5_180602970
chr8	64578725	64578725	+	2.276E-23	7.59829E-22	0.264151	hyper	sig	chr8_64578725
chr11	95025589	95025589	+	2.279E-23	7.60928E-22	-0.23044	hypo	sig	chr11_95025589
chr3	1.28E+08	128483949	+	2.28E-23	7.60938E-22	0.214165	hyper	sig	chr3_128483949
chr4	61202467	61202467	+	2.283E-23	7.62049E-22	0.301492	hyper	sig	chr4_61202467
chr4	89836504	89836504	+	2.294E-23	7.65801E-22	0.275758	hyper	sig	chr4_89836504
chr10	49679532	49679532	+	2.295E-23	7.65886E-22	0.220744	hyper	sig	chr10_49679532
chr8	64575622	64575622	+	2.302E-23	7.68442E-22	0.237648	hyper	sig	chr8_64575622
chr11	85682746	85682746	+	2.304E-23	7.68804E-22	0.261921	hyper	sig	chr11_85682746
chr5	1.41E+08	141421638	+	2.319E-23	7.73934E-22	0.275131	hyper	sig	chr5_141421638
chr16	49488491	49488491	+	2.32E-23	7.74219E-22	-0.27047	hypo	sig	chr16_49488491
chr10	71075802	71075802	+	2.335E-23	7.78986E-22	-0.25425	hypo	sig	chr10_71075802
chr19	49133013	49133013	+	2.337E-23	7.79773E-22	0.267796	hyper	sig	chr19_49133013
chr8	42499409	42499409	+	2.339E-23	7.80522E-22	0.287569	hyper	sig	chr8_42499409
chr6	5994530	5994530	+	2.348E-23	7.83431E-22	0.231483	hyper	sig	chr6_5994530
chr3	1.38E+08	137761940	+	2.358E-23	7.86676E-22	0.225233	hyper	sig	chr3_137761940
chr12	54055157	54055157	+	2.36E-23	7.87272E-22	0.336518	hyper	sig	chr12_54055157
chr19	3603512	3603512	+	2.363E-23	7.88216E-22	-0.26542	hypo	sig	chr19_3603512
chr3	1.54E+08	154428700	+	2.37E-23	7.90519E-22	0.309584	hyper	sig	chr3_154428700
chr17	74671567	74671567	+	2.371E-23	7.90792E-22	0.243583	hyper	sig	chr17_74671567
chr2	1.31E+08	131209749	+	2.374E-23	7.9173E-22	-0.35048	hypo	sig	chr2_131209749
chr17	35374334	35374334	+	2.379E-23	7.93363E-22	0.214221	hyper	sig	chr17_35374334
chr5	63960458	63960458	+	2.379E-23	7.93445E-22	0.271739	hyper	sig	chr5_63960458
chr10	1.33E+08	132508830	+	2.38E-23	7.93653E-22	-0.21948	hypo	sig	chr10_132508830
chr19	41933235	41933235	+	2.386E-23	7.95567E-22	-0.20273	hypo	sig	chr19_41933235
chr13	23392094	23392094	+	2.388E-23	7.96104E-22	-0.38772	hypo	sig	chr13_23392094
chr1	6466316	6466316	+	2.389E-23	7.96556E-22	0.238283	hyper	sig	chr1_6466316
chr10	23173365	23173365	+	2.391E-23	7.9724E-22	0.309705	hyper	sig	chr10_23173365
chr11	1086299	1086299	+	2.391E-23	7.9724E-22	-0.22817	hypo	sig	chr11_1086299
chr5	77638838	77638838	+	2.394E-23	7.98197E-22	0.244781	hyper	sig	chr5_77638838
chr3	43999607	43999607	+	2.395E-23	7.98276E-22	0.30908	hyper	sig	chr3_43999607
chr13	35475543	35475543	+	2.395E-23	7.98328E-22	0.272959	hyper	sig	chr13_35475543
chr4	3263567	3263567	+	2.396E-23	7.9869E-22	-0.28741	hypo	sig	chr4_3263567
chr5	1.41E+08	141431280	+	2.396E-23	7.9869E-22	0.215764	hyper	sig	chr5_141431280
chr13	77919147	77919147	+	2.4E-23	7.99971E-22	0.243584	hyper	sig	chr13_77919147
chr12	1.33E+08	132766819	+	2.401E-23	8.00092E-22	-0.25543	hypo	sig	chr12_132766819
chr1	1.51E+08	150513763	+	2.403E-23	8.00753E-22	-0.31724	hypo	sig	chr1_150513763
chr16	67185247	67185247	+	2.406E-23	8.01669E-22	0.214178	hyper	sig	chr16_67185247
chr3	43998451	43998451	+	2.407E-23	8.02127E-22	0.211192	hyper	sig	chr3_43998451
chr4	10456770	10456770	+	2.407E-23	8.02127E-22	0.342013	hyper	sig	chr4_10456770
chr17	1591272	1591272	+	2.409E-23	8.02631E-22	0.245112	hyper	sig	chr17_1591272
chr19	851588	851588	+	2.409E-23	8.02719E-22	-0.2917	hypo	sig	chr19_851588
chr15	45704373	45704373	+	2.412E-23	8.03779E-22	0.225585	hyper	sig	chr15_45704373
chr2	1.19E+08	118849834	+	2.417E-23	8.05193E-22	0.2612	hyper	sig	chr2_118849834
chr19	57935062	57935062	+	2.418E-23	8.05511E-22	0.300661	hyper	sig	chr19_57935062
chr4	386537	386537	+	2.425E-23	8.07971E-22	0.273404	hyper	sig	chr4_386537
chr1	1445209	1445209	+	2.429E-23	8.08981E-22	-0.28222	hypo	sig	chr1_1445209
chr7	97002590	97002590	+	2.435E-23	8.11022E-22	0.228841	hyper	sig	chr7_97002590
chr19	57477210	57477210	+	2.438E-23	8.12231E-22	0.30122	hyper	sig	chr19_57477210
chr11	20208365	20208365	+	2.439E-23	8.12342E-22	0.279657	hyper	sig	chr11_20208365
chr5	42994051	42994051	+	2.445E-23	8.14188E-22	0.289305	hyper	sig	chr5_42994051
chr17	48722483	48722483	+	2.448E-23	8.15366E-22	0.205192	hyper	sig	chr17_48722483
chr9	97221241	97221241	+	2.451E-23	8.16136E-22	0.330384	hyper	sig	chr9_97221241

chr9	1.35E+08	134781219	+	2.452E-23	8.16437E-22	-0.24596	hypo	sig	chr9_134781219
chr3	1.23E+08	122926542	+	2.455E-23	8.17485E-22	-0.24342	hypo	sig	chr3_122926542
chr4	1.55E+08	154742998	+	2.455E-23	8.17562E-22	0.264852	hyper	sig	chr4_154742998
chr11	1.33E+08	133079231	+	2.462E-23	8.19809E-22	-0.27782	hypo	sig	chr11_133079231
chr16	88066134	88066134	+	2.462E-23	8.19809E-22	0.237429	hyper	sig	chr16_88066134
chr10	1.02E+08	101829919	+	2.468E-23	8.21858E-22	0.267168	hyper	sig	chr10_101829919
chr17	77373935	77373935	+	2.474E-23	8.23515E-22	0.332985	hyper	sig	chr17_77373935
chr1	75130568	75130568	+	2.482E-23	8.26307E-22	0.204439	hyper	sig	chr1_75130568
chr2	44944657	44944657	+	2.483E-23	8.26666E-22	0.320773	hyper	sig	chr2_44944657
chr14	92324230	92324230	+	2.488E-23	8.28299E-22	0.223589	hyper	sig	chr14_92324230
chr21	36704917	36704917	+	2.488E-23	8.28299E-22	0.300266	hyper	sig	chr21_36704917
chr9	1.32E+08	132157858	+	2.488E-23	8.28299E-22	-0.25791	hypo	sig	chr9_132157858
chr20	21511082	21511082	+	2.49E-23	8.28632E-22	0.324681	hyper	sig	chr20_21511082
chr4	1.77E+08	176792057	+	2.49E-23	8.28632E-22	0.206815	hyper	sig	chr4_176792057
chr13	1.13E+08	113405844	+	2.496E-23	8.30636E-22	-0.26717	hypo	sig	chr13_113405844
chr9	36739784	36739784	+	2.502E-23	8.32644E-22	0.277154	hyper	sig	chr9_36739784
chr9	97852862	97852862	+	2.504E-23	8.33166E-22	0.270377	hyper	sig	chr9_97852862
chr13	1.1E+08	109779344	+	2.504E-23	8.33387E-22	-0.23688	hypo	sig	chr13_109779344
chr1	47450190	47450190	+	2.514E-23	8.3631E-22	-0.23978	hypo	sig	chr1_47450190
chr11	1.23E+08	122977480	+	2.518E-23	8.37743E-22	0.206415	hyper	sig	chr11_122977480
chr14	1.05E+08	104564817	+	2.525E-23	8.40147E-22	-0.2101	hypo	sig	chr14_104564817
chr1	21608269	21608269	+	2.529E-23	8.41323E-22	-0.32723	hypo	sig	chr1_21608269
chr16	85452104	85452104	+	2.529E-23	8.414E-22	-0.21648	hypo	sig	chr16_85452104
chr11	78962147	78962147	+	2.534E-23	8.42991E-22	0.330741	hyper	sig	chr11_78962147
chr10	81876465	81876465	+	2.54E-23	8.44956E-22	0.221733	hyper	sig	chr10_81876465
chr17	48575037	48575037	+	2.546E-23	8.46911E-22	-0.22039	hypo	sig	chr17_48575037
chr5	1.41E+08	141419506	+	2.555E-23	8.49737E-22	0.225337	hyper	sig	chr5_141419506
chr13	1.13E+08	113109896	+	2.556E-23	8.50177E-22	0.26524	hyper	sig	chr13_113109896
chr2	1.28E+08	127681583	+	2.562E-23	8.51942E-22	-0.3146	hypo	sig	chr2_127681583
chr3	54135979	54135979	+	2.564E-23	8.52618E-22	-0.23316	hypo	sig	chr3_54135979
chr17	8965224	8965224	+	2.573E-23	8.5555E-22	0.259513	hyper	sig	chr17_8965224
chr10	26212098	26212098	+	2.573E-23	8.5557E-22	0.317769	hyper	sig	chr10_26212098
chr9	1.37E+08	137243143	+	2.573E-23	8.55592E-22	-0.23969	hypo	sig	chr9_137243143
chr3	75671025	75671025	+	2.583E-23	8.58559E-22	0.261086	hyper	sig	chr3_75671025
chr1	1.08E+08	107964456	+	2.587E-23	8.60152E-22	0.236361	hyper	sig	chr1_107964456
chr11	1.25E+08	125263498	+	2.601E-23	8.64643E-22	0.225138	hyper	sig	chr11_125263498
chr2	96527437	96527437	+	2.602E-23	8.64728E-22	0.282528	hyper	sig	chr2_96527437
chr18	57354413	57354413	+	2.604E-23	8.65401E-22	0.264044	hyper	sig	chr18_57354413
chr2	2.32E+08	232419641	+	2.605E-23	8.6585E-22	0.250813	hyper	sig	chr2_232419641
chr7	1.58E+08	158450839	+	2.605E-23	8.65851E-22	-0.23137	hypo	sig	chr7_158450839
chr21	33025970	33025970	+	2.618E-23	8.70057E-22	0.28432	hyper	sig	chr21_33025970
chr13	1.1E+08	109782144	+	2.623E-23	8.71846E-22	-0.3643	hypo	sig	chr13_109782144
chr7	19106895	19106895	+	2.625E-23	8.72351E-22	0.247039	hyper	sig	chr7_19106895
chr1	1.11E+08	110675492	+	2.629E-23	8.7357E-22	0.283448	hyper	sig	chr1_110675492
chr1	1.21E+08	121009588	+	2.632E-23	8.74421E-22	0.256029	hyper	sig	chr1_121009588
chr12	1.14E+08	114443888	+	2.636E-23	8.75741E-22	0.206747	hyper	sig	chr12_114443888
chr3	1.47E+08	147398143	+	2.638E-23	8.76317E-22	0.251745	hyper	sig	chr3_147398143
chr1	1.07E+08	107140159	+	2.64E-23	8.77021E-22	0.206952	hyper	sig	chr1_107140159
chr5	1555731	1555731	+	2.641E-23	8.775E-22	-0.24846	hypo	sig	chr5_1555731
chr8	49910518	49910518	+	2.644E-23	8.78413E-22	0.226973	hyper	sig	chr8_49910518
chr12	43552195	43552195	+	2.654E-23	8.81432E-22	0.298294	hyper	sig	chr12_43552195
chr1	98044740	98044740	+	2.654E-23	8.81641E-22	0.280623	hyper	sig	chr1_98044740
chr1	38044510	38044510	+	2.66E-23	8.83527E-22	0.238631	hyper	sig	chr1_38044510
chr6	1E+08	100467357	+	2.665E-23	8.85294E-22	0.25154	hyper	sig	chr6_100467357
chr13	57630977	57630977	+	2.671E-23	8.8715E-22	0.244865	hyper	sig	chr13_57630977
chr3	1.38E+08	137761976	+	2.674E-23	8.87866E-22	0.252794	hyper	sig	chr3_137761976

chr13	36432098	36432098	+	2.674E-23	8.87888E-22	0.275446	hyper	sig	chr13_36432098
chr5	42944210	42944210	+	2.681E-23	8.90303E-22	0.317461	hyper	sig	chr5_42944210
chr13	27793117	27793117	+	2.689E-23	8.92942E-22	0.38242	hyper	sig	chr13_27793117
chr14	77140514	77140514	+	2.691E-23	8.93335E-22	0.231071	hyper	sig	chr14_77140514
chr10	8036324	8036324	+	2.692E-23	8.93601E-22	0.350789	hyper	sig	chr10_8036324
chr12	53975664	53975664	+	2.692E-23	8.93649E-22	0.249046	hyper	sig	chr12_53975664
chr16	1266438	1266438	+	2.693E-23	8.93929E-22	-0.23225	hypo	sig	chr16_1266438
chr15	57591313	57591313	+	2.697E-23	8.95286E-22	-0.2122	hypo	sig	chr15_57591313
chr8	76683078	76683078	+	2.698E-23	8.9542E-22	0.259822	hyper	sig	chr8_76683078
chr1	2252009	2252009	+	2.701E-23	8.96539E-22	-0.23231	hypo	sig	chr1_2252009
chr19	1520552	1520552	+	2.714E-23	9.00733E-22	-0.27204	hypo	sig	chr19_1520552
chr17	8087797	8087797	+	2.717E-23	9.01734E-22	-0.30808	hypo	sig	chr17_8087797
chr3	1.33E+08	133037926	+	2.72E-23	9.0255E-22	0.247508	hyper	sig	chr3_133037926
chr10	49115099	49115099	+	2.72E-23	9.02765E-22	0.259426	hyper	sig	chr10_49115099
chr16	55328862	55328862	+	2.724E-23	9.03842E-22	0.28377	hyper	sig	chr16_55328862
chr6	13860192	13860192	+	2.724E-23	9.03842E-22	0.283158	hyper	sig	chr6_13860192
chr11	22433092	22433092	+	2.732E-23	9.06415E-22	0.291961	hyper	sig	chr11_22433092
chr2	2.38E+08	238139967	+	2.734E-23	9.06981E-22	-0.21631	hypo	sig	chr2_238139967
chr8	56445734	56445734	+	2.74E-23	9.09212E-22	0.218912	hyper	sig	chr8_56445734
chr16	85644527	85644527	+	2.745E-23	9.1061E-22	-0.31254	hypo	sig	chr16_85644527
chr13	36432154	36432154	+	2.75E-23	9.12374E-22	0.238908	hyper	sig	chr13_36432154
chr12	1.31E+08	130611553	+	2.751E-23	9.12423E-22	0.229586	hyper	sig	chr12_130611553
chr20	21702863	21702863	+	2.751E-23	9.12478E-22	0.263657	hyper	sig	chr20_21702863
chr3	1.47E+08	147423060	+	2.753E-23	9.12985E-22	0.210265	hyper	sig	chr3_147423060
chr4	1.04E+08	103719931	+	2.759E-23	9.15121E-22	0.215851	hyper	sig	chr4_103719931
chr7	2662070	2662070	+	2.762E-23	9.15831E-22	-0.33302	hypo	sig	chr7_2662070
chr10	1.32E+08	132232852	+	2.765E-23	9.16884E-22	-0.25299	hypo	sig	chr10_132232852
chr14	60507298	60507298	+	2.77E-23	9.18567E-22	0.337492	hyper	sig	chr14_60507298
chr17	79390340	79390340	+	2.777E-23	9.20746E-22	-0.2177	hypo	sig	chr17_79390340
chr8	1.42E+08	141622569	+	2.778E-23	9.21023E-22	-0.2814	hypo	sig	chr8_141622569
chr7	1.57E+08	157392675	+	2.786E-23	9.23502E-22	-0.21237	hypo	sig	chr7_157392675
chr4	55125308	55125308	+	2.795E-23	9.26726E-22	0.299037	hyper	sig	chr4_55125308
chr2	2.42E+08	241863714	+	2.796E-23	9.26744E-22	0.20704	hyper	sig	chr2_241863714
chr19	1473177	1473177	+	2.8E-23	9.28206E-22	-0.249	hypo	sig	chr19_1473177
chr12	4810018	4810018	+	2.812E-23	9.32132E-22	0.31324	hyper	sig	chr12_4810018
chr2	1.24E+08	124025666	+	2.825E-23	9.3639E-22	0.274716	hyper	sig	chr2_124025666
chr19	57583787	57583787	+	2.833E-23	9.38925E-22	0.282088	hyper	sig	chr19_57583787
chr12	1795357	1795357	+	2.835E-23	9.39321E-22	-0.24089	hypo	sig	chr12_1795357
chr5	73444943	73444943	+	2.837E-23	9.39972E-22	0.261438	hyper	sig	chr5_73444943
chr19	22052745	22052745	+	2.838E-23	9.40406E-22	0.267732	hyper	sig	chr19_22052745
chr20	46118184	46118184	+	2.84E-23	9.40964E-22	0.230654	hyper	sig	chr20_46118184
chr1	63320345	63320345	+	2.841E-23	9.41174E-22	0.232046	hyper	sig	chr1_63320345
chr14	64541953	64541953	+	2.847E-23	9.43362E-22	0.233153	hyper	sig	chr14_64541953
chr11	32433612	32433612	+	2.856E-23	9.46189E-22	0.304958	hyper	sig	chr11_32433612
chr2	1.54E+08	153871459	+	2.862E-23	9.48015E-22	0.321148	hyper	sig	chr2_153871459
chr17	81858639	81858639	+	2.865E-23	9.49217E-22	-0.20428	hypo	sig	chr17_81858639
chr3	1.33E+08	133038142	+	2.866E-23	9.49297E-22	0.276346	hyper	sig	chr3_133038142
chr14	92324217	92324217	+	2.872E-23	9.5139E-22	0.230173	hyper	sig	chr14_92324217
chr11	1.23E+08	122977780	+	2.874E-23	9.51943E-22	0.247712	hyper	sig	chr11_122977780
chr21	36704958	36704958	+	2.875E-23	9.52271E-22	0.279803	hyper	sig	chr21_36704958
chr16	1543431	1543431	+	2.877E-23	9.52952E-22	-0.2757	hypo	sig	chr16_1543431
chr3	1.43E+08	143175105	+	2.878E-23	9.53046E-22	-0.35624	hypo	sig	chr3_143175105
chr5	1.72E+08	171581027	+	2.878E-23	9.53046E-22	-0.28483	hypo	sig	chr5_171581027
chr17	65536780	65536780	+	2.878E-23	9.53079E-22	-0.28108	hypo	sig	chr17_65536780
chr13	57629566	57629566	+	2.915E-23	9.65232E-22	0.315599	hyper	sig	chr13_57629566
chr3	12759337	12759337	+	2.918E-23	9.66046E-22	-0.26616	hypo	sig	chr3_12759337

chr16	66604358	66604358	+	2.919E-23	9.66329E-22	0.26812	hyper	sig	chr16_66604358
chr1	1.77E+08	177171488	+	2.922E-23	9.67361E-22	0.238804	hyper	sig	chr1_177171488
chr7	1625316	1625316	+	2.93E-23	9.70028E-22	-0.30697	hypo	sig	chr7_1625316
chr5	95962672	95962672	+	2.931E-23	9.70089E-22	-0.3008	hypo	sig	chr5_95962672
chr5	77972583	77972583	+	2.933E-23	9.70932E-22	0.231566	hyper	sig	chr5_77972583
chr7	82442810	82442810	+	2.934E-23	9.71088E-22	0.206264	hyper	sig	chr7_82442810
chr11	74731814	74731814	+	2.935E-23	9.713E-22	0.264809	hyper	sig	chr11_74731814
chr16	88316354	88316354	+	2.94E-23	9.72939E-22	-0.24004	hypo	sig	chr16_88316354
chr10	11742100	11742100	+	2.942E-23	9.73445E-22	0.215402	hyper	sig	chr10_11742100
chr2	88766016	88766016	+	2.948E-23	9.75426E-22	0.22877	hyper	sig	chr2_88766016
chr4	40857115	40857115	+	2.949E-23	9.75878E-22	0.308258	hyper	sig	chr4_40857115
chr11	1.33E+08	133076797	+	2.952E-23	9.76782E-22	-0.24963	hypo	sig	chr11_133076797
chr19	49043531	49043531	+	2.956E-23	9.77868E-22	-0.20594	hypo	sig	chr19_49043531
chr5	1.41E+08	141431614	+	2.957E-23	9.78179E-22	0.236266	hyper	sig	chr5_141431614
chr14	97219552	97219552	+	2.958E-23	9.78597E-22	0.259412	hyper	sig	chr14_97219552
chr4	41880904	41880904	+	2.958E-23	9.78612E-22	0.244914	hyper	sig	chr4_41880904
chr19	35558529	35558529	+	2.961E-23	9.79384E-22	0.264892	hyper	sig	chr19_35558529
chr6	99606200	99606200	+	2.963E-23	9.80023E-22	0.252033	hyper	sig	chr6_99606200
chr1	1.1E+08	109668440	+	2.97E-23	9.82394E-22	0.311192	hyper	sig	chr1_109668440
chr6	72621924	72621924	+	2.971E-23	9.82665E-22	0.208224	hyper	sig	chr6_72621924
chr4	1349061	1349061	+	2.977E-23	9.84593E-22	-0.23927	hypo	sig	chr4_1349061
chr10	43340635	43340635	+	2.986E-23	9.87512E-22	-0.33374	hypo	sig	chr10_43340635
chr6	1.17E+08	117263474	+	2.986E-23	9.87512E-22	0.24896	hyper	sig	chr6_117263474
chr8	64586236	64586236	+	2.987E-23	9.87684E-22	0.240213	hyper	sig	chr8_64586236
chr16	29235715	29235715	+	2.988E-23	9.88118E-22	-0.21765	hypo	sig	chr16_29235715
chr2	1.32E+08	131802649	+	2.997E-23	9.90933E-22	0.206684	hyper	sig	chr2_131802649
chr15	83285110	83285110	+	3.002E-23	9.92485E-22	0.338707	hyper	sig	chr15_83285110
chr5	539415	539415	+	3.006E-23	9.93727E-22	-0.23899	hypo	sig	chr5_539415
chr4	61200707	61200707	+	3.01E-23	9.95183E-22	0.350669	hyper	sig	chr4_61200707
chr2	85584298	85584298	+	3.021E-23	9.98742E-22	0.237608	hyper	sig	chr2_85584298
chr2	2.4E+08	240411287	+	3.023E-23	9.99162E-22	-0.26415	hypo	sig	chr2_240411287
chr10	27999213	27999213	+	3.023E-23	9.9919E-22	0.243684	hyper	sig	chr10_27999213
chr13	23547325	23547325	+	3.029E-23	1.00117E-21	0.298101	hyper	sig	chr13_23547325
chr8	48870129	48870129	+	3.029E-23	1.00123E-21	0.268528	hyper	sig	chr8_48870129
chr14	94773873	94773873	+	3.04E-23	1.00475E-21	0.356684	hyper	sig	chr14_94773873
chr8	1.4E+08	139663914	+	3.044E-23	1.00577E-21	-0.25561	hypo	sig	chr8_139663914
chr1	1.44E+08	143661960	+	3.052E-23	1.00861E-21	0.261616	hyper	sig	chr1_143661960
chr13	1.1E+08	110475281	+	3.055E-23	1.00928E-21	-0.22528	hypo	sig	chr13_110475281
chr1	1.47E+08	147079018	+	3.055E-23	1.00938E-21	0.257338	hyper	sig	chr1_147079018
chr5	1.35E+08	135038749	+	3.069E-23	1.01411E-21	0.233241	hyper	sig	chr5_135038749
chr5	1.79E+08	179060729	+	3.077E-23	1.01657E-21	0.303583	hyper	sig	chr5_179060729
chr15	29115664	29115664	+	3.079E-23	1.01732E-21	0.233605	hyper	sig	chr15_29115664
chr21	33024769	33024769	+	3.104E-23	1.0254E-21	0.248587	hyper	sig	chr21_33024769
chr6	1.37E+08	136923543	+	3.104E-23	1.02541E-21	0.35678	hyper	sig	chr6_136923543
chr19	56671610	56671610	+	3.112E-23	1.02795E-21	0.300974	hyper	sig	chr19_56671610
chr10	25935070	25935070	+	3.113E-23	1.0282E-21	0.225098	hyper	sig	chr10_25935070
chr5	42994049	42994049	+	3.113E-23	1.0282E-21	0.281885	hyper	sig	chr5_42994049
chr3	1.4E+08	139939911	+	3.117E-23	1.02949E-21	-0.31698	hypo	sig	chr3_139939911
chr22	27804581	27804581	+	3.119E-23	1.03023E-21	-0.24661	hypo	sig	chr22_27804581
chr12	1.14E+08	114408480	+	3.121E-23	1.03066E-21	0.264298	hyper	sig	chr12_114408480
chr6	1.68E+08	168410544	+	3.121E-23	1.03068E-21	-0.29364	hypo	sig	chr6_168410544
chr14	1.05E+08	104739950	+	3.121E-23	1.03081E-21	-0.24543	hypo	sig	chr14_104739950
chr11	15935984	15935984	+	3.126E-23	1.0322E-21	-0.29629	hypo	sig	chr11_15935984
chr2	1.72E+08	172080635	+	3.126E-23	1.03231E-21	0.226606	hyper	sig	chr2_172080635
chr6	33010602	33010602	+	3.13E-23	1.03353E-21	-0.23763	hypo	sig	chr6_33010602
chr1	18631830	18631830	+	3.137E-23	1.0357E-21	0.225848	hyper	sig	chr1_18631830

chr1	2482198	2482198	+	3.148E-23	1.03941E-21	-0.25987	hypo	sig	chr1_2482198
chr3	48269126	48269126	+	3.15E-23	1.03993E-21	-0.25627	hypo	sig	chr3_48269126
chr16	86508054	86508054	+	3.15E-23	1.03994E-21	0.264975	hyper	sig	chr16_86508054
chr6	83854191	83854191	+	3.159E-23	1.04271E-21	0.259195	hyper	sig	chr6_83854191
chr18	57428323	57428323	+	3.162E-23	1.04368E-21	0.274586	hyper	sig	chr18_57428323
chr7	49773247	49773247	+	3.166E-23	1.04495E-21	0.208929	hyper	sig	chr7_49773247
chr5	55223227	55223227	+	3.169E-23	1.04594E-21	0.29673	hyper	sig	chr5_55223227
chr15	43239872	43239872	+	3.176E-23	1.048E-21	-0.23596	hypo	sig	chr15_43239872
chr12	1.14E+08	114401083	+	3.187E-23	1.05161E-21	0.203812	hyper	sig	chr12_114401083
chr12	29783142	29783142	+	3.187E-23	1.05162E-21	0.34289	hyper	sig	chr12_29783142
chr5	574035	574035	+	3.195E-23	1.05409E-21	-0.2353	hypo	sig	chr5_574035
chr5	1.41E+08	141245672	+	3.198E-23	1.0551E-21	0.252524	hyper	sig	chr5_141245672
chr3	62368035	62368035	+	3.2E-23	1.05577E-21	0.298432	hyper	sig	chr3_62368035
chr16	1146713	1146713	+	3.203E-23	1.05671E-21	-0.25757	hypo	sig	chr16_1146713
chr12	53975612	53975612	+	3.21E-23	1.05912E-21	0.239851	hyper	sig	chr12_53975612
chr12	49961556	49961556	+	3.217E-23	1.06121E-21	0.205409	hyper	sig	chr12_49961556
chr17	82358956	82358956	+	3.228E-23	1.06467E-21	-0.25997	hypo	sig	chr17_82358956
chr22	29480408	29480408	+	3.233E-23	1.06626E-21	0.23284	hyper	sig	chr22_29480408
chr19	53520639	53520639	+	3.236E-23	1.06728E-21	0.226404	hyper	sig	chr19_53520639
chr6	1.69E+08	169158879	+	3.241E-23	1.06912E-21	-0.21291	hypo	sig	chr6_169158879
chr6	1.7E+08	170083394	+	3.247E-23	1.071E-21	-0.23174	hypo	sig	chr6_170083394
chr7	1.58E+08	157851644	+	3.249E-23	1.07137E-21	-0.23736	hypo	sig	chr7_157851644
chr16	1991579	1991579	+	3.249E-23	1.07143E-21	0.288725	hyper	sig	chr16_1991579
chr10	23192674	23192674	+	3.251E-23	1.07222E-21	0.275909	hyper	sig	chr10_23192674
chr7	19106659	19106659	+	3.26E-23	1.07496E-21	0.21791	hyper	sig	chr7_19106659
chr1	18631911	18631911	+	3.263E-23	1.07601E-21	0.236435	hyper	sig	chr1_18631911
chr21	46296535	46296535	+	3.264E-23	1.07615E-21	0.214183	hyper	sig	chr21_46296535
chr8	85438051	85438051	+	3.265E-23	1.07647E-21	0.206676	hyper	sig	chr8_85438051
chr3	10816115	10816115	+	3.268E-23	1.07737E-21	0.286498	hyper	sig	chr3_10816115
chr14	94768539	94768539	+	3.269E-23	1.07779E-21	0.20763	hyper	sig	chr14_94768539
chr1	3209518	3209518	+	3.271E-23	1.07827E-21	-0.2158	hypo	sig	chr1_3209518
chr2	2.39E+08	239027703	+	3.272E-23	1.07852E-21	-0.23386	hypo	sig	chr2_239027703
chr1	9652518	9652518	+	3.275E-23	1.0796E-21	0.247315	hyper	sig	chr1_9652518
chr11	92225884	92225884	+	3.279E-23	1.08093E-21	0.328478	hyper	sig	chr11_92225884
chr1	47994415	47994415	+	3.281E-23	1.08137E-21	-0.21745	hypo	sig	chr1_47994415
chr21	33071995	33071995	+	3.282E-23	1.08189E-21	0.200367	hyper	sig	chr21_33071995
chr16	11676310	11676310	+	3.287E-23	1.08317E-21	-0.29291	hypo	sig	chr16_11676310
chr12	1.04E+08	104303718	+	3.292E-23	1.08487E-21	0.207011	hyper	sig	chr12_104303718
chr10	11164809	11164809	+	3.302E-23	1.08812E-21	0.250928	hyper	sig	chr10_11164809
chr5	1.69E+08	169301582	+	3.33E-23	1.09732E-21	0.233343	hyper	sig	chr5_169301582
chr1	3063586	3063586	+	3.334E-23	1.09855E-21	0.214893	hyper	sig	chr1_3063586
chr5	1.41E+08	140834484	+	3.335E-23	1.09891E-21	0.200444	hyper	sig	chr5_140834484
chr3	26624035	26624035	+	3.337E-23	1.09933E-21	0.321685	hyper	sig	chr3_26624035
chr12	48528601	48528601	+	3.34E-23	1.10029E-21	-0.23042	hypo	sig	chr12_48528601
chr19	22422333	22422333	+	3.352E-23	1.10431E-21	0.232852	hyper	sig	chr19_22422333
chr8	49909734	49909734	+	3.354E-23	1.10481E-21	0.232712	hyper	sig	chr8_49909734
chr5	73298629	73298629	+	3.368E-23	1.10932E-21	0.256456	hyper	sig	chr5_73298629
chr2	44929809	44929809	+	3.37E-23	1.11002E-21	0.246383	hyper	sig	chr2_44929809
chr20	63481757	63481757	+	3.374E-23	1.11132E-21	-0.26677	hypo	sig	chr20_63481757
chr17	42670438	42670438	+	3.38E-23	1.11308E-21	0.253313	hyper	sig	chr17_42670438
chr20	5315690	5315690	+	3.381E-23	1.11355E-21	0.238375	hyper	sig	chr20_5315690
chr19	15181655	15181655	+	3.382E-23	1.11366E-21	-0.2497	hypo	sig	chr19_15181655
chr6	1.51E+08	151350542	+	3.388E-23	1.11555E-21	-0.32416	hypo	sig	chr6_151350542
chr2	1.9E+08	189582066	+	3.391E-23	1.11653E-21	-0.33714	hypo	sig	chr2_189582066
chr4	1.56E+08	155759895	+	3.391E-23	1.11653E-21	0.203073	hyper	sig	chr4_155759895
chr12	1.14E+08	114395988	+	3.393E-23	1.11712E-21	0.260889	hyper	sig	chr12_114395988

chr16	57803032	57803032	+	3.399E-23	1.11918E-21	0.301919	hyper	sig	chr16_57803032
chr19	20078313	20078313	+	3.4E-23	1.11926E-21	0.222048	hyper	sig	chr19_20078313
chr19	36418722	36418722	+	3.404E-23	1.12084E-21	0.208953	hyper	sig	chr19_36418722
chr10	63132913	63132913	+	3.41E-23	1.12258E-21	-0.24994	hypo	sig	chr10_63132913
chr9	3180915	3180915	+	3.423E-23	1.12689E-21	0.208378	hyper	sig	chr9_3180915
chr1	1.75E+08	175045521	+	3.426E-23	1.12779E-21	-0.29517	hypo	sig	chr1_175045521
chr16	85624557	85624557	+	3.428E-23	1.12846E-21	-0.25715	hypo	sig	chr16_85624557
chr5	10556343	10556343	+	3.431E-23	1.1292E-21	-0.22907	hypo	sig	chr5_10556343
chr19	10544968	10544968	+	3.445E-23	1.13395E-21	-0.24036	hypo	sig	chr19_10544968
chr17	83065495	83065495	+	3.46E-23	1.13872E-21	-0.20996	hypo	sig	chr17_83065495
chr18	37567872	37567872	+	3.462E-23	1.13925E-21	0.245284	hyper	sig	chr18_37567872
chr13	1.12E+08	112074065	+	3.464E-23	1.13994E-21	0.217753	hyper	sig	chr13_112074065
chr1	7640577	7640577	+	3.472E-23	1.14243E-21	-0.2213	hypo	sig	chr1_7640577
chr14	77026602	77026602	+	3.472E-23	1.14243E-21	0.233703	hyper	sig	chr14_77026602
chr1	27369240	27369240	+	3.476E-23	1.14383E-21	-0.27536	hypo	sig	chr1_27369240
chr2	1.76E+08	176112793	+	3.482E-23	1.14548E-21	0.260116	hyper	sig	chr2_176112793
chr10	75408767	75408767	+	3.486E-23	1.14689E-21	0.290253	hyper	sig	chr10_75408767
chr11	64972267	64972267	+	3.487E-23	1.14696E-21	0.289228	hyper	sig	chr11_64972267
chr15	89360447	89360447	+	3.488E-23	1.14745E-21	0.247533	hyper	sig	chr15_89360447
chr12	3454298	3454298	+	3.497E-23	1.15024E-21	-0.28493	hypo	sig	chr12_3454298
chr6	32076327	32076327	+	3.5E-23	1.15126E-21	-0.20453	hypo	sig	chr6_32076327
chr10	99527916	99527916	+	3.501E-23	1.15169E-21	0.244901	hyper	sig	chr10_99527916
chr19	728131	728131	+	3.503E-23	1.15224E-21	-0.24688	hypo	sig	chr19_728131
chr5	38846345	38846345	+	3.507E-23	1.15348E-21	0.28472	hyper	sig	chr5_38846345
chr20	56625854	56625854	+	3.508E-23	1.15364E-21	0.260281	hyper	sig	chr20_56625854
chr7	50450637	50450637	+	3.532E-23	1.16159E-21	0.230502	hyper	sig	chr7_50450637
chr14	1.01E+08	101439937	+	3.533E-23	1.16181E-21	-0.25087	hypo	sig	chr14_101439937
chr17	52159389	52159389	+	3.536E-23	1.16279E-21	0.235129	hyper	sig	chr17_52159389
chr7	27106705	27106705	+	3.543E-23	1.16502E-21	0.239294	hyper	sig	chr7_27106705
chr6	28810519	28810519	+	3.558E-23	1.16972E-21	0.250926	hyper	sig	chr6_28810519
chr4	1.74E+08	173519528	+	3.561E-23	1.1706E-21	0.266056	hyper	sig	chr4_173519528
chr16	85625249	85625249	+	3.563E-23	1.17129E-21	-0.26519	hypo	sig	chr16_85625249
chr19	58581341	58581341	+	3.568E-23	1.17287E-21	0.217575	hyper	sig	chr19_58581341
chr13	42574218	42574218	+	3.574E-23	1.17489E-21	0.261461	hyper	sig	chr13_42574218
chr19	52535705	52535705	+	3.58E-23	1.17667E-21	0.237761	hyper	sig	chr19_52535705
chr7	1.59E+08	159143846	+	3.58E-23	1.17669E-21	0.261599	hyper	sig	chr7_159143846
chr5	1852745	1852745	+	3.587E-23	1.17887E-21	-0.23469	hypo	sig	chr5_1852745
chr5	1.41E+08	141224804	+	3.587E-23	1.17901E-21	0.262016	hyper	sig	chr5_141224804
chr3	1.6E+08	160039340	+	3.592E-23	1.18039E-21	0.258407	hyper	sig	chr3_160039340
chr8	22154311	22154311	+	3.592E-23	1.18062E-21	-0.30565	hypo	sig	chr8_22154311
chr11	31804208	31804208	+	3.598E-23	1.18247E-21	0.209201	hyper	sig	chr11_31804208
chr22	50471436	50471436	+	3.6E-23	1.18302E-21	-0.2356	hypo	sig	chr22_50471436
chr6	1.69E+08	169140674	+	3.606E-23	1.18481E-21	-0.22575	hypo	sig	chr6_169140674
chr1	1.47E+08	147072690	+	3.606E-23	1.18503E-21	0.258604	hyper	sig	chr1_147072690
chr5	1.48E+08	147645412	+	3.61E-23	1.18598E-21	-0.28188	hypo	sig	chr5_147645412
chr16	54932592	54932592	+	3.61E-23	1.18604E-21	0.229863	hyper	sig	chr16_54932592
chr4	8353364	8353364	+	3.627E-23	1.19157E-21	-0.25491	hypo	sig	chr4_8353364
chr19	29526624	29526624	+	3.63E-23	1.19247E-21	0.289731	hyper	sig	chr19_29526624
chr12	4910145	4910145	+	3.631E-23	1.19293E-21	0.340483	hyper	sig	chr12_4910145
chr10	1.32E+08	132204553	+	3.633E-23	1.19337E-21	-0.22787	hypo	sig	chr10_132204553
chr5	64166360	64166360	+	3.634E-23	1.19374E-21	0.217103	hyper	sig	chr5_64166360
chr10	1.33E+08	133213374	+	3.639E-23	1.19513E-21	-0.21399	hypo	sig	chr10_133213374
chr11	1.21E+08	120660151	+	3.639E-23	1.19513E-21	-0.21783	hypo	sig	chr11_120660151
chr17	36464892	36464892	+	3.639E-23	1.19513E-21	0.30993	hyper	sig	chr17_36464892
chr11	68842903	68842903	+	3.642E-23	1.19592E-21	-0.26994	hypo	sig	chr11_68842903
chr13	1.12E+08	111900405	+	3.645E-23	1.1969E-21	-0.33165	hypo	sig	chr13_111900405

chr8	26048594	26048594	+	3.649E-23	1.1984E-21	0.216797	hyper	sig	chr8_26048594
chr1	1.11E+08	110674831	+	3.65E-23	1.19859E-21	0.429752	hyper	sig	chr1_110674831
chr3	62377114	62377114	+	3.65E-23	1.19862E-21	0.268418	hyper	sig	chr3_62377114
chr8	1.44E+08	143718798	+	3.66E-23	1.2018E-21	-0.29843	hypo	sig	chr8_143718798
chr5	1.35E+08	135038702	+	3.662E-23	1.20246E-21	0.268989	hyper	sig	chr5_135038702
chr5	1.41E+08	141421972	+	3.667E-23	1.20398E-21	0.27135	hyper	sig	chr5_141421972
chr14	24311453	24311453	+	3.674E-23	1.20601E-21	0.219223	hyper	sig	chr14_24311453
chr5	37839703	37839703	+	3.687E-23	1.21046E-21	0.206893	hyper	sig	chr5_37839703
chr5	1.41E+08	141478050	+	3.696E-23	1.21328E-21	0.257141	hyper	sig	chr5_141478050
chr10	1036492	1036492	+	3.697E-23	1.21346E-21	-0.27965	hypo	sig	chr10_1036492
chr20	60087881	60087881	+	3.715E-23	1.21927E-21	0.223452	hyper	sig	chr20_60087881
chr2	2.39E+08	238890761	+	3.716E-23	1.21977E-21	-0.20791	hypo	sig	chr2_238890761
chr17	76917887	76917887	+	3.725E-23	1.22266E-21	-0.32531	hypo	sig	chr17_76917887
chr7	1.5E+08	150341403	+	3.728E-23	1.22358E-21	0.283402	hyper	sig	chr7_150341403
chr11	49890015	49890015	+	3.73E-23	1.22419E-21	-0.2744	hypo	sig	chr11_49890015
chr12	54060615	54060615	+	3.736E-23	1.2261E-21	0.264849	hyper	sig	chr12_54060615
chr1	2.28E+08	228464506	+	3.742E-23	1.22781E-21	0.243566	hyper	sig	chr1_228464506
chr3	50322471	50322471	+	3.745E-23	1.22889E-21	-0.22877	hypo	sig	chr3_50322471
chr7	28411077	28411077	+	3.746E-23	1.22914E-21	0.245007	hyper	sig	chr7_28411077
chr5	88689969	88689969	+	3.749E-23	1.23008E-21	0.231884	hyper	sig	chr5_88689969
chr22	50265420	50265420	+	3.753E-23	1.23138E-21	-0.2465	hypo	sig	chr22_50265420
chr5	1.79E+08	179060715	+	3.755E-23	1.23191E-21	0.296519	hyper	sig	chr5_179060715
chr1	2.44E+08	243917766	+	3.761E-23	1.23387E-21	0.239822	hyper	sig	chr1_243917766
chr5	1.41E+08	141124221	+	3.765E-23	1.23512E-21	0.206942	hyper	sig	chr5_141124221
chr1	1.54E+08	153535022	+	3.767E-23	1.23557E-21	-0.30885	hypo	sig	chr1_153535022
chr3	68007777	68007777	+	3.773E-23	1.23764E-21	0.357312	hyper	sig	chr3_68007777
chr3	50322521	50322521	+	3.773E-23	1.23772E-21	-0.21937	hypo	sig	chr3_50322521
chr6	37705936	37705936	+	3.778E-23	1.23934E-21	0.248293	hyper	sig	chr6_37705936
chr7	45921970	45921970	+	3.779E-23	1.23953E-21	0.232754	hyper	sig	chr7_45921970
chr8	68331675	68331675	+	3.786E-23	1.24175E-21	0.228925	hyper	sig	chr8_68331675
chr6	1.68E+08	168356335	+	3.814E-23	1.25074E-21	-0.27152	hypo	sig	chr6_168356335
chr10	1.05E+08	104640928	+	3.816E-23	1.25123E-21	0.302092	hyper	sig	chr10_104640928
chr1	919393	919393	+	3.816E-23	1.25127E-21	-0.24258	hypo	sig	chr1_919393
chr3	1.41E+08	141065287	+	3.818E-23	1.25176E-21	-0.25402	hypo	sig	chr3_141065287
chr5	7306703	7306703	+	3.823E-23	1.25333E-21	-0.26744	hypo	sig	chr5_7306703
chr13	42574197	42574197	+	3.827E-23	1.25456E-21	0.21977	hyper	sig	chr13_42574197
chr11	2732655	2732655	+	3.832E-23	1.25609E-21	-0.22155	hypo	sig	chr11_2732655
chr16	89248099	89248099	+	3.849E-23	1.26154E-21	0.290003	hyper	sig	chr16_89248099
chr5	1.41E+08	140807525	+	3.857E-23	1.26437E-21	0.218096	hyper	sig	chr5_140807525
chr2	1.29E+08	128900162	+	3.867E-23	1.26744E-21	-0.25713	hypo	sig	chr2_128900162
chr1	2.48E+08	247937180	+	3.868E-23	1.26767E-21	0.238468	hyper	sig	chr1_247937180
chr1	1.58E+08	158181501	+	3.869E-23	1.26783E-21	0.291083	hyper	sig	chr1_158181501
chr6	27772345	27772345	+	3.873E-23	1.26912E-21	-0.25588	hypo	sig	chr6_27772345
chr7	4093673	4093673	+	3.873E-23	1.26912E-21	0.253717	hyper	sig	chr7_4093673
chr6	1.05E+08	104940384	+	3.877E-23	1.27038E-21	0.244975	hyper	sig	chr6_104940384
chr22	49671392	49671392	+	3.891E-23	1.2747E-21	0.219812	hyper	sig	chr22_49671392
chr5	3606476	3606476	+	3.891E-23	1.27492E-21	0.29331	hyper	sig	chr5_3606476
chr12	1.33E+08	132908110	+	3.897E-23	1.27684E-21	0.274354	hyper	sig	chr12_132908110
chr12	1.32E+08	132403703	+	3.907E-23	1.28009E-21	-0.21075	hypo	sig	chr12_132403703
chr8	71558512	71558512	+	3.908E-23	1.28009E-21	0.216575	hyper	sig	chr8_71558512
chr8	54455015	54455015	+	3.925E-23	1.28567E-21	0.288671	hyper	sig	chr8_54455015
chr16	7304494	7304494	+	3.928E-23	1.2867E-21	0.295815	hyper	sig	chr16_7304494
chr14	1.04E+08	104141936	+	3.932E-23	1.28802E-21	-0.24687	hypo	sig	chr14_104141936
chr17	79379408	79379408	+	3.943E-23	1.29118E-21	-0.24572	hypo	sig	chr17_79379408
chr5	1.41E+08	140882102	+	3.945E-23	1.29191E-21	0.217346	hyper	sig	chr5_140882102
chr2	1.27E+08	126656818	+	3.945E-23	1.29198E-21	0.258476	hyper	sig	chr2_126656818

chr19	1429709	1429709	+	3.952E-23	1.29419E-21	-0.22328	hypo	sig	chr19_1429709
chr19	49699267	49699267	+	3.955E-23	1.2949E-21	-0.2974	hypo	sig	chr19_49699267
chr6	32758994	32758994	+	3.961E-23	1.29698E-21	-0.21285	hypo	sig	chr6_32758994
chr1	2.31E+08	231161364	+	3.97E-23	1.29981E-21	0.237904	hyper	sig	chr1_231161364
chr4	1.55E+08	154743071	+	3.974E-23	1.30101E-21	0.292653	hyper	sig	chr4_154743071
chr4	8269497	8269497	+	3.982E-23	1.30366E-21	-0.26235	hypo	sig	chr4_8269497
chr1	2.21E+08	220887528	+	3.983E-23	1.30377E-21	0.232499	hyper	sig	chr1_220887528
chr13	1.08E+08	107865759	+	3.988E-23	1.3055E-21	0.256846	hyper	sig	chr13_107865759
chr13	1.13E+08	113110250	+	3.991E-23	1.30627E-21	0.318673	hyper	sig	chr13_113110250
chr9	1.37E+08	136748423	+	3.991E-23	1.30638E-21	-0.24842	hypo	sig	chr9_136748423
chr17	43843199	43843199	+	3.998E-23	1.30848E-21	-0.34783	hypo	sig	chr17_43843199
chr2	44943119	44943119	+	3.998E-23	1.30857E-21	0.317969	hyper	sig	chr2_44943119
chr8	11039783	11039783	+	3.998E-23	1.30857E-21	-0.27082	hypo	sig	chr8_11039783
chr8	48735574	48735574	+	4.002E-23	1.30962E-21	0.231823	hyper	sig	chr8_48735574
chr1	75135334	75135334	+	4.015E-23	1.31382E-21	0.205625	hyper	sig	chr1_75135334
chr5	1761178	1761178	+	4.019E-23	1.31486E-21	-0.23406	hypo	sig	chr5_1761178
chr11	1.2E+08	120124169	+	4.036E-23	1.32041E-21	-0.20566	hypo	sig	chr11_120124169
chr20	21397911	21397911	+	4.044E-23	1.32294E-21	0.409131	hyper	sig	chr20_21397911
chr17	18625363	18625363	+	4.047E-23	1.32376E-21	0.241937	hyper	sig	chr17_18625363
chr2	2.41E+08	240672994	+	4.05E-23	1.32476E-21	0.21078	hyper	sig	chr2_240672994
chr8	66178015	66178015	+	4.053E-23	1.3256E-21	0.243168	hyper	sig	chr8_66178015
chr19	1005423	1005423	+	4.062E-23	1.32861E-21	-0.21093	hypo	sig	chr19_1005423
chr1	47434691	47434691	+	4.064E-23	1.32926E-21	0.268609	hyper	sig	chr1_47434691
chr19	19534779	19534779	+	4.064E-23	1.32926E-21	-0.26968	hypo	sig	chr19_19534779
chr1	20702950	20702950	+	4.067E-23	1.33014E-21	-0.28788	hypo	sig	chr1_20702950
chr11	1668311	1668311	+	4.074E-23	1.33225E-21	-0.23595	hypo	sig	chr11_1668311
chr20	24471182	24471182	+	4.076E-23	1.33301E-21	0.209965	hyper	sig	chr20_24471182
chr4	1.44E+08	143912319	+	4.077E-23	1.33324E-21	0.323083	hyper	sig	chr4_143912319
chr10	1.16E+08	116273495	+	4.086E-23	1.33613E-21	0.237586	hyper	sig	chr10_116273495
chr6	10382529	10382529	+	4.089E-23	1.33689E-21	0.254934	hyper	sig	chr6_10382529
chr3	1.02E+08	101678011	+	4.094E-23	1.33861E-21	-0.25605	hypo	sig	chr3_101678011
chr9	1.37E+08	137139564	+	4.107E-23	1.34258E-21	0.271474	hyper	sig	chr9_137139564
chr3	49686222	49686222	+	4.109E-23	1.34314E-21	0.239811	hyper	sig	chr3_49686222
chr7	30912077	30912077	+	4.111E-23	1.34394E-21	0.213395	hyper	sig	chr7_30912077
chr1	1.48E+08	148310271	+	4.119E-23	1.34642E-21	0.265415	hyper	sig	chr1_148310271
chr4	1.74E+08	173532015	+	4.122E-23	1.34743E-21	0.234759	hyper	sig	chr4_173532015
chr9	97852559	97852559	+	4.124E-23	1.34796E-21	0.347123	hyper	sig	chr9_97852559
chr20	17318705	17318705	+	4.137E-23	1.3522E-21	-0.26417	hypo	sig	chr20_17318705
chr18	59267956	59267956	+	4.138E-23	1.35245E-21	0.274002	hyper	sig	chr18_59267956
chr8	54455013	54455013	+	4.138E-23	1.35245E-21	0.289068	hyper	sig	chr8_54455013
chr9	1.25E+08	124814246	+	4.17E-23	1.36245E-21	-0.25008	hypo	sig	chr9_124814246
chr3	1.4E+08	139539063	+	4.179E-23	1.36536E-21	0.270457	hyper	sig	chr3_139539063
chr1	1007307	1007307	+	4.183E-23	1.36659E-21	-0.21953	hypo	sig	chr1_1007307
chr5	1.35E+08	135490088	+	4.189E-23	1.36853E-21	0.228447	hyper	sig	chr5_135490088
chr2	1.3E+08	129979663	+	4.191E-23	1.3693E-21	0.212399	hyper	sig	chr2_129979663
chr20	46058504	46058504	+	4.193E-23	1.36973E-21	0.236931	hyper	sig	chr20_46058504
chr17	75889560	75889560	+	4.195E-23	1.37035E-21	-0.23471	hypo	sig	chr17_75889560
chr13	27796885	27796885	+	4.196E-23	1.37075E-21	0.251275	hyper	sig	chr13_27796885
chr4	3690181	3690181	+	4.197E-23	1.37084E-21	-0.20392	hypo	sig	chr4_3690181
chr1	47433239	47433239	+	4.219E-23	1.378E-21	0.340967	hyper	sig	chr1_47433239
chr19	17445211	17445211	+	4.227E-23	1.38056E-21	-0.36173	hypo	sig	chr19_17445211
chr17	82715841	82715841	+	4.248E-23	1.38722E-21	-0.2535	hypo	sig	chr17_82715841
chr7	96997508	96997508	+	4.251E-23	1.38804E-21	0.354894	hyper	sig	chr7_96997508
chr17	21452671	21452671	+	4.251E-23	1.38805E-21	0.236216	hyper	sig	chr17_21452671
chr1	50425554	50425554	+	4.256E-23	1.38984E-21	0.282043	hyper	sig	chr1_50425554
chr5	1.41E+08	141433047	+	4.26E-23	1.39078E-21	0.256617	hyper	sig	chr5_141433047

chr7	813373	813373	+	4.262E-23	1.39154E-21	-0.22368	hypo	sig	chr7_813373
chr11	66420640	66420640	+	4.263E-23	1.39175E-21	0.301244	hyper	sig	chr11_66420640
chr5	32522940	32522940	+	4.264E-23	1.39188E-21	-0.23251	hypo	sig	chr5_32522940
chr1	2.05E+08	205349781	+	4.272E-23	1.39454E-21	-0.2755	hypo	sig	chr1_205349781
chr9	1.22E+08	121822248	+	4.274E-23	1.39531E-21	-0.28222	hypo	sig	chr9_121822248
chr8	1333530	1333530	+	4.276E-23	1.39583E-21	-0.20922	hypo	sig	chr8_1333530
chr5	32712981	32712981	+	4.283E-23	1.39806E-21	0.273943	hyper	sig	chr5_32712981
chr11	31824967	31824967	+	4.284E-23	1.39841E-21	0.244207	hyper	sig	chr11_31824967
chr17	82321112	82321112	+	4.289E-23	1.39972E-21	-0.27592	hypo	sig	chr17_82321112
chr5	42993925	42993925	+	4.292E-23	1.40065E-21	0.258406	hyper	sig	chr5_42993925
chr19	15024390	15024390	+	4.303E-23	1.40406E-21	-0.28074	hypo	sig	chr19_15024390
chr13	1.12E+08	112053514	+	4.312E-23	1.40711E-21	0.247456	hyper	sig	chr13_112053514
chr15	93430767	93430767	+	4.314E-23	1.40749E-21	-0.24013	hypo	sig	chr15_93430767
chr4	1.64E+08	164383388	+	4.315E-23	1.40795E-21	0.284216	hyper	sig	chr4_164383388
chr10	1.01E+08	100519897	+	4.321E-23	1.40961E-21	0.330775	hyper	sig	chr10_100519897
chr17	76077401	76077401	+	4.323E-23	1.4104E-21	0.258518	hyper	sig	chr17_76077401
chr1	1287578	1287578	+	4.332E-23	1.41314E-21	-0.25931	hypo	sig	chr1_1287578
chr6	10385138	10385138	+	4.334E-23	1.41384E-21	0.319165	hyper	sig	chr6_10385138
chr2	1.19E+08	118849819	+	4.339E-23	1.41521E-21	0.262074	hyper	sig	chr2_118849819
chr2	1.64E+08	163735884	+	4.351E-23	1.41897E-21	0.366355	hyper	sig	chr2_163735884
chr5	1876233	1876233	+	4.354E-23	1.41995E-21	0.205454	hyper	sig	chr5_1876233
chr10	6120792	6120792	+	4.366E-23	1.42382E-21	-0.24117	hypo	sig	chr10_6120792
chr15	77902137	77902137	+	4.368E-23	1.42463E-21	-0.2594	hypo	sig	chr15_77902137
chr2	1.31E+08	131040138	+	4.37E-23	1.42504E-21	0.243756	hyper	sig	chr2_131040138
chr16	4332836	4332836	+	4.372E-23	1.42573E-21	-0.2798	hypo	sig	chr16_4332836
chr1	24920359	24920359	+	4.373E-23	1.42609E-21	-0.24023	hypo	sig	chr1_24920359
chr14	28774028	28774028	+	4.374E-23	1.4262E-21	0.256747	hyper	sig	chr14_28774028
chr17	30559072	30559072	+	4.374E-23	1.4262E-21	-0.2195	hypo	sig	chr17_30559072
chr5	5568475	5568475	+	4.374E-23	1.42622E-21	-0.26587	hypo	sig	chr5_5568475
chr19	37817862	37817862	+	4.375E-23	1.42625E-21	0.236918	hyper	sig	chr19_37817862
chr8	29315446	29315446	+	4.376E-23	1.42642E-21	-0.22332	hypo	sig	chr8_29315446
chr12	1.07E+08	106586598	+	4.376E-23	1.42658E-21	0.271072	hyper	sig	chr12_106586598
chr19	48444407	48444407	+	4.38E-23	1.42761E-21	0.290818	hyper	sig	chr19_48444407
chr8	1931576	1931576	+	4.396E-23	1.43269E-21	-0.23785	hypo	sig	chr8_1931576
chr8	9899426	9899426	+	4.398E-23	1.43326E-21	0.240267	hyper	sig	chr8_9899426
chr16	85222817	85222817	+	4.407E-23	1.43637E-21	-0.22411	hypo	sig	chr16_85222817
chr5	38557460	38557460	+	4.414E-23	1.43845E-21	0.208803	hyper	sig	chr5_38557460
chr1	33307102	33307102	+	4.426E-23	1.44211E-21	0.273735	hyper	sig	chr1_33307102
chr8	1837786	1837786	+	4.427E-23	1.44242E-21	-0.21764	hypo	sig	chr8_1837786
chr3	1.39E+08	138939804	+	4.428E-23	1.44254E-21	0.212134	hyper	sig	chr3_138939804
chr13	78607812	78607812	+	4.435E-23	1.44494E-21	0.278874	hyper	sig	chr13_78607812
chr4	1404094	1404094	+	4.448E-23	1.44885E-21	0.24549	hyper	sig	chr4_1404094
chr1	37557056	37557056	+	4.448E-23	1.44893E-21	0.209265	hyper	sig	chr1_37557056
chr19	11538307	11538307	+	4.449E-23	1.44919E-21	-0.24462	hypo	sig	chr19_11538307
chr1	75135332	75135332	+	4.45E-23	1.44932E-21	0.211643	hyper	sig	chr1_75135332
chr5	1.39E+08	139393623	+	4.465E-23	1.45431E-21	0.285289	hyper	sig	chr5_139393623
chr7	1.58E+08	157768884	+	4.465E-23	1.45431E-21	-0.25479	hypo	sig	chr7_157768884
chr5	510334	510334	+	4.469E-23	1.45531E-21	-0.2307	hypo	sig	chr5_510334
chr8	98974171	98974171	+	4.477E-23	1.45794E-21	0.295411	hyper	sig	chr8_98974171
chr9	38237799	38237799	+	4.48E-23	1.45901E-21	-0.24133	hypo	sig	chr9_38237799
chr11	68411538	68411538	+	4.484E-23	1.46027E-21	-0.22742	hypo	sig	chr11_68411538
chr6	31508682	31508682	+	4.492E-23	1.46276E-21	-0.23444	hypo	sig	chr6_31508682
chr18	37275530	37275530	+	4.499E-23	1.46473E-21	0.248997	hyper	sig	chr18_37275530
chr1	52842964	52842964	+	4.514E-23	1.46963E-21	0.245424	hyper	sig	chr1_52842964
chr13	1.14E+08	114061276	+	4.519E-23	1.47122E-21	-0.29615	hypo	sig	chr13_114061276
chr12	57487379	57487379	+	4.522E-23	1.47213E-21	-0.20366	hypo	sig	chr12_57487379

chr11	2732717	2732717	+	4.536E-23	1.4767E-21	-0.24296	hypo	sig	chr11_2732717
chr7	1.51E+08	151187399	+	4.537E-23	1.47683E-21	-0.2609	hypo	sig	chr7_151187399
chr9	37029808	37029808	+	4.541E-23	1.47809E-21	0.207867	hyper	sig	chr9_37029808
chr11	20161029	20161029	+	4.557E-23	1.48318E-21	0.255248	hyper	sig	chr11_20161029
chr17	49994460	49994460	+	4.559E-23	1.4838E-21	0.268131	hyper	sig	chr17_49994460
chr6	28475019	28475019	+	4.561E-23	1.48434E-21	0.228734	hyper	sig	chr6_28475019
chr2	1.87E+08	186849262	+	4.571E-23	1.48775E-21	0.203352	hyper	sig	chr2_186849262
chr5	1.38E+08	137500652	+	4.574E-23	1.48851E-21	-0.36657	hypo	sig	chr5_137500652
chr3	1.86E+08	186361512	+	4.577E-23	1.48945E-21	0.262792	hyper	sig	chr3_186361512
chr17	78232165	78232165	+	4.581E-23	1.49062E-21	0.229864	hyper	sig	chr17_78232165
chr10	1411647	1411647	+	4.582E-23	1.49097E-21	-0.23497	hypo	sig	chr10_1411647
chr6	32068900	32068900	+	4.587E-23	1.49268E-21	-0.23812	hypo	sig	chr6_32068900
chr8	1.08E+08	108082648	+	4.589E-23	1.49317E-21	0.359535	hyper	sig	chr8_108082648
chr18	79430123	79430123	+	4.595E-23	1.49498E-21	-0.21647	hypo	sig	chr18_79430123
chr1	1.44E+08	143652893	+	4.595E-23	1.49505E-21	0.221198	hyper	sig	chr1_143652893
chr8	64368840	64368840	+	4.606E-23	1.49843E-21	0.233069	hyper	sig	chr8_64368840
chr16	85181963	85181963	+	4.62E-23	1.50278E-21	-0.23652	hypo	sig	chr16_85181963
chr11	32439068	32439068	+	4.621E-23	1.50306E-21	0.214961	hyper	sig	chr11_32439068
chr2	74526164	74526164	+	4.629E-23	1.50564E-21	-0.20411	hypo	sig	chr2_74526164
chr11	1208751	1208751	+	4.629E-23	1.50582E-21	-0.23642	hypo	sig	chr11_1208751
chr6	27260452	27260452	+	4.63E-23	1.50602E-21	0.214836	hyper	sig	chr6_27260452
chr3	1.88E+08	187670452	+	4.639E-23	1.5088E-21	0.252748	hyper	sig	chr3_187670452
chr10	27745120	27745120	+	4.676E-23	1.52059E-21	0.281481	hyper	sig	chr10_27745120
chr15	83284013	83284013	+	4.68E-23	1.52194E-21	0.284577	hyper	sig	chr15_83284013
chr18	57352507	57352507	+	4.683E-23	1.52259E-21	0.347959	hyper	sig	chr18_57352507
chr1	2.37E+08	237043280	+	4.684E-23	1.52315E-21	0.267313	hyper	sig	chr1_237043280
chr4	84496572	84496572	+	4.686E-23	1.52347E-21	0.24677	hyper	sig	chr4_84496572
chr13	99439751	99439751	+	4.696E-23	1.52672E-21	-0.24239	hypo	sig	chr13_99439751
chr2	394492	394492	+	4.697E-23	1.52714E-21	-0.24949	hypo	sig	chr2_394492
chr19	49050525	49050525	+	4.705E-23	1.52963E-21	-0.25039	hypo	sig	chr19_49050525
chr17	28982495	28982495	+	4.705E-23	1.52965E-21	-0.23089	hypo	sig	chr17_28982495
chr3	1.47E+08	147412027	+	4.707E-23	1.53012E-21	0.305856	hyper	sig	chr3_147412027
chr9	19788373	19788373	+	4.708E-23	1.53043E-21	0.305052	hyper	sig	chr9_19788373
chr14	28758763	28758763	+	4.709E-23	1.53066E-21	0.243073	hyper	sig	chr14_28758763
chr16	51150049	51150049	+	4.731E-23	1.53779E-21	0.306776	hyper	sig	chr16_51150049
chr12	40693006	40693006	+	4.739E-23	1.54031E-21	0.23585	hyper	sig	chr12_40693006
chr7	1.49E+08	149415209	+	4.743E-23	1.54137E-21	0.286169	hyper	sig	chr7_149415209
chr15	67820772	67820772	+	4.747E-23	1.54283E-21	0.335195	hyper	sig	chr15_67820772
chr9	1.31E+08	130962801	+	4.771E-23	1.55057E-21	-0.25565	hypo	sig	chr9_130962801
chr14	26598650	26598650	+	4.78E-23	1.55333E-21	0.261711	hyper	sig	chr14_26598650
chr5	38846373	38846373	+	4.781E-23	1.55339E-21	0.233791	hyper	sig	chr5_38846373
chr5	1144508	1144508	+	4.784E-23	1.55441E-21	-0.26168	hypo	sig	chr5_1144508
chr10	1.32E+08	132203152	+	4.786E-23	1.55495E-21	-0.23209	hypo	sig	chr10_132203152
chr1	2.28E+08	228464516	+	4.786E-23	1.555E-21	0.242053	hyper	sig	chr1_228464516
chr6	10382648	10382648	+	4.795E-23	1.55769E-21	0.277857	hyper	sig	chr6_10382648
chr4	80263800	80263800	+	4.797E-23	1.55842E-21	0.251006	hyper	sig	chr4_80263800
chr4	54232192	54232192	+	4.8E-23	1.55907E-21	0.220797	hyper	sig	chr4_54232192
chr19	56765274	56765274	+	4.8E-23	1.55913E-21	0.31229	hyper	sig	chr19_56765274
chr7	1.51E+08	150946845	+	4.802E-23	1.55971E-21	-0.32671	hypo	sig	chr7_150946845
chr5	1.81E+08	181059696	+	4.805E-23	1.56053E-21	0.207289	hyper	sig	chr5_181059696
chr3	1.93E+08	192727161	+	4.827E-23	1.56766E-21	0.216336	hyper	sig	chr3_192727161
chr4	61200189	61200189	+	4.829E-23	1.56835E-21	0.28261	hyper	sig	chr4_61200189
chr5	1.78E+08	178078450	+	4.83E-23	1.56845E-21	-0.31707	hypo	sig	chr5_178078450
chr18	36188526	36188526	+	4.851E-23	1.57517E-21	-0.20703	hypo	sig	chr18_36188526
chr12	1.24E+08	123909278	+	4.858E-23	1.57759E-21	-0.25856	hypo	sig	chr12_123909278
chr8	1638678	1638678	+	4.859E-23	1.57765E-21	-0.2341	hypo	sig	chr8_1638678

chr19	52453536	52453536	+	4.866E-23	1.57983E-21	0.253832	hyper	sig	chr19_52453536
chr12	1.04E+08	104303708	+	4.871E-23	1.58158E-21	0.216713	hyper	sig	chr12_104303708
chr16	561413	561413	+	4.874E-23	1.58227E-21	-0.29578	hypo	sig	chr16_561413
chr8	1.31E+08	131039791	+	4.876E-23	1.58296E-21	0.27545	hyper	sig	chr8_131039791
chr1	63319882	63319882	+	4.883E-23	1.58526E-21	0.267341	hyper	sig	chr1_63319882
chr2	2.38E+08	238404416	+	4.886E-23	1.58596E-21	0.211928	hyper	sig	chr2_238404416
chr6	1.69E+08	168885929	+	4.89E-23	1.5871E-21	-0.26387	hypo	sig	chr6_168885929
chr22	39374528	39374528	+	4.899E-23	1.59012E-21	-0.28414	hypo	sig	chr22_39374528
chr2	11618591	11618591	+	4.914E-23	1.59483E-21	-0.23333	hypo	sig	chr2_11618591
chr13	41455897	41455897	+	4.915E-23	1.59502E-21	-0.22463	hypo	sig	chr13_41455897
chr8	1463646	1463646	+	4.921E-23	1.59702E-21	-0.20792	hypo	sig	chr8_1463646
chr10	1.31E+08	131310705	+	4.931E-23	1.60021E-21	0.311135	hyper	sig	chr10_131310705
chr12	54034311	54034311	+	4.931E-23	1.60021E-21	0.319501	hyper	sig	chr12_54034311
chr5	1.51E+08	150640726	+	4.931E-23	1.60021E-21	-0.27326	hypo	sig	chr5_150640726
chr2	74648355	74648355	+	4.939E-23	1.60251E-21	0.295271	hyper	sig	chr2_74648355
chr15	25232506	25232506	+	4.939E-23	1.60253E-21	-0.23409	hypo	sig	chr15_25232506
chr16	54940054	54940054	+	4.943E-23	1.60362E-21	0.240475	hyper	sig	chr16_54940054
chr13	1.13E+08	112995378	+	4.943E-23	1.60377E-21	-0.27968	hypo	sig	chr13_112995378
chr16	62035911	62035911	+	4.944E-23	1.60377E-21	0.309097	hyper	sig	chr16_62035911
chr7	1.57E+08	157125012	+	4.945E-23	1.60411E-21	-0.24633	hypo	sig	chr7_157125012
chr4	55157739	55157739	+	4.981E-23	1.6157E-21	0.316025	hyper	sig	chr4_55157739
chr6	1.05E+08	104953103	+	4.982E-23	1.61589E-21	0.278746	hyper	sig	chr6_104953103
chr22	29719377	29719377	+	4.986E-23	1.61697E-21	-0.25076	hypo	sig	chr22_29719377
chr10	75408385	75408385	+	4.99E-23	1.61822E-21	0.315579	hyper	sig	chr10_75408385
chr4	13534982	13534982	+	4.993E-23	1.61914E-21	0.225945	hyper	sig	chr4_13534982
chr17	82358984	82358984	+	4.999E-23	1.62119E-21	-0.23463	hypo	sig	chr17_82358984
chr14	47675805	47675805	+	5.004E-23	1.62259E-21	0.258873	hyper	sig	chr14_47675805
chr7	1.43E+08	142796620	+	5.013E-23	1.62554E-21	0.332355	hyper	sig	chr7_142796620
chr6	77467068	77467068	+	5.014E-23	1.62564E-21	0.278105	hyper	sig	chr6_77467068
chr12	24903271	24903271	+	5.025E-23	1.62924E-21	0.290851	hyper	sig	chr12_24903271
chr10	1.19E+08	118595332	+	5.029E-23	1.63043E-21	0.312363	hyper	sig	chr10_118595332
chr5	1.46E+08	146379214	+	5.042E-23	1.63439E-21	0.242151	hyper	sig	chr5_146379214
chr7	23247776	23247776	+	5.044E-23	1.63505E-21	0.209174	hyper	sig	chr7_23247776
chr11	66421230	66421230	+	5.058E-23	1.63952E-21	0.30275	hyper	sig	chr11_66421230
chr11	2168881	2168881	+	5.059E-23	1.63958E-21	-0.20614	hypo	sig	chr11_2168881
chr1	1.13E+08	112854865	+	5.064E-23	1.64132E-21	0.295089	hyper	sig	chr1_112854865
chr4	1.82E+08	182141594	+	5.079E-23	1.64594E-21	0.215822	hyper	sig	chr4_182141594
chr10	1.3E+08	129965419	+	5.085E-23	1.64793E-21	0.253677	hyper	sig	chr10_129965419
chr12	40693001	40693001	+	5.095E-23	1.65129E-21	0.267693	hyper	sig	chr12_40693001
chr21	45286896	45286896	+	5.097E-23	1.65184E-21	0.236482	hyper	sig	chr21_45286896
chr8	1.04E+08	104467073	+	5.099E-23	1.65239E-21	0.204722	hyper	sig	chr8_104467073
chr16	89202523	89202523	+	5.102E-23	1.65318E-21	0.228156	hyper	sig	chr16_89202523
chr19	29526613	29526613	+	5.108E-23	1.6551E-21	0.288026	hyper	sig	chr19_29526613
chr20	24469707	24469707	+	5.112E-23	1.65639E-21	0.200245	hyper	sig	chr20_24469707
chr14	90617151	90617151	+	5.119E-23	1.65845E-21	-0.30985	hypo	sig	chr14_90617151
chr12	1.15E+08	114735967	+	5.122E-23	1.65923E-21	0.319052	hyper	sig	chr12_114735967
chr11	32434189	32434189	+	5.124E-23	1.66008E-21	0.222138	hyper	sig	chr11_32434189
chr1	1.44E+08	143652902	+	5.129E-23	1.66137E-21	0.221768	hyper	sig	chr1_143652902
chr4	1.11E+08	110615611	+	5.13E-23	1.6618E-21	0.27545	hyper	sig	chr4_110615611
chr1	3128322	3128322	+	5.132E-23	1.66233E-21	-0.25757	hypo	sig	chr1_3128322
chr5	1446330	1446330	+	5.132E-23	1.66238E-21	0.337501	hyper	sig	chr5_1446330
chr15	88255351	88255351	+	5.135E-23	1.66315E-21	0.202715	hyper	sig	chr15_88255351
chr5	1.73E+08	173234072	+	5.149E-23	1.66764E-21	0.269304	hyper	sig	chr5_173234072
chr5	1.73E+08	173244796	+	5.154E-23	1.66916E-21	0.324748	hyper	sig	chr5_173244796
chr8	1.43E+08	143419708	+	5.158E-23	1.67025E-21	-0.23097	hypo	sig	chr8_143419708
chr12	43552089	43552089	+	5.159E-23	1.67062E-21	0.277072	hyper	sig	chr12_43552089

chr6	1.46E+08	146029282	+	5.165E-23	1.67232E-21	0.253638	hyper	sig	chr6_146029282
chr2	2.19E+08	218962166	+	5.18E-23	1.67718E-21	0.34431	hyper	sig	chr2_218962166
chr3	1.29E+08	128507806	+	5.181E-23	1.67737E-21	-0.24865	hypo	sig	chr3_128507806
chr20	62711916	62711916	+	5.196E-23	1.68238E-21	-0.25175	hypo	sig	chr20_62711916
chr20	24471254	24471254	+	5.205E-23	1.6852E-21	0.222763	hyper	sig	chr20_24471254
chr8	84182725	84182725	+	5.207E-23	1.68554E-21	0.236337	hyper	sig	chr8_84182725
chr16	1443378	1443378	+	5.21E-23	1.68647E-21	-0.23406	hypo	sig	chr16_1443378
chr17	78883989	78883989	+	5.213E-23	1.68762E-21	-0.24499	hypo	sig	chr17_78883989
chr12	53955433	53955433	+	5.222E-23	1.69031E-21	0.266031	hyper	sig	chr12_53955433
chr13	1.14E+08	113650489	+	5.227E-23	1.69161E-21	-0.21066	hypo	sig	chr13_113650489
chr17	46854443	46854443	+	5.232E-23	1.69333E-21	-0.26705	hypo	sig	chr17_46854443
chr5	84384201	84384201	+	5.232E-23	1.69339E-21	0.297471	hyper	sig	chr5_84384201
chr4	5890614	5890614	+	5.27E-23	1.70546E-21	0.308884	hyper	sig	chr4_5890614
chr20	62465804	62465804	+	5.271E-23	1.70547E-21	-0.24939	hypo	sig	chr20_62465804
chr11	30017511	30017511	+	5.278E-23	1.70762E-21	0.277513	hyper	sig	chr11_30017511
chr3	1.33E+08	133038119	+	5.278E-23	1.70762E-21	0.270213	hyper	sig	chr3_133038119
chr17	34156893	34156893	+	5.284E-23	1.70975E-21	0.258882	hyper	sig	chr17_34156893
chr2	63056265	63056265	+	5.292E-23	1.71211E-21	0.289581	hyper	sig	chr2_63056265
chr2	1.72E+08	172196987	+	5.297E-23	1.71364E-21	-0.2943	hypo	sig	chr2_172196987
chr21	44425644	44425644	+	5.299E-23	1.71431E-21	-0.27559	hypo	sig	chr21_44425644
chr6	50850547	50850547	+	5.301E-23	1.71491E-21	0.22567	hyper	sig	chr6_50850547
chr7	19119095	19119095	+	5.306E-23	1.71642E-21	0.23125	hyper	sig	chr7_19119095
chr4	1.64E+08	164384156	+	5.343E-23	1.72833E-21	0.259191	hyper	sig	chr4_164384156
chr6	1.69E+08	168885936	+	5.355E-23	1.73183E-21	-0.27097	hypo	sig	chr6_168885936
chr4	55157728	55157728	+	5.355E-23	1.7319E-21	0.318088	hyper	sig	chr4_55157728
chr1	3246908	3246908	+	5.357E-23	1.7326E-21	-0.21435	hypo	sig	chr1_3246908
chr10	1.01E+08	101224764	+	5.372E-23	1.73705E-21	0.276029	hyper	sig	chr10_101224764
chr11	31823982	31823982	+	5.375E-23	1.73803E-21	0.303348	hyper	sig	chr11_31823982
chr7	1.28E+08	128201554	+	5.386E-23	1.74153E-21	0.273583	hyper	sig	chr7_128201554
chr4	3370149	3370149	+	5.399E-23	1.74583E-21	0.231084	hyper	sig	chr4_3370149
chr10	99233905	99233905	+	5.401E-23	1.7464E-21	0.213502	hyper	sig	chr10_99233905
chr7	1.56E+08	156104711	+	5.411E-23	1.74942E-21	-0.25542	hypo	sig	chr7_156104711
chr19	12194761	12194761	+	5.412E-23	1.74975E-21	0.277131	hyper	sig	chr19_12194761
chr18	904850	904850	+	5.415E-23	1.75067E-21	0.347963	hyper	sig	chr18_904850
chr11	8168733	8168733	+	5.416E-23	1.75075E-21	0.306888	hyper	sig	chr11_8168733
chr10	14602206	14602206	+	5.425E-23	1.75367E-21	-0.24804	hypo	sig	chr10_14602206
chr3	1.35E+08	134651227	+	5.43E-23	1.75509E-21	0.203423	hyper	sig	chr3_134651227
chr8	1.43E+08	143285222	+	5.451E-23	1.76186E-21	-0.25246	hypo	sig	chr8_143285222
chr1	2428622	2428622	+	5.473E-23	1.76869E-21	-0.20199	hypo	sig	chr1_2428622
chr15	90004796	90004796	+	5.472E-23	1.76869E-21	-0.27282	hypo	sig	chr15_90004796
chr1	1.53E+08	152757950	+	5.475E-23	1.76955E-21	-0.21534	hypo	sig	chr1_152757950
chr12	1.32E+08	132353136	+	5.493E-23	1.77525E-21	-0.23171	hypo	sig	chr12_132353136
chr5	44389707	44389707	+	5.495E-23	1.77566E-21	0.241597	hyper	sig	chr5_44389707
chr9	1.36E+08	136422149	+	5.509E-23	1.78023E-21	-0.22373	hypo	sig	chr9_136422149
chr7	85186189	85186189	+	5.526E-23	1.78566E-21	0.287219	hyper	sig	chr7_85186189
chr16	88691328	88691328	+	5.535E-23	1.78831E-21	-0.23263	hypo	sig	chr16_88691328
chr4	72032076	72032076	+	5.542E-23	1.79059E-21	0.281721	hyper	sig	chr4_72032076
chr12	1.31E+08	130611483	+	5.561E-23	1.79645E-21	-0.26376	hypo	sig	chr12_130611483
chr7	1.43E+08	142796603	+	5.566E-23	1.79801E-21	0.31265	hyper	sig	chr7_142796603
chr7	4810629	4810629	+	5.57E-23	1.79925E-21	-0.22075	hypo	sig	chr7_4810629
chr14	1.01E+08	101065769	+	5.571E-23	1.79959E-21	-0.21628	hypo	sig	chr14_101065769
chr3	1.35E+08	134650659	+	5.586E-23	1.80414E-21	0.242165	hyper	sig	chr3_134650659
chr5	1.75E+08	175443969	+	5.592E-23	1.80588E-21	0.208525	hyper	sig	chr5_175443969
chr4	3835492	3835492	+	5.614E-23	1.81305E-21	-0.26167	hypo	sig	chr4_3835492
chr5	1.41E+08	140801281	+	5.614E-23	1.8131E-21	0.213952	hyper	sig	chr5_140801281
chr11	20596428	20596428	+	5.615E-23	1.81324E-21	0.260828	hyper	sig	chr11_20596428

chr14	60506766	60506766	+	5.619E-23	1.81438E-21	0.267276	hyper	sig	chr14_60506766
chr2	66582150	66582150	+	5.625E-23	1.81625E-21	0.231445	hyper	sig	chr2_66582150
chr3	1.28E+08	128492697	+	5.63E-23	1.81779E-21	0.242576	hyper	sig	chr3_128492697
chr18	57441583	57441583	+	5.642E-23	1.82151E-21	0.279332	hyper	sig	chr18_57441583
chr11	1086350	1086350	+	5.662E-23	1.82775E-21	-0.26424	hypo	sig	chr11_1086350
chr7	56229941	56229941	+	5.664E-23	1.82855E-21	0.249327	hyper	sig	chr7_56229941
chr5	1.59E+08	159096929	+	5.676E-23	1.8323E-21	0.338625	hyper	sig	chr5_159096929
chr19	22422324	22422324	+	5.677E-23	1.8323E-21	0.235663	hyper	sig	chr19_22422324
chr5	1.79E+08	179210008	+	5.683E-23	1.83443E-21	-0.32131	hypo	sig	chr5_179210008
chr2	55924068	55924068	+	5.688E-23	1.83591E-21	0.22219	hyper	sig	chr2_55924068
chr13	1.1E+08	110309505	+	5.689E-23	1.83625E-21	0.233356	hyper	sig	chr13_110309505
chr1	3206730	3206730	+	5.73E-23	1.84929E-21	-0.24374	hypo	sig	chr1_3206730
chr13	57629999	57629999	+	5.753E-23	1.85657E-21	0.332707	hyper	sig	chr13_57629999
chr1	3651165	3651165	+	5.76E-23	1.85875E-21	0.240389	hyper	sig	chr1_3651165
chr11	2162478	2162478	+	5.767E-23	1.86092E-21	-0.23964	hypo	sig	chr11_2162478
chr11	44859359	44859359	+	5.769E-23	1.86138E-21	-0.29773	hypo	sig	chr11_44859359
chr17	2058027	2058027	+	5.775E-23	1.86317E-21	0.259571	hyper	sig	chr17_2058027
chr12	1919189	1919189	+	5.786E-23	1.86683E-21	-0.26234	hypo	sig	chr12_1919189
chr6	1.46E+08	146027765	+	5.791E-23	1.86816E-21	0.258035	hyper	sig	chr6_146027765
chr12	1.07E+08	106585942	+	5.809E-23	1.87409E-21	0.202852	hyper	sig	chr12_106585942
chr1	1.66E+08	166155499	+	5.815E-23	1.8759E-21	-0.22995	hypo	sig	chr1_166155499
chr16	11676272	11676272	+	5.831E-23	1.88071E-21	-0.35364	hypo	sig	chr16_11676272
chr3	62377142	62377142	+	5.843E-23	1.88428E-21	0.264294	hyper	sig	chr3_62377142
chr20	61293368	61293368	+	5.861E-23	1.89018E-21	-0.23243	hypo	sig	chr20_61293368
chr1	6466343	6466343	+	5.88E-23	1.89619E-21	0.215986	hyper	sig	chr1_6466343
chr20	21396396	21396396	+	5.892E-23	1.90014E-21	0.235948	hyper	sig	chr20_21396396
chr10	1.33E+08	133230099	+	5.899E-23	1.90231E-21	0.233915	hyper	sig	chr10_133230099
chr1	1.48E+08	148318333	+	5.901E-23	1.90267E-21	0.310549	hyper	sig	chr1_148318333
chr15	37098116	37098116	+	5.912E-23	1.90617E-21	0.307922	hyper	sig	chr15_37098116
chr8	10425682	10425682	+	5.932E-23	1.91273E-21	-0.2039	hypo	sig	chr8_10425682
chr5	1.78E+08	178422196	+	5.957E-23	1.92058E-21	-0.2223	hypo	sig	chr5_178422196
chr3	1.16E+08	115790892	+	5.957E-23	1.92064E-21	-0.29987	hypo	sig	chr3_115790892
chr3	26622888	26622888	+	5.958E-23	1.92068E-21	0.240295	hyper	sig	chr3_26622888
chr4	8273372	8273372	+	5.959E-23	1.92092E-21	-0.25951	hypo	sig	chr4_8273372
chr18	79430048	79430048	+	5.962E-23	1.92174E-21	-0.25345	hypo	sig	chr18_79430048
chr5	1.78E+08	177984709	+	5.962E-23	1.92174E-21	0.274524	hyper	sig	chr5_177984709
chr15	36880101	36880101	+	5.989E-23	1.93039E-21	0.299354	hyper	sig	chr15_36880101
chr3	1.98E+08	198081762	+	5.991E-23	1.93101E-21	0.291706	hyper	sig	chr3_198081762
chr11	70826878	70826878	+	6.009E-23	1.93652E-21	0.213454	hyper	sig	chr11_70826878
chr19	36421862	36421862	+	6.02E-23	1.94005E-21	0.267931	hyper	sig	chr19_36421862
chr6	8108436	8108436	+	6.024E-23	1.94138E-21	-0.24678	hypo	sig	chr6_8108436
chr12	1.27E+08	126727939	+	6.027E-23	1.94223E-21	0.218879	hyper	sig	chr12_126727939
chr12	5043667	5043667	+	6.028E-23	1.94233E-21	0.27211	hyper	sig	chr12_5043667
chr3	1.54E+08	154428682	+	6.039E-23	1.94607E-21	0.297984	hyper	sig	chr3_154428682
chr22	50737979	50737979	+	6.041E-23	1.94647E-21	-0.26128	hypo	sig	chr22_50737979
chr18	14145867	14145867	+	6.042E-23	1.94666E-21	-0.2869	hypo	sig	chr18_14145867
chr1	1.45E+08	144552116	+	6.043E-23	1.94694E-21	0.224373	hyper	sig	chr1_144552116
chr4	8587087	8587087	+	6.047E-23	1.94821E-21	-0.20881	hypo	sig	chr4_8587087
chr12	52601476	52601476	+	6.052E-23	1.94978E-21	0.238958	hyper	sig	chr12_52601476
chr20	63178525	63178525	+	6.058E-23	1.95152E-21	0.215737	hyper	sig	chr20_63178525
chr12	1.31E+08	130954006	+	6.061E-23	1.95227E-21	0.278018	hyper	sig	chr12_130954006
chr7	3181543	3181543	+	6.062E-23	1.95261E-21	-0.22818	hypo	sig	chr7_3181543
chr17	8880591	8880591	+	6.073E-23	1.95589E-21	-0.2577	hypo	sig	chr17_8880591
chr13	78660116	78660116	+	6.078E-23	1.95773E-21	0.274253	hyper	sig	chr13_78660116
chr1	15832989	15832989	+	6.086E-23	1.96018E-21	-0.29158	hypo	sig	chr1_15832989
chr19	46040982	46040982	+	6.093E-23	1.96228E-21	-0.31083	hypo	sig	chr19_46040982

chr5	3606940	3606940	+	6.093E-23	1.96228E-21	0.236518	hyper	sig	chr5_3606940
chr2	1.72E+08	172088220	+	6.099E-23	1.96386E-21	0.204233	hyper	sig	chr2_172088220
chr13	25469034	25469034	+	6.109E-23	1.96704E-21	0.201522	hyper	sig	chr13_25469034
chr14	99652378	99652378	+	6.118E-23	1.97006E-21	-0.22227	hypo	sig	chr14_99652378
chr8	66963085	66963085	+	6.128E-23	1.97284E-21	0.206707	hyper	sig	chr8_66963085
chr12	95858008	95858008	+	6.131E-23	1.97394E-21	0.29862	hyper	sig	chr12_95858008
chr1	90729782	90729782	+	6.187E-23	1.99166E-21	0.264319	hyper	sig	chr1_90729782
chr22	39349510	39349510	+	6.191E-23	1.9928E-21	0.314943	hyper	sig	chr22_39349510
chr20	22576946	22576946	+	6.198E-23	1.99488E-21	-0.29346	hypo	sig	chr20_22576946
chr2	1.3E+08	129933030	+	6.201E-23	1.99575E-21	-0.30725	hypo	sig	chr2_129933030
chr16	2183972	2183972	+	6.211E-23	1.99882E-21	-0.21451	hypo	sig	chr16_2183972
chr2	2.32E+08	231927106	+	6.216E-23	2.00033E-21	0.211799	hyper	sig	chr2_231927106
chr2	2.07E+08	206642331	+	6.236E-23	2.00671E-21	0.272008	hyper	sig	chr2_206642331
chr5	1.73E+08	173246206	+	6.237E-23	2.00709E-21	0.234544	hyper	sig	chr5_173246206
chr17	57045614	57045614	+	6.248E-23	2.01057E-21	0.316983	hyper	sig	chr17_57045614
chr19	1993051	1993051	+	6.261E-23	2.01439E-21	-0.25257	hypo	sig	chr19_1993051
chr19	57888957	57888957	+	6.267E-23	2.01629E-21	0.254232	hyper	sig	chr19_57888957
chr8	54459962	54459962	+	6.306E-23	2.02871E-21	0.267325	hyper	sig	chr8_54459962
chr5	41510020	41510020	+	6.316E-23	2.03182E-21	0.265709	hyper	sig	chr5_41510020
chr19	28727029	28727029	+	6.331E-23	2.03649E-21	0.274503	hyper	sig	chr19_28727029
chr7	19118442	19118442	+	6.358E-23	2.04497E-21	0.217914	hyper	sig	chr7_19118442
chr4	1.39E+08	139279618	+	6.364E-23	2.0469E-21	0.235913	hyper	sig	chr4_139279618
chr5	50969887	50969887	+	6.371E-23	2.04887E-21	0.254358	hyper	sig	chr5_50969887
chr13	26049545	26049545	+	6.378E-23	2.05103E-21	0.279281	hyper	sig	chr13_26049545
chr5	1.41E+08	141410085	+	6.385E-23	2.05304E-21	0.241557	hyper	sig	chr5_141410085
chr11	49561430	49561430	+	6.396E-23	2.05657E-21	0.317574	hyper	sig	chr11_49561430
chr9	970542	970542	+	6.4E-23	2.05772E-21	0.267143	hyper	sig	chr9_970542
chr2	2.37E+08	236568045	+	6.407E-23	2.06004E-21	0.231806	hyper	sig	chr2_236568045
chr5	1.71E+08	171309247	+	6.422E-23	2.06474E-21	0.228306	hyper	sig	chr5_171309247
chr6	28475000	28475000	+	6.425E-23	2.06581E-21	0.227221	hyper	sig	chr6_28475000
chr7	1761892	1761892	+	6.429E-23	2.0669E-21	-0.29862	hypo	sig	chr7_1761892
chr7	1.54E+08	153886467	+	6.431E-23	2.06737E-21	0.326045	hyper	sig	chr7_153886467
chr1	98053823	98053823	+	6.439E-23	2.06997E-21	0.250622	hyper	sig	chr1_98053823
chr6	28865604	28865604	+	6.44E-23	2.07029E-21	-0.35157	hypo	sig	chr6_28865604
chr19	40568100	40568100	+	6.443E-23	2.07107E-21	0.211535	hyper	sig	chr19_40568100
chr20	56625842	56625842	+	6.446E-23	2.07173E-21	0.261392	hyper	sig	chr20_56625842
chr3	1.49E+08	148946909	+	6.452E-23	2.07378E-21	-0.20442	hypo	sig	chr3_148946909
chr7	923705	923705	+	6.463E-23	2.0769E-21	-0.20366	hypo	sig	chr7_923705
chr13	1.13E+08	112892059	+	6.465E-23	2.07754E-21	-0.24052	hypo	sig	chr13_112892059
chr19	35558511	35558511	+	6.494E-23	2.0868E-21	0.248742	hyper	sig	chr19_35558511
chr7	19119024	19119024	+	6.506E-23	2.09052E-21	0.2513	hyper	sig	chr7_19119024
chr3	1.33E+08	133038153	+	6.506E-23	2.09057E-21	0.264177	hyper	sig	chr3_133038153
chr6	1.08E+08	108167435	+	6.508E-23	2.0909E-21	0.245836	hyper	sig	chr6_108167435
chr2	1.72E+08	172196974	+	6.51E-23	2.09168E-21	-0.30376	hypo	sig	chr2_172196974
chr21	33024732	33024732	+	6.547E-23	2.10329E-21	0.238384	hyper	sig	chr21_33024732
chr17	34157086	34157086	+	6.555E-23	2.10556E-21	0.266658	hyper	sig	chr17_34157086
chr13	78596855	78596855	+	6.563E-23	2.10819E-21	0.235933	hyper	sig	chr13_78596855
chr10	22345109	22345109	+	6.573E-23	2.11122E-21	0.20102	hyper	sig	chr10_22345109
chr7	1.57E+08	157499122	+	6.581E-23	2.11379E-21	-0.29648	hypo	sig	chr7_157499122
chr9	1.34E+08	133609608	+	6.591E-23	2.11695E-21	0.20255	hyper	sig	chr9_133609608
chr2	1.54E+08	153871444	+	6.604E-23	2.12112E-21	0.314537	hyper	sig	chr2_153871444
chr7	37449375	37449375	+	6.609E-23	2.1224E-21	0.204902	hyper	sig	chr7_37449375
chr17	78499013	78499013	+	6.611E-23	2.12308E-21	-0.26443	hypo	sig	chr17_78499013
chr12	62191414	62191414	+	6.617E-23	2.12485E-21	0.277811	hyper	sig	chr12_62191414
chr2	1.31E+08	131040157	+	6.617E-23	2.12502E-21	0.254871	hyper	sig	chr2_131040157
chr9	1.37E+08	136738451	+	6.63E-23	2.12889E-21	-0.26398	hypo	sig	chr9_136738451

chr6	99606069	99606069	+	6.63E-23	2.12897E-21	0.235267	hyper	sig	chr6_99606069
chr12	1.07E+08	106585271	+	6.642E-23	2.13258E-21	0.238674	hyper	sig	chr12_106585271
chr1	2.28E+08	228416006	+	6.65E-23	2.13499E-21	0.254895	hyper	sig	chr1_228416006
chr17	203085	203085	+	6.651E-23	2.13529E-21	-0.23477	hypo	sig	chr17_203085
chr9	970297	970297	+	6.658E-23	2.1373E-21	0.238167	hyper	sig	chr9_970297
chr16	88787437	88787437	+	6.663E-23	2.13887E-21	-0.25975	hypo	sig	chr16_88787437
chr7	923873	923873	+	6.689E-23	2.14709E-21	-0.27449	hypo	sig	chr7_923873
chr11	1652415	1652415	+	6.689E-23	2.14728E-21	-0.25854	hypo	sig	chr11_1652415
chr19	16283830	16283830	+	6.714E-23	2.15492E-21	0.24657	hyper	sig	chr19_16283830
chr16	85208416	85208416	+	6.719E-23	2.15639E-21	-0.27992	hypo	sig	chr16_85208416
chr16	11676361	11676361	+	6.721E-23	2.15683E-21	-0.24862	hypo	sig	chr16_11676361
chr2	1.82E+08	181679607	+	6.726E-23	2.1584E-21	0.208651	hyper	sig	chr2_181679607
chr4	4872278	4872278	+	6.726E-23	2.1584E-21	0.249303	hyper	sig	chr4_4872278
chr5	1.73E+08	173245669	+	6.736E-23	2.16145E-21	0.243943	hyper	sig	chr5_173245669
chr21	26845428	26845428	+	6.738E-23	2.162E-21	0.201548	hyper	sig	chr21_26845428
chr1	21608272	21608272	+	6.776E-23	2.17408E-21	-0.32838	hypo	sig	chr1_21608272
chr8	1.4E+08	140238547	+	6.789E-23	2.17819E-21	-0.2387	hypo	sig	chr8_140238547
chr20	9507074	9507074	+	6.796E-23	2.18051E-21	0.243884	hyper	sig	chr20_9507074
chr16	57764361	57764361	+	6.806E-23	2.18337E-21	-0.25738	hypo	sig	chr16_57764361
chr20	62465796	62465796	+	6.811E-23	2.18495E-21	-0.21512	hypo	sig	chr20_62465796
chr18	13868997	13868997	+	6.824E-23	2.18895E-21	0.214741	hyper	sig	chr18_13868997
chr12	1.32E+08	132403718	+	6.832E-23	2.19137E-21	-0.23354	hypo	sig	chr12_132403718
chr18	904541	904541	+	6.841E-23	2.1943E-21	0.31752	hyper	sig	chr18_904541
chr2	2.13E+08	212536607	+	6.876E-23	2.20514E-21	0.278107	hyper	sig	chr2_212536607
chr8	54454268	54454268	+	6.893E-23	2.21044E-21	0.264605	hyper	sig	chr8_54454268
chr19	58033771	58033771	+	6.897E-23	2.21165E-21	0.293372	hyper	sig	chr19_58033771
chr8	55939708	55939708	+	6.903E-23	2.21342E-21	0.256141	hyper	sig	chr8_55939708
chr1	2.08E+08	207669878	+	6.903E-23	2.21351E-21	0.208893	hyper	sig	chr1_207669878
chr8	64576123	64576123	+	6.914E-23	2.21686E-21	0.278054	hyper	sig	chr8_64576123
chr19	55547344	55547344	+	6.914E-23	2.21691E-21	-0.28118	hypo	sig	chr19_55547344
chr20	38673993	38673993	+	6.936E-23	2.22383E-21	0.203432	hyper	sig	chr20_38673993
chr5	1107040	1107040	+	6.948E-23	2.22755E-21	-0.25515	hypo	sig	chr5_1107040
chr19	20661392	20661392	+	6.949E-23	2.22771E-21	0.285243	hyper	sig	chr19_20661392
chr5	1.32E+08	132271404	+	6.96E-23	2.23102E-21	-0.22462	hypo	sig	chr5_132271404
chr11	865896	865896	+	6.968E-23	2.23348E-21	-0.24987	hypo	sig	chr11_865896
chr6	30172126	30172126	+	6.971E-23	2.23433E-21	0.283224	hyper	sig	chr6_30172126
chr11	32428567	32428567	+	6.976E-23	2.23582E-21	0.254919	hyper	sig	chr11_32428567
chr10	1.16E+08	116273421	+	6.98E-23	2.2371E-21	0.2194	hyper	sig	chr10_116273421
chr3	1.47E+08	147394550	+	6.986E-23	2.23883E-21	0.227795	hyper	sig	chr3_147394550
chr19	58581371	58581371	+	6.989E-23	2.23978E-21	0.242971	hyper	sig	chr19_58581371
chr16	77788928	77788928	+	7.013E-23	2.24755E-21	0.365803	hyper	sig	chr16_77788928
chr13	83906638	83906638	+	7.015E-23	2.24806E-21	-0.24104	hypo	sig	chr13_83906638
chr16	89202263	89202263	+	7.024E-23	2.25088E-21	0.220923	hyper	sig	chr16_89202263
chr14	1.06E+08	105889893	+	7.034E-23	2.25399E-21	-0.23836	hypo	sig	chr14_105889893
chr7	1.58E+08	157668685	+	7.043E-23	2.25668E-21	0.208181	hyper	sig	chr7_157668685
chr3	44021825	44021825	+	7.047E-23	2.25773E-21	0.234114	hyper	sig	chr3_44021825
chr14	93788301	93788301	+	7.047E-23	2.25775E-21	0.202527	hyper	sig	chr14_93788301
chr12	1.27E+08	127285118	+	7.057E-23	2.26078E-21	-0.23685	hypo	sig	chr12_127285118
chr21	46431881	46431881	+	7.061E-23	2.26211E-21	-0.20963	hypo	sig	chr21_46431881
chr1	1.19E+08	118985541	+	7.064E-23	2.26308E-21	0.255578	hyper	sig	chr1_118985541
chr11	27720591	27720591	+	7.074E-23	2.26588E-21	0.224705	hyper	sig	chr11_27720591
chr6	1594231	1594231	+	7.074E-23	2.26588E-21	-0.2505	hypo	sig	chr6_1594231
chr1	1069829	1069829	+	7.075E-23	2.2661E-21	-0.20849	hypo	sig	chr1_1069829
chr1	1.19E+08	118986810	+	7.079E-23	2.26745E-21	0.280718	hyper	sig	chr1_118986810
chr1	2.21E+08	220884374	+	7.082E-23	2.26833E-21	0.206274	hyper	sig	chr1_220884374
chr13	1.12E+08	112074096	+	7.098E-23	2.27317E-21	0.221515	hyper	sig	chr13_112074096

chr6	16320299	16320299	+	7.104E-23	2.27526E-21	-0.28998	hypo	sig	chr6_16320299
chr8	13566571	13566571	+	7.11E-23	2.277E-21	0.240818	hyper	sig	chr8_13566571
chr1	1.19E+08	119008213	+	7.115E-23	2.27844E-21	0.208167	hyper	sig	chr1_119008213
chr22	48684496	48684496	+	7.127E-23	2.28203E-21	-0.2336	hypo	sig	chr22_48684496
chr16	825584	825584	+	7.169E-23	2.29542E-21	-0.21324	hypo	sig	chr16_825584
chr3	1.47E+08	147396661	+	7.177E-23	2.2977E-21	0.219635	hyper	sig	chr3_147396661
chr16	86495106	86495106	+	7.179E-23	2.2984E-21	0.233769	hyper	sig	chr16_86495106
chr5	73381473	73381473	+	7.189E-23	2.30148E-21	0.260561	hyper	sig	chr5_73381473
chr13	1.14E+08	114097437	+	7.2E-23	2.30475E-21	-0.22618	hypo	sig	chr13_114097437
chr3	1.34E+08	133896816	+	7.203E-23	2.30569E-21	-0.24486	hypo	sig	chr3_133896816
chr8	68332242	68332242	+	7.204E-23	2.30585E-21	0.284058	hyper	sig	chr8_68332242
chr22	45889849	45889849	+	7.231E-23	2.31429E-21	0.233904	hyper	sig	chr22_45889849
chr2	1.72E+08	172080575	+	7.232E-23	2.31433E-21	0.230341	hyper	sig	chr2_172080575
chr22	24188398	24188398	+	7.235E-23	2.31531E-21	-0.2418	hypo	sig	chr22_24188398
chr4	1.47E+08	146637315	+	7.247E-23	2.31905E-21	0.317702	hyper	sig	chr4_146637315
chr18	50298745	50298745	+	7.251E-23	2.32022E-21	0.247501	hyper	sig	chr18_50298745
chr19	9932665	9932665	+	7.27E-23	2.32609E-21	-0.42212	hypo	sig	chr19_9932665
chr11	1.16E+08	115711098	+	7.273E-23	2.32694E-21	-0.21368	hypo	sig	chr11_115711098
chr16	89247971	89247971	+	7.306E-23	2.33756E-21	0.334365	hyper	sig	chr16_89247971
chr5	77638974	77638974	+	7.308E-23	2.33802E-21	0.268314	hyper	sig	chr5_77638974
chr12	80714175	80714175	+	7.312E-23	2.33922E-21	0.277639	hyper	sig	chr12_80714175
chr17	42685093	42685093	+	7.321E-23	2.34183E-21	0.304095	hyper	sig	chr17_42685093
chr14	36655852	36655852	+	7.354E-23	2.35246E-21	0.244753	hyper	sig	chr14_36655852
chr11	1.34E+08	134040834	+	7.357E-23	2.35308E-21	-0.22963	hypo	sig	chr11_134040834
chr9	1.31E+08	131264467	+	7.357E-23	2.35308E-21	-0.31996	hypo	sig	chr9_131264467
chr8	64374064	64374064	+	7.366E-23	2.35586E-21	0.373368	hyper	sig	chr8_64374064
chr13	40173091	40173091	+	7.374E-23	2.35811E-21	-0.25453	hypo	sig	chr13_40173091
chr15	65396874	65396874	+	7.386E-23	2.36186E-21	0.268238	hyper	sig	chr15_65396874
chr7	5303539	5303539	+	7.398E-23	2.36566E-21	-0.25831	hypo	sig	chr7_5303539
chr2	38074630	38074630	+	7.399E-23	2.36583E-21	0.287962	hyper	sig	chr2_38074630
chr2	950300	950300	+	7.412E-23	2.36984E-21	0.308757	hyper	sig	chr2_950300
chr8	56445755	56445755	+	7.421E-23	2.37278E-21	0.234868	hyper	sig	chr8_56445755
chr11	15938091	15938091	+	7.426E-23	2.37424E-21	-0.24565	hypo	sig	chr11_15938091
chr2	2.33E+08	232636962	+	7.426E-23	2.37424E-21	-0.22491	hypo	sig	chr2_232636962
chr11	47374393	47374393	+	7.428E-23	2.37459E-21	-0.26443	hypo	sig	chr11_47374393
chr21	44611790	44611790	+	7.428E-23	2.37459E-21	-0.23087	hypo	sig	chr21_44611790
chr5	1.59E+08	159327676	+	7.443E-23	2.37926E-21	-0.21956	hypo	sig	chr5_159327676
chr20	24471252	24471252	+	7.45E-23	2.38145E-21	0.209303	hyper	sig	chr20_24471252
chr17	82904330	82904330	+	7.457E-23	2.38342E-21	-0.20427	hypo	sig	chr17_82904330
chr5	1.56E+08	155728894	+	7.458E-23	2.38391E-21	0.240413	hyper	sig	chr5_155728894
chr20	21103769	21103769	+	7.472E-23	2.38808E-21	0.261487	hyper	sig	chr20_21103769
chr19	57947488	57947488	+	7.478E-23	2.39009E-21	0.216016	hyper	sig	chr19_57947488
chr1	1.62E+08	161621372	+	7.489E-23	2.39346E-21	0.248333	hyper	sig	chr1_161621372
chr18	905179	905179	+	7.493E-23	2.39457E-21	0.310209	hyper	sig	chr18_905179
chr6	32052712	32052712	+	7.494E-23	2.39472E-21	-0.20942	hypo	sig	chr6_32052712
chr7	97018919	97018919	+	7.51E-23	2.39984E-21	0.249859	hyper	sig	chr7_97018919
chr13	99657958	99657958	+	7.51E-23	2.39988E-21	0.224036	hyper	sig	chr13_99657958
chr14	97219486	97219486	+	7.516E-23	2.40164E-21	0.265669	hyper	sig	chr14_97219486
chr17	81301509	81301509	+	7.528E-23	2.40541E-21	-0.24925	hypo	sig	chr17_81301509
chr6	50851149	50851149	+	7.539E-23	2.4087E-21	0.208944	hyper	sig	chr6_50851149
chr15	59993630	59993630	+	7.542E-23	2.40958E-21	0.255646	hyper	sig	chr15_59993630
chr1	1007278	1007278	+	7.548E-23	2.41137E-21	-0.22178	hypo	sig	chr1_1007278
chr1	1.77E+08	177171479	+	7.572E-23	2.41877E-21	0.241106	hyper	sig	chr1_177171479
chr22	38865717	38865717	+	7.585E-23	2.42296E-21	-0.23523	hypo	sig	chr22_38865717
chr6	29828194	29828194	+	7.587E-23	2.42325E-21	0.215106	hyper	sig	chr6_29828194
chr4	1.39E+08	139279612	+	7.594E-23	2.42545E-21	0.213989	hyper	sig	chr4_139279612

chr21	29940325	29940325	+	7.629E-23	2.43668E-21	0.215912	hyper	sig	chr21_29940325
chr12	1.24E+08	123931659	+	7.638E-23	2.43945E-21	-0.22648	hypo	sig	chr12_123931659
chr5	51387544	51387544	+	7.656E-23	2.44507E-21	0.215339	hyper	sig	chr5_51387544
chr6	1.08E+08	108167455	+	7.657E-23	2.44529E-21	0.204787	hyper	sig	chr6_108167455
chr2	2.32E+08	232387158	+	7.674E-23	2.45063E-21	0.240275	hyper	sig	chr2_232387158
chr11	18791141	18791141	+	7.689E-23	2.45507E-21	0.319345	hyper	sig	chr11_18791141
chr8	1.43E+08	143215125	+	7.733E-23	2.46893E-21	-0.22692	hypo	sig	chr8_143215125
chr15	77629780	77629780	+	7.739E-23	2.47063E-21	-0.28078	hypo	sig	chr15_77629780
chr3	26622223	26622223	+	7.748E-23	2.47352E-21	0.241327	hyper	sig	chr3_26622223
chr17	41624803	41624803	+	7.749E-23	2.47364E-21	-0.24852	hypo	sig	chr17_41624803
chr5	1.76E+08	176415278	+	7.758E-23	2.47655E-21	-0.25012	hypo	sig	chr5_176415278
chr5	1.81E+08	180646841	+	7.765E-23	2.47872E-21	-0.28153	hypo	sig	chr5_180646841
chr7	35454750	35454750	+	7.767E-23	2.4792E-21	0.305354	hyper	sig	chr7_35454750
chr11	1668234	1668234	+	7.796E-23	2.48814E-21	-0.24978	hypo	sig	chr11_1668234
chr11	55872850	55872850	+	7.803E-23	2.4903E-21	0.248266	hyper	sig	chr11_55872850
chr12	57478647	57478647	+	7.808E-23	2.4919E-21	-0.26294	hypo	sig	chr12_57478647
chr3	1.6E+08	160039284	+	7.81E-23	2.49241E-21	0.253118	hyper	sig	chr3_160039284
chr4	3649066	3649066	+	7.815E-23	2.49393E-21	-0.24261	hypo	sig	chr4_3649066
chr5	77972527	77972527	+	7.815E-23	2.49393E-21	0.290101	hyper	sig	chr5_77972527
chr10	1.33E+08	132591986	+	7.826E-23	2.49742E-21	-0.24407	hypo	sig	chr10_132591986
chr4	1.4E+08	140426924	+	7.886E-23	2.51614E-21	0.20967	hyper	sig	chr4_140426924
chr1	44409017	44409017	+	7.897E-23	2.51956E-21	0.21997	hyper	sig	chr1_44409017
chr17	14298423	14298423	+	7.916E-23	2.52526E-21	0.252945	hyper	sig	chr17_14298423
chr14	56810054	56810054	+	7.924E-23	2.52784E-21	0.317131	hyper	sig	chr14_56810054
chr10	1.23E+08	123143798	+	7.929E-23	2.5294E-21	0.247505	hyper	sig	chr10_123143798
chr14	99246068	99246068	+	7.934E-23	2.53099E-21	0.312394	hyper	sig	chr14_99246068
chr19	18878123	18878123	+	7.937E-23	2.53161E-21	-0.26907	hypo	sig	chr19_18878123
chr3	50358288	50358288	+	7.953E-23	2.53682E-21	-0.26925	hypo	sig	chr3_50358288
chr17	44268120	44268120	+	7.96E-23	2.5386E-21	-0.36868	hypo	sig	chr17_44268120
chr19	52453732	52453732	+	7.971E-23	2.54207E-21	0.455026	hyper	sig	chr19_52453732
chr5	1.73E+08	173244758	+	7.99E-23	2.54825E-21	0.315605	hyper	sig	chr5_173244758
chr3	1.85E+08	184583372	+	7.995E-23	2.54961E-21	0.250278	hyper	sig	chr3_184583372
chr9	1.37E+08	137143356	+	7.999E-23	2.55067E-21	-0.27702	hypo	sig	chr9_137143356
chr3	46809098	46809098	+	8.006E-23	2.55305E-21	-0.30103	hypo	sig	chr3_46809098
chr21	43830005	43830005	+	8.034E-23	2.5616E-21	-0.24228	hypo	sig	chr21_43830005
chr1	2.25E+08	224617904	+	8.063E-23	2.571E-21	0.360751	hyper	sig	chr1_224617904
chr6	1.18E+08	117920321	+	8.084E-23	2.57755E-21	0.259527	hyper	sig	chr6_117920321
chr5	1878527	1878527	+	8.09E-23	2.57914E-21	0.238267	hyper	sig	chr5_1878527
chr1	30769230	30769230	+	8.095E-23	2.58075E-21	-0.25408	hypo	sig	chr1_30769230
chr16	89043564	89043564	+	8.109E-23	2.58509E-21	-0.271	hypo	sig	chr16_89043564
chr19	15181679	15181679	+	8.122E-23	2.58884E-21	-0.25476	hypo	sig	chr19_15181679
chr11	14905444	14905444	+	8.137E-23	2.59349E-21	0.289861	hyper	sig	chr11_14905444
chr7	143029	143029	+	8.137E-23	2.59349E-21	0.226351	hyper	sig	chr7_143029
chr1	1.21E+08	121009448	+	8.141E-23	2.5948E-21	0.244311	hyper	sig	chr1_121009448
chr10	1.32E+08	132221892	+	8.144E-23	2.59549E-21	-0.31775	hypo	sig	chr10_132221892
chr16	676786	676786	+	8.149E-23	2.59699E-21	-0.23015	hypo	sig	chr16_676786
chr3	42703870	42703870	+	8.152E-23	2.59787E-21	-0.23027	hypo	sig	chr3_42703870
chr8	84183802	84183802	+	8.153E-23	2.59826E-21	0.275582	hyper	sig	chr8_84183802
chr6	1E+08	100463640	+	8.181E-23	2.60706E-21	0.236245	hyper	sig	chr6_100463640
chr10	1.09E+08	108911905	+	8.188E-23	2.60917E-21	0.265179	hyper	sig	chr10_108911905
chr1	43360117	43360117	+	8.201E-23	2.61303E-21	-0.29933	hypo	sig	chr1_43360117
chr16	22813228	22813228	+	8.202E-23	2.61341E-21	0.28481	hyper	sig	chr16_22813228
chr10	1.32E+08	132204569	+	8.208E-23	2.6151E-21	-0.22264	hypo	sig	chr10_132204569
chr10	8036351	8036351	+	8.208E-23	2.61517E-21	0.317266	hyper	sig	chr10_8036351
chr1	2.31E+08	231161373	+	8.217E-23	2.61784E-21	0.245711	hyper	sig	chr1_231161373
chr5	1.71E+08	171308757	+	8.22E-23	2.61861E-21	0.283312	hyper	sig	chr5_171308757

chr16	88818646	88818646	+	8.228E-23	2.62123E-21	-0.20651	hypo	sig	chr16_88818646
chr5	488497	488497	+	8.232E-23	2.62215E-21	-0.20837	hypo	sig	chr5_488497
chr4	13529491	13529491	+	8.234E-23	2.62293E-21	0.217392	hyper	sig	chr4_13529491
chr2	1.31E+08	131423953	+	8.248E-23	2.62705E-21	-0.33046	hypo	sig	chr2_131423953
chr12	1.14E+08	114447547	+	8.262E-23	2.63142E-21	0.223637	hyper	sig	chr12_114447547
chr6	29828126	29828126	+	8.28E-23	2.63702E-21	0.236675	hyper	sig	chr6_29828126
chr3	1.82E+08	181724047	+	8.285E-23	2.63844E-21	0.215331	hyper	sig	chr3_181724047
chr1	50425565	50425565	+	8.285E-23	2.63845E-21	0.268417	hyper	sig	chr1_50425565
chr2	2.28E+08	228181710	+	8.29E-23	2.63979E-21	0.254168	hyper	sig	chr2_228181710
chr4	386729	386729	+	8.333E-23	2.65335E-21	0.308506	hyper	sig	chr4_386729
chr2	2.42E+08	241820386	+	8.336E-23	2.65415E-21	-0.30354	hypo	sig	chr2_241820386
chr10	43131023	43131023	+	8.371E-23	2.66536E-21	-0.21553	hypo	sig	chr10_43131023
chr11	92223504	92223504	+	8.387E-23	2.67024E-21	0.280736	hyper	sig	chr11_92223504
chr4	1349009	1349009	+	8.392E-23	2.6717E-21	-0.23009	hypo	sig	chr4_1349009
chr7	561646	561646	+	8.394E-23	2.6724E-21	0.225708	hyper	sig	chr7_561646
chr2	85668237	85668237	+	8.406E-23	2.67597E-21	-0.32025	hypo	sig	chr2_85668237
chr11	1.12E+08	112499778	+	8.41E-23	2.67709E-21	-0.2807	hypo	sig	chr11_112499778
chr12	1.14E+08	114404903	+	8.412E-23	2.6779E-21	0.241859	hyper	sig	chr12_114404903
chr4	95547984	95547984	+	8.414E-23	2.6782E-21	0.222528	hyper	sig	chr4_95547984
chr13	26685717	26685717	+	8.414E-23	2.67828E-21	-0.25844	hypo	sig	chr13_26685717
chr8	56447379	56447379	+	8.428E-23	2.6823E-21	0.23626	hyper	sig	chr8_56447379
chr1	1.77E+08	177171476	+	8.471E-23	2.69581E-21	0.240228	hyper	sig	chr1_177171476
chr1	63320340	63320340	+	8.505E-23	2.70652E-21	0.231022	hyper	sig	chr1_63320340
chr2	1691658	1691658	+	8.508E-23	2.70714E-21	-0.30619	hypo	sig	chr2_1691658
chr17	4786025	4786025	+	8.51E-23	2.70773E-21	0.300722	hyper	sig	chr17_4786025
chr18	75205144	75205144	+	8.52E-23	2.71092E-21	0.266118	hyper	sig	chr18_75205144
chr3	27724566	27724566	+	8.534E-23	2.71495E-21	0.317529	hyper	sig	chr3_27724566
chr7	1.51E+08	151390601	+	8.542E-23	2.71755E-21	-0.24922	hypo	sig	chr7_151390601
chr11	20163145	20163145	+	8.544E-23	2.71796E-21	0.207404	hyper	sig	chr11_20163145
chr5	490543	490543	+	8.572E-23	2.72671E-21	-0.20617	hypo	sig	chr5_490543
chr6	1E+08	100447596	+	8.573E-23	2.72722E-21	0.265348	hyper	sig	chr6_100447596
chr17	65538396	65538396	+	8.584E-23	2.73053E-21	-0.32739	hypo	sig	chr17_65538396
chr7	36280648	36280648	+	8.587E-23	2.73119E-21	-0.2386	hypo	sig	chr7_36280648
chr10	1.23E+08	122818721	+	8.625E-23	2.74321E-21	0.21472	hyper	sig	chr10_122818721
chr7	1.5E+08	150341527	+	8.63E-23	2.74481E-21	0.266522	hyper	sig	chr7_150341527
chr1	1.19E+08	118990343	+	8.631E-23	2.74503E-21	0.294606	hyper	sig	chr1_118990343
chr12	33438415	33438415	+	8.639E-23	2.74721E-21	0.238085	hyper	sig	chr12_33438415
chr4	1.04E+08	103719882	+	8.641E-23	2.74773E-21	0.274474	hyper	sig	chr4_103719882
chr19	1161801	1161801	+	8.651E-23	2.75067E-21	-0.24313	hypo	sig	chr19_1161801
chr8	64577389	64577389	+	8.653E-23	2.75139E-21	0.201248	hyper	sig	chr8_64577389
chr3	1.97E+08	196651022	+	8.663E-23	2.75446E-21	-0.25204	hypo	sig	chr3_196651022
chr1	57423401	57423401	+	8.679E-23	2.75945E-21	0.266812	hyper	sig	chr1_57423401
chr11	30017472	30017472	+	8.688E-23	2.76197E-21	0.306594	hyper	sig	chr11_30017472
chr5	51390313	51390313	+	8.693E-23	2.76338E-21	0.259605	hyper	sig	chr5_51390313
chr2	89611866	89611866	+	8.706E-23	2.76749E-21	0.248224	hyper	sig	chr2_89611866
chr20	23031598	23031598	+	8.711E-23	2.76897E-21	-0.25076	hypo	sig	chr20_23031598
chr16	3365311	3365311	+	8.715E-23	2.77017E-21	0.224907	hyper	sig	chr16_3365311
chr12	1.14E+08	114406437	+	8.721E-23	2.77191E-21	0.213323	hyper	sig	chr12_114406437
chr3	1.23E+08	122911017	+	8.732E-23	2.77503E-21	-0.28186	hypo	sig	chr3_122911017
chr16	87381562	87381562	+	8.747E-23	2.77973E-21	-0.28098	hypo	sig	chr16_87381562
chr7	19119124	19119124	+	8.779E-23	2.7899E-21	0.267208	hyper	sig	chr7_19119124
chr14	26598484	26598484	+	8.786E-23	2.79202E-21	0.243198	hyper	sig	chr14_26598484
chr5	51387659	51387659	+	8.793E-23	2.794E-21	0.211606	hyper	sig	chr5_51387659
chr2	1.06E+08	106056267	+	8.796E-23	2.79501E-21	-0.35312	hypo	sig	chr2_106056267
chr13	27927820	27927820	+	8.807E-23	2.79834E-21	0.317574	hyper	sig	chr13_27927820
chr15	91854947	91854947	+	8.818E-23	2.80145E-21	0.225918	hyper	sig	chr15_91854947

chr19	33775135	33775135	+	8.822E-23	2.80268E-21	-0.25729	hypo	sig	chr19_33775135
chr4	1407676	1407676	+	8.833E-23	2.80618E-21	0.314743	hyper	sig	chr4_1407676
chr6	50706714	50706714	+	8.853E-23	2.81243E-21	0.271201	hyper	sig	chr6_50706714
chr12	53927585	53927585	+	8.867E-23	2.81649E-21	0.273991	hyper	sig	chr12_53927585
chr9	74498175	74498175	+	8.891E-23	2.82406E-21	0.313586	hyper	sig	chr9_74498175
chr4	54231890	54231890	+	8.908E-23	2.82943E-21	0.222463	hyper	sig	chr4_54231890
chr22	32193500	32193500	+	8.937E-23	2.83834E-21	-0.24533	hypo	sig	chr22_32193500
chr6	1.67E+08	166721725	+	8.943E-23	2.84002E-21	-0.25892	hypo	sig	chr6_166721725
chr12	1.31E+08	130916360	+	8.966E-23	2.84721E-21	0.210215	hyper	sig	chr12_130916360
chr22	39646638	39646638	+	8.973E-23	2.84947E-21	-0.27989	hypo	sig	chr22_39646638
chr16	2714256	2714256	+	8.979E-23	2.85124E-21	-0.25336	hypo	sig	chr16_2714256
chr2	1.27E+08	126775615	+	8.998E-23	2.85697E-21	-0.32961	hypo	sig	chr2_126775615
chr1	38044543	38044543	+	9.014E-23	2.86209E-21	0.221428	hyper	sig	chr1_38044543
chr4	55125303	55125303	+	9.016E-23	2.86264E-21	0.256687	hyper	sig	chr4_55125303
chr4	4862575	4862575	+	9.034E-23	2.86823E-21	0.221136	hyper	sig	chr4_4862575
chr11	66420773	66420773	+	9.041E-23	2.87026E-21	0.345079	hyper	sig	chr11_66420773
chr5	88695284	88695284	+	9.046E-23	2.87181E-21	0.316889	hyper	sig	chr5_88695284
chr13	93228693	93228693	+	9.053E-23	2.87379E-21	0.232966	hyper	sig	chr13_93228693
chr4	7299769	7299769	+	9.069E-23	2.87883E-21	-0.22796	hypo	sig	chr4_7299769
chr8	2089966	2089966	+	9.09E-23	2.88538E-21	-0.24135	hypo	sig	chr8_2089966
chr17	948639	948639	+	9.1E-23	2.88825E-21	-0.22028	hypo	sig	chr17_948639
chr16	46885205	46885205	+	9.101E-23	2.88859E-21	-0.22758	hypo	sig	chr16_46885205
chr10	732733	732733	+	9.105E-23	2.88981E-21	-0.43224	hypo	sig	chr10_732733
chr6	32056704	32056704	+	9.132E-23	2.8982E-21	-0.23995	hypo	sig	chr6_32056704
chr1	898978	898978	+	9.139E-23	2.90018E-21	-0.2261	hypo	sig	chr1_898978
chr1	21814304	21814304	+	9.139E-23	2.90027E-21	0.353653	hyper	sig	chr1_21814304
chr17	81161344	81161344	+	9.166E-23	2.9085E-21	-0.28316	hypo	sig	chr17_81161344
chr18	52341945	52341945	+	9.173E-23	2.91084E-21	0.206026	hyper	sig	chr18_52341945
chr4	7129367	7129367	+	9.18E-23	2.91294E-21	-0.25409	hypo	sig	chr4_7129367
chr16	11635293	11635293	+	9.19E-23	2.91594E-21	-0.34675	hypo	sig	chr16_11635293
chr1	47449968	47449968	+	9.203E-23	2.91995E-21	-0.22094	hypo	sig	chr1_47449968
chr13	99969156	99969156	+	9.214E-23	2.92312E-21	0.211403	hyper	sig	chr13_99969156
chr17	74671091	74671091	+	9.221E-23	2.92517E-21	0.281976	hyper	sig	chr17_74671091
chr19	37817866	37817866	+	9.231E-23	2.92825E-21	0.238546	hyper	sig	chr19_37817866
chr2	2.32E+08	232419961	+	9.243E-23	2.93185E-21	0.23669	hyper	sig	chr2_232419961
chr17	81124836	81124836	+	9.247E-23	2.93301E-21	-0.24927	hypo	sig	chr17_81124836
chr1	2.28E+08	227883793	+	9.276E-23	2.94182E-21	-0.24295	hypo	sig	chr1_227883793
chr3	1.26E+08	126394852	+	9.283E-23	2.94367E-21	0.220034	hyper	sig	chr3_126394852
chr7	1.57E+08	157020282	+	9.288E-23	2.94537E-21	0.23898	hyper	sig	chr7_157020282
chr3	1.92E+08	192408471	+	9.311E-23	2.95229E-21	0.247324	hyper	sig	chr3_192408471
chr13	22929986	22929986	+	9.313E-23	2.95285E-21	-0.32023	hypo	sig	chr13_22929986
chr12	1.33E+08	132908208	+	9.344E-23	2.96245E-21	0.213929	hyper	sig	chr12_132908208
chr20	56926017	56926017	+	9.364E-23	2.96867E-21	0.238056	hyper	sig	chr20_56926017
chr8	1.45E+08	144513542	+	9.366E-23	2.96898E-21	-0.23317	hypo	sig	chr8_144513542
chr16	86579996	86579996	+	9.368E-23	2.96955E-21	0.246294	hyper	sig	chr16_86579996
chr12	1.32E+08	132353460	+	9.374E-23	2.97131E-21	0.256925	hyper	sig	chr12_132353460
chr11	45907528	45907528	+	9.377E-23	2.97219E-21	-0.26059	hypo	sig	chr11_45907528
chr1	18703794	18703794	+	9.381E-23	2.97324E-21	-0.24038	hypo	sig	chr1_18703794
chr16	88816806	88816806	+	9.385E-23	2.97449E-21	-0.22862	hypo	sig	chr16_88816806
chr3	1.25E+08	125129791	+	9.396E-23	2.97796E-21	-0.29646	hypo	sig	chr3_125129791
chr5	1948811	1948811	+	9.4E-23	2.97914E-21	-0.21615	hypo	sig	chr5_1948811
chr19	53132733	53132733	+	9.409E-23	2.98178E-21	0.278319	hyper	sig	chr19_53132733
chr6	41562194	41562194	+	9.431E-23	2.9886E-21	-0.2868	hypo	sig	chr6_41562194
chr7	24284930	24284930	+	9.436E-23	2.99001E-21	0.265216	hyper	sig	chr7_24284930
chr11	32428591	32428591	+	9.456E-23	2.99611E-21	0.254904	hyper	sig	chr11_32428591
chr1	1.45E+08	144551249	+	9.472E-23	3.00107E-21	0.250945	hyper	sig	chr1_144551249

chr1	1.48E+08	148310234	+	9.5E-23	3.00979E-21	0.257238	hyper	sig	chr1_148310234
chr12	1.15E+08	114687208	+	9.509E-23	3.0125E-21	0.214754	hyper	sig	chr12_114687208
chr14	1.05E+08	104657275	+	9.509E-23	3.0125E-21	-0.20575	hypo	sig	chr14_104657275
chr4	4862568	4862568	+	9.521E-23	3.01619E-21	0.216207	hyper	sig	chr4_4862568
chr13	20946338	20946338	+	9.527E-23	3.01788E-21	0.279234	hyper	sig	chr13_20946338
chr18	79426369	79426369	+	9.542E-23	3.02251E-21	-0.22722	hypo	sig	chr18_79426369
chr10	1.24E+08	124447247	+	9.561E-23	3.02808E-21	0.267161	hyper	sig	chr10_124447247
chr20	21391912	21391912	+	9.578E-23	3.0332E-21	0.343085	hyper	sig	chr20_21391912
chr1	94540869	94540869	+	9.582E-23	3.03451E-21	-0.20924	hypo	sig	chr1_94540869
chr12	1.15E+08	114687048	+	9.586E-23	3.03554E-21	0.206875	hyper	sig	chr12_114687048
chr4	92305433	92305433	+	9.593E-23	3.03776E-21	0.200203	hyper	sig	chr4_92305433
chr10	3096313	3096313	+	9.614E-23	3.04422E-21	-0.20427	hypo	sig	chr10_3096313
chr18	12259060	12259060	+	9.617E-23	3.04508E-21	-0.28525	hypo	sig	chr18_12259060
chr11	1040328	1040328	+	9.634E-23	3.05038E-21	-0.25874	hypo	sig	chr11_1040328
chr22	29581753	29581753	+	9.645E-23	3.05355E-21	-0.26373	hypo	sig	chr22_29581753
chr10	1.29E+08	128541089	+	9.647E-23	3.05397E-21	0.244727	hyper	sig	chr10_128541089
chr6	10099414	10099414	+	9.66E-23	3.05815E-21	-0.25756	hypo	sig	chr6_10099414
chr3	96815161	96815161	+	9.676E-23	3.06286E-21	0.210174	hyper	sig	chr3_96815161
chr2	1.05E+08	104842733	+	9.695E-23	3.06854E-21	0.288482	hyper	sig	chr2_104842733
chr3	1.47E+08	147380792	+	9.695E-23	3.06866E-21	0.224034	hyper	sig	chr3_147380792
chr10	1.05E+08	104641548	+	9.699E-23	3.06981E-21	0.272173	hyper	sig	chr10_104641548
chr12	53936119	53936119	+	9.716E-23	3.07485E-21	0.300618	hyper	sig	chr12_53936119
chr16	87457981	87457981	+	9.722E-23	3.07672E-21	-0.25884	hypo	sig	chr16_87457981
chr8	48735593	48735593	+	9.731E-23	3.07956E-21	0.242474	hyper	sig	chr8_48735593
chr11	94769592	94769592	+	9.74E-23	3.08232E-21	0.261732	hyper	sig	chr11_94769592
chr11	1.08E+08	107929230	+	9.745E-23	3.08375E-21	0.219347	hyper	sig	chr11_107929230
chr19	58581399	58581399	+	9.753E-23	3.08584E-21	0.281192	hyper	sig	chr19_58581399
chr8	1.16E+08	115667517	+	9.782E-23	3.09492E-21	0.236362	hyper	sig	chr8_115667517
chr2	80302553	80302553	+	9.791E-23	3.09766E-21	0.296625	hyper	sig	chr2_80302553
chr22	43144242	43144242	+	9.795E-23	3.09876E-21	-0.25353	hypo	sig	chr22_43144242
chr1	1.81E+08	181318650	+	9.816E-23	3.10515E-21	0.260474	hyper	sig	chr1_181318650
chr12	43552122	43552122	+	9.848E-23	3.11495E-21	0.269232	hyper	sig	chr12_43552122
chr1	2498827	2498827	+	9.862E-23	3.11925E-21	-0.25349	hypo	sig	chr1_2498827
chr16	1533832	1533832	+	9.871E-23	3.12167E-21	0.202438	hyper	sig	chr16_1533832
chr5	1.47E+08	147480146	+	9.871E-23	3.12167E-21	-0.42463	hypo	sig	chr5_147480146
chr19	9498629	9498629	+	9.871E-23	3.12172E-21	0.261334	hyper	sig	chr19_9498629
chr4	1.11E+08	110626634	+	9.881E-23	3.12451E-21	0.268285	hyper	sig	chr4_110626634
chr2	5693026	5693026	+	9.892E-23	3.12814E-21	0.261235	hyper	sig	chr2_5693026
chr4	42152917	42152917	+	9.894E-23	3.12836E-21	0.239057	hyper	sig	chr4_42152917
chr14	41607524	41607524	+	9.895E-23	3.12866E-21	0.215747	hyper	sig	chr14_41607524
chr12	1.14E+08	114400813	+	9.907E-23	3.13244E-21	0.234643	hyper	sig	chr12_114400813
chr8	1.44E+08	144050418	+	9.936E-23	3.14122E-21	0.260708	hyper	sig	chr8_144050418
chr13	27923025	27923025	+	9.947E-23	3.14463E-21	0.524442	hyper	sig	chr13_27923025
chr14	28774476	28774476	+	9.954E-23	3.14672E-21	0.239726	hyper	sig	chr14_28774476
chr5	1.79E+08	178940650	+	9.96E-23	3.14833E-21	0.316084	hyper	sig	chr5_178940650
chr7	27101769	27101769	+	9.962E-23	3.14878E-21	0.230404	hyper	sig	chr7_27101769
chr2	11587072	11587072	+	1E-22	3.16098E-21	-0.24381	hypo	sig	chr2_11587072
chr1	32904134	32904134	+	1.002E-22	3.16528E-21	-0.27571	hypo	sig	chr1_32904134
chr19	15181727	15181727	+	1.002E-22	3.16618E-21	-0.27349	hypo	sig	chr19_15181727
chr11	70826900	70826900	+	1.002E-22	3.16709E-21	0.215441	hyper	sig	chr11_70826900
chr17	75784165	75784165	+	1.006E-22	3.17936E-21	-0.20733	hypo	sig	chr17_75784165
chr12	1.1E+08	109961497	+	1.007E-22	3.18194E-21	-0.25783	hypo	sig	chr12_109961497
chr9	13284889	13284889	+	1.008E-22	3.18613E-21	-0.36751	hypo	sig	chr9_13284889
chr20	45298006	45298006	+	1.009E-22	3.18655E-21	-0.27795	hypo	sig	chr20_45298006
chr1	90718199	90718199	+	1.009E-22	3.18827E-21	0.201857	hyper	sig	chr1_90718199
chr17	82388950	82388950	+	1.012E-22	3.19754E-21	-0.32639	hypo	sig	chr17_82388950

chr3	1.02E+08	101678053	+	1.012E-22	3.19754E-21	-0.25138	hypo	sig	chr3_101678053
chr11	67452411	67452411	+	1.013E-22	3.19864E-21	-0.26366	hypo	sig	chr11_67452411
chr6	32056691	32056691	+	1.013E-22	3.19864E-21	-0.27349	hypo	sig	chr6_32056691
chr10	1.05E+08	104640128	+	1.014E-22	3.20144E-21	0.303956	hyper	sig	chr10_104640128
chr20	59011346	59011346	+	1.015E-22	3.20545E-21	-0.25068	hypo	sig	chr20_59011346
chr12	84912058	84912058	+	1.015E-22	3.20643E-21	0.355844	hyper	sig	chr12_84912058
chr6	1.59E+08	159168842	+	1.016E-22	3.20839E-21	0.202181	hyper	sig	chr6_159168842
chr1	1.47E+08	147078519	+	1.018E-22	3.21419E-21	0.253462	hyper	sig	chr1_147078519
chr2	20107028	20107028	+	1.019E-22	3.21826E-21	0.282463	hyper	sig	chr2_20107028
chr16	89562462	89562462	+	1.02E-22	3.21952E-21	-0.22197	hypo	sig	chr16_89562462
chr3	1.94E+08	194376406	+	1.02E-22	3.21999E-21	-0.20431	hypo	sig	chr3_194376406
chr4	52077064	52077064	+	1.02E-22	3.21999E-21	0.257046	hyper	sig	chr4_52077064
chr5	1885427	1885427	+	1.022E-22	3.22647E-21	0.215518	hyper	sig	chr5_1885427
chr5	63962046	63962046	+	1.025E-22	3.23535E-21	0.251399	hyper	sig	chr5_63962046
chr7	1.29E+08	129125111	+	1.025E-22	3.23638E-21	-0.23242	hypo	sig	chr7_129125111
chr14	99936962	99936962	+	1.025E-22	3.23653E-21	-0.21414	hypo	sig	chr14_99936962
chr7	49775063	49775063	+	1.026E-22	3.23879E-21	0.22961	hyper	sig	chr7_49775063
chr15	37097163	37097163	+	1.027E-22	3.24133E-21	0.227143	hyper	sig	chr15_37097163
chr4	1.11E+08	110612860	+	1.03E-22	3.25126E-21	0.227109	hyper	sig	chr4_110612860
chr3	535974	535974	+	1.035E-22	3.26597E-21	0.223922	hyper	sig	chr3_535974
chr9	93960814	93960814	+	1.036E-22	3.26834E-21	0.277957	hyper	sig	chr9_93960814
chr18	50298677	50298677	+	1.039E-22	3.27753E-21	0.218247	hyper	sig	chr18_50298677
chr11	94401512	94401512	+	1.04E-22	3.28048E-21	0.250432	hyper	sig	chr11_94401512
chr16	86337800	86337800	+	1.04E-22	3.28166E-21	-0.20545	hypo	sig	chr16_86337800
chr3	62374264	62374264	+	1.04E-22	3.28208E-21	0.250501	hyper	sig	chr3_62374264
chr19	15010719	15010719	+	1.043E-22	3.28945E-21	0.290187	hyper	sig	chr19_15010719
chr1	9652510	9652510	+	1.045E-22	3.29777E-21	0.231156	hyper	sig	chr1_9652510
chr20	46252318	46252318	+	1.048E-22	3.30528E-21	-0.22354	hypo	sig	chr20_46252318
chr11	35630255	35630255	+	1.053E-22	3.32033E-21	-0.39651	hypo	sig	chr11_35630255
chr1	1.14E+08	114154836	+	1.058E-22	3.3386E-21	0.228017	hyper	sig	chr1_114154836
chr6	32058565	32058565	+	1.06E-22	3.34337E-21	-0.26419	hypo	sig	chr6_32058565
chr16	89916096	89916096	+	1.06E-22	3.3436E-21	-0.24719	hypo	sig	chr16_89916096
chr11	77039140	77039140	+	1.061E-22	3.34482E-21	-0.41213	hypo	sig	chr11_77039140
chr2	1.6E+08	160271692	+	1.061E-22	3.34624E-21	-0.21313	hypo	sig	chr2_160271692
chr16	87278441	87278441	+	1.061E-22	3.34634E-21	-0.24082	hypo	sig	chr16_87278441
chr3	1.26E+08	126266175	+	1.062E-22	3.34742E-21	-0.27017	hypo	sig	chr3_126266175
chr13	1.13E+08	113147402	+	1.062E-22	3.34841E-21	-0.23942	hypo	sig	chr13_113147402
chr14	76777660	76777660	+	1.065E-22	3.35778E-21	-0.20219	hypo	sig	chr14_76777660
chr19	36331536	36331536	+	1.066E-22	3.36231E-21	0.234832	hyper	sig	chr19_36331536
chr12	98745695	98745695	+	1.067E-22	3.36517E-21	0.201986	hyper	sig	chr12_98745695
chr11	64972242	64972242	+	1.068E-22	3.36633E-21	0.303508	hyper	sig	chr11_64972242
chr19	53308511	53308511	+	1.071E-22	3.37504E-21	0.236247	hyper	sig	chr19_53308511
chr4	54232159	54232159	+	1.072E-22	3.37998E-21	0.251162	hyper	sig	chr4_54232159
chr7	1.55E+08	155257796	+	1.072E-22	3.37998E-21	-0.26644	hypo	sig	chr7_155257796
chr8	1.39E+08	138878263	+	1.074E-22	3.3844E-21	-0.21571	hypo	sig	chr8_138878263
chr11	733162	733162	+	1.074E-22	3.38491E-21	-0.23667	hypo	sig	chr11_733162
chr5	1.79E+08	179060830	+	1.077E-22	3.39392E-21	0.279378	hyper	sig	chr5_179060830
chr6	50849489	50849489	+	1.08E-22	3.40274E-21	0.266969	hyper	sig	chr6_50849489
chr12	24902370	24902370	+	1.081E-22	3.40722E-21	0.267937	hyper	sig	chr12_24902370
chr7	19106945	19106945	+	1.081E-22	3.40752E-21	0.261689	hyper	sig	chr7_19106945
chr19	641872	641872	+	1.083E-22	3.41158E-21	-0.22889	hypo	sig	chr19_641872
chr1	3434856	3434856	+	1.086E-22	3.42307E-21	-0.24421	hypo	sig	chr1_3434856
chr1	1.77E+08	177171562	+	1.086E-22	3.42321E-21	0.250401	hyper	sig	chr1_177171562
chr9	1.19E+08	119369827	+	1.088E-22	3.42801E-21	0.230147	hyper	sig	chr9_119369827
chr5	75054990	75054990	+	1.089E-22	3.4295E-21	-0.28066	hypo	sig	chr5_75054990
chr4	72032063	72032063	+	1.089E-22	3.43073E-21	0.285877	hyper	sig	chr4_72032063

chr5	3606422	3606422	+	1.089E-22	3.43106E-21	0.233285	hyper	sig	chr5_3606422
chr6	33165931	33165931	+	1.091E-22	3.43523E-21	-0.23609	hypo	sig	chr6_33165931
chr18	906798	906798	+	1.091E-22	3.43549E-21	0.329772	hyper	sig	chr18_906798
chr2	1.82E+08	181678504	+	1.091E-22	3.43713E-21	0.227855	hyper	sig	chr2_181678504
chr3	27730345	27730345	+	1.094E-22	3.44417E-21	0.228676	hyper	sig	chr3_27730345
chr6	17282882	17282882	+	1.095E-22	3.44747E-21	0.264702	hyper	sig	chr6_17282882
chr7	45575789	45575789	+	1.095E-22	3.44747E-21	0.206577	hyper	sig	chr7_45575789
chr15	74133242	74133242	+	1.095E-22	3.44927E-21	0.314263	hyper	sig	chr15_74133242
chr5	1.41E+08	140828561	+	1.099E-22	3.45968E-21	0.207083	hyper	sig	chr5_140828561
chr19	56671617	56671617	+	1.1E-22	3.46443E-21	0.293006	hyper	sig	chr19_56671617
chr7	1.58E+08	157588592	+	1.102E-22	3.46995E-21	-0.28267	hypo	sig	chr7_157588592
chr16	89052594	89052594	+	1.104E-22	3.47473E-21	-0.29727	hypo	sig	chr16_89052594
chr1	2.03E+08	203223689	+	1.106E-22	3.48056E-21	-0.30129	hypo	sig	chr1_203223689
chr11	20208488	20208488	+	1.106E-22	3.48248E-21	0.255039	hyper	sig	chr11_20208488
chr14	1.04E+08	104357802	+	1.107E-22	3.48556E-21	-0.22944	hypo	sig	chr14_104357802
chr16	29318059	29318059	+	1.108E-22	3.48856E-21	-0.20195	hypo	sig	chr16_29318059
chr21	26967738	26967738	+	1.11E-22	3.49389E-21	0.306894	hyper	sig	chr21_26967738
chr19	18007425	18007425	+	1.11E-22	3.49446E-21	0.209264	hyper	sig	chr19_18007425
chr20	51003948	51003948	+	1.11E-22	3.49446E-21	-0.2387	hypo	sig	chr20_51003948
chr5	50969826	50969826	+	1.111E-22	3.49468E-21	0.228158	hyper	sig	chr5_50969826
chr2	38515517	38515517	+	1.111E-22	3.49618E-21	-0.25896	hypo	sig	chr2_38515517
chr10	25935092	25935092	+	1.111E-22	3.49684E-21	0.212314	hyper	sig	chr10_25935092
chr11	68842948	68842948	+	1.112E-22	3.49908E-21	-0.20363	hypo	sig	chr11_68842948
chr14	1.05E+08	104740028	+	1.113E-22	3.50038E-21	-0.22128	hypo	sig	chr14_104740028
chr16	89052607	89052607	+	1.115E-22	3.50654E-21	-0.30468	hypo	sig	chr16_89052607
chr13	1.08E+08	108496647	+	1.115E-22	3.50662E-21	0.385393	hyper	sig	chr13_108496647
chr12	57176157	57176157	+	1.116E-22	3.51192E-21	-0.23035	hypo	sig	chr12_57176157
chr5	73444892	73444892	+	1.118E-22	3.51511E-21	0.242863	hyper	sig	chr5_73444892
chr17	81941573	81941573	+	1.119E-22	3.51948E-21	-0.23225	hypo	sig	chr17_81941573
chr17	17352264	17352264	+	1.12E-22	3.52292E-21	-0.25902	hypo	sig	chr17_17352264
chr4	6472154	6472154	+	1.121E-22	3.52669E-21	0.227885	hyper	sig	chr4_6472154
chr6	50845960	50845960	+	1.122E-22	3.52753E-21	0.284953	hyper	sig	chr6_50845960
chr4	1.47E+08	146655344	+	1.122E-22	3.52884E-21	0.244273	hyper	sig	chr4_146655344
chr2	1.37E+08	136764908	+	1.123E-22	3.53036E-21	0.267405	hyper	sig	chr2_136764908
chr16	1443749	1443749	+	1.125E-22	3.53606E-21	-0.2736	hypo	sig	chr16_1443749
chr1	1.19E+08	118987307	+	1.125E-22	3.53653E-21	0.338547	hyper	sig	chr1_118987307
chr11	32431320	32431320	+	1.126E-22	3.54103E-21	0.208523	hyper	sig	chr11_32431320
chr11	45355773	45355773	+	1.126E-22	3.54108E-21	0.259875	hyper	sig	chr11_45355773
chr5	88678312	88678312	+	1.127E-22	3.54213E-21	0.220654	hyper	sig	chr5_88678312
chr12	1.1E+08	109814986	+	1.128E-22	3.54546E-21	-0.236	hypo	sig	chr12_109814986
chr13	78586876	78586876	+	1.129E-22	3.54755E-21	0.203816	hyper	sig	chr13_78586876
chr8	48735609	48735609	+	1.131E-22	3.55406E-21	0.21784	hyper	sig	chr8_48735609
chr5	1.75E+08	174732672	+	1.131E-22	3.55451E-21	0.251216	hyper	sig	chr5_174732672
chr5	88672315	88672315	+	1.132E-22	3.55921E-21	0.203111	hyper	sig	chr5_88672315
chr11	1.17E+08	117430166	+	1.133E-22	3.56103E-21	-0.23686	hypo	sig	chr11_117430166
chr2	94998575	94998575	+	1.134E-22	3.56534E-21	0.300624	hyper	sig	chr2_94998575
chr10	1.33E+08	133026174	+	1.138E-22	3.57525E-21	-0.23522	hypo	sig	chr10_133026174
chr8	70070607	70070607	+	1.138E-22	3.57566E-21	0.314524	hyper	sig	chr8_70070607
chr12	1.32E+08	132360209	+	1.14E-22	3.58357E-21	0.258617	hyper	sig	chr12_132360209
chr4	1.09E+08	109302035	+	1.141E-22	3.58436E-21	0.299284	hyper	sig	chr4_109302035
chr7	23710143	23710143	+	1.142E-22	3.58819E-21	-0.2453	hypo	sig	chr7_23710143
chr12	1.08E+08	107775238	+	1.144E-22	3.59326E-21	0.292931	hyper	sig	chr12_107775238
chr7	1.58E+08	157588364	+	1.146E-22	3.60068E-21	-0.29691	hypo	sig	chr7_157588364
chr6	33976117	33976117	+	1.146E-22	3.60152E-21	0.247611	hyper	sig	chr6_33976117
chr11	1.29E+08	128823782	+	1.147E-22	3.60263E-21	-0.20762	hypo	sig	chr11_128823782
chr5	1.35E+08	135028947	+	1.149E-22	3.60774E-21	0.292741	hyper	sig	chr5_135028947

chr11	61777729	61777729	+	1.15E-22	3.61183E-21	0.216473	hyper	sig	chr11_61777729
chr7	30681902	30681902	+	1.153E-22	3.62194E-21	0.251031	hyper	sig	chr7_30681902
chr7	1.43E+08	142796632	+	1.154E-22	3.62471E-21	0.327736	hyper	sig	chr7_142796632
chr13	27794935	27794935	+	1.155E-22	3.62762E-21	0.227795	hyper	sig	chr13_27794935
chr13	1.12E+08	112105765	+	1.157E-22	3.63386E-21	0.207275	hyper	sig	chr13_112105765
chr20	48827261	48827261	+	1.158E-22	3.63684E-21	0.222765	hyper	sig	chr20_48827261
chr1	2.28E+08	228212699	+	1.16E-22	3.64279E-21	0.28253	hyper	sig	chr1_228212699
chr7	4107725	4107725	+	1.163E-22	3.65183E-21	-0.23616	hypo	sig	chr7_4107725
chr1	2.12E+08	211514648	+	1.164E-22	3.65446E-21	-0.24082	hypo	sig	chr1_211514648
chr7	1.18E+08	118214622	+	1.164E-22	3.65446E-21	0.204572	hyper	sig	chr7_118214622
chr9	1.37E+08	136739801	+	1.164E-22	3.65545E-21	-0.27441	hypo	sig	chr9_136739801
chr12	5946264	5946264	+	1.165E-22	3.65797E-21	-0.27278	hypo	sig	chr12_5946264
chr1	3577670	3577670	+	1.166E-22	3.661E-21	-0.27764	hypo	sig	chr1_3577670
chr1	1.19E+08	119008325	+	1.166E-22	3.66143E-21	0.283839	hyper	sig	chr1_119008325
chr12	85273575	85273575	+	1.167E-22	3.66217E-21	0.219845	hyper	sig	chr12_85273575
chr16	1266184	1266184	+	1.167E-22	3.66217E-21	-0.24135	hypo	sig	chr16_1266184
chr5	42995485	42995485	+	1.169E-22	3.66918E-21	0.232518	hyper	sig	chr5_42995485
chr17	4785398	4785398	+	1.17E-22	3.67236E-21	0.219241	hyper	sig	chr17_4785398
chr1	1.21E+08	121118254	+	1.171E-22	3.67352E-21	0.253991	hyper	sig	chr1_121118254
chr11	45693967	45693967	+	1.171E-22	3.67465E-21	-0.25193	hypo	sig	chr11_45693967
chr10	93060317	93060317	+	1.174E-22	3.68326E-21	0.248677	hyper	sig	chr10_93060317
chr6	1.68E+08	168415983	+	1.174E-22	3.684E-21	0.22881	hyper	sig	chr6_168415983
chr1	6234790	6234790	+	1.175E-22	3.68816E-21	-0.21228	hypo	sig	chr1_6234790
chr6	72623243	72623243	+	1.178E-22	3.69456E-21	0.237161	hyper	sig	chr6_72623243
chr11	31799458	31799458	+	1.18E-22	3.70119E-21	0.234478	hyper	sig	chr11_31799458
chr8	8891026	8891026	+	1.182E-22	3.70918E-21	0.207285	hyper	sig	chr8_8891026
chr8	1.16E+08	115667564	+	1.183E-22	3.71255E-21	0.207151	hyper	sig	chr8_115667564
chr7	81114	81114	+	1.184E-22	3.7132E-21	-0.24472	hypo	sig	chr7_81114
chr1	1211533	1211533	+	1.184E-22	3.71534E-21	-0.20685	hypo	sig	chr1_1211533
chr13	1.13E+08	113420469	+	1.185E-22	3.71619E-21	-0.25652	hypo	sig	chr13_113420469
chr13	1.11E+08	110506681	+	1.186E-22	3.72038E-21	-0.29204	hypo	sig	chr13_110506681
chr11	65868521	65868521	+	1.188E-22	3.7249E-21	-0.2698	hypo	sig	chr11_65868521
chr1	2.17E+08	217139705	+	1.19E-22	3.73268E-21	0.31126	hyper	sig	chr1_217139705
chr17	76264611	76264611	+	1.192E-22	3.73722E-21	-0.21888	hypo	sig	chr17_76264611
chr9	1.37E+08	137031244	+	1.193E-22	3.74012E-21	-0.23478	hypo	sig	chr9_137031244
chr1	1.8E+08	179586914	+	1.193E-22	3.74101E-21	-0.28922	hypo	sig	chr1_179586914
chr1	929538	929538	+	1.193E-22	3.74121E-21	-0.24507	hypo	sig	chr1_929538
chr2	1.76E+08	176083425	+	1.2E-22	3.76288E-21	0.201129	hyper	sig	chr2_176083425
chr15	70584949	70584949	+	1.203E-22	3.77108E-21	-0.24056	hypo	sig	chr15_70584949
chr1	3650650	3650650	+	1.203E-22	3.77241E-21	0.216979	hyper	sig	chr1_3650650
chr17	82321042	82321042	+	1.204E-22	3.77543E-21	-0.2035	hypo	sig	chr17_82321042
chr20	1890971	1890971	+	1.206E-22	3.77985E-21	-0.26813	hypo	sig	chr20_1890971
chr17	81050301	81050301	+	1.208E-22	3.78767E-21	-0.29521	hypo	sig	chr17_81050301
chr19	19860994	19860994	+	1.21E-22	3.79184E-21	0.234623	hyper	sig	chr19_19860994
chr7	1.59E+08	159026984	+	1.21E-22	3.79289E-21	-0.23482	hypo	sig	chr7_159026984
chr6	30111371	30111371	+	1.211E-22	3.79437E-21	-0.25509	hypo	sig	chr6_30111371
chr22	39381737	39381737	+	1.211E-22	3.79592E-21	-0.22736	hypo	sig	chr22_39381737
chr1	57423345	57423345	+	1.212E-22	3.79865E-21	0.251437	hyper	sig	chr1_57423345
chr4	3286036	3286036	+	1.212E-22	3.79881E-21	-0.20675	hypo	sig	chr4_3286036
chr14	99792852	99792852	+	1.212E-22	3.79887E-21	0.272058	hyper	sig	chr14_99792852
chr20	57392604	57392604	+	1.212E-22	3.79887E-21	0.306131	hyper	sig	chr20_57392604
chr17	76946699	76946699	+	1.215E-22	3.80582E-21	-0.22491	hypo	sig	chr17_76946699
chr8	1.31E+08	131041521	+	1.217E-22	3.8122E-21	0.260459	hyper	sig	chr8_131041521
chr15	95326748	95326748	+	1.22E-22	3.82237E-21	0.273978	hyper	sig	chr15_95326748
chr19	37692555	37692555	+	1.22E-22	3.82243E-21	0.228426	hyper	sig	chr19_37692555
chr14	56795370	56795370	+	1.221E-22	3.82357E-21	0.21885	hyper	sig	chr14_56795370

chr3	62379187	62379187	+	1.221E-22	3.82404E-21	0.290648	hyper	sig	chr3_62379187
chr4	1.74E+08	173531713	+	1.222E-22	3.82769E-21	0.220431	hyper	sig	chr4_173531713
chr1	3651149	3651149	+	1.222E-22	3.82823E-21	0.23763	hyper	sig	chr1_3651149
chr4	1309869	1309869	+	1.223E-22	3.82964E-21	0.211279	hyper	sig	chr4_1309869
chr5	1.16E+08	115962290	+	1.223E-22	3.82991E-21	0.337646	hyper	sig	chr5_115962290
chr19	1130875	1130875	+	1.223E-22	3.83192E-21	-0.25727	hypo	sig	chr19_1130875
chr3	43998460	43998460	+	1.225E-22	3.83686E-21	0.209864	hyper	sig	chr3_43998460
chr12	24903263	24903263	+	1.226E-22	3.84092E-21	0.278387	hyper	sig	chr12_24903263
chr4	17781710	17781710	+	1.229E-22	3.84722E-21	0.258446	hyper	sig	chr4_17781710
chr16	54932746	54932746	+	1.229E-22	3.8481E-21	0.274952	hyper	sig	chr16_54932746
chr12	1.03E+08	102824795	+	1.229E-22	3.84866E-21	0.233118	hyper	sig	chr12_102824795
chr13	78596547	78596547	+	1.232E-22	3.85894E-21	0.317468	hyper	sig	chr13_78596547
chr1	11654197	11654197	+	1.233E-22	3.86059E-21	0.239402	hyper	sig	chr1_11654197
chr3	6861483	6861483	+	1.234E-22	3.86211E-21	0.288829	hyper	sig	chr3_6861483
chr8	4994902	4994902	+	1.234E-22	3.86301E-21	0.253703	hyper	sig	chr8_4994902
chr7	1237899	1237899	+	1.234E-22	3.86352E-21	0.224902	hyper	sig	chr7_1237899
chr19	10143815	10143815	+	1.237E-22	3.87109E-21	-0.30375	hypo	sig	chr19_10143815
chr19	55452716	55452716	+	1.238E-22	3.87397E-21	0.347793	hyper	sig	chr19_55452716
chr1	2.37E+08	236687061	+	1.239E-22	3.87762E-21	0.215118	hyper	sig	chr1_236687061
chr1	63319228	63319228	+	1.245E-22	3.89638E-21	0.313874	hyper	sig	chr1_63319228
chr12	51401562	51401562	+	1.246E-22	3.90126E-21	-0.26103	hypo	sig	chr12_51401562
chr16	1443725	1443725	+	1.247E-22	3.90254E-21	-0.28629	hypo	sig	chr16_1443725
chr13	1.12E+08	112074063	+	1.251E-22	3.91361E-21	0.222446	hyper	sig	chr13_112074063
chr17	1575595	1575595	+	1.252E-22	3.91679E-21	-0.23371	hypo	sig	chr17_1575595
chr10	1.05E+08	104640138	+	1.252E-22	3.91866E-21	0.335741	hyper	sig	chr10_104640138
chr19	50563833	50563833	+	1.253E-22	3.91993E-21	-0.25835	hypo	sig	chr19_50563833
chr5	1.41E+08	140807486	+	1.254E-22	3.92221E-21	0.2335	hyper	sig	chr5_140807486
chr11	18792577	18792577	+	1.255E-22	3.92541E-21	0.239201	hyper	sig	chr11_18792577
chr1	6089390	6089390	+	1.255E-22	3.92783E-21	-0.20222	hypo	sig	chr1_6089390
chr6	1E+08	100448798	+	1.256E-22	3.92913E-21	0.229012	hyper	sig	chr6_100448798
chr5	1.41E+08	141350605	+	1.263E-22	3.95115E-21	0.283064	hyper	sig	chr5_141350605
chr3	26623751	26623751	+	1.266E-22	3.95857E-21	0.202645	hyper	sig	chr3_26623751
chr17	79178566	79178566	+	1.267E-22	3.96208E-21	-0.20394	hypo	sig	chr17_79178566
chr7	97021949	97021949	+	1.267E-22	3.96361E-21	0.320942	hyper	sig	chr7_97021949
chr16	29318052	29318052	+	1.268E-22	3.96595E-21	-0.21055	hypo	sig	chr16_29318052
chr17	63941602	63941602	+	1.27E-22	3.97181E-21	-0.29081	hypo	sig	chr17_63941602
chr19	39204095	39204095	+	1.271E-22	3.975E-21	0.231613	hyper	sig	chr19_39204095
chr1	63319927	63319927	+	1.272E-22	3.97739E-21	0.304109	hyper	sig	chr1_63319927
chr6	1.34E+08	133667619	+	1.274E-22	3.98422E-21	-0.29747	hypo	sig	chr6_133667619
chr13	20946220	20946220	+	1.277E-22	3.99421E-21	0.323866	hyper	sig	chr13_20946220
chr14	1.01E+08	101439917	+	1.277E-22	3.99434E-21	-0.26628	hypo	sig	chr14_101439917
chr8	41308647	41308647	+	1.278E-22	3.99716E-21	0.314238	hyper	sig	chr8_41308647
chr7	1.06E+08	105963176	+	1.283E-22	4.01198E-21	-0.26398	hypo	sig	chr7_105963176
chr9	1.37E+08	137130386	+	1.285E-22	4.01798E-21	0.213379	hyper	sig	chr9_137130386
chr6	30172478	30172478	+	1.285E-22	4.01825E-21	0.242032	hyper	sig	chr6_30172478
chr2	1.92E+08	192194888	+	1.286E-22	4.01997E-21	0.248818	hyper	sig	chr2_192194888
chr7	1.56E+08	155799509	+	1.287E-22	4.02218E-21	-0.30684	hypo	sig	chr7_155799509
chr17	80904428	80904428	+	1.289E-22	4.02798E-21	-0.20059	hypo	sig	chr17_80904428
chr8	1.43E+08	142510233	+	1.289E-22	4.03029E-21	0.206594	hyper	sig	chr8_142510233
chr1	2.07E+08	207453017	+	1.29E-22	4.03144E-21	-0.22751	hypo	sig	chr1_207453017
chr14	28758723	28758723	+	1.295E-22	4.04729E-21	0.291013	hyper	sig	chr14_28758723
chr20	31473065	31473065	+	1.297E-22	4.05419E-21	-0.22811	hypo	sig	chr20_31473065
chr2	1.13E+08	113117656	+	1.302E-22	4.06977E-21	-0.20878	hypo	sig	chr2_113117656
chr19	12194798	12194798	+	1.306E-22	4.08209E-21	0.299655	hyper	sig	chr19_12194798
chr5	19988259	19988259	+	1.307E-22	4.08307E-21	0.232526	hyper	sig	chr5_19988259
chr16	86513716	86513716	+	1.307E-22	4.08386E-21	0.252443	hyper	sig	chr16_86513716

chr1	38476687	38476687	+	1.307E-22	4.08468E-21	0.335105	hyper	sig	chr1_38476687
chr2	44944651	44944651	+	1.308E-22	4.08574E-21	0.314704	hyper	sig	chr2_44944651
chr11	1.29E+08	128695231	+	1.309E-22	4.08783E-21	0.306594	hyper	sig	chr11_128695231
chr19	37817846	37817846	+	1.311E-22	4.0965E-21	0.248364	hyper	sig	chr19_37817846
chr1	3651308	3651308	+	1.311E-22	4.09652E-21	0.217305	hyper	sig	chr1_3651308
chr11	1048629	1048629	+	1.314E-22	4.10507E-21	-0.21907	hypo	sig	chr11_1048629
chr2	1.49E+08	148888311	+	1.316E-22	4.1098E-21	0.210342	hyper	sig	chr2_148888311
chr5	1.41E+08	141355191	+	1.316E-22	4.11002E-21	0.218561	hyper	sig	chr5_141355191
chr5	1.32E+08	132271396	+	1.317E-22	4.11191E-21	-0.22716	hypo	sig	chr5_132271396
chr1	1.19E+08	119000733	+	1.317E-22	4.11372E-21	0.230548	hyper	sig	chr1_119000733
chr5	88660015	88660015	+	1.318E-22	4.11624E-21	0.253349	hyper	sig	chr5_88660015
chr2	1.76E+08	176100762	+	1.322E-22	4.12879E-21	0.230115	hyper	sig	chr2_176100762
chr15	23688413	23688413	+	1.33E-22	4.1523E-21	-0.21529	hypo	sig	chr15_23688413
chr1	15247070	15247070	+	1.331E-22	4.15449E-21	-0.23597	hypo	sig	chr1_15247070
chr1	1.44E+08	143652874	+	1.331E-22	4.1562E-21	0.21886	hyper	sig	chr1_143652874
chr6	98843467	98843467	+	1.333E-22	4.16184E-21	0.206648	hyper	sig	chr6_98843467
chr2	80322699	80322699	+	1.334E-22	4.16422E-21	0.264471	hyper	sig	chr2_80322699
chr5	1.73E+08	173244722	+	1.334E-22	4.16478E-21	0.311976	hyper	sig	chr5_173244722
chr5	1640046	1640046	+	1.342E-22	4.18993E-21	-0.21057	hypo	sig	chr5_1640046
chr10	93069242	93069242	+	1.343E-22	4.19106E-21	0.218284	hyper	sig	chr10_93069242
chr1	2428569	2428569	+	1.343E-22	4.19229E-21	-0.20407	hypo	sig	chr1_2428569
chr12	64390718	64390718	+	1.344E-22	4.19327E-21	0.226775	hyper	sig	chr12_64390718
chr5	524154	524154	+	1.346E-22	4.19938E-21	0.203206	hyper	sig	chr5_524154
chr12	53955520	53955520	+	1.347E-22	4.20328E-21	0.285997	hyper	sig	chr12_53955520
chr2	2.4E+08	240290935	+	1.349E-22	4.20988E-21	-0.20306	hypo	sig	chr2_240290935
chr20	63071443	63071443	+	1.349E-22	4.20988E-21	-0.27442	hypo	sig	chr20_63071443
chr11	67452326	67452326	+	1.35E-22	4.21308E-21	-0.32059	hypo	sig	chr11_67452326
chr19	15181709	15181709	+	1.351E-22	4.21497E-21	-0.26724	hypo	sig	chr19_15181709
chr11	1.23E+08	122977416	+	1.353E-22	4.22181E-21	0.290229	hyper	sig	chr11_122977416
chr20	673917	673917	+	1.355E-22	4.2267E-21	-0.30844	hypo	sig	chr20_673917
chr7	1.59E+08	159093458	+	1.355E-22	4.22717E-21	-0.21263	hypo	sig	chr7_159093458
chr11	1043852	1043852	+	1.355E-22	4.22758E-21	-0.21557	hypo	sig	chr11_1043852
chr2	1.05E+08	104867069	+	1.355E-22	4.22772E-21	0.262971	hyper	sig	chr2_104867069
chr11	92226015	92226015	+	1.356E-22	4.22862E-21	0.275637	hyper	sig	chr11_92226015
chr15	65415130	65415130	+	1.359E-22	4.23869E-21	-0.27146	hypo	sig	chr15_65415130
chr12	1.32E+08	132452121	+	1.362E-22	4.24698E-21	-0.24268	hypo	sig	chr12_132452121
chr2	1.81E+08	181457048	+	1.363E-22	4.24964E-21	0.223548	hyper	sig	chr2_181457048
chr22	18115178	18115178	+	1.363E-22	4.25082E-21	-0.25537	hypo	sig	chr22_18115178
chr7	44238785	44238785	+	1.366E-22	4.25813E-21	-0.25837	hypo	sig	chr7_44238785
chr8	4995003	4995003	+	1.367E-22	4.26338E-21	0.262004	hyper	sig	chr8_4995003
chr5	2739085	2739085	+	1.368E-22	4.26515E-21	0.226208	hyper	sig	chr5_2739085
chr10	1.33E+08	133170978	+	1.37E-22	4.27013E-21	0.268994	hyper	sig	chr10_133170978
chr12	1.07E+08	106585702	+	1.37E-22	4.2725E-21	0.250497	hyper	sig	chr12_106585702
chr14	36659351	36659351	+	1.376E-22	4.29036E-21	0.247535	hyper	sig	chr14_36659351
chr16	31011020	31011020	+	1.376E-22	4.29036E-21	0.227088	hyper	sig	chr16_31011020
chr3	1.28E+08	128496739	+	1.378E-22	4.29612E-21	0.23179	hyper	sig	chr3_128496739
chr2	5696103	5696103	+	1.38E-22	4.30033E-21	0.258696	hyper	sig	chr2_5696103
chr19	40568043	40568043	+	1.38E-22	4.30237E-21	0.236645	hyper	sig	chr19_40568043
chr7	54542214	54542214	+	1.38E-22	4.30247E-21	0.259477	hyper	sig	chr7_54542214
chr7	43114054	43114054	+	1.381E-22	4.3052E-21	0.244628	hyper	sig	chr7_43114054
chr7	97002596	97002596	+	1.383E-22	4.30897E-21	0.225572	hyper	sig	chr7_97002596
chr15	79090763	79090763	+	1.383E-22	4.30925E-21	0.354129	hyper	sig	chr15_79090763
chr4	1.74E+08	173518763	+	1.383E-22	4.31137E-21	0.301878	hyper	sig	chr4_173518763
chr5	1446183	1446183	+	1.384E-22	4.31222E-21	0.313611	hyper	sig	chr5_1446183
chr12	62192446	62192446	+	1.386E-22	4.31786E-21	0.419154	hyper	sig	chr12_62192446
chr16	51153642	51153642	+	1.387E-22	4.32315E-21	0.279916	hyper	sig	chr16_51153642

chr19	12195434	12195434	+	1.39E-22	4.33195E-21	0.241091	hyper	sig	chr19_12195434
chr1	1901697	1901697	+	1.392E-22	4.3362E-21	-0.25133	hypo	sig	chr1_1901697
chr4	652820	652820	+	1.393E-22	4.33918E-21	-0.22542	hypo	sig	chr4_652820
chr2	1.49E+08	148876050	+	1.396E-22	4.3486E-21	0.263725	hyper	sig	chr2_148876050
chr19	21851607	21851607	+	1.398E-22	4.35502E-21	0.274567	hyper	sig	chr19_21851607
chr15	28832244	28832244	+	1.405E-22	4.37807E-21	0.256693	hyper	sig	chr15_28832244
chr8	11347172	11347172	+	1.412E-22	4.39667E-21	0.227052	hyper	sig	chr8_11347172
chr19	41933093	41933093	+	1.415E-22	4.40749E-21	-0.32104	hypo	sig	chr19_41933093
chr17	35448774	35448774	+	1.416E-22	4.4093E-21	0.25693	hyper	sig	chr17_35448774
chr20	63417550	63417550	+	1.418E-22	4.41568E-21	-0.2218	hypo	sig	chr20_63417550
chr5	1.75E+08	174732721	+	1.42E-22	4.42167E-21	0.28093	hyper	sig	chr5_174732721
chr16	86516145	86516145	+	1.424E-22	4.43438E-21	0.236686	hyper	sig	chr16_86516145
chr5	1.79E+08	178994326	+	1.432E-22	4.45774E-21	0.275332	hyper	sig	chr5_178994326
chr9	92807288	92807288	+	1.433E-22	4.46156E-21	0.262073	hyper	sig	chr9_92807288
chr19	52336390	52336390	+	1.433E-22	4.46233E-21	0.311519	hyper	sig	chr19_52336390
chr1	57423061	57423061	+	1.434E-22	4.4648E-21	0.266897	hyper	sig	chr1_57423061
chr16	1443824	1443824	+	1.435E-22	4.46702E-21	-0.24233	hypo	sig	chr16_1443824
chr2	1.05E+08	104856712	+	1.435E-22	4.46702E-21	0.201783	hyper	sig	chr2_104856712
chr18	8718570	8718570	+	1.436E-22	4.47019E-21	-0.36864	hypo	sig	chr18_8718570
chr12	1.32E+08	132292639	+	1.437E-22	4.47112E-21	-0.20652	hypo	sig	chr12_132292639
chr7	43112424	43112424	+	1.439E-22	4.47775E-21	0.256149	hyper	sig	chr7_43112424
chr4	1.9E+08	190017916	+	1.441E-22	4.48522E-21	0.245621	hyper	sig	chr4_190017916
chr16	7304684	7304684	+	1.442E-22	4.48681E-21	0.256578	hyper	sig	chr16_7304684
chr21	45588256	45588256	+	1.445E-22	4.49672E-21	-0.24053	hypo	sig	chr21_45588256
chr16	85625027	85625027	+	1.448E-22	4.50599E-21	-0.2877	hypo	sig	chr16_85625027
chr19	55362947	55362947	+	1.449E-22	4.50774E-21	-0.2163	hypo	sig	chr19_55362947
chr8	56113983	56113983	+	1.449E-22	4.50908E-21	0.311548	hyper	sig	chr8_56113983
chr6	98843469	98843469	+	1.452E-22	4.51817E-21	0.211989	hyper	sig	chr6_98843469
chr1	1.08E+08	107964467	+	1.455E-22	4.52532E-21	0.228981	hyper	sig	chr1_107964467
chr8	96494903	96494903	+	1.459E-22	4.53953E-21	0.327397	hyper	sig	chr8_96494903
chr16	85452110	85452110	+	1.46E-22	4.54094E-21	-0.20913	hypo	sig	chr16_85452110
chr17	17445653	17445653	+	1.462E-22	4.54607E-21	-0.33831	hypo	sig	chr17_17445653
chr11	79189797	79189797	+	1.464E-22	4.55259E-21	-0.30826	hypo	sig	chr11_79189797
chr1	94540895	94540895	+	1.468E-22	4.56383E-21	-0.20971	hypo	sig	chr1_94540895
chr17	44967292	44967292	+	1.468E-22	4.5646E-21	0.212864	hyper	sig	chr17_44967292
chr19	57130457	57130457	+	1.472E-22	4.57614E-21	-0.30674	hypo	sig	chr19_57130457
chr2	1.13E+08	113291325	+	1.472E-22	4.57666E-21	0.229701	hyper	sig	chr2_113291325
chr5	1.41E+08	141235883	+	1.473E-22	4.58116E-21	0.246753	hyper	sig	chr5_141235883
chr1	1333869	1333869	+	1.474E-22	4.58144E-21	-0.2731	hypo	sig	chr1_1333869
chr2	1.53E+08	153478137	+	1.483E-22	4.60938E-21	0.211954	hyper	sig	chr2_153478137
chr10	1.29E+08	129344209	+	1.485E-22	4.61762E-21	-0.21959	hypo	sig	chr10_129344209
chr1	7782348	7782348	+	1.486E-22	4.61879E-21	-0.25232	hypo	sig	chr1_7782348
chr16	55655650	55655650	+	1.492E-22	4.63731E-21	0.30095	hyper	sig	chr16_55655650
chr2	1.13E+08	113291273	+	1.492E-22	4.63805E-21	0.243428	hyper	sig	chr2_113291273
chr8	41700096	41700096	+	1.493E-22	4.63921E-21	-0.25616	hypo	sig	chr8_41700096
chr7	1.55E+08	155400555	+	1.494E-22	4.64133E-21	-0.22542	hypo	sig	chr7_155400555
chr16	841621	841621	+	1.498E-22	4.65483E-21	-0.24262	hypo	sig	chr16_841621
chr15	74133903	74133903	+	1.505E-22	4.6753E-21	0.270785	hyper	sig	chr15_74133903
chr11	66049129	66049129	+	1.507E-22	4.68114E-21	0.31476	hyper	sig	chr11_66049129
chr2	2.4E+08	240140713	+	1.509E-22	4.68661E-21	-0.20295	hypo	sig	chr2_240140713
chr2	1.19E+08	119432459	+	1.51E-22	4.69063E-21	-0.27687	hypo	sig	chr2_119432459
chr2	2.35E+08	235053801	+	1.512E-22	4.69524E-21	-0.29905	hypo	sig	chr2_235053801
chr8	1454884	1454884	+	1.512E-22	4.69524E-21	-0.28362	hypo	sig	chr8_1454884
chr10	1.32E+08	132189262	+	1.512E-22	4.69545E-21	-0.25237	hypo	sig	chr10_132189262
chr11	31806366	31806366	+	1.517E-22	4.71262E-21	0.203597	hyper	sig	chr11_31806366
chr21	37006182	37006182	+	1.519E-22	4.71719E-21	0.286426	hyper	sig	chr21_37006182

chr7	1237885	1237885	+	1.52E-22	4.72211E-21	0.250992	hyper	sig	chr7_1237885
chr12	1500191	1500191	+	1.524E-22	4.73244E-21	-0.21738	hypo	sig	chr12_1500191
chr4	8372702	8372702	+	1.525E-22	4.73451E-21	-0.2252	hypo	sig	chr4_8372702
chr6	1.1E+08	110357708	+	1.529E-22	4.74732E-21	0.247101	hyper	sig	chr6_110357708
chr5	1.41E+08	141364800	+	1.532E-22	4.75609E-21	0.28221	hyper	sig	chr5_141364800
chr12	1.14E+08	114403883	+	1.533E-22	4.75828E-21	0.246522	hyper	sig	chr12_114403883
chr11	31824123	31824123	+	1.534E-22	4.76283E-21	0.281041	hyper	sig	chr11_31824123
chr11	20669592	20669592	+	1.535E-22	4.76683E-21	0.33856	hyper	sig	chr11_20669592
chr19	50716721	50716721	+	1.536E-22	4.76813E-21	-0.224	hypo	sig	chr19_50716721
chr16	87518034	87518034	+	1.536E-22	4.76945E-21	-0.31936	hypo	sig	chr16_87518034
chr1	1.21E+08	121009571	+	1.54E-22	4.77908E-21	0.204764	hyper	sig	chr1_121009571
chr13	1.13E+08	112835504	+	1.545E-22	4.79603E-21	0.25379	hyper	sig	chr13_112835504
chr20	46651604	46651604	+	1.55E-22	4.80895E-21	0.212493	hyper	sig	chr20_46651604
chr4	3750658	3750658	+	1.551E-22	4.8134E-21	-0.24193	hypo	sig	chr4_3750658
chr12	24903282	24903282	+	1.552E-22	4.81691E-21	0.287904	hyper	sig	chr12_24903282
chr12	1.19E+08	118981018	+	1.558E-22	4.83267E-21	0.30988	hyper	sig	chr12_118981018
chr19	57171752	57171752	+	1.559E-22	4.83606E-21	0.402181	hyper	sig	chr19_57171752
chr20	21105403	21105403	+	1.564E-22	4.85198E-21	0.205309	hyper	sig	chr20_21105403
chr4	1.82E+08	182142294	+	1.565E-22	4.85606E-21	0.20919	hyper	sig	chr4_182142294
chr11	31799840	31799840	+	1.567E-22	4.86165E-21	0.205734	hyper	sig	chr11_31799840
chr2	2.37E+08	236507707	+	1.568E-22	4.86392E-21	0.316531	hyper	sig	chr2_236507707
chr8	26048582	26048582	+	1.569E-22	4.86841E-21	0.224634	hyper	sig	chr8_26048582
chr1	23949357	23949357	+	1.57E-22	4.86861E-21	-0.2635	hypo	sig	chr1_23949357
chr5	50969902	50969902	+	1.577E-22	4.89169E-21	0.249211	hyper	sig	chr5_50969902
chr5	73444706	73444706	+	1.578E-22	4.89232E-21	0.22944	hyper	sig	chr5_73444706
chr8	11347138	11347138	+	1.579E-22	4.89535E-21	0.23253	hyper	sig	chr8_11347138
chr9	21031823	21031823	+	1.58E-22	4.90032E-21	0.315459	hyper	sig	chr9_21031823
chr8	41308676	41308676	+	1.581E-22	4.90154E-21	0.278667	hyper	sig	chr8_41308676
chr4	7786452	7786452	+	1.581E-22	4.90155E-21	-0.20358	hypo	sig	chr4_7786452
chr10	1.32E+08	131981024	+	1.586E-22	4.9186E-21	0.219837	hyper	sig	chr10_131981024
chr12	1.13E+08	113463828	+	1.587E-22	4.91938E-21	0.298613	hyper	sig	chr12_113463828
chr8	42499353	42499353	+	1.588E-22	4.9245E-21	0.254696	hyper	sig	chr8_42499353
chr17	48579210	48579210	+	1.593E-22	4.93775E-21	-0.25621	hypo	sig	chr17_48579210
chr1	2.34E+08	234235007	+	1.594E-22	4.94113E-21	-0.32421	hypo	sig	chr1_234235007
chr9	1.37E+08	137130391	+	1.598E-22	4.95433E-21	0.206867	hyper	sig	chr9_137130391
chr14	1.04E+08	104223932	+	1.599E-22	4.9554E-21	0.230431	hyper	sig	chr14_104223932
chr3	13622087	13622087	+	1.601E-22	4.96308E-21	-0.20142	hypo	sig	chr3_13622087
chr17	35490165	35490165	+	1.604E-22	4.96996E-21	0.216675	hyper	sig	chr17_35490165
chr16	88100801	88100801	+	1.605E-22	4.97363E-21	0.247757	hyper	sig	chr16_88100801
chr10	26218500	26218500	+	1.606E-22	4.9778E-21	0.30738	hyper	sig	chr10_26218500
chr10	1.01E+08	101226127	+	1.607E-22	4.97985E-21	0.28257	hyper	sig	chr10_101226127
chr12	53955507	53955507	+	1.611E-22	4.99294E-21	0.284671	hyper	sig	chr12_53955507
chr13	57629955	57629955	+	1.611E-22	4.99294E-21	0.282446	hyper	sig	chr13_57629955
chr11	1.11E+08	110712993	+	1.612E-22	4.99417E-21	0.22054	hyper	sig	chr11_110712993
chr1	30921068	30921068	+	1.614E-22	5.00171E-21	-0.29305	hypo	sig	chr1_30921068
chr14	1.05E+08	104637359	+	1.617E-22	5.01017E-21	-0.26949	hypo	sig	chr14_104637359
chr1	3083237	3083237	+	1.62E-22	5.01773E-21	-0.29556	hypo	sig	chr1_3083237
chr12	6075359	6075359	+	1.62E-22	5.01806E-21	-0.27352	hypo	sig	chr12_6075359
chr7	6871471	6871471	+	1.622E-22	5.02471E-21	-0.27852	hypo	sig	chr7_6871471
chr17	78140982	78140982	+	1.626E-22	5.0383E-21	-0.2891	hypo	sig	chr17_78140982
chr17	48596055	48596055	+	1.628E-22	5.04193E-21	-0.2435	hypo	sig	chr17_48596055
chr4	1.57E+08	157220784	+	1.63E-22	5.0488E-21	0.254005	hyper	sig	chr4_157220784
chr22	29719161	29719161	+	1.631E-22	5.05022E-21	-0.25979	hypo	sig	chr22_29719161
chr7	1.22E+08	122300290	+	1.632E-22	5.05372E-21	0.200593	hyper	sig	chr7_122300290
chr15	33311682	33311682	+	1.633E-22	5.05619E-21	0.23356	hyper	sig	chr15_33311682
chr7	1602588	1602588	+	1.634E-22	5.05917E-21	-0.26715	hypo	sig	chr7_1602588

chr11	8168892	8168892	+	1.635E-22	5.06195E-21	0.281684	hyper	sig	chr11_8168892
chr2	74515239	74515239	+	1.635E-22	5.06195E-21	0.264854	hyper	sig	chr2_74515239
chr4	11427984	11427984	+	1.636E-22	5.06448E-21	0.317894	hyper	sig	chr4_11427984
chr12	1.11E+08	110690224	+	1.636E-22	5.06591E-21	-0.31312	hypo	sig	chr12_110690224
chr17	68198928	68198928	+	1.636E-22	5.06619E-21	0.259337	hyper	sig	chr17_68198928
chr5	1.35E+08	135050481	+	1.636E-22	5.06639E-21	0.285104	hyper	sig	chr5_135050481
chr22	50735256	50735256	+	1.638E-22	5.07215E-21	-0.30225	hypo	sig	chr22_50735256
chr1	1.97E+08	196608593	+	1.645E-22	5.09299E-21	0.218896	hyper	sig	chr1_196608593
chr11	1872377	1872377	+	1.651E-22	5.10957E-21	-0.31062	hypo	sig	chr11_1872377
chr10	1.01E+08	100659540	+	1.651E-22	5.10977E-21	0.287007	hyper	sig	chr10_100659540
chr17	79178093	79178093	+	1.652E-22	5.11334E-21	-0.23528	hypo	sig	chr17_79178093
chr15	28920737	28920737	+	1.654E-22	5.12019E-21	-0.28191	hypo	sig	chr15_28920737
chr3	26622936	26622936	+	1.658E-22	5.12966E-21	0.225693	hyper	sig	chr3_26622936
chr10	22253519	22253519	+	1.658E-22	5.13117E-21	0.256998	hyper	sig	chr10_22253519
chr1	2.28E+08	228429297	+	1.661E-22	5.13921E-21	-0.21151	hypo	sig	chr1_228429297
chr19	687054	687054	+	1.668E-22	5.15967E-21	-0.22601	hypo	sig	chr19_687054
chr11	2140714	2140714	+	1.673E-22	5.17466E-21	0.211553	hyper	sig	chr11_2140714
chr9	1.28E+08	127925195	+	1.673E-22	5.17584E-21	-0.26353	hypo	sig	chr9_127925195
chr15	67826955	67826955	+	1.675E-22	5.18101E-21	0.323073	hyper	sig	chr15_67826955
chr10	7412019	7412019	+	1.685E-22	5.21092E-21	0.326207	hyper	sig	chr10_7412019
chr7	27124227	27124227	+	1.685E-22	5.21236E-21	0.222496	hyper	sig	chr7_27124227
chr10	70283794	70283794	+	1.687E-22	5.21804E-21	0.333858	hyper	sig	chr10_70283794
chr16	49277572	49277572	+	1.69E-22	5.22563E-21	0.22825	hyper	sig	chr16_49277572
chr5	55223256	55223256	+	1.691E-22	5.22984E-21	0.294818	hyper	sig	chr5_55223256
chr10	69569310	69569310	+	1.694E-22	5.23769E-21	0.263241	hyper	sig	chr10_69569310
chr7	1.57E+08	157392566	+	1.695E-22	5.24012E-21	-0.25116	hypo	sig	chr7_157392566
chr12	1500183	1500183	+	1.696E-22	5.24531E-21	-0.21301	hypo	sig	chr12_1500183
chr1	2433915	2433915	+	1.696E-22	5.2457E-21	-0.21197	hypo	sig	chr1_2433915
chr8	1.08E+08	108083104	+	1.701E-22	5.25947E-21	0.256963	hyper	sig	chr8_108083104
chr19	3821333	3821333	+	1.702E-22	5.26089E-21	-0.31999	hypo	sig	chr19_3821333
chr12	1.32E+08	131854026	+	1.702E-22	5.26173E-21	-0.20323	hypo	sig	chr12_131854026
chr9	93346210	93346210	+	1.704E-22	5.26746E-21	0.343309	hyper	sig	chr9_93346210
chr17	13602310	13602310	+	1.71E-22	5.28719E-21	0.295421	hyper	sig	chr17_13602310
chr4	10461996	10461996	+	1.712E-22	5.29132E-21	0.279572	hyper	sig	chr4_10461996
chr1	63319193	63319193	+	1.715E-22	5.30102E-21	0.339128	hyper	sig	chr1_63319193
chr6	1.27E+08	127120610	+	1.716E-22	5.30371E-21	0.234577	hyper	sig	chr6_127120610
chr8	1432875	1432875	+	1.717E-22	5.30803E-21	-0.21153	hypo	sig	chr8_1432875
chr20	9838626	9838626	+	1.719E-22	5.31251E-21	0.251014	hyper	sig	chr20_9838626
chr4	1.54E+08	153781716	+	1.719E-22	5.31339E-21	-0.25894	hypo	sig	chr4_153781716
chr11	61914086	61914086	+	1.719E-22	5.31343E-21	-0.23806	hypo	sig	chr11_61914086
chr7	1.5E+08	150047357	+	1.721E-22	5.31659E-21	0.386888	hyper	sig	chr7_150047357
chr16	87278383	87278383	+	1.721E-22	5.31684E-21	-0.25938	hypo	sig	chr16_87278383
chr1	47450137	47450137	+	1.722E-22	5.3204E-21	-0.2177	hypo	sig	chr1_47450137
chr4	7772877	7772877	+	1.722E-22	5.32139E-21	0.233805	hyper	sig	chr4_7772877
chr15	96366155	96366155	+	1.726E-22	5.33368E-21	0.210516	hyper	sig	chr15_96366155
chr1	22592594	22592594	+	1.733E-22	5.3543E-21	-0.24529	hypo	sig	chr1_22592594
chr3	62377341	62377341	+	1.736E-22	5.36322E-21	0.25781	hyper	sig	chr3_62377341
chr10	1.23E+08	123150701	+	1.739E-22	5.37235E-21	0.270994	hyper	sig	chr10_123150701
chr12	1.13E+08	113472793	+	1.74E-22	5.3744E-21	0.276868	hyper	sig	chr12_113472793
chr5	6349474	6349474	+	1.742E-22	5.38116E-21	-0.23219	hypo	sig	chr5_6349474
chr11	1.21E+08	120563287	+	1.746E-22	5.39219E-21	-0.27107	hypo	sig	chr11_120563287
chr19	49043618	49043618	+	1.746E-22	5.39252E-21	-0.2638	hypo	sig	chr19_49043618
chr14	36584454	36584454	+	1.747E-22	5.39533E-21	0.257019	hyper	sig	chr14_36584454
chr6	1.08E+08	108165246	+	1.748E-22	5.39747E-21	0.350594	hyper	sig	chr6_108165246
chr11	1.35E+08	134913641	+	1.755E-22	5.41849E-21	-0.20039	hypo	sig	chr11_134913641
chr7	27115885	27115885	+	1.755E-22	5.41915E-21	0.269599	hyper	sig	chr7_27115885

chr20	62476324	62476324	+	1.757E-22	5.42453E-21	0.216151	hyper	sig	chr20_62476324
chr4	722083	722083	+	1.765E-22	5.44947E-21	-0.21161	hypo	sig	chr4_722083
chr3	6862927	6862927	+	1.765E-22	5.45026E-21	0.31503	hyper	sig	chr3_6862927
chr6	6614186	6614186	+	1.77E-22	5.465E-21	-0.2715	hypo	sig	chr6_6614186
chr7	65269368	65269368	+	1.77E-22	5.46522E-21	0.213562	hyper	sig	chr7_65269368
chr11	20597554	20597554	+	1.772E-22	5.47155E-21	0.246016	hyper	sig	chr11_20597554
chr1	3435638	3435638	+	1.775E-22	5.4802E-21	-0.23264	hypo	sig	chr1_3435638
chr16	86444032	86444032	+	1.776E-22	5.48175E-21	0.284304	hyper	sig	chr16_86444032
chr15	81134352	81134352	+	1.783E-22	5.50198E-21	0.205707	hyper	sig	chr15_81134352
chr1	1.53E+08	152579684	+	1.783E-22	5.50237E-21	-0.2335	hypo	sig	chr1_152579684
chr14	1.04E+08	104141995	+	1.783E-22	5.50276E-21	-0.25167	hypo	sig	chr14_104141995
chr5	1.35E+08	135050511	+	1.786E-22	5.51098E-21	0.292604	hyper	sig	chr5_135050511
chr10	1.24E+08	124447241	+	1.788E-22	5.51751E-21	0.249659	hyper	sig	chr10_124447241
chr21	45472918	45472918	+	1.79E-22	5.52405E-21	-0.29462	hypo	sig	chr21_45472918
chr14	70186997	70186997	+	1.792E-22	5.52894E-21	0.315578	hyper	sig	chr14_70186997
chr10	1.3E+08	129867410	+	1.804E-22	5.5666E-21	-0.23239	hypo	sig	chr10_129867410
chr16	1443701	1443701	+	1.807E-22	5.5735E-21	-0.26722	hypo	sig	chr16_1443701
chr9	1.34E+08	133674283	+	1.809E-22	5.58071E-21	-0.29053	hypo	sig	chr9_133674283
chr11	69449933	69449933	+	1.816E-22	5.60282E-21	-0.24664	hypo	sig	chr11_69449933
chr11	1.23E+08	122981721	+	1.819E-22	5.61225E-21	0.244037	hyper	sig	chr11_122981721
chr17	49994462	49994462	+	1.825E-22	5.62844E-21	0.265921	hyper	sig	chr17_49994462
chr2	61889565	61889565	+	1.827E-22	5.63518E-21	-0.42209	hypo	sig	chr2_61889565
chr2	1.24E+08	124024695	+	1.83E-22	5.64269E-21	0.285135	hyper	sig	chr2_124024695
chr5	1.46E+08	146334202	+	1.83E-22	5.64269E-21	0.236489	hyper	sig	chr5_146334202
chr6	50849427	50849427	+	1.83E-22	5.64498E-21	0.281234	hyper	sig	chr6_50849427
chr7	85186183	85186183	+	1.835E-22	5.65904E-21	0.262546	hyper	sig	chr7_85186183
chr1	75135606	75135606	+	1.837E-22	5.66291E-21	0.261574	hyper	sig	chr1_75135606
chr19	20661235	20661235	+	1.838E-22	5.66655E-21	0.290094	hyper	sig	chr19_20661235
chr2	30446893	30446893	+	1.842E-22	5.67996E-21	-0.26995	hypo	sig	chr2_30446893
chr4	1.74E+08	173531412	+	1.842E-22	5.67996E-21	0.238242	hyper	sig	chr4_173531412
chr2	38075323	38075323	+	1.844E-22	5.68406E-21	0.296048	hyper	sig	chr2_38075323
chr9	1.36E+08	136366899	+	1.844E-22	5.68406E-21	-0.25966	hypo	sig	chr9_136366899
chr13	1.13E+08	113405919	+	1.848E-22	5.69582E-21	-0.27864	hypo	sig	chr13_113405919
chr2	85584322	85584322	+	1.849E-22	5.69866E-21	0.252596	hyper	sig	chr2_85584322
chr3	1.47E+08	147392023	+	1.856E-22	5.7208E-21	0.284868	hyper	sig	chr3_147392023
chr2	1654453	1654453	+	1.857E-22	5.72375E-21	-0.30854	hypo	sig	chr2_1654453
chr5	38259112	38259112	+	1.86E-22	5.73132E-21	0.243284	hyper	sig	chr5_38259112
chr6	32204046	32204046	+	1.86E-22	5.73278E-21	-0.23782	hypo	sig	chr6_32204046
chr1	2378791	2378791	+	1.863E-22	5.74017E-21	-0.23528	hypo	sig	chr1_2378791
chr12	49961508	49961508	+	1.869E-22	5.75873E-21	0.217586	hyper	sig	chr12_49961508
chr19	45472903	45472903	+	1.87E-22	5.76069E-21	0.314842	hyper	sig	chr19_45472903
chr19	31353274	31353274	+	1.87E-22	5.76089E-21	0.242444	hyper	sig	chr19_31353274
chr8	22231988	22231988	+	1.87E-22	5.76089E-21	0.200977	hyper	sig	chr8_22231988
chr17	81400612	81400612	+	1.872E-22	5.76787E-21	0.229672	hyper	sig	chr17_81400612
chr2	68319956	68319956	+	1.873E-22	5.76903E-21	0.345143	hyper	sig	chr2_68319956
chr3	26622102	26622102	+	1.874E-22	5.77458E-21	0.355575	hyper	sig	chr3_26622102
chr14	62117809	62117809	+	1.875E-22	5.77469E-21	0.242409	hyper	sig	chr14_62117809
chr11	90052742	90052742	+	1.878E-22	5.78413E-21	0.249628	hyper	sig	chr11_90052742
chr7	1.37E+08	136871075	+	1.88E-22	5.78887E-21	0.276305	hyper	sig	chr7_136871075
chr1	18805641	18805641	+	1.881E-22	5.79397E-21	-0.21134	hypo	sig	chr1_18805641
chr3	62369765	62369765	+	1.883E-22	5.79799E-21	0.330132	hyper	sig	chr3_62369765
chr17	17352381	17352381	+	1.888E-22	5.81509E-21	-0.28198	hypo	sig	chr17_17352381
chr4	1349214	1349214	+	1.891E-22	5.82404E-21	-0.29849	hypo	sig	chr4_1349214
chr8	1.4E+08	139622152	+	1.893E-22	5.82718E-21	-0.26949	hypo	sig	chr8_139622152
chr8	54466616	54466616	+	1.894E-22	5.82999E-21	0.252492	hyper	sig	chr8_54466616
chr2	1.87E+08	186849120	+	1.898E-22	5.8448E-21	0.220225	hyper	sig	chr2_186849120

chr19	53132920	53132920	+	1.899E-22	5.84498E-21	0.284822	hyper	sig	chr19_53132920
chr16	66604390	66604390	+	1.905E-22	5.86496E-21	0.218099	hyper	sig	chr16_66604390
chr16	6483174	6483174	+	1.908E-22	5.87468E-21	0.208412	hyper	sig	chr16_6483174
chr16	89608208	89608208	+	1.91E-22	5.87972E-21	-0.27827	hypo	sig	chr16_89608208
chr5	1.34E+08	133608460	+	1.913E-22	5.88715E-21	-0.23474	hypo	sig	chr5_133608460
chr16	66604352	66604352	+	1.914E-22	5.89114E-21	0.277497	hyper	sig	chr16_66604352
chr16	85643006	85643006	+	1.916E-22	5.89669E-21	-0.29246	hypo	sig	chr16_85643006
chr8	72538296	72538296	+	1.92E-22	5.90823E-21	0.331856	hyper	sig	chr8_72538296
chr8	1.08E+08	108083065	+	1.922E-22	5.9139E-21	0.251599	hyper	sig	chr8_108083065
chr12	53975673	53975673	+	1.922E-22	5.9139E-21	0.230743	hyper	sig	chr12_53975673
chr1	85613177	85613177	+	1.923E-22	5.9168E-21	-0.35141	hypo	sig	chr1_85613177
chr1	1007314	1007314	+	1.924E-22	5.92038E-21	-0.21965	hypo	sig	chr1_1007314
chr17	15917787	15917787	+	1.924E-22	5.92039E-21	0.359863	hyper	sig	chr17_15917787
chr5	1.46E+08	146340497	+	1.924E-22	5.92039E-21	0.277154	hyper	sig	chr5_146340497
chr16	3184176	3184176	+	1.926E-22	5.92587E-21	0.329201	hyper	sig	chr16_3184176
chr16	86504474	86504474	+	1.927E-22	5.92958E-21	0.212906	hyper	sig	chr16_86504474
chr14	60507275	60507275	+	1.931E-22	5.94205E-21	0.316139	hyper	sig	chr14_60507275
chr17	79178533	79178533	+	1.936E-22	5.95597E-21	-0.20441	hypo	sig	chr17_79178533
chr8	1.42E+08	142451396	+	1.939E-22	5.9637E-21	0.237686	hyper	sig	chr8_142451396
chr22	50257207	50257207	+	1.94E-22	5.96753E-21	-0.21031	hypo	sig	chr22_50257207
chr11	67665185	67665185	+	1.94E-22	5.96801E-21	-0.23296	hypo	sig	chr11_67665185
chr4	11427993	11427993	+	1.941E-22	5.96947E-21	0.336648	hyper	sig	chr4_11427993
chr20	63690026	63690026	+	1.941E-22	5.97048E-21	-0.25393	hypo	sig	chr20_63690026
chr16	4006390	4006390	+	1.943E-22	5.97622E-21	0.261733	hyper	sig	chr16_4006390
chr19	32870137	32870137	+	1.947E-22	5.98645E-21	-0.27214	hypo	sig	chr19_32870137
chr10	1.33E+08	132783485	+	1.95E-22	5.99631E-21	-0.21954	hypo	sig	chr10_132783485
chr16	2319875	2319875	+	1.963E-22	6.0364E-21	-0.31016	hypo	sig	chr16_2319875
chr19	49050468	49050468	+	1.965E-22	6.04205E-21	-0.26997	hypo	sig	chr19_49050468
chr15	24773061	24773061	+	1.976E-22	6.07534E-21	0.249362	hyper	sig	chr15_24773061
chr16	987438	987438	+	1.982E-22	6.09246E-21	-0.29792	hypo	sig	chr16_987438
chr10	1402939	1402939	+	1.987E-22	6.10877E-21	-0.29185	hypo	sig	chr10_1402939
chr16	55330931	55330931	+	1.988E-22	6.10963E-21	0.283239	hyper	sig	chr16_55330931
chr10	1.23E+08	122818686	+	1.988E-22	6.11055E-21	0.237464	hyper	sig	chr10_122818686
chr4	80267353	80267353	+	1.992E-22	6.12257E-21	0.238679	hyper	sig	chr4_80267353
chr5	1.78E+08	177982991	+	1.994E-22	6.12937E-21	-0.27694	hypo	sig	chr5_177982991
chr11	1.19E+08	119423995	+	1.998E-22	6.14122E-21	-0.28142	hypo	sig	chr11_119423995
chr13	93228715	93228715	+	1.999E-22	6.14439E-21	0.242361	hyper	sig	chr13_93228715
chr14	1.04E+08	104323036	+	2.003E-22	6.15555E-21	-0.23453	hypo	sig	chr14_104323036
chr9	1.37E+08	136739788	+	2.003E-22	6.1565E-21	-0.26787	hypo	sig	chr9_136739788
chr8	1.38E+08	138496600	+	2.004E-22	6.15701E-21	0.236648	hyper	sig	chr8_138496600
chr7	1.54E+08	153749641	+	2.005E-22	6.1614E-21	0.223592	hyper	sig	chr7_153749641
chr17	28717605	28717605	+	2.012E-22	6.181E-21	0.245803	hyper	sig	chr17_28717605
chr12	53960868	53960868	+	2.014E-22	6.18888E-21	0.219126	hyper	sig	chr12_53960868
chr2	40452434	40452434	+	2.015E-22	6.19176E-21	0.221395	hyper	sig	chr2_40452434
chr6	27495568	27495568	+	2.02E-22	6.20564E-21	0.22189	hyper	sig	chr6_27495568
chr12	53973218	53973218	+	2.023E-22	6.21561E-21	0.278415	hyper	sig	chr12_53973218
chr16	11635329	11635329	+	2.031E-22	6.23995E-21	-0.36857	hypo	sig	chr16_11635329
chr5	1.77E+08	177328228	+	2.032E-22	6.24245E-21	-0.26591	hypo	sig	chr5_177328228
chr12	53927518	53927518	+	2.033E-22	6.2444E-21	0.224977	hyper	sig	chr12_53927518
chr20	610831	610831	+	2.035E-22	6.25038E-21	-0.31814	hypo	sig	chr20_610831
chr11	31805010	31805010	+	2.037E-22	6.25761E-21	0.25088	hyper	sig	chr11_31805010
chr4	1.47E+08	146637091	+	2.038E-22	6.25857E-21	0.241779	hyper	sig	chr4_146637091
chr7	38976020	38976020	+	2.039E-22	6.26146E-21	0.28091	hyper	sig	chr7_38976020
chr4	912703	912703	+	2.04E-22	6.26488E-21	-0.20717	hypo	sig	chr4_912703
chr16	85286389	85286389	+	2.042E-22	6.26974E-21	-0.26143	hypo	sig	chr16_85286389
chr19	6703174	6703174	+	2.045E-22	6.27901E-21	-0.27204	hypo	sig	chr19_6703174

chr1	2.28E+08	228464625	+	2.047E-22	6.28669E-21	0.206946	hyper	sig	chr1_228464625
chr20	57392622	57392622	+	2.047E-22	6.28669E-21	0.295166	hyper	sig	chr20_57392622
chr4	1.04E+08	103720129	+	2.048E-22	6.28918E-21	0.252692	hyper	sig	chr4_103720129
chr6	1625180	1625180	+	2.057E-22	6.31441E-21	0.213092	hyper	sig	chr6_1625180
chr5	1.73E+08	173245547	+	2.059E-22	6.32111E-21	0.274685	hyper	sig	chr5_173245547
chr14	24315581	24315581	+	2.066E-22	6.34272E-21	-0.22198	hypo	sig	chr14_24315581
chr10	1.01E+08	100519972	+	2.067E-22	6.34492E-21	0.224264	hyper	sig	chr10_100519972
chr17	1575590	1575590	+	2.067E-22	6.34501E-21	-0.24214	hypo	sig	chr17_1575590
chr5	1.59E+08	159096945	+	2.072E-22	6.35895E-21	0.338671	hyper	sig	chr5_159096945
chr12	72271942	72271942	+	2.081E-22	6.38758E-21	0.268562	hyper	sig	chr12_72271942
chr7	37448670	37448670	+	2.084E-22	6.39378E-21	0.223692	hyper	sig	chr7_37448670
chr1	2.07E+08	207051637	+	2.084E-22	6.39482E-21	-0.23708	hypo	sig	chr1_207051637
chr5	1852725	1852725	+	2.085E-22	6.39862E-21	-0.22466	hypo	sig	chr5_1852725
chr12	5043661	5043661	+	2.088E-22	6.40671E-21	0.271083	hyper	sig	chr12_5043661
chr7	88759958	88759958	+	2.091E-22	6.41649E-21	0.213677	hyper	sig	chr7_88759958
chr17	42685019	42685019	+	2.094E-22	6.42408E-21	0.273598	hyper	sig	chr17_42685019
chr12	9124653	9124653	+	2.098E-22	6.4368E-21	-0.28567	hypo	sig	chr12_9124653
chr17	79985993	79985993	+	2.104E-22	6.45592E-21	-0.21455	hypo	sig	chr17_79985993
chr11	64972277	64972277	+	2.107E-22	6.46296E-21	0.291442	hyper	sig	chr11_64972277
chr3	1.47E+08	147408175	+	2.108E-22	6.46489E-21	0.223693	hyper	sig	chr3_147408175
chr17	2058034	2058034	+	2.109E-22	6.46852E-21	0.236386	hyper	sig	chr17_2058034
chr1	1956856	1956856	+	2.109E-22	6.46935E-21	-0.21295	hypo	sig	chr1_1956856
chr9	37905116	37905116	+	2.112E-22	6.47656E-21	-0.32169	hypo	sig	chr9_37905116
chr1	90729947	90729947	+	2.115E-22	6.48584E-21	0.23928	hyper	sig	chr1_90729947
chr16	49281391	49281391	+	2.115E-22	6.48786E-21	0.21799	hyper	sig	chr16_49281391
chr1	90724417	90724417	+	2.118E-22	6.49465E-21	0.283557	hyper	sig	chr1_90724417
chr9	1.35E+08	134501216	+	2.12E-22	6.50213E-21	0.209683	hyper	sig	chr9_134501216
chr16	49278606	49278606	+	2.138E-22	6.55668E-21	0.292766	hyper	sig	chr16_49278606
chr16	85179343	85179343	+	2.14E-22	6.56145E-21	-0.2133	hypo	sig	chr16_85179343
chr13	52847490	52847490	+	2.144E-22	6.57237E-21	0.315728	hyper	sig	chr13_52847490
chr1	1.11E+08	110675665	+	2.146E-22	6.58027E-21	0.246784	hyper	sig	chr1_110675665
chr14	93788205	93788205	+	2.15E-22	6.5915E-21	0.239836	hyper	sig	chr14_93788205
chr2	91588200	91588200	+	2.154E-22	6.60419E-21	-0.26588	hypo	sig	chr2_91588200
chr21	26967531	26967531	+	2.156E-22	6.60863E-21	0.268795	hyper	sig	chr21_26967531
chr4	1404091	1404091	+	2.159E-22	6.61731E-21	0.248172	hyper	sig	chr4_1404091
chr6	31713785	31713785	+	2.163E-22	6.6289E-21	-0.22413	hypo	sig	chr6_31713785
chr1	1.01E+08	101237083	+	2.173E-22	6.66038E-21	0.229097	hyper	sig	chr1_101237083
chr14	1.05E+08	105065675	+	2.178E-22	6.67568E-21	-0.25059	hypo	sig	chr14_105065675
chr10	1.17E+08	117132120	+	2.179E-22	6.67648E-21	0.266605	hyper	sig	chr10_117132120
chr11	2156325	2156325	+	2.179E-22	6.67868E-21	-0.22005	hypo	sig	chr11_2156325
chr10	11443803	11443803	+	2.18E-22	6.68021E-21	-0.20983	hypo	sig	chr10_11443803
chr2	1654493	1654493	+	2.18E-22	6.68079E-21	-0.32338	hypo	sig	chr2_1654493
chr11	31825302	31825302	+	2.184E-22	6.69257E-21	0.234371	hyper	sig	chr11_31825302
chr12	80714257	80714257	+	2.19E-22	6.71028E-21	0.23242	hyper	sig	chr12_80714257
chr7	35971388	35971388	+	2.191E-22	6.71254E-21	-0.24053	hypo	sig	chr7_35971388
chr1	1.47E+08	147078991	+	2.192E-22	6.71539E-21	0.224341	hyper	sig	chr1_147078991
chr19	815090	815090	+	2.196E-22	6.72666E-21	-0.31632	hypo	sig	chr19_815090
chr12	53938934	53938934	+	2.196E-22	6.72802E-21	0.256162	hyper	sig	chr12_53938934
chr8	28316647	28316647	+	2.198E-22	6.732E-21	-0.28122	hypo	sig	chr8_28316647
chr3	1.54E+08	154428012	+	2.199E-22	6.73512E-21	0.276755	hyper	sig	chr3_154428012
chr6	28634965	28634965	+	2.207E-22	6.7592E-21	0.230651	hyper	sig	chr6_28634965
chr20	24469029	24469029	+	2.207E-22	6.75997E-21	0.241435	hyper	sig	chr20_24469029
chr16	57529483	57529483	+	2.208E-22	6.76195E-21	-0.21948	hypo	sig	chr16_57529483
chr3	1.33E+08	133038147	+	2.212E-22	6.77537E-21	0.257092	hyper	sig	chr3_133038147
chr7	546881	546881	+	2.216E-22	6.78566E-21	-0.23199	hypo	sig	chr7_546881
chr5	1.78E+08	177997266	+	2.217E-22	6.78963E-21	-0.26518	hypo	sig	chr5_177997266

chr13	1.08E+08	107866571	+	2.227E-22	6.81872E-21	0.216954	hyper	sig	chr13_107866571
chr19	56221563	56221563	+	2.227E-22	6.81885E-21	-0.25676	hypo	sig	chr19_56221563
chr1	90725428	90725428	+	2.228E-22	6.82139E-21	0.218192	hyper	sig	chr1_90725428
chr16	88436569	88436569	+	2.232E-22	6.8332E-21	-0.26583	hypo	sig	chr16_88436569
chr5	1.41E+08	141349984	+	2.237E-22	6.84884E-21	0.229893	hyper	sig	chr5_141349984
chr7	1.57E+08	157387361	+	2.239E-22	6.85356E-21	-0.20962	hypo	sig	chr7_157387361
chr16	2157864	2157864	+	2.239E-22	6.8555E-21	-0.21564	hypo	sig	chr16_2157864
chr1	1.58E+08	158181617	+	2.242E-22	6.8622E-21	0.221301	hyper	sig	chr1_158181617
chr7	1.59E+08	159065823	+	2.242E-22	6.8624E-21	-0.21608	hypo	sig	chr7_159065823
chr15	52795255	52795255	+	2.244E-22	6.86925E-21	0.260444	hyper	sig	chr15_52795255
chr5	1.46E+08	146379250	+	2.246E-22	6.8737E-21	0.242057	hyper	sig	chr5_146379250
chr3	44584975	44584975	+	2.247E-22	6.8763E-21	0.210626	hyper	sig	chr3_44584975
chr1	63320222	63320222	+	2.247E-22	6.87853E-21	0.247279	hyper	sig	chr1_63320222
chr19	11549426	11549426	+	2.251E-22	6.88776E-21	-0.20771	hypo	sig	chr19_11549426
chr19	57099329	57099329	+	2.255E-22	6.90117E-21	0.257523	hyper	sig	chr19_57099329
chr2	64643450	64643450	+	2.255E-22	6.90171E-21	-0.25302	hypo	sig	chr2_64643450
chr11	1.02E+08	101584099	+	2.256E-22	6.90451E-21	0.247918	hyper	sig	chr11_101584099
chr9	1.33E+08	133477458	+	2.258E-22	6.90826E-21	-0.21836	hypo	sig	chr9_133477458
chr17	16683704	16683704	+	2.264E-22	6.92759E-21	0.265246	hyper	sig	chr17_16683704
chr8	15540136	15540136	+	2.268E-22	6.93984E-21	0.322643	hyper	sig	chr8_15540136
chr4	963775	963775	+	2.27E-22	6.94583E-21	-0.22542	hypo	sig	chr4_963775
chr10	23173186	23173186	+	2.272E-22	6.95E-21	0.344492	hyper	sig	chr10_23173186
chr14	47675909	47675909	+	2.273E-22	6.95316E-21	0.311266	hyper	sig	chr14_47675909
chr7	45597621	45597621	+	2.273E-22	6.95316E-21	-0.28799	hypo	sig	chr7_45597621
chr7	561769	561769	+	2.282E-22	6.98082E-21	0.229212	hyper	sig	chr7_561769
chr14	24315613	24315613	+	2.284E-22	6.98529E-21	-0.23364	hypo	sig	chr14_24315613
chr2	2.42E+08	241645882	+	2.286E-22	6.99128E-21	0.253584	hyper	sig	chr2_241645882
chr7	1.5E+08	149715259	+	2.287E-22	6.99472E-21	0.250037	hyper	sig	chr7_149715259
chr8	55939594	55939594	+	2.29E-22	7.005E-21	0.276683	hyper	sig	chr8_55939594
chr15	26944699	26944699	+	2.292E-22	7.01118E-21	-0.29855	hypo	sig	chr15_26944699
chr17	41635424	41635424	+	2.294E-22	7.01462E-21	-0.24483	hypo	sig	chr17_41635424
chr2	1.32E+08	131802668	+	2.299E-22	7.02993E-21	0.209728	hyper	sig	chr2_131802668
chr2	2.31E+08	231401167	+	2.308E-22	7.0573E-21	0.294664	hyper	sig	chr2_231401167
chr17	81400604	81400604	+	2.309E-22	7.0598E-21	0.206561	hyper	sig	chr17_81400604
chr12	1.33E+08	132558304	+	2.313E-22	7.07077E-21	-0.2274	hypo	sig	chr12_132558304
chr1	98053768	98053768	+	2.319E-22	7.09044E-21	0.270694	hyper	sig	chr1_98053768
chr5	1.29E+08	128965635	+	2.32E-22	7.09339E-21	0.247035	hyper	sig	chr5_128965635
chr4	5890560	5890560	+	2.323E-22	7.10205E-21	0.303797	hyper	sig	chr4_5890560
chr3	1.54E+08	154428079	+	2.326E-22	7.11045E-21	0.290651	hyper	sig	chr3_154428079
chr16	29182027	29182027	+	2.331E-22	7.12654E-21	-0.20475	hypo	sig	chr16_29182027
chr15	52794627	52794627	+	2.337E-22	7.14398E-21	0.272394	hyper	sig	chr15_52794627
chr2	44803245	44803245	+	2.338E-22	7.14744E-21	0.341666	hyper	sig	chr2_44803245
chr7	1.55E+08	155167163	+	2.341E-22	7.15332E-21	-0.24754	hypo	sig	chr7_155167163
chr17	6713711	6713711	+	2.346E-22	7.16971E-21	0.288846	hyper	sig	chr17_6713711
chr2	2.19E+08	219332924	+	2.348E-22	7.174E-21	0.274467	hyper	sig	chr2_219332924
chr1	2433898	2433898	+	2.361E-22	7.21443E-21	-0.22323	hypo	sig	chr1_2433898
chr20	21608455	21608455	+	2.362E-22	7.2156E-21	-0.31208	hypo	sig	chr20_21608455
chr17	81941555	81941555	+	2.367E-22	7.23077E-21	-0.23481	hypo	sig	chr17_81941555
chr20	21704837	21704837	+	2.368E-22	7.23382E-21	0.28222	hyper	sig	chr20_21704837
chr11	1.3E+08	129743826	+	2.369E-22	7.23654E-21	-0.29635	hypo	sig	chr11_129743826
chr7	24283855	24283855	+	2.374E-22	7.25083E-21	0.390237	hyper	sig	chr7_24283855
chr19	37817469	37817469	+	2.374E-22	7.25288E-21	0.297989	hyper	sig	chr19_37817469
chr20	62311056	62311056	+	2.379E-22	7.26601E-21	-0.22821	hypo	sig	chr20_62311056
chr11	1047674	1047674	+	2.387E-22	7.29148E-21	-0.20964	hypo	sig	chr11_1047674
chr2	1.3E+08	130005983	+	2.388E-22	7.29215E-21	0.240544	hyper	sig	chr2_130005983
chr5	3606463	3606463	+	2.395E-22	7.31542E-21	0.267671	hyper	sig	chr5_3606463

chr1	35577510	35577510	+	2.396E-22	7.31667E-21	0.237943	hyper	sig	chr1_35577510
chr11	32427892	32427892	+	2.396E-22	7.31667E-21	0.286877	hyper	sig	chr11_32427892
chr7	23247756	23247756	+	2.396E-22	7.31751E-21	0.203352	hyper	sig	chr7_23247756
chr1	38044459	38044459	+	2.403E-22	7.3365E-21	0.238977	hyper	sig	chr1_38044459
chr3	42265032	42265032	+	2.405E-22	7.34298E-21	0.27965	hyper	sig	chr3_42265032
chr6	1.69E+08	169020553	+	2.408E-22	7.35341E-21	-0.30254	hypo	sig	chr6_169020553
chr19	16283823	16283823	+	2.413E-22	7.36644E-21	0.237881	hyper	sig	chr19_16283823
chr16	1908653	1908653	+	2.413E-22	7.3681E-21	-0.29684	hypo	sig	chr16_1908653
chr3	75907016	75907016	+	2.415E-22	7.37182E-21	0.291144	hyper	sig	chr3_75907016
chr5	1.41E+08	141421915	+	2.417E-22	7.37826E-21	0.227861	hyper	sig	chr5_141421915
chr1	38476248	38476248	+	2.423E-22	7.39724E-21	0.256691	hyper	sig	chr1_38476248
chr13	25372749	25372749	+	2.427E-22	7.40865E-21	0.380352	hyper	sig	chr13_25372749
chr8	1.08E+08	108082628	+	2.439E-22	7.44327E-21	0.352683	hyper	sig	chr8_108082628
chr1	52843562	52843562	+	2.441E-22	7.45024E-21	0.327122	hyper	sig	chr1_52843562
chr12	24903286	24903286	+	2.444E-22	7.45867E-21	0.29993	hyper	sig	chr12_24903286
chr19	57888793	57888793	+	2.449E-22	7.47274E-21	0.223431	hyper	sig	chr19_57888793
chr7	19106891	19106891	+	2.449E-22	7.47495E-21	0.231297	hyper	sig	chr7_19106891
chr20	63845215	63845215	+	2.453E-22	7.48613E-21	-0.24459	hypo	sig	chr20_63845215
chr12	1.29E+08	129337714	+	2.456E-22	7.49366E-21	-0.25124	hypo	sig	chr12_129337714
chr2	86790296	86790296	+	2.457E-22	7.49669E-21	0.230279	hyper	sig	chr2_86790296
chr2	1.28E+08	127681573	+	2.462E-22	7.51097E-21	-0.316	hypo	sig	chr2_127681573
chr5	2749659	2749659	+	2.462E-22	7.5123E-21	0.253055	hyper	sig	chr5_2749659
chr12	62192484	62192484	+	2.466E-22	7.52526E-21	0.360137	hyper	sig	chr12_62192484
chr2	40451964	40451964	+	2.467E-22	7.52585E-21	0.326025	hyper	sig	chr2_40451964
chr11	31804196	31804196	+	2.47E-22	7.5352E-21	0.219573	hyper	sig	chr11_31804196
chr2	10331314	10331314	+	2.475E-22	7.55127E-21	-0.2807	hypo	sig	chr2_10331314
chr17	80450464	80450464	+	2.476E-22	7.55428E-21	-0.25309	hypo	sig	chr17_80450464
chr4	1.84E+08	183907250	+	2.481E-22	7.56906E-21	0.249651	hyper	sig	chr4_183907250
chr12	1.32E+08	132287394	+	2.482E-22	7.57151E-21	0.229878	hyper	sig	chr12_132287394
chr15	93041733	93041733	+	2.484E-22	7.57554E-21	-0.21619	hypo	sig	chr15_93041733
chr3	52779843	52779843	+	2.485E-22	7.57768E-21	-0.24393	hypo	sig	chr3_52779843
chr10	1.01E+08	101227782	+	2.485E-22	7.578E-21	0.256812	hyper	sig	chr10_101227782
chr5	1.74E+08	174311109	+	2.497E-22	7.61637E-21	-0.30616	hypo	sig	chr5_174311109
chr20	25083234	25083234	+	2.498E-22	7.61746E-21	0.291676	hyper	sig	chr20_25083234
chr3	1.38E+08	137771843	+	2.498E-22	7.61815E-21	0.23324	hyper	sig	chr3_137771843
chr19	53058175	53058175	+	2.508E-22	7.64687E-21	0.326222	hyper	sig	chr19_53058175
chr6	1.67E+08	166871037	+	2.509E-22	7.64983E-21	-0.21294	hypo	sig	chr6_166871037
chr8	70071546	70071546	+	2.511E-22	7.65491E-21	0.259259	hyper	sig	chr8_70071546
chr6	27681051	27681051	+	2.519E-22	7.68037E-21	0.326323	hyper	sig	chr6_27681051
chr15	74133154	74133154	+	2.528E-22	7.70604E-21	0.367703	hyper	sig	chr15_74133154
chr2	2.41E+08	240816535	+	2.531E-22	7.71432E-21	-0.24401	hypo	sig	chr2_240816535
chr14	24315644	24315644	+	2.531E-22	7.71477E-21	-0.25897	hypo	sig	chr14_24315644
chr14	28768308	28768308	+	2.534E-22	7.72355E-21	0.266987	hyper	sig	chr14_28768308
chr7	64495381	64495381	+	2.535E-22	7.72677E-21	0.297984	hyper	sig	chr7_64495381
chr1	2.29E+08	229407286	+	2.537E-22	7.7325E-21	0.254857	hyper	sig	chr1_229407286
chr3	1.47E+08	147410873	+	2.539E-22	7.73936E-21	0.216169	hyper	sig	chr3_147410873
chr3	62370678	62370678	+	2.54E-22	7.74081E-21	0.264015	hyper	sig	chr3_62370678
chr1	38476262	38476262	+	2.549E-22	7.76821E-21	0.262331	hyper	sig	chr1_38476262
chr4	1.66E+08	165874497	+	2.561E-22	7.8039E-21	0.254886	hyper	sig	chr4_165874497
chr10	99232925	99232925	+	2.561E-22	7.80444E-21	0.21955	hyper	sig	chr10_99232925
chr6	1.08E+08	108174729	+	2.562E-22	7.80622E-21	0.260158	hyper	sig	chr6_108174729
chr17	39165306	39165306	+	2.563E-22	7.80862E-21	0.376607	hyper	sig	chr17_39165306
chr3	50322482	50322482	+	2.565E-22	7.8135E-21	-0.21303	hypo	sig	chr3_50322482
chr16	1256953	1256953	+	2.565E-22	7.81352E-21	-0.23825	hypo	sig	chr16_1256953
chr17	81125977	81125977	+	2.567E-22	7.82078E-21	-0.2194	hypo	sig	chr17_81125977
chr17	3660448	3660448	+	2.57E-22	7.82771E-21	-0.2044	hypo	sig	chr17_3660448

chr17	63533981	63533981	+	2.571E-22	7.83141E-21	-0.23291	hypo	sig	chr17_63533981
chr10	99531221	99531221	+	2.58E-22	7.85919E-21	0.22984	hyper	sig	chr10_99531221
chr2	2.32E+08	231927076	+	2.583E-22	7.8673E-21	0.256313	hyper	sig	chr2_231927076
chr12	85278033	85278033	+	2.583E-22	7.86814E-21	0.22461	hyper	sig	chr12_85278033
chr6	10384909	10384909	+	2.59E-22	7.88746E-21	0.282647	hyper	sig	chr6_10384909
chr8	1.34E+08	134478593	+	2.617E-22	7.97029E-21	-0.21128	hypo	sig	chr8_134478593
chr4	7650223	7650223	+	2.62E-22	7.97679E-21	-0.21382	hypo	sig	chr4_7650223
chr2	1.92E+08	192194745	+	2.628E-22	8.00062E-21	0.249386	hyper	sig	chr2_192194745
chr6	27680552	27680552	+	2.63E-22	8.00652E-21	0.268049	hyper	sig	chr6_27680552
chr19	40224499	40224499	+	2.632E-22	8.01328E-21	-0.34909	hypo	sig	chr19_40224499
chr19	1429652	1429652	+	2.633E-22	8.01552E-21	-0.25749	hypo	sig	chr19_1429652
chr2	2.41E+08	241187265	+	2.634E-22	8.01722E-21	-0.27369	hypo	sig	chr2_241187265
chr19	49433015	49433015	+	2.644E-22	8.0473E-21	0.282434	hyper	sig	chr19_49433015
chr16	86508071	86508071	+	2.648E-22	8.05847E-21	0.253138	hyper	sig	chr16_86508071
chr5	674487	674487	+	2.648E-22	8.05924E-21	-0.2181	hypo	sig	chr5_674487
chr7	97731847	97731847	+	2.654E-22	8.07846E-21	0.232426	hyper	sig	chr7_97731847
chr4	1.07E+08	107035130	+	2.657E-22	8.08543E-21	0.22724	hyper	sig	chr4_107035130
chr4	212550	212550	+	2.659E-22	8.09146E-21	0.220174	hyper	sig	chr4_212550
chr15	82647472	82647472	+	2.66E-22	8.09328E-21	0.243815	hyper	sig	chr15_82647472
chr11	79439278	79439278	+	2.661E-22	8.09765E-21	0.276421	hyper	sig	chr11_79439278
chr11	1.18E+08	117987257	+	2.666E-22	8.1118E-21	-0.25796	hypo	sig	chr11_117987257
chr18	21243294	21243294	+	2.674E-22	8.13443E-21	0.200792	hyper	sig	chr18_21243294
chr7	44217506	44217506	+	2.677E-22	8.14568E-21	-0.28268	hypo	sig	chr7_44217506
chr7	220165	220165	+	2.682E-22	8.15928E-21	-0.2275	hypo	sig	chr7_220165
chr2	10042998	10042998	+	2.688E-22	8.17589E-21	0.204589	hyper	sig	chr2_10042998
chr1	1.11E+08	111271179	+	2.693E-22	8.19221E-21	0.287503	hyper	sig	chr1_111271179
chr4	4864403	4864403	+	2.7E-22	8.21089E-21	0.228701	hyper	sig	chr4_4864403
chr3	46844488	46844488	+	2.7E-22	8.21138E-21	-0.271	hypo	sig	chr3_46844488
chr5	1.77E+08	176619893	+	2.705E-22	8.22563E-21	0.24661	hyper	sig	chr5_176619893
chr4	3285986	3285986	+	2.707E-22	8.23238E-21	-0.25576	hypo	sig	chr4_3285986
chr13	1.1E+08	110309527	+	2.709E-22	8.23783E-21	0.237531	hyper	sig	chr13_110309527
chr7	15687816	15687816	+	2.711E-22	8.24357E-21	0.209447	hyper	sig	chr7_15687816
chr2	31580801	31580801	+	2.712E-22	8.24724E-21	0.299894	hyper	sig	chr2_31580801
chr7	1566594	1566594	+	2.713E-22	8.24918E-21	-0.24163	hypo	sig	chr7_1566594
chr15	26771656	26771656	+	2.714E-22	8.25094E-21	0.234018	hyper	sig	chr15_26771656
chr19	58155465	58155465	+	2.717E-22	8.26187E-21	0.265064	hyper	sig	chr19_58155465
chr19	57363999	57363999	+	2.721E-22	8.27345E-21	0.221937	hyper	sig	chr19_57363999
chr8	71558521	71558521	+	2.722E-22	8.27444E-21	0.212632	hyper	sig	chr8_71558521
chr4	1.84E+08	184268147	+	2.723E-22	8.2778E-21	-0.35749	hypo	sig	chr4_184268147
chr9	1.33E+08	133205674	+	2.73E-22	8.29888E-21	-0.29204	hypo	sig	chr9_133205674
chr7	43442375	43442375	+	2.733E-22	8.30891E-21	-0.25369	hypo	sig	chr7_43442375
chr8	1.42E+08	142180799	+	2.733E-22	8.30891E-21	-0.24263	hypo	sig	chr8_142180799
chr13	25171869	25171869	+	2.741E-22	8.33087E-21	0.22027	hyper	sig	chr13_25171869
chr5	1.7E+08	169637656	+	2.741E-22	8.33087E-21	0.280818	hyper	sig	chr5_169637656
chr1	3607085	3607085	+	2.741E-22	8.33199E-21	-0.25711	hypo	sig	chr1_3607085
chr17	42685055	42685055	+	2.743E-22	8.33619E-21	0.245675	hyper	sig	chr17_42685055
chr14	64541923	64541923	+	2.745E-22	8.34193E-21	0.230677	hyper	sig	chr14_64541923
chr1	1554858	1554858	+	2.751E-22	8.35861E-21	-0.28318	hypo	sig	chr1_1554858
chr15	64894262	64894262	+	2.754E-22	8.36833E-21	0.230669	hyper	sig	chr15_64894262
chr6	32056697	32056697	+	2.757E-22	8.37596E-21	-0.28252	hypo	sig	chr6_32056697
chr16	89608171	89608171	+	2.757E-22	8.37651E-21	-0.23585	hypo	sig	chr16_89608171
chr7	1.58E+08	157668611	+	2.757E-22	8.37651E-21	0.225896	hyper	sig	chr7_157668611
chr7	1.03E+08	102606014	+	2.767E-22	8.40605E-21	-0.32001	hypo	sig	chr7_102606014
chr1	1.53E+08	152699231	+	2.767E-22	8.40642E-21	-0.25577	hypo	sig	chr1_152699231
chr4	1.77E+08	176792177	+	2.769E-22	8.41124E-21	0.226003	hyper	sig	chr4_176792177
chr3	38634372	38634372	+	2.771E-22	8.41819E-21	-0.20993	hypo	sig	chr3_38634372

chr19	48837259	48837259	+	2.788E-22	8.46847E-21	0.261506	hyper	sig	chr19_48837259
chr19	861889	861889	+	2.789E-22	8.46932E-21	-0.23285	hypo	sig	chr19_861889
chr19	52493325	52493325	+	2.789E-22	8.47141E-21	0.289169	hyper	sig	chr19_52493325
chr20	56924533	56924533	+	2.791E-22	8.47465E-21	0.264534	hyper	sig	chr20_56924533
chr7	1.58E+08	157683879	+	2.791E-22	8.47465E-21	0.251807	hyper	sig	chr7_157683879
chr9	1.35E+08	134797218	+	2.792E-22	8.47722E-21	-0.2696	hypo	sig	chr9_134797218
chr8	1.16E+08	115667559	+	2.793E-22	8.48271E-21	0.224314	hyper	sig	chr8_115667559
chr7	1.57E+08	157499174	+	2.795E-22	8.48679E-21	-0.22134	hypo	sig	chr7_157499174
chr4	92305817	92305817	+	2.796E-22	8.48851E-21	0.202353	hyper	sig	chr4_92305817
chr7	1.5E+08	150221158	+	2.797E-22	8.49154E-21	0.210316	hyper	sig	chr7_150221158
chr5	1.59E+08	159104551	+	2.797E-22	8.49305E-21	0.28772	hyper	sig	chr5_159104551
chr20	2403715	2403715	+	2.805E-22	8.51533E-21	-0.21716	hypo	sig	chr20_2403715
chr6	1.7E+08	169659530	+	2.806E-22	8.51882E-21	0.229068	hyper	sig	chr6_169659530
chr7	1.51E+08	151014113	+	2.807E-22	8.52174E-21	0.258635	hyper	sig	chr7_151014113
chr5	1.56E+08	155728968	+	2.808E-22	8.52379E-21	0.334126	hyper	sig	chr5_155728968
chr11	1344244	1344244	+	2.82E-22	8.56045E-21	-0.20042	hypo	sig	chr11_1344244
chr13	35478493	35478493	+	2.828E-22	8.58443E-21	0.302577	hyper	sig	chr13_35478493
chr15	71125654	71125654	+	2.829E-22	8.58527E-21	0.220979	hyper	sig	chr15_71125654
chr15	67826183	67826183	+	2.831E-22	8.59108E-21	0.228481	hyper	sig	chr15_67826183
chr13	1.14E+08	114015307	+	2.831E-22	8.59213E-21	-0.21081	hypo	sig	chr13_114015307
chr3	535996	535996	+	2.831E-22	8.59291E-21	0.250199	hyper	sig	chr3_535996
chr8	1.43E+08	142515395	+	2.835E-22	8.60405E-21	-0.24879	hypo	sig	chr8_142515395
chr10	1.33E+08	132851560	+	2.844E-22	8.62985E-21	-0.25825	hypo	sig	chr10_132851560
chr19	57947493	57947493	+	2.849E-22	8.64539E-21	0.202855	hyper	sig	chr19_57947493
chr7	1.5E+08	150341509	+	2.849E-22	8.64554E-21	0.242847	hyper	sig	chr7_150341509
chr15	26866552	26866552	+	2.861E-22	8.68169E-21	0.257953	hyper	sig	chr15_26866552
chr6	28817024	28817024	+	2.862E-22	8.6822E-21	0.307428	hyper	sig	chr6_28817024
chr5	11903136	11903136	+	2.862E-22	8.68415E-21	0.262327	hyper	sig	chr5_11903136
chr16	51150912	51150912	+	2.863E-22	8.68552E-21	0.261576	hyper	sig	chr16_51150912
chr6	1.44E+08	144146194	+	2.863E-22	8.68599E-21	-0.26213	hypo	sig	chr6_144146194
chr1	33307173	33307173	+	2.872E-22	8.71109E-21	0.251431	hyper	sig	chr1_33307173
chr11	1.34E+08	134043973	+	2.874E-22	8.7175E-21	-0.30045	hypo	sig	chr11_134043973
chr3	43998449	43998449	+	2.874E-22	8.7175E-21	0.210516	hyper	sig	chr3_43998449
chr1	1.81E+08	181318643	+	2.876E-22	8.72159E-21	0.252128	hyper	sig	chr1_181318643
chr4	17781744	17781744	+	2.883E-22	8.74486E-21	0.202321	hyper	sig	chr4_17781744
chr11	30017480	30017480	+	2.885E-22	8.75058E-21	0.299226	hyper	sig	chr11_30017480
chr6	1.68E+08	168280999	+	2.888E-22	8.757E-21	-0.22732	hypo	sig	chr6_168280999
chr20	63417499	63417499	+	2.891E-22	8.76667E-21	-0.22403	hypo	sig	chr20_63417499
chr10	99234404	99234404	+	2.891E-22	8.7675E-21	0.367633	hyper	sig	chr10_99234404
chr1	29925203	29925203	+	2.898E-22	8.78675E-21	-0.26061	hypo	sig	chr1_29925203
chr6	29828173	29828173	+	2.904E-22	8.80337E-21	0.228517	hyper	sig	chr6_29828173
chr16	1991581	1991581	+	2.904E-22	8.80383E-21	0.302899	hyper	sig	chr16_1991581
chr8	1.42E+08	142180730	+	2.908E-22	8.81578E-21	-0.24135	hypo	sig	chr8_142180730
chr4	41867534	41867534	+	2.911E-22	8.82371E-21	0.226421	hyper	sig	chr4_41867534
chr14	1.04E+08	104180123	+	2.913E-22	8.83219E-21	-0.22091	hypo	sig	chr14_104180123
chr6	1.37E+08	137497224	+	2.915E-22	8.83754E-21	0.234503	hyper	sig	chr6_137497224
chr15	25804632	25804632	+	2.927E-22	8.87071E-21	-0.20876	hypo	sig	chr15_25804632
chr5	1.19E+08	119355498	+	2.927E-22	8.87238E-21	-0.29902	hypo	sig	chr5_119355498
chr4	5051156	5051156	+	2.932E-22	8.8877E-21	0.343778	hyper	sig	chr4_5051156
chr22	41667098	41667098	+	2.933E-22	8.8887E-21	-0.28076	hypo	sig	chr22_41667098
chr2	9212911	9212911	+	2.934E-22	8.89117E-21	-0.23258	hypo	sig	chr2_9212911
chr17	78997510	78997510	+	2.937E-22	8.89942E-21	-0.24811	hypo	sig	chr17_78997510
chr5	490532	490532	+	2.937E-22	8.89942E-21	-0.20579	hypo	sig	chr5_490532
chr13	22926246	22926246	+	2.939E-22	8.90612E-21	0.327808	hyper	sig	chr13_22926246
chr2	44943215	44943215	+	2.94E-22	8.90767E-21	0.264701	hyper	sig	chr2_44943215
chr2	2.41E+08	240672645	+	2.945E-22	8.92443E-21	0.232405	hyper	sig	chr2_240672645

chr7	1.55E+08	154913205	+	2.947E-22	8.93088E-21	-0.21837	hypo	sig	chr7_154913205
chr7	45922491	45922491	+	2.953E-22	8.94783E-21	0.215361	hyper	sig	chr7_45922491
chr8	23706546	23706546	+	2.956E-22	8.95517E-21	0.280226	hyper	sig	chr8_23706546
chr15	89360450	89360450	+	2.956E-22	8.9553E-21	0.248789	hyper	sig	chr15_89360450
chr8	1.42E+08	141522082	+	2.961E-22	8.96924E-21	-0.28024	hypo	sig	chr8_141522082
chr7	57868077	57868077	+	2.964E-22	8.9789E-21	0.315543	hyper	sig	chr7_57868077
chr19	18878162	18878162	+	2.965E-22	8.98038E-21	-0.32987	hypo	sig	chr19_18878162
chr12	3493031	3493031	+	2.968E-22	8.99065E-21	0.276451	hyper	sig	chr12_3493031
chr13	1.08E+08	107866030	+	2.969E-22	8.99329E-21	0.298984	hyper	sig	chr13_107866030
chr1	18631828	18631828	+	2.971E-22	8.99709E-21	0.218357	hyper	sig	chr1_18631828
chr4	53354302	53354302	+	2.971E-22	8.99715E-21	-0.21862	hypo	sig	chr4_53354302
chr1	2.07E+08	207496562	+	2.987E-22	9.04501E-21	0.215384	hyper	sig	chr1_207496562
chr4	1.13E+08	112511602	+	2.998E-22	9.07744E-21	0.201057	hyper	sig	chr4_112511602
chr18	47249097	47249097	+	3E-22	9.08542E-21	0.249014	hyper	sig	chr18_47249097
chr8	56113742	56113742	+	3.006E-22	9.10335E-21	0.238341	hyper	sig	chr8_56113742
chr13	1.1E+08	110454851	+	3.011E-22	9.11583E-21	-0.21009	hypo	sig	chr13_110454851
chr7	35971341	35971341	+	3.014E-22	9.12519E-21	-0.23219	hypo	sig	chr7_35971341
chr16	54290305	54290305	+	3.017E-22	9.1325E-21	0.227573	hyper	sig	chr16_54290305
chr2	1.27E+08	127206077	+	3.038E-22	9.19607E-21	-0.29415	hypo	sig	chr2_127206077
chr5	1.32E+08	132271360	+	3.043E-22	9.21183E-21	-0.27443	hypo	sig	chr5_132271360
chr3	26622926	26622926	+	3.044E-22	9.21295E-21	0.226771	hyper	sig	chr3_26622926
chr3	1.38E+08	137763379	+	3.048E-22	9.22427E-21	0.3019	hyper	sig	chr3_137763379
chr17	52159376	52159376	+	3.048E-22	9.22452E-21	0.232995	hyper	sig	chr17_52159376
chr1	1242601	1242601	+	3.057E-22	9.25067E-21	-0.23921	hypo	sig	chr1_1242601
chr6	1.05E+08	104953009	+	3.057E-22	9.25122E-21	0.250936	hyper	sig	chr6_104953009
chr15	74434323	74434323	+	3.06E-22	9.25873E-21	0.264442	hyper	sig	chr15_74434323
chr10	49396519	49396519	+	3.064E-22	9.27198E-21	0.22746	hyper	sig	chr10_49396519
chr10	70283809	70283809	+	3.068E-22	9.28351E-21	0.31559	hyper	sig	chr10_70283809
chr4	3872086	3872086	+	3.069E-22	9.28467E-21	0.219393	hyper	sig	chr4_3872086
chr7	27101744	27101744	+	3.08E-22	9.31678E-21	0.242541	hyper	sig	chr7_27101744
chr8	56446218	56446218	+	3.081E-22	9.32024E-21	0.358604	hyper	sig	chr8_56446218
chr2	1.19E+08	118857439	+	3.083E-22	9.32649E-21	0.224059	hyper	sig	chr2_118857439
chr5	2747859	2747859	+	3.085E-22	9.3311E-21	0.201695	hyper	sig	chr5_2747859
chr7	1.58E+08	158395993	+	3.107E-22	9.39608E-21	-0.25497	hypo	sig	chr7_158395993
chr12	53945102	53945102	+	3.108E-22	9.39979E-21	0.208704	hyper	sig	chr12_53945102
chr10	1.3E+08	129869689	+	3.112E-22	9.41016E-21	-0.20638	hypo	sig	chr10_129869689
chr8	15540128	15540128	+	3.114E-22	9.41577E-21	0.334278	hyper	sig	chr8_15540128
chr6	30987095	30987095	+	3.118E-22	9.42775E-21	-0.29055	hypo	sig	chr6_30987095
chr11	15941386	15941386	+	3.124E-22	9.4456E-21	0.217439	hyper	sig	chr11_15941386
chr6	1.59E+08	159169027	+	3.13E-22	9.46476E-21	0.208515	hyper	sig	chr6_159169027
chr19	37251929	37251929	+	3.131E-22	9.46648E-21	0.240866	hyper	sig	chr19_37251929
chr10	13891673	13891673	+	3.132E-22	9.46914E-21	0.269151	hyper	sig	chr10_13891673
chr16	2212742	2212742	+	3.139E-22	9.48951E-21	-0.21291	hypo	sig	chr16_2212742
chr22	17583476	17583476	+	3.14E-22	9.49328E-21	-0.26046	hypo	sig	chr22_17583476
chr8	1523984	1523984	+	3.14E-22	9.4937E-21	-0.20273	hypo	sig	chr8_1523984
chr6	1.68E+08	168444026	+	3.142E-22	9.49676E-21	0.242604	hyper	sig	chr6_168444026
chr16	31216978	31216978	+	3.15E-22	9.52265E-21	0.218734	hyper	sig	chr16_31216978
chr6	1.7E+08	170423141	+	3.164E-22	9.56275E-21	0.212894	hyper	sig	chr6_170423141
chr5	1.35E+08	135490128	+	3.165E-22	9.56452E-21	0.208632	hyper	sig	chr5_135490128
chr7	1.58E+08	157769187	+	3.166E-22	9.56893E-21	-0.21279	hypo	sig	chr7_157769187
chr18	13136311	13136311	+	3.171E-22	9.58408E-21	-0.20123	hypo	sig	chr18_13136311
chr15	25242967	25242967	+	3.173E-22	9.58788E-21	-0.21566	hypo	sig	chr15_25242967
chr13	24932053	24932053	+	3.173E-22	9.58796E-21	0.235118	hyper	sig	chr13_24932053
chr11	71615572	71615572	+	3.176E-22	9.59819E-21	-0.24792	hypo	sig	chr11_71615572
chr12	1.31E+08	131095927	+	3.183E-22	9.61648E-21	-0.23685	hypo	sig	chr12_131095927
chr12	54031298	54031298	+	3.183E-22	9.61694E-21	0.288748	hyper	sig	chr12_54031298

chr4	1.74E+08	173527568	+	3.19E-22	9.63718E-21	0.225315	hyper	sig	chr4_173527568
chr20	21514868	21514868	+	3.19E-22	9.63806E-21	0.218982	hyper	sig	chr20_21514868
chr1	1.48E+08	148310439	+	3.201E-22	9.66951E-21	0.203937	hyper	sig	chr1_148310439
chr2	96527502	96527502	+	3.208E-22	9.68991E-21	0.280673	hyper	sig	chr2_96527502
chr14	1.06E+08	105769873	+	3.21E-22	9.69625E-21	-0.25562	hypo	sig	chr14_105769873
chr1	2.1E+08	209937855	+	3.213E-22	9.70465E-21	0.282164	hyper	sig	chr1_209937855
chr2	1.27E+08	126888943	+	3.214E-22	9.70702E-21	-0.25539	hypo	sig	chr2_126888943
chr13	24932024	24932024	+	3.214E-22	9.70802E-21	0.266766	hyper	sig	chr13_24932024
chr5	1.33E+08	132748310	+	3.223E-22	9.7335E-21	-0.32846	hypo	sig	chr5_132748310
chr2	17649478	17649478	+	3.225E-22	9.73935E-21	-0.22067	hypo	sig	chr2_17649478
chr2	38038492	38038492	+	3.228E-22	9.74729E-21	0.267431	hyper	sig	chr2_38038492
chr7	1.51E+08	151390992	+	3.232E-22	9.75952E-21	-0.36332	hypo	sig	chr7_151390992
chr16	54288436	54288436	+	3.236E-22	9.77117E-21	0.313175	hyper	sig	chr16_54288436
chr8	11853374	11853374	+	3.236E-22	9.77193E-21	-0.28728	hypo	sig	chr8_11853374
chr5	1.54E+08	154473981	+	3.241E-22	9.78694E-21	0.226734	hyper	sig	chr5_154473981
chr9	1.33E+08	133475106	+	3.243E-22	9.79128E-21	-0.28537	hypo	sig	chr9_133475106
chr21	33071800	33071800	+	3.243E-22	9.79277E-21	0.222024	hyper	sig	chr21_33071800
chr2	95025285	95025285	+	3.246E-22	9.79886E-21	0.298626	hyper	sig	chr2_95025285
chr6	29792107	29792107	+	3.248E-22	9.80523E-21	0.271838	hyper	sig	chr6_29792107
chr4	3772094	3772094	+	3.252E-22	9.81592E-21	-0.23727	hypo	sig	chr4_3772094
chr3	48661639	48661639	+	3.253E-22	9.8193E-21	0.216365	hyper	sig	chr3_48661639
chr16	3305127	3305127	+	3.258E-22	9.83461E-21	0.340764	hyper	sig	chr16_3305127
chr17	48579162	48579162	+	3.259E-22	9.83573E-21	-0.2801	hypo	sig	chr17_48579162
chr12	1.15E+08	114687293	+	3.265E-22	9.85548E-21	0.205271	hyper	sig	chr12_114687293
chr11	67665471	67665471	+	3.276E-22	9.88667E-21	-0.26641	hypo	sig	chr11_67665471
chr14	41605252	41605252	+	3.277E-22	9.89115E-21	0.289365	hyper	sig	chr14_41605252
chr4	1.82E+08	182142381	+	3.292E-22	9.93482E-21	0.25819	hyper	sig	chr4_182142381
chr6	1.7E+08	170134649	+	3.297E-22	9.94839E-21	-0.29522	hypo	sig	chr6_170134649
chr2	2016165	2016165	+	3.311E-22	9.99176E-21	-0.22521	hypo	sig	chr2_2016165
chr20	21517525	21517525	+	3.324E-22	1.00298E-20	0.305817	hyper	sig	chr20_21517525
chr17	80478190	80478190	+	3.332E-22	1.00523E-20	0.20876	hyper	sig	chr17_80478190
chr2	1.76E+08	176124787	+	3.332E-22	1.00525E-20	-0.21367	hypo	sig	chr2_176124787
chr6	37650309	37650309	+	3.332E-22	1.00531E-20	0.210677	hyper	sig	chr6_37650309
chr14	23386776	23386776	+	3.334E-22	1.00572E-20	-0.26163	hypo	sig	chr14_23386776
chr2	2.13E+08	212542236	+	3.336E-22	1.00633E-20	-0.29658	hypo	sig	chr2_212542236
chr7	27106451	27106451	+	3.336E-22	1.00633E-20	0.275623	hyper	sig	chr7_27106451
chr5	1.73E+08	173234030	+	3.338E-22	1.00688E-20	0.293246	hyper	sig	chr5_173234030
chr13	1.12E+08	112053558	+	3.339E-22	1.00707E-20	0.285065	hyper	sig	chr13_112053558
chr20	30891878	30891878	+	3.341E-22	1.00777E-20	0.293681	hyper	sig	chr20_30891878
chr1	1.47E+08	147078871	+	3.353E-22	1.01136E-20	0.254256	hyper	sig	chr1_147078871
chr1	1.75E+08	175077749	+	3.357E-22	1.01227E-20	-0.30516	hypo	sig	chr1_175077749
chr22	35542318	35542318	+	3.359E-22	1.01289E-20	-0.32381	hypo	sig	chr22_35542318
chr11	1.18E+08	117514970	+	3.362E-22	1.0137E-20	-0.23899	hypo	sig	chr11_117514970
chr5	51387646	51387646	+	3.362E-22	1.01382E-20	0.209655	hyper	sig	chr5_51387646
chr6	32056065	32056065	+	3.365E-22	1.01465E-20	-0.25034	hypo	sig	chr6_32056065
chr10	23200988	23200988	+	3.367E-22	1.01539E-20	0.231661	hyper	sig	chr10_23200988
chr9	37027255	37027255	+	3.369E-22	1.01578E-20	0.282782	hyper	sig	chr9_37027255
chr1	6244198	6244198	+	3.373E-22	1.01683E-20	0.208588	hyper	sig	chr1_6244198
chr6	83853138	83853138	+	3.376E-22	1.01773E-20	0.203604	hyper	sig	chr6_83853138
chr1	2E+08	200038738	+	3.378E-22	1.01851E-20	0.35965	hyper	sig	chr1_200038738
chr15	55741822	55741822	+	3.38E-22	1.01879E-20	0.248523	hyper	sig	chr15_55741822
chr2	1.24E+08	124025305	+	3.38E-22	1.01887E-20	0.24639	hyper	sig	chr2_124025305
chr17	81392405	81392405	+	3.381E-22	1.01906E-20	0.271947	hyper	sig	chr17_81392405
chr7	1.3E+08	130380255	+	3.382E-22	1.01948E-20	-0.22475	hypo	sig	chr7_130380255
chr13	36431941	36431941	+	3.388E-22	1.02109E-20	0.352838	hyper	sig	chr13_36431941
chr7	1.58E+08	157692528	+	3.388E-22	1.0212E-20	0.276792	hyper	sig	chr7_157692528

chr5	1.41E+08	140848783	+	3.393E-22	1.02253E-20	0.232715	hyper	sig	chr5_140848783
chr3	1.47E+08	147423350	+	3.398E-22	1.02411E-20	0.223359	hyper	sig	chr3_147423350
chr3	1.72E+08	172448384	+	3.398E-22	1.0242E-20	0.232137	hyper	sig	chr3_172448384
chr16	2182421	2182421	+	3.404E-22	1.02582E-20	-0.29267	hypo	sig	chr16_2182421
chr5	1.11E+08	111070926	+	3.405E-22	1.02612E-20	0.246587	hyper	sig	chr5_111070926
chr12	1.25E+08	124543771	+	3.406E-22	1.02625E-20	0.238482	hyper	sig	chr12_124543771
chr3	68007821	68007821	+	3.406E-22	1.02625E-20	0.251942	hyper	sig	chr3_68007821
chr1	1.19E+08	118986771	+	3.413E-22	1.02824E-20	0.236485	hyper	sig	chr1_118986771
chr16	4332071	4332071	+	3.414E-22	1.0286E-20	-0.22699	hypo	sig	chr16_4332071
chr1	2456409	2456409	+	3.419E-22	1.02996E-20	-0.25752	hypo	sig	chr1_2456409
chr10	7412012	7412012	+	3.422E-22	1.03085E-20	0.333905	hyper	sig	chr10_7412012
chr16	57667543	57667543	+	3.422E-22	1.03096E-20	-0.2421	hypo	sig	chr16_57667543
chr18	45775707	45775707	+	3.423E-22	1.03114E-20	0.255958	hyper	sig	chr18_45775707
chr6	1.37E+08	136923557	+	3.429E-22	1.0329E-20	0.325807	hyper	sig	chr6_136923557
chr7	20776620	20776620	+	3.44E-22	1.03606E-20	0.248389	hyper	sig	chr7_20776620
chr7	96997836	96997836	+	3.441E-22	1.0364E-20	0.252639	hyper	sig	chr7_96997836
chr10	70283782	70283782	+	3.441E-22	1.03642E-20	0.336612	hyper	sig	chr10_70283782
chr7	43311609	43311609	+	3.449E-22	1.0386E-20	-0.25479	hypo	sig	chr7_43311609
chr3	55482321	55482321	+	3.454E-22	1.04021E-20	0.304386	hyper	sig	chr3_55482321
chr7	45575904	45575904	+	3.458E-22	1.04139E-20	0.214029	hyper	sig	chr7_45575904
chr2	2.38E+08	238231594	+	3.465E-22	1.04343E-20	0.204947	hyper	sig	chr2_238231594
chr13	36432597	36432597	+	3.467E-22	1.04405E-20	0.292808	hyper	sig	chr13_36432597
chr4	52077049	52077049	+	3.474E-22	1.04585E-20	0.242499	hyper	sig	chr4_52077049
chr4	54231424	54231424	+	3.474E-22	1.0461E-20	0.275776	hyper	sig	chr4_54231424
chr17	81118369	81118369	+	3.476E-22	1.04658E-20	-0.22754	hypo	sig	chr17_81118369
chr11	8169084	8169084	+	3.494E-22	1.05179E-20	0.222765	hyper	sig	chr11_8169084
chr13	1.11E+08	110506630	+	3.498E-22	1.053E-20	-0.27144	hypo	sig	chr13_110506630
chr11	1.12E+08	111540235	+	3.503E-22	1.05434E-20	0.234574	hyper	sig	chr11_111540235
chr13	52847556	52847556	+	3.507E-22	1.0558E-20	0.319764	hyper	sig	chr13_52847556
chr18	46760231	46760231	+	3.511E-22	1.05691E-20	-0.24181	hypo	sig	chr18_46760231
chr10	1.17E+08	117132185	+	3.512E-22	1.05712E-20	0.31398	hyper	sig	chr10_117132185
chr12	1500180	1500180	+	3.529E-22	1.06218E-20	-0.20837	hypo	sig	chr12_1500180
chr8	1163813	1163813	+	3.54E-22	1.06521E-20	0.230666	hyper	sig	chr8_1163813
chr14	1.05E+08	104657287	+	3.543E-22	1.06603E-20	-0.21513	hypo	sig	chr14_104657287
chr15	89379367	89379367	+	3.544E-22	1.06656E-20	0.28249	hyper	sig	chr15_89379367
chr6	32056711	32056711	+	3.547E-22	1.0672E-20	-0.2125	hypo	sig	chr6_32056711
chr8	52940075	52940075	+	3.555E-22	1.06947E-20	0.27304	hyper	sig	chr8_52940075
chr1	1.47E+08	147079232	+	3.556E-22	1.0697E-20	0.301437	hyper	sig	chr1_147079232
chr19	57240323	57240323	+	3.569E-22	1.07371E-20	0.213127	hyper	sig	chr19_57240323
chr16	75206627	75206627	+	3.575E-22	1.07547E-20	-0.28548	hypo	sig	chr16_75206627
chr10	70256429	70256429	+	3.577E-22	1.07584E-20	-0.25928	hypo	sig	chr10_70256429
chr9	91992783	91992783	+	3.584E-22	1.07783E-20	-0.29576	hypo	sig	chr9_91992783
chr19	22010607	22010607	+	3.589E-22	1.07934E-20	0.245453	hyper	sig	chr19_22010607
chr16	1101287	1101287	+	3.595E-22	1.08127E-20	-0.22808	hypo	sig	chr16_1101287
chr19	18931916	18931916	+	3.6E-22	1.08252E-20	-0.26514	hypo	sig	chr19_18931916
chr20	21507536	21507536	+	3.603E-22	1.08346E-20	0.338809	hyper	sig	chr20_21507536
chr5	958221	958221	+	3.608E-22	1.085E-20	-0.23622	hypo	sig	chr5_958221
chr10	1.33E+08	132940892	+	3.613E-22	1.08644E-20	-0.22262	hypo	sig	chr10_132940892
chr19	19261118	19261118	+	3.615E-22	1.08683E-20	0.249469	hyper	sig	chr19_19261118
chr9	1.37E+08	137030963	+	3.622E-22	1.08886E-20	-0.20789	hypo	sig	chr9_137030963
chr21	37006140	37006140	+	3.641E-22	1.09454E-20	0.289754	hyper	sig	chr21_37006140
chr14	1.05E+08	104637471	+	3.645E-22	1.09568E-20	-0.30049	hypo	sig	chr14_104637471
chr6	32754725	32754725	+	3.649E-22	1.09671E-20	-0.30807	hypo	sig	chr6_32754725
chr19	36604822	36604822	+	3.651E-22	1.09738E-20	0.302049	hyper	sig	chr19_36604822
chr5	1.41E+08	141392584	+	3.656E-22	1.09887E-20	0.216496	hyper	sig	chr5_141392584
chr4	8616254	8616254	+	3.656E-22	1.09889E-20	-0.25065	hypo	sig	chr4_8616254

chr6	30260415	30260415	+	3.661E-22	1.10028E-20	0.224352	hyper	sig	chr6_30260415
chr10	1185195	1185195	+	3.666E-22	1.10174E-20	-0.25077	hypo	sig	chr10_1185195
chr15	31483174	31483174	+	3.668E-22	1.10221E-20	0.242104	hyper	sig	chr15_31483174
chr3	68007793	68007793	+	3.672E-22	1.10351E-20	0.322696	hyper	sig	chr3_68007793
chr7	4613211	4613211	+	3.673E-22	1.10351E-20	-0.23272	hypo	sig	chr7_4613211
chr14	77026589	77026589	+	3.676E-22	1.10465E-20	0.224213	hyper	sig	chr14_77026589
chr10	49679614	49679614	+	3.683E-22	1.10661E-20	0.277747	hyper	sig	chr10_49679614
chr2	38074678	38074678	+	3.689E-22	1.10817E-20	0.31134	hyper	sig	chr2_38074678
chr7	1.57E+08	157004220	+	3.7E-22	1.11163E-20	0.213453	hyper	sig	chr7_157004220
chr5	71719101	71719101	+	3.703E-22	1.11249E-20	0.301175	hyper	sig	chr5_71719101
chr22	50045082	50045082	+	3.704E-22	1.1125E-20	-0.21201	hypo	sig	chr22_50045082
chr2	1.76E+08	176083218	+	3.709E-22	1.1141E-20	0.245743	hyper	sig	chr2_176083218
chr7	43112646	43112646	+	3.709E-22	1.11414E-20	0.239143	hyper	sig	chr7_43112646
chr5	11904675	11904675	+	3.713E-22	1.11536E-20	0.226074	hyper	sig	chr5_11904675
chr6	10385136	10385136	+	3.716E-22	1.11605E-20	0.312106	hyper	sig	chr6_10385136
chr13	78607519	78607519	+	3.72E-22	1.1172E-20	0.243026	hyper	sig	chr13_78607519
chr14	85534730	85534730	+	3.729E-22	1.11965E-20	0.260454	hyper	sig	chr14_85534730
chr5	44389304	44389304	+	3.733E-22	1.121E-20	0.329891	hyper	sig	chr5_44389304
chr8	52941007	52941007	+	3.734E-22	1.12105E-20	0.200884	hyper	sig	chr8_52941007
chr19	52492910	52492910	+	3.743E-22	1.12391E-20	0.310834	hyper	sig	chr19_52492910
chr7	1.59E+08	158992959	+	3.744E-22	1.12412E-20	0.214307	hyper	sig	chr7_158992959
chr5	77972593	77972593	+	3.757E-22	1.128E-20	0.259318	hyper	sig	chr5_77972593
chr4	1.09E+08	109302696	+	3.763E-22	1.12973E-20	0.246081	hyper	sig	chr4_109302696
chr22	19149396	19149396	+	3.77E-22	1.1318E-20	0.254196	hyper	sig	chr22_19149396
chr9	88991144	88991144	+	3.77E-22	1.1318E-20	0.278774	hyper	sig	chr9_88991144
chr6	50707886	50707886	+	3.774E-22	1.13275E-20	0.217503	hyper	sig	chr6_50707886
chr6	391297	391297	+	3.776E-22	1.13341E-20	0.237429	hyper	sig	chr6_391297
chr21	45362570	45362570	+	3.781E-22	1.13485E-20	-0.22117	hypo	sig	chr21_45362570
chr12	53945137	53945137	+	3.782E-22	1.13512E-20	0.225356	hyper	sig	chr12_53945137
chr4	1.74E+08	173527462	+	3.783E-22	1.13541E-20	0.246458	hyper	sig	chr4_173527462
chr3	1.92E+08	192408327	+	3.788E-22	1.13656E-20	0.226904	hyper	sig	chr3_192408327
chr14	1.02E+08	101963950	+	3.8E-22	1.14021E-20	-0.32456	hypo	sig	chr14_101963950
chr1	1.45E+08	144551163	+	3.8E-22	1.14023E-20	0.308469	hyper	sig	chr1_144551163
chr12	41189603	41189603	+	3.807E-22	1.14213E-20	0.281553	hyper	sig	chr12_41189603
chr4	1.11E+08	110626930	+	3.807E-22	1.14213E-20	0.234091	hyper	sig	chr4_110626930
chr7	1324055	1324055	+	3.807E-22	1.14213E-20	-0.23793	hypo	sig	chr7_1324055
chr5	84384218	84384218	+	3.808E-22	1.1422E-20	0.333238	hyper	sig	chr5_84384218
chr4	41879183	41879183	+	3.819E-22	1.14562E-20	0.331668	hyper	sig	chr4_41879183
chr15	90212764	90212764	+	3.821E-22	1.14613E-20	-0.22184	hypo	sig	chr15_90212764
chr17	48596171	48596171	+	3.824E-22	1.14677E-20	-0.25161	hypo	sig	chr17_48596171
chr1	63319947	63319947	+	3.826E-22	1.14759E-20	0.283256	hyper	sig	chr1_63319947
chr15	67826186	67826186	+	3.838E-22	1.15106E-20	0.22717	hyper	sig	chr15_67826186
chr10	1.01E+08	101306654	+	3.839E-22	1.15122E-20	-0.36335	hypo	sig	chr10_101306654
chr1	3101209	3101209	+	3.846E-22	1.15327E-20	-0.2505	hypo	sig	chr1_3101209
chr4	1.74E+08	173527450	+	3.851E-22	1.1546E-20	0.227744	hyper	sig	chr4_173527450
chr5	1.29E+08	128537623	+	3.856E-22	1.1561E-20	0.216837	hyper	sig	chr5_128537623
chr15	24773142	24773142	+	3.86E-22	1.15724E-20	0.254003	hyper	sig	chr15_24773142
chr1	90720402	90720402	+	3.86E-22	1.15734E-20	0.298208	hyper	sig	chr1_90720402
chr2	86789104	86789104	+	3.863E-22	1.15804E-20	0.222906	hyper	sig	chr2_86789104
chr4	834493	834493	+	3.864E-22	1.15849E-20	-0.21699	hypo	sig	chr4_834493
chr17	79465469	79465469	+	3.875E-22	1.16177E-20	-0.27257	hypo	sig	chr17_79465469
chr12	1.07E+08	106586493	+	3.886E-22	1.16497E-20	0.212187	hyper	sig	chr12_106586493
chr1	2789310	2789310	+	3.887E-22	1.16501E-20	0.26592	hyper	sig	chr1_2789310
chr13	78586893	78586893	+	3.887E-22	1.16505E-20	0.208892	hyper	sig	chr13_78586893
chr4	1.09E+08	109302694	+	3.887E-22	1.16508E-20	0.251251	hyper	sig	chr4_109302694
chr7	1.37E+08	136871464	+	3.891E-22	1.16617E-20	0.223131	hyper	sig	chr7_136871464

chr13	27927229	27927229	+	3.903E-22	1.16956E-20	0.3258	hyper	sig	chr13_27927229
chr16	22371402	22371402	+	3.906E-22	1.17032E-20	-0.21578	hypo	sig	chr16_22371402
chr16	1438929	1438929	+	3.91E-22	1.17172E-20	-0.23245	hypo	sig	chr16_1438929
chr19	56477511	56477511	+	3.912E-22	1.17231E-20	0.302566	hyper	sig	chr19_56477511
chr6	37649036	37649036	+	3.914E-22	1.17282E-20	0.312108	hyper	sig	chr6_37649036
chr15	77817108	77817108	+	3.919E-22	1.17417E-20	-0.2838	hypo	sig	chr15_77817108
chr17	49994465	49994465	+	3.924E-22	1.17571E-20	0.263083	hyper	sig	chr17_49994465
chr17	9825694	9825694	+	3.929E-22	1.17714E-20	-0.23037	hypo	sig	chr17_9825694
chr19	57171765	57171765	+	3.931E-22	1.17775E-20	0.355209	hyper	sig	chr19_57171765
chr7	30912043	30912043	+	3.935E-22	1.17865E-20	0.204386	hyper	sig	chr7_30912043
chr17	52160216	52160216	+	3.946E-22	1.18201E-20	0.302931	hyper	sig	chr17_52160216
chr5	73627048	73627048	+	3.966E-22	1.18811E-20	-0.21384	hypo	sig	chr5_73627048
chr6	62286488	62286488	+	3.969E-22	1.18874E-20	0.3096	hyper	sig	chr6_62286488
chr4	4868751	4868751	+	3.974E-22	1.19039E-20	0.278008	hyper	sig	chr4_4868751
chr5	1.36E+08	135830778	+	3.978E-22	1.19152E-20	-0.28202	hypo	sig	chr5_135830778
chr3	27723782	27723782	+	3.99E-22	1.1951E-20	0.24934	hyper	sig	chr3_27723782
chr3	27729468	27729468	+	3.994E-22	1.19608E-20	0.218371	hyper	sig	chr3_27729468
chr15	77641534	77641534	+	3.996E-22	1.19674E-20	-0.23186	hypo	sig	chr15_77641534
chr3	62369719	62369719	+	4E-22	1.19781E-20	0.362038	hyper	sig	chr3_62369719
chr16	51150931	51150931	+	4E-22	1.19788E-20	0.331409	hyper	sig	chr16_51150931
chr14	76138850	76138850	+	4.008E-22	1.20006E-20	0.320114	hyper	sig	chr14_76138850
chr1	3718334	3718334	+	4.021E-22	1.20392E-20	0.217911	hyper	sig	chr1_3718334
chr18	25349216	25349216	+	4.023E-22	1.20441E-20	0.238001	hyper	sig	chr18_25349216
chr5	1.78E+08	177985635	+	4.027E-22	1.20578E-20	0.306759	hyper	sig	chr5_177985635
chr11	1.19E+08	119372001	+	4.029E-22	1.20614E-20	-0.25202	hypo	sig	chr11_119372001
chr11	2156202	2156202	+	4.03E-22	1.20642E-20	-0.20696	hypo	sig	chr11_2156202
chr16	27432620	27432620	+	4.03E-22	1.20642E-20	-0.23794	hypo	sig	chr16_27432620
chr6	1.46E+08	146029586	+	4.04E-22	1.20933E-20	0.275065	hyper	sig	chr6_146029586
chr4	4226422	4226422	+	4.041E-22	1.20976E-20	0.30464	hyper	sig	chr4_4226422
chr17	35490185	35490185	+	4.044E-22	1.21038E-20	0.216614	hyper	sig	chr17_35490185
chr7	1.59E+08	159157011	+	4.045E-22	1.21066E-20	-0.22592	hypo	sig	chr7_159157011
chr6	1.17E+08	117263527	+	4.049E-22	1.21185E-20	0.246705	hyper	sig	chr6_117263527
chr8	54459989	54459989	+	4.049E-22	1.21185E-20	0.218786	hyper	sig	chr8_54459989
chr17	65537197	65537197	+	4.052E-22	1.2127E-20	-0.25916	hypo	sig	chr17_65537197
chr1	1445220	1445220	+	4.055E-22	1.21354E-20	-0.25078	hypo	sig	chr1_1445220
chr20	45097946	45097946	+	4.055E-22	1.21359E-20	0.215252	hyper	sig	chr20_45097946
chr7	1.37E+08	136871410	+	4.061E-22	1.21507E-20	0.22575	hyper	sig	chr7_136871410
chr4	41867544	41867544	+	4.062E-22	1.21542E-20	0.211125	hyper	sig	chr4_41867544
chr2	74499311	74499311	+	4.074E-22	1.2188E-20	0.205105	hyper	sig	chr2_74499311
chr16	55656681	55656681	+	4.078E-22	1.22009E-20	0.253826	hyper	sig	chr16_55656681
chr7	1.58E+08	157522459	+	4.079E-22	1.22039E-20	-0.24789	hypo	sig	chr7_157522459
chr19	36245704	36245704	+	4.08E-22	1.22051E-20	0.222343	hyper	sig	chr19_36245704
chr4	4872281	4872281	+	4.11E-22	1.22929E-20	0.245789	hyper	sig	chr4_4872281
chr3	1.38E+08	137767278	+	4.119E-22	1.23213E-20	0.202834	hyper	sig	chr3_137767278
chr1	1007316	1007316	+	4.123E-22	1.23305E-20	-0.22017	hypo	sig	chr1_1007316
chr19	58118638	58118638	+	4.129E-22	1.23477E-20	0.253455	hyper	sig	chr19_58118638
chr6	50820274	50820274	+	4.136E-22	1.23686E-20	0.25336	hyper	sig	chr6_50820274
chr8	26010537	26010537	+	4.149E-22	1.24076E-20	0.268647	hyper	sig	chr8_26010537
chr15	52795274	52795274	+	4.154E-22	1.24221E-20	0.239266	hyper	sig	chr15_52795274
chr19	48491596	48491596	+	4.155E-22	1.24237E-20	0.259208	hyper	sig	chr19_48491596
chr10	1.01E+08	101226115	+	4.159E-22	1.24347E-20	0.278804	hyper	sig	chr10_101226115
chr16	7304403	7304403	+	4.176E-22	1.2486E-20	0.201571	hyper	sig	chr16_7304403
chr19	33775125	33775125	+	4.183E-22	1.25049E-20	-0.25593	hypo	sig	chr19_33775125
chr14	1.02E+08	101710320	+	4.187E-22	1.25177E-20	-0.28835	hypo	sig	chr14_101710320
chr10	11164793	11164793	+	4.198E-22	1.2551E-20	0.254291	hyper	sig	chr10_11164793
chr1	22637112	22637112	+	4.204E-22	1.25678E-20	-0.23819	hypo	sig	chr1_22637112

chr20	16573921	16573921	+	4.211E-22	1.25876E-20	-0.34285	hypo	sig	chr20_16573921
chr11	32436244	32436244	+	4.214E-22	1.25946E-20	0.202597	hyper	sig	chr11_32436244
chr5	54886	54886	+	4.221E-22	1.26164E-20	-0.24177	hypo	sig	chr5_54886
chr1	53088893	53088893	+	4.231E-22	1.26445E-20	-0.28354	hypo	sig	chr1_53088893
chr4	41879342	41879342	+	4.232E-22	1.26472E-20	0.304149	hyper	sig	chr4_41879342
chr9	1.37E+08	136738387	+	4.243E-22	1.26788E-20	-0.25182	hypo	sig	chr9_136738387
chr3	26624011	26624011	+	4.246E-22	1.26898E-20	0.302475	hyper	sig	chr3_26624011
chr7	2079936	2079936	+	4.254E-22	1.27117E-20	-0.24729	hypo	sig	chr7_2079936
chr5	1.73E+08	173244705	+	4.257E-22	1.27207E-20	0.311157	hyper	sig	chr5_173244705
chr5	2757919	2757919	+	4.264E-22	1.27393E-20	0.20678	hyper	sig	chr5_2757919
chr6	1.08E+08	108171531	+	4.271E-22	1.2762E-20	0.236716	hyper	sig	chr6_108171531
chr14	1.05E+08	104926845	+	4.28E-22	1.2788E-20	-0.28683	hypo	sig	chr14_104926845
chr11	69250107	69250107	+	4.282E-22	1.27921E-20	-0.24874	hypo	sig	chr11_69250107
chr14	60486190	60486190	+	4.285E-22	1.28017E-20	0.296422	hyper	sig	chr14_60486190
chr7	1.22E+08	122300162	+	4.289E-22	1.28136E-20	0.305081	hyper	sig	chr7_122300162
chr20	40690738	40690738	+	4.29E-22	1.28146E-20	0.202018	hyper	sig	chr20_40690738
chr5	1.41E+08	141382738	+	4.293E-22	1.28226E-20	0.249626	hyper	sig	chr5_141382738
chr22	49930581	49930581	+	4.299E-22	1.28406E-20	-0.26066	hypo	sig	chr22_49930581
chr7	1.56E+08	155795851	+	4.304E-22	1.28534E-20	-0.27445	hypo	sig	chr7_155795851
chr3	55482310	55482310	+	4.308E-22	1.28646E-20	0.291521	hyper	sig	chr3_55482310
chr15	63321777	63321777	+	4.308E-22	1.2866E-20	-0.28791	hypo	sig	chr15_63321777
chr7	1.55E+08	155166830	+	4.318E-22	1.28949E-20	-0.269	hypo	sig	chr7_155166830
chr17	44558356	44558356	+	4.321E-22	1.29016E-20	0.354074	hyper	sig	chr17_44558356
chr17	45788912	45788912	+	4.34E-22	1.29582E-20	-0.23924	hypo	sig	chr17_45788912
chr6	1.46E+08	146029274	+	4.341E-22	1.29631E-20	0.234954	hyper	sig	chr6_146029274
chr3	1.47E+08	147369899	+	4.358E-22	1.30118E-20	0.224713	hyper	sig	chr3_147369899
chr15	1.01E+08	100973567	+	4.361E-22	1.30211E-20	0.272709	hyper	sig	chr15_100973567
chr8	383605	383605	+	4.367E-22	1.30369E-20	-0.20739	hypo	sig	chr8_383605
chr19	53942229	53942229	+	4.382E-22	1.30814E-20	0.327237	hyper	sig	chr19_53942229
chr16	86504670	86504670	+	4.403E-22	1.31409E-20	0.247075	hyper	sig	chr16_86504670
chr8	1.42E+08	141622560	+	4.423E-22	1.3199E-20	-0.26235	hypo	sig	chr8_141622560
chr5	73298599	73298599	+	4.425E-22	1.32046E-20	0.324367	hyper	sig	chr5_73298599
chr2	1.15E+08	114662438	+	4.427E-22	1.3212E-20	0.260559	hyper	sig	chr2_114662438
chr2	9102987	9102987	+	4.43E-22	1.32193E-20	-0.29461	hypo	sig	chr2_9102987
chr8	26864205	26864205	+	4.43E-22	1.32201E-20	0.242851	hyper	sig	chr8_26864205
chr21	33071817	33071817	+	4.432E-22	1.32237E-20	0.238827	hyper	sig	chr21_33071817
chr8	11709682	11709682	+	4.44E-22	1.32468E-20	0.269518	hyper	sig	chr8_11709682
chr6	32064842	32064842	+	4.444E-22	1.3258E-20	-0.20403	hypo	sig	chr6_32064842
chr7	1505749	1505749	+	4.445E-22	1.32604E-20	-0.24631	hypo	sig	chr7_1505749
chr3	5095966	5095966	+	4.445E-22	1.32613E-20	0.245049	hyper	sig	chr3_5095966
chr5	1.36E+08	135930984	+	4.446E-22	1.32631E-20	0.238974	hyper	sig	chr5_135930984
chr14	1.01E+08	100910252	+	4.454E-22	1.32878E-20	-0.25861	hypo	sig	chr14_100910252
chr17	13602511	13602511	+	4.466E-22	1.33207E-20	0.239276	hyper	sig	chr17_13602511
chr7	1.5E+08	150341493	+	4.469E-22	1.3329E-20	0.23096	hyper	sig	chr7_150341493
chr8	71558486	71558486	+	4.492E-22	1.3398E-20	0.278939	hyper	sig	chr8_71558486
chr10	1.25E+08	124607692	+	4.504E-22	1.34324E-20	-0.20821	hypo	sig	chr10_124607692
chr8	1.4E+08	140238520	+	4.506E-22	1.34379E-20	-0.22174	hypo	sig	chr8_140238520
chr6	30164138	30164138	+	4.514E-22	1.34614E-20	-0.24623	hypo	sig	chr6_30164138
chr16	31371677	31371677	+	4.537E-22	1.35287E-20	-0.22371	hypo	sig	chr16_31371677
chr1	16939047	16939047	+	4.544E-22	1.35476E-20	0.210372	hyper	sig	chr1_16939047
chr4	305202	305202	+	4.546E-22	1.35527E-20	0.248927	hyper	sig	chr4_305202
chr13	20946315	20946315	+	4.549E-22	1.35616E-20	0.264163	hyper	sig	chr13_20946315
chr5	1.73E+08	173233881	+	4.553E-22	1.35736E-20	0.212493	hyper	sig	chr5_173233881
chr12	1.32E+08	132400136	+	4.554E-22	1.35755E-20	-0.20837	hypo	sig	chr12_132400136
chr19	57171796	57171796	+	4.56E-22	1.35928E-20	0.303427	hyper	sig	chr19_57171796
chr16	57667537	57667537	+	4.564E-22	1.36015E-20	-0.25407	hypo	sig	chr16_57667537

chr3	1.82E+08	181723892	+	4.566E-22	1.36081E-20	0.203716	hyper	sig	chr3_181723892
chr1	1.01E+08	101237071	+	4.59E-22	1.36792E-20	0.228303	hyper	sig	chr1_101237071
chr8	96154068	96154068	+	4.593E-22	1.36877E-20	0.247327	hyper	sig	chr8_96154068
chr17	7425353	7425353	+	4.599E-22	1.37046E-20	-0.20493	hypo	sig	chr17_7425353
chr7	50303706	50303706	+	4.605E-22	1.37228E-20	0.215832	hyper	sig	chr7_50303706
chr9	88991129	88991129	+	4.61E-22	1.3735E-20	0.275613	hyper	sig	chr9_88991129
chr5	1.71E+08	171308750	+	4.614E-22	1.37474E-20	0.278244	hyper	sig	chr5_171308750
chr10	1.16E+08	116273500	+	4.619E-22	1.37628E-20	0.233016	hyper	sig	chr10_116273500
chr12	1.14E+08	114447523	+	4.637E-22	1.38145E-20	0.21226	hyper	sig	chr12_114447523
chr19	53132976	53132976	+	4.639E-22	1.38188E-20	0.225634	hyper	sig	chr19_53132976
chr2	2.4E+08	239608795	+	4.661E-22	1.38819E-20	-0.24092	hypo	sig	chr2_239608795
chr22	44207043	44207043	+	4.663E-22	1.38874E-20	-0.31331	hypo	sig	chr22_44207043
chr6	99994158	99994158	+	4.666E-22	1.38975E-20	0.219794	hyper	sig	chr6_99994158
chr6	1.68E+08	168410607	+	4.685E-22	1.39517E-20	-0.23773	hypo	sig	chr6_168410607
chr8	1.01E+08	100860261	+	4.689E-22	1.39634E-20	-0.21828	hypo	sig	chr8_100860261
chr2	1.19E+08	118849864	+	4.696E-22	1.3982E-20	0.228726	hyper	sig	chr2_118849864
chr6	1.68E+08	168101262	+	4.702E-22	1.39993E-20	0.208695	hyper	sig	chr6_168101262
chr3	1.47E+08	147423143	+	4.705E-22	1.4007E-20	0.217747	hyper	sig	chr3_147423143
chr10	1.32E+08	132206758	+	4.711E-22	1.40255E-20	-0.24969	hypo	sig	chr10_132206758
chr17	56597776	56597776	+	4.714E-22	1.40325E-20	0.232804	hyper	sig	chr17_56597776
chr9	1.29E+08	129033280	+	4.721E-22	1.40548E-20	-0.29476	hypo	sig	chr9_129033280
chr6	27495445	27495445	+	4.725E-22	1.40651E-20	0.228571	hyper	sig	chr6_27495445
chr12	4911522	4911522	+	4.728E-22	1.40724E-20	0.258736	hyper	sig	chr12_4911522
chr3	54135964	54135964	+	4.728E-22	1.40729E-20	-0.25446	hypo	sig	chr3_54135964
chr2	1.19E+08	118849882	+	4.732E-22	1.40855E-20	0.211276	hyper	sig	chr2_118849882
chr14	1.01E+08	100821339	+	4.734E-22	1.40907E-20	-0.23279	hypo	sig	chr14_100821339
chr11	17722072	17722072	+	4.742E-22	1.41109E-20	0.227674	hyper	sig	chr11_17722072
chr12	1.03E+08	102959620	+	4.742E-22	1.41125E-20	0.225349	hyper	sig	chr12_102959620
chr20	37904304	37904304	+	4.743E-22	1.41147E-20	-0.26925	hypo	sig	chr20_37904304
chr6	41470852	41470852	+	4.747E-22	1.41261E-20	-0.28774	hypo	sig	chr6_41470852
chr2	2.28E+08	228181690	+	4.751E-22	1.41375E-20	0.256687	hyper	sig	chr2_228181690
chr8	1.41E+08	141395082	+	4.756E-22	1.41499E-20	-0.24752	hypo	sig	chr8_141395082
chr5	77632743	77632743	+	4.772E-22	1.41988E-20	0.286181	hyper	sig	chr5_77632743
chr2	2.39E+08	239247140	+	4.78E-22	1.42207E-20	-0.24268	hypo	sig	chr2_239247140
chr7	1761940	1761940	+	4.785E-22	1.4236E-20	-0.32261	hypo	sig	chr7_1761940
chr1	2.29E+08	229434053	+	4.788E-22	1.42446E-20	0.233084	hyper	sig	chr1_229434053
chr5	1.29E+08	128537881	+	4.789E-22	1.42468E-20	0.219088	hyper	sig	chr5_128537881
chr8	96161428	96161428	+	4.794E-22	1.42608E-20	0.218509	hyper	sig	chr8_96161428
chr1	50425556	50425556	+	4.797E-22	1.42697E-20	0.272392	hyper	sig	chr1_50425556
chr19	56476956	56476956	+	4.802E-22	1.42833E-20	0.269028	hyper	sig	chr19_56476956
chr3	22372191	22372191	+	4.806E-22	1.42933E-20	0.323916	hyper	sig	chr3_22372191
chr5	41510014	41510014	+	4.813E-22	1.43141E-20	0.243712	hyper	sig	chr5_41510014
chr17	65562308	65562308	+	4.825E-22	1.43485E-20	-0.22976	hypo	sig	chr17_65562308
chr7	97731945	97731945	+	4.827E-22	1.43536E-20	0.264925	hyper	sig	chr7_97731945
chr5	1.41E+08	141343764	+	4.838E-22	1.43862E-20	0.256196	hyper	sig	chr5_141343764
chr5	1.41E+08	141392581	+	4.842E-22	1.43989E-20	0.215969	hyper	sig	chr5_141392581
chr10	1.33E+08	133165853	+	4.849E-22	1.44167E-20	-0.26016	hypo	sig	chr10_133165853
chr12	80708922	80708922	+	4.854E-22	1.44326E-20	0.27278	hyper	sig	chr12_80708922
chr5	1.75E+08	174732725	+	4.856E-22	1.44365E-20	0.280522	hyper	sig	chr5_174732725
chr2	38038445	38038445	+	4.864E-22	1.44613E-20	0.314121	hyper	sig	chr2_38038445
chr19	1428888	1428888	+	4.866E-22	1.44643E-20	-0.2531	hypo	sig	chr19_1428888
chr13	1.13E+08	112994453	+	4.874E-22	1.44895E-20	-0.22708	hypo	sig	chr13_112994453
chr11	1.33E+08	132943650	+	4.886E-22	1.45224E-20	0.229209	hyper	sig	chr11_132943650
chr2	1.76E+08	176083341	+	4.891E-22	1.45385E-20	0.228591	hyper	sig	chr2_176083341
chr1	3077487	3077487	+	4.901E-22	1.4568E-20	-0.25596	hypo	sig	chr1_3077487
chr6	27495480	27495480	+	4.905E-22	1.45766E-20	0.20332	hyper	sig	chr6_27495480

chr19	40388509	40388509	+	4.917E-22	1.46112E-20	-0.22032	hypo	sig	chr19_40388509
chr16	58464850	58464850	+	4.925E-22	1.46342E-20	0.215147	hyper	sig	chr16_58464850
chr8	1.41E+08	141346572	+	4.927E-22	1.46404E-20	-0.3127	hypo	sig	chr8_141346572
chr17	83085047	83085047	+	4.928E-22	1.46434E-20	-0.21594	hypo	sig	chr17_83085047
chr11	1.25E+08	124868581	+	4.944E-22	1.46892E-20	0.259164	hyper	sig	chr11_124868581
chr19	50695697	50695697	+	4.944E-22	1.469E-20	0.25234	hyper	sig	chr19_50695697
chr3	1.47E+08	147407484	+	4.949E-22	1.47021E-20	0.261094	hyper	sig	chr3_147407484
chr2	1.19E+08	118841883	+	4.951E-22	1.47093E-20	0.202494	hyper	sig	chr2_118841883
chr6	10384947	10384947	+	4.957E-22	1.47254E-20	0.296532	hyper	sig	chr6_10384947
chr12	33438428	33438428	+	4.961E-22	1.47366E-20	0.234655	hyper	sig	chr12_33438428
chr10	1.01E+08	101218236	+	4.966E-22	1.47503E-20	0.289857	hyper	sig	chr10_101218236
chr13	1.07E+08	106530751	+	4.97E-22	1.47628E-20	-0.30172	hypo	sig	chr13_106530751
chr14	56809919	56809919	+	4.973E-22	1.47692E-20	0.280208	hyper	sig	chr14_56809919
chr12	50953245	50953245	+	4.973E-22	1.47705E-20	-0.25212	hypo	sig	chr12_50953245
chr8	23225862	23225862	+	4.976E-22	1.47773E-20	-0.24468	hypo	sig	chr8_23225862
chr1	1.19E+08	118985013	+	4.98E-22	1.47911E-20	0.314978	hyper	sig	chr1_118985013
chr1	1.08E+08	107964527	+	4.991E-22	1.48222E-20	0.222043	hyper	sig	chr1_107964527
chr1	1.48E+08	148310155	+	4.994E-22	1.48302E-20	0.281364	hyper	sig	chr1_148310155
chr2	95312425	95312425	+	4.999E-22	1.48434E-20	-0.20006	hypo	sig	chr2_95312425
chr3	1.61E+08	160757340	+	5.003E-22	1.48548E-20	0.206846	hyper	sig	chr3_160757340
chr8	2090022	2090022	+	5.009E-22	1.48718E-20	-0.25288	hypo	sig	chr8_2090022
chr19	56765277	56765277	+	5.053E-22	1.50031E-20	0.303872	hyper	sig	chr19_56765277
chr14	1.04E+08	104141922	+	5.055E-22	1.50065E-20	-0.20443	hypo	sig	chr14_104141922
chr16	3183799	3183799	+	5.061E-22	1.50248E-20	0.237348	hyper	sig	chr16_3183799
chr8	71558955	71558955	+	5.064E-22	1.50345E-20	0.321115	hyper	sig	chr8_71558955
chr13	27928054	27928054	+	5.074E-22	1.5062E-20	0.379338	hyper	sig	chr13_27928054
chr7	93891128	93891128	+	5.075E-22	1.5064E-20	0.237623	hyper	sig	chr7_93891128
chr5	2738990	2738990	+	5.081E-22	1.5082E-20	0.234939	hyper	sig	chr5_2738990
chr5	77632746	77632746	+	5.081E-22	1.5082E-20	0.291373	hyper	sig	chr5_77632746
chr1	1.57E+08	156849296	+	5.082E-22	1.50823E-20	0.254629	hyper	sig	chr1_156849296
chr1	84619624	84619624	+	5.083E-22	1.50855E-20	-0.30521	hypo	sig	chr1_84619624
chr2	1.76E+08	176124825	+	5.114E-22	1.5177E-20	-0.216	hypo	sig	chr2_176124825
chr4	3750651	3750651	+	5.121E-22	1.51958E-20	-0.21774	hypo	sig	chr4_3750651
chr18	57428361	57428361	+	5.122E-22	1.51997E-20	0.290179	hyper	sig	chr18_57428361
chr12	53952078	53952078	+	5.132E-22	1.52277E-20	0.201274	hyper	sig	chr12_53952078
chr20	46513377	46513377	+	5.158E-22	1.5303E-20	0.306963	hyper	sig	chr20_46513377
chr19	56671592	56671592	+	5.162E-22	1.53158E-20	0.293185	hyper	sig	chr19_56671592
chr5	172757	172757	+	5.164E-22	1.532E-20	-0.32996	hypo	sig	chr5_172757
chr6	29828132	29828132	+	5.166E-22	1.53278E-20	0.241297	hyper	sig	chr6_29828132
chr2	63053490	63053490	+	5.175E-22	1.53514E-20	0.275781	hyper	sig	chr2_63053490
chr2	2.08E+08	208407181	+	5.189E-22	1.53926E-20	0.210923	hyper	sig	chr2_208407181
chr2	1.05E+08	105399297	+	5.191E-22	1.53984E-20	-0.25101	hypo	sig	chr2_105399297
chr10	17225929	17225929	+	5.21E-22	1.54533E-20	-0.26426	hypo	sig	chr10_17225929
chr6	27268119	27268119	+	5.21E-22	1.54553E-20	0.230381	hyper	sig	chr6_27268119
chr12	1.3E+08	130161524	+	5.212E-22	1.54587E-20	0.225229	hyper	sig	chr12_130161524
chr16	48243708	48243708	+	5.213E-22	1.54615E-20	-0.43048	hypo	sig	chr16_48243708
chr3	5023541	5023541	+	5.234E-22	1.55243E-20	-0.32503	hypo	sig	chr3_5023541
chr11	1.18E+08	117878652	+	5.237E-22	1.553E-20	-0.32966	hypo	sig	chr11_117878652
chr1	1.47E+08	147072719	+	5.241E-22	1.55407E-20	0.262416	hyper	sig	chr1_147072719
chr16	2189385	2189385	+	5.252E-22	1.55741E-20	-0.23871	hypo	sig	chr16_2189385
chr19	45804959	45804959	+	5.255E-22	1.55837E-20	-0.26213	hypo	sig	chr19_45804959
chr19	3821285	3821285	+	5.278E-22	1.56487E-20	-0.34698	hypo	sig	chr19_3821285
chr7	1.58E+08	157683883	+	5.281E-22	1.56572E-20	0.246073	hyper	sig	chr7_157683883
chr13	22736086	22736086	+	5.284E-22	1.56653E-20	-0.23422	hypo	sig	chr13_22736086
chr15	78871719	78871719	+	5.29E-22	1.56818E-20	-0.26938	hypo	sig	chr15_78871719
chr10	1.32E+08	132132414	+	5.306E-22	1.57297E-20	-0.33054	hypo	sig	chr10_132132414

chr6	28810437	28810437	+	5.31E-22	1.57391E-20	0.212381	hyper	sig	chr6_28810437
chr5	2739112	2739112	+	5.336E-22	1.5815E-20	0.237317	hyper	sig	chr5_2739112
chr8	1.43E+08	142787501	+	5.339E-22	1.58224E-20	-0.21054	hypo	sig	chr8_142787501
chr13	94968722	94968722	+	5.345E-22	1.58412E-20	0.252915	hyper	sig	chr13_94968722
chr20	9509156	9509156	+	5.366E-22	1.59015E-20	0.239769	hyper	sig	chr20_9509156
chr6	32063618	32063618	+	5.366E-22	1.59015E-20	-0.22836	hypo	sig	chr6_32063618
chr13	78594428	78594428	+	5.371E-22	1.59139E-20	0.296069	hyper	sig	chr13_78594428
chr5	1.41E+08	141431501	+	5.378E-22	1.5934E-20	0.254067	hyper	sig	chr5_141431501
chr12	1.03E+08	102962180	+	5.392E-22	1.59757E-20	0.209837	hyper	sig	chr12_102962180
chr11	1086338	1086338	+	5.394E-22	1.59785E-20	-0.22526	hypo	sig	chr11_1086338
chr2	1.02E+08	102361999	+	5.396E-22	1.59863E-20	0.25511	hyper	sig	chr2_102361999
chr13	1.02E+08	101919911	+	5.405E-22	1.60116E-20	0.276302	hyper	sig	chr13_101919911
chr7	24285318	24285318	+	5.416E-22	1.60437E-20	0.268302	hyper	sig	chr7_24285318
chr2	2.31E+08	231394682	+	5.421E-22	1.60585E-20	0.227055	hyper	sig	chr2_231394682
chr11	1.2E+08	119741174	+	5.422E-22	1.60606E-20	-0.28106	hypo	sig	chr11_119741174
chr22	17370768	17370768	+	5.427E-22	1.6075E-20	0.243276	hyper	sig	chr22_17370768
chr7	1.56E+08	156102904	+	5.431E-22	1.60857E-20	-0.25768	hypo	sig	chr7_156102904
chr2	63056238	63056238	+	5.436E-22	1.60987E-20	0.254958	hyper	sig	chr2_63056238
chr4	1.44E+08	143912076	+	5.438E-22	1.61046E-20	0.298282	hyper	sig	chr4_143912076
chr9	1.3E+08	129675779	+	5.446E-22	1.61279E-20	-0.28725	hypo	sig	chr9_129675779
chr19	3785839	3785839	+	5.457E-22	1.6158E-20	0.200514	hyper	sig	chr19_3785839
chr8	11614227	11614227	+	5.465E-22	1.61806E-20	-0.20298	hypo	sig	chr8_11614227
chr2	1.3E+08	129979650	+	5.467E-22	1.61875E-20	0.207582	hyper	sig	chr2_129979650
chr12	75209717	75209717	+	5.473E-22	1.62047E-20	0.269279	hyper	sig	chr12_75209717
chr7	49775118	49775118	+	5.478E-22	1.62178E-20	0.266635	hyper	sig	chr7_49775118
chr7	79454478	79454478	+	5.478E-22	1.62187E-20	0.310571	hyper	sig	chr7_79454478
chr11	79438889	79438889	+	5.487E-22	1.6243E-20	0.210193	hyper	sig	chr11_79438889
chr9	34809640	34809640	+	5.488E-22	1.62469E-20	0.216688	hyper	sig	chr9_34809640
chr6	32148988	32148988	+	5.491E-22	1.62538E-20	0.330625	hyper	sig	chr6_32148988
chr5	1.81E+08	180629334	+	5.493E-22	1.62587E-20	-0.26061	hypo	sig	chr5_180629334
chr14	28774579	28774579	+	5.498E-22	1.62744E-20	0.21566	hyper	sig	chr14_28774579
chr19	53255091	53255091	+	5.499E-22	1.62754E-20	0.256795	hyper	sig	chr19_53255091
chr11	79439275	79439275	+	5.516E-22	1.63252E-20	0.276384	hyper	sig	chr11_79439275
chr16	75280420	75280420	+	5.525E-22	1.63504E-20	-0.2478	hypo	sig	chr16_75280420
chr22	43891618	43891618	+	5.525E-22	1.63509E-20	0.24155	hyper	sig	chr22_43891618
chr11	7252973	7252973	+	5.536E-22	1.63817E-20	0.267476	hyper	sig	chr11_7252973
chr2	1.15E+08	115162597	+	5.538E-22	1.63867E-20	0.323636	hyper	sig	chr2_115162597
chr10	1.3E+08	129972541	+	5.544E-22	1.64036E-20	0.296109	hyper	sig	chr10_129972541
chr2	1.07E+08	106585859	+	5.548E-22	1.6417E-20	-0.29911	hypo	sig	chr2_106585859
chr6	32039854	32039854	+	5.549E-22	1.6419E-20	-0.22505	hypo	sig	chr6_32039854
chr3	9552535	9552535	+	5.562E-22	1.6457E-20	0.259412	hyper	sig	chr3_9552535
chr12	57628168	57628168	+	5.563E-22	1.64591E-20	0.24319	hyper	sig	chr12_57628168
chr7	27124201	27124201	+	5.564E-22	1.64606E-20	0.232497	hyper	sig	chr7_27124201
chr16	1543221	1543221	+	5.565E-22	1.64631E-20	-0.23826	hypo	sig	chr16_1543221
chr2	1686928	1686928	+	5.58E-22	1.65067E-20	-0.20595	hypo	sig	chr2_1686928
chr4	52076968	52076968	+	5.593E-22	1.65435E-20	0.234548	hyper	sig	chr4_52076968
chr16	89372258	89372258	+	5.605E-22	1.65776E-20	0.31076	hyper	sig	chr16_89372258
chr10	55630146	55630146	+	5.609E-22	1.65885E-20	0.273739	hyper	sig	chr10_55630146
chr2	1.76E+08	176112759	+	5.611E-22	1.65934E-20	0.208306	hyper	sig	chr2_176112759
chr3	55482313	55482313	+	5.614E-22	1.66007E-20	0.295323	hyper	sig	chr3_55482313
chr4	785448	785448	+	5.614E-22	1.66023E-20	0.238375	hyper	sig	chr4_785448
chr19	57888791	57888791	+	5.619E-22	1.66147E-20	0.222652	hyper	sig	chr19_57888791
chr11	1.23E+08	122981576	+	5.632E-22	1.66542E-20	0.310867	hyper	sig	chr11_122981576
chr5	1.17E+08	116576636	+	5.634E-22	1.66583E-20	0.257787	hyper	sig	chr5_116576636
chr6	39322939	39322939	+	5.638E-22	1.66698E-20	-0.27432	hypo	sig	chr6_39322939
chr2	1.76E+08	176124831	+	5.648E-22	1.66981E-20	-0.22426	hypo	sig	chr2_176124831

chr19	403844	403844	+	5.65E-22	1.67056E-20	-0.23406	hypo	sig	chr19_403844
chr13	70108234	70108234	+	5.659E-22	1.67294E-20	0.310522	hyper	sig	chr13_70108234
chr5	1.41E+08	140856524	+	5.663E-22	1.67419E-20	0.240922	hyper	sig	chr5_140856524
chr8	74984836	74984836	+	5.688E-22	1.68149E-20	0.211848	hyper	sig	chr8_74984836
chr16	85642985	85642985	+	5.692E-22	1.68261E-20	-0.24133	hypo	sig	chr16_85642985
chr19	33622504	33622504	+	5.692E-22	1.68261E-20	0.229381	hyper	sig	chr19_33622504
chr11	31804895	31804895	+	5.694E-22	1.68292E-20	0.231563	hyper	sig	chr11_31804895
chr1	1.19E+08	118985518	+	5.699E-22	1.68417E-20	0.234663	hyper	sig	chr1_118985518
chr5	1.23E+08	123087879	+	5.712E-22	1.68799E-20	0.212385	hyper	sig	chr5_123087879
chr5	45695331	45695331	+	5.73E-22	1.69317E-20	0.256061	hyper	sig	chr5_45695331
chr22	39381740	39381740	+	5.748E-22	1.69855E-20	-0.20835	hypo	sig	chr22_39381740
chr1	1.11E+08	110675660	+	5.75E-22	1.69897E-20	0.243643	hyper	sig	chr1_110675660
chr5	1.41E+08	141398775	+	5.756E-22	1.70058E-20	0.202455	hyper	sig	chr5_141398775
chr18	37567575	37567575	+	5.756E-22	1.70064E-20	0.276206	hyper	sig	chr18_37567575
chr4	7665891	7665891	+	5.768E-22	1.70392E-20	-0.23424	hypo	sig	chr4_7665891
chr10	1.29E+08	128502287	+	5.769E-22	1.70434E-20	-0.20704	hypo	sig	chr10_128502287
chr12	1.15E+08	114666817	+	5.779E-22	1.7072E-20	0.223836	hyper	sig	chr12_114666817
chr8	1.31E+08	131039843	+	5.788E-22	1.70975E-20	0.275416	hyper	sig	chr8_131039843
chr14	1.01E+08	100769733	+	5.789E-22	1.70979E-20	-0.23442	hypo	sig	chr14_100769733
chr10	1.01E+08	100830480	+	5.801E-22	1.7134E-20	0.205303	hyper	sig	chr10_100830480
chr21	36705076	36705076	+	5.816E-22	1.71775E-20	0.262962	hyper	sig	chr21_36705076
chr7	1761852	1761852	+	5.827E-22	1.72073E-20	-0.30568	hypo	sig	chr7_1761852
chr3	1.02E+08	101677893	+	5.836E-22	1.72312E-20	-0.30005	hypo	sig	chr3_101677893
chr7	45921976	45921976	+	5.854E-22	1.72844E-20	0.222286	hyper	sig	chr7_45921976
chr18	69402778	69402778	+	5.855E-22	1.72859E-20	0.246536	hyper	sig	chr18_69402778
chr18	7117008	7117008	+	5.858E-22	1.72934E-20	0.300503	hyper	sig	chr18_7117008
chr2	1.07E+08	106585772	+	5.864E-22	1.73124E-20	-0.27917	hypo	sig	chr2_106585772
chr10	23173188	23173188	+	5.881E-22	1.73594E-20	0.340872	hyper	sig	chr10_23173188
chr9	1.36E+08	135740275	+	5.887E-22	1.73774E-20	-0.24145	hypo	sig	chr9_135740275
chr16	88681183	88681183	+	5.915E-22	1.74585E-20	-0.22387	hypo	sig	chr16_88681183
chr20	21106153	21106153	+	5.919E-22	1.74708E-20	0.296552	hyper	sig	chr20_21106153
chr1	1965128	1965128	+	5.925E-22	1.74866E-20	-0.22061	hypo	sig	chr1_1965128
chr7	1.58E+08	158451075	+	5.93E-22	1.75012E-20	-0.27129	hypo	sig	chr7_158451075
chr7	35971209	35971209	+	5.937E-22	1.75183E-20	-0.2652	hypo	sig	chr7_35971209
chr13	1.12E+08	112056540	+	5.937E-22	1.75199E-20	0.298827	hyper	sig	chr13_112056540
chr5	1658915	1658915	+	5.938E-22	1.7521E-20	-0.29991	hypo	sig	chr5_1658915
chr6	98844395	98844395	+	5.945E-22	1.75401E-20	0.227178	hyper	sig	chr6_98844395
chr14	41605250	41605250	+	5.951E-22	1.75582E-20	0.289948	hyper	sig	chr14_41605250
chr5	1.11E+08	111070903	+	5.958E-22	1.75763E-20	0.254584	hyper	sig	chr5_111070903
chr15	80778533	80778533	+	5.964E-22	1.75957E-20	-0.26834	hypo	sig	chr15_80778533
chr13	50132410	50132410	+	5.971E-22	1.76129E-20	0.275001	hyper	sig	chr13_50132410
chr15	79091089	79091089	+	5.995E-22	1.76831E-20	0.293382	hyper	sig	chr15_79091089
chr10	23200303	23200303	+	5.999E-22	1.7693E-20	0.271886	hyper	sig	chr10_23200303
chr8	57995262	57995262	+	6E-22	1.76972E-20	0.3275	hyper	sig	chr8_57995262
chr6	26744042	26744042	+	6.008E-22	1.77182E-20	0.289789	hyper	sig	chr6_26744042
chr18	55590077	55590077	+	6.014E-22	1.7737E-20	0.206704	hyper	sig	chr18_55590077
chr18	55780034	55780034	+	6.017E-22	1.7745E-20	0.333874	hyper	sig	chr18_55780034
chr1	47433232	47433232	+	6.023E-22	1.77603E-20	0.325585	hyper	sig	chr1_47433232
chr15	82681067	82681067	+	6.024E-22	1.77646E-20	0.30314	hyper	sig	chr15_82681067
chr17	44558371	44558371	+	6.026E-22	1.77692E-20	0.317096	hyper	sig	chr17_44558371
chr12	1.3E+08	130447583	+	6.031E-22	1.77833E-20	-0.25943	hypo	sig	chr12_130447583
chr4	1.55E+08	155376941	+	6.037E-22	1.77993E-20	0.235017	hyper	sig	chr4_155376941
chr6	12750160	12750160	+	6.044E-22	1.78188E-20	0.362008	hyper	sig	chr6_12750160
chr20	43189286	43189286	+	6.055E-22	1.78519E-20	0.203423	hyper	sig	chr20_43189286
chr3	27728964	27728964	+	6.056E-22	1.7853E-20	0.226795	hyper	sig	chr3_27728964
chr9	1.29E+08	129489929	+	6.057E-22	1.78571E-20	-0.24705	hypo	sig	chr9_129489929

chr16	57803006	57803006	+	6.065E-22	1.78794E-20	0.316176	hyper	sig	chr16_57803006
chr1	9652890	9652890	+	6.07E-22	1.78917E-20	0.21662	hyper	sig	chr1_9652890
chr2	1.28E+08	128474007	+	6.075E-22	1.79075E-20	-0.33544	hypo	sig	chr2_128474007
chr11	31823794	31823794	+	6.089E-22	1.7947E-20	0.208774	hyper	sig	chr11_31823794
chr4	3595967	3595967	+	6.098E-22	1.7973E-20	-0.24744	hypo	sig	chr4_3595967
chr19	41930409	41930409	+	6.101E-22	1.79806E-20	-0.26095	hypo	sig	chr19_41930409
chr7	1.51E+08	151410848	+	6.118E-22	1.80311E-20	0.271868	hyper	sig	chr7_151410848
chr13	36431364	36431364	+	6.123E-22	1.80437E-20	0.353968	hyper	sig	chr13_36431364
chr5	1.76E+08	175867904	+	6.129E-22	1.80612E-20	-0.28069	hypo	sig	chr5_175867904
chr6	50708053	50708053	+	6.134E-22	1.80753E-20	0.284319	hyper	sig	chr6_50708053
chr1	1.13E+08	112854863	+	6.138E-22	1.80875E-20	0.285991	hyper	sig	chr1_112854863
chr1	2.4E+08	240093846	+	6.142E-22	1.80989E-20	0.329061	hyper	sig	chr1_240093846
chr4	993322	993322	+	6.143E-22	1.81012E-20	-0.21542	hypo	sig	chr4_993322
chr5	1.36E+08	136365523	+	6.15E-22	1.81211E-20	0.325611	hyper	sig	chr5_136365523
chr20	21102159	21102159	+	6.162E-22	1.81524E-20	0.255431	hyper	sig	chr20_21102159
chr4	1.25E+08	125316865	+	6.173E-22	1.81866E-20	0.226325	hyper	sig	chr4_125316865
chr19	50695669	50695669	+	6.183E-22	1.82139E-20	0.23003	hyper	sig	chr19_50695669
chr14	1.04E+08	104390240	+	6.213E-22	1.83003E-20	-0.26422	hypo	sig	chr14_104390240
chr8	1.41E+08	141395140	+	6.214E-22	1.83027E-20	-0.2159	hypo	sig	chr8_141395140
chr1	47449989	47449989	+	6.215E-22	1.83042E-20	-0.22129	hypo	sig	chr1_47449989
chr13	1.14E+08	113650288	+	6.225E-22	1.83338E-20	-0.25563	hypo	sig	chr13_113650288
chr16	86504737	86504737	+	6.228E-22	1.83423E-20	0.256484	hyper	sig	chr16_86504737
chr1	2434409	2434409	+	6.229E-22	1.83451E-20	-0.26535	hypo	sig	chr1_2434409
chr10	1.22E+08	122487630	+	6.248E-22	1.83985E-20	-0.24143	hypo	sig	chr10_122487630
chr9	1.23E+08	123339120	+	6.251E-22	1.84065E-20	-0.27022	hypo	sig	chr9_123339120
chr3	1.47E+08	147424628	+	6.263E-22	1.84404E-20	0.255549	hyper	sig	chr3_147424628
chr16	1049170	1049170	+	6.267E-22	1.84518E-20	-0.26195	hypo	sig	chr16_1049170
chr19	15224000	15224000	+	6.268E-22	1.84542E-20	0.308793	hyper	sig	chr19_15224000
chr8	11982271	11982271	+	6.288E-22	1.85117E-20	-0.21849	hypo	sig	chr8_11982271
chr6	1.7E+08	170152339	+	6.289E-22	1.85139E-20	-0.21754	hypo	sig	chr6_170152339
chr21	41879915	41879915	+	6.295E-22	1.85336E-20	-0.22114	hypo	sig	chr21_41879915
chr20	59043419	59043419	+	6.298E-22	1.85417E-20	-0.2838	hypo	sig	chr20_59043419
chr1	1.1E+08	110151379	+	6.303E-22	1.85554E-20	0.205556	hyper	sig	chr1_110151379
chr19	56368000	56368000	+	6.306E-22	1.85611E-20	0.269295	hyper	sig	chr19_56368000
chr1	1.57E+08	156657286	+	6.31E-22	1.85748E-20	0.357611	hyper	sig	chr1_156657286
chr19	51010618	51010618	+	6.318E-22	1.85969E-20	-0.35475	hypo	sig	chr19_51010618
chr5	1.41E+08	141399530	+	6.318E-22	1.85969E-20	0.209317	hyper	sig	chr5_141399530
chr17	44997577	44997577	+	6.333E-22	1.86383E-20	-0.29305	hypo	sig	chr17_44997577
chr16	75249166	75249166	+	6.337E-22	1.86504E-20	0.232218	hyper	sig	chr16_75249166
chr14	36523085	36523085	+	6.34E-22	1.86589E-20	0.28555	hyper	sig	chr14_36523085
chr7	1.46E+08	146115734	+	6.355E-22	1.87013E-20	0.339779	hyper	sig	chr7_146115734
chr1	1.19E+08	119007882	+	6.36E-22	1.87146E-20	0.217422	hyper	sig	chr1_119007882
chr12	53945504	53945504	+	6.362E-22	1.87172E-20	0.222474	hyper	sig	chr12_53945504
chr5	1.14E+08	114055851	+	6.365E-22	1.87275E-20	0.273361	hyper	sig	chr5_114055851
chr14	85529431	85529431	+	6.366E-22	1.87297E-20	0.333598	hyper	sig	chr14_85529431
chr19	40224605	40224605	+	6.376E-22	1.87577E-20	-0.35422	hypo	sig	chr19_40224605
chr1	26410874	26410874	+	6.378E-22	1.8761E-20	0.227487	hyper	sig	chr1_26410874
chr17	46850922	46850922	+	6.394E-22	1.88082E-20	0.234357	hyper	sig	chr17_46850922
chr11	1.35E+08	134664622	+	6.402E-22	1.88296E-20	-0.23406	hypo	sig	chr11_134664622
chr12	1.25E+08	124618706	+	6.403E-22	1.88332E-20	-0.23916	hypo	sig	chr12_124618706
chr17	78572718	78572718	+	6.419E-22	1.88797E-20	-0.30581	hypo	sig	chr17_78572718
chr6	27495562	27495562	+	6.42E-22	1.88815E-20	0.225329	hyper	sig	chr6_27495562
chr12	81758450	81758450	+	6.421E-22	1.8883E-20	0.316174	hyper	sig	chr12_81758450
chr1	39671410	39671410	+	6.422E-22	1.88843E-20	0.260162	hyper	sig	chr1_39671410
chr1	65526076	65526076	+	6.425E-22	1.88944E-20	0.285588	hyper	sig	chr1_65526076
chr10	3208759	3208759	+	6.426E-22	1.88944E-20	-0.26474	hypo	sig	chr10_3208759

chr4	1.66E+08	165874103	+	6.44E-22	1.89362E-20	0.239453	hyper	sig	chr4_165874103
chr15	28832218	28832218	+	6.443E-22	1.89447E-20	0.221298	hyper	sig	chr15_28832218
chr7	2607130	2607130	+	6.445E-22	1.8948E-20	-0.26141	hypo	sig	chr7_2607130
chr8	64575676	64575676	+	6.447E-22	1.89531E-20	0.220596	hyper	sig	chr8_64575676
chr13	1.13E+08	113110257	+	6.456E-22	1.89794E-20	0.298937	hyper	sig	chr13_113110257
chr11	69819595	69819595	+	6.456E-22	1.89798E-20	0.21206	hyper	sig	chr11_69819595
chr18	67517363	67517363	+	6.46E-22	1.89912E-20	0.222498	hyper	sig	chr18_67517363
chr16	841435	841435	+	6.473E-22	1.90269E-20	-0.24205	hypo	sig	chr16_841435
chr5	1.23E+08	123095020	+	6.477E-22	1.90404E-20	0.248366	hyper	sig	chr5_123095020
chr16	1443858	1443858	+	6.482E-22	1.90531E-20	-0.24476	hypo	sig	chr16_1443858
chr3	1.41E+08	141069629	+	6.483E-22	1.90544E-20	-0.23736	hypo	sig	chr3_141069629
chr6	28475010	28475010	+	6.486E-22	1.90619E-20	0.22911	hyper	sig	chr6_28475010
chr2	2.02E+08	202123545	+	6.492E-22	1.90797E-20	-0.30891	hypo	sig	chr2_202123545
chr10	93566357	93566357	+	6.497E-22	1.90924E-20	-0.21271	hypo	sig	chr10_93566357
chr20	60087888	60087888	+	6.498E-22	1.90961E-20	0.223724	hyper	sig	chr20_60087888
chr3	1.3E+08	129975174	+	6.503E-22	1.91109E-20	0.304626	hyper	sig	chr3_129975174
chr14	74240258	74240258	+	6.508E-22	1.91252E-20	0.212477	hyper	sig	chr14_74240258
chr7	1.58E+08	157795910	+	6.51E-22	1.91303E-20	-0.25583	hypo	sig	chr7_157795910
chr15	59993492	59993492	+	6.512E-22	1.91352E-20	0.222366	hyper	sig	chr15_59993492
chr4	1.11E+08	110614378	+	6.518E-22	1.91516E-20	0.294293	hyper	sig	chr4_110614378
chr1	1.19E+08	118985015	+	6.519E-22	1.9152E-20	0.32235	hyper	sig	chr1_118985015
chr13	1.13E+08	113405895	+	6.522E-22	1.91601E-20	-0.27084	hypo	sig	chr13_113405895
chr6	41503276	41503276	+	6.537E-22	1.92052E-20	-0.35193	hypo	sig	chr6_41503276
chr11	1.3E+08	129743652	+	6.544E-22	1.92239E-20	-0.2621	hypo	sig	chr11_129743652
chr20	45298011	45298011	+	6.554E-22	1.92544E-20	-0.25513	hypo	sig	chr20_45298011
chr11	1026029	1026029	+	6.558E-22	1.92649E-20	-0.30746	hypo	sig	chr11_1026029
chr8	1.16E+08	115648316	+	6.559E-22	1.92655E-20	0.285727	hyper	sig	chr8_115648316
chr12	1.32E+08	131617475	+	6.56E-22	1.92704E-20	-0.21383	hypo	sig	chr12_131617475
chr11	20596664	20596664	+	6.568E-22	1.92925E-20	0.242356	hyper	sig	chr11_20596664
chr4	20253631	20253631	+	6.571E-22	1.93009E-20	0.224234	hyper	sig	chr4_20253631
chr1	6003111	6003111	+	6.577E-22	1.93154E-20	-0.27129	hypo	sig	chr1_6003111
chr7	4078911	4078911	+	6.587E-22	1.93465E-20	-0.22845	hypo	sig	chr7_4078911
chr17	48582337	48582337	+	6.611E-22	1.94136E-20	-0.21572	hypo	sig	chr17_48582337
chr1	1.55E+08	155243956	+	6.614E-22	1.94207E-20	-0.23743	hypo	sig	chr1_155243956
chr1	2.03E+08	203223628	+	6.624E-22	1.94504E-20	-0.22721	hypo	sig	chr1_203223628
chr15	83284183	83284183	+	6.627E-22	1.94601E-20	0.31988	hyper	sig	chr15_83284183
chr6	33167979	33167979	+	6.629E-22	1.9465E-20	-0.24723	hypo	sig	chr6_33167979
chr13	40485003	40485003	+	6.633E-22	1.94753E-20	-0.34902	hypo	sig	chr13_40485003
chr4	3680807	3680807	+	6.635E-22	1.948E-20	-0.2106	hypo	sig	chr4_3680807
chr16	1225494	1225494	+	6.637E-22	1.94849E-20	-0.29247	hypo	sig	chr16_1225494
chr19	728118	728118	+	6.647E-22	1.95151E-20	-0.24481	hypo	sig	chr19_728118
chr8	88326851	88326851	+	6.66E-22	1.95499E-20	0.221469	hyper	sig	chr8_88326851
chr19	53037646	53037646	+	6.671E-22	1.95827E-20	0.262879	hyper	sig	chr19_53037646
chr13	95552879	95552879	+	6.672E-22	1.95849E-20	0.347669	hyper	sig	chr13_95552879
chr6	1.67E+08	167290406	+	6.677E-22	1.95981E-20	-0.2568	hypo	sig	chr6_167290406
chr8	64373711	64373711	+	6.678E-22	1.96007E-20	0.292096	hyper	sig	chr8_64373711
chr16	88818641	88818641	+	6.681E-22	1.9608E-20	-0.20703	hypo	sig	chr16_88818641
chr1	3543811	3543811	+	6.682E-22	1.96094E-20	-0.25543	hypo	sig	chr1_3543811
chr9	970954	970954	+	6.686E-22	1.96213E-20	0.318546	hyper	sig	chr9_970954
chr7	1.22E+08	122299780	+	6.688E-22	1.9626E-20	0.240401	hyper	sig	chr7_122299780
chr17	82710720	82710720	+	6.693E-22	1.96401E-20	-0.21013	hypo	sig	chr17_82710720
chr11	19346122	19346122	+	6.698E-22	1.96533E-20	0.245331	hyper	sig	chr11_19346122
chr21	45005028	45005028	+	6.699E-22	1.96569E-20	-0.23158	hypo	sig	chr21_45005028
chr4	1.11E+08	110633810	+	6.702E-22	1.96637E-20	0.254583	hyper	sig	chr4_110633810
chr19	58581393	58581393	+	6.723E-22	1.97259E-20	0.268431	hyper	sig	chr19_58581393
chr8	52939203	52939203	+	6.727E-22	1.97372E-20	0.297105	hyper	sig	chr8_52939203

chr22	45890051	45890051	+	6.745E-22	1.97883E-20	0.262946	hyper	sig	chr22_45890051
chr2	1.58E+08	157597546	+	6.748E-22	1.97967E-20	0.266745	hyper	sig	chr2_157597546
chr8	1.43E+08	143187166	+	6.769E-22	1.98562E-20	-0.29728	hypo	sig	chr8_143187166
chr11	1.23E+08	122977756	+	6.773E-22	1.98674E-20	0.250863	hyper	sig	chr11_122977756
chr19	57889257	57889257	+	6.807E-22	1.99636E-20	0.266358	hyper	sig	chr19_57889257
chr6	12749128	12749128	+	6.822E-22	2.00094E-20	0.251718	hyper	sig	chr6_12749128
chr12	85273654	85273654	+	6.827E-22	2.00228E-20	0.240233	hyper	sig	chr12_85273654
chr4	55125266	55125266	+	6.844E-22	2.00701E-20	0.284349	hyper	sig	chr4_55125266
chr1	1.98E+08	197921349	+	6.844E-22	2.00711E-20	0.213839	hyper	sig	chr1_197921349
chr6	1.33E+08	133240511	+	6.846E-22	2.00746E-20	0.251235	hyper	sig	chr6_133240511
chr12	72271945	72271945	+	6.852E-22	2.00928E-20	0.278552	hyper	sig	chr12_72271945
chr8	64576483	64576483	+	6.855E-22	2.01014E-20	0.200493	hyper	sig	chr8_64576483
chr13	1.08E+08	107866048	+	6.865E-22	2.01285E-20	0.272065	hyper	sig	chr13_107866048
chr13	26557347	26557347	+	6.866E-22	2.01305E-20	0.211689	hyper	sig	chr13_26557347
chr15	89408579	89408579	+	6.867E-22	2.01325E-20	0.201784	hyper	sig	chr15_89408579
chr12	1.13E+08	113479639	+	6.873E-22	2.01493E-20	0.22025	hyper	sig	chr12_113479639
chr1	1.44E+08	143661244	+	6.876E-22	2.01573E-20	0.225507	hyper	sig	chr1_143661244
chr22	24427487	24427487	+	6.877E-22	2.01607E-20	-0.22929	hypo	sig	chr22_24427487
chr10	1.25E+08	124623719	+	6.885E-22	2.01818E-20	0.225604	hyper	sig	chr10_124623719
chr12	53973199	53973199	+	6.888E-22	2.0191E-20	0.249847	hyper	sig	chr12_53973199
chr5	88684481	88684481	+	6.93E-22	2.03123E-20	0.209885	hyper	sig	chr5_88684481
chr7	2080009	2080009	+	6.93E-22	2.03123E-20	-0.26526	hypo	sig	chr7_2080009
chr17	75784211	75784211	+	6.938E-22	2.03342E-20	-0.21479	hypo	sig	chr17_75784211
chr8	56113368	56113368	+	6.967E-22	2.0418E-20	0.283663	hyper	sig	chr8_56113368
chr7	96999699	96999699	+	6.971E-22	2.04286E-20	0.266585	hyper	sig	chr7_96999699
chr8	10425689	10425689	+	6.98E-22	2.04546E-20	-0.21005	hypo	sig	chr8_10425689
chr19	18772991	18772991	+	6.984E-22	2.04635E-20	-0.27153	hypo	sig	chr19_18772991
chr7	1211489	1211489	+	6.993E-22	2.049E-20	-0.24187	hypo	sig	chr7_1211489
chr1	2.08E+08	207645540	+	6.996E-22	2.04965E-20	0.213187	hyper	sig	chr1_207645540
chr10	1.33E+08	132844097	+	6.998E-22	2.05005E-20	-0.29887	hypo	sig	chr10_132844097
chr7	1348971	1348971	+	6.999E-22	2.05044E-20	-0.24196	hypo	sig	chr7_1348971
chr11	20669689	20669689	+	7.004E-22	2.05176E-20	0.349203	hyper	sig	chr11_20669689
chr2	80322888	80322888	+	7.009E-22	2.05295E-20	0.204706	hyper	sig	chr2_80322888
chr5	1.8E+08	180331101	+	7.022E-22	2.05676E-20	-0.29011	hypo	sig	chr5_180331101
chr13	1.12E+08	112351967	+	7.046E-22	2.06356E-20	-0.24758	hypo	sig	chr13_112351967
chr3	39189631	39189631	+	7.065E-22	2.06908E-20	-0.21225	hypo	sig	chr3_39189631
chr3	1.26E+08	125756177	+	7.072E-22	2.07104E-20	-0.28566	hypo	sig	chr3_125756177
chr19	18304968	18304968	+	7.075E-22	2.07168E-20	-0.2307	hypo	sig	chr19_18304968
chr12	1.32E+08	132261044	+	7.095E-22	2.07753E-20	-0.24313	hypo	sig	chr12_132261044
chr2	44933306	44933306	+	7.106E-22	2.08064E-20	0.206552	hyper	sig	chr2_44933306
chr20	38805573	38805573	+	7.116E-22	2.08372E-20	0.236995	hyper	sig	chr20_38805573
chr6	1.17E+08	117263602	+	7.141E-22	2.0909E-20	0.24071	hyper	sig	chr6_117263602
chr8	64371482	64371482	+	7.144E-22	2.09155E-20	0.238636	hyper	sig	chr8_64371482
chr16	88818524	88818524	+	7.151E-22	2.09348E-20	-0.25753	hypo	sig	chr16_88818524
chr22	45162536	45162536	+	7.151E-22	2.0936E-20	-0.32244	hypo	sig	chr22_45162536
chr8	1.41E+08	141230967	+	7.155E-22	2.09465E-20	-0.35371	hypo	sig	chr8_141230967
chr7	30687243	30687243	+	7.165E-22	2.09743E-20	-0.27023	hypo	sig	chr7_30687243
chr8	88328251	88328251	+	7.167E-22	2.09791E-20	0.233509	hyper	sig	chr8_88328251
chr22	46661478	46661478	+	7.193E-22	2.10551E-20	-0.24072	hypo	sig	chr22_46661478
chr5	51387808	51387808	+	7.202E-22	2.10811E-20	0.216404	hyper	sig	chr5_51387808
chr7	97020940	97020940	+	7.211E-22	2.11036E-20	0.236208	hyper	sig	chr7_97020940
chr13	50132892	50132892	+	7.233E-22	2.11683E-20	0.260852	hyper	sig	chr13_50132892
chr14	94774163	94774163	+	7.238E-22	2.11828E-20	0.24539	hyper	sig	chr14_94774163
chr13	1.1E+08	110438551	+	7.239E-22	2.11838E-20	-0.20321	hypo	sig	chr13_110438551
chr10	1.32E+08	132143227	+	7.24E-22	2.11844E-20	-0.29019	hypo	sig	chr10_132143227
chr6	30164134	30164134	+	7.246E-22	2.12033E-20	-0.24104	hypo	sig	chr6_30164134

chr19	36245748	36245748	+	7.252E-22	2.12199E-20	0.2816	hyper	sig	chr19_36245748
chr17	18625522	18625522	+	7.254E-22	2.12253E-20	0.232567	hyper	sig	chr17_18625522
chr1	18632832	18632832	+	7.265E-22	2.12558E-20	0.205239	hyper	sig	chr1_18632832
chr7	41700158	41700158	+	7.281E-22	2.13013E-20	0.200874	hyper	sig	chr7_41700158
chr9	1.14E+08	114388215	+	7.284E-22	2.13096E-20	0.234746	hyper	sig	chr9_114388215
chr11	92226033	92226033	+	7.293E-22	2.13342E-20	0.261546	hyper	sig	chr11_92226033
chr1	2.08E+08	207669661	+	7.304E-22	2.13667E-20	0.335688	hyper	sig	chr1_207669661
chr2	44803194	44803194	+	7.322E-22	2.14159E-20	0.278567	hyper	sig	chr2_44803194
chr20	56925997	56925997	+	7.339E-22	2.14666E-20	0.246359	hyper	sig	chr20_56925997
chr19	4555966	4555966	+	7.356E-22	2.1515E-20	-0.2414	hypo	sig	chr19_4555966
chr2	10548120	10548120	+	7.379E-22	2.15778E-20	-0.20513	hypo	sig	chr2_10548120
chr7	533426	533426	+	7.385E-22	2.15954E-20	-0.29461	hypo	sig	chr7_533426
chr12	1.1E+08	109606787	+	7.394E-22	2.1619E-20	-0.27886	hypo	sig	chr12_109606787
chr17	35432563	35432563	+	7.413E-22	2.16739E-20	0.294544	hyper	sig	chr17_35432563
chr2	1.13E+08	113291279	+	7.419E-22	2.16923E-20	0.226126	hyper	sig	chr2_113291279
chr4	6221848	6221848	+	7.42E-22	2.16941E-20	0.326623	hyper	sig	chr4_6221848
chr1	63320343	63320343	+	7.426E-22	2.17097E-20	0.222026	hyper	sig	chr1_63320343
chr10	1.01E+08	101228435	+	7.427E-22	2.17133E-20	0.219301	hyper	sig	chr10_101228435
chr19	57614731	57614731	+	7.44E-22	2.17481E-20	0.299823	hyper	sig	chr19_57614731
chr12	1.14E+08	114447549	+	7.461E-22	2.18103E-20	0.234365	hyper	sig	chr12_114447549
chr1	90717494	90717494	+	7.463E-22	2.1814E-20	0.260946	hyper	sig	chr1_90717494
chr4	1.11E+08	110639651	+	7.466E-22	2.18214E-20	0.232072	hyper	sig	chr4_110639651
chr20	38729453	38729453	+	7.494E-22	2.19018E-20	0.218817	hyper	sig	chr20_38729453
chr14	97219493	97219493	+	7.507E-22	2.1937E-20	0.235738	hyper	sig	chr14_97219493
chr13	50133363	50133363	+	7.512E-22	2.19508E-20	0.249221	hyper	sig	chr13_50133363
chr3	1.94E+08	194370463	+	7.515E-22	2.19594E-20	-0.3066	hypo	sig	chr3_194370463
chr17	78232152	78232152	+	7.516E-22	2.19616E-20	0.22136	hyper	sig	chr17_78232152
chr17	48722124	48722124	+	7.521E-22	2.19751E-20	0.278611	hyper	sig	chr17_48722124
chr7	97022685	97022685	+	7.522E-22	2.19769E-20	0.24101	hyper	sig	chr7_97022685
chr7	1.3E+08	130490932	+	7.541E-22	2.20337E-20	0.291393	hyper	sig	chr7_130490932
chr2	1.3E+08	129723396	+	7.558E-22	2.20808E-20	-0.25757	hypo	sig	chr2_129723396
chr6	32069071	32069071	+	7.563E-22	2.20928E-20	-0.25064	hypo	sig	chr6_32069071
chr1	2.07E+08	207453123	+	7.565E-22	2.20986E-20	-0.25067	hypo	sig	chr1_207453123
chr17	35374338	35374338	+	7.569E-22	2.21086E-20	0.216798	hyper	sig	chr17_35374338
chr12	1.07E+08	106585875	+	7.576E-22	2.21279E-20	0.247889	hyper	sig	chr12_106585875
chr2	1.13E+08	113291309	+	7.591E-22	2.21723E-20	0.230704	hyper	sig	chr2_113291309
chr9	1.33E+08	132986290	+	7.592E-22	2.21734E-20	-0.33063	hypo	sig	chr9_132986290
chr6	98825281	98825281	+	7.593E-22	2.2175E-20	0.248144	hyper	sig	chr6_98825281
chr10	1.03E+08	103278018	+	7.633E-22	2.22902E-20	0.23722	hyper	sig	chr10_103278018
chr5	959047	959047	+	7.637E-22	2.23013E-20	-0.21893	hypo	sig	chr5_959047
chr10	1.01E+08	101064055	+	7.663E-22	2.23762E-20	-0.26316	hypo	sig	chr10_101064055
chr2	1.8E+08	179861970	+	7.672E-22	2.23995E-20	0.200878	hyper	sig	chr2_179861970
chr9	3181080	3181080	+	7.683E-22	2.24317E-20	0.264279	hyper	sig	chr9_3181080
chr11	32428599	32428599	+	7.693E-22	2.24612E-20	0.24823	hyper	sig	chr11_32428599
chr3	1.85E+08	184769873	+	7.703E-22	2.24881E-20	-0.2823	hypo	sig	chr3_184769873
chr11	1.23E+08	122977412	+	7.708E-22	2.25032E-20	0.275596	hyper	sig	chr11_122977412
chr16	88975622	88975622	+	7.709E-22	2.25051E-20	-0.25701	hypo	sig	chr16_88975622
chr1	1.47E+08	147079011	+	7.71E-22	2.25081E-20	0.237974	hyper	sig	chr1_147079011
chr9	977818	977818	+	7.719E-22	2.25332E-20	0.256315	hyper	sig	chr9_977818
chr6	1.08E+08	108171115	+	7.721E-22	2.25381E-20	0.289313	hyper	sig	chr6_108171115
chr11	3224994	3224994	+	7.724E-22	2.25463E-20	0.281244	hyper	sig	chr11_3224994
chr3	55474517	55474517	+	7.73E-22	2.2563E-20	0.223015	hyper	sig	chr3_55474517
chr1	3063926	3063926	+	7.737E-22	2.25804E-20	0.21043	hyper	sig	chr1_3063926
chr2	74516419	74516419	+	7.742E-22	2.25965E-20	0.280783	hyper	sig	chr2_74516419
chr7	2567064	2567064	+	7.768E-22	2.26711E-20	0.265591	hyper	sig	chr7_2567064
chr12	85279451	85279451	+	7.769E-22	2.26737E-20	0.291382	hyper	sig	chr12_85279451

chr11	94401505	94401505	+	7.789E-22	2.27296E-20	0.244635	hyper	sig	chr11_94401505
chr7	50450754	50450754	+	7.79E-22	2.27311E-20	0.233222	hyper	sig	chr7_50450754
chr16	87518059	87518059	+	7.794E-22	2.27401E-20	-0.30629	hypo	sig	chr16_87518059
chr8	25000965	25000965	+	7.807E-22	2.27761E-20	0.219085	hyper	sig	chr8_25000965
chr4	41882523	41882523	+	7.822E-22	2.28203E-20	0.274519	hyper	sig	chr4_41882523
chr13	70107672	70107672	+	7.826E-22	2.28297E-20	0.272882	hyper	sig	chr13_70107672
chr5	45695365	45695365	+	7.855E-22	2.29125E-20	0.244894	hyper	sig	chr5_45695365
chr19	4555932	4555932	+	7.859E-22	2.29245E-20	-0.31664	hypo	sig	chr19_4555932
chr6	32085323	32085323	+	7.875E-22	2.29706E-20	-0.27282	hypo	sig	chr6_32085323
chr5	1.34E+08	134114041	+	7.878E-22	2.29777E-20	0.218531	hyper	sig	chr5_134114041
chr22	48977364	48977364	+	7.898E-22	2.30325E-20	-0.22379	hypo	sig	chr22_48977364
chr12	1.15E+08	114699977	+	7.9E-22	2.30377E-20	0.234903	hyper	sig	chr12_114699977
chr11	78672841	78672841	+	7.903E-22	2.30472E-20	-0.28216	hypo	sig	chr11_78672841
chr5	93587805	93587805	+	7.913E-22	2.3074E-20	0.265213	hyper	sig	chr5_93587805
chr14	74240263	74240263	+	7.917E-22	2.30842E-20	0.260322	hyper	sig	chr14_74240263
chr8	71558747	71558747	+	7.922E-22	2.30977E-20	0.239768	hyper	sig	chr8_71558747
chr16	561384	561384	+	7.932E-22	2.31259E-20	-0.24824	hypo	sig	chr16_561384
chr5	531171	531171	+	7.934E-22	2.31299E-20	0.260267	hyper	sig	chr5_531171
chr11	1.16E+08	115660272	+	7.952E-22	2.31821E-20	0.200545	hyper	sig	chr11_115660272
chr20	21702253	21702253	+	7.962E-22	2.32089E-20	0.254326	hyper	sig	chr20_21702253
chr7	73829406	73829406	+	7.964E-22	2.32156E-20	-0.22237	hypo	sig	chr7_73829406
chr1	35577465	35577465	+	7.97E-22	2.323E-20	0.230469	hyper	sig	chr1_35577465
chr14	1.05E+08	104588712	+	7.97E-22	2.32311E-20	-0.22775	hypo	sig	chr14_104588712
chr16	89085087	89085087	+	7.973E-22	2.32371E-20	-0.22904	hypo	sig	chr16_89085087
chr2	20107042	20107042	+	7.976E-22	2.32445E-20	0.260486	hyper	sig	chr2_20107042
chr4	1.21E+08	121380479	+	7.983E-22	2.32642E-20	0.28017	hyper	sig	chr4_121380479
chr3	50322545	50322545	+	7.985E-22	2.32699E-20	-0.2197	hypo	sig	chr3_50322545
chr4	8601512	8601512	+	7.987E-22	2.32738E-20	-0.31093	hypo	sig	chr4_8601512
chr1	6466336	6466336	+	7.989E-22	2.32802E-20	0.234261	hyper	sig	chr1_6466336
chr3	62368098	62368098	+	8.002E-22	2.33175E-20	0.251189	hyper	sig	chr3_62368098
chr8	56113143	56113143	+	8.003E-22	2.33197E-20	0.249066	hyper	sig	chr8_56113143
chr15	90004802	90004802	+	8.009E-22	2.3336E-20	-0.29351	hypo	sig	chr15_90004802
chr2	1.19E+08	118858422	+	8.012E-22	2.33435E-20	0.253201	hyper	sig	chr2_118858422
chr17	80478248	80478248	+	8.013E-22	2.33448E-20	0.209169	hyper	sig	chr17_80478248
chr17	78853099	78853099	+	8.028E-22	2.33883E-20	-0.23251	hypo	sig	chr17_78853099
chr1	90725044	90725044	+	8.035E-22	2.34083E-20	0.265981	hyper	sig	chr1_90725044
chr2	2.02E+08	202035630	+	8.036E-22	2.34084E-20	0.255962	hyper	sig	chr2_202035630
chr12	1.31E+08	131494589	+	8.044E-22	2.34332E-20	-0.2395	hypo	sig	chr12_131494589
chr18	57441859	57441859	+	8.05E-22	2.34487E-20	0.217067	hyper	sig	chr18_57441859
chr7	23247650	23247650	+	8.054E-22	2.34591E-20	0.315303	hyper	sig	chr7_23247650
chr4	1.13E+08	112511614	+	8.083E-22	2.35401E-20	0.203401	hyper	sig	chr4_112511614
chr7	1.06E+08	105963297	+	8.095E-22	2.35744E-20	-0.25826	hypo	sig	chr7_105963297
chr17	41467824	41467824	+	8.1E-22	2.35882E-20	-0.2802	hypo	sig	chr17_41467824
chr1	79006754	79006754	+	8.106E-22	2.36048E-20	0.268116	hyper	sig	chr1_79006754
chr1	2.29E+08	229407299	+	8.106E-22	2.36048E-20	0.261305	hyper	sig	chr1_229407299
chr2	1.13E+08	113291252	+	8.106E-22	2.36048E-20	0.23121	hyper	sig	chr2_113291252
chr1	1.13E+08	112719197	+	8.12E-22	2.36441E-20	-0.23328	hypo	sig	chr1_112719197
chr8	11347234	11347234	+	8.12E-22	2.36445E-20	0.246693	hyper	sig	chr8_11347234
chr10	1.33E+08	132527745	+	8.126E-22	2.36592E-20	-0.21129	hypo	sig	chr10_132527745
chr7	1.37E+08	136869404	+	8.135E-22	2.36856E-20	0.319561	hyper	sig	chr7_136869404
chr2	40451549	40451549	+	8.178E-22	2.38072E-20	0.220535	hyper	sig	chr2_40451549
chr13	78596788	78596788	+	8.19E-22	2.38407E-20	0.244213	hyper	sig	chr13_78596788
chr10	1.01E+08	100519696	+	8.197E-22	2.38617E-20	0.301351	hyper	sig	chr10_100519696
chr13	36297811	36297811	+	8.206E-22	2.38871E-20	0.243405	hyper	sig	chr13_36297811
chr12	24903249	24903249	+	8.208E-22	2.38922E-20	0.284292	hyper	sig	chr12_24903249
chr22	19739364	19739364	+	8.222E-22	2.39294E-20	-0.29559	hypo	sig	chr22_19739364

chr1	99004060	99004060	+	8.223E-22	2.39316E-20	0.353011	hyper	sig	chr1_99004060
chr11	70826881	70826881	+	8.239E-22	2.39777E-20	0.203055	hyper	sig	chr11_70826881
chr2	1.39E+08	138897301	+	8.251E-22	2.40112E-20	-0.22089	hypo	sig	chr2_138897301
chr11	73263110	73263110	+	8.252E-22	2.40136E-20	-0.23945	hypo	sig	chr11_73263110
chr3	1.14E+08	114239056	+	8.26E-22	2.40382E-20	-0.24775	hypo	sig	chr3_114239056
chr17	49462465	49462465	+	8.279E-22	2.40924E-20	-0.22357	hypo	sig	chr17_49462465
chr6	10393264	10393264	+	8.284E-22	2.41065E-20	0.254554	hyper	sig	chr6_10393264
chr11	67452193	67452193	+	8.288E-22	2.41173E-20	-0.23038	hypo	sig	chr11_67452193
chr7	73978485	73978485	+	8.298E-22	2.41447E-20	-0.32156	hypo	sig	chr7_73978485
chr6	1.7E+08	170244262	+	8.302E-22	2.41558E-20	-0.21022	hypo	sig	chr6_170244262
chr14	1.05E+08	104637363	+	8.304E-22	2.41597E-20	-0.2614	hypo	sig	chr14_104637363
chr14	1.05E+08	104926834	+	8.31E-22	2.4177E-20	-0.30315	hypo	sig	chr14_104926834
chr5	1.23E+08	123095002	+	8.312E-22	2.41795E-20	0.252934	hyper	sig	chr5_123095002
chr1	1.81E+08	181483705	+	8.353E-22	2.42994E-20	0.24545	hyper	sig	chr1_181483705
chr1	1.47E+08	147080919	+	8.358E-22	2.43117E-20	0.216674	hyper	sig	chr1_147080919
chr3	1.35E+08	134793638	+	8.367E-22	2.43363E-20	-0.24611	hypo	sig	chr3_134793638
chr13	23547231	23547231	+	8.382E-22	2.43784E-20	0.275529	hyper	sig	chr13_23547231
chr1	1.57E+08	156849187	+	8.387E-22	2.43913E-20	0.286733	hyper	sig	chr1_156849187
chr22	46085363	46085363	+	8.396E-22	2.44163E-20	-0.2451	hypo	sig	chr22_46085363
chr16	89052615	89052615	+	8.4E-22	2.44284E-20	-0.31085	hypo	sig	chr16_89052615
chr5	1.46E+08	146379286	+	8.422E-22	2.44903E-20	0.268747	hyper	sig	chr5_146379286
chr19	861829	861829	+	8.423E-22	2.44927E-20	-0.20895	hypo	sig	chr19_861829
chr20	46541132	46541132	+	8.433E-22	2.45204E-20	-0.31039	hypo	sig	chr20_46541132
chr10	34974228	34974228	+	8.444E-22	2.45504E-20	-0.33197	hypo	sig	chr10_34974228
chr2	2.22E+08	222303770	+	8.457E-22	2.45884E-20	0.248445	hyper	sig	chr2_222303770
chr20	19975141	19975141	+	8.481E-22	2.46578E-20	0.315071	hyper	sig	chr20_19975141
chr13	1.13E+08	112771716	+	8.487E-22	2.46716E-20	-0.2099	hypo	sig	chr13_112771716
chr5	5140813	5140813	+	8.488E-22	2.46739E-20	0.286352	hyper	sig	chr5_5140813
chr2	11618552	11618552	+	8.506E-22	2.47236E-20	-0.23512	hypo	sig	chr2_11618552
chr10	7173417	7173417	+	8.527E-22	2.47832E-20	-0.28552	hypo	sig	chr10_7173417
chr1	42153492	42153492	+	8.529E-22	2.47888E-20	-0.21838	hypo	sig	chr1_42153492
chr2	88017762	88017762	+	8.536E-22	2.48068E-20	-0.29571	hypo	sig	chr2_88017762
chr5	88889506	88889506	+	8.564E-22	2.48851E-20	0.292777	hyper	sig	chr5_88889506
chr7	1.57E+08	157020329	+	8.574E-22	2.49114E-20	0.227859	hyper	sig	chr7_157020329
chr2	94994305	94994305	+	8.583E-22	2.49355E-20	-0.27899	hypo	sig	chr2_94994305
chr1	92480164	92480164	+	8.59E-22	2.49565E-20	0.21514	hyper	sig	chr1_92480164
chr16	2212803	2212803	+	8.629E-22	2.50667E-20	-0.21311	hypo	sig	chr16_2212803
chr17	65538310	65538310	+	8.687E-22	2.52333E-20	-0.31496	hypo	sig	chr17_65538310
chr1	1.83E+08	182752334	+	8.696E-22	2.52591E-20	-0.28638	hypo	sig	chr1_182752334
chr9	1.31E+08	131259687	+	8.712E-22	2.53042E-20	-0.2165	hypo	sig	chr9_131259687
chr3	62368095	62368095	+	8.723E-22	2.53352E-20	0.254417	hyper	sig	chr3_62368095
chr13	27927972	27927972	+	8.731E-22	2.53564E-20	0.217669	hyper	sig	chr13_27927972
chr6	50706830	50706830	+	8.742E-22	2.53884E-20	0.228979	hyper	sig	chr6_50706830
chr8	1.43E+08	142777162	+	8.743E-22	2.53884E-20	0.214447	hyper	sig	chr8_142777162
chr2	2.33E+08	232519836	+	8.747E-22	2.5402E-20	-0.31773	hypo	sig	chr2_232519836
chr19	58356313	58356313	+	8.76E-22	2.54361E-20	0.228813	hyper	sig	chr19_58356313
chr11	20596704	20596704	+	8.765E-22	2.54503E-20	0.221193	hyper	sig	chr11_20596704
chr20	25083651	25083651	+	8.765E-22	2.54509E-20	0.260573	hyper	sig	chr20_25083651
chr12	12884928	12884928	+	8.786E-22	2.55099E-20	-0.4477	hypo	sig	chr12_12884928
chr11	1.23E+08	122977390	+	8.799E-22	2.55462E-20	0.300548	hyper	sig	chr11_122977390
chr11	22667187	22667187	+	8.813E-22	2.55842E-20	0.213708	hyper	sig	chr11_22667187
chr1	47433558	47433558	+	8.832E-22	2.56396E-20	0.317375	hyper	sig	chr1_47433558
chr6	1.33E+08	133242725	+	8.838E-22	2.56558E-20	0.251099	hyper	sig	chr6_133242725
chr12	54034376	54034376	+	8.842E-22	2.56667E-20	0.241672	hyper	sig	chr12_54034376
chr1	1.81E+08	181412199	+	8.852E-22	2.56937E-20	-0.27461	hypo	sig	chr1_181412199
chr4	13529592	13529592	+	8.874E-22	2.57561E-20	0.237249	hyper	sig	chr4_13529592

chr19	56393278	56393278	+	8.877E-22	2.57636E-20	0.219585	hyper	sig	chr19_56393278
chr8	1.45E+08	144713160	+	8.888E-22	2.5794E-20	0.278303	hyper	sig	chr8_144713160
chr13	91399508	91399508	+	8.924E-22	2.58969E-20	0.249087	hyper	sig	chr13_91399508
chr15	57591194	57591194	+	8.924E-22	2.58975E-20	-0.27265	hypo	sig	chr15_57591194
chr2	29075608	29075608	+	8.927E-22	2.59048E-20	-0.3242	hypo	sig	chr2_29075608
chr1	1.47E+08	147078507	+	8.939E-22	2.59361E-20	0.252326	hyper	sig	chr1_147078507
chr11	73263081	73263081	+	8.939E-22	2.59361E-20	-0.24856	hypo	sig	chr11_73263081
chr8	54455009	54455009	+	8.939E-22	2.59361E-20	0.27433	hyper	sig	chr8_54455009
chr11	86195474	86195474	+	8.95E-22	2.59642E-20	-0.32773	hypo	sig	chr11_86195474
chr19	52536181	52536181	+	8.951E-22	2.59665E-20	0.239353	hyper	sig	chr19_52536181
chr18	57428634	57428634	+	8.974E-22	2.60329E-20	0.264778	hyper	sig	chr18_57428634
chr18	50298702	50298702	+	8.982E-22	2.60532E-20	0.204668	hyper	sig	chr18_50298702
chr11	862796	862796	+	8.996E-22	2.60946E-20	-0.23444	hypo	sig	chr11_862796
chr3	1.85E+08	184583359	+	9.013E-22	2.61412E-20	0.299589	hyper	sig	chr3_184583359
chr10	1.24E+08	123992072	+	9.018E-22	2.61563E-20	0.248648	hyper	sig	chr10_123992072
chr11	1.3E+08	129743735	+	9.035E-22	2.62037E-20	-0.27383	hypo	sig	chr11_129743735
chr19	15233538	15233538	+	9.052E-22	2.62527E-20	0.216171	hyper	sig	chr19_15233538
chr4	55125241	55125241	+	9.053E-22	2.62543E-20	0.264781	hyper	sig	chr4_55125241
chr1	1.19E+08	118986769	+	9.054E-22	2.62545E-20	0.229699	hyper	sig	chr1_118986769
chr1	9721210	9721210	+	9.062E-22	2.62767E-20	-0.22102	hypo	sig	chr1_9721210
chr6	10884164	10884164	+	9.064E-22	2.62806E-20	0.347514	hyper	sig	chr6_10884164
chr19	2774583	2774583	+	9.067E-22	2.62905E-20	-0.22148	hypo	sig	chr19_2774583
chr8	1.43E+08	142567289	+	9.069E-22	2.62928E-20	-0.2282	hypo	sig	chr8_142567289
chr12	81758639	81758639	+	9.072E-22	2.63014E-20	0.223177	hyper	sig	chr12_81758639
chr13	78607857	78607857	+	9.087E-22	2.63445E-20	0.264442	hyper	sig	chr13_78607857
chr17	81400609	81400609	+	9.093E-22	2.63614E-20	0.216109	hyper	sig	chr17_81400609
chr21	45257867	45257867	+	9.114E-22	2.64221E-20	-0.21022	hypo	sig	chr21_45257867
chr13	20946245	20946245	+	9.115E-22	2.64235E-20	0.285923	hyper	sig	chr13_20946245
chr1	6273390	6273390	+	9.147E-22	2.65147E-20	-0.29323	hypo	sig	chr1_6273390
chr11	1927719	1927719	+	9.167E-22	2.65686E-20	-0.24945	hypo	sig	chr11_1927719
chr10	8036157	8036157	+	9.17E-22	2.6577E-20	0.235169	hyper	sig	chr10_8036157
chr1	3437796	3437796	+	9.189E-22	2.66293E-20	-0.24625	hypo	sig	chr1_3437796
chr11	1.14E+08	114242384	+	9.192E-22	2.66364E-20	-0.22528	hypo	sig	chr11_114242384
chr20	59043445	59043445	+	9.193E-22	2.66379E-20	-0.24427	hypo	sig	chr20_59043445
chr1	1965111	1965111	+	9.207E-22	2.66774E-20	-0.21377	hypo	sig	chr1_1965111
chr4	41747783	41747783	+	9.217E-22	2.6707E-20	0.337055	hyper	sig	chr4_41747783
chr20	1898067	1898067	+	9.225E-22	2.67279E-20	-0.27172	hypo	sig	chr20_1898067
chr2	96527515	96527515	+	9.232E-22	2.6746E-20	0.280427	hyper	sig	chr2_96527515
chr14	23388321	23388321	+	9.243E-22	2.67758E-20	-0.24038	hypo	sig	chr14_23388321
chr20	64240611	64240611	+	9.257E-22	2.68154E-20	-0.22932	hypo	sig	chr20_64240611
chr7	43112682	43112682	+	9.271E-22	2.68563E-20	0.246969	hyper	sig	chr7_43112682
chr15	52795253	52795253	+	9.29E-22	2.69047E-20	0.260558	hyper	sig	chr15_52795253
chr16	1437561	1437561	+	9.333E-22	2.70261E-20	-0.21004	hypo	sig	chr16_1437561
chr19	640933	640933	+	9.344E-22	2.70576E-20	-0.21279	hypo	sig	chr19_640933
chr5	1.46E+08	146340448	+	9.344E-22	2.70576E-20	0.236867	hyper	sig	chr5_146340448
chr2	63056223	63056223	+	9.35E-22	2.70732E-20	0.265934	hyper	sig	chr2_63056223
chr14	69548119	69548119	+	9.368E-22	2.71233E-20	0.29552	hyper	sig	chr14_69548119
chr3	56683770	56683770	+	9.383E-22	2.71668E-20	-0.27405	hypo	sig	chr3_56683770
chr7	1.44E+08	143882546	+	9.385E-22	2.71712E-20	0.387276	hyper	sig	chr7_143882546
chr5	44389243	44389243	+	9.397E-22	2.72057E-20	0.287867	hyper	sig	chr5_44389243
chr11	1.3E+08	129743891	+	9.456E-22	2.73723E-20	-0.32237	hypo	sig	chr11_129743891
chr12	85278534	85278534	+	9.458E-22	2.73769E-20	0.222948	hyper	sig	chr12_85278534
chr1	2932341	2932341	+	9.461E-22	2.73854E-20	-0.2839	hypo	sig	chr1_2932341
chr19	524324	524324	+	9.471E-22	2.74109E-20	-0.2243	hypo	sig	chr19_524324
chr15	82662905	82662905	+	9.476E-22	2.7425E-20	-0.27129	hypo	sig	chr15_82662905
chr3	1.13E+08	113441575	+	9.486E-22	2.74546E-20	0.232483	hyper	sig	chr3_113441575

chr17	34156621	34156621	+	9.489E-22	2.74601E-20	0.20634	hyper	sig	chr17_34156621
chr14	1.05E+08	104637431	+	9.502E-22	2.74967E-20	-0.25295	hypo	sig	chr14_104637431
chr22	39646647	39646647	+	9.504E-22	2.75033E-20	-0.23845	hypo	sig	chr22_39646647
chr10	69571963	69571963	+	9.511E-22	2.75218E-20	0.318497	hyper	sig	chr10_69571963
chr16	51156211	51156211	+	9.52E-22	2.75459E-20	0.245681	hyper	sig	chr16_51156211
chr1	3139394	3139394	+	9.523E-22	2.75524E-20	-0.23001	hypo	sig	chr1_3139394
chr11	2869243	2869243	+	9.539E-22	2.75974E-20	0.205633	hyper	sig	chr11_2869243
chr10	5646593	5646593	+	9.544E-22	2.76114E-20	-0.23894	hypo	sig	chr10_5646593
chr6	1.68E+08	168035649	+	9.548E-22	2.76216E-20	-0.28348	hypo	sig	chr6_168035649
chr17	52160208	52160208	+	9.556E-22	2.7643E-20	0.300777	hyper	sig	chr17_52160208
chr16	83807534	83807534	+	9.572E-22	2.76895E-20	-0.23144	hypo	sig	chr16_83807534
chr1	2.29E+08	229432604	+	9.58E-22	2.77108E-20	0.293269	hyper	sig	chr1_229432604
chr1	2.34E+08	233905104	+	9.588E-22	2.77325E-20	0.233515	hyper	sig	chr1_233905104
chr19	37551309	37551309	+	9.598E-22	2.77591E-20	0.30312	hyper	sig	chr19_37551309
chr12	64390463	64390463	+	9.679E-22	2.79907E-20	0.203835	hyper	sig	chr12_64390463
chr20	21397562	21397562	+	9.711E-22	2.8078E-20	0.219674	hyper	sig	chr20_21397562
chr9	970307	970307	+	9.731E-22	2.81323E-20	0.208324	hyper	sig	chr9_970307
chr17	34156688	34156688	+	9.734E-22	2.81398E-20	0.221189	hyper	sig	chr17_34156688
chr20	63187055	63187055	+	9.738E-22	2.81502E-20	-0.26153	hypo	sig	chr20_63187055
chr20	56625449	56625449	+	9.739E-22	2.81514E-20	0.226365	hyper	sig	chr20_56625449
chr13	1.02E+08	101919860	+	9.74E-22	2.81538E-20	0.277803	hyper	sig	chr13_101919860
chr14	28774509	28774509	+	9.749E-22	2.81782E-20	0.241751	hyper	sig	chr14_28774509
chr5	1.59E+08	159105467	+	9.775E-22	2.82518E-20	0.225675	hyper	sig	chr5_159105467
chr1	41021645	41021645	+	9.783E-22	2.82724E-20	-0.29146	hypo	sig	chr1_41021645
chr1	50416274	50416274	+	9.796E-22	2.8309E-20	0.224104	hyper	sig	chr1_50416274
chr5	1.41E+08	141364934	+	9.807E-22	2.83395E-20	0.201521	hyper	sig	chr5_141364934
chr14	1.04E+08	104182103	+	9.81E-22	2.83464E-20	-0.2656	hypo	sig	chr14_104182103
chr17	42685011	42685011	+	9.816E-22	2.83624E-20	0.293282	hyper	sig	chr17_42685011
chr8	1.43E+08	142510460	+	9.816E-22	2.83624E-20	0.214381	hyper	sig	chr8_142510460
chr14	99321091	99321091	+	9.834E-22	2.84133E-20	-0.22846	hypo	sig	chr14_99321091
chr15	82952209	82952209	+	9.855E-22	2.8472E-20	0.212693	hyper	sig	chr15_82952209
chr1	1.57E+08	156646987	+	9.871E-22	2.85169E-20	0.272836	hyper	sig	chr1_156646987
chr20	21396385	21396385	+	9.882E-22	2.85483E-20	0.214015	hyper	sig	chr20_21396385
chr8	29336923	29336923	+	9.934E-22	2.86948E-20	0.201355	hyper	sig	chr8_29336923
chr6	84768529	84768529	+	9.939E-22	2.87066E-20	0.220307	hyper	sig	chr6_84768529
chr4	74364643	74364643	+	9.947E-22	2.87313E-20	0.2705	hyper	sig	chr4_74364643
chr20	43189328	43189328	+	9.962E-22	2.87696E-20	0.245763	hyper	sig	chr20_43189328
chr7	2606844	2606844	+	9.977E-22	2.88117E-20	-0.21016	hypo	sig	chr7_2606844
chr1	20144410	20144410	+	9.98E-22	2.88199E-20	-0.20303	hypo	sig	chr1_20144410
chr1	1.47E+08	147079205	+	9.982E-22	2.8823E-20	0.303736	hyper	sig	chr1_147079205
chr6	1.63E+08	163415724	+	9.993E-22	2.88546E-20	0.200732	hyper	sig	chr6_163415724
chr7	97013484	97013484	+	1E-21	2.88734E-20	0.219355	hyper	sig	chr7_97013484
chr6	1.05E+08	104953003	+	1E-21	2.88835E-20	0.247622	hyper	sig	chr6_104953003
chr17	79423292	79423292	+	1.003E-21	2.89546E-20	-0.22469	hypo	sig	chr17_79423292
chr10	1.02E+08	102240649	+	1.004E-21	2.89856E-20	0.243151	hyper	sig	chr10_102240649
chr2	1.82E+08	181678506	+	1.004E-21	2.89964E-20	0.221851	hyper	sig	chr2_181678506
chr16	86495032	86495032	+	1.005E-21	2.9019E-20	0.265963	hyper	sig	chr16_86495032
chr11	1414259	1414259	+	1.005E-21	2.90259E-20	-0.25591	hypo	sig	chr11_1414259
chr6	98824048	98824048	+	1.007E-21	2.90638E-20	0.252348	hyper	sig	chr6_98824048
chr16	12090041	12090041	+	1.007E-21	2.907E-20	-0.24134	hypo	sig	chr16_12090041
chr7	1.54E+08	153887331	+	1.011E-21	2.91681E-20	0.32566	hyper	sig	chr7_153887331
chr5	53837204	53837204	+	1.013E-21	2.92297E-20	-0.32876	hypo	sig	chr5_53837204
chr12	53960863	53960863	+	1.014E-21	2.92584E-20	0.209195	hyper	sig	chr12_53960863
chr6	32089564	32089564	+	1.015E-21	2.92785E-20	-0.26922	hypo	sig	chr6_32089564
chr19	42424901	42424901	+	1.015E-21	2.92922E-20	-0.29171	hypo	sig	chr19_42424901
chr3	38642136	38642136	+	1.015E-21	2.93047E-20	-0.2849	hypo	sig	chr3_38642136

chr1	9652527	9652527	+	1.016E-21	2.93206E-20	0.208216	hyper	sig	chr1_9652527
chr5	63962040	63962040	+	1.016E-21	2.93242E-20	0.245206	hyper	sig	chr5_63962040
chr1	3068246	3068246	+	1.017E-21	2.93539E-20	0.230655	hyper	sig	chr1_3068246
chr8	96161439	96161439	+	1.019E-21	2.9412E-20	0.254959	hyper	sig	chr8_96161439
chr16	86504673	86504673	+	1.021E-21	2.94445E-20	0.241607	hyper	sig	chr16_86504673
chr2	70889579	70889579	+	1.022E-21	2.9488E-20	0.219296	hyper	sig	chr2_70889579
chr5	1.73E+08	173244805	+	1.025E-21	2.95606E-20	0.331259	hyper	sig	chr5_173244805
chr15	24477780	24477780	+	1.025E-21	2.9565E-20	0.253157	hyper	sig	chr15_24477780
chr3	55483073	55483073	+	1.026E-21	2.96057E-20	0.233118	hyper	sig	chr3_55483073
chr12	85279492	85279492	+	1.028E-21	2.96602E-20	0.260976	hyper	sig	chr12_85279492
chr5	38403855	38403855	+	1.031E-21	2.97275E-20	-0.31236	hypo	sig	chr5_38403855
chr2	74648350	74648350	+	1.032E-21	2.97626E-20	0.285825	hyper	sig	chr2_74648350
chr13	35475623	35475623	+	1.033E-21	2.97894E-20	0.241374	hyper	sig	chr13_35475623
chr11	1.19E+08	119346621	+	1.035E-21	2.98587E-20	-0.23263	hypo	sig	chr11_119346621
chr6	98824803	98824803	+	1.036E-21	2.9884E-20	0.245087	hyper	sig	chr6_98824803
chr5	1.51E+08	150781810	+	1.036E-21	2.98871E-20	-0.29329	hypo	sig	chr5_150781810
chr4	3767881	3767881	+	1.037E-21	2.98975E-20	0.286489	hyper	sig	chr4_3767881
chr8	1.43E+08	142510442	+	1.037E-21	2.98975E-20	0.216553	hyper	sig	chr8_142510442
chr19	15233588	15233588	+	1.037E-21	2.98987E-20	0.230067	hyper	sig	chr19_15233588
chr15	69813183	69813183	+	1.039E-21	2.99586E-20	-0.34901	hypo	sig	chr15_69813183
chr5	32713414	32713414	+	1.042E-21	3.00327E-20	0.327538	hyper	sig	chr5_32713414
chr2	31580993	31580993	+	1.043E-21	3.00733E-20	0.371914	hyper	sig	chr2_31580993
chr11	20163147	20163147	+	1.044E-21	3.00966E-20	0.203947	hyper	sig	chr11_20163147
chr16	88416795	88416795	+	1.045E-21	3.01355E-20	-0.23298	hypo	sig	chr16_88416795
chr7	71133331	71133331	+	1.046E-21	3.01553E-20	0.273481	hyper	sig	chr7_71133331
chr2	29112926	29112926	+	1.047E-21	3.01756E-20	-0.30653	hypo	sig	chr2_29112926
chr12	1.3E+08	130017923	+	1.047E-21	3.01797E-20	0.21416	hyper	sig	chr12_130017923
chr10	1.33E+08	133029360	+	1.048E-21	3.02178E-20	-0.21783	hypo	sig	chr10_133029360
chr17	39165268	39165268	+	1.049E-21	3.02293E-20	0.276949	hyper	sig	chr17_39165268
chr10	62818371	62818371	+	1.05E-21	3.02559E-20	0.222574	hyper	sig	chr10_62818371
chr14	1.01E+08	100873690	+	1.051E-21	3.0302E-20	-0.20083	hypo	sig	chr14_100873690
chr12	1.3E+08	130161484	+	1.053E-21	3.0334E-20	0.240972	hyper	sig	chr12_130161484
chr21	44601362	44601362	+	1.054E-21	3.03635E-20	-0.27413	hypo	sig	chr21_44601362
chr14	36513508	36513508	+	1.054E-21	3.03809E-20	0.225061	hyper	sig	chr14_36513508
chr14	93787983	93787983	+	1.061E-21	3.05652E-20	0.33166	hyper	sig	chr14_93787983
chr5	1.16E+08	115958712	+	1.062E-21	3.05992E-20	-0.31195	hypo	sig	chr5_115958712
chr19	12194777	12194777	+	1.066E-21	3.07045E-20	0.27922	hyper	sig	chr19_12194777
chr3	1.02E+08	101677912	+	1.069E-21	3.07867E-20	-0.30695	hypo	sig	chr3_101677912
chr1	2.28E+08	228212701	+	1.07E-21	3.08214E-20	0.280544	hyper	sig	chr1_228212701
chr5	1.41E+08	141225725	+	1.07E-21	3.08317E-20	0.23171	hyper	sig	chr5_141225725
chr19	23075696	23075696	+	1.071E-21	3.08603E-20	0.306492	hyper	sig	chr19_23075696
chr19	49418903	49418903	+	1.075E-21	3.09691E-20	-0.23304	hypo	sig	chr19_49418903
chr17	44558373	44558373	+	1.078E-21	3.10616E-20	0.319308	hyper	sig	chr17_44558373
chr4	1.22E+08	121765170	+	1.079E-21	3.10793E-20	0.206352	hyper	sig	chr4_121765170
chr11	43577805	43577805	+	1.079E-21	3.10892E-20	0.278494	hyper	sig	chr11_43577805
chr13	36430826	36430826	+	1.081E-21	3.11286E-20	0.216311	hyper	sig	chr13_36430826
chr2	1.74E+08	174329026	+	1.081E-21	3.11365E-20	0.2403	hyper	sig	chr2_174329026
chr19	31353122	31353122	+	1.084E-21	3.12278E-20	0.215812	hyper	sig	chr19_31353122
chr19	23070632	23070632	+	1.086E-21	3.12748E-20	0.300925	hyper	sig	chr19_23070632
chr19	49043598	49043598	+	1.087E-21	3.12888E-20	-0.24021	hypo	sig	chr19_49043598
chr2	1.31E+08	131040472	+	1.087E-21	3.12973E-20	0.217744	hyper	sig	chr2_131040472
chr16	51153695	51153695	+	1.087E-21	3.13051E-20	0.282129	hyper	sig	chr16_51153695
chr14	99652709	99652709	+	1.087E-21	3.13065E-20	-0.24806	hypo	sig	chr14_99652709
chr3	1.72E+08	172448500	+	1.088E-21	3.13233E-20	0.265504	hyper	sig	chr3_172448500
chr11	1.3E+08	129743867	+	1.088E-21	3.13315E-20	-0.28708	hypo	sig	chr11_129743867
chr2	96985757	96985757	+	1.091E-21	3.13982E-20	-0.32154	hypo	sig	chr2_96985757

chr9	1.35E+08	135104452	+	1.092E-21	3.14306E-20	-0.23103	hypo	sig	chr9_135104452
chr14	36655836	36655836	+	1.095E-21	3.1527E-20	0.238504	hyper	sig	chr14_36655836
chr17	40375983	40375983	+	1.095E-21	3.1527E-20	-0.32486	hypo	sig	chr17_40375983
chr4	1.47E+08	146637325	+	1.095E-21	3.1527E-20	0.323252	hyper	sig	chr4_146637325
chr17	64782044	64782044	+	1.103E-21	3.1729E-20	-0.23644	hypo	sig	chr17_64782044
chr2	88453117	88453117	+	1.103E-21	3.17499E-20	0.210949	hyper	sig	chr2_88453117
chr2	468260	468260	+	1.104E-21	3.17685E-20	0.229356	hyper	sig	chr2_468260
chr5	1.46E+08	146337646	+	1.104E-21	3.17754E-20	0.336049	hyper	sig	chr5_146337646
chr11	1.04E+08	104164985	+	1.105E-21	3.17916E-20	-0.2905	hypo	sig	chr11_104164985
chr5	1.41E+08	141431446	+	1.105E-21	3.17916E-20	0.270136	hyper	sig	chr5_141431446
chr18	21242966	21242966	+	1.107E-21	3.18473E-20	0.231656	hyper	sig	chr18_21242966
chr9	1.29E+08	129033277	+	1.107E-21	3.18486E-20	-0.29484	hypo	sig	chr9_129033277
chr7	74334124	74334124	+	1.107E-21	3.18508E-20	0.328295	hyper	sig	chr7_74334124
chr3	6862953	6862953	+	1.107E-21	3.18527E-20	0.28773	hyper	sig	chr3_6862953
chr2	53860286	53860286	+	1.109E-21	3.18868E-20	0.356264	hyper	sig	chr2_53860286
chr14	28785614	28785614	+	1.109E-21	3.19007E-20	0.272704	hyper	sig	chr14_28785614
chr2	20671588	20671588	+	1.11E-21	3.19386E-20	0.209076	hyper	sig	chr2_20671588
chr11	68842905	68842905	+	1.11E-21	3.19402E-20	-0.2553	hypo	sig	chr11_68842905
chr19	52535825	52535825	+	1.114E-21	3.20409E-20	0.224914	hyper	sig	chr19_52535825
chr5	63960434	63960434	+	1.118E-21	3.21661E-20	0.271823	hyper	sig	chr5_63960434
chr22	43891635	43891635	+	1.119E-21	3.21681E-20	0.278636	hyper	sig	chr22_43891635
chr13	1.14E+08	114121658	+	1.119E-21	3.21839E-20	-0.21312	hypo	sig	chr13_114121658
chr11	45696905	45696905	+	1.12E-21	3.22008E-20	-0.30085	hypo	sig	chr11_45696905
chr19	57935068	57935068	+	1.124E-21	3.23309E-20	0.289961	hyper	sig	chr19_57935068
chr19	58033814	58033814	+	1.129E-21	3.2461E-20	0.283509	hyper	sig	chr19_58033814
chr8	25001494	25001494	+	1.129E-21	3.24638E-20	0.240016	hyper	sig	chr8_25001494
chr7	19106943	19106943	+	1.13E-21	3.2479E-20	0.252211	hyper	sig	chr7_19106943
chr9	1.31E+08	131308171	+	1.131E-21	3.25031E-20	-0.21021	hypo	sig	chr9_131308171
chr16	66974354	66974354	+	1.131E-21	3.2512E-20	-0.28268	hypo	sig	chr16_66974354
chr18	59273132	59273132	+	1.132E-21	3.25491E-20	0.249192	hyper	sig	chr18_59273132
chr19	22422177	22422177	+	1.133E-21	3.2567E-20	0.277429	hyper	sig	chr19_22422177
chr6	50843124	50843124	+	1.133E-21	3.25772E-20	0.222085	hyper	sig	chr6_50843124
chr2	1686968	1686968	+	1.135E-21	3.26148E-20	-0.21489	hypo	sig	chr2_1686968
chr19	36331525	36331525	+	1.139E-21	3.27494E-20	0.24524	hyper	sig	chr19_36331525
chr6	50845985	50845985	+	1.142E-21	3.28243E-20	0.288605	hyper	sig	chr6_50845985
chr3	62368075	62368075	+	1.144E-21	3.28863E-20	0.253884	hyper	sig	chr3_62368075
chr7	19106583	19106583	+	1.147E-21	3.29728E-20	0.26747	hyper	sig	chr7_19106583
chr4	6663980	6663980	+	1.149E-21	3.30171E-20	0.31197	hyper	sig	chr4_6663980
chr19	57130478	57130478	+	1.149E-21	3.30241E-20	-0.25903	hypo	sig	chr19_57130478
chr12	1.14E+08	114444113	+	1.15E-21	3.3034E-20	0.260789	hyper	sig	chr12_114444113
chr13	1.14E+08	114005139	+	1.15E-21	3.30386E-20	-0.26846	hypo	sig	chr13_114005139
chr7	1.58E+08	157707014	+	1.152E-21	3.31033E-20	0.229187	hyper	sig	chr7_157707014
chr11	94401517	94401517	+	1.152E-21	3.3109E-20	0.259103	hyper	sig	chr11_94401517
chr7	1.51E+08	151014025	+	1.153E-21	3.31108E-20	0.230611	hyper	sig	chr7_151014025
chr5	1.41E+08	141432897	+	1.153E-21	3.31193E-20	0.201833	hyper	sig	chr5_141432897
chr16	88416359	88416359	+	1.156E-21	3.3215E-20	-0.29975	hypo	sig	chr16_88416359
chr2	20671578	20671578	+	1.157E-21	3.32252E-20	0.214507	hyper	sig	chr2_20671578
chr13	78594418	78594418	+	1.157E-21	3.32267E-20	0.302646	hyper	sig	chr13_78594418
chr16	2189375	2189375	+	1.158E-21	3.32545E-20	-0.2053	hypo	sig	chr16_2189375
chr16	86337675	86337675	+	1.16E-21	3.33133E-20	-0.24076	hypo	sig	chr16_86337675
chr5	1.79E+08	179060761	+	1.16E-21	3.33133E-20	0.258048	hyper	sig	chr5_179060761
chr12	1.31E+08	130611627	+	1.16E-21	3.33158E-20	-0.20857	hypo	sig	chr12_130611627
chr15	89371992	89371992	+	1.167E-21	3.35125E-20	0.267344	hyper	sig	chr15_89371992
chr15	59994940	59994940	+	1.168E-21	3.35258E-20	0.203375	hyper	sig	chr15_59994940
chr10	27320404	27320404	+	1.169E-21	3.35762E-20	-0.24667	hypo	sig	chr10_27320404
chr16	85982688	85982688	+	1.171E-21	3.36232E-20	-0.22173	hypo	sig	chr16_85982688

chr17	48623124	48623124	+	1.172E-21	3.36396E-20	-0.30808	hypo	sig	chr17_48623124
chr10	1.32E+08	132203235	+	1.173E-21	3.36674E-20	-0.22055	hypo	sig	chr10_132203235
chr5	42994029	42994029	+	1.173E-21	3.36707E-20	0.26279	hyper	sig	chr5_42994029
chr2	54675930	54675930	+	1.174E-21	3.36912E-20	-0.2611	hypo	sig	chr2_54675930
chr19	58098487	58098487	+	1.174E-21	3.37026E-20	0.224661	hyper	sig	chr19_58098487
chr19	20661233	20661233	+	1.177E-21	3.37914E-20	0.285464	hyper	sig	chr19_20661233
chr17	44761271	44761271	+	1.178E-21	3.38168E-20	-0.35898	hypo	sig	chr17_44761271
chr5	1.59E+08	159100862	+	1.179E-21	3.38292E-20	0.371584	hyper	sig	chr5_159100862
chr2	2.28E+08	228181912	+	1.181E-21	3.38855E-20	0.316496	hyper	sig	chr2_228181912
chr20	48376953	48376953	+	1.183E-21	3.39383E-20	-0.22705	hypo	sig	chr20_48376953
chr14	1.01E+08	101065256	+	1.183E-21	3.39482E-20	-0.21329	hypo	sig	chr14_101065256
chr4	41880939	41880939	+	1.183E-21	3.39498E-20	0.255968	hyper	sig	chr4_41880939
chr6	33202324	33202324	+	1.184E-21	3.39684E-20	-0.233	hypo	sig	chr6_33202324
chr1	27369191	27369191	+	1.185E-21	3.40077E-20	-0.25233	hypo	sig	chr1_27369191
chr2	2.41E+08	240651165	+	1.188E-21	3.40817E-20	-0.28044	hypo	sig	chr2_240651165
chr4	1405477	1405477	+	1.189E-21	3.41126E-20	0.300733	hyper	sig	chr4_1405477
chr1	1.14E+08	114153116	+	1.192E-21	3.41859E-20	0.218707	hyper	sig	chr1_114153116
chr10	1.05E+08	104640899	+	1.192E-21	3.41963E-20	0.293469	hyper	sig	chr10_104640899
chr10	1.33E+08	133164618	+	1.194E-21	3.42557E-20	-0.26588	hypo	sig	chr10_133164618
chr2	38075202	38075202	+	1.195E-21	3.42797E-20	0.39671	hyper	sig	chr2_38075202
chr5	1.35E+08	135490166	+	1.196E-21	3.43125E-20	0.203554	hyper	sig	chr5_135490166
chr5	38557444	38557444	+	1.197E-21	3.43304E-20	0.248531	hyper	sig	chr5_38557444
chr4	57197283	57197283	+	1.2E-21	3.44173E-20	-0.25922	hypo	sig	chr4_57197283
chr16	88412907	88412907	+	1.201E-21	3.4429E-20	-0.21287	hypo	sig	chr16_88412907
chr3	10816014	10816014	+	1.202E-21	3.44744E-20	0.282495	hyper	sig	chr3_10816014
chr4	1.74E+08	173531403	+	1.202E-21	3.44797E-20	0.219755	hyper	sig	chr4_173531403
chr12	1.11E+08	111035814	+	1.204E-21	3.45208E-20	0.204125	hyper	sig	chr12_111035814
chr5	1.41E+08	141382835	+	1.205E-21	3.45424E-20	0.245845	hyper	sig	chr5_141382835
chr9	1.36E+08	135908467	+	1.209E-21	3.46621E-20	0.239758	hyper	sig	chr9_135908467
chr12	1.1E+08	109588992	+	1.21E-21	3.46811E-20	-0.29955	hypo	sig	chr12_109588992
chr5	88672267	88672267	+	1.21E-21	3.46817E-20	0.212932	hyper	sig	chr5_88672267
chr15	89360432	89360432	+	1.21E-21	3.46891E-20	0.246048	hyper	sig	chr15_89360432
chr17	83075864	83075864	+	1.211E-21	3.47193E-20	-0.22587	hypo	sig	chr17_83075864
chr5	1.8E+08	180350516	+	1.212E-21	3.474E-20	-0.31413	hypo	sig	chr5_180350516
chr17	83014429	83014429	+	1.213E-21	3.478E-20	-0.25193	hypo	sig	chr17_83014429
chr19	18294831	18294831	+	1.214E-21	3.48056E-20	-0.27727	hypo	sig	chr19_18294831
chr16	2182250	2182250	+	1.217E-21	3.48915E-20	-0.25285	hypo	sig	chr16_2182250
chr2	2.13E+08	212536609	+	1.219E-21	3.49196E-20	0.256174	hyper	sig	chr2_212536609
chr20	21702208	21702208	+	1.224E-21	3.50692E-20	0.246997	hyper	sig	chr20_21702208
chr11	1.3E+08	129743871	+	1.225E-21	3.5112E-20	-0.27758	hypo	sig	chr11_129743871
chr8	1.35E+08	134720712	+	1.228E-21	3.51941E-20	-0.24507	hypo	sig	chr8_134720712
chr9	1.36E+08	135783204	+	1.232E-21	3.52919E-20	-0.26702	hypo	sig	chr9_135783204
chr13	1.14E+08	113650453	+	1.233E-21	3.53174E-20	-0.23524	hypo	sig	chr13_113650453
chr1	16913555	16913555	+	1.233E-21	3.53193E-20	-0.22077	hypo	sig	chr1_16913555
chr3	1.38E+08	137763387	+	1.233E-21	3.53193E-20	0.281758	hyper	sig	chr3_137763387
chr7	5237616	5237616	+	1.234E-21	3.53526E-20	-0.25124	hypo	sig	chr7_5237616
chr4	1.74E+08	173538228	+	1.239E-21	3.54849E-20	0.288781	hyper	sig	chr4_173538228
chr5	1.79E+08	179344817	+	1.239E-21	3.54898E-20	0.250502	hyper	sig	chr5_179344817
chr14	97033582	97033582	+	1.241E-21	3.55423E-20	0.226656	hyper	sig	chr14_97033582
chr19	42529210	42529210	+	1.245E-21	3.56692E-20	-0.26854	hypo	sig	chr19_42529210
chr6	2640869	2640869	+	1.249E-21	3.57719E-20	-0.41943	hypo	sig	chr6_2640869
chr12	81078326	81078326	+	1.25E-21	3.57922E-20	0.226478	hyper	sig	chr12_81078326
chr5	539011	539011	+	1.25E-21	3.57994E-20	-0.20048	hypo	sig	chr5_539011
chr2	2.32E+08	232387987	+	1.25E-21	3.58E-20	0.27418	hyper	sig	chr2_232387987
chr4	1349013	1349013	+	1.252E-21	3.58403E-20	-0.21302	hypo	sig	chr4_1349013
chr7	1.03E+08	103153016	+	1.253E-21	3.58745E-20	-0.24833	hypo	sig	chr7_103153016

chr11	313478	313478	+	1.253E-21	3.58894E-20	-0.20862	hypo	sig	chr11_313478
chr1	78491623	78491623	+	1.254E-21	3.59066E-20	0.307537	hyper	sig	chr1_78491623
chr7	1.29E+08	128915653	+	1.254E-21	3.59127E-20	0.241479	hyper	sig	chr7_128915653
chr9	1.33E+08	132579872	+	1.255E-21	3.59319E-20	0.236333	hyper	sig	chr9_132579872
chr7	1.51E+08	151203450	+	1.256E-21	3.59579E-20	-0.21952	hypo	sig	chr7_151203450
chr4	55157743	55157743	+	1.256E-21	3.59674E-20	0.302733	hyper	sig	chr4_55157743
chr3	1.31E+08	130517330	+	1.256E-21	3.59678E-20	0.298929	hyper	sig	chr3_130517330
chr2	68319958	68319958	+	1.257E-21	3.59772E-20	0.342682	hyper	sig	chr2_68319958
chr10	1.01E+08	100519895	+	1.259E-21	3.6049E-20	0.332071	hyper	sig	chr10_100519895
chr19	56192944	56192944	+	1.26E-21	3.60779E-20	-0.24139	hypo	sig	chr19_56192944
chr19	18878117	18878117	+	1.261E-21	3.60821E-20	-0.30759	hypo	sig	chr19_18878117
chr7	27124236	27124236	+	1.262E-21	3.61301E-20	0.202347	hyper	sig	chr7_27124236
chr13	1.02E+08	101919884	+	1.263E-21	3.61586E-20	0.288575	hyper	sig	chr13_101919884
chr10	1.32E+08	132241338	+	1.264E-21	3.61751E-20	-0.24113	hypo	sig	chr10_132241338
chr12	1834682	1834682	+	1.268E-21	3.62789E-20	-0.24303	hypo	sig	chr12_1834682
chr19	9498721	9498721	+	1.268E-21	3.6282E-20	0.280809	hyper	sig	chr19_9498721
chr6	1.68E+08	168410605	+	1.268E-21	3.62855E-20	-0.23152	hypo	sig	chr6_168410605
chr2	31581097	31581097	+	1.27E-21	3.63293E-20	0.312203	hyper	sig	chr2_31581097
chr5	1.79E+08	178502947	+	1.271E-21	3.63796E-20	-0.22617	hypo	sig	chr5_178502947
chr12	1.15E+08	114686941	+	1.273E-21	3.6414E-20	0.211126	hyper	sig	chr12_114686941
chr2	88453146	88453146	+	1.275E-21	3.64738E-20	0.262946	hyper	sig	chr2_88453146
chr12	85278025	85278025	+	1.276E-21	3.64951E-20	0.22723	hyper	sig	chr12_85278025
chr1	1.81E+08	181483936	+	1.276E-21	3.65E-20	0.250087	hyper	sig	chr1_181483936
chr15	83365535	83365535	+	1.276E-21	3.65E-20	0.202266	hyper	sig	chr15_83365535
chr3	26622913	26622913	+	1.276E-21	3.65E-20	0.241866	hyper	sig	chr3_26622913
chr6	31121413	31121413	+	1.276E-21	3.65164E-20	-0.24974	hypo	sig	chr6_31121413
chr10	1.33E+08	132794410	+	1.277E-21	3.65273E-20	-0.23797	hypo	sig	chr10_132794410
chr5	38259141	38259141	+	1.279E-21	3.65975E-20	0.227551	hyper	sig	chr5_38259141
chr17	15917771	15917771	+	1.28E-21	3.66151E-20	0.342222	hyper	sig	chr17_15917771
chr6	1.08E+08	108165183	+	1.282E-21	3.66536E-20	0.322403	hyper	sig	chr6_108165183
chr5	1.81E+08	180673730	+	1.282E-21	3.66731E-20	0.355996	hyper	sig	chr5_180673730
chr1	79008166	79008166	+	1.283E-21	3.66869E-20	-0.28413	hypo	sig	chr1_79008166
chr13	35478631	35478631	+	1.284E-21	3.67118E-20	0.304334	hyper	sig	chr13_35478631
chr10	13891652	13891652	+	1.284E-21	3.67186E-20	0.238298	hyper	sig	chr10_13891652
chr3	1.23E+08	122923678	+	1.288E-21	3.68344E-20	-0.27349	hypo	sig	chr3_122923678
chr13	1.14E+08	114081854	+	1.289E-21	3.68547E-20	0.22406	hyper	sig	chr13_114081854
chr2	5693054	5693054	+	1.292E-21	3.69464E-20	0.270463	hyper	sig	chr2_5693054
chr18	12701679	12701679	+	1.295E-21	3.70156E-20	-0.2246	hypo	sig	chr18_12701679
chr11	69967144	69967144	+	1.295E-21	3.70173E-20	-0.20767	hypo	sig	chr11_69967144
chr7	1156699	1156699	+	1.296E-21	3.70387E-20	-0.28138	hypo	sig	chr7_1156699
chr2	2.4E+08	240140389	+	1.301E-21	3.71774E-20	-0.20094	hypo	sig	chr2_240140389
chr13	24932171	24932171	+	1.303E-21	3.72597E-20	0.238159	hyper	sig	chr13_24932171
chr8	11347255	11347255	+	1.306E-21	3.73165E-20	0.204708	hyper	sig	chr8_11347255
chr4	4864401	4864401	+	1.306E-21	3.73264E-20	0.224655	hyper	sig	chr4_4864401
chr14	26205357	26205357	+	1.31E-21	3.7432E-20	0.227775	hyper	sig	chr14_26205357
chr1	2239592	2239592	+	1.31E-21	3.7442E-20	-0.29283	hypo	sig	chr1_2239592
chr17	19580326	19580326	+	1.31E-21	3.7442E-20	0.210059	hyper	sig	chr17_19580326
chr8	98974016	98974016	+	1.311E-21	3.74647E-20	0.280118	hyper	sig	chr8_98974016
chr10	1098689	1098689	+	1.312E-21	3.7485E-20	0.26643	hyper	sig	chr10_1098689
chr5	1.41E+08	141234797	+	1.316E-21	3.7602E-20	0.237617	hyper	sig	chr5_141234797
chr15	92818659	92818659	+	1.317E-21	3.76214E-20	-0.30267	hypo	sig	chr15_92818659
chr4	41866169	41866169	+	1.32E-21	3.77015E-20	0.248497	hyper	sig	chr4_41866169
chr3	75907005	75907005	+	1.322E-21	3.77602E-20	0.3022	hyper	sig	chr3_75907005
chr16	86566683	86566683	+	1.322E-21	3.77665E-20	0.241603	hyper	sig	chr16_86566683
chr19	56393285	56393285	+	1.322E-21	3.77759E-20	0.200599	hyper	sig	chr19_56393285
chr20	63648976	63648976	+	1.323E-21	3.77792E-20	-0.2705	hypo	sig	chr20_63648976

chr3	1.72E+08	172448050	+	1.323E-21	3.77803E-20	0.325984	hyper	sig	chr3_172448050
chr17	14308791	14308791	+	1.325E-21	3.78345E-20	0.235203	hyper	sig	chr17_14308791
chr20	4815190	4815190	+	1.326E-21	3.78752E-20	-0.24495	hypo	sig	chr20_4815190
chr8	20249063	20249063	+	1.327E-21	3.78928E-20	-0.27283	hypo	sig	chr8_20249063
chr18	50298717	50298717	+	1.328E-21	3.79148E-20	0.221116	hyper	sig	chr18_50298717
chr13	1.12E+08	111959229	+	1.328E-21	3.79281E-20	-0.23574	hypo	sig	chr13_111959229
chr3	1.82E+08	181725294	+	1.329E-21	3.79611E-20	0.310818	hyper	sig	chr3_181725294
chr16	2187203	2187203	+	1.334E-21	3.80982E-20	-0.23881	hypo	sig	chr16_2187203
chr5	1.77E+08	176881020	+	1.335E-21	3.81077E-20	-0.21768	hypo	sig	chr5_176881020
chr3	1.72E+08	172448468	+	1.344E-21	3.83631E-20	0.235156	hyper	sig	chr3_172448468
chr20	1933604	1933604	+	1.346E-21	3.84238E-20	-0.24088	hypo	sig	chr20_1933604
chr19	3785827	3785827	+	1.346E-21	3.84384E-20	0.212922	hyper	sig	chr19_3785827
chr1	58250623	58250623	+	1.347E-21	3.84488E-20	0.219244	hyper	sig	chr1_58250623
chr3	1.43E+08	143121336	+	1.349E-21	3.84978E-20	0.254092	hyper	sig	chr3_143121336
chr8	64382083	64382083	+	1.349E-21	3.84995E-20	0.26985	hyper	sig	chr8_64382083
chr19	39934753	39934753	+	1.35E-21	3.85406E-20	-0.35931	hypo	sig	chr19_39934753
chr5	1.59E+08	159095417	+	1.352E-21	3.85959E-20	0.22688	hyper	sig	chr5_159095417
chr5	1.24E+08	123511622	+	1.353E-21	3.86023E-20	-0.27748	hypo	sig	chr5_123511622
chr17	82321038	82321038	+	1.354E-21	3.86392E-20	-0.20717	hypo	sig	chr17_82321038
chr3	1.28E+08	128483888	+	1.356E-21	3.8688E-20	0.210292	hyper	sig	chr3_128483888
chr1	21814353	21814353	+	1.357E-21	3.87108E-20	0.229578	hyper	sig	chr1_21814353
chr21	36704409	36704409	+	1.361E-21	3.8829E-20	0.234897	hyper	sig	chr21_36704409
chr14	36513444	36513444	+	1.363E-21	3.88964E-20	0.205109	hyper	sig	chr14_36513444
chr20	41134183	41134183	+	1.364E-21	3.89103E-20	-0.30902	hypo	sig	chr20_41134183
chr12	1500203	1500203	+	1.365E-21	3.8954E-20	-0.20655	hypo	sig	chr12_1500203
chr5	1.46E+08	146338897	+	1.366E-21	3.89643E-20	0.204803	hyper	sig	chr5_146338897
chr6	28885367	28885367	+	1.367E-21	3.89858E-20	0.333318	hyper	sig	chr6_28885367
chr10	1.33E+08	133082918	+	1.367E-21	3.89918E-20	-0.22083	hypo	sig	chr10_133082918
chr19	15181629	15181629	+	1.367E-21	3.89933E-20	-0.26848	hypo	sig	chr19_15181629
chr1	1.76E+08	175599398	+	1.367E-21	3.90045E-20	0.284048	hyper	sig	chr1_175599398
chr14	1.02E+08	101933216	+	1.37E-21	3.90835E-20	-0.2622	hypo	sig	chr14_101933216
chr19	52492913	52492913	+	1.372E-21	3.91315E-20	0.318734	hyper	sig	chr19_52492913
chr12	1.15E+08	114696686	+	1.373E-21	3.91727E-20	0.209061	hyper	sig	chr12_114696686
chr20	45297900	45297900	+	1.375E-21	3.9208E-20	-0.34089	hypo	sig	chr20_45297900
chr20	63123517	63123517	+	1.378E-21	3.93017E-20	-0.22832	hypo	sig	chr20_63123517
chr7	54542689	54542689	+	1.384E-21	3.94536E-20	0.300028	hyper	sig	chr7_54542689
chr4	84501256	84501256	+	1.384E-21	3.94573E-20	0.223561	hyper	sig	chr4_84501256
chr5	1.41E+08	141355284	+	1.384E-21	3.94656E-20	0.218193	hyper	sig	chr5_141355284
chr22	19149312	19149312	+	1.385E-21	3.94897E-20	0.253033	hyper	sig	chr22_19149312
chr17	50469142	50469142	+	1.387E-21	3.95558E-20	0.233386	hyper	sig	chr17_50469142
chr16	89972061	89972061	+	1.388E-21	3.956E-20	0.229489	hyper	sig	chr16_89972061
chr11	3223199	3223199	+	1.389E-21	3.96036E-20	-0.21929	hypo	sig	chr11_3223199
chr3	1.58E+08	158102752	+	1.39E-21	3.96128E-20	0.217605	hyper	sig	chr3_158102752
chr17	79390120	79390120	+	1.392E-21	3.96857E-20	-0.20078	hypo	sig	chr17_79390120
chr12	1.24E+08	123909366	+	1.395E-21	3.9777E-20	-0.23676	hypo	sig	chr12_123909366
chr13	1.1E+08	109782141	+	1.396E-21	3.97937E-20	-0.33113	hypo	sig	chr13_109782141
chr3	1.35E+08	134648236	+	1.396E-21	3.97937E-20	-0.2415	hypo	sig	chr3_134648236
chr2	1.32E+08	131589323	+	1.397E-21	3.98044E-20	-0.31402	hypo	sig	chr2_131589323
chr1	58249916	58249916	+	1.399E-21	3.98607E-20	0.214677	hyper	sig	chr1_58249916
chr13	1.14E+08	113653333	+	1.401E-21	3.99344E-20	-0.23231	hypo	sig	chr13_113653333
chr19	56194128	56194128	+	1.402E-21	3.99566E-20	-0.32682	hypo	sig	chr19_56194128
chr13	25096011	25096011	+	1.403E-21	3.99778E-20	0.265654	hyper	sig	chr13_25096011
chr6	30127740	30127740	+	1.405E-21	4.00212E-20	0.211566	hyper	sig	chr6_30127740
chr4	652300	652300	+	1.406E-21	4.00511E-20	-0.26918	hypo	sig	chr4_652300
chr11	46295605	46295605	+	1.406E-21	4.00609E-20	0.270357	hyper	sig	chr11_46295605
chr22	16601135	16601135	+	1.406E-21	4.00669E-20	0.270279	hyper	sig	chr22_16601135

chr11	3167977	3167977	+	1.408E-21	4.01215E-20	-0.21423	hypo	sig	chr11_3167977
chr17	39165311	39165311	+	1.409E-21	4.01389E-20	0.369079	hyper	sig	chr17_39165311
chr19	36421817	36421817	+	1.41E-21	4.0155E-20	0.246188	hyper	sig	chr19_36421817
chr19	543491	543491	+	1.41E-21	4.01694E-20	-0.25272	hypo	sig	chr19_543491
chr12	1.2E+08	119594337	+	1.411E-21	4.01782E-20	0.22311	hyper	sig	chr12_119594337
chr9	23824213	23824213	+	1.412E-21	4.02049E-20	0.260724	hyper	sig	chr9_23824213
chr12	85278800	85278800	+	1.412E-21	4.02168E-20	0.229337	hyper	sig	chr12_85278800
chr3	1.41E+08	141052530	+	1.413E-21	4.02388E-20	0.29865	hyper	sig	chr3_141052530
chr1	1.68E+08	167630572	+	1.416E-21	4.03285E-20	0.210729	hyper	sig	chr1_167630572
chr10	1.2E+08	120457498	+	1.419E-21	4.04219E-20	0.300796	hyper	sig	chr10_120457498
chr13	1.01E+08	101416638	+	1.421E-21	4.04761E-20	0.284125	hyper	sig	chr13_101416638
chr20	21102262	21102262	+	1.421E-21	4.04771E-20	0.234211	hyper	sig	chr20_21102262
chr6	99606049	99606049	+	1.422E-21	4.04819E-20	0.246032	hyper	sig	chr6_99606049
chr7	1.54E+08	154054264	+	1.422E-21	4.04965E-20	-0.27545	hypo	sig	chr7_154054264
chr3	1.26E+08	125756171	+	1.425E-21	4.05828E-20	-0.27332	hypo	sig	chr3_125756171
chr9	91421187	91421187	+	1.429E-21	4.0686E-20	0.214377	hyper	sig	chr9_91421187
chr1	1.21E+08	121117248	+	1.429E-21	4.06969E-20	0.346939	hyper	sig	chr1_121117248
chr1	20473469	20473469	+	1.431E-21	4.07324E-20	0.204284	hyper	sig	chr1_20473469
chr20	63177384	63177384	+	1.435E-21	4.08495E-20	0.245842	hyper	sig	chr20_63177384
chr7	97001851	97001851	+	1.436E-21	4.08665E-20	0.306708	hyper	sig	chr7_97001851
chr3	62371164	62371164	+	1.437E-21	4.0889E-20	0.265514	hyper	sig	chr3_62371164
chr9	74498154	74498154	+	1.437E-21	4.0889E-20	0.251257	hyper	sig	chr9_74498154
chr3	26622885	26622885	+	1.437E-21	4.08945E-20	0.229828	hyper	sig	chr3_26622885
chr5	1.41E+08	141422008	+	1.438E-21	4.09158E-20	0.330286	hyper	sig	chr5_141422008
chr6	32061226	32061226	+	1.444E-21	4.11069E-20	-0.22601	hypo	sig	chr6_32061226
chr17	52159162	52159162	+	1.445E-21	4.11232E-20	0.240368	hyper	sig	chr17_52159162
chr4	1.17E+08	116703593	+	1.445E-21	4.11294E-20	-0.23777	hypo	sig	chr4_116703593
chr3	1.41E+08	141052237	+	1.447E-21	4.11738E-20	0.270784	hyper	sig	chr3_141052237
chr10	1.23E+08	123150716	+	1.448E-21	4.11893E-20	0.261494	hyper	sig	chr10_123150716
chr1	2.21E+08	220881220	+	1.45E-21	4.12627E-20	0.234433	hyper	sig	chr1_220881220
chr19	46412507	46412507	+	1.453E-21	4.13414E-20	0.235222	hyper	sig	chr19_46412507
chr12	53966685	53966685	+	1.463E-21	4.16124E-20	0.231981	hyper	sig	chr12_53966685
chr17	74927783	74927783	+	1.463E-21	4.16132E-20	-0.30465	hypo	sig	chr17_74927783
chr16	51149523	51149523	+	1.464E-21	4.16395E-20	0.284903	hyper	sig	chr16_51149523
chr10	1.28E+08	127735694	+	1.466E-21	4.17086E-20	0.294726	hyper	sig	chr10_127735694
chr12	53982254	53982254	+	1.468E-21	4.1756E-20	0.226702	hyper	sig	chr12_53982254
chr6	27553437	27553437	+	1.47E-21	4.18107E-20	0.330359	hyper	sig	chr6_27553437
chr16	1963174	1963174	+	1.472E-21	4.18589E-20	-0.21199	hypo	sig	chr16_1963174
chr2	1.24E+08	124025347	+	1.473E-21	4.1879E-20	0.275595	hyper	sig	chr2_124025347
chr12	1.13E+08	113464498	+	1.481E-21	4.21027E-20	0.234632	hyper	sig	chr12_113464498
chr4	1.74E+08	173538233	+	1.481E-21	4.2104E-20	0.262629	hyper	sig	chr4_173538233
chr16	85643224	85643224	+	1.485E-21	4.22273E-20	-0.23751	hypo	sig	chr16_85643224
chr15	26970868	26970868	+	1.486E-21	4.22565E-20	0.240501	hyper	sig	chr15_26970868
chr14	1.06E+08	105763382	+	1.487E-21	4.22775E-20	-0.23196	hypo	sig	chr14_105763382
chr2	95312474	95312474	+	1.488E-21	4.23013E-20	-0.22323	hypo	sig	chr2_95312474
chr5	1.79E+08	179124742	+	1.49E-21	4.23523E-20	-0.22383	hypo	sig	chr5_179124742
chr22	17370754	17370754	+	1.491E-21	4.23982E-20	0.251862	hyper	sig	chr22_17370754
chr8	1.32E+08	131903509	+	1.493E-21	4.24515E-20	-0.25283	hypo	sig	chr8_131903509
chr14	1.01E+08	100732163	+	1.497E-21	4.25506E-20	-0.25402	hypo	sig	chr14_100732163
chr11	27721320	27721320	+	1.498E-21	4.25858E-20	0.211142	hyper	sig	chr11_27721320
chr7	1.54E+08	154053412	+	1.501E-21	4.26496E-20	0.26008	hyper	sig	chr7_154053412
chr17	65549552	65549552	+	1.504E-21	4.27342E-20	-0.26441	hypo	sig	chr17_65549552
chr6	1.5E+08	150037751	+	1.515E-21	4.3064E-20	0.203725	hyper	sig	chr6_150037751
chr3	1.33E+08	133038262	+	1.518E-21	4.31263E-20	0.240015	hyper	sig	chr3_133038262
chr15	24477815	24477815	+	1.519E-21	4.31579E-20	0.221041	hyper	sig	chr15_24477815
chr2	73291581	73291581	+	1.52E-21	4.31929E-20	0.220681	hyper	sig	chr2_73291581

chr13	99657951	99657951	+	1.522E-21	4.32499E-20	0.219328	hyper	sig	chr13_99657951
chr13	45851536	45851536	+	1.523E-21	4.32686E-20	0.267436	hyper	sig	chr13_45851536
chr15	93074792	93074792	+	1.523E-21	4.32686E-20	-0.30388	hypo	sig	chr15_93074792
chr18	12911409	12911409	+	1.524E-21	4.32811E-20	0.250673	hyper	sig	chr18_12911409
chr19	10544977	10544977	+	1.525E-21	4.33346E-20	-0.24061	hypo	sig	chr19_10544977
chr10	1.33E+08	132880987	+	1.528E-21	4.34045E-20	-0.20598	hypo	sig	chr10_132880987
chr5	1.41E+08	141330877	+	1.528E-21	4.34086E-20	0.225341	hyper	sig	chr5_141330877
chr10	1.33E+08	133097356	+	1.529E-21	4.3419E-20	-0.25177	hypo	sig	chr10_133097356
chr10	49396601	49396601	+	1.53E-21	4.34531E-20	0.283228	hyper	sig	chr10_49396601
chr7	35262323	35262323	+	1.531E-21	4.34687E-20	0.269654	hyper	sig	chr7_35262323
chr13	36298029	36298029	+	1.532E-21	4.35199E-20	0.225363	hyper	sig	chr13_36298029
chr16	54933874	54933874	+	1.532E-21	4.35199E-20	0.202301	hyper	sig	chr16_54933874
chr6	32039118	32039118	+	1.534E-21	4.35482E-20	-0.24752	hypo	sig	chr6_32039118
chr13	69235161	69235161	+	1.534E-21	4.35741E-20	-0.26549	hypo	sig	chr13_69235161
chr1	2.06E+08	205850081	+	1.535E-21	4.35755E-20	0.204437	hyper	sig	chr1_205850081
chr1	3083185	3083185	+	1.538E-21	4.36728E-20	-0.22625	hypo	sig	chr1_3083185
chr12	34394686	34394686	+	1.539E-21	4.36849E-20	-0.24858	hypo	sig	chr12_34394686
chr21	45257864	45257864	+	1.542E-21	4.37799E-20	-0.20662	hypo	sig	chr21_45257864
chr10	1.03E+08	103277945	+	1.542E-21	4.37878E-20	0.287899	hyper	sig	chr10_103277945
chr6	50843224	50843224	+	1.544E-21	4.38395E-20	0.24037	hyper	sig	chr6_50843224
chr16	3183884	3183884	+	1.544E-21	4.38435E-20	0.203496	hyper	sig	chr16_3183884
chr13	1.14E+08	114015305	+	1.545E-21	4.38544E-20	-0.20978	hypo	sig	chr13_114015305
chr19	56765314	56765314	+	1.547E-21	4.39053E-20	0.302262	hyper	sig	chr19_56765314
chr10	25935057	25935057	+	1.549E-21	4.39563E-20	0.250881	hyper	sig	chr10_25935057
chr5	59893599	59893599	+	1.55E-21	4.39974E-20	0.25928	hyper	sig	chr5_59893599
chr12	1.32E+08	131617637	+	1.551E-21	4.40085E-20	-0.28847	hypo	sig	chr12_131617637
chr5	1.23E+08	123094519	+	1.553E-21	4.40697E-20	0.25612	hyper	sig	chr5_123094519
chr5	1.41E+08	141100427	+	1.555E-21	4.41267E-20	0.266738	hyper	sig	chr5_141100427
chr11	20208040	20208040	+	1.556E-21	4.41653E-20	0.252284	hyper	sig	chr11_20208040
chr6	31508502	31508502	+	1.557E-21	4.41827E-20	-0.26042	hypo	sig	chr6_31508502
chr7	43112678	43112678	+	1.558E-21	4.4219E-20	0.250597	hyper	sig	chr7_43112678
chr16	51153720	51153720	+	1.558E-21	4.42212E-20	0.287983	hyper	sig	chr16_51153720
chr7	24285323	24285323	+	1.561E-21	4.43038E-20	0.290241	hyper	sig	chr7_24285323
chr3	1.28E+08	128481942	+	1.562E-21	4.43071E-20	0.22048	hyper	sig	chr3_128481942
chr11	30016206	30016206	+	1.562E-21	4.43163E-20	0.281329	hyper	sig	chr11_30016206
chr4	17781712	17781712	+	1.562E-21	4.43179E-20	0.246736	hyper	sig	chr4_17781712
chr7	916086	916086	+	1.565E-21	4.43889E-20	-0.25134	hypo	sig	chr7_916086
chr14	94773116	94773116	+	1.566E-21	4.44225E-20	0.203698	hyper	sig	chr14_94773116
chr12	54000187	54000187	+	1.569E-21	4.45231E-20	0.208526	hyper	sig	chr12_54000187
chr7	1.58E+08	157588579	+	1.57E-21	4.45399E-20	-0.26759	hypo	sig	chr7_157588579
chr2	1.15E+08	115162463	+	1.571E-21	4.45667E-20	0.267292	hyper	sig	chr2_115162463
chr3	1.28E+08	128481926	+	1.577E-21	4.4728E-20	0.226826	hyper	sig	chr3_128481926
chr19	817792	817792	+	1.581E-21	4.48452E-20	-0.22462	hypo	sig	chr19_817792
chr11	2869399	2869399	+	1.582E-21	4.48641E-20	0.214454	hyper	sig	chr11_2869399
chr2	2.18E+08	218391350	+	1.585E-21	4.49418E-20	-0.20204	hypo	sig	chr2_218391350
chr11	67665579	67665579	+	1.592E-21	4.5143E-20	-0.2184	hypo	sig	chr11_67665579
chr12	1.32E+08	132353146	+	1.593E-21	4.51734E-20	-0.22661	hypo	sig	chr12_132353146
chr16	88101242	88101242	+	1.594E-21	4.51907E-20	0.234411	hyper	sig	chr16_88101242
chr7	95318708	95318708	+	1.596E-21	4.52429E-20	-0.27266	hypo	sig	chr7_95318708
chr13	1.1E+08	109782183	+	1.597E-21	4.52851E-20	-0.3511	hypo	sig	chr13_109782183
chr7	85186121	85186121	+	1.6E-21	4.53424E-20	0.24333	hyper	sig	chr7_85186121
chr2	23554468	23554468	+	1.6E-21	4.53595E-20	-0.24042	hypo	sig	chr2_23554468
chr11	61777692	61777692	+	1.604E-21	4.54577E-20	0.228472	hyper	sig	chr11_61777692
chr22	49930462	49930462	+	1.611E-21	4.56615E-20	-0.23988	hypo	sig	chr22_49930462
chr7	1.5E+08	149715244	+	1.612E-21	4.56688E-20	0.271343	hyper	sig	chr7_149715244
chr11	1338879	1338879	+	1.612E-21	4.56858E-20	-0.26134	hypo	sig	chr11_1338879

chr1	7664037	7664037	+	1.617E-21	4.58237E-20	-0.2493	hypo	sig	chr1_7664037
chr16	86495406	86495406	+	1.618E-21	4.58375E-20	0.237418	hyper	sig	chr16_86495406
chr10	90857356	90857356	+	1.62E-21	4.59088E-20	0.240878	hyper	sig	chr10_90857356
chr20	23015127	23015127	+	1.62E-21	4.59088E-20	-0.2478	hypo	sig	chr20_23015127
chr7	1.01E+08	101362629	+	1.623E-21	4.598E-20	0.250245	hyper	sig	chr7_101362629
chr16	86507874	86507874	+	1.624E-21	4.59959E-20	0.225623	hyper	sig	chr16_86507874
chr1	2501182	2501182	+	1.625E-21	4.60352E-20	-0.26022	hypo	sig	chr1_2501182
chr19	10422340	10422340	+	1.626E-21	4.6063E-20	-0.23282	hypo	sig	chr19_10422340
chr7	1.57E+08	157124937	+	1.627E-21	4.60876E-20	-0.27503	hypo	sig	chr7_157124937
chr2	73291572	73291572	+	1.632E-21	4.62359E-20	0.208548	hyper	sig	chr2_73291572
chr8	64369094	64369094	+	1.637E-21	4.63746E-20	0.269552	hyper	sig	chr8_64369094
chr10	23192661	23192661	+	1.638E-21	4.6383E-20	0.296354	hyper	sig	chr10_23192661
chr11	20596699	20596699	+	1.638E-21	4.6383E-20	0.23372	hyper	sig	chr11_20596699
chr1	2327880	2327880	+	1.638E-21	4.6393E-20	-0.28802	hypo	sig	chr1_2327880
chr14	1.04E+08	103524407	+	1.639E-21	4.64035E-20	0.263262	hyper	sig	chr14_103524407
chr16	89248161	89248161	+	1.639E-21	4.64259E-20	0.264749	hyper	sig	chr16_89248161
chr8	1.42E+08	142489552	+	1.64E-21	4.64341E-20	-0.31503	hypo	sig	chr8_142489552
chr11	32433403	32433403	+	1.643E-21	4.65203E-20	0.208879	hyper	sig	chr11_32433403
chr7	1.55E+08	154913717	+	1.643E-21	4.65312E-20	0.206424	hyper	sig	chr7_154913717
chr11	1.35E+08	134712963	+	1.651E-21	4.67337E-20	-0.21537	hypo	sig	chr11_134712963
chr20	61293413	61293413	+	1.653E-21	4.67908E-20	-0.239	hypo	sig	chr20_61293413
chr5	1.16E+08	115964102	+	1.653E-21	4.68016E-20	-0.24667	hypo	sig	chr5_115964102
chr15	68931424	68931424	+	1.655E-21	4.68626E-20	-0.28169	hypo	sig	chr15_68931424
chr16	46731519	46731519	+	1.657E-21	4.69221E-20	-0.25399	hypo	sig	chr16_46731519
chr17	38421443	38421443	+	1.659E-21	4.69601E-20	-0.23908	hypo	sig	chr17_38421443
chr4	1309867	1309867	+	1.659E-21	4.69625E-20	0.213063	hyper	sig	chr4_1309867
chr3	1.72E+08	172450051	+	1.664E-21	4.70966E-20	0.295997	hyper	sig	chr3_172450051
chr17	7740480	7740480	+	1.664E-21	4.71031E-20	-0.28955	hypo	sig	chr17_7740480
chr14	99247082	99247082	+	1.668E-21	4.72065E-20	0.258476	hyper	sig	chr14_99247082
chr8	22231993	22231993	+	1.67E-21	4.72661E-20	0.201411	hyper	sig	chr8_22231993
chr5	1.41E+08	141430592	+	1.673E-21	4.7336E-20	0.291592	hyper	sig	chr5_141430592
chr13	83881390	83881390	+	1.673E-21	4.73424E-20	0.24211	hyper	sig	chr13_83881390
chr9	34809699	34809699	+	1.673E-21	4.73489E-20	0.252144	hyper	sig	chr9_34809699
chr6	36285317	36285317	+	1.674E-21	4.73726E-20	0.235831	hyper	sig	chr6_36285317
chr7	43112644	43112644	+	1.675E-21	4.73955E-20	0.229939	hyper	sig	chr7_43112644
chr5	3591126	3591126	+	1.678E-21	4.74878E-20	0.262561	hyper	sig	chr5_3591126
chr8	52939649	52939649	+	1.679E-21	4.75211E-20	0.35564	hyper	sig	chr8_52939649
chr7	1.44E+08	143885406	+	1.68E-21	4.75443E-20	0.314871	hyper	sig	chr7_143885406
chr1	6093970	6093970	+	1.683E-21	4.76076E-20	-0.21694	hypo	sig	chr1_6093970
chr1	1.19E+08	118986767	+	1.691E-21	4.78329E-20	0.225366	hyper	sig	chr1_118986767
chr1	58249931	58249931	+	1.691E-21	4.78352E-20	0.212129	hyper	sig	chr1_58249931
chr6	1.61E+08	161140094	+	1.692E-21	4.78618E-20	-0.23461	hypo	sig	chr6_161140094
chr7	38976027	38976027	+	1.692E-21	4.78628E-20	0.272003	hyper	sig	chr7_38976027
chr22	49615324	49615324	+	1.694E-21	4.79136E-20	-0.24099	hypo	sig	chr22_49615324
chr17	81529224	81529224	+	1.696E-21	4.796E-20	-0.20743	hypo	sig	chr17_81529224
chr19	40568197	40568197	+	1.696E-21	4.79684E-20	0.21414	hyper	sig	chr19_40568197
chr4	1405452	1405452	+	1.697E-21	4.80033E-20	0.29768	hyper	sig	chr4_1405452
chr6	6004715	6004715	+	1.704E-21	4.81761E-20	0.223879	hyper	sig	chr6_6004715
chr16	3305093	3305093	+	1.71E-21	4.8345E-20	0.309037	hyper	sig	chr16_3305093
chr5	1.33E+08	132819729	+	1.71E-21	4.8345E-20	-0.30248	hypo	sig	chr5_132819729
chr17	48972522	48972522	+	1.713E-21	4.84277E-20	-0.20765	hypo	sig	chr17_48972522
chr6	1.68E+08	168444018	+	1.717E-21	4.85598E-20	0.235458	hyper	sig	chr6_168444018
chr2	94872961	94872961	+	1.72E-21	4.86387E-20	-0.39865	hypo	sig	chr2_94872961
chr12	1.07E+08	106585451	+	1.723E-21	4.87269E-20	0.220639	hyper	sig	chr12_106585451
chr17	39917813	39917813	+	1.725E-21	4.87562E-20	-0.2024	hypo	sig	chr17_39917813
chr5	1.41E+08	141423156	+	1.727E-21	4.88105E-20	0.226514	hyper	sig	chr5_141423156

chr10	1.05E+08	104640075	+	1.729E-21	4.88785E-20	0.302885	hyper	sig	chr10_104640075
chr11	69819580	69819580	+	1.731E-21	4.89302E-20	0.210072	hyper	sig	chr11_69819580
chr6	83709647	83709647	+	1.733E-21	4.89836E-20	0.239527	hyper	sig	chr6_83709647
chr10	1.33E+08	132785005	+	1.733E-21	4.8985E-20	0.253582	hyper	sig	chr10_132785005
chr4	1.55E+08	154744626	+	1.733E-21	4.89896E-20	0.271353	hyper	sig	chr4_154744626
chr8	56445753	56445753	+	1.737E-21	4.90747E-20	0.225446	hyper	sig	chr8_56445753
chr17	79210368	79210368	+	1.741E-21	4.92011E-20	-0.21583	hypo	sig	chr17_79210368
chr4	1.72E+08	171813692	+	1.742E-21	4.92216E-20	0.266667	hyper	sig	chr4_171813692
chr11	20163605	20163605	+	1.742E-21	4.9235E-20	0.253215	hyper	sig	chr11_20163605
chr8	22147935	22147935	+	1.744E-21	4.92765E-20	-0.22578	hypo	sig	chr8_22147935
chr16	509288	509288	+	1.748E-21	4.93821E-20	-0.2678	hypo	sig	chr16_509288
chr2	86790309	86790309	+	1.749E-21	4.94213E-20	0.236809	hyper	sig	chr2_86790309
chr7	82442789	82442789	+	1.756E-21	4.96038E-20	0.216656	hyper	sig	chr7_82442789
chr2	63053311	63053311	+	1.756E-21	4.96074E-20	0.254926	hyper	sig	chr2_63053311
chr8	16794573	16794573	+	1.761E-21	4.97446E-20	-0.2861	hypo	sig	chr8_16794573
chr11	20208531	20208531	+	1.767E-21	4.99251E-20	0.247535	hyper	sig	chr11_20208531
chr13	26760232	26760232	+	1.768E-21	4.99536E-20	0.239316	hyper	sig	chr13_26760232
chr5	1.35E+08	135050671	+	1.769E-21	4.99676E-20	0.20585	hyper	sig	chr5_135050671
chr20	63805680	63805680	+	1.77E-21	5.00079E-20	-0.23131	hypo	sig	chr20_63805680
chr6	1.34E+08	134176404	+	1.772E-21	5.00529E-20	0.240254	hyper	sig	chr6_134176404
chr1	44408016	44408016	+	1.776E-21	5.01712E-20	0.220843	hyper	sig	chr1_44408016
chr13	25372632	25372632	+	1.776E-21	5.01712E-20	0.376154	hyper	sig	chr13_25372632
chr17	4786320	4786320	+	1.78E-21	5.02603E-20	0.217676	hyper	sig	chr17_4786320
chr1	1.47E+08	147079000	+	1.78E-21	5.02738E-20	0.221519	hyper	sig	chr1_147079000
chr7	533412	533412	+	1.784E-21	5.03863E-20	-0.31796	hypo	sig	chr7_533412
chr13	54829741	54829741	+	1.785E-21	5.03912E-20	-0.31029	hypo	sig	chr13_54829741
chr7	2607104	2607104	+	1.785E-21	5.03912E-20	-0.27482	hypo	sig	chr7_2607104
chr2	1.2E+08	120358854	+	1.791E-21	5.05805E-20	-0.22396	hypo	sig	chr2_120358854
chr7	143052	143052	+	1.793E-21	5.06193E-20	0.206543	hyper	sig	chr7_143052
chr19	22286440	22286440	+	1.795E-21	5.06832E-20	0.258203	hyper	sig	chr19_22286440
chr11	1937863	1937863	+	1.8E-21	5.08101E-20	-0.25057	hypo	sig	chr11_1937863
chr17	49496194	49496194	+	1.801E-21	5.08494E-20	0.345128	hyper	sig	chr17_49496194
chr14	99247070	99247070	+	1.802E-21	5.08611E-20	0.267885	hyper	sig	chr14_99247070
chr19	3187882	3187882	+	1.803E-21	5.08901E-20	-0.2064	hypo	sig	chr19_3187882
chr11	17722082	17722082	+	1.806E-21	5.09669E-20	0.222088	hyper	sig	chr11_17722082
chr6	1.66E+08	166478194	+	1.806E-21	5.09769E-20	-0.26867	hypo	sig	chr6_166478194
chr22	50281979	50281979	+	1.807E-21	5.10045E-20	-0.22332	hypo	sig	chr22_50281979
chr1	50425537	50425537	+	1.808E-21	5.10136E-20	0.261057	hyper	sig	chr1_50425537
chr9	93954284	93954284	+	1.808E-21	5.10184E-20	0.223608	hyper	sig	chr9_93954284
chr19	46410471	46410471	+	1.81E-21	5.10852E-20	-0.30057	hypo	sig	chr19_46410471
chr14	1.04E+08	104170828	+	1.813E-21	5.11653E-20	-0.20916	hypo	sig	chr14_104170828
chr14	41605300	41605300	+	1.814E-21	5.11798E-20	0.211905	hyper	sig	chr14_41605300
chr5	3606375	3606375	+	1.816E-21	5.12283E-20	0.226667	hyper	sig	chr5_3606375
chr6	1.63E+08	163100629	+	1.817E-21	5.12649E-20	-0.2034	hypo	sig	chr6_163100629
chr8	4992027	4992027	+	1.817E-21	5.12685E-20	0.249993	hyper	sig	chr8_4992027
chr8	56445687	56445687	+	1.819E-21	5.13137E-20	0.21484	hyper	sig	chr8_56445687
chr19	30378127	30378127	+	1.821E-21	5.13603E-20	-0.28876	hypo	sig	chr19_30378127
chr8	88326909	88326909	+	1.824E-21	5.14423E-20	0.235181	hyper	sig	chr8_88326909
chr10	1.01E+08	100519892	+	1.827E-21	5.15297E-20	0.334387	hyper	sig	chr10_100519892
chr17	1907248	1907248	+	1.827E-21	5.15344E-20	-0.21515	hypo	sig	chr17_1907248
chr4	4226446	4226446	+	1.828E-21	5.15552E-20	0.262779	hyper	sig	chr4_4226446
chr6	31775992	31775992	+	1.83E-21	5.16101E-20	-0.21464	hypo	sig	chr6_31775992
chr2	2.32E+08	232419951	+	1.831E-21	5.16519E-20	0.269574	hyper	sig	chr2_232419951
chr13	37869046	37869046	+	1.831E-21	5.16523E-20	0.272693	hyper	sig	chr13_37869046
chr4	664233	664233	+	1.831E-21	5.16523E-20	0.212069	hyper	sig	chr4_664233
chr5	1219887	1219887	+	1.839E-21	5.18624E-20	-0.20247	hypo	sig	chr5_1219887

chr1	1.45E+08	144551191	+	1.84E-21	5.18894E-20	0.286077	hyper	sig	chr1_144551191
chr18	8718625	8718625	+	1.844E-21	5.19932E-20	-0.35427	hypo	sig	chr18_8718625
chr11	1.29E+08	128867424	+	1.846E-21	5.20619E-20	-0.21155	hypo	sig	chr11_128867424
chr17	79177004	79177004	+	1.847E-21	5.20661E-20	-0.21098	hypo	sig	chr17_79177004
chr19	1526549	1526549	+	1.847E-21	5.20768E-20	-0.24748	hypo	sig	chr19_1526549
chr6	38173869	38173869	+	1.849E-21	5.21271E-20	-0.22238	hypo	sig	chr6_38173869
chr2	2.37E+08	236507716	+	1.85E-21	5.21609E-20	0.29534	hyper	sig	chr2_236507716
chr8	64578761	64578761	+	1.855E-21	5.2294E-20	0.254257	hyper	sig	chr8_64578761
chr10	1.32E+08	132280888	+	1.856E-21	5.23125E-20	-0.22772	hypo	sig	chr10_132280888
chr12	49961493	49961493	+	1.856E-21	5.23225E-20	0.264408	hyper	sig	chr12_49961493
chr4	10461976	10461976	+	1.856E-21	5.23228E-20	0.255941	hyper	sig	chr4_10461976
chr19	57709075	57709075	+	1.858E-21	5.23608E-20	0.265376	hyper	sig	chr19_57709075
chr1	26410837	26410837	+	1.862E-21	5.2475E-20	0.292339	hyper	sig	chr1_26410837
chr16	3183845	3183845	+	1.864E-21	5.25229E-20	0.232323	hyper	sig	chr16_3183845
chr9	1.33E+08	132583246	+	1.864E-21	5.25294E-20	0.298099	hyper	sig	chr9_132583246
chr16	28880584	28880584	+	1.866E-21	5.25946E-20	0.272122	hyper	sig	chr16_28880584
chr16	30006168	30006168	+	1.867E-21	5.26128E-20	-0.22012	hypo	sig	chr16_30006168
chr19	11454680	11454680	+	1.867E-21	5.26228E-20	-0.20933	hypo	sig	chr19_11454680
chr11	69867764	69867764	+	1.868E-21	5.26498E-20	-0.23063	hypo	sig	chr11_69867764
chr15	88255349	88255349	+	1.871E-21	5.27158E-20	0.200688	hyper	sig	chr15_88255349
chr6	29828164	29828164	+	1.873E-21	5.27657E-20	0.233269	hyper	sig	chr6_29828164
chr7	32427901	32427901	+	1.873E-21	5.27657E-20	0.267198	hyper	sig	chr7_32427901
chr3	1.47E+08	147407505	+	1.878E-21	5.28983E-20	0.246766	hyper	sig	chr3_147407505
chr5	1859613	1859613	+	1.881E-21	5.29762E-20	-0.23637	hypo	sig	chr5_1859613
chr13	44434311	44434311	+	1.883E-21	5.30403E-20	-0.25869	hypo	sig	chr13_44434311
chr2	2.4E+08	239805584	+	1.884E-21	5.30732E-20	-0.27337	hypo	sig	chr2_239805584
chr8	6563048	6563048	+	1.888E-21	5.31744E-20	0.286654	hyper	sig	chr8_6563048
chr7	1.58E+08	157588554	+	1.889E-21	5.31945E-20	-0.26306	hypo	sig	chr7_157588554
chr7	35454970	35454970	+	1.889E-21	5.32152E-20	0.362474	hyper	sig	chr7_35454970
chr6	1.46E+08	146029221	+	1.889E-21	5.32177E-20	0.209937	hyper	sig	chr6_146029221
chr8	1.33E+08	133212560	+	1.89E-21	5.32209E-20	-0.24872	hypo	sig	chr8_133212560
chr16	88957307	88957307	+	1.89E-21	5.3234E-20	-0.33161	hypo	sig	chr16_88957307
chr6	10883937	10883937	+	1.892E-21	5.32887E-20	0.25574	hyper	sig	chr6_10883937
chr8	1.13E+08	113436974	+	1.896E-21	5.33844E-20	0.211182	hyper	sig	chr8_113436974
chr7	30912139	30912139	+	1.897E-21	5.34146E-20	0.220505	hyper	sig	chr7_30912139
chr10	99234411	99234411	+	1.897E-21	5.34209E-20	0.373224	hyper	sig	chr10_99234411
chr16	4537861	4537861	+	1.898E-21	5.34278E-20	0.331261	hyper	sig	chr16_4537861
chr11	15114600	15114600	+	1.902E-21	5.35462E-20	0.236135	hyper	sig	chr11_15114600
chr12	1.31E+08	131103995	+	1.902E-21	5.35535E-20	-0.20531	hypo	sig	chr12_131103995
chr13	1.12E+08	112063454	+	1.904E-21	5.36072E-20	0.215742	hyper	sig	chr13_112063454
chr1	2.29E+08	229346256	+	1.904E-21	5.36091E-20	-0.34013	hypo	sig	chr1_229346256
chr8	1.41E+08	141230979	+	1.91E-21	5.3758E-20	-0.34072	hypo	sig	chr8_141230979
chr2	2.02E+08	202123535	+	1.911E-21	5.37957E-20	-0.32127	hypo	sig	chr2_202123535
chr17	8057088	8057088	+	1.913E-21	5.38595E-20	-0.34953	hypo	sig	chr17_8057088
chr3	1.47E+08	147394553	+	1.916E-21	5.39245E-20	0.215026	hyper	sig	chr3_147394553
chr19	1497454	1497454	+	1.916E-21	5.39265E-20	-0.22061	hypo	sig	chr19_1497454
chr4	5890558	5890558	+	1.918E-21	5.39796E-20	0.289111	hyper	sig	chr4_5890558
chr17	10197941	10197941	+	1.918E-21	5.39916E-20	0.293689	hyper	sig	chr17_10197941
chr7	1.5E+08	150389049	+	1.92E-21	5.40372E-20	0.247477	hyper	sig	chr7_150389049
chr13	78607150	78607150	+	1.921E-21	5.40508E-20	0.215392	hyper	sig	chr13_78607150
chr13	67230273	67230273	+	1.926E-21	5.42037E-20	0.242857	hyper	sig	chr13_67230273
chr16	55328826	55328826	+	1.929E-21	5.42819E-20	0.288188	hyper	sig	chr16_55328826
chr10	1.34E+08	133529056	+	1.929E-21	5.42891E-20	0.254735	hyper	sig	chr10_133529056
chr4	338693	338693	+	1.929E-21	5.42931E-20	0.281622	hyper	sig	chr4_338693
chr11	1149767	1149767	+	1.93E-21	5.42981E-20	-0.25996	hypo	sig	chr11_1149767
chr12	1.31E+08	130716065	+	1.93E-21	5.43143E-20	0.241936	hyper	sig	chr12_130716065

chr7	119720	119720	+	1.931E-21	5.43335E-20	-0.20661	hypo	sig	chr7_119720
chr2	1.2E+08	119523952	+	1.933E-21	5.43965E-20	0.314423	hyper	sig	chr2_119523952
chr20	37519184	37519184	+	1.935E-21	5.44324E-20	-0.23066	hypo	sig	chr20_37519184
chr13	48319040	48319040	+	1.936E-21	5.44701E-20	0.237273	hyper	sig	chr13_48319040
chr14	41605388	41605388	+	1.937E-21	5.44888E-20	0.202572	hyper	sig	chr14_41605388
chr5	45696490	45696490	+	1.942E-21	5.4622E-20	0.23858	hyper	sig	chr5_45696490
chr16	54940040	54940040	+	1.943E-21	5.46657E-20	0.240526	hyper	sig	chr16_54940040
chr13	1.08E+08	107866032	+	1.945E-21	5.47059E-20	0.289137	hyper	sig	chr13_107866032
chr22	17370749	17370749	+	1.946E-21	5.47447E-20	0.256376	hyper	sig	chr22_17370749
chr17	8056542	8056542	+	1.948E-21	5.47798E-20	-0.24118	hypo	sig	chr17_8056542
chr12	1.23E+08	122716355	+	1.954E-21	5.4945E-20	-0.27323	hypo	sig	chr12_122716355
chr7	23490931	23490931	+	1.958E-21	5.50679E-20	0.20916	hyper	sig	chr7_23490931
chr10	1.19E+08	118595185	+	1.962E-21	5.51802E-20	0.234217	hyper	sig	chr10_118595185
chr7	1298648	1298648	+	1.963E-21	5.51823E-20	-0.21299	hypo	sig	chr7_1298648
chr12	1.04E+08	104458373	+	1.964E-21	5.52122E-20	0.230861	hyper	sig	chr12_104458373
chr3	1.41E+08	141050812	+	1.972E-21	5.54528E-20	0.239229	hyper	sig	chr3_141050812
chr5	1.11E+08	111070914	+	1.975E-21	5.55085E-20	0.251573	hyper	sig	chr5_111070914
chr4	1.41E+08	141131992	+	1.975E-21	5.55281E-20	0.271023	hyper	sig	chr4_141131992
chr7	4810624	4810624	+	1.976E-21	5.55432E-20	-0.20472	hypo	sig	chr7_4810624
chr12	1.32E+08	131854008	+	1.977E-21	5.55711E-20	-0.20664	hypo	sig	chr12_131854008
chr13	36430650	36430650	+	1.982E-21	5.57157E-20	0.22259	hyper	sig	chr13_36430650
chr14	60648021	60648021	+	1.983E-21	5.57242E-20	0.283185	hyper	sig	chr14_60648021
chr1	3238620	3238620	+	1.988E-21	5.58666E-20	0.204199	hyper	sig	chr1_3238620
chr4	8592206	8592206	+	1.988E-21	5.5868E-20	-0.23632	hypo	sig	chr4_8592206
chr22	48503467	48503467	+	1.99E-21	5.59201E-20	-0.23409	hypo	sig	chr22_48503467
chr5	3591138	3591138	+	1.992E-21	5.59729E-20	0.279741	hyper	sig	chr5_3591138
chr19	58350708	58350708	+	1.995E-21	5.60694E-20	0.238924	hyper	sig	chr19_58350708
chr6	52839607	52839607	+	1.997E-21	5.61139E-20	-0.29984	hypo	sig	chr6_52839607
chr15	89221677	89221677	+	2.009E-21	5.64393E-20	-0.2236	hypo	sig	chr15_89221677
chr2	2.19E+08	218962169	+	2.013E-21	5.65667E-20	0.319146	hyper	sig	chr2_218962169
chr1	11848142	11848142	+	2.019E-21	5.67329E-20	-0.23635	hypo	sig	chr1_11848142
chr14	26205409	26205409	+	2.026E-21	5.69071E-20	0.252332	hyper	sig	chr14_26205409
chr16	974869	974869	+	2.028E-21	5.69802E-20	-0.24061	hypo	sig	chr16_974869
chr10	1.33E+08	133243426	+	2.03E-21	5.70285E-20	-0.2792	hypo	sig	chr10_133243426
chr1	3089759	3089759	+	2.032E-21	5.708E-20	-0.21161	hypo	sig	chr1_3089759
chr17	78041131	78041131	+	2.035E-21	5.71484E-20	-0.26824	hypo	sig	chr17_78041131
chr2	2.42E+08	241857401	+	2.037E-21	5.72133E-20	-0.26689	hypo	sig	chr2_241857401
chr14	60507671	60507671	+	2.041E-21	5.73239E-20	0.209686	hyper	sig	chr14_60507671
chr5	1.81E+08	180629291	+	2.042E-21	5.73471E-20	-0.23362	hypo	sig	chr5_180629291
chr5	1.16E+08	115962219	+	2.042E-21	5.73559E-20	0.306587	hyper	sig	chr5_115962219
chr7	1.57E+08	157392633	+	2.044E-21	5.74078E-20	-0.22672	hypo	sig	chr7_157392633
chr10	1.32E+08	132232677	+	2.047E-21	5.74786E-20	-0.23874	hypo	sig	chr10_132232677
chr11	1.18E+08	117810249	+	2.051E-21	5.75979E-20	-0.23691	hypo	sig	chr11_117810249
chr5	1.77E+08	176887334	+	2.052E-21	5.76107E-20	-0.25166	hypo	sig	chr5_176887334
chr3	62367756	62367756	+	2.053E-21	5.76517E-20	0.286671	hyper	sig	chr3_62367756
chr6	1.66E+08	165988887	+	2.06E-21	5.78313E-20	0.311619	hyper	sig	chr6_165988887
chr7	1.57E+08	157125025	+	2.063E-21	5.79158E-20	-0.22491	hypo	sig	chr7_157125025
chr13	1.11E+08	110506572	+	2.064E-21	5.79299E-20	-0.20079	hypo	sig	chr13_110506572
chr10	1.01E+08	100652231	+	2.067E-21	5.80144E-20	-0.31552	hypo	sig	chr10_100652231
chr2	2.35E+08	235053807	+	2.067E-21	5.8028E-20	-0.3013	hypo	sig	chr2_235053807
chr17	36901214	36901214	+	2.068E-21	5.80409E-20	-0.22729	hypo	sig	chr17_36901214
chr1	1.54E+08	153565969	+	2.069E-21	5.80714E-20	-0.26018	hypo	sig	chr1_153565969
chr17	8056759	8056759	+	2.074E-21	5.82147E-20	-0.28039	hypo	sig	chr17_8056759
chr16	2714269	2714269	+	2.077E-21	5.82793E-20	-0.25907	hypo	sig	chr16_2714269
chr17	49963919	49963919	+	2.078E-21	5.83018E-20	0.377588	hyper	sig	chr17_49963919
chr1	1.57E+08	156647030	+	2.08E-21	5.83754E-20	0.238014	hyper	sig	chr1_156647030

chr2	44932536	44932536	+	2.081E-21	5.83858E-20	0.20199	hyper	sig	chr2_44932536
chr6	30164029	30164029	+	2.082E-21	5.84214E-20	-0.20485	hypo	sig	chr6_30164029
chr21	26967744	26967744	+	2.084E-21	5.84822E-20	0.243779	hyper	sig	chr21_26967744
chr13	52848184	52848184	+	2.085E-21	5.8486E-20	0.259065	hyper	sig	chr13_52848184
chr17	79006888	79006888	+	2.085E-21	5.84884E-20	-0.24948	hypo	sig	chr17_79006888
chr4	1.74E+08	173518726	+	2.09E-21	5.86212E-20	0.299022	hyper	sig	chr4_173518726
chr5	1232529	1232529	+	2.09E-21	5.86212E-20	-0.3324	hypo	sig	chr5_1232529
chr17	81835919	81835919	+	2.095E-21	5.87616E-20	-0.2483	hypo	sig	chr17_81835919
chr4	55157722	55157722	+	2.096E-21	5.87978E-20	0.305165	hyper	sig	chr4_55157722
chr12	1.14E+08	114408482	+	2.097E-21	5.88241E-20	0.255904	hyper	sig	chr12_114408482
chr17	44902820	44902820	+	2.101E-21	5.89266E-20	0.226344	hyper	sig	chr17_44902820
chr7	1.55E+08	155462404	+	2.102E-21	5.89568E-20	0.265912	hyper	sig	chr7_155462404
chr3	1.47E+08	147391997	+	2.106E-21	5.90572E-20	0.264533	hyper	sig	chr3_147391997
chr20	38729463	38729463	+	2.106E-21	5.90714E-20	0.21436	hyper	sig	chr20_38729463
chr11	1.34E+08	133788118	+	2.11E-21	5.91765E-20	0.253942	hyper	sig	chr11_133788118
chr18	47931932	47931932	+	2.111E-21	5.9196E-20	-0.22891	hypo	sig	chr18_47931932
chr19	58002158	58002158	+	2.111E-21	5.92058E-20	0.226863	hyper	sig	chr19_58002158
chr16	3189356	3189356	+	2.115E-21	5.9287E-20	0.201338	hyper	sig	chr16_3189356
chr1	2231998	2231998	+	2.116E-21	5.93379E-20	-0.20312	hypo	sig	chr1_2231998
chr2	28979970	28979970	+	2.12E-21	5.94303E-20	-0.24145	hypo	sig	chr2_28979970
chr15	52794891	52794891	+	2.122E-21	5.94937E-20	0.262189	hyper	sig	chr15_52794891
chr5	53837141	53837141	+	2.123E-21	5.95071E-20	-0.26207	hypo	sig	chr5_53837141
chr8	1.43E+08	142777154	+	2.123E-21	5.9523E-20	0.21196	hyper	sig	chr8_142777154
chr9	1.25E+08	125405180	+	2.125E-21	5.95551E-20	-0.23179	hypo	sig	chr9_125405180
chr12	52233469	52233469	+	2.13E-21	5.96848E-20	0.315691	hyper	sig	chr12_52233469
chr1	1426313	1426313	+	2.131E-21	5.97302E-20	-0.26027	hypo	sig	chr1_1426313
chr15	69410363	69410363	+	2.132E-21	5.97441E-20	-0.32654	hypo	sig	chr15_69410363
chr7	1.58E+08	157668716	+	2.135E-21	5.98329E-20	0.203466	hyper	sig	chr7_157668716
chr7	2567043	2567043	+	2.14E-21	5.99779E-20	0.288568	hyper	sig	chr7_2567043
chr6	28885328	28885328	+	2.142E-21	6.00142E-20	0.323632	hyper	sig	chr6_28885328
chr14	97219497	97219497	+	2.144E-21	6.00885E-20	0.264219	hyper	sig	chr14_97219497
chr22	46077194	46077194	+	2.151E-21	6.0266E-20	-0.25276	hypo	sig	chr22_46077194
chr17	1575609	1575609	+	2.153E-21	6.03143E-20	-0.2327	hypo	sig	chr17_1575609
chr19	670560	670560	+	2.154E-21	6.03587E-20	-0.24056	hypo	sig	chr19_670560
chr3	42265448	42265448	+	2.155E-21	6.03681E-20	0.248293	hyper	sig	chr3_42265448
chr14	41607538	41607538	+	2.155E-21	6.03724E-20	0.215646	hyper	sig	chr14_41607538
chr5	1.41E+08	141234517	+	2.16E-21	6.05015E-20	0.263813	hyper	sig	chr5_141234517
chr14	1.01E+08	100732181	+	2.165E-21	6.06502E-20	-0.26215	hypo	sig	chr14_100732181
chr1	13793345	13793345	+	2.165E-21	6.0656E-20	0.233217	hyper	sig	chr1_13793345
chr16	49275355	49275355	+	2.166E-21	6.06785E-20	0.255553	hyper	sig	chr16_49275355
chr1	1.44E+08	143661198	+	2.166E-21	6.06841E-20	0.22068	hyper	sig	chr1_143661198
chr9	1.37E+08	136739828	+	2.172E-21	6.08395E-20	-0.29036	hypo	sig	chr9_136739828
chr19	58350161	58350161	+	2.174E-21	6.0881E-20	0.236349	hyper	sig	chr19_58350161
chr17	44558410	44558410	+	2.178E-21	6.10089E-20	0.264725	hyper	sig	chr17_44558410
chr6	27260488	27260488	+	2.179E-21	6.10208E-20	0.219486	hyper	sig	chr6_27260488
chr7	2079745	2079745	+	2.185E-21	6.11997E-20	-0.23529	hypo	sig	chr7_2079745
chr4	1.45E+08	144645363	+	2.186E-21	6.12041E-20	0.227351	hyper	sig	chr4_144645363
chr7	1.3E+08	130366013	+	2.186E-21	6.12103E-20	-0.25204	hypo	sig	chr7_130366013
chr7	1.5E+08	150341416	+	2.193E-21	6.14116E-20	0.258167	hyper	sig	chr7_150341416
chr2	2.19E+08	219250543	+	2.194E-21	6.14402E-20	-0.22318	hypo	sig	chr2_219250543
chr19	49049410	49049410	+	2.196E-21	6.14969E-20	-0.20314	hypo	sig	chr19_49049410
chr1	11312081	11312081	+	2.199E-21	6.15773E-20	-0.23226	hypo	sig	chr1_11312081
chr19	58009689	58009689	+	2.2E-21	6.15896E-20	0.210642	hyper	sig	chr19_58009689
chr6	1.7E+08	170092500	+	2.202E-21	6.16373E-20	-0.29906	hypo	sig	chr6_170092500
chr22	50031612	50031612	+	2.205E-21	6.17229E-20	-0.21629	hypo	sig	chr22_50031612
chr12	1.28E+08	128366176	+	2.207E-21	6.17671E-20	0.218151	hyper	sig	chr12_128366176

chr12	54060512	54060512	+	2.207E-21	6.17721E-20	0.238258	hyper	sig	chr12_54060512
chr12	1500304	1500304	+	2.215E-21	6.19812E-20	-0.22831	hypo	sig	chr12_1500304
chr20	21608496	21608496	+	2.221E-21	6.21441E-20	-0.28265	hypo	sig	chr20_21608496
chr13	1.11E+08	111320572	+	2.221E-21	6.21653E-20	-0.20636	hypo	sig	chr13_111320572
chr1	47450182	47450182	+	2.223E-21	6.21982E-20	-0.23493	hypo	sig	chr1_47450182
chr6	1.66E+08	165819598	+	2.227E-21	6.23045E-20	0.242256	hyper	sig	chr6_165819598
chr13	21972221	21972221	+	2.231E-21	6.24241E-20	-0.2287	hypo	sig	chr13_21972221
chr1	16520714	16520714	+	2.232E-21	6.24425E-20	0.209514	hyper	sig	chr1_16520714
chr6	1E+08	100449493	+	2.238E-21	6.26246E-20	0.269616	hyper	sig	chr6_100449493
chr7	35454962	35454962	+	2.238E-21	6.26246E-20	0.363965	hyper	sig	chr7_35454962
chr7	1.57E+08	157124928	+	2.245E-21	6.27942E-20	-0.30299	hypo	sig	chr7_157124928
chr6	10382576	10382576	+	2.249E-21	6.29239E-20	0.257887	hyper	sig	chr6_10382576
chr11	86195470	86195470	+	2.251E-21	6.29711E-20	-0.27444	hypo	sig	chr11_86195470
chr3	27728668	27728668	+	2.252E-21	6.2997E-20	0.222522	hyper	sig	chr3_27728668
chr6	1.18E+08	117920312	+	2.254E-21	6.30432E-20	0.261878	hyper	sig	chr6_117920312
chr8	1.41E+08	141195032	+	2.255E-21	6.30768E-20	-0.23171	hypo	sig	chr8_141195032
chr14	70186984	70186984	+	2.256E-21	6.31055E-20	0.310698	hyper	sig	chr14_70186984
chr11	86195238	86195238	+	2.257E-21	6.31278E-20	-0.29106	hypo	sig	chr11_86195238
chr12	43552193	43552193	+	2.257E-21	6.31278E-20	0.286842	hyper	sig	chr12_43552193
chr5	3597313	3597313	+	2.259E-21	6.31667E-20	0.310347	hyper	sig	chr5_3597313
chr19	12194759	12194759	+	2.26E-21	6.3187E-20	0.26327	hyper	sig	chr19_12194759
chr11	32433341	32433341	+	2.268E-21	6.34113E-20	0.221033	hyper	sig	chr11_32433341
chr5	1.59E+08	159104539	+	2.272E-21	6.35261E-20	0.273028	hyper	sig	chr5_159104539
chr19	48837264	48837264	+	2.273E-21	6.35507E-20	0.251661	hyper	sig	chr19_48837264
chr10	42368091	42368091	+	2.275E-21	6.35875E-20	0.277684	hyper	sig	chr10_42368091
chr5	1.81E+08	180646780	+	2.275E-21	6.35875E-20	-0.26208	hypo	sig	chr5_180646780
chr19	36245712	36245712	+	2.277E-21	6.36582E-20	0.222896	hyper	sig	chr19_36245712
chr5	55223259	55223259	+	2.278E-21	6.36829E-20	0.292617	hyper	sig	chr5_55223259
chr10	1.02E+08	102410884	+	2.279E-21	6.37095E-20	0.211085	hyper	sig	chr10_102410884
chr10	1.28E+08	127736922	+	2.28E-21	6.37269E-20	0.355064	hyper	sig	chr10_127736922
chr6	31888646	31888646	+	2.286E-21	6.38858E-20	-0.23802	hypo	sig	chr6_31888646
chr13	1.14E+08	114046838	+	2.295E-21	6.41313E-20	-0.25038	hypo	sig	chr13_114046838
chr13	27795301	27795301	+	2.296E-21	6.41658E-20	0.312456	hyper	sig	chr13_27795301
chr15	65396927	65396927	+	2.296E-21	6.41688E-20	0.235264	hyper	sig	chr15_65396927
chr16	3189275	3189275	+	2.302E-21	6.43343E-20	0.205429	hyper	sig	chr16_3189275
chr4	1.4E+08	140426903	+	2.31E-21	6.45487E-20	0.210892	hyper	sig	chr4_140426903
chr11	1.11E+08	110713009	+	2.311E-21	6.45778E-20	0.236681	hyper	sig	chr11_110713009
chr7	1.5E+08	149831536	+	2.311E-21	6.45778E-20	-0.26507	hypo	sig	chr7_149831536
chr8	11347152	11347152	+	2.313E-21	6.4618E-20	0.215562	hyper	sig	chr8_11347152
chr6	32148977	32148977	+	2.315E-21	6.46669E-20	0.345533	hyper	sig	chr6_32148977
chr20	63800074	63800074	+	2.323E-21	6.49074E-20	-0.32311	hypo	sig	chr20_63800074
chr17	82388119	82388119	+	2.324E-21	6.49143E-20	-0.31253	hypo	sig	chr17_82388119
chr16	1040228	1040228	+	2.324E-21	6.49248E-20	-0.21299	hypo	sig	chr16_1040228
chr17	82342728	82342728	+	2.325E-21	6.49383E-20	-0.23688	hypo	sig	chr17_82342728
chr10	1.01E+08	101227787	+	2.336E-21	6.52546E-20	0.24278	hyper	sig	chr10_101227787
chr4	1.55E+08	155376928	+	2.338E-21	6.52988E-20	0.225566	hyper	sig	chr4_155376928
chr8	84183419	84183419	+	2.339E-21	6.53237E-20	0.382158	hyper	sig	chr8_84183419
chr13	42574200	42574200	+	2.343E-21	6.54366E-20	0.226068	hyper	sig	chr13_42574200
chr1	6250413	6250413	+	2.346E-21	6.55046E-20	0.253907	hyper	sig	chr1_6250413
chr15	55588964	55588964	+	2.354E-21	6.57384E-20	0.316844	hyper	sig	chr15_55588964
chr2	1.06E+08	106066184	+	2.361E-21	6.59081E-20	0.296354	hyper	sig	chr2_106066184
chr8	49909918	49909918	+	2.368E-21	6.61107E-20	0.206241	hyper	sig	chr8_49909918
chr14	56812778	56812778	+	2.369E-21	6.61498E-20	0.285657	hyper	sig	chr14_56812778
chr7	1.44E+08	143885453	+	2.371E-21	6.61991E-20	0.295818	hyper	sig	chr7_143885453
chr5	488495	488495	+	2.374E-21	6.62673E-20	-0.20622	hypo	sig	chr5_488495
chr1	1.47E+08	147079260	+	2.376E-21	6.63122E-20	0.292846	hyper	sig	chr1_147079260

chr19	33623229	33623229	+	2.376E-21	6.63272E-20	0.245917	hyper	sig	chr19_33623229
chr11	2147395	2147395	+	2.38E-21	6.64381E-20	-0.22303	hypo	sig	chr11_2147395
chr15	28832124	28832124	+	2.381E-21	6.64426E-20	0.254932	hyper	sig	chr15_28832124
chr6	1.01E+08	101399182	+	2.384E-21	6.65343E-20	0.255918	hyper	sig	chr6_101399182
chr16	84226262	84226262	+	2.386E-21	6.6595E-20	-0.24058	hypo	sig	chr16_84226262
chr2	2.08E+08	208124180	+	2.389E-21	6.66656E-20	0.20529	hyper	sig	chr2_208124180
chr12	6539619	6539619	+	2.39E-21	6.66908E-20	-0.20815	hypo	sig	chr12_6539619
chr8	71558451	71558451	+	2.393E-21	6.67837E-20	0.27432	hyper	sig	chr8_71558451
chr16	62036095	62036095	+	2.395E-21	6.68217E-20	0.223076	hyper	sig	chr16_62036095
chr1	2.28E+08	228144801	+	2.397E-21	6.68836E-20	-0.23801	hypo	sig	chr1_228144801
chr15	98643736	98643736	+	2.398E-21	6.68913E-20	-0.2584	hypo	sig	chr15_98643736
chr5	1.41E+08	141423206	+	2.397E-21	6.68913E-20	0.21827	hyper	sig	chr5_141423206
chr1	1.81E+08	181483817	+	2.398E-21	6.69081E-20	0.249096	hyper	sig	chr1_181483817
chr7	1.01E+08	101362637	+	2.399E-21	6.69367E-20	0.249653	hyper	sig	chr7_101362637
chr6	83430311	83430311	+	2.4E-21	6.69442E-20	-0.28807	hypo	sig	chr6_83430311
chr13	24160041	24160041	+	2.405E-21	6.7088E-20	-0.26202	hypo	sig	chr13_24160041
chr5	1.34E+08	134113792	+	2.406E-21	6.71266E-20	0.254138	hyper	sig	chr5_134113792
chr13	1.12E+08	112074102	+	2.408E-21	6.71637E-20	0.248067	hyper	sig	chr13_112074102
chr21	33025454	33025454	+	2.408E-21	6.71758E-20	0.255093	hyper	sig	chr21_33025454
chr8	24914657	24914657	+	2.412E-21	6.7261E-20	0.253524	hyper	sig	chr8_24914657
chr5	1.17E+08	116576638	+	2.412E-21	6.72742E-20	0.245295	hyper	sig	chr5_116576638
chr4	1.74E+08	173501288	+	2.412E-21	6.72744E-20	0.241535	hyper	sig	chr4_173501288
chr7	45718045	45718045	+	2.417E-21	6.74024E-20	-0.24626	hypo	sig	chr7_45718045
chr4	3740710	3740710	+	2.417E-21	6.74162E-20	-0.24001	hypo	sig	chr4_3740710
chr7	1.5E+08	150389123	+	2.424E-21	6.75789E-20	0.234549	hyper	sig	chr7_150389123
chr8	1.44E+08	143950645	+	2.427E-21	6.76692E-20	-0.24194	hypo	sig	chr8_143950645
chr1	1.8E+08	179744106	+	2.434E-21	6.78687E-20	0.30432	hyper	sig	chr1_179744106
chr1	1.11E+08	110675621	+	2.434E-21	6.78739E-20	0.285935	hyper	sig	chr1_110675621
chr20	63361181	63361181	+	2.436E-21	6.79195E-20	0.210556	hyper	sig	chr20_63361181
chr1	9070517	9070517	+	2.437E-21	6.79434E-20	-0.25024	hypo	sig	chr1_9070517
chr5	55223233	55223233	+	2.438E-21	6.7959E-20	0.283335	hyper	sig	chr5_55223233
chr17	81400624	81400624	+	2.44E-21	6.80275E-20	0.204439	hyper	sig	chr17_81400624
chr16	30573537	30573537	+	2.451E-21	6.83153E-20	-0.24411	hypo	sig	chr16_30573537
chr2	44944698	44944698	+	2.454E-21	6.83952E-20	0.285583	hyper	sig	chr2_44944698
chr11	63763514	63763514	+	2.454E-21	6.84062E-20	-0.26258	hypo	sig	chr11_63763514
chr5	1.73E+08	173246200	+	2.455E-21	6.84101E-20	0.229729	hyper	sig	chr5_173246200
chr7	1.51E+08	151275196	+	2.454E-21	6.84101E-20	-0.25311	hypo	sig	chr7_151275196
chr1	34165723	34165723	+	2.458E-21	6.85069E-20	0.232757	hyper	sig	chr1_34165723
chr21	26967731	26967731	+	2.461E-21	6.85836E-20	0.29157	hyper	sig	chr21_26967731
chr6	10390014	10390014	+	2.463E-21	6.8648E-20	0.340487	hyper	sig	chr6_10390014
chr20	20365491	20365491	+	2.464E-21	6.86645E-20	0.325191	hyper	sig	chr20_20365491
chr11	1.34E+08	134069732	+	2.465E-21	6.86932E-20	0.288019	hyper	sig	chr11_134069732
chr11	59062864	59062864	+	2.467E-21	6.87358E-20	0.202037	hyper	sig	chr11_59062864
chr8	1.44E+08	144335148	+	2.468E-21	6.87709E-20	-0.20913	hypo	sig	chr8_144335148
chr7	35259051	35259051	+	2.469E-21	6.87904E-20	0.26714	hyper	sig	chr7_35259051
chr13	1.14E+08	114048807	+	2.47E-21	6.88118E-20	-0.24405	hypo	sig	chr13_114048807
chr13	36431979	36431979	+	2.472E-21	6.88723E-20	0.332888	hyper	sig	chr13_36431979
chr1	63316803	63316803	+	2.473E-21	6.88875E-20	0.290856	hyper	sig	chr1_63316803
chr13	36430512	36430512	+	2.474E-21	6.89304E-20	0.257273	hyper	sig	chr13_36430512
chr3	63278099	63278099	+	2.482E-21	6.9138E-20	0.253905	hyper	sig	chr3_63278099
chr8	1.31E+08	131042481	+	2.482E-21	6.91509E-20	0.283648	hyper	sig	chr8_131042481
chr17	78630257	78630257	+	2.484E-21	6.91811E-20	-0.26952	hypo	sig	chr17_78630257
chr14	1.01E+08	101077780	+	2.484E-21	6.91837E-20	0.261042	hyper	sig	chr14_101077780
chr7	27103859	27103859	+	2.486E-21	6.92416E-20	0.220958	hyper	sig	chr7_27103859
chr7	49775070	49775070	+	2.487E-21	6.92586E-20	0.237102	hyper	sig	chr7_49775070
chr1	4653973	4653973	+	2.493E-21	6.94478E-20	0.29036	hyper	sig	chr1_4653973

chr17	3901759	3901759	+	2.494E-21	6.94678E-20	-0.20282	hypo	sig	chr17_3901759
chr17	81158175	81158175	+	2.496E-21	6.9507E-20	-0.20728	hypo	sig	chr17_81158175
chr2	2.02E+08	202123574	+	2.502E-21	6.96809E-20	-0.28052	hypo	sig	chr2_202123574
chr11	31806372	31806372	+	2.51E-21	6.98902E-20	0.211416	hyper	sig	chr11_31806372
chr7	1.58E+08	157588608	+	2.511E-21	6.99109E-20	-0.28004	hypo	sig	chr7_157588608
chr1	98044774	98044774	+	2.519E-21	7.01539E-20	0.295567	hyper	sig	chr1_98044774
chr10	23096895	23096895	+	2.521E-21	7.01844E-20	-0.32279	hypo	sig	chr10_23096895
chr4	13535282	13535282	+	2.523E-21	7.02471E-20	0.235837	hyper	sig	chr4_13535282
chr19	57099321	57099321	+	2.528E-21	7.03957E-20	0.250132	hyper	sig	chr19_57099321
chr16	29252028	29252028	+	2.529E-21	7.04051E-20	-0.2984	hypo	sig	chr16_29252028
chr4	7983516	7983516	+	2.531E-21	7.04544E-20	0.23525	hyper	sig	chr4_7983516
chr8	578473	578473	+	2.532E-21	7.04835E-20	-0.21961	hypo	sig	chr8_578473
chr16	88937914	88937914	+	2.532E-21	7.0496E-20	-0.22835	hypo	sig	chr16_88937914
chr10	1.33E+08	133365414	+	2.535E-21	7.05526E-20	-0.26892	hypo	sig	chr10_133365414
chr6	27495404	27495404	+	2.543E-21	7.0792E-20	0.231053	hyper	sig	chr6_27495404
chr5	1.41E+08	141374227	+	2.548E-21	7.09284E-20	0.22241	hyper	sig	chr5_141374227
chr19	56765304	56765304	+	2.55E-21	7.09852E-20	0.298543	hyper	sig	chr19_56765304
chr6	32068627	32068627	+	2.553E-21	7.1067E-20	-0.20589	hypo	sig	chr6_32068627
chr16	986980	986980	+	2.557E-21	7.11667E-20	-0.24192	hypo	sig	chr16_986980
chr12	24903278	24903278	+	2.558E-21	7.11873E-20	0.28267	hyper	sig	chr12_24903278
chr17	80178667	80178667	+	2.563E-21	7.13272E-20	-0.2432	hypo	sig	chr17_80178667
chr7	1.06E+08	105963263	+	2.566E-21	7.13875E-20	-0.26107	hypo	sig	chr7_105963263
chr19	53978650	53978650	+	2.57E-21	7.15038E-20	0.308484	hyper	sig	chr19_53978650
chr6	98825125	98825125	+	2.575E-21	7.16479E-20	0.310608	hyper	sig	chr6_98825125
chr5	1.41E+08	141390089	+	2.58E-21	7.17657E-20	0.293007	hyper	sig	chr5_141390089
chr5	1.41E+08	141433041	+	2.581E-21	7.18065E-20	0.234649	hyper	sig	chr5_141433041
chr22	25286854	25286854	+	2.605E-21	7.24631E-20	-0.32251	hypo	sig	chr22_25286854
chr5	1.29E+08	128537838	+	2.615E-21	7.27367E-20	0.254868	hyper	sig	chr5_128537838
chr8	10731552	10731552	+	2.616E-21	7.27683E-20	0.241621	hyper	sig	chr8_10731552
chr7	1.58E+08	158016291	+	2.617E-21	7.27824E-20	-0.25975	hypo	sig	chr7_158016291
chr19	40568018	40568018	+	2.621E-21	7.28884E-20	0.292472	hyper	sig	chr19_40568018
chr6	32058828	32058828	+	2.621E-21	7.28897E-20	-0.2218	hypo	sig	chr6_32058828
chr10	44963393	44963393	+	2.625E-21	7.2994E-20	0.223299	hyper	sig	chr10_44963393
chr1	1.48E+08	148310103	+	2.627E-21	7.30577E-20	0.276749	hyper	sig	chr1_148310103
chr7	27115929	27115929	+	2.633E-21	7.32154E-20	0.242632	hyper	sig	chr7_27115929
chr20	43189280	43189280	+	2.64E-21	7.34024E-20	0.219234	hyper	sig	chr20_43189280
chr9	1.35E+08	134501175	+	2.641E-21	7.34446E-20	0.249849	hyper	sig	chr9_134501175
chr14	90617130	90617130	+	2.644E-21	7.35026E-20	-0.29034	hypo	sig	chr14_90617130
chr6	28825893	28825893	+	2.647E-21	7.35907E-20	0.239927	hyper	sig	chr6_28825893
chr14	26205354	26205354	+	2.648E-21	7.36096E-20	0.223115	hyper	sig	chr14_26205354
chr14	99319854	99319854	+	2.653E-21	7.37509E-20	-0.28909	hypo	sig	chr14_99319854
chr5	1.55E+08	154938610	+	2.653E-21	7.3756E-20	-0.35954	hypo	sig	chr5_154938610
chr1	2.31E+08	231161357	+	2.658E-21	7.38836E-20	0.223611	hyper	sig	chr1_231161357
chr22	46077250	46077250	+	2.66E-21	7.39492E-20	-0.25264	hypo	sig	chr22_46077250
chr5	1.81E+08	180629285	+	2.662E-21	7.39892E-20	-0.23941	hypo	sig	chr5_180629285
chr18	47248700	47248700	+	2.665E-21	7.40672E-20	0.246504	hyper	sig	chr18_47248700
chr8	1.08E+08	108083036	+	2.672E-21	7.42543E-20	0.235971	hyper	sig	chr8_108083036
chr16	22813205	22813205	+	2.677E-21	7.43973E-20	0.278997	hyper	sig	chr16_22813205
chr15	79283909	79283909	+	2.679E-21	7.44461E-20	0.222959	hyper	sig	chr15_79283909
chr11	1.33E+08	132938902	+	2.683E-21	7.45489E-20	-0.35087	hypo	sig	chr11_132938902
chr11	278421	278421	+	2.686E-21	7.46419E-20	-0.22029	hypo	sig	chr11_278421
chr1	58249933	58249933	+	2.698E-21	7.49749E-20	0.200067	hyper	sig	chr1_58249933
chr12	1.24E+08	123913211	+	2.704E-21	7.51137E-20	-0.29283	hypo	sig	chr12_123913211
chr20	1302744	1302744	+	2.704E-21	7.5121E-20	-0.2104	hypo	sig	chr20_1302744
chr1	3651129	3651129	+	2.705E-21	7.51554E-20	0.224387	hyper	sig	chr1_3651129
chr4	10458281	10458281	+	2.72E-21	7.55666E-20	-0.23211	hypo	sig	chr4_10458281

chr20	38674355	38674355	+	2.728E-21	7.57736E-20	0.252546	hyper	sig	chr20_38674355
chr16	88406536	88406536	+	2.742E-21	7.61631E-20	-0.21292	hypo	sig	chr16_88406536
chr13	25372642	25372642	+	2.743E-21	7.61863E-20	0.345974	hyper	sig	chr13_25372642
chr12	1.15E+08	114735964	+	2.743E-21	7.61867E-20	0.29678	hyper	sig	chr12_114735964
chr10	1.31E+08	131084776	+	2.757E-21	7.65634E-20	-0.20202	hypo	sig	chr10_131084776
chr11	1936226	1936226	+	2.761E-21	7.66606E-20	-0.21699	hypo	sig	chr11_1936226
chr14	24132490	24132490	+	2.762E-21	7.66886E-20	-0.23192	hypo	sig	chr14_24132490
chr10	6120815	6120815	+	2.764E-21	7.67429E-20	-0.23893	hypo	sig	chr10_6120815
chr7	30912230	30912230	+	2.764E-21	7.67429E-20	0.218367	hyper	sig	chr7_30912230
chr20	22576936	22576936	+	2.772E-21	7.69629E-20	-0.28222	hypo	sig	chr20_22576936
chr11	6480370	6480370	+	2.774E-21	7.70052E-20	-0.24199	hypo	sig	chr11_6480370
chr22	25026922	25026922	+	2.774E-21	7.70196E-20	-0.26289	hypo	sig	chr22_25026922
chr6	32046412	32046412	+	2.777E-21	7.70816E-20	-0.20655	hypo	sig	chr6_32046412
chr8	9905193	9905193	+	2.779E-21	7.71341E-20	0.21345	hyper	sig	chr8_9905193
chr4	624464	624464	+	2.782E-21	7.72258E-20	-0.25716	hypo	sig	chr4_624464
chr2	3649937	3649937	+	2.786E-21	7.73201E-20	-0.20518	hypo	sig	chr2_3649937
chr3	1.98E+08	198081809	+	2.787E-21	7.73433E-20	0.30416	hyper	sig	chr3_198081809
chr4	1.47E+08	146637376	+	2.788E-21	7.73906E-20	0.286727	hyper	sig	chr4_146637376
chr21	44517402	44517402	+	2.789E-21	7.74006E-20	-0.22295	hypo	sig	chr21_44517402
chr12	24902338	24902338	+	2.789E-21	7.74056E-20	0.243289	hyper	sig	chr12_24902338
chr1	2.06E+08	205849989	+	2.793E-21	7.75031E-20	0.256644	hyper	sig	chr1_205849989
chr2	2.39E+08	239247488	+	2.794E-21	7.75447E-20	-0.25854	hypo	sig	chr2_239247488
chr18	78795521	78795521	+	2.795E-21	7.75571E-20	-0.24359	hypo	sig	chr18_78795521
chr17	41350730	41350730	+	2.81E-21	7.79611E-20	-0.23781	hypo	sig	chr17_41350730
chr12	4909242	4909242	+	2.81E-21	7.79694E-20	0.285551	hyper	sig	chr12_4909242
chr19	23071574	23071574	+	2.82E-21	7.82336E-20	0.282968	hyper	sig	chr19_23071574
chr6	32062346	32062346	+	2.829E-21	7.84796E-20	-0.21401	hypo	sig	chr6_32062346
chr15	52794629	52794629	+	2.83E-21	7.85155E-20	0.261556	hyper	sig	chr15_52794629
chr5	1555696	1555696	+	2.833E-21	7.86E-20	-0.26627	hypo	sig	chr5_1555696
chr13	1.12E+08	112450596	+	2.834E-21	7.86055E-20	-0.21434	hypo	sig	chr13_112450596
chr13	1.14E+08	113650420	+	2.835E-21	7.86474E-20	-0.22734	hypo	sig	chr13_113650420
chr16	87518071	87518071	+	2.836E-21	7.86781E-20	-0.29247	hypo	sig	chr16_87518071
chr17	48623105	48623105	+	2.837E-21	7.86802E-20	-0.31037	hypo	sig	chr17_48623105
chr7	181274	181274	+	2.838E-21	7.87091E-20	-0.24605	hypo	sig	chr7_181274
chr2	2.02E+08	202123539	+	2.844E-21	7.88777E-20	-0.31653	hypo	sig	chr2_202123539
chr16	1963169	1963169	+	2.846E-21	7.89392E-20	-0.20585	hypo	sig	chr16_1963169
chr1	3141556	3141556	+	2.849E-21	7.90046E-20	-0.20698	hypo	sig	chr1_3141556
chr17	82321207	82321207	+	2.85E-21	7.90261E-20	-0.27651	hypo	sig	chr17_82321207
chr5	1.73E+08	173244782	+	2.853E-21	7.91143E-20	0.306721	hyper	sig	chr5_173244782
chr14	56795495	56795495	+	2.858E-21	7.92373E-20	0.255919	hyper	sig	chr14_56795495
chr17	44988533	44988533	+	2.858E-21	7.92465E-20	0.21015	hyper	sig	chr17_44988533
chr3	62369783	62369783	+	2.86E-21	7.9284E-20	0.29058	hyper	sig	chr3_62369783
chr4	4226449	4226449	+	2.864E-21	7.94091E-20	0.271496	hyper	sig	chr4_4226449
chr19	883879	883879	+	2.868E-21	7.95006E-20	-0.20074	hypo	sig	chr19_883879
chr18	10589172	10589172	+	2.869E-21	7.95319E-20	-0.22966	hypo	sig	chr18_10589172
chr12	6824285	6824285	+	2.872E-21	7.96056E-20	-0.20322	hypo	sig	chr12_6824285
chr4	386704	386704	+	2.874E-21	7.96679E-20	0.279886	hyper	sig	chr4_386704
chr10	1.01E+08	101227688	+	2.878E-21	7.97846E-20	0.201569	hyper	sig	chr10_101227688
chr3	62368861	62368861	+	2.879E-21	7.97902E-20	0.238942	hyper	sig	chr3_62368861
chr9	37027261	37027261	+	2.879E-21	7.98046E-20	0.271511	hyper	sig	chr9_37027261
chr16	54932581	54932581	+	2.882E-21	7.98844E-20	0.221539	hyper	sig	chr16_54932581
chr17	82309186	82309186	+	2.889E-21	8.00755E-20	-0.24108	hypo	sig	chr17_82309186
chr13	1.12E+08	112069892	+	2.89E-21	8.01003E-20	0.331832	hyper	sig	chr13_112069892
chr13	70108117	70108117	+	2.891E-21	8.01167E-20	0.310059	hyper	sig	chr13_70108117
chr22	49543996	49543996	+	2.893E-21	8.01655E-20	-0.20486	hypo	sig	chr22_49543996
chr6	1E+08	100449407	+	2.893E-21	8.01655E-20	0.30074	hyper	sig	chr6_100449407

chr5	1.41E+08	141423248	+	2.901E-21	8.03799E-20	0.210322	hyper	sig	chr5_141423248
chr6	30111527	30111527	+	2.902E-21	8.03963E-20	-0.21875	hypo	sig	chr6_30111527
chr2	1.19E+08	118857487	+	2.903E-21	8.04141E-20	0.245939	hyper	sig	chr2_118857487
chr16	1194488	1194488	+	2.908E-21	8.05515E-20	-0.24937	hypo	sig	chr16_1194488
chr6	1.61E+08	160679397	+	2.913E-21	8.06967E-20	0.333233	hyper	sig	chr6_160679397
chr13	36431990	36431990	+	2.942E-21	8.14927E-20	0.339606	hyper	sig	chr13_36431990
chr1	35577483	35577483	+	2.944E-21	8.15313E-20	0.22616	hyper	sig	chr1_35577483
chr7	97013482	97013482	+	2.944E-21	8.15505E-20	0.217276	hyper	sig	chr7_97013482
chr1	52843524	52843524	+	2.949E-21	8.16726E-20	0.278381	hyper	sig	chr1_52843524
chr1	2498810	2498810	+	2.95E-21	8.17078E-20	-0.23206	hypo	sig	chr1_2498810
chr5	51387557	51387557	+	2.951E-21	8.17309E-20	0.207181	hyper	sig	chr5_51387557
chr5	3197616	3197616	+	2.951E-21	8.17347E-20	0.272389	hyper	sig	chr5_3197616
chr16	62036054	62036054	+	2.954E-21	8.17949E-20	0.254371	hyper	sig	chr16_62036054
chr16	88327940	88327940	+	2.958E-21	8.19004E-20	-0.22882	hypo	sig	chr16_88327940
chr7	24283860	24283860	+	2.96E-21	8.19542E-20	0.401552	hyper	sig	chr7_24283860
chr5	1.41E+08	141351743	+	2.964E-21	8.20591E-20	0.202944	hyper	sig	chr5_141351743
chr12	53975595	53975595	+	2.971E-21	8.22508E-20	0.222835	hyper	sig	chr12_53975595
chr10	1.02E+08	102240631	+	2.973E-21	8.23182E-20	0.278142	hyper	sig	chr10_102240631
chr11	14905449	14905449	+	2.976E-21	8.23756E-20	0.28363	hyper	sig	chr11_14905449
chr16	88842117	88842117	+	2.983E-21	8.25644E-20	-0.21052	hypo	sig	chr16_88842117
chr3	62371103	62371103	+	2.99E-21	8.27617E-20	0.305616	hyper	sig	chr3_62371103
chr13	36430578	36430578	+	2.991E-21	8.27985E-20	0.211525	hyper	sig	chr13_36430578
chr6	30110498	30110498	+	2.992E-21	8.28051E-20	-0.22512	hypo	sig	chr6_30110498
chr8	71558508	71558508	+	3E-21	8.3019E-20	0.2484	hyper	sig	chr8_71558508
chr13	36432255	36432255	+	3.003E-21	8.31177E-20	0.268123	hyper	sig	chr13_36432255
chr20	21397559	21397559	+	3.008E-21	8.32473E-20	0.222056	hyper	sig	chr20_21397559
chr2	1.13E+08	113291328	+	3.008E-21	8.32495E-20	0.236131	hyper	sig	chr2_113291328
chr10	7412024	7412024	+	3.015E-21	8.34301E-20	0.320793	hyper	sig	chr10_7412024
chr5	45695325	45695325	+	3.017E-21	8.34765E-20	0.278564	hyper	sig	chr5_45695325
chr11	1338986	1338986	+	3.021E-21	8.35944E-20	-0.2122	hypo	sig	chr11_1338986
chr19	31348671	31348671	+	3.022E-21	8.36123E-20	0.216315	hyper	sig	chr19_31348671
chr22	46661492	46661492	+	3.028E-21	8.37816E-20	-0.2254	hypo	sig	chr22_46661492
chr3	23668812	23668812	+	3.032E-21	8.38876E-20	-0.26083	hypo	sig	chr3_23668812
chr4	72031981	72031981	+	3.032E-21	8.38876E-20	0.281226	hyper	sig	chr4_72031981
chr12	1.31E+08	131096070	+	3.034E-21	8.39182E-20	-0.25498	hypo	sig	chr12_131096070
chr17	44988543	44988543	+	3.038E-21	8.40269E-20	0.223341	hyper	sig	chr17_44988543
chr16	86508049	86508049	+	3.044E-21	8.42121E-20	0.250507	hyper	sig	chr16_86508049
chr1	3101213	3101213	+	3.048E-21	8.4297E-20	-0.21975	hypo	sig	chr1_3101213
chr6	1593987	1593987	+	3.049E-21	8.43221E-20	-0.33648	hypo	sig	chr6_1593987
chr10	26215032	26215032	+	3.055E-21	8.45069E-20	0.200002	hyper	sig	chr10_26215032
chr7	5237599	5237599	+	3.063E-21	8.47139E-20	-0.24037	hypo	sig	chr7_5237599
chr5	71719641	71719641	+	3.067E-21	8.48287E-20	0.304478	hyper	sig	chr5_71719641
chr6	16320329	16320329	+	3.071E-21	8.49168E-20	-0.31176	hypo	sig	chr6_16320329
chr1	1.19E+08	118988997	+	3.073E-21	8.49812E-20	0.28053	hyper	sig	chr1_118988997
chr4	1.47E+08	146637085	+	3.076E-21	8.50619E-20	0.281618	hyper	sig	chr4_146637085
chr5	1.46E+08	146379069	+	3.078E-21	8.51047E-20	0.279518	hyper	sig	chr5_146379069
chr3	87089198	87089198	+	3.082E-21	8.52121E-20	0.30552	hyper	sig	chr3_87089198
chr4	1.21E+08	121381113	+	3.082E-21	8.52121E-20	0.281283	hyper	sig	chr4_121381113
chr21	44999283	44999283	+	3.082E-21	8.52134E-20	-0.22293	hypo	sig	chr21_44999283
chr5	88695521	88695521	+	3.083E-21	8.52304E-20	0.261162	hyper	sig	chr5_88695521
chr16	29252044	29252044	+	3.083E-21	8.52401E-20	-0.30633	hypo	sig	chr16_29252044
chr1	1.19E+08	119007880	+	3.088E-21	8.53656E-20	0.214352	hyper	sig	chr1_119007880
chr16	684844	684844	+	3.088E-21	8.53684E-20	-0.25629	hypo	sig	chr16_684844
chr2	29116182	29116182	+	3.088E-21	8.53684E-20	0.294213	hyper	sig	chr2_29116182
chr2	1.76E+08	176083407	+	3.1E-21	8.57099E-20	0.205604	hyper	sig	chr2_176083407
chr1	1.76E+08	175599395	+	3.105E-21	8.58291E-20	0.27609	hyper	sig	chr1_175599395

chr2	23554499	23554499	+	3.112E-21	8.60339E-20	-0.25185	hypo	sig	chr2_23554499
chr8	17413095	17413095	+	3.118E-21	8.6196E-20	0.287157	hyper	sig	chr8_17413095
chr19	52453568	52453568	+	3.121E-21	8.62605E-20	0.228879	hyper	sig	chr19_52453568
chr1	1.22E+08	121518892	+	3.125E-21	8.63651E-20	0.302608	hyper	sig	chr1_121518892
chr17	78138018	78138018	+	3.125E-21	8.63703E-20	-0.23597	hypo	sig	chr17_78138018
chr22	16602733	16602733	+	3.139E-21	8.6746E-20	0.293025	hyper	sig	chr22_16602733
chr6	1.7E+08	170152342	+	3.14E-21	8.67859E-20	-0.20372	hypo	sig	chr6_170152342
chr8	56157089	56157089	+	3.142E-21	8.68174E-20	0.348407	hyper	sig	chr8_56157089
chr11	57390888	57390888	+	3.144E-21	8.68746E-20	-0.24674	hypo	sig	chr11_57390888
chr17	49965387	49965387	+	3.145E-21	8.68917E-20	0.219456	hyper	sig	chr17_49965387
chr4	1.45E+08	144645361	+	3.156E-21	8.7207E-20	0.227734	hyper	sig	chr4_144645361
chr6	96016257	96016257	+	3.162E-21	8.73506E-20	0.305554	hyper	sig	chr6_96016257
chr6	1.69E+08	169221567	+	3.165E-21	8.7441E-20	-0.20772	hypo	sig	chr6_169221567
chr1	2.17E+08	217139718	+	3.168E-21	8.75159E-20	0.295718	hyper	sig	chr1_217139718
chr10	1.33E+08	133229369	+	3.174E-21	8.76876E-20	0.267481	hyper	sig	chr10_133229369
chr10	1.02E+08	102410934	+	3.177E-21	8.77661E-20	0.206709	hyper	sig	chr10_102410934
chr5	10310658	10310658	+	3.177E-21	8.77661E-20	-0.28436	hypo	sig	chr5_10310658
chr6	1E+08	100469040	+	3.183E-21	8.79279E-20	0.235	hyper	sig	chr6_100469040
chr5	1.41E+08	141364722	+	3.185E-21	8.79801E-20	0.30209	hyper	sig	chr5_141364722
chr16	1533898	1533898	+	3.191E-21	8.81434E-20	0.221155	hyper	sig	chr16_1533898
chr4	1.4E+08	140426906	+	3.194E-21	8.82042E-20	0.205908	hyper	sig	chr4_140426906
chr8	1E+08	100106348	+	3.194E-21	8.82042E-20	0.315106	hyper	sig	chr8_100106348
chr19	23075715	23075715	+	3.194E-21	8.8206E-20	0.289894	hyper	sig	chr19_23075715
chr22	19149334	19149334	+	3.196E-21	8.82699E-20	0.212924	hyper	sig	chr22_19149334
chr12	1.14E+08	114404917	+	3.202E-21	8.84229E-20	0.213484	hyper	sig	chr12_114404917
chr7	1.58E+08	158016904	+	3.209E-21	8.86118E-20	-0.22423	hypo	sig	chr7_158016904
chr8	1.43E+08	142567333	+	3.215E-21	8.87724E-20	-0.22377	hypo	sig	chr8_142567333
chr12	4809734	4809734	+	3.217E-21	8.88239E-20	0.20367	hyper	sig	chr12_4809734
chr15	24773069	24773069	+	3.217E-21	8.88349E-20	0.246219	hyper	sig	chr15_24773069
chr4	4858164	4858164	+	3.222E-21	8.89471E-20	0.263701	hyper	sig	chr4_4858164
chr7	73424451	73424451	+	3.228E-21	8.9124E-20	0.242092	hyper	sig	chr7_73424451
chr5	1.16E+08	115961956	+	3.229E-21	8.91399E-20	0.289613	hyper	sig	chr5_115961956
chr16	81785247	81785247	+	3.234E-21	8.92916E-20	-0.2336	hypo	sig	chr16_81785247
chr6	27495435	27495435	+	3.234E-21	8.92916E-20	0.217229	hyper	sig	chr6_27495435
chr6	98825462	98825462	+	3.245E-21	8.95701E-20	0.231999	hyper	sig	chr6_98825462
chr19	12156462	12156462	+	3.251E-21	8.9755E-20	0.300149	hyper	sig	chr19_12156462
chr12	53945194	53945194	+	3.254E-21	8.98157E-20	0.236964	hyper	sig	chr12_53945194
chr17	5097654	5097654	+	3.255E-21	8.98421E-20	0.250621	hyper	sig	chr17_5097654
chr4	13524952	13524952	+	3.26E-21	8.99775E-20	0.221758	hyper	sig	chr4_13524952
chr2	97710125	97710125	+	3.27E-21	9.02407E-20	-0.22767	hypo	sig	chr2_97710125
chr5	10655406	10655406	+	3.27E-21	9.02407E-20	-0.27501	hypo	sig	chr5_10655406
chr14	92324265	92324265	+	3.278E-21	9.04689E-20	0.22172	hyper	sig	chr14_92324265
chr14	56817250	56817250	+	3.28E-21	9.05222E-20	0.253651	hyper	sig	chr14_56817250
chr8	1.4E+08	140238483	+	3.283E-21	9.05852E-20	-0.22225	hypo	sig	chr8_140238483
chr5	1.41E+08	140882068	+	3.285E-21	9.06416E-20	0.229335	hyper	sig	chr5_140882068
chr5	1.41E+08	140882719	+	3.296E-21	9.09493E-20	0.246523	hyper	sig	chr5_140882719
chr11	92225633	92225633	+	3.312E-21	9.13882E-20	0.272916	hyper	sig	chr11_92225633
chr14	56810148	56810148	+	3.317E-21	9.15254E-20	0.339704	hyper	sig	chr14_56810148
chr8	1.45E+08	144699952	+	3.331E-21	9.18802E-20	0.22809	hyper	sig	chr8_144699952
chr4	1.21E+08	121380841	+	3.332E-21	9.1912E-20	0.240586	hyper	sig	chr4_121380841
chr15	60002291	60002291	+	3.335E-21	9.19959E-20	0.210744	hyper	sig	chr15_60002291
chr11	94401526	94401526	+	3.344E-21	9.22331E-20	0.258442	hyper	sig	chr11_94401526
chr1	1210189	1210189	+	3.35E-21	9.23952E-20	-0.23768	hypo	sig	chr1_1210189
chr19	57099420	57099420	+	3.353E-21	9.24829E-20	0.302001	hyper	sig	chr19_57099420
chr12	1795313	1795313	+	3.357E-21	9.25717E-20	-0.25436	hypo	sig	chr12_1795313
chr5	3606439	3606439	+	3.357E-21	9.25722E-20	0.242176	hyper	sig	chr5_3606439

chr8	61287873	61287873	+	3.36E-21	9.26406E-20	0.269631	hyper	sig	chr8_61287873
chr2	1.23E+08	122661207	+	3.368E-21	9.28599E-20	0.294049	hyper	sig	chr2_122661207
chr17	39165237	39165237	+	3.368E-21	9.28734E-20	0.297873	hyper	sig	chr17_39165237
chr16	4369233	4369233	+	3.376E-21	9.30665E-20	-0.21736	hypo	sig	chr16_4369233
chr17	79006907	79006907	+	3.379E-21	9.31418E-20	-0.21596	hypo	sig	chr17_79006907
chr1	2.29E+08	229407305	+	3.388E-21	9.33937E-20	0.248966	hyper	sig	chr1_229407305
chr13	35478580	35478580	+	3.388E-21	9.33954E-20	0.308774	hyper	sig	chr13_35478580
chr13	1.13E+08	113402593	+	3.393E-21	9.35274E-20	-0.23206	hypo	sig	chr13_113402593
chr19	40568041	40568041	+	3.397E-21	9.36165E-20	0.250128	hyper	sig	chr19_40568041
chr7	28409814	28409814	+	3.398E-21	9.36409E-20	0.227105	hyper	sig	chr7_28409814
chr16	62036101	62036101	+	3.405E-21	9.38314E-20	0.216468	hyper	sig	chr16_62036101
chr1	24321835	24321835	+	3.413E-21	9.4046E-20	-0.20743	hypo	sig	chr1_24321835
chr3	1.86E+08	186361516	+	3.414E-21	9.40803E-20	0.247738	hyper	sig	chr3_186361516
chr12	1.31E+08	131347411	+	3.419E-21	9.42011E-20	-0.27934	hypo	sig	chr12_131347411
chr4	1.33E+08	133147388	+	3.424E-21	9.43218E-20	0.282052	hyper	sig	chr4_133147388
chr11	857065	857065	+	3.427E-21	9.44069E-20	-0.23079	hypo	sig	chr11_857065
chr1	1.21E+08	121117250	+	3.436E-21	9.46442E-20	0.347508	hyper	sig	chr1_121117250
chr13	36432101	36432101	+	3.444E-21	9.48807E-20	0.266072	hyper	sig	chr13_36432101
chr19	45804971	45804971	+	3.447E-21	9.4955E-20	-0.27829	hypo	sig	chr19_45804971
chr4	1.82E+08	182142352	+	3.45E-21	9.50357E-20	0.213182	hyper	sig	chr4_182142352
chr4	6369202	6369202	+	3.457E-21	9.52287E-20	-0.22544	hypo	sig	chr4_6369202
chr16	49281381	49281381	+	3.459E-21	9.52728E-20	0.202196	hyper	sig	chr16_49281381
chr12	1.14E+08	114403903	+	3.462E-21	9.53609E-20	0.246896	hyper	sig	chr12_114403903
chr7	1.44E+08	143883024	+	3.463E-21	9.5374E-20	0.33342	hyper	sig	chr7_143883024
chr2	63053303	63053303	+	3.465E-21	9.54152E-20	0.246378	hyper	sig	chr2_63053303
chr11	1.34E+08	134128191	+	3.469E-21	9.55186E-20	-0.33573	hypo	sig	chr11_134128191
chr10	1.33E+08	132817140	+	3.474E-21	9.56726E-20	-0.21754	hypo	sig	chr10_132817140
chr12	48198585	48198585	+	3.476E-21	9.5718E-20	0.229832	hyper	sig	chr12_48198585
chr11	3229467	3229467	+	3.48E-21	9.58231E-20	-0.29477	hypo	sig	chr11_3229467
chr4	1.55E+08	155207766	+	3.481E-21	9.5835E-20	0.284647	hyper	sig	chr4_155207766
chr4	1.82E+08	182142373	+	3.485E-21	9.59526E-20	0.229037	hyper	sig	chr4_182142373
chr3	1.28E+08	128496704	+	3.491E-21	9.61195E-20	0.219642	hyper	sig	chr3_128496704
chr21	37564348	37564348	+	3.491E-21	9.61199E-20	-0.27244	hypo	sig	chr21_37564348
chr4	1.33E+08	133151079	+	3.496E-21	9.62407E-20	0.246428	hyper	sig	chr4_133151079
chr2	1.92E+08	192195600	+	3.5E-21	9.63497E-20	0.242561	hyper	sig	chr2_192195600
chr13	1.1E+08	109781423	+	3.504E-21	9.64506E-20	-0.21449	hypo	sig	chr13_109781423
chr7	32761667	32761667	+	3.505E-21	9.64756E-20	0.214997	hyper	sig	chr7_32761667
chr7	1.25E+08	124764172	+	3.506E-21	9.65125E-20	0.208573	hyper	sig	chr7_124764172
chr7	79454437	79454437	+	3.514E-21	9.67208E-20	0.326322	hyper	sig	chr7_79454437
chr5	73626975	73626975	+	3.52E-21	9.6875E-20	-0.25339	hypo	sig	chr5_73626975
chr22	48550254	48550254	+	3.524E-21	9.69739E-20	-0.20152	hypo	sig	chr22_48550254
chr2	1837343	1837343	+	3.525E-21	9.70106E-20	-0.21719	hypo	sig	chr2_1837343
chr6	27213919	27213919	+	3.531E-21	9.716E-20	0.234251	hyper	sig	chr6_27213919
chr19	19861116	19861116	+	3.531E-21	9.71726E-20	0.205522	hyper	sig	chr19_19861116
chr4	7983540	7983540	+	3.541E-21	9.74249E-20	0.229789	hyper	sig	chr4_7983540
chr10	43131018	43131018	+	3.543E-21	9.74804E-20	-0.20789	hypo	sig	chr10_43131018
chr17	82342750	82342750	+	3.544E-21	9.75228E-20	-0.25962	hypo	sig	chr17_82342750
chr12	1.07E+08	106585534	+	3.551E-21	9.76927E-20	0.302771	hyper	sig	chr12_106585534
chr5	80565480	80565480	+	3.554E-21	9.77781E-20	-0.33929	hypo	sig	chr5_80565480
chr1	2.29E+08	229432589	+	3.571E-21	9.8242E-20	0.310889	hyper	sig	chr1_229432589
chr21	44654699	44654699	+	3.572E-21	9.82746E-20	-0.31278	hypo	sig	chr21_44654699
chr3	13041518	13041518	+	3.575E-21	9.83451E-20	-0.2202	hypo	sig	chr3_13041518
chr15	96782531	96782531	+	3.576E-21	9.83595E-20	-0.24892	hypo	sig	chr15_96782531
chr1	90727125	90727125	+	3.576E-21	9.8369E-20	0.265676	hyper	sig	chr1_90727125
chr5	73381909	73381909	+	3.576E-21	9.83705E-20	0.262914	hyper	sig	chr5_73381909
chr3	1.88E+08	187670309	+	3.613E-21	9.93614E-20	0.210321	hyper	sig	chr3_187670309

chr12	85279449	85279449	+	3.624E-21	9.96582E-20	0.284823	hyper	sig	chr12_85279449
chr3	55483070	55483070	+	3.642E-21	1.00145E-19	0.215965	hyper	sig	chr3_55483070
chr19	53912448	53912448	+	3.646E-21	1.0025E-19	-0.26227	hypo	sig	chr19_53912448
chr19	58581247	58581247	+	3.648E-21	1.00291E-19	0.217778	hyper	sig	chr19_58581247
chr21	45588184	45588184	+	3.66E-21	1.00612E-19	-0.20132	hypo	sig	chr21_45588184
chr5	88678321	88678321	+	3.665E-21	1.0076E-19	0.22165	hyper	sig	chr5_88678321
chr19	18304994	18304994	+	3.667E-21	1.00797E-19	-0.2062	hypo	sig	chr19_18304994
chr8	71556402	71556402	+	3.669E-21	1.00858E-19	0.203661	hyper	sig	chr8_71556402
chr19	19861053	19861053	+	3.672E-21	1.00929E-19	0.215752	hyper	sig	chr19_19861053
chr12	1.32E+08	131710399	+	3.673E-21	1.0096E-19	0.272347	hyper	sig	chr12_131710399
chr3	1.38E+08	137770802	+	3.677E-21	1.0105E-19	0.235812	hyper	sig	chr3_137770802
chr11	32431009	32431009	+	3.677E-21	1.01065E-19	0.213796	hyper	sig	chr11_32431009
chr17	74856375	74856375	+	3.682E-21	1.01198E-19	-0.21708	hypo	sig	chr17_74856375
chr13	28099634	28099634	+	3.684E-21	1.01235E-19	0.296199	hyper	sig	chr13_28099634
chr19	846176	846176	+	3.684E-21	1.0125E-19	-0.20462	hypo	sig	chr19_846176
chr11	45811383	45811383	+	3.686E-21	1.01302E-19	0.254452	hyper	sig	chr11_45811383
chr19	50717267	50717267	+	3.69E-21	1.01393E-19	-0.24444	hypo	sig	chr19_50717267
chr1	75130685	75130685	+	3.697E-21	1.01569E-19	0.268892	hyper	sig	chr1_75130685
chr5	1.75E+08	175443846	+	3.7E-21	1.01672E-19	0.310707	hyper	sig	chr5_175443846
chr4	3444937	3444937	+	3.702E-21	1.01704E-19	-0.26296	hypo	sig	chr4_3444937
chr13	36155129	36155129	+	3.717E-21	1.02101E-19	0.312093	hyper	sig	chr13_36155129
chr3	1.3E+08	130345743	+	3.717E-21	1.02112E-19	0.279373	hyper	sig	chr3_130345743
chr6	28634807	28634807	+	3.72E-21	1.02196E-19	0.215336	hyper	sig	chr6_28634807
chr21	41068734	41068734	+	3.723E-21	1.02249E-19	-0.26291	hypo	sig	chr21_41068734
chr6	77466756	77466756	+	3.723E-21	1.02249E-19	0.271811	hyper	sig	chr6_77466756
chr10	1.3E+08	129965414	+	3.723E-21	1.02264E-19	0.246724	hyper	sig	chr10_129965414
chr3	1.38E+08	137763367	+	3.724E-21	1.0229E-19	0.305312	hyper	sig	chr3_137763367
chr17	82321149	82321149	+	3.73E-21	1.02441E-19	-0.28565	hypo	sig	chr17_82321149
chr6	50850514	50850514	+	3.737E-21	1.02632E-19	0.217565	hyper	sig	chr6_50850514
chr10	1.18E+08	117735073	+	3.743E-21	1.02796E-19	0.229976	hyper	sig	chr10_117735073
chr3	62367777	62367777	+	3.747E-21	1.02904E-19	0.292072	hyper	sig	chr3_62367777
chr11	1449136	1449136	+	3.748E-21	1.02922E-19	-0.26206	hypo	sig	chr11_1449136
chr12	53955444	53955444	+	3.751E-21	1.02983E-19	0.253867	hyper	sig	chr12_53955444
chr16	988229	988229	+	3.759E-21	1.03209E-19	-0.25413	hypo	sig	chr16_988229
chr3	46464884	46464884	+	3.764E-21	1.03334E-19	0.229012	hyper	sig	chr3_46464884
chr20	64043960	64043960	+	3.768E-21	1.03453E-19	-0.26255	hypo	sig	chr20_64043960
chr10	70603460	70603460	+	3.772E-21	1.03553E-19	-0.24194	hypo	sig	chr10_70603460
chr10	99534580	99534580	+	3.777E-21	1.03698E-19	0.208257	hyper	sig	chr10_99534580
chr21	45286859	45286859	+	3.78E-21	1.0377E-19	0.208845	hyper	sig	chr21_45286859
chr3	1.28E+08	128481848	+	3.782E-21	1.03808E-19	0.251272	hyper	sig	chr3_128481848
chr11	1.16E+08	115660310	+	3.785E-21	1.03886E-19	0.234144	hyper	sig	chr11_115660310
chr17	39165289	39165289	+	3.785E-21	1.03886E-19	0.359198	hyper	sig	chr17_39165289
chr4	54231822	54231822	+	3.787E-21	1.03947E-19	0.23207	hyper	sig	chr4_54231822
chr15	24477799	24477799	+	3.798E-21	1.04241E-19	0.226748	hyper	sig	chr15_24477799
chr20	43188371	43188371	+	3.803E-21	1.04361E-19	0.224139	hyper	sig	chr20_43188371
chr4	1.34E+08	134201281	+	3.806E-21	1.04458E-19	0.300891	hyper	sig	chr4_134201281
chr2	44928062	44928062	+	3.816E-21	1.04706E-19	0.216583	hyper	sig	chr2_44928062
chr2	1.39E+08	138897274	+	3.82E-21	1.04809E-19	-0.2303	hypo	sig	chr2_138897274
chr3	6862908	6862908	+	3.825E-21	1.04965E-19	0.365017	hyper	sig	chr3_6862908
chr4	1.9E+08	190017328	+	3.842E-21	1.05408E-19	0.28367	hyper	sig	chr4_190017328
chr6	98825127	98825127	+	3.85E-21	1.05631E-19	0.303265	hyper	sig	chr6_98825127
chr15	25863592	25863592	+	3.857E-21	1.05814E-19	0.22666	hyper	sig	chr15_25863592
chr5	1.73E+08	173233804	+	3.858E-21	1.05845E-19	0.211501	hyper	sig	chr5_173233804
chr12	1.33E+08	132766842	+	3.875E-21	1.06288E-19	-0.23061	hypo	sig	chr12_132766842
chr16	31373533	31373533	+	3.88E-21	1.06422E-19	-0.29139	hypo	sig	chr16_31373533
chr7	24285311	24285311	+	3.885E-21	1.06552E-19	0.275441	hyper	sig	chr7_24285311

chr14	56799157	56799157	+	3.888E-21	1.06623E-19	0.280099	hyper	sig	chr14_56799157
chr13	78607528	78607528	+	3.894E-21	1.06806E-19	0.23916	hyper	sig	chr13_78607528
chr9	1.26E+08	126233470	+	3.899E-21	1.06917E-19	-0.27905	hypo	sig	chr9_126233470
chr3	62377406	62377406	+	3.908E-21	1.07159E-19	0.257857	hyper	sig	chr3_62377406
chr13	36125755	36125755	+	3.912E-21	1.07264E-19	-0.20357	hypo	sig	chr13_36125755
chr9	97852727	97852727	+	3.912E-21	1.07268E-19	0.311801	hyper	sig	chr9_97852727
chr7	1.44E+08	143885443	+	3.912E-21	1.07275E-19	0.296597	hyper	sig	chr7_143885443
chr12	1795418	1795418	+	3.917E-21	1.0741E-19	-0.27631	hypo	sig	chr12_1795418
chr12	2753005	2753005	+	3.924E-21	1.07583E-19	0.207077	hyper	sig	chr12_2753005
chr5	1.41E+08	141350354	+	3.926E-21	1.07628E-19	0.267728	hyper	sig	chr5_141350354
chr1	2.31E+08	231161735	+	3.929E-21	1.07712E-19	0.362568	hyper	sig	chr1_231161735
chr8	22154281	22154281	+	3.932E-21	1.07805E-19	-0.2479	hypo	sig	chr8_22154281
chr4	1.74E+08	173519548	+	3.936E-21	1.07911E-19	0.251564	hyper	sig	chr4_173519548
chr5	1.79E+08	179060146	+	3.939E-21	1.07978E-19	0.260033	hyper	sig	chr5_179060146
chr12	1.14E+08	114447545	+	3.944E-21	1.08096E-19	0.219816	hyper	sig	chr12_114447545
chr10	11165911	11165911	+	3.951E-21	1.0829E-19	0.299267	hyper	sig	chr10_11165911
chr14	23369592	23369592	+	3.952E-21	1.08319E-19	-0.25369	hypo	sig	chr14_23369592
chr12	72273546	72273546	+	3.957E-21	1.0845E-19	0.219262	hyper	sig	chr12_72273546
chr13	30932636	30932636	+	3.957E-21	1.08457E-19	0.200202	hyper	sig	chr13_30932636
chr5	1.78E+08	177604303	+	3.959E-21	1.0849E-19	-0.28876	hypo	sig	chr5_177604303
chr10	1.33E+08	132803691	+	3.96E-21	1.08511E-19	-0.21666	hypo	sig	chr10_132803691
chr15	23686523	23686523	+	3.96E-21	1.08511E-19	0.236679	hyper	sig	chr15_23686523
chr4	1.13E+08	112520739	+	3.975E-21	1.08911E-19	0.283363	hyper	sig	chr4_112520739
chr10	93075495	93075495	+	3.976E-21	1.08947E-19	0.382391	hyper	sig	chr10_93075495
chr17	74257396	74257396	+	3.984E-21	1.09154E-19	-0.29479	hypo	sig	chr17_74257396
chr7	43112422	43112422	+	3.987E-21	1.09237E-19	0.260134	hyper	sig	chr7_43112422
chr17	65553236	65553236	+	3.988E-21	1.09271E-19	-0.23948	hypo	sig	chr17_65553236
chr18	75918335	75918335	+	3.991E-21	1.09337E-19	-0.27994	hypo	sig	chr18_75918335
chr3	1.33E+08	133412660	+	3.992E-21	1.09363E-19	-0.29305	hypo	sig	chr3_133412660
chr8	1.42E+08	142451380	+	4.001E-21	1.0959E-19	0.243772	hyper	sig	chr8_142451380
chr2	41697398	41697398	+	4.005E-21	1.09702E-19	-0.27108	hypo	sig	chr2_41697398
chr19	861825	861825	+	4.037E-21	1.10553E-19	-0.2195	hypo	sig	chr19_861825
chr2	951454	951454	+	4.037E-21	1.10558E-19	0.211346	hyper	sig	chr2_951454
chr12	1.32E+08	132409981	+	4.044E-21	1.10724E-19	-0.20183	hypo	sig	chr12_132409981
chr4	1.75E+08	174829261	+	4.05E-21	1.10889E-19	0.237233	hyper	sig	chr4_174829261
chr10	1.33E+08	132803798	+	4.051E-21	1.10927E-19	-0.27634	hypo	sig	chr10_132803798
chr5	79069854	79069854	+	4.053E-21	1.10963E-19	0.27044	hyper	sig	chr5_79069854
chr19	9498593	9498593	+	4.06E-21	1.11167E-19	0.291975	hyper	sig	chr19_9498593
chr7	119706	119706	+	4.062E-21	1.11212E-19	-0.24179	hypo	sig	chr7_119706
chr3	1.35E+08	134650633	+	4.067E-21	1.11334E-19	0.233693	hyper	sig	chr3_134650633
chr6	32087090	32087090	+	4.073E-21	1.11493E-19	-0.22013	hypo	sig	chr6_32087090
chr12	2231615	2231615	+	4.076E-21	1.11584E-19	-0.31836	hypo	sig	chr12_2231615
chr5	84384197	84384197	+	4.077E-21	1.11604E-19	0.293976	hyper	sig	chr5_84384197
chr16	281321	281321	+	4.078E-21	1.1162E-19	-0.22676	hypo	sig	chr16_281321
chr1	3293897	3293897	+	4.089E-21	1.11911E-19	-0.20944	hypo	sig	chr1_3293897
chr3	1.26E+08	126472338	+	4.089E-21	1.11911E-19	-0.22668	hypo	sig	chr3_126472338
chr13	52849923	52849923	+	4.093E-21	1.12021E-19	0.232969	hyper	sig	chr13_52849923
chr11	269356	269356	+	4.094E-21	1.12034E-19	-0.22489	hypo	sig	chr11_269356
chr6	10416263	10416263	+	4.095E-21	1.12072E-19	0.229997	hyper	sig	chr6_10416263
chr16	86619609	86619609	+	4.099E-21	1.12167E-19	-0.26917	hypo	sig	chr16_86619609
chr16	69742469	69742469	+	4.103E-21	1.12269E-19	-0.23427	hypo	sig	chr16_69742469
chr15	99434740	99434740	+	4.104E-21	1.1231E-19	-0.28889	hypo	sig	chr15_99434740
chr19	37551154	37551154	+	4.105E-21	1.12327E-19	0.255177	hyper	sig	chr19_37551154
chr17	61408544	61408544	+	4.115E-21	1.12596E-19	0.250588	hyper	sig	chr17_61408544
chr2	1.32E+08	131830061	+	4.118E-21	1.12666E-19	0.246165	hyper	sig	chr2_131830061
chr1	3651111	3651111	+	4.118E-21	1.1268E-19	0.226963	hyper	sig	chr1_3651111

chr5	1.41E+08	141395101	+	4.122E-21	1.1277E-19	0.225977	hyper	sig	chr5_141395101
chr11	1.29E+08	128824410	+	4.123E-21	1.12794E-19	0.213575	hyper	sig	chr11_128824410
chr5	73230951	73230951	+	4.123E-21	1.12795E-19	0.263337	hyper	sig	chr5_73230951
chr19	21463881	21463881	+	4.13E-21	1.12979E-19	0.255966	hyper	sig	chr19_21463881
chr2	2.13E+08	212537077	+	4.13E-21	1.12979E-19	0.294681	hyper	sig	chr2_212537077
chr6	1.61E+08	160679403	+	4.132E-21	1.13033E-19	0.336106	hyper	sig	chr6_160679403
chr22	37103819	37103819	+	4.135E-21	1.13087E-19	-0.24096	hypo	sig	chr22_37103819
chr9	1.31E+08	130662861	+	4.14E-21	1.13236E-19	0.233311	hyper	sig	chr9_130662861
chr12	1.13E+08	113479713	+	4.141E-21	1.13257E-19	0.24938	hyper	sig	chr12_113479713
chr17	78901175	78901175	+	4.148E-21	1.1344E-19	-0.26185	hypo	sig	chr17_78901175
chr2	2.32E+08	232387147	+	4.149E-21	1.13455E-19	0.22411	hyper	sig	chr2_232387147
chr5	1866029	1866029	+	4.15E-21	1.13482E-19	-0.26626	hypo	sig	chr5_1866029
chr19	45804877	45804877	+	4.157E-21	1.13672E-19	-0.29012	hypo	sig	chr19_45804877
chr15	25727375	25727375	+	4.163E-21	1.13824E-19	-0.23537	hypo	sig	chr15_25727375
chr3	13568443	13568443	+	4.163E-21	1.13831E-19	-0.24315	hypo	sig	chr3_13568443
chr1	3006005	3006005	+	4.167E-21	1.13941E-19	-0.27903	hypo	sig	chr1_3006005
chr20	21515558	21515558	+	4.183E-21	1.14372E-19	0.264987	hyper	sig	chr20_21515558
chr12	1.1E+08	109961507	+	4.194E-21	1.14663E-19	-0.22005	hypo	sig	chr12_109961507
chr1	2.28E+08	228446562	+	4.196E-21	1.14717E-19	0.295286	hyper	sig	chr1_228446562
chr6	1.69E+08	168999529	+	4.198E-21	1.14766E-19	-0.33494	hypo	sig	chr6_168999529
chr7	50450775	50450775	+	4.199E-21	1.1479E-19	0.243616	hyper	sig	chr7_50450775
chr5	73381503	73381503	+	4.2E-21	1.14811E-19	0.268286	hyper	sig	chr5_73381503
chr5	1.69E+08	169301570	+	4.225E-21	1.1548E-19	0.225261	hyper	sig	chr5_169301570
chr2	2.02E+08	202035606	+	4.23E-21	1.15621E-19	0.278186	hyper	sig	chr2_202035606
chr8	71556371	71556371	+	4.235E-21	1.15719E-19	0.201371	hyper	sig	chr8_71556371
chr8	52939201	52939201	+	4.241E-21	1.15881E-19	0.296958	hyper	sig	chr8_52939201
chr1	2.07E+08	207453041	+	4.243E-21	1.15931E-19	-0.2144	hypo	sig	chr1_207453041
chr9	1.25E+08	124505358	+	4.243E-21	1.15947E-19	0.253962	hyper	sig	chr9_124505358
chr20	9515889	9515889	+	4.25E-21	1.16109E-19	0.244997	hyper	sig	chr20_9515889
chr5	1.7E+08	169637616	+	4.281E-21	1.16954E-19	0.268113	hyper	sig	chr5_169637616
chr4	1.09E+08	109302025	+	4.281E-21	1.1696E-19	0.275903	hyper	sig	chr4_109302025
chr4	1.09E+08	109302703	+	4.292E-21	1.17243E-19	0.243863	hyper	sig	chr4_109302703
chr3	42877189	42877189	+	4.293E-21	1.17267E-19	-0.2456	hypo	sig	chr3_42877189
chr8	1.43E+08	142741168	+	4.301E-21	1.17488E-19	-0.21984	hypo	sig	chr8_142741168
chr7	63790694	63790694	+	4.304E-21	1.17577E-19	0.225977	hyper	sig	chr7_63790694
chr20	21103734	21103734	+	4.305E-21	1.17591E-19	0.310517	hyper	sig	chr20_21103734
chr13	94711982	94711982	+	4.306E-21	1.17614E-19	0.215203	hyper	sig	chr13_94711982
chr10	1.23E+08	123134603	+	4.311E-21	1.17757E-19	0.204342	hyper	sig	chr10_123134603
chr1	1.08E+08	107966004	+	4.334E-21	1.18369E-19	0.235296	hyper	sig	chr1_107966004
chr2	1.19E+08	118856240	+	4.336E-21	1.18417E-19	0.239897	hyper	sig	chr2_118856240
chr5	421519	421519	+	4.34E-21	1.1851E-19	-0.22115	hypo	sig	chr5_421519
chr1	2.07E+08	207495963	+	4.341E-21	1.18535E-19	0.257712	hyper	sig	chr1_207495963
chr4	1.55E+08	155376921	+	4.345E-21	1.18652E-19	0.215401	hyper	sig	chr4_155376921
chr8	79611165	79611165	+	4.359E-21	1.19029E-19	0.214636	hyper	sig	chr8_79611165
chr19	8589596	8589596	+	4.373E-21	1.19383E-19	-0.29391	hypo	sig	chr19_8589596
chr16	19715820	19715820	+	4.373E-21	1.19398E-19	-0.21232	hypo	sig	chr16_19715820
chr2	68655126	68655126	+	4.375E-21	1.19453E-19	-0.2285	hypo	sig	chr2_68655126
chr16	87457991	87457991	+	4.376E-21	1.19465E-19	-0.23942	hypo	sig	chr16_87457991
chr19	17973688	17973688	+	4.377E-21	1.19497E-19	-0.23411	hypo	sig	chr19_17973688
chr5	1.23E+08	123094308	+	4.385E-21	1.19706E-19	0.20719	hyper	sig	chr5_123094308
chr5	1.51E+08	150640806	+	4.39E-21	1.19828E-19	-0.2272	hypo	sig	chr5_150640806
chr4	653064	653064	+	4.392E-21	1.19867E-19	-0.27755	hypo	sig	chr4_653064
chr10	1.33E+08	132784958	+	4.395E-21	1.19945E-19	0.269698	hyper	sig	chr10_132784958
chr1	2.43E+08	242523741	+	4.41E-21	1.20352E-19	0.267049	hyper	sig	chr1_242523741
chr16	88412985	88412985	+	4.414E-21	1.20456E-19	-0.23712	hypo	sig	chr16_88412985
chr20	1001186	1001186	+	4.418E-21	1.20556E-19	-0.20791	hypo	sig	chr20_1001186

chr10	1.33E+08	132701080	+	4.424E-21	1.20703E-19	-0.20138	hypo	sig	chr10_132701080
chr5	3602345	3602345	+	4.425E-21	1.20737E-19	0.244092	hyper	sig	chr5_3602345
chr1	46485697	46485697	+	4.427E-21	1.20785E-19	0.214398	hyper	sig	chr1_46485697
chr5	3286130	3286130	+	4.433E-21	1.20945E-19	-0.20357	hypo	sig	chr5_3286130
chr13	57633488	57633488	+	4.436E-21	1.21019E-19	0.296257	hyper	sig	chr13_57633488
chr3	46580446	46580446	+	4.437E-21	1.21042E-19	-0.26508	hypo	sig	chr3_46580446
chr12	49091335	49091335	+	4.438E-21	1.21077E-19	0.201759	hyper	sig	chr12_49091335
chr8	26010578	26010578	+	4.444E-21	1.21227E-19	0.263777	hyper	sig	chr8_26010578
chr15	22714494	22714494	+	4.445E-21	1.21249E-19	0.204121	hyper	sig	chr15_22714494
chr16	90000374	90000374	+	4.45E-21	1.21377E-19	-0.24555	hypo	sig	chr16_90000374
chr2	85584328	85584328	+	4.454E-21	1.21481E-19	0.247683	hyper	sig	chr2_85584328
chr13	21668845	21668845	+	4.462E-21	1.21696E-19	0.278617	hyper	sig	chr13_21668845
chr12	24903298	24903298	+	4.464E-21	1.21739E-19	0.283424	hyper	sig	chr12_24903298
chr19	53132780	53132780	+	4.467E-21	1.21828E-19	0.219455	hyper	sig	chr19_53132780
chr19	58440764	58440764	+	4.469E-21	1.21892E-19	0.253052	hyper	sig	chr19_58440764
chr16	54288433	54288433	+	4.478E-21	1.22123E-19	0.301117	hyper	sig	chr16_54288433
chr5	1446073	1446073	+	4.488E-21	1.22395E-19	0.26664	hyper	sig	chr5_1446073
chr14	1.01E+08	100725810	+	4.498E-21	1.22665E-19	-0.24155	hypo	sig	chr14_100725810
chr13	1.13E+08	113402514	+	4.5E-21	1.22702E-19	-0.21453	hypo	sig	chr13_113402514
chr10	23174474	23174474	+	4.502E-21	1.22762E-19	0.283712	hyper	sig	chr10_23174474
chr8	1.42E+08	142464464	+	4.513E-21	1.23058E-19	0.23315	hyper	sig	chr8_142464464
chr6	1.37E+08	137496154	+	4.516E-21	1.23125E-19	0.243704	hyper	sig	chr6_137496154
chr1	1.48E+08	148246597	+	4.527E-21	1.23438E-19	0.292136	hyper	sig	chr1_148246597
chr16	85947803	85947803	+	4.528E-21	1.23452E-19	-0.29323	hypo	sig	chr16_85947803
chr10	14602085	14602085	+	4.535E-21	1.23637E-19	-0.26968	hypo	sig	chr10_14602085
chr18	21243337	21243337	+	4.54E-21	1.23753E-19	0.223996	hyper	sig	chr18_21243337
chr16	86733722	86733722	+	4.543E-21	1.23852E-19	-0.24874	hypo	sig	chr16_86733722
chr1	1.57E+08	156646965	+	4.545E-21	1.23901E-19	0.306202	hyper	sig	chr1_156646965
chr19	49133114	49133114	+	4.546E-21	1.23927E-19	0.354667	hyper	sig	chr19_49133114
chr1	52843265	52843265	+	4.549E-21	1.23981E-19	0.28423	hyper	sig	chr1_52843265
chr5	88695380	88695380	+	4.554E-21	1.24116E-19	0.25144	hyper	sig	chr5_88695380
chr3	63278152	63278152	+	4.562E-21	1.24329E-19	0.251963	hyper	sig	chr3_63278152
chr19	52336437	52336437	+	4.564E-21	1.24371E-19	0.241331	hyper	sig	chr19_52336437
chr22	48487810	48487810	+	4.564E-21	1.24371E-19	-0.31256	hypo	sig	chr22_48487810
chr10	15719551	15719551	+	4.565E-21	1.24388E-19	0.262277	hyper	sig	chr10_15719551
chr2	1.76E+08	176083193	+	4.567E-21	1.24452E-19	0.240497	hyper	sig	chr2_176083193
chr7	1.55E+08	155400603	+	4.579E-21	1.24761E-19	-0.2554	hypo	sig	chr7_155400603
chr13	1.08E+08	107868630	+	4.582E-21	1.24852E-19	0.287205	hyper	sig	chr13_107868630
chr9	1.36E+08	135778910	+	4.583E-21	1.24868E-19	-0.24561	hypo	sig	chr9_135778910
chr8	52939727	52939727	+	4.585E-21	1.24911E-19	0.329832	hyper	sig	chr8_52939727
chr11	504873	504873	+	4.588E-21	1.24998E-19	0.21262	hyper	sig	chr11_504873
chr19	52336418	52336418	+	4.595E-21	1.2519E-19	0.266869	hyper	sig	chr19_52336418
chr14	95877833	95877833	+	4.596E-21	1.25204E-19	-0.2313	hypo	sig	chr14_95877833
chr18	79644875	79644875	+	4.597E-21	1.25234E-19	-0.27357	hypo	sig	chr18_79644875
chr1	1.77E+08	177029665	+	4.607E-21	1.25499E-19	-0.24978	hypo	sig	chr1_177029665
chr10	13890894	13890894	+	4.609E-21	1.25546E-19	0.247149	hyper	sig	chr10_13890894
chr19	50548683	50548683	+	4.611E-21	1.25592E-19	-0.31928	hypo	sig	chr19_50548683
chr7	6842506	6842506	+	4.612E-21	1.25632E-19	-0.23919	hypo	sig	chr7_6842506
chr5	1.34E+08	134114035	+	4.617E-21	1.25743E-19	0.227147	hyper	sig	chr5_134114035
chr11	3218723	3218723	+	4.625E-21	1.25968E-19	-0.21988	hypo	sig	chr11_3218723
chr13	36431948	36431948	+	4.633E-21	1.26159E-19	0.338443	hyper	sig	chr13_36431948
chr11	2328613	2328613	+	4.636E-21	1.26244E-19	-0.3108	hypo	sig	chr11_2328613
chr19	3603455	3603455	+	4.645E-21	1.26469E-19	-0.23187	hypo	sig	chr19_3603455
chr8	96157796	96157796	+	4.652E-21	1.26659E-19	0.232199	hyper	sig	chr8_96157796
chr1	1.47E+08	147080860	+	4.655E-21	1.26745E-19	0.222563	hyper	sig	chr1_147080860
chr1	1.19E+08	118979565	+	4.656E-21	1.26771E-19	0.259099	hyper	sig	chr1_118979565

chr16	89292595	89292595	+	4.658E-21	1.26803E-19	-0.21666	hypo	sig	chr16_89292595
chr12	1.04E+08	104303713	+	4.662E-21	1.26919E-19	0.200221	hyper	sig	chr12_104303713
chr2	493514	493514	+	4.668E-21	1.2709E-19	-0.23705	hypo	sig	chr2_493514
chr18	10589065	10589065	+	4.671E-21	1.2716E-19	-0.2166	hypo	sig	chr18_10589065
chr18	47260535	47260535	+	4.682E-21	1.27449E-19	0.21044	hyper	sig	chr18_47260535
chr22	48503499	48503499	+	4.683E-21	1.2748E-19	-0.22433	hypo	sig	chr22_48503499
chr19	58118608	58118608	+	4.685E-21	1.27515E-19	0.241334	hyper	sig	chr19_58118608
chr1	1.44E+08	143661203	+	4.692E-21	1.27701E-19	0.214583	hyper	sig	chr1_143661203
chr8	84183821	84183821	+	4.694E-21	1.27753E-19	0.266257	hyper	sig	chr8_84183821
chr19	18931911	18931911	+	4.698E-21	1.27874E-19	-0.28403	hypo	sig	chr19_18931911
chr15	59995063	59995063	+	4.725E-21	1.28581E-19	0.225615	hyper	sig	chr15_59995063
chr17	1723183	1723183	+	4.727E-21	1.28645E-19	-0.22125	hypo	sig	chr17_1723183
chr7	96993290	96993290	+	4.73E-21	1.28714E-19	0.230277	hyper	sig	chr7_96993290
chr14	41607540	41607540	+	4.735E-21	1.28832E-19	0.202081	hyper	sig	chr14_41607540
chr15	88258234	88258234	+	4.735E-21	1.28844E-19	0.269806	hyper	sig	chr15_88258234
chr4	305205	305205	+	4.737E-21	1.28876E-19	0.246543	hyper	sig	chr4_305205
chr15	93434615	93434615	+	4.741E-21	1.28978E-19	-0.34239	hypo	sig	chr15_93434615
chr16	179501	179501	+	4.744E-21	1.29073E-19	-0.21479	hypo	sig	chr16_179501
chr19	22286449	22286449	+	4.748E-21	1.29176E-19	0.25782	hyper	sig	chr19_22286449
chr10	1.3E+08	130441185	+	4.749E-21	1.29206E-19	-0.29924	hypo	sig	chr10_130441185
chr7	54545016	54545016	+	4.762E-21	1.29545E-19	0.281486	hyper	sig	chr7_54545016
chr13	26759797	26759797	+	4.767E-21	1.29677E-19	0.280331	hyper	sig	chr13_26759797
chr16	1146700	1146700	+	4.77E-21	1.29741E-19	-0.20251	hypo	sig	chr16_1146700
chr6	391379	391379	+	4.774E-21	1.29861E-19	0.210227	hyper	sig	chr6_391379
chr4	72032036	72032036	+	4.786E-21	1.30162E-19	0.273888	hyper	sig	chr4_72032036
chr7	55213104	55213104	+	4.786E-21	1.30172E-19	-0.24861	hypo	sig	chr7_55213104
chr2	1.19E+08	118849521	+	4.792E-21	1.30301E-19	0.217773	hyper	sig	chr2_118849521
chr3	1.97E+08	196660678	+	4.795E-21	1.30382E-19	-0.28105	hypo	sig	chr3_196660678
chr3	1.33E+08	133378940	+	4.797E-21	1.30451E-19	-0.2046	hypo	sig	chr3_133378940
chr8	68331346	68331346	+	4.798E-21	1.30453E-19	0.307497	hyper	sig	chr8_68331346
chr4	54104008	54104008	+	4.799E-21	1.30482E-19	0.207609	hyper	sig	chr4_54104008
chr11	737965	737965	+	4.81E-21	1.30771E-19	-0.29044	hypo	sig	chr11_737965
chr3	13073883	13073883	+	4.811E-21	1.30808E-19	0.207765	hyper	sig	chr3_13073883
chr1	54951082	54951082	+	4.826E-21	1.31181E-19	-0.29781	hypo	sig	chr1_54951082
chr2	1.05E+08	104844310	+	4.836E-21	1.31444E-19	0.267131	hyper	sig	chr2_104844310
chr4	55125776	55125776	+	4.842E-21	1.31622E-19	0.314509	hyper	sig	chr4_55125776
chr3	62379346	62379346	+	4.844E-21	1.31656E-19	0.234704	hyper	sig	chr3_62379346
chr13	1.11E+08	110506448	+	4.855E-21	1.31974E-19	-0.24399	hypo	sig	chr13_110506448
chr2	88017779	88017779	+	4.863E-21	1.32173E-19	-0.28788	hypo	sig	chr2_88017779
chr6	1.59E+08	159168932	+	4.868E-21	1.32299E-19	0.225346	hyper	sig	chr6_159168932
chr18	909065	909065	+	4.875E-21	1.32476E-19	0.253883	hyper	sig	chr18_909065
chr11	57647176	57647176	+	4.876E-21	1.32515E-19	0.224491	hyper	sig	chr11_57647176
chr5	88892887	88892887	+	4.882E-21	1.32676E-19	-0.2592	hypo	sig	chr5_88892887
chr11	44316034	44316034	+	4.883E-21	1.32698E-19	0.233606	hyper	sig	chr11_44316034
chr1	2459789	2459789	+	4.885E-21	1.32725E-19	-0.20725	hypo	sig	chr1_2459789
chr15	26866382	26866382	+	4.886E-21	1.32759E-19	0.216428	hyper	sig	chr15_26866382
chr12	1.31E+08	130704905	+	4.903E-21	1.33211E-19	-0.22237	hypo	sig	chr12_130704905
chr19	58350697	58350697	+	4.903E-21	1.33211E-19	0.234667	hyper	sig	chr19_58350697
chr5	79069841	79069841	+	4.903E-21	1.33211E-19	0.279597	hyper	sig	chr5_79069841
chr19	15010715	15010715	+	4.908E-21	1.3333E-19	0.253984	hyper	sig	chr19_15010715
chr8	42499344	42499344	+	4.92E-21	1.33651E-19	0.239893	hyper	sig	chr8_42499344
chr6	71588775	71588775	+	4.921E-21	1.33691E-19	0.259845	hyper	sig	chr6_71588775
chr5	1.41E+08	141423194	+	4.925E-21	1.33775E-19	0.219071	hyper	sig	chr5_141423194
chr12	1.03E+08	102824803	+	4.929E-21	1.33881E-19	0.265702	hyper	sig	chr12_102824803
chr4	6664009	6664009	+	4.932E-21	1.33953E-19	0.327246	hyper	sig	chr4_6664009
chr1	90724479	90724479	+	4.944E-21	1.34267E-19	0.252563	hyper	sig	chr1_90724479

chr12	1.13E+08	113479928	+	4.944E-21	1.34267E-19	0.259887	hyper	sig	chr12_113479928
chr7	2508711	2508711	+	4.958E-21	1.34645E-19	-0.21346	hypo	sig	chr7_2508711
chr6	41560793	41560793	+	4.959E-21	1.34672E-19	0.234497	hyper	sig	chr6_41560793
chr13	1.07E+08	106530747	+	4.975E-21	1.3509E-19	-0.29354	hypo	sig	chr13_106530747
chr17	44558443	44558443	+	4.979E-21	1.35191E-19	0.247713	hyper	sig	chr17_44558443
chr16	1146717	1146717	+	5.004E-21	1.35864E-19	-0.25048	hypo	sig	chr16_1146717
chr3	1.26E+08	126056636	+	5.008E-21	1.3598E-19	-0.23492	hypo	sig	chr3_126056636
chr6	1.7E+08	169638618	+	5.01E-21	1.36031E-19	-0.23076	hypo	sig	chr6_169638618
chr15	67826946	67826946	+	5.012E-21	1.36063E-19	0.314251	hyper	sig	chr15_67826946
chr18	905100	905100	+	5.016E-21	1.36185E-19	0.304813	hyper	sig	chr18_905100
chr1	1.53E+08	152775156	+	5.027E-21	1.36466E-19	-0.2961	hypo	sig	chr1_152775156
chr3	46464896	46464896	+	5.028E-21	1.36476E-19	0.233746	hyper	sig	chr3_46464896
chr4	52076960	52076960	+	5.038E-21	1.36758E-19	0.230277	hyper	sig	chr4_52076960
chr2	1.76E+08	176083113	+	5.047E-21	1.36986E-19	0.288784	hyper	sig	chr2_176083113
chr21	26845357	26845357	+	5.052E-21	1.37104E-19	0.230406	hyper	sig	chr21_26845357
chr4	41744948	41744948	+	5.075E-21	1.37723E-19	0.269826	hyper	sig	chr4_41744948
chr8	85438231	85438231	+	5.085E-21	1.37999E-19	0.264278	hyper	sig	chr8_85438231
chr12	1.14E+08	114447481	+	5.09E-21	1.38122E-19	0.207252	hyper	sig	chr12_114447481
chr11	40293872	40293872	+	5.095E-21	1.38254E-19	0.220332	hyper	sig	chr11_40293872
chr11	30016280	30016280	+	5.099E-21	1.38342E-19	0.307523	hyper	sig	chr11_30016280
chr12	48198831	48198831	+	5.111E-21	1.38651E-19	0.235207	hyper	sig	chr12_48198831
chr2	73291567	73291567	+	5.114E-21	1.3873E-19	0.226336	hyper	sig	chr2_73291567
chr5	1.7E+08	170104625	+	5.115E-21	1.38761E-19	-0.29764	hypo	sig	chr5_170104625
chr7	1.46E+08	146115750	+	5.124E-21	1.38985E-19	0.336583	hyper	sig	chr7_146115750
chr3	1.47E+08	147394296	+	5.124E-21	1.3899E-19	0.272887	hyper	sig	chr3_147394296
chr20	62711926	62711926	+	5.125E-21	1.39015E-19	-0.25331	hypo	sig	chr20_62711926
chr1	3437963	3437963	+	5.138E-21	1.39367E-19	-0.26796	hypo	sig	chr1_3437963
chr12	63151101	63151101	+	5.141E-21	1.39439E-19	0.225803	hyper	sig	chr12_63151101
chr13	1.12E+08	112053553	+	5.162E-21	1.40004E-19	0.260307	hyper	sig	chr13_112053553
chr3	12815118	12815118	+	5.183E-21	1.40561E-19	-0.21094	hypo	sig	chr3_12815118
chr8	1.22E+08	121639130	+	5.185E-21	1.40617E-19	0.262714	hyper	sig	chr8_121639130
chr7	1E+08	100177909	+	5.188E-21	1.40674E-19	0.232939	hyper	sig	chr7_100177909
chr10	93065906	93065906	+	5.189E-21	1.40717E-19	0.212281	hyper	sig	chr10_93065906
chr19	11549492	11549492	+	5.199E-21	1.40979E-19	-0.22414	hypo	sig	chr19_11549492
chr7	37448699	37448699	+	5.218E-21	1.4148E-19	0.229785	hyper	sig	chr7_37448699
chr8	61287881	61287881	+	5.219E-21	1.41515E-19	0.267913	hyper	sig	chr8_61287881
chr15	96366606	96366606	+	5.22E-21	1.41518E-19	0.212583	hyper	sig	chr15_96366606
chr9	971533	971533	+	5.228E-21	1.41739E-19	0.2845	hyper	sig	chr9_971533
chr6	1.33E+08	133240492	+	5.231E-21	1.41811E-19	0.258044	hyper	sig	chr6_133240492
chr22	50282123	50282123	+	5.254E-21	1.42426E-19	-0.22445	hypo	sig	chr22_50282123
chr10	1.17E+08	117197487	+	5.256E-21	1.42474E-19	-0.25741	hypo	sig	chr10_117197487
chr8	11697933	11697933	+	5.263E-21	1.4267E-19	0.206551	hyper	sig	chr8_11697933
chr10	23191779	23191779	+	5.285E-21	1.43241E-19	0.206916	hyper	sig	chr10_23191779
chr8	1.31E+08	131042489	+	5.291E-21	1.43381E-19	0.28728	hyper	sig	chr8_131042489
chr11	1217187	1217187	+	5.293E-21	1.43437E-19	-0.20275	hypo	sig	chr11_1217187
chr14	1.01E+08	101040103	+	5.298E-21	1.43566E-19	-0.24516	hypo	sig	chr14_101040103
chr18	33441048	33441048	+	5.321E-21	1.44184E-19	0.276005	hyper	sig	chr18_33441048
chr17	79862055	79862055	+	5.327E-21	1.44355E-19	-0.25469	hypo	sig	chr17_79862055
chr20	21702810	21702810	+	5.33E-21	1.44425E-19	0.28439	hyper	sig	chr20_21702810
chr9	1.24E+08	124477004	+	5.333E-21	1.44497E-19	-0.36983	hypo	sig	chr9_124477004
chr21	44706242	44706242	+	5.337E-21	1.44594E-19	0.271588	hyper	sig	chr21_44706242
chr15	24773286	24773286	+	5.339E-21	1.44655E-19	0.280122	hyper	sig	chr15_24773286
chr1	2.29E+08	229432655	+	5.341E-21	1.44689E-19	0.269984	hyper	sig	chr1_229432655
chr19	41090145	41090145	+	5.345E-21	1.44797E-19	0.22648	hyper	sig	chr19_41090145
chr19	36245698	36245698	+	5.347E-21	1.44859E-19	0.207769	hyper	sig	chr19_36245698
chr7	71132472	71132472	+	5.348E-21	1.44878E-19	0.304486	hyper	sig	chr7_71132472

chr1	1.44E+08	143661223	+	5.366E-21	1.45343E-19	0.208826	hyper	sig	chr1_143661223
chr3	1.38E+08	137770814	+	5.371E-21	1.45477E-19	0.223214	hyper	sig	chr3_137770814
chr3	1.07E+08	107429518	+	5.383E-21	1.4577E-19	0.216587	hyper	sig	chr3_107429518
chr12	84913359	84913359	+	5.389E-21	1.45946E-19	0.235385	hyper	sig	chr12_84913359
chr7	1.02E+08	102119337	+	5.398E-21	1.46167E-19	-0.2834	hypo	sig	chr7_102119337
chr1	2426197	2426197	+	5.407E-21	1.46405E-19	-0.25207	hypo	sig	chr1_2426197
chr17	8399187	8399187	+	5.411E-21	1.46524E-19	-0.21449	hypo	sig	chr17_8399187
chr1	1.19E+08	119008297	+	5.419E-21	1.46727E-19	0.276295	hyper	sig	chr1_119008297
chr14	76373501	76373501	+	5.422E-21	1.46789E-19	-0.26511	hypo	sig	chr14_76373501
chr15	39796865	39796865	+	5.422E-21	1.46804E-19	-0.37385	hypo	sig	chr15_39796865
chr11	1.23E+08	122978264	+	5.423E-21	1.46815E-19	0.289002	hyper	sig	chr11_122978264
chr5	73382290	73382290	+	5.43E-21	1.46998E-19	0.29884	hyper	sig	chr5_73382290
chr7	1244373	1244373	+	5.444E-21	1.47386E-19	0.240757	hyper	sig	chr7_1244373
chr20	24469713	24469713	+	5.452E-21	1.47598E-19	0.204076	hyper	sig	chr20_24469713
chr5	1.29E+08	128537859	+	5.459E-21	1.47783E-19	0.201989	hyper	sig	chr5_128537859
chr9	1.32E+08	132482489	+	5.461E-21	1.47829E-19	-0.38451	hypo	sig	chr9_132482489
chr5	77973118	77973118	+	5.465E-21	1.47933E-19	0.280026	hyper	sig	chr5_77973118
chr6	32080902	32080902	+	5.471E-21	1.48074E-19	-0.25637	hypo	sig	chr6_32080902
chr2	1.24E+08	124024604	+	5.487E-21	1.48519E-19	0.256902	hyper	sig	chr2_124024604
chr3	1.25E+08	125141881	+	5.49E-21	1.48572E-19	0.337451	hyper	sig	chr3_125141881
chr9	34809656	34809656	+	5.504E-21	1.48961E-19	0.241313	hyper	sig	chr9_34809656
chr1	16872418	16872418	+	5.506E-21	1.49E-19	0.21175	hyper	sig	chr1_16872418
chr8	49909718	49909718	+	5.52E-21	1.49375E-19	0.240302	hyper	sig	chr8_49909718
chr2	10042872	10042872	+	5.53E-21	1.49632E-19	0.245912	hyper	sig	chr2_10042872
chr7	1.54E+08	154053343	+	5.531E-21	1.49675E-19	0.244858	hyper	sig	chr7_154053343
chr6	50836436	50836436	+	5.539E-21	1.49855E-19	0.233078	hyper	sig	chr6_50836436
chr6	1.5E+08	150037737	+	5.538E-21	1.49855E-19	0.20404	hyper	sig	chr6_150037737
chr19	11454717	11454717	+	5.539E-21	1.49861E-19	-0.21679	hypo	sig	chr19_11454717
chr16	56190751	56190751	+	5.539E-21	1.49863E-19	0.236842	hyper	sig	chr16_56190751
chr5	1.41E+08	141235895	+	5.565E-21	1.50539E-19	0.218835	hyper	sig	chr5_141235895
chr2	2.38E+08	238231811	+	5.578E-21	1.50892E-19	0.226932	hyper	sig	chr2_238231811
chr6	32053499	32053499	+	5.582E-21	1.50971E-19	-0.26313	hypo	sig	chr6_32053499
chr10	22253530	22253530	+	5.592E-21	1.5125E-19	0.245967	hyper	sig	chr10_22253530
chr4	3835467	3835467	+	5.603E-21	1.51524E-19	-0.25661	hypo	sig	chr4_3835467
chr6	96016259	96016259	+	5.603E-21	1.51524E-19	0.307448	hyper	sig	chr6_96016259
chr10	49679607	49679607	+	5.607E-21	1.51624E-19	0.259853	hyper	sig	chr10_49679607
chr5	1.41E+08	140875769	+	5.608E-21	1.51651E-19	0.263965	hyper	sig	chr5_140875769
chr11	1339040	1339040	+	5.61E-21	1.5168E-19	-0.21635	hypo	sig	chr11_1339040
chr8	11783451	11783451	+	5.614E-21	1.51792E-19	-0.24111	hypo	sig	chr8_11783451
chr1	1.8E+08	179586904	+	5.622E-21	1.51989E-19	-0.26039	hypo	sig	chr1_179586904
chr5	1.41E+08	141403671	+	5.628E-21	1.52144E-19	0.215478	hyper	sig	chr5_141403671
chr8	1.16E+08	115667496	+	5.65E-21	1.52754E-19	0.242353	hyper	sig	chr8_115667496
chr4	1.09E+08	109302040	+	5.664E-21	1.53101E-19	0.274871	hyper	sig	chr4_109302040
chr10	1.01E+08	101139553	+	5.674E-21	1.53371E-19	0.209952	hyper	sig	chr10_101139553
chr17	76944249	76944249	+	5.675E-21	1.53385E-19	-0.24456	hypo	sig	chr17_76944249
chr19	56478477	56478477	+	5.684E-21	1.53636E-19	0.289826	hyper	sig	chr19_56478477
chr1	18820489	18820489	+	5.688E-21	1.53716E-19	-0.27305	hypo	sig	chr1_18820489
chr5	1.59E+08	159100974	+	5.694E-21	1.53891E-19	0.223073	hyper	sig	chr5_159100974
chr10	11165917	11165917	+	5.709E-21	1.54274E-19	0.285532	hyper	sig	chr10_11165917
chr2	2.42E+08	241843372	+	5.71E-21	1.54308E-19	-0.26787	hypo	sig	chr2_241843372
chr1	1.19E+08	119000751	+	5.717E-21	1.54486E-19	0.244423	hyper	sig	chr1_119000751
chr7	2509205	2509205	+	5.718E-21	1.545E-19	-0.20795	hypo	sig	chr7_2509205
chr2	1.28E+08	128319696	+	5.72E-21	1.54557E-19	-0.25458	hypo	sig	chr2_128319696
chr1	63319214	63319214	+	5.747E-21	1.55275E-19	0.311723	hyper	sig	chr1_63319214
chr20	46058443	46058443	+	5.752E-21	1.55397E-19	0.223887	hyper	sig	chr20_46058443
chr7	4135704	4135704	+	5.752E-21	1.55403E-19	-0.21984	hypo	sig	chr7_4135704

chr16	86497209	86497209	+	5.757E-21	1.55519E-19	0.238449	hyper	sig	chr16_86497209
chr19	33623239	33623239	+	5.768E-21	1.55834E-19	0.221048	hyper	sig	chr19_33623239
chr2	80302478	80302478	+	5.779E-21	1.56108E-19	0.283835	hyper	sig	chr2_80302478
chr1	1.58E+08	158180184	+	5.78E-21	1.56135E-19	-0.30636	hypo	sig	chr1_158180184
chr11	2732596	2732596	+	5.781E-21	1.56141E-19	-0.20506	hypo	sig	chr11_2732596
chr22	46077201	46077201	+	5.796E-21	1.56551E-19	-0.24962	hypo	sig	chr22_46077201
chr5	1.41E+08	141374191	+	5.804E-21	1.56755E-19	0.252246	hyper	sig	chr5_141374191
chr19	34908349	34908349	+	5.805E-21	1.56772E-19	-0.27461	hypo	sig	chr19_34908349
chr6	37616540	37616540	+	5.806E-21	1.56802E-19	-0.29463	hypo	sig	chr6_37616540
chr15	74956178	74956178	+	5.809E-21	1.5686E-19	-0.27555	hypo	sig	chr15_74956178
chr1	1.19E+08	118993674	+	5.816E-21	1.57056E-19	0.226872	hyper	sig	chr1_118993674
chr1	1.01E+08	101237096	+	5.821E-21	1.57182E-19	0.21441	hyper	sig	chr1_101237096
chr7	2607148	2607148	+	5.843E-21	1.57761E-19	-0.24934	hypo	sig	chr7_2607148
chr13	52849780	52849780	+	5.846E-21	1.5782E-19	0.288051	hyper	sig	chr13_52849780
chr13	51235725	51235725	+	5.849E-21	1.57914E-19	-0.2287	hypo	sig	chr13_51235725
chr7	5287611	5287611	+	5.854E-21	1.58046E-19	-0.25647	hypo	sig	chr7_5287611
chr6	1.67E+08	167157735	+	5.855E-21	1.58059E-19	-0.20418	hypo	sig	chr6_167157735
chr5	79069864	79069864	+	5.863E-21	1.58257E-19	0.260326	hyper	sig	chr5_79069864
chr16	561346	561346	+	5.868E-21	1.58394E-19	-0.22239	hypo	sig	chr16_561346
chr5	1.41E+08	141355180	+	5.87E-21	1.58451E-19	0.200095	hyper	sig	chr5_141355180
chr12	54047608	54047608	+	5.882E-21	1.58764E-19	0.332102	hyper	sig	chr12_54047608
chr22	37024283	37024283	+	5.884E-21	1.58802E-19	-0.27264	hypo	sig	chr22_37024283
chr14	1.06E+08	105769882	+	5.885E-21	1.5883E-19	-0.26262	hypo	sig	chr14_105769882
chr14	36584452	36584452	+	5.888E-21	1.5891E-19	0.240865	hyper	sig	chr14_36584452
chr22	37104654	37104654	+	5.904E-21	1.59321E-19	-0.3088	hypo	sig	chr22_37104654
chr7	30728730	30728730	+	5.908E-21	1.59434E-19	-0.27702	hypo	sig	chr7_30728730
chr10	8036180	8036180	+	5.918E-21	1.5967E-19	0.233599	hyper	sig	chr10_8036180
chr2	70141616	70141616	+	5.924E-21	1.59842E-19	-0.30218	hypo	sig	chr2_70141616
chr2	95025268	95025268	+	5.927E-21	1.59926E-19	0.293968	hyper	sig	chr2_95025268
chr1	2.29E+08	229432619	+	5.957E-21	1.60699E-19	0.296009	hyper	sig	chr1_229432619
chr7	1.44E+08	143885516	+	5.964E-21	1.60884E-19	0.29796	hyper	sig	chr7_143885516
chr10	91633523	91633523	+	5.969E-21	1.61035E-19	0.219762	hyper	sig	chr10_91633523
chr5	16180265	16180265	+	5.973E-21	1.61136E-19	0.253537	hyper	sig	chr5_16180265
chr3	13282207	13282207	+	5.976E-21	1.61213E-19	0.336936	hyper	sig	chr3_13282207
chr1	9714684	9714684	+	5.992E-21	1.61629E-19	-0.23158	hypo	sig	chr1_9714684
chr1	3290786	3290786	+	6.011E-21	1.62137E-19	-0.21292	hypo	sig	chr1_3290786
chr22	37103544	37103544	+	6.012E-21	1.62151E-19	-0.25502	hypo	sig	chr22_37103544
chr6	6004700	6004700	+	6.018E-21	1.6232E-19	0.208571	hyper	sig	chr6_6004700
chr5	45695100	45695100	+	6.021E-21	1.62385E-19	0.280681	hyper	sig	chr5_45695100
chr12	1.1E+08	109606775	+	6.023E-21	1.62432E-19	-0.26026	hypo	sig	chr12_109606775
chr16	89247975	89247975	+	6.033E-21	1.62697E-19	0.305089	hyper	sig	chr16_89247975
chr10	1.33E+08	132866231	+	6.036E-21	1.62766E-19	-0.24798	hypo	sig	chr10_132866231
chr17	80178687	80178687	+	6.036E-21	1.62778E-19	-0.24179	hypo	sig	chr17_80178687
chr12	53966609	53966609	+	6.04E-21	1.62862E-19	0.277113	hyper	sig	chr12_53966609
chr5	41509829	41509829	+	6.042E-21	1.62911E-19	0.228682	hyper	sig	chr5_41509829
chr17	78461558	78461558	+	6.062E-21	1.63444E-19	-0.24122	hypo	sig	chr17_78461558
chr1	47433581	47433581	+	6.063E-21	1.63472E-19	0.346353	hyper	sig	chr1_47433581
chr18	69402761	69402761	+	6.064E-21	1.63494E-19	0.247339	hyper	sig	chr18_69402761
chr17	74917871	74917871	+	6.065E-21	1.63506E-19	-0.23165	hypo	sig	chr17_74917871
chr10	7412083	7412083	+	6.072E-21	1.63677E-19	0.283235	hyper	sig	chr10_7412083
chr11	1.23E+08	122980411	+	6.118E-21	1.64918E-19	0.210397	hyper	sig	chr11_122980411
chr3	1.88E+08	187669946	+	6.127E-21	1.65156E-19	0.250534	hyper	sig	chr3_187669946
chr1	3267870	3267870	+	6.13E-21	1.65226E-19	-0.22509	hypo	sig	chr1_3267870
chr14	60507319	60507319	+	6.136E-21	1.65378E-19	0.331844	hyper	sig	chr14_60507319
chr10	1.3E+08	129965412	+	6.141E-21	1.65511E-19	0.254256	hyper	sig	chr10_129965412
chr6	11179844	11179844	+	6.144E-21	1.6558E-19	-0.2773	hypo	sig	chr6_11179844

chr19	57099331	57099331	+	6.157E-21	1.65922E-19	0.252027	hyper	sig	chr19_57099331
chr5	1.33E+08	132748320	+	6.187E-21	1.66714E-19	-0.30312	hypo	sig	chr5_132748320
chr12	75208044	75208044	+	6.205E-21	1.67182E-19	0.285148	hyper	sig	chr12_75208044
chr16	62035890	62035890	+	6.207E-21	1.67228E-19	0.308055	hyper	sig	chr16_62035890
chr17	74925709	74925709	+	6.225E-21	1.67707E-19	-0.20887	hypo	sig	chr17_74925709
chr19	3879774	3879774	+	6.229E-21	1.67821E-19	-0.27672	hypo	sig	chr19_3879774
chr19	36421868	36421868	+	6.231E-21	1.67872E-19	0.256504	hyper	sig	chr19_36421868
chr12	1.07E+08	106585869	+	6.241E-21	1.68129E-19	0.249816	hyper	sig	chr12_106585869
chr6	32079633	32079633	+	6.243E-21	1.68178E-19	-0.2362	hypo	sig	chr6_32079633
chr2	2.37E+08	236568041	+	6.244E-21	1.68182E-19	0.241194	hyper	sig	chr2_236568041
chr5	44388896	44388896	+	6.263E-21	1.68701E-19	0.241374	hyper	sig	chr5_44388896
chr2	1.32E+08	131802640	+	6.294E-21	1.69501E-19	0.203846	hyper	sig	chr2_131802640
chr10	1.17E+08	117132152	+	6.294E-21	1.69516E-19	0.28084	hyper	sig	chr10_117132152
chr19	3881225	3881225	+	6.297E-21	1.69569E-19	0.242242	hyper	sig	chr19_3881225
chr19	33221944	33221944	+	6.301E-21	1.69677E-19	-0.20664	hypo	sig	chr19_33221944
chr16	24255584	24255584	+	6.302E-21	1.69709E-19	0.287866	hyper	sig	chr16_24255584
chr2	91599134	91599134	+	6.312E-21	1.69964E-19	-0.24125	hypo	sig	chr2_91599134
chr9	1.34E+08	133569168	+	6.315E-21	1.70025E-19	-0.22779	hypo	sig	chr9_133569168
chr7	2665585	2665585	+	6.32E-21	1.70156E-19	-0.2473	hypo	sig	chr7_2665585
chr1	3021631	3021631	+	6.332E-21	1.70461E-19	-0.27199	hypo	sig	chr1_3021631
chr5	1.56E+08	155729566	+	6.345E-21	1.70793E-19	0.258318	hyper	sig	chr5_155729566
chr7	1.58E+08	158016830	+	6.348E-21	1.70874E-19	-0.20849	hypo	sig	chr7_158016830
chr12	53955490	53955490	+	6.364E-21	1.71313E-19	0.2684	hyper	sig	chr12_53955490
chr11	76320926	76320926	+	6.368E-21	1.71403E-19	0.310745	hyper	sig	chr11_76320926
chr11	1.12E+08	111514934	+	6.37E-21	1.71456E-19	0.232228	hyper	sig	chr11_111514934
chr15	1E+08	100373703	+	6.378E-21	1.71651E-19	0.234952	hyper	sig	chr15_100373703
chr12	1.14E+08	114403889	+	6.388E-21	1.7191E-19	0.248226	hyper	sig	chr12_114403889
chr19	15011369	15011369	+	6.389E-21	1.71957E-19	0.234032	hyper	sig	chr19_15011369
chr2	1.19E+08	118857377	+	6.393E-21	1.72044E-19	0.249806	hyper	sig	chr2_118857377
chr6	1E+08	100449490	+	6.398E-21	1.72171E-19	0.261177	hyper	sig	chr6_100449490
chr2	88765350	88765350	+	6.401E-21	1.72262E-19	0.249804	hyper	sig	chr2_88765350
chr16	86497189	86497189	+	6.403E-21	1.72296E-19	0.247942	hyper	sig	chr16_86497189
chr20	21103763	21103763	+	6.407E-21	1.72391E-19	0.277953	hyper	sig	chr20_21103763
chr8	1707653	1707653	+	6.409E-21	1.72447E-19	-0.30986	hypo	sig	chr8_1707653
chr11	1804023	1804023	+	6.411E-21	1.72484E-19	-0.35726	hypo	sig	chr11_1804023
chr19	18101511	18101511	+	6.427E-21	1.72916E-19	-0.28076	hypo	sig	chr19_18101511
chr17	14298416	14298416	+	6.438E-21	1.73188E-19	0.243237	hyper	sig	chr17_14298416
chr1	1242607	1242607	+	6.439E-21	1.73209E-19	-0.2169	hypo	sig	chr1_1242607
chr5	73436233	73436233	+	6.442E-21	1.73301E-19	0.289333	hyper	sig	chr5_73436233
chr7	530005	530005	+	6.445E-21	1.73347E-19	-0.20457	hypo	sig	chr7_530005
chr11	56137303	56137303	+	6.448E-21	1.73437E-19	-0.2436	hypo	sig	chr11_56137303
chr19	19860931	19860931	+	6.457E-21	1.73659E-19	0.255739	hyper	sig	chr19_19860931
chr4	1.57E+08	157220821	+	6.457E-21	1.73659E-19	0.232905	hyper	sig	chr4_157220821
chr16	51153932	51153932	+	6.463E-21	1.7382E-19	0.23818	hyper	sig	chr16_51153932
chr15	93037082	93037082	+	6.467E-21	1.73924E-19	-0.20119	hypo	sig	chr15_93037082
chr19	19534768	19534768	+	6.477E-21	1.74168E-19	-0.26027	hypo	sig	chr19_19534768
chr6	28634792	28634792	+	6.479E-21	1.74215E-19	0.244555	hyper	sig	chr6_28634792
chr2	1.82E+08	181683953	+	6.483E-21	1.74338E-19	0.211466	hyper	sig	chr2_181683953
chr20	838404	838404	+	6.487E-21	1.74418E-19	-0.24917	hypo	sig	chr20_838404
chr1	6138574	6138574	+	6.488E-21	1.7444E-19	-0.24974	hypo	sig	chr1_6138574
chr19	56765266	56765266	+	6.492E-21	1.7455E-19	0.306699	hyper	sig	chr19_56765266
chr6	27290691	27290691	+	6.512E-21	1.75063E-19	0.2377	hyper	sig	chr6_27290691
chr7	43112638	43112638	+	6.519E-21	1.75248E-19	0.245203	hyper	sig	chr7_43112638
chr16	833779	833779	+	6.527E-21	1.75472E-19	-0.2013	hypo	sig	chr16_833779
chr5	50969860	50969860	+	6.546E-21	1.75968E-19	0.202067	hyper	sig	chr5_50969860
chr2	1.75E+08	174730239	+	6.564E-21	1.76434E-19	0.220688	hyper	sig	chr2_174730239

chr19	53942259	53942259	+	6.58E-21	1.76861E-19	0.349242	hyper	sig	chr19_53942259
chr2	96527851	96527851	+	6.604E-21	1.7749E-19	0.304582	hyper	sig	chr2_96527851
chr1	1963783	1963783	+	6.611E-21	1.77669E-19	-0.24023	hypo	sig	chr1_1963783
chr16	822520	822520	+	6.613E-21	1.77714E-19	-0.2162	hypo	sig	chr16_822520
chr9	971453	971453	+	6.615E-21	1.77763E-19	0.312058	hyper	sig	chr9_971453
chr13	1.13E+08	113405365	+	6.619E-21	1.7787E-19	-0.24122	hypo	sig	chr13_113405365
chr1	50425572	50425572	+	6.633E-21	1.78233E-19	0.25954	hyper	sig	chr1_50425572
chr2	1.83E+08	183262082	+	6.636E-21	1.78314E-19	-0.35925	hypo	sig	chr2_183262082
chr16	1107285	1107285	+	6.659E-21	1.78905E-19	-0.2308	hypo	sig	chr16_1107285
chr19	50608139	50608139	+	6.693E-21	1.79794E-19	0.256439	hyper	sig	chr19_50608139
chr9	34809729	34809729	+	6.697E-21	1.79903E-19	0.269928	hyper	sig	chr9_34809729
chr21	37567074	37567074	+	6.728E-21	1.80738E-19	-0.26936	hypo	sig	chr21_37567074
chr6	50850486	50850486	+	6.737E-21	1.80977E-19	0.22486	hyper	sig	chr6_50850486
chr13	78594438	78594438	+	6.75E-21	1.81292E-19	0.277457	hyper	sig	chr13_78594438
chr5	1.41E+08	141330882	+	6.753E-21	1.8136E-19	0.21879	hyper	sig	chr5_141330882
chr4	20253641	20253641	+	6.765E-21	1.81677E-19	0.205622	hyper	sig	chr4_20253641
chr4	9505850	9505850	+	6.766E-21	1.81716E-19	-0.28177	hypo	sig	chr4_9505850
chr8	56445730	56445730	+	6.779E-21	1.82059E-19	0.20448	hyper	sig	chr8_56445730
chr7	71133309	71133309	+	6.781E-21	1.82099E-19	0.24913	hyper	sig	chr7_71133309
chr14	60637848	60637848	+	6.796E-21	1.82498E-19	0.20793	hyper	sig	chr14_60637848
chr16	31569584	31569584	+	6.804E-21	1.82691E-19	0.34862	hyper	sig	chr16_31569584
chr22	29480581	29480581	+	6.812E-21	1.82919E-19	0.286799	hyper	sig	chr22_29480581
chr9	3181096	3181096	+	6.827E-21	1.83304E-19	0.250925	hyper	sig	chr9_3181096
chr7	1.49E+08	149229859	+	6.829E-21	1.83341E-19	-0.37216	hypo	sig	chr7_149229859
chr6	1.01E+08	101392494	+	6.831E-21	1.83395E-19	0.237358	hyper	sig	chr6_101392494
chr11	1.23E+08	122977408	+	6.833E-21	1.83439E-19	0.265097	hyper	sig	chr11_122977408
chr10	72277138	72277138	+	6.834E-21	1.83447E-19	-0.26738	hypo	sig	chr10_72277138
chr20	46815096	46815096	+	6.847E-21	1.838E-19	-0.23959	hypo	sig	chr20_46815096
chr13	24932058	24932058	+	6.851E-21	1.83878E-19	0.222459	hyper	sig	chr13_24932058
chr2	2.42E+08	241843413	+	6.859E-21	1.84105E-19	-0.30134	hypo	sig	chr2_241843413
chr1	80050937	80050937	+	6.868E-21	1.84323E-19	-0.24669	hypo	sig	chr1_80050937
chr15	23686500	23686500	+	6.877E-21	1.84547E-19	0.290302	hyper	sig	chr15_23686500
chr6	27260450	27260450	+	6.887E-21	1.84804E-19	0.212063	hyper	sig	chr6_27260450
chr2	40451696	40451696	+	6.888E-21	1.84824E-19	0.222585	hyper	sig	chr2_40451696
chr12	80716952	80716952	+	6.894E-21	1.85001E-19	0.238445	hyper	sig	chr12_80716952
chr16	30023017	30023017	+	6.895E-21	1.85016E-19	-0.22056	hypo	sig	chr16_30023017
chr16	81457707	81457707	+	6.899E-21	1.85103E-19	-0.20142	hypo	sig	chr16_81457707
chr9	1.35E+08	135104477	+	6.906E-21	1.85279E-19	-0.24989	hypo	sig	chr9_135104477
chr5	1.29E+08	128965819	+	6.912E-21	1.85444E-19	0.259646	hyper	sig	chr5_128965819
chr6	30172097	30172097	+	6.913E-21	1.8546E-19	0.304329	hyper	sig	chr6_30172097
chr2	1.08E+08	107536331	+	6.92E-21	1.85633E-19	-0.2926	hypo	sig	chr2_107536331
chr16	54288453	54288453	+	6.929E-21	1.85882E-19	0.291383	hyper	sig	chr16_54288453
chr6	29828106	29828106	+	6.942E-21	1.86218E-19	0.234929	hyper	sig	chr6_29828106
chr11	829182	829182	+	6.945E-21	1.86305E-19	-0.27767	hypo	sig	chr11_829182
chr11	69449940	69449940	+	6.95E-21	1.86425E-19	-0.24827	hypo	sig	chr11_69449940
chr13	27919189	27919189	+	6.959E-21	1.8667E-19	0.32894	hyper	sig	chr13_27919189
chr10	68562134	68562134	+	6.989E-21	1.87454E-19	0.259743	hyper	sig	chr10_68562134
chr13	36345272	36345272	+	6.989E-21	1.87454E-19	0.245994	hyper	sig	chr13_36345272
chr19	37551551	37551551	+	6.993E-21	1.87544E-19	0.224033	hyper	sig	chr19_37551551
chr10	1.32E+08	132232831	+	7.007E-21	1.87909E-19	-0.24658	hypo	sig	chr10_132232831
chr12	85277995	85277995	+	7.026E-21	1.88418E-19	0.240804	hyper	sig	chr12_85277995
chr22	45924213	45924213	+	7.044E-21	1.88902E-19	-0.26603	hypo	sig	chr22_45924213
chr10	1.33E+08	132785041	+	7.052E-21	1.89091E-19	0.269004	hyper	sig	chr10_132785041
chr20	46513362	46513362	+	7.052E-21	1.89091E-19	0.285778	hyper	sig	chr20_46513362
chr18	9707921	9707921	+	7.053E-21	1.89124E-19	0.255205	hyper	sig	chr18_9707921
chr2	61144915	61144915	+	7.057E-21	1.89219E-19	0.240438	hyper	sig	chr2_61144915

chr22	42858005	42858005	+	7.061E-21	1.89324E-19	-0.22716	hypo	sig	chr22_42858005
chr5	73436227	73436227	+	7.064E-21	1.89389E-19	0.293766	hyper	sig	chr5_73436227
chr4	1509841	1509841	+	7.068E-21	1.89465E-19	-0.20931	hypo	sig	chr4_1509841
chr10	18713102	18713102	+	7.069E-21	1.89504E-19	-0.29631	hypo	sig	chr10_18713102
chr18	33440980	33440980	+	7.073E-21	1.89595E-19	0.371862	hyper	sig	chr18_33440980
chr16	29262185	29262185	+	7.076E-21	1.89674E-19	-0.25928	hypo	sig	chr16_29262185
chr1	47433560	47433560	+	7.094E-21	1.90139E-19	0.311779	hyper	sig	chr1_47433560
chr19	54219476	54219476	+	7.108E-21	1.9051E-19	-0.25723	hypo	sig	chr19_54219476
chr12	1.06E+08	106139911	+	7.118E-21	1.90773E-19	0.252949	hyper	sig	chr12_106139911
chr1	2888244	2888244	+	7.119E-21	1.90789E-19	-0.25272	hypo	sig	chr1_2888244
chr13	27919290	27919290	+	7.12E-21	1.90804E-19	0.307758	hyper	sig	chr13_27919290
chr12	34385830	34385830	+	7.121E-21	1.90827E-19	-0.27147	hypo	sig	chr12_34385830
chr10	50024979	50024979	+	7.13E-21	1.91039E-19	0.213719	hyper	sig	chr10_50024979
chr16	85265046	85265046	+	7.13E-21	1.91043E-19	-0.23904	hypo	sig	chr16_85265046
chr16	87637657	87637657	+	7.146E-21	1.9145E-19	-0.24862	hypo	sig	chr16_87637657
chr2	40452452	40452452	+	7.146E-21	1.91454E-19	0.227508	hyper	sig	chr2_40452452
chr2	94857034	94857034	+	7.151E-21	1.91578E-19	0.255284	hyper	sig	chr2_94857034
chr2	2.22E+08	222297069	+	7.159E-21	1.91795E-19	0.202297	hyper	sig	chr2_222297069
chr20	9840092	9840092	+	7.174E-21	1.92193E-19	-0.27341	hypo	sig	chr20_9840092
chr7	4141151	4141151	+	7.177E-21	1.92258E-19	-0.25885	hypo	sig	chr7_4141151
chr17	36939697	36939697	+	7.195E-21	1.92742E-19	0.221288	hyper	sig	chr17_36939697
chr5	1.16E+08	115963223	+	7.206E-21	1.9302E-19	0.225824	hyper	sig	chr5_115963223
chr5	1.41E+08	141236883	+	7.207E-21	1.93026E-19	0.248961	hyper	sig	chr5_141236883
chr8	43247502	43247502	+	7.215E-21	1.93235E-19	0.357479	hyper	sig	chr8_43247502
chr22	49658646	49658646	+	7.218E-21	1.93331E-19	-0.20791	hypo	sig	chr22_49658646
chr1	1.96E+08	195722021	+	7.232E-21	1.93692E-19	-0.31816	hypo	sig	chr1_195722021
chr15	1.01E+08	101009084	+	7.242E-21	1.93961E-19	-0.22467	hypo	sig	chr15_101009084
chr10	23172625	23172625	+	7.27E-21	1.94683E-19	0.251592	hyper	sig	chr10_23172625
chr6	52404132	52404132	+	7.27E-21	1.94683E-19	-0.27959	hypo	sig	chr6_52404132
chr14	1.04E+08	104304651	+	7.273E-21	1.94772E-19	-0.20679	hypo	sig	chr14_104304651
chr16	85282450	85282450	+	7.279E-21	1.94916E-19	-0.20344	hypo	sig	chr16_85282450
chr16	1991571	1991571	+	7.287E-21	1.95117E-19	0.254689	hyper	sig	chr16_1991571
chr16	51155890	51155890	+	7.294E-21	1.95298E-19	0.253318	hyper	sig	chr16_51155890
chr3	5023454	5023454	+	7.296E-21	1.95357E-19	-0.33533	hypo	sig	chr3_5023454
chr20	63361080	63361080	+	7.308E-21	1.95649E-19	0.3064	hyper	sig	chr20_63361080
chr2	94871750	94871750	+	7.312E-21	1.95769E-19	0.21198	hyper	sig	chr2_94871750
chr4	41866142	41866142	+	7.313E-21	1.95781E-19	0.263775	hyper	sig	chr4_41866142
chr5	1.41E+08	141408315	+	7.331E-21	1.96253E-19	0.231415	hyper	sig	chr5_141408315
chr19	55359413	55359413	+	7.343E-21	1.96567E-19	-0.22649	hypo	sig	chr19_55359413
chr8	84183797	84183797	+	7.346E-21	1.96627E-19	0.265805	hyper	sig	chr8_84183797
chr8	21788699	21788699	+	7.357E-21	1.9692E-19	0.204118	hyper	sig	chr8_21788699
chr6	1.68E+08	168280904	+	7.357E-21	1.9693E-19	-0.2496	hypo	sig	chr6_168280904
chr9	77019933	77019933	+	7.358E-21	1.96951E-19	0.240978	hyper	sig	chr9_77019933
chr1	2.03E+08	203086534	+	7.372E-21	1.97307E-19	-0.25113	hypo	sig	chr1_203086534
chr2	1.3E+08	130037168	+	7.399E-21	1.98026E-19	0.200211	hyper	sig	chr2_130037168
chr8	1163740	1163740	+	7.41E-21	1.98278E-19	0.27537	hyper	sig	chr8_1163740
chr14	1.05E+08	104604993	+	7.41E-21	1.98295E-19	0.214407	hyper	sig	chr14_104604993
chr8	23705659	23705659	+	7.413E-21	1.98368E-19	0.233488	hyper	sig	chr8_23705659
chr2	1.13E+08	113291276	+	7.425E-21	1.98663E-19	0.219664	hyper	sig	chr2_113291276
chr12	1.07E+08	106585700	+	7.429E-21	1.98749E-19	0.239636	hyper	sig	chr12_106585700
chr16	86214588	86214588	+	7.434E-21	1.98893E-19	-0.23752	hypo	sig	chr16_86214588
chr16	51153689	51153689	+	7.458E-21	1.99511E-19	0.266135	hyper	sig	chr16_51153689
chr7	1567290	1567290	+	7.473E-21	1.99889E-19	-0.26191	hypo	sig	chr7_1567290
chr2	6771062	6771062	+	7.477E-21	1.99997E-19	-0.2448	hypo	sig	chr2_6771062
chr6	32070002	32070002	+	7.481E-21	2.00095E-19	-0.2257	hypo	sig	chr6_32070002
chr8	23706531	23706531	+	7.49E-21	2.00327E-19	0.261946	hyper	sig	chr8_23706531

chr12	70920488	70920488	+	7.514E-21	2.00953E-19	0.231728	hyper	sig	chr12_70920488
chr15	91854989	91854989	+	7.515E-21	2.00974E-19	0.271114	hyper	sig	chr15_91854989
chr7	92608693	92608693	+	7.52E-21	2.01104E-19	-0.31511	hypo	sig	chr7_92608693
chr12	54034370	54034370	+	7.525E-21	2.01236E-19	0.236893	hyper	sig	chr12_54034370
chr20	62329107	62329107	+	7.558E-21	2.02109E-19	-0.31958	hypo	sig	chr20_62329107
chr12	1.11E+08	111033685	+	7.573E-21	2.02498E-19	0.293393	hyper	sig	chr12_111033685
chr19	56478482	56478482	+	7.576E-21	2.02582E-19	0.298887	hyper	sig	chr19_56478482
chr18	21243198	21243198	+	7.596E-21	2.03068E-19	0.201668	hyper	sig	chr18_21243198
chr1	1.01E+08	101237111	+	7.598E-21	2.0313E-19	0.2061	hyper	sig	chr1_101237111
chr19	1429620	1429620	+	7.603E-21	2.03265E-19	-0.28235	hypo	sig	chr19_1429620
chr13	22926239	22926239	+	7.61E-21	2.03441E-19	0.317961	hyper	sig	chr13_22926239
chr2	44972832	44972832	+	7.617E-21	2.03604E-19	-0.28608	hypo	sig	chr2_44972832
chr1	47435960	47435960	+	7.622E-21	2.03733E-19	0.210394	hyper	sig	chr1_47435960
chr22	50039815	50039815	+	7.637E-21	2.04145E-19	-0.20317	hypo	sig	chr22_50039815
chr16	23838785	23838785	+	7.639E-21	2.04196E-19	-0.27685	hypo	sig	chr16_23838785
chr10	42368102	42368102	+	7.645E-21	2.04349E-19	0.258718	hyper	sig	chr10_42368102
chr2	1.19E+08	118845514	+	7.648E-21	2.04422E-19	0.253351	hyper	sig	chr2_118845514
chr11	313527	313527	+	7.659E-21	2.04676E-19	-0.22399	hypo	sig	chr11_313527
chr7	96992873	96992873	+	7.673E-21	2.05052E-19	0.334879	hyper	sig	chr7_96992873
chr11	57639965	57639965	+	7.684E-21	2.05327E-19	-0.30738	hypo	sig	chr11_57639965
chr17	81461116	81461116	+	7.696E-21	2.05645E-19	-0.21234	hypo	sig	chr17_81461116
chr9	77019878	77019878	+	7.699E-21	2.05716E-19	0.285859	hyper	sig	chr9_77019878
chr7	43113829	43113829	+	7.732E-21	2.06587E-19	0.21	hyper	sig	chr7_43113829
chr8	26042175	26042175	+	7.74E-21	2.06766E-19	0.246088	hyper	sig	chr8_26042175
chr2	1.75E+08	174730460	+	7.747E-21	2.06965E-19	0.290086	hyper	sig	chr2_174730460
chr16	1093801	1093801	+	7.752E-21	2.07071E-19	-0.26491	hypo	sig	chr16_1093801
chr5	38846878	38846878	+	7.755E-21	2.07162E-19	0.288451	hyper	sig	chr5_38846878
chr5	2643185	2643185	+	7.756E-21	2.07173E-19	0.228391	hyper	sig	chr5_2643185
chr2	27723999	27723999	+	7.764E-21	2.07373E-19	-0.25546	hypo	sig	chr2_27723999
chr11	1.25E+08	125263520	+	7.766E-21	2.07439E-19	0.223388	hyper	sig	chr11_125263520
chr11	1060645	1060645	+	7.77E-21	2.07527E-19	-0.25738	hypo	sig	chr11_1060645
chr5	51382629	51382629	+	7.797E-21	2.08243E-19	0.228733	hyper	sig	chr5_51382629
chr16	51150945	51150945	+	7.799E-21	2.08285E-19	0.302785	hyper	sig	chr16_51150945
chr3	27728872	27728872	+	7.808E-21	2.08497E-19	0.250946	hyper	sig	chr3_27728872
chr8	1.43E+08	142508087	+	7.809E-21	2.08531E-19	-0.23795	hypo	sig	chr8_142508087
chr12	1.27E+08	126734435	+	7.813E-21	2.08637E-19	-0.24034	hypo	sig	chr12_126734435
chr6	6614214	6614214	+	7.826E-21	2.08965E-19	-0.24169	hypo	sig	chr6_6614214
chr9	1.19E+08	119369297	+	7.831E-21	2.09098E-19	0.260928	hyper	sig	chr9_119369297
chr5	1.78E+08	178465826	+	7.855E-21	2.09726E-19	-0.23248	hypo	sig	chr5_178465826
chr3	87089306	87089306	+	7.872E-21	2.10149E-19	0.262405	hyper	sig	chr3_87089306
chr2	1.15E+08	115162619	+	7.876E-21	2.10254E-19	0.287775	hyper	sig	chr2_115162619
chr17	44969556	44969556	+	7.881E-21	2.10394E-19	0.301639	hyper	sig	chr17_44969556
chr5	3599463	3599463	+	7.884E-21	2.1046E-19	0.309981	hyper	sig	chr5_3599463
chr15	39805987	39805987	+	7.889E-21	2.10583E-19	-0.26096	hypo	sig	chr15_39805987
chr15	69835249	69835249	+	7.9E-21	2.10843E-19	-0.24529	hypo	sig	chr15_69835249
chr13	1.13E+08	113110286	+	7.933E-21	2.11734E-19	0.302153	hyper	sig	chr13_113110286
chr3	1.71E+08	170585262	+	7.954E-21	2.12286E-19	0.261147	hyper	sig	chr3_170585262
chr2	1.3E+08	130037768	+	7.962E-21	2.12501E-19	0.214527	hyper	sig	chr2_130037768
chr10	93063008	93063008	+	7.963E-21	2.1252E-19	0.21319	hyper	sig	chr10_93063008
chr7	1.53E+08	152896478	+	7.97E-21	2.12675E-19	-0.20751	hypo	sig	chr7_152896478
chr16	81692252	81692252	+	7.981E-21	2.12973E-19	-0.26685	hypo	sig	chr16_81692252
chr16	24850685	24850685	+	7.986E-21	2.13101E-19	-0.31724	hypo	sig	chr16_24850685
chr2	66426925	66426925	+	8.016E-21	2.1387E-19	0.221064	hyper	sig	chr2_66426925
chr7	8442425	8442425	+	8.021E-21	2.14009E-19	0.209977	hyper	sig	chr7_8442425
chr7	4837310	4837310	+	8.04E-21	2.14501E-19	-0.21666	hypo	sig	chr7_4837310
chr6	1.61E+08	160679540	+	8.044E-21	2.14585E-19	0.286508	hyper	sig	chr6_160679540

chr13	20143343	20143343	+	8.047E-21	2.14663E-19	-0.21264	hypo	sig	chr13_20143343
chr10	91575383	91575383	+	8.048E-21	2.14673E-19	-0.25158	hypo	sig	chr10_91575383
chr17	80823205	80823205	+	8.059E-21	2.14946E-19	-0.24122	hypo	sig	chr17_80823205
chr8	71558924	71558924	+	8.06E-21	2.1498E-19	0.276001	hyper	sig	chr8_71558924
chr8	26190808	26190808	+	8.072E-21	2.1528E-19	-0.25063	hypo	sig	chr8_26190808
chr5	77632558	77632558	+	8.074E-21	2.15346E-19	0.298675	hyper	sig	chr5_77632558
chr1	27343260	27343260	+	8.075E-21	2.15349E-19	-0.22301	hypo	sig	chr1_27343260
chr3	1.72E+08	172449913	+	8.108E-21	2.16239E-19	0.256468	hyper	sig	chr3_172449913
chr16	86284178	86284178	+	8.112E-21	2.16318E-19	-0.22332	hypo	sig	chr16_86284178
chr18	14748231	14748231	+	8.112E-21	2.16324E-19	0.226628	hyper	sig	chr18_14748231
chr1	1.66E+08	165941522	+	8.138E-21	2.16986E-19	-0.20042	hypo	sig	chr1_165941522
chr6	10389811	10389811	+	8.14E-21	2.17035E-19	0.305312	hyper	sig	chr6_10389811
chr13	77918222	77918222	+	8.16E-21	2.17573E-19	0.226785	hyper	sig	chr13_77918222
chr19	36245756	36245756	+	8.166E-21	2.17725E-19	0.285151	hyper	sig	chr19_36245756
chr5	38846871	38846871	+	8.171E-21	2.17854E-19	0.293358	hyper	sig	chr5_38846871
chr5	1.46E+08	146334211	+	8.193E-21	2.18427E-19	0.2215	hyper	sig	chr5_146334211
chr12	1.15E+08	114687326	+	8.225E-21	2.19221E-19	0.204428	hyper	sig	chr12_114687326
chr7	65269370	65269370	+	8.239E-21	2.19589E-19	0.202229	hyper	sig	chr7_65269370
chr8	71558918	71558918	+	8.256E-21	2.20044E-19	0.274477	hyper	sig	chr8_71558918
chr10	1.33E+08	132817206	+	8.285E-21	2.20799E-19	-0.25657	hypo	sig	chr10_132817206
chr14	1.06E+08	105598159	+	8.286E-21	2.20819E-19	-0.25471	hypo	sig	chr14_105598159
chr6	1.37E+08	137496123	+	8.303E-21	2.2128E-19	0.249528	hyper	sig	chr6_137496123
chr6	1.08E+08	108171503	+	8.305E-21	2.21304E-19	0.25937	hyper	sig	chr6_108171503
chr7	1.58E+08	157670608	+	8.305E-21	2.21307E-19	-0.24142	hypo	sig	chr7_157670608
chr14	77026591	77026591	+	8.307E-21	2.21343E-19	0.210516	hyper	sig	chr14_77026591
chr5	1.41E+08	141421248	+	8.341E-21	2.22262E-19	0.200939	hyper	sig	chr5_141421248
chr16	55874958	55874958	+	8.342E-21	2.22279E-19	-0.25782	hypo	sig	chr16_55874958
chr4	41359794	41359794	+	8.345E-21	2.22348E-19	-0.38604	hypo	sig	chr4_41359794
chr6	1.37E+08	137489988	+	8.356E-21	2.2263E-19	0.284709	hyper	sig	chr6_137489988
chr16	3183452	3183452	+	8.37E-21	2.22996E-19	0.20086	hyper	sig	chr16_3183452
chr14	99319906	99319906	+	8.381E-21	2.23271E-19	-0.2998	hypo	sig	chr14_99319906
chr10	1.33E+08	132785060	+	8.388E-21	2.23445E-19	0.288678	hyper	sig	chr10_132785060
chr16	86619576	86619576	+	8.393E-21	2.2357E-19	-0.27751	hypo	sig	chr16_86619576
chr12	62191462	62191462	+	8.401E-21	2.23773E-19	0.313642	hyper	sig	chr12_62191462
chr1	1.11E+08	111271063	+	8.413E-21	2.24072E-19	0.25625	hyper	sig	chr1_111271063
chr10	71805818	71805818	+	8.415E-21	2.24137E-19	-0.27073	hypo	sig	chr10_71805818
chr8	11709680	11709680	+	8.431E-21	2.24555E-19	0.25806	hyper	sig	chr8_11709680
chr14	53938643	53938643	+	8.467E-21	2.25493E-19	-0.28787	hypo	sig	chr14_53938643
chr5	1.41E+08	141395103	+	8.479E-21	2.25793E-19	0.213031	hyper	sig	chr5_141395103
chr12	1.09E+08	109294020	+	8.485E-21	2.25957E-19	-0.28549	hypo	sig	chr12_109294020
chr3	10994833	10994833	+	8.494E-21	2.26193E-19	-0.21803	hypo	sig	chr3_10994833
chr11	20601232	20601232	+	8.498E-21	2.26282E-19	0.246733	hyper	sig	chr11_20601232
chr14	1.04E+08	104158863	+	8.509E-21	2.26558E-19	-0.27574	hypo	sig	chr14_104158863
chr7	1.58E+08	158253360	+	8.537E-21	2.27305E-19	-0.22427	hypo	sig	chr7_158253360
chr1	66752098	66752098	+	8.551E-21	2.27657E-19	0.217377	hyper	sig	chr1_66752098
chr16	1044684	1044684	+	8.58E-21	2.28414E-19	-0.20731	hypo	sig	chr16_1044684
chr13	26685672	26685672	+	8.599E-21	2.28893E-19	-0.33064	hypo	sig	chr13_26685672
chr1	1060914	1060914	+	8.615E-21	2.29299E-19	-0.3705	hypo	sig	chr1_1060914
chr6	1.08E+08	108174645	+	8.623E-21	2.29505E-19	0.238531	hyper	sig	chr6_108174645
chr11	94401566	94401566	+	8.64E-21	2.29952E-19	0.264718	hyper	sig	chr11_94401566
chr6	1.33E+08	133241701	+	8.655E-21	2.30333E-19	0.449738	hyper	sig	chr6_133241701
chr5	1.41E+08	141402800	+	8.656E-21	2.3037E-19	0.233865	hyper	sig	chr5_141402800
chr5	1.52E+08	151532835	+	8.659E-21	2.30426E-19	-0.25527	hypo	sig	chr5_151532835
chr4	1.9E+08	190017333	+	8.662E-21	2.3052E-19	0.278776	hyper	sig	chr4_190017333
chr12	4909233	4909233	+	8.676E-21	2.30885E-19	0.250529	hyper	sig	chr12_4909233
chr7	73978462	73978462	+	8.7E-21	2.31493E-19	-0.28369	hypo	sig	chr7_73978462

chr9	1.29E+08	129491105	+	8.701E-21	2.3152E-19	-0.23507	hypo	sig	chr9_129491105
chr19	52535838	52535838	+	8.709E-21	2.31726E-19	0.232268	hyper	sig	chr19_52535838
chr2	95025287	95025287	+	8.709E-21	2.31726E-19	0.28549	hyper	sig	chr2_95025287
chr19	51010627	51010627	+	8.717E-21	2.31912E-19	-0.3415	hypo	sig	chr19_51010627
chr20	31571012	31571012	+	8.72E-21	2.31986E-19	-0.27492	hypo	sig	chr20_31571012
chr1	1.56E+08	156388089	+	8.722E-21	2.32027E-19	0.255499	hyper	sig	chr1_156388089
chr19	4891120	4891120	+	8.752E-21	2.32825E-19	-0.27736	hypo	sig	chr19_4891120
chr14	99792880	99792880	+	8.754E-21	2.32869E-19	0.241134	hyper	sig	chr14_99792880
chr4	72031927	72031927	+	8.755E-21	2.32886E-19	0.256495	hyper	sig	chr4_72031927
chr2	1.49E+08	149034537	+	8.764E-21	2.3309E-19	-0.27759	hypo	sig	chr2_149034537
chr12	1.13E+08	113479720	+	8.774E-21	2.3335E-19	0.276685	hyper	sig	chr12_113479720
chr7	1.57E+08	157020303	+	8.776E-21	2.33418E-19	0.22849	hyper	sig	chr7_157020303
chr6	27260448	27260448	+	8.778E-21	2.33457E-19	0.211618	hyper	sig	chr6_27260448
chr1	1.54E+08	153681083	+	8.779E-21	2.33473E-19	-0.24135	hypo	sig	chr1_153681083
chr3	1.47E+08	147392535	+	8.783E-21	2.33582E-19	0.255544	hyper	sig	chr3_147392535
chr6	52839538	52839538	+	8.806E-21	2.34181E-19	-0.31267	hypo	sig	chr6_52839538
chr11	1931578	1931578	+	8.816E-21	2.34426E-19	-0.24522	hypo	sig	chr11_1931578
chr5	1.41E+08	141409876	+	8.819E-21	2.34509E-19	0.224579	hyper	sig	chr5_141409876
chr6	1.08E+08	108171065	+	8.848E-21	2.35243E-19	0.359418	hyper	sig	chr6_108171065
chr7	23490924	23490924	+	8.857E-21	2.35486E-19	0.2055	hyper	sig	chr7_23490924
chr12	1.32E+08	132160160	+	8.89E-21	2.36355E-19	-0.26408	hypo	sig	chr12_132160160
chr15	25210857	25210857	+	8.922E-21	2.37179E-19	-0.2438	hypo	sig	chr15_25210857
chr9	1.36E+08	135779804	+	8.928E-21	2.37344E-19	-0.23284	hypo	sig	chr9_135779804
chr5	1.41E+08	141225719	+	8.966E-21	2.38322E-19	0.23611	hyper	sig	chr5_141225719
chr4	4868726	4868726	+	8.971E-21	2.38439E-19	0.317377	hyper	sig	chr4_4868726
chr13	94701987	94701987	+	8.98E-21	2.38677E-19	0.308224	hyper	sig	chr13_94701987
chr10	1.3E+08	129965390	+	9.013E-21	2.39552E-19	0.259835	hyper	sig	chr10_129965390
chr9	1.35E+08	134769583	+	9.028E-21	2.39921E-19	-0.24533	hypo	sig	chr9_134769583
chr14	23386171	23386171	+	9.031E-21	2.39992E-19	-0.25065	hypo	sig	chr14_23386171
chr14	1.01E+08	100824843	+	9.04E-21	2.4022E-19	-0.24952	hypo	sig	chr14_100824843
chr19	2511764	2511764	+	9.042E-21	2.40283E-19	-0.29813	hypo	sig	chr19_2511764
chr16	3305997	3305997	+	9.099E-21	2.41771E-19	0.200564	hyper	sig	chr16_3305997
chr8	25001446	25001446	+	9.113E-21	2.42137E-19	0.236805	hyper	sig	chr8_25001446
chr22	39374375	39374375	+	9.129E-21	2.42552E-19	-0.23022	hypo	sig	chr22_39374375
chr10	788539	788539	+	9.131E-21	2.42605E-19	-0.20016	hypo	sig	chr10_788539
chr15	1.01E+08	100880767	+	9.143E-21	2.42902E-19	0.345199	hyper	sig	chr15_100880767
chr16	85270801	85270801	+	9.158E-21	2.43287E-19	-0.22015	hypo	sig	chr16_85270801
chr16	88842078	88842078	+	9.16E-21	2.43339E-19	-0.21768	hypo	sig	chr16_88842078
chr17	1203872	1203872	+	9.162E-21	2.43367E-19	0.307715	hyper	sig	chr17_1203872
chr20	44748938	44748938	+	9.191E-21	2.44152E-19	-0.26259	hypo	sig	chr20_44748938
chr1	47450064	47450064	+	9.194E-21	2.44206E-19	-0.2103	hypo	sig	chr1_47450064
chr15	40239847	40239847	+	9.201E-21	2.44381E-19	-0.30509	hypo	sig	chr15_40239847
chr10	1.33E+08	132868400	+	9.205E-21	2.44477E-19	-0.23166	hypo	sig	chr10_132868400
chr5	1.41E+08	141431815	+	9.205E-21	2.44489E-19	0.225589	hyper	sig	chr5_141431815
chr16	55660650	55660650	+	9.208E-21	2.44538E-19	-0.24758	hypo	sig	chr16_55660650
chr5	1.72E+08	171581057	+	9.223E-21	2.44934E-19	-0.25277	hypo	sig	chr5_171581057
chr11	31802724	31802724	+	9.23E-21	2.45114E-19	0.246346	hyper	sig	chr11_31802724
chr6	30909133	30909133	+	9.247E-21	2.45548E-19	-0.21316	hypo	sig	chr6_30909133
chr1	2.04E+08	204196981	+	9.26E-21	2.45883E-19	-0.27437	hypo	sig	chr1_204196981
chr11	1.18E+08	117987307	+	9.266E-21	2.46027E-19	-0.26568	hypo	sig	chr11_117987307
chr20	43189301	43189301	+	9.281E-21	2.46396E-19	0.225308	hyper	sig	chr20_43189301
chr5	1.79E+08	179138936	+	9.291E-21	2.46674E-19	-0.22046	hypo	sig	chr5_179138936
chr19	34905347	34905347	+	9.302E-21	2.46954E-19	0.326619	hyper	sig	chr19_34905347
chr4	1039078	1039078	+	9.33E-21	2.47674E-19	-0.21657	hypo	sig	chr4_1039078
chr10	1.33E+08	132943086	+	9.338E-21	2.47885E-19	0.275911	hyper	sig	chr10_132943086
chr12	80708714	80708714	+	9.345E-21	2.48047E-19	0.207311	hyper	sig	chr12_80708714

chr3	42265327	42265327	+	9.351E-21	2.48192E-19	0.329675	hyper	sig	chr3_42265327
chr2	85584259	85584259	+	9.365E-21	2.4856E-19	0.226454	hyper	sig	chr2_85584259
chr16	2212740	2212740	+	9.366E-21	2.48589E-19	-0.20693	hypo	sig	chr16_2212740
chr8	85438161	85438161	+	9.368E-21	2.48624E-19	0.224469	hyper	sig	chr8_85438161
chr7	1.59E+08	158544163	+	9.383E-21	2.49016E-19	0.218575	hyper	sig	chr7_158544163
chr1	2911173	2911173	+	9.401E-21	2.49488E-19	-0.21642	hypo	sig	chr1_2911173
chr5	38846349	38846349	+	9.407E-21	2.49634E-19	0.264677	hyper	sig	chr5_38846349
chr14	24315621	24315621	+	9.416E-21	2.49865E-19	-0.23159	hypo	sig	chr14_24315621
chr10	71805873	71805873	+	9.42E-21	2.49967E-19	-0.21684	hypo	sig	chr10_71805873
chr2	1.15E+08	115162713	+	9.421E-21	2.4999E-19	0.278645	hyper	sig	chr2_115162713
chr5	1.81E+08	181100618	+	9.442E-21	2.50539E-19	0.224908	hyper	sig	chr5_181100618
chr22	48396918	48396918	+	9.443E-21	2.50549E-19	-0.23201	hypo	sig	chr22_48396918
chr8	1.42E+08	142335355	+	9.446E-21	2.50613E-19	-0.23582	hypo	sig	chr8_142335355
chr21	26967735	26967735	+	9.45E-21	2.50718E-19	0.258662	hyper	sig	chr21_26967735
chr15	84079883	84079883	+	9.453E-21	2.50787E-19	0.219844	hyper	sig	chr15_84079883
chr14	35402748	35402748	+	9.455E-21	2.50835E-19	0.227443	hyper	sig	chr14_35402748
chr10	34974223	34974223	+	9.462E-21	2.51003E-19	-0.31588	hypo	sig	chr10_34974223
chr5	15928311	15928311	+	9.477E-21	2.51393E-19	-0.23644	hypo	sig	chr5_15928311
chr10	72217040	72217040	+	9.481E-21	2.51482E-19	-0.2957	hypo	sig	chr10_72217040
chr8	1.2E+08	119672962	+	9.506E-21	2.52143E-19	0.217224	hyper	sig	chr8_119672962
chr12	1.13E+08	112575712	+	9.527E-21	2.5268E-19	0.244738	hyper	sig	chr12_112575712
chr15	40798787	40798787	+	9.534E-21	2.5286E-19	-0.26914	hypo	sig	chr15_40798787
chr16	88816676	88816676	+	9.535E-21	2.52869E-19	-0.23458	hypo	sig	chr16_88816676
chr21	35886162	35886162	+	9.547E-21	2.53175E-19	-0.28871	hypo	sig	chr21_35886162
chr20	62311032	62311032	+	9.562E-21	2.53579E-19	-0.20566	hypo	sig	chr20_62311032
chr14	28778248	28778248	+	9.565E-21	2.53641E-19	0.289979	hyper	sig	chr14_28778248
chr21	33026541	33026541	+	9.572E-21	2.53809E-19	0.24419	hyper	sig	chr21_33026541
chr19	599349	599349	+	9.584E-21	2.54122E-19	-0.24388	hypo	sig	chr19_599349
chr14	28774556	28774556	+	9.6E-21	2.54549E-19	0.218209	hyper	sig	chr14_28774556
chr1	1.19E+08	118983615	+	9.603E-21	2.54611E-19	0.223874	hyper	sig	chr1_118983615
chr19	1762374	1762374	+	9.612E-21	2.54848E-19	0.225526	hyper	sig	chr19_1762374
chr9	1.35E+08	134827020	+	9.628E-21	2.55231E-19	-0.21952	hypo	sig	chr9_134827020
chr1	79006609	79006609	+	9.632E-21	2.55346E-19	0.242392	hyper	sig	chr1_79006609
chr17	49035724	49035724	+	9.65E-21	2.55795E-19	-0.24702	hypo	sig	chr17_49035724
chr4	1405531	1405531	+	9.65E-21	2.55795E-19	0.406016	hyper	sig	chr4_1405531
chr3	54135956	54135956	+	9.656E-21	2.55948E-19	-0.2541	hypo	sig	chr3_54135956
chr12	1.13E+08	113479726	+	9.666E-21	2.56214E-19	0.279796	hyper	sig	chr12_113479726
chr8	1.43E+08	142540992	+	9.667E-21	2.5623E-19	-0.2105	hypo	sig	chr8_142540992
chr12	85278510	85278510	+	9.672E-21	2.56341E-19	0.210315	hyper	sig	chr12_85278510
chr19	37551296	37551296	+	9.691E-21	2.56853E-19	0.274995	hyper	sig	chr19_37551296
chr3	1.38E+08	137764851	+	9.7E-21	2.5707E-19	0.219021	hyper	sig	chr3_137764851
chr5	1.32E+08	132271390	+	9.701E-21	2.57097E-19	-0.22708	hypo	sig	chr5_132271390
chr16	17515596	17515596	+	9.707E-21	2.57233E-19	-0.21054	hypo	sig	chr16_17515596
chr19	1473210	1473210	+	9.74E-21	2.58102E-19	-0.23148	hypo	sig	chr19_1473210
chr14	36523524	36523524	+	9.751E-21	2.58376E-19	0.26149	hyper	sig	chr14_36523524
chr3	1.47E+08	147421776	+	9.768E-21	2.58814E-19	0.218066	hyper	sig	chr3_147421776
chr4	7129419	7129419	+	9.794E-21	2.59477E-19	-0.24117	hypo	sig	chr4_7129419
chr7	119633	119633	+	9.802E-21	2.59679E-19	-0.2059	hypo	sig	chr7_119633
chr6	1.37E+08	137497218	+	9.807E-21	2.59813E-19	0.230585	hyper	sig	chr6_137497218
chr9	97848459	97848459	+	9.81E-21	2.59892E-19	0.311151	hyper	sig	chr9_97848459
chr4	4226462	4226462	+	9.827E-21	2.60334E-19	0.258308	hyper	sig	chr4_4226462
chr12	1.04E+08	104303817	+	9.838E-21	2.60596E-19	0.266201	hyper	sig	chr12_104303817
chr2	68319964	68319964	+	9.841E-21	2.60688E-19	0.358213	hyper	sig	chr2_68319964
chr11	1025843	1025843	+	9.843E-21	2.6072E-19	-0.23472	hypo	sig	chr11_1025843
chr7	4268730	4268730	+	9.859E-21	2.6115E-19	-0.20818	hypo	sig	chr7_4268730
chr19	1775239	1775239	+	9.866E-21	2.61299E-19	0.206767	hyper	sig	chr19_1775239

chr1	8343652	8343652	+	9.876E-21	2.61552E-19	-0.21109	hypo	sig	chr1_8343652
chr7	1.59E+08	158741116	+	9.879E-21	2.61635E-19	-0.25936	hypo	sig	chr7_158741116
chr15	96773469	96773469	+	9.904E-21	2.62281E-19	-0.28252	hypo	sig	chr15_96773469
chr6	1.69E+08	168999585	+	9.913E-21	2.62512E-19	-0.26296	hypo	sig	chr6_168999585
chr12	41188253	41188253	+	9.975E-21	2.64112E-19	0.299146	hyper	sig	chr12_41188253
chr22	45870464	45870464	+	9.987E-21	2.64416E-19	-0.23854	hypo	sig	chr22_45870464
chr4	72032016	72032016	+	9.989E-21	2.64472E-19	0.275031	hyper	sig	chr4_72032016
chr3	1.47E+08	147423798	+	9.991E-21	2.64508E-19	0.225519	hyper	sig	chr3_147423798
chr7	30912067	30912067	+	9.991E-21	2.64511E-19	0.203199	hyper	sig	chr7_30912067
chr5	10310647	10310647	+	9.994E-21	2.64569E-19	-0.27592	hypo	sig	chr5_10310647
chr6	10385087	10385087	+	9.998E-21	2.64658E-19	0.31705	hyper	sig	chr6_10385087
chr15	89368116	89368116	+	1.001E-20	2.64859E-19	0.238059	hyper	sig	chr15_89368116
chr1	2.32E+08	232327857	+	1.001E-20	2.65021E-19	0.225397	hyper	sig	chr1_232327857
chr11	18733249	18733249	+	1.001E-20	2.65031E-19	-0.21158	hypo	sig	chr11_18733249
chr7	50450875	50450875	+	1.003E-20	2.65453E-19	0.264839	hyper	sig	chr7_50450875
chr12	85278132	85278132	+	1.004E-20	2.65648E-19	0.232426	hyper	sig	chr12_85278132
chr7	4093658	4093658	+	1.004E-20	2.65657E-19	0.256711	hyper	sig	chr7_4093658
chr19	35773168	35773168	+	1.005E-20	2.65896E-19	-0.24132	hypo	sig	chr19_35773168
chr20	50343831	50343831	+	1.006E-20	2.66134E-19	-0.24235	hypo	sig	chr20_50343831
chr5	958199	958199	+	1.009E-20	2.67131E-19	-0.22842	hypo	sig	chr5_958199
chr13	94968719	94968719	+	1.013E-20	2.68095E-19	0.231624	hyper	sig	chr13_94968719
chr2	1.58E+08	157597549	+	1.013E-20	2.68107E-19	0.258219	hyper	sig	chr2_157597549
chr7	1.5E+08	150341385	+	1.013E-20	2.68107E-19	0.300739	hyper	sig	chr7_150341385
chr11	1.14E+08	114076405	+	1.014E-20	2.68176E-19	-0.22308	hypo	sig	chr11_114076405
chr14	1.04E+08	104268001	+	1.015E-20	2.68555E-19	-0.21322	hypo	sig	chr14_104268001
chr4	1.21E+08	121380852	+	1.016E-20	2.68817E-19	0.271933	hyper	sig	chr4_121380852
chr1	1.44E+08	143661652	+	1.016E-20	2.68893E-19	0.281124	hyper	sig	chr1_143661652
chr14	47675582	47675582	+	1.017E-20	2.69031E-19	0.362264	hyper	sig	chr14_47675582
chr17	77377386	77377386	+	1.017E-20	2.69031E-19	-0.20329	hypo	sig	chr17_77377386
chr2	66582139	66582139	+	1.017E-20	2.6911E-19	0.213444	hyper	sig	chr2_66582139
chr20	60055185	60055185	+	1.019E-20	2.69459E-19	-0.20973	hypo	sig	chr20_60055185
chr17	82321095	82321095	+	1.02E-20	2.69706E-19	-0.24729	hypo	sig	chr17_82321095
chr6	30172485	30172485	+	1.024E-20	2.70733E-19	0.230779	hyper	sig	chr6_30172485
chr14	99247093	99247093	+	1.024E-20	2.7091E-19	0.25979	hyper	sig	chr14_99247093
chr7	2699252	2699252	+	1.024E-20	2.7091E-19	-0.23892	hypo	sig	chr7_2699252
chr3	1.72E+08	172448490	+	1.026E-20	2.71389E-19	0.276795	hyper	sig	chr3_172448490
chr2	1795730	1795730	+	1.026E-20	2.71401E-19	-0.21748	hypo	sig	chr2_1795730
chr16	24255599	24255599	+	1.027E-20	2.71449E-19	0.293328	hyper	sig	chr16_24255599
chr7	30912125	30912125	+	1.027E-20	2.71676E-19	0.217774	hyper	sig	chr7_30912125
chr5	1924149	1924149	+	1.03E-20	2.72217E-19	-0.23326	hypo	sig	chr5_1924149
chr5	1804415	1804415	+	1.031E-20	2.7266E-19	-0.23377	hypo	sig	chr5_1804415
chr14	85534739	85534739	+	1.032E-20	2.72789E-19	0.244201	hyper	sig	chr14_85534739
chr10	23173330	23173330	+	1.032E-20	2.72957E-19	0.279522	hyper	sig	chr10_23173330
chr3	1.26E+08	125756174	+	1.033E-20	2.73047E-19	-0.2724	hypo	sig	chr3_125756174
chr1	2E+08	200036195	+	1.035E-20	2.73581E-19	0.32555	hyper	sig	chr1_200036195
chr6	50708059	50708059	+	1.037E-20	2.74213E-19	0.285006	hyper	sig	chr6_50708059
chr12	1500142	1500142	+	1.038E-20	2.74299E-19	-0.22169	hypo	sig	chr12_1500142
chr6	84767203	84767203	+	1.039E-20	2.7448E-19	0.230948	hyper	sig	chr6_84767203
chr8	54470114	54470114	+	1.041E-20	2.75124E-19	0.266584	hyper	sig	chr8_54470114
chr9	21031817	21031817	+	1.043E-20	2.75571E-19	0.296411	hyper	sig	chr9_21031817
chr8	1.04E+08	104223374	+	1.043E-20	2.75589E-19	0.202505	hyper	sig	chr8_104223374
chr6	37649056	37649056	+	1.043E-20	2.7572E-19	0.312401	hyper	sig	chr6_37649056
chr2	1.58E+08	157597598	+	1.044E-20	2.75775E-19	0.269768	hyper	sig	chr2_157597598
chr1	1.47E+08	147072576	+	1.045E-20	2.76002E-19	0.200191	hyper	sig	chr1_147072576
chr1	9652489	9652489	+	1.047E-20	2.76723E-19	0.241527	hyper	sig	chr1_9652489
chr5	33936562	33936562	+	1.051E-20	2.77709E-19	0.223413	hyper	sig	chr5_33936562

chr6	27545216	27545216	+	1.052E-20	2.7793E-19	0.217566	hyper	sig	chr6_27545216
chr22	19758683	19758683	+	1.056E-20	2.78902E-19	0.221289	hyper	sig	chr22_19758683
chr2	1.24E+08	124024684	+	1.056E-20	2.79006E-19	0.266551	hyper	sig	chr2_124024684
chr8	76681101	76681101	+	1.057E-20	2.79132E-19	0.205722	hyper	sig	chr8_76681101
chr18	79476298	79476298	+	1.058E-20	2.79337E-19	-0.20047	hypo	sig	chr18_79476298
chr15	96782495	96782495	+	1.061E-20	2.80176E-19	-0.29178	hypo	sig	chr15_96782495
chr16	86511237	86511237	+	1.061E-20	2.80319E-19	0.214559	hyper	sig	chr16_86511237
chr5	1.41E+08	140848921	+	1.064E-20	2.80961E-19	0.237478	hyper	sig	chr5_140848921
chr7	1.57E+08	157020280	+	1.065E-20	2.81355E-19	0.229176	hyper	sig	chr7_157020280
chr4	1.74E+08	173527557	+	1.065E-20	2.81365E-19	0.232771	hyper	sig	chr4_173527557
chr9	1.31E+08	130662873	+	1.066E-20	2.81394E-19	0.204843	hyper	sig	chr9_130662873
chr7	27110663	27110663	+	1.067E-20	2.81729E-19	0.214122	hyper	sig	chr7_27110663
chr16	30444989	30444989	+	1.067E-20	2.81733E-19	-0.21308	hypo	sig	chr16_30444989
chr17	76000342	76000342	+	1.068E-20	2.81925E-19	-0.23238	hypo	sig	chr17_76000342
chr2	468258	468258	+	1.072E-20	2.82932E-19	0.226229	hyper	sig	chr2_468258
chr5	16180208	16180208	+	1.072E-20	2.83068E-19	0.279588	hyper	sig	chr5_16180208
chr14	23388307	23388307	+	1.077E-20	2.84407E-19	-0.2299	hypo	sig	chr14_23388307
chr16	6483162	6483162	+	1.077E-20	2.84431E-19	0.212615	hyper	sig	chr16_6483162
chr5	1.16E+08	115961944	+	1.078E-20	2.84559E-19	0.299634	hyper	sig	chr5_115961944
chr16	3184324	3184324	+	1.08E-20	2.85033E-19	0.228315	hyper	sig	chr16_3184324
chr6	55579393	55579393	+	1.082E-20	2.85506E-19	0.219206	hyper	sig	chr6_55579393
chr14	37602064	37602064	+	1.082E-20	2.85536E-19	0.216356	hyper	sig	chr14_37602064
chr12	1.32E+08	132426470	+	1.084E-20	2.86067E-19	-0.29046	hypo	sig	chr12_132426470
chr8	64373671	64373671	+	1.085E-20	2.8629E-19	0.299981	hyper	sig	chr8_64373671
chr12	54014665	54014665	+	1.086E-20	2.86504E-19	0.233897	hyper	sig	chr12_54014665
chr18	57441593	57441593	+	1.088E-20	2.87021E-19	0.23491	hyper	sig	chr18_57441593
chr1	3112240	3112240	+	1.088E-20	2.87095E-19	-0.21795	hypo	sig	chr1_3112240
chr1	3673407	3673407	+	1.091E-20	2.87808E-19	-0.24233	hypo	sig	chr1_3673407
chr1	1287556	1287556	+	1.091E-20	2.87912E-19	-0.23581	hypo	sig	chr1_1287556
chr17	82321036	82321036	+	1.092E-20	2.88079E-19	-0.21422	hypo	sig	chr17_82321036
chr10	1.32E+08	132252510	+	1.098E-20	2.89556E-19	-0.20859	hypo	sig	chr10_132252510
chr2	2.28E+08	228181731	+	1.099E-20	2.89852E-19	0.271739	hyper	sig	chr2_228181731
chr7	1.55E+08	155465601	+	1.099E-20	2.89995E-19	0.20809	hyper	sig	chr7_155465601
chr1	75135503	75135503	+	1.101E-20	2.90528E-19	0.212535	hyper	sig	chr1_75135503
chr19	15181674	15181674	+	1.101E-20	2.90533E-19	-0.24102	hypo	sig	chr19_15181674
chr2	1.24E+08	124024686	+	1.102E-20	2.90804E-19	0.270006	hyper	sig	chr2_124024686
chr3	22372452	22372452	+	1.103E-20	2.90805E-19	0.365178	hyper	sig	chr3_22372452
chr15	74134520	74134520	+	1.103E-20	2.90842E-19	0.200855	hyper	sig	chr15_74134520
chr22	48684559	48684559	+	1.103E-20	2.90849E-19	-0.20502	hypo	sig	chr22_48684559
chr11	2188795	2188795	+	1.104E-20	2.91226E-19	-0.22918	hypo	sig	chr11_2188795
chr2	2.38E+08	238100331	+	1.104E-20	2.91255E-19	-0.28328	hypo	sig	chr2_238100331
chr12	54362806	54362806	+	1.104E-20	2.91261E-19	-0.22698	hypo	sig	chr12_54362806
chr11	20671141	20671141	+	1.105E-20	2.91316E-19	0.273255	hyper	sig	chr11_20671141
chr16	86496392	86496392	+	1.105E-20	2.91486E-19	0.207591	hyper	sig	chr16_86496392
chr16	3305113	3305113	+	1.106E-20	2.91672E-19	0.304701	hyper	sig	chr16_3305113
chr13	1.13E+08	113405378	+	1.107E-20	2.91804E-19	-0.2254	hypo	sig	chr13_113405378
chr19	58204004	58204004	+	1.107E-20	2.91912E-19	0.229283	hyper	sig	chr19_58204004
chr13	27793537	27793537	+	1.109E-20	2.9241E-19	0.25428	hyper	sig	chr13_27793537
chr19	4907041	4907041	+	1.111E-20	2.92894E-19	-0.24385	hypo	sig	chr19_4907041
chr6	36948347	36948347	+	1.111E-20	2.92924E-19	-0.27074	hypo	sig	chr6_36948347
chr17	1907240	1907240	+	1.113E-20	2.93339E-19	-0.20512	hypo	sig	chr17_1907240
chr11	73958245	73958245	+	1.115E-20	2.9382E-19	-0.26438	hypo	sig	chr11_73958245
chr17	8758693	8758693	+	1.116E-20	2.94146E-19	-0.25152	hypo	sig	chr17_8758693
chr5	1.42E+08	141512778	+	1.117E-20	2.94318E-19	0.266253	hyper	sig	chr5_141512778
chr11	1047720	1047720	+	1.117E-20	2.94362E-19	-0.20975	hypo	sig	chr11_1047720
chr11	20208348	20208348	+	1.117E-20	2.94384E-19	0.271471	hyper	sig	chr11_20208348

chr3	62377729	62377729	+	1.118E-20	2.94513E-19	0.268376	hyper	sig	chr3_62377729
chr13	78594411	78594411	+	1.12E-20	2.95185E-19	0.303529	hyper	sig	chr13_78594411
chr8	38974818	38974818	+	1.12E-20	2.95246E-19	0.240175	hyper	sig	chr8_38974818
chr6	27680833	27680833	+	1.121E-20	2.95429E-19	0.275015	hyper	sig	chr6_27680833
chr2	394570	394570	+	1.125E-20	2.96419E-19	-0.25462	hypo	sig	chr2_394570
chr12	1.33E+08	132908080	+	1.125E-20	2.96478E-19	0.250958	hyper	sig	chr12_132908080
chr2	1E+08	100106789	+	1.126E-20	2.9678E-19	-0.26402	hypo	sig	chr2_100106789
chr12	81758459	81758459	+	1.127E-20	2.96805E-19	0.291394	hyper	sig	chr12_81758459
chr5	84384363	84384363	+	1.128E-20	2.97058E-19	0.206788	hyper	sig	chr5_84384363
chr3	10764985	10764985	+	1.128E-20	2.97179E-19	-0.25312	hypo	sig	chr3_10764985
chr11	1.24E+08	123577629	+	1.129E-20	2.97357E-19	-0.26006	hypo	sig	chr11_123577629
chr3	1.47E+08	147369915	+	1.13E-20	2.97627E-19	0.229656	hyper	sig	chr3_147369915
chr12	1.27E+08	126727854	+	1.13E-20	2.97752E-19	0.240491	hyper	sig	chr12_126727854
chr16	89562989	89562989	+	1.132E-20	2.98127E-19	-0.3239	hypo	sig	chr16_89562989
chr1	12170452	12170452	+	1.132E-20	2.98163E-19	-0.21658	hypo	sig	chr1_12170452
chr19	856145	856145	+	1.133E-20	2.98297E-19	-0.23391	hypo	sig	chr19_856145
chr13	52845841	52845841	+	1.135E-20	2.9888E-19	0.206918	hyper	sig	chr13_52845841
chr8	26866429	26866429	+	1.138E-20	2.99651E-19	0.251958	hyper	sig	chr8_26866429
chr2	1.18E+08	118309942	+	1.138E-20	2.99735E-19	0.263839	hyper	sig	chr2_118309942
chr14	99792885	99792885	+	1.139E-20	2.99886E-19	0.257489	hyper	sig	chr14_99792885
chr17	948545	948545	+	1.14E-20	3.00205E-19	-0.24147	hypo	sig	chr17_948545
chr5	38259137	38259137	+	1.141E-20	3.00269E-19	0.231011	hyper	sig	chr5_38259137
chr7	1.51E+08	151392728	+	1.141E-20	3.00328E-19	-0.22932	hypo	sig	chr7_151392728
chr6	50714702	50714702	+	1.142E-20	3.00594E-19	0.221827	hyper	sig	chr6_50714702
chr5	1.79E+08	178941292	+	1.142E-20	3.00646E-19	0.262307	hyper	sig	chr5_178941292
chr17	83084950	83084950	+	1.143E-20	3.0096E-19	-0.23681	hypo	sig	chr17_83084950
chr14	36515858	36515858	+	1.144E-20	3.01049E-19	0.301678	hyper	sig	chr14_36515858
chr13	1.14E+08	114089958	+	1.144E-20	3.01094E-19	-0.2508	hypo	sig	chr13_114089958
chr10	91575334	91575334	+	1.144E-20	3.01134E-19	-0.24131	hypo	sig	chr10_91575334
chr13	27794984	27794984	+	1.145E-20	3.01312E-19	0.24732	hyper	sig	chr13_27794984
chr5	77638768	77638768	+	1.146E-20	3.01573E-19	0.252723	hyper	sig	chr5_77638768
chr9	1.31E+08	131308158	+	1.147E-20	3.01834E-19	-0.20612	hypo	sig	chr9_131308158
chr16	30352421	30352421	+	1.148E-20	3.02074E-19	-0.28611	hypo	sig	chr16_30352421
chr5	73444741	73444741	+	1.151E-20	3.02855E-19	0.200538	hyper	sig	chr5_73444741
chr6	1.69E+08	168957240	+	1.153E-20	3.03244E-19	-0.28834	hypo	sig	chr6_168957240
chr12	53945044	53945044	+	1.154E-20	3.03747E-19	0.203694	hyper	sig	chr12_53945044
chr16	29156545	29156545	+	1.155E-20	3.03851E-19	-0.24616	hypo	sig	chr16_29156545
chr12	1840337	1840337	+	1.159E-20	3.04829E-19	-0.31195	hypo	sig	chr12_1840337
chr19	45472958	45472958	+	1.161E-20	3.05538E-19	0.333321	hyper	sig	chr19_45472958
chr4	782716	782716	+	1.163E-20	3.05964E-19	-0.20571	hypo	sig	chr4_782716
chr1	2.29E+08	229432657	+	1.165E-20	3.06508E-19	0.274976	hyper	sig	chr1_229432657
chr5	55223248	55223248	+	1.17E-20	3.0762E-19	0.28389	hyper	sig	chr5_55223248
chr4	1.44E+08	143912309	+	1.171E-20	3.07855E-19	0.321141	hyper	sig	chr4_143912309
chr1	981841	981841	+	1.171E-20	3.07879E-19	-0.2488	hypo	sig	chr1_981841
chr14	97219501	97219501	+	1.171E-20	3.07916E-19	0.260897	hyper	sig	chr14_97219501
chr7	2665570	2665570	+	1.172E-20	3.08071E-19	-0.24879	hypo	sig	chr7_2665570
chr12	49091204	49091204	+	1.173E-20	3.08328E-19	0.233907	hyper	sig	chr12_49091204
chr8	40834739	40834739	+	1.173E-20	3.08518E-19	-0.26929	hypo	sig	chr8_40834739
chr10	11742461	11742461	+	1.174E-20	3.0875E-19	0.22379	hyper	sig	chr10_11742461
chr4	1.9E+08	190017275	+	1.177E-20	3.09557E-19	0.315634	hyper	sig	chr4_190017275
chr7	1.58E+08	157795828	+	1.178E-20	3.09607E-19	-0.20754	hypo	sig	chr7_157795828
chr19	48837285	48837285	+	1.179E-20	3.10062E-19	0.25593	hyper	sig	chr19_48837285
chr19	10422343	10422343	+	1.181E-20	3.10528E-19	-0.23068	hypo	sig	chr19_10422343
chr7	97013491	97013491	+	1.182E-20	3.10581E-19	0.218066	hyper	sig	chr7_97013491
chr1	35577459	35577459	+	1.182E-20	3.10602E-19	0.221613	hyper	sig	chr1_35577459
chr4	785442	785442	+	1.182E-20	3.10672E-19	0.215395	hyper	sig	chr4_785442

chr19	57583696	57583696	+	1.182E-20	3.10739E-19	0.318932	hyper	sig	chr19_57583696
chr14	1.05E+08	104605030	+	1.184E-20	3.11244E-19	0.245751	hyper	sig	chr14_104605030
chr19	48491673	48491673	+	1.186E-20	3.11602E-19	0.217594	hyper	sig	chr19_48491673
chr8	26049828	26049828	+	1.186E-20	3.11602E-19	0.213894	hyper	sig	chr8_26049828
chr11	32428573	32428573	+	1.187E-20	3.11882E-19	0.252937	hyper	sig	chr11_32428573
chr2	50347541	50347541	+	1.188E-20	3.12126E-19	0.222694	hyper	sig	chr2_50347541
chr3	44022344	44022344	+	1.191E-20	3.13016E-19	0.211136	hyper	sig	chr3_44022344
chr5	1.41E+08	141235976	+	1.191E-20	3.13054E-19	0.260896	hyper	sig	chr5_141235976
chr16	86513092	86513092	+	1.194E-20	3.13591E-19	0.23393	hyper	sig	chr16_86513092
chr11	32434232	32434232	+	1.194E-20	3.13621E-19	0.247038	hyper	sig	chr11_32434232
chr12	54054971	54054971	+	1.195E-20	3.14069E-19	0.277493	hyper	sig	chr12_54054971
chr10	1.33E+08	133020554	+	1.196E-20	3.14101E-19	-0.21838	hypo	sig	chr10_133020554
chr4	624698	624698	+	1.197E-20	3.14457E-19	-0.20579	hypo	sig	chr4_624698
chr6	10883633	10883633	+	1.198E-20	3.14675E-19	0.272318	hyper	sig	chr6_10883633
chr12	57628196	57628196	+	1.198E-20	3.14734E-19	0.219968	hyper	sig	chr12_57628196
chr3	27724505	27724505	+	1.2E-20	3.1519E-19	0.342017	hyper	sig	chr3_27724505
chr9	1.27E+08	126610229	+	1.2E-20	3.15197E-19	0.226394	hyper	sig	chr9_126610229
chr1	1.19E+08	119008351	+	1.2E-20	3.15253E-19	0.269048	hyper	sig	chr1_119008351
chr7	96997878	96997878	+	1.2E-20	3.15294E-19	0.215194	hyper	sig	chr7_96997878
chr3	13041381	13041381	+	1.201E-20	3.15345E-19	-0.22931	hypo	sig	chr3_13041381
chr21	43720966	43720966	+	1.202E-20	3.15592E-19	-0.21301	hypo	sig	chr21_43720966
chr2	1.32E+08	131647022	+	1.202E-20	3.15646E-19	0.278968	hyper	sig	chr2_131647022
chr18	52341949	52341949	+	1.202E-20	3.15758E-19	0.20403	hyper	sig	chr18_52341949
chr20	48385006	48385006	+	1.205E-20	3.16454E-19	0.204864	hyper	sig	chr20_48385006
chr5	1.41E+08	141189538	+	1.209E-20	3.17485E-19	0.208359	hyper	sig	chr5_141189538
chr11	72616128	72616128	+	1.21E-20	3.1759E-19	-0.28349	hypo	sig	chr11_72616128
chr12	53982235	53982235	+	1.212E-20	3.1829E-19	0.218637	hyper	sig	chr12_53982235
chr8	64379716	64379716	+	1.213E-20	3.18338E-19	0.248023	hyper	sig	chr8_64379716
chr10	1212059	1212059	+	1.219E-20	3.19922E-19	-0.28303	hypo	sig	chr10_1212059
chr4	1.85E+08	185021521	+	1.223E-20	3.20913E-19	0.206183	hyper	sig	chr4_185021521
chr16	1266542	1266542	+	1.224E-20	3.21369E-19	-0.22823	hypo	sig	chr16_1266542
chr19	18008182	18008182	+	1.225E-20	3.2158E-19	0.208793	hyper	sig	chr19_18008182
chr5	76716804	76716804	+	1.227E-20	3.21957E-19	0.262736	hyper	sig	chr5_76716804
chr1	2252002	2252002	+	1.229E-20	3.22413E-19	-0.22102	hypo	sig	chr1_2252002
chr8	890221	890221	+	1.229E-20	3.22438E-19	-0.22943	hypo	sig	chr8_890221
chr14	93431043	93431043	+	1.231E-20	3.2306E-19	0.237177	hyper	sig	chr14_93431043
chr7	1.58E+08	157768992	+	1.233E-20	3.23464E-19	-0.23192	hypo	sig	chr7_157768992
chr13	1.13E+08	112892082	+	1.235E-20	3.23955E-19	-0.26038	hypo	sig	chr13_112892082
chr4	1.13E+08	112520637	+	1.235E-20	3.24033E-19	0.257694	hyper	sig	chr4_112520637
chr6	28816987	28816987	+	1.236E-20	3.24186E-19	0.3549	hyper	sig	chr6_28816987
chr11	7252976	7252976	+	1.237E-20	3.24515E-19	0.254459	hyper	sig	chr11_7252976
chr6	1.7E+08	170257388	+	1.239E-20	3.2492E-19	-0.2114	hypo	sig	chr6_170257388
chr16	555265	555265	+	1.24E-20	3.25159E-19	-0.23555	hypo	sig	chr16_555265
chr6	32082494	32082494	+	1.241E-20	3.25414E-19	-0.27577	hypo	sig	chr6_32082494
chr4	84503150	84503150	+	1.241E-20	3.25433E-19	0.229079	hyper	sig	chr4_84503150
chr15	28832526	28832526	+	1.241E-20	3.25477E-19	0.225755	hyper	sig	chr15_28832526
chr3	26622837	26622837	+	1.241E-20	3.255E-19	0.260342	hyper	sig	chr3_26622837
chr1	90835952	90835952	+	1.245E-20	3.26454E-19	0.29626	hyper	sig	chr1_90835952
chr17	76264580	76264580	+	1.247E-20	3.27043E-19	-0.23814	hypo	sig	chr17_76264580
chr3	68007787	68007787	+	1.248E-20	3.27345E-19	0.290825	hyper	sig	chr3_68007787
chr5	1.81E+08	180644816	+	1.248E-20	3.27345E-19	-0.20206	hypo	sig	chr5_180644816
chr4	3683029	3683029	+	1.255E-20	3.2911E-19	-0.23486	hypo	sig	chr4_3683029
chr6	29828096	29828096	+	1.26E-20	3.30439E-19	0.23832	hyper	sig	chr6_29828096
chr19	2422174	2422174	+	1.261E-20	3.30631E-19	-0.23626	hypo	sig	chr19_2422174
chr6	84763453	84763453	+	1.265E-20	3.31779E-19	0.319365	hyper	sig	chr6_84763453
chr1	2.2E+08	220275181	+	1.265E-20	3.31792E-19	-0.32034	hypo	sig	chr1_220275181

chr7	1.34E+08	134458250	+	1.268E-20	3.32337E-19	0.300689	hyper	sig	chr7_134458250
chr12	24903243	24903243	+	1.268E-20	3.32414E-19	0.270535	hyper	sig	chr12_24903243
chr5	1.73E+08	173244523	+	1.269E-20	3.32605E-19	0.237112	hyper	sig	chr5_173244523
chr3	1.73E+08	173141190	+	1.271E-20	3.33184E-19	-0.21878	hypo	sig	chr3_173141190
chr3	13526712	13526712	+	1.272E-20	3.33486E-19	-0.24734	hypo	sig	chr3_13526712
chr10	1150752	1150752	+	1.273E-20	3.33575E-19	0.211034	hyper	sig	chr10_1150752
chr16	30821236	30821236	+	1.275E-20	3.34269E-19	-0.25783	hypo	sig	chr16_30821236
chr9	1.37E+08	136744065	+	1.278E-20	3.34932E-19	-0.2178	hypo	sig	chr9_136744065
chr13	20301651	20301651	+	1.279E-20	3.35087E-19	0.313237	hyper	sig	chr13_20301651
chr1	8343683	8343683	+	1.279E-20	3.35094E-19	-0.20093	hypo	sig	chr1_8343683
chr7	4810746	4810746	+	1.279E-20	3.35258E-19	-0.27181	hypo	sig	chr7_4810746
chr6	1E+08	100463811	+	1.281E-20	3.35652E-19	0.20411	hyper	sig	chr6_100463811
chr22	45924196	45924196	+	1.283E-20	3.36274E-19	-0.24419	hypo	sig	chr22_45924196
chr5	1.57E+08	157463391	+	1.284E-20	3.36317E-19	-0.23584	hypo	sig	chr5_157463391
chr12	29783120	29783120	+	1.284E-20	3.36458E-19	0.320426	hyper	sig	chr12_29783120
chr5	5140827	5140827	+	1.285E-20	3.36705E-19	0.261358	hyper	sig	chr5_5140827
chr7	96997884	96997884	+	1.29E-20	3.3793E-19	0.211219	hyper	sig	chr7_96997884
chr4	1.75E+08	175428677	+	1.293E-20	3.38612E-19	-0.30876	hypo	sig	chr4_175428677
chr3	1.2E+08	119810220	+	1.293E-20	3.38651E-19	0.300738	hyper	sig	chr3_119810220
chr19	7702393	7702393	+	1.295E-20	3.39147E-19	-0.21163	hypo	sig	chr19_7702393
chr9	1.1E+08	109640602	+	1.305E-20	3.41729E-19	0.303031	hyper	sig	chr9_109640602
chr12	1.14E+08	114396032	+	1.31E-20	3.43033E-19	0.215597	hyper	sig	chr12_114396032
chr19	1116118	1116118	+	1.31E-20	3.43164E-19	-0.23052	hypo	sig	chr19_1116118
chr5	3599599	3599599	+	1.31E-20	3.43164E-19	0.269229	hyper	sig	chr5_3599599
chr16	86507872	86507872	+	1.311E-20	3.43307E-19	0.22403	hyper	sig	chr16_86507872
chr2	2.42E+08	241843356	+	1.312E-20	3.43575E-19	-0.25328	hypo	sig	chr2_241843356
chr2	2.38E+08	238128870	+	1.318E-20	3.45017E-19	-0.21478	hypo	sig	chr2_238128870
chr3	1.8E+08	180036413	+	1.323E-20	3.4643E-19	0.308046	hyper	sig	chr3_180036413
chr8	11709700	11709700	+	1.323E-20	3.46486E-19	0.250391	hyper	sig	chr8_11709700
chr4	4862593	4862593	+	1.328E-20	3.47596E-19	0.202281	hyper	sig	chr4_4862593
chr16	51150975	51150975	+	1.329E-20	3.47979E-19	0.322973	hyper	sig	chr16_51150975
chr8	64378985	64378985	+	1.329E-20	3.48034E-19	0.269729	hyper	sig	chr8_64378985
chr11	2301511	2301511	+	1.331E-20	3.48462E-19	-0.22614	hypo	sig	chr11_2301511
chr11	69819805	69819805	+	1.334E-20	3.49221E-19	0.206213	hyper	sig	chr11_69819805
chr14	1.01E+08	101040195	+	1.337E-20	3.49986E-19	-0.26334	hypo	sig	chr14_101040195
chr4	6663958	6663958	+	1.337E-20	3.50008E-19	0.297177	hyper	sig	chr4_6663958
chr17	20613640	20613640	+	1.339E-20	3.50361E-19	-0.20034	hypo	sig	chr17_20613640
chr19	46412335	46412335	+	1.341E-20	3.50866E-19	0.206907	hyper	sig	chr19_46412335
chr12	52007769	52007769	+	1.342E-20	3.51257E-19	0.215178	hyper	sig	chr12_52007769
chr9	1.1E+08	109535291	+	1.343E-20	3.51419E-19	-0.27474	hypo	sig	chr9_109535291
chr3	27730313	27730313	+	1.343E-20	3.51565E-19	0.22965	hyper	sig	chr3_27730313
chr18	6928879	6928879	+	1.345E-20	3.51869E-19	-0.26389	hypo	sig	chr18_6928879
chr1	1.61E+08	160813391	+	1.345E-20	3.51986E-19	-0.28729	hypo	sig	chr1_160813391
chr12	1.32E+08	132474525	+	1.349E-20	3.52954E-19	-0.30306	hypo	sig	chr12_132474525
chr2	31231742	31231742	+	1.349E-20	3.52996E-19	-0.24701	hypo	sig	chr2_31231742
chr17	21452808	21452808	+	1.35E-20	3.5322E-19	0.21773	hyper	sig	chr17_21452808
chr12	29783192	29783192	+	1.352E-20	3.53771E-19	0.269453	hyper	sig	chr12_29783192
chr20	38805588	38805588	+	1.353E-20	3.53943E-19	0.237076	hyper	sig	chr20_38805588
chr1	2327870	2327870	+	1.353E-20	3.54008E-19	-0.25039	hypo	sig	chr1_2327870
chr8	1.43E+08	143417796	+	1.356E-20	3.54756E-19	-0.23938	hypo	sig	chr8_143417796
chr5	2739002	2739002	+	1.357E-20	3.54911E-19	0.224237	hyper	sig	chr5_2739002
chr17	82358970	82358970	+	1.36E-20	3.55671E-19	-0.21608	hypo	sig	chr17_82358970
chr4	4872273	4872273	+	1.36E-20	3.55753E-19	0.24158	hyper	sig	chr4_4872273
chr9	77019945	77019945	+	1.361E-20	3.55888E-19	0.229783	hyper	sig	chr9_77019945
chr11	1085361	1085361	+	1.361E-20	3.56017E-19	-0.23528	hypo	sig	chr11_1085361
chr17	82876316	82876316	+	1.362E-20	3.56097E-19	-0.20122	hypo	sig	chr17_82876316

chr12	4909055	4909055	+	1.365E-20	3.56849E-19	0.22199	hyper	sig	chr12_4909055
chr17	44967350	44967350	+	1.365E-20	3.56849E-19	0.252988	hyper	sig	chr17_44967350
chr11	1025990	1025990	+	1.37E-20	3.58157E-19	-0.22882	hypo	sig	chr11_1025990
chr6	1.17E+08	117263455	+	1.373E-20	3.58906E-19	0.242538	hyper	sig	chr6_117263455
chr14	1.03E+08	103282018	+	1.373E-20	3.59092E-19	-0.27442	hypo	sig	chr14_103282018
chr1	1434309	1434309	+	1.375E-20	3.59534E-19	-0.28237	hypo	sig	chr1_1434309
chr16	84053533	84053533	+	1.376E-20	3.5981E-19	-0.23744	hypo	sig	chr16_84053533
chr15	93067551	93067551	+	1.381E-20	3.61024E-19	-0.29625	hypo	sig	chr15_93067551
chr15	37098080	37098080	+	1.381E-20	3.6105E-19	0.274476	hyper	sig	chr15_37098080
chr5	932745	932745	+	1.382E-20	3.61199E-19	-0.25187	hypo	sig	chr5_932745
chr16	3175063	3175063	+	1.382E-20	3.61235E-19	0.216892	hyper	sig	chr16_3175063
chr2	44928057	44928057	+	1.384E-20	3.61698E-19	0.207937	hyper	sig	chr2_44928057
chr20	61925604	61925604	+	1.384E-20	3.61731E-19	-0.28643	hypo	sig	chr20_61925604
chr13	1.14E+08	114089969	+	1.386E-20	3.6223E-19	-0.24187	hypo	sig	chr13_114089969
chr2	2.4E+08	239805575	+	1.387E-20	3.62518E-19	-0.26011	hypo	sig	chr2_239805575
chr10	1.23E+08	123143834	+	1.388E-20	3.62642E-19	0.245437	hyper	sig	chr10_123143834
chr15	52789101	52789101	+	1.389E-20	3.6302E-19	0.253486	hyper	sig	chr15_52789101
chr6	50707888	50707888	+	1.39E-20	3.63287E-19	0.20774	hyper	sig	chr6_50707888
chr5	1.41E+08	141189544	+	1.393E-20	3.63911E-19	0.220691	hyper	sig	chr5_141189544
chr19	36418748	36418748	+	1.393E-20	3.63978E-19	0.216483	hyper	sig	chr19_36418748
chr20	671659	671659	+	1.394E-20	3.64069E-19	-0.23061	hypo	sig	chr20_671659
chr6	1.66E+08	166170035	+	1.395E-20	3.64435E-19	0.301894	hyper	sig	chr6_166170035
chr1	84619630	84619630	+	1.398E-20	3.65246E-19	-0.26815	hypo	sig	chr1_84619630
chr7	1.28E+08	127598484	+	1.399E-20	3.65389E-19	-0.22904	hypo	sig	chr7_127598484
chr8	1.41E+08	141440164	+	1.4E-20	3.65555E-19	-0.22181	hypo	sig	chr8_141440164
chr2	2.32E+08	231528420	+	1.4E-20	3.65694E-19	-0.23045	hypo	sig	chr2_231528420
chr11	1043889	1043889	+	1.402E-20	3.6609E-19	-0.21136	hypo	sig	chr11_1043889
chr15	52791304	52791304	+	1.403E-20	3.66535E-19	0.218709	hyper	sig	chr15_52791304
chr15	92583850	92583850	+	1.405E-20	3.66982E-19	-0.25129	hypo	sig	chr15_92583850
chr16	87667419	87667419	+	1.406E-20	3.67208E-19	-0.24588	hypo	sig	chr16_87667419
chr10	5646584	5646584	+	1.407E-20	3.6748E-19	-0.23274	hypo	sig	chr10_5646584
chr2	10331348	10331348	+	1.409E-20	3.67786E-19	-0.30591	hypo	sig	chr2_10331348
chr15	52795470	52795470	+	1.41E-20	3.68119E-19	0.252153	hyper	sig	chr15_52795470
chr13	1.14E+08	114005098	+	1.41E-20	3.68211E-19	-0.26648	hypo	sig	chr13_114005098
chr19	57935091	57935091	+	1.411E-20	3.6845E-19	0.287666	hyper	sig	chr19_57935091
chr12	1.3E+08	130473821	+	1.412E-20	3.68595E-19	-0.22454	hypo	sig	chr12_130473821
chr10	1.28E+08	128214672	+	1.414E-20	3.69194E-19	-0.2446	hypo	sig	chr10_128214672
chr15	1.01E+08	101009031	+	1.424E-20	3.71689E-19	-0.23467	hypo	sig	chr15_101009031
chr1	1007284	1007284	+	1.425E-20	3.71769E-19	-0.21221	hypo	sig	chr1_1007284
chr4	1.37E+08	136810970	+	1.425E-20	3.71879E-19	-0.28313	hypo	sig	chr4_136810970
chr12	1.19E+08	118980999	+	1.426E-20	3.72166E-19	0.28678	hyper	sig	chr12_118980999
chr11	32434278	32434278	+	1.429E-20	3.72926E-19	0.291532	hyper	sig	chr11_32434278
chr6	1.7E+08	170134462	+	1.43E-20	3.7306E-19	-0.20336	hypo	sig	chr6_170134462
chr7	2606802	2606802	+	1.43E-20	3.73188E-19	-0.23753	hypo	sig	chr7_2606802
chr14	36659364	36659364	+	1.431E-20	3.73233E-19	0.23183	hyper	sig	chr14_36659364
chr8	96159406	96159406	+	1.433E-20	3.73918E-19	0.264001	hyper	sig	chr8_96159406
chr9	971819	971819	+	1.433E-20	3.73932E-19	0.314088	hyper	sig	chr9_971819
chr17	82876437	82876437	+	1.437E-20	3.74915E-19	-0.31034	hypo	sig	chr17_82876437
chr10	1.32E+08	132132387	+	1.439E-20	3.75268E-19	-0.32979	hypo	sig	chr10_132132387
chr15	52794871	52794871	+	1.439E-20	3.75468E-19	0.24271	hyper	sig	chr15_52794871
chr3	1.2E+08	119810235	+	1.445E-20	3.7687E-19	0.285371	hyper	sig	chr3_119810235
chr3	1.58E+08	158102734	+	1.445E-20	3.77014E-19	0.259706	hyper	sig	chr3_158102734
chr10	1.34E+08	133560298	+	1.446E-20	3.77139E-19	-0.23488	hypo	sig	chr10_133560298
chr11	32428596	32428596	+	1.447E-20	3.77436E-19	0.241591	hyper	sig	chr11_32428596
chr5	31855312	31855312	+	1.448E-20	3.77687E-19	0.208601	hyper	sig	chr5_31855312
chr3	72100192	72100192	+	1.453E-20	3.78895E-19	0.244944	hyper	sig	chr3_72100192

chr1	2.08E+08	207669892	+	1.454E-20	3.79111E-19	0.20072	hyper	sig	chr1_207669892
chr20	63182063	63182063	+	1.457E-20	3.79894E-19	-0.24343	hypo	sig	chr20_63182063
chr17	82389045	82389045	+	1.459E-20	3.80385E-19	-0.20282	hypo	sig	chr17_82389045
chr16	55328905	55328905	+	1.46E-20	3.80585E-19	0.309358	hyper	sig	chr16_55328905
chr19	35358534	35358534	+	1.464E-20	3.81796E-19	-0.22079	hypo	sig	chr19_35358534
chr1	2339803	2339803	+	1.465E-20	3.82001E-19	-0.23117	hypo	sig	chr1_2339803
chr11	1.12E+08	111514978	+	1.467E-20	3.82475E-19	0.218565	hyper	sig	chr11_111514978
chr7	63790682	63790682	+	1.467E-20	3.82502E-19	0.21188	hyper	sig	chr7_63790682
chr19	57527839	57527839	+	1.47E-20	3.83106E-19	0.294042	hyper	sig	chr19_57527839
chr10	23173237	23173237	+	1.471E-20	3.83415E-19	0.231158	hyper	sig	chr10_23173237
chr15	45378790	45378790	+	1.473E-20	3.84039E-19	0.23792	hyper	sig	chr15_45378790
chr12	1795333	1795333	+	1.476E-20	3.8463E-19	-0.2658	hypo	sig	chr12_1795333
chr9	1.38E+08	137873827	+	1.478E-20	3.85353E-19	-0.26057	hypo	sig	chr9_137873827
chr16	87381592	87381592	+	1.481E-20	3.86057E-19	-0.29825	hypo	sig	chr16_87381592
chr7	1.5E+08	149501956	+	1.484E-20	3.86683E-19	-0.3291	hypo	sig	chr7_149501956
chr11	75717900	75717900	+	1.487E-20	3.87576E-19	-0.22226	hypo	sig	chr11_75717900
chr17	36943674	36943674	+	1.488E-20	3.8784E-19	0.223143	hyper	sig	chr17_36943674
chr16	88816758	88816758	+	1.493E-20	3.89133E-19	-0.23611	hypo	sig	chr16_88816758
chr2	1.32E+08	131647038	+	1.493E-20	3.89181E-19	0.290242	hyper	sig	chr2_131647038
chr19	51328039	51328039	+	1.495E-20	3.89438E-19	0.290877	hyper	sig	chr19_51328039
chr6	27772347	27772347	+	1.495E-20	3.89654E-19	-0.22141	hypo	sig	chr6_27772347
chr5	1.41E+08	140882060	+	1.496E-20	3.89753E-19	0.25717	hyper	sig	chr5_140882060
chr19	16283746	16283746	+	1.496E-20	3.89856E-19	0.241602	hyper	sig	chr19_16283746
chr16	23836214	23836214	+	1.498E-20	3.90177E-19	0.222239	hyper	sig	chr16_23836214
chr1	10903875	10903875	+	1.498E-20	3.90223E-19	-0.21241	hypo	sig	chr1_10903875
chr1	1.67E+08	166989071	+	1.498E-20	3.90287E-19	-0.24493	hypo	sig	chr1_166989071
chr17	21737102	21737102	+	1.498E-20	3.90287E-19	-0.29782	hypo	sig	chr17_21737102
chr4	13537200	13537200	+	1.499E-20	3.90583E-19	0.209136	hyper	sig	chr4_13537200
chr17	48734126	48734126	+	1.5E-20	3.90734E-19	0.214619	hyper	sig	chr17_48734126
chr21	32585536	32585536	+	1.5E-20	3.90756E-19	-0.26744	hypo	sig	chr21_32585536
chr2	48753466	48753466	+	1.503E-20	3.9161E-19	-0.24151	hypo	sig	chr2_48753466
chr15	73321579	73321579	+	1.505E-20	3.92002E-19	-0.27884	hypo	sig	chr15_73321579
chr14	93924891	93924891	+	1.505E-20	3.92134E-19	-0.23823	hypo	sig	chr14_93924891
chr11	1.25E+08	124618932	+	1.506E-20	3.92317E-19	-0.29801	hypo	sig	chr11_124618932
chr10	23173374	23173374	+	1.507E-20	3.92373E-19	0.287543	hyper	sig	chr10_23173374
chr20	62563949	62563949	+	1.507E-20	3.92438E-19	-0.23013	hypo	sig	chr20_62563949
chr1	3673392	3673392	+	1.508E-20	3.92788E-19	-0.23874	hypo	sig	chr1_3673392
chr16	51153703	51153703	+	1.509E-20	3.93062E-19	0.268395	hyper	sig	chr16_51153703
chr22	50447124	50447124	+	1.51E-20	3.93316E-19	-0.22566	hypo	sig	chr22_50447124
chr21	42309486	42309486	+	1.513E-20	3.93873E-19	-0.23664	hypo	sig	chr21_42309486
chr2	1.31E+08	131040129	+	1.513E-20	3.93894E-19	0.230939	hyper	sig	chr2_131040129
chr11	7252992	7252992	+	1.513E-20	3.94008E-19	0.241068	hyper	sig	chr11_7252992
chr2	2.22E+08	222303768	+	1.513E-20	3.94008E-19	0.236584	hyper	sig	chr2_222303768
chr8	67956284	67956284	+	1.514E-20	3.94276E-19	-0.31519	hypo	sig	chr8_67956284
chr7	1.55E+08	154748615	+	1.517E-20	3.94937E-19	-0.25334	hypo	sig	chr7_154748615
chr3	1.49E+08	148698232	+	1.518E-20	3.95115E-19	0.247439	hyper	sig	chr3_148698232
chr11	1449148	1449148	+	1.518E-20	3.953E-19	-0.2635	hypo	sig	chr11_1449148
chr10	23173376	23173376	+	1.52E-20	3.95748E-19	0.299045	hyper	sig	chr10_23173376
chr7	1.57E+08	157020299	+	1.521E-20	3.96019E-19	0.208446	hyper	sig	chr7_157020299
chr19	36418756	36418756	+	1.522E-20	3.96087E-19	0.214875	hyper	sig	chr19_36418756
chr1	2.28E+08	227792336	+	1.522E-20	3.96216E-19	-0.27313	hypo	sig	chr1_227792336
chr2	40451551	40451551	+	1.523E-20	3.96463E-19	0.20934	hyper	sig	chr2_40451551
chr2	63053900	63053900	+	1.524E-20	3.96564E-19	0.204053	hyper	sig	chr2_63053900
chr4	1.04E+08	103719282	+	1.524E-20	3.96739E-19	0.256954	hyper	sig	chr4_103719282
chr2	1.32E+08	131830074	+	1.524E-20	3.96753E-19	0.252695	hyper	sig	chr2_131830074
chr12	1.13E+08	113476206	+	1.526E-20	3.97104E-19	0.228977	hyper	sig	chr12_113476206

chr19	20078322	20078322	+	1.528E-20	3.97662E-19	0.223192	hyper	sig	chr19_20078322
chr12	6125147	6125147	+	1.532E-20	3.98652E-19	-0.22988	hypo	sig	chr12_6125147
chr12	57478664	57478664	+	1.532E-20	3.98698E-19	-0.25301	hypo	sig	chr12_57478664
chr1	12210718	12210718	+	1.533E-20	3.98961E-19	-0.31978	hypo	sig	chr1_12210718
chr3	28575176	28575176	+	1.537E-20	3.99877E-19	0.315918	hyper	sig	chr3_28575176
chr18	78515481	78515481	+	1.538E-20	4.00114E-19	-0.254	hypo	sig	chr18_78515481
chr1	1.21E+08	121009656	+	1.541E-20	4.00916E-19	0.275888	hyper	sig	chr1_121009656
chr2	2.39E+08	239275043	+	1.542E-20	4.01193E-19	-0.2973	hypo	sig	chr2_239275043
chr16	561392	561392	+	1.544E-20	4.01555E-19	-0.23901	hypo	sig	chr16_561392
chr4	7129458	7129458	+	1.544E-20	4.01669E-19	-0.21617	hypo	sig	chr4_7129458
chr11	2184814	2184814	+	1.546E-20	4.02082E-19	-0.24572	hypo	sig	chr11_2184814
chr17	78041142	78041142	+	1.549E-20	4.02806E-19	-0.25242	hypo	sig	chr17_78041142
chr8	52939810	52939810	+	1.551E-20	4.0331E-19	0.300659	hyper	sig	chr8_52939810
chr10	23172662	23172662	+	1.551E-20	4.03403E-19	0.246406	hyper	sig	chr10_23172662
chr12	52233520	52233520	+	1.551E-20	4.03423E-19	0.270803	hyper	sig	chr12_52233520
chr15	65356489	65356489	+	1.551E-20	4.03453E-19	-0.25185	hypo	sig	chr15_65356489
chr7	194844	194844	+	1.553E-20	4.0381E-19	0.20504	hyper	sig	chr7_194844
chr3	27729904	27729904	+	1.553E-20	4.03813E-19	0.265509	hyper	sig	chr3_27729904
chr10	69569348	69569348	+	1.555E-20	4.0431E-19	0.333477	hyper	sig	chr10_69569348
chr17	81126268	81126268	+	1.559E-20	4.05243E-19	-0.23538	hypo	sig	chr17_81126268
chr16	30821238	30821238	+	1.56E-20	4.05487E-19	-0.25992	hypo	sig	chr16_30821238
chr13	36432066	36432066	+	1.563E-20	4.06374E-19	0.279093	hyper	sig	chr13_36432066
chr1	3091469	3091469	+	1.569E-20	4.0795E-19	-0.23681	hypo	sig	chr1_3091469
chr17	81153582	81153582	+	1.569E-20	4.0795E-19	-0.21767	hypo	sig	chr17_81153582
chr2	2.42E+08	241988152	+	1.571E-20	4.08427E-19	-0.2022	hypo	sig	chr2_241988152
chr14	1.04E+08	104304208	+	1.572E-20	4.08511E-19	-0.21394	hypo	sig	chr14_104304208
chr19	56368026	56368026	+	1.572E-20	4.08584E-19	0.2729	hyper	sig	chr19_56368026
chr16	89608180	89608180	+	1.576E-20	4.09593E-19	-0.22894	hypo	sig	chr16_89608180
chr7	3181601	3181601	+	1.577E-20	4.0976E-19	-0.21544	hypo	sig	chr7_3181601
chr5	1.59E+08	159105287	+	1.577E-20	4.0991E-19	0.221634	hyper	sig	chr5_159105287
chr7	1.3E+08	130491068	+	1.577E-20	4.09928E-19	0.250069	hyper	sig	chr7_130491068
chr7	2607171	2607171	+	1.578E-20	4.09977E-19	-0.24012	hypo	sig	chr7_2607171
chr12	34385828	34385828	+	1.578E-20	4.10063E-19	-0.26899	hypo	sig	chr12_34385828
chr18	47249205	47249205	+	1.58E-20	4.10438E-19	0.279536	hyper	sig	chr18_47249205
chr12	5043888	5043888	+	1.581E-20	4.10696E-19	0.377088	hyper	sig	chr12_5043888
chr16	88416402	88416402	+	1.587E-20	4.12338E-19	-0.26456	hypo	sig	chr16_88416402
chr16	10182719	10182719	+	1.588E-20	4.12483E-19	0.220743	hyper	sig	chr16_10182719
chr12	98455591	98455591	+	1.593E-20	4.13771E-19	-0.23529	hypo	sig	chr12_98455591
chr5	1.46E+08	145836204	+	1.593E-20	4.13771E-19	-0.24736	hypo	sig	chr5_145836204
chr20	46030310	46030310	+	1.593E-20	4.13795E-19	0.321438	hyper	sig	chr20_46030310
chr4	1.47E+08	146647563	+	1.594E-20	4.14024E-19	0.322421	hyper	sig	chr4_146647563
chr11	8169098	8169098	+	1.596E-20	4.14494E-19	0.2141	hyper	sig	chr11_8169098
chr2	86789106	86789106	+	1.597E-20	4.14833E-19	0.225971	hyper	sig	chr2_86789106
chr5	140162	140162	+	1.598E-20	4.14968E-19	-0.29412	hypo	sig	chr5_140162
chr17	45835146	45835146	+	1.598E-20	4.15162E-19	-0.22772	hypo	sig	chr17_45835146
chr20	58514905	58514905	+	1.6E-20	4.15665E-19	0.254372	hyper	sig	chr20_58514905
chr6	29828090	29828090	+	1.602E-20	4.16081E-19	0.232725	hyper	sig	chr6_29828090
chr12	64390703	64390703	+	1.607E-20	4.17231E-19	0.229333	hyper	sig	chr12_64390703
chr8	64575633	64575633	+	1.608E-20	4.17685E-19	0.217428	hyper	sig	chr8_64575633
chr6	27680342	27680342	+	1.614E-20	4.19138E-19	0.290862	hyper	sig	chr6_27680342
chr7	1.56E+08	156177472	+	1.616E-20	4.19566E-19	-0.21723	hypo	sig	chr7_156177472
chr6	1.05E+08	104953054	+	1.617E-20	4.19929E-19	0.238683	hyper	sig	chr6_104953054
chr12	45050027	45050027	+	1.619E-20	4.20334E-19	0.223043	hyper	sig	chr12_45050027
chr20	62774206	62774206	+	1.623E-20	4.21311E-19	-0.29946	hypo	sig	chr20_62774206
chr7	1.49E+08	149415193	+	1.625E-20	4.21787E-19	0.29246	hyper	sig	chr7_149415193
chr13	27793114	27793114	+	1.625E-20	4.21834E-19	0.361724	hyper	sig	chr13_27793114

chr2	2.32E+08	231528392	+	1.626E-20	4.22075E-19	-0.24117	hypo	sig	chr2_231528392
chr7	988447	988447	+	1.63E-20	4.23197E-19	-0.25982	hypo	sig	chr7_988447
chr8	1.42E+08	142173399	+	1.631E-20	4.23368E-19	-0.21157	hypo	sig	chr8_142173399
chr8	85438403	85438403	+	1.631E-20	4.23393E-19	0.263437	hyper	sig	chr8_85438403
chr3	44021829	44021829	+	1.632E-20	4.23595E-19	0.207709	hyper	sig	chr3_44021829
chr19	58581245	58581245	+	1.636E-20	4.24533E-19	0.215069	hyper	sig	chr19_58581245
chr2	1.92E+08	191885919	+	1.639E-20	4.25435E-19	-0.2461	hypo	sig	chr2_191885919
chr8	1.43E+08	142911315	+	1.64E-20	4.25522E-19	-0.24818	hypo	sig	chr8_142911315
chr6	50845969	50845969	+	1.642E-20	4.25956E-19	0.266629	hyper	sig	chr6_50845969
chr4	13535286	13535286	+	1.642E-20	4.25997E-19	0.234211	hyper	sig	chr4_13535286
chr6	30172106	30172106	+	1.646E-20	4.26952E-19	0.311071	hyper	sig	chr6_30172106
chr19	33623420	33623420	+	1.649E-20	4.27875E-19	0.255596	hyper	sig	chr19_33623420
chr19	57527220	57527220	+	1.653E-20	4.28771E-19	0.220784	hyper	sig	chr19_57527220
chr17	79752438	79752438	+	1.653E-20	4.28924E-19	-0.25573	hypo	sig	chr17_79752438
chr16	87654816	87654816	+	1.656E-20	4.29493E-19	-0.24318	hypo	sig	chr16_87654816
chr2	20448819	20448819	+	1.658E-20	4.30075E-19	-0.313	hypo	sig	chr2_20448819
chr13	94703946	94703946	+	1.659E-20	4.30213E-19	0.307439	hyper	sig	chr13_94703946
chr19	39264482	39264482	+	1.659E-20	4.30213E-19	0.29467	hyper	sig	chr19_39264482
chr16	10180458	10180458	+	1.66E-20	4.30576E-19	0.26537	hyper	sig	chr16_10180458
chr8	64798722	64798722	+	1.662E-20	4.31144E-19	0.212154	hyper	sig	chr8_64798722
chr2	1.62E+08	162241000	+	1.663E-20	4.31331E-19	-0.32182	hypo	sig	chr2_162241000
chr16	86511229	86511229	+	1.663E-20	4.31352E-19	0.213125	hyper	sig	chr16_86511229
chr19	49037646	49037646	+	1.664E-20	4.31483E-19	-0.22607	hypo	sig	chr19_49037646
chr11	14905430	14905430	+	1.667E-20	4.32246E-19	0.295314	hyper	sig	chr11_14905430
chr16	86507837	86507837	+	1.667E-20	4.3237E-19	0.261473	hyper	sig	chr16_86507837
chr4	1.65E+08	165210161	+	1.67E-20	4.33004E-19	-0.21378	hypo	sig	chr4_165210161
chr12	54060613	54060613	+	1.671E-20	4.33273E-19	0.248134	hyper	sig	chr12_54060613
chr7	1.54E+08	153748191	+	1.672E-20	4.33585E-19	0.246758	hyper	sig	chr7_153748191
chr5	1702111	1702111	+	1.674E-20	4.33932E-19	-0.25174	hypo	sig	chr5_1702111
chr1	1161332	1161332	+	1.676E-20	4.3437E-19	-0.32918	hypo	sig	chr1_1161332
chr3	1.28E+08	128492692	+	1.677E-20	4.34777E-19	0.21847	hyper	sig	chr3_128492692
chr17	44967251	44967251	+	1.678E-20	4.35065E-19	0.216142	hyper	sig	chr17_44967251
chr13	52848162	52848162	+	1.679E-20	4.35117E-19	0.271468	hyper	sig	chr13_52848162
chr16	86513993	86513993	+	1.679E-20	4.35117E-19	0.328717	hyper	sig	chr16_86513993
chr18	79795568	79795568	+	1.679E-20	4.3513E-19	-0.21458	hypo	sig	chr18_79795568
chr4	55157761	55157761	+	1.684E-20	4.3648E-19	0.298785	hyper	sig	chr4_55157761
chr12	1.31E+08	130688158	+	1.685E-20	4.36709E-19	-0.24418	hypo	sig	chr12_130688158
chr7	1.51E+08	151014071	+	1.686E-20	4.36877E-19	0.216193	hyper	sig	chr7_151014071
chr14	1.02E+08	101781324	+	1.688E-20	4.37311E-19	0.21529	hyper	sig	chr14_101781324
chr17	3530116	3530116	+	1.691E-20	4.38201E-19	-0.27906	hypo	sig	chr17_3530116
chr6	1.06E+08	105981334	+	1.694E-20	4.38788E-19	0.26668	hyper	sig	chr6_105981334
chr12	1.15E+08	114687176	+	1.698E-20	4.39805E-19	0.217924	hyper	sig	chr12_114687176
chr13	78607565	78607565	+	1.7E-20	4.40467E-19	0.243869	hyper	sig	chr13_78607565
chr4	80197104	80197104	+	1.701E-20	4.40622E-19	0.236711	hyper	sig	chr4_80197104
chr17	48586440	48586440	+	1.701E-20	4.40702E-19	-0.20064	hypo	sig	chr17_48586440
chr11	1114210	1114210	+	1.702E-20	4.4084E-19	-0.27703	hypo	sig	chr11_1114210
chr13	26051169	26051169	+	1.703E-20	4.41128E-19	0.214269	hyper	sig	chr13_26051169
chr1	75135600	75135600	+	1.704E-20	4.41263E-19	0.220689	hyper	sig	chr1_75135600
chr11	1.16E+08	115711090	+	1.705E-20	4.41463E-19	-0.20716	hypo	sig	chr11_115711090
chr12	52233525	52233525	+	1.706E-20	4.41719E-19	0.266646	hyper	sig	chr12_52233525
chr3	5023526	5023526	+	1.708E-20	4.42196E-19	-0.31835	hypo	sig	chr3_5023526
chr11	8169119	8169119	+	1.709E-20	4.42425E-19	0.225104	hyper	sig	chr11_8169119
chr12	81758646	81758646	+	1.709E-20	4.42501E-19	0.230646	hyper	sig	chr12_81758646
chr17	78170894	78170894	+	1.711E-20	4.42986E-19	-0.25498	hypo	sig	chr17_78170894
chr11	94769616	94769616	+	1.714E-20	4.43729E-19	0.212764	hyper	sig	chr11_94769616
chr12	1.14E+08	114409689	+	1.716E-20	4.4422E-19	0.205103	hyper	sig	chr12_114409689

chr3	47580307	47580307	+	1.717E-20	4.44457E-19	-0.2624	hypo	sig	chr3_47580307
chr16	85947819	85947819	+	1.717E-20	4.44578E-19	-0.29688	hypo	sig	chr16_85947819
chr2	2.41E+08	240890289	+	1.718E-20	4.44659E-19	-0.21587	hypo	sig	chr2_240890289
chr1	2923685	2923685	+	1.718E-20	4.44717E-19	-0.20364	hypo	sig	chr1_2923685
chr2	2.06E+08	205686513	+	1.719E-20	4.44994E-19	0.264563	hyper	sig	chr2_205686513
chr12	1.1E+08	109606848	+	1.721E-20	4.45555E-19	-0.28961	hypo	sig	chr12_109606848
chr10	15719573	15719573	+	1.722E-20	4.45653E-19	0.233366	hyper	sig	chr10_15719573
chr6	1.01E+08	101392492	+	1.73E-20	4.47624E-19	0.231925	hyper	sig	chr6_101392492
chr6	1.33E+08	133241667	+	1.731E-20	4.47876E-19	0.392905	hyper	sig	chr6_133241667
chr13	1.14E+08	114081882	+	1.731E-20	4.47947E-19	0.21663	hyper	sig	chr13_114081882
chr21	36705097	36705097	+	1.731E-20	4.47956E-19	0.2614	hyper	sig	chr21_36705097
chr5	1.41E+08	141430583	+	1.731E-20	4.48009E-19	0.286877	hyper	sig	chr5_141430583
chr17	34634918	34634918	+	1.738E-20	4.4963E-19	-0.21755	hypo	sig	chr17_34634918
chr6	27680845	27680845	+	1.738E-20	4.49727E-19	0.286195	hyper	sig	chr6_27680845
chr5	1.79E+08	179224373	+	1.74E-20	4.50113E-19	-0.23277	hypo	sig	chr5_179224373
chr8	56445568	56445568	+	1.74E-20	4.50149E-19	0.200798	hyper	sig	chr8_56445568
chr19	3481790	3481790	+	1.746E-20	4.51741E-19	-0.24877	hypo	sig	chr19_3481790
chr19	8592614	8592614	+	1.747E-20	4.5184E-19	0.20438	hyper	sig	chr19_8592614
chr7	64045740	64045740	+	1.749E-20	4.52398E-19	0.272866	hyper	sig	chr7_64045740
chr19	48556256	48556256	+	1.75E-20	4.52644E-19	-0.25673	hypo	sig	chr19_48556256
chr3	1.82E+08	181720536	+	1.752E-20	4.53318E-19	0.204993	hyper	sig	chr3_181720536
chr5	44389653	44389653	+	1.754E-20	4.53575E-19	0.295561	hyper	sig	chr5_44389653
chr2	2.32E+08	232388052	+	1.754E-20	4.53595E-19	0.267344	hyper	sig	chr2_232388052
chr6	1.14E+08	114341512	+	1.755E-20	4.53899E-19	0.28501	hyper	sig	chr6_114341512
chr17	41098175	41098175	+	1.756E-20	4.54131E-19	-0.27975	hypo	sig	chr17_41098175
chr4	95547994	95547994	+	1.762E-20	4.5564E-19	0.201202	hyper	sig	chr4_95547994
chr2	479049	479049	+	1.767E-20	4.57088E-19	-0.29305	hypo	sig	chr2_479049
chr12	49091185	49091185	+	1.769E-20	4.57495E-19	0.245321	hyper	sig	chr12_49091185
chr1	90718944	90718944	+	1.772E-20	4.58225E-19	0.201538	hyper	sig	chr1_90718944
chr6	28259248	28259248	+	1.773E-20	4.58538E-19	0.265092	hyper	sig	chr6_28259248
chr12	1.32E+08	132168622	+	1.774E-20	4.58716E-19	-0.21338	hypo	sig	chr12_132168622
chr1	1.11E+08	111271123	+	1.776E-20	4.59269E-19	0.240101	hyper	sig	chr1_111271123
chr16	85486576	85486576	+	1.776E-20	4.593E-19	-0.29068	hypo	sig	chr16_85486576
chr14	36513295	36513295	+	1.777E-20	4.59396E-19	0.22845	hyper	sig	chr14_36513295
chr14	1.01E+08	101022221	+	1.777E-20	4.59396E-19	-0.26167	hypo	sig	chr14_101022221
chr4	6329388	6329388	+	1.777E-20	4.59396E-19	-0.20465	hypo	sig	chr4_6329388
chr17	78232201	78232201	+	1.778E-20	4.59765E-19	0.227055	hyper	sig	chr17_78232201
chr5	1.77E+08	177117016	+	1.78E-20	4.60175E-19	0.203188	hyper	sig	chr5_177117016
chr7	161969	161969	+	1.781E-20	4.6041E-19	-0.21713	hypo	sig	chr7_161969
chr7	28409825	28409825	+	1.781E-20	4.60436E-19	0.206088	hyper	sig	chr7_28409825
chr4	6663987	6663987	+	1.782E-20	4.60495E-19	0.303143	hyper	sig	chr4_6663987
chr19	17747269	17747269	+	1.783E-20	4.6083E-19	-0.22862	hypo	sig	chr19_17747269
chr4	1.11E+08	110639985	+	1.783E-20	4.6083E-19	0.307827	hyper	sig	chr4_110639985
chr3	10338824	10338824	+	1.785E-20	4.61211E-19	-0.22218	hypo	sig	chr3_10338824
chr1	6968193	6968193	+	1.785E-20	4.61405E-19	-0.21906	hypo	sig	chr1_6968193
chr6	36598955	36598955	+	1.788E-20	4.62077E-19	-0.29289	hypo	sig	chr6_36598955
chr5	1.41E+08	140807655	+	1.79E-20	4.62637E-19	0.214129	hyper	sig	chr5_140807655
chr11	67983606	67983606	+	1.794E-20	4.63581E-19	-0.24485	hypo	sig	chr11_67983606
chr3	1.13E+08	113208639	+	1.799E-20	4.64759E-19	0.355601	hyper	sig	chr3_113208639
chr7	28088161	28088161	+	1.8E-20	4.65053E-19	-0.24897	hypo	sig	chr7_28088161
chr3	26623760	26623760	+	1.8E-20	4.651E-19	0.211994	hyper	sig	chr3_26623760
chr5	36693028	36693028	+	1.8E-20	4.65104E-19	0.238504	hyper	sig	chr5_36693028
chr10	1.01E+08	101306614	+	1.803E-20	4.65771E-19	-0.27723	hypo	sig	chr10_101306614
chr14	85534153	85534153	+	1.804E-20	4.65907E-19	0.25213	hyper	sig	chr14_85534153
chr16	1288301	1288301	+	1.809E-20	4.67135E-19	-0.25567	hypo	sig	chr16_1288301
chr1	1.47E+08	147079184	+	1.812E-20	4.68074E-19	0.32804	hyper	sig	chr1_147079184

chr1	63319902	63319902	+	1.813E-20	4.68244E-19	0.24571	hyper	sig	chr1_63319902
chr6	1.66E+08	165988631	+	1.816E-20	4.69019E-19	0.239509	hyper	sig	chr6_165988631
chr2	2.41E+08	240646501	+	1.818E-20	4.69523E-19	-0.22037	hypo	sig	chr2_240646501
chr1	1.61E+08	161259231	+	1.828E-20	4.72043E-19	0.270448	hyper	sig	chr1_161259231
chr11	72244357	72244357	+	1.833E-20	4.73259E-19	0.257319	hyper	sig	chr11_72244357
chr11	47374364	47374364	+	1.833E-20	4.73326E-19	-0.24023	hypo	sig	chr11_47374364
chr8	49909753	49909753	+	1.835E-20	4.73779E-19	0.211547	hyper	sig	chr8_49909753
chr15	52794879	52794879	+	1.838E-20	4.74514E-19	0.252112	hyper	sig	chr15_52794879
chr14	74240182	74240182	+	1.839E-20	4.74812E-19	0.218088	hyper	sig	chr14_74240182
chr12	33438401	33438401	+	1.844E-20	4.76118E-19	0.230556	hyper	sig	chr12_33438401
chr11	47449239	47449239	+	1.845E-20	4.76217E-19	-0.20016	hypo	sig	chr11_47449239
chr10	25934122	25934122	+	1.848E-20	4.77182E-19	0.292015	hyper	sig	chr10_25934122
chr4	912060	912060	+	1.848E-20	4.77182E-19	-0.25969	hypo	sig	chr4_912060
chr12	53945549	53945549	+	1.849E-20	4.77413E-19	0.229078	hyper	sig	chr12_53945549
chr17	79890260	79890260	+	1.851E-20	4.77862E-19	-0.23917	hypo	sig	chr17_79890260
chr12	54549225	54549225	+	1.857E-20	4.79181E-19	0.205807	hyper	sig	chr12_54549225
chr11	18791144	18791144	+	1.861E-20	4.80322E-19	0.305066	hyper	sig	chr11_18791144
chr5	77972631	77972631	+	1.861E-20	4.80356E-19	0.272343	hyper	sig	chr5_77972631
chr17	81391897	81391897	+	1.866E-20	4.81639E-19	0.259836	hyper	sig	chr17_81391897
chr13	1.12E+08	112057627	+	1.868E-20	4.82147E-19	0.241487	hyper	sig	chr13_112057627
chr12	1.06E+08	106140062	+	1.873E-20	4.83367E-19	0.222253	hyper	sig	chr12_106140062
chr17	19978296	19978296	+	1.876E-20	4.83942E-19	0.282426	hyper	sig	chr17_19978296
chr16	29157098	29157098	+	1.877E-20	4.84312E-19	-0.32644	hypo	sig	chr16_29157098
chr1	63329764	63329764	+	1.883E-20	4.85798E-19	0.203343	hyper	sig	chr1_63329764
chr11	44955609	44955609	+	1.884E-20	4.85949E-19	-0.23208	hypo	sig	chr11_44955609
chr17	74360098	74360098	+	1.888E-20	4.87014E-19	-0.20159	hypo	sig	chr17_74360098
chr8	60660723	60660723	+	1.889E-20	4.87221E-19	-0.25563	hypo	sig	chr8_60660723
chr2	2.41E+08	241189470	+	1.889E-20	4.87401E-19	-0.35126	hypo	sig	chr2_241189470
chr5	1106966	1106966	+	1.895E-20	4.88815E-19	-0.23861	hypo	sig	chr5_1106966
chr12	1.08E+08	107775262	+	1.9E-20	4.90163E-19	0.276639	hyper	sig	chr12_107775262
chr16	509320	509320	+	1.912E-20	4.93099E-19	-0.24195	hypo	sig	chr16_509320
chr5	42944347	42944347	+	1.918E-20	4.94652E-19	0.266176	hyper	sig	chr5_42944347
chr5	79689707	79689707	+	1.919E-20	4.94787E-19	0.384753	hyper	sig	chr5_79689707
chr2	2.42E+08	241645863	+	1.926E-20	4.96687E-19	0.258344	hyper	sig	chr2_241645863
chr10	1.3E+08	129951769	+	1.928E-20	4.97188E-19	-0.21138	hypo	sig	chr10_129951769
chr22	39317057	39317057	+	1.929E-20	4.97415E-19	-0.20343	hypo	sig	chr22_39317057
chr1	3434045	3434045	+	1.933E-20	4.98248E-19	-0.23248	hypo	sig	chr1_3434045
chr19	57600287	57600287	+	1.935E-20	4.98838E-19	0.22435	hyper	sig	chr19_57600287
chr3	1.86E+08	186361507	+	1.941E-20	5.00495E-19	0.221444	hyper	sig	chr3_186361507
chr19	12769990	12769990	+	1.942E-20	5.00509E-19	0.200121	hyper	sig	chr19_12769990
chr7	2567082	2567082	+	1.944E-20	5.01193E-19	0.246926	hyper	sig	chr7_2567082
chr19	30450986	30450986	+	1.949E-20	5.02363E-19	0.218659	hyper	sig	chr19_30450986
chr20	63773425	63773425	+	1.951E-20	5.02859E-19	-0.30919	hypo	sig	chr20_63773425
chr11	63763548	63763548	+	1.952E-20	5.03035E-19	-0.23353	hypo	sig	chr11_63763548
chr17	79465374	79465374	+	1.952E-20	5.03073E-19	-0.23895	hypo	sig	chr17_79465374
chr7	24285442	24285442	+	1.959E-20	5.04958E-19	0.233159	hyper	sig	chr7_24285442
chr16	51155896	51155896	+	1.961E-20	5.05352E-19	0.235719	hyper	sig	chr16_51155896
chr1	937075	937075	+	1.964E-20	5.06203E-19	-0.25848	hypo	sig	chr1_937075
chr17	83014542	83014542	+	1.965E-20	5.06238E-19	-0.24613	hypo	sig	chr17_83014542
chr1	38476264	38476264	+	1.966E-20	5.06515E-19	0.249242	hyper	sig	chr1_38476264
chr17	79007070	79007070	+	1.972E-20	5.08226E-19	-0.23282	hypo	sig	chr17_79007070
chr17	1631999	1631999	+	1.976E-20	5.09228E-19	-0.22821	hypo	sig	chr17_1631999
chr20	62710678	62710678	+	1.977E-20	5.09243E-19	-0.22322	hypo	sig	chr20_62710678
chr1	2.28E+08	228158529	+	1.979E-20	5.09967E-19	0.229352	hyper	sig	chr1_228158529
chr10	1.32E+08	132203215	+	1.986E-20	5.11624E-19	-0.20731	hypo	sig	chr10_132203215
chr4	84495699	84495699	+	1.989E-20	5.12329E-19	0.226372	hyper	sig	chr4_84495699

chr2	53860314	53860314	+	1.99E-20	5.12558E-19	0.309898	hyper	sig	chr2_53860314
chr7	1.43E+08	142941268	+	1.992E-20	5.13077E-19	-0.26626	hypo	sig	chr7_142941268
chr14	28774503	28774503	+	1.995E-20	5.13704E-19	0.219084	hyper	sig	chr14_28774503
chr6	99609205	99609205	+	1.994E-20	5.13704E-19	0.290214	hyper	sig	chr6_99609205
chr10	69569321	69569321	+	1.998E-20	5.14545E-19	0.290883	hyper	sig	chr10_69569321
chr11	72244355	72244355	+	1.998E-20	5.14545E-19	0.260429	hyper	sig	chr11_72244355
chr12	1.07E+08	106585656	+	1.999E-20	5.14725E-19	0.274412	hyper	sig	chr12_106585656
chr6	1.33E+08	133240539	+	1.999E-20	5.14741E-19	0.21539	hyper	sig	chr6_133240539
chr6	37653081	37653081	+	2E-20	5.14971E-19	-0.25329	hypo	sig	chr6_37653081
chr1	2.36E+08	236399793	+	2.001E-20	5.15254E-19	-0.24155	hypo	sig	chr1_236399793
chr1	53508070	53508070	+	2.013E-20	5.18366E-19	-0.2424	hypo	sig	chr1_53508070
chr4	1309858	1309858	+	2.016E-20	5.19145E-19	0.216947	hyper	sig	chr4_1309858
chr6	1.08E+08	108167419	+	2.018E-20	5.19713E-19	0.245762	hyper	sig	chr6_108167419
chr5	1.69E+08	168529906	+	2.021E-20	5.20386E-19	0.250987	hyper	sig	chr5_168529906
chr7	1.57E+08	157020286	+	2.022E-20	5.20607E-19	0.23077	hyper	sig	chr7_157020286
chr6	32069099	32069099	+	2.025E-20	5.213E-19	-0.24345	hypo	sig	chr6_32069099
chr16	1068909	1068909	+	2.025E-20	5.21421E-19	-0.27558	hypo	sig	chr16_1068909
chr9	1.33E+08	132586900	+	2.034E-20	5.237E-19	0.2002	hyper	sig	chr9_132586900
chr11	2851628	2851628	+	2.035E-20	5.23971E-19	-0.21744	hypo	sig	chr11_2851628
chr22	46077391	46077391	+	2.036E-20	5.24007E-19	-0.23013	hypo	sig	chr22_46077391
chr14	56809903	56809903	+	2.036E-20	5.24155E-19	0.250525	hyper	sig	chr14_56809903
chr10	1.01E+08	100830611	+	2.037E-20	5.24337E-19	0.200226	hyper	sig	chr10_100830611
chr2	28979946	28979946	+	2.04E-20	5.25097E-19	-0.215	hypo	sig	chr2_28979946
chr1	6093987	6093987	+	2.042E-20	5.25521E-19	-0.21998	hypo	sig	chr1_6093987
chr11	67452339	67452339	+	2.051E-20	5.27826E-19	-0.29875	hypo	sig	chr11_67452339
chr17	49964541	49964541	+	2.053E-20	5.28445E-19	0.290271	hyper	sig	chr17_49964541
chr10	27744940	27744940	+	2.055E-20	5.28916E-19	0.205715	hyper	sig	chr10_27744940
chr13	1.12E+08	112105774	+	2.055E-20	5.28916E-19	0.214904	hyper	sig	chr13_112105774
chr1	1.57E+08	156844717	+	2.057E-20	5.29372E-19	0.216935	hyper	sig	chr1_156844717
chr13	1.13E+08	113402553	+	2.057E-20	5.29372E-19	-0.21821	hypo	sig	chr13_113402553
chr20	17228057	17228057	+	2.06E-20	5.30096E-19	0.254059	hyper	sig	chr20_17228057
chr1	75130252	75130252	+	2.061E-20	5.30287E-19	0.239308	hyper	sig	chr1_75130252
chr1	2232096	2232096	+	2.061E-20	5.30295E-19	-0.20965	hypo	sig	chr1_2232096
chr11	66011494	66011494	+	2.062E-20	5.30392E-19	-0.26313	hypo	sig	chr11_66011494
chr20	62352919	62352919	+	2.074E-20	5.33435E-19	-0.22209	hypo	sig	chr20_62352919
chr13	1.12E+08	112069909	+	2.08E-20	5.34975E-19	0.339209	hyper	sig	chr13_112069909
chr11	1.12E+08	111514918	+	2.083E-20	5.35748E-19	0.238883	hyper	sig	chr11_111514918
chr6	2986609	2986609	+	2.083E-20	5.35748E-19	-0.25561	hypo	sig	chr6_2986609
chr7	12404222	12404222	+	2.085E-20	5.36241E-19	0.27187	hyper	sig	chr7_12404222
chr17	928143	928143	+	2.092E-20	5.38043E-19	-0.34039	hypo	sig	chr17_928143
chr5	5887278	5887278	+	2.097E-20	5.39325E-19	0.247723	hyper	sig	chr5_5887278
chr12	1.13E+08	113476031	+	2.1E-20	5.40035E-19	0.228105	hyper	sig	chr12_113476031
chr5	84384194	84384194	+	2.103E-20	5.40736E-19	0.278775	hyper	sig	chr5_84384194
chr1	1.45E+08	144552002	+	2.111E-20	5.42634E-19	0.21852	hyper	sig	chr1_144552002
chr4	1.74E+08	173538244	+	2.111E-20	5.42759E-19	0.256758	hyper	sig	chr4_173538244
chr7	31060235	31060235	+	2.113E-20	5.43311E-19	-0.2262	hypo	sig	chr7_31060235
chr3	13041387	13041387	+	2.117E-20	5.44269E-19	-0.20988	hypo	sig	chr3_13041387
chr10	1.34E+08	133528032	+	2.118E-20	5.44387E-19	0.264997	hyper	sig	chr10_133528032
chr1	40818169	40818169	+	2.122E-20	5.45593E-19	0.225792	hyper	sig	chr1_40818169
chr1	3112237	3112237	+	2.125E-20	5.46065E-19	-0.21215	hypo	sig	chr1_3112237
chr9	97852707	97852707	+	2.126E-20	5.46466E-19	0.306368	hyper	sig	chr9_97852707
chr3	6861487	6861487	+	2.127E-20	5.46709E-19	0.275139	hyper	sig	chr3_6861487
chr10	1.23E+08	122818717	+	2.128E-20	5.46982E-19	0.208018	hyper	sig	chr10_122818717
chr5	1.41E+08	141491622	+	2.129E-20	5.47082E-19	0.240001	hyper	sig	chr5_141491622
chr16	918132	918132	+	2.129E-20	5.47135E-19	0.241276	hyper	sig	chr16_918132
chr17	21464132	21464132	+	2.132E-20	5.47832E-19	0.273209	hyper	sig	chr17_21464132

chr10	23173352	23173352	+	2.135E-20	5.48522E-19	0.286477	hyper	sig	chr10_23173352
chr20	38674351	38674351	+	2.138E-20	5.49261E-19	0.239486	hyper	sig	chr20_38674351
chr14	69850106	69850106	+	2.139E-20	5.49595E-19	-0.36085	hypo	sig	chr14_69850106
chr3	1.97E+08	196660618	+	2.143E-20	5.50499E-19	-0.2679	hypo	sig	chr3_196660618
chr1	37033168	37033168	+	2.144E-20	5.50863E-19	0.209606	hyper	sig	chr1_37033168
chr2	1.24E+08	124024676	+	2.145E-20	5.509E-19	0.254945	hyper	sig	chr2_124024676
chr1	27369261	27369261	+	2.148E-20	5.51641E-19	-0.28047	hypo	sig	chr1_27369261
chr10	55631295	55631295	+	2.148E-20	5.5187E-19	0.292146	hyper	sig	chr10_55631295
chr12	1.07E+08	106585537	+	2.152E-20	5.52684E-19	0.300803	hyper	sig	chr12_106585537
chr7	1.57E+08	157280576	+	2.152E-20	5.52699E-19	-0.27438	hypo	sig	chr7_157280576
chr11	2161343	2161343	+	2.152E-20	5.52812E-19	-0.20331	hypo	sig	chr11_2161343
chr22	18115173	18115173	+	2.159E-20	5.54517E-19	-0.24658	hypo	sig	chr22_18115173
chr16	89316022	89316022	+	2.16E-20	5.54739E-19	-0.2365	hypo	sig	chr16_89316022
chr2	2.41E+08	241081880	+	2.161E-20	5.54847E-19	-0.25831	hypo	sig	chr2_241081880
chr14	26205417	26205417	+	2.161E-20	5.55014E-19	0.242566	hyper	sig	chr14_26205417
chr15	79090715	79090715	+	2.162E-20	5.55235E-19	0.360785	hyper	sig	chr15_79090715
chr4	1.04E+08	103719876	+	2.163E-20	5.5534E-19	0.267997	hyper	sig	chr4_103719876
chr11	269375	269375	+	2.163E-20	5.55372E-19	-0.20791	hypo	sig	chr11_269375
chr7	4796660	4796660	+	2.169E-20	5.56791E-19	-0.25928	hypo	sig	chr7_4796660
chr11	1.19E+08	119318587	+	2.175E-20	5.58351E-19	-0.24668	hypo	sig	chr11_119318587
chr20	63123753	63123753	+	2.177E-20	5.58991E-19	-0.25072	hypo	sig	chr20_63123753
chr1	47450204	47450204	+	2.178E-20	5.59102E-19	-0.22973	hypo	sig	chr1_47450204
chr18	905176	905176	+	2.18E-20	5.59596E-19	0.288031	hyper	sig	chr18_905176
chr4	782763	782763	+	2.181E-20	5.59745E-19	-0.23697	hypo	sig	chr4_782763
chr8	2096369	2096369	+	2.182E-20	5.60095E-19	-0.24088	hypo	sig	chr8_2096369
chr17	77801068	77801068	+	2.191E-20	5.62432E-19	-0.21326	hypo	sig	chr17_77801068
chr11	22433115	22433115	+	2.192E-20	5.62526E-19	0.287964	hyper	sig	chr11_22433115
chr1	52843556	52843556	+	2.196E-20	5.63433E-19	0.325619	hyper	sig	chr1_52843556
chr16	370037	370037	+	2.196E-20	5.63445E-19	0.200769	hyper	sig	chr16_370037
chr3	1.49E+08	148698254	+	2.2E-20	5.64495E-19	0.284964	hyper	sig	chr3_148698254
chr3	50322478	50322478	+	2.201E-20	5.64737E-19	-0.20329	hypo	sig	chr3_50322478
chr12	63150098	63150098	+	2.207E-20	5.66237E-19	0.287871	hyper	sig	chr12_63150098
chr1	1060916	1060916	+	2.21E-20	5.66949E-19	-0.36777	hypo	sig	chr1_1060916
chr6	28489414	28489414	+	2.21E-20	5.67131E-19	0.231001	hyper	sig	chr6_28489414
chr7	1520810	1520810	+	2.211E-20	5.67238E-19	-0.26953	hypo	sig	chr7_1520810
chr12	6123813	6123813	+	2.214E-20	5.67879E-19	-0.25434	hypo	sig	chr12_6123813
chr15	92401434	92401434	+	2.214E-20	5.68051E-19	-0.20858	hypo	sig	chr15_92401434
chr9	1.33E+08	133477427	+	2.217E-20	5.68748E-19	-0.22451	hypo	sig	chr9_133477427
chr4	1407941	1407941	+	2.219E-20	5.69171E-19	0.248375	hyper	sig	chr4_1407941
chr6	1.63E+08	163300862	+	2.22E-20	5.69336E-19	-0.21878	hypo	sig	chr6_163300862
chr3	1.72E+08	172449967	+	2.221E-20	5.69651E-19	0.253987	hyper	sig	chr3_172449967
chr11	493122	493122	+	2.226E-20	5.709E-19	-0.21686	hypo	sig	chr11_493122
chr19	58116492	58116492	+	2.231E-20	5.72158E-19	-0.23845	hypo	sig	chr19_58116492
chr1	66752086	66752086	+	2.233E-20	5.72653E-19	0.210673	hyper	sig	chr1_66752086
chr7	175768	175768	+	2.24E-20	5.74266E-19	-0.30049	hypo	sig	chr7_175768
chr11	1931510	1931510	+	2.242E-20	5.74877E-19	-0.2161	hypo	sig	chr11_1931510
chr5	71719739	71719739	+	2.247E-20	5.76147E-19	0.303677	hyper	sig	chr5_71719739
chr12	1.13E+08	113464510	+	2.247E-20	5.76197E-19	0.214742	hyper	sig	chr12_113464510
chr1	2.29E+08	229407365	+	2.248E-20	5.76258E-19	0.289605	hyper	sig	chr1_229407365
chr19	1854787	1854787	+	2.252E-20	5.77301E-19	-0.21499	hypo	sig	chr19_1854787
chr3	1.28E+08	128481872	+	2.252E-20	5.7731E-19	0.208154	hyper	sig	chr3_128481872
chr4	7299867	7299867	+	2.254E-20	5.77898E-19	-0.24802	hypo	sig	chr4_7299867
chr17	8057125	8057125	+	2.258E-20	5.78866E-19	-0.32197	hypo	sig	chr17_8057125
chr19	51327147	51327147	+	2.26E-20	5.79264E-19	0.345078	hyper	sig	chr19_51327147
chr8	85438339	85438339	+	2.263E-20	5.80044E-19	0.238379	hyper	sig	chr8_85438339
chr6	1.06E+08	105981247	+	2.264E-20	5.80309E-19	0.291047	hyper	sig	chr6_105981247

chr13	1.13E+08	113109865	+	2.27E-20	5.81936E-19	0.279194	hyper	sig	chr13_113109865
chr3	27730365	27730365	+	2.275E-20	5.83099E-19	0.221684	hyper	sig	chr3_27730365
chr19	58043197	58043197	+	2.277E-20	5.83691E-19	0.237355	hyper	sig	chr19_58043197
chr12	1.33E+08	132766878	+	2.279E-20	5.83959E-19	-0.2384	hypo	sig	chr12_132766878
chr6	77466998	77466998	+	2.279E-20	5.84014E-19	0.290826	hyper	sig	chr6_77466998
chr6	1.08E+08	107633570	+	2.285E-20	5.85507E-19	-0.31544	hypo	sig	chr6_107633570
chr8	88328244	88328244	+	2.286E-20	5.8579E-19	0.229414	hyper	sig	chr8_88328244
chr1	6078780	6078780	+	2.29E-20	5.86692E-19	-0.2278	hypo	sig	chr1_6078780
chr5	10149864	10149864	+	2.295E-20	5.87916E-19	-0.21709	hypo	sig	chr5_10149864
chr7	1.01E+08	101299853	+	2.295E-20	5.88101E-19	0.304092	hyper	sig	chr7_101299853
chr6	37649084	37649084	+	2.299E-20	5.88903E-19	0.32611	hyper	sig	chr6_37649084
chr18	33441009	33441009	+	2.301E-20	5.89553E-19	0.28674	hyper	sig	chr18_33441009
chr8	1.3E+08	130377525	+	2.305E-20	5.90427E-19	-0.25165	hypo	sig	chr8_130377525
chr19	814933	814933	+	2.306E-20	5.90767E-19	-0.23106	hypo	sig	chr19_814933
chr7	96997820	96997820	+	2.313E-20	5.9254E-19	0.2346	hyper	sig	chr7_96997820
chr10	1.32E+08	132296374	+	2.314E-20	5.92845E-19	-0.23565	hypo	sig	chr10_132296374
chr5	71719618	71719618	+	2.318E-20	5.93696E-19	0.283694	hyper	sig	chr5_71719618
chr10	47763435	47763435	+	2.319E-20	5.94041E-19	0.227182	hyper	sig	chr10_47763435
chr6	1.67E+08	167122761	+	2.32E-20	5.94225E-19	-0.23939	hypo	sig	chr6_167122761
chr10	70283813	70283813	+	2.321E-20	5.94338E-19	0.305818	hyper	sig	chr10_70283813
chr10	44865511	44865511	+	2.323E-20	5.94973E-19	-0.24104	hypo	sig	chr10_44865511
chr3	1.98E+08	198081807	+	2.327E-20	5.95799E-19	0.294816	hyper	sig	chr3_198081807
chr6	36285322	36285322	+	2.33E-20	5.96586E-19	0.224664	hyper	sig	chr6_36285322
chr10	7412831	7412831	+	2.332E-20	5.97085E-19	0.298475	hyper	sig	chr10_7412831
chr5	1868712	1868712	+	2.333E-20	5.97457E-19	-0.21684	hypo	sig	chr5_1868712
chr14	26205011	26205011	+	2.334E-20	5.97643E-19	0.268133	hyper	sig	chr14_26205011
chr4	4862566	4862566	+	2.338E-20	5.98653E-19	0.20365	hyper	sig	chr4_4862566
chr4	1.57E+08	157222339	+	2.34E-20	5.99042E-19	0.294531	hyper	sig	chr4_157222339
chr5	51387508	51387508	+	2.343E-20	5.99845E-19	0.230762	hyper	sig	chr5_51387508
chr1	2015266	2015266	+	2.344E-20	6.00106E-19	-0.35935	hypo	sig	chr1_2015266
chr6	10382864	10382864	+	2.346E-20	6.00644E-19	0.327453	hyper	sig	chr6_10382864
chr3	1.34E+08	133784593	+	2.347E-20	6.0082E-19	-0.27446	hypo	sig	chr3_133784593
chr1	2789312	2789312	+	2.347E-20	6.00827E-19	0.25426	hyper	sig	chr1_2789312
chr3	48223231	48223231	+	2.35E-20	6.01652E-19	-0.26212	hypo	sig	chr3_48223231
chr5	42995495	42995495	+	2.353E-20	6.0221E-19	0.263544	hyper	sig	chr5_42995495
chr2	479045	479045	+	2.353E-20	6.02377E-19	-0.27738	hypo	sig	chr2_479045
chr8	1.03E+08	102738811	+	2.358E-20	6.03537E-19	-0.21647	hypo	sig	chr8_102738811
chr1	1.57E+08	156657321	+	2.363E-20	6.04687E-19	0.319601	hyper	sig	chr1_156657321
chr16	3306120	3306120	+	2.364E-20	6.04902E-19	0.212244	hyper	sig	chr16_3306120
chr1	75135625	75135625	+	2.37E-20	6.06429E-19	0.261345	hyper	sig	chr1_75135625
chr2	2.02E+08	201619172	+	2.37E-20	6.06429E-19	0.311565	hyper	sig	chr2_201619172
chr2	2.33E+08	232636970	+	2.371E-20	6.06717E-19	-0.22353	hypo	sig	chr2_232636970
chr11	8016536	8016536	+	2.375E-20	6.07638E-19	-0.22209	hypo	sig	chr11_8016536
chr9	1.33E+08	132586583	+	2.386E-20	6.10478E-19	0.210351	hyper	sig	chr9_132586583
chr2	1.39E+08	138779992	+	2.387E-20	6.106E-19	0.352581	hyper	sig	chr2_138779992
chr6	28259241	28259241	+	2.39E-20	6.11455E-19	0.275918	hyper	sig	chr6_28259241
chr4	1.09E+08	109302031	+	2.393E-20	6.12241E-19	0.261269	hyper	sig	chr4_109302031
chr1	26411596	26411596	+	2.395E-20	6.1249E-19	0.219792	hyper	sig	chr1_26411596
chr6	77466950	77466950	+	2.399E-20	6.13619E-19	0.294006	hyper	sig	chr6_77466950
chr8	11709725	11709725	+	2.399E-20	6.13636E-19	0.286537	hyper	sig	chr8_11709725
chr1	2.29E+08	229407348	+	2.4E-20	6.13724E-19	0.267859	hyper	sig	chr1_229407348
chr2	5691056	5691056	+	2.402E-20	6.14219E-19	0.217047	hyper	sig	chr2_5691056
chr20	62774222	62774222	+	2.403E-20	6.14402E-19	-0.27469	hypo	sig	chr20_62774222
chr17	48582605	48582605	+	2.405E-20	6.15058E-19	-0.21004	hypo	sig	chr17_48582605
chr16	1204427	1204427	+	2.408E-20	6.1572E-19	-0.22211	hypo	sig	chr16_1204427
chr9	1.3E+08	129675793	+	2.409E-20	6.15865E-19	-0.28549	hypo	sig	chr9_129675793

chr3	1.47E+08	147405439	+	2.411E-20	6.1647E-19	0.234483	hyper	sig	chr3_147405439
chr19	3282218	3282218	+	2.411E-20	6.16526E-19	-0.27854	hypo	sig	chr19_3282218
chr1	12549586	12549586	+	2.413E-20	6.16996E-19	-0.29902	hypo	sig	chr1_12549586
chr19	15181730	15181730	+	2.416E-20	6.17698E-19	-0.26449	hypo	sig	chr19_15181730
chr2	1.76E+08	176100766	+	2.42E-20	6.1864E-19	0.225032	hyper	sig	chr2_176100766
chr13	78587484	78587484	+	2.429E-20	6.20788E-19	0.337506	hyper	sig	chr13_78587484
chr3	27730320	27730320	+	2.434E-20	6.22259E-19	0.203981	hyper	sig	chr3_27730320
chr20	60055175	60055175	+	2.436E-20	6.22529E-19	-0.22583	hypo	sig	chr20_60055175
chr5	1.41E+08	140807568	+	2.436E-20	6.22532E-19	0.203892	hyper	sig	chr5_140807568
chr5	42944233	42944233	+	2.443E-20	6.24296E-19	0.31829	hyper	sig	chr5_42944233
chr11	32437263	32437263	+	2.449E-20	6.25804E-19	0.204873	hyper	sig	chr11_32437263
chr3	1.25E+08	125141954	+	2.451E-20	6.26358E-19	0.302122	hyper	sig	chr3_125141954
chr15	74345237	74345237	+	2.451E-20	6.26367E-19	-0.21702	hypo	sig	chr15_74345237
chr12	54047194	54047194	+	2.459E-20	6.28301E-19	0.321289	hyper	sig	chr12_54047194
chr19	12195368	12195368	+	2.464E-20	6.29583E-19	0.232147	hyper	sig	chr19_12195368
chr5	1.23E+08	123098706	+	2.464E-20	6.29689E-19	0.216218	hyper	sig	chr5_123098706
chr6	28885317	28885317	+	2.465E-20	6.29755E-19	0.312636	hyper	sig	chr6_28885317
chr12	54107084	54107084	+	2.466E-20	6.30067E-19	0.341536	hyper	sig	chr12_54107084
chr7	1.58E+08	157651118	+	2.466E-20	6.30167E-19	0.285277	hyper	sig	chr7_157651118
chr4	54101569	54101569	+	2.467E-20	6.3039E-19	0.273003	hyper	sig	chr4_54101569
chr3	62368073	62368073	+	2.468E-20	6.30494E-19	0.223401	hyper	sig	chr3_62368073
chr10	1.01E+08	101140250	+	2.473E-20	6.31766E-19	0.226581	hyper	sig	chr10_101140250
chr5	1.78E+08	177503746	+	2.474E-20	6.32137E-19	-0.21695	hypo	sig	chr5_177503746
chr8	72251784	72251784	+	2.475E-20	6.32331E-19	0.23033	hyper	sig	chr8_72251784
chr2	2.19E+08	219444712	+	2.478E-20	6.33056E-19	-0.22271	hypo	sig	chr2_219444712
chr5	1.41E+08	141245669	+	2.479E-20	6.3314E-19	0.232707	hyper	sig	chr5_141245669
chr10	1.01E+08	100659610	+	2.479E-20	6.33297E-19	0.252036	hyper	sig	chr10_100659610
chr9	1.36E+08	135981091	+	2.48E-20	6.33546E-19	-0.21453	hypo	sig	chr9_135981091
chr19	49050435	49050435	+	2.481E-20	6.33575E-19	-0.30322	hypo	sig	chr19_49050435
chr8	26040896	26040896	+	2.488E-20	6.35405E-19	0.221453	hyper	sig	chr8_26040896
chr21	45286898	45286898	+	2.493E-20	6.36675E-19	0.213911	hyper	sig	chr21_45286898
chr16	67165672	67165672	+	2.496E-20	6.37355E-19	0.239741	hyper	sig	chr16_67165672
chr19	11482201	11482201	+	2.505E-20	6.39593E-19	0.327056	hyper	sig	chr19_11482201
chr1	3248017	3248017	+	2.506E-20	6.3999E-19	0.227257	hyper	sig	chr1_3248017
chr5	93607561	93607561	+	2.515E-20	6.42031E-19	0.208614	hyper	sig	chr5_93607561
chr18	77968942	77968942	+	2.52E-20	6.43399E-19	-0.2366	hypo	sig	chr18_77968942
chr12	1.21E+08	121223990	+	2.526E-20	6.44851E-19	-0.248	hypo	sig	chr12_121223990
chr18	59267967	59267967	+	2.53E-20	6.45868E-19	0.280504	hyper	sig	chr18_59267967
chr3	1.95E+08	195147983	+	2.533E-20	6.46686E-19	-0.21306	hypo	sig	chr3_195147983
chr19	53255265	53255265	+	2.536E-20	6.47224E-19	0.304197	hyper	sig	chr19_53255265
chr11	1.34E+08	134069739	+	2.539E-20	6.47949E-19	0.274403	hyper	sig	chr11_134069739
chr3	52830643	52830643	+	2.539E-20	6.47949E-19	-0.22262	hypo	sig	chr3_52830643
chr17	21452761	21452761	+	2.541E-20	6.48539E-19	0.244954	hyper	sig	chr17_21452761
chr16	54932740	54932740	+	2.542E-20	6.48669E-19	0.261064	hyper	sig	chr16_54932740
chr2	2.42E+08	241891507	+	2.543E-20	6.48984E-19	-0.29146	hypo	sig	chr2_241891507
chr7	1.46E+08	146115696	+	2.545E-20	6.49486E-19	0.330372	hyper	sig	chr7_146115696
chr3	45759494	45759494	+	2.55E-20	6.50779E-19	-0.2372	hypo	sig	chr3_45759494
chr1	1.83E+08	183416940	+	2.553E-20	6.51419E-19	0.214778	hyper	sig	chr1_183416940
chr13	99657908	99657908	+	2.554E-20	6.51838E-19	0.216973	hyper	sig	chr13_99657908
chr4	54102082	54102082	+	2.557E-20	6.52419E-19	0.252409	hyper	sig	chr4_54102082
chr7	1.54E+08	153749176	+	2.561E-20	6.53587E-19	0.278834	hyper	sig	chr7_153749176
chr12	1.11E+08	111033459	+	2.563E-20	6.54056E-19	0.253113	hyper	sig	chr12_111033459
chr7	23710090	23710090	+	2.566E-20	6.54629E-19	-0.21627	hypo	sig	chr7_23710090
chr4	1.22E+08	121765173	+	2.567E-20	6.54883E-19	0.213053	hyper	sig	chr4_121765173
chr6	1.46E+08	146029427	+	2.571E-20	6.56032E-19	0.267403	hyper	sig	chr6_146029427
chr11	1208813	1208813	+	2.572E-20	6.56301E-19	-0.22558	hypo	sig	chr11_1208813

chr16	56190668	56190668	+	2.573E-20	6.56422E-19	0.25445	hyper	sig	chr16_56190668
chr3	6862920	6862920	+	2.576E-20	6.57165E-19	0.313866	hyper	sig	chr3_6862920
chr19	57935043	57935043	+	2.576E-20	6.57185E-19	0.29156	hyper	sig	chr19_57935043
chr4	5052352	5052352	+	2.577E-20	6.57259E-19	0.242115	hyper	sig	chr4_5052352
chr14	1.05E+08	104926838	+	2.578E-20	6.57485E-19	-0.29503	hypo	sig	chr14_104926838
chr10	55628020	55628020	+	2.578E-20	6.57649E-19	0.33477	hyper	sig	chr10_55628020
chr5	1.77E+08	176619965	+	2.579E-20	6.57731E-19	0.235416	hyper	sig	chr5_176619965
chr3	1.28E+08	128481900	+	2.583E-20	6.58792E-19	0.25585	hyper	sig	chr3_128481900
chr12	41189561	41189561	+	2.583E-20	6.58834E-19	0.322967	hyper	sig	chr12_41189561
chr1	1445225	1445225	+	2.586E-20	6.59338E-19	-0.22617	hypo	sig	chr1_1445225
chr7	1.25E+08	124764270	+	2.587E-20	6.59706E-19	0.209011	hyper	sig	chr7_124764270
chr2	61144931	61144931	+	2.592E-20	6.60981E-19	0.225624	hyper	sig	chr2_61144931
chr6	27260461	27260461	+	2.595E-20	6.61642E-19	0.210138	hyper	sig	chr6_27260461
chr11	1.23E+08	123195856	+	2.598E-20	6.62333E-19	0.241224	hyper	sig	chr11_123195856
chr7	50781471	50781471	+	2.607E-20	6.64542E-19	-0.2074	hypo	sig	chr7_50781471
chr17	1137442	1137442	+	2.617E-20	6.67093E-19	-0.30925	hypo	sig	chr17_1137442
chr6	33167976	33167976	+	2.619E-20	6.67571E-19	-0.22491	hypo	sig	chr6_33167976
chr10	22334981	22334981	+	2.619E-20	6.67578E-19	0.271591	hyper	sig	chr10_22334981
chr2	23616992	23616992	+	2.621E-20	6.68205E-19	-0.2507	hypo	sig	chr2_23616992
chr22	22520237	22520237	+	2.629E-20	6.70149E-19	-0.23347	hypo	sig	chr22_22520237
chr6	30127732	30127732	+	2.631E-20	6.7057E-19	0.203631	hyper	sig	chr6_30127732
chr16	7304492	7304492	+	2.632E-20	6.70882E-19	0.279255	hyper	sig	chr16_7304492
chr10	55628011	55628011	+	2.633E-20	6.7104E-19	0.295467	hyper	sig	chr10_55628011
chr6	27213905	27213905	+	2.635E-20	6.71525E-19	0.214872	hyper	sig	chr6_27213905
chr16	7303498	7303498	+	2.637E-20	6.71962E-19	0.265112	hyper	sig	chr16_7303498
chr6	1.68E+08	167977942	+	2.653E-20	6.75888E-19	-0.20526	hypo	sig	chr6_167977942
chr11	27720483	27720483	+	2.655E-20	6.76479E-19	0.225451	hyper	sig	chr11_27720483
chr1	1445241	1445241	+	2.656E-20	6.76721E-19	-0.23491	hypo	sig	chr1_1445241
chr19	10083351	10083351	+	2.659E-20	6.77507E-19	-0.27538	hypo	sig	chr19_10083351
chr7	2193451	2193451	+	2.663E-20	6.78545E-19	-0.21113	hypo	sig	chr7_2193451
chr8	1.01E+08	100860290	+	2.673E-20	6.80934E-19	-0.23092	hypo	sig	chr8_100860290
chr9	971736	971736	+	2.674E-20	6.81089E-19	0.27997	hyper	sig	chr9_971736
chr8	1163742	1163742	+	2.675E-20	6.81427E-19	0.272374	hyper	sig	chr8_1163742
chr2	1.82E+08	181679631	+	2.687E-20	6.84564E-19	0.214592	hyper	sig	chr2_181679631
chr22	16602599	16602599	+	2.689E-20	6.84976E-19	0.20917	hyper	sig	chr22_16602599
chr5	73382440	73382440	+	2.696E-20	6.86809E-19	0.239889	hyper	sig	chr5_73382440
chr14	1.01E+08	100693153	+	2.699E-20	6.874E-19	-0.24649	hypo	sig	chr14_100693153
chr16	89052604	89052604	+	2.7E-20	6.87787E-19	-0.27938	hypo	sig	chr16_89052604
chr7	24285440	24285440	+	2.704E-20	6.88751E-19	0.243052	hyper	sig	chr7_24285440
chr19	10544992	10544992	+	2.708E-20	6.89609E-19	-0.24999	hypo	sig	chr19_10544992
chr11	66420768	66420768	+	2.721E-20	6.92871E-19	0.304198	hyper	sig	chr11_66420768
chr1	14915684	14915684	+	2.723E-20	6.93376E-19	-0.30644	hypo	sig	chr1_14915684
chr5	3197610	3197610	+	2.726E-20	6.9406E-19	0.274481	hyper	sig	chr5_3197610
chr11	1.2E+08	120168242	+	2.732E-20	6.95638E-19	-0.22709	hypo	sig	chr11_120168242
chr1	1.76E+08	175599270	+	2.733E-20	6.95746E-19	0.276757	hyper	sig	chr1_175599270
chr12	1.17E+08	117045262	+	2.737E-20	6.96665E-19	0.235877	hyper	sig	chr12_117045262
chr7	986532	986532	+	2.738E-20	6.97092E-19	-0.22355	hypo	sig	chr7_986532
chr19	9498550	9498550	+	2.742E-20	6.97821E-19	0.291364	hyper	sig	chr19_9498550
chr13	25095979	25095979	+	2.744E-20	6.98302E-19	0.259163	hyper	sig	chr13_25095979
chr13	41455941	41455941	+	2.746E-20	6.98787E-19	-0.20035	hypo	sig	chr13_41455941
chr5	38845660	38845660	+	2.746E-20	6.98954E-19	0.236431	hyper	sig	chr5_38845660
chr3	62379339	62379339	+	2.751E-20	7.00213E-19	0.241469	hyper	sig	chr3_62379339
chr19	33291078	33291078	+	2.756E-20	7.01359E-19	-0.28379	hypo	sig	chr19_33291078
chr16	676791	676791	+	2.757E-20	7.01681E-19	-0.21597	hypo	sig	chr16_676791
chr15	52788736	52788736	+	2.76E-20	7.02389E-19	0.286527	hyper	sig	chr15_52788736
chr11	20208475	20208475	+	2.768E-20	7.04364E-19	0.256445	hyper	sig	chr11_20208475

chr4	7773116	7773116	+	2.777E-20	7.06469E-19	0.227222	hyper	sig	chr4_7773116
chr16	88235165	88235165	+	2.777E-20	7.06644E-19	-0.20196	hypo	sig	chr16_88235165
chr11	69819566	69819566	+	2.779E-20	7.06933E-19	0.260641	hyper	sig	chr11_69819566
chr20	9507056	9507056	+	2.788E-20	7.09163E-19	0.216813	hyper	sig	chr20_9507056
chr2	1893500	1893500	+	2.792E-20	7.10162E-19	-0.30697	hypo	sig	chr2_1893500
chr6	27558500	27558500	+	2.793E-20	7.10494E-19	0.285383	hyper	sig	chr6_27558500
chr10	1.33E+08	133020668	+	2.798E-20	7.11651E-19	0.236312	hyper	sig	chr10_133020668
chr9	1.37E+08	136739611	+	2.799E-20	7.11949E-19	-0.20775	hypo	sig	chr9_136739611
chr11	8168899	8168899	+	2.8E-20	7.12144E-19	0.238067	hyper	sig	chr11_8168899
chr11	20671124	20671124	+	2.8E-20	7.12149E-19	0.308006	hyper	sig	chr11_20671124
chr16	10877393	10877393	+	2.801E-20	7.12297E-19	-0.20683	hypo	sig	chr16_10877393
chr11	1.34E+08	134070625	+	2.805E-20	7.13324E-19	-0.2736	hypo	sig	chr11_134070625
chr17	49915016	49915016	+	2.805E-20	7.13368E-19	-0.24351	hypo	sig	chr17_49915016
chr11	44929701	44929701	+	2.806E-20	7.13644E-19	-0.21238	hypo	sig	chr11_44929701
chr7	3181525	3181525	+	2.812E-20	7.14983E-19	-0.224	hypo	sig	chr7_3181525
chr20	21511086	21511086	+	2.812E-20	7.15077E-19	0.296037	hyper	sig	chr20_21511086
chr11	67639679	67639679	+	2.812E-20	7.15159E-19	-0.22552	hypo	sig	chr11_67639679
chr6	84763491	84763491	+	2.814E-20	7.15408E-19	0.301002	hyper	sig	chr6_84763491
chr7	1.51E+08	151014050	+	2.82E-20	7.16982E-19	0.213741	hyper	sig	chr7_151014050
chr1	75130290	75130290	+	2.823E-20	7.17776E-19	0.230629	hyper	sig	chr1_75130290
chr5	88672056	88672056	+	2.825E-20	7.18312E-19	0.24749	hyper	sig	chr5_88672056
chr16	55656502	55656502	+	2.828E-20	7.18853E-19	0.221405	hyper	sig	chr16_55656502
chr5	1.41E+08	141403303	+	2.835E-20	7.20805E-19	0.220248	hyper	sig	chr5_141403303
chr1	24920431	24920431	+	2.836E-20	7.20848E-19	-0.20671	hypo	sig	chr1_24920431
chr5	1.79E+08	178940637	+	2.836E-20	7.20992E-19	0.300005	hyper	sig	chr5_178940637
chr2	2.42E+08	241820440	+	2.838E-20	7.21374E-19	-0.30706	hypo	sig	chr2_241820440
chr15	45116676	45116676	+	2.839E-20	7.21614E-19	0.219213	hyper	sig	chr15_45116676
chr6	99607278	99607278	+	2.84E-20	7.2197E-19	0.245058	hyper	sig	chr6_99607278
chr3	1.96E+08	196142800	+	2.841E-20	7.21992E-19	-0.35773	hypo	sig	chr3_196142800
chr6	1.7E+08	170244238	+	2.849E-20	7.24004E-19	-0.23323	hypo	sig	chr6_170244238
chr1	2.35E+08	234970043	+	2.849E-20	7.24014E-19	0.247335	hyper	sig	chr1_234970043
chr5	538639	538639	+	2.857E-20	7.26095E-19	-0.21154	hypo	sig	chr5_538639
chr1	1965157	1965157	+	2.861E-20	7.27114E-19	-0.23478	hypo	sig	chr1_1965157
chr20	9515929	9515929	+	2.865E-20	7.28077E-19	0.219813	hyper	sig	chr20_9515929
chr13	78608027	78608027	+	2.873E-20	7.30023E-19	0.270174	hyper	sig	chr13_78608027
chr5	1.41E+08	140807576	+	2.875E-20	7.30298E-19	0.202203	hyper	sig	chr5_140807576
chr16	54940042	54940042	+	2.882E-20	7.32093E-19	0.230478	hyper	sig	chr16_54940042
chr5	2338854	2338854	+	2.885E-20	7.3304E-19	-0.22599	hypo	sig	chr5_2338854
chr13	98444308	98444308	+	2.886E-20	7.33151E-19	-0.24055	hypo	sig	chr13_98444308
chr17	83084997	83084997	+	2.886E-20	7.33229E-19	-0.22848	hypo	sig	chr17_83084997
chr20	56627825	56627825	+	2.888E-20	7.33551E-19	0.268192	hyper	sig	chr20_56627825
chr15	96779902	96779902	+	2.894E-20	7.35164E-19	-0.2693	hypo	sig	chr15_96779902
chr1	1.45E+08	144551221	+	2.897E-20	7.35762E-19	0.242981	hyper	sig	chr1_144551221
chr6	63571734	63571734	+	2.898E-20	7.36107E-19	-0.28281	hypo	sig	chr6_63571734
chr8	76683124	76683124	+	2.9E-20	7.3649E-19	0.25768	hyper	sig	chr8_76683124
chr17	79711859	79711859	+	2.906E-20	7.37859E-19	-0.26663	hypo	sig	chr17_79711859
chr13	48319105	48319105	+	2.912E-20	7.39443E-19	0.284462	hyper	sig	chr13_48319105
chr10	68957544	68957544	+	2.914E-20	7.39893E-19	-0.23796	hypo	sig	chr10_68957544
chr5	1.16E+08	115962292	+	2.915E-20	7.40074E-19	0.323553	hyper	sig	chr5_115962292
chr14	1.01E+08	101047352	+	2.916E-20	7.40395E-19	-0.20897	hypo	sig	chr14_101047352
chr11	55872896	55872896	+	2.921E-20	7.41429E-19	0.293486	hyper	sig	chr11_55872896
chr3	79768125	79768125	+	2.926E-20	7.42921E-19	0.230637	hyper	sig	chr3_79768125
chr16	49484241	49484241	+	2.933E-20	7.44467E-19	0.288533	hyper	sig	chr16_49484241
chr1	1.57E+08	156844720	+	2.933E-20	7.44637E-19	0.214096	hyper	sig	chr1_156844720
chr5	73382303	73382303	+	2.935E-20	7.4508E-19	0.250297	hyper	sig	chr5_73382303
chr22	17371028	17371028	+	2.935E-20	7.45091E-19	0.220959	hyper	sig	chr22_17371028

chr7	1.24E+08	124481008	+	2.949E-20	7.48405E-19	-0.23653	hypo	sig	chr7_124481008
chr13	78608070	78608070	+	2.95E-20	7.48705E-19	0.248344	hyper	sig	chr13_78608070
chr8	1.41E+08	141230956	+	2.95E-20	7.48765E-19	-0.34	hypo	sig	chr8_141230956
chr16	55323841	55323841	+	2.952E-20	7.49094E-19	0.231611	hyper	sig	chr16_55323841
chr10	1.01E+08	101284555	+	2.953E-20	7.49367E-19	0.244232	hyper	sig	chr10_101284555
chr1	3360167	3360167	+	2.953E-20	7.49412E-19	-0.22819	hypo	sig	chr1_3360167
chr16	775470	775470	+	2.957E-20	7.50296E-19	-0.28847	hypo	sig	chr16_775470
chr11	94401145	94401145	+	2.959E-20	7.50722E-19	0.279291	hyper	sig	chr11_94401145
chr15	82949249	82949249	+	2.96E-20	7.51099E-19	-0.38149	hypo	sig	chr15_82949249
chr19	58356321	58356321	+	2.969E-20	7.5325E-19	0.219159	hyper	sig	chr19_58356321
chr2	5677353	5677353	+	2.97E-20	7.53567E-19	-0.30968	hypo	sig	chr2_5677353
chr14	28775001	28775001	+	2.976E-20	7.55013E-19	0.221527	hyper	sig	chr14_28775001
chr1	1.47E+08	147072490	+	2.977E-20	7.55313E-19	0.220327	hyper	sig	chr1_147072490
chr3	50322610	50322610	+	2.979E-20	7.55775E-19	-0.20129	hypo	sig	chr3_50322610
chr1	6466338	6466338	+	2.982E-20	7.56487E-19	0.202794	hyper	sig	chr1_6466338
chr2	1.19E+08	119157591	+	2.984E-20	7.5702E-19	0.283034	hyper	sig	chr2_119157591
chr19	50943710	50943710	+	2.985E-20	7.57257E-19	-0.30388	hypo	sig	chr19_50943710
chr15	83379533	83379533	+	2.986E-20	7.57387E-19	0.224472	hyper	sig	chr15_83379533
chr8	64798255	64798255	+	2.991E-20	7.58594E-19	0.229917	hyper	sig	chr8_64798255
chr2	63059489	63059489	+	2.992E-20	7.58813E-19	0.233577	hyper	sig	chr2_63059489
chr6	1.33E+08	133241638	+	3.007E-20	7.62672E-19	0.411731	hyper	sig	chr6_133241638
chr22	50091419	50091419	+	3.018E-20	7.65294E-19	-0.20469	hypo	sig	chr22_50091419
chr1	6494849	6494849	+	3.019E-20	7.65522E-19	-0.21095	hypo	sig	chr1_6494849
chr8	1.43E+08	142567241	+	3.021E-20	7.66173E-19	-0.31015	hypo	sig	chr8_142567241
chr13	27383759	27383759	+	3.022E-20	7.66263E-19	-0.25347	hypo	sig	chr13_27383759
chr3	43998446	43998446	+	3.023E-20	7.66446E-19	0.22193	hyper	sig	chr3_43998446
chr6	28810449	28810449	+	3.023E-20	7.66446E-19	0.220274	hyper	sig	chr6_28810449
chr1	2.31E+08	231160040	+	3.037E-20	7.70077E-19	-0.27541	hypo	sig	chr1_231160040
chr1	43565525	43565525	+	3.038E-20	7.70145E-19	0.216449	hyper	sig	chr1_43565525
chr3	44021833	44021833	+	3.039E-20	7.70592E-19	0.216308	hyper	sig	chr3_44021833
chr21	33025777	33025777	+	3.041E-20	7.71044E-19	0.317102	hyper	sig	chr21_33025777
chr14	26204975	26204975	+	3.047E-20	7.72349E-19	0.246703	hyper	sig	chr14_26204975
chr1	1.48E+08	148318342	+	3.047E-20	7.72428E-19	0.277646	hyper	sig	chr1_148318342
chr5	1.73E+08	173234041	+	3.05E-20	7.73109E-19	0.282769	hyper	sig	chr5_173234041
chr11	83458150	83458150	+	3.05E-20	7.73197E-19	-0.28412	hypo	sig	chr11_83458150
chr5	88689757	88689757	+	3.059E-20	7.75242E-19	0.238594	hyper	sig	chr5_88689757
chr11	1208731	1208731	+	3.06E-20	7.75608E-19	-0.22491	hypo	sig	chr11_1208731
chr2	1.76E+08	176190440	+	3.062E-20	7.76121E-19	-0.20778	hypo	sig	chr2_176190440
chr2	73291597	73291597	+	3.063E-20	7.76138E-19	0.212878	hyper	sig	chr2_73291597
chr3	1.47E+08	147422357	+	3.069E-20	7.77838E-19	0.22871	hyper	sig	chr3_147422357
chr16	88935635	88935635	+	3.072E-20	7.78537E-19	-0.20883	hypo	sig	chr16_88935635
chr2	1.3E+08	130037204	+	3.073E-20	7.78618E-19	0.282105	hyper	sig	chr2_130037204
chr10	55631279	55631279	+	3.083E-20	7.81206E-19	0.28549	hyper	sig	chr10_55631279
chr12	53927482	53927482	+	3.085E-20	7.8156E-19	0.240021	hyper	sig	chr12_53927482
chr5	73232363	73232363	+	3.087E-20	7.82144E-19	0.261136	hyper	sig	chr5_73232363
chr12	41188261	41188261	+	3.094E-20	7.83931E-19	0.305385	hyper	sig	chr12_41188261
chr12	1.17E+08	117143305	+	3.101E-20	7.85699E-19	-0.29795	hypo	sig	chr12_117143305
chr3	47009990	47009990	+	3.105E-20	7.86506E-19	0.3425	hyper	sig	chr3_47009990
chr8	1.31E+08	131039831	+	3.105E-20	7.86506E-19	0.281739	hyper	sig	chr8_131039831
chr6	84766492	84766492	+	3.105E-20	7.86586E-19	0.296906	hyper	sig	chr6_84766492
chr4	1.47E+08	146640799	+	3.107E-20	7.86853E-19	0.280278	hyper	sig	chr4_146640799
chr11	66011496	66011496	+	3.107E-20	7.87033E-19	-0.25558	hypo	sig	chr11_66011496
chr11	1931559	1931559	+	3.113E-20	7.88437E-19	-0.2207	hypo	sig	chr11_1931559
chr13	57629978	57629978	+	3.116E-20	7.89101E-19	0.282386	hyper	sig	chr13_57629978
chr1	52842925	52842925	+	3.116E-20	7.89185E-19	0.242005	hyper	sig	chr1_52842925
chr13	1.1E+08	110309481	+	3.116E-20	7.89185E-19	0.222892	hyper	sig	chr13_110309481

chr6	35769559	35769559	+	3.117E-20	7.89212E-19	-0.27833	hypo	sig	chr6_35769559
chr5	1.41E+08	140841779	+	3.126E-20	7.91589E-19	0.266335	hyper	sig	chr5_140841779
chr11	862781	862781	+	3.135E-20	7.93714E-19	-0.21916	hypo	sig	chr11_862781
chr7	31060198	31060198	+	3.135E-20	7.93721E-19	-0.23938	hypo	sig	chr7_31060198
chr17	78041238	78041238	+	3.136E-20	7.9397E-19	-0.20806	hypo	sig	chr17_78041238
chr7	1.49E+08	149415298	+	3.137E-20	7.94158E-19	0.242424	hyper	sig	chr7_149415298
chr1	1.81E+08	181318645	+	3.14E-20	7.94768E-19	0.239404	hyper	sig	chr1_181318645
chr14	36654482	36654482	+	3.14E-20	7.94768E-19	0.236934	hyper	sig	chr14_36654482
chr20	62352797	62352797	+	3.148E-20	7.96725E-19	-0.2946	hypo	sig	chr20_62352797
chr7	96993326	96993326	+	3.152E-20	7.97732E-19	0.201206	hyper	sig	chr7_96993326
chr8	1.34E+08	134478466	+	3.156E-20	7.98866E-19	-0.21254	hypo	sig	chr8_134478466
chr4	1349001	1349001	+	3.163E-20	8.00444E-19	-0.21696	hypo	sig	chr4_1349001
chr17	76386987	76386987	+	3.164E-20	8.00766E-19	-0.22289	hypo	sig	chr17_76386987
chr3	22372189	22372189	+	3.167E-20	8.01435E-19	0.304527	hyper	sig	chr3_22372189
chr14	1.03E+08	103187243	+	3.169E-20	8.01966E-19	-0.25126	hypo	sig	chr14_103187243
chr6	28648575	28648575	+	3.173E-20	8.02882E-19	0.342482	hyper	sig	chr6_28648575
chr10	1.33E+08	133102235	+	3.174E-20	8.03253E-19	-0.23487	hypo	sig	chr10_133102235
chr1	2.28E+08	228058960	+	3.176E-20	8.03652E-19	0.24108	hyper	sig	chr1_228058960
chr6	10887288	10887288	+	3.176E-20	8.03652E-19	0.274251	hyper	sig	chr6_10887288
chr10	99528109	99528109	+	3.177E-20	8.03924E-19	0.22716	hyper	sig	chr10_99528109
chr8	1.41E+08	141230950	+	3.179E-20	8.04223E-19	-0.34208	hypo	sig	chr8_141230950
chr4	386740	386740	+	3.179E-20	8.04242E-19	0.299928	hyper	sig	chr4_386740
chr13	1.13E+08	113109886	+	3.184E-20	8.05431E-19	0.252781	hyper	sig	chr13_113109886
chr11	79438348	79438348	+	3.184E-20	8.05567E-19	0.264706	hyper	sig	chr11_79438348
chr15	26866540	26866540	+	3.189E-20	8.0661E-19	0.237416	hyper	sig	chr15_26866540
chr1	2.43E+08	242525331	+	3.198E-20	8.08864E-19	0.213141	hyper	sig	chr1_242525331
chr9	1.33E+08	133473140	+	3.201E-20	8.09785E-19	-0.20266	hypo	sig	chr9_133473140
chr8	64578622	64578622	+	3.203E-20	8.10186E-19	0.203054	hyper	sig	chr8_64578622
chr7	5237584	5237584	+	3.21E-20	8.11911E-19	-0.21955	hypo	sig	chr7_5237584
chr2	1.27E+08	126774812	+	3.211E-20	8.12124E-19	-0.20401	hypo	sig	chr2_126774812
chr16	85179363	85179363	+	3.215E-20	8.13207E-19	-0.21085	hypo	sig	chr16_85179363
chr4	80185124	80185124	+	3.218E-20	8.1378E-19	0.202146	hyper	sig	chr4_80185124
chr3	87089485	87089485	+	3.222E-20	8.14761E-19	0.211998	hyper	sig	chr3_87089485
chr2	2.02E+08	202123530	+	3.223E-20	8.15064E-19	-0.32089	hypo	sig	chr2_202123530
chr2	96527814	96527814	+	3.23E-20	8.16838E-19	0.312429	hyper	sig	chr2_96527814
chr2	1.05E+08	104845855	+	3.236E-20	8.18278E-19	0.279192	hyper	sig	chr2_104845855
chr3	1.29E+08	129046049	+	3.24E-20	8.19174E-19	0.234314	hyper	sig	chr3_129046049
chr16	85162510	85162510	+	3.243E-20	8.19952E-19	-0.2296	hypo	sig	chr16_85162510
chr10	2949997	2949997	+	3.25E-20	8.21591E-19	-0.24418	hypo	sig	chr10_2949997
chr8	49909608	49909608	+	3.25E-20	8.21591E-19	0.299771	hyper	sig	chr8_49909608
chr20	25082086	25082086	+	3.263E-20	8.2471E-19	0.228204	hyper	sig	chr20_25082086
chr9	1.33E+08	132579862	+	3.267E-20	8.25647E-19	0.231691	hyper	sig	chr9_132579862
chr9	1.28E+08	127762691	+	3.271E-20	8.26619E-19	-0.27695	hypo	sig	chr9_127762691
chr15	89371995	89371995	+	3.272E-20	8.26917E-19	0.255859	hyper	sig	chr15_89371995
chr19	4559818	4559818	+	3.276E-20	8.28021E-19	-0.30606	hypo	sig	chr19_4559818
chr19	5245917	5245917	+	3.277E-20	8.28021E-19	-0.22055	hypo	sig	chr19_5245917
chr22	19765298	19765298	+	3.28E-20	8.28985E-19	0.252024	hyper	sig	chr22_19765298
chr6	1.34E+08	133889554	+	3.29E-20	8.31292E-19	0.279642	hyper	sig	chr6_133889554
chr11	1208842	1208842	+	3.294E-20	8.32393E-19	-0.23593	hypo	sig	chr11_1208842
chr12	1.3E+08	130161497	+	3.304E-20	8.34892E-19	0.206144	hyper	sig	chr12_130161497
chr5	77632764	77632764	+	3.309E-20	8.35976E-19	0.242376	hyper	sig	chr5_77632764
chr1	2.14E+08	214187621	+	3.311E-20	8.36554E-19	0.208993	hyper	sig	chr1_214187621
chr3	1.35E+08	134650631	+	3.332E-20	8.41689E-19	0.233647	hyper	sig	chr3_134650631
chr22	18969302	18969302	+	3.332E-20	8.41774E-19	-0.20033	hypo	sig	chr22_18969302
chr2	70896103	70896103	+	3.333E-20	8.41839E-19	-0.31667	hypo	sig	chr2_70896103
chr8	64369126	64369126	+	3.333E-20	8.41869E-19	0.3225	hyper	sig	chr8_64369126

chr6	1.59E+08	158663444	+	3.333E-20	8.41997E-19	-0.29634	hypo	sig	chr6_158663444
chr7	1.54E+08	153749129	+	3.336E-20	8.42544E-19	0.257327	hyper	sig	chr7_153749129
chr14	60486201	60486201	+	3.344E-20	8.44665E-19	0.279716	hyper	sig	chr14_60486201
chr1	2879628	2879628	+	3.345E-20	8.44786E-19	-0.2211	hypo	sig	chr1_2879628
chr3	55474519	55474519	+	3.345E-20	8.4488E-19	0.214598	hyper	sig	chr3_55474519
chr5	440065	440065	+	3.348E-20	8.45545E-19	-0.23326	hypo	sig	chr5_440065
chr1	1.81E+08	181483869	+	3.355E-20	8.47193E-19	0.255486	hyper	sig	chr1_181483869
chr1	1939657	1939657	+	3.359E-20	8.48094E-19	-0.22469	hypo	sig	chr1_1939657
chr22	32204735	32204735	+	3.361E-20	8.48623E-19	-0.22163	hypo	sig	chr22_32204735
chr6	1.06E+08	105981279	+	3.363E-20	8.49264E-19	0.270907	hyper	sig	chr6_105981279
chr14	1.04E+08	104422786	+	3.373E-20	8.51596E-19	0.234124	hyper	sig	chr14_104422786
chr20	9838659	9838659	+	3.382E-20	8.53771E-19	0.268137	hyper	sig	chr20_9838659
chr4	1.55E+08	154740082	+	3.385E-20	8.54716E-19	-0.27641	hypo	sig	chr4_154740082
chr19	9498499	9498499	+	3.392E-20	8.56404E-19	0.292496	hyper	sig	chr19_9498499
chr11	528939	528939	+	3.399E-20	8.58105E-19	-0.20899	hypo	sig	chr11_528939
chr12	75207695	75207695	+	3.4E-20	8.58303E-19	0.241462	hyper	sig	chr12_75207695
chr6	12749122	12749122	+	3.417E-20	8.62471E-19	0.23442	hyper	sig	chr6_12749122
chr9	1.31E+08	130664777	+	3.42E-20	8.6308E-19	0.24583	hyper	sig	chr9_130664777
chr19	56507545	56507545	+	3.425E-20	8.64492E-19	0.270019	hyper	sig	chr19_56507545
chr10	70460063	70460063	+	3.431E-20	8.65974E-19	-0.2092	hypo	sig	chr10_70460063
chr6	32058833	32058833	+	3.432E-20	8.66094E-19	-0.24244	hypo	sig	chr6_32058833
chr6	1.46E+08	146434499	+	3.437E-20	8.67419E-19	0.255585	hyper	sig	chr6_146434499
chr14	99792882	99792882	+	3.44E-20	8.6805E-19	0.239818	hyper	sig	chr14_99792882
chr5	10651785	10651785	+	3.442E-20	8.68499E-19	-0.20844	hypo	sig	chr5_10651785
chr2	74515235	74515235	+	3.447E-20	8.69756E-19	0.263838	hyper	sig	chr2_74515235
chr15	60627321	60627321	+	3.457E-20	8.72327E-19	-0.25039	hypo	sig	chr15_60627321
chr16	51156027	51156027	+	3.465E-20	8.74247E-19	0.236291	hyper	sig	chr16_51156027
chr1	47445664	47445664	+	3.466E-20	8.7432E-19	0.295793	hyper	sig	chr1_47445664
chr2	20671296	20671296	+	3.469E-20	8.75079E-19	0.248681	hyper	sig	chr2_20671296
chr1	75614774	75614774	+	3.469E-20	8.75113E-19	0.215355	hyper	sig	chr1_75614774
chr7	27124204	27124204	+	3.477E-20	8.76955E-19	0.212979	hyper	sig	chr7_27124204
chr3	1.57E+08	156555697	+	3.478E-20	8.77234E-19	-0.26524	hypo	sig	chr3_156555697
chr7	2662029	2662029	+	3.482E-20	8.78096E-19	-0.27244	hypo	sig	chr7_2662029
chr4	80185512	80185512	+	3.483E-20	8.7834E-19	0.273649	hyper	sig	chr4_80185512
chr19	39308426	39308426	+	3.492E-20	8.80681E-19	0.256638	hyper	sig	chr19_39308426
chr10	1.32E+08	132293585	+	3.497E-20	8.81715E-19	-0.24301	hypo	sig	chr10_132293585
chr16	1443735	1443735	+	3.507E-20	8.84258E-19	-0.27342	hypo	sig	chr16_1443735
chr14	60507258	60507258	+	3.511E-20	8.85182E-19	0.297952	hyper	sig	chr14_60507258
chr19	840873	840873	+	3.513E-20	8.85742E-19	-0.21933	hypo	sig	chr19_840873
chr7	64045919	64045919	+	3.514E-20	8.86029E-19	0.256151	hyper	sig	chr7_64045919
chr8	1.16E+08	115648318	+	3.519E-20	8.87105E-19	0.274041	hyper	sig	chr8_115648318
chr1	4653948	4653948	+	3.519E-20	8.8724E-19	0.302935	hyper	sig	chr1_4653948
chr1	2.37E+08	236687059	+	3.521E-20	8.87593E-19	0.201092	hyper	sig	chr1_236687059
chr6	27680225	27680225	+	3.524E-20	8.8827E-19	0.203176	hyper	sig	chr6_27680225
chr12	53975650	53975650	+	3.525E-20	8.8856E-19	0.229649	hyper	sig	chr12_53975650
chr1	57423417	57423417	+	3.527E-20	8.89061E-19	0.259855	hyper	sig	chr1_57423417
chr10	1403155	1403155	+	3.553E-20	8.95444E-19	-0.26511	hypo	sig	chr10_1403155
chr16	1146657	1146657	+	3.555E-20	8.95871E-19	-0.22219	hypo	sig	chr16_1146657
chr4	1.74E+08	174211952	+	3.555E-20	8.95871E-19	0.205226	hyper	sig	chr4_174211952
chr21	33023864	33023864	+	3.559E-20	8.96655E-19	0.261411	hyper	sig	chr21_33023864
chr10	99531161	99531161	+	3.568E-20	8.99029E-19	0.200755	hyper	sig	chr10_99531161
chr21	36705094	36705094	+	3.576E-20	9.0093E-19	0.225909	hyper	sig	chr21_36705094
chr20	3408888	3408888	+	3.582E-20	9.02431E-19	0.203275	hyper	sig	chr20_3408888
chr5	73230958	73230958	+	3.583E-20	9.02705E-19	0.270783	hyper	sig	chr5_73230958
chr1	67701006	67701006	+	3.585E-20	9.02953E-19	-0.26655	hypo	sig	chr1_67701006
chr5	1194090	1194090	+	3.592E-20	9.04724E-19	-0.31429	hypo	sig	chr5_1194090

chr6	73580793	73580793	+	3.592E-20	9.04724E-19	-0.2033	hypo	sig	chr6_73580793
chr5	1.79E+08	178940553	+	3.593E-20	9.04784E-19	0.292612	hyper	sig	chr5_178940553
chr10	1.33E+08	133039580	+	3.593E-20	9.04866E-19	-0.20029	hypo	sig	chr10_133039580
chr2	1.06E+08	106488123	+	3.6E-20	9.0649E-19	-0.25163	hypo	sig	chr2_106488123
chr16	88227825	88227825	+	3.608E-20	9.08588E-19	-0.21376	hypo	sig	chr16_88227825
chr1	6276601	6276601	+	3.617E-20	9.10665E-19	0.248707	hyper	sig	chr1_6276601
chr19	30450951	30450951	+	3.618E-20	9.10854E-19	0.221069	hyper	sig	chr19_30450951
chr19	1993076	1993076	+	3.62E-20	9.11427E-19	-0.21156	hypo	sig	chr19_1993076
chr15	24773080	24773080	+	3.621E-20	9.11453E-19	0.212813	hyper	sig	chr15_24773080
chr4	4226442	4226442	+	3.634E-20	9.14738E-19	0.259743	hyper	sig	chr4_4226442
chr3	1.25E+08	125141968	+	3.636E-20	9.15242E-19	0.2946	hyper	sig	chr3_125141968
chr8	11562276	11562276	+	3.637E-20	9.15569E-19	-0.28394	hypo	sig	chr8_11562276
chr6	1.7E+08	170166726	+	3.64E-20	9.16075E-19	-0.22888	hypo	sig	chr6_170166726
chr10	1.33E+08	132943099	+	3.642E-20	9.16524E-19	0.284112	hyper	sig	chr10_132943099
chr14	76138852	76138852	+	3.642E-20	9.1657E-19	0.300074	hyper	sig	chr14_76138852
chr1	75130572	75130572	+	3.643E-20	9.16845E-19	0.214712	hyper	sig	chr1_75130572
chr8	1.42E+08	141974036	+	3.646E-20	9.17516E-19	-0.22878	hypo	sig	chr8_141974036
chr16	1543841	1543841	+	3.649E-20	9.18387E-19	-0.23136	hypo	sig	chr16_1543841
chr7	97002626	97002626	+	3.65E-20	9.18589E-19	0.229826	hyper	sig	chr7_97002626
chr3	6862914	6862914	+	3.653E-20	9.19219E-19	0.311786	hyper	sig	chr3_6862914
chr5	44388989	44388989	+	3.658E-20	9.20419E-19	0.281543	hyper	sig	chr5_44388989
chr3	1.33E+08	133038266	+	3.66E-20	9.20918E-19	0.243812	hyper	sig	chr3_133038266
chr5	1885466	1885466	+	3.667E-20	9.22712E-19	0.208753	hyper	sig	chr5_1885466
chr5	1.59E+08	159105322	+	3.676E-20	9.24793E-19	0.225133	hyper	sig	chr5_159105322
chr19	28727253	28727253	+	3.678E-20	9.253E-19	0.281138	hyper	sig	chr19_28727253
chr17	44967376	44967376	+	3.693E-20	9.29012E-19	0.255051	hyper	sig	chr17_44967376
chr17	1203869	1203869	+	3.693E-20	9.29095E-19	0.308189	hyper	sig	chr17_1203869
chr6	7129481	7129481	+	3.694E-20	9.29176E-19	-0.24054	hypo	sig	chr6_7129481
chr2	1.11E+08	110735779	+	3.699E-20	9.30503E-19	-0.25804	hypo	sig	chr2_110735779
chr14	62117838	62117838	+	3.701E-20	9.30877E-19	0.210759	hyper	sig	chr14_62117838
chr10	1.32E+08	132248152	+	3.71E-20	9.3315E-19	-0.20083	hypo	sig	chr10_132248152
chr11	1.34E+08	133788082	+	3.71E-20	9.33268E-19	0.304015	hyper	sig	chr11_133788082
chr12	24903309	24903309	+	3.715E-20	9.34441E-19	0.278577	hyper	sig	chr12_24903309
chr17	78258237	78258237	+	3.725E-20	9.36806E-19	-0.22207	hypo	sig	chr17_78258237
chr17	82321426	82321426	+	3.739E-20	9.40208E-19	-0.29964	hypo	sig	chr17_82321426
chr19	57099548	57099548	+	3.744E-20	9.41437E-19	0.310576	hyper	sig	chr19_57099548
chr10	25935154	25935154	+	3.746E-20	9.41976E-19	0.248252	hyper	sig	chr10_25935154
chr6	36285430	36285430	+	3.751E-20	9.43181E-19	0.221085	hyper	sig	chr6_36285430
chr2	1.81E+08	181458065	+	3.754E-20	9.43916E-19	0.30042	hyper	sig	chr2_181458065
chr6	10384879	10384879	+	3.756E-20	9.4445E-19	0.294124	hyper	sig	chr6_10384879
chr5	538626	538626	+	3.763E-20	9.46013E-19	-0.2113	hypo	sig	chr5_538626
chr5	1662643	1662643	+	3.766E-20	9.46845E-19	-0.23799	hypo	sig	chr5_1662643
chr5	2748046	2748046	+	3.773E-20	9.48524E-19	0.268763	hyper	sig	chr5_2748046
chr19	52493222	52493222	+	3.778E-20	9.49637E-19	0.313256	hyper	sig	chr19_52493222
chr7	1.55E+08	155465558	+	3.801E-20	9.55539E-19	0.228199	hyper	sig	chr7_155465558
chr20	43188380	43188380	+	3.816E-20	9.58941E-19	0.238009	hyper	sig	chr20_43188380
chr10	1.33E+08	133071028	+	3.817E-20	9.59217E-19	-0.21606	hypo	sig	chr10_133071028
chr6	10887469	10887469	+	3.821E-20	9.60284E-19	0.287357	hyper	sig	chr6_10887469
chr13	35478942	35478942	+	3.827E-20	9.61828E-19	0.20808	hyper	sig	chr13_35478942
chr1	2.03E+08	203223609	+	3.83E-20	9.62407E-19	-0.21012	hypo	sig	chr1_203223609
chr7	1.55E+08	154915302	+	3.833E-20	9.6323E-19	-0.25069	hypo	sig	chr7_154915302
chr11	1.33E+08	133079611	+	3.836E-20	9.63778E-19	-0.2377	hypo	sig	chr11_133079611
chr1	69569461	69569461	+	3.836E-20	9.63817E-19	0.28348	hyper	sig	chr1_69569461
chr10	697991	697991	+	3.851E-20	9.67595E-19	-0.24867	hypo	sig	chr10_697991
chr7	41965250	41965250	+	3.862E-20	9.70182E-19	-0.20598	hypo	sig	chr7_41965250
chr17	35766658	35766658	+	3.865E-20	9.71075E-19	-0.22814	hypo	sig	chr17_35766658

chr3	1.47E+08	147357301	+	3.868E-20	9.71726E-19	0.226311	hyper	sig	chr3_147357301
chr2	1.54E+08	153872036	+	3.871E-20	9.72548E-19	0.221493	hyper	sig	chr2_153872036
chr3	47010025	47010025	+	3.876E-20	9.73574E-19	0.313718	hyper	sig	chr3_47010025
chr16	51153960	51153960	+	3.882E-20	9.75096E-19	0.270217	hyper	sig	chr16_51153960
chr17	6992059	6992059	+	3.887E-20	9.76248E-19	-0.33706	hypo	sig	chr17_6992059
chr6	1.7E+08	170081699	+	3.897E-20	9.78822E-19	-0.20885	hypo	sig	chr6_170081699
chr14	1.01E+08	101442502	+	3.898E-20	9.78994E-19	-0.21519	hypo	sig	chr14_101442502
chr10	1.32E+08	132373422	+	3.902E-20	9.79866E-19	-0.2117	hypo	sig	chr10_132373422
chr5	1.33E+08	132748304	+	3.902E-20	9.79908E-19	-0.31125	hypo	sig	chr5_132748304
chr12	57727750	57727750	+	3.903E-20	9.80134E-19	0.264404	hyper	sig	chr12_57727750
chr18	21242969	21242969	+	3.903E-20	9.80134E-19	0.215294	hyper	sig	chr18_21242969
chr21	33025425	33025425	+	3.915E-20	9.83122E-19	0.204003	hyper	sig	chr21_33025425
chr5	1.41E+08	141491998	+	3.919E-20	9.84195E-19	0.320433	hyper	sig	chr5_141491998
chr3	23668785	23668785	+	3.922E-20	9.84684E-19	-0.28727	hypo	sig	chr3_23668785
chr19	57583782	57583782	+	3.923E-20	9.84915E-19	0.258634	hyper	sig	chr19_57583782
chr16	85697650	85697650	+	3.928E-20	9.86134E-19	-0.2344	hypo	sig	chr16_85697650
chr9	1.27E+08	126625525	+	3.931E-20	9.86961E-19	0.245785	hyper	sig	chr9_126625525
chr2	1.92E+08	192194758	+	3.932E-20	9.8716E-19	0.21977	hyper	sig	chr2_192194758
chr19	45472891	45472891	+	3.936E-20	9.87959E-19	0.307029	hyper	sig	chr19_45472891
chr7	4792514	4792514	+	3.95E-20	9.91448E-19	0.214266	hyper	sig	chr7_4792514
chr14	47676341	47676341	+	3.956E-20	9.93035E-19	0.32605	hyper	sig	chr14_47676341
chr20	9515846	9515846	+	3.963E-20	9.94636E-19	0.281971	hyper	sig	chr20_9515846
chr5	1.79E+08	179344775	+	3.963E-20	9.94734E-19	0.235209	hyper	sig	chr5_179344775
chr1	51594771	51594771	+	3.966E-20	9.9546E-19	-0.22726	hypo	sig	chr1_51594771
chr8	13566535	13566535	+	3.966E-20	9.9547E-19	0.24326	hyper	sig	chr8_13566535
chr17	48972528	48972528	+	3.974E-20	9.97444E-19	-0.20547	hypo	sig	chr17_48972528
chr6	50725019	50725019	+	3.975E-20	9.97536E-19	0.276914	hyper	sig	chr6_50725019
chr8	84183806	84183806	+	3.983E-20	9.99415E-19	0.256703	hyper	sig	chr8_84183806
chr5	2739088	2739088	+	3.986E-20	1.00029E-18	0.212508	hyper	sig	chr5_2739088
chr4	108030	108030	+	3.988E-20	1.00057E-18	0.353922	hyper	sig	chr4_108030
chr6	27772341	27772341	+	3.991E-20	1.00127E-18	-0.22169	hypo	sig	chr6_27772341
chr7	76166403	76166403	+	3.992E-20	1.00154E-18	-0.35732	hypo	sig	chr7_76166403
chr17	440340	440340	+	3.999E-20	1.00326E-18	-0.28598	hypo	sig	chr17_440340
chr11	1.23E+08	123195835	+	4.006E-20	1.00497E-18	0.249019	hyper	sig	chr11_123195835
chr17	1907187	1907187	+	4.01E-20	1.00601E-18	-0.21695	hypo	sig	chr17_1907187
chr10	75408795	75408795	+	4.014E-20	1.00679E-18	0.219881	hyper	sig	chr10_75408795
chr19	48297398	48297398	+	4.016E-20	1.00734E-18	-0.25563	hypo	sig	chr19_48297398
chr5	1.41E+08	141370267	+	4.024E-20	1.00939E-18	0.232396	hyper	sig	chr5_141370267
chr13	52848246	52848246	+	4.027E-20	1.00999E-18	0.210043	hyper	sig	chr13_52848246
chr14	1.05E+08	105185449	+	4.027E-20	1.0101E-18	-0.28767	hypo	sig	chr14_105185449
chr7	1566630	1566630	+	4.029E-20	1.01059E-18	-0.21392	hypo	sig	chr7_1566630
chr1	47433540	47433540	+	4.031E-20	1.01087E-18	0.292987	hyper	sig	chr1_47433540
chr4	107991	107991	+	4.038E-20	1.01264E-18	0.368839	hyper	sig	chr4_107991
chr19	57708751	57708751	+	4.042E-20	1.01359E-18	0.325301	hyper	sig	chr19_57708751
chr22	32204778	32204778	+	4.045E-20	1.0143E-18	-0.24906	hypo	sig	chr22_32204778
chr4	1.07E+08	107036232	+	4.046E-20	1.01443E-18	0.299479	hyper	sig	chr4_107036232
chr5	1.59E+08	159097436	+	4.049E-20	1.0152E-18	0.2995	hyper	sig	chr5_159097436
chr9	1.31E+08	131028339	+	4.051E-20	1.01575E-18	-0.27695	hypo	sig	chr9_131028339
chr15	26866724	26866724	+	4.056E-20	1.01693E-18	0.253442	hyper	sig	chr15_26866724
chr17	49035699	49035699	+	4.057E-20	1.01717E-18	-0.23683	hypo	sig	chr17_49035699
chr17	82315393	82315393	+	4.057E-20	1.01717E-18	-0.22427	hypo	sig	chr17_82315393
chr22	39652285	39652285	+	4.074E-20	1.02125E-18	-0.26906	hypo	sig	chr22_39652285
chr15	22942496	22942496	+	4.08E-20	1.02283E-18	0.223018	hyper	sig	chr15_22942496
chr1	1.1E+08	110151295	+	4.081E-20	1.02313E-18	0.282433	hyper	sig	chr1_110151295
chr6	98844392	98844392	+	4.092E-20	1.02559E-18	0.240467	hyper	sig	chr6_98844392
chr2	7429762	7429762	+	4.093E-20	1.02597E-18	-0.3452	hypo	sig	chr2_7429762

chr17	63881415	63881415	+	4.096E-20	1.02669E-18	-0.27138	hypo	sig	chr17_63881415
chr6	27268090	27268090	+	4.098E-20	1.02695E-18	0.218133	hyper	sig	chr6_27268090
chr8	85438382	85438382	+	4.104E-20	1.02852E-18	0.243081	hyper	sig	chr8_85438382
chr19	57682730	57682730	+	4.107E-20	1.02926E-18	0.200413	hyper	sig	chr19_57682730
chr16	54290282	54290282	+	4.113E-20	1.03069E-18	0.227211	hyper	sig	chr16_54290282
chr19	37251856	37251856	+	4.114E-20	1.03074E-18	0.263931	hyper	sig	chr19_37251856
chr10	25935065	25935065	+	4.12E-20	1.03224E-18	0.207191	hyper	sig	chr10_25935065
chr17	76139491	76139491	+	4.134E-20	1.03585E-18	-0.23219	hypo	sig	chr17_76139491
chr1	78491823	78491823	+	4.139E-20	1.03695E-18	0.229878	hyper	sig	chr1_78491823
chr19	12195443	12195443	+	4.142E-20	1.03766E-18	0.214816	hyper	sig	chr19_12195443
chr5	1.29E+08	128537610	+	4.154E-20	1.0407E-18	0.204127	hyper	sig	chr5_128537610
chr16	988180	988180	+	4.158E-20	1.04165E-18	-0.26224	hypo	sig	chr16_988180
chr22	44312755	44312755	+	4.158E-20	1.04166E-18	-0.25485	hypo	sig	chr22_44312755
chr6	32075962	32075962	+	4.174E-20	1.04555E-18	-0.25397	hypo	sig	chr6_32075962
chr11	15114604	15114604	+	4.175E-20	1.04578E-18	0.246775	hyper	sig	chr11_15114604
chr3	55474524	55474524	+	4.187E-20	1.04853E-18	0.213812	hyper	sig	chr3_55474524
chr9	3181088	3181088	+	4.191E-20	1.04948E-18	0.234678	hyper	sig	chr9_3181088
chr14	47675772	47675772	+	4.191E-20	1.04959E-18	0.245033	hyper	sig	chr14_47675772
chr2	1.76E+08	176103409	+	4.196E-20	1.05083E-18	0.284561	hyper	sig	chr2_176103409
chr12	52598161	52598161	+	4.198E-20	1.05129E-18	-0.29915	hypo	sig	chr12_52598161
chr7	1.49E+08	149415216	+	4.202E-20	1.05218E-18	0.265658	hyper	sig	chr7_149415216
chr12	1.31E+08	130679530	+	4.203E-20	1.05242E-18	-0.2155	hypo	sig	chr12_130679530
chr7	1.25E+08	124764323	+	4.205E-20	1.05286E-18	0.222743	hyper	sig	chr7_124764323
chr13	25468427	25468427	+	4.218E-20	1.05594E-18	0.304869	hyper	sig	chr13_25468427
chr1	3141246	3141246	+	4.225E-20	1.0577E-18	-0.2185	hypo	sig	chr1_3141246
chr7	1.58E+08	157668678	+	4.228E-20	1.05838E-18	0.208258	hyper	sig	chr7_157668678
chr12	1.32E+08	132443282	+	4.235E-20	1.06005E-18	-0.22483	hypo	sig	chr12_132443282
chr15	88255546	88255546	+	4.238E-20	1.0609E-18	0.229062	hyper	sig	chr15_88255546
chr12	1.11E+08	111099183	+	4.239E-20	1.06093E-18	-0.31806	hypo	sig	chr12_111099183
chr5	1.41E+08	141182316	+	4.238E-20	1.06093E-18	0.207359	hyper	sig	chr5_141182316
chr6	26743132	26743132	+	4.242E-20	1.06188E-18	0.329042	hyper	sig	chr6_26743132
chr19	48746978	48746978	+	4.247E-20	1.06304E-18	0.201751	hyper	sig	chr19_48746978
chr13	25468445	25468445	+	4.251E-20	1.06381E-18	0.249216	hyper	sig	chr13_25468445
chr11	8811391	8811391	+	4.251E-20	1.06385E-18	-0.20009	hypo	sig	chr11_8811391
chr17	40937406	40937406	+	4.262E-20	1.06662E-18	-0.20336	hypo	sig	chr17_40937406
chr11	20163573	20163573	+	4.264E-20	1.06714E-18	0.298135	hyper	sig	chr11_20163573
chr11	20160778	20160778	+	4.269E-20	1.0682E-18	0.220939	hyper	sig	chr11_20160778
chr4	1407939	1407939	+	4.269E-20	1.0682E-18	0.237714	hyper	sig	chr4_1407939
chr7	1.58E+08	157588377	+	4.278E-20	1.0704E-18	-0.27257	hypo	sig	chr7_157588377
chr2	2.39E+08	239285956	+	4.28E-20	1.07082E-18	-0.24547	hypo	sig	chr2_239285956
chr4	213094	213094	+	4.28E-20	1.07082E-18	0.297398	hyper	sig	chr4_213094
chr8	1.43E+08	143390008	+	4.28E-20	1.07082E-18	-0.28789	hypo	sig	chr8_143390008
chr7	45597671	45597671	+	4.282E-20	1.07113E-18	-0.20892	hypo	sig	chr7_45597671
chr19	52398074	52398074	+	4.284E-20	1.07181E-18	0.272149	hyper	sig	chr19_52398074
chr20	61894059	61894059	+	4.286E-20	1.0722E-18	-0.2417	hypo	sig	chr20_61894059
chr18	72544739	72544739	+	4.289E-20	1.07299E-18	0.21026	hyper	sig	chr18_72544739
chr6	31971535	31971535	+	4.295E-20	1.0742E-18	-0.21746	hypo	sig	chr6_31971535
chr19	48491710	48491710	+	4.306E-20	1.07698E-18	0.272137	hyper	sig	chr19_48491710
chr2	1.76E+08	176083161	+	4.309E-20	1.07767E-18	0.273553	hyper	sig	chr2_176083161
chr13	77919159	77919159	+	4.313E-20	1.07857E-18	0.223996	hyper	sig	chr13_77919159
chr3	62369770	62369770	+	4.315E-20	1.07916E-18	0.295023	hyper	sig	chr3_62369770
chr10	1.17E+08	117132179	+	4.316E-20	1.07927E-18	0.293821	hyper	sig	chr10_117132179
chr17	78468730	78468730	+	4.32E-20	1.08027E-18	-0.20143	hypo	sig	chr17_78468730
chr17	18625307	18625307	+	4.322E-20	1.08068E-18	0.217156	hyper	sig	chr17_18625307
chr8	1.42E+08	142173082	+	4.332E-20	1.08311E-18	-0.21111	hypo	sig	chr8_142173082
chr5	32713392	32713392	+	4.335E-20	1.08391E-18	0.29698	hyper	sig	chr5_32713392

chr1	2.1E+08	209938690	+	4.335E-20	1.08398E-18	0.335443	hyper	sig	chr1_209938690
chr2	2.32E+08	231680670	+	4.343E-20	1.08588E-18	-0.24989	hypo	sig	chr2_231680670
chr2	20671362	20671362	+	4.348E-20	1.08699E-18	0.289864	hyper	sig	chr2_20671362
chr10	1.33E+08	132785047	+	4.348E-20	1.08699E-18	0.271803	hyper	sig	chr10_132785047
chr17	78461609	78461609	+	4.35E-20	1.08735E-18	-0.20021	hypo	sig	chr17_78461609
chr5	71719142	71719142	+	4.361E-20	1.08998E-18	0.321395	hyper	sig	chr5_71719142
chr10	1.31E+08	131240909	+	4.363E-20	1.09048E-18	-0.25813	hypo	sig	chr10_131240909
chr10	1.33E+08	132851722	+	4.365E-20	1.09094E-18	-0.3082	hypo	sig	chr10_132851722
chr10	70459942	70459942	+	4.375E-20	1.09339E-18	-0.26784	hypo	sig	chr10_70459942
chr6	30172103	30172103	+	4.377E-20	1.09382E-18	0.304394	hyper	sig	chr6_30172103
chr14	99118313	99118313	+	4.379E-20	1.0942E-18	0.259507	hyper	sig	chr14_99118313
chr5	1.41E+08	141409805	+	4.38E-20	1.09433E-18	0.217633	hyper	sig	chr5_141409805
chr7	44112639	44112639	+	4.381E-20	1.09453E-18	-0.22604	hypo	sig	chr7_44112639
chr5	1.41E+08	141421232	+	4.383E-20	1.09516E-18	0.222506	hyper	sig	chr5_141421232
chr6	10881748	10881748	+	4.386E-20	1.0959E-18	0.235205	hyper	sig	chr6_10881748
chr12	1.07E+08	106585499	+	4.387E-20	1.09609E-18	0.262633	hyper	sig	chr12_106585499
chr14	72564036	72564036	+	4.398E-20	1.09874E-18	-0.30079	hypo	sig	chr14_72564036
chr11	43577810	43577810	+	4.402E-20	1.09978E-18	0.276494	hyper	sig	chr11_43577810
chr16	88816767	88816767	+	4.406E-20	1.10073E-18	-0.22297	hypo	sig	chr16_88816767
chr19	42000425	42000425	+	4.409E-20	1.10136E-18	-0.3873	hypo	sig	chr19_42000425
chr7	30751414	30751414	+	4.413E-20	1.10223E-18	-0.21151	hypo	sig	chr7_30751414
chr4	6005525	6005525	+	4.414E-20	1.10246E-18	-0.24439	hypo	sig	chr4_6005525
chr14	93041537	93041537	+	4.431E-20	1.10665E-18	-0.23101	hypo	sig	chr14_93041537
chr10	1.3E+08	130046688	+	4.434E-20	1.10723E-18	-0.21787	hypo	sig	chr10_130046688
chr15	65392620	65392620	+	4.437E-20	1.108E-18	-0.27677	hypo	sig	chr15_65392620
chr14	1.05E+08	104928860	+	4.438E-20	1.10813E-18	-0.24999	hypo	sig	chr14_104928860
chr16	79589721	79589721	+	4.439E-20	1.10845E-18	0.244872	hyper	sig	chr16_79589721
chr15	59996149	59996149	+	4.44E-20	1.10855E-18	0.245569	hyper	sig	chr15_59996149
chr7	1.22E+08	122300238	+	4.444E-20	1.10964E-18	0.227732	hyper	sig	chr7_122300238
chr6	28259233	28259233	+	4.447E-20	1.1102E-18	0.286301	hyper	sig	chr6_28259233
chr3	35639666	35639666	+	4.453E-20	1.1116E-18	0.320945	hyper	sig	chr3_35639666
chr8	1.43E+08	143212972	+	4.461E-20	1.11353E-18	-0.30377	hypo	sig	chr8_143212972
chr2	20107034	20107034	+	4.468E-20	1.11534E-18	0.257703	hyper	sig	chr2_20107034
chr7	97013238	97013238	+	4.472E-20	1.11619E-18	0.284373	hyper	sig	chr7_97013238
chr10	1.33E+08	133071015	+	4.475E-20	1.1169E-18	-0.22526	hypo	sig	chr10_133071015
chr3	27729916	27729916	+	4.476E-20	1.1173E-18	0.25501	hyper	sig	chr3_27729916
chr8	54460009	54460009	+	4.48E-20	1.11825E-18	0.245506	hyper	sig	chr8_54460009
chr12	1.11E+08	111033521	+	4.485E-20	1.11953E-18	0.302654	hyper	sig	chr12_111033521
chr6	27495410	27495410	+	4.492E-20	1.12112E-18	0.231656	hyper	sig	chr6_27495410
chr4	1.74E+08	173512853	+	4.5E-20	1.1229E-18	-0.26392	hypo	sig	chr4_173512853
chr16	51156005	51156005	+	4.505E-20	1.12427E-18	0.236977	hyper	sig	chr16_51156005
chr14	1.02E+08	101566914	+	4.51E-20	1.12529E-18	-0.32749	hypo	sig	chr14_101566914
chr17	49435508	49435508	+	4.517E-20	1.12703E-18	-0.30413	hypo	sig	chr17_49435508
chr6	41503286	41503286	+	4.53E-20	1.13035E-18	-0.32204	hypo	sig	chr6_41503286
chr9	98709582	98709582	+	4.537E-20	1.13188E-18	0.249905	hyper	sig	chr9_98709582
chr11	32427704	32427704	+	4.554E-20	1.13608E-18	0.249073	hyper	sig	chr11_32427704
chr6	2637362	2637362	+	4.559E-20	1.1373E-18	-0.2209	hypo	sig	chr6_2637362
chr2	1.72E+08	172080968	+	4.56E-20	1.13773E-18	0.35473	hyper	sig	chr2_172080968
chr3	62368052	62368052	+	4.599E-20	1.14708E-18	0.25279	hyper	sig	chr3_62368052
chr5	1.38E+08	138458095	+	4.6E-20	1.14748E-18	-0.2222	hypo	sig	chr5_138458095
chr7	85186179	85186179	+	4.612E-20	1.15041E-18	0.25392	hyper	sig	chr7_85186179
chr7	54542217	54542217	+	4.622E-20	1.15263E-18	0.211382	hyper	sig	chr7_54542217
chr17	203198	203198	+	4.623E-20	1.1529E-18	-0.20966	hypo	sig	chr17_203198
chr1	1434263	1434263	+	4.625E-20	1.1533E-18	-0.26289	hypo	sig	chr1_1434263
chr7	27115961	27115961	+	4.629E-20	1.1544E-18	0.254731	hyper	sig	chr7_27115961
chr5	1.41E+08	141150137	+	4.632E-20	1.15505E-18	0.241393	hyper	sig	chr5_141150137

chr13	1.13E+08	113109845	+	4.638E-20	1.15655E-18	0.324797	hyper	sig	chr13_113109845
chr5	45696323	45696323	+	4.66E-20	1.16183E-18	0.235056	hyper	sig	chr5_45696323
chr19	52336441	52336441	+	4.668E-20	1.16375E-18	0.219834	hyper	sig	chr19_52336441
chr12	1.32E+08	132329077	+	4.672E-20	1.16465E-18	0.206679	hyper	sig	chr12_132329077
chr15	79090710	79090710	+	4.676E-20	1.16564E-18	0.361093	hyper	sig	chr15_79090710
chr6	1.61E+08	161140089	+	4.679E-20	1.16651E-18	-0.23465	hypo	sig	chr6_161140089
chr1	1965114	1965114	+	4.681E-20	1.16689E-18	-0.21569	hypo	sig	chr1_1965114
chr11	1.12E+08	111912839	+	4.708E-20	1.17352E-18	0.217065	hyper	sig	chr11_111912839
chr18	11150785	11150785	+	4.717E-20	1.17572E-18	-0.27031	hypo	sig	chr18_11150785
chr3	1.47E+08	147424501	+	4.721E-20	1.17653E-18	0.212968	hyper	sig	chr3_147424501
chr1	1.19E+08	119000745	+	4.735E-20	1.17994E-18	0.226175	hyper	sig	chr1_119000745
chr1	63330134	63330134	+	4.735E-20	1.17995E-18	0.260411	hyper	sig	chr1_63330134
chr12	1.26E+08	125536181	+	4.737E-20	1.18048E-18	-0.21615	hypo	sig	chr12_125536181
chr5	73436217	73436217	+	4.743E-20	1.18175E-18	0.293683	hyper	sig	chr5_73436217
chr6	10886865	10886865	+	4.752E-20	1.18385E-18	0.213253	hyper	sig	chr6_10886865
chr16	86566678	86566678	+	4.756E-20	1.18482E-18	0.213275	hyper	sig	chr16_86566678
chr4	4864874	4864874	+	4.766E-20	1.1874E-18	0.267136	hyper	sig	chr4_4864874
chr1	1.11E+08	111271068	+	4.767E-20	1.18753E-18	0.244601	hyper	sig	chr1_111271068
chr15	1.02E+08	101653254	+	4.769E-20	1.18798E-18	-0.31729	hypo	sig	chr15_101653254
chr3	1.92E+08	192408899	+	4.769E-20	1.18798E-18	0.227359	hyper	sig	chr3_192408899
chr13	35475670	35475670	+	4.774E-20	1.18921E-18	0.227461	hyper	sig	chr13_35475670
chr13	42562858	42562858	+	4.776E-20	1.18978E-18	-0.34605	hypo	sig	chr13_42562858
chr10	6120807	6120807	+	4.802E-20	1.19591E-18	-0.21978	hypo	sig	chr10_6120807
chr14	28768274	28768274	+	4.802E-20	1.19591E-18	0.281347	hyper	sig	chr14_28768274
chr6	408717	408717	+	4.802E-20	1.19593E-18	-0.33162	hypo	sig	chr6_408717
chr7	41700117	41700117	+	4.803E-20	1.19625E-18	0.213468	hyper	sig	chr7_41700117
chr11	65868478	65868478	+	4.804E-20	1.19639E-18	-0.24449	hypo	sig	chr11_65868478
chr11	94767505	94767505	+	4.809E-20	1.19755E-18	-0.21994	hypo	sig	chr11_94767505
chr5	1.41E+08	141182326	+	4.816E-20	1.19917E-18	0.201239	hyper	sig	chr5_141182326
chr16	2082635	2082635	+	4.816E-20	1.19919E-18	0.218144	hyper	sig	chr16_2082635
chr11	18733237	18733237	+	4.829E-20	1.2023E-18	-0.246	hypo	sig	chr11_18733237
chr1	1.48E+08	148310144	+	4.832E-20	1.203E-18	0.265029	hyper	sig	chr1_148310144
chr16	5233417	5233417	+	4.837E-20	1.2042E-18	-0.27219	hypo	sig	chr16_5233417
chr16	86931679	86931679	+	4.838E-20	1.20458E-18	-0.21325	hypo	sig	chr16_86931679
chr11	18171875	18171875	+	4.844E-20	1.20603E-18	-0.2307	hypo	sig	chr11_18171875
chr8	11682898	11682898	+	4.847E-20	1.20669E-18	0.242769	hyper	sig	chr8_11682898
chr10	6023872	6023872	+	4.854E-20	1.2083E-18	-0.22953	hypo	sig	chr10_6023872
chr2	20671359	20671359	+	4.859E-20	1.20962E-18	0.286168	hyper	sig	chr2_20671359
chr16	1266210	1266210	+	4.867E-20	1.21154E-18	-0.23592	hypo	sig	chr16_1266210
chr17	81554083	81554083	+	4.872E-20	1.21265E-18	-0.26108	hypo	sig	chr17_81554083
chr6	1.69E+08	169140607	+	4.874E-20	1.2131E-18	-0.21032	hypo	sig	chr6_169140607
chr15	89409653	89409653	+	4.876E-20	1.21345E-18	0.237686	hyper	sig	chr15_89409653
chr17	73748782	73748782	+	4.88E-20	1.21443E-18	-0.28525	hypo	sig	chr17_73748782
chr4	81215371	81215371	+	4.891E-20	1.21716E-18	0.213978	hyper	sig	chr4_81215371
chr6	6004231	6004231	+	4.896E-20	1.21838E-18	0.243682	hyper	sig	chr6_6004231
chr6	83709574	83709574	+	4.896E-20	1.21849E-18	0.211045	hyper	sig	chr6_83709574
chr4	41873547	41873547	+	4.898E-20	1.21883E-18	0.317011	hyper	sig	chr4_41873547
chr5	1.35E+08	135038974	+	4.9E-20	1.21939E-18	0.234067	hyper	sig	chr5_135038974
chr5	77632587	77632587	+	4.902E-20	1.21971E-18	0.261994	hyper	sig	chr5_77632587
chr19	17747276	17747276	+	4.904E-20	1.22025E-18	-0.22211	hypo	sig	chr19_17747276
chr19	4559768	4559768	+	4.907E-20	1.22077E-18	-0.31218	hypo	sig	chr19_4559768
chr6	28814149	28814149	+	4.907E-20	1.22077E-18	0.295274	hyper	sig	chr6_28814149
chr1	1.47E+08	147072629	+	4.914E-20	1.22246E-18	0.206306	hyper	sig	chr1_147072629
chr15	79091079	79091079	+	4.919E-20	1.22377E-18	0.23953	hyper	sig	chr15_79091079
chr7	1.57E+08	157004264	+	4.942E-20	1.22943E-18	0.208656	hyper	sig	chr7_157004264
chr3	47010041	47010041	+	4.944E-20	1.22973E-18	0.298021	hyper	sig	chr3_47010041

chr1	1.44E+08	143661214	+	4.949E-20	1.23105E-18	0.200886	hyper	sig	chr1_143661214
chr6	89118376	89118376	+	4.956E-20	1.23276E-18	0.25604	hyper	sig	chr6_89118376
chr15	25185761	25185761	+	4.957E-20	1.23277E-18	-0.26706	hypo	sig	chr15_25185761
chr7	1.51E+08	151395689	+	4.96E-20	1.23347E-18	-0.25141	hypo	sig	chr7_151395689
chr2	74148378	74148378	+	4.969E-20	1.23576E-18	0.290295	hyper	sig	chr2_74148378
chr5	1.55E+08	155013961	+	4.969E-20	1.23577E-18	-0.24785	hypo	sig	chr5_155013961
chr7	38311331	38311331	+	4.974E-20	1.23681E-18	0.282672	hyper	sig	chr7_38311331
chr10	8037242	8037242	+	4.986E-20	1.2399E-18	0.23632	hyper	sig	chr10_8037242
chr20	63417495	63417495	+	4.99E-20	1.24073E-18	-0.21919	hypo	sig	chr20_63417495
chr12	75207685	75207685	+	4.992E-20	1.24114E-18	0.241998	hyper	sig	chr12_75207685
chr2	691015	691015	+	5E-20	1.2432E-18	-0.23203	hypo	sig	chr2_691015
chr3	1.54E+08	154428021	+	5.001E-20	1.2433E-18	0.228688	hyper	sig	chr3_154428021
chr6	31054019	31054019	+	5.002E-20	1.24341E-18	-0.21233	hypo	sig	chr6_31054019
chr19	1775243	1775243	+	5.014E-20	1.24643E-18	0.204806	hyper	sig	chr19_1775243
chr4	3649471	3649471	+	5.016E-20	1.24702E-18	-0.24509	hypo	sig	chr4_3649471
chr22	17370739	17370739	+	5.026E-20	1.2493E-18	0.210639	hyper	sig	chr22_17370739
chr12	1.14E+08	114439663	+	5.029E-20	1.25001E-18	0.273158	hyper	sig	chr12_114439663
chr11	1.25E+08	125166435	+	5.034E-20	1.25126E-18	0.225505	hyper	sig	chr11_125166435
chr16	66604320	66604320	+	5.038E-20	1.25209E-18	0.279725	hyper	sig	chr16_66604320
chr1	1.44E+08	143661893	+	5.038E-20	1.25213E-18	0.222753	hyper	sig	chr1_143661893
chr2	1.76E+08	176100764	+	5.055E-20	1.25613E-18	0.223123	hyper	sig	chr2_176100764
chr2	2.19E+08	219444681	+	5.057E-20	1.25679E-18	-0.24719	hypo	sig	chr2_219444681
chr14	77026583	77026583	+	5.06E-20	1.25738E-18	0.200679	hyper	sig	chr14_77026583
chr7	71134604	71134604	+	5.063E-20	1.25799E-18	-0.2535	hypo	sig	chr7_71134604
chr8	26044797	26044797	+	5.07E-20	1.25969E-18	0.206827	hyper	sig	chr8_26044797
chr2	2.13E+08	212536742	+	5.074E-20	1.26068E-18	0.277629	hyper	sig	chr2_212536742
chr19	12770029	12770029	+	5.075E-20	1.26086E-18	0.212801	hyper	sig	chr19_12770029
chr19	58440861	58440861	+	5.087E-20	1.26388E-18	0.209212	hyper	sig	chr19_58440861
chr7	98212190	98212190	+	5.1E-20	1.267E-18	-0.2074	hypo	sig	chr7_98212190
chr8	1.45E+08	144713179	+	5.111E-20	1.26965E-18	0.248405	hyper	sig	chr8_144713179
chr12	1.09E+08	109294014	+	5.119E-20	1.2717E-18	-0.2741	hypo	sig	chr12_109294014
chr5	1.56E+08	155728943	+	5.12E-20	1.27185E-18	0.280837	hyper	sig	chr5_155728943
chr3	1.82E+08	181703787	+	5.123E-20	1.27266E-18	0.202405	hyper	sig	chr3_181703787
chr12	33438386	33438386	+	5.127E-20	1.27355E-18	0.235574	hyper	sig	chr12_33438386
chr16	89834357	89834357	+	5.155E-20	1.28026E-18	-0.26007	hypo	sig	chr16_89834357
chr18	48980163	48980163	+	5.156E-20	1.28056E-18	-0.22876	hypo	sig	chr18_48980163
chr22	39364324	39364324	+	5.164E-20	1.28238E-18	-0.23016	hypo	sig	chr22_39364324
chr15	25242676	25242676	+	5.167E-20	1.28326E-18	-0.20745	hypo	sig	chr15_25242676
chr7	1.04E+08	103990410	+	5.167E-20	1.28326E-18	0.20579	hyper	sig	chr7_103990410
chr4	1.57E+08	157220261	+	5.177E-20	1.28546E-18	0.204825	hyper	sig	chr4_157220261
chr20	56006257	56006257	+	5.181E-20	1.28657E-18	0.284283	hyper	sig	chr20_56006257
chr1	1014316	1014316	+	5.183E-20	1.28705E-18	-0.20894	hypo	sig	chr1_1014316
chr2	1.82E+08	181678568	+	5.186E-20	1.28771E-18	0.277106	hyper	sig	chr2_181678568
chr8	71557752	71557752	+	5.186E-20	1.28773E-18	0.278749	hyper	sig	chr8_71557752
chr10	1.01E+08	100519698	+	5.187E-20	1.28789E-18	0.299595	hyper	sig	chr10_100519698
chr19	33622459	33622459	+	5.205E-20	1.29239E-18	0.306589	hyper	sig	chr19_33622459
chr15	79065771	79065771	+	5.206E-20	1.2924E-18	-0.21684	hypo	sig	chr15_79065771
chr5	1.41E+08	141121830	+	5.221E-20	1.29607E-18	0.232283	hyper	sig	chr5_141121830
chr5	76372653	76372653	+	5.222E-20	1.2963E-18	-0.22969	hypo	sig	chr5_76372653
chr17	81125911	81125911	+	5.226E-20	1.29738E-18	-0.20693	hypo	sig	chr17_81125911
chr11	30016306	30016306	+	5.236E-20	1.29962E-18	0.298419	hyper	sig	chr11_30016306
chr10	49679426	49679426	+	5.258E-20	1.30512E-18	0.24777	hyper	sig	chr10_49679426
chr19	23075223	23075223	+	5.26E-20	1.30558E-18	0.243417	hyper	sig	chr19_23075223
chr12	53999658	53999658	+	5.26E-20	1.30563E-18	0.242259	hyper	sig	chr12_53999658
chr17	76467548	76467548	+	5.262E-20	1.30611E-18	-0.22566	hypo	sig	chr17_76467548
chr17	48595745	48595745	+	5.27E-20	1.30791E-18	-0.26877	hypo	sig	chr17_48595745

chr9	62800221	62800221	+	5.271E-20	1.3081E-18	0.266423	hyper	sig	chr9_62800221
chr2	1.32E+08	131830047	+	5.286E-20	1.3119E-18	0.217696	hyper	sig	chr2_131830047
chr6	16320341	16320341	+	5.294E-20	1.31373E-18	-0.28434	hypo	sig	chr6_16320341
chr8	1.43E+08	142515398	+	5.308E-20	1.31717E-18	-0.22756	hypo	sig	chr8_142515398
chr10	99234430	99234430	+	5.322E-20	1.32049E-18	0.35099	hyper	sig	chr10_99234430
chr10	1.33E+08	133230082	+	5.324E-20	1.32091E-18	0.246932	hyper	sig	chr10_133230082
chr11	32428555	32428555	+	5.329E-20	1.32216E-18	0.250455	hyper	sig	chr11_32428555
chr8	40897652	40897652	+	5.33E-20	1.32233E-18	0.215857	hyper	sig	chr8_40897652
chr12	1.15E+08	114696845	+	5.341E-20	1.32494E-18	0.27441	hyper	sig	chr12_114696845
chr11	64829728	64829728	+	5.349E-20	1.32694E-18	0.278385	hyper	sig	chr11_64829728
chr19	9498619	9498619	+	5.349E-20	1.32696E-18	0.273067	hyper	sig	chr19_9498619
chr14	23388770	23388770	+	5.35E-20	1.32706E-18	-0.21629	hypo	sig	chr14_23388770
chr7	1.04E+08	103988923	+	5.354E-20	1.32791E-18	0.294534	hyper	sig	chr7_103988923
chr15	93041825	93041825	+	5.356E-20	1.32831E-18	-0.28211	hypo	sig	chr15_93041825
chr3	6862940	6862940	+	5.356E-20	1.32831E-18	0.278909	hyper	sig	chr3_6862940
chr11	1.16E+08	115660315	+	5.359E-20	1.32898E-18	0.254035	hyper	sig	chr11_115660315
chr2	2.07E+08	206642302	+	5.368E-20	1.33117E-18	0.304131	hyper	sig	chr2_206642302
chr7	1.44E+08	143885537	+	5.381E-20	1.33424E-18	0.302391	hyper	sig	chr7_143885537
chr19	20078243	20078243	+	5.383E-20	1.33489E-18	0.218714	hyper	sig	chr19_20078243
chr7	45107267	45107267	+	5.389E-20	1.33613E-18	-0.27742	hypo	sig	chr7_45107267
chr5	1.35E+08	135038981	+	5.39E-20	1.33651E-18	0.235631	hyper	sig	chr5_135038981
chr11	20160590	20160590	+	5.401E-20	1.33901E-18	0.200389	hyper	sig	chr11_20160590
chr5	38846352	38846352	+	5.41E-20	1.34122E-18	0.264478	hyper	sig	chr5_38846352
chr18	50298710	50298710	+	5.416E-20	1.34268E-18	0.208487	hyper	sig	chr18_50298710
chr21	33020097	33020097	+	5.43E-20	1.3461E-18	0.207995	hyper	sig	chr21_33020097
chr18	80078021	80078021	+	5.441E-20	1.34868E-18	-0.22188	hypo	sig	chr18_80078021
chr11	31799765	31799765	+	5.443E-20	1.34894E-18	0.227966	hyper	sig	chr11_31799765
chr5	88689973	88689973	+	5.448E-20	1.35012E-18	0.242185	hyper	sig	chr5_88689973
chr6	30111530	30111530	+	5.449E-20	1.3503E-18	-0.23159	hypo	sig	chr6_30111530
chr1	44409019	44409019	+	5.45E-20	1.35065E-18	0.212664	hyper	sig	chr1_44409019
chr6	28885358	28885358	+	5.458E-20	1.35253E-18	0.329123	hyper	sig	chr6_28885358
chr5	1.51E+08	150640748	+	5.459E-20	1.35263E-18	-0.25762	hypo	sig	chr5_150640748
chr5	3602339	3602339	+	5.463E-20	1.35359E-18	0.238655	hyper	sig	chr5_3602339
chr1	1.48E+08	148318441	+	5.465E-20	1.35407E-18	0.227662	hyper	sig	chr1_148318441
chr9	1.27E+08	126680425	+	5.465E-20	1.35419E-18	-0.23759	hypo	sig	chr9_126680425
chr2	2.42E+08	241645870	+	5.467E-20	1.35456E-18	0.25296	hyper	sig	chr2_241645870
chr4	72031916	72031916	+	5.469E-20	1.35493E-18	0.258651	hyper	sig	chr4_72031916
chr3	1.38E+08	137760801	+	5.475E-20	1.35649E-18	0.270439	hyper	sig	chr3_137760801
chr21	33024357	33024357	+	5.481E-20	1.3578E-18	0.224699	hyper	sig	chr21_33024357
chr6	28810639	28810639	+	5.49E-20	1.36015E-18	0.231419	hyper	sig	chr6_28810639
chr4	10457712	10457712	+	5.5E-20	1.36263E-18	0.243893	hyper	sig	chr4_10457712
chr11	1932445	1932445	+	5.501E-20	1.36275E-18	-0.27559	hypo	sig	chr11_1932445
chr20	58841470	58841470	+	5.509E-20	1.36453E-18	0.220797	hyper	sig	chr20_58841470
chr1	3173198	3173198	+	5.514E-20	1.3657E-18	-0.2525	hypo	sig	chr1_3173198
chr17	803913	803913	+	5.519E-20	1.36691E-18	-0.26694	hypo	sig	chr17_803913
chr4	1.55E+08	154742946	+	5.527E-20	1.36876E-18	0.267694	hyper	sig	chr4_154742946
chr5	77972576	77972576	+	5.535E-20	1.37069E-18	0.203531	hyper	sig	chr5_77972576
chr11	1.23E+08	123195852	+	5.55E-20	1.37448E-18	0.242655	hyper	sig	chr11_123195852
chr12	1.11E+08	111033505	+	5.559E-20	1.37663E-18	0.242065	hyper	sig	chr12_111033505
chr5	1.76E+08	176415221	+	5.572E-20	1.37973E-18	-0.2079	hypo	sig	chr5_176415221
chr12	1.33E+08	132908149	+	5.573E-20	1.37995E-18	0.207366	hyper	sig	chr12_132908149
chr11	31815940	31815940	+	5.576E-20	1.38063E-18	0.254482	hyper	sig	chr11_31815940
chr20	843966	843966	+	5.576E-20	1.38063E-18	-0.24687	hypo	sig	chr20_843966
chr17	41041469	41041469	+	5.58E-20	1.38163E-18	-0.22264	hypo	sig	chr17_41041469
chr6	7731047	7731047	+	5.587E-20	1.38326E-18	-0.26365	hypo	sig	chr6_7731047
chr2	38075499	38075499	+	5.601E-20	1.38645E-18	0.32334	hyper	sig	chr2_38075499

chr8	1.33E+08	133455592	+	5.609E-20	1.38849E-18	-0.23589	hypo	sig	chr8_133455592
chr12	52319301	52319301	+	5.616E-20	1.39025E-18	-0.21425	hypo	sig	chr12_52319301
chr11	1.12E+08	111514915	+	5.627E-20	1.39281E-18	0.240057	hyper	sig	chr11_111514915
chr2	2.42E+08	241843338	+	5.647E-20	1.39771E-18	-0.2426	hypo	sig	chr2_241843338
chr18	49812630	49812630	+	5.647E-20	1.39777E-18	-0.26156	hypo	sig	chr18_49812630
chr15	45704528	45704528	+	5.65E-20	1.39826E-18	0.228268	hyper	sig	chr15_45704528
chr16	555295	555295	+	5.65E-20	1.39826E-18	-0.2198	hypo	sig	chr16_555295
chr6	10389962	10389962	+	5.65E-20	1.39835E-18	0.353753	hyper	sig	chr6_10389962
chr9	977770	977770	+	5.656E-20	1.39961E-18	0.208744	hyper	sig	chr9_977770
chr1	2.28E+08	228058952	+	5.656E-20	1.3997E-18	0.247889	hyper	sig	chr1_228058952
chr1	2.37E+08	236686969	+	5.66E-20	1.40051E-18	0.248108	hyper	sig	chr1_236686969
chr19	2608564	2608564	+	5.664E-20	1.40164E-18	-0.31179	hypo	sig	chr19_2608564
chr22	43209402	43209402	+	5.674E-20	1.40394E-18	-0.20024	hypo	sig	chr22_43209402
chr3	1.28E+08	128483590	+	5.679E-20	1.40513E-18	0.257978	hyper	sig	chr3_128483590
chr20	56343983	56343983	+	5.69E-20	1.40782E-18	0.218897	hyper	sig	chr20_56343983
chr7	90119012	90119012	+	5.705E-20	1.41129E-18	0.210015	hyper	sig	chr7_90119012
chr7	97002539	97002539	+	5.707E-20	1.4118E-18	0.223926	hyper	sig	chr7_97002539
chr7	27107971	27107971	+	5.723E-20	1.41585E-18	0.25027	hyper	sig	chr7_27107971
chr2	97737690	97737690	+	5.728E-20	1.41703E-18	-0.29451	hypo	sig	chr2_97737690
chr4	13543740	13543740	+	5.731E-20	1.41774E-18	0.228712	hyper	sig	chr4_13543740
chr8	11700723	11700723	+	5.763E-20	1.42539E-18	0.214087	hyper	sig	chr8_11700723
chr10	62818384	62818384	+	5.764E-20	1.42552E-18	0.208412	hyper	sig	chr10_62818384
chr13	21912582	21912582	+	5.768E-20	1.42645E-18	-0.23434	hypo	sig	chr13_21912582
chr1	2.03E+08	203085787	+	5.771E-20	1.4272E-18	-0.25399	hypo	sig	chr1_203085787
chr7	44278928	44278928	+	5.787E-20	1.43104E-18	-0.26787	hypo	sig	chr7_44278928
chr16	361318	361318	+	5.801E-20	1.43446E-18	-0.2303	hypo	sig	chr16_361318
chr19	22623365	22623365	+	5.818E-20	1.43857E-18	0.344709	hyper	sig	chr19_22623365
chr15	23180294	23180294	+	5.822E-20	1.43949E-18	0.207003	hyper	sig	chr15_23180294
chr12	6362104	6362104	+	5.829E-20	1.44119E-18	-0.239	hypo	sig	chr12_6362104
chr12	54053459	54053459	+	5.841E-20	1.4441E-18	0.218501	hyper	sig	chr12_54053459
chr10	1.01E+08	101237635	+	5.858E-20	1.44815E-18	0.214403	hyper	sig	chr10_101237635
chr7	27144197	27144197	+	5.858E-20	1.44825E-18	0.257534	hyper	sig	chr7_27144197
chr7	1.29E+08	128511938	+	5.859E-20	1.44837E-18	-0.25958	hypo	sig	chr7_128511938
chr7	2193500	2193500	+	5.86E-20	1.44856E-18	-0.21418	hypo	sig	chr7_2193500
chr21	33032149	33032149	+	5.861E-20	1.44871E-18	-0.23304	hypo	sig	chr21_33032149
chr12	57628793	57628793	+	5.879E-20	1.45322E-18	0.211199	hyper	sig	chr12_57628793
chr5	1.79E+08	178517297	+	5.88E-20	1.45346E-18	-0.27538	hypo	sig	chr5_178517297
chr11	2346865	2346865	+	5.893E-20	1.45646E-18	-0.24604	hypo	sig	chr11_2346865
chr16	89176544	89176544	+	5.897E-20	1.45734E-18	-0.20934	hypo	sig	chr16_89176544
chr10	55628218	55628218	+	5.899E-20	1.45781E-18	0.223351	hyper	sig	chr10_55628218
chr16	57802998	57802998	+	5.902E-20	1.45851E-18	0.304	hyper	sig	chr16_57802998
chr3	1.72E+08	172449223	+	5.912E-20	1.46103E-18	0.208888	hyper	sig	chr3_172449223
chr8	1.08E+08	108083763	+	5.926E-20	1.46433E-18	0.221635	hyper	sig	chr8_108083763
chr19	37551516	37551516	+	5.931E-20	1.46551E-18	0.225384	hyper	sig	chr19_37551516
chr1	90729779	90729779	+	5.939E-20	1.46733E-18	0.226763	hyper	sig	chr1_90729779
chr10	1.33E+08	133100095	+	5.94E-20	1.46751E-18	-0.22993	hypo	sig	chr10_133100095
chr17	65537062	65537062	+	5.943E-20	1.46825E-18	-0.2836	hypo	sig	chr17_65537062
chr19	37551302	37551302	+	5.95E-20	1.46992E-18	0.28075	hyper	sig	chr19_37551302
chr16	51149509	51149509	+	5.954E-20	1.47079E-18	0.26482	hyper	sig	chr16_51149509
chr2	3060066	3060066	+	5.956E-20	1.4713E-18	-0.26482	hypo	sig	chr2_3060066
chr19	23074517	23074517	+	5.973E-20	1.47533E-18	-0.26995	hypo	sig	chr19_23074517
chr5	1.35E+08	135490161	+	5.989E-20	1.4793E-18	0.201078	hyper	sig	chr5_135490161
chr19	46413804	46413804	+	5.994E-20	1.4805E-18	0.276699	hyper	sig	chr19_46413804
chr6	10417166	10417166	+	6.003E-20	1.48246E-18	0.262023	hyper	sig	chr6_10417166
chr20	21713856	21713856	+	6.004E-20	1.48278E-18	0.201267	hyper	sig	chr20_21713856
chr15	25193720	25193720	+	6.012E-20	1.48462E-18	-0.22227	hypo	sig	chr15_25193720

chr12	1.32E+08	132353151	+	6.014E-20	1.48499E-18	-0.21302	hypo	sig	chr12_132353151
chr8	1.08E+08	108083022	+	6.015E-20	1.48536E-18	0.244478	hyper	sig	chr8_108083022
chr2	1.09E+08	109031502	+	6.026E-20	1.48789E-18	0.239158	hyper	sig	chr2_109031502
chr1	1.44E+08	143839178	+	6.028E-20	1.4884E-18	0.255556	hyper	sig	chr1_143839178
chr6	30164063	30164063	+	6.032E-20	1.48929E-18	-0.20665	hypo	sig	chr6_30164063
chr5	1.41E+08	141422568	+	6.035E-20	1.48995E-18	0.233444	hyper	sig	chr5_141422568
chr4	1.47E+08	146637289	+	6.046E-20	1.49272E-18	0.315999	hyper	sig	chr4_146637289
chr6	28988610	28988610	+	6.057E-20	1.49538E-18	0.228635	hyper	sig	chr6_28988610
chr7	4794801	4794801	+	6.085E-20	1.50211E-18	-0.20585	hypo	sig	chr7_4794801
chr16	3101205	3101205	+	6.09E-20	1.50314E-18	-0.26399	hypo	sig	chr16_3101205
chr19	37817755	37817755	+	6.096E-20	1.50457E-18	0.276951	hyper	sig	chr19_37817755
chr6	29792330	29792330	+	6.105E-20	1.50681E-18	0.306984	hyper	sig	chr6_29792330
chr2	2.38E+08	238139950	+	6.105E-20	1.50684E-18	-0.21786	hypo	sig	chr2_238139950
chr1	1434353	1434353	+	6.113E-20	1.50861E-18	-0.24726	hypo	sig	chr1_1434353
chr14	99247043	99247043	+	6.117E-20	1.50961E-18	0.292863	hyper	sig	chr14_99247043
chr3	1.38E+08	137761260	+	6.121E-20	1.51057E-18	0.279929	hyper	sig	chr3_137761260
chr7	1.58E+08	157685818	+	6.131E-20	1.51301E-18	0.304322	hyper	sig	chr7_157685818
chr13	1.08E+08	107868640	+	6.144E-20	1.51602E-18	0.278131	hyper	sig	chr13_107868640
chr1	2475379	2475379	+	6.146E-20	1.51637E-18	-0.23341	hypo	sig	chr1_2475379
chr6	27553482	27553482	+	6.153E-20	1.51813E-18	0.275788	hyper	sig	chr6_27553482
chr6	43276556	43276556	+	6.155E-20	1.51861E-18	-0.31954	hypo	sig	chr6_43276556
chr6	1E+08	100466765	+	6.161E-20	1.52012E-18	0.236877	hyper	sig	chr6_100466765
chr10	1.01E+08	101226111	+	6.164E-20	1.52073E-18	0.265201	hyper	sig	chr10_101226111
chr16	1104991	1104991	+	6.176E-20	1.52352E-18	-0.23583	hypo	sig	chr16_1104991
chr3	1.82E+08	181723831	+	6.206E-20	1.53079E-18	0.210217	hyper	sig	chr3_181723831
chr7	57868087	57868087	+	6.206E-20	1.53092E-18	0.283465	hyper	sig	chr7_57868087
chr10	1.33E+08	132940839	+	6.221E-20	1.53454E-18	-0.21534	hypo	sig	chr10_132940839
chr1	90729975	90729975	+	6.233E-20	1.53728E-18	0.228437	hyper	sig	chr1_90729975
chr14	41605910	41605910	+	6.233E-20	1.5374E-18	0.238298	hyper	sig	chr14_41605910
chr4	5710949	5710949	+	6.241E-20	1.53913E-18	0.271866	hyper	sig	chr4_5710949
chr18	5894638	5894638	+	6.242E-20	1.53936E-18	0.205665	hyper	sig	chr18_5894638
chr17	1040099	1040099	+	6.243E-20	1.53959E-18	-0.23378	hypo	sig	chr17_1040099
chr19	3773268	3773268	+	6.254E-20	1.54213E-18	-0.22103	hypo	sig	chr19_3773268
chr3	1.39E+08	139045033	+	6.257E-20	1.54292E-18	0.232365	hyper	sig	chr3_139045033
chr12	1.13E+08	113479932	+	6.276E-20	1.54742E-18	0.256046	hyper	sig	chr12_113479932
chr14	95047577	95047577	+	6.277E-20	1.54774E-18	-0.23272	hypo	sig	chr14_95047577
chr5	1.75E+08	175443892	+	6.281E-20	1.54858E-18	0.244774	hyper	sig	chr5_175443892
chr12	53982240	53982240	+	6.281E-20	1.54862E-18	0.207894	hyper	sig	chr12_53982240
chr15	89360441	89360441	+	6.283E-20	1.54891E-18	0.238014	hyper	sig	chr15_89360441
chr14	24172021	24172021	+	6.296E-20	1.55216E-18	0.218545	hyper	sig	chr14_24172021
chr14	1.01E+08	101053050	+	6.298E-20	1.55263E-18	-0.22173	hypo	sig	chr14_101053050
chr17	13602273	13602273	+	6.307E-20	1.55486E-18	0.231187	hyper	sig	chr17_13602273
chr13	77919162	77919162	+	6.324E-20	1.55897E-18	0.228467	hyper	sig	chr13_77919162
chr10	775455	775455	+	6.329E-20	1.56018E-18	-0.20339	hypo	sig	chr10_775455
chr20	62311075	62311075	+	6.338E-20	1.56228E-18	-0.218	hypo	sig	chr20_62311075
chr11	66049079	66049079	+	6.338E-20	1.56237E-18	0.269493	hyper	sig	chr11_66049079
chr1	1.55E+08	154570642	+	6.339E-20	1.56252E-18	-0.22081	hypo	sig	chr1_154570642
chr15	81118459	81118459	+	6.341E-20	1.56281E-18	0.209932	hyper	sig	chr15_81118459
chr11	1.23E+08	123195848	+	6.371E-20	1.57024E-18	0.24351	hyper	sig	chr11_123195848
chr10	1.33E+08	132508788	+	6.383E-20	1.57312E-18	-0.24398	hypo	sig	chr10_132508788
chr1	44261648	44261648	+	6.399E-20	1.57708E-18	-0.26576	hypo	sig	chr1_44261648
chr13	77919719	77919719	+	6.4E-20	1.57726E-18	0.220796	hyper	sig	chr13_77919719
chr19	22010614	22010614	+	6.402E-20	1.57762E-18	0.231038	hyper	sig	chr19_22010614
chr4	1.25E+08	125317774	+	6.403E-20	1.57789E-18	0.203828	hyper	sig	chr4_125317774
chr14	1.04E+08	104390422	+	6.42E-20	1.58189E-18	-0.27751	hypo	sig	chr14_104390422
chr7	1.5E+08	149822095	+	6.42E-20	1.58193E-18	-0.21974	hypo	sig	chr7_149822095

chr16	1038454	1038454	+	6.449E-20	1.58902E-18	-0.23712	hypo	sig	chr16_1038454
chr7	1917758	1917758	+	6.457E-20	1.59085E-18	-0.2236	hypo	sig	chr7_1917758
chr19	345310	345310	+	6.46E-20	1.59153E-18	0.216293	hyper	sig	chr19_345310
chr7	8435854	8435854	+	6.476E-20	1.59538E-18	0.259613	hyper	sig	chr7_8435854
chr3	1.28E+08	128492761	+	6.48E-20	1.59641E-18	0.230054	hyper	sig	chr3_128492761
chr2	88453131	88453131	+	6.482E-20	1.5967E-18	0.241928	hyper	sig	chr2_88453131
chr17	82986317	82986317	+	6.498E-20	1.60062E-18	-0.20002	hypo	sig	chr17_82986317
chr5	1.35E+08	135490159	+	6.504E-20	1.60191E-18	0.202616	hyper	sig	chr5_135490159
chr10	86263127	86263127	+	6.511E-20	1.6035E-18	0.203018	hyper	sig	chr10_86263127
chr10	75408751	75408751	+	6.52E-20	1.60572E-18	0.276226	hyper	sig	chr10_75408751
chr18	57352498	57352498	+	6.52E-20	1.60583E-18	0.331917	hyper	sig	chr18_57352498
chr17	81161251	81161251	+	6.529E-20	1.60783E-18	-0.26119	hypo	sig	chr17_81161251
chr14	36659341	36659341	+	6.537E-20	1.60989E-18	0.220488	hyper	sig	chr14_36659341
chr4	1.44E+08	143912344	+	6.538E-20	1.61002E-18	0.290079	hyper	sig	chr4_143912344
chr17	16683730	16683730	+	6.54E-20	1.6103E-18	0.230067	hyper	sig	chr17_16683730
chr22	16602728	16602728	+	6.542E-20	1.61085E-18	0.290889	hyper	sig	chr22_16602728
chr9	1.36E+08	136328586	+	6.544E-20	1.61142E-18	-0.22481	hypo	sig	chr9_136328586
chr1	1.44E+08	143651879	+	6.553E-20	1.6135E-18	0.226341	hyper	sig	chr1_143651879
chr7	56229953	56229953	+	6.557E-20	1.61439E-18	0.22547	hyper	sig	chr7_56229953
chr3	9552621	9552621	+	6.571E-20	1.61769E-18	0.251415	hyper	sig	chr3_9552621
chr16	1438978	1438978	+	6.577E-20	1.61917E-18	-0.21877	hypo	sig	chr16_1438978
chr11	8169091	8169091	+	6.584E-20	1.62096E-18	0.212763	hyper	sig	chr11_8169091
chr13	36346691	36346691	+	6.585E-20	1.62108E-18	0.222118	hyper	sig	chr13_36346691
chr6	1.68E+08	168285703	+	6.589E-20	1.62202E-18	-0.22085	hypo	sig	chr6_168285703
chr8	1.17E+08	116938240	+	6.594E-20	1.62314E-18	0.241568	hyper	sig	chr8_116938240
chr13	78595688	78595688	+	6.597E-20	1.62378E-18	0.221482	hyper	sig	chr13_78595688
chr2	12718635	12718635	+	6.599E-20	1.62427E-18	0.20862	hyper	sig	chr2_12718635
chr5	1.79E+08	179023545	+	6.602E-20	1.62485E-18	0.203408	hyper	sig	chr5_179023545
chr21	45447934	45447934	+	6.604E-20	1.62541E-18	-0.23135	hypo	sig	chr21_45447934
chr9	93135044	93135044	+	6.607E-20	1.62598E-18	-0.30956	hypo	sig	chr9_93135044
chr5	1.12E+08	112329851	+	6.611E-20	1.62684E-18	-0.31521	hypo	sig	chr5_112329851
chr4	54101311	54101311	+	6.616E-20	1.62786E-18	0.270778	hyper	sig	chr4_54101311
chr5	1.73E+08	173234177	+	6.628E-20	1.6309E-18	0.283419	hyper	sig	chr5_173234177
chr6	50836434	50836434	+	6.63E-20	1.6312E-18	0.237414	hyper	sig	chr6_50836434
chr5	1208964	1208964	+	6.63E-20	1.63122E-18	-0.29071	hypo	sig	chr5_1208964
chr19	58356303	58356303	+	6.638E-20	1.63304E-18	0.226824	hyper	sig	chr19_58356303
chr6	27268054	27268054	+	6.651E-20	1.63624E-18	0.209013	hyper	sig	chr6_27268054
chr13	26010141	26010141	+	6.66E-20	1.63841E-18	-0.23681	hypo	sig	chr13_26010141
chr17	10195048	10195048	+	6.681E-20	1.64341E-18	-0.36356	hypo	sig	chr17_10195048
chr11	1628779	1628779	+	6.684E-20	1.64397E-18	-0.20085	hypo	sig	chr11_1628779
chr13	1.1E+08	110444015	+	6.688E-20	1.64496E-18	-0.24311	hypo	sig	chr13_110444015
chr9	1.37E+08	137031011	+	6.714E-20	1.65124E-18	-0.21408	hypo	sig	chr9_137031011
chr11	92223529	92223529	+	6.716E-20	1.65177E-18	0.255172	hyper	sig	chr11_92223529
chr1	1.47E+08	147079182	+	6.724E-20	1.65367E-18	0.332364	hyper	sig	chr1_147079182
chr8	1.4E+08	139612484	+	6.751E-20	1.66001E-18	-0.26642	hypo	sig	chr8_139612484
chr13	1.13E+08	113405336	+	6.752E-20	1.66021E-18	-0.25571	hypo	sig	chr13_113405336
chr1	2.35E+08	234723165	+	6.753E-20	1.66037E-18	-0.34213	hypo	sig	chr1_234723165
chr16	87604878	87604878	+	6.766E-20	1.66338E-18	-0.20246	hypo	sig	chr16_87604878
chr1	1.21E+08	121118256	+	6.767E-20	1.66365E-18	0.240975	hyper	sig	chr1_121118256
chr11	69250097	69250097	+	6.784E-20	1.66755E-18	-0.22594	hypo	sig	chr11_69250097
chr21	44285292	44285292	+	6.784E-20	1.66755E-18	-0.22159	hypo	sig	chr21_44285292
chr19	39265329	39265329	+	6.787E-20	1.66833E-18	0.33965	hyper	sig	chr19_39265329
chr4	834261	834261	+	6.791E-20	1.66915E-18	-0.22732	hypo	sig	chr4_834261
chr5	1.46E+08	146341265	+	6.8E-20	1.67146E-18	0.24034	hyper	sig	chr5_146341265
chr1	2251997	2251997	+	6.807E-20	1.67302E-18	-0.21471	hypo	sig	chr1_2251997
chr2	2.28E+08	228181728	+	6.812E-20	1.67413E-18	0.257652	hyper	sig	chr2_228181728

chr1	1.53E+08	152805487	+	6.817E-20	1.67534E-18	-0.27759	hypo	sig	chr1_152805487
chr10	75408764	75408764	+	6.821E-20	1.67627E-18	0.279217	hyper	sig	chr10_75408764
chr2	1.21E+08	120546188	+	6.825E-20	1.67728E-18	-0.31566	hypo	sig	chr2_120546188
chr1	20343372	20343372	+	6.828E-20	1.67783E-18	0.234399	hyper	sig	chr1_20343372
chr4	1.83E+08	182806064	+	6.833E-20	1.67896E-18	-0.27046	hypo	sig	chr4_182806064
chr1	90836405	90836405	+	6.839E-20	1.68047E-18	0.375954	hyper	sig	chr1_90836405
chr4	1.47E+08	146637279	+	6.853E-20	1.6837E-18	0.310389	hyper	sig	chr4_146637279
chr5	1.41E+08	140856434	+	6.861E-20	1.68569E-18	0.234728	hyper	sig	chr5_140856434
chr12	53928501	53928501	+	6.874E-20	1.68872E-18	0.275147	hyper	sig	chr12_53928501
chr19	18007837	18007837	+	6.88E-20	1.69026E-18	0.212339	hyper	sig	chr19_18007837
chr16	14309287	14309287	+	6.89E-20	1.69263E-18	0.236818	hyper	sig	chr16_14309287
chr1	1.19E+08	118983880	+	6.915E-20	1.69852E-18	0.2681	hyper	sig	chr1_118983880
chr7	19119101	19119101	+	6.935E-20	1.70335E-18	0.21815	hyper	sig	chr7_19119101
chr3	1.97E+08	196660624	+	6.95E-20	1.70683E-18	-0.25995	hypo	sig	chr3_196660624
chr5	16180190	16180190	+	6.958E-20	1.70881E-18	0.247077	hyper	sig	chr5_16180190
chr19	23002856	23002856	+	6.96E-20	1.70927E-18	0.248044	hyper	sig	chr19_23002856
chr17	82372740	82372740	+	6.962E-20	1.70958E-18	-0.20967	hypo	sig	chr17_82372740
chr20	21102255	21102255	+	6.962E-20	1.70968E-18	0.222321	hyper	sig	chr20_21102255
chr6	1.05E+08	104953074	+	6.992E-20	1.71684E-18	0.245812	hyper	sig	chr6_104953074
chr5	1555764	1555764	+	6.997E-20	1.71784E-18	-0.23469	hypo	sig	chr5_1555764
chr11	22432836	22432836	+	6.999E-20	1.71835E-18	0.310094	hyper	sig	chr11_22432836
chr5	1.23E+08	123087900	+	7.004E-20	1.71954E-18	0.208013	hyper	sig	chr5_123087900
chr1	2.28E+08	227792367	+	7.01E-20	1.72093E-18	-0.24727	hypo	sig	chr1_227792367
chr12	98745555	98745555	+	7.019E-20	1.72314E-18	0.208925	hyper	sig	chr12_98745555
chr4	1.57E+08	157221689	+	7.024E-20	1.72415E-18	0.280143	hyper	sig	chr4_157221689
chr6	1625149	1625149	+	7.034E-20	1.72642E-18	0.2431	hyper	sig	chr6_1625149
chr9	1.38E+08	137873788	+	7.041E-20	1.72807E-18	-0.26972	hypo	sig	chr9_137873788
chr10	93060176	93060176	+	7.054E-20	1.73116E-18	0.29345	hyper	sig	chr10_93060176
chr19	57708996	57708996	+	7.066E-20	1.7342E-18	0.263935	hyper	sig	chr19_57708996
chr1	1926797	1926797	+	7.077E-20	1.73671E-18	-0.25115	hypo	sig	chr1_1926797
chr12	52116053	52116053	+	7.097E-20	1.74142E-18	-0.25603	hypo	sig	chr12_52116053
chr16	3183802	3183802	+	7.098E-20	1.74174E-18	0.224498	hyper	sig	chr16_3183802
chr7	4725263	4725263	+	7.106E-20	1.74361E-18	0.218018	hyper	sig	chr7_4725263
chr4	6664002	6664002	+	7.113E-20	1.74514E-18	0.314519	hyper	sig	chr4_6664002
chr19	15181711	15181711	+	7.114E-20	1.7453E-18	-0.24642	hypo	sig	chr19_15181711
chr17	78997504	78997504	+	7.114E-20	1.74536E-18	-0.23365	hypo	sig	chr17_78997504
chr19	18007991	18007991	+	7.138E-20	1.75119E-18	0.233636	hyper	sig	chr19_18007991
chr13	35475640	35475640	+	7.147E-20	1.75316E-18	0.230026	hyper	sig	chr13_35475640
chr16	1288317	1288317	+	7.154E-20	1.75487E-18	-0.23014	hypo	sig	chr16_1288317
chr2	1.82E+08	181679594	+	7.156E-20	1.75518E-18	0.21211	hyper	sig	chr2_181679594
chr7	1.51E+08	151014077	+	7.158E-20	1.75562E-18	0.213105	hyper	sig	chr7_151014077
chr2	96317824	96317824	+	7.184E-20	1.76172E-18	-0.23334	hypo	sig	chr2_96317824
chr6	28825929	28825929	+	7.184E-20	1.76183E-18	0.251646	hyper	sig	chr6_28825929
chr5	1.73E+08	173244529	+	7.209E-20	1.76771E-18	0.246177	hyper	sig	chr5_173244529
chr1	1.13E+08	112854867	+	7.219E-20	1.77012E-18	0.281263	hyper	sig	chr1_112854867
chr15	57591324	57591324	+	7.227E-20	1.77211E-18	-0.21276	hypo	sig	chr15_57591324
chr14	1.01E+08	101039909	+	7.236E-20	1.77415E-18	-0.20731	hypo	sig	chr14_101039909
chr11	698807	698807	+	7.237E-20	1.77426E-18	0.29831	hyper	sig	chr11_698807
chr1	2.4E+08	240093885	+	7.244E-20	1.77587E-18	0.298293	hyper	sig	chr1_240093885
chr1	1.21E+08	121009620	+	7.267E-20	1.78127E-18	0.279024	hyper	sig	chr1_121009620
chr3	1.29E+08	129046034	+	7.269E-20	1.78181E-18	0.249355	hyper	sig	chr3_129046034
chr13	99969154	99969154	+	7.269E-20	1.78186E-18	0.230112	hyper	sig	chr13_99969154
chr8	57211815	57211815	+	7.279E-20	1.784E-18	-0.21861	hypo	sig	chr8_57211815
chr15	92401604	92401604	+	7.308E-20	1.79112E-18	-0.28202	hypo	sig	chr15_92401604
chr2	1.92E+08	191885902	+	7.313E-20	1.79221E-18	-0.26308	hypo	sig	chr2_191885902
chr8	1.41E+08	140626264	+	7.334E-20	1.79714E-18	-0.22621	hypo	sig	chr8_140626264

chr7	1.46E+08	146115771	+	7.35E-20	1.80099E-18	0.29533	hyper	sig	chr7_146115771
chr13	36432105	36432105	+	7.358E-20	1.80294E-18	0.249896	hyper	sig	chr13_36432105
chr19	6713513	6713513	+	7.366E-20	1.80467E-18	-0.30111	hypo	sig	chr19_6713513
chr10	7407763	7407763	+	7.369E-20	1.80557E-18	0.265578	hyper	sig	chr10_7407763
chr8	70034936	70034936	+	7.38E-20	1.80801E-18	0.403332	hyper	sig	chr8_70034936
chr2	1.3E+08	130139614	+	7.381E-20	1.8082E-18	-0.22479	hypo	sig	chr2_130139614
chr19	56765306	56765306	+	7.382E-20	1.80843E-18	0.291357	hyper	sig	chr19_56765306
chr1	75135591	75135591	+	7.387E-20	1.8097E-18	0.236329	hyper	sig	chr1_75135591
chr11	8169123	8169123	+	7.408E-20	1.81486E-18	0.206729	hyper	sig	chr11_8169123
chr1	2.21E+08	220877358	+	7.424E-20	1.81846E-18	0.250217	hyper	sig	chr1_220877358
chr2	98937343	98937343	+	7.444E-20	1.82333E-18	0.313851	hyper	sig	chr2_98937343
chr10	75408387	75408387	+	7.447E-20	1.82414E-18	0.265308	hyper	sig	chr10_75408387
chr13	53202124	53202124	+	7.449E-20	1.82446E-18	0.260327	hyper	sig	chr13_53202124
chr7	1.55E+08	155257737	+	7.456E-20	1.82617E-18	-0.30289	hypo	sig	chr7_155257737
chr7	27106456	27106456	+	7.461E-20	1.82734E-18	0.256863	hyper	sig	chr7_27106456
chr11	8168705	8168705	+	7.468E-20	1.82897E-18	0.231285	hyper	sig	chr11_8168705
chr12	52233533	52233533	+	7.469E-20	1.82923E-18	0.264532	hyper	sig	chr12_52233533
chr1	1210528	1210528	+	7.474E-20	1.83028E-18	-0.23877	hypo	sig	chr1_1210528
chr14	1.01E+08	100883129	+	7.478E-20	1.83112E-18	-0.24559	hypo	sig	chr14_100883129
chr6	50851223	50851223	+	7.485E-20	1.83269E-18	0.227171	hyper	sig	chr6_50851223
chr17	816171	816171	+	7.491E-20	1.83424E-18	-0.21744	hypo	sig	chr17_816171
chr1	1.61E+08	161238176	+	7.494E-20	1.83498E-18	-0.24942	hypo	sig	chr1_161238176
chr12	64390470	64390470	+	7.495E-20	1.83511E-18	0.208279	hyper	sig	chr12_64390470
chr3	10329900	10329900	+	7.51E-20	1.83856E-18	-0.21526	hypo	sig	chr3_10329900
chr2	2.17E+08	216694694	+	7.514E-20	1.83971E-18	0.2037	hyper	sig	chr2_216694694
chr14	60486213	60486213	+	7.529E-20	1.84332E-18	0.30483	hyper	sig	chr14_60486213
chr4	1113501	1113501	+	7.537E-20	1.84508E-18	0.209885	hyper	sig	chr4_1113501
chr17	76077415	76077415	+	7.539E-20	1.84548E-18	0.226225	hyper	sig	chr17_76077415
chr14	56797508	56797508	+	7.549E-20	1.8478E-18	0.223892	hyper	sig	chr14_56797508
chr7	63901016	63901016	+	7.57E-20	1.85288E-18	0.201792	hyper	sig	chr7_63901016
chr6	29627239	29627239	+	7.578E-20	1.85477E-18	0.223864	hyper	sig	chr6_29627239
chr16	4332026	4332026	+	7.596E-20	1.85896E-18	-0.20675	hypo	sig	chr16_4332026
chr5	88660041	88660041	+	7.634E-20	1.86819E-18	0.24559	hyper	sig	chr5_88660041
chr3	72289303	72289303	+	7.645E-20	1.87071E-18	-0.21304	hypo	sig	chr3_72289303
chr5	2757757	2757757	+	7.645E-20	1.87088E-18	0.296791	hyper	sig	chr5_2757757
chr5	50964276	50964276	+	7.647E-20	1.8711E-18	0.212509	hyper	sig	chr5_50964276
chr4	785432	785432	+	7.649E-20	1.87156E-18	0.227071	hyper	sig	chr4_785432
chr6	10384926	10384926	+	7.652E-20	1.8724E-18	0.289585	hyper	sig	chr6_10384926
chr16	84222558	84222558	+	7.666E-20	1.87559E-18	-0.3103	hypo	sig	chr16_84222558
chr3	1.7E+08	169666731	+	7.67E-20	1.87651E-18	0.25703	hyper	sig	chr3_169666731
chr20	29427465	29427465	+	7.677E-20	1.87824E-18	0.297929	hyper	sig	chr20_29427465
chr12	54034355	54034355	+	7.688E-20	1.88087E-18	0.2415	hyper	sig	chr12_54034355
chr16	55656535	55656535	+	7.689E-20	1.8809E-18	0.220294	hyper	sig	chr16_55656535
chr5	32712985	32712985	+	7.69E-20	1.88129E-18	0.256606	hyper	sig	chr5_32712985
chr11	14904898	14904898	+	7.715E-20	1.88703E-18	0.261206	hyper	sig	chr11_14904898
chr3	1.25E+08	125141971	+	7.717E-20	1.88736E-18	0.264751	hyper	sig	chr3_125141971
chr11	66049054	66049054	+	7.719E-20	1.888E-18	0.27305	hyper	sig	chr11_66049054
chr5	1.23E+08	123094723	+	7.722E-20	1.88861E-18	0.304237	hyper	sig	chr5_123094723
chr5	1.34E+08	134114044	+	7.723E-20	1.88864E-18	0.225678	hyper	sig	chr5_134114044
chr9	1.36E+08	136204354	+	7.725E-20	1.88909E-18	-0.20105	hypo	sig	chr9_136204354
chr7	1.22E+08	122307049	+	7.726E-20	1.88935E-18	0.227191	hyper	sig	chr7_122307049
chr14	24311467	24311467	+	7.727E-20	1.8894E-18	0.202907	hyper	sig	chr14_24311467
chr9	1.34E+08	133911320	+	7.729E-20	1.89003E-18	0.238972	hyper	sig	chr9_133911320
chr3	65357208	65357208	+	7.743E-20	1.89338E-18	0.201442	hyper	sig	chr3_65357208
chr11	33652344	33652344	+	7.748E-20	1.89449E-18	-0.25154	hypo	sig	chr11_33652344
chr11	57596704	57596704	+	7.755E-20	1.89605E-18	-0.25582	hypo	sig	chr11_57596704

chr10	1.24E+08	124008516	+	7.765E-20	1.89852E-18	-0.20388	hypo	sig	chr10_124008516
chr16	85302283	85302283	+	7.776E-20	1.90097E-18	-0.23749	hypo	sig	chr16_85302283
chr16	2184110	2184110	+	7.78E-20	1.902E-18	-0.26927	hypo	sig	chr16_2184110
chr7	45578293	45578293	+	7.787E-20	1.90365E-18	-0.32361	hypo	sig	chr7_45578293
chr4	42152949	42152949	+	7.789E-20	1.90405E-18	0.254919	hyper	sig	chr4_42152949
chr13	1.13E+08	113405943	+	7.792E-20	1.90459E-18	-0.2594	hypo	sig	chr13_113405943
chr16	30007305	30007305	+	7.794E-20	1.90504E-18	-0.25652	hypo	sig	chr16_30007305
chr11	17719749	17719749	+	7.806E-20	1.90795E-18	0.286547	hyper	sig	chr11_17719749
chr5	3590307	3590307	+	7.82E-20	1.91134E-18	0.295456	hyper	sig	chr5_3590307
chr19	50717247	50717247	+	7.834E-20	1.91462E-18	-0.22513	hypo	sig	chr19_50717247
chr17	39868169	39868169	+	7.836E-20	1.91515E-18	0.379958	hyper	sig	chr17_39868169
chr10	1.33E+08	132701126	+	7.847E-20	1.91781E-18	-0.21617	hypo	sig	chr10_132701126
chr3	1.91E+08	190968716	+	7.86E-20	1.92074E-18	-0.25833	hypo	sig	chr3_190968716
chr3	28575232	28575232	+	7.861E-20	1.92089E-18	0.351696	hyper	sig	chr3_28575232
chr14	94690964	94690964	+	7.874E-20	1.92413E-18	-0.27099	hypo	sig	chr14_94690964
chr13	25372761	25372761	+	7.904E-20	1.93113E-18	0.372898	hyper	sig	chr13_25372761
chr1	1.44E+08	143652124	+	7.925E-20	1.93616E-18	0.286243	hyper	sig	chr1_143652124
chr2	94857363	94857363	+	7.93E-20	1.93736E-18	0.257185	hyper	sig	chr2_94857363
chr4	40857118	40857118	+	7.938E-20	1.93925E-18	0.290634	hyper	sig	chr4_40857118
chr4	1.44E+08	143912091	+	7.939E-20	1.93936E-18	0.291531	hyper	sig	chr4_143912091
chr17	77881781	77881781	+	7.939E-20	1.93942E-18	-0.22079	hypo	sig	chr17_77881781
chr6	12749126	12749126	+	7.952E-20	1.94237E-18	0.240617	hyper	sig	chr6_12749126
chr22	16602611	16602611	+	7.963E-20	1.94512E-18	0.20875	hyper	sig	chr22_16602611
chr4	13543667	13543667	+	7.976E-20	1.94807E-18	0.216162	hyper	sig	chr4_13543667
chr1	2.17E+08	217139716	+	7.977E-20	1.94843E-18	0.287959	hyper	sig	chr1_217139716
chr8	2232210	2232210	+	7.993E-20	1.95207E-18	-0.2104	hypo	sig	chr8_2232210
chr5	59893596	59893596	+	8.005E-20	1.95483E-18	0.250707	hyper	sig	chr5_59893596
chr11	1.32E+08	131910152	+	8.016E-20	1.9574E-18	-0.2378	hypo	sig	chr11_131910152
chr3	1.33E+08	133037955	+	8.021E-20	1.95857E-18	0.217948	hyper	sig	chr3_133037955
chr18	47251637	47251637	+	8.024E-20	1.95932E-18	0.204885	hyper	sig	chr18_47251637
chr16	3365146	3365146	+	8.03E-20	1.9606E-18	0.224476	hyper	sig	chr16_3365146
chr8	1.43E+08	142777132	+	8.042E-20	1.9635E-18	0.205728	hyper	sig	chr8_142777132
chr4	4404341	4404341	+	8.05E-20	1.96519E-18	-0.24313	hypo	sig	chr4_4404341
chr15	74367747	74367747	+	8.058E-20	1.96716E-18	-0.20048	hypo	sig	chr15_74367747
chr1	44118849	44118849	+	8.067E-20	1.9693E-18	-0.26284	hypo	sig	chr1_44118849
chr5	1.41E+08	141421834	+	8.082E-20	1.97278E-18	0.233887	hyper	sig	chr5_141421834
chr15	52795180	52795180	+	8.083E-20	1.97317E-18	0.331205	hyper	sig	chr15_52795180
chr1	2.21E+08	220887718	+	8.087E-20	1.97388E-18	0.243945	hyper	sig	chr1_220887718
chr11	1.25E+08	124920999	+	8.088E-20	1.9741E-18	0.286853	hyper	sig	chr11_124920999
chr16	1739643	1739643	+	8.09E-20	1.97454E-18	0.210386	hyper	sig	chr16_1739643
chr2	1.27E+08	126882746	+	8.098E-20	1.97655E-18	-0.27822	hypo	sig	chr2_126882746
chr3	36764688	36764688	+	8.101E-20	1.97705E-18	0.323676	hyper	sig	chr3_36764688
chr4	54104142	54104142	+	8.109E-20	1.97889E-18	0.219444	hyper	sig	chr4_54104142
chr5	1.41E+08	141245605	+	8.113E-20	1.9799E-18	0.219734	hyper	sig	chr5_141245605
chr10	23173350	23173350	+	8.126E-20	1.98285E-18	0.283359	hyper	sig	chr10_23173350
chr4	5890581	5890581	+	8.127E-20	1.983E-18	0.269375	hyper	sig	chr4_5890581
chr1	47450177	47450177	+	8.135E-20	1.98499E-18	-0.22375	hypo	sig	chr1_47450177
chr3	1.54E+08	154429009	+	8.138E-20	1.98566E-18	0.215098	hyper	sig	chr3_154429009
chr20	38728129	38728129	+	8.144E-20	1.98707E-18	0.311135	hyper	sig	chr20_38728129
chr8	1.43E+08	142567286	+	8.155E-20	1.98948E-18	-0.20496	hypo	sig	chr8_142567286
chr12	29783099	29783099	+	8.16E-20	1.99068E-18	0.33134	hyper	sig	chr12_29783099
chr1	2.21E+08	220882203	+	8.166E-20	1.99217E-18	0.219356	hyper	sig	chr1_220882203
chr5	83493622	83493622	+	8.169E-20	1.99277E-18	-0.25337	hypo	sig	chr5_83493622
chr16	31010992	31010992	+	8.173E-20	1.99358E-18	0.203802	hyper	sig	chr16_31010992
chr3	28575191	28575191	+	8.173E-20	1.99358E-18	0.325439	hyper	sig	chr3_28575191
chr16	30821205	30821205	+	8.177E-20	1.99434E-18	-0.25036	hypo	sig	chr16_30821205

chr8	32549427	32549427	+	8.191E-20	1.99772E-18	0.237622	hyper	sig	chr8_32549427
chr17	8057106	8057106	+	8.191E-20	1.99783E-18	-0.33502	hypo	sig	chr17_8057106
chr3	62377398	62377398	+	8.22E-20	2.0046E-18	0.243839	hyper	sig	chr3_62377398
chr20	17228004	17228004	+	8.221E-20	2.00465E-18	0.228623	hyper	sig	chr20_17228004
chr6	83524578	83524578	+	8.222E-20	2.00489E-18	-0.23908	hypo	sig	chr6_83524578
chr6	98825133	98825133	+	8.227E-20	2.00605E-18	0.283352	hyper	sig	chr6_98825133
chr19	28723547	28723547	+	8.231E-20	2.00688E-18	-0.25235	hypo	sig	chr19_28723547
chr14	56795386	56795386	+	8.238E-20	2.00858E-18	0.208191	hyper	sig	chr14_56795386
chr7	92608645	92608645	+	8.245E-20	2.01026E-18	-0.30077	hypo	sig	chr7_92608645
chr7	1.22E+08	122299773	+	8.269E-20	2.01589E-18	0.231907	hyper	sig	chr7_122299773
chr8	49911822	49911822	+	8.28E-20	2.01828E-18	0.271189	hyper	sig	chr8_49911822
chr3	1.05E+08	105353825	+	8.282E-20	2.01884E-18	0.255751	hyper	sig	chr3_105353825
chr17	48623109	48623109	+	8.287E-20	2.02002E-18	-0.30179	hypo	sig	chr17_48623109
chr16	2184043	2184043	+	8.299E-20	2.02271E-18	-0.21383	hypo	sig	chr16_2184043
chr17	81124827	81124827	+	8.335E-20	2.03145E-18	-0.23197	hypo	sig	chr17_81124827
chr8	1.4E+08	140238488	+	8.363E-20	2.03806E-18	-0.21576	hypo	sig	chr8_140238488
chr10	97186958	97186958	+	8.402E-20	2.04757E-18	-0.20687	hypo	sig	chr10_97186958
chr8	1.38E+08	138496556	+	8.412E-20	2.04975E-18	0.236783	hyper	sig	chr8_138496556
chr19	18220250	18220250	+	8.423E-20	2.05223E-18	-0.20322	hypo	sig	chr19_18220250
chr5	1.79E+08	178940620	+	8.427E-20	2.05322E-18	0.283256	hyper	sig	chr5_178940620
chr2	70768074	70768074	+	8.428E-20	2.05328E-18	0.221639	hyper	sig	chr2_70768074
chr20	7803786	7803786	+	8.429E-20	2.05347E-18	0.238934	hyper	sig	chr20_7803786
chr15	89360380	89360380	+	8.43E-20	2.0537E-18	0.260149	hyper	sig	chr15_89360380
chr11	69053966	69053966	+	8.432E-20	2.05408E-18	-0.20389	hypo	sig	chr11_69053966
chr13	1.08E+08	107865744	+	8.446E-20	2.05752E-18	0.26512	hyper	sig	chr13_107865744
chr7	1.01E+08	101269815	+	8.459E-20	2.06053E-18	-0.22942	hypo	sig	chr7_101269815
chr19	49036583	49036583	+	8.466E-20	2.06212E-18	-0.20868	hypo	sig	chr19_49036583
chr17	43643579	43643579	+	8.469E-20	2.06278E-18	-0.29007	hypo	sig	chr17_43643579
chr19	1762376	1762376	+	8.477E-20	2.06479E-18	0.235335	hyper	sig	chr19_1762376
chr13	25171335	25171335	+	8.491E-20	2.06798E-18	0.342309	hyper	sig	chr13_25171335
chr17	41635480	41635480	+	8.493E-20	2.06837E-18	-0.21789	hypo	sig	chr17_41635480
chr3	9552484	9552484	+	8.515E-20	2.07348E-18	0.245939	hyper	sig	chr3_9552484
chr4	1.04E+08	103719332	+	8.516E-20	2.07377E-18	0.207917	hyper	sig	chr4_103719332
chr7	1.22E+08	122300593	+	8.52E-20	2.07474E-18	0.245545	hyper	sig	chr7_122300593
chr19	22010603	22010603	+	8.522E-20	2.07519E-18	0.241495	hyper	sig	chr19_22010603
chr12	53982276	53982276	+	8.536E-20	2.07851E-18	0.226657	hyper	sig	chr12_53982276
chr17	49895005	49895005	+	8.552E-20	2.08224E-18	-0.31511	hypo	sig	chr17_49895005
chr5	1.73E+08	173244686	+	8.561E-20	2.08429E-18	0.280967	hyper	sig	chr5_173244686
chr7	1.57E+08	157124840	+	8.582E-20	2.0891E-18	-0.23754	hypo	sig	chr7_157124840
chr6	36270453	36270453	+	8.597E-20	2.09277E-18	-0.24257	hypo	sig	chr6_36270453
chr11	8169143	8169143	+	8.617E-20	2.09746E-18	0.204295	hyper	sig	chr11_8169143
chr19	50608149	50608149	+	8.648E-20	2.10496E-18	0.205421	hyper	sig	chr19_50608149
chr19	36418762	36418762	+	8.664E-20	2.10871E-18	0.219003	hyper	sig	chr19_36418762
chr22	45930146	45930146	+	8.667E-20	2.10938E-18	-0.27992	hypo	sig	chr22_45930146
chr6	50706800	50706800	+	8.68E-20	2.11245E-18	0.203029	hyper	sig	chr6_50706800
chr1	3360173	3360173	+	8.689E-20	2.11459E-18	-0.23245	hypo	sig	chr1_3360173
chr19	37817745	37817745	+	8.694E-20	2.11556E-18	0.290556	hyper	sig	chr19_37817745
chr10	1.33E+08	132943034	+	8.704E-20	2.11814E-18	0.262509	hyper	sig	chr10_132943034
chr21	38664566	38664566	+	8.705E-20	2.11816E-18	-0.28276	hypo	sig	chr21_38664566
chr10	1.32E+08	132375400	+	8.724E-20	2.12276E-18	-0.20351	hypo	sig	chr10_132375400
chr8	24914681	24914681	+	8.735E-20	2.12544E-18	0.239096	hyper	sig	chr8_24914681
chr1	983085	983085	+	8.741E-20	2.12678E-18	-0.24826	hypo	sig	chr1_983085
chr1	3009176	3009176	+	8.748E-20	2.12835E-18	-0.22539	hypo	sig	chr1_3009176
chr5	1.59E+08	159105465	+	8.752E-20	2.12921E-18	0.221559	hyper	sig	chr5_159105465
chr7	4725268	4725268	+	8.765E-20	2.13236E-18	0.223843	hyper	sig	chr7_4725268
chr20	21515439	21515439	+	8.768E-20	2.13305E-18	0.287381	hyper	sig	chr20_21515439

chr4	65668294	65668294	+	8.77E-20	2.1334E-18	0.221117	hyper	sig	chr4_65668294
chr4	1405467	1405467	+	8.77E-20	2.13343E-18	0.279507	hyper	sig	chr4_1405467
chr14	56809900	56809900	+	8.773E-20	2.13398E-18	0.242883	hyper	sig	chr14_56809900
chr1	21591073	21591073	+	8.786E-20	2.13687E-18	-0.29371	hypo	sig	chr1_21591073
chr12	95858010	95858010	+	8.792E-20	2.13833E-18	0.276967	hyper	sig	chr12_95858010
chr16	2956349	2956349	+	8.813E-20	2.1433E-18	-0.20048	hypo	sig	chr16_2956349
chr6	1.69E+08	168887192	+	8.834E-20	2.14827E-18	-0.22463	hypo	sig	chr6_168887192
chr5	1194024	1194024	+	8.84E-20	2.14988E-18	-0.21362	hypo	sig	chr5_1194024
chr2	1.31E+08	131040493	+	8.85E-20	2.15207E-18	0.216027	hyper	sig	chr2_131040493
chr2	2.42E+08	241985753	+	8.859E-20	2.15416E-18	-0.26304	hypo	sig	chr2_241985753
chr2	89611971	89611971	+	8.859E-20	2.15421E-18	0.278504	hyper	sig	chr2_89611971
chr11	1.04E+08	104165037	+	8.862E-20	2.1549E-18	-0.25288	hypo	sig	chr11_104165037
chr10	99329280	99329280	+	8.873E-20	2.15732E-18	0.226778	hyper	sig	chr10_99329280
chr8	1.08E+08	108081839	+	8.891E-20	2.16163E-18	0.22806	hyper	sig	chr8_108081839
chr10	1.33E+08	133164643	+	8.903E-20	2.1644E-18	-0.20157	hypo	sig	chr10_133164643
chr16	1543213	1543213	+	8.921E-20	2.16868E-18	-0.22212	hypo	sig	chr16_1543213
chr8	51408506	51408506	+	8.924E-20	2.16929E-18	-0.26947	hypo	sig	chr8_51408506
chr1	1.19E+08	118983856	+	8.925E-20	2.16949E-18	0.255958	hyper	sig	chr1_118983856
chr20	21702187	21702187	+	8.928E-20	2.17026E-18	0.25552	hyper	sig	chr20_21702187
chr19	35302580	35302580	+	8.939E-20	2.17274E-18	-0.30182	hypo	sig	chr19_35302580
chr6	1.69E+08	169224511	+	8.952E-20	2.1758E-18	-0.27274	hypo	sig	chr6_169224511
chr16	1023544	1023544	+	8.991E-20	2.18492E-18	-0.20182	hypo	sig	chr16_1023544
chr17	17456521	17456521	+	9.003E-20	2.18783E-18	-0.23249	hypo	sig	chr17_17456521
chr13	1.13E+08	112638462	+	9.007E-20	2.18872E-18	-0.24296	hypo	sig	chr13_112638462
chr21	33025452	33025452	+	9.013E-20	2.19002E-18	0.242788	hyper	sig	chr21_33025452
chr2	949762	949762	+	9.024E-20	2.19262E-18	0.257481	hyper	sig	chr2_949762
chr12	6142237	6142237	+	9.034E-20	2.19497E-18	-0.31429	hypo	sig	chr12_6142237
chr8	90791493	90791493	+	9.047E-20	2.19822E-18	0.325135	hyper	sig	chr8_90791493
chr10	26217557	26217557	+	9.048E-20	2.19833E-18	0.31384	hyper	sig	chr10_26217557
chr12	1.03E+08	103302374	+	9.056E-20	2.2002E-18	0.246162	hyper	sig	chr12_103302374
chr14	36659344	36659344	+	9.065E-20	2.20231E-18	0.213029	hyper	sig	chr14_36659344
chr10	1.33E+08	132943084	+	9.075E-20	2.20464E-18	0.264177	hyper	sig	chr10_132943084
chr6	28259231	28259231	+	9.083E-20	2.2066E-18	0.283437	hyper	sig	chr6_28259231
chr19	861822	861822	+	9.098E-20	2.21004E-18	-0.21086	hypo	sig	chr19_861822
chr1	24920363	24920363	+	9.102E-20	2.21089E-18	-0.21628	hypo	sig	chr1_24920363
chr6	36285361	36285361	+	9.105E-20	2.21151E-18	0.217652	hyper	sig	chr6_36285361
chr16	51150967	51150967	+	9.111E-20	2.21302E-18	0.317037	hyper	sig	chr16_51150967
chr12	41189559	41189559	+	9.12E-20	2.21508E-18	0.327393	hyper	sig	chr12_41189559
chr10	1.19E+08	118595146	+	9.129E-20	2.2173E-18	0.221071	hyper	sig	chr10_118595146
chr12	54019256	54019256	+	9.159E-20	2.22441E-18	0.269362	hyper	sig	chr12_54019256
chr5	1.36E+08	136356346	+	9.17E-20	2.22678E-18	-0.2619	hypo	sig	chr5_136356346
chr20	64059822	64059822	+	9.203E-20	2.23445E-18	-0.26706	hypo	sig	chr20_64059822
chr5	1.41E+08	141350578	+	9.214E-20	2.23711E-18	0.224449	hyper	sig	chr5_141350578
chr5	1.73E+08	173232247	+	9.214E-20	2.23711E-18	0.206798	hyper	sig	chr5_173232247
chr16	86497215	86497215	+	9.218E-20	2.23813E-18	0.252909	hyper	sig	chr16_86497215
chr11	1.21E+08	120510627	+	9.23E-20	2.24073E-18	-0.28212	hypo	sig	chr11_120510627
chr13	1.08E+08	107867778	+	9.26E-20	2.24783E-18	0.221339	hyper	sig	chr13_107867778
chr8	9903094	9903094	+	9.268E-20	2.24963E-18	0.236915	hyper	sig	chr8_9903094
chr16	89052630	89052630	+	9.271E-20	2.25037E-18	-0.31537	hypo	sig	chr16_89052630
chr11	529100	529100	+	9.273E-20	2.25084E-18	-0.23227	hypo	sig	chr11_529100
chr15	67824899	67824899	+	9.287E-20	2.25397E-18	0.21775	hyper	sig	chr15_67824899
chr13	78594478	78594478	+	9.293E-20	2.25548E-18	0.216113	hyper	sig	chr13_78594478
chr14	24311537	24311537	+	9.305E-20	2.25812E-18	0.202981	hyper	sig	chr14_24311537
chr17	44762599	44762599	+	9.306E-20	2.25833E-18	-0.2267	hypo	sig	chr17_44762599
chr13	1.12E+08	112457634	+	9.311E-20	2.25949E-18	-0.21841	hypo	sig	chr13_112457634
chr2	1.76E+08	176083334	+	9.358E-20	2.27053E-18	0.252398	hyper	sig	chr2_176083334

chr7	1.57E+08	157470755	+	9.366E-20	2.2724E-18	-0.29599	hypo	sig	chr7_157470755
chr17	80792106	80792106	+	9.369E-20	2.27326E-18	-0.2914	hypo	sig	chr17_80792106
chr3	1.92E+08	192410237	+	9.376E-20	2.27487E-18	0.41037	hyper	sig	chr3_192410237
chr10	1.01E+08	100519879	+	9.38E-20	2.27575E-18	0.328904	hyper	sig	chr10_100519879
chr5	1.79E+08	179060838	+	9.392E-20	2.27848E-18	0.2534	hyper	sig	chr5_179060838
chr10	59177113	59177113	+	9.394E-20	2.27883E-18	0.237219	hyper	sig	chr10_59177113
chr5	1.56E+08	155729584	+	9.396E-20	2.2793E-18	0.253563	hyper	sig	chr5_155729584
chr17	21452758	21452758	+	9.401E-20	2.28051E-18	0.239201	hyper	sig	chr17_21452758
chr10	49613641	49613641	+	9.411E-20	2.28282E-18	0.24986	hyper	sig	chr10_49613641
chr8	56113149	56113149	+	9.415E-20	2.28368E-18	0.251338	hyper	sig	chr8_56113149
chr2	2.06E+08	206444146	+	9.424E-20	2.28583E-18	0.290014	hyper	sig	chr2_206444146
chr5	1.35E+08	135466842	+	9.434E-20	2.28801E-18	0.269232	hyper	sig	chr5_135466842
chr17	82876312	82876312	+	9.442E-20	2.29009E-18	-0.20868	hypo	sig	chr17_82876312
chr8	1.43E+08	142800042	+	9.483E-20	2.29977E-18	-0.21785	hypo	sig	chr8_142800042
chr16	88100811	88100811	+	9.487E-20	2.30045E-18	0.239892	hyper	sig	chr16_88100811
chr11	1.3E+08	129743789	+	9.5E-20	2.3036E-18	-0.27412	hypo	sig	chr11_129743789
chr5	1.41E+08	141370362	+	9.502E-20	2.30404E-18	0.25986	hyper	sig	chr5_141370362
chr1	12143533	12143533	+	9.518E-20	2.30777E-18	-0.22958	hypo	sig	chr1_12143533
chr19	38233689	38233689	+	9.523E-20	2.30896E-18	-0.27414	hypo	sig	chr19_38233689
chr20	62330911	62330911	+	9.525E-20	2.30937E-18	-0.20284	hypo	sig	chr20_62330911
chr17	81841605	81841605	+	9.538E-20	2.31242E-18	-0.26701	hypo	sig	chr17_81841605
chr19	2511515	2511515	+	9.55E-20	2.31515E-18	-0.2324	hypo	sig	chr19_2511515
chr13	1.13E+08	112721709	+	9.586E-20	2.32389E-18	-0.32365	hypo	sig	chr13_112721709
chr6	31730945	31730945	+	9.592E-20	2.32518E-18	-0.23664	hypo	sig	chr6_31730945
chr2	2.41E+08	240701853	+	9.602E-20	2.32742E-18	-0.23457	hypo	sig	chr2_240701853
chr2	1.24E+08	124024617	+	9.607E-20	2.32851E-18	0.227656	hyper	sig	chr2_124024617
chr4	1.11E+08	110633814	+	9.607E-20	2.32851E-18	0.255615	hyper	sig	chr4_110633814
chr6	28817251	28817251	+	9.619E-20	2.3313E-18	0.210374	hyper	sig	chr6_28817251
chr1	1.44E+08	143651861	+	9.62E-20	2.33153E-18	0.232671	hyper	sig	chr1_143651861
chr6	30156091	30156091	+	9.63E-20	2.33394E-18	-0.2799	hypo	sig	chr6_30156091
chr16	89042993	89042993	+	9.646E-20	2.33747E-18	-0.26189	hypo	sig	chr16_89042993
chr3	1.72E+08	172450008	+	9.65E-20	2.33835E-18	0.238169	hyper	sig	chr3_172450008
chr5	1446328	1446328	+	9.673E-20	2.34382E-18	0.305262	hyper	sig	chr5_1446328
chr1	1.53E+08	153349535	+	9.718E-20	2.35429E-18	-0.22316	hypo	sig	chr1_153349535
chr5	1.41E+08	141432082	+	9.742E-20	2.36022E-18	0.22498	hyper	sig	chr5_141432082
chr7	1.29E+08	128872633	+	9.747E-20	2.36139E-18	-0.29666	hypo	sig	chr7_128872633
chr3	62379185	62379185	+	9.748E-20	2.3614E-18	0.268755	hyper	sig	chr3_62379185
chr19	51949067	51949067	+	9.754E-20	2.36266E-18	0.230338	hyper	sig	chr19_51949067
chr9	1.35E+08	134802732	+	9.766E-20	2.3655E-18	-0.20682	hypo	sig	chr9_134802732
chr5	2754642	2754642	+	9.783E-20	2.36963E-18	0.224078	hyper	sig	chr5_2754642
chr3	68929226	68929226	+	9.81E-20	2.37592E-18	-0.31514	hypo	sig	chr3_68929226
chr15	92818694	92818694	+	9.82E-20	2.37818E-18	-0.28568	hypo	sig	chr15_92818694
chr7	1705540	1705540	+	9.827E-20	2.37989E-18	-0.23862	hypo	sig	chr7_1705540
chr20	45316895	45316895	+	9.829E-20	2.38015E-18	0.400107	hyper	sig	chr20_45316895
chr12	75207738	75207738	+	9.83E-20	2.38029E-18	0.281371	hyper	sig	chr12_75207738
chr7	64883012	64883012	+	9.85E-20	2.38519E-18	0.33844	hyper	sig	chr7_64883012
chr19	15010697	15010697	+	9.854E-20	2.38604E-18	0.279	hyper	sig	chr19_15010697
chr7	1.01E+08	101269835	+	9.858E-20	2.38704E-18	-0.24064	hypo	sig	chr7_101269835
chr13	1.13E+08	112892126	+	9.877E-20	2.39139E-18	-0.2451	hypo	sig	chr13_112892126
chr19	22052495	22052495	+	9.878E-20	2.39148E-18	0.223746	hyper	sig	chr19_22052495
chr3	1.72E+08	172448094	+	9.892E-20	2.39469E-18	0.289131	hyper	sig	chr3_172448094
chr13	1.12E+08	111957000	+	9.91E-20	2.39901E-18	-0.21652	hypo	sig	chr13_111957000
chr6	1.7E+08	170083391	+	9.917E-20	2.40049E-18	-0.20577	hypo	sig	chr6_170083391
chr4	1.55E+08	154743017	+	9.92E-20	2.40126E-18	0.2515	hyper	sig	chr4_154743017
chr6	37538627	37538627	+	9.934E-20	2.40444E-18	-0.34705	hypo	sig	chr6_37538627
chr5	320759	320759	+	9.939E-20	2.40562E-18	0.234481	hyper	sig	chr5_320759

chr16	55331914	55331914	+	9.97E-20	2.41305E-18	0.303491	hyper	sig	chr16_55331914
chr12	54090584	54090584	+	9.983E-20	2.41599E-18	0.249688	hyper	sig	chr12_54090584
chr13	24932065	24932065	+	9.99E-20	2.41762E-18	0.212019	hyper	sig	chr13_24932065
chr2	1.24E+08	123826985	+	9.993E-20	2.41838E-18	-0.30797	hypo	sig	chr2_123826985
chr19	33623157	33623157	+	9.996E-20	2.4188E-18	0.222471	hyper	sig	chr19_33623157
chr4	1.47E+08	146637087	+	9.996E-20	2.4188E-18	0.27915	hyper	sig	chr4_146637087
chr4	7772829	7772829	+	1.001E-19	2.42246E-18	0.257466	hyper	sig	chr4_7772829
chr7	19119041	19119041	+	1.002E-19	2.42357E-18	0.226157	hyper	sig	chr7_19119041
chr5	1.11E+08	111070708	+	1.003E-19	2.42567E-18	0.21738	hyper	sig	chr5_111070708
chr19	53037649	53037649	+	1.003E-19	2.42781E-18	0.245216	hyper	sig	chr19_53037649
chr11	32438115	32438115	+	1.004E-19	2.42818E-18	0.234175	hyper	sig	chr11_32438115
chr6	40588829	40588829	+	1.005E-19	2.4302E-18	-0.22928	hypo	sig	chr6_40588829
chr4	41359611	41359611	+	1.005E-19	2.43023E-18	-0.308	hypo	sig	chr4_41359611
chr12	30794984	30794984	+	1.005E-19	2.43054E-18	-0.2484	hypo	sig	chr12_30794984
chr4	84495767	84495767	+	1.007E-19	2.43575E-18	0.242672	hyper	sig	chr4_84495767
chr5	1.41E+08	141374003	+	1.007E-19	2.43695E-18	0.209738	hyper	sig	chr5_141374003
chr12	54055168	54055168	+	1.008E-19	2.43826E-18	0.313944	hyper	sig	chr12_54055168
chr11	1918286	1918286	+	1.009E-19	2.44014E-18	-0.22942	hypo	sig	chr11_1918286
chr7	44144882	44144882	+	1.011E-19	2.44608E-18	-0.20201	hypo	sig	chr7_44144882
chr7	5294647	5294647	+	1.012E-19	2.44867E-18	-0.21593	hypo	sig	chr7_5294647
chr1	2428654	2428654	+	1.015E-19	2.45506E-18	-0.20359	hypo	sig	chr1_2428654
chr17	80478261	80478261	+	1.015E-19	2.45544E-18	0.222138	hyper	sig	chr17_80478261
chr8	1.43E+08	143265027	+	1.018E-19	2.46082E-18	-0.2331	hypo	sig	chr8_143265027
chr12	57628718	57628718	+	1.018E-19	2.46206E-18	0.210109	hyper	sig	chr12_57628718
chr4	8618212	8618212	+	1.019E-19	2.46312E-18	-0.28964	hypo	sig	chr4_8618212
chr8	1029542	1029542	+	1.025E-19	2.47841E-18	-0.24924	hypo	sig	chr8_1029542
chr1	1.48E+08	148318331	+	1.025E-19	2.47914E-18	0.291999	hyper	sig	chr1_148318331
chr13	57629712	57629712	+	1.026E-19	2.48002E-18	0.32901	hyper	sig	chr13_57629712
chr11	1.25E+08	124920931	+	1.026E-19	2.48006E-18	0.245866	hyper	sig	chr11_124920931
chr13	41455833	41455833	+	1.027E-19	2.4823E-18	-0.22075	hypo	sig	chr13_41455833
chr4	13529599	13529599	+	1.032E-19	2.49454E-18	0.22546	hyper	sig	chr4_13529599
chr2	1E+08	100409499	+	1.033E-19	2.49591E-18	-0.20854	hypo	sig	chr2_100409499
chr18	47248698	47248698	+	1.033E-19	2.49593E-18	0.238518	hyper	sig	chr18_47248698
chr19	3785830	3785830	+	1.035E-19	2.501E-18	0.212446	hyper	sig	chr19_3785830
chr22	36819952	36819952	+	1.036E-19	2.50287E-18	-0.22276	hypo	sig	chr22_36819952
chr11	1.23E+08	122976807	+	1.036E-19	2.50302E-18	0.307458	hyper	sig	chr11_122976807
chr2	1.92E+08	192195545	+	1.036E-19	2.50343E-18	0.225446	hyper	sig	chr2_192195545
chr20	52104680	52104680	+	1.036E-19	2.50424E-18	0.257697	hyper	sig	chr20_52104680
chr5	1.41E+08	141234812	+	1.037E-19	2.50603E-18	0.212073	hyper	sig	chr5_141234812
chr5	1.41E+08	141408352	+	1.037E-19	2.50707E-18	0.243198	hyper	sig	chr5_141408352
chr1	1.83E+08	183416812	+	1.048E-19	2.53283E-18	0.244124	hyper	sig	chr1_183416812
chr7	1.44E+08	144407435	+	1.049E-19	2.5341E-18	-0.31579	hypo	sig	chr7_144407435
chr6	1.7E+08	170244250	+	1.049E-19	2.53441E-18	-0.21603	hypo	sig	chr6_170244250
chr15	77902133	77902133	+	1.052E-19	2.54104E-18	-0.2398	hypo	sig	chr15_77902133
chr3	1.73E+08	173141200	+	1.052E-19	2.54218E-18	-0.20335	hypo	sig	chr3_173141200
chr20	63074825	63074825	+	1.053E-19	2.54318E-18	-0.20922	hypo	sig	chr20_63074825
chr4	1.88E+08	188139552	+	1.053E-19	2.54394E-18	-0.28244	hypo	sig	chr4_188139552
chr19	728161	728161	+	1.055E-19	2.54872E-18	-0.27333	hypo	sig	chr19_728161
chr17	202699	202699	+	1.055E-19	2.54929E-18	-0.2216	hypo	sig	chr17_202699
chr16	85209647	85209647	+	1.056E-19	2.54948E-18	-0.25553	hypo	sig	chr16_85209647
chr20	56625834	56625834	+	1.057E-19	2.55278E-18	0.258807	hyper	sig	chr20_56625834
chr20	30891847	30891847	+	1.057E-19	2.55329E-18	0.266694	hyper	sig	chr20_30891847
chr19	52536142	52536142	+	1.058E-19	2.5562E-18	0.251392	hyper	sig	chr19_52536142
chr14	70187002	70187002	+	1.061E-19	2.56212E-18	0.302334	hyper	sig	chr14_70187002
chr1	2426199	2426199	+	1.063E-19	2.56645E-18	-0.24302	hypo	sig	chr1_2426199
chr1	1.19E+08	118986752	+	1.064E-19	2.56873E-18	0.216491	hyper	sig	chr1_118986752

chr11	1.18E+08	117987275	+	1.066E-19	2.57277E-18	-0.24519	hypo	sig	chr11_117987275
chr12	57236489	57236489	+	1.066E-19	2.57429E-18	0.24978	hyper	sig	chr12_57236489
chr5	1.77E+08	176806916	+	1.066E-19	2.57429E-18	-0.24635	hypo	sig	chr5_176806916
chr15	52783523	52783523	+	1.067E-19	2.57663E-18	0.200564	hyper	sig	chr15_52783523
chr19	57709002	57709002	+	1.067E-19	2.57692E-18	0.263009	hyper	sig	chr19_57709002
chr17	82066301	82066301	+	1.068E-19	2.5777E-18	-0.22935	hypo	sig	chr17_82066301
chr3	1.72E+08	172448498	+	1.07E-19	2.58355E-18	0.281298	hyper	sig	chr3_172448498
chr17	48596032	48596032	+	1.074E-19	2.59161E-18	-0.22226	hypo	sig	chr17_48596032
chr5	1.73E+08	173245564	+	1.077E-19	2.59915E-18	0.272498	hyper	sig	chr5_173245564
chr21	41068773	41068773	+	1.078E-19	2.60143E-18	-0.2404	hypo	sig	chr21_41068773
chr11	22341320	22341320	+	1.08E-19	2.60588E-18	0.252952	hyper	sig	chr11_22341320
chr7	1.01E+08	101362687	+	1.08E-19	2.60646E-18	0.259769	hyper	sig	chr7_101362687
chr17	80478256	80478256	+	1.084E-19	2.61485E-18	0.209694	hyper	sig	chr17_80478256
chr3	27724494	27724494	+	1.084E-19	2.61634E-18	0.337622	hyper	sig	chr3_27724494
chr6	1.66E+08	165848387	+	1.085E-19	2.61845E-18	-0.27288	hypo	sig	chr6_165848387
chr5	93573368	93573368	+	1.087E-19	2.62191E-18	0.236316	hyper	sig	chr5_93573368
chr5	1809598	1809598	+	1.087E-19	2.62255E-18	-0.22203	hypo	sig	chr5_1809598
chr19	3881227	3881227	+	1.092E-19	2.63465E-18	0.238329	hyper	sig	chr19_3881227
chr17	79234586	79234586	+	1.093E-19	2.63562E-18	-0.25434	hypo	sig	chr17_79234586
chr2	20671371	20671371	+	1.093E-19	2.6367E-18	0.282667	hyper	sig	chr2_20671371
chr15	1.01E+08	100974026	+	1.093E-19	2.63725E-18	0.302328	hyper	sig	chr15_100974026
chr6	28400115	28400115	+	1.097E-19	2.64606E-18	0.276999	hyper	sig	chr6_28400115
chr7	1.54E+08	153886538	+	1.097E-19	2.64619E-18	0.352793	hyper	sig	chr7_153886538
chr15	67826243	67826243	+	1.097E-19	2.64675E-18	0.22947	hyper	sig	chr15_67826243
chr3	1.84E+08	184492370	+	1.1E-19	2.65197E-18	0.260429	hyper	sig	chr3_184492370
chr13	1.02E+08	101916596	+	1.1E-19	2.65283E-18	0.268078	hyper	sig	chr13_101916596
chr5	63960426	63960426	+	1.101E-19	2.65607E-18	0.245821	hyper	sig	chr5_63960426
chr12	1.13E+08	113464505	+	1.102E-19	2.65673E-18	0.230112	hyper	sig	chr12_113464505
chr6	28259307	28259307	+	1.105E-19	2.66358E-18	0.215665	hyper	sig	chr6_28259307
chr8	11877926	11877926	+	1.105E-19	2.6638E-18	-0.27592	hypo	sig	chr8_11877926
chr5	77972628	77972628	+	1.105E-19	2.66444E-18	0.303324	hyper	sig	chr5_77972628
chr6	10886904	10886904	+	1.106E-19	2.66598E-18	0.235064	hyper	sig	chr6_10886904
chr3	13283367	13283367	+	1.106E-19	2.66674E-18	0.208744	hyper	sig	chr3_13283367
chr3	1.28E+08	128493426	+	1.107E-19	2.66871E-18	0.258965	hyper	sig	chr3_128493426
chr10	23172640	23172640	+	1.107E-19	2.66872E-18	0.26485	hyper	sig	chr10_23172640
chr18	11147801	11147801	+	1.108E-19	2.67208E-18	0.240124	hyper	sig	chr18_11147801
chr19	49038766	49038766	+	1.108E-19	2.67229E-18	-0.22368	hypo	sig	chr19_49038766
chr7	1.57E+08	157297282	+	1.109E-19	2.67465E-18	-0.29946	hypo	sig	chr7_157297282
chr7	98212104	98212104	+	1.11E-19	2.67556E-18	-0.22623	hypo	sig	chr7_98212104
chr7	86645127	86645127	+	1.11E-19	2.67619E-18	0.258537	hyper	sig	chr7_86645127
chr10	1.32E+08	132280595	+	1.11E-19	2.67673E-18	-0.26081	hypo	sig	chr10_132280595
chr19	50717278	50717278	+	1.111E-19	2.67808E-18	-0.2243	hypo	sig	chr19_50717278
chr10	1.33E+08	133083533	+	1.114E-19	2.68582E-18	-0.22925	hypo	sig	chr10_133083533
chr3	62369858	62369858	+	1.115E-19	2.68708E-18	0.269033	hyper	sig	chr3_62369858
chr16	30474254	30474254	+	1.117E-19	2.69119E-18	0.288813	hyper	sig	chr16_30474254
chr5	1.41E+08	141225689	+	1.117E-19	2.69323E-18	0.243929	hyper	sig	chr5_141225689
chr12	1.11E+08	111033452	+	1.12E-19	2.70023E-18	0.290027	hyper	sig	chr12_111033452
chr1	23169504	23169504	+	1.121E-19	2.70142E-18	-0.28625	hypo	sig	chr1_23169504
chr20	3408841	3408841	+	1.121E-19	2.70226E-18	0.206442	hyper	sig	chr20_3408841
chr10	1.01E+08	101237613	+	1.121E-19	2.70226E-18	0.207096	hyper	sig	chr10_101237613
chr12	1.27E+08	127456346	+	1.125E-19	2.71181E-18	0.348448	hyper	sig	chr12_127456346
chr12	1.1E+08	109606808	+	1.127E-19	2.71463E-18	-0.26411	hypo	sig	chr12_109606808
chr12	1.32E+08	132426447	+	1.129E-19	2.72006E-18	-0.25545	hypo	sig	chr12_132426447
chr16	1038479	1038479	+	1.13E-19	2.72115E-18	-0.21296	hypo	sig	chr16_1038479
chr5	88678335	88678335	+	1.131E-19	2.72534E-18	0.22679	hyper	sig	chr5_88678335
chr17	48720353	48720353	+	1.132E-19	2.72746E-18	0.290076	hyper	sig	chr17_48720353

chr19	37551317	37551317	+	1.133E-19	2.72904E-18	0.296251	hyper	sig	chr19_37551317
chr20	62561079	62561079	+	1.135E-19	2.73251E-18	-0.21315	hypo	sig	chr20_62561079
chr2	1.82E+08	181682872	+	1.135E-19	2.73281E-18	0.323503	hyper	sig	chr2_181682872
chr2	20670398	20670398	+	1.135E-19	2.73329E-18	0.295649	hyper	sig	chr2_20670398
chr5	17656528	17656528	+	1.135E-19	2.73416E-18	-0.24178	hypo	sig	chr5_17656528
chr10	1.32E+08	132140584	+	1.136E-19	2.73582E-18	-0.25192	hypo	sig	chr10_132140584
chr1	31548808	31548808	+	1.137E-19	2.73858E-18	-0.23341	hypo	sig	chr1_31548808
chr19	52493298	52493298	+	1.138E-19	2.74113E-18	0.258191	hyper	sig	chr19_52493298
chr10	1.33E+08	133115281	+	1.14E-19	2.7449E-18	-0.21209	hypo	sig	chr10_133115281
chr11	1.23E+08	123299545	+	1.141E-19	2.74654E-18	-0.37774	hypo	sig	chr11_123299545
chr8	1.43E+08	143285209	+	1.141E-19	2.74792E-18	-0.23575	hypo	sig	chr8_143285209
chr16	85982765	85982765	+	1.142E-19	2.74934E-18	-0.20545	hypo	sig	chr16_85982765
chr10	1.31E+08	131253406	+	1.142E-19	2.74985E-18	-0.20887	hypo	sig	chr10_131253406
chr3	55474497	55474497	+	1.143E-19	2.75215E-18	0.203038	hyper	sig	chr3_55474497
chr13	99969149	99969149	+	1.145E-19	2.75541E-18	0.216829	hyper	sig	chr13_99969149
chr16	11676394	11676394	+	1.145E-19	2.75601E-18	-0.26661	hypo	sig	chr16_11676394
chr1	47450075	47450075	+	1.145E-19	2.75664E-18	-0.21611	hypo	sig	chr1_47450075
chr10	1.01E+08	101227785	+	1.147E-19	2.75947E-18	0.244494	hyper	sig	chr10_101227785
chr14	1.01E+08	101061351	+	1.147E-19	2.75999E-18	-0.20974	hypo	sig	chr14_101061351
chr22	48396890	48396890	+	1.148E-19	2.76367E-18	-0.22935	hypo	sig	chr22_48396890
chr5	1.59E+08	159096423	+	1.149E-19	2.76404E-18	0.273534	hyper	sig	chr5_159096423
chr19	1993046	1993046	+	1.149E-19	2.76425E-18	-0.23816	hypo	sig	chr19_1993046
chr3	10992180	10992180	+	1.151E-19	2.76846E-18	0.321665	hyper	sig	chr3_10992180
chr4	7287770	7287770	+	1.151E-19	2.76919E-18	-0.25797	hypo	sig	chr4_7287770
chr5	1.41E+08	141408302	+	1.153E-19	2.77319E-18	0.239663	hyper	sig	chr5_141408302
chr19	15181604	15181604	+	1.153E-19	2.77393E-18	-0.28746	hypo	sig	chr19_15181604
chr17	78041109	78041109	+	1.153E-19	2.77402E-18	-0.26694	hypo	sig	chr17_78041109
chr7	1.49E+08	149415263	+	1.155E-19	2.77837E-18	0.228718	hyper	sig	chr7_149415263
chr1	2.43E+08	242525232	+	1.158E-19	2.78466E-18	0.219842	hyper	sig	chr1_242525232
chr22	39231586	39231586	+	1.165E-19	2.80085E-18	-0.22495	hypo	sig	chr22_39231586
chr2	5692876	5692876	+	1.167E-19	2.80571E-18	0.239797	hyper	sig	chr2_5692876
chr12	1.33E+08	132766902	+	1.168E-19	2.80916E-18	-0.27244	hypo	sig	chr12_132766902
chr6	1.68E+08	168280947	+	1.169E-19	2.81119E-18	-0.23962	hypo	sig	chr6_168280947
chr3	62371169	62371169	+	1.169E-19	2.81136E-18	0.236506	hyper	sig	chr3_62371169
chr16	89834393	89834393	+	1.17E-19	2.81368E-18	-0.31336	hypo	sig	chr16_89834393
chr13	25096004	25096004	+	1.171E-19	2.81494E-18	0.255648	hyper	sig	chr13_25096004
chr4	1113493	1113493	+	1.171E-19	2.81613E-18	0.206955	hyper	sig	chr4_1113493
chr1	1.19E+08	119006133	+	1.172E-19	2.81723E-18	0.305813	hyper	sig	chr1_119006133
chr9	970299	970299	+	1.172E-19	2.81783E-18	0.221443	hyper	sig	chr9_970299
chr1	3404115	3404115	+	1.173E-19	2.82051E-18	-0.20137	hypo	sig	chr1_3404115
chr4	1.47E+08	146637413	+	1.175E-19	2.82546E-18	0.242432	hyper	sig	chr4_146637413
chr8	56113370	56113370	+	1.176E-19	2.82785E-18	0.253138	hyper	sig	chr8_56113370
chr10	1.23E+08	122818795	+	1.177E-19	2.82935E-18	0.203906	hyper	sig	chr10_122818795
chr5	1.23E+08	123095004	+	1.178E-19	2.8324E-18	0.234971	hyper	sig	chr5_123095004
chr19	40483878	40483878	+	1.18E-19	2.83592E-18	-0.34472	hypo	sig	chr19_40483878
chr4	1.72E+08	171812936	+	1.181E-19	2.83727E-18	0.222955	hyper	sig	chr4_171812936
chr7	97731932	97731932	+	1.181E-19	2.83727E-18	0.230717	hyper	sig	chr7_97731932
chr12	1.33E+08	132905003	+	1.185E-19	2.8468E-18	0.270309	hyper	sig	chr12_132905003
chr8	64379244	64379244	+	1.185E-19	2.8478E-18	0.253406	hyper	sig	chr8_64379244
chr10	55630162	55630162	+	1.185E-19	2.84857E-18	0.282054	hyper	sig	chr10_55630162
chr7	1.51E+08	151395260	+	1.186E-19	2.84974E-18	-0.22811	hypo	sig	chr7_151395260
chr13	1.12E+08	111535115	+	1.186E-19	2.8499E-18	0.24848	hyper	sig	chr13_111535115
chr4	787342	787342	+	1.189E-19	2.85601E-18	-0.21698	hypo	sig	chr4_787342
chr7	1.59E+08	159007043	+	1.19E-19	2.85839E-18	-0.21398	hypo	sig	chr7_159007043
chr11	1.2E+08	119741169	+	1.19E-19	2.85933E-18	-0.24218	hypo	sig	chr11_119741169
chr2	2.31E+08	230991218	+	1.191E-19	2.86191E-18	0.278647	hyper	sig	chr2_230991218

chr11	1085460	1085460	+	1.193E-19	2.86606E-18	-0.25072	hypo	sig	chr11_1085460
chr11	72244170	72244170	+	1.195E-19	2.87006E-18	0.290198	hyper	sig	chr11_72244170
chr11	31825286	31825286	+	1.195E-19	2.87068E-18	0.213674	hyper	sig	chr11_31825286
chr8	84183790	84183790	+	1.195E-19	2.87145E-18	0.257092	hyper	sig	chr8_84183790
chr2	2.13E+08	212536574	+	1.199E-19	2.88084E-18	0.234068	hyper	sig	chr2_212536574
chr5	1.41E+08	141234777	+	1.2E-19	2.88325E-18	0.245061	hyper	sig	chr5_141234777
chr7	64045832	64045832	+	1.202E-19	2.88634E-18	0.241579	hyper	sig	chr7_64045832
chr4	913104	913104	+	1.204E-19	2.89058E-18	-0.23971	hypo	sig	chr4_913104
chr8	1350289	1350289	+	1.204E-19	2.89253E-18	-0.31417	hypo	sig	chr8_1350289
chr3	1.47E+08	147394301	+	1.205E-19	2.89475E-18	0.256664	hyper	sig	chr3_147394301
chr2	11635701	11635701	+	1.207E-19	2.89771E-18	-0.21855	hypo	sig	chr2_11635701
chr1	2028119	2028119	+	1.208E-19	2.9E-18	-0.21284	hypo	sig	chr1_2028119
chr17	80178675	80178675	+	1.209E-19	2.90324E-18	-0.22856	hypo	sig	chr17_80178675
chr6	17016229	17016229	+	1.209E-19	2.90413E-18	0.253767	hyper	sig	chr6_17016229
chr8	64369132	64369132	+	1.21E-19	2.90452E-18	0.326406	hyper	sig	chr8_64369132
chr6	32201873	32201873	+	1.21E-19	2.90537E-18	-0.22018	hypo	sig	chr6_32201873
chr1	52843589	52843589	+	1.212E-19	2.90899E-18	0.331629	hyper	sig	chr1_52843589
chr10	8069779	8069779	+	1.212E-19	2.90899E-18	-0.2458	hypo	sig	chr10_8069779
chr17	82876189	82876189	+	1.213E-19	2.91116E-18	-0.21996	hypo	sig	chr17_82876189
chr4	80185977	80185977	+	1.215E-19	2.91638E-18	0.231119	hyper	sig	chr4_80185977
chr10	1.11E+08	110644996	+	1.218E-19	2.92504E-18	0.248785	hyper	sig	chr10_110644996
chr6	1.67E+08	166691415	+	1.22E-19	2.92886E-18	-0.30714	hypo	sig	chr6_166691415
chr2	3598798	3598798	+	1.222E-19	2.93267E-18	-0.27476	hypo	sig	chr2_3598798
chr22	37103813	37103813	+	1.223E-19	2.9344E-18	-0.22301	hypo	sig	chr22_37103813
chr7	1234542	1234542	+	1.224E-19	2.93666E-18	0.246298	hyper	sig	chr7_1234542
chr21	44709325	44709325	+	1.225E-19	2.93902E-18	0.220993	hyper	sig	chr21_44709325
chr13	52849957	52849957	+	1.225E-19	2.94077E-18	0.234197	hyper	sig	chr13_52849957
chr5	1.41E+08	141360423	+	1.228E-19	2.94658E-18	0.218316	hyper	sig	chr5_141360423
chr6	50843022	50843022	+	1.228E-19	2.94701E-18	0.212102	hyper	sig	chr6_50843022
chr17	30559102	30559102	+	1.233E-19	2.95816E-18	-0.26389	hypo	sig	chr17_30559102
chr2	1.54E+08	153871974	+	1.233E-19	2.95935E-18	0.228935	hyper	sig	chr2_153871974
chr10	49613446	49613446	+	1.233E-19	2.95958E-18	0.210713	hyper	sig	chr10_49613446
chr2	2.19E+08	219332933	+	1.234E-19	2.95968E-18	0.244075	hyper	sig	chr2_219332933
chr11	20160733	20160733	+	1.235E-19	2.96194E-18	0.27019	hyper	sig	chr11_20160733
chr19	1467093	1467093	+	1.235E-19	2.96365E-18	0.231708	hyper	sig	chr19_1467093
chr4	1.35E+08	134952390	+	1.239E-19	2.97288E-18	-0.2704	hypo	sig	chr4_134952390
chr8	1.43E+08	142510249	+	1.239E-19	2.97327E-18	0.211521	hyper	sig	chr8_142510249
chr6	32043702	32043702	+	1.243E-19	2.9812E-18	-0.28787	hypo	sig	chr6_32043702
chr6	29792172	29792172	+	1.244E-19	2.98396E-18	0.255827	hyper	sig	chr6_29792172
chr8	10729315	10729315	+	1.245E-19	2.98739E-18	0.244032	hyper	sig	chr8_10729315
chr2	1.15E+08	115161168	+	1.247E-19	2.99023E-18	0.232253	hyper	sig	chr2_115161168
chr7	1.51E+08	151403847	+	1.247E-19	2.99099E-18	-0.30859	hypo	sig	chr7_151403847
chr1	2328439	2328439	+	1.248E-19	2.99266E-18	-0.21273	hypo	sig	chr1_2328439
chr13	21668952	21668952	+	1.249E-19	2.9947E-18	0.282256	hyper	sig	chr13_21668952
chr5	1.59E+08	159104519	+	1.251E-19	3.00098E-18	0.276164	hyper	sig	chr5_159104519
chr2	1E+08	100321318	+	1.252E-19	3.00171E-18	0.304907	hyper	sig	chr2_100321318
chr6	10385194	10385194	+	1.252E-19	3.00171E-18	0.260378	hyper	sig	chr6_10385194
chr17	81412587	81412587	+	1.255E-19	3.00906E-18	-0.21162	hypo	sig	chr17_81412587
chr5	1.35E+08	135029094	+	1.255E-19	3.00987E-18	0.255663	hyper	sig	chr5_135029094
chr5	88672037	88672037	+	1.257E-19	3.0141E-18	0.204018	hyper	sig	chr5_88672037
chr4	3689341	3689341	+	1.258E-19	3.0169E-18	-0.21229	hypo	sig	chr4_3689341
chr17	8621776	8621776	+	1.262E-19	3.02562E-18	-0.30364	hypo	sig	chr17_8621776
chr10	26215279	26215279	+	1.262E-19	3.02599E-18	0.228761	hyper	sig	chr10_26215279
chr3	1.47E+08	147397161	+	1.262E-19	3.02627E-18	0.226664	hyper	sig	chr3_147397161
chr16	3183791	3183791	+	1.262E-19	3.02706E-18	0.246031	hyper	sig	chr16_3183791
chr17	82315409	82315409	+	1.263E-19	3.02904E-18	-0.22404	hypo	sig	chr17_82315409

chr10	7411985	7411985	+	1.264E-19	3.02964E-18	0.323176	hyper	sig	chr10_7411985
chr13	70107647	70107647	+	1.264E-19	3.03049E-18	0.276728	hyper	sig	chr13_70107647
chr1	90836429	90836429	+	1.268E-19	3.03957E-18	0.36463	hyper	sig	chr1_90836429
chr3	1.33E+08	133038897	+	1.269E-19	3.04111E-18	0.238888	hyper	sig	chr3_133038897
chr17	65538376	65538376	+	1.269E-19	3.04146E-18	-0.32251	hypo	sig	chr17_65538376
chr1	11500317	11500317	+	1.273E-19	3.0505E-18	-0.26321	hypo	sig	chr1_11500317
chr2	2.22E+08	222308342	+	1.276E-19	3.05857E-18	0.241644	hyper	sig	chr2_222308342
chr19	18878109	18878109	+	1.278E-19	3.06277E-18	-0.28241	hypo	sig	chr19_18878109
chr19	9498528	9498528	+	1.278E-19	3.06339E-18	0.294328	hyper	sig	chr19_9498528
chr3	44021925	44021925	+	1.279E-19	3.0652E-18	0.213475	hyper	sig	chr3_44021925
chr1	2.08E+08	207645517	+	1.28E-19	3.06667E-18	0.217497	hyper	sig	chr1_207645517
chr16	3962996	3962996	+	1.28E-19	3.06738E-18	-0.23077	hypo	sig	chr16_3962996
chr15	33311768	33311768	+	1.28E-19	3.06851E-18	0.277408	hyper	sig	chr15_33311768
chr1	53508093	53508093	+	1.281E-19	3.0694E-18	-0.20668	hypo	sig	chr1_53508093
chr19	33626299	33626299	+	1.283E-19	3.07427E-18	-0.25517	hypo	sig	chr19_33626299
chr2	2.38E+08	238099187	+	1.284E-19	3.0775E-18	-0.24664	hypo	sig	chr2_238099187
chr19	10514178	10514178	+	1.285E-19	3.07906E-18	0.230236	hyper	sig	chr19_10514178
chr16	86507897	86507897	+	1.285E-19	3.07913E-18	0.223439	hyper	sig	chr16_86507897
chr5	88660091	88660091	+	1.285E-19	3.07913E-18	0.288042	hyper	sig	chr5_88660091
chr8	64371931	64371931	+	1.285E-19	3.07913E-18	0.31848	hyper	sig	chr8_64371931
chr5	1.41E+08	140882649	+	1.286E-19	3.08049E-18	0.226407	hyper	sig	chr5_140882649
chr12	49904151	49904151	+	1.286E-19	3.08118E-18	0.214095	hyper	sig	chr12_49904151
chr11	733237	733237	+	1.287E-19	3.08191E-18	-0.24409	hypo	sig	chr11_733237
chr20	56001359	56001359	+	1.288E-19	3.08497E-18	-0.22455	hypo	sig	chr20_56001359
chr4	1.74E+08	173528803	+	1.289E-19	3.08706E-18	0.233097	hyper	sig	chr4_173528803
chr3	56683776	56683776	+	1.289E-19	3.08835E-18	-0.2636	hypo	sig	chr3_56683776
chr6	1.46E+08	146434490	+	1.29E-19	3.08977E-18	0.255935	hyper	sig	chr6_146434490
chr10	1.32E+08	132163332	+	1.292E-19	3.0944E-18	-0.23522	hypo	sig	chr10_132163332
chr19	28727238	28727238	+	1.3E-19	3.11331E-18	0.275022	hyper	sig	chr19_28727238
chr15	84079850	84079850	+	1.301E-19	3.11578E-18	0.205053	hyper	sig	chr15_84079850
chr1	39671417	39671417	+	1.303E-19	3.12077E-18	0.248007	hyper	sig	chr1_39671417
chr7	41700119	41700119	+	1.303E-19	3.12113E-18	0.205146	hyper	sig	chr7_41700119
chr16	85265038	85265038	+	1.306E-19	3.12729E-18	-0.24073	hypo	sig	chr16_85265038
chr10	35608040	35608040	+	1.307E-19	3.12918E-18	0.207833	hyper	sig	chr10_35608040
chr4	1.04E+08	103720041	+	1.312E-19	3.14089E-18	0.233136	hyper	sig	chr4_103720041
chr16	29157111	29157111	+	1.315E-19	3.14754E-18	-0.2915	hypo	sig	chr16_29157111
chr19	50789247	50789247	+	1.317E-19	3.15215E-18	-0.25407	hypo	sig	chr19_50789247
chr12	1.15E+08	114687128	+	1.319E-19	3.15709E-18	0.213828	hyper	sig	chr12_114687128
chr7	1.51E+08	151200562	+	1.32E-19	3.15952E-18	-0.23552	hypo	sig	chr7_151200562
chr2	1.2E+08	120340950	+	1.32E-19	3.1598E-18	-0.29322	hypo	sig	chr2_120340950
chr20	63369705	63369705	+	1.32E-19	3.16031E-18	-0.30884	hypo	sig	chr20_63369705
chr11	65833355	65833355	+	1.321E-19	3.16093E-18	0.27441	hyper	sig	chr11_65833355
chr20	63402151	63402151	+	1.321E-19	3.16203E-18	-0.25038	hypo	sig	chr20_63402151
chr14	36659588	36659588	+	1.322E-19	3.16487E-18	0.219169	hyper	sig	chr14_36659588
chr11	1449154	1449154	+	1.323E-19	3.16578E-18	-0.26801	hypo	sig	chr11_1449154
chr1	2E+08	200038715	+	1.323E-19	3.16704E-18	0.358704	hyper	sig	chr1_200038715
chr4	10457710	10457710	+	1.324E-19	3.16943E-18	0.251413	hyper	sig	chr4_10457710
chr15	37097244	37097244	+	1.327E-19	3.17579E-18	0.2034	hyper	sig	chr15_37097244
chr22	49671395	49671395	+	1.329E-19	3.18043E-18	0.212806	hyper	sig	chr22_49671395
chr5	1.35E+08	135490141	+	1.33E-19	3.18121E-18	0.210377	hyper	sig	chr5_135490141
chr6	7468440	7468440	+	1.33E-19	3.1814E-18	-0.25587	hypo	sig	chr6_7468440
chr5	45696407	45696407	+	1.334E-19	3.19059E-18	0.206305	hyper	sig	chr5_45696407
chr6	1.69E+08	169140685	+	1.334E-19	3.19226E-18	-0.2072	hypo	sig	chr6_169140685
chr6	1.59E+08	158663313	+	1.335E-19	3.19382E-18	-0.30957	hypo	sig	chr6_158663313
chr2	89611927	89611927	+	1.337E-19	3.19822E-18	0.253842	hyper	sig	chr2_89611927
chr15	71783496	71783496	+	1.337E-19	3.19876E-18	-0.22584	hypo	sig	chr15_71783496

chr15	55588961	55588961	+	1.34E-19	3.20436E-18	0.300563	hyper	sig	chr15_55588961
chr12	42145705	42145705	+	1.34E-19	3.20457E-18	-0.31587	hypo	sig	chr12_42145705
chr3	1.23E+08	122926552	+	1.342E-19	3.21E-18	-0.21008	hypo	sig	chr3_122926552
chr12	63150051	63150051	+	1.343E-19	3.21186E-18	0.247414	hyper	sig	chr12_63150051
chr6	26744058	26744058	+	1.345E-19	3.21802E-18	0.25766	hyper	sig	chr6_26744058
chr6	1.37E+08	137492741	+	1.346E-19	3.21807E-18	0.273266	hyper	sig	chr6_137492741
chr19	10514173	10514173	+	1.346E-19	3.21976E-18	0.216129	hyper	sig	chr19_10514173
chr4	8410702	8410702	+	1.347E-19	3.22108E-18	-0.23101	hypo	sig	chr4_8410702
chr1	35577449	35577449	+	1.347E-19	3.2213E-18	0.221125	hyper	sig	chr1_35577449
chr9	1.34E+08	133674270	+	1.347E-19	3.22199E-18	-0.27713	hypo	sig	chr9_133674270
chr3	3183690	3183690	+	1.348E-19	3.22367E-18	-0.28536	hypo	sig	chr3_3183690
chr12	54053982	54053982	+	1.351E-19	3.23028E-18	0.209032	hyper	sig	chr12_54053982
chr1	5834933	5834933	+	1.351E-19	3.2316E-18	-0.21725	hypo	sig	chr1_5834933
chr2	89611953	89611953	+	1.353E-19	3.23525E-18	0.280236	hyper	sig	chr2_89611953
chr5	430372	430372	+	1.353E-19	3.23584E-18	-0.26163	hypo	sig	chr5_430372
chr11	75717902	75717902	+	1.357E-19	3.24411E-18	-0.219	hypo	sig	chr11_75717902
chr2	2.06E+08	206444279	+	1.357E-19	3.24411E-18	0.263515	hyper	sig	chr2_206444279
chr1	1.83E+08	183418225	+	1.358E-19	3.2466E-18	0.209494	hyper	sig	chr1_183418225
chr5	1.41E+08	140848899	+	1.358E-19	3.24674E-18	0.228429	hyper	sig	chr5_140848899
chr12	1.07E+08	106585704	+	1.359E-19	3.24881E-18	0.239321	hyper	sig	chr12_106585704
chr19	12513652	12513652	+	1.36E-19	3.25066E-18	0.286555	hyper	sig	chr19_12513652
chr1	63329703	63329703	+	1.36E-19	3.25208E-18	0.234116	hyper	sig	chr1_63329703
chr18	905128	905128	+	1.364E-19	3.26109E-18	0.296112	hyper	sig	chr18_905128
chr15	41894225	41894225	+	1.364E-19	3.26117E-18	-0.23239	hypo	sig	chr15_41894225
chr10	1.33E+08	132785012	+	1.365E-19	3.26219E-18	0.240058	hyper	sig	chr10_132785012
chr12	52319256	52319256	+	1.365E-19	3.26344E-18	-0.2193	hypo	sig	chr12_52319256
chr5	88685403	88685403	+	1.366E-19	3.26503E-18	0.231372	hyper	sig	chr5_88685403
chr22	19149390	19149390	+	1.37E-19	3.27442E-18	0.228316	hyper	sig	chr22_19149390
chr22	42946997	42946997	+	1.371E-19	3.27569E-18	-0.2086	hypo	sig	chr22_42946997
chr16	85181938	85181938	+	1.371E-19	3.27685E-18	-0.21946	hypo	sig	chr16_85181938
chr12	8221512	8221512	+	1.371E-19	3.27686E-18	-0.24786	hypo	sig	chr12_8221512
chr5	3606384	3606384	+	1.377E-19	3.28941E-18	0.215338	hyper	sig	chr5_3606384
chr2	2.22E+08	222297981	+	1.377E-19	3.29054E-18	0.259248	hyper	sig	chr2_222297981
chr10	1.16E+08	116271351	+	1.382E-19	3.30171E-18	0.310351	hyper	sig	chr10_116271351
chr7	1.58E+08	158253329	+	1.383E-19	3.30354E-18	-0.23175	hypo	sig	chr7_158253329
chr10	23191029	23191029	+	1.383E-19	3.30509E-18	0.270643	hyper	sig	chr10_23191029
chr19	19860855	19860855	+	1.384E-19	3.3064E-18	0.260286	hyper	sig	chr19_19860855
chr3	1.33E+08	133393952	+	1.384E-19	3.30764E-18	-0.21543	hypo	sig	chr3_133393952
chr11	1.35E+08	134712903	+	1.39E-19	3.32002E-18	-0.20654	hypo	sig	chr11_134712903
chr7	988305	988305	+	1.392E-19	3.32406E-18	-0.2561	hypo	sig	chr7_988305
chr11	1.3E+08	130416624	+	1.392E-19	3.32412E-18	-0.31779	hypo	sig	chr11_130416624
chr1	1.83E+08	183417660	+	1.392E-19	3.32538E-18	0.229038	hyper	sig	chr1_183417660
chr2	73642839	73642839	+	1.393E-19	3.32746E-18	-0.25409	hypo	sig	chr2_73642839
chr5	1.78E+08	178078477	+	1.395E-19	3.33265E-18	-0.30397	hypo	sig	chr5_178078477
chr1	75128079	75128079	+	1.397E-19	3.33669E-18	0.215903	hyper	sig	chr1_75128079
chr4	1.85E+08	184951384	+	1.398E-19	3.338E-18	-0.20091	hypo	sig	chr4_184951384
chr1	1.65E+08	165355229	+	1.398E-19	3.33893E-18	0.233892	hyper	sig	chr1_165355229
chr17	48606281	48606281	+	1.4E-19	3.34187E-18	-0.20707	hypo	sig	chr17_48606281
chr7	1.08E+08	107843341	+	1.401E-19	3.34423E-18	-0.32353	hypo	sig	chr7_107843341
chr18	80033422	80033422	+	1.401E-19	3.34513E-18	0.239058	hyper	sig	chr18_80033422
chr15	74367801	74367801	+	1.403E-19	3.35044E-18	-0.20315	hypo	sig	chr15_74367801
chr2	1.45E+08	144524648	+	1.404E-19	3.35178E-18	0.222072	hyper	sig	chr2_144524648
chr10	49679609	49679609	+	1.404E-19	3.35231E-18	0.258537	hyper	sig	chr10_49679609
chr5	1.77E+08	177328170	+	1.406E-19	3.35715E-18	-0.24175	hypo	sig	chr5_177328170
chr2	96527875	96527875	+	1.408E-19	3.36142E-18	0.294332	hyper	sig	chr2_96527875
chr8	1062309	1062309	+	1.409E-19	3.36249E-18	0.219224	hyper	sig	chr8_1062309

chr4	4871548	4871548	+	1.41E-19	3.36604E-18	0.200135	hyper	sig	chr4_4871548
chr17	48725429	48725429	+	1.411E-19	3.36828E-18	0.208763	hyper	sig	chr17_48725429
chr19	10545010	10545010	+	1.413E-19	3.37286E-18	-0.22921	hypo	sig	chr19_10545010
chr12	1.13E+08	113472778	+	1.415E-19	3.37595E-18	0.27589	hyper	sig	chr12_113472778
chr1	2.01E+08	201462364	+	1.415E-19	3.37786E-18	-0.25659	hypo	sig	chr1_201462364
chr6	1625232	1625232	+	1.416E-19	3.37887E-18	0.225852	hyper	sig	chr6_1625232
chr13	1.12E+08	112241263	+	1.419E-19	3.38559E-18	-0.2034	hypo	sig	chr13_112241263
chr19	53058188	53058188	+	1.422E-19	3.39202E-18	0.31137	hyper	sig	chr19_53058188
chr1	1.11E+08	110675674	+	1.423E-19	3.39525E-18	0.228063	hyper	sig	chr1_110675674
chr18	37567585	37567585	+	1.424E-19	3.39698E-18	0.267387	hyper	sig	chr18_37567585
chr17	74671060	74671060	+	1.424E-19	3.39766E-18	0.251323	hyper	sig	chr17_74671060
chr6	1.23E+08	122997826	+	1.425E-19	3.39968E-18	-0.2971	hypo	sig	chr6_122997826
chr18	906725	906725	+	1.426E-19	3.40085E-18	0.252612	hyper	sig	chr18_906725
chr17	78453395	78453395	+	1.427E-19	3.40359E-18	-0.26747	hypo	sig	chr17_78453395
chr16	89202545	89202545	+	1.429E-19	3.40957E-18	0.219451	hyper	sig	chr16_89202545
chr16	57764438	57764438	+	1.431E-19	3.41417E-18	-0.28151	hypo	sig	chr16_57764438
chr1	16520866	16520866	+	1.436E-19	3.42621E-18	0.23805	hyper	sig	chr1_16520866
chr7	1.57E+08	157462483	+	1.437E-19	3.42797E-18	-0.24433	hypo	sig	chr7_157462483
chr8	1.44E+08	143899483	+	1.438E-19	3.42856E-18	-0.32165	hypo	sig	chr8_143899483
chr16	87381603	87381603	+	1.438E-19	3.42954E-18	-0.30011	hypo	sig	chr16_87381603
chr10	1.33E+08	133278556	+	1.441E-19	3.43738E-18	-0.21711	hypo	sig	chr10_133278556
chr5	1.41E+08	141402982	+	1.442E-19	3.43964E-18	0.208307	hyper	sig	chr5_141402982
chr12	1.11E+08	111033680	+	1.445E-19	3.44529E-18	0.248677	hyper	sig	chr12_111033680
chr19	39318884	39318884	+	1.448E-19	3.45277E-18	-0.25562	hypo	sig	chr19_39318884
chr6	1.52E+08	152100340	+	1.448E-19	3.45277E-18	-0.25059	hypo	sig	chr6_152100340
chr13	52849918	52849918	+	1.448E-19	3.45335E-18	0.229479	hyper	sig	chr13_52849918
chr5	5302106	5302106	+	1.451E-19	3.46061E-18	-0.28632	hypo	sig	chr5_5302106
chr1	1.82E+08	182056916	+	1.455E-19	3.47009E-18	0.225512	hyper	sig	chr1_182056916
chr19	4902882	4902882	+	1.456E-19	3.47056E-18	-0.32013	hypo	sig	chr19_4902882
chr17	56597811	56597811	+	1.458E-19	3.47577E-18	0.214461	hyper	sig	chr17_56597811
chr5	1.35E+08	135050469	+	1.458E-19	3.47665E-18	0.264678	hyper	sig	chr5_135050469
chr20	31473081	31473081	+	1.463E-19	3.48743E-18	-0.23159	hypo	sig	chr20_31473081
chr13	1.14E+08	114121684	+	1.464E-19	3.49095E-18	-0.21657	hypo	sig	chr13_114121684
chr16	30007295	30007295	+	1.465E-19	3.49297E-18	-0.25693	hypo	sig	chr16_30007295
chr11	31805552	31805552	+	1.467E-19	3.49727E-18	0.200802	hyper	sig	chr11_31805552
chr13	1.13E+08	113420476	+	1.468E-19	3.49913E-18	-0.23734	hypo	sig	chr13_113420476
chr17	50571896	50571896	+	1.476E-19	3.51654E-18	-0.222	hypo	sig	chr17_50571896
chr16	27327070	27327070	+	1.48E-19	3.52732E-18	-0.25448	hypo	sig	chr16_27327070
chr2	71466046	71466046	+	1.482E-19	3.53164E-18	0.22108	hyper	sig	chr2_71466046
chr6	1625240	1625240	+	1.483E-19	3.53321E-18	0.237486	hyper	sig	chr6_1625240
chr14	96595103	96595103	+	1.484E-19	3.53508E-18	-0.24463	hypo	sig	chr14_96595103
chr1	27351424	27351424	+	1.485E-19	3.53882E-18	0.228955	hyper	sig	chr1_27351424
chr7	12404208	12404208	+	1.487E-19	3.54152E-18	0.244879	hyper	sig	chr7_12404208
chr19	52398097	52398097	+	1.487E-19	3.54265E-18	0.238592	hyper	sig	chr19_52398097
chr2	71466041	71466041	+	1.489E-19	3.54589E-18	0.217531	hyper	sig	chr2_71466041
chr18	33440972	33440972	+	1.489E-19	3.54742E-18	0.324581	hyper	sig	chr18_33440972
chr7	1.53E+08	152828150	+	1.494E-19	3.55916E-18	-0.24257	hypo	sig	chr7_152828150
chr6	32050103	32050103	+	1.495E-19	3.56003E-18	-0.23182	hypo	sig	chr6_32050103
chr19	1520503	1520503	+	1.495E-19	3.56108E-18	-0.26916	hypo	sig	chr19_1520503
chr3	69541871	69541871	+	1.497E-19	3.56499E-18	0.27927	hyper	sig	chr3_69541871
chr1	11654191	11654191	+	1.502E-19	3.5757E-18	0.233723	hyper	sig	chr1_11654191
chr6	30171950	30171950	+	1.502E-19	3.57675E-18	0.261015	hyper	sig	chr6_30171950
chr17	82795678	82795678	+	1.505E-19	3.5836E-18	-0.25398	hypo	sig	chr17_82795678
chr13	27926677	27926677	+	1.507E-19	3.58811E-18	0.348773	hyper	sig	chr13_27926677
chr11	2732712	2732712	+	1.507E-19	3.58834E-18	-0.22173	hypo	sig	chr11_2732712
chr19	9498322	9498322	+	1.508E-19	3.59114E-18	0.297964	hyper	sig	chr19_9498322

chr15	93041758	93041758	+	1.51E-19	3.59448E-18	-0.20968	hypo	sig	chr15_93041758
chr2	1.19E+08	118845909	+	1.51E-19	3.5951E-18	0.213431	hyper	sig	chr2_118845909
chr16	85620986	85620986	+	1.512E-19	3.59947E-18	-0.20483	hypo	sig	chr16_85620986
chr5	1.41E+08	141121729	+	1.514E-19	3.60286E-18	0.264173	hyper	sig	chr5_141121729
chr6	29792333	29792333	+	1.514E-19	3.60313E-18	0.334325	hyper	sig	chr6_29792333
chr8	11019802	11019802	+	1.516E-19	3.60933E-18	-0.21842	hypo	sig	chr8_11019802
chr1	11720226	11720226	+	1.519E-19	3.61417E-18	-0.2131	hypo	sig	chr1_11720226
chr19	51327158	51327158	+	1.519E-19	3.61451E-18	0.365931	hyper	sig	chr19_51327158
chr3	48273459	48273459	+	1.524E-19	3.62679E-18	-0.25645	hypo	sig	chr3_48273459
chr1	2.21E+08	220891628	+	1.524E-19	3.62708E-18	0.267992	hyper	sig	chr1_220891628
chr8	1.41E+08	141223297	+	1.524E-19	3.62708E-18	0.215496	hyper	sig	chr8_141223297
chr16	55328834	55328834	+	1.524E-19	3.62711E-18	0.269124	hyper	sig	chr16_55328834
chr11	69667323	69667323	+	1.525E-19	3.62917E-18	0.246619	hyper	sig	chr11_69667323
chr22	32204976	32204976	+	1.53E-19	3.63976E-18	-0.28026	hypo	sig	chr22_32204976
chr11	58830787	58830787	+	1.53E-19	3.64047E-18	0.241948	hyper	sig	chr11_58830787
chr10	7409808	7409808	+	1.533E-19	3.64797E-18	0.223133	hyper	sig	chr10_7409808
chr12	1.14E+08	114405576	+	1.535E-19	3.65038E-18	0.204701	hyper	sig	chr12_114405576
chr5	1107077	1107077	+	1.536E-19	3.65357E-18	-0.2277	hypo	sig	chr5_1107077
chr2	2.4E+08	240144458	+	1.537E-19	3.65643E-18	-0.22357	hypo	sig	chr2_240144458
chr4	8591780	8591780	+	1.538E-19	3.65868E-18	-0.21473	hypo	sig	chr4_8591780
chr10	1.28E+08	127736910	+	1.539E-19	3.66056E-18	0.328274	hyper	sig	chr10_127736910
chr4	1.25E+08	125267427	+	1.54E-19	3.66369E-18	-0.25003	hypo	sig	chr4_125267427
chr7	97021936	97021936	+	1.54E-19	3.66378E-18	0.295398	hyper	sig	chr7_97021936
chr14	1.01E+08	100693068	+	1.544E-19	3.67177E-18	-0.30275	hypo	sig	chr14_100693068
chr17	79183702	79183702	+	1.545E-19	3.67463E-18	0.203035	hyper	sig	chr17_79183702
chr16	88134708	88134708	+	1.55E-19	3.68632E-18	-0.24292	hypo	sig	chr16_88134708
chr7	1234530	1234530	+	1.55E-19	3.68695E-18	0.252009	hyper	sig	chr7_1234530
chr12	7872978	7872978	+	1.551E-19	3.68827E-18	0.248142	hyper	sig	chr12_7872978
chr13	1.12E+08	112057691	+	1.552E-19	3.6896E-18	0.212172	hyper	sig	chr13_112057691
chr1	1055000	1055000	+	1.553E-19	3.6917E-18	-0.21569	hypo	sig	chr1_1055000
chr17	81685333	81685333	+	1.553E-19	3.6932E-18	-0.2272	hypo	sig	chr17_81685333
chr16	1436117	1436117	+	1.557E-19	3.70282E-18	-0.25658	hypo	sig	chr16_1436117
chr6	1.08E+08	108171496	+	1.558E-19	3.70364E-18	0.252664	hyper	sig	chr6_108171496
chr9	34838536	34838536	+	1.563E-19	3.71588E-18	-0.21718	hypo	sig	chr9_34838536
chr13	52847544	52847544	+	1.565E-19	3.71948E-18	0.286628	hyper	sig	chr13_52847544
chr5	1.17E+08	116576651	+	1.569E-19	3.72855E-18	0.235253	hyper	sig	chr5_116576651
chr6	28817018	28817018	+	1.569E-19	3.72855E-18	0.323705	hyper	sig	chr6_28817018
chr13	95006555	95006555	+	1.569E-19	3.73063E-18	-0.30235	hypo	sig	chr13_95006555
chr5	71719145	71719145	+	1.572E-19	3.73538E-18	0.320254	hyper	sig	chr5_71719145
chr4	8646468	8646468	+	1.573E-19	3.73783E-18	-0.22197	hypo	sig	chr4_8646468
chr2	20107025	20107025	+	1.575E-19	3.74344E-18	0.271714	hyper	sig	chr2_20107025
chr1	1.81E+08	181318669	+	1.579E-19	3.75169E-18	0.249963	hyper	sig	chr1_181318669
chr7	50450645	50450645	+	1.579E-19	3.75182E-18	0.207772	hyper	sig	chr7_50450645
chr2	73291963	73291963	+	1.582E-19	3.75806E-18	0.214237	hyper	sig	chr2_73291963
chr3	1.41E+08	141050768	+	1.584E-19	3.76332E-18	0.22742	hyper	sig	chr3_141050768
chr16	86496370	86496370	+	1.585E-19	3.76485E-18	0.217195	hyper	sig	chr16_86496370
chr14	28778198	28778198	+	1.587E-19	3.76959E-18	0.208595	hyper	sig	chr14_28778198
chr5	1.59E+08	159097398	+	1.59E-19	3.77828E-18	0.261727	hyper	sig	chr5_159097398
chr19	12195362	12195362	+	1.592E-19	3.78075E-18	0.229889	hyper	sig	chr19_12195362
chr8	41310168	41310168	+	1.592E-19	3.78145E-18	0.248134	hyper	sig	chr8_41310168
chr19	48297410	48297410	+	1.598E-19	3.79616E-18	-0.24832	hypo	sig	chr19_48297410
chr3	1.13E+08	113441587	+	1.599E-19	3.79808E-18	0.207071	hyper	sig	chr3_113441587
chr2	74516434	74516434	+	1.6E-19	3.79944E-18	0.301503	hyper	sig	chr2_74516434
chr17	57596460	57596460	+	1.603E-19	3.80738E-18	-0.26362	hypo	sig	chr17_57596460
chr2	1.39E+08	138779958	+	1.607E-19	3.81721E-18	0.366578	hyper	sig	chr2_138779958
chr20	63068964	63068964	+	1.613E-19	3.83132E-18	-0.25226	hypo	sig	chr20_63068964

chr19	57888785	57888785	+	1.619E-19	3.84591E-18	0.217244	hyper	sig	chr19_57888785
chr2	2.42E+08	241863710	+	1.621E-19	3.84839E-18	0.202177	hyper	sig	chr2_241863710
chr7	6871571	6871571	+	1.621E-19	3.84839E-18	-0.22111	hypo	sig	chr7_6871571
chr1	1.1E+08	109978948	+	1.622E-19	3.85211E-18	-0.2137	hypo	sig	chr1_109978948
chr22	46076613	46076613	+	1.625E-19	3.8573E-18	-0.25635	hypo	sig	chr22_46076613
chr11	8169164	8169164	+	1.627E-19	3.86304E-18	0.229351	hyper	sig	chr11_8169164
chr10	7411979	7411979	+	1.63E-19	3.86998E-18	0.313657	hyper	sig	chr10_7411979
chr2	2.19E+08	219332942	+	1.631E-19	3.87211E-18	0.25017	hyper	sig	chr2_219332942
chr2	16226989	16226989	+	1.633E-19	3.87758E-18	-0.28345	hypo	sig	chr2_16226989
chr10	67612897	67612897	+	1.634E-19	3.87894E-18	-0.26677	hypo	sig	chr10_67612897
chr1	2910905	2910905	+	1.642E-19	3.89688E-18	-0.26567	hypo	sig	chr1_2910905
chr2	1.76E+08	176152879	+	1.642E-19	3.89834E-18	-0.23719	hypo	sig	chr2_176152879
chr1	20399505	20399505	+	1.645E-19	3.90392E-18	-0.25328	hypo	sig	chr1_20399505
chr17	74671537	74671537	+	1.646E-19	3.90698E-18	0.270964	hyper	sig	chr17_74671537
chr15	23686593	23686593	+	1.648E-19	3.91122E-18	0.269267	hyper	sig	chr15_23686593
chr2	1.31E+08	130918605	+	1.648E-19	3.91175E-18	-0.24884	hypo	sig	chr2_130918605
chr19	11143265	11143265	+	1.651E-19	3.91826E-18	-0.25482	hypo	sig	chr19_11143265
chr1	1210288	1210288	+	1.657E-19	3.93073E-18	-0.20017	hypo	sig	chr1_1210288
chr11	7251636	7251636	+	1.659E-19	3.93569E-18	0.225507	hyper	sig	chr11_7251636
chr8	26040907	26040907	+	1.659E-19	3.93671E-18	0.211081	hyper	sig	chr8_26040907
chr5	1.81E+08	181100425	+	1.666E-19	3.95172E-18	0.205977	hyper	sig	chr5_181100425
chr2	1.29E+08	128900153	+	1.666E-19	3.95281E-18	-0.23161	hypo	sig	chr2_128900153
chr11	1048572	1048572	+	1.667E-19	3.95311E-18	-0.20865	hypo	sig	chr11_1048572
chr7	1.58E+08	157521650	+	1.667E-19	3.95441E-18	-0.21252	hypo	sig	chr7_157521650
chr1	3673430	3673430	+	1.668E-19	3.95532E-18	-0.23968	hypo	sig	chr1_3673430
chr8	54467625	54467625	+	1.669E-19	3.95904E-18	0.256727	hyper	sig	chr8_54467625
chr18	50298719	50298719	+	1.676E-19	3.97601E-18	0.205558	hyper	sig	chr18_50298719
chr5	59893861	59893861	+	1.678E-19	3.98058E-18	0.215842	hyper	sig	chr5_59893861
chr19	43820787	43820787	+	1.68E-19	3.98452E-18	0.206582	hyper	sig	chr19_43820787
chr22	29480577	29480577	+	1.681E-19	3.98703E-18	0.283099	hyper	sig	chr22_29480577
chr19	19861050	19861050	+	1.682E-19	3.98819E-18	0.207572	hyper	sig	chr19_19861050
chr1	6073368	6073368	+	1.684E-19	3.99192E-18	-0.25919	hypo	sig	chr1_6073368
chr6	27268112	27268112	+	1.684E-19	3.99326E-18	0.223053	hyper	sig	chr6_27268112
chr2	2.42E+08	241985699	+	1.684E-19	3.99335E-18	-0.27732	hypo	sig	chr2_241985699
chr19	51949191	51949191	+	1.685E-19	3.99386E-18	0.216384	hyper	sig	chr19_51949191
chr21	42596057	42596057	+	1.69E-19	4.0061E-18	-0.32188	hypo	sig	chr21_42596057
chr10	55628713	55628713	+	1.691E-19	4.0079E-18	0.205848	hyper	sig	chr10_55628713
chr14	94774190	94774190	+	1.693E-19	4.01433E-18	0.226976	hyper	sig	chr14_94774190
chr16	1096588	1096588	+	1.699E-19	4.02708E-18	-0.23593	hypo	sig	chr16_1096588
chr12	53938377	53938377	+	1.699E-19	4.02801E-18	0.302945	hyper	sig	chr12_53938377
chr2	2.32E+08	232486338	+	1.7E-19	4.02916E-18	0.202913	hyper	sig	chr2_232486338
chr5	1.73E+08	173244801	+	1.701E-19	4.03234E-18	0.300067	hyper	sig	chr5_173244801
chr3	1.88E+08	187702154	+	1.704E-19	4.03757E-18	-0.23206	hypo	sig	chr3_187702154
chr8	26382396	26382396	+	1.704E-19	4.03757E-18	-0.33341	hypo	sig	chr8_26382396
chr3	33218397	33218397	+	1.707E-19	4.04498E-18	0.249265	hyper	sig	chr3_33218397
chr18	78977325	78977325	+	1.71E-19	4.0527E-18	0.245394	hyper	sig	chr18_78977325
chr17	10197906	10197906	+	1.711E-19	4.05386E-18	0.250876	hyper	sig	chr17_10197906
chr10	1.01E+08	101134196	+	1.712E-19	4.05711E-18	0.219508	hyper	sig	chr10_101134196
chr11	44860302	44860302	+	1.718E-19	4.06942E-18	-0.25807	hypo	sig	chr11_44860302
chr10	1.05E+08	104639749	+	1.718E-19	4.07149E-18	0.256445	hyper	sig	chr10_104639749
chr7	161685	161685	+	1.721E-19	4.07747E-18	0.224175	hyper	sig	chr7_161685
chr11	1927770	1927770	+	1.722E-19	4.07919E-18	-0.21455	hypo	sig	chr11_1927770
chr4	1404341	1404341	+	1.722E-19	4.07919E-18	0.239531	hyper	sig	chr4_1404341
chr16	89396363	89396363	+	1.722E-19	4.08022E-18	0.306416	hyper	sig	chr16_89396363
chr10	15719534	15719534	+	1.723E-19	4.08127E-18	0.274107	hyper	sig	chr10_15719534
chr5	63962058	63962058	+	1.724E-19	4.08259E-18	0.254127	hyper	sig	chr5_63962058

chr3	1.14E+08	114103670	+	1.727E-19	4.08942E-18	-0.25777	hypo	sig	chr3_114103670
chr5	33936590	33936590	+	1.727E-19	4.09115E-18	0.232164	hyper	sig	chr5_33936590
chr7	93046844	93046844	+	1.733E-19	4.10437E-18	-0.20698	hypo	sig	chr7_93046844
chr11	64971832	64971832	+	1.734E-19	4.1058E-18	0.215958	hyper	sig	chr11_64971832
chr12	1.32E+08	132334166	+	1.736E-19	4.11078E-18	-0.23488	hypo	sig	chr12_132334166
chr20	63044227	63044227	+	1.738E-19	4.11524E-18	-0.21742	hypo	sig	chr20_63044227
chr2	1654480	1654480	+	1.738E-19	4.1153E-18	-0.29265	hypo	sig	chr2_1654480
chr6	1.05E+08	104953076	+	1.745E-19	4.13125E-18	0.243494	hyper	sig	chr6_104953076
chr5	2754630	2754630	+	1.746E-19	4.1338E-18	0.236355	hyper	sig	chr5_2754630
chr5	31855146	31855146	+	1.746E-19	4.13432E-18	0.202858	hyper	sig	chr5_31855146
chr6	1.06E+08	105981254	+	1.747E-19	4.13518E-18	0.277503	hyper	sig	chr6_105981254
chr17	49973017	49973017	+	1.747E-19	4.13646E-18	0.256114	hyper	sig	chr17_49973017
chr19	57317731	57317731	+	1.747E-19	4.13676E-18	0.29621	hyper	sig	chr19_57317731
chr11	1.33E+08	132943668	+	1.748E-19	4.13794E-18	0.222102	hyper	sig	chr11_132943668
chr17	1006056	1006056	+	1.757E-19	4.15792E-18	-0.2908	hypo	sig	chr17_1006056
chr1	2.03E+08	203176236	+	1.759E-19	4.16243E-18	-0.20242	hypo	sig	chr1_203176236
chr7	1.42E+08	141696099	+	1.759E-19	4.16392E-18	-0.24969	hypo	sig	chr7_141696099
chr16	77789399	77789399	+	1.76E-19	4.16592E-18	0.237993	hyper	sig	chr16_77789399
chr1	36948337	36948337	+	1.761E-19	4.16878E-18	-0.23667	hypo	sig	chr1_36948337
chr4	1.54E+08	153790411	+	1.762E-19	4.17076E-18	0.218809	hyper	sig	chr4_153790411
chr4	65668559	65668559	+	1.764E-19	4.17338E-18	0.22158	hyper	sig	chr4_65668559
chr22	41667089	41667089	+	1.765E-19	4.17558E-18	-0.22669	hypo	sig	chr22_41667089
chr14	94774192	94774192	+	1.765E-19	4.17571E-18	0.224381	hyper	sig	chr14_94774192
chr12	1.32E+08	132320384	+	1.767E-19	4.18147E-18	-0.31175	hypo	sig	chr12_132320384
chr13	22897690	22897690	+	1.769E-19	4.18593E-18	-0.29424	hypo	sig	chr13_22897690
chr6	39322948	39322948	+	1.77E-19	4.18703E-18	-0.2441	hypo	sig	chr6_39322948
chr13	1.08E+08	107882796	+	1.771E-19	4.19085E-18	-0.26936	hypo	sig	chr13_107882796
chr6	33069194	33069194	+	1.774E-19	4.19654E-18	-0.23384	hypo	sig	chr6_33069194
chr6	1.66E+08	165819275	+	1.774E-19	4.19677E-18	0.292472	hyper	sig	chr6_165819275
chr16	3196099	3196099	+	1.777E-19	4.20477E-18	-0.23564	hypo	sig	chr16_3196099
chr3	1.97E+08	196661653	+	1.778E-19	4.20501E-18	-0.2748	hypo	sig	chr3_196661653
chr16	86495365	86495365	+	1.779E-19	4.20725E-18	0.215914	hyper	sig	chr16_86495365
chr11	60951245	60951245	+	1.781E-19	4.2117E-18	0.252393	hyper	sig	chr11_60951245
chr16	8958930	8958930	+	1.783E-19	4.21803E-18	-0.26244	hypo	sig	chr16_8958930
chr10	1.01E+08	100659536	+	1.786E-19	4.22351E-18	0.251331	hyper	sig	chr10_100659536
chr6	1.01E+08	101399214	+	1.786E-19	4.22361E-18	0.274691	hyper	sig	chr6_101399214
chr12	85279465	85279465	+	1.792E-19	4.23698E-18	0.257135	hyper	sig	chr12_85279465
chr10	23172413	23172413	+	1.796E-19	4.24684E-18	0.369972	hyper	sig	chr10_23172413
chr16	1194502	1194502	+	1.8E-19	4.25532E-18	-0.22515	hypo	sig	chr16_1194502
chr20	62711907	62711907	+	1.801E-19	4.25731E-18	-0.22236	hypo	sig	chr20_62711907
chr7	1.01E+08	101299837	+	1.802E-19	4.26105E-18	0.299669	hyper	sig	chr7_101299837
chr2	1.19E+08	118858389	+	1.803E-19	4.26181E-18	0.233095	hyper	sig	chr2_118858389
chr20	17227958	17227958	+	1.805E-19	4.26845E-18	0.252102	hyper	sig	chr20_17227958
chr7	1.54E+08	153749178	+	1.807E-19	4.27289E-18	0.269387	hyper	sig	chr7_153749178
chr13	57630090	57630090	+	1.812E-19	4.28305E-18	0.316051	hyper	sig	chr13_57630090
chr5	73444948	73444948	+	1.813E-19	4.28486E-18	0.267889	hyper	sig	chr5_73444948
chr7	38976353	38976353	+	1.814E-19	4.28754E-18	0.255419	hyper	sig	chr7_38976353
chr11	64739748	64739748	+	1.814E-19	4.2879E-18	-0.22761	hypo	sig	chr11_64739748
chr5	3599490	3599490	+	1.819E-19	4.29816E-18	0.31916	hyper	sig	chr5_3599490
chr8	70072723	70072723	+	1.823E-19	4.30778E-18	0.23578	hyper	sig	chr8_70072723
chr4	1.44E+08	143912350	+	1.824E-19	4.31142E-18	0.271965	hyper	sig	chr4_143912350
chr6	1E+08	100467345	+	1.825E-19	4.31229E-18	0.226505	hyper	sig	chr6_100467345
chr8	52939722	52939722	+	1.827E-19	4.31847E-18	0.312071	hyper	sig	chr8_52939722
chr14	23419241	23419241	+	1.828E-19	4.3202E-18	-0.20209	hypo	sig	chr14_23419241
chr16	51150889	51150889	+	1.83E-19	4.32318E-18	0.267384	hyper	sig	chr16_51150889
chr13	91399461	91399461	+	1.832E-19	4.32988E-18	0.224758	hyper	sig	chr13_91399461

chr4	1.84E+08	184268164	+	1.835E-19	4.33654E-18	-0.30963	hypo	sig	chr4_184268164
chr1	16859080	16859080	+	1.836E-19	4.3374E-18	-0.22958	hypo	sig	chr1_16859080
chr19	56507278	56507278	+	1.838E-19	4.34268E-18	0.311876	hyper	sig	chr19_56507278
chr14	1.05E+08	104571386	+	1.84E-19	4.34648E-18	-0.23178	hypo	sig	chr14_104571386
chr15	43209734	43209734	+	1.841E-19	4.35003E-18	-0.22373	hypo	sig	chr15_43209734
chr8	26010560	26010560	+	1.844E-19	4.35663E-18	0.258343	hyper	sig	chr8_26010560
chr1	2.29E+08	229407378	+	1.846E-19	4.36119E-18	0.296118	hyper	sig	chr1_229407378
chr8	76683120	76683120	+	1.847E-19	4.36383E-18	0.23891	hyper	sig	chr8_76683120
chr7	1.59E+08	158993040	+	1.848E-19	4.36568E-18	0.265757	hyper	sig	chr7_158993040
chr2	85411391	85411391	+	1.854E-19	4.37936E-18	-0.21311	hypo	sig	chr2_85411391
chr15	25717583	25717583	+	1.855E-19	4.38103E-18	-0.23203	hypo	sig	chr15_25717583
chr19	51719261	51719261	+	1.855E-19	4.38196E-18	0.30366	hyper	sig	chr19_51719261
chr19	55087687	55087687	+	1.856E-19	4.38483E-18	0.25154	hyper	sig	chr19_55087687
chr7	1.59E+08	159158638	+	1.857E-19	4.38487E-18	-0.20144	hypo	sig	chr7_159158638
chr6	27545307	27545307	+	1.859E-19	4.39163E-18	0.238	hyper	sig	chr6_27545307
chr5	1.73E+08	173234078	+	1.866E-19	4.40586E-18	0.261495	hyper	sig	chr5_173234078
chr3	27728900	27728900	+	1.866E-19	4.40588E-18	0.219842	hyper	sig	chr3_27728900
chr7	1.57E+08	157425913	+	1.868E-19	4.41213E-18	-0.2502	hypo	sig	chr7_157425913
chr9	92807307	92807307	+	1.868E-19	4.41235E-18	0.228968	hyper	sig	chr9_92807307
chr4	54232206	54232206	+	1.876E-19	4.4307E-18	0.21715	hyper	sig	chr4_54232206
chr14	90501099	90501099	+	1.881E-19	4.44104E-18	-0.26815	hypo	sig	chr14_90501099
chr7	1.44E+08	143885438	+	1.882E-19	4.44386E-18	0.280742	hyper	sig	chr7_143885438
chr16	2513457	2513457	+	1.884E-19	4.44762E-18	0.23564	hyper	sig	chr16_2513457
chr19	51719229	51719229	+	1.885E-19	4.44981E-18	0.246237	hyper	sig	chr19_51719229
chr17	78645034	78645034	+	1.887E-19	4.4553E-18	-0.2487	hypo	sig	chr17_78645034
chr3	1.47E+08	147394689	+	1.888E-19	4.45828E-18	0.201677	hyper	sig	chr3_147394689
chr1	75128084	75128084	+	1.891E-19	4.46291E-18	0.2152	hyper	sig	chr1_75128084
chr5	1.41E+08	141418477	+	1.893E-19	4.4678E-18	0.215564	hyper	sig	chr5_141418477
chr7	1.25E+08	124764160	+	1.894E-19	4.46991E-18	0.21462	hyper	sig	chr7_124764160
chr16	86504709	86504709	+	1.896E-19	4.47625E-18	0.204412	hyper	sig	chr16_86504709
chr8	12380428	12380428	+	1.905E-19	4.49668E-18	-0.26795	hypo	sig	chr8_12380428
chr20	56004745	56004745	+	1.906E-19	4.49779E-18	0.2276	hyper	sig	chr20_56004745
chr1	1.97E+08	196818720	+	1.907E-19	4.50127E-18	-0.27737	hypo	sig	chr1_196818720
chr2	72136652	72136652	+	1.911E-19	4.5103E-18	-0.23142	hypo	sig	chr2_72136652
chr5	1.8E+08	179530526	+	1.916E-19	4.52022E-18	0.228805	hyper	sig	chr5_179530526
chr7	37448686	37448686	+	1.916E-19	4.52128E-18	0.211006	hyper	sig	chr7_37448686
chr15	30922298	30922298	+	1.918E-19	4.52503E-18	-0.23089	hypo	sig	chr15_30922298
chr10	55631286	55631286	+	1.918E-19	4.52509E-18	0.28012	hyper	sig	chr10_55631286
chr8	10729523	10729523	+	1.919E-19	4.52777E-18	0.204034	hyper	sig	chr8_10729523
chr19	55087631	55087631	+	1.921E-19	4.53275E-18	0.251356	hyper	sig	chr19_55087631
chr18	33441029	33441029	+	1.924E-19	4.53878E-18	0.282674	hyper	sig	chr18_33441029
chr5	1.73E+08	173234012	+	1.924E-19	4.53937E-18	0.245686	hyper	sig	chr5_173234012
chr6	27213891	27213891	+	1.928E-19	4.54724E-18	0.206363	hyper	sig	chr6_27213891
chr16	55330956	55330956	+	1.931E-19	4.55529E-18	0.262077	hyper	sig	chr16_55330956
chr19	36838777	36838777	+	1.931E-19	4.55613E-18	0.24048	hyper	sig	chr19_36838777
chr5	1.42E+08	141513596	+	1.934E-19	4.56175E-18	0.364103	hyper	sig	chr5_141513596
chr5	1662673	1662673	+	1.935E-19	4.563E-18	-0.27063	hypo	sig	chr5_1662673
chr1	2.17E+08	217137230	+	1.937E-19	4.56839E-18	0.228764	hyper	sig	chr1_217137230
chr5	1.59E+08	159104881	+	1.938E-19	4.57149E-18	0.290205	hyper	sig	chr5_159104881
chr7	43113929	43113929	+	1.938E-19	4.57154E-18	0.209675	hyper	sig	chr7_43113929
chr4	1404332	1404332	+	1.94E-19	4.57614E-18	0.236693	hyper	sig	chr4_1404332
chr19	524366	524366	+	1.95E-19	4.59791E-18	-0.2579	hypo	sig	chr19_524366
chr5	32713400	32713400	+	1.952E-19	4.60209E-18	0.29516	hyper	sig	chr5_32713400
chr1	6129095	6129095	+	1.955E-19	4.60936E-18	-0.20684	hypo	sig	chr1_6129095
chr7	35186645	35186645	+	1.955E-19	4.60947E-18	0.217814	hyper	sig	chr7_35186645
chr6	28259301	28259301	+	1.955E-19	4.60966E-18	0.222888	hyper	sig	chr6_28259301

chr22	22520216	22520216	+	1.958E-19	4.61531E-18	-0.24428	hypo	sig	chr22_22520216
chr3	1.13E+08	113441563	+	1.959E-19	4.61766E-18	0.227488	hyper	sig	chr3_113441563
chr7	1.57E+08	157392585	+	1.962E-19	4.62489E-18	-0.22627	hypo	sig	chr7_157392585
chr5	38462625	38462625	+	1.962E-19	4.62495E-18	-0.26484	hypo	sig	chr5_38462625
chr12	49904153	49904153	+	1.962E-19	4.6256E-18	0.212845	hyper	sig	chr12_49904153
chr6	10883657	10883657	+	1.964E-19	4.63015E-18	0.295988	hyper	sig	chr6_10883657
chr7	1.55E+08	155459223	+	1.972E-19	4.64842E-18	0.206115	hyper	sig	chr7_155459223
chr18	75085619	75085619	+	1.974E-19	4.6528E-18	-0.30589	hypo	sig	chr18_75085619
chr5	669618	669618	+	1.977E-19	4.65825E-18	-0.23116	hypo	sig	chr5_669618
chr3	62374098	62374098	+	1.977E-19	4.65986E-18	0.220131	hyper	sig	chr3_62374098
chr16	55328842	55328842	+	1.979E-19	4.66413E-18	0.282355	hyper	sig	chr16_55328842
chr6	1E+08	100449510	+	1.98E-19	4.66589E-18	0.253777	hyper	sig	chr6_100449510
chr19	12195076	12195076	+	1.984E-19	4.674E-18	0.295166	hyper	sig	chr19_12195076
chr18	33440988	33440988	+	1.986E-19	4.67844E-18	0.3401	hyper	sig	chr18_33440988
chr11	1113827	1113827	+	1.988E-19	4.68302E-18	-0.28318	hypo	sig	chr11_1113827
chr5	2643183	2643183	+	1.988E-19	4.68322E-18	0.223596	hyper	sig	chr5_2643183
chr12	53973046	53973046	+	1.991E-19	4.69135E-18	0.293188	hyper	sig	chr12_53973046
chr6	1.66E+08	165988629	+	1.994E-19	4.69662E-18	0.22906	hyper	sig	chr6_165988629
chr2	2.28E+08	228180291	+	1.999E-19	4.70997E-18	0.267092	hyper	sig	chr2_228180291
chr12	1.14E+08	114444092	+	2E-19	4.71186E-18	0.227511	hyper	sig	chr12_114444092
chr5	1.23E+08	123094741	+	2.005E-19	4.72313E-18	0.300014	hyper	sig	chr5_123094741
chr11	70826940	70826940	+	2.008E-19	4.72998E-18	0.223293	hyper	sig	chr11_70826940
chr10	1.3E+08	129854930	+	2.009E-19	4.73167E-18	-0.21419	hypo	sig	chr10_129854930
chr16	62034828	62034828	+	2.016E-19	4.74905E-18	0.311844	hyper	sig	chr16_62034828
chr13	1.01E+08	101416945	+	2.019E-19	4.75519E-18	0.213775	hyper	sig	chr13_101416945
chr14	60507333	60507333	+	2.021E-19	4.75959E-18	0.321874	hyper	sig	chr14_60507333
chr2	1.37E+08	136764891	+	2.024E-19	4.76641E-18	0.254007	hyper	sig	chr2_136764891
chr1	1.19E+08	118985846	+	2.024E-19	4.76678E-18	0.224509	hyper	sig	chr1_118985846
chr12	54053993	54053993	+	2.024E-19	4.76729E-18	0.224593	hyper	sig	chr12_54053993
chr8	1163751	1163751	+	2.026E-19	4.77035E-18	0.261049	hyper	sig	chr8_1163751
chr5	73444953	73444953	+	2.026E-19	4.77109E-18	0.267577	hyper	sig	chr5_73444953
chr19	13014234	13014234	+	2.029E-19	4.77735E-18	0.289128	hyper	sig	chr19_13014234
chr18	37567583	37567583	+	2.031E-19	4.78201E-18	0.2643	hyper	sig	chr18_37567583
chr15	93421813	93421813	+	2.031E-19	4.78244E-18	-0.25421	hypo	sig	chr15_93421813
chr13	78607838	78607838	+	2.031E-19	4.78259E-18	0.250622	hyper	sig	chr13_78607838
chr10	23693783	23693783	+	2.031E-19	4.78277E-18	0.23794	hyper	sig	chr10_23693783
chr5	539355	539355	+	2.034E-19	4.78886E-18	-0.21919	hypo	sig	chr5_539355
chr19	57583765	57583765	+	2.034E-19	4.78904E-18	0.271476	hyper	sig	chr19_57583765
chr19	1526585	1526585	+	2.048E-19	4.8221E-18	-0.23271	hypo	sig	chr19_1526585
chr6	30171947	30171947	+	2.049E-19	4.82333E-18	0.26172	hyper	sig	chr6_30171947
chr19	40224518	40224518	+	2.051E-19	4.82669E-18	-0.28701	hypo	sig	chr19_40224518
chr6	1.26E+08	125534279	+	2.051E-19	4.8286E-18	0.203146	hyper	sig	chr6_125534279
chr1	2.35E+08	234970004	+	2.053E-19	4.83268E-18	0.230573	hyper	sig	chr1_234970004
chr11	18791118	18791118	+	2.057E-19	4.8414E-18	0.306964	hyper	sig	chr11_18791118
chr8	26048295	26048295	+	2.058E-19	4.84432E-18	0.223082	hyper	sig	chr8_26048295
chr14	1.04E+08	104180115	+	2.059E-19	4.84614E-18	-0.20427	hypo	sig	chr14_104180115
chr4	1.47E+08	147480976	+	2.061E-19	4.84983E-18	0.282674	hyper	sig	chr4_147480976
chr5	1.41E+08	140848946	+	2.065E-19	4.85984E-18	0.286196	hyper	sig	chr5_140848946
chr2	63057422	63057422	+	2.067E-19	4.86297E-18	0.217559	hyper	sig	chr2_63057422
chr13	26051115	26051115	+	2.068E-19	4.8657E-18	0.25407	hyper	sig	chr13_26051115
chr16	1437566	1437566	+	2.07E-19	4.86949E-18	-0.22485	hypo	sig	chr16_1437566
chr9	19788566	19788566	+	2.07E-19	4.87095E-18	0.28653	hyper	sig	chr9_19788566
chr15	83107256	83107256	+	2.072E-19	4.87358E-18	0.234981	hyper	sig	chr15_83107256
chr14	36517158	36517158	+	2.073E-19	4.87783E-18	0.215486	hyper	sig	chr14_36517158
chr18	75205215	75205215	+	2.074E-19	4.8785E-18	0.210275	hyper	sig	chr18_75205215
chr11	66421274	66421274	+	2.075E-19	4.88094E-18	0.234617	hyper	sig	chr11_66421274

chr21	37567068	37567068	+	2.075E-19	4.88173E-18	-0.25698	hypo	sig	chr21_37567068
chr10	1.33E+08	133082941	+	2.079E-19	4.88931E-18	-0.20447	hypo	sig	chr10_133082941
chr2	2.41E+08	240672636	+	2.081E-19	4.89469E-18	0.201331	hyper	sig	chr2_240672636
chr10	23195130	23195130	+	2.082E-19	4.89538E-18	0.260928	hyper	sig	chr10_23195130
chr6	84768869	84768869	+	2.086E-19	4.90478E-18	0.206685	hyper	sig	chr6_84768869
chr5	1.41E+08	141235937	+	2.086E-19	4.90593E-18	0.229757	hyper	sig	chr5_141235937
chr9	1.37E+08	136986049	+	2.087E-19	4.90712E-18	0.277151	hyper	sig	chr9_136986049
chr2	1.32E+08	131647027	+	2.098E-19	4.93388E-18	0.273909	hyper	sig	chr2_131647027
chr8	74985062	74985062	+	2.099E-19	4.93402E-18	0.227943	hyper	sig	chr8_74985062
chr4	215893	215893	+	2.099E-19	4.93502E-18	-0.33262	hypo	sig	chr4_215893
chr2	1.92E+08	192195629	+	2.099E-19	4.93552E-18	0.291483	hyper	sig	chr2_192195629
chr17	80413976	80413976	+	2.1E-19	4.9367E-18	-0.2108	hypo	sig	chr17_80413976
chr5	32712788	32712788	+	2.101E-19	4.93854E-18	0.283426	hyper	sig	chr5_32712788
chr3	1.35E+08	134650641	+	2.101E-19	4.93873E-18	0.217046	hyper	sig	chr3_134650641
chr19	856102	856102	+	2.102E-19	4.94089E-18	-0.25464	hypo	sig	chr19_856102
chr12	40693056	40693056	+	2.109E-19	4.95807E-18	0.307615	hyper	sig	chr12_40693056
chr7	1.3E+08	130491077	+	2.111E-19	4.96085E-18	0.235746	hyper	sig	chr7_130491077
chr11	1.2E+08	120168602	+	2.115E-19	4.96977E-18	-0.26197	hypo	sig	chr11_120168602
chr13	52487699	52487699	+	2.115E-19	4.97158E-18	-0.26061	hypo	sig	chr13_52487699
chr3	1.47E+08	147394334	+	2.119E-19	4.97973E-18	0.212374	hyper	sig	chr3_147394334
chr2	2.4E+08	240405325	+	2.119E-19	4.98066E-18	-0.21129	hypo	sig	chr2_240405325
chr2	1.19E+08	118842029	+	2.122E-19	4.98568E-18	0.218092	hyper	sig	chr2_118842029
chr10	3782363	3782363	+	2.125E-19	4.99275E-18	-0.20403	hypo	sig	chr10_3782363
chr4	1.66E+08	165874108	+	2.126E-19	4.99668E-18	0.239241	hyper	sig	chr4_165874108
chr13	24746665	24746665	+	2.127E-19	4.9984E-18	0.294669	hyper	sig	chr13_24746665
chr14	56809355	56809355	+	2.13E-19	5.00527E-18	0.320411	hyper	sig	chr14_56809355
chr3	1.41E+08	141052256	+	2.132E-19	5.00902E-18	0.2567	hyper	sig	chr3_141052256
chr19	50627060	50627060	+	2.136E-19	5.01898E-18	-0.22732	hypo	sig	chr19_50627060
chr16	88919301	88919301	+	2.141E-19	5.02974E-18	-0.20413	hypo	sig	chr16_88919301
chr7	26143961	26143961	+	2.143E-19	5.034E-18	-0.28542	hypo	sig	chr7_26143961
chr7	1.55E+08	155070707	+	2.144E-19	5.03695E-18	0.238241	hyper	sig	chr7_155070707
chr10	1.34E+08	133560193	+	2.145E-19	5.0376E-18	-0.2405	hypo	sig	chr10_133560193
chr6	1.68E+08	167815888	+	2.146E-19	5.04162E-18	-0.22693	hypo	sig	chr6_167815888
chr10	81876618	81876618	+	2.148E-19	5.04566E-18	0.239159	hyper	sig	chr10_81876618
chr8	1.45E+08	144713191	+	2.151E-19	5.05262E-18	0.239949	hyper	sig	chr8_144713191
chr10	1.24E+08	124448375	+	2.151E-19	5.05306E-18	0.223104	hyper	sig	chr10_124448375
chr10	1.05E+08	104639169	+	2.152E-19	5.05358E-18	0.301112	hyper	sig	chr10_104639169
chr5	1.79E+08	178515469	+	2.161E-19	5.07372E-18	-0.21321	hypo	sig	chr5_178515469
chr11	1.24E+08	123577648	+	2.161E-19	5.07572E-18	-0.24317	hypo	sig	chr11_123577648
chr14	95817349	95817349	+	2.164E-19	5.08045E-18	-0.25607	hypo	sig	chr14_95817349
chr16	85947654	85947654	+	2.166E-19	5.08625E-18	-0.28072	hypo	sig	chr16_85947654
chr10	1212038	1212038	+	2.171E-19	5.09664E-18	-0.28935	hypo	sig	chr10_1212038
chr4	8251459	8251459	+	2.173E-19	5.10067E-18	-0.22183	hypo	sig	chr4_8251459
chr1	47434703	47434703	+	2.173E-19	5.10234E-18	0.273633	hyper	sig	chr1_47434703
chr13	83881478	83881478	+	2.175E-19	5.10596E-18	0.231587	hyper	sig	chr13_83881478
chr5	1.77E+08	176661496	+	2.176E-19	5.10726E-18	-0.20149	hypo	sig	chr5_176661496
chr10	1.2E+08	120457487	+	2.177E-19	5.11008E-18	0.286381	hyper	sig	chr10_120457487
chr17	80441225	80441225	+	2.179E-19	5.11445E-18	-0.20743	hypo	sig	chr17_80441225
chr10	97937277	97937277	+	2.18E-19	5.11616E-18	-0.29121	hypo	sig	chr10_97937277
chr15	25171661	25171661	+	2.186E-19	5.12975E-18	-0.21439	hypo	sig	chr15_25171661
chr4	55125178	55125178	+	2.187E-19	5.13339E-18	0.323776	hyper	sig	chr4_55125178
chr15	74133943	74133943	+	2.195E-19	5.15085E-18	0.222541	hyper	sig	chr15_74133943
chr19	48297194	48297194	+	2.195E-19	5.15085E-18	-0.24038	hypo	sig	chr19_48297194
chr14	28758705	28758705	+	2.206E-19	5.17625E-18	0.268949	hyper	sig	chr14_28758705
chr17	74851998	74851998	+	2.206E-19	5.17651E-18	-0.21119	hypo	sig	chr17_74851998
chr10	69571928	69571928	+	2.206E-19	5.17666E-18	0.247046	hyper	sig	chr10_69571928

chr15	93067554	93067554	+	2.211E-19	5.18849E-18	-0.26845	hypo	sig	chr15_93067554
chr6	1.7E+08	170098395	+	2.215E-19	5.19543E-18	-0.22422	hypo	sig	chr6_170098395
chr3	1.25E+08	125141990	+	2.215E-19	5.19601E-18	0.231304	hyper	sig	chr3_125141990
chr12	53936536	53936536	+	2.216E-19	5.19716E-18	0.258151	hyper	sig	chr12_53936536
chr11	2869504	2869504	+	2.218E-19	5.20244E-18	0.238739	hyper	sig	chr11_2869504
chr8	1.4E+08	140480013	+	2.222E-19	5.21063E-18	-0.2094	hypo	sig	chr8_140480013
chr19	21680940	21680940	+	2.225E-19	5.21761E-18	-0.26775	hypo	sig	chr19_21680940
chr3	1.26E+08	125756090	+	2.227E-19	5.2222E-18	-0.26424	hypo	sig	chr3_125756090
chr4	1.9E+08	190019380	+	2.227E-19	5.2222E-18	0.26885	hyper	sig	chr4_190019380
chr12	41189934	41189934	+	2.228E-19	5.22478E-18	0.249393	hyper	sig	chr12_41189934
chr16	31095542	31095542	+	2.231E-19	5.23138E-18	-0.30713	hypo	sig	chr16_31095542
chr19	50943697	50943697	+	2.235E-19	5.23991E-18	-0.29983	hypo	sig	chr19_50943697
chr6	28634968	28634968	+	2.236E-19	5.24342E-18	0.221299	hyper	sig	chr6_28634968
chr12	64390673	64390673	+	2.237E-19	5.24423E-18	0.229381	hyper	sig	chr12_64390673
chr8	1.43E+08	142510458	+	2.244E-19	5.26117E-18	0.220898	hyper	sig	chr8_142510458
chr2	1.75E+08	174730447	+	2.244E-19	5.26222E-18	0.26294	hyper	sig	chr2_174730447
chr3	1.27E+08	126540490	+	2.245E-19	5.26297E-18	-0.20929	hypo	sig	chr3_126540490
chr8	49911763	49911763	+	2.246E-19	5.26596E-18	0.227521	hyper	sig	chr8_49911763
chr9	1.29E+08	129257100	+	2.249E-19	5.27114E-18	-0.24686	hypo	sig	chr9_129257100
chr8	1.44E+08	144074340	+	2.251E-19	5.27639E-18	-0.24051	hypo	sig	chr8_144074340
chr2	98346599	98346599	+	2.252E-19	5.27844E-18	0.271205	hyper	sig	chr2_98346599
chr5	1.41E+08	140882567	+	2.253E-19	5.28012E-18	0.200809	hyper	sig	chr5_140882567
chr22	49923362	49923362	+	2.256E-19	5.28865E-18	-0.215	hypo	sig	chr22_49923362
chr10	7412101	7412101	+	2.257E-19	5.28892E-18	0.238685	hyper	sig	chr10_7412101
chr17	82321060	82321060	+	2.257E-19	5.28893E-18	-0.22356	hypo	sig	chr17_82321060
chr2	5696026	5696026	+	2.259E-19	5.29317E-18	0.25069	hyper	sig	chr2_5696026
chr3	38645304	38645304	+	2.259E-19	5.29353E-18	-0.25588	hypo	sig	chr3_38645304
chr6	1.7E+08	170058501	+	2.259E-19	5.29377E-18	-0.28431	hypo	sig	chr6_170058501
chr13	36432062	36432062	+	2.26E-19	5.29639E-18	0.274913	hyper	sig	chr13_36432062
chr12	62192443	62192443	+	2.261E-19	5.29844E-18	0.37281	hyper	sig	chr12_62192443
chr13	1.07E+08	106531287	+	2.266E-19	5.30916E-18	-0.25692	hypo	sig	chr13_106531287
chr19	48293740	48293740	+	2.274E-19	5.32699E-18	-0.27763	hypo	sig	chr19_48293740
chr3	1.47E+08	147397256	+	2.275E-19	5.32932E-18	0.211117	hyper	sig	chr3_147397256
chr16	1063967	1063967	+	2.276E-19	5.3313E-18	-0.27032	hypo	sig	chr16_1063967
chr16	3305062	3305062	+	2.281E-19	5.34445E-18	0.323404	hyper	sig	chr16_3305062
chr2	50347960	50347960	+	2.282E-19	5.34481E-18	0.227472	hyper	sig	chr2_50347960
chr7	1.5E+08	150389057	+	2.282E-19	5.34481E-18	0.228679	hyper	sig	chr7_150389057
chr5	1.29E+08	128965784	+	2.288E-19	5.35878E-18	0.271613	hyper	sig	chr5_128965784
chr7	5495816	5495816	+	2.296E-19	5.37858E-18	-0.20513	hypo	sig	chr7_5495816
chr8	84184556	84184556	+	2.303E-19	5.3943E-18	0.39928	hyper	sig	chr8_84184556
chr17	21452734	21452734	+	2.307E-19	5.40276E-18	0.226488	hyper	sig	chr17_21452734
chr5	1.23E+08	123094997	+	2.307E-19	5.40282E-18	0.242389	hyper	sig	chr5_123094997
chr6	30172310	30172310	+	2.307E-19	5.4039E-18	0.242724	hyper	sig	chr6_30172310
chr10	1.32E+08	132248147	+	2.31E-19	5.40893E-18	-0.20171	hypo	sig	chr10_132248147
chr22	37424151	37424151	+	2.31E-19	5.41033E-18	-0.28666	hypo	sig	chr22_37424151
chr22	29474286	29474286	+	2.31E-19	5.4104E-18	-0.29462	hypo	sig	chr22_29474286
chr3	72655231	72655231	+	2.311E-19	5.41167E-18	0.211517	hyper	sig	chr3_72655231
chr3	1.38E+08	137763084	+	2.311E-19	5.41279E-18	0.243411	hyper	sig	chr3_137763084
chr6	28825488	28825488	+	2.311E-19	5.41279E-18	0.22989	hyper	sig	chr6_28825488
chr11	1.2E+08	120168091	+	2.318E-19	5.42824E-18	-0.21132	hypo	sig	chr11_120168091
chr15	23416752	23416752	+	2.327E-19	5.44887E-18	-0.23982	hypo	sig	chr15_23416752
chr5	73298613	73298613	+	2.33E-19	5.45508E-18	0.285905	hyper	sig	chr5_73298613
chr1	22599025	22599025	+	2.331E-19	5.45687E-18	-0.20241	hypo	sig	chr1_22599025
chr6	1.63E+08	163191864	+	2.332E-19	5.45918E-18	-0.33624	hypo	sig	chr6_163191864
chr11	8085102	8085102	+	2.338E-19	5.47315E-18	-0.23859	hypo	sig	chr11_8085102
chr22	36991378	36991378	+	2.34E-19	5.47768E-18	-0.25745	hypo	sig	chr22_36991378

chr6	98825137	98825137	+	2.34E-19	5.47768E-18	0.285297	hyper	sig	chr6_98825137
chr6	1.49E+08	149485608	+	2.346E-19	5.48977E-18	-0.20486	hypo	sig	chr6_149485608
chr8	41308658	41308658	+	2.346E-19	5.49022E-18	0.277771	hyper	sig	chr8_41308658
chr6	28814179	28814179	+	2.349E-19	5.49644E-18	0.267164	hyper	sig	chr6_28814179
chr1	1.61E+08	161259218	+	2.351E-19	5.50107E-18	0.245308	hyper	sig	chr1_161259218
chr7	1505740	1505740	+	2.355E-19	5.51013E-18	-0.22874	hypo	sig	chr7_1505740
chr6	27260562	27260562	+	2.356E-19	5.51393E-18	0.219165	hyper	sig	chr6_27260562
chr6	37538434	37538434	+	2.36E-19	5.52171E-18	-0.29523	hypo	sig	chr6_37538434
chr4	44447605	44447605	+	2.36E-19	5.52266E-18	0.268384	hyper	sig	chr4_44447605
chr12	96490032	96490032	+	2.369E-19	5.54318E-18	0.292384	hyper	sig	chr12_96490032
chr2	68320037	68320037	+	2.372E-19	5.54807E-18	0.315819	hyper	sig	chr2_68320037
chr6	1.67E+08	167219385	+	2.373E-19	5.5506E-18	-0.26737	hypo	sig	chr6_167219385
chr20	61293323	61293323	+	2.375E-19	5.55608E-18	-0.23501	hypo	sig	chr20_61293323
chr20	46246758	46246758	+	2.379E-19	5.56351E-18	0.23731	hyper	sig	chr20_46246758
chr8	27921539	27921539	+	2.38E-19	5.56555E-18	-0.2985	hypo	sig	chr8_27921539
chr4	41748335	41748335	+	2.381E-19	5.56808E-18	0.217597	hyper	sig	chr4_41748335
chr17	948537	948537	+	2.388E-19	5.58388E-18	-0.23225	hypo	sig	chr17_948537
chr6	32220519	32220519	+	2.389E-19	5.58634E-18	-0.26905	hypo	sig	chr6_32220519
chr6	84768874	84768874	+	2.39E-19	5.59036E-18	0.208082	hyper	sig	chr6_84768874
chr3	1.54E+08	154428655	+	2.396E-19	5.60337E-18	0.248005	hyper	sig	chr3_154428655
chr4	3665988	3665988	+	2.399E-19	5.60957E-18	-0.21504	hypo	sig	chr4_3665988
chr2	66439567	66439567	+	2.4E-19	5.61129E-18	0.223703	hyper	sig	chr2_66439567
chr1	35577418	35577418	+	2.403E-19	5.61975E-18	0.230497	hyper	sig	chr1_35577418
chr10	49613448	49613448	+	2.409E-19	5.63261E-18	0.227837	hyper	sig	chr10_49613448
chr3	75655438	75655438	+	2.412E-19	5.63859E-18	0.226413	hyper	sig	chr3_75655438
chr11	2141176	2141176	+	2.414E-19	5.64302E-18	0.200792	hyper	sig	chr11_2141176
chr9	98709639	98709639	+	2.414E-19	5.64421E-18	0.204554	hyper	sig	chr9_98709639
chr5	2749676	2749676	+	2.417E-19	5.65007E-18	0.254595	hyper	sig	chr5_2749676
chr11	2144441	2144441	+	2.417E-19	5.65139E-18	0.218654	hyper	sig	chr11_2144441
chr7	1.01E+08	101299857	+	2.419E-19	5.65415E-18	0.308043	hyper	sig	chr7_101299857
chr15	40239751	40239751	+	2.419E-19	5.65583E-18	-0.20808	hypo	sig	chr15_40239751
chr5	1.78E+08	177984742	+	2.42E-19	5.65604E-18	0.221271	hyper	sig	chr5_177984742
chr2	2.42E+08	241891478	+	2.425E-19	5.66786E-18	-0.24103	hypo	sig	chr2_241891478
chr2	70889627	70889627	+	2.426E-19	5.67015E-18	0.21355	hyper	sig	chr2_70889627
chr8	64382078	64382078	+	2.426E-19	5.67015E-18	0.243191	hyper	sig	chr8_64382078
chr5	1.41E+08	141423083	+	2.433E-19	5.68587E-18	0.24056	hyper	sig	chr5_141423083
chr6	26743452	26743452	+	2.435E-19	5.68994E-18	0.236483	hyper	sig	chr6_26743452
chr7	1708879	1708879	+	2.436E-19	5.69278E-18	-0.22489	hypo	sig	chr7_1708879
chr10	23174105	23174105	+	2.448E-19	5.72052E-18	0.228136	hyper	sig	chr10_23174105
chr15	79065786	79065786	+	2.449E-19	5.7216E-18	-0.20709	hypo	sig	chr15_79065786
chr7	1.55E+08	155465564	+	2.45E-19	5.72579E-18	0.215837	hyper	sig	chr7_155465564
chr7	19117945	19117945	+	2.452E-19	5.72942E-18	0.284167	hyper	sig	chr7_19117945
chr13	35478488	35478488	+	2.459E-19	5.74601E-18	0.277134	hyper	sig	chr13_35478488
chr8	1.4E+08	140238474	+	2.46E-19	5.74827E-18	-0.21755	hypo	sig	chr8_140238474
chr5	2755762	2755762	+	2.46E-19	5.7486E-18	0.259079	hyper	sig	chr5_2755762
chr1	58250684	58250684	+	2.462E-19	5.75225E-18	0.21072	hyper	sig	chr1_58250684
chr7	1.29E+08	128511946	+	2.464E-19	5.75668E-18	-0.25057	hypo	sig	chr7_128511946
chr15	52783521	52783521	+	2.465E-19	5.75903E-18	0.205171	hyper	sig	chr15_52783521
chr5	2747755	2747755	+	2.466E-19	5.76075E-18	0.283051	hyper	sig	chr5_2747755
chr11	14905438	14905438	+	2.471E-19	5.77062E-18	0.275658	hyper	sig	chr11_14905438
chr17	77233681	77233681	+	2.473E-19	5.77721E-18	-0.21161	hypo	sig	chr17_77233681
chr22	49764387	49764387	+	2.478E-19	5.78768E-18	-0.21584	hypo	sig	chr22_49764387
chr5	1.73E+08	173234115	+	2.492E-19	5.81908E-18	0.253698	hyper	sig	chr5_173234115
chr4	4226481	4226481	+	2.492E-19	5.81941E-18	0.237449	hyper	sig	chr4_4226481
chr7	1.51E+08	151203456	+	2.492E-19	5.82042E-18	-0.2024	hypo	sig	chr7_151203456
chr11	1354077	1354077	+	2.498E-19	5.83283E-18	-0.24589	hypo	sig	chr11_1354077

chr13	26012265	26012265	+	2.498E-19	5.83346E-18	0.282741	hyper	sig	chr13_26012265
chr2	5696224	5696224	+	2.499E-19	5.83422E-18	0.317761	hyper	sig	chr2_5696224
chr18	79365698	79365698	+	2.504E-19	5.84564E-18	0.203992	hyper	sig	chr18_79365698
chr18	79430075	79430075	+	2.506E-19	5.84991E-18	-0.21201	hypo	sig	chr18_79430075
chr15	74129577	74129577	+	2.509E-19	5.85699E-18	0.256907	hyper	sig	chr15_74129577
chr1	2334919	2334919	+	2.509E-19	5.857E-18	-0.23358	hypo	sig	chr1_2334919
chr11	862687	862687	+	2.509E-19	5.857E-18	-0.23257	hypo	sig	chr11_862687
chr3	9552623	9552623	+	2.511E-19	5.86233E-18	0.248966	hyper	sig	chr3_9552623
chr5	1.71E+08	170639537	+	2.514E-19	5.86736E-18	-0.22009	hypo	sig	chr5_170639537
chr11	92225998	92225998	+	2.514E-19	5.86741E-18	0.268923	hyper	sig	chr11_92225998
chr2	68655117	68655117	+	2.523E-19	5.88837E-18	-0.20479	hypo	sig	chr2_68655117
chr19	37817456	37817456	+	2.527E-19	5.89608E-18	0.270482	hyper	sig	chr19_37817456
chr1	85279370	85279370	+	2.528E-19	5.8996E-18	-0.24964	hypo	sig	chr1_85279370
chr7	38311337	38311337	+	2.53E-19	5.90497E-18	0.294185	hyper	sig	chr7_38311337
chr1	92441841	92441841	+	2.534E-19	5.91281E-18	-0.28969	hypo	sig	chr1_92441841
chr8	2564456	2564456	+	2.535E-19	5.91522E-18	-0.29273	hypo	sig	chr8_2564456
chr1	22637082	22637082	+	2.557E-19	5.966E-18	-0.25348	hypo	sig	chr1_22637082
chr5	1.71E+08	170773250	+	2.557E-19	5.966E-18	-0.2361	hypo	sig	chr5_170773250
chr5	16180188	16180188	+	2.561E-19	5.97496E-18	0.247938	hyper	sig	chr5_16180188
chr1	2.21E+08	220877439	+	2.563E-19	5.97996E-18	0.264113	hyper	sig	chr1_220877439
chr5	1.79E+08	179060679	+	2.564E-19	5.98137E-18	0.247794	hyper	sig	chr5_179060679
chr7	97026254	97026254	+	2.564E-19	5.98153E-18	0.203837	hyper	sig	chr7_97026254
chr5	36693030	36693030	+	2.565E-19	5.98232E-18	0.233268	hyper	sig	chr5_36693030
chr1	1.19E+08	118990339	+	2.569E-19	5.99178E-18	0.273575	hyper	sig	chr1_118990339
chr10	1.05E+08	104639742	+	2.569E-19	5.99178E-18	0.299997	hyper	sig	chr10_104639742
chr16	622399	622399	+	2.574E-19	6.00395E-18	-0.23131	hypo	sig	chr16_622399
chr6	1.05E+08	104940382	+	2.579E-19	6.01369E-18	0.205955	hyper	sig	chr6_104940382
chr17	81453329	81453329	+	2.588E-19	6.03444E-18	-0.20589	hypo	sig	chr17_81453329
chr7	1.58E+08	158253666	+	2.589E-19	6.03666E-18	-0.21672	hypo	sig	chr7_158253666
chr14	97219176	97219176	+	2.591E-19	6.04174E-18	0.223047	hyper	sig	chr14_97219176
chr19	48966753	48966753	+	2.592E-19	6.04425E-18	-0.30482	hypo	sig	chr19_48966753
chr2	1.76E+08	176089805	+	2.592E-19	6.0445E-18	-0.20902	hypo	sig	chr2_176089805
chr4	13534859	13534859	+	2.593E-19	6.04499E-18	0.203133	hyper	sig	chr4_13534859
chr10	23174094	23174094	+	2.594E-19	6.04707E-18	0.239103	hyper	sig	chr10_23174094
chr19	4304337	4304337	+	2.596E-19	6.05173E-18	-0.23286	hypo	sig	chr19_4304337
chr7	4725292	4725292	+	2.599E-19	6.05941E-18	0.207177	hyper	sig	chr7_4725292
chr11	32428558	32428558	+	2.601E-19	6.06418E-18	0.245118	hyper	sig	chr11_32428558
chr6	1.69E+08	169188773	+	2.601E-19	6.06418E-18	-0.25301	hypo	sig	chr6_169188773
chr2	2.41E+08	241081800	+	2.602E-19	6.06476E-18	-0.22664	hypo	sig	chr2_241081800
chr14	88327005	88327005	+	2.606E-19	6.07379E-18	0.221014	hyper	sig	chr14_88327005
chr16	89605731	89605731	+	2.607E-19	6.07629E-18	-0.22975	hypo	sig	chr16_89605731
chr17	49257507	49257507	+	2.607E-19	6.07657E-18	-0.3101	hypo	sig	chr17_49257507
chr3	1.7E+08	170423202	+	2.609E-19	6.08182E-18	-0.24323	hypo	sig	chr3_170423202
chr17	79789686	79789686	+	2.611E-19	6.0858E-18	0.218448	hyper	sig	chr17_79789686
chr6	36024894	36024894	+	2.616E-19	6.09738E-18	-0.23473	hypo	sig	chr6_36024894
chr2	44801509	44801509	+	2.617E-19	6.09809E-18	0.344732	hyper	sig	chr2_44801509
chr14	1.05E+08	104952517	+	2.62E-19	6.1061E-18	-0.24192	hypo	sig	chr14_104952517
chr8	26052085	26052085	+	2.62E-19	6.10674E-18	0.217941	hyper	sig	chr8_26052085
chr8	1.44E+08	143721524	+	2.621E-19	6.10701E-18	-0.23249	hypo	sig	chr8_143721524
chr2	73291656	73291656	+	2.623E-19	6.11316E-18	0.257562	hyper	sig	chr2_73291656
chr6	98843567	98843567	+	2.627E-19	6.12163E-18	0.208241	hyper	sig	chr6_98843567
chr16	1543863	1543863	+	2.628E-19	6.12435E-18	-0.29607	hypo	sig	chr16_1543863
chr12	80716970	80716970	+	2.639E-19	6.14804E-18	0.220925	hyper	sig	chr12_80716970
chr11	31815936	31815936	+	2.639E-19	6.14921E-18	0.256707	hyper	sig	chr11_31815936
chr6	1.69E+08	168887167	+	2.65E-19	6.17345E-18	-0.22422	hypo	sig	chr6_168887167
chr7	64947278	64947278	+	2.654E-19	6.1829E-18	0.247875	hyper	sig	chr7_64947278

chr16	2281445	2281445	+	2.655E-19	6.18564E-18	-0.23414	hypo	sig	chr16_2281445
chr2	74516545	74516545	+	2.656E-19	6.18627E-18	0.287691	hyper	sig	chr2_74516545
chr10	1.05E+08	104641511	+	2.666E-19	6.20974E-18	0.282749	hyper	sig	chr10_104641511
chr5	1.71E+08	171313909	+	2.667E-19	6.21228E-18	0.206544	hyper	sig	chr5_171313909
chr20	29427461	29427461	+	2.677E-19	6.2337E-18	0.281028	hyper	sig	chr20_29427461
chr11	67639724	67639724	+	2.679E-19	6.23813E-18	-0.25048	hypo	sig	chr11_67639724
chr11	1.17E+08	116823611	+	2.679E-19	6.23815E-18	-0.24847	hypo	sig	chr11_116823611
chr6	44001791	44001791	+	2.69E-19	6.26352E-18	-0.25237	hypo	sig	chr6_44001791
chr10	1.33E+08	133100248	+	2.693E-19	6.27127E-18	-0.2185	hypo	sig	chr10_133100248
chr17	50603080	50603080	+	2.694E-19	6.27337E-18	-0.23373	hypo	sig	chr17_50603080
chr19	33775114	33775114	+	2.695E-19	6.27478E-18	-0.23526	hypo	sig	chr19_33775114
chr8	64379005	64379005	+	2.699E-19	6.28398E-18	0.261312	hyper	sig	chr8_64379005
chr16	1194517	1194517	+	2.701E-19	6.28829E-18	-0.22487	hypo	sig	chr16_1194517
chr2	1.31E+08	130930890	+	2.71E-19	6.30914E-18	-0.22791	hypo	sig	chr2_130930890
chr19	45322484	45322484	+	2.711E-19	6.31103E-18	-0.23979	hypo	sig	chr19_45322484
chr4	1.66E+08	165874756	+	2.713E-19	6.31508E-18	0.282534	hyper	sig	chr4_165874756
chr7	19143898	19143898	+	2.717E-19	6.3238E-18	0.240078	hyper	sig	chr7_19143898
chr12	57727730	57727730	+	2.723E-19	6.33799E-18	0.293111	hyper	sig	chr12_57727730
chr17	79048248	79048248	+	2.727E-19	6.34707E-18	-0.31135	hypo	sig	chr17_79048248
chr13	1.11E+08	110625292	+	2.728E-19	6.34903E-18	-0.21364	hypo	sig	chr13_110625292
chr11	788583	788583	+	2.732E-19	6.35702E-18	-0.22036	hypo	sig	chr11_788583
chr13	1.14E+08	114082306	+	2.731E-19	6.35702E-18	0.200083	hyper	sig	chr13_114082306
chr4	15787609	15787609	+	2.732E-19	6.35702E-18	-0.21535	hypo	sig	chr4_15787609
chr16	1044605	1044605	+	2.735E-19	6.36511E-18	-0.27756	hypo	sig	chr16_1044605
chr15	58864928	58864928	+	2.74E-19	6.37602E-18	0.30392	hyper	sig	chr15_58864928
chr1	2.25E+08	224617901	+	2.742E-19	6.37991E-18	0.326587	hyper	sig	chr1_224617901
chr5	2754628	2754628	+	2.745E-19	6.38645E-18	0.241556	hyper	sig	chr5_2754628
chr12	1.13E+08	112575690	+	2.747E-19	6.39141E-18	0.245231	hyper	sig	chr12_112575690
chr14	20510671	20510671	+	2.75E-19	6.39719E-18	-0.23283	hypo	sig	chr14_20510671
chr10	97043973	97043973	+	2.757E-19	6.41446E-18	-0.2011	hypo	sig	chr10_97043973
chr16	229946	229946	+	2.758E-19	6.41608E-18	-0.28838	hypo	sig	chr16_229946
chr19	58581397	58581397	+	2.765E-19	6.43174E-18	0.254603	hyper	sig	chr19_58581397
chr1	2.37E+08	237043176	+	2.767E-19	6.43719E-18	0.276352	hyper	sig	chr1_237043176
chr19	58043159	58043159	+	2.773E-19	6.45118E-18	0.238738	hyper	sig	chr19_58043159
chr1	90729775	90729775	+	2.776E-19	6.45712E-18	0.234263	hyper	sig	chr1_90729775
chr1	75128368	75128368	+	2.777E-19	6.4596E-18	0.237719	hyper	sig	chr1_75128368
chr17	76453724	76453724	+	2.78E-19	6.46556E-18	-0.2218	hypo	sig	chr17_76453724
chr14	60507107	60507107	+	2.782E-19	6.47091E-18	0.261782	hyper	sig	chr14_60507107
chr10	3763169	3763169	+	2.785E-19	6.47662E-18	-0.22493	hypo	sig	chr10_3763169
chr15	93421792	93421792	+	2.79E-19	6.48764E-18	-0.24379	hypo	sig	chr15_93421792
chr4	41879217	41879217	+	2.791E-19	6.49063E-18	0.332986	hyper	sig	chr4_41879217
chr3	1.47E+08	147412752	+	2.792E-19	6.49307E-18	0.2668	hyper	sig	chr3_147412752
chr2	96527489	96527489	+	2.798E-19	6.50629E-18	0.270658	hyper	sig	chr2_96527489
chr8	1.01E+08	100860300	+	2.799E-19	6.50929E-18	-0.24681	hypo	sig	chr8_100860300
chr16	3183981	3183981	+	2.801E-19	6.51167E-18	0.268066	hyper	sig	chr16_3183981
chr2	2.31E+08	231388336	+	2.801E-19	6.51295E-18	-0.23428	hypo	sig	chr2_231388336
chr11	66049119	66049119	+	2.805E-19	6.52141E-18	0.283946	hyper	sig	chr11_66049119
chr7	1.22E+08	122307093	+	2.807E-19	6.5256E-18	0.237416	hyper	sig	chr7_122307093
chr9	118067	118067	+	2.807E-19	6.52608E-18	0.331083	hyper	sig	chr9_118067
chr8	22148008	22148008	+	2.811E-19	6.5348E-18	-0.22742	hypo	sig	chr8_22148008
chr5	37839678	37839678	+	2.812E-19	6.53785E-18	0.206585	hyper	sig	chr5_37839678
chr19	56765326	56765326	+	2.818E-19	6.55057E-18	0.296845	hyper	sig	chr19_56765326
chr18	72544727	72544727	+	2.822E-19	6.55844E-18	0.215719	hyper	sig	chr18_72544727
chr4	1.17E+08	116925950	+	2.838E-19	6.59631E-18	0.254992	hyper	sig	chr4_116925950
chr2	1.15E+08	115162583	+	2.841E-19	6.60342E-18	0.311932	hyper	sig	chr2_115162583
chr3	36763935	36763935	+	2.844E-19	6.60975E-18	0.313003	hyper	sig	chr3_36763935

chr5	1.78E+08	177503734	+	2.848E-19	6.61853E-18	-0.21867	hypo	sig	chr5_177503734
chr4	44447607	44447607	+	2.85E-19	6.62326E-18	0.266925	hyper	sig	chr4_44447607
chr16	86498746	86498746	+	2.853E-19	6.62938E-18	0.256863	hyper	sig	chr16_86498746
chr11	20160513	20160513	+	2.857E-19	6.63891E-18	0.200093	hyper	sig	chr11_20160513
chr12	33438438	33438438	+	2.861E-19	6.64903E-18	0.219458	hyper	sig	chr12_33438438
chr12	1.07E+08	106585742	+	2.863E-19	6.65143E-18	0.243851	hyper	sig	chr12_106585742
chr6	30127772	30127772	+	2.864E-19	6.65334E-18	0.214779	hyper	sig	chr6_30127772
chr7	44327053	44327053	+	2.87E-19	6.66723E-18	-0.23513	hypo	sig	chr7_44327053
chr2	1.71E+08	170712772	+	2.87E-19	6.66784E-18	0.207599	hyper	sig	chr2_170712772
chr7	5303495	5303495	+	2.875E-19	6.67901E-18	-0.29098	hypo	sig	chr7_5303495
chr4	1.54E+08	153790445	+	2.876E-19	6.68056E-18	0.207801	hyper	sig	chr4_153790445
chr16	67964103	67964103	+	2.881E-19	6.69225E-18	0.208103	hyper	sig	chr16_67964103
chr6	10099423	10099423	+	2.882E-19	6.69495E-18	-0.23678	hypo	sig	chr6_10099423
chr19	46024213	46024213	+	2.884E-19	6.7001E-18	-0.22104	hypo	sig	chr19_46024213
chr14	1.01E+08	100836184	+	2.886E-19	6.70277E-18	-0.21898	hypo	sig	chr14_100836184
chr14	36654556	36654556	+	2.888E-19	6.70794E-18	0.246316	hyper	sig	chr14_36654556
chr15	78871721	78871721	+	2.888E-19	6.70818E-18	-0.2532	hypo	sig	chr15_78871721
chr4	80189986	80189986	+	2.889E-19	6.70936E-18	0.259804	hyper	sig	chr4_80189986
chr6	30172361	30172361	+	2.89E-19	6.7121E-18	0.227626	hyper	sig	chr6_30172361
chr5	44388936	44388936	+	2.893E-19	6.71909E-18	0.232707	hyper	sig	chr5_44388936
chr4	1.82E+08	182142261	+	2.9E-19	6.73483E-18	0.209358	hyper	sig	chr4_182142261
chr10	475821	475821	+	2.909E-19	6.75402E-18	-0.20729	hypo	sig	chr10_475821
chr21	44990694	44990694	+	2.921E-19	6.78188E-18	-0.23367	hypo	sig	chr21_44990694
chr17	77373872	77373872	+	2.926E-19	6.79433E-18	0.234685	hyper	sig	chr17_77373872
chr7	92608934	92608934	+	2.927E-19	6.796E-18	-0.22918	hypo	sig	chr7_92608934
chr2	2.39E+08	239274431	+	2.928E-19	6.79886E-18	-0.20124	hypo	sig	chr2_239274431
chr12	1.15E+08	114687125	+	2.93E-19	6.80185E-18	0.204546	hyper	sig	chr12_114687125
chr12	1.31E+08	130716056	+	2.931E-19	6.80385E-18	0.237815	hyper	sig	chr12_130716056
chr16	55655646	55655646	+	2.933E-19	6.8079E-18	0.28095	hyper	sig	chr16_55655646
chr2	2.06E+08	205686555	+	2.933E-19	6.80915E-18	0.234296	hyper	sig	chr2_205686555
chr2	1.19E+08	118858447	+	2.943E-19	6.83075E-18	0.230017	hyper	sig	chr2_118858447
chr1	1.19E+08	118989998	+	2.944E-19	6.83283E-18	0.213312	hyper	sig	chr1_118989998
chr17	49963931	49963931	+	2.946E-19	6.8373E-18	0.369331	hyper	sig	chr17_49963931
chr2	1.76E+08	176099992	+	2.946E-19	6.83734E-18	0.212886	hyper	sig	chr2_176099992
chr11	77039364	77039364	+	2.954E-19	6.85566E-18	-0.39175	hypo	sig	chr11_77039364
chr16	775475	775475	+	2.958E-19	6.86338E-18	-0.26293	hypo	sig	chr16_775475
chr10	1.01E+08	101061934	+	2.958E-19	6.86361E-18	-0.30433	hypo	sig	chr10_101061934
chr13	53202326	53202326	+	2.958E-19	6.86361E-18	0.22315	hyper	sig	chr13_53202326
chr9	37002736	37002736	+	2.958E-19	6.86468E-18	0.275863	hyper	sig	chr9_37002736
chr19	57600217	57600217	+	2.96E-19	6.86755E-18	0.20869	hyper	sig	chr19_57600217
chr5	1948761	1948761	+	2.962E-19	6.87276E-18	-0.2058	hypo	sig	chr5_1948761
chr5	1.81E+08	180629301	+	2.965E-19	6.87837E-18	-0.22457	hypo	sig	chr5_180629301
chr10	1.01E+08	100659556	+	2.965E-19	6.87979E-18	0.256992	hyper	sig	chr10_100659556
chr12	53960886	53960886	+	2.973E-19	6.89655E-18	0.205169	hyper	sig	chr12_53960886
chr1	3455918	3455918	+	2.979E-19	6.91042E-18	-0.20329	hypo	sig	chr1_3455918
chr8	49910013	49910013	+	2.981E-19	6.91362E-18	0.242544	hyper	sig	chr8_49910013
chr19	13013822	13013822	+	2.985E-19	6.92298E-18	0.248282	hyper	sig	chr19_13013822
chr16	833846	833846	+	2.99E-19	6.93324E-18	-0.20414	hypo	sig	chr16_833846
chr17	36942025	36942025	+	2.99E-19	6.93324E-18	0.250673	hyper	sig	chr17_36942025
chr1	40318666	40318666	+	2.99E-19	6.93383E-18	-0.32034	hypo	sig	chr1_40318666
chr5	77632869	77632869	+	2.99E-19	6.93439E-18	0.235184	hyper	sig	chr5_77632869
chr5	1.23E+08	123098684	+	3.013E-19	6.98532E-18	0.204445	hyper	sig	chr5_123098684
chr15	24773113	24773113	+	3.013E-19	6.98535E-18	0.203996	hyper	sig	chr15_24773113
chr13	78597184	78597184	+	3.014E-19	6.98785E-18	0.21591	hyper	sig	chr13_78597184
chr5	51378109	51378109	+	3.015E-19	6.98948E-18	0.26391	hyper	sig	chr5_51378109
chr3	1.61E+08	160757393	+	3.016E-19	6.99237E-18	0.218686	hyper	sig	chr3_160757393

chr17	74939803	74939803	+	3.017E-19	6.9944E-18	-0.22438	hypo	sig	chr17_74939803
chr1	3360123	3360123	+	3.019E-19	6.99741E-18	-0.2274	hypo	sig	chr1_3360123
chr8	1.42E+08	142173151	+	3.022E-19	7.00545E-18	-0.20914	hypo	sig	chr8_142173151
chr14	70186981	70186981	+	3.023E-19	7.00722E-18	0.305522	hyper	sig	chr14_70186981
chr1	2339858	2339858	+	3.025E-19	7.01182E-18	-0.20471	hypo	sig	chr1_2339858
chr18	77979311	77979311	+	3.032E-19	7.02764E-18	-0.22869	hypo	sig	chr18_77979311
chr18	50298752	50298752	+	3.038E-19	7.04026E-18	0.233948	hyper	sig	chr18_50298752
chr14	1.05E+08	104740043	+	3.04E-19	7.04505E-18	-0.20488	hypo	sig	chr14_104740043
chr3	1.47E+08	147422436	+	3.044E-19	7.0541E-18	0.23104	hyper	sig	chr3_147422436
chr5	33937077	33937077	+	3.046E-19	7.05789E-18	0.230745	hyper	sig	chr5_33937077
chr10	49133944	49133944	+	3.047E-19	7.05948E-18	-0.20832	hypo	sig	chr10_49133944
chr17	79423286	79423286	+	3.047E-19	7.06014E-18	-0.20888	hypo	sig	chr17_79423286
chr11	829081	829081	+	3.05E-19	7.0661E-18	-0.22569	hypo	sig	chr11_829081
chr8	70072742	70072742	+	3.055E-19	7.07773E-18	0.243202	hyper	sig	chr8_70072742
chr2	1.19E+08	118853580	+	3.061E-19	7.08998E-18	0.247207	hyper	sig	chr2_118853580
chr5	1.41E+08	141421965	+	3.071E-19	7.11283E-18	0.225786	hyper	sig	chr5_141421965
chr16	89608176	89608176	+	3.074E-19	7.12111E-18	-0.22157	hypo	sig	chr16_89608176
chr19	22422432	22422432	+	3.076E-19	7.12436E-18	0.219411	hyper	sig	chr19_22422432
chr9	1.36E+08	135969744	+	3.081E-19	7.13624E-18	-0.27955	hypo	sig	chr9_135969744
chr13	1.13E+08	113420494	+	3.082E-19	7.13888E-18	-0.24342	hypo	sig	chr13_113420494
chr2	44944709	44944709	+	3.084E-19	7.14154E-18	0.273255	hyper	sig	chr2_44944709
chr20	63006025	63006025	+	3.094E-19	7.16513E-18	0.205373	hyper	sig	chr20_63006025
chr9	1.34E+08	133580522	+	3.102E-19	7.18243E-18	-0.24173	hypo	sig	chr9_133580522
chr7	1.54E+08	153749629	+	3.105E-19	7.19024E-18	0.215422	hyper	sig	chr7_153749629
chr1	9652547	9652547	+	3.106E-19	7.19252E-18	0.208762	hyper	sig	chr1_9652547
chr1	3437874	3437874	+	3.112E-19	7.20509E-18	-0.22309	hypo	sig	chr1_3437874
chr4	1.35E+08	134948327	+	3.116E-19	7.21462E-18	-0.22962	hypo	sig	chr4_134948327
chr3	13637818	13637818	+	3.117E-19	7.21572E-18	-0.23102	hypo	sig	chr3_13637818
chr10	1.03E+08	103277970	+	3.12E-19	7.22337E-18	0.252114	hyper	sig	chr10_103277970
chr7	1233753	1233753	+	3.124E-19	7.23319E-18	0.233277	hyper	sig	chr7_1233753
chr2	50347548	50347548	+	3.132E-19	7.24958E-18	0.214091	hyper	sig	chr2_50347548
chr4	1.74E+08	173527498	+	3.134E-19	7.25394E-18	0.200709	hyper	sig	chr4_173527498
chr10	1.2E+08	120454439	+	3.136E-19	7.25923E-18	-0.28804	hypo	sig	chr10_120454439
chr20	46058453	46058453	+	3.136E-19	7.25923E-18	0.210274	hyper	sig	chr20_46058453
chr2	2.32E+08	231707756	+	3.142E-19	7.27199E-18	-0.22199	hypo	sig	chr2_231707756
chr6	6004104	6004104	+	3.148E-19	7.28576E-18	0.245561	hyper	sig	chr6_6004104
chr7	561607	561607	+	3.154E-19	7.29939E-18	0.213802	hyper	sig	chr7_561607
chr8	71843296	71843296	+	3.162E-19	7.31752E-18	0.216744	hyper	sig	chr8_71843296
chr6	50723278	50723278	+	3.164E-19	7.3228E-18	0.248986	hyper	sig	chr6_50723278
chr4	6663990	6663990	+	3.168E-19	7.33213E-18	0.298027	hyper	sig	chr4_6663990
chr15	1.01E+08	101009111	+	3.169E-19	7.3335E-18	-0.2249	hypo	sig	chr15_101009111
chr6	28810615	28810615	+	3.17E-19	7.33524E-18	0.201804	hyper	sig	chr6_28810615
chr3	1.54E+08	154428049	+	3.17E-19	7.33608E-18	0.264343	hyper	sig	chr3_154428049
chr2	5696256	5696256	+	3.171E-19	7.33666E-18	0.358617	hyper	sig	chr2_5696256
chr18	47260528	47260528	+	3.172E-19	7.33911E-18	0.201222	hyper	sig	chr18_47260528
chr17	807413	807413	+	3.179E-19	7.35579E-18	-0.28744	hypo	sig	chr17_807413
chr19	543497	543497	+	3.181E-19	7.3582E-18	-0.24334	hypo	sig	chr19_543497
chr2	9212898	9212898	+	3.197E-19	7.39584E-18	-0.22782	hypo	sig	chr2_9212898
chr7	1.28E+08	128357475	+	3.198E-19	7.39709E-18	-0.278	hypo	sig	chr7_128357475
chr18	12911529	12911529	+	3.199E-19	7.4005E-18	0.291843	hyper	sig	chr18_12911529
chr7	1.03E+08	103152928	+	3.203E-19	7.40789E-18	-0.25419	hypo	sig	chr7_103152928
chr10	1.17E+08	117132784	+	3.203E-19	7.409E-18	0.306091	hyper	sig	chr10_117132784
chr17	42687043	42687043	+	3.204E-19	7.40977E-18	0.256831	hyper	sig	chr17_42687043
chr17	57745038	57745038	+	3.212E-19	7.42898E-18	-0.25146	hypo	sig	chr17_57745038
chr6	1.05E+08	104953007	+	3.212E-19	7.42898E-18	0.231872	hyper	sig	chr6_104953007
chr6	1.66E+08	165819449	+	3.214E-19	7.43332E-18	0.240482	hyper	sig	chr6_165819449

chr6	1625242	1625242	+	3.218E-19	7.44285E-18	0.237039	hyper	sig	chr6_1625242
chr15	31483203	31483203	+	3.22E-19	7.44613E-18	0.234466	hyper	sig	chr15_31483203
chr10	1.01E+08	100659588	+	3.226E-19	7.45888E-18	0.245673	hyper	sig	chr10_100659588
chr5	1.41E+08	140884409	+	3.229E-19	7.4666E-18	0.207891	hyper	sig	chr5_140884409
chr5	1.75E+08	175477661	+	3.232E-19	7.47166E-18	-0.24474	hypo	sig	chr5_175477661
chr11	77039228	77039228	+	3.234E-19	7.4764E-18	-0.41604	hypo	sig	chr11_77039228
chr12	1.31E+08	130954010	+	3.236E-19	7.48059E-18	0.2402	hyper	sig	chr12_130954010
chr16	29182051	29182051	+	3.238E-19	7.48541E-18	-0.20483	hypo	sig	chr16_29182051
chr2	44944201	44944201	+	3.239E-19	7.48718E-18	0.336461	hyper	sig	chr2_44944201
chr3	1.47E+08	147397314	+	3.254E-19	7.52206E-18	0.231052	hyper	sig	chr3_147397314
chr17	28717603	28717603	+	3.255E-19	7.52468E-18	0.230586	hyper	sig	chr17_28717603
chr8	43246837	43246837	+	3.258E-19	7.53027E-18	0.298657	hyper	sig	chr8_43246837
chr15	37098166	37098166	+	3.261E-19	7.53679E-18	0.359139	hyper	sig	chr15_37098166
chr20	60087917	60087917	+	3.261E-19	7.53749E-18	0.217551	hyper	sig	chr20_60087917
chr6	32763350	32763350	+	3.269E-19	7.55517E-18	-0.21306	hypo	sig	chr6_32763350
chr7	5237557	5237557	+	3.276E-19	7.57047E-18	-0.20667	hypo	sig	chr7_5237557
chr16	561401	561401	+	3.277E-19	7.57246E-18	-0.24745	hypo	sig	chr16_561401
chr10	22253523	22253523	+	3.278E-19	7.57571E-18	0.236487	hyper	sig	chr10_22253523
chr17	28717348	28717348	+	3.283E-19	7.58684E-18	0.238904	hyper	sig	chr17_28717348
chr6	50714721	50714721	+	3.284E-19	7.58768E-18	0.202053	hyper	sig	chr6_50714721
chr14	1.05E+08	104514531	+	3.286E-19	7.59181E-18	-0.25215	hypo	sig	chr14_104514531
chr7	50401373	50401373	+	3.287E-19	7.59421E-18	-0.26039	hypo	sig	chr7_50401373
chr7	19144900	19144900	+	3.289E-19	7.59987E-18	0.249936	hyper	sig	chr7_19144900
chr22	48396930	48396930	+	3.299E-19	7.62192E-18	-0.22999	hypo	sig	chr22_48396930
chr5	19988729	19988729	+	3.301E-19	7.62628E-18	0.207554	hyper	sig	chr5_19988729
chr10	1.1E+08	110493538	+	3.302E-19	7.62769E-18	-0.25985	hypo	sig	chr10_110493538
chr5	1.46E+08	146379277	+	3.302E-19	7.62856E-18	0.238201	hyper	sig	chr5_146379277
chr5	88678102	88678102	+	3.303E-19	7.63113E-18	0.222405	hyper	sig	chr5_88678102
chr3	62367837	62367837	+	3.307E-19	7.64014E-18	0.247201	hyper	sig	chr3_62367837
chr3	10816059	10816059	+	3.311E-19	7.6472E-18	0.248928	hyper	sig	chr3_10816059
chr5	42944143	42944143	+	3.314E-19	7.65423E-18	0.292444	hyper	sig	chr5_42944143
chr7	28409810	28409810	+	3.318E-19	7.66267E-18	0.211472	hyper	sig	chr7_28409810
chr11	30016126	30016126	+	3.321E-19	7.66926E-18	0.252976	hyper	sig	chr11_30016126
chr6	41560807	41560807	+	3.323E-19	7.67407E-18	0.224254	hyper	sig	chr6_41560807
chr1	6225007	6225007	+	3.325E-19	7.67783E-18	-0.21286	hypo	sig	chr1_6225007
chr6	10384918	10384918	+	3.33E-19	7.69003E-18	0.278761	hyper	sig	chr6_10384918
chr11	1.12E+08	111548266	+	3.334E-19	7.69934E-18	-0.32532	hypo	sig	chr11_111548266
chr10	1.28E+08	127736930	+	3.337E-19	7.70616E-18	0.359732	hyper	sig	chr10_127736930
chr19	11453697	11453697	+	3.338E-19	7.70698E-18	-0.20689	hypo	sig	chr19_11453697
chr5	63959222	63959222	+	3.34E-19	7.71117E-18	0.337946	hyper	sig	chr5_63959222
chr14	1.05E+08	104605007	+	3.342E-19	7.71599E-18	0.241513	hyper	sig	chr14_104605007
chr8	64377250	64377250	+	3.344E-19	7.72014E-18	0.245969	hyper	sig	chr8_64377250
chr7	35186640	35186640	+	3.346E-19	7.72381E-18	0.232037	hyper	sig	chr7_35186640
chr6	30171796	30171796	+	3.348E-19	7.72759E-18	0.201295	hyper	sig	chr6_30171796
chr14	60507269	60507269	+	3.351E-19	7.73467E-18	0.273128	hyper	sig	chr14_60507269
chr16	86497204	86497204	+	3.353E-19	7.73937E-18	0.243954	hyper	sig	chr16_86497204
chr1	1.8E+08	179744085	+	3.358E-19	7.75157E-18	0.277857	hyper	sig	chr1_179744085
chr2	424402	424402	+	3.359E-19	7.75315E-18	-0.23919	hypo	sig	chr2_424402
chr4	3879886	3879886	+	3.359E-19	7.75315E-18	0.200655	hyper	sig	chr4_3879886
chr6	33167986	33167986	+	3.365E-19	7.76492E-18	-0.22669	hypo	sig	chr6_33167986
chr2	88017776	88017776	+	3.365E-19	7.76663E-18	-0.25686	hypo	sig	chr2_88017776
chr17	83063534	83063534	+	3.366E-19	7.76822E-18	-0.21862	hypo	sig	chr17_83063534
chr4	1.58E+08	158171003	+	3.368E-19	7.77251E-18	0.22764	hyper	sig	chr4_158171003
chr6	10417158	10417158	+	3.369E-19	7.77409E-18	0.258593	hyper	sig	chr6_10417158
chr4	41881109	41881109	+	3.37E-19	7.77638E-18	0.251809	hyper	sig	chr4_41881109
chr10	1.19E+08	118595182	+	3.371E-19	7.77736E-18	0.217118	hyper	sig	chr10_118595182

chr8	85438344	85438344	+	3.371E-19	7.77915E-18	0.229307	hyper	sig	chr8_85438344
chr2	31581095	31581095	+	3.373E-19	7.78306E-18	0.294497	hyper	sig	chr2_31581095
chr11	47391536	47391536	+	3.376E-19	7.78893E-18	-0.22867	hypo	sig	chr11_47391536
chr1	1333916	1333916	+	3.377E-19	7.79205E-18	-0.23996	hypo	sig	chr1_1333916
chr19	52398004	52398004	+	3.38E-19	7.79699E-18	0.261642	hyper	sig	chr19_52398004
chr10	1.33E+08	133029447	+	3.384E-19	7.80749E-18	-0.26298	hypo	sig	chr10_133029447
chr19	3825669	3825669	+	3.385E-19	7.80785E-18	-0.28893	hypo	sig	chr19_3825669
chr9	65406501	65406501	+	3.396E-19	7.83421E-18	-0.26036	hypo	sig	chr9_65406501
chr13	50132907	50132907	+	3.402E-19	7.84792E-18	0.247954	hyper	sig	chr13_50132907
chr16	67651547	67651547	+	3.411E-19	7.86652E-18	-0.27636	hypo	sig	chr16_67651547
chr14	47675760	47675760	+	3.413E-19	7.87128E-18	0.257538	hyper	sig	chr14_47675760
chr3	1.72E+08	172450020	+	3.413E-19	7.87184E-18	0.243005	hyper	sig	chr3_172450020
chr10	1.01E+08	101061913	+	3.42E-19	7.88794E-18	-0.29461	hypo	sig	chr10_101061913
chr3	1.38E+08	137761257	+	3.421E-19	7.88911E-18	0.294367	hyper	sig	chr3_137761257
chr5	93595505	93595505	+	3.426E-19	7.90119E-18	0.221735	hyper	sig	chr5_93595505
chr4	84496552	84496552	+	3.428E-19	7.9033E-18	0.241976	hyper	sig	chr4_84496552
chr9	97852568	97852568	+	3.428E-19	7.9033E-18	0.294624	hyper	sig	chr9_97852568
chr12	1.15E+08	114687119	+	3.431E-19	7.91055E-18	0.200642	hyper	sig	chr12_114687119
chr1	2.21E+08	220887728	+	3.431E-19	7.91162E-18	0.241366	hyper	sig	chr1_220887728
chr8	47763160	47763160	+	3.442E-19	7.93485E-18	0.218395	hyper	sig	chr8_47763160
chr19	57583784	57583784	+	3.442E-19	7.93558E-18	0.257035	hyper	sig	chr19_57583784
chr5	25911098	25911098	+	3.442E-19	7.936E-18	-0.22889	hypo	sig	chr5_25911098
chr7	79454497	79454497	+	3.443E-19	7.93732E-18	0.308036	hyper	sig	chr7_79454497
chr1	1.19E+08	118985031	+	3.447E-19	7.94562E-18	0.312056	hyper	sig	chr1_118985031
chr8	26049512	26049512	+	3.448E-19	7.94719E-18	0.255785	hyper	sig	chr8_26049512
chr14	26598486	26598486	+	3.466E-19	7.9896E-18	0.22686	hyper	sig	chr14_26598486
chr15	40128903	40128903	+	3.474E-19	8.00808E-18	-0.25511	hypo	sig	chr15_40128903
chr1	2.43E+08	242523703	+	3.476E-19	8.01076E-18	0.247985	hyper	sig	chr1_242523703
chr19	9966639	9966639	+	3.477E-19	8.01309E-18	0.219825	hyper	sig	chr19_9966639
chr19	12839369	12839369	+	3.478E-19	8.01521E-18	-0.2315	hypo	sig	chr19_12839369
chr11	20671260	20671260	+	3.482E-19	8.02465E-18	0.217776	hyper	sig	chr11_20671260
chr7	1298696	1298696	+	3.483E-19	8.02749E-18	-0.22527	hypo	sig	chr7_1298696
chr15	82646264	82646264	+	3.488E-19	8.03794E-18	0.309259	hyper	sig	chr15_82646264
chr6	30172115	30172115	+	3.488E-19	8.03858E-18	0.276523	hyper	sig	chr6_30172115
chr15	37098125	37098125	+	3.499E-19	8.06256E-18	0.295092	hyper	sig	chr15_37098125
chr13	20137560	20137560	+	3.503E-19	8.07261E-18	-0.30233	hypo	sig	chr13_20137560
chr7	1.58E+08	158431799	+	3.507E-19	8.08088E-18	-0.24556	hypo	sig	chr7_158431799
chr3	1.25E+08	125141961	+	3.508E-19	8.08198E-18	0.277349	hyper	sig	chr3_125141961
chr17	5130152	5130152	+	3.513E-19	8.09291E-18	-0.29574	hypo	sig	chr17_5130152
chr19	4559826	4559826	+	3.515E-19	8.09753E-18	-0.26353	hypo	sig	chr19_4559826
chr1	65265793	65265793	+	3.516E-19	8.10067E-18	0.205609	hyper	sig	chr1_65265793
chr10	49679809	49679809	+	3.526E-19	8.1223E-18	0.200502	hyper	sig	chr10_49679809
chr5	1.46E+08	146379288	+	3.531E-19	8.13361E-18	0.252377	hyper	sig	chr5_146379288
chr5	1.56E+08	155729545	+	3.538E-19	8.14888E-18	0.242212	hyper	sig	chr5_155729545
chr16	54933864	54933864	+	3.546E-19	8.16898E-18	0.200588	hyper	sig	chr16_54933864
chr13	23620377	23620377	+	3.547E-19	8.17084E-18	-0.28169	hypo	sig	chr13_23620377
chr10	70603410	70603410	+	3.561E-19	8.20132E-18	-0.27844	hypo	sig	chr10_70603410
chr8	72537944	72537944	+	3.567E-19	8.21421E-18	0.276413	hyper	sig	chr8_72537944
chr2	2.4E+08	240324682	+	3.572E-19	8.22575E-18	-0.22905	hypo	sig	chr2_240324682
chr1	42153447	42153447	+	3.578E-19	8.23996E-18	-0.22214	hypo	sig	chr1_42153447
chr6	32076709	32076709	+	3.58E-19	8.24502E-18	-0.32443	hypo	sig	chr6_32076709
chr11	1.23E+08	122977759	+	3.591E-19	8.26909E-18	0.254866	hyper	sig	chr11_122977759
chr5	1.76E+08	175796513	+	3.592E-19	8.27076E-18	0.259219	hyper	sig	chr5_175796513
chr16	87543933	87543933	+	3.602E-19	8.29398E-18	-0.24016	hypo	sig	chr16_87543933
chr14	94773041	94773041	+	3.605E-19	8.30001E-18	0.218114	hyper	sig	chr14_94773041
chr2	2.38E+08	238100360	+	3.605E-19	8.30083E-18	-0.20411	hypo	sig	chr2_238100360

chr11	829035	829035	+	3.606E-19	8.30088E-18	-0.21755	hypo	sig	chr11_829035
chr5	1.39E+08	139393630	+	3.612E-19	8.31433E-18	0.268308	hyper	sig	chr5_139393630
chr19	19261091	19261091	+	3.623E-19	8.33976E-18	0.243899	hyper	sig	chr19_19261091
chr15	89360378	89360378	+	3.625E-19	8.34513E-18	0.290781	hyper	sig	chr15_89360378
chr5	3602506	3602506	+	3.63E-19	8.3549E-18	0.251631	hyper	sig	chr5_3602506
chr13	99497038	99497038	+	3.634E-19	8.36532E-18	-0.23192	hypo	sig	chr13_99497038
chr2	89649914	89649914	+	3.647E-19	8.39331E-18	-0.29703	hypo	sig	chr2_89649914
chr17	42685066	42685066	+	3.648E-19	8.39526E-18	0.22847	hyper	sig	chr17_42685066
chr11	1.29E+08	128695229	+	3.649E-19	8.39842E-18	0.279495	hyper	sig	chr11_128695229
chr2	1.77E+08	176645757	+	3.65E-19	8.40078E-18	-0.24608	hypo	sig	chr2_176645757
chr20	10218888	10218888	+	3.653E-19	8.40646E-18	0.234831	hyper	sig	chr20_10218888
chr7	1.04E+08	103988919	+	3.656E-19	8.41294E-18	0.254496	hyper	sig	chr7_103988919
chr19	51085562	51085562	+	3.661E-19	8.42542E-18	-0.23927	hypo	sig	chr19_51085562
chr11	56137306	56137306	+	3.67E-19	8.44412E-18	-0.22303	hypo	sig	chr11_56137306
chr16	88280401	88280401	+	3.677E-19	8.46025E-18	0.248893	hyper	sig	chr16_88280401
chr14	94951235	94951235	+	3.677E-19	8.46131E-18	-0.21311	hypo	sig	chr14_94951235
chr6	28885309	28885309	+	3.681E-19	8.46928E-18	0.30897	hyper	sig	chr6_28885309
chr3	1.38E+08	137764812	+	3.684E-19	8.47539E-18	0.235798	hyper	sig	chr3_137764812
chr7	8443196	8443196	+	3.686E-19	8.47963E-18	0.334473	hyper	sig	chr7_8443196
chr13	99989254	99989254	+	3.694E-19	8.49808E-18	0.264313	hyper	sig	chr13_99989254
chr14	92324273	92324273	+	3.695E-19	8.50033E-18	0.211505	hyper	sig	chr14_92324273
chr6	30110513	30110513	+	3.695E-19	8.5009E-18	-0.20516	hypo	sig	chr6_30110513
chr11	43577803	43577803	+	3.696E-19	8.5017E-18	0.261463	hyper	sig	chr11_43577803
chr14	56812416	56812416	+	3.71E-19	8.53471E-18	0.224294	hyper	sig	chr14_56812416
chr6	10841496	10841496	+	3.711E-19	8.53613E-18	-0.29133	hypo	sig	chr6_10841496
chr11	788457	788457	+	3.717E-19	8.54864E-18	-0.26708	hypo	sig	chr11_788457
chr19	5038789	5038789	+	3.717E-19	8.55048E-18	-0.20668	hypo	sig	chr19_5038789
chr1	63320196	63320196	+	3.718E-19	8.5515E-18	0.230484	hyper	sig	chr1_63320196
chr4	1.11E+08	110612657	+	3.727E-19	8.57162E-18	0.248399	hyper	sig	chr4_110612657
chr14	26205001	26205001	+	3.733E-19	8.58395E-18	0.25607	hyper	sig	chr14_26205001
chr16	1093776	1093776	+	3.736E-19	8.5914E-18	-0.23459	hypo	sig	chr16_1093776
chr12	1.04E+08	104457576	+	3.737E-19	8.59394E-18	0.320658	hyper	sig	chr12_104457576
chr7	49776144	49776144	+	3.739E-19	8.59624E-18	0.204668	hyper	sig	chr7_49776144
chr19	56671487	56671487	+	3.742E-19	8.6034E-18	0.212285	hyper	sig	chr19_56671487
chr8	1.31E+08	131039798	+	3.742E-19	8.6034E-18	0.251313	hyper	sig	chr8_131039798
chr11	72244058	72244058	+	3.745E-19	8.61018E-18	0.226729	hyper	sig	chr11_72244058
chr12	1.3E+08	130451984	+	3.749E-19	8.61889E-18	-0.27949	hypo	sig	chr12_130451984
chr1	2334885	2334885	+	3.756E-19	8.63433E-18	-0.2134	hypo	sig	chr1_2334885
chr20	30891855	30891855	+	3.756E-19	8.63491E-18	0.265469	hyper	sig	chr20_30891855
chr7	97021379	97021379	+	3.76E-19	8.64449E-18	0.261184	hyper	sig	chr7_97021379
chr18	80081592	80081592	+	3.761E-19	8.64574E-18	-0.26106	hypo	sig	chr18_80081592
chr16	49278582	49278582	+	3.771E-19	8.66742E-18	0.273225	hyper	sig	chr16_49278582
chr19	53058128	53058128	+	3.771E-19	8.66815E-18	0.28025	hyper	sig	chr19_53058128
chr18	75205130	75205130	+	3.779E-19	8.68473E-18	0.25559	hyper	sig	chr18_75205130
chr11	31796936	31796936	+	3.78E-19	8.68744E-18	0.299075	hyper	sig	chr11_31796936
chr7	2662145	2662145	+	3.783E-19	8.6951E-18	-0.22362	hypo	sig	chr7_2662145
chr1	1.55E+08	154544307	+	3.784E-19	8.69679E-18	-0.23711	hypo	sig	chr1_154544307
chr13	57633506	57633506	+	3.785E-19	8.6979E-18	0.254603	hyper	sig	chr13_57633506
chr16	1482469	1482469	+	3.785E-19	8.6985E-18	-0.30843	hypo	sig	chr16_1482469
chr8	1.31E+08	131042483	+	3.793E-19	8.71527E-18	0.267508	hyper	sig	chr8_131042483
chr14	36659504	36659504	+	3.795E-19	8.71967E-18	0.252494	hyper	sig	chr14_36659504
chr6	77467008	77467008	+	3.795E-19	8.71967E-18	0.275406	hyper	sig	chr6_77467008
chr20	2403702	2403702	+	3.8E-19	8.73165E-18	-0.23887	hypo	sig	chr20_2403702
chr14	53953082	53953082	+	3.802E-19	8.73486E-18	0.246705	hyper	sig	chr14_53953082
chr19	22422415	22422415	+	3.804E-19	8.73899E-18	0.207663	hyper	sig	chr19_22422415
chr7	1.58E+08	158253547	+	3.804E-19	8.73912E-18	-0.23001	hypo	sig	chr7_158253547

chr19	2513697	2513697	+	3.808E-19	8.74731E-18	-0.24258	hypo	sig	chr19_2513697
chr10	1.32E+08	132202775	+	3.808E-19	8.74808E-18	-0.26984	hypo	sig	chr10_132202775
chr17	8087771	8087771	+	3.812E-19	8.75634E-18	-0.27973	hypo	sig	chr17_8087771
chr1	2.06E+08	205849998	+	3.816E-19	8.76634E-18	0.233982	hyper	sig	chr1_205849998
chr19	817925	817925	+	3.821E-19	8.7762E-18	-0.28228	hypo	sig	chr19_817925
chr5	1.78E+08	177985629	+	3.822E-19	8.77991E-18	0.272125	hyper	sig	chr5_177985629
chr11	66316268	66316268	+	3.824E-19	8.78373E-18	-0.22311	hypo	sig	chr11_66316268
chr6	10390007	10390007	+	3.828E-19	8.79163E-18	0.298213	hyper	sig	chr6_10390007
chr20	63178077	63178077	+	3.829E-19	8.79409E-18	0.215815	hyper	sig	chr20_63178077
chr3	43997948	43997948	+	3.836E-19	8.81005E-18	0.206485	hyper	sig	chr3_43997948
chr1	44261653	44261653	+	3.837E-19	8.81106E-18	-0.26618	hypo	sig	chr1_44261653
chr2	6770396	6770396	+	3.844E-19	8.82696E-18	-0.23798	hypo	sig	chr2_6770396
chr3	1.58E+08	158094203	+	3.844E-19	8.82733E-18	0.239548	hyper	sig	chr3_158094203
chr3	1.93E+08	193255767	+	3.845E-19	8.82833E-18	-0.28626	hypo	sig	chr3_193255767
chr4	1405305	1405305	+	3.846E-19	8.83098E-18	0.356272	hyper	sig	chr4_1405305
chr19	50692090	50692090	+	3.851E-19	8.8421E-18	-0.35296	hypo	sig	chr19_50692090
chr5	50969896	50969896	+	3.86E-19	8.86182E-18	0.259362	hyper	sig	chr5_50969896
chr19	57709227	57709227	+	3.86E-19	8.86227E-18	0.268957	hyper	sig	chr19_57709227
chr6	84766513	84766513	+	3.861E-19	8.86377E-18	0.282774	hyper	sig	chr6_84766513
chr12	3491566	3491566	+	3.863E-19	8.86798E-18	0.233022	hyper	sig	chr12_3491566
chr10	1.3E+08	129886452	+	3.863E-19	8.86812E-18	-0.20683	hypo	sig	chr10_129886452
chr19	52536243	52536243	+	3.866E-19	8.87608E-18	0.2281	hyper	sig	chr19_52536243
chr8	66432490	66432490	+	3.868E-19	8.87886E-18	0.255999	hyper	sig	chr8_66432490
chr19	36838764	36838764	+	3.878E-19	8.90105E-18	0.225729	hyper	sig	chr19_36838764
chr13	1.08E+08	107868622	+	3.883E-19	8.91281E-18	0.284352	hyper	sig	chr13_107868622
chr1	6070707	6070707	+	3.888E-19	8.92342E-18	-0.22943	hypo	sig	chr1_6070707
chr22	38457594	38457594	+	3.888E-19	8.92378E-18	-0.23882	hypo	sig	chr22_38457594
chr7	1.17E+08	116716732	+	3.893E-19	8.934E-18	-0.33554	hypo	sig	chr7_116716732
chr13	1.1E+08	109782120	+	3.893E-19	8.93466E-18	-0.34233	hypo	sig	chr13_109782120
chr19	51949064	51949064	+	3.893E-19	8.93466E-18	0.232531	hyper	sig	chr19_51949064
chr19	52492858	52492858	+	3.893E-19	8.93481E-18	0.252729	hyper	sig	chr19_52492858
chr17	81125985	81125985	+	3.894E-19	8.93725E-18	-0.20045	hypo	sig	chr17_81125985
chr17	6638438	6638438	+	3.899E-19	8.94781E-18	-0.21221	hypo	sig	chr17_6638438
chr17	42571678	42571678	+	3.901E-19	8.9525E-18	-0.22152	hypo	sig	chr17_42571678
chr5	73382301	73382301	+	3.906E-19	8.96231E-18	0.25641	hyper	sig	chr5_73382301
chr8	64587552	64587552	+	3.917E-19	8.9863E-18	0.230752	hyper	sig	chr8_64587552
chr19	58350677	58350677	+	3.917E-19	8.98756E-18	0.224699	hyper	sig	chr19_58350677
chr14	60506744	60506744	+	3.919E-19	8.99051E-18	0.248799	hyper	sig	chr14_60506744
chr12	1795545	1795545	+	3.925E-19	9.00385E-18	-0.24501	hypo	sig	chr12_1795545
chr2	1.3E+08	130037830	+	3.927E-19	9.00942E-18	0.254382	hyper	sig	chr2_130037830
chr1	42887004	42887004	+	3.931E-19	9.018E-18	-0.32139	hypo	sig	chr1_42887004
chr13	27269553	27269553	+	3.935E-19	9.02697E-18	-0.22415	hypo	sig	chr13_27269553
chr8	1163749	1163749	+	3.967E-19	9.09908E-18	0.25584	hyper	sig	chr8_1163749
chr5	10562980	10562980	+	3.972E-19	9.11046E-18	0.259386	hyper	sig	chr5_10562980
chr7	19144833	19144833	+	3.975E-19	9.11635E-18	0.240556	hyper	sig	chr7_19144833
chr10	1.05E+08	104643160	+	3.979E-19	9.12577E-18	0.21674	hyper	sig	chr10_104643160
chr11	1908225	1908225	+	3.993E-19	9.15572E-18	-0.29948	hypo	sig	chr11_1908225
chr9	95086007	95086007	+	4.006E-19	9.18592E-18	-0.21637	hypo	sig	chr9_95086007
chr12	53960438	53960438	+	4.013E-19	9.20084E-18	0.220533	hyper	sig	chr12_53960438
chr22	17370756	17370756	+	4.016E-19	9.20776E-18	0.236355	hyper	sig	chr22_17370756
chr17	66676087	66676087	+	4.019E-19	9.21343E-18	-0.21692	hypo	sig	chr17_66676087
chr19	56368049	56368049	+	4.023E-19	9.22339E-18	0.258475	hyper	sig	chr19_56368049
chr9	21031787	21031787	+	4.029E-19	9.23631E-18	0.312676	hyper	sig	chr9_21031787
chr6	1.37E+08	137045232	+	4.035E-19	9.24835E-18	-0.22664	hypo	sig	chr6_137045232
chr14	24171868	24171868	+	4.035E-19	9.24946E-18	0.216416	hyper	sig	chr14_24171868
chr5	19988026	19988026	+	4.04E-19	9.2586E-18	0.253937	hyper	sig	chr5_19988026

chr5	37838533	37838533	+	4.04E-19	9.26034E-18	0.229487	hyper	sig	chr5_37838533
chr5	42994096	42994096	+	4.043E-19	9.26459E-18	0.290394	hyper	sig	chr5_42994096
chr10	1.18E+08	117551948	+	4.046E-19	9.27231E-18	0.209662	hyper	sig	chr10_117551948
chr1	981743	981743	+	4.048E-19	9.27651E-18	-0.20004	hypo	sig	chr1_981743
chr17	82715787	82715787	+	4.049E-19	9.27849E-18	-0.22546	hypo	sig	chr17_82715787
chr11	40293860	40293860	+	4.051E-19	9.28289E-18	0.230083	hyper	sig	chr11_40293860
chr1	1.19E+08	118980277	+	4.052E-19	9.28576E-18	0.350653	hyper	sig	chr1_118980277
chr4	13528510	13528510	+	4.056E-19	9.29354E-18	0.296849	hyper	sig	chr4_13528510
chr19	17751208	17751208	+	4.056E-19	9.29445E-18	-0.20148	hypo	sig	chr19_17751208
chr1	1.19E+08	118983854	+	4.065E-19	9.31339E-18	0.247349	hyper	sig	chr1_118983854
chr5	1.41E+08	141100399	+	4.073E-19	9.33098E-18	0.251691	hyper	sig	chr5_141100399
chr12	1.14E+08	114439338	+	4.076E-19	9.33937E-18	0.240035	hyper	sig	chr12_114439338
chr3	1.35E+08	134651248	+	4.079E-19	9.34574E-18	0.205963	hyper	sig	chr3_134651248
chr19	1762494	1762494	+	4.08E-19	9.34584E-18	0.249886	hyper	sig	chr19_1762494
chr8	23707585	23707585	+	4.093E-19	9.37644E-18	0.282084	hyper	sig	chr8_23707585
chr13	24932139	24932139	+	4.104E-19	9.40073E-18	0.209157	hyper	sig	chr13_24932139
chr5	55223273	55223273	+	4.106E-19	9.40538E-18	0.274601	hyper	sig	chr5_55223273
chr19	30451021	30451021	+	4.109E-19	9.41281E-18	0.219252	hyper	sig	chr19_30451021
chr5	1.41E+08	141234523	+	4.11E-19	9.41351E-18	0.244929	hyper	sig	chr5_141234523
chr19	9498624	9498624	+	4.116E-19	9.42774E-18	0.262063	hyper	sig	chr19_9498624
chr16	31569645	31569645	+	4.119E-19	9.43317E-18	0.311303	hyper	sig	chr16_31569645
chr22	26169991	26169991	+	4.126E-19	9.44903E-18	0.233137	hyper	sig	chr22_26169991
chr4	84503154	84503154	+	4.126E-19	9.44903E-18	0.220152	hyper	sig	chr4_84503154
chr5	73301888	73301888	+	4.126E-19	9.44903E-18	0.216085	hyper	sig	chr5_73301888
chr4	5890549	5890549	+	4.132E-19	9.46095E-18	0.273196	hyper	sig	chr4_5890549
chr16	2712641	2712641	+	4.139E-19	9.4768E-18	-0.23932	hypo	sig	chr16_2712641
chr13	78607148	78607148	+	4.139E-19	9.47724E-18	0.20174	hyper	sig	chr13_78607148
chr2	1.76E+08	176112997	+	4.14E-19	9.47952E-18	0.207544	hyper	sig	chr2_176112997
chr19	1993088	1993088	+	4.145E-19	9.48968E-18	-0.20673	hypo	sig	chr19_1993088
chr16	72961378	72961378	+	4.145E-19	9.49074E-18	-0.31437	hypo	sig	chr16_72961378
chr19	57709289	57709289	+	4.157E-19	9.5169E-18	0.231242	hyper	sig	chr19_57709289
chr2	2.18E+08	218391337	+	4.157E-19	9.51746E-18	-0.20215	hypo	sig	chr2_218391337
chr13	52847558	52847558	+	4.16E-19	9.52384E-18	0.298687	hyper	sig	chr13_52847558
chr11	67506952	67506952	+	4.168E-19	9.54167E-18	-0.20559	hypo	sig	chr11_67506952
chr14	56812441	56812441	+	4.179E-19	9.56487E-18	0.220108	hyper	sig	chr14_56812441
chr7	1.58E+08	157588333	+	4.18E-19	9.56633E-18	-0.29378	hypo	sig	chr7_157588333
chr1	53116179	53116179	+	4.191E-19	9.5921E-18	-0.26699	hypo	sig	chr1_53116179
chr8	71558903	71558903	+	4.193E-19	9.59709E-18	0.25662	hyper	sig	chr8_71558903
chr1	17522283	17522283	+	4.212E-19	9.6398E-18	-0.26819	hypo	sig	chr1_17522283
chr16	89052576	89052576	+	4.215E-19	9.64543E-18	-0.26357	hypo	sig	chr16_89052576
chr9	1.36E+08	136254777	+	4.217E-19	9.65044E-18	-0.26873	hypo	sig	chr9_136254777
chr12	1.1E+08	109606730	+	4.221E-19	9.6596E-18	-0.26679	hypo	sig	chr12_109606730
chr16	87278365	87278365	+	4.227E-19	9.67095E-18	-0.24077	hypo	sig	chr16_87278365
chr7	1.33E+08	132578342	+	4.228E-19	9.67384E-18	-0.29563	hypo	sig	chr7_132578342
chr19	22010738	22010738	+	4.232E-19	9.68235E-18	0.234804	hyper	sig	chr19_22010738
chr16	1007727	1007727	+	4.236E-19	9.69165E-18	-0.29061	hypo	sig	chr16_1007727
chr14	85529382	85529382	+	4.256E-19	9.73734E-18	0.209147	hyper	sig	chr14_85529382
chr5	1.23E+08	123095063	+	4.261E-19	9.74872E-18	0.228116	hyper	sig	chr5_123095063
chr15	89379365	89379365	+	4.262E-19	9.75037E-18	0.263404	hyper	sig	chr15_89379365
chr2	95025265	95025265	+	4.263E-19	9.75107E-18	0.285606	hyper	sig	chr2_95025265
chr1	2923319	2923319	+	4.266E-19	9.75725E-18	-0.20541	hypo	sig	chr1_2923319
chr1	6506125	6506125	+	4.27E-19	9.76689E-18	-0.25724	hypo	sig	chr1_6506125
chr15	37102930	37102930	+	4.275E-19	9.77879E-18	0.210776	hyper	sig	chr15_37102930
chr4	84497149	84497149	+	4.282E-19	9.79294E-18	0.212706	hyper	sig	chr4_84497149
chr6	10881760	10881760	+	4.293E-19	9.81793E-18	0.2344	hyper	sig	chr6_10881760
chr10	1.32E+08	132375433	+	4.299E-19	9.83217E-18	-0.24486	hypo	sig	chr10_132375433

chr8	68332051	68332051	+	4.319E-19	9.87486E-18	0.22107	hyper	sig	chr8_68332051
chr19	15511897	15511897	+	4.326E-19	9.89145E-18	-0.26869	hypo	sig	chr19_15511897
chr8	1.13E+08	113433675	+	4.33E-19	9.89948E-18	0.227887	hyper	sig	chr8_113433675
chr16	28904503	28904503	+	4.334E-19	9.90952E-18	0.209531	hyper	sig	chr16_28904503
chr7	97026266	97026266	+	4.345E-19	9.93329E-18	0.200914	hyper	sig	chr7_97026266
chr19	48837235	48837235	+	4.352E-19	9.94972E-18	0.233377	hyper	sig	chr19_48837235
chr12	1.3E+08	130456690	+	4.357E-19	9.95972E-18	-0.20827	hypo	sig	chr12_130456690
chr6	28816792	28816792	+	4.357E-19	9.95972E-18	0.212122	hyper	sig	chr6_28816792
chr4	1540697	1540697	+	4.367E-19	9.9828E-18	-0.26032	hypo	sig	chr4_1540697
chr3	68008177	68008177	+	4.37E-19	9.98941E-18	0.213979	hyper	sig	chr3_68008177
chr15	81118452	81118452	+	4.371E-19	9.98995E-18	0.213366	hyper	sig	chr15_81118452
chr2	394481	394481	+	4.382E-19	1.00159E-17	-0.22982	hypo	sig	chr2_394481
chr15	40128879	40128879	+	4.388E-19	1.00295E-17	-0.272	hypo	sig	chr15_40128879
chr17	83084987	83084987	+	4.391E-19	1.00353E-17	-0.20608	hypo	sig	chr17_83084987
chr10	1.01E+08	101226189	+	4.391E-19	1.00357E-17	0.254938	hyper	sig	chr10_101226189
chr7	44101794	44101794	+	4.393E-19	1.00391E-17	-0.29253	hypo	sig	chr7_44101794
chr4	41882529	41882529	+	4.406E-19	1.00685E-17	0.220372	hyper	sig	chr4_41882529
chr1	2.03E+08	203185337	+	4.416E-19	1.00918E-17	-0.20549	hypo	sig	chr1_203185337
chr12	1.14E+08	114447534	+	4.421E-19	1.01014E-17	0.209467	hyper	sig	chr12_114447534
chr7	20779267	20779267	+	4.425E-19	1.01112E-17	0.236489	hyper	sig	chr7_20779267
chr20	61950750	61950750	+	4.436E-19	1.01356E-17	-0.23833	hypo	sig	chr20_61950750
chr22	19569078	19569078	+	4.437E-19	1.01368E-17	-0.24716	hypo	sig	chr22_19569078
chr9	1.35E+08	135104440	+	4.443E-19	1.01512E-17	-0.21141	hypo	sig	chr9_135104440
chr11	528943	528943	+	4.456E-19	1.01798E-17	-0.21516	hypo	sig	chr11_528943
chr11	614855	614855	+	4.457E-19	1.01824E-17	-0.20187	hypo	sig	chr11_614855
chr6	1.68E+08	168101283	+	4.458E-19	1.01847E-17	0.217186	hyper	sig	chr6_168101283
chr4	1.66E+08	165874097	+	4.46E-19	1.01881E-17	0.245617	hyper	sig	chr4_165874097
chr13	1.14E+08	113650556	+	4.461E-19	1.01909E-17	-0.20142	hypo	sig	chr13_113650556
chr1	47433496	47433496	+	4.466E-19	1.02001E-17	0.308867	hyper	sig	chr1_47433496
chr5	1.41E+08	141360285	+	4.467E-19	1.02019E-17	0.219303	hyper	sig	chr5_141360285
chr12	62192486	62192486	+	4.472E-19	1.02143E-17	0.344366	hyper	sig	chr12_62192486
chr13	64958449	64958449	+	4.475E-19	1.02196E-17	-0.30543	hypo	sig	chr13_64958449
chr2	66439601	66439601	+	4.476E-19	1.02214E-17	0.24635	hyper	sig	chr2_66439601
chr16	55331884	55331884	+	4.481E-19	1.02323E-17	0.301007	hyper	sig	chr16_55331884
chr2	2.38E+08	238108508	+	4.487E-19	1.02462E-17	-0.25711	hypo	sig	chr2_238108508
chr10	1.24E+08	123974450	+	4.489E-19	1.02506E-17	-0.26919	hypo	sig	chr10_123974450
chr11	1882083	1882083	+	4.5E-19	1.02734E-17	-0.22376	hypo	sig	chr11_1882083
chr1	6466159	6466159	+	4.509E-19	1.02942E-17	0.252085	hyper	sig	chr1_6466159
chr20	63191077	63191077	+	4.511E-19	1.02985E-17	-0.22516	hypo	sig	chr20_63191077
chr5	2754694	2754694	+	4.512E-19	1.03006E-17	0.208996	hyper	sig	chr5_2754694
chr6	1.46E+08	146434492	+	4.516E-19	1.0308E-17	0.262166	hyper	sig	chr6_146434492
chr8	1.44E+08	144074319	+	4.518E-19	1.03121E-17	-0.30733	hypo	sig	chr8_144074319
chr10	1.33E+08	133365271	+	4.52E-19	1.03184E-17	-0.24482	hypo	sig	chr10_133365271
chr13	1.12E+08	112345434	+	4.529E-19	1.03367E-17	-0.23669	hypo	sig	chr13_112345434
chr2	71720799	71720799	+	4.54E-19	1.03624E-17	-0.22814	hypo	sig	chr2_71720799
chr4	1.47E+08	146637083	+	4.543E-19	1.03683E-17	0.260404	hyper	sig	chr4_146637083
chr2	98347713	98347713	+	4.546E-19	1.03754E-17	0.290148	hyper	sig	chr2_98347713
chr4	1.47E+08	146637405	+	4.557E-19	1.03989E-17	0.248194	hyper	sig	chr4_146637405
chr11	20208762	20208762	+	4.579E-19	1.04498E-17	0.216637	hyper	sig	chr11_20208762
chr16	56190596	56190596	+	4.6E-19	1.04967E-17	0.202418	hyper	sig	chr16_56190596
chr8	1.43E+08	142879736	+	4.606E-19	1.05095E-17	-0.22472	hypo	sig	chr8_142879736
chr11	1048540	1048540	+	4.615E-19	1.05305E-17	-0.228	hypo	sig	chr11_1048540
chr17	15917776	15917776	+	4.616E-19	1.05322E-17	0.32164	hyper	sig	chr17_15917776
chr10	43667333	43667333	+	4.619E-19	1.05387E-17	0.230833	hyper	sig	chr10_43667333
chr5	77643758	77643758	+	4.619E-19	1.0539E-17	0.204804	hyper	sig	chr5_77643758
chr20	49479903	49479903	+	4.63E-19	1.05632E-17	-0.31518	hypo	sig	chr20_49479903

chr5	1.69E+08	169301534	+	4.632E-19	1.0568E-17	0.214789	hyper	sig	chr5_169301534
chr13	23127834	23127834	+	4.635E-19	1.05725E-17	-0.3254	hypo	sig	chr13_23127834
chr2	2.19E+08	219362700	+	4.65E-19	1.0608E-17	-0.25322	hypo	sig	chr2_219362700
chr4	10461966	10461966	+	4.652E-19	1.06113E-17	0.233498	hyper	sig	chr4_10461966
chr6	1.7E+08	170281474	+	4.667E-19	1.06449E-17	-0.20531	hypo	sig	chr6_170281474
chr6	36285265	36285265	+	4.669E-19	1.06483E-17	0.238508	hyper	sig	chr6_36285265
chr1	1.57E+08	156845783	+	4.679E-19	1.06713E-17	0.217269	hyper	sig	chr1_156845783
chr5	1.29E+08	128537894	+	4.688E-19	1.06906E-17	0.207449	hyper	sig	chr5_128537894
chr5	1.67E+08	166784685	+	4.688E-19	1.06909E-17	-0.27887	hypo	sig	chr5_166784685
chr4	13535367	13535367	+	4.691E-19	1.06965E-17	0.202749	hyper	sig	chr4_13535367
chr1	1.81E+08	181318597	+	4.712E-19	1.07436E-17	0.21674	hyper	sig	chr1_181318597
chr18	55779927	55779927	+	4.715E-19	1.07492E-17	0.268011	hyper	sig	chr18_55779927
chr10	99531338	99531338	+	4.719E-19	1.07592E-17	0.264633	hyper	sig	chr10_99531338
chr4	1.84E+08	184268170	+	4.72E-19	1.07605E-17	-0.3056	hypo	sig	chr4_184268170
chr17	16683724	16683724	+	4.722E-19	1.07638E-17	0.227134	hyper	sig	chr17_16683724
chr19	17286870	17286870	+	4.727E-19	1.07761E-17	-0.3114	hypo	sig	chr19_17286870
chr6	1.7E+08	170244256	+	4.736E-19	1.07943E-17	-0.20685	hypo	sig	chr6_170244256
chr5	3606450	3606450	+	4.738E-19	1.07985E-17	0.232531	hyper	sig	chr5_3606450
chr17	847501	847501	+	4.746E-19	1.08171E-17	-0.20288	hypo	sig	chr17_847501
chr17	50611889	50611889	+	4.751E-19	1.08295E-17	-0.20246	hypo	sig	chr17_50611889
chr1	12129790	12129790	+	4.761E-19	1.08498E-17	-0.21325	hypo	sig	chr1_12129790
chr19	57934916	57934916	+	4.769E-19	1.08689E-17	0.280705	hyper	sig	chr19_57934916
chr8	1.38E+08	138496562	+	4.774E-19	1.08791E-17	0.220723	hyper	sig	chr8_138496562
chr16	1035709	1035709	+	4.779E-19	1.08898E-17	-0.21916	hypo	sig	chr16_1035709
chr1	3227967	3227967	+	4.791E-19	1.09157E-17	-0.26393	hypo	sig	chr1_3227967
chr7	1.3E+08	130490934	+	4.799E-19	1.09342E-17	0.272159	hyper	sig	chr7_130490934
chr7	1.06E+08	106041491	+	4.8E-19	1.09348E-17	-0.22522	hypo	sig	chr7_106041491
chr4	3370158	3370158	+	4.802E-19	1.09408E-17	0.206222	hyper	sig	chr4_3370158
chr3	1.02E+08	101678088	+	4.804E-19	1.09448E-17	-0.25641	hypo	sig	chr3_101678088
chr1	3543804	3543804	+	4.805E-19	1.09468E-17	-0.22921	hypo	sig	chr1_3543804
chr8	20252034	20252034	+	4.805E-19	1.09468E-17	-0.23645	hypo	sig	chr8_20252034
chr11	30016345	30016345	+	4.807E-19	1.09495E-17	0.313959	hyper	sig	chr11_30016345
chr1	9652522	9652522	+	4.812E-19	1.09611E-17	0.208959	hyper	sig	chr1_9652522
chr4	1.64E+08	164383438	+	4.813E-19	1.09621E-17	0.318182	hyper	sig	chr4_164383438
chr1	1.44E+08	143839186	+	4.814E-19	1.09649E-17	0.253721	hyper	sig	chr1_143839186
chr18	73189	73189	+	4.819E-19	1.09749E-17	0.209311	hyper	sig	chr18_73189
chr14	60506737	60506737	+	4.834E-19	1.10091E-17	0.216731	hyper	sig	chr14_60506737
chr20	45097815	45097815	+	4.835E-19	1.1012E-17	0.214294	hyper	sig	chr20_45097815
chr10	1.02E+08	102240644	+	4.836E-19	1.10125E-17	0.22721	hyper	sig	chr10_102240644
chr5	1153679	1153679	+	4.836E-19	1.1013E-17	-0.24132	hypo	sig	chr5_1153679
chr8	25001573	25001573	+	4.856E-19	1.10567E-17	0.206841	hyper	sig	chr8_25001573
chr17	82321124	82321124	+	4.86E-19	1.1065E-17	-0.26059	hypo	sig	chr17_82321124
chr17	74257363	74257363	+	4.86E-19	1.10659E-17	-0.32006	hypo	sig	chr17_74257363
chr5	1.41E+08	140672398	+	4.873E-19	1.10956E-17	-0.25558	hypo	sig	chr5_140672398
chr16	86507879	86507879	+	4.883E-19	1.11175E-17	0.217563	hyper	sig	chr16_86507879
chr7	56229947	56229947	+	4.886E-19	1.11236E-17	0.236526	hyper	sig	chr7_56229947
chr21	46597319	46597319	+	4.887E-19	1.11248E-17	-0.23516	hypo	sig	chr21_46597319
chr15	52787358	52787358	+	4.91E-19	1.11784E-17	0.218073	hyper	sig	chr15_52787358
chr13	1.14E+08	113650572	+	4.912E-19	1.11824E-17	-0.20491	hypo	sig	chr13_113650572
chr5	1.46E+08	146379248	+	4.919E-19	1.11974E-17	0.220127	hyper	sig	chr5_146379248
chr12	1.32E+08	132475608	+	4.92E-19	1.11995E-17	-0.25483	hypo	sig	chr12_132475608
chr17	76000102	76000102	+	4.925E-19	1.121E-17	-0.25616	hypo	sig	chr17_76000102
chr4	1348990	1348990	+	4.926E-19	1.12125E-17	-0.21623	hypo	sig	chr4_1348990
chr8	1.44E+08	144050382	+	4.929E-19	1.12195E-17	0.229073	hyper	sig	chr8_144050382
chr7	1.37E+08	136869935	+	4.931E-19	1.12234E-17	0.307596	hyper	sig	chr7_136869935
chr20	23044512	23044512	+	4.934E-19	1.12288E-17	-0.23791	hypo	sig	chr20_23044512

chr1	1.47E+08	147078526	+	4.936E-19	1.1232E-17	0.230362	hyper	sig	chr1_147078526
chr17	58154996	58154996	+	4.937E-19	1.12352E-17	-0.2468	hypo	sig	chr17_58154996
chr19	53058212	53058212	+	4.938E-19	1.12365E-17	0.345665	hyper	sig	chr19_53058212
chr18	57439193	57439193	+	4.948E-19	1.12597E-17	0.251247	hyper	sig	chr18_57439193
chr5	1.71E+08	171315349	+	4.953E-19	1.12709E-17	0.201273	hyper	sig	chr5_171315349
chr4	6116716	6116716	+	4.958E-19	1.12806E-17	-0.2475	hypo	sig	chr4_6116716
chr2	2.39E+08	238890994	+	4.964E-19	1.12935E-17	-0.23014	hypo	sig	chr2_238890994
chr21	33020114	33020114	+	4.969E-19	1.13054E-17	0.211606	hyper	sig	chr21_33020114
chr3	87089319	87089319	+	4.969E-19	1.13055E-17	0.215902	hyper	sig	chr3_87089319
chr15	89427637	89427637	+	4.989E-19	1.13495E-17	-0.22836	hypo	sig	chr15_89427637
chr7	44962187	44962187	+	4.991E-19	1.13535E-17	-0.23248	hypo	sig	chr7_44962187
chr1	58246366	58246366	+	4.993E-19	1.13577E-17	-0.33126	hypo	sig	chr1_58246366
chr6	32079572	32079572	+	4.995E-19	1.13621E-17	-0.21983	hypo	sig	chr6_32079572
chr6	1.33E+08	133263051	+	5.007E-19	1.13892E-17	-0.30384	hypo	sig	chr6_133263051
chr7	1.43E+08	142864251	+	5.021E-19	1.14191E-17	-0.28093	hypo	sig	chr7_142864251
chr1	10672058	10672058	+	5.021E-19	1.14192E-17	0.225972	hyper	sig	chr1_10672058
chr11	865732	865732	+	5.029E-19	1.1438E-17	-0.20489	hypo	sig	chr11_865732
chr3	1.82E+08	181725306	+	5.044E-19	1.14703E-17	0.31342	hyper	sig	chr3_181725306
chr5	1.32E+08	132271379	+	5.045E-19	1.14722E-17	-0.22267	hypo	sig	chr5_132271379
chr3	47010012	47010012	+	5.045E-19	1.14728E-17	0.31083	hyper	sig	chr3_47010012
chr11	4212258	4212258	+	5.051E-19	1.14852E-17	0.28604	hyper	sig	chr11_4212258
chr4	963778	963778	+	5.052E-19	1.14865E-17	-0.20163	hypo	sig	chr4_963778
chr4	3772088	3772088	+	5.061E-19	1.15078E-17	-0.21185	hypo	sig	chr4_3772088
chr8	32647263	32647263	+	5.086E-19	1.15634E-17	0.309637	hyper	sig	chr8_32647263
chr1	2.28E+08	228058972	+	5.087E-19	1.15657E-17	0.223407	hyper	sig	chr1_228058972
chr12	85273673	85273673	+	5.089E-19	1.1569E-17	0.222196	hyper	sig	chr12_85273673
chr8	1.41E+08	141395161	+	5.096E-19	1.15864E-17	-0.2121	hypo	sig	chr8_141395161
chr19	15010779	15010779	+	5.112E-19	1.16221E-17	0.261636	hyper	sig	chr19_15010779
chr6	27582912	27582912	+	5.114E-19	1.16261E-17	0.218213	hyper	sig	chr6_27582912
chr12	1.13E+08	113137323	+	5.124E-19	1.16488E-17	-0.26067	hypo	sig	chr12_113137323
chr4	1.72E+08	171813067	+	5.124E-19	1.16488E-17	0.26903	hyper	sig	chr4_171813067
chr4	3341034	3341034	+	5.129E-19	1.1659E-17	-0.22157	hypo	sig	chr4_3341034
chr13	1.12E+08	112057753	+	5.132E-19	1.16639E-17	0.255998	hyper	sig	chr13_112057753
chr2	66439609	66439609	+	5.14E-19	1.16837E-17	0.256528	hyper	sig	chr2_66439609
chr19	53942643	53942643	+	5.159E-19	1.1725E-17	0.343753	hyper	sig	chr19_53942643
chr13	50127824	50127824	+	5.161E-19	1.17295E-17	0.252131	hyper	sig	chr13_50127824
chr4	13543647	13543647	+	5.162E-19	1.17309E-17	0.219923	hyper	sig	chr4_13543647
chr22	49987778	49987778	+	5.204E-19	1.18256E-17	-0.3453	hypo	sig	chr22_49987778
chr3	1.92E+08	192408897	+	5.213E-19	1.18439E-17	0.227311	hyper	sig	chr3_192408897
chr17	77373857	77373857	+	5.217E-19	1.18544E-17	0.267004	hyper	sig	chr17_77373857
chr20	46174976	46174976	+	5.225E-19	1.187E-17	0.215419	hyper	sig	chr20_46174976
chr3	52779857	52779857	+	5.227E-19	1.18751E-17	-0.22343	hypo	sig	chr3_52779857
chr17	4785452	4785452	+	5.245E-19	1.19144E-17	0.228819	hyper	sig	chr17_4785452
chr13	1.11E+08	111328379	+	5.256E-19	1.19376E-17	-0.29439	hypo	sig	chr13_111328379
chr3	1.47E+08	147392611	+	5.268E-19	1.19649E-17	0.249368	hyper	sig	chr3_147392611
chr20	63178433	63178433	+	5.272E-19	1.19733E-17	0.211073	hyper	sig	chr20_63178433
chr1	18631899	18631899	+	5.275E-19	1.19797E-17	0.20446	hyper	sig	chr1_18631899
chr10	71805813	71805813	+	5.277E-19	1.19824E-17	-0.25632	hypo	sig	chr10_71805813
chr14	28774979	28774979	+	5.279E-19	1.19861E-17	0.220337	hyper	sig	chr14_28774979
chr16	57529506	57529506	+	5.285E-19	1.20002E-17	-0.21617	hypo	sig	chr16_57529506
chr10	49612560	49612560	+	5.29E-19	1.20099E-17	0.236737	hyper	sig	chr10_49612560
chr16	1482449	1482449	+	5.29E-19	1.20099E-17	-0.28837	hypo	sig	chr16_1482449
chr12	53938917	53938917	+	5.298E-19	1.20259E-17	0.225522	hyper	sig	chr12_53938917
chr8	84183499	84183499	+	5.315E-19	1.20626E-17	0.418365	hyper	sig	chr8_84183499
chr11	8811409	8811409	+	5.323E-19	1.20817E-17	-0.20754	hypo	sig	chr11_8811409
chr1	2.29E+08	229407326	+	5.337E-19	1.21108E-17	0.250753	hyper	sig	chr1_229407326

chr16	54290237	54290237	+	5.337E-19	1.21108E-17	0.241817	hyper	sig	chr16_54290237
chr3	1.47E+08	147411987	+	5.343E-19	1.21253E-17	0.245479	hyper	sig	chr3_147411987
chr1	2339035	2339035	+	5.356E-19	1.21549E-17	-0.20848	hypo	sig	chr1_2339035
chr19	37467835	37467835	+	5.361E-19	1.21656E-17	0.231291	hyper	sig	chr19_37467835
chr22	39570080	39570080	+	5.372E-19	1.21903E-17	-0.20714	hypo	sig	chr22_39570080
chr14	56811389	56811389	+	5.375E-19	1.21952E-17	0.228664	hyper	sig	chr14_56811389
chr7	30681895	30681895	+	5.38E-19	1.2206E-17	0.236906	hyper	sig	chr7_30681895
chr20	61895001	61895001	+	5.383E-19	1.22126E-17	-0.2116	hypo	sig	chr20_61895001
chr1	1.19E+08	118979356	+	5.386E-19	1.22191E-17	0.224327	hyper	sig	chr1_118979356
chr19	48740159	48740159	+	5.392E-19	1.22333E-17	-0.22616	hypo	sig	chr19_48740159
chr20	56925614	56925614	+	5.396E-19	1.22409E-17	0.212172	hyper	sig	chr20_56925614
chr10	81873674	81873674	+	5.403E-19	1.22565E-17	0.314554	hyper	sig	chr10_81873674
chr11	1.08E+08	107592171	+	5.418E-19	1.22897E-17	0.268931	hyper	sig	chr11_107592171
chr1	1.22E+08	121519804	+	5.419E-19	1.22919E-17	0.261926	hyper	sig	chr1_121519804
chr2	468252	468252	+	5.43E-19	1.23153E-17	0.218256	hyper	sig	chr2_468252
chr5	958180	958180	+	5.441E-19	1.23405E-17	-0.23855	hypo	sig	chr5_958180
chr2	29920124	29920124	+	5.447E-19	1.2354E-17	0.294025	hyper	sig	chr2_29920124
chr21	26845351	26845351	+	5.452E-19	1.23644E-17	0.222062	hyper	sig	chr21_26845351
chr15	65396906	65396906	+	5.486E-19	1.24411E-17	0.22723	hyper	sig	chr15_65396906
chr12	1.32E+08	132187300	+	5.5E-19	1.24723E-17	-0.24596	hypo	sig	chr12_132187300
chr6	1.68E+08	168410601	+	5.505E-19	1.24828E-17	-0.23782	hypo	sig	chr6_168410601
chr18	47260559	47260559	+	5.511E-19	1.24945E-17	0.232968	hyper	sig	chr18_47260559
chr5	3602046	3602046	+	5.511E-19	1.24945E-17	0.324814	hyper	sig	chr5_3602046
chr15	31483232	31483232	+	5.514E-19	1.25012E-17	0.252102	hyper	sig	chr15_31483232
chr10	25935044	25935044	+	5.549E-19	1.2579E-17	0.257871	hyper	sig	chr10_25935044
chr8	26049835	26049835	+	5.549E-19	1.2579E-17	0.211944	hyper	sig	chr8_26049835
chr1	1.15E+08	115287079	+	5.556E-19	1.2595E-17	-0.21357	hypo	sig	chr1_115287079
chr22	41288702	41288702	+	5.57E-19	1.26251E-17	-0.28218	hypo	sig	chr22_41288702
chr20	63006019	63006019	+	5.572E-19	1.26304E-17	0.211437	hyper	sig	chr20_63006019
chr1	57423372	57423372	+	5.573E-19	1.26318E-17	0.250934	hyper	sig	chr1_57423372
chr17	48582633	48582633	+	5.577E-19	1.26394E-17	-0.22702	hypo	sig	chr17_48582633
chr19	21851894	21851894	+	5.581E-19	1.26485E-17	0.201499	hyper	sig	chr19_21851894
chr2	20671325	20671325	+	5.582E-19	1.26503E-17	0.265027	hyper	sig	chr2_20671325
chr1	1210468	1210468	+	5.587E-19	1.266E-17	-0.21722	hypo	sig	chr1_1210468
chr12	75207740	75207740	+	5.607E-19	1.27055E-17	0.283352	hyper	sig	chr12_75207740
chr3	27723969	27723969	+	5.608E-19	1.27062E-17	0.227277	hyper	sig	chr3_27723969
chr7	1E+08	100177869	+	5.615E-19	1.27232E-17	0.205301	hyper	sig	chr7_100177869
chr7	6871420	6871420	+	5.644E-19	1.27866E-17	-0.24714	hypo	sig	chr7_6871420
chr5	38557454	38557454	+	5.647E-19	1.27921E-17	0.222708	hyper	sig	chr5_38557454
chr13	1.13E+08	113405924	+	5.665E-19	1.28336E-17	-0.25464	hypo	sig	chr13_113405924
chr1	1.1E+08	109636505	+	5.671E-19	1.28466E-17	-0.31023	hypo	sig	chr1_109636505
chr13	29505382	29505382	+	5.674E-19	1.28509E-17	-0.23671	hypo	sig	chr13_29505382
chr20	51558950	51558950	+	5.689E-19	1.28852E-17	-0.22794	hypo	sig	chr20_51558950
chr20	18813602	18813602	+	5.7E-19	1.29091E-17	-0.22146	hypo	sig	chr20_18813602
chr11	1.33E+08	132943712	+	5.702E-19	1.29115E-17	0.233697	hyper	sig	chr11_132943712
chr13	35475651	35475651	+	5.723E-19	1.29577E-17	0.222485	hyper	sig	chr13_35475651
chr6	50850505	50850505	+	5.724E-19	1.29594E-17	0.208438	hyper	sig	chr6_50850505
chr7	1.51E+08	151254375	+	5.725E-19	1.29618E-17	-0.23063	hypo	sig	chr7_151254375
chr6	18123018	18123018	+	5.727E-19	1.29643E-17	-0.21073	hypo	sig	chr6_18123018
chr2	1E+08	100292175	+	5.729E-19	1.29702E-17	-0.29479	hypo	sig	chr2_100292175
chr1	92480560	92480560	+	5.734E-19	1.29789E-17	0.204675	hyper	sig	chr1_92480560
chr2	479084	479084	+	5.739E-19	1.29902E-17	-0.26781	hypo	sig	chr2_479084
chr2	1.3E+08	130005931	+	5.745E-19	1.30046E-17	0.230933	hyper	sig	chr2_130005931
chr5	1.41E+08	141236923	+	5.755E-19	1.30264E-17	0.247408	hyper	sig	chr5_141236923
chr17	79467505	79467505	+	5.756E-19	1.3027E-17	-0.20373	hypo	sig	chr17_79467505
chr5	93573363	93573363	+	5.769E-19	1.30571E-17	0.22624	hyper	sig	chr5_93573363

chr20	21515437	21515437	+	5.772E-19	1.30642E-17	0.280135	hyper	sig	chr20_21515437
chr11	1025105	1025105	+	5.807E-19	1.31415E-17	-0.21463	hypo	sig	chr11_1025105
chr19	56671710	56671710	+	5.816E-19	1.31593E-17	0.249191	hyper	sig	chr19_56671710
chr3	62371105	62371105	+	5.821E-19	1.31712E-17	0.295033	hyper	sig	chr3_62371105
chr4	61200695	61200695	+	5.827E-19	1.31832E-17	0.320757	hyper	sig	chr4_61200695
chr10	59177106	59177106	+	5.837E-19	1.32058E-17	0.206799	hyper	sig	chr10_59177106
chr5	1.73E+08	173234101	+	5.842E-19	1.32153E-17	0.226162	hyper	sig	chr5_173234101
chr20	38677043	38677043	+	5.848E-19	1.32282E-17	-0.29977	hypo	sig	chr20_38677043
chr1	6465943	6465943	+	5.855E-19	1.32444E-17	0.274593	hyper	sig	chr1_6465943
chr1	17149598	17149598	+	5.856E-19	1.32459E-17	0.233538	hyper	sig	chr1_17149598
chr12	1.15E+08	114687168	+	5.863E-19	1.32621E-17	0.205979	hyper	sig	chr12_114687168
chr2	80322643	80322643	+	5.866E-19	1.32667E-17	0.263882	hyper	sig	chr2_80322643
chr3	196617	196617	+	5.874E-19	1.32856E-17	0.268437	hyper	sig	chr3_196617
chr1	1.57E+08	156846059	+	5.875E-19	1.32875E-17	0.254596	hyper	sig	chr1_156846059
chr4	1.74E+08	173518753	+	5.876E-19	1.32897E-17	0.266263	hyper	sig	chr4_173518753
chr10	49613510	49613510	+	5.885E-19	1.33087E-17	0.267126	hyper	sig	chr10_49613510
chr10	1.3E+08	129966167	+	5.887E-19	1.33118E-17	0.224083	hyper	sig	chr10_129966167
chr13	36432592	36432592	+	5.897E-19	1.33338E-17	0.271068	hyper	sig	chr13_36432592
chr12	1.32E+08	132187033	+	5.903E-19	1.33479E-17	-0.22974	hypo	sig	chr12_132187033
chr4	10458405	10458405	+	5.914E-19	1.3371E-17	-0.24869	hypo	sig	chr4_10458405
chr18	13827784	13827784	+	5.932E-19	1.34111E-17	-0.22924	hypo	sig	chr18_13827784
chr16	555347	555347	+	5.934E-19	1.34152E-17	-0.24338	hypo	sig	chr16_555347
chr13	1.12E+08	112053491	+	5.947E-19	1.3443E-17	0.2202	hyper	sig	chr13_112053491
chr5	1.29E+08	128537621	+	5.953E-19	1.34571E-17	0.203221	hyper	sig	chr5_128537621
chr14	28263155	28263155	+	5.971E-19	1.3498E-17	-0.23682	hypo	sig	chr14_28263155
chr13	1.1E+08	109744512	+	5.977E-19	1.35111E-17	-0.32048	hypo	sig	chr13_109744512
chr19	50692129	50692129	+	5.978E-19	1.35118E-17	-0.248	hypo	sig	chr19_50692129
chr2	2.32E+08	232415861	+	5.984E-19	1.35253E-17	-0.22046	hypo	sig	chr2_232415861
chr11	71610453	71610453	+	5.997E-19	1.3553E-17	-0.26932	hypo	sig	chr11_71610453
chr13	40534656	40534656	+	5.997E-19	1.3553E-17	-0.28495	hypo	sig	chr13_40534656
chr16	3183996	3183996	+	6.009E-19	1.35795E-17	0.286902	hyper	sig	chr16_3183996
chr5	63960446	63960446	+	6.028E-19	1.36227E-17	0.25033	hyper	sig	chr5_63960446
chr12	29782965	29782965	+	6.03E-19	1.36271E-17	0.270891	hyper	sig	chr12_29782965
chr10	1.32E+08	132232684	+	6.054E-19	1.36772E-17	-0.22451	hypo	sig	chr10_132232684
chr5	2749684	2749684	+	6.058E-19	1.3686E-17	0.259877	hyper	sig	chr5_2749684
chr3	75671018	75671018	+	6.059E-19	1.36883E-17	0.231099	hyper	sig	chr3_75671018
chr14	74239283	74239283	+	6.067E-19	1.37054E-17	0.203098	hyper	sig	chr14_74239283
chr12	1.17E+08	117045251	+	6.073E-19	1.3719E-17	0.221941	hyper	sig	chr12_117045251
chr4	1.47E+08	146637080	+	6.074E-19	1.37208E-17	0.249699	hyper	sig	chr4_146637080
chr19	12195078	12195078	+	6.081E-19	1.37353E-17	0.294221	hyper	sig	chr19_12195078
chr1	1.11E+08	111271194	+	6.081E-19	1.37354E-17	0.262078	hyper	sig	chr1_111271194
chr7	1.29E+08	128511920	+	6.096E-19	1.37682E-17	-0.26314	hypo	sig	chr7_128511920
chr7	5781940	5781940	+	6.099E-19	1.37729E-17	-0.29233	hypo	sig	chr7_5781940
chr13	25096021	25096021	+	6.102E-19	1.37814E-17	0.249558	hyper	sig	chr13_25096021
chr9	5186094	5186094	+	6.103E-19	1.3782E-17	-0.30346	hypo	sig	chr9_5186094
chr6	33125332	33125332	+	6.118E-19	1.38166E-17	-0.23955	hypo	sig	chr6_33125332
chr4	1.83E+08	182805719	+	6.12E-19	1.38201E-17	-0.20692	hypo	sig	chr4_182805719
chr3	1.58E+08	158102836	+	6.131E-19	1.38426E-17	0.216718	hyper	sig	chr3_158102836
chr3	1.41E+08	141067332	+	6.138E-19	1.38596E-17	-0.29212	hypo	sig	chr3_141067332
chr2	2.28E+08	228181708	+	6.141E-19	1.38643E-17	0.231735	hyper	sig	chr2_228181708
chr18	79419832	79419832	+	6.145E-19	1.38746E-17	-0.21636	hypo	sig	chr18_79419832
chr19	56665138	56665138	+	6.151E-19	1.38882E-17	-0.26607	hypo	sig	chr19_56665138
chr6	10841421	10841421	+	6.152E-19	1.38885E-17	-0.29661	hypo	sig	chr6_10841421
chr20	56344238	56344238	+	6.162E-19	1.39106E-17	0.204501	hyper	sig	chr20_56344238
chr1	12143543	12143543	+	6.163E-19	1.3912E-17	-0.22218	hypo	sig	chr1_12143543
chr3	1.13E+08	113441581	+	6.166E-19	1.39182E-17	0.211111	hyper	sig	chr3_113441581

chr16	51153955	51153955	+	6.167E-19	1.39203E-17	0.253707	hyper	sig	chr16_51153955
chr1	1.19E+08	119008360	+	6.171E-19	1.39293E-17	0.231807	hyper	sig	chr1_119008360
chr1	1.61E+08	161139697	+	6.172E-19	1.39309E-17	-0.32901	hypo	sig	chr1_161139697
chr16	56611141	56611141	+	6.176E-19	1.39401E-17	0.261739	hyper	sig	chr16_56611141
chr10	35608022	35608022	+	6.18E-19	1.39474E-17	0.218738	hyper	sig	chr10_35608022
chr13	1.13E+08	113406029	+	6.18E-19	1.39485E-17	-0.22104	hypo	sig	chr13_113406029
chr5	38846367	38846367	+	6.186E-19	1.3961E-17	0.212865	hyper	sig	chr5_38846367
chr1	42887016	42887016	+	6.21E-19	1.40139E-17	-0.29565	hypo	sig	chr1_42887016
chr11	31825250	31825250	+	6.218E-19	1.40324E-17	0.231092	hyper	sig	chr11_31825250
chr7	1.01E+08	101299828	+	6.226E-19	1.40491E-17	0.302161	hyper	sig	chr7_101299828
chr5	88660022	88660022	+	6.227E-19	1.40493E-17	0.236002	hyper	sig	chr5_88660022
chr13	27793145	27793145	+	6.235E-19	1.40668E-17	0.356467	hyper	sig	chr13_27793145
chr2	1.12E+08	112187915	+	6.239E-19	1.40759E-17	-0.28674	hypo	sig	chr2_112187915
chr19	57099543	57099543	+	6.253E-19	1.41064E-17	0.290715	hyper	sig	chr19_57099543
chr16	1288195	1288195	+	6.255E-19	1.41098E-17	-0.27366	hypo	sig	chr16_1288195
chr7	42227784	42227784	+	6.259E-19	1.41182E-17	0.215516	hyper	sig	chr7_42227784
chr14	36504164	36504164	+	6.269E-19	1.41399E-17	0.200701	hyper	sig	chr14_36504164
chr7	6842539	6842539	+	6.279E-19	1.41624E-17	-0.20428	hypo	sig	chr7_6842539
chr11	1414244	1414244	+	6.297E-19	1.42021E-17	-0.24676	hypo	sig	chr11_1414244
chr3	42265360	42265360	+	6.3E-19	1.42083E-17	0.249228	hyper	sig	chr3_42265360
chr6	32070023	32070023	+	6.304E-19	1.42164E-17	-0.20561	hypo	sig	chr6_32070023
chr6	1.67E+08	166721664	+	6.31E-19	1.42305E-17	-0.24635	hypo	sig	chr6_166721664
chr16	62035882	62035882	+	6.315E-19	1.42414E-17	0.304824	hyper	sig	chr16_62035882
chr2	10548028	10548028	+	6.318E-19	1.42465E-17	-0.22117	hypo	sig	chr2_10548028
chr2	2.02E+08	202035760	+	6.333E-19	1.42791E-17	0.221287	hyper	sig	chr2_202035760
chr13	99497057	99497057	+	6.336E-19	1.42872E-17	-0.25686	hypo	sig	chr13_99497057
chr16	676777	676777	+	6.365E-19	1.43506E-17	-0.20701	hypo	sig	chr16_676777
chr5	1202334	1202334	+	6.379E-19	1.438E-17	-0.23836	hypo	sig	chr5_1202334
chr4	54094094	54094094	+	6.38E-19	1.43822E-17	0.307161	hyper	sig	chr4_54094094
chr12	53945167	53945167	+	6.384E-19	1.43905E-17	0.217345	hyper	sig	chr12_53945167
chr4	5890590	5890590	+	6.387E-19	1.43973E-17	0.260374	hyper	sig	chr4_5890590
chr2	1.76E+08	176112995	+	6.391E-19	1.4407E-17	0.214489	hyper	sig	chr2_176112995
chr8	52939768	52939768	+	6.393E-19	1.44101E-17	0.312823	hyper	sig	chr8_52939768
chr19	4566542	4566542	+	6.396E-19	1.44167E-17	-0.25325	hypo	sig	chr19_4566542
chr3	1.38E+08	137761247	+	6.403E-19	1.4433E-17	0.232738	hyper	sig	chr3_137761247
chr6	28443312	28443312	+	6.405E-19	1.44368E-17	0.27994	hyper	sig	chr6_28443312
chr10	1.01E+08	101218338	+	6.407E-19	1.44412E-17	0.240794	hyper	sig	chr10_101218338
chr4	3446270	3446270	+	6.412E-19	1.44502E-17	-0.26036	hypo	sig	chr4_3446270
chr5	1.41E+08	141121781	+	6.415E-19	1.44577E-17	0.214728	hyper	sig	chr5_141121781
chr7	56229871	56229871	+	6.421E-19	1.44695E-17	0.245083	hyper	sig	chr7_56229871
chr5	1.41E+08	141431413	+	6.431E-19	1.44911E-17	0.244524	hyper	sig	chr5_141431413
chr20	17227956	17227956	+	6.45E-19	1.45337E-17	0.254353	hyper	sig	chr20_17227956
chr12	53930745	53930745	+	6.452E-19	1.45366E-17	0.244004	hyper	sig	chr12_53930745
chr3	22372075	22372075	+	6.452E-19	1.45366E-17	0.22085	hyper	sig	chr3_22372075
chr6	1.7E+08	170162842	+	6.466E-19	1.45676E-17	-0.21532	hypo	sig	chr6_170162842
chr6	50723262	50723262	+	6.467E-19	1.4569E-17	0.254968	hyper	sig	chr6_50723262
chr1	1.47E+08	147078494	+	6.484E-19	1.46067E-17	0.240466	hyper	sig	chr1_147078494
chr4	1405506	1405506	+	6.494E-19	1.46282E-17	0.301798	hyper	sig	chr4_1405506
chr8	74985075	74985075	+	6.506E-19	1.46559E-17	0.218481	hyper	sig	chr8_74985075
chr15	96776681	96776681	+	6.508E-19	1.46586E-17	-0.2187	hypo	sig	chr15_96776681
chr19	11453707	11453707	+	6.513E-19	1.46705E-17	-0.20945	hypo	sig	chr19_11453707
chr1	1.61E+08	161472887	+	6.524E-19	1.46944E-17	-0.22584	hypo	sig	chr1_161472887
chr1	2.21E+08	220887551	+	6.525E-19	1.46963E-17	0.21933	hyper	sig	chr1_220887551
chr4	95547975	95547975	+	6.525E-19	1.46963E-17	0.210579	hyper	sig	chr4_95547975
chr22	43414376	43414376	+	6.527E-19	1.47015E-17	-0.29397	hypo	sig	chr22_43414376
chr16	1344117	1344117	+	6.539E-19	1.47269E-17	-0.21518	hypo	sig	chr16_1344117

chr15	24773032	24773032	+	6.562E-19	1.47775E-17	0.24382	hyper	sig	chr15_24773032
chr1	1.48E+08	148310008	+	6.583E-19	1.48259E-17	0.251735	hyper	sig	chr1_148310008
chr19	6818339	6818339	+	6.585E-19	1.48296E-17	-0.25532	hypo	sig	chr19_6818339
chr3	1.14E+08	114103649	+	6.591E-19	1.48419E-17	-0.22512	hypo	sig	chr3_114103649
chr11	17457847	17457847	+	6.597E-19	1.48558E-17	-0.20981	hypo	sig	chr11_17457847
chr4	785005	785005	+	6.609E-19	1.48808E-17	0.21341	hyper	sig	chr4_785005
chr6	5994294	5994294	+	6.613E-19	1.48894E-17	0.216891	hyper	sig	chr6_5994294
chr1	3484209	3484209	+	6.632E-19	1.49321E-17	-0.21528	hypo	sig	chr1_3484209
chr6	99607246	99607246	+	6.639E-19	1.49466E-17	0.213753	hyper	sig	chr6_99607246
chr12	72271471	72271471	+	6.641E-19	1.49503E-17	0.236464	hyper	sig	chr12_72271471
chr2	29115044	29115044	+	6.647E-19	1.49649E-17	0.221232	hyper	sig	chr2_29115044
chr12	98893710	98893710	+	6.651E-19	1.49722E-17	0.208447	hyper	sig	chr12_98893710
chr5	93573357	93573357	+	6.657E-19	1.4985E-17	0.237637	hyper	sig	chr5_93573357
chr19	48837516	48837516	+	6.659E-19	1.49898E-17	0.30318	hyper	sig	chr19_48837516
chr17	79802024	79802024	+	6.664E-19	1.50002E-17	0.252566	hyper	sig	chr17_79802024
chr8	1184573	1184573	+	6.68E-19	1.50349E-17	-0.20523	hypo	sig	chr8_1184573
chr4	1.13E+08	112520788	+	6.688E-19	1.50519E-17	0.290405	hyper	sig	chr4_112520788
chr5	669624	669624	+	6.693E-19	1.50623E-17	-0.22718	hypo	sig	chr5_669624
chr12	1.27E+08	126725037	+	6.706E-19	1.50926E-17	-0.25129	hypo	sig	chr12_126725037
chr8	68331705	68331705	+	6.706E-19	1.50926E-17	0.222681	hyper	sig	chr8_68331705
chr10	1.32E+08	132301872	+	6.709E-19	1.50973E-17	-0.22632	hypo	sig	chr10_132301872
chr5	42993858	42993858	+	6.729E-19	1.51425E-17	0.249243	hyper	sig	chr5_42993858
chr5	1.71E+08	171309273	+	6.733E-19	1.515E-17	0.216052	hyper	sig	chr5_171309273
chr7	96997522	96997522	+	6.736E-19	1.51581E-17	0.324361	hyper	sig	chr7_96997522
chr16	841441	841441	+	6.74E-19	1.5165E-17	-0.21257	hypo	sig	chr16_841441
chr2	2.39E+08	239247460	+	6.751E-19	1.51905E-17	-0.21122	hypo	sig	chr2_239247460
chr7	2080005	2080005	+	6.765E-19	1.52206E-17	-0.2334	hypo	sig	chr7_2080005
chr2	1.53E+08	153477997	+	6.77E-19	1.52311E-17	0.226046	hyper	sig	chr2_153477997
chr7	1.58E+08	157670663	+	6.777E-19	1.52455E-17	-0.21173	hypo	sig	chr7_157670663
chr5	1.41E+08	141355208	+	6.783E-19	1.52587E-17	0.204027	hyper	sig	chr5_141355208
chr17	81392413	81392413	+	6.789E-19	1.52719E-17	0.247992	hyper	sig	chr17_81392413
chr2	1.81E+08	181456769	+	6.79E-19	1.52751E-17	0.232856	hyper	sig	chr2_181456769
chr6	10385159	10385159	+	6.801E-19	1.52979E-17	0.26346	hyper	sig	chr6_10385159
chr10	99329071	99329071	+	6.81E-19	1.5316E-17	0.213117	hyper	sig	chr10_99329071
chr6	32757493	32757493	+	6.813E-19	1.53224E-17	-0.28718	hypo	sig	chr6_32757493
chr9	1.36E+08	136349035	+	6.813E-19	1.5323E-17	-0.23354	hypo	sig	chr9_136349035
chr14	1.02E+08	101765082	+	6.82E-19	1.53368E-17	-0.26388	hypo	sig	chr14_101765082
chr13	27383801	27383801	+	6.832E-19	1.53635E-17	-0.23863	hypo	sig	chr13_27383801
chr7	1026239	1026239	+	6.833E-19	1.5366E-17	-0.2003	hypo	sig	chr7_1026239
chr5	77632649	77632649	+	6.85E-19	1.54027E-17	0.245565	hyper	sig	chr5_77632649
chr19	45472685	45472685	+	6.856E-19	1.54154E-17	0.234162	hyper	sig	chr19_45472685
chr20	63494882	63494882	+	6.878E-19	1.54636E-17	-0.2268	hypo	sig	chr20_63494882
chr17	21452695	21452695	+	6.883E-19	1.54745E-17	0.208525	hyper	sig	chr17_21452695
chr16	1439105	1439105	+	6.887E-19	1.54829E-17	-0.21878	hypo	sig	chr16_1439105
chr6	10419031	10419031	+	6.912E-19	1.55375E-17	0.279515	hyper	sig	chr6_10419031
chr15	60002281	60002281	+	6.916E-19	1.5546E-17	0.207684	hyper	sig	chr15_60002281
chr5	1.42E+08	141512773	+	6.921E-19	1.55559E-17	0.264067	hyper	sig	chr5_141512773
chr11	2869488	2869488	+	6.924E-19	1.55616E-17	0.227662	hyper	sig	chr11_2869488
chr4	81215380	81215380	+	6.929E-19	1.55737E-17	0.225223	hyper	sig	chr4_81215380
chr3	38634423	38634423	+	6.935E-19	1.55867E-17	-0.2161	hypo	sig	chr3_38634423
chr16	89915924	89915924	+	6.938E-19	1.55918E-17	-0.20313	hypo	sig	chr16_89915924
chr5	1.77E+08	176619901	+	6.946E-19	1.56099E-17	0.228206	hyper	sig	chr5_176619901
chr13	57629810	57629810	+	6.947E-19	1.56111E-17	0.298623	hyper	sig	chr13_57629810
chr2	1.32E+08	131830051	+	6.947E-19	1.56111E-17	0.210799	hyper	sig	chr2_131830051
chr1	98044772	98044772	+	6.989E-19	1.57041E-17	0.271716	hyper	sig	chr1_98044772
chr2	1.82E+08	181677852	+	6.993E-19	1.57132E-17	0.308197	hyper	sig	chr2_181677852

chr4	80190023	80190023	+	6.994E-19	1.57133E-17	0.227206	hyper	sig	chr4_80190023
chr2	2.37E+08	236507738	+	6.994E-19	1.57138E-17	0.273383	hyper	sig	chr2_236507738
chr11	1.25E+08	124920919	+	6.994E-19	1.5714E-17	0.245774	hyper	sig	chr11_124920919
chr16	49702407	49702407	+	6.995E-19	1.57152E-17	-0.2358	hypo	sig	chr16_49702407
chr8	48923579	48923579	+	6.998E-19	1.57209E-17	-0.21456	hypo	sig	chr8_48923579
chr1	982335	982335	+	6.998E-19	1.57211E-17	-0.23004	hypo	sig	chr1_982335
chr7	44112632	44112632	+	7.002E-19	1.57277E-17	-0.2189	hypo	sig	chr7_44112632
chr17	6706792	6706792	+	7.008E-19	1.5741E-17	-0.22779	hypo	sig	chr17_6706792
chr2	1.2E+08	119523937	+	7.014E-19	1.57541E-17	0.281232	hyper	sig	chr2_119523937
chr6	34155767	34155767	+	7.032E-19	1.57936E-17	-0.22964	hypo	sig	chr6_34155767
chr7	2509132	2509132	+	7.048E-19	1.58282E-17	-0.20392	hypo	sig	chr7_2509132
chr10	1.33E+08	132833685	+	7.05E-19	1.58338E-17	-0.22465	hypo	sig	chr10_132833685
chr10	1.24E+08	123992049	+	7.052E-19	1.58366E-17	0.211922	hyper	sig	chr10_123992049
chr16	86504661	86504661	+	7.062E-19	1.58584E-17	0.232007	hyper	sig	chr16_86504661
chr3	1.41E+08	141052526	+	7.066E-19	1.5868E-17	0.27479	hyper	sig	chr3_141052526
chr17	79747802	79747802	+	7.073E-19	1.58828E-17	0.235683	hyper	sig	chr17_79747802
chr10	1.03E+08	103277999	+	7.078E-19	1.58937E-17	0.226219	hyper	sig	chr10_103277999
chr5	1.41E+08	141188784	+	7.078E-19	1.58937E-17	0.256826	hyper	sig	chr5_141188784
chr12	1.15E+08	114735896	+	7.105E-19	1.59515E-17	0.259761	hyper	sig	chr12_114735896
chr13	1.12E+08	111535079	+	7.109E-19	1.59597E-17	0.204677	hyper	sig	chr13_111535079
chr19	5250448	5250448	+	7.11E-19	1.59612E-17	-0.26298	hypo	sig	chr19_5250448
chr4	52076933	52076933	+	7.11E-19	1.59612E-17	0.233596	hyper	sig	chr4_52076933
chr17	80899954	80899954	+	7.112E-19	1.59656E-17	-0.22094	hypo	sig	chr17_80899954
chr1	2.17E+08	217139724	+	7.125E-19	1.59938E-17	0.27875	hyper	sig	chr1_217139724
chr2	1.24E+08	124024712	+	7.13E-19	1.60055E-17	0.27677	hyper	sig	chr2_124024712
chr14	99247122	99247122	+	7.138E-19	1.60219E-17	0.250928	hyper	sig	chr14_99247122
chr9	77019927	77019927	+	7.147E-19	1.60428E-17	0.22342	hyper	sig	chr9_77019927
chr12	50033102	50033102	+	7.161E-19	1.60718E-17	0.304306	hyper	sig	chr12_50033102
chr6	1.05E+08	104940316	+	7.161E-19	1.6072E-17	0.219439	hyper	sig	chr6_104940316
chr7	4822710	4822710	+	7.183E-19	1.61202E-17	-0.26068	hypo	sig	chr7_4822710
chr5	1.41E+08	141421902	+	7.201E-19	1.61587E-17	0.215087	hyper	sig	chr5_141421902
chr5	73381481	73381481	+	7.207E-19	1.61704E-17	0.230019	hyper	sig	chr5_73381481
chr15	93041748	93041748	+	7.212E-19	1.61813E-17	-0.20051	hypo	sig	chr15_93041748
chr12	1.13E+08	113472766	+	7.214E-19	1.61863E-17	0.252798	hyper	sig	chr12_113472766
chr17	58666960	58666960	+	7.22E-19	1.61991E-17	-0.25831	hypo	sig	chr17_58666960
chr9	93346185	93346185	+	7.221E-19	1.62016E-17	0.282319	hyper	sig	chr9_93346185
chr10	70600509	70600509	+	7.222E-19	1.62017E-17	-0.2598	hypo	sig	chr10_70600509
chr12	15221134	15221134	+	7.224E-19	1.62057E-17	0.285441	hyper	sig	chr12_15221134
chr2	1.05E+08	104867056	+	7.228E-19	1.62134E-17	0.244194	hyper	sig	chr2_104867056
chr19	53058734	53058734	+	7.26E-19	1.62836E-17	0.329355	hyper	sig	chr19_53058734
chr11	1926463	1926463	+	7.267E-19	1.6299E-17	-0.23142	hypo	sig	chr11_1926463
chr11	79331776	79331776	+	7.269E-19	1.6301E-17	-0.21396	hypo	sig	chr11_79331776
chr20	46030312	46030312	+	7.269E-19	1.6301E-17	0.3001	hyper	sig	chr20_46030312
chr7	20776622	20776622	+	7.279E-19	1.63226E-17	0.227229	hyper	sig	chr7_20776622
chr6	50850496	50850496	+	7.295E-19	1.6358E-17	0.21242	hyper	sig	chr6_50850496
chr19	41875636	41875636	+	7.305E-19	1.63803E-17	-0.23024	hypo	sig	chr19_41875636
chr17	82876157	82876157	+	7.308E-19	1.63855E-17	-0.2049	hypo	sig	chr17_82876157
chr4	84501283	84501283	+	7.33E-19	1.64331E-17	0.229226	hyper	sig	chr4_84501283
chr12	4809171	4809171	+	7.333E-19	1.64404E-17	0.261151	hyper	sig	chr12_4809171
chr19	51949115	51949115	+	7.341E-19	1.6457E-17	0.228476	hyper	sig	chr19_51949115
chr6	3234075	3234075	+	7.346E-19	1.64673E-17	-0.27327	hypo	sig	chr6_3234075
chr1	66752108	66752108	+	7.349E-19	1.64735E-17	0.203195	hyper	sig	chr1_66752108
chr16	86497206	86497206	+	7.357E-19	1.64915E-17	0.244935	hyper	sig	chr16_86497206
chr2	2.32E+08	232381176	+	7.358E-19	1.64942E-17	-0.21957	hypo	sig	chr2_232381176
chr8	1.42E+08	142430214	+	7.373E-19	1.6525E-17	-0.27461	hypo	sig	chr8_142430214
chr3	44021919	44021919	+	7.375E-19	1.65311E-17	0.229396	hyper	sig	chr3_44021919

chr1	1.53E+08	152684722	+	7.384E-19	1.65488E-17	-0.2259	hypo	sig	chr1_152684722
chr15	93421859	93421859	+	7.393E-19	1.65687E-17	-0.26409	hypo	sig	chr15_93421859
chr21	41362415	41362415	+	7.393E-19	1.65687E-17	-0.27228	hypo	sig	chr21_41362415
chr11	1.29E+08	128867568	+	7.399E-19	1.65815E-17	-0.24982	hypo	sig	chr11_128867568
chr1	6345521	6345521	+	7.405E-19	1.65924E-17	-0.26786	hypo	sig	chr1_6345521
chr12	57628176	57628176	+	7.413E-19	1.66099E-17	0.221861	hyper	sig	chr12_57628176
chr8	39314467	39314467	+	7.417E-19	1.6619E-17	0.259798	hyper	sig	chr8_39314467
chr2	2.33E+08	233060220	+	7.422E-19	1.66304E-17	-0.25573	hypo	sig	chr2_233060220
chr4	473283	473283	+	7.441E-19	1.66698E-17	0.230952	hyper	sig	chr4_473283
chr3	1.38E+08	137769526	+	7.444E-19	1.66765E-17	0.24346	hyper	sig	chr3_137769526
chr5	42944216	42944216	+	7.447E-19	1.66827E-17	0.291331	hyper	sig	chr5_42944216
chr7	79453152	79453152	+	7.461E-19	1.67135E-17	0.229484	hyper	sig	chr7_79453152
chr17	21508567	21508567	+	7.472E-19	1.67373E-17	-0.22913	hypo	sig	chr17_21508567
chr10	1.33E+08	132943070	+	7.499E-19	1.67965E-17	0.260092	hyper	sig	chr10_132943070
chr12	1.14E+08	114408640	+	7.502E-19	1.68045E-17	0.21108	hyper	sig	chr12_114408640
chr17	22514912	22514912	+	7.518E-19	1.68374E-17	-0.20364	hypo	sig	chr17_22514912
chr8	96495340	96495340	+	7.521E-19	1.68444E-17	0.200024	hyper	sig	chr8_96495340
chr12	34332663	34332663	+	7.534E-19	1.68738E-17	-0.24478	hypo	sig	chr12_34332663
chr12	75208148	75208148	+	7.546E-19	1.68986E-17	0.322291	hyper	sig	chr12_75208148
chr1	35577533	35577533	+	7.548E-19	1.6903E-17	0.239965	hyper	sig	chr1_35577533
chr8	74985072	74985072	+	7.593E-19	1.70007E-17	0.212572	hyper	sig	chr8_74985072
chr3	1.38E+08	138101858	+	7.608E-19	1.70339E-17	-0.25737	hypo	sig	chr3_138101858
chr3	42692254	42692254	+	7.621E-19	1.70617E-17	-0.23386	hypo	sig	chr3_42692254
chr17	78568916	78568916	+	7.641E-19	1.71065E-17	-0.2264	hypo	sig	chr17_78568916
chr11	43581305	43581305	+	7.649E-19	1.71222E-17	0.21796	hyper	sig	chr11_43581305
chr5	1.73E+08	173246077	+	7.655E-19	1.7135E-17	0.252592	hyper	sig	chr5_173246077
chr12	1.14E+08	114403866	+	7.662E-19	1.71495E-17	0.236631	hyper	sig	chr12_114403866
chr17	41635482	41635482	+	7.663E-19	1.71523E-17	-0.21014	hypo	sig	chr17_41635482
chr16	88787421	88787421	+	7.669E-19	1.71643E-17	-0.22761	hypo	sig	chr16_88787421
chr7	1.55E+08	155382552	+	7.674E-19	1.71753E-17	0.252617	hyper	sig	chr7_155382552
chr6	37649054	37649054	+	7.689E-19	1.72092E-17	0.292334	hyper	sig	chr6_37649054
chr1	6466201	6466201	+	7.701E-19	1.72351E-17	0.30538	hyper	sig	chr1_6466201
chr17	44948260	44948260	+	7.709E-19	1.72522E-17	0.20055	hyper	sig	chr17_44948260
chr13	1.1E+08	109784381	+	7.727E-19	1.7292E-17	-0.20537	hypo	sig	chr13_109784381
chr5	1.41E+08	141431423	+	7.728E-19	1.72933E-17	0.235566	hyper	sig	chr5_141431423
chr8	1.43E+08	142524192	+	7.733E-19	1.7303E-17	-0.32172	hypo	sig	chr8_142524192
chr3	5096053	5096053	+	7.733E-19	1.73033E-17	0.281419	hyper	sig	chr3_5096053
chr8	1.08E+08	108082353	+	7.735E-19	1.73079E-17	0.235841	hyper	sig	chr8_108082353
chr19	40224804	40224804	+	7.76E-19	1.73624E-17	-0.39085	hypo	sig	chr19_40224804
chr8	64370432	64370432	+	7.765E-19	1.73731E-17	0.374507	hyper	sig	chr8_64370432
chr12	95858004	95858004	+	7.805E-19	1.74592E-17	0.266974	hyper	sig	chr12_95858004
chr5	1.41E+08	141242094	+	7.806E-19	1.7461E-17	0.215941	hyper	sig	chr5_141242094
chr12	54019328	54019328	+	7.816E-19	1.74828E-17	0.24015	hyper	sig	chr12_54019328
chr5	1.79E+08	178940648	+	7.825E-19	1.75021E-17	0.286426	hyper	sig	chr5_178940648
chr14	56811495	56811495	+	7.833E-19	1.75191E-17	0.212374	hyper	sig	chr14_56811495
chr1	17149561	17149561	+	7.846E-19	1.75473E-17	0.259841	hyper	sig	chr1_17149561
chr14	28765684	28765684	+	7.85E-19	1.75557E-17	0.220437	hyper	sig	chr14_28765684
chr22	16602984	16602984	+	7.851E-19	1.75579E-17	0.324569	hyper	sig	chr22_16602984
chr17	14304293	14304293	+	7.874E-19	1.76087E-17	0.245357	hyper	sig	chr17_14304293
chr5	31798916	31798916	+	7.878E-19	1.76165E-17	-0.21751	hypo	sig	chr5_31798916
chr1	937032	937032	+	7.884E-19	1.76307E-17	-0.21288	hypo	sig	chr1_937032
chr17	48722117	48722117	+	7.893E-19	1.76493E-17	0.270874	hyper	sig	chr17_48722117
chr19	1809750	1809750	+	7.914E-19	1.76959E-17	-0.3084	hypo	sig	chr19_1809750
chr13	27794995	27794995	+	7.92E-19	1.77087E-17	0.25228	hyper	sig	chr13_27794995
chr11	1025897	1025897	+	7.943E-19	1.77589E-17	-0.21297	hypo	sig	chr11_1025897
chr7	2079441	2079441	+	7.946E-19	1.77643E-17	-0.24608	hypo	sig	chr7_2079441

chr3	1.13E+08	113222985	+	7.964E-19	1.78052E-17	-0.24332	hypo	sig	chr3_113222985
chr5	1.81E+08	181100613	+	7.965E-19	1.78064E-17	0.210399	hyper	sig	chr5_181100613
chr5	1174311	1174311	+	7.968E-19	1.78133E-17	-0.2703	hypo	sig	chr5_1174311
chr20	21702906	21702906	+	7.985E-19	1.78498E-17	0.266387	hyper	sig	chr20_21702906
chr7	64495271	64495271	+	7.989E-19	1.7859E-17	0.269804	hyper	sig	chr7_64495271
chr2	2.32E+08	232387996	+	7.992E-19	1.7865E-17	0.248101	hyper	sig	chr2_232387996
chr6	10385256	10385256	+	7.996E-19	1.78722E-17	0.259466	hyper	sig	chr6_10385256
chr9	1.27E+08	126625569	+	8E-19	1.7882E-17	0.242881	hyper	sig	chr9_126625569
chr19	2730604	2730604	+	8.021E-19	1.79264E-17	-0.24659	hypo	sig	chr19_2730604
chr6	84766553	84766553	+	8.021E-19	1.79268E-17	0.286979	hyper	sig	chr6_84766553
chr11	49558510	49558510	+	8.036E-19	1.79601E-17	0.201339	hyper	sig	chr11_49558510
chr3	6863303	6863303	+	8.051E-19	1.79919E-17	0.239517	hyper	sig	chr3_6863303
chr4	1.23E+08	122826387	+	8.059E-19	1.80104E-17	0.238887	hyper	sig	chr4_122826387
chr20	46118186	46118186	+	8.063E-19	1.80175E-17	0.210791	hyper	sig	chr20_46118186
chr16	84302722	84302722	+	8.075E-19	1.80449E-17	-0.2559	hypo	sig	chr16_84302722
chr14	1.04E+08	104304672	+	8.079E-19	1.80518E-17	-0.20325	hypo	sig	chr14_104304672
chr8	22691016	22691016	+	8.084E-19	1.80635E-17	0.234124	hyper	sig	chr8_22691016
chr19	48966696	48966696	+	8.086E-19	1.80668E-17	-0.24497	hypo	sig	chr19_48966696
chr4	1.07E+08	107036237	+	8.093E-19	1.8082E-17	0.295939	hyper	sig	chr4_107036237
chr2	1.53E+08	153478038	+	8.095E-19	1.80854E-17	0.243361	hyper	sig	chr2_153478038
chr8	48923512	48923512	+	8.11E-19	1.81188E-17	-0.27276	hypo	sig	chr8_48923512
chr15	26866910	26866910	+	8.113E-19	1.81245E-17	0.252617	hyper	sig	chr15_26866910
chr5	10563006	10563006	+	8.115E-19	1.81276E-17	0.253301	hyper	sig	chr5_10563006
chr1	1.19E+08	118987325	+	8.127E-19	1.81549E-17	0.306938	hyper	sig	chr1_118987325
chr6	11779607	11779607	+	8.133E-19	1.81676E-17	-0.2518	hypo	sig	chr6_11779607
chr2	1.31E+08	131402845	+	8.143E-19	1.81897E-17	-0.21523	hypo	sig	chr2_131402845
chr20	21520263	21520263	+	8.159E-19	1.8224E-17	0.299454	hyper	sig	chr20_21520263
chr4	65668500	65668500	+	8.159E-19	1.82247E-17	0.214858	hyper	sig	chr4_65668500
chr15	89371867	89371867	+	8.16E-19	1.8225E-17	0.20038	hyper	sig	chr15_89371867
chr13	1.14E+08	113653306	+	8.165E-19	1.82373E-17	-0.22196	hypo	sig	chr13_113653306
chr12	53975653	53975653	+	8.173E-19	1.82533E-17	0.220289	hyper	sig	chr12_53975653
chr19	57583762	57583762	+	8.174E-19	1.8256E-17	0.265544	hyper	sig	chr19_57583762
chr6	1.33E+08	133241652	+	8.177E-19	1.82615E-17	0.377838	hyper	sig	chr6_133241652
chr16	29236122	29236122	+	8.19E-19	1.82891E-17	-0.21213	hypo	sig	chr16_29236122
chr10	1.01E+08	101135996	+	8.194E-19	1.82978E-17	0.262079	hyper	sig	chr10_101135996
chr11	69250116	69250116	+	8.202E-19	1.83153E-17	-0.21996	hypo	sig	chr11_69250116
chr3	62370404	62370404	+	8.218E-19	1.83489E-17	0.231018	hyper	sig	chr3_62370404
chr19	52398018	52398018	+	8.22E-19	1.83525E-17	0.236513	hyper	sig	chr19_52398018
chr10	52771949	52771949	+	8.225E-19	1.83648E-17	-0.29852	hypo	sig	chr10_52771949
chr7	23247625	23247625	+	8.226E-19	1.83655E-17	0.311909	hyper	sig	chr7_23247625
chr2	2.19E+08	219445066	+	8.241E-19	1.83978E-17	-0.23373	hypo	sig	chr2_219445066
chr1	1.19E+08	118986756	+	8.251E-19	1.84184E-17	0.203662	hyper	sig	chr1_118986756
chr14	77140850	77140850	+	8.271E-19	1.84633E-17	0.229921	hyper	sig	chr14_77140850
chr6	30111659	30111659	+	8.287E-19	1.84976E-17	-0.24236	hypo	sig	chr6_30111659
chr3	1.43E+08	143121398	+	8.294E-19	1.85113E-17	0.23893	hyper	sig	chr3_143121398
chr6	28825879	28825879	+	8.296E-19	1.85146E-17	0.220987	hyper	sig	chr6_28825879
chr1	3435691	3435691	+	8.321E-19	1.85693E-17	-0.21597	hypo	sig	chr1_3435691
chr15	74383900	74383900	+	8.333E-19	1.85977E-17	-0.33673	hypo	sig	chr15_74383900
chr8	1.41E+08	141230970	+	8.347E-19	1.86269E-17	-0.32057	hypo	sig	chr8_141230970
chr16	1146721	1146721	+	8.349E-19	1.86316E-17	-0.24601	hypo	sig	chr16_1146721
chr12	1.31E+08	131096083	+	8.381E-19	1.87002E-17	-0.22634	hypo	sig	chr12_131096083
chr20	21515953	21515953	+	8.383E-19	1.87038E-17	0.23779	hyper	sig	chr20_21515953
chr17	82321218	82321218	+	8.383E-19	1.87044E-17	-0.2216	hypo	sig	chr17_82321218
chr3	1.02E+08	101678032	+	8.384E-19	1.87056E-17	-0.22191	hypo	sig	chr3_101678032
chr20	19975162	19975162	+	8.385E-19	1.8707E-17	0.275233	hyper	sig	chr20_19975162
chr9	1.38E+08	137873795	+	8.394E-19	1.87273E-17	-0.25439	hypo	sig	chr9_137873795

chr13	1.02E+08	101919879	+	8.408E-19	1.87585E-17	0.270364	hyper	sig	chr13_101919879
chr14	77475206	77475206	+	8.439E-19	1.88233E-17	-0.25986	hypo	sig	chr14_77475206
chr18	37328661	37328661	+	8.45E-19	1.88478E-17	-0.23093	hypo	sig	chr18_37328661
chr8	84183462	84183462	+	8.45E-19	1.88478E-17	0.348013	hyper	sig	chr8_84183462
chr13	57629820	57629820	+	8.46E-19	1.88699E-17	0.301271	hyper	sig	chr13_57629820
chr7	43112670	43112670	+	8.49E-19	1.89345E-17	0.225541	hyper	sig	chr7_43112670
chr17	21452769	21452769	+	8.502E-19	1.89612E-17	0.221547	hyper	sig	chr17_21452769
chr4	26061387	26061387	+	8.509E-19	1.89759E-17	-0.2611	hypo	sig	chr4_26061387
chr7	1.49E+08	149415227	+	8.51E-19	1.89769E-17	0.247833	hyper	sig	chr7_149415227
chr4	1.22E+08	122380050	+	8.521E-19	1.90016E-17	-0.26617	hypo	sig	chr4_122380050
chr3	13850855	13850855	+	8.522E-19	1.90037E-17	-0.21762	hypo	sig	chr3_13850855
chr1	1.57E+08	156845781	+	8.537E-19	1.90348E-17	0.208653	hyper	sig	chr1_156845781
chr3	48269146	48269146	+	8.538E-19	1.90368E-17	-0.23773	hypo	sig	chr3_48269146
chr6	32212838	32212838	+	8.548E-19	1.90592E-17	-0.25648	hypo	sig	chr6_32212838
chr1	1.81E+08	181483842	+	8.55E-19	1.90623E-17	0.208079	hyper	sig	chr1_181483842
chr1	1242584	1242584	+	8.563E-19	1.90909E-17	-0.20234	hypo	sig	chr1_1242584
chr2	1.77E+08	177198375	+	8.564E-19	1.90928E-17	-0.31122	hypo	sig	chr2_177198375
chr11	20208007	20208007	+	8.575E-19	1.91161E-17	0.241205	hyper	sig	chr11_20208007
chr13	1.12E+08	112069926	+	8.59E-19	1.91488E-17	0.334429	hyper	sig	chr13_112069926
chr3	1.27E+08	127173271	+	8.591E-19	1.91503E-17	-0.22918	hypo	sig	chr3_127173271
chr1	7070019	7070019	+	8.592E-19	1.91511E-17	0.261587	hyper	sig	chr1_7070019
chr5	93573352	93573352	+	8.6E-19	1.91688E-17	0.224744	hyper	sig	chr5_93573352
chr10	1.02E+08	102460820	+	8.627E-19	1.92271E-17	-0.27524	hypo	sig	chr10_102460820
chr8	23705669	23705669	+	8.635E-19	1.92438E-17	0.211772	hyper	sig	chr8_23705669
chr5	42994014	42994014	+	8.638E-19	1.92496E-17	0.241823	hyper	sig	chr5_42994014
chr19	11674247	11674247	+	8.639E-19	1.92529E-17	0.222893	hyper	sig	chr19_11674247
chr7	1.51E+08	151013296	+	8.652E-19	1.92814E-17	0.263814	hyper	sig	chr7_151013296
chr14	74378292	74378292	+	8.658E-19	1.92932E-17	-0.25474	hypo	sig	chr14_74378292
chr12	1.14E+08	114403049	+	8.662E-19	1.93009E-17	0.216525	hyper	sig	chr12_114403049
chr16	565762	565762	+	8.67E-19	1.93185E-17	-0.20435	hypo	sig	chr16_565762
chr10	1.33E+08	132920158	+	8.672E-19	1.93235E-17	-0.28453	hypo	sig	chr10_132920158
chr7	50450652	50450652	+	8.673E-19	1.93256E-17	0.201994	hyper	sig	chr7_50450652
chr5	1.35E+08	135050463	+	8.69E-19	1.93609E-17	0.259528	hyper	sig	chr5_135050463
chr2	1.21E+08	120696154	+	8.729E-19	1.94478E-17	0.257954	hyper	sig	chr2_120696154
chr19	48740170	48740170	+	8.729E-19	1.9448E-17	-0.22886	hypo	sig	chr19_48740170
chr10	23172680	23172680	+	8.734E-19	1.94587E-17	0.213506	hyper	sig	chr10_23172680
chr8	1.43E+08	142567342	+	8.747E-19	1.94874E-17	-0.2119	hypo	sig	chr8_142567342
chr11	70177442	70177442	+	8.753E-19	1.94999E-17	-0.22487	hypo	sig	chr11_70177442
chr5	1.59E+08	159104559	+	8.757E-19	1.9509E-17	0.254564	hyper	sig	chr5_159104559
chr17	68198812	68198812	+	8.765E-19	1.95258E-17	0.238384	hyper	sig	chr17_68198812
chr10	1.33E+08	133039677	+	8.773E-19	1.95432E-17	-0.2044	hypo	sig	chr10_133039677
chr17	7740885	7740885	+	8.774E-19	1.9544E-17	-0.26691	hypo	sig	chr17_7740885
chr5	1.17E+08	116576657	+	8.784E-19	1.95647E-17	0.213654	hyper	sig	chr5_116576657
chr7	19119151	19119151	+	8.79E-19	1.95784E-17	0.240534	hyper	sig	chr7_19119151
chr8	1.43E+08	142696179	+	8.813E-19	1.96282E-17	-0.29269	hypo	sig	chr8_142696179
chr4	41881117	41881117	+	8.827E-19	1.96584E-17	0.238471	hyper	sig	chr4_41881117
chr14	1.01E+08	101374031	+	8.835E-19	1.96741E-17	-0.20737	hypo	sig	chr14_101374031
chr1	44408020	44408020	+	8.836E-19	1.96759E-17	0.213232	hyper	sig	chr1_44408020
chr10	1.28E+08	128214737	+	8.836E-19	1.96759E-17	-0.2816	hypo	sig	chr10_128214737
chr21	33025998	33025998	+	8.84E-19	1.96837E-17	0.260274	hyper	sig	chr21_33025998
chr5	1973899	1973899	+	8.846E-19	1.9698E-17	-0.21514	hypo	sig	chr5_1973899
chr11	1.3E+08	130428959	+	8.849E-19	1.97036E-17	0.227443	hyper	sig	chr11_130428959
chr14	1.02E+08	101891621	+	8.849E-19	1.97036E-17	0.231222	hyper	sig	chr14_101891621
chr17	16379172	16379172	+	8.856E-19	1.97165E-17	-0.23887	hypo	sig	chr17_16379172
chr11	55872848	55872848	+	8.858E-19	1.97203E-17	0.211255	hyper	sig	chr11_55872848
chr16	2513455	2513455	+	8.858E-19	1.9721E-17	0.229966	hyper	sig	chr16_2513455

chr13	78608132	78608132	+	8.866E-19	1.97377E-17	0.253861	hyper	sig	chr13_78608132
chr6	1.59E+08	159168950	+	8.876E-19	1.97594E-17	0.215035	hyper	sig	chr6_159168950
chr7	1.55E+08	155465514	+	8.901E-19	1.98137E-17	0.246738	hyper	sig	chr7_155465514
chr2	9820541	9820541	+	8.902E-19	1.98163E-17	-0.27598	hypo	sig	chr2_9820541
chr3	62379218	62379218	+	8.91E-19	1.98328E-17	0.241654	hyper	sig	chr3_62379218
chr6	36285267	36285267	+	8.916E-19	1.98462E-17	0.237939	hyper	sig	chr6_36285267
chr1	40133100	40133100	+	8.935E-19	1.98881E-17	0.273306	hyper	sig	chr1_40133100
chr12	1.13E+08	113464484	+	8.941E-19	1.99006E-17	0.241069	hyper	sig	chr12_113464484
chr19	33684641	33684641	+	8.953E-19	1.99259E-17	0.207724	hyper	sig	chr19_33684641
chr7	44112635	44112635	+	8.96E-19	1.99406E-17	-0.22131	hypo	sig	chr7_44112635
chr5	1.79E+08	178515483	+	8.969E-19	1.99617E-17	-0.2013	hypo	sig	chr5_178515483
chr19	37691974	37691974	+	8.979E-19	1.99825E-17	0.312826	hyper	sig	chr19_37691974
chr4	1.85E+08	185021001	+	8.98E-19	1.99838E-17	0.228173	hyper	sig	chr4_185021001
chr11	49561419	49561419	+	8.985E-19	1.99935E-17	0.268589	hyper	sig	chr11_49561419
chr10	27999254	27999254	+	9.015E-19	2.00585E-17	0.267906	hyper	sig	chr10_27999254
chr13	26742970	26742970	+	9.015E-19	2.00585E-17	0.250603	hyper	sig	chr13_26742970
chr16	1093611	1093611	+	9.019E-19	2.0066E-17	-0.20169	hypo	sig	chr16_1093611
chr5	1.41E+08	141422952	+	9.022E-19	2.00735E-17	0.22716	hyper	sig	chr5_141422952
chr2	2.42E+08	241618013	+	9.025E-19	2.00784E-17	-0.22543	hypo	sig	chr2_241618013
chr15	37097167	37097167	+	9.038E-19	2.01073E-17	0.217298	hyper	sig	chr15_37097167
chr14	1.01E+08	101054652	+	9.065E-19	2.01654E-17	-0.20757	hypo	sig	chr14_101054652
chr2	1.75E+08	174730502	+	9.072E-19	2.01793E-17	0.310137	hyper	sig	chr2_174730502
chr17	10197783	10197783	+	9.082E-19	2.02004E-17	0.2473	hyper	sig	chr17_10197783
chr16	84032471	84032471	+	9.091E-19	2.0218E-17	-0.30334	hypo	sig	chr16_84032471
chr4	84503138	84503138	+	9.093E-19	2.02234E-17	0.213815	hyper	sig	chr4_84503138
chr7	94394979	94394979	+	9.094E-19	2.02249E-17	0.228482	hyper	sig	chr7_94394979
chr6	3752615	3752615	+	9.098E-19	2.02326E-17	0.233564	hyper	sig	chr6_3752615
chr16	555297	555297	+	9.101E-19	2.02379E-17	-0.21509	hypo	sig	chr16_555297
chr2	1.71E+08	170815293	+	9.101E-19	2.02384E-17	0.236195	hyper	sig	chr2_170815293
chr11	76787657	76787657	+	9.107E-19	2.02511E-17	-0.21289	hypo	sig	chr11_76787657
chr10	1.19E+08	118595627	+	9.112E-19	2.02604E-17	0.245122	hyper	sig	chr10_118595627
chr4	4034231	4034231	+	9.119E-19	2.02752E-17	-0.23435	hypo	sig	chr4_4034231
chr4	8591801	8591801	+	9.141E-19	2.03254E-17	-0.20279	hypo	sig	chr4_8591801
chr9	37002730	37002730	+	9.143E-19	2.03286E-17	0.272869	hyper	sig	chr9_37002730
chr10	93075875	93075875	+	9.172E-19	2.03913E-17	0.210849	hyper	sig	chr10_93075875
chr3	1.47E+08	147357312	+	9.175E-19	2.03964E-17	0.212125	hyper	sig	chr3_147357312
chr15	67175408	67175408	+	9.191E-19	2.04308E-17	-0.2196	hypo	sig	chr15_67175408
chr5	1.41E+08	141421974	+	9.198E-19	2.04451E-17	0.254196	hyper	sig	chr5_141421974
chr5	33936582	33936582	+	9.199E-19	2.04479E-17	0.217643	hyper	sig	chr5_33936582
chr8	52939470	52939470	+	9.202E-19	2.04525E-17	0.334141	hyper	sig	chr8_52939470
chr17	43940390	43940390	+	9.21E-19	2.04702E-17	-0.23333	hypo	sig	chr17_43940390
chr17	6655620	6655620	+	9.212E-19	2.04724E-17	0.205972	hyper	sig	chr17_6655620
chr7	1.55E+08	155374922	+	9.214E-19	2.04772E-17	0.217154	hyper	sig	chr7_155374922
chr17	74357840	74357840	+	9.218E-19	2.04851E-17	0.254348	hyper	sig	chr17_74357840
chr19	33622461	33622461	+	9.218E-19	2.04851E-17	0.303964	hyper	sig	chr19_33622461
chr6	1.01E+08	101398996	+	9.237E-19	2.05257E-17	0.205908	hyper	sig	chr6_101398996
chr10	1.23E+08	122818693	+	9.253E-19	2.056E-17	0.214227	hyper	sig	chr10_122818693
chr10	1.3E+08	129965395	+	9.253E-19	2.05604E-17	0.242957	hyper	sig	chr10_129965395
chr11	1343800	1343800	+	9.263E-19	2.05802E-17	-0.23325	hypo	sig	chr11_1343800
chr2	31581238	31581238	+	9.28E-19	2.06163E-17	0.301878	hyper	sig	chr2_31581238
chr3	47009996	47009996	+	9.281E-19	2.06193E-17	0.314531	hyper	sig	chr3_47009996
chr11	94401855	94401855	+	9.293E-19	2.06427E-17	0.281671	hyper	sig	chr11_94401855
chr5	1.29E+08	128537850	+	9.301E-19	2.066E-17	0.215628	hyper	sig	chr5_128537850
chr2	691064	691064	+	9.307E-19	2.06734E-17	-0.25343	hypo	sig	chr2_691064
chr7	22355598	22355598	+	9.323E-19	2.07065E-17	-0.25318	hypo	sig	chr7_22355598
chr19	4556047	4556047	+	9.335E-19	2.07317E-17	-0.28495	hypo	sig	chr19_4556047

chr3	1.43E+08	142964403	+	9.345E-19	2.07528E-17	0.28974	hyper	sig	chr3_142964403
chr8	1.28E+08	127960488	+	9.355E-19	2.07748E-17	-0.23573	hypo	sig	chr8_127960488
chr14	28765698	28765698	+	9.37E-19	2.08064E-17	0.207855	hyper	sig	chr14_28765698
chr15	74133232	74133232	+	9.373E-19	2.08124E-17	0.270337	hyper	sig	chr15_74133232
chr10	1.02E+08	102436456	+	9.386E-19	2.08415E-17	-0.20599	hypo	sig	chr10_102436456
chr5	96614401	96614401	+	9.389E-19	2.08471E-17	-0.24393	hypo	sig	chr5_96614401
chr14	53952902	53952902	+	9.408E-19	2.08873E-17	0.31496	hyper	sig	chr14_53952902
chr3	13076254	13076254	+	9.412E-19	2.08956E-17	-0.25273	hypo	sig	chr3_13076254
chr8	96498305	96498305	+	9.413E-19	2.08992E-17	-0.2149	hypo	sig	chr8_96498305
chr12	54053966	54053966	+	9.417E-19	2.09072E-17	0.209284	hyper	sig	chr12_54053966
chr2	2.37E+08	236568049	+	9.423E-19	2.09194E-17	0.222021	hyper	sig	chr2_236568049
chr6	1.7E+08	170423265	+	9.441E-19	2.09568E-17	0.203007	hyper	sig	chr6_170423265
chr12	4909010	4909010	+	9.479E-19	2.10404E-17	0.226639	hyper	sig	chr12_4909010
chr19	50717223	50717223	+	9.504E-19	2.10949E-17	-0.27521	hypo	sig	chr19_50717223
chr3	75906994	75906994	+	9.51E-19	2.11063E-17	0.262742	hyper	sig	chr3_75906994
chr2	1.19E+08	118842421	+	9.532E-19	2.11525E-17	0.304375	hyper	sig	chr2_118842421
chr5	71719166	71719166	+	9.547E-19	2.11865E-17	0.358418	hyper	sig	chr5_71719166
chr13	26012263	26012263	+	9.554E-19	2.11993E-17	0.277869	hyper	sig	chr13_26012263
chr14	60506757	60506757	+	9.589E-19	2.12757E-17	0.244379	hyper	sig	chr14_60506757
chr7	1.17E+08	117322855	+	9.597E-19	2.12928E-17	0.301915	hyper	sig	chr7_117322855
chr16	29218921	29218921	+	9.597E-19	2.12931E-17	-0.20516	hypo	sig	chr16_29218921
chr3	68007799	68007799	+	9.608E-19	2.13177E-17	0.257653	hyper	sig	chr3_68007799
chr6	84763496	84763496	+	9.628E-19	2.13589E-17	0.279695	hyper	sig	chr6_84763496
chr9	14993586	14993586	+	9.637E-19	2.13793E-17	0.25813	hyper	sig	chr9_14993586
chr5	1.35E+08	135490120	+	9.657E-19	2.1422E-17	0.206276	hyper	sig	chr5_135490120
chr4	44447629	44447629	+	9.66E-19	2.14278E-17	0.260245	hyper	sig	chr4_44447629
chr20	46057455	46057455	+	9.677E-19	2.14647E-17	0.247038	hyper	sig	chr20_46057455
chr19	35358569	35358569	+	9.683E-19	2.14758E-17	-0.24453	hypo	sig	chr19_35358569
chr13	35471014	35471014	+	9.688E-19	2.14862E-17	0.243134	hyper	sig	chr13_35471014
chr7	35454759	35454759	+	9.691E-19	2.14923E-17	0.289362	hyper	sig	chr7_35454759
chr4	3596002	3596002	+	9.706E-19	2.15242E-17	-0.20032	hypo	sig	chr4_3596002
chr12	1500079	1500079	+	9.714E-19	2.15401E-17	-0.21234	hypo	sig	chr12_1500079
chr2	19357460	19357460	+	9.715E-19	2.1542E-17	0.269857	hyper	sig	chr2_19357460
chr4	5052364	5052364	+	9.755E-19	2.16288E-17	0.221214	hyper	sig	chr4_5052364
chr10	1.32E+08	131812344	+	9.758E-19	2.16348E-17	-0.23719	hypo	sig	chr10_131812344
chr9	1.36E+08	135694493	+	9.758E-19	2.1635E-17	-0.2065	hypo	sig	chr9_135694493
chr14	59626813	59626813	+	9.759E-19	2.16357E-17	-0.29926	hypo	sig	chr14_59626813
chr3	44021931	44021931	+	9.76E-19	2.16381E-17	0.232465	hyper	sig	chr3_44021931
chr19	6658284	6658284	+	9.761E-19	2.16411E-17	-0.26549	hypo	sig	chr19_6658284
chr4	95547831	95547831	+	9.764E-19	2.16459E-17	0.291658	hyper	sig	chr4_95547831
chr12	75209339	75209339	+	9.771E-19	2.16594E-17	0.279028	hyper	sig	chr12_75209339
chr19	15437060	15437060	+	9.771E-19	2.16597E-17	-0.2155	hypo	sig	chr19_15437060
chr7	1.54E+08	153752115	+	9.772E-19	2.16616E-17	-0.23865	hypo	sig	chr7_153752115
chr2	1.75E+08	174730500	+	9.792E-19	2.17053E-17	0.307377	hyper	sig	chr2_174730500
chr7	1.55E+08	155070705	+	9.815E-19	2.1754E-17	0.238837	hyper	sig	chr7_155070705
chr16	84818971	84818971	+	9.822E-19	2.17682E-17	-0.22075	hypo	sig	chr16_84818971
chr11	32434252	32434252	+	9.831E-19	2.17873E-17	0.25798	hyper	sig	chr11_32434252
chr19	45472950	45472950	+	9.838E-19	2.18024E-17	0.310965	hyper	sig	chr19_45472950
chr2	1.76E+08	176109315	+	9.845E-19	2.18173E-17	0.200069	hyper	sig	chr2_176109315
chr20	29427407	29427407	+	9.864E-19	2.18585E-17	0.320608	hyper	sig	chr20_29427407
chr2	2.19E+08	219332994	+	9.896E-19	2.1929E-17	0.253765	hyper	sig	chr2_219332994
chr19	19533274	19533274	+	9.908E-19	2.1955E-17	-0.28459	hypo	sig	chr19_19533274
chr3	13637805	13637805	+	9.911E-19	2.196E-17	-0.21162	hypo	sig	chr3_13637805
chr11	70826925	70826925	+	9.915E-19	2.19666E-17	0.201145	hyper	sig	chr11_70826925
chr10	55628022	55628022	+	9.949E-19	2.20399E-17	0.315608	hyper	sig	chr10_55628022
chr2	94857386	94857386	+	9.963E-19	2.20702E-17	0.236558	hyper	sig	chr2_94857386

chr6	10419029	10419029	+	9.963E-19	2.20702E-17	0.271658	hyper	sig	chr6_10419029
chr4	13529571	13529571	+	9.971E-19	2.20871E-17	0.201806	hyper	sig	chr4_13529571
chr22	46077798	46077798	+	9.98E-19	2.2106E-17	-0.22276	hypo	sig	chr22_46077798
chr17	82302412	82302412	+	9.981E-19	2.21085E-17	-0.23808	hypo	sig	chr17_82302412
chr7	1.59E+08	158538234	+	9.983E-19	2.21113E-17	-0.21165	hypo	sig	chr7_158538234
chr1	1.19E+08	118985284	+	9.997E-19	2.21414E-17	0.223484	hyper	sig	chr1_118985284
chr11	61831458	61831458	+	9.997E-19	2.21414E-17	-0.24131	hypo	sig	chr11_61831458
chr18	77251939	77251939	+	1E-18	2.21481E-17	0.293212	hyper	sig	chr18_77251939
chr6	1.7E+08	170423066	+	1.002E-18	2.21993E-17	0.230524	hyper	sig	chr6_170423066
chr11	1343805	1343805	+	1.007E-18	2.22979E-17	-0.23071	hypo	sig	chr11_1343805
chr3	1.3E+08	129975822	+	1.008E-18	2.23136E-17	0.244537	hyper	sig	chr3_129975822
chr12	1.32E+08	132426387	+	1.009E-18	2.23514E-17	-0.22973	hypo	sig	chr12_132426387
chr9	36739761	36739761	+	1.009E-18	2.23523E-17	0.264809	hyper	sig	chr9_36739761
chr6	1625154	1625154	+	1.011E-18	2.23908E-17	0.230164	hyper	sig	chr6_1625154
chr16	86516058	86516058	+	1.011E-18	2.23953E-17	0.232309	hyper	sig	chr16_86516058
chr7	38311320	38311320	+	1.014E-18	2.24433E-17	0.271537	hyper	sig	chr7_38311320
chr11	15938075	15938075	+	1.014E-18	2.24475E-17	-0.21487	hypo	sig	chr11_15938075
chr16	2513453	2513453	+	1.014E-18	2.24475E-17	0.228673	hyper	sig	chr16_2513453
chr3	62374088	62374088	+	1.015E-18	2.24619E-17	0.211781	hyper	sig	chr3_62374088
chr5	1.23E+08	123095022	+	1.015E-18	2.24666E-17	0.228084	hyper	sig	chr5_123095022
chr5	1.74E+08	174311339	+	1.015E-18	2.24699E-17	-0.21079	hypo	sig	chr5_174311339
chr8	26010565	26010565	+	1.015E-18	2.24769E-17	0.25241	hyper	sig	chr8_26010565
chr12	38904774	38904774	+	1.016E-18	2.24827E-17	0.292467	hyper	sig	chr12_38904774
chr5	1.23E+08	123094362	+	1.016E-18	2.24965E-17	0.207499	hyper	sig	chr5_123094362
chr3	62368119	62368119	+	1.017E-18	2.25171E-17	0.260858	hyper	sig	chr3_62368119
chr16	1149592	1149592	+	1.018E-18	2.25407E-17	-0.26558	hypo	sig	chr16_1149592
chr7	1.01E+08	101299760	+	1.02E-18	2.25693E-17	0.20142	hyper	sig	chr7_101299760
chr3	1.47E+08	147391842	+	1.02E-18	2.2575E-17	0.211807	hyper	sig	chr3_147391842
chr8	1.43E+08	142500145	+	1.022E-18	2.26223E-17	0.281585	hyper	sig	chr8_142500145
chr17	1203863	1203863	+	1.024E-18	2.26602E-17	0.283335	hyper	sig	chr17_1203863
chr1	1.45E+08	145475387	+	1.025E-18	2.26708E-17	0.257379	hyper	sig	chr1_145475387
chr5	1.41E+08	141419274	+	1.028E-18	2.27382E-17	0.243293	hyper	sig	chr5_141419274
chr5	1.38E+08	137889347	+	1.028E-18	2.27397E-17	0.295778	hyper	sig	chr5_137889347
chr14	99729838	99729838	+	1.03E-18	2.27909E-17	-0.24655	hypo	sig	chr14_99729838
chr4	1.47E+08	146637392	+	1.033E-18	2.28543E-17	0.23195	hyper	sig	chr4_146637392
chr22	29581688	29581688	+	1.034E-18	2.28744E-17	-0.2264	hypo	sig	chr22_29581688
chr9	1.13E+08	112945474	+	1.035E-18	2.2897E-17	-0.25756	hypo	sig	chr9_112945474
chr1	65526127	65526127	+	1.037E-18	2.29316E-17	0.257389	hyper	sig	chr1_65526127
chr6	84763180	84763180	+	1.037E-18	2.29467E-17	0.22224	hyper	sig	chr6_84763180
chr1	1.55E+08	154770395	+	1.039E-18	2.29847E-17	-0.27593	hypo	sig	chr1_154770395
chr16	86497200	86497200	+	1.041E-18	2.30132E-17	0.232127	hyper	sig	chr16_86497200
chr1	1.75E+08	175400767	+	1.042E-18	2.30419E-17	-0.24917	hypo	sig	chr1_175400767
chr7	2110433	2110433	+	1.044E-18	2.30812E-17	-0.21559	hypo	sig	chr7_2110433
chr7	74094608	74094608	+	1.044E-18	2.30832E-17	0.24877	hyper	sig	chr7_74094608
chr6	41747623	41747623	+	1.046E-18	2.31395E-17	-0.25365	hypo	sig	chr6_41747623
chr1	50425624	50425624	+	1.048E-18	2.31623E-17	0.231951	hyper	sig	chr1_50425624
chr11	1043886	1043886	+	1.049E-18	2.31963E-17	-0.2002	hypo	sig	chr11_1043886
chr7	6842527	6842527	+	1.05E-18	2.32049E-17	-0.20379	hypo	sig	chr7_6842527
chr12	1.14E+08	113669907	+	1.05E-18	2.32183E-17	0.212212	hyper	sig	chr12_113669907
chr8	71868382	71868382	+	1.051E-18	2.32308E-17	-0.26839	hypo	sig	chr8_71868382
chr6	1.44E+08	144146203	+	1.052E-18	2.32491E-17	-0.24391	hypo	sig	chr6_144146203
chr12	62191464	62191464	+	1.055E-18	2.33311E-17	0.296874	hyper	sig	chr12_62191464
chr6	5994330	5994330	+	1.056E-18	2.33436E-17	0.232572	hyper	sig	chr6_5994330
chr16	3305216	3305216	+	1.057E-18	2.33713E-17	0.240153	hyper	sig	chr16_3305216
chr16	1427908	1427908	+	1.059E-18	2.34011E-17	-0.24095	hypo	sig	chr16_1427908
chr4	1.47E+08	146637372	+	1.064E-18	2.35021E-17	0.241439	hyper	sig	chr4_146637372

chr13	1.13E+08	113405813	+	1.068E-18	2.35956E-17	-0.22991	hypo	sig	chr13_113405813
chr4	61200699	61200699	+	1.07E-18	2.36388E-17	0.304052	hyper	sig	chr4_61200699
chr19	38569700	38569700	+	1.07E-18	2.36395E-17	-0.21749	hypo	sig	chr19_38569700
chr8	92101969	92101969	+	1.07E-18	2.36401E-17	0.205821	hyper	sig	chr8_92101969
chr10	75408785	75408785	+	1.074E-18	2.37293E-17	0.25915	hyper	sig	chr10_75408785
chr6	10422460	10422460	+	1.075E-18	2.37431E-17	0.234261	hyper	sig	chr6_10422460
chr17	81839408	81839408	+	1.077E-18	2.3785E-17	-0.20099	hypo	sig	chr17_81839408
chr17	44967354	44967354	+	1.078E-18	2.38044E-17	0.249643	hyper	sig	chr17_44967354
chr14	36666730	36666730	+	1.08E-18	2.38583E-17	0.225026	hyper	sig	chr14_36666730
chr1	3267884	3267884	+	1.082E-18	2.38965E-17	-0.20545	hypo	sig	chr1_3267884
chr5	51382637	51382637	+	1.084E-18	2.39329E-17	0.214196	hyper	sig	chr5_51382637
chr19	2213905	2213905	+	1.087E-18	2.40153E-17	0.219696	hyper	sig	chr19_2213905
chr14	1.06E+08	105772898	+	1.088E-18	2.40211E-17	-0.23643	hypo	sig	chr14_105772898
chr17	46010345	46010345	+	1.09E-18	2.4062E-17	-0.21889	hypo	sig	chr17_46010345
chr8	23705633	23705633	+	1.09E-18	2.4062E-17	0.2301	hyper	sig	chr8_23705633
chr17	48725435	48725435	+	1.091E-18	2.40873E-17	0.202751	hyper	sig	chr17_48725435
chr5	1555775	1555775	+	1.094E-18	2.4152E-17	-0.24837	hypo	sig	chr5_1555775
chr19	2513273	2513273	+	1.097E-18	2.42163E-17	-0.30497	hypo	sig	chr19_2513273
chr13	20946240	20946240	+	1.098E-18	2.4232E-17	0.28748	hyper	sig	chr13_20946240
chr11	1.34E+08	133788095	+	1.098E-18	2.42428E-17	0.241816	hyper	sig	chr11_133788095
chr16	51149420	51149420	+	1.1E-18	2.42864E-17	0.285029	hyper	sig	chr16_51149420
chr19	51034088	51034088	+	1.103E-18	2.43396E-17	-0.32468	hypo	sig	chr19_51034088
chr1	2.14E+08	213980117	+	1.105E-18	2.43845E-17	0.22478	hyper	sig	chr1_213980117
chr6	1.7E+08	169638655	+	1.108E-18	2.44504E-17	-0.2234	hypo	sig	chr6_169638655
chr1	2E+08	200038735	+	1.109E-18	2.44713E-17	0.331253	hyper	sig	chr1_200038735
chr7	19117779	19117779	+	1.117E-18	2.46567E-17	0.210279	hyper	sig	chr7_19117779
chr15	69035845	69035845	+	1.12E-18	2.47288E-17	-0.24476	hypo	sig	chr15_69035845
chr6	27213893	27213893	+	1.122E-18	2.47699E-17	0.205038	hyper	sig	chr6_27213893
chr13	78597404	78597404	+	1.123E-18	2.47814E-17	0.2615	hyper	sig	chr13_78597404
chr3	52046720	52046720	+	1.125E-18	2.48182E-17	-0.2256	hypo	sig	chr3_52046720
chr2	89611833	89611833	+	1.125E-18	2.48263E-17	0.245279	hyper	sig	chr2_89611833
chr3	1.2E+08	119810251	+	1.127E-18	2.48588E-17	0.260632	hyper	sig	chr3_119810251
chr20	3228724	3228724	+	1.127E-18	2.48625E-17	-0.22235	hypo	sig	chr20_3228724
chr10	69103943	69103943	+	1.129E-18	2.49053E-17	-0.22719	hypo	sig	chr10_69103943
chr8	1.42E+08	142173112	+	1.129E-18	2.49119E-17	-0.20465	hypo	sig	chr8_142173112
chr8	2008982	2008982	+	1.13E-18	2.4926E-17	-0.25647	hypo	sig	chr8_2008982
chr2	1.19E+08	118852115	+	1.13E-18	2.49321E-17	0.213775	hyper	sig	chr2_118852115
chr10	1.01E+08	100520034	+	1.133E-18	2.49824E-17	0.20536	hyper	sig	chr10_100520034
chr5	1.41E+08	141421237	+	1.136E-18	2.50448E-17	0.209648	hyper	sig	chr5_141421237
chr6	32394901	32394901	+	1.136E-18	2.50481E-17	-0.22404	hypo	sig	chr6_32394901
chr2	1.61E+08	161420599	+	1.136E-18	2.50552E-17	0.261717	hyper	sig	chr2_161420599
chr19	58356309	58356309	+	1.138E-18	2.50971E-17	0.212864	hyper	sig	chr19_58356309
chr12	53972976	53972976	+	1.139E-18	2.51223E-17	0.248321	hyper	sig	chr12_53972976
chr12	34394619	34394619	+	1.14E-18	2.51348E-17	-0.26293	hypo	sig	chr12_34394619
chr3	1.2E+08	119810226	+	1.143E-18	2.52074E-17	0.27556	hyper	sig	chr3_119810226
chr17	42685071	42685071	+	1.144E-18	2.52237E-17	0.253754	hyper	sig	chr17_42685071
chr10	1.19E+08	118595764	+	1.144E-18	2.52355E-17	0.286445	hyper	sig	chr10_118595764
chr19	1993040	1993040	+	1.146E-18	2.52626E-17	-0.2385	hypo	sig	chr19_1993040
chr16	85265099	85265099	+	1.147E-18	2.52862E-17	-0.23185	hypo	sig	chr16_85265099
chr15	52788752	52788752	+	1.148E-18	2.53091E-17	0.25322	hyper	sig	chr15_52788752
chr9	96020637	96020637	+	1.15E-18	2.53535E-17	0.223223	hyper	sig	chr9_96020637
chr17	82321146	82321146	+	1.15E-18	2.53558E-17	-0.27126	hypo	sig	chr17_82321146
chr17	43759055	43759055	+	1.153E-18	2.54227E-17	-0.23702	hypo	sig	chr17_43759055
chr10	1.01E+08	100659575	+	1.155E-18	2.54532E-17	0.243961	hyper	sig	chr10_100659575
chr11	46379538	46379538	+	1.155E-18	2.54711E-17	-0.22886	hypo	sig	chr11_46379538
chr17	68198787	68198787	+	1.156E-18	2.54717E-17	0.241323	hyper	sig	chr17_68198787

chr11	1683358	1683358	+	1.156E-18	2.54774E-17	-0.26317	hypo	sig	chr11_1683358
chr9	98709709	98709709	+	1.157E-18	2.55E-17	0.299266	hyper	sig	chr9_98709709
chr22	45310700	45310700	+	1.159E-18	2.55399E-17	0.228022	hyper	sig	chr22_45310700
chr20	9515871	9515871	+	1.159E-18	2.55403E-17	0.251512	hyper	sig	chr20_9515871
chr6	1.68E+08	168002058	+	1.159E-18	2.55474E-17	-0.23821	hypo	sig	chr6_168002058
chr5	88678333	88678333	+	1.163E-18	2.56187E-17	0.220047	hyper	sig	chr5_88678333
chr6	28648621	28648621	+	1.165E-18	2.56649E-17	0.301374	hyper	sig	chr6_28648621
chr6	83854180	83854180	+	1.165E-18	2.56696E-17	0.234804	hyper	sig	chr6_83854180
chr22	38412496	38412496	+	1.167E-18	2.57072E-17	-0.20281	hypo	sig	chr22_38412496
chr1	20552261	20552261	+	1.167E-18	2.57212E-17	0.304493	hyper	sig	chr1_20552261
chr10	69232445	69232445	+	1.171E-18	2.58043E-17	-0.26511	hypo	sig	chr10_69232445
chr15	45116702	45116702	+	1.173E-18	2.58429E-17	0.225939	hyper	sig	chr15_45116702
chr5	1.59E+08	159104576	+	1.175E-18	2.58901E-17	0.255449	hyper	sig	chr5_159104576
chr19	39507676	39507676	+	1.176E-18	2.59064E-17	0.20059	hyper	sig	chr19_39507676
chr6	80070496	80070496	+	1.18E-18	2.59766E-17	-0.22077	hypo	sig	chr6_80070496
chr5	1.79E+08	178577113	+	1.18E-18	2.59894E-17	0.260124	hyper	sig	chr5_178577113
chr1	2.12E+08	211514703	+	1.18E-18	2.59967E-17	-0.22782	hypo	sig	chr1_211514703
chr21	38664557	38664557	+	1.182E-18	2.60361E-17	-0.28468	hypo	sig	chr21_38664557
chr18	9707937	9707937	+	1.182E-18	2.60379E-17	0.228248	hyper	sig	chr18_9707937
chr4	7129391	7129391	+	1.183E-18	2.60484E-17	-0.2352	hypo	sig	chr4_7129391
chr4	7772940	7772940	+	1.184E-18	2.60649E-17	0.228882	hyper	sig	chr4_7772940
chr7	1.54E+08	153887329	+	1.185E-18	2.60873E-17	0.300916	hyper	sig	chr7_153887329
chr11	269353	269353	+	1.189E-18	2.61736E-17	-0.21346	hypo	sig	chr11_269353
chr8	1.23E+08	123182063	+	1.193E-18	2.62642E-17	-0.23266	hypo	sig	chr8_123182063
chr5	93587807	93587807	+	1.193E-18	2.62652E-17	0.240087	hyper	sig	chr5_93587807
chr7	86643908	86643908	+	1.193E-18	2.62718E-17	0.205273	hyper	sig	chr7_86643908
chr11	56700468	56700468	+	1.195E-18	2.63023E-17	-0.21232	hypo	sig	chr11_56700468
chr9	88991148	88991148	+	1.196E-18	2.63268E-17	0.231347	hyper	sig	chr9_88991148
chr16	86504713	86504713	+	1.205E-18	2.65258E-17	0.209225	hyper	sig	chr16_86504713
chr10	13891021	13891021	+	1.205E-18	2.65271E-17	0.200903	hyper	sig	chr10_13891021
chr4	6463602	6463602	+	1.206E-18	2.65503E-17	-0.20039	hypo	sig	chr4_6463602
chr17	62667340	62667340	+	1.208E-18	2.65804E-17	-0.24652	hypo	sig	chr17_62667340
chr3	1.34E+08	133746516	+	1.21E-18	2.66317E-17	0.277437	hyper	sig	chr3_133746516
chr12	1.27E+08	126736870	+	1.213E-18	2.66978E-17	-0.26366	hypo	sig	chr12_126736870
chr13	27919179	27919179	+	1.216E-18	2.67532E-17	0.318605	hyper	sig	chr13_27919179
chr2	31139292	31139292	+	1.216E-18	2.676E-17	-0.24923	hypo	sig	chr2_31139292
chr13	1.13E+08	113402609	+	1.218E-18	2.67994E-17	-0.21302	hypo	sig	chr13_113402609
chr11	5580893	5580893	+	1.22E-18	2.68331E-17	-0.22071	hypo	sig	chr11_5580893
chr13	36346669	36346669	+	1.22E-18	2.68345E-17	0.261904	hyper	sig	chr13_36346669
chr4	65668490	65668490	+	1.222E-18	2.68882E-17	0.210121	hyper	sig	chr4_65668490
chr16	85162496	85162496	+	1.224E-18	2.6921E-17	-0.23292	hypo	sig	chr16_85162496
chr14	52790692	52790692	+	1.226E-18	2.69601E-17	-0.33295	hypo	sig	chr14_52790692
chr12	49091230	49091230	+	1.226E-18	2.69753E-17	0.2112	hyper	sig	chr12_49091230
chr7	1.22E+08	122299743	+	1.226E-18	2.69753E-17	0.202425	hyper	sig	chr7_122299743
chr22	17370765	17370765	+	1.228E-18	2.70042E-17	0.225331	hyper	sig	chr22_17370765
chr8	11705478	11705478	+	1.228E-18	2.70184E-17	0.218789	hyper	sig	chr8_11705478
chr11	8037134	8037134	+	1.229E-18	2.70269E-17	-0.23833	hypo	sig	chr11_8037134
chr5	36692966	36692966	+	1.23E-18	2.70468E-17	0.246273	hyper	sig	chr5_36692966
chr4	1.47E+08	146637281	+	1.231E-18	2.70674E-17	0.301884	hyper	sig	chr4_146637281
chr6	83709610	83709610	+	1.232E-18	2.70952E-17	0.205581	hyper	sig	chr6_83709610
chr7	1.57E+08	157004389	+	1.233E-18	2.71078E-17	0.202875	hyper	sig	chr7_157004389
chr3	27730414	27730414	+	1.233E-18	2.71092E-17	0.290098	hyper	sig	chr3_27730414
chr8	26451660	26451660	+	1.233E-18	2.71138E-17	-0.27621	hypo	sig	chr8_26451660
chr10	86263165	86263165	+	1.24E-18	2.7255E-17	0.219447	hyper	sig	chr10_86263165
chr15	68574653	68574653	+	1.242E-18	2.72983E-17	-0.28209	hypo	sig	chr15_68574653
chr6	32047352	32047352	+	1.243E-18	2.73324E-17	-0.25557	hypo	sig	chr6_32047352

chr20	45298017	45298017	+	1.245E-18	2.7363E-17	-0.24227	hypo	sig	chr20_45298017
chr9	1.34E+08	133673250	+	1.248E-18	2.74325E-17	-0.24511	hypo	sig	chr9_133673250
chr2	2.28E+08	228181725	+	1.249E-18	2.74468E-17	0.244718	hyper	sig	chr2_228181725
chr8	1.38E+08	138496612	+	1.249E-18	2.74589E-17	0.209203	hyper	sig	chr8_138496612
chr20	51003954	51003954	+	1.25E-18	2.74756E-17	-0.20435	hypo	sig	chr20_51003954
chr11	1.16E+08	115660269	+	1.253E-18	2.75381E-17	0.21147	hyper	sig	chr11_115660269
chr11	1084909	1084909	+	1.253E-18	2.75495E-17	-0.20351	hypo	sig	chr11_1084909
chr16	3184007	3184007	+	1.255E-18	2.75774E-17	0.283795	hyper	sig	chr16_3184007
chr14	23119847	23119847	+	1.257E-18	2.76137E-17	0.227398	hyper	sig	chr14_23119847
chr16	51149517	51149517	+	1.26E-18	2.76968E-17	0.258947	hyper	sig	chr16_51149517
chr11	32433622	32433622	+	1.262E-18	2.77267E-17	0.276753	hyper	sig	chr11_32433622
chr6	30111648	30111648	+	1.262E-18	2.77271E-17	-0.23618	hypo	sig	chr6_30111648
chr14	1.04E+08	104213768	+	1.262E-18	2.77338E-17	-0.23985	hypo	sig	chr14_104213768
chr16	1257603	1257603	+	1.262E-18	2.77343E-17	-0.2053	hypo	sig	chr16_1257603
chr17	62667331	62667331	+	1.263E-18	2.77464E-17	-0.24701	hypo	sig	chr17_62667331
chr5	1.23E+08	123095107	+	1.263E-18	2.77556E-17	0.230266	hyper	sig	chr5_123095107
chr10	1.34E+08	133527281	+	1.265E-18	2.77884E-17	-0.23736	hypo	sig	chr10_133527281
chr19	5290510	5290510	+	1.265E-18	2.77979E-17	-0.22407	hypo	sig	chr19_5290510
chr5	1.41E+08	141388285	+	1.268E-18	2.78423E-17	0.237975	hyper	sig	chr5_141388285
chr14	41606607	41606607	+	1.27E-18	2.78864E-17	0.296287	hyper	sig	chr14_41606607
chr2	44932633	44932633	+	1.27E-18	2.78869E-17	0.253413	hyper	sig	chr2_44932633
chr11	733284	733284	+	1.27E-18	2.78946E-17	-0.21335	hypo	sig	chr11_733284
chr15	1.01E+08	101088397	+	1.27E-18	2.78966E-17	0.260161	hyper	sig	chr15_101088397
chr1	1.83E+08	183416937	+	1.271E-18	2.79033E-17	0.204265	hyper	sig	chr1_183416937
chr6	1.06E+08	105981237	+	1.279E-18	2.80867E-17	0.290808	hyper	sig	chr6_105981237
chr2	1.28E+08	127681685	+	1.279E-18	2.80901E-17	-0.22361	hypo	sig	chr2_127681685
chr12	1.1E+08	109606834	+	1.282E-18	2.81543E-17	-0.26074	hypo	sig	chr12_109606834
chr18	11752194	11752194	+	1.282E-18	2.81561E-17	0.201272	hyper	sig	chr18_11752194
chr7	49774951	49774951	+	1.284E-18	2.8195E-17	0.20418	hyper	sig	chr7_49774951
chr5	493170	493170	+	1.287E-18	2.82533E-17	-0.25078	hypo	sig	chr5_493170
chr4	28823298	28823298	+	1.289E-18	2.82989E-17	-0.22654	hypo	sig	chr4_28823298
chr5	73381469	73381469	+	1.289E-18	2.82989E-17	0.229262	hyper	sig	chr5_73381469
chr5	1.42E+08	141512770	+	1.289E-18	2.83016E-17	0.254097	hyper	sig	chr5_141512770
chr5	44389165	44389165	+	1.29E-18	2.83082E-17	0.251134	hyper	sig	chr5_44389165
chr3	22990159	22990159	+	1.291E-18	2.83299E-17	-0.24868	hypo	sig	chr3_22990159
chr12	5430958	5430958	+	1.291E-18	2.83355E-17	0.227923	hyper	sig	chr12_5430958
chr7	4792753	4792753	+	1.291E-18	2.83355E-17	0.225809	hyper	sig	chr7_4792753
chr10	1.02E+08	101829936	+	1.292E-18	2.83503E-17	0.219379	hyper	sig	chr10_101829936
chr15	52788068	52788068	+	1.292E-18	2.83515E-17	0.337792	hyper	sig	chr15_52788068
chr2	2.2E+08	219562067	+	1.293E-18	2.83663E-17	-0.27464	hypo	sig	chr2_219562067
chr15	82710176	82710176	+	1.297E-18	2.84634E-17	0.248822	hyper	sig	chr15_82710176
chr19	13014441	13014441	+	1.298E-18	2.84797E-17	0.265792	hyper	sig	chr19_13014441
chr1	1.19E+08	118985261	+	1.3E-18	2.85304E-17	0.214615	hyper	sig	chr1_118985261
chr8	70072091	70072091	+	1.3E-18	2.85304E-17	0.23111	hyper	sig	chr8_70072091
chr1	3068235	3068235	+	1.304E-18	2.86032E-17	0.224716	hyper	sig	chr1_3068235
chr12	54060590	54060590	+	1.305E-18	2.86268E-17	0.233255	hyper	sig	chr12_54060590
chr12	1.32E+08	132396051	+	1.305E-18	2.86345E-17	-0.20773	hypo	sig	chr12_132396051
chr10	1.33E+08	132935141	+	1.306E-18	2.86389E-17	-0.23242	hypo	sig	chr10_132935141
chr1	15101699	15101699	+	1.306E-18	2.86566E-17	-0.2194	hypo	sig	chr1_15101699
chr19	51647381	51647381	+	1.308E-18	2.86839E-17	-0.23091	hypo	sig	chr19_51647381
chr16	31430633	31430633	+	1.308E-18	2.8699E-17	-0.20025	hypo	sig	chr16_31430633
chr7	2460143	2460143	+	1.311E-18	2.87613E-17	-0.21722	hypo	sig	chr7_2460143
chr9	1.25E+08	124505371	+	1.313E-18	2.87974E-17	0.222435	hyper	sig	chr9_124505371
chr2	662770	662770	+	1.313E-18	2.8798E-17	-0.22251	hypo	sig	chr2_662770
chr14	41605891	41605891	+	1.313E-18	2.88035E-17	0.224217	hyper	sig	chr14_41605891
chr8	53877191	53877191	+	1.313E-18	2.88035E-17	0.360104	hyper	sig	chr8_53877191

chr5	41509832	41509832	+	1.319E-18	2.89311E-17	0.217439	hyper	sig	chr5_41509832
chr7	1224449	1224449	+	1.32E-18	2.89526E-17	0.215014	hyper	sig	chr7_1224449
chr3	1.98E+08	197520046	+	1.326E-18	2.90737E-17	-0.32146	hypo	sig	chr3_197520046
chr17	6706427	6706427	+	1.326E-18	2.90794E-17	-0.24152	hypo	sig	chr17_6706427
chr8	55939619	55939619	+	1.327E-18	2.90979E-17	0.227591	hyper	sig	chr8_55939619
chr20	46173909	46173909	+	1.328E-18	2.91062E-17	-0.23397	hypo	sig	chr20_46173909
chr19	5245902	5245902	+	1.328E-18	2.9121E-17	-0.22402	hypo	sig	chr19_5245902
chr1	1.01E+08	101237108	+	1.329E-18	2.91284E-17	0.20899	hyper	sig	chr1_101237108
chr18	11752128	11752128	+	1.333E-18	2.9223E-17	0.271478	hyper	sig	chr18_11752128
chr5	73444951	73444951	+	1.335E-18	2.92689E-17	0.264535	hyper	sig	chr5_73444951
chr16	87667270	87667270	+	1.338E-18	2.93291E-17	-0.23324	hypo	sig	chr16_87667270
chr21	33025476	33025476	+	1.339E-18	2.93548E-17	0.237956	hyper	sig	chr21_33025476
chr1	2.05E+08	205349760	+	1.34E-18	2.93666E-17	-0.2609	hypo	sig	chr1_205349760
chr10	1.32E+08	132373437	+	1.34E-18	2.93682E-17	-0.22094	hypo	sig	chr10_132373437
chr11	32431323	32431323	+	1.341E-18	2.93837E-17	0.20042	hyper	sig	chr11_32431323
chr2	2.32E+08	231707597	+	1.343E-18	2.94197E-17	-0.22048	hypo	sig	chr2_231707597
chr6	1.26E+08	125534275	+	1.343E-18	2.94249E-17	0.212282	hyper	sig	chr6_125534275
chr16	1060856	1060856	+	1.344E-18	2.94398E-17	-0.21582	hypo	sig	chr16_1060856
chr11	64972094	64972094	+	1.345E-18	2.94641E-17	0.337884	hyper	sig	chr11_64972094
chr12	81758617	81758617	+	1.349E-18	2.95575E-17	0.206977	hyper	sig	chr12_81758617
chr2	1.05E+08	104842730	+	1.349E-18	2.95645E-17	0.24916	hyper	sig	chr2_104842730
chr17	65549558	65549558	+	1.35E-18	2.95677E-17	-0.21463	hypo	sig	chr17_65549558
chr13	36432076	36432076	+	1.351E-18	2.96017E-17	0.266683	hyper	sig	chr13_36432076
chr16	88672925	88672925	+	1.351E-18	2.96046E-17	-0.21901	hypo	sig	chr16_88672925
chr2	1.76E+08	176072784	+	1.352E-18	2.96165E-17	-0.24402	hypo	sig	chr2_176072784
chr5	77632656	77632656	+	1.352E-18	2.96169E-17	0.280816	hyper	sig	chr5_77632656
chr13	26742954	26742954	+	1.355E-18	2.96809E-17	0.26295	hyper	sig	chr13_26742954
chr17	83075706	83075706	+	1.357E-18	2.97238E-17	-0.26164	hypo	sig	chr17_83075706
chr6	1.06E+08	105981561	+	1.357E-18	2.97238E-17	0.216629	hyper	sig	chr6_105981561
chr1	29134477	29134477	+	1.358E-18	2.97318E-17	-0.25246	hypo	sig	chr1_29134477
chr19	15476034	15476034	+	1.358E-18	2.97318E-17	-0.23569	hypo	sig	chr19_15476034
chr9	93346202	93346202	+	1.358E-18	2.97326E-17	0.300867	hyper	sig	chr9_93346202
chr3	1.38E+08	137771594	+	1.358E-18	2.97382E-17	0.234492	hyper	sig	chr3_137771594
chr18	59273128	59273128	+	1.36E-18	2.97742E-17	0.235778	hyper	sig	chr18_59273128
chr1	1.11E+08	111271204	+	1.36E-18	2.97762E-17	0.278206	hyper	sig	chr1_111271204
chr12	1.31E+08	131088906	+	1.36E-18	2.97766E-17	-0.23586	hypo	sig	chr12_131088906
chr1	1069890	1069890	+	1.361E-18	2.97989E-17	-0.26559	hypo	sig	chr1_1069890
chr1	2.14E+08	213980101	+	1.361E-18	2.97989E-17	0.224619	hyper	sig	chr1_213980101
chr22	27678146	27678146	+	1.361E-18	2.98082E-17	0.224924	hyper	sig	chr22_27678146
chr9	1.28E+08	128394526	+	1.362E-18	2.98188E-17	-0.25859	hypo	sig	chr9_128394526
chr7	1.57E+08	157020336	+	1.363E-18	2.98433E-17	0.207225	hyper	sig	chr7_157020336
chr4	1407699	1407699	+	1.365E-18	2.98763E-17	0.334362	hyper	sig	chr4_1407699
chr12	1.32E+08	132261069	+	1.368E-18	2.99444E-17	-0.22198	hypo	sig	chr12_132261069
chr13	1.12E+08	111561765	+	1.371E-18	3.00025E-17	-0.23483	hypo	sig	chr13_111561765
chr2	1.76E+08	176084031	+	1.372E-18	3.00362E-17	0.215566	hyper	sig	chr2_176084031
chr7	49775115	49775115	+	1.374E-18	3.00754E-17	0.232571	hyper	sig	chr7_49775115
chr19	19211984	19211984	+	1.377E-18	3.01395E-17	0.221922	hyper	sig	chr19_19211984
chr17	40375952	40375952	+	1.377E-18	3.0147E-17	-0.28584	hypo	sig	chr17_40375952
chr3	1.92E+08	192408923	+	1.378E-18	3.01651E-17	0.2191	hyper	sig	chr3_192408923
chr17	78232226	78232226	+	1.38E-18	3.02054E-17	0.267302	hyper	sig	chr17_78232226
chr6	1.63E+08	163150432	+	1.381E-18	3.02126E-17	-0.29216	hypo	sig	chr6_163150432
chr18	47260556	47260556	+	1.384E-18	3.02803E-17	0.229392	hyper	sig	chr18_47260556
chr20	21608528	21608528	+	1.384E-18	3.02854E-17	-0.28978	hypo	sig	chr20_21608528
chr21	25640586	25640586	+	1.384E-18	3.0287E-17	0.241475	hyper	sig	chr21_25640586
chr16	85162486	85162486	+	1.385E-18	3.02924E-17	-0.24475	hypo	sig	chr16_85162486
chr13	1.12E+08	111893704	+	1.387E-18	3.03392E-17	0.202775	hyper	sig	chr13_111893704

chr8	1.33E+08	133298493	+	1.389E-18	3.03906E-17	-0.21984	hypo	sig	chr8_133298493
chr10	1.33E+08	133164626	+	1.394E-18	3.04876E-17	-0.24667	hypo	sig	chr10_133164626
chr20	46513366	46513366	+	1.394E-18	3.04921E-17	0.264122	hyper	sig	chr20_46513366
chr11	2144424	2144424	+	1.395E-18	3.05064E-17	0.220338	hyper	sig	chr11_2144424
chr12	62191340	62191340	+	1.395E-18	3.05181E-17	0.23865	hyper	sig	chr12_62191340
chr11	20160689	20160689	+	1.399E-18	3.05915E-17	0.270726	hyper	sig	chr11_20160689
chr11	1.13E+08	113275134	+	1.401E-18	3.06506E-17	-0.27565	hypo	sig	chr11_113275134
chr1	46485699	46485699	+	1.402E-18	3.06633E-17	0.208671	hyper	sig	chr1_46485699
chr18	8718599	8718599	+	1.402E-18	3.06691E-17	-0.31319	hypo	sig	chr18_8718599
chr19	31353066	31353066	+	1.408E-18	3.07925E-17	0.267053	hyper	sig	chr19_31353066
chr1	2323345	2323345	+	1.409E-18	3.08107E-17	-0.24585	hypo	sig	chr1_2323345
chr4	1309703	1309703	+	1.41E-18	3.084E-17	0.273631	hyper	sig	chr4_1309703
chr5	44388982	44388982	+	1.412E-18	3.08685E-17	0.262076	hyper	sig	chr5_44388982
chr5	1.41E+08	141364702	+	1.412E-18	3.08685E-17	0.269065	hyper	sig	chr5_141364702
chr14	1.05E+08	104844329	+	1.416E-18	3.09465E-17	0.272417	hyper	sig	chr14_104844329
chr6	34155770	34155770	+	1.42E-18	3.10334E-17	-0.22287	hypo	sig	chr6_34155770
chr5	1.29E+08	128537619	+	1.42E-18	3.10393E-17	0.209993	hyper	sig	chr5_128537619
chr5	1.41E+08	141402909	+	1.421E-18	3.10572E-17	0.202265	hyper	sig	chr5_141402909
chr5	1.81E+08	181109117	+	1.421E-18	3.10577E-17	-0.23663	hypo	sig	chr5_181109117
chr15	82949185	82949185	+	1.421E-18	3.10579E-17	-0.27134	hypo	sig	chr15_82949185
chr14	56809567	56809567	+	1.422E-18	3.1076E-17	0.358681	hyper	sig	chr14_56809567
chr13	52849976	52849976	+	1.422E-18	3.10856E-17	0.227409	hyper	sig	chr13_52849976
chr2	70768072	70768072	+	1.424E-18	3.11281E-17	0.219896	hyper	sig	chr2_70768072
chr12	53945883	53945883	+	1.424E-18	3.1129E-17	0.252634	hyper	sig	chr12_53945883
chr4	1.45E+08	144645343	+	1.429E-18	3.12304E-17	0.21323	hyper	sig	chr4_144645343
chr2	46697982	46697982	+	1.433E-18	3.13125E-17	-0.3061	hypo	sig	chr2_46697982
chr8	48870599	48870599	+	1.434E-18	3.13371E-17	0.308969	hyper	sig	chr8_48870599
chr5	1.71E+08	171308124	+	1.434E-18	3.13418E-17	0.257875	hyper	sig	chr5_171308124
chr6	10390010	10390010	+	1.435E-18	3.13501E-17	0.306707	hyper	sig	chr6_10390010
chr2	2.32E+08	231662698	+	1.435E-18	3.13532E-17	-0.21441	hypo	sig	chr2_231662698
chr2	2.13E+08	212536601	+	1.436E-18	3.13701E-17	0.248036	hyper	sig	chr2_212536601
chr1	90724672	90724672	+	1.437E-18	3.13887E-17	0.215078	hyper	sig	chr1_90724672
chr20	17227961	17227961	+	1.438E-18	3.1404E-17	0.245219	hyper	sig	chr20_17227961
chr3	1.7E+08	169814036	+	1.438E-18	3.1404E-17	-0.30698	hypo	sig	chr3_169814036
chr12	53936070	53936070	+	1.44E-18	3.14568E-17	0.275926	hyper	sig	chr12_53936070
chr3	13282202	13282202	+	1.445E-18	3.15692E-17	0.313516	hyper	sig	chr3_13282202
chr1	3248898	3248898	+	1.448E-18	3.16188E-17	-0.22831	hypo	sig	chr1_3248898
chr17	48722084	48722084	+	1.449E-18	3.16391E-17	0.331155	hyper	sig	chr17_48722084
chr14	1.04E+08	104390259	+	1.449E-18	3.16457E-17	-0.25778	hypo	sig	chr14_104390259
chr17	56590480	56590480	+	1.452E-18	3.17191E-17	-0.21911	hypo	sig	chr17_56590480
chr11	1.12E+08	111540304	+	1.458E-18	3.18319E-17	0.215435	hyper	sig	chr11_111540304
chr20	22569482	22569482	+	1.459E-18	3.1867E-17	-0.21437	hypo	sig	chr20_22569482
chr16	49278418	49278418	+	1.46E-18	3.1874E-17	0.289854	hyper	sig	chr16_49278418
chr12	53955523	53955523	+	1.462E-18	3.19211E-17	0.258798	hyper	sig	chr12_53955523
chr10	70283818	70283818	+	1.464E-18	3.19594E-17	0.274343	hyper	sig	chr10_70283818
chr10	49679446	49679446	+	1.464E-18	3.19668E-17	0.225633	hyper	sig	chr10_49679446
chr1	35577530	35577530	+	1.464E-18	3.19767E-17	0.23147	hyper	sig	chr1_35577530
chr1	1.97E+08	196878052	+	1.466E-18	3.20058E-17	0.251686	hyper	sig	chr1_196878052
chr13	48319036	48319036	+	1.466E-18	3.20107E-17	0.218294	hyper	sig	chr13_48319036
chr17	48575055	48575055	+	1.467E-18	3.20272E-17	-0.20163	hypo	sig	chr17_48575055
chr9	1.36E+08	136179004	+	1.467E-18	3.20272E-17	-0.22208	hypo	sig	chr9_136179004
chr4	54232154	54232154	+	1.467E-18	3.20349E-17	0.220447	hyper	sig	chr4_54232154
chr5	1555727	1555727	+	1.468E-18	3.20508E-17	-0.21347	hypo	sig	chr5_1555727
chr8	1.42E+08	142454076	+	1.47E-18	3.2091E-17	-0.21398	hypo	sig	chr8_142454076
chr10	11742018	11742018	+	1.471E-18	3.21133E-17	0.219365	hyper	sig	chr10_11742018
chr19	11143133	11143133	+	1.472E-18	3.21416E-17	-0.28907	hypo	sig	chr19_11143133

chr13	50127474	50127474	+	1.473E-18	3.21544E-17	0.305347	hyper	sig	chr13_50127474
chr5	1.5E+08	150082617	+	1.475E-18	3.22037E-17	-0.25	hypo	sig	chr5_150082617
chr5	1.79E+08	178502807	+	1.481E-18	3.23155E-17	-0.22077	hypo	sig	chr5_178502807
chr16	88449883	88449883	+	1.482E-18	3.23523E-17	-0.21488	hypo	sig	chr16_88449883
chr6	1.66E+08	165819705	+	1.483E-18	3.23668E-17	0.277831	hyper	sig	chr6_165819705
chr19	53058258	53058258	+	1.487E-18	3.2446E-17	0.347053	hyper	sig	chr19_53058258
chr1	1.65E+08	165355223	+	1.487E-18	3.24508E-17	0.217982	hyper	sig	chr1_165355223
chr6	32148996	32148996	+	1.49E-18	3.25064E-17	0.2855	hyper	sig	chr6_32148996
chr6	26556601	26556601	+	1.491E-18	3.25245E-17	0.218569	hyper	sig	chr6_26556601
chr12	42287401	42287401	+	1.491E-18	3.2535E-17	-0.2688	hypo	sig	chr12_42287401
chr1	1.19E+08	118980221	+	1.491E-18	3.25369E-17	0.344903	hyper	sig	chr1_118980221
chr18	50298747	50298747	+	1.492E-18	3.25464E-17	0.22426	hyper	sig	chr18_50298747
chr8	48735020	48735020	+	1.492E-18	3.2547E-17	0.203437	hyper	sig	chr8_48735020
chr12	1.17E+08	117359404	+	1.492E-18	3.25536E-17	0.235268	hyper	sig	chr12_117359404
chr1	1.1E+08	110151123	+	1.493E-18	3.25588E-17	0.206471	hyper	sig	chr1_110151123
chr20	63255246	63255246	+	1.496E-18	3.26309E-17	0.208738	hyper	sig	chr20_63255246
chr1	3565126	3565126	+	1.501E-18	3.27458E-17	-0.21073	hypo	sig	chr1_3565126
chr7	2628015	2628015	+	1.502E-18	3.27489E-17	-0.29109	hypo	sig	chr7_2628015
chr3	1.72E+08	172448113	+	1.502E-18	3.27665E-17	0.29288	hyper	sig	chr3_172448113
chr6	98842745	98842745	+	1.505E-18	3.28102E-17	0.238284	hyper	sig	chr6_98842745
chr16	1941454	1941454	+	1.505E-18	3.28264E-17	-0.20032	hypo	sig	chr16_1941454
chr14	1.06E+08	105528912	+	1.508E-18	3.28806E-17	0.205241	hyper	sig	chr14_105528912
chr20	38674346	38674346	+	1.517E-18	3.30734E-17	0.230254	hyper	sig	chr20_38674346
chr1	26410827	26410827	+	1.522E-18	3.31863E-17	0.277489	hyper	sig	chr1_26410827
chr8	1.33E+08	133479120	+	1.528E-18	3.33132E-17	-0.21756	hypo	sig	chr8_133479120
chr5	1.73E+08	173245544	+	1.528E-18	3.33167E-17	0.248953	hyper	sig	chr5_173245544
chr7	39410537	39410537	+	1.528E-18	3.33167E-17	-0.30663	hypo	sig	chr7_39410537
chr16	87518082	87518082	+	1.529E-18	3.33306E-17	-0.2696	hypo	sig	chr16_87518082
chr12	1.31E+08	131125256	+	1.53E-18	3.33519E-17	-0.21793	hypo	sig	chr12_131125256
chr1	47433926	47433926	+	1.532E-18	3.34006E-17	0.297194	hyper	sig	chr1_47433926
chr8	85438315	85438315	+	1.533E-18	3.34101E-17	0.227276	hyper	sig	chr8_85438315
chr9	1.3E+08	129675797	+	1.535E-18	3.34444E-17	-0.27353	hypo	sig	chr9_129675797
chr19	3825632	3825632	+	1.535E-18	3.34469E-17	-0.26508	hypo	sig	chr19_3825632
chr3	48273433	48273433	+	1.537E-18	3.35014E-17	-0.24506	hypo	sig	chr3_48273433
chr21	34884019	34884019	+	1.546E-18	3.3687E-17	-0.22827	hypo	sig	chr21_34884019
chr1	3673412	3673412	+	1.547E-18	3.37005E-17	-0.22391	hypo	sig	chr1_3673412
chr7	1.5E+08	149714192	+	1.547E-18	3.37094E-17	0.33307	hyper	sig	chr7_149714192
chr12	1.15E+08	114687336	+	1.549E-18	3.37511E-17	0.221223	hyper	sig	chr12_114687336
chr16	86566669	86566669	+	1.549E-18	3.37511E-17	0.224552	hyper	sig	chr16_86566669
chr10	68562153	68562153	+	1.559E-18	3.39671E-17	0.271406	hyper	sig	chr10_68562153
chr20	46035814	46035814	+	1.56E-18	3.39731E-17	-0.20416	hypo	sig	chr20_46035814
chr19	53978648	53978648	+	1.561E-18	3.40098E-17	0.283648	hyper	sig	chr19_53978648
chr12	80708914	80708914	+	1.562E-18	3.40138E-17	0.25387	hyper	sig	chr12_80708914
chr12	1.32E+08	132250167	+	1.562E-18	3.40229E-17	-0.25025	hypo	sig	chr12_132250167
chr13	57631010	57631010	+	1.568E-18	3.41487E-17	0.273914	hyper	sig	chr13_57631010
chr11	67731442	67731442	+	1.571E-18	3.42169E-17	-0.22825	hypo	sig	chr11_67731442
chr2	1E+08	100417821	+	1.572E-18	3.42348E-17	0.206113	hyper	sig	chr2_100417821
chr14	41605503	41605503	+	1.573E-18	3.42477E-17	0.204789	hyper	sig	chr14_41605503
chr14	28778238	28778238	+	1.573E-18	3.42507E-17	0.242599	hyper	sig	chr14_28778238
chr8	64379455	64379455	+	1.574E-18	3.42656E-17	0.211334	hyper	sig	chr8_64379455
chr10	1.32E+08	132236446	+	1.574E-18	3.42686E-17	-0.24064	hypo	sig	chr10_132236446
chr14	99319856	99319856	+	1.575E-18	3.43045E-17	-0.2314	hypo	sig	chr14_99319856
chr22	48671210	48671210	+	1.577E-18	3.43306E-17	-0.24817	hypo	sig	chr22_48671210
chr15	93074785	93074785	+	1.577E-18	3.43336E-17	-0.28224	hypo	sig	chr15_93074785
chr6	35780899	35780899	+	1.578E-18	3.43623E-17	-0.22555	hypo	sig	chr6_35780899
chr7	1.55E+08	155167233	+	1.579E-18	3.43857E-17	-0.20375	hypo	sig	chr7_155167233

chr4	1.11E+08	110615185	+	1.58E-18	3.43981E-17	0.222974	hyper	sig	chr4_110615185
chr9	1.37E+08	137138912	+	1.58E-18	3.43981E-17	0.270785	hyper	sig	chr9_137138912
chr10	1.33E+08	133326212	+	1.581E-18	3.44116E-17	0.208723	hyper	sig	chr10_133326212
chr10	8520832	8520832	+	1.589E-18	3.45828E-17	-0.27538	hypo	sig	chr10_8520832
chr6	31971503	31971503	+	1.591E-18	3.46229E-17	-0.20968	hypo	sig	chr6_31971503
chr16	87913524	87913524	+	1.591E-18	3.46242E-17	-0.20975	hypo	sig	chr16_87913524
chr19	57888578	57888578	+	1.591E-18	3.46279E-17	0.229642	hyper	sig	chr19_57888578
chr8	37841102	37841102	+	1.592E-18	3.46537E-17	-0.20828	hypo	sig	chr8_37841102
chr14	1.05E+08	104730135	+	1.6E-18	3.48113E-17	-0.27291	hypo	sig	chr14_104730135
chr17	48582631	48582631	+	1.6E-18	3.48113E-17	-0.22057	hypo	sig	chr17_48582631
chr18	75205217	75205217	+	1.602E-18	3.48637E-17	0.205364	hyper	sig	chr18_75205217
chr10	1.01E+08	100659534	+	1.606E-18	3.49535E-17	0.272858	hyper	sig	chr10_100659534
chr1	75133982	75133982	+	1.608E-18	3.49801E-17	0.204381	hyper	sig	chr1_75133982
chr5	16180310	16180310	+	1.613E-18	3.50984E-17	0.255153	hyper	sig	chr5_16180310
chr16	54932750	54932750	+	1.614E-18	3.51139E-17	0.257027	hyper	sig	chr16_54932750
chr19	57363870	57363870	+	1.614E-18	3.51144E-17	0.211828	hyper	sig	chr19_57363870
chr5	38557326	38557326	+	1.618E-18	3.52003E-17	0.227881	hyper	sig	chr5_38557326
chr19	58118611	58118611	+	1.619E-18	3.52174E-17	0.227025	hyper	sig	chr19_58118611
chr19	55547365	55547365	+	1.619E-18	3.52289E-17	-0.26331	hypo	sig	chr19_55547365
chr17	42685104	42685104	+	1.621E-18	3.52678E-17	0.270259	hyper	sig	chr17_42685104
chr6	33180996	33180996	+	1.625E-18	3.53411E-17	-0.27425	hypo	sig	chr6_33180996
chr2	1.24E+08	124025621	+	1.625E-18	3.53537E-17	0.325235	hyper	sig	chr2_124025621
chr8	48923514	48923514	+	1.63E-18	3.54639E-17	-0.26722	hypo	sig	chr8_48923514
chr6	28865563	28865563	+	1.63E-18	3.54659E-17	-0.30411	hypo	sig	chr6_28865563
chr5	1.81E+08	180629323	+	1.631E-18	3.54857E-17	-0.22908	hypo	sig	chr5_180629323
chr6	10417096	10417096	+	1.632E-18	3.55052E-17	0.289987	hyper	sig	chr6_10417096
chr4	44447578	44447578	+	1.633E-18	3.5512E-17	0.296571	hyper	sig	chr4_44447578
chr17	78561052	78561052	+	1.636E-18	3.55875E-17	-0.24618	hypo	sig	chr17_78561052
chr19	52453744	52453744	+	1.637E-18	3.55984E-17	0.395836	hyper	sig	chr19_52453744
chr5	37834836	37834836	+	1.64E-18	3.56604E-17	0.2108	hyper	sig	chr5_37834836
chr12	53955423	53955423	+	1.641E-18	3.56777E-17	0.24621	hyper	sig	chr12_53955423
chr2	1E+08	100321168	+	1.642E-18	3.57065E-17	0.242911	hyper	sig	chr2_100321168
chr6	1.68E+08	168035664	+	1.643E-18	3.5723E-17	-0.26047	hypo	sig	chr6_168035664
chr8	1.43E+08	143417781	+	1.643E-18	3.57345E-17	-0.25497	hypo	sig	chr8_143417781
chr8	70072745	70072745	+	1.647E-18	3.5803E-17	0.256952	hyper	sig	chr8_70072745
chr21	26967917	26967917	+	1.648E-18	3.58224E-17	0.241403	hyper	sig	chr21_26967917
chr19	18225547	18225547	+	1.651E-18	3.58886E-17	0.267984	hyper	sig	chr19_18225547
chr1	38575727	38575727	+	1.651E-18	3.58952E-17	-0.27833	hypo	sig	chr1_38575727
chr7	1.55E+08	155465725	+	1.652E-18	3.59115E-17	0.220035	hyper	sig	chr7_155465725
chr2	1.82E+08	181679629	+	1.653E-18	3.59359E-17	0.203175	hyper	sig	chr2_181679629
chr16	86507831	86507831	+	1.656E-18	3.59933E-17	0.244522	hyper	sig	chr16_86507831
chr10	89833506	89833506	+	1.656E-18	3.5996E-17	-0.2746	hypo	sig	chr10_89833506
chr4	87846487	87846487	+	1.662E-18	3.61301E-17	-0.2844	hypo	sig	chr4_87846487
chr11	94401528	94401528	+	1.663E-18	3.6146E-17	0.246256	hyper	sig	chr11_94401528
chr7	1.57E+08	157470763	+	1.665E-18	3.61906E-17	-0.28838	hypo	sig	chr7_157470763
chr11	79438343	79438343	+	1.667E-18	3.62354E-17	0.260421	hyper	sig	chr11_79438343
chr20	21702875	21702875	+	1.671E-18	3.63085E-17	0.243083	hyper	sig	chr20_21702875
chr20	63007208	63007208	+	1.671E-18	3.63141E-17	0.253884	hyper	sig	chr20_63007208
chr16	1475668	1475668	+	1.674E-18	3.6381E-17	-0.22462	hypo	sig	chr16_1475668
chr1	7782355	7782355	+	1.674E-18	3.63875E-17	-0.24324	hypo	sig	chr1_7782355
chr3	1.7E+08	170423217	+	1.675E-18	3.63971E-17	-0.22624	hypo	sig	chr3_170423217
chr10	49768540	49768540	+	1.676E-18	3.64261E-17	0.21026	hyper	sig	chr10_49768540
chr2	74516141	74516141	+	1.676E-18	3.64266E-17	0.200229	hyper	sig	chr2_74516141
chr1	18899825	18899825	+	1.68E-18	3.6502E-17	-0.22841	hypo	sig	chr1_18899825
chr6	1.51E+08	151323919	+	1.681E-18	3.65126E-17	-0.24209	hypo	sig	chr6_151323919
chr2	1.06E+08	106066244	+	1.682E-18	3.65385E-17	0.26206	hyper	sig	chr2_106066244

chr2	2.28E+08	228181874	+	1.682E-18	3.65465E-17	0.262939	hyper	sig	chr2_228181874
chr1	1.11E+08	110675654	+	1.682E-18	3.65479E-17	0.250935	hyper	sig	chr1_110675654
chr9	92807336	92807336	+	1.683E-18	3.65695E-17	0.211482	hyper	sig	chr9_92807336
chr13	25301157	25301157	+	1.684E-18	3.65807E-17	0.264827	hyper	sig	chr13_25301157
chr12	152874	152874	+	1.693E-18	3.67808E-17	-0.3166	hypo	sig	chr12_152874
chr3	1.54E+08	154432510	+	1.694E-18	3.68062E-17	-0.25852	hypo	sig	chr3_154432510
chr12	96490023	96490023	+	1.698E-18	3.68894E-17	0.299381	hyper	sig	chr12_96490023
chr20	21023198	21023198	+	1.698E-18	3.68895E-17	-0.25447	hypo	sig	chr20_21023198
chr8	54466613	54466613	+	1.703E-18	3.69979E-17	0.230395	hyper	sig	chr8_54466613
chr7	97013198	97013198	+	1.705E-18	3.70347E-17	0.25296	hyper	sig	chr7_97013198
chr3	1.97E+08	196978791	+	1.707E-18	3.70771E-17	0.216714	hyper	sig	chr3_196978791
chr13	1.07E+08	106530744	+	1.708E-18	3.70998E-17	-0.28034	hypo	sig	chr13_106530744
chr8	48735517	48735517	+	1.71E-18	3.7125E-17	0.248302	hyper	sig	chr8_48735517
chr18	12701671	12701671	+	1.712E-18	3.71783E-17	-0.26287	hypo	sig	chr18_12701671
chr19	57171736	57171736	+	1.716E-18	3.72497E-17	0.37414	hyper	sig	chr19_57171736
chr2	2.39E+08	238654742	+	1.716E-18	3.72554E-17	-0.23795	hypo	sig	chr2_238654742
chr1	3163669	3163669	+	1.719E-18	3.73141E-17	-0.21987	hypo	sig	chr1_3163669
chr5	88685401	88685401	+	1.722E-18	3.73842E-17	0.228351	hyper	sig	chr5_88685401
chr1	39671408	39671408	+	1.722E-18	3.73868E-17	0.233882	hyper	sig	chr1_39671408
chr3	46464925	46464925	+	1.727E-18	3.74832E-17	0.245054	hyper	sig	chr3_46464925
chr11	20208370	20208370	+	1.731E-18	3.75668E-17	0.24487	hyper	sig	chr11_20208370
chr11	1.33E+08	133079542	+	1.732E-18	3.75891E-17	-0.24148	hypo	sig	chr11_133079542
chr1	1758114	1758114	+	1.734E-18	3.76234E-17	-0.20264	hypo	sig	chr1_1758114
chr1	1.19E+08	118986792	+	1.74E-18	3.77479E-17	0.234912	hyper	sig	chr1_118986792
chr12	70921464	70921464	+	1.743E-18	3.78273E-17	-0.25984	hypo	sig	chr12_70921464
chr3	1.38E+08	137763094	+	1.746E-18	3.78843E-17	0.21713	hyper	sig	chr3_137763094
chr7	8434914	8434914	+	1.746E-18	3.789E-17	0.285881	hyper	sig	chr7_8434914
chr1	16913553	16913553	+	1.747E-18	3.78937E-17	-0.20626	hypo	sig	chr1_16913553
chr17	8327467	8327467	+	1.749E-18	3.79383E-17	0.291454	hyper	sig	chr17_8327467
chr1	4163921	4163921	+	1.75E-18	3.79571E-17	-0.25296	hypo	sig	chr1_4163921
chr12	9758761	9758761	+	1.75E-18	3.79615E-17	-0.23945	hypo	sig	chr12_9758761
chr5	7306668	7306668	+	1.753E-18	3.80206E-17	-0.21209	hypo	sig	chr5_7306668
chr3	1.28E+08	128435448	+	1.754E-18	3.80362E-17	-0.2128	hypo	sig	chr3_128435448
chr7	73231872	73231872	+	1.757E-18	3.81188E-17	-0.26695	hypo	sig	chr7_73231872
chr2	2.06E+08	205686588	+	1.763E-18	3.82416E-17	0.283698	hyper	sig	chr2_205686588
chr14	99792771	99792771	+	1.766E-18	3.83058E-17	0.21824	hyper	sig	chr14_99792771
chr7	50396963	50396963	+	1.766E-18	3.83082E-17	-0.23801	hypo	sig	chr7_50396963
chr4	1404097	1404097	+	1.768E-18	3.8345E-17	0.214626	hyper	sig	chr4_1404097
chr11	1.34E+08	134030417	+	1.771E-18	3.84085E-17	-0.23616	hypo	sig	chr11_134030417
chr1	16521052	16521052	+	1.776E-18	3.85132E-17	0.291307	hyper	sig	chr1_16521052
chr16	84819043	84819043	+	1.777E-18	3.85286E-17	-0.21371	hypo	sig	chr16_84819043
chr12	51401486	51401486	+	1.778E-18	3.85408E-17	-0.28346	hypo	sig	chr12_51401486
chr14	56797575	56797575	+	1.781E-18	3.86163E-17	0.203512	hyper	sig	chr14_56797575
chr13	1.1E+08	110444040	+	1.781E-18	3.8619E-17	-0.28111	hypo	sig	chr13_110444040
chr1	1.19E+08	118986773	+	1.782E-18	3.86431E-17	0.212571	hyper	sig	chr1_118986773
chr16	1035715	1035715	+	1.784E-18	3.86816E-17	-0.20896	hypo	sig	chr16_1035715
chr12	1.14E+08	114406412	+	1.787E-18	3.87414E-17	0.2058	hyper	sig	chr12_114406412
chr16	3183842	3183842	+	1.796E-18	3.89232E-17	0.209321	hyper	sig	chr16_3183842
chr21	33023291	33023291	+	1.798E-18	3.89712E-17	0.215516	hyper	sig	chr21_33023291
chr5	77973031	77973031	+	1.798E-18	3.89762E-17	0.211712	hyper	sig	chr5_77973031
chr11	61758257	61758257	+	1.799E-18	3.89969E-17	-0.22023	hypo	sig	chr11_61758257
chr2	23616817	23616817	+	1.801E-18	3.90364E-17	-0.21566	hypo	sig	chr2_23616817
chr12	64390662	64390662	+	1.802E-18	3.90512E-17	0.222305	hyper	sig	chr12_64390662
chr1	1.62E+08	161604955	+	1.807E-18	3.91489E-17	-0.32513	hypo	sig	chr1_161604955
chr16	1344048	1344048	+	1.808E-18	3.91681E-17	-0.23824	hypo	sig	chr16_1344048
chr7	23246700	23246700	+	1.809E-18	3.91905E-17	-0.29277	hypo	sig	chr7_23246700

chr11	22341139	22341139	+	1.811E-18	3.9248E-17	0.226434	hyper	sig	chr11_22341139
chr7	1.03E+08	103153032	+	1.812E-18	3.92587E-17	-0.25149	hypo	sig	chr7_103153032
chr3	46812391	46812391	+	1.814E-18	3.93146E-17	0.24903	hyper	sig	chr3_46812391
chr13	1.12E+08	112063505	+	1.815E-18	3.93168E-17	0.28571	hyper	sig	chr13_112063505
chr3	1.47E+08	147412010	+	1.824E-18	3.9524E-17	0.253737	hyper	sig	chr3_147412010
chr15	83283045	83283045	+	1.825E-18	3.95271E-17	0.251266	hyper	sig	chr15_83283045
chr10	55631273	55631273	+	1.825E-18	3.95333E-17	0.278385	hyper	sig	chr10_55631273
chr6	1.59E+08	158654741	+	1.826E-18	3.95473E-17	-0.2422	hypo	sig	chr6_158654741
chr18	12701711	12701711	+	1.826E-18	3.95635E-17	-0.2376	hypo	sig	chr18_12701711
chr15	77810886	77810886	+	1.827E-18	3.95755E-17	-0.22674	hypo	sig	chr15_77810886
chr2	2.28E+08	228180302	+	1.828E-18	3.95933E-17	0.254715	hyper	sig	chr2_228180302
chr10	1.05E+08	104639173	+	1.829E-18	3.96123E-17	0.288027	hyper	sig	chr10_104639173
chr11	1.23E+08	122981605	+	1.83E-18	3.96462E-17	0.277341	hyper	sig	chr11_122981605
chr4	2300972	2300972	+	1.838E-18	3.98088E-17	-0.30885	hypo	sig	chr4_2300972
chr2	98346504	98346504	+	1.839E-18	3.98343E-17	0.260515	hyper	sig	chr2_98346504
chr17	44988377	44988377	+	1.84E-18	3.98512E-17	0.220322	hyper	sig	chr17_44988377
chr15	37098139	37098139	+	1.842E-18	3.9875E-17	0.301521	hyper	sig	chr15_37098139
chr17	7739886	7739886	+	1.842E-18	3.98771E-17	-0.31344	hypo	sig	chr17_7739886
chr5	53485071	53485071	+	1.844E-18	3.99239E-17	-0.27167	hypo	sig	chr5_53485071
chr5	1.35E+08	135038954	+	1.844E-18	3.99239E-17	0.254463	hyper	sig	chr5_135038954
chr2	73203219	73203219	+	1.844E-18	3.99252E-17	0.315448	hyper	sig	chr2_73203219
chr10	68562117	68562117	+	1.847E-18	3.99956E-17	0.245121	hyper	sig	chr10_68562117
chr6	1.7E+08	170083383	+	1.851E-18	4.00763E-17	-0.23908	hypo	sig	chr6_170083383
chr16	54932597	54932597	+	1.853E-18	4.01137E-17	0.202355	hyper	sig	chr16_54932597
chr16	54290241	54290241	+	1.853E-18	4.01172E-17	0.239755	hyper	sig	chr16_54290241
chr7	1645039	1645039	+	1.857E-18	4.01962E-17	-0.28667	hypo	sig	chr7_1645039
chr3	1.13E+08	113441552	+	1.86E-18	4.02656E-17	0.218198	hyper	sig	chr3_113441552
chr15	88258170	88258170	+	1.861E-18	4.02804E-17	0.229594	hyper	sig	chr15_88258170
chr3	75671048	75671048	+	1.864E-18	4.03474E-17	0.226238	hyper	sig	chr3_75671048
chr7	79454469	79454469	+	1.867E-18	4.03953E-17	0.275309	hyper	sig	chr7_79454469
chr19	34962770	34962770	+	1.879E-18	4.06537E-17	-0.25138	hypo	sig	chr19_34962770
chr12	53945869	53945869	+	1.889E-18	4.08645E-17	0.252483	hyper	sig	chr12_53945869
chr7	1.01E+08	101362675	+	1.889E-18	4.08748E-17	0.223304	hyper	sig	chr7_101362675
chr13	70108152	70108152	+	1.891E-18	4.09044E-17	0.225415	hyper	sig	chr13_70108152
chr4	1.64E+08	164384164	+	1.891E-18	4.09141E-17	0.227758	hyper	sig	chr4_164384164
chr6	1.46E+08	146027728	+	1.893E-18	4.09392E-17	0.248981	hyper	sig	chr6_146027728
chr21	44709003	44709003	+	1.893E-18	4.09529E-17	0.278991	hyper	sig	chr21_44709003
chr15	93087307	93087307	+	1.894E-18	4.09638E-17	-0.20301	hypo	sig	chr15_93087307
chr2	74516488	74516488	+	1.899E-18	4.10644E-17	0.295569	hyper	sig	chr2_74516488
chr16	31371728	31371728	+	1.899E-18	4.10818E-17	-0.20869	hypo	sig	chr16_31371728
chr11	29712763	29712763	+	1.901E-18	4.11141E-17	-0.29368	hypo	sig	chr11_29712763
chr6	28259315	28259315	+	1.905E-18	4.11997E-17	0.204605	hyper	sig	chr6_28259315
chr19	55359475	55359475	+	1.905E-18	4.12008E-17	-0.23673	hypo	sig	chr19_55359475
chr17	52159845	52159845	+	1.906E-18	4.12215E-17	0.227273	hyper	sig	chr17_52159845
chr13	95552284	95552284	+	1.909E-18	4.1276E-17	0.215492	hyper	sig	chr13_95552284
chr13	57632957	57632957	+	1.909E-18	4.12805E-17	0.252922	hyper	sig	chr13_57632957
chr2	2.4E+08	240322316	+	1.913E-18	4.13732E-17	-0.23824	hypo	sig	chr2_240322316
chr16	1104922	1104922	+	1.92E-18	4.1504E-17	-0.24355	hypo	sig	chr16_1104922
chr5	1.77E+08	177383903	+	1.92E-18	4.15142E-17	-0.21052	hypo	sig	chr5_177383903
chr16	51153682	51153682	+	1.921E-18	4.15389E-17	0.255324	hyper	sig	chr16_51153682
chr13	1.12E+08	112063467	+	1.925E-18	4.16175E-17	0.215429	hyper	sig	chr13_112063467
chr11	44311258	44311258	+	1.926E-18	4.16257E-17	0.211382	hyper	sig	chr11_44311258
chr16	1027615	1027615	+	1.926E-18	4.16257E-17	-0.23201	hypo	sig	chr16_1027615
chr19	392142	392142	+	1.928E-18	4.16847E-17	-0.22424	hypo	sig	chr19_392142
chr2	1.18E+08	118309956	+	1.932E-18	4.1755E-17	0.21367	hyper	sig	chr2_118309956
chr11	2869495	2869495	+	1.935E-18	4.1813E-17	0.221646	hyper	sig	chr11_2869495

chr20	61885096	61885096	+	1.936E-18	4.18497E-17	-0.23513	hypo	sig	chr20_61885096
chr6	28885326	28885326	+	1.943E-18	4.20004E-17	0.296582	hyper	sig	chr6_28885326
chr12	1500297	1500297	+	1.947E-18	4.2077E-17	-0.20504	hypo	sig	chr12_1500297
chr17	61408571	61408571	+	1.948E-18	4.20888E-17	0.255585	hyper	sig	chr17_61408571
chr14	60486215	60486215	+	1.951E-18	4.21514E-17	0.29357	hyper	sig	chr14_60486215
chr20	16573853	16573853	+	1.955E-18	4.22489E-17	-0.27492	hypo	sig	chr20_16573853
chr3	32819061	32819061	+	1.957E-18	4.22784E-17	0.226057	hyper	sig	chr3_32819061
chr20	21702916	21702916	+	1.96E-18	4.23445E-17	0.277012	hyper	sig	chr20_21702916
chr3	27729918	27729918	+	1.962E-18	4.23928E-17	0.236881	hyper	sig	chr3_27729918
chr19	53521251	53521251	+	1.964E-18	4.24338E-17	0.257914	hyper	sig	chr19_53521251
chr21	45015825	45015825	+	1.966E-18	4.24749E-17	-0.20357	hypo	sig	chr21_45015825
chr4	1.11E+08	110626923	+	1.967E-18	4.24834E-17	0.206082	hyper	sig	chr4_110626923
chr6	30987185	30987185	+	1.967E-18	4.24996E-17	-0.30993	hypo	sig	chr6_30987185
chr8	64374090	64374090	+	1.969E-18	4.25293E-17	0.363998	hyper	sig	chr8_64374090
chr5	2702403	2702403	+	1.97E-18	4.25589E-17	-0.24558	hypo	sig	chr5_2702403
chr20	62740254	62740254	+	1.977E-18	4.27086E-17	-0.23263	hypo	sig	chr20_62740254
chr18	11755854	11755854	+	1.978E-18	4.27216E-17	-0.25078	hypo	sig	chr18_11755854
chr5	1753196	1753196	+	1.981E-18	4.27839E-17	-0.25451	hypo	sig	chr5_1753196
chr19	19860822	19860822	+	1.982E-18	4.28063E-17	0.233328	hyper	sig	chr19_19860822
chr2	2.41E+08	240672652	+	1.983E-18	4.28249E-17	0.2071	hyper	sig	chr2_240672652
chr3	1.41E+08	141052225	+	1.984E-18	4.28393E-17	0.253323	hyper	sig	chr3_141052225
chr13	57629521	57629521	+	1.985E-18	4.28691E-17	0.233603	hyper	sig	chr13_57629521
chr13	48319038	48319038	+	1.986E-18	4.28914E-17	0.220165	hyper	sig	chr13_48319038
chr17	44967397	44967397	+	1.987E-18	4.29041E-17	0.210869	hyper	sig	chr17_44967397
chr19	9966602	9966602	+	1.988E-18	4.29226E-17	0.207747	hyper	sig	chr19_9966602
chr7	813349	813349	+	1.989E-18	4.29369E-17	-0.24274	hypo	sig	chr7_813349
chr2	55923913	55923913	+	1.989E-18	4.29433E-17	0.276383	hyper	sig	chr2_55923913
chr4	912040	912040	+	1.99E-18	4.2954E-17	-0.26145	hypo	sig	chr4_912040
chr12	54019317	54019317	+	1.992E-18	4.30042E-17	0.248084	hyper	sig	chr12_54019317
chr16	88937271	88937271	+	1.995E-18	4.30669E-17	-0.20979	hypo	sig	chr16_88937271
chr15	81118420	81118420	+	1.998E-18	4.31292E-17	0.207007	hyper	sig	chr15_81118420
chr7	73978522	73978522	+	2E-18	4.31644E-17	-0.3046	hypo	sig	chr7_73978522
chr10	1.33E+08	133097346	+	2.004E-18	4.32516E-17	-0.22428	hypo	sig	chr10_133097346
chr17	81841581	81841581	+	2.006E-18	4.33062E-17	-0.26412	hypo	sig	chr17_81841581
chr11	74731828	74731828	+	2.01E-18	4.33745E-17	0.224487	hyper	sig	chr11_74731828
chr19	52398063	52398063	+	2.011E-18	4.34013E-17	0.255335	hyper	sig	chr19_52398063
chr4	1.13E+08	112701860	+	2.013E-18	4.34495E-17	-0.29102	hypo	sig	chr4_112701860
chr7	97021797	97021797	+	2.014E-18	4.34687E-17	0.230271	hyper	sig	chr7_97021797
chr3	10338837	10338837	+	2.015E-18	4.34822E-17	-0.21245	hypo	sig	chr3_10338837
chr9	1.02E+08	101737570	+	2.024E-18	4.36802E-17	0.234881	hyper	sig	chr9_101737570
chr9	92807258	92807258	+	2.026E-18	4.37084E-17	0.292612	hyper	sig	chr9_92807258
chr19	19860956	19860956	+	2.027E-18	4.37245E-17	0.22439	hyper	sig	chr19_19860956
chr4	40857109	40857109	+	2.028E-18	4.37509E-17	0.273067	hyper	sig	chr4_40857109
chr18	57428350	57428350	+	2.036E-18	4.3923E-17	0.258566	hyper	sig	chr18_57428350
chr5	88685384	88685384	+	2.044E-18	4.40831E-17	0.212077	hyper	sig	chr5_88685384
chr7	1761949	1761949	+	2.044E-18	4.40876E-17	-0.31039	hypo	sig	chr7_1761949
chr19	15010784	15010784	+	2.045E-18	4.4109E-17	0.261677	hyper	sig	chr19_15010784
chr6	1.68E+08	168410541	+	2.047E-18	4.41546E-17	-0.26216	hypo	sig	chr6_168410541
chr13	1.12E+08	111893586	+	2.054E-18	4.43076E-17	0.255519	hyper	sig	chr13_111893586
chr7	1234506	1234506	+	2.055E-18	4.43177E-17	0.258929	hyper	sig	chr7_1234506
chr13	1.12E+08	112231524	+	2.06E-18	4.44178E-17	-0.21098	hypo	sig	chr13_112231524
chr3	1.26E+08	125756209	+	2.063E-18	4.4488E-17	-0.26597	hypo	sig	chr3_125756209
chr22	17370779	17370779	+	2.069E-18	4.462E-17	0.217805	hyper	sig	chr22_17370779
chr7	1.51E+08	150946827	+	2.07E-18	4.464E-17	-0.27913	hypo	sig	chr7_150946827
chr20	54476489	54476489	+	2.071E-18	4.46576E-17	0.341892	hyper	sig	chr20_54476489
chr10	1.33E+08	133158118	+	2.073E-18	4.47048E-17	-0.22739	hypo	sig	chr10_133158118

chr2	2.35E+08	235053961	+	2.078E-18	4.47942E-17	-0.23678	hypo	sig	chr2_235053961
chr3	1.29E+08	128576121	+	2.083E-18	4.4911E-17	-0.21779	hypo	sig	chr3_128576121
chr16	89248231	89248231	+	2.087E-18	4.49817E-17	0.257939	hyper	sig	chr16_89248231
chr5	32713385	32713385	+	2.087E-18	4.49839E-17	0.268383	hyper	sig	chr5_32713385
chr10	26905635	26905635	+	2.088E-18	4.50001E-17	-0.23536	hypo	sig	chr10_26905635
chr20	64164305	64164305	+	2.09E-18	4.50563E-17	-0.20364	hypo	sig	chr20_64164305
chr6	32068197	32068197	+	2.093E-18	4.51079E-17	-0.21173	hypo	sig	chr6_32068197
chr22	29480953	29480953	+	2.102E-18	4.52952E-17	0.27326	hyper	sig	chr22_29480953
chr22	46077170	46077170	+	2.103E-18	4.53206E-17	-0.24393	hypo	sig	chr22_46077170
chr11	1.16E+08	115660324	+	2.109E-18	4.54493E-17	0.2197	hyper	sig	chr11_115660324
chr7	8443715	8443715	+	2.116E-18	4.55968E-17	0.221404	hyper	sig	chr7_8443715
chr10	1.19E+08	118595750	+	2.118E-18	4.56305E-17	0.297178	hyper	sig	chr10_118595750
chr8	1.39E+08	138881731	+	2.118E-18	4.56306E-17	-0.29504	hypo	sig	chr8_138881731
chr7	63349038	63349038	+	2.118E-18	4.56319E-17	-0.20481	hypo	sig	chr7_63349038
chr13	78587486	78587486	+	2.121E-18	4.56979E-17	0.312927	hyper	sig	chr13_78587486
chr16	987124	987124	+	2.122E-18	4.57083E-17	-0.23227	hypo	sig	chr16_987124
chr2	1923135	1923135	+	2.122E-18	4.57083E-17	-0.20924	hypo	sig	chr2_1923135
chr9	92807254	92807254	+	2.122E-18	4.57083E-17	0.273224	hyper	sig	chr9_92807254
chr16	30006154	30006154	+	2.128E-18	4.58317E-17	-0.20872	hypo	sig	chr16_30006154
chr1	37763804	37763804	+	2.138E-18	4.60487E-17	-0.26419	hypo	sig	chr1_37763804
chr8	64798233	64798233	+	2.14E-18	4.6087E-17	0.241481	hyper	sig	chr8_64798233
chr1	2.17E+08	217139708	+	2.14E-18	4.60894E-17	0.283424	hyper	sig	chr1_217139708
chr2	12718977	12718977	+	2.142E-18	4.61203E-17	0.248768	hyper	sig	chr2_12718977
chr6	33165262	33165262	+	2.145E-18	4.61914E-17	-0.21839	hypo	sig	chr6_33165262
chr12	1.14E+08	114439632	+	2.153E-18	4.63494E-17	0.262059	hyper	sig	chr12_114439632
chr5	1107033	1107033	+	2.153E-18	4.63532E-17	-0.21557	hypo	sig	chr5_1107033
chr19	39206514	39206514	+	2.153E-18	4.63536E-17	-0.268	hypo	sig	chr19_39206514
chr2	2.28E+08	228180304	+	2.155E-18	4.64046E-17	0.251959	hyper	sig	chr2_228180304
chr3	1.54E+08	154429045	+	2.159E-18	4.64806E-17	0.222531	hyper	sig	chr3_154429045
chr8	1.44E+08	143899508	+	2.163E-18	4.65628E-17	-0.34077	hypo	sig	chr8_143899508
chr5	1.48E+08	148268749	+	2.163E-18	4.65631E-17	-0.22001	hypo	sig	chr5_148268749
chr2	2.13E+08	212537046	+	2.169E-18	4.66898E-17	0.21976	hyper	sig	chr2_212537046
chr2	1.01E+08	101476888	+	2.17E-18	4.67049E-17	-0.24916	hypo	sig	chr2_101476888
chr7	1.29E+08	128872669	+	2.171E-18	4.67257E-17	-0.24819	hypo	sig	chr7_128872669
chr15	95326729	95326729	+	2.172E-18	4.67478E-17	0.23912	hyper	sig	chr15_95326729
chr8	1.41E+08	141251981	+	2.172E-18	4.67482E-17	0.269452	hyper	sig	chr8_141251981
chr2	2.13E+08	212536629	+	2.173E-18	4.67717E-17	0.21642	hyper	sig	chr2_212536629
chr4	1.66E+08	165874249	+	2.174E-18	4.67994E-17	0.306161	hyper	sig	chr4_165874249
chr4	10461312	10461312	+	2.179E-18	4.6894E-17	0.225722	hyper	sig	chr4_10461312
chr15	74367769	74367769	+	2.18E-18	4.69198E-17	-0.20075	hypo	sig	chr15_74367769
chr15	99062170	99062170	+	2.182E-18	4.6947E-17	-0.21228	hypo	sig	chr15_99062170
chr16	81692260	81692260	+	2.19E-18	4.71134E-17	-0.23534	hypo	sig	chr16_81692260
chr2	1.05E+08	104659347	+	2.191E-18	4.71304E-17	0.284615	hyper	sig	chr2_104659347
chr8	49911670	49911670	+	2.191E-18	4.71307E-17	0.21892	hyper	sig	chr8_49911670
chr1	6124989	6124989	+	2.192E-18	4.71454E-17	-0.22243	hypo	sig	chr1_6124989
chr17	48596180	48596180	+	2.195E-18	4.72112E-17	-0.24167	hypo	sig	chr17_48596180
chr11	61747492	61747492	+	2.203E-18	4.7381E-17	-0.23242	hypo	sig	chr11_61747492
chr17	81412604	81412604	+	2.208E-18	4.74897E-17	-0.2016	hypo	sig	chr17_81412604
chr8	70070727	70070727	+	2.213E-18	4.75826E-17	0.251215	hyper	sig	chr8_70070727
chr11	1.19E+08	119318579	+	2.218E-18	4.7693E-17	-0.23101	hypo	sig	chr11_119318579
chr13	1.12E+08	112057750	+	2.225E-18	4.78418E-17	0.240149	hyper	sig	chr13_112057750
chr10	1.33E+08	133045299	+	2.226E-18	4.78719E-17	-0.21573	hypo	sig	chr10_133045299
chr7	8435851	8435851	+	2.227E-18	4.78899E-17	0.262287	hyper	sig	chr7_8435851
chr7	94394976	94394976	+	2.229E-18	4.79276E-17	0.213052	hyper	sig	chr7_94394976
chr4	1.72E+08	171812485	+	2.23E-18	4.79382E-17	0.215197	hyper	sig	chr4_171812485
chr6	29828094	29828094	+	2.232E-18	4.79935E-17	0.224524	hyper	sig	chr6_29828094

chr12	1.13E+08	113464516	+	2.233E-18	4.80099E-17	0.214843	hyper	sig	chr12_113464516
chr13	1.08E+08	107868647	+	2.233E-18	4.80162E-17	0.266658	hyper	sig	chr13_107868647
chr1	57423086	57423086	+	2.236E-18	4.80722E-17	0.237249	hyper	sig	chr1_57423086
chr16	89695023	89695023	+	2.244E-18	4.82444E-17	-0.20871	hypo	sig	chr16_89695023
chr10	99534561	99534561	+	2.251E-18	4.83824E-17	0.203661	hyper	sig	chr10_99534561
chr16	57529574	57529574	+	2.251E-18	4.83936E-17	-0.22224	hypo	sig	chr16_57529574
chr16	84818966	84818966	+	2.252E-18	4.84113E-17	-0.2103	hypo	sig	chr16_84818966
chr16	66845958	66845958	+	2.254E-18	4.84382E-17	-0.23518	hypo	sig	chr16_66845958
chr10	1.33E+08	132979630	+	2.26E-18	4.85744E-17	-0.20523	hypo	sig	chr10_132979630
chr1	1.44E+08	143904660	+	2.261E-18	4.85937E-17	0.230367	hyper	sig	chr1_143904660
chr10	1.23E+08	123142870	+	2.262E-18	4.86073E-17	0.201017	hyper	sig	chr10_123142870
chr15	25708960	25708960	+	2.262E-18	4.86161E-17	-0.24087	hypo	sig	chr15_25708960
chr2	2.32E+08	232388060	+	2.267E-18	4.87122E-17	0.253669	hyper	sig	chr2_232388060
chr4	74364693	74364693	+	2.27E-18	4.87711E-17	0.24032	hyper	sig	chr4_74364693
chr7	43112655	43112655	+	2.271E-18	4.87962E-17	0.235138	hyper	sig	chr7_43112655
chr3	22417026	22417026	+	2.277E-18	4.89187E-17	-0.29412	hypo	sig	chr3_22417026
chr19	2065198	2065198	+	2.278E-18	4.89356E-17	-0.21207	hypo	sig	chr19_2065198
chr19	599340	599340	+	2.287E-18	4.91333E-17	-0.2256	hypo	sig	chr19_599340
chr7	19112577	19112577	+	2.289E-18	4.9169E-17	0.307175	hyper	sig	chr7_19112577
chr22	50281931	50281931	+	2.292E-18	4.92262E-17	-0.21112	hypo	sig	chr22_50281931
chr5	16180301	16180301	+	2.294E-18	4.92715E-17	0.245228	hyper	sig	chr5_16180301
chr2	2.32E+08	232387994	+	2.295E-18	4.92853E-17	0.248125	hyper	sig	chr2_232387994
chr6	10417164	10417164	+	2.296E-18	4.93241E-17	0.250538	hyper	sig	chr6_10417164
chr8	26010563	26010563	+	2.3E-18	4.93922E-17	0.249805	hyper	sig	chr8_26010563
chr1	2.28E+08	228158510	+	2.3E-18	4.93939E-17	0.205643	hyper	sig	chr1_228158510
chr1	1.57E+08	156845100	+	2.302E-18	4.94446E-17	0.203746	hyper	sig	chr1_156845100
chr1	3413575	3413575	+	2.307E-18	4.95368E-17	-0.27196	hypo	sig	chr1_3413575
chr10	52778536	52778536	+	2.308E-18	4.95682E-17	0.237395	hyper	sig	chr10_52778536
chr19	8699804	8699804	+	2.308E-18	4.95684E-17	-0.24153	hypo	sig	chr19_8699804
chr17	77710328	77710328	+	2.314E-18	4.96864E-17	-0.23725	hypo	sig	chr17_77710328
chr3	1.98E+08	197520040	+	2.314E-18	4.96884E-17	-0.31508	hypo	sig	chr3_197520040
chr15	71811091	71811091	+	2.319E-18	4.97901E-17	-0.33214	hypo	sig	chr15_71811091
chr3	1.13E+08	113441583	+	2.319E-18	4.97901E-17	0.204192	hyper	sig	chr3_113441583
chr10	1.17E+08	117140305	+	2.32E-18	4.98006E-17	0.318266	hyper	sig	chr10_117140305
chr12	80716947	80716947	+	2.335E-18	5.01217E-17	0.220834	hyper	sig	chr12_80716947
chr4	1.11E+08	110639739	+	2.336E-18	5.01345E-17	0.228306	hyper	sig	chr4_110639739
chr3	1.47E+08	147421750	+	2.336E-18	5.01442E-17	0.208674	hyper	sig	chr3_147421750
chr15	22714492	22714492	+	2.344E-18	5.03148E-17	0.200164	hyper	sig	chr15_22714492
chr12	12884884	12884884	+	2.345E-18	5.03201E-17	-0.2933	hypo	sig	chr12_12884884
chr7	3181533	3181533	+	2.347E-18	5.03599E-17	-0.20672	hypo	sig	chr7_3181533
chr5	1.41E+08	141236738	+	2.348E-18	5.03786E-17	0.243457	hyper	sig	chr5_141236738
chr7	4810501	4810501	+	2.351E-18	5.04549E-17	-0.30241	hypo	sig	chr7_4810501
chr8	1.42E+08	142181290	+	2.353E-18	5.04906E-17	-0.20543	hypo	sig	chr8_142181290
chr10	42368054	42368054	+	2.355E-18	5.05298E-17	0.284033	hyper	sig	chr10_42368054
chr10	23173308	23173308	+	2.361E-18	5.06631E-17	0.236819	hyper	sig	chr10_23173308
chr16	84925271	84925271	+	2.362E-18	5.0673E-17	-0.23983	hypo	sig	chr16_84925271
chr20	63369709	63369709	+	2.364E-18	5.0723E-17	-0.33699	hypo	sig	chr20_63369709
chr7	54638247	54638247	+	2.366E-18	5.07601E-17	-0.23941	hypo	sig	chr7_54638247
chr3	1.3E+08	130345740	+	2.366E-18	5.07648E-17	0.245637	hyper	sig	chr3_130345740
chr19	15181619	15181619	+	2.377E-18	5.0999E-17	-0.2527	hypo	sig	chr19_15181619
chr10	59177146	59177146	+	2.378E-18	5.10027E-17	0.253638	hyper	sig	chr10_59177146
chr1	2.29E+08	229346319	+	2.378E-18	5.10113E-17	-0.26859	hypo	sig	chr1_229346319
chr7	2567032	2567032	+	2.379E-18	5.10269E-17	0.281989	hyper	sig	chr7_2567032
chr7	1513522	1513522	+	2.385E-18	5.11508E-17	-0.2103	hypo	sig	chr7_1513522
chr7	43112544	43112544	+	2.386E-18	5.1172E-17	0.284517	hyper	sig	chr7_43112544
chr8	47763205	47763205	+	2.387E-18	5.11982E-17	0.22082	hyper	sig	chr8_47763205

chr2	44928208	44928208	+	2.388E-18	5.12153E-17	0.305881	hyper	sig	chr2_44928208
chr11	1.09E+08	109422419	+	2.395E-18	5.13609E-17	0.267295	hyper	sig	chr11_109422419
chr18	79869507	79869507	+	2.395E-18	5.13609E-17	-0.22805	hypo	sig	chr18_79869507
chr19	33622457	33622457	+	2.395E-18	5.13609E-17	0.299307	hyper	sig	chr19_33622457
chr15	65374302	65374302	+	2.395E-18	5.13638E-17	-0.25936	hypo	sig	chr15_65374302
chr19	20078320	20078320	+	2.402E-18	5.15093E-17	0.208995	hyper	sig	chr19_20078320
chr11	31804909	31804909	+	2.411E-18	5.16893E-17	0.235268	hyper	sig	chr11_31804909
chr15	25210844	25210844	+	2.413E-18	5.17365E-17	-0.22058	hypo	sig	chr15_25210844
chr5	1.41E+08	140807479	+	2.423E-18	5.19391E-17	0.20343	hyper	sig	chr5_140807479
chr6	32885221	32885221	+	2.426E-18	5.19965E-17	-0.24515	hypo	sig	chr6_32885221
chr8	98973997	98973997	+	2.431E-18	5.21061E-17	0.240647	hyper	sig	chr8_98973997
chr1	2.31E+08	231161337	+	2.432E-18	5.21339E-17	0.211469	hyper	sig	chr1_231161337
chr8	9898309	9898309	+	2.436E-18	5.22155E-17	0.28093	hyper	sig	chr8_9898309
chr19	883887	883887	+	2.438E-18	5.22498E-17	-0.21822	hypo	sig	chr19_883887
chr17	44915341	44915341	+	2.439E-18	5.22698E-17	-0.2092	hypo	sig	chr17_44915341
chr7	2193540	2193540	+	2.442E-18	5.2328E-17	-0.25601	hypo	sig	chr7_2193540
chr15	77817068	77817068	+	2.449E-18	5.24733E-17	-0.3025	hypo	sig	chr15_77817068
chr22	45162530	45162530	+	2.45E-18	5.24865E-17	-0.31693	hypo	sig	chr22_45162530
chr6	36351222	36351222	+	2.45E-18	5.24965E-17	-0.2947	hypo	sig	chr6_36351222
chr5	508754	508754	+	2.455E-18	5.25974E-17	-0.28249	hypo	sig	chr5_508754
chr6	29975665	29975665	+	2.456E-18	5.26191E-17	0.27843	hyper	sig	chr6_29975665
chr7	1.58E+08	157555042	+	2.458E-18	5.26595E-17	-0.20956	hypo	sig	chr7_157555042
chr12	1.33E+08	132908073	+	2.461E-18	5.27115E-17	0.237182	hyper	sig	chr12_132908073
chr7	74094572	74094572	+	2.462E-18	5.27334E-17	0.217427	hyper	sig	chr7_74094572
chr1	8343709	8343709	+	2.465E-18	5.28038E-17	-0.21221	hypo	sig	chr1_8343709
chr5	1.46E+08	146338905	+	2.465E-18	5.28038E-17	0.210748	hyper	sig	chr5_146338905
chr11	1036645	1036645	+	2.47E-18	5.28949E-17	-0.20286	hypo	sig	chr11_1036645
chr6	1.37E+08	137496510	+	2.47E-18	5.29028E-17	0.28341	hyper	sig	chr6_137496510
chr2	96527549	96527549	+	2.476E-18	5.3028E-17	0.276085	hyper	sig	chr2_96527549
chr5	73382318	73382318	+	2.482E-18	5.315E-17	0.206644	hyper	sig	chr5_73382318
chr2	1.72E+08	172091216	+	2.487E-18	5.32609E-17	0.204123	hyper	sig	chr2_172091216
chr10	23192572	23192572	+	2.488E-18	5.32714E-17	0.243494	hyper	sig	chr10_23192572
chr13	1.13E+08	112725584	+	2.49E-18	5.33181E-17	-0.21409	hypo	sig	chr13_112725584
chr2	1.61E+08	161420605	+	2.492E-18	5.33482E-17	0.254462	hyper	sig	chr2_161420605
chr17	45900854	45900854	+	2.494E-18	5.33989E-17	-0.20245	hypo	sig	chr17_45900854
chr16	88816749	88816749	+	2.497E-18	5.34691E-17	-0.22162	hypo	sig	chr16_88816749
chr20	10218139	10218139	+	2.502E-18	5.35703E-17	0.268053	hyper	sig	chr20_10218139
chr3	10511527	10511527	+	2.505E-18	5.36191E-17	-0.26855	hypo	sig	chr3_10511527
chr15	31483192	31483192	+	2.507E-18	5.36617E-17	0.23927	hyper	sig	chr15_31483192
chr7	1.01E+08	101362631	+	2.507E-18	5.3672E-17	0.228126	hyper	sig	chr7_101362631
chr3	1.92E+08	192410174	+	2.507E-18	5.36722E-17	0.338427	hyper	sig	chr3_192410174
chr7	1232839	1232839	+	2.508E-18	5.36853E-17	0.214543	hyper	sig	chr7_1232839
chr6	1.66E+08	165988608	+	2.508E-18	5.36862E-17	0.22203	hyper	sig	chr6_165988608
chr11	1.23E+08	123431871	+	2.508E-18	5.36906E-17	-0.21885	hypo	sig	chr11_123431871
chr15	26866737	26866737	+	2.51E-18	5.37259E-17	0.238769	hyper	sig	chr15_26866737
chr19	52536191	52536191	+	2.513E-18	5.37834E-17	0.214486	hyper	sig	chr19_52536191
chr17	20852174	20852174	+	2.518E-18	5.38856E-17	0.227981	hyper	sig	chr17_20852174
chr11	45355323	45355323	+	2.521E-18	5.39512E-17	0.285596	hyper	sig	chr11_45355323
chr20	61902761	61902761	+	2.529E-18	5.41138E-17	-0.22281	hypo	sig	chr20_61902761
chr4	1.09E+08	109302020	+	2.531E-18	5.4144E-17	0.25713	hyper	sig	chr4_109302020
chr19	56507459	56507459	+	2.539E-18	5.43137E-17	0.269122	hyper	sig	chr19_56507459
chr9	1.37E+08	137152670	+	2.545E-18	5.44579E-17	-0.21979	hypo	sig	chr9_137152670
chr19	57888497	57888497	+	2.551E-18	5.45766E-17	0.242906	hyper	sig	chr19_57888497
chr11	70177439	70177439	+	2.552E-18	5.45969E-17	-0.22835	hypo	sig	chr11_70177439
chr20	62710668	62710668	+	2.553E-18	5.46167E-17	-0.21473	hypo	sig	chr20_62710668
chr16	566855	566855	+	2.556E-18	5.46778E-17	0.222004	hyper	sig	chr16_566855

chr14	36659220	36659220	+	2.556E-18	5.46863E-17	0.208427	hyper	sig	chr14_36659220
chr17	82358954	82358954	+	2.558E-18	5.47169E-17	-0.21384	hypo	sig	chr17_82358954
chr22	19150731	19150731	+	2.558E-18	5.47169E-17	0.284481	hyper	sig	chr22_19150731
chr3	1.72E+08	172449903	+	2.56E-18	5.47527E-17	0.243562	hyper	sig	chr3_172449903
chr7	23247672	23247672	+	2.56E-18	5.47553E-17	0.277433	hyper	sig	chr7_23247672
chr1	1.57E+08	156845112	+	2.563E-18	5.48135E-17	0.200092	hyper	sig	chr1_156845112
chr5	63959256	63959256	+	2.564E-18	5.48325E-17	0.338105	hyper	sig	chr5_63959256
chr17	49035695	49035695	+	2.569E-18	5.49493E-17	-0.21828	hypo	sig	chr17_49035695
chr19	23075197	23075197	+	2.572E-18	5.49947E-17	0.250798	hyper	sig	chr19_23075197
chr12	52233476	52233476	+	2.572E-18	5.49974E-17	0.298299	hyper	sig	chr12_52233476
chr8	935283	935283	+	2.584E-18	5.52489E-17	-0.20897	hypo	sig	chr8_935283
chr22	44173051	44173051	+	2.584E-18	5.52556E-17	-0.20014	hypo	sig	chr22_44173051
chr2	86333577	86333577	+	2.59E-18	5.53826E-17	-0.23984	hypo	sig	chr2_86333577
chr13	40534631	40534631	+	2.591E-18	5.54015E-17	-0.27794	hypo	sig	chr13_40534631
chr1	90716806	90716806	+	2.592E-18	5.54209E-17	0.276236	hyper	sig	chr1_90716806
chr11	1.29E+08	128694264	+	2.602E-18	5.56299E-17	0.213101	hyper	sig	chr11_128694264
chr4	1.84E+08	184170968	+	2.602E-18	5.56299E-17	-0.30237	hypo	sig	chr4_184170968
chr15	79090757	79090757	+	2.603E-18	5.56479E-17	0.326778	hyper	sig	chr15_79090757
chr3	1.2E+08	119810211	+	2.604E-18	5.5659E-17	0.279891	hyper	sig	chr3_119810211
chr19	39264478	39264478	+	2.604E-18	5.56683E-17	0.282919	hyper	sig	chr19_39264478
chr9	1.27E+08	126625537	+	2.605E-18	5.56776E-17	0.232493	hyper	sig	chr9_126625537
chr19	52398089	52398089	+	2.606E-18	5.56958E-17	0.223512	hyper	sig	chr19_52398089
chr7	19106877	19106877	+	2.61E-18	5.5779E-17	0.211779	hyper	sig	chr7_19106877
chr3	5095984	5095984	+	2.612E-18	5.58227E-17	0.231724	hyper	sig	chr3_5095984
chr7	1.55E+08	155459230	+	2.614E-18	5.58741E-17	0.212677	hyper	sig	chr7_155459230
chr7	1.58E+08	157739603	+	2.616E-18	5.58955E-17	-0.21596	hypo	sig	chr7_157739603
chr16	7304368	7304368	+	2.616E-18	5.5906E-17	0.258938	hyper	sig	chr16_7304368
chr8	10729349	10729349	+	2.625E-18	5.60998E-17	0.241476	hyper	sig	chr8_10729349
chr6	33190761	33190761	+	2.626E-18	5.61123E-17	-0.20275	hypo	sig	chr6_33190761
chr4	1.64E+08	164383440	+	2.627E-18	5.61268E-17	0.314011	hyper	sig	chr4_164383440
chr1	90725393	90725393	+	2.637E-18	5.63371E-17	0.22329	hyper	sig	chr1_90725393
chr7	43311579	43311579	+	2.64E-18	5.64075E-17	-0.25632	hypo	sig	chr7_43311579
chr22	48504083	48504083	+	2.642E-18	5.64401E-17	-0.23187	hypo	sig	chr22_48504083
chr6	1.7E+08	169638652	+	2.644E-18	5.64727E-17	-0.21681	hypo	sig	chr6_169638652
chr7	4725384	4725384	+	2.649E-18	5.65862E-17	0.203452	hyper	sig	chr7_4725384
chr7	28410261	28410261	+	2.656E-18	5.67163E-17	0.244346	hyper	sig	chr7_28410261
chr12	45051029	45051029	+	2.661E-18	5.68301E-17	0.219373	hyper	sig	chr12_45051029
chr19	52453404	52453404	+	2.665E-18	5.69182E-17	0.274026	hyper	sig	chr19_52453404
chr3	47009252	47009252	+	2.668E-18	5.69763E-17	0.307485	hyper	sig	chr3_47009252
chr2	66439591	66439591	+	2.672E-18	5.70486E-17	0.225724	hyper	sig	chr2_66439591
chr10	1.33E+08	132785065	+	2.674E-18	5.70945E-17	0.282067	hyper	sig	chr10_132785065
chr1	2E+08	200036228	+	2.675E-18	5.7126E-17	0.319546	hyper	sig	chr1_200036228
chr8	29116945	29116945	+	2.677E-18	5.71528E-17	0.263239	hyper	sig	chr8_29116945
chr18	75456224	75456224	+	2.679E-18	5.71985E-17	0.289509	hyper	sig	chr18_75456224
chr17	58667074	58667074	+	2.685E-18	5.73195E-17	-0.24946	hypo	sig	chr17_58667074
chr17	21452721	21452721	+	2.686E-18	5.73442E-17	0.215679	hyper	sig	chr17_21452721
chr7	1.02E+08	102119390	+	2.688E-18	5.73793E-17	-0.26377	hypo	sig	chr7_102119390
chr19	11674228	11674228	+	2.694E-18	5.75196E-17	0.224534	hyper	sig	chr19_11674228
chr17	45261848	45261848	+	2.697E-18	5.75766E-17	0.271701	hyper	sig	chr17_45261848
chr12	40693049	40693049	+	2.698E-18	5.75859E-17	0.280075	hyper	sig	chr12_40693049
chr3	48662228	48662228	+	2.706E-18	5.77591E-17	0.215907	hyper	sig	chr3_48662228
chr10	1.01E+08	100659546	+	2.708E-18	5.78014E-17	0.251182	hyper	sig	chr10_100659546
chr6	1.68E+08	168035673	+	2.711E-18	5.78617E-17	-0.26193	hypo	sig	chr6_168035673
chr2	1.15E+08	115161119	+	2.715E-18	5.79456E-17	0.239759	hyper	sig	chr2_115161119
chr1	42887032	42887032	+	2.716E-18	5.79464E-17	-0.24918	hypo	sig	chr1_42887032
chr6	28814147	28814147	+	2.72E-18	5.80384E-17	0.279522	hyper	sig	chr6_28814147

chr5	1.36E+08	135930942	+	2.723E-18	5.80885E-17	0.207874	hyper	sig	chr5_135930942
chr4	41746594	41746594	+	2.726E-18	5.81626E-17	0.285295	hyper	sig	chr4_41746594
chr17	58667006	58667006	+	2.731E-18	5.82673E-17	-0.25828	hypo	sig	chr17_58667006
chr20	21706789	21706789	+	2.734E-18	5.83351E-17	0.218669	hyper	sig	chr20_21706789
chr13	1.12E+08	111945351	+	2.741E-18	5.84681E-17	-0.20956	hypo	sig	chr13_111945351
chr12	139911	139911	+	2.745E-18	5.85514E-17	0.32012	hyper	sig	chr12_139911
chr7	32260068	32260068	+	2.75E-18	5.86496E-17	-0.2413	hypo	sig	chr7_32260068
chr1	2.25E+08	224617898	+	2.756E-18	5.87725E-17	0.348328	hyper	sig	chr1_224617898
chr1	2684264	2684264	+	2.761E-18	5.88879E-17	-0.22786	hypo	sig	chr1_2684264
chr11	1.34E+08	134387681	+	2.761E-18	5.88879E-17	-0.20897	hypo	sig	chr11_134387681
chr3	68931169	68931169	+	2.762E-18	5.88965E-17	0.319338	hyper	sig	chr3_68931169
chr5	1.8E+08	180388996	+	2.762E-18	5.8898E-17	-0.2329	hypo	sig	chr5_180388996
chr15	79090742	79090742	+	2.768E-18	5.90264E-17	0.334333	hyper	sig	chr15_79090742
chr5	93594928	93594928	+	2.769E-18	5.90439E-17	0.217913	hyper	sig	chr5_93594928
chr5	1.81E+08	181109151	+	2.769E-18	5.90455E-17	-0.20652	hypo	sig	chr5_181109151
chr7	45575828	45575828	+	2.77E-18	5.90704E-17	0.218914	hyper	sig	chr7_45575828
chr17	56597796	56597796	+	2.771E-18	5.90754E-17	0.210434	hyper	sig	chr17_56597796
chr6	1385904	1385904	+	2.772E-18	5.91057E-17	0.209163	hyper	sig	chr6_1385904
chr16	88416166	88416166	+	2.778E-18	5.92219E-17	-0.224	hypo	sig	chr16_88416166
chr4	6664005	6664005	+	2.782E-18	5.93152E-17	0.298182	hyper	sig	chr4_6664005
chr6	50723290	50723290	+	2.783E-18	5.93424E-17	0.232312	hyper	sig	chr6_50723290
chr3	1.82E+08	181726675	+	2.787E-18	5.94064E-17	0.203946	hyper	sig	chr3_181726675
chr11	1.2E+08	120168644	+	2.793E-18	5.95409E-17	-0.21463	hypo	sig	chr11_120168644
chr5	42944351	42944351	+	2.795E-18	5.9587E-17	0.24637	hyper	sig	chr5_42944351
chr8	1.43E+08	143248196	+	2.805E-18	5.97802E-17	-0.27545	hypo	sig	chr8_143248196
chr15	74956202	74956202	+	2.805E-18	5.97966E-17	-0.25365	hypo	sig	chr15_74956202
chr13	1.13E+08	112940496	+	2.809E-18	5.98615E-17	-0.21398	hypo	sig	chr13_112940496
chr10	55631310	55631310	+	2.812E-18	5.99196E-17	0.256128	hyper	sig	chr10_55631310
chr10	1.05E+08	104639179	+	2.814E-18	5.99697E-17	0.297686	hyper	sig	chr10_104639179
chr10	70283775	70283775	+	2.816E-18	6.0012E-17	0.291236	hyper	sig	chr10_70283775
chr1	2.21E+08	220891621	+	2.819E-18	6.00734E-17	0.243129	hyper	sig	chr1_220891621
chr11	69809821	69809821	+	2.831E-18	6.03315E-17	-0.20439	hypo	sig	chr11_69809821
chr5	45695104	45695104	+	2.835E-18	6.04108E-17	0.273434	hyper	sig	chr5_45695104
chr3	1.38E+08	137771625	+	2.838E-18	6.04713E-17	0.227078	hyper	sig	chr3_137771625
chr13	20713187	20713187	+	2.84E-18	6.04997E-17	-0.22442	hypo	sig	chr13_20713187
chr9	19788218	19788218	+	2.841E-18	6.05252E-17	0.205355	hyper	sig	chr9_19788218
chr10	1.32E+08	132141986	+	2.845E-18	6.06049E-17	-0.21342	hypo	sig	chr10_132141986
chr4	84496517	84496517	+	2.845E-18	6.06142E-17	0.245772	hyper	sig	chr4_84496517
chr17	42670433	42670433	+	2.846E-18	6.06325E-17	0.2248	hyper	sig	chr17_42670433
chr7	1.01E+08	101299814	+	2.849E-18	6.06888E-17	0.299166	hyper	sig	chr7_101299814
chr14	97978965	97978965	+	2.852E-18	6.0739E-17	-0.23158	hypo	sig	chr14_97978965
chr14	36524674	36524674	+	2.864E-18	6.09947E-17	0.266446	hyper	sig	chr14_36524674
chr1	3499109	3499109	+	2.867E-18	6.10606E-17	-0.21745	hypo	sig	chr1_3499109
chr16	89372984	89372984	+	2.873E-18	6.11799E-17	-0.20268	hypo	sig	chr16_89372984
chr4	1.44E+08	143912312	+	2.874E-18	6.12029E-17	0.2999	hyper	sig	chr4_143912312
chr1	1.52E+08	151805345	+	2.875E-18	6.12085E-17	-0.25405	hypo	sig	chr1_151805345
chr7	533414	533414	+	2.878E-18	6.12675E-17	-0.28803	hypo	sig	chr7_533414
chr11	278403	278403	+	2.878E-18	6.1272E-17	-0.20167	hypo	sig	chr11_278403
chr11	829104	829104	+	2.885E-18	6.14224E-17	-0.23697	hypo	sig	chr11_829104
chr3	1.94E+08	194370438	+	2.892E-18	6.1564E-17	-0.27034	hypo	sig	chr3_194370438
chr14	97219506	97219506	+	2.902E-18	6.17642E-17	0.230882	hyper	sig	chr14_97219506
chr2	50347592	50347592	+	2.904E-18	6.18002E-17	0.216575	hyper	sig	chr2_50347592
chr5	1639888	1639888	+	2.905E-18	6.18345E-17	-0.21942	hypo	sig	chr5_1639888
chr18	7568809	7568809	+	2.906E-18	6.18478E-17	0.222381	hyper	sig	chr18_7568809
chr13	1.14E+08	114005092	+	2.907E-18	6.18568E-17	-0.26344	hypo	sig	chr13_114005092
chr1	2.14E+08	213980066	+	2.918E-18	6.20865E-17	0.216955	hyper	sig	chr1_213980066

chr10	49679458	49679458	+	2.921E-18	6.21576E-17	0.211208	hyper	sig	chr10_49679458
chr12	1.33E+08	132524186	+	2.928E-18	6.22981E-17	-0.20366	hypo	sig	chr12_132524186
chr6	32745153	32745153	+	2.929E-18	6.23185E-17	-0.29294	hypo	sig	chr6_32745153
chr11	1.23E+08	123195821	+	2.93E-18	6.23387E-17	0.243929	hyper	sig	chr11_123195821
chr16	81692362	81692362	+	2.937E-18	6.24874E-17	-0.20156	hypo	sig	chr16_81692362
chr21	33023087	33023087	+	2.94E-18	6.25409E-17	0.266903	hyper	sig	chr21_33023087
chr13	1.12E+08	111893653	+	2.945E-18	6.26358E-17	0.208525	hyper	sig	chr13_111893653
chr10	71665731	71665731	+	2.945E-18	6.26516E-17	-0.2676	hypo	sig	chr10_71665731
chr13	70107653	70107653	+	2.947E-18	6.26762E-17	0.258684	hyper	sig	chr13_70107653
chr3	1.8E+08	180036406	+	2.947E-18	6.26765E-17	0.297643	hyper	sig	chr3_180036406
chr16	84174587	84174587	+	2.947E-18	6.26842E-17	-0.24251	hypo	sig	chr16_84174587
chr16	49277898	49277898	+	2.949E-18	6.27253E-17	0.25571	hyper	sig	chr16_49277898
chr10	1.01E+08	101284566	+	2.951E-18	6.27641E-17	0.226378	hyper	sig	chr10_101284566
chr16	89972162	89972162	+	2.952E-18	6.27711E-17	0.243461	hyper	sig	chr16_89972162
chr4	3446220	3446220	+	2.957E-18	6.28787E-17	-0.23762	hypo	sig	chr4_3446220
chr6	35789165	35789165	+	2.958E-18	6.28975E-17	-0.28372	hypo	sig	chr6_35789165
chr10	1.3E+08	129883980	+	2.958E-18	6.29065E-17	-0.20926	hypo	sig	chr10_129883980
chr7	1.24E+08	124480828	+	2.961E-18	6.29549E-17	-0.21544	hypo	sig	chr7_124480828
chr17	77242584	77242584	+	2.963E-18	6.30027E-17	-0.30555	hypo	sig	chr17_77242584
chr13	45713672	45713672	+	2.969E-18	6.31294E-17	-0.21942	hypo	sig	chr13_45713672
chr5	3597342	3597342	+	2.969E-18	6.31346E-17	0.310475	hyper	sig	chr5_3597342
chr15	52797995	52797995	+	2.97E-18	6.31454E-17	0.341767	hyper	sig	chr15_52797995
chr7	1.01E+08	101100447	+	2.972E-18	6.31856E-17	-0.21771	hypo	sig	chr7_101100447
chr2	1.72E+08	172433822	+	2.974E-18	6.32202E-17	-0.2982	hypo	sig	chr2_172433822
chr11	1.25E+08	125494834	+	2.978E-18	6.3301E-17	0.289224	hyper	sig	chr11_125494834
chr5	1.46E+08	146379295	+	2.982E-18	6.34042E-17	0.255516	hyper	sig	chr5_146379295
chr19	39265608	39265608	+	2.984E-18	6.34264E-17	0.312118	hyper	sig	chr19_39265608
chr19	48837180	48837180	+	2.989E-18	6.3547E-17	0.256444	hyper	sig	chr19_48837180
chr13	27928042	27928042	+	2.991E-18	6.35665E-17	0.310694	hyper	sig	chr13_27928042
chr12	1.14E+08	114395983	+	2.991E-18	6.35792E-17	0.239849	hyper	sig	chr12_114395983
chr3	52065356	52065356	+	2.991E-18	6.35798E-17	-0.21527	hypo	sig	chr3_52065356
chr1	2.48E+08	247936419	+	2.992E-18	6.35939E-17	-0.2578	hypo	sig	chr1_247936419
chr5	71719605	71719605	+	3.001E-18	6.37718E-17	0.298509	hyper	sig	chr5_71719605
chr16	11676400	11676400	+	3.012E-18	6.40171E-17	-0.22284	hypo	sig	chr16_11676400
chr15	83284179	83284179	+	3.013E-18	6.40228E-17	0.281451	hyper	sig	chr15_83284179
chr1	90717499	90717499	+	3.013E-18	6.40328E-17	0.234914	hyper	sig	chr1_90717499
chr22	32204959	32204959	+	3.023E-18	6.4234E-17	-0.25682	hypo	sig	chr22_32204959
chr14	36659393	36659393	+	3.023E-18	6.42406E-17	0.220569	hyper	sig	chr14_36659393
chr22	37189297	37189297	+	3.028E-18	6.43456E-17	-0.22678	hypo	sig	chr22_37189297
chr10	1.31E+08	131253462	+	3.033E-18	6.4451E-17	-0.22738	hypo	sig	chr10_131253462
chr2	1.98E+08	197786854	+	3.047E-18	6.47404E-17	0.238247	hyper	sig	chr2_197786854
chr8	1.31E+08	131042502	+	3.049E-18	6.47842E-17	0.299244	hyper	sig	chr8_131042502
chr9	37029865	37029865	+	3.052E-18	6.48351E-17	0.205041	hyper	sig	chr9_37029865
chr1	2.31E+08	230744408	+	3.059E-18	6.49717E-17	-0.25782	hypo	sig	chr1_230744408
chr16	1146661	1146661	+	3.059E-18	6.49817E-17	-0.21004	hypo	sig	chr16_1146661
chr20	54471778	54471778	+	3.059E-18	6.49842E-17	-0.25315	hypo	sig	chr20_54471778
chr1	2.31E+08	231161770	+	3.061E-18	6.50172E-17	0.263368	hyper	sig	chr1_231161770
chr6	1.61E+08	160679391	+	3.065E-18	6.50972E-17	0.314136	hyper	sig	chr6_160679391
chr2	10170174	10170174	+	3.068E-18	6.51499E-17	-0.21644	hypo	sig	chr2_10170174
chr2	3974673	3974673	+	3.08E-18	6.54159E-17	-0.2499	hypo	sig	chr2_3974673
chr11	22341267	22341267	+	3.087E-18	6.55606E-17	0.201731	hyper	sig	chr11_22341267
chr1	27872034	27872034	+	3.087E-18	6.55642E-17	-0.31744	hypo	sig	chr1_27872034
chr7	27106725	27106725	+	3.097E-18	6.5761E-17	0.208889	hyper	sig	chr7_27106725
chr2	40452436	40452436	+	3.099E-18	6.5803E-17	0.213811	hyper	sig	chr2_40452436
chr20	3227505	3227505	+	3.104E-18	6.59026E-17	-0.24133	hypo	sig	chr20_3227505
chr1	7647728	7647728	+	3.109E-18	6.60026E-17	-0.25691	hypo	sig	chr1_7647728

chr6	1.59E+08	159168966	+	3.117E-18	6.61806E-17	0.225051	hyper	sig	chr6_159168966
chr2	89612004	89612004	+	3.122E-18	6.62781E-17	0.296935	hyper	sig	chr2_89612004
chr10	1.32E+08	132118014	+	3.129E-18	6.64286E-17	-0.24912	hypo	sig	chr10_132118014
chr19	42388951	42388951	+	3.135E-18	6.65468E-17	-0.22509	hypo	sig	chr19_42388951
chr7	1.51E+08	151013298	+	3.139E-18	6.66376E-17	0.249073	hyper	sig	chr7_151013298
chr7	43112697	43112697	+	3.147E-18	6.6801E-17	0.227268	hyper	sig	chr7_43112697
chr10	91633532	91633532	+	3.15E-18	6.68628E-17	0.208941	hyper	sig	chr10_91633532
chr8	1.43E+08	142781323	+	3.151E-18	6.68725E-17	-0.21785	hypo	sig	chr8_142781323
chr4	17781810	17781810	+	3.152E-18	6.6904E-17	0.253506	hyper	sig	chr4_17781810
chr19	40568221	40568221	+	3.153E-18	6.69126E-17	0.213129	hyper	sig	chr19_40568221
chr19	51719211	51719211	+	3.161E-18	6.70818E-17	0.204331	hyper	sig	chr19_51719211
chr16	85982784	85982784	+	3.161E-18	6.7082E-17	-0.21017	hypo	sig	chr16_85982784
chr6	30111868	30111868	+	3.164E-18	6.71505E-17	-0.26745	hypo	sig	chr6_30111868
chr14	28767164	28767164	+	3.166E-18	6.71856E-17	0.271344	hyper	sig	chr14_28767164
chr19	10514175	10514175	+	3.17E-18	6.72679E-17	0.215048	hyper	sig	chr19_10514175
chr7	2700659	2700659	+	3.173E-18	6.73206E-17	-0.25347	hypo	sig	chr7_2700659
chr6	1.68E+08	168410549	+	3.173E-18	6.73207E-17	-0.2684	hypo	sig	chr6_168410549
chr12	9074724	9074724	+	3.174E-18	6.73388E-17	-0.26265	hypo	sig	chr12_9074724
chr11	1.23E+08	122977440	+	3.174E-18	6.73448E-17	0.219941	hyper	sig	chr11_122977440
chr15	81134360	81134360	+	3.175E-18	6.73653E-17	0.202651	hyper	sig	chr15_81134360
chr10	23173355	23173355	+	3.178E-18	6.74179E-17	0.276138	hyper	sig	chr10_23173355
chr2	10316131	10316131	+	3.178E-18	6.74179E-17	-0.26132	hypo	sig	chr2_10316131
chr6	1.68E+08	168356327	+	3.178E-18	6.74294E-17	-0.24236	hypo	sig	chr6_168356327
chr7	2699291	2699291	+	3.179E-18	6.74494E-17	-0.23135	hypo	sig	chr7_2699291
chr19	46373300	46373300	+	3.18E-18	6.74644E-17	-0.30653	hypo	sig	chr19_46373300
chr15	88258283	88258283	+	3.186E-18	6.75764E-17	0.271074	hyper	sig	chr15_88258283
chr7	85186268	85186268	+	3.189E-18	6.76363E-17	0.22893	hyper	sig	chr7_85186268
chr17	79752424	79752424	+	3.19E-18	6.7668E-17	-0.27373	hypo	sig	chr17_79752424
chr2	1.19E+08	118845496	+	3.191E-18	6.76756E-17	0.211701	hyper	sig	chr2_118845496
chr19	34905314	34905314	+	3.191E-18	6.76898E-17	0.288536	hyper	sig	chr19_34905314
chr11	8168879	8168879	+	3.193E-18	6.77324E-17	0.27356	hyper	sig	chr11_8168879
chr5	93587966	93587966	+	3.194E-18	6.77324E-17	0.236908	hyper	sig	chr5_93587966
chr12	1840287	1840287	+	3.2E-18	6.78692E-17	-0.23347	hypo	sig	chr12_1840287
chr4	1053033	1053033	+	3.2E-18	6.78714E-17	-0.25274	hypo	sig	chr4_1053033
chr1	3746598	3746598	+	3.202E-18	6.78991E-17	0.208603	hyper	sig	chr1_3746598
chr11	2155669	2155669	+	3.202E-18	6.78991E-17	-0.2247	hypo	sig	chr11_2155669
chr18	78388311	78388311	+	3.205E-18	6.79755E-17	-0.24327	hypo	sig	chr18_78388311
chr16	66845993	66845993	+	3.207E-18	6.80104E-17	-0.31022	hypo	sig	chr16_66845993
chr4	1.83E+08	182806051	+	3.209E-18	6.8038E-17	-0.25781	hypo	sig	chr4_182806051
chr8	8891267	8891267	+	3.209E-18	6.80407E-17	0.20304	hyper	sig	chr8_8891267
chr1	51594780	51594780	+	3.209E-18	6.80475E-17	-0.20219	hypo	sig	chr1_51594780
chr13	46898115	46898115	+	3.213E-18	6.81314E-17	-0.23721	hypo	sig	chr13_46898115
chr22	16602588	16602588	+	3.217E-18	6.81953E-17	0.203266	hyper	sig	chr22_16602588
chr6	50714711	50714711	+	3.217E-18	6.8205E-17	0.208451	hyper	sig	chr6_50714711
chr11	1.14E+08	113778343	+	3.222E-18	6.82955E-17	-0.28032	hypo	sig	chr11_113778343
chr19	57709301	57709301	+	3.226E-18	6.8384E-17	0.205439	hyper	sig	chr19_57709301
chr6	10416269	10416269	+	3.228E-18	6.84286E-17	0.210765	hyper	sig	chr6_10416269
chr3	27728682	27728682	+	3.23E-18	6.84636E-17	0.205908	hyper	sig	chr3_27728682
chr2	2.19E+08	219330177	+	3.236E-18	6.85779E-17	-0.25365	hypo	sig	chr2_219330177
chr12	1.19E+08	118980987	+	3.241E-18	6.86853E-17	0.264964	hyper	sig	chr12_118980987
chr4	6233905	6233905	+	3.252E-18	6.89157E-17	-0.23828	hypo	sig	chr4_6233905
chr6	14024402	14024402	+	3.254E-18	6.89604E-17	-0.28636	hypo	sig	chr6_14024402
chr13	78595582	78595582	+	3.258E-18	6.90329E-17	0.24073	hyper	sig	chr13_78595582
chr4	1.41E+08	141128178	+	3.265E-18	6.91935E-17	-0.30491	hypo	sig	chr4_141128178
chr5	45695315	45695315	+	3.273E-18	6.93514E-17	0.275195	hyper	sig	chr5_45695315
chr22	30340569	30340569	+	3.275E-18	6.93982E-17	0.219577	hyper	sig	chr22_30340569

chr3	1.47E+08	147424552	+	3.28E-18	6.94938E-17	0.218798	hyper	sig	chr3_147424552
chr10	1.33E+08	133178982	+	3.283E-18	6.9544E-17	-0.21132	hypo	sig	chr10_133178982
chr1	1.48E+08	148318303	+	3.283E-18	6.95515E-17	0.305237	hyper	sig	chr1_148318303
chr7	2665558	2665558	+	3.292E-18	6.97343E-17	-0.24684	hypo	sig	chr7_2665558
chr5	77973131	77973131	+	3.293E-18	6.9755E-17	0.274623	hyper	sig	chr5_77973131
chr6	6004041	6004041	+	3.295E-18	6.97876E-17	0.21338	hyper	sig	chr6_6004041
chr4	4868756	4868756	+	3.296E-18	6.98194E-17	0.257227	hyper	sig	chr4_4868756
chr15	37097252	37097252	+	3.299E-18	6.98819E-17	0.202214	hyper	sig	chr15_37097252
chr22	16602705	16602705	+	3.303E-18	6.99599E-17	0.268246	hyper	sig	chr22_16602705
chr19	54011983	54011983	+	3.312E-18	7.01412E-17	0.244157	hyper	sig	chr19_54011983
chr16	281318	281318	+	3.315E-18	7.02186E-17	-0.22037	hypo	sig	chr16_281318
chr1	986630	986630	+	3.324E-18	7.03977E-17	-0.20848	hypo	sig	chr1_986630
chr8	85438352	85438352	+	3.327E-18	7.0467E-17	0.224141	hyper	sig	chr8_85438352
chr19	23070400	23070400	+	3.329E-18	7.05047E-17	0.238871	hyper	sig	chr19_23070400
chr8	4991471	4991471	+	3.333E-18	7.05849E-17	0.276808	hyper	sig	chr8_4991471
chr13	35478491	35478491	+	3.344E-18	7.0815E-17	0.274062	hyper	sig	chr13_35478491
chr17	74856342	74856342	+	3.354E-18	7.10057E-17	-0.24719	hypo	sig	chr17_74856342
chr13	1.12E+08	111893699	+	3.354E-18	7.10186E-17	0.203723	hyper	sig	chr13_111893699
chr1	9715780	9715780	+	3.356E-18	7.10466E-17	-0.20804	hypo	sig	chr1_9715780
chr3	1.41E+08	141050802	+	3.357E-18	7.10754E-17	0.216639	hyper	sig	chr3_141050802
chr8	60660736	60660736	+	3.358E-18	7.1092E-17	-0.2498	hypo	sig	chr8_60660736
chr17	82321434	82321434	+	3.36E-18	7.11179E-17	-0.25983	hypo	sig	chr17_82321434
chr19	58033792	58033792	+	3.37E-18	7.13241E-17	0.248263	hyper	sig	chr19_58033792
chr17	3673562	3673562	+	3.371E-18	7.13596E-17	-0.26253	hypo	sig	chr17_3673562
chr16	86721987	86721987	+	3.377E-18	7.14802E-17	-0.22352	hypo	sig	chr16_86721987
chr2	1.64E+08	163735879	+	3.378E-18	7.14932E-17	0.338926	hyper	sig	chr2_163735879
chr20	23989508	23989508	+	3.383E-18	7.15954E-17	-0.26391	hypo	sig	chr20_23989508
chr22	22520244	22520244	+	3.388E-18	7.17104E-17	-0.22961	hypo	sig	chr22_22520244
chr8	1.45E+08	144711094	+	3.398E-18	7.19147E-17	-0.21109	hypo	sig	chr8_144711094
chr8	1163792	1163792	+	3.402E-18	7.19994E-17	0.213248	hyper	sig	chr8_1163792
chr6	30171880	30171880	+	3.403E-18	7.20089E-17	0.216702	hyper	sig	chr6_30171880
chr13	1.1E+08	110437073	+	3.405E-18	7.20559E-17	-0.25263	hypo	sig	chr13_110437073
chr11	22667179	22667179	+	3.409E-18	7.21244E-17	0.20395	hyper	sig	chr11_22667179
chr6	29828085	29828085	+	3.409E-18	7.2133E-17	0.214528	hyper	sig	chr6_29828085
chr11	7252304	7252304	+	3.42E-18	7.23524E-17	0.203883	hyper	sig	chr11_7252304
chr9	1.37E+08	136656833	+	3.421E-18	7.23831E-17	-0.26308	hypo	sig	chr9_136656833
chr13	26759722	26759722	+	3.422E-18	7.24026E-17	0.221581	hyper	sig	chr13_26759722
chr4	1.74E+08	173527677	+	3.423E-18	7.24237E-17	0.220868	hyper	sig	chr4_173527677
chr1	2.07E+08	207453000	+	3.436E-18	7.26825E-17	-0.22714	hypo	sig	chr1_207453000
chr5	1.41E+08	141121779	+	3.436E-18	7.26841E-17	0.216517	hyper	sig	chr5_141121779
chr17	79390356	79390356	+	3.438E-18	7.27189E-17	-0.21309	hypo	sig	chr17_79390356
chr20	45298019	45298019	+	3.438E-18	7.27246E-17	-0.22762	hypo	sig	chr20_45298019
chr3	8764679	8764679	+	3.442E-18	7.28067E-17	-0.22077	hypo	sig	chr3_8764679
chr11	20597550	20597550	+	3.444E-18	7.2841E-17	0.215066	hyper	sig	chr11_20597550
chr9	62799951	62799951	+	3.451E-18	7.29858E-17	0.24004	hyper	sig	chr9_62799951
chr19	58118617	58118617	+	3.464E-18	7.32659E-17	0.22557	hyper	sig	chr19_58118617
chr19	18007416	18007416	+	3.477E-18	7.35265E-17	0.204382	hyper	sig	chr19_18007416
chr1	2.29E+08	229433861	+	3.487E-18	7.37271E-17	0.263808	hyper	sig	chr1_229433861
chr4	65668498	65668498	+	3.491E-18	7.38214E-17	0.208196	hyper	sig	chr4_65668498
chr8	70070632	70070632	+	3.493E-18	7.38645E-17	0.265648	hyper	sig	chr8_70070632
chr17	807737	807737	+	3.505E-18	7.40929E-17	-0.20877	hypo	sig	chr17_807737
chr2	2.19E+08	219444720	+	3.507E-18	7.41271E-17	-0.21798	hypo	sig	chr2_219444720
chr7	19112442	19112442	+	3.509E-18	7.41756E-17	0.213806	hyper	sig	chr7_19112442
chr1	18631921	18631921	+	3.51E-18	7.41955E-17	0.215289	hyper	sig	chr1_18631921
chr1	1.47E+08	147079289	+	3.519E-18	7.43806E-17	0.243929	hyper	sig	chr1_147079289
chr19	2513473	2513473	+	3.522E-18	7.44454E-17	-0.21027	hypo	sig	chr19_2513473

chr2	868984	868984	+	3.523E-18	7.44555E-17	0.224576	hyper	sig	chr2_868984
chr4	20253048	20253048	+	3.524E-18	7.44699E-17	0.226326	hyper	sig	chr4_20253048
chr3	1.58E+08	158102737	+	3.527E-18	7.45371E-17	0.219941	hyper	sig	chr3_158102737
chr19	31353117	31353117	+	3.532E-18	7.46412E-17	0.20107	hyper	sig	chr19_31353117
chr17	78630248	78630248	+	3.537E-18	7.47404E-17	-0.20877	hypo	sig	chr17_78630248
chr19	815099	815099	+	3.538E-18	7.47677E-17	-0.27658	hypo	sig	chr19_815099
chr20	3408925	3408925	+	3.543E-18	7.48646E-17	0.234798	hyper	sig	chr20_3408925
chr8	1.31E+08	131039775	+	3.547E-18	7.49329E-17	0.222882	hyper	sig	chr8_131039775
chr11	1.23E+08	123195810	+	3.548E-18	7.49523E-17	0.245776	hyper	sig	chr11_123195810
chr11	1.12E+08	111912834	+	3.559E-18	7.51929E-17	0.206833	hyper	sig	chr11_111912834
chr13	45713650	45713650	+	3.561E-18	7.5218E-17	-0.2086	hypo	sig	chr13_45713650
chr17	76077442	76077442	+	3.566E-18	7.53261E-17	0.25208	hyper	sig	chr17_76077442
chr4	41744934	41744934	+	3.574E-18	7.54878E-17	0.268132	hyper	sig	chr4_41744934
chr9	1.37E+08	136986053	+	3.58E-18	7.56103E-17	0.263068	hyper	sig	chr9_136986053
chr9	1.35E+08	134731923	+	3.582E-18	7.56601E-17	-0.23479	hypo	sig	chr9_134731923
chr6	1.59E+08	158663311	+	3.592E-18	7.58709E-17	-0.3024	hypo	sig	chr6_158663311
chr4	1404811	1404811	+	3.595E-18	7.59251E-17	0.226819	hyper	sig	chr4_1404811
chr1	2.28E+08	228158397	+	3.597E-18	7.59765E-17	0.235308	hyper	sig	chr1_228158397
chr6	10422187	10422187	+	3.598E-18	7.59818E-17	0.237538	hyper	sig	chr6_10422187
chr17	58667090	58667090	+	3.598E-18	7.59906E-17	-0.24994	hypo	sig	chr17_58667090
chr2	85584169	85584169	+	3.599E-18	7.60031E-17	0.209842	hyper	sig	chr2_85584169
chr16	84689256	84689256	+	3.604E-18	7.61027E-17	-0.31807	hypo	sig	chr16_84689256
chr11	8169166	8169166	+	3.605E-18	7.61178E-17	0.218144	hyper	sig	chr11_8169166
chr12	1.32E+08	131872443	+	3.606E-18	7.61342E-17	-0.2037	hypo	sig	chr12_131872443
chr16	49275294	49275294	+	3.614E-18	7.63139E-17	0.203992	hyper	sig	chr16_49275294
chr13	1.11E+08	110944459	+	3.619E-18	7.64034E-17	-0.22784	hypo	sig	chr13_110944459
chr1	1069874	1069874	+	3.621E-18	7.64375E-17	-0.24385	hypo	sig	chr1_1069874
chr19	49433098	49433098	+	3.628E-18	7.65764E-17	0.27998	hyper	sig	chr19_49433098
chr13	1.12E+08	112241331	+	3.636E-18	7.67477E-17	-0.21685	hypo	sig	chr13_112241331
chr6	34036355	34036355	+	3.637E-18	7.67648E-17	-0.27588	hypo	sig	chr6_34036355
chr7	1.58E+08	157769233	+	3.639E-18	7.68022E-17	-0.20516	hypo	sig	chr7_157769233
chr6	1.08E+08	108167173	+	3.646E-18	7.69491E-17	0.202069	hyper	sig	chr6_108167173
chr22	48500711	48500711	+	3.646E-18	7.69525E-17	-0.21042	hypo	sig	chr22_48500711
chr10	1.17E+08	117132117	+	3.65E-18	7.70406E-17	0.233965	hyper	sig	chr10_117132117
chr16	86507850	86507850	+	3.655E-18	7.7136E-17	0.243043	hyper	sig	chr16_86507850
chr8	1.08E+08	108082974	+	3.655E-18	7.71391E-17	0.292469	hyper	sig	chr8_108082974
chr17	1519179	1519179	+	3.658E-18	7.71892E-17	-0.24339	hypo	sig	chr17_1519179
chr1	18600012	18600012	+	3.659E-18	7.72233E-17	-0.27394	hypo	sig	chr1_18600012
chr6	65788841	65788841	+	3.662E-18	7.72643E-17	-0.23813	hypo	sig	chr6_65788841
chr12	42141064	42141064	+	3.662E-18	7.72788E-17	-0.2997	hypo	sig	chr12_42141064
chr9	1.37E+08	137174341	+	3.664E-18	7.73047E-17	-0.22695	hypo	sig	chr9_137174341
chr13	1.14E+08	114115218	+	3.666E-18	7.73574E-17	-0.23796	hypo	sig	chr13_114115218
chr1	3071081	3071081	+	3.683E-18	7.76929E-17	0.203847	hyper	sig	chr1_3071081
chr10	26214968	26214968	+	3.683E-18	7.76929E-17	0.203047	hyper	sig	chr10_26214968
chr17	74240880	74240880	+	3.683E-18	7.76929E-17	-0.21596	hypo	sig	chr17_74240880
chr13	20137562	20137562	+	3.688E-18	7.7791E-17	-0.29929	hypo	sig	chr13_20137562
chr4	80186015	80186015	+	3.693E-18	7.78979E-17	0.215689	hyper	sig	chr4_80186015
chr13	1.11E+08	111121529	+	3.698E-18	7.79972E-17	-0.29685	hypo	sig	chr13_111121529
chr17	76917417	76917417	+	3.699E-18	7.80133E-17	-0.27735	hypo	sig	chr17_76917417
chr3	1.97E+08	197027667	+	3.701E-18	7.80552E-17	-0.23844	hypo	sig	chr3_197027667
chr6	1.33E+08	133241636	+	3.703E-18	7.80974E-17	0.368732	hyper	sig	chr6_133241636
chr16	89056073	89056073	+	3.708E-18	7.82036E-17	-0.26201	hypo	sig	chr16_89056073
chr17	83075661	83075661	+	3.709E-18	7.82165E-17	-0.2585	hypo	sig	chr17_83075661
chr11	1628761	1628761	+	3.713E-18	7.82962E-17	-0.2045	hypo	sig	chr11_1628761
chr8	2561934	2561934	+	3.715E-18	7.83387E-17	0.242496	hyper	sig	chr8_2561934
chr21	36696980	36696980	+	3.717E-18	7.83864E-17	0.276568	hyper	sig	chr21_36696980

chr4	3478863	3478863	+	3.718E-18	7.84075E-17	-0.21912	hypo	sig	chr4_3478863
chr15	52795119	52795119	+	3.721E-18	7.8458E-17	0.322814	hyper	sig	chr15_52795119
chr20	38805586	38805586	+	3.73E-18	7.86449E-17	0.226115	hyper	sig	chr20_38805586
chr7	1.22E+08	122300310	+	3.734E-18	7.87222E-17	0.210349	hyper	sig	chr7_122300310
chr8	27919371	27919371	+	3.737E-18	7.87878E-17	-0.22521	hypo	sig	chr8_27919371
chr2	1E+08	100321097	+	3.738E-18	7.88124E-17	0.235908	hyper	sig	chr2_100321097
chr6	1.7E+08	170477214	+	3.753E-18	7.91157E-17	-0.25054	hypo	sig	chr6_170477214
chr20	64058851	64058851	+	3.769E-18	7.94393E-17	-0.24385	hypo	sig	chr20_64058851
chr11	1.25E+08	124920411	+	3.77E-18	7.94618E-17	-0.28371	hypo	sig	chr11_124920411
chr7	1.3E+08	130485995	+	3.777E-18	7.96098E-17	-0.21345	hypo	sig	chr7_130485995
chr5	88889273	88889273	+	3.78E-18	7.96672E-17	0.268262	hyper	sig	chr5_88889273
chr5	169936	169936	+	3.78E-18	7.96716E-17	-0.28418	hypo	sig	chr5_169936
chr17	81941663	81941663	+	3.781E-18	7.96891E-17	-0.20388	hypo	sig	chr17_81941663
chr1	2.08E+08	207669667	+	3.792E-18	7.99069E-17	0.288169	hyper	sig	chr1_207669667
chr20	37902537	37902537	+	3.796E-18	7.99926E-17	0.299941	hyper	sig	chr20_37902537
chr3	1.38E+08	137767203	+	3.797E-18	8.00002E-17	0.236191	hyper	sig	chr3_137767203
chr6	1.68E+08	168414935	+	3.807E-18	8.02225E-17	-0.21596	hypo	sig	chr6_168414935
chr9	1.14E+08	113609754	+	3.817E-18	8.04208E-17	0.220238	hyper	sig	chr9_113609754
chr7	1.12E+08	111562970	+	3.818E-18	8.0442E-17	-0.24961	hypo	sig	chr7_111562970
chr5	1.77E+08	176889968	+	3.819E-18	8.04582E-17	-0.28456	hypo	sig	chr5_176889968
chr1	11526198	11526198	+	3.823E-18	8.05425E-17	-0.23949	hypo	sig	chr1_11526198
chr2	50347570	50347570	+	3.83E-18	8.06778E-17	0.214727	hyper	sig	chr2_50347570
chr10	1.32E+08	132132431	+	3.83E-18	8.06924E-17	-0.30044	hypo	sig	chr10_132132431
chr5	45696442	45696442	+	3.832E-18	8.07193E-17	0.234662	hyper	sig	chr5_45696442
chr5	1.41E+08	140870845	+	3.832E-18	8.0721E-17	0.213801	hyper	sig	chr5_140870845
chr20	62474879	62474879	+	3.835E-18	8.07808E-17	0.201448	hyper	sig	chr20_62474879
chr12	54060559	54060559	+	3.843E-18	8.09424E-17	0.21497	hyper	sig	chr12_54060559
chr7	1.58E+08	157683858	+	3.85E-18	8.10949E-17	0.222837	hyper	sig	chr7_157683858
chr10	1.3E+08	129962886	+	3.851E-18	8.11073E-17	0.216239	hyper	sig	chr10_129962886
chr19	54277195	54277195	+	3.853E-18	8.11384E-17	-0.2647	hypo	sig	chr19_54277195
chr16	1068930	1068930	+	3.859E-18	8.12678E-17	-0.26628	hypo	sig	chr16_1068930
chr17	44967273	44967273	+	3.865E-18	8.13815E-17	0.202523	hyper	sig	chr17_44967273
chr10	55630195	55630195	+	3.865E-18	8.13944E-17	0.268845	hyper	sig	chr10_55630195
chr13	1.13E+08	113420418	+	3.874E-18	8.1578E-17	-0.26663	hypo	sig	chr13_113420418
chr22	48624621	48624621	+	3.875E-18	8.15969E-17	-0.20555	hypo	sig	chr22_48624621
chr3	44021899	44021899	+	3.882E-18	8.1728E-17	0.214317	hyper	sig	chr3_44021899
chr7	1.03E+08	103153003	+	3.887E-18	8.18461E-17	-0.22601	hypo	sig	chr7_103153003
chr4	6663956	6663956	+	3.888E-18	8.18546E-17	0.27695	hyper	sig	chr4_6663956
chr4	1.11E+08	110614500	+	3.899E-18	8.20818E-17	0.298014	hyper	sig	chr4_110614500
chr6	37658575	37658575	+	3.904E-18	8.21731E-17	-0.26248	hypo	sig	chr6_37658575
chr10	11742082	11742082	+	3.905E-18	8.22002E-17	0.202825	hyper	sig	chr10_11742082
chr1	1.53E+08	152827466	+	3.915E-18	8.24053E-17	-0.22608	hypo	sig	chr1_152827466
chr14	77026628	77026628	+	3.916E-18	8.24174E-17	0.24928	hyper	sig	chr14_77026628
chr4	52862774	52862774	+	3.92E-18	8.24913E-17	0.220053	hyper	sig	chr4_52862774
chr1	2E+08	200036789	+	3.923E-18	8.25528E-17	0.29525	hyper	sig	chr1_200036789
chr9	21031815	21031815	+	3.924E-18	8.25775E-17	0.279231	hyper	sig	chr9_21031815
chr2	1.76E+08	176081240	+	3.927E-18	8.26288E-17	0.269539	hyper	sig	chr2_176081240
chr11	3638580	3638580	+	3.94E-18	8.29108E-17	-0.30733	hypo	sig	chr11_3638580
chr1	11538270	11538270	+	3.942E-18	8.2937E-17	-0.23505	hypo	sig	chr1_11538270
chr13	78595629	78595629	+	3.947E-18	8.30391E-17	0.295214	hyper	sig	chr13_78595629
chr17	82321423	82321423	+	3.949E-18	8.30898E-17	-0.29076	hypo	sig	chr17_82321423
chr20	50343820	50343820	+	3.955E-18	8.32079E-17	-0.21529	hypo	sig	chr20_50343820
chr5	1.78E+08	178281527	+	3.955E-18	8.32085E-17	-0.20315	hypo	sig	chr5_178281527
chr11	18728670	18728670	+	3.958E-18	8.32602E-17	-0.20488	hypo	sig	chr11_18728670
chr13	53201008	53201008	+	3.963E-18	8.33688E-17	0.237906	hyper	sig	chr13_53201008
chr19	17377573	17377573	+	3.964E-18	8.33844E-17	-0.27716	hypo	sig	chr19_17377573

chr2	10494081	10494081	+	3.98E-18	8.37169E-17	-0.22367	hypo	sig	chr2_10494081
chr19	5290480	5290480	+	3.984E-18	8.37973E-17	-0.20471	hypo	sig	chr19_5290480
chr22	45004917	45004917	+	3.984E-18	8.37974E-17	-0.22476	hypo	sig	chr22_45004917
chr1	1.54E+08	153568286	+	3.984E-18	8.38001E-17	-0.31152	hypo	sig	chr1_153568286
chr5	3599492	3599492	+	3.989E-18	8.38951E-17	0.304945	hyper	sig	chr5_3599492
chr22	18968948	18968948	+	3.996E-18	8.40368E-17	-0.20751	hypo	sig	chr22_18968948
chr11	31815975	31815975	+	3.999E-18	8.40901E-17	0.232229	hyper	sig	chr11_31815975
chr15	83108050	83108050	+	3.999E-18	8.40969E-17	0.211487	hyper	sig	chr15_83108050
chr1	1.57E+08	156849195	+	4.003E-18	8.41827E-17	0.278171	hyper	sig	chr1_156849195
chr2	68318863	68318863	+	4.009E-18	8.42991E-17	0.325729	hyper	sig	chr2_68318863
chr5	45695387	45695387	+	4.009E-18	8.42991E-17	0.205172	hyper	sig	chr5_45695387
chr12	1.17E+08	117033895	+	4.02E-18	8.45163E-17	0.232356	hyper	sig	chr12_117033895
chr18	78977838	78977838	+	4.022E-18	8.45687E-17	0.202465	hyper	sig	chr18_78977838
chr11	1916227	1916227	+	4.029E-18	8.47181E-17	-0.23697	hypo	sig	chr11_1916227
chr7	1.44E+08	143885484	+	4.035E-18	8.48421E-17	0.269615	hyper	sig	chr7_143885484
chr13	77918259	77918259	+	4.041E-18	8.4954E-17	0.268373	hyper	sig	chr13_77918259
chr4	1.85E+08	185021128	+	4.045E-18	8.50346E-17	0.246899	hyper	sig	chr4_185021128
chr5	1.75E+08	175443895	+	4.049E-18	8.51078E-17	0.227189	hyper	sig	chr5_175443895
chr1	3143201	3143201	+	4.05E-18	8.51358E-17	-0.20487	hypo	sig	chr1_3143201
chr13	57630121	57630121	+	4.051E-18	8.51411E-17	0.317878	hyper	sig	chr13_57630121
chr20	4761835	4761835	+	4.056E-18	8.52488E-17	-0.3408	hypo	sig	chr20_4761835
chr5	1.42E+08	142014153	+	4.062E-18	8.53631E-17	-0.29178	hypo	sig	chr5_142014153
chr2	80322776	80322776	+	4.062E-18	8.53634E-17	0.226065	hyper	sig	chr2_80322776
chr5	88889260	88889260	+	4.064E-18	8.54122E-17	0.255122	hyper	sig	chr5_88889260
chr7	4725214	4725214	+	4.068E-18	8.54874E-17	0.241937	hyper	sig	chr7_4725214
chr5	77972529	77972529	+	4.071E-18	8.55572E-17	0.223671	hyper	sig	chr5_77972529
chr5	1.59E+08	159104549	+	4.078E-18	8.5691E-17	0.256568	hyper	sig	chr5_159104549
chr17	48620911	48620911	+	4.08E-18	8.57333E-17	-0.32908	hypo	sig	chr17_48620911
chr5	674432	674432	+	4.08E-18	8.57376E-17	-0.29398	hypo	sig	chr5_674432
chr16	2284963	2284963	+	4.083E-18	8.57927E-17	-0.20782	hypo	sig	chr16_2284963
chr4	1.04E+08	103720093	+	4.087E-18	8.58663E-17	0.221124	hyper	sig	chr4_103720093
chr2	86790323	86790323	+	4.087E-18	8.58684E-17	0.220731	hyper	sig	chr2_86790323
chr5	1.73E+08	173244677	+	4.087E-18	8.58684E-17	0.254215	hyper	sig	chr5_173244677
chr8	22112731	22112731	+	4.088E-18	8.58839E-17	-0.2031	hypo	sig	chr8_22112731
chr16	1180066	1180066	+	4.091E-18	8.59487E-17	-0.21953	hypo	sig	chr16_1180066
chr12	1.17E+08	116882511	+	4.095E-18	8.60306E-17	0.240128	hyper	sig	chr12_116882511
chr16	29877319	29877319	+	4.097E-18	8.60743E-17	0.229015	hyper	sig	chr16_29877319
chr11	68842860	68842860	+	4.099E-18	8.61016E-17	-0.23551	hypo	sig	chr11_68842860
chr1	2.21E+08	220887537	+	4.099E-18	8.61039E-17	0.208302	hyper	sig	chr1_220887537
chr6	1.52E+08	151807540	+	4.1E-18	8.61152E-17	0.213545	hyper	sig	chr6_151807540
chr3	1.97E+08	197027630	+	4.103E-18	8.61761E-17	-0.23011	hypo	sig	chr3_197027630
chr7	1.58E+08	157588548	+	4.105E-18	8.62131E-17	-0.2454	hypo	sig	chr7_157588548
chr19	53058689	53058689	+	4.129E-18	8.67173E-17	0.271242	hyper	sig	chr19_53058689
chr17	82321132	82321132	+	4.131E-18	8.67535E-17	-0.25447	hypo	sig	chr17_82321132
chr15	89367888	89367888	+	4.131E-18	8.67619E-17	0.253018	hyper	sig	chr15_89367888
chr18	49812675	49812675	+	4.133E-18	8.6792E-17	-0.31003	hypo	sig	chr18_49812675
chr1	2.28E+08	228149847	+	4.136E-18	8.68515E-17	-0.23957	hypo	sig	chr1_228149847
chr2	2.39E+08	239498990	+	4.14E-18	8.69372E-17	-0.27903	hypo	sig	chr2_239498990
chr5	1.41E+08	140807152	+	4.147E-18	8.70855E-17	0.222921	hyper	sig	chr5_140807152
chr15	31483168	31483168	+	4.161E-18	8.73816E-17	0.230942	hyper	sig	chr15_31483168
chr8	11705446	11705446	+	4.163E-18	8.74085E-17	0.267942	hyper	sig	chr8_11705446
chr8	23226086	23226086	+	4.175E-18	8.76535E-17	-0.31419	hypo	sig	chr8_23226086
chr4	84495924	84495924	+	4.199E-18	8.81508E-17	0.259273	hyper	sig	chr4_84495924
chr15	80778510	80778510	+	4.201E-18	8.81965E-17	-0.23961	hypo	sig	chr15_80778510
chr17	14298420	14298420	+	4.202E-18	8.82131E-17	0.216676	hyper	sig	chr17_14298420
chr3	1.25E+08	125141951	+	4.203E-18	8.82179E-17	0.291675	hyper	sig	chr3_125141951

chr12	81078318	81078318	+	4.213E-18	8.84387E-17	0.215603	hyper	sig	chr12_81078318
chr4	1.47E+08	146654910	+	4.215E-18	8.84669E-17	0.342681	hyper	sig	chr4_146654910
chr1	2E+08	200038743	+	4.218E-18	8.85404E-17	0.316094	hyper	sig	chr1_200038743
chr5	79069868	79069868	+	4.22E-18	8.85643E-17	0.237446	hyper	sig	chr5_79069868
chr16	1443716	1443716	+	4.229E-18	8.87469E-17	-0.2472	hypo	sig	chr16_1443716
chr12	15221117	15221117	+	4.233E-18	8.88234E-17	0.276808	hyper	sig	chr12_15221117
chr5	1.58E+08	157564482	+	4.237E-18	8.89048E-17	-0.24032	hypo	sig	chr5_157564482
chr7	1.54E+08	153749171	+	4.237E-18	8.89178E-17	0.266323	hyper	sig	chr7_153749171
chr7	1.55E+08	155459245	+	4.239E-18	8.89519E-17	0.214314	hyper	sig	chr7_155459245
chr1	13701072	13701072	+	4.24E-18	8.89649E-17	0.200386	hyper	sig	chr1_13701072
chr13	54829733	54829733	+	4.246E-18	8.90935E-17	-0.27826	hypo	sig	chr13_54829733
chr20	45097847	45097847	+	4.246E-18	8.90935E-17	0.20923	hyper	sig	chr20_45097847
chr8	10735643	10735643	+	4.246E-18	8.90955E-17	-0.22667	hypo	sig	chr8_10735643
chr6	30453340	30453340	+	4.253E-18	8.92317E-17	0.201536	hyper	sig	chr6_30453340
chr13	27926663	27926663	+	4.254E-18	8.92513E-17	0.386504	hyper	sig	chr13_27926663
chr17	83076995	83076995	+	4.258E-18	8.93253E-17	-0.2114	hypo	sig	chr17_83076995
chr9	1.27E+08	126614990	+	4.259E-18	8.93462E-17	0.228057	hyper	sig	chr9_126614990
chr1	2.31E+08	231161339	+	4.275E-18	8.96646E-17	0.211561	hyper	sig	chr1_231161339
chr5	538642	538642	+	4.276E-18	8.96818E-17	-0.22424	hypo	sig	chr5_538642
chr15	23686581	23686581	+	4.287E-18	8.99235E-17	0.262521	hyper	sig	chr15_23686581
chr16	1427904	1427904	+	4.29E-18	8.99745E-17	-0.25312	hypo	sig	chr16_1427904
chr9	1.16E+08	116154895	+	4.301E-18	9.01889E-17	0.223691	hyper	sig	chr9_116154895
chr19	57321044	57321044	+	4.302E-18	9.02165E-17	0.265119	hyper	sig	chr19_57321044
chr18	76350868	76350868	+	4.307E-18	9.03214E-17	-0.23088	hypo	sig	chr18_76350868
chr5	88685408	88685408	+	4.311E-18	9.0403E-17	0.239834	hyper	sig	chr5_88685408
chr6	32394930	32394930	+	4.315E-18	9.04792E-17	-0.2602	hypo	sig	chr6_32394930
chr7	37448645	37448645	+	4.315E-18	9.04846E-17	0.219418	hyper	sig	chr7_37448645
chr19	39398547	39398547	+	4.318E-18	9.05452E-17	-0.26094	hypo	sig	chr19_39398547
chr20	63578490	63578490	+	4.319E-18	9.05599E-17	-0.26374	hypo	sig	chr20_63578490
chr1	1.1E+08	109636503	+	4.325E-18	9.06765E-17	-0.29852	hypo	sig	chr1_109636503
chr10	1.19E+08	118595188	+	4.328E-18	9.07279E-17	0.213964	hyper	sig	chr10_118595188
chr19	15010704	15010704	+	4.344E-18	9.10754E-17	0.242167	hyper	sig	chr19_15010704
chr5	1.75E+08	175444038	+	4.345E-18	9.10847E-17	0.232371	hyper	sig	chr5_175444038
chr8	13131726	13131726	+	4.348E-18	9.11445E-17	0.273787	hyper	sig	chr8_13131726
chr1	2596038	2596038	+	4.352E-18	9.12311E-17	-0.24178	hypo	sig	chr1_2596038
chr19	49030052	49030052	+	4.364E-18	9.14649E-17	-0.29989	hypo	sig	chr19_49030052
chr19	35959574	35959574	+	4.383E-18	9.18484E-17	0.277656	hyper	sig	chr19_35959574
chr12	81078265	81078265	+	4.386E-18	9.19065E-17	0.24539	hyper	sig	chr12_81078265
chr19	58356378	58356378	+	4.388E-18	9.19456E-17	0.232285	hyper	sig	chr19_58356378
chr15	99019778	99019778	+	4.39E-18	9.19732E-17	-0.33305	hypo	sig	chr15_99019778
chr11	1.23E+08	122980215	+	4.39E-18	9.19743E-17	0.200177	hyper	sig	chr11_122980215
chr15	23686574	23686574	+	4.396E-18	9.20922E-17	0.244824	hyper	sig	chr15_23686574
chr10	1.23E+08	122818675	+	4.4E-18	9.21854E-17	0.234308	hyper	sig	chr10_122818675
chr4	4858126	4858126	+	4.413E-18	9.24527E-17	0.22532	hyper	sig	chr4_4858126
chr17	38562308	38562308	+	4.415E-18	9.24794E-17	0.238777	hyper	sig	chr17_38562308
chr12	1.14E+08	114403892	+	4.42E-18	9.25837E-17	0.231582	hyper	sig	chr12_114403892
chr2	1.3E+08	130229990	+	4.421E-18	9.26114E-17	-0.23775	hypo	sig	chr2_130229990
chr11	1.25E+08	125494796	+	4.448E-18	9.31559E-17	0.304821	hyper	sig	chr11_125494796
chr8	1.34E+08	133566075	+	4.45E-18	9.3192E-17	-0.32739	hypo	sig	chr8_133566075
chr10	1.33E+08	133106826	+	4.454E-18	9.32752E-17	-0.239	hypo	sig	chr10_133106826
chr22	37071680	37071680	+	4.474E-18	9.36933E-17	-0.23101	hypo	sig	chr22_37071680
chr10	1.33E+08	133164528	+	4.476E-18	9.37158E-17	-0.20126	hypo	sig	chr10_133164528
chr2	2.28E+08	228181895	+	4.485E-18	9.39142E-17	0.252859	hyper	sig	chr2_228181895
chr22	46661474	46661474	+	4.487E-18	9.39533E-17	-0.21419	hypo	sig	chr22_46661474
chr1	1.19E+08	118985051	+	4.488E-18	9.39707E-17	0.299123	hyper	sig	chr1_118985051
chr1	1161337	1161337	+	4.488E-18	9.39708E-17	-0.30815	hypo	sig	chr1_1161337

chr11	2335593	2335593	+	4.489E-18	9.39917E-17	-0.20773	hypo	sig	chr11_2335593
chr12	57628179	57628179	+	4.494E-18	9.40775E-17	0.213365	hyper	sig	chr12_57628179
chr2	1.76E+08	176083275	+	4.497E-18	9.41375E-17	0.242186	hyper	sig	chr2_176083275
chr3	46876776	46876776	+	4.498E-18	9.41565E-17	-0.20197	hypo	sig	chr3_46876776
chr12	1.1E+08	109606771	+	4.498E-18	9.41578E-17	-0.24118	hypo	sig	chr12_109606771
chr4	41867478	41867478	+	4.499E-18	9.41691E-17	0.220466	hyper	sig	chr4_41867478
chr3	1.58E+08	158095628	+	4.499E-18	9.41735E-17	0.287058	hyper	sig	chr3_158095628
chr1	2.14E+08	213980075	+	4.507E-18	9.43365E-17	0.214434	hyper	sig	chr1_213980075
chr19	55118613	55118613	+	4.514E-18	9.44701E-17	0.221129	hyper	sig	chr19_55118613
chr16	89620644	89620644	+	4.516E-18	9.45041E-17	0.204809	hyper	sig	chr16_89620644
chr7	37448647	37448647	+	4.516E-18	9.45146E-17	0.214237	hyper	sig	chr7_37448647
chr12	12465962	12465962	+	4.53E-18	9.47928E-17	0.205753	hyper	sig	chr12_12465962
chr2	2.32E+08	231662751	+	4.532E-18	9.48372E-17	-0.24146	hypo	sig	chr2_231662751
chr12	54055162	54055162	+	4.533E-18	9.4852E-17	0.29548	hyper	sig	chr12_54055162
chr9	1.37E+08	137244369	+	4.547E-18	9.51389E-17	-0.27533	hypo	sig	chr9_137244369
chr15	26970865	26970865	+	4.548E-18	9.5164E-17	0.221889	hyper	sig	chr15_26970865
chr9	1.27E+08	126615023	+	4.551E-18	9.52265E-17	0.227513	hyper	sig	chr9_126615023
chr13	52487715	52487715	+	4.558E-18	9.53688E-17	-0.27971	hypo	sig	chr13_52487715
chr3	42935392	42935392	+	4.569E-18	9.55898E-17	-0.24028	hypo	sig	chr3_42935392
chr1	21608266	21608266	+	4.572E-18	9.56407E-17	-0.27349	hypo	sig	chr1_21608266
chr3	1.72E+08	172449945	+	4.577E-18	9.57497E-17	0.241312	hyper	sig	chr3_172449945
chr4	107300	107300	+	4.581E-18	9.58236E-17	0.293568	hyper	sig	chr4_107300
chr7	27144147	27144147	+	4.583E-18	9.58591E-17	0.235645	hyper	sig	chr7_27144147
chr20	17225913	17225913	+	4.583E-18	9.58661E-17	0.265366	hyper	sig	chr20_17225913
chr17	79752458	79752458	+	4.592E-18	9.60364E-17	-0.26756	hypo	sig	chr17_79752458
chr3	1.34E+08	133674275	+	4.598E-18	9.61586E-17	0.238719	hyper	sig	chr3_133674275
chr19	41933080	41933080	+	4.604E-18	9.62876E-17	-0.31071	hypo	sig	chr19_41933080
chr1	1.19E+08	118993711	+	4.609E-18	9.63902E-17	0.247205	hyper	sig	chr1_118993711
chr5	88678187	88678187	+	4.616E-18	9.6524E-17	0.237316	hyper	sig	chr5_88678187
chr2	1.54E+08	153871415	+	4.617E-18	9.65395E-17	0.28347	hyper	sig	chr2_153871415
chr4	1.22E+08	121765027	+	4.627E-18	9.67468E-17	0.220334	hyper	sig	chr4_121765027
chr13	42011937	42011937	+	4.627E-18	9.6751E-17	-0.23552	hypo	sig	chr13_42011937
chr13	25096069	25096069	+	4.639E-18	9.70005E-17	0.267335	hyper	sig	chr13_25096069
chr8	54454235	54454235	+	4.64E-18	9.70183E-17	0.283038	hyper	sig	chr8_54454235
chr5	1851009	1851009	+	4.645E-18	9.71111E-17	0.221507	hyper	sig	chr5_1851009
chr14	99909893	99909893	+	4.648E-18	9.71716E-17	-0.33847	hypo	sig	chr14_99909893
chr11	528896	528896	+	4.649E-18	9.71988E-17	-0.21473	hypo	sig	chr11_528896
chr5	1.35E+08	135327331	+	4.656E-18	9.73367E-17	0.203182	hyper	sig	chr5_135327331
chr10	1185233	1185233	+	4.658E-18	9.7384E-17	-0.25493	hypo	sig	chr10_1185233
chr4	1.55E+08	154741243	+	4.661E-18	9.74438E-17	0.208945	hyper	sig	chr4_154741243
chr13	1.12E+08	112069907	+	4.665E-18	9.75202E-17	0.31162	hyper	sig	chr13_112069907
chr7	1.57E+08	157499439	+	4.665E-18	9.75222E-17	-0.20599	hypo	sig	chr7_157499439
chr15	89333450	89333450	+	4.687E-18	9.79692E-17	-0.20073	hypo	sig	chr15_89333450
chr4	912058	912058	+	4.69E-18	9.8023E-17	-0.24805	hypo	sig	chr4_912058
chr12	54004740	54004740	+	4.698E-18	9.8205E-17	0.218222	hyper	sig	chr12_54004740
chr6	10390073	10390073	+	4.723E-18	9.87083E-17	0.239035	hyper	sig	chr6_10390073
chr9	1.37E+08	136998135	+	4.725E-18	9.87437E-17	-0.25784	hypo	sig	chr9_136998135
chr3	49903456	49903456	+	4.728E-18	9.88141E-17	-0.20872	hypo	sig	chr3_49903456
chr7	1.39E+08	138798059	+	4.73E-18	9.88342E-17	0.25859	hyper	sig	chr7_138798059
chr16	55330945	55330945	+	4.73E-18	9.88427E-17	0.252304	hyper	sig	chr16_55330945
chr10	45673227	45673227	+	4.734E-18	9.89187E-17	-0.26169	hypo	sig	chr10_45673227
chr11	865697	865697	+	4.735E-18	9.89397E-17	-0.21972	hypo	sig	chr11_865697
chr19	56765309	56765309	+	4.739E-18	9.90146E-17	0.28347	hyper	sig	chr19_56765309
chr4	1.57E+08	157222598	+	4.74E-18	9.90412E-17	0.236119	hyper	sig	chr4_157222598
chr6	1.1E+08	110357753	+	4.741E-18	9.90488E-17	0.21387	hyper	sig	chr6_110357753
chr1	1.47E+08	147079247	+	4.743E-18	9.90948E-17	0.257773	hyper	sig	chr1_147079247

chr19	3821327	3821327	+	4.745E-18	9.91337E-17	-0.28599	hypo	sig	chr19_3821327
chr17	58667052	58667052	+	4.75E-18	9.92217E-17	-0.24325	hypo	sig	chr17_58667052
chr2	1.3E+08	130037241	+	4.754E-18	9.93091E-17	0.232548	hyper	sig	chr2_130037241
chr1	28517189	28517189	+	4.755E-18	9.93172E-17	-0.26961	hypo	sig	chr1_28517189
chr14	70189359	70189359	+	4.755E-18	9.93172E-17	0.205046	hyper	sig	chr14_70189359
chr5	2739097	2739097	+	4.757E-18	9.93672E-17	0.201208	hyper	sig	chr5_2739097
chr19	36245395	36245395	+	4.769E-18	9.96009E-17	0.265191	hyper	sig	chr19_36245395
chr2	1.18E+08	117836312	+	4.784E-18	9.99169E-17	0.301912	hyper	sig	chr2_117836312
chr7	92608811	92608811	+	4.785E-18	9.99423E-17	-0.2127	hypo	sig	chr7_92608811
chr4	3649832	3649832	+	4.789E-18	1.00019E-16	-0.27523	hypo	sig	chr4_3649832
chr6	26744304	26744304	+	4.808E-18	1.004E-16	0.361405	hyper	sig	chr6_26744304
chr5	1217973	1217973	+	4.808E-18	1.00403E-16	-0.24731	hypo	sig	chr5_1217973
chr8	1.43E+08	143187122	+	4.808E-18	1.00403E-16	-0.23015	hypo	sig	chr8_143187122
chr2	2.31E+08	231400255	+	4.826E-18	1.0077E-16	0.249352	hyper	sig	chr2_231400255
chr6	10389953	10389953	+	4.833E-18	1.00897E-16	0.338553	hyper	sig	chr6_10389953
chr2	20106835	20106835	+	4.833E-18	1.00905E-16	0.268001	hyper	sig	chr2_20106835
chr2	2.31E+08	231394815	+	4.841E-18	1.01071E-16	0.209625	hyper	sig	chr2_231394815
chr11	8031031	8031031	+	4.852E-18	1.01296E-16	-0.30882	hypo	sig	chr11_8031031
chr6	31889187	31889187	+	4.854E-18	1.01326E-16	-0.22335	hypo	sig	chr6_31889187
chr10	3781818	3781818	+	4.859E-18	1.01427E-16	-0.20111	hypo	sig	chr10_3781818
chr16	1482410	1482410	+	4.863E-18	1.01507E-16	-0.30912	hypo	sig	chr16_1482410
chr13	1.1E+08	110129211	+	4.863E-18	1.01509E-16	-0.22633	hypo	sig	chr13_110129211
chr6	3752598	3752598	+	4.865E-18	1.01533E-16	0.232509	hyper	sig	chr6_3752598
chr7	1.58E+08	157796076	+	4.865E-18	1.01541E-16	-0.20151	hypo	sig	chr7_157796076
chr18	21242962	21242962	+	4.87E-18	1.01629E-16	0.213464	hyper	sig	chr18_21242962
chr16	2184050	2184050	+	4.872E-18	1.01671E-16	-0.203	hypo	sig	chr16_2184050
chr8	1.16E+08	115667862	+	4.878E-18	1.01792E-16	0.200344	hyper	sig	chr8_115667862
chr5	1362701	1362701	+	4.879E-18	1.01813E-16	-0.28149	hypo	sig	chr5_1362701
chr1	2.07E+08	207496532	+	4.89E-18	1.02031E-16	0.205452	hyper	sig	chr1_207496532
chr17	65537101	65537101	+	4.891E-18	1.02046E-16	-0.24408	hypo	sig	chr17_65537101
chr13	36346689	36346689	+	4.907E-18	1.02387E-16	0.203794	hyper	sig	chr13_36346689
chr22	48672921	48672921	+	4.914E-18	1.02519E-16	-0.20959	hypo	sig	chr22_48672921
chr16	88416614	88416614	+	4.914E-18	1.02527E-16	-0.20429	hypo	sig	chr16_88416614
chr1	10671992	10671992	+	4.924E-18	1.02716E-16	0.255506	hyper	sig	chr1_10671992
chr6	1.01E+08	101392453	+	4.925E-18	1.02739E-16	0.271572	hyper	sig	chr6_101392453
chr18	57441822	57441822	+	4.929E-18	1.02809E-16	0.203833	hyper	sig	chr18_57441822
chr9	975788	975788	+	4.94E-18	1.03042E-16	0.265158	hyper	sig	chr9_975788
chr2	94998510	94998510	+	4.942E-18	1.03073E-16	0.255443	hyper	sig	chr2_94998510
chr5	42994042	42994042	+	4.946E-18	1.03151E-16	0.242556	hyper	sig	chr5_42994042
chr17	80823179	80823179	+	4.952E-18	1.03281E-16	-0.23596	hypo	sig	chr17_80823179
chr2	21032448	21032448	+	4.953E-18	1.033E-16	-0.25103	hypo	sig	chr2_21032448
chr16	55331910	55331910	+	4.954E-18	1.03312E-16	0.281135	hyper	sig	chr16_55331910
chr6	84772915	84772915	+	4.955E-18	1.03339E-16	0.240919	hyper	sig	chr6_84772915
chr2	2.08E+08	208406901	+	4.957E-18	1.03378E-16	0.264977	hyper	sig	chr2_208406901
chr17	48579181	48579181	+	4.966E-18	1.0355E-16	-0.24276	hypo	sig	chr17_48579181
chr16	49587262	49587262	+	4.97E-18	1.03635E-16	-0.2136	hypo	sig	chr16_49587262
chr5	539399	539399	+	4.97E-18	1.03635E-16	-0.20756	hypo	sig	chr5_539399
chr14	1.04E+08	104223958	+	4.971E-18	1.03643E-16	0.243931	hyper	sig	chr14_104223958
chr2	2.13E+08	212537059	+	4.972E-18	1.03668E-16	0.235351	hyper	sig	chr2_212537059
chr15	74370301	74370301	+	4.974E-18	1.03694E-16	-0.28368	hypo	sig	chr15_74370301
chr16	1104951	1104951	+	5.006E-18	1.04361E-16	-0.21389	hypo	sig	chr16_1104951
chr12	43552190	43552190	+	5.012E-18	1.04485E-16	0.259478	hyper	sig	chr12_43552190
chr20	20365499	20365499	+	5.019E-18	1.04618E-16	0.297359	hyper	sig	chr20_20365499
chr2	1.72E+08	172080994	+	5.022E-18	1.04676E-16	0.295414	hyper	sig	chr2_172080994
chr6	1.7E+08	169638637	+	5.03E-18	1.04835E-16	-0.21961	hypo	sig	chr6_169638637
chr11	31799162	31799162	+	5.044E-18	1.05116E-16	0.22329	hyper	sig	chr11_31799162

chr5	1395115	1395115	+	5.047E-18	1.05174E-16	-0.20805	hypo	sig	chr5_1395115
chr13	50843804	50843804	+	5.066E-18	1.0556E-16	0.211404	hyper	sig	chr13_50843804
chr16	29231297	29231297	+	5.066E-18	1.0557E-16	0.213599	hyper	sig	chr16_29231297
chr14	23419283	23419283	+	5.081E-18	1.05874E-16	-0.23153	hypo	sig	chr14_23419283
chr5	88678175	88678175	+	5.087E-18	1.05977E-16	0.223073	hyper	sig	chr5_88678175
chr3	1.38E+08	137771606	+	5.099E-18	1.06235E-16	0.207403	hyper	sig	chr3_137771606
chr1	53460300	53460300	+	5.115E-18	1.06557E-16	-0.23113	hypo	sig	chr1_53460300
chr8	52939755	52939755	+	5.12E-18	1.06664E-16	0.300829	hyper	sig	chr8_52939755
chr2	44944237	44944237	+	5.138E-18	1.07025E-16	0.338164	hyper	sig	chr2_44944237
chr2	98347723	98347723	+	5.144E-18	1.07146E-16	0.283878	hyper	sig	chr2_98347723
chr12	1.04E+08	104457578	+	5.144E-18	1.07147E-16	0.311036	hyper	sig	chr12_104457578
chr5	51382642	51382642	+	5.148E-18	1.07204E-16	0.202005	hyper	sig	chr5_51382642
chr20	2535946	2535946	+	5.154E-18	1.07324E-16	-0.23747	hypo	sig	chr20_2535946
chr14	56799115	56799115	+	5.164E-18	1.07527E-16	0.284507	hyper	sig	chr14_56799115
chr17	79752403	79752403	+	5.168E-18	1.07603E-16	-0.30426	hypo	sig	chr17_79752403
chr1	1.47E+08	147073175	+	5.173E-18	1.07698E-16	0.21645	hyper	sig	chr1_147073175
chr8	1.43E+08	142777059	+	5.173E-18	1.07701E-16	0.202508	hyper	sig	chr8_142777059
chr16	54940062	54940062	+	5.186E-18	1.07966E-16	0.205294	hyper	sig	chr16_54940062
chr8	64370793	64370793	+	5.19E-18	1.08045E-16	0.255015	hyper	sig	chr8_64370793
chr2	73291651	73291651	+	5.197E-18	1.08184E-16	0.225833	hyper	sig	chr2_73291651
chr8	1.41E+08	141395127	+	5.198E-18	1.08206E-16	-0.21596	hypo	sig	chr8_141395127
chr7	2644828	2644828	+	5.203E-18	1.08313E-16	-0.25326	hypo	sig	chr7_2644828
chr20	21020487	21020487	+	5.214E-18	1.08538E-16	0.231387	hyper	sig	chr20_21020487
chr6	3752532	3752532	+	5.216E-18	1.0858E-16	0.234805	hyper	sig	chr6_3752532
chr16	89972183	89972183	+	5.219E-18	1.08631E-16	0.241822	hyper	sig	chr16_89972183
chr11	1.12E+08	111912877	+	5.225E-18	1.08754E-16	0.22425	hyper	sig	chr11_111912877
chr1	43565618	43565618	+	5.228E-18	1.08817E-16	0.260815	hyper	sig	chr1_43565618
chr1	2.08E+08	207669720	+	5.241E-18	1.09072E-16	0.221366	hyper	sig	chr1_207669720
chr4	3767898	3767898	+	5.245E-18	1.09157E-16	0.206858	hyper	sig	chr4_3767898
chr7	1.55E+08	155373202	+	5.251E-18	1.09277E-16	0.226616	hyper	sig	chr7_155373202
chr16	87518052	87518052	+	5.252E-18	1.09295E-16	-0.26962	hypo	sig	chr16_87518052
chr6	84769091	84769091	+	5.255E-18	1.09343E-16	0.213845	hyper	sig	chr6_84769091
chr10	1.33E+08	132790218	+	5.262E-18	1.09473E-16	-0.22703	hypo	sig	chr10_132790218
chr5	1.41E+08	141094541	+	5.264E-18	1.09516E-16	0.220216	hyper	sig	chr5_141094541
chr10	31633135	31633135	+	5.278E-18	1.09811E-16	-0.24822	hypo	sig	chr10_31633135
chr2	73291680	73291680	+	5.281E-18	1.09851E-16	0.231329	hyper	sig	chr2_73291680
chr4	1.86E+08	185502482	+	5.281E-18	1.09866E-16	0.216425	hyper	sig	chr4_185502482
chr7	1233748	1233748	+	5.283E-18	1.09891E-16	0.220777	hyper	sig	chr7_1233748
chr17	81647968	81647968	+	5.286E-18	1.09949E-16	0.311709	hyper	sig	chr17_81647968
chr4	1.11E+08	110612643	+	5.323E-18	1.10708E-16	0.261909	hyper	sig	chr4_110612643
chr19	57888864	57888864	+	5.324E-18	1.10726E-16	0.218349	hyper	sig	chr19_57888864
chr16	3267428	3267428	+	5.33E-18	1.10841E-16	-0.21967	hypo	sig	chr16_3267428
chr18	45775716	45775716	+	5.331E-18	1.10858E-16	0.234431	hyper	sig	chr18_45775716
chr3	1.98E+08	198081773	+	5.336E-18	1.10978E-16	0.213452	hyper	sig	chr3_198081773
chr6	1.61E+08	160679568	+	5.342E-18	1.11082E-16	0.253377	hyper	sig	chr6_160679568
chr6	32068663	32068663	+	5.346E-18	1.11171E-16	-0.2001	hypo	sig	chr6_32068663
chr11	1.16E+08	115659789	+	5.348E-18	1.11199E-16	0.206536	hyper	sig	chr11_115659789
chr2	1.54E+08	153871405	+	5.372E-18	1.1169E-16	0.286204	hyper	sig	chr2_153871405
chr2	96550121	96550121	+	5.393E-18	1.12104E-16	-0.21459	hypo	sig	chr2_96550121
chr8	96145577	96145577	+	5.394E-18	1.12128E-16	0.274839	hyper	sig	chr8_96145577
chr19	57708981	57708981	+	5.395E-18	1.1214E-16	0.26046	hyper	sig	chr19_57708981
chr19	13013843	13013843	+	5.402E-18	1.12284E-16	0.232673	hyper	sig	chr19_13013843
chr7	1.51E+08	151380181	+	5.404E-18	1.12322E-16	-0.25759	hypo	sig	chr7_151380181
chr10	80343395	80343395	+	5.409E-18	1.12419E-16	-0.23692	hypo	sig	chr10_80343395
chr20	57394226	57394226	+	5.41E-18	1.12442E-16	0.239308	hyper	sig	chr20_57394226
chr6	52404153	52404153	+	5.414E-18	1.12522E-16	-0.24969	hypo	sig	chr6_52404153

chr8	1.17E+08	116530423	+	5.422E-18	1.1268E-16	-0.27281	hypo	sig	chr8_116530423
chr4	386529	386529	+	5.429E-18	1.12817E-16	0.231192	hyper	sig	chr4_386529
chr8	71557778	71557778	+	5.43E-18	1.12831E-16	0.255241	hyper	sig	chr8_71557778
chr13	26759762	26759762	+	5.438E-18	1.12986E-16	0.241362	hyper	sig	chr13_26759762
chr11	15938056	15938056	+	5.445E-18	1.13137E-16	-0.21923	hypo	sig	chr11_15938056
chr12	85278803	85278803	+	5.446E-18	1.1314E-16	0.201557	hyper	sig	chr12_85278803
chr16	3950616	3950616	+	5.461E-18	1.13452E-16	-0.21834	hypo	sig	chr16_3950616
chr5	1.81E+08	180673701	+	5.481E-18	1.13848E-16	0.327572	hyper	sig	chr5_180673701
chr19	57583737	57583737	+	5.489E-18	1.14018E-16	0.259493	hyper	sig	chr19_57583737
chr7	1364172	1364172	+	5.493E-18	1.14081E-16	-0.21771	hypo	sig	chr7_1364172
chr3	55474522	55474522	+	5.513E-18	1.14491E-16	0.201548	hyper	sig	chr3_55474522
chr7	49775098	49775098	+	5.531E-18	1.14855E-16	0.21142	hyper	sig	chr7_49775098
chr19	34905304	34905304	+	5.543E-18	1.15102E-16	0.30615	hyper	sig	chr19_34905304
chr5	42995501	42995501	+	5.547E-18	1.1517E-16	0.235208	hyper	sig	chr5_42995501
chr7	79454648	79454648	+	5.555E-18	1.15331E-16	0.269755	hyper	sig	chr7_79454648
chr10	1.33E+08	133164611	+	5.558E-18	1.15385E-16	-0.25277	hypo	sig	chr10_133164611
chr4	1.21E+08	121380903	+	5.561E-18	1.15451E-16	0.284525	hyper	sig	chr4_121380903
chr6	10385258	10385258	+	5.569E-18	1.15616E-16	0.251568	hyper	sig	chr6_10385258
chr14	1.05E+08	104586223	+	5.571E-18	1.15657E-16	-0.20204	hypo	sig	chr14_104586223
chr11	94740963	94740963	+	5.578E-18	1.15786E-16	0.214998	hyper	sig	chr11_94740963
chr15	69035854	69035854	+	5.579E-18	1.15801E-16	-0.24571	hypo	sig	chr15_69035854
chr11	65868496	65868496	+	5.586E-18	1.1595E-16	-0.23754	hypo	sig	chr11_65868496
chr8	1.43E+08	142510414	+	5.606E-18	1.1634E-16	0.203827	hyper	sig	chr8_142510414
chr16	49277654	49277654	+	5.61E-18	1.1642E-16	0.230845	hyper	sig	chr16_49277654
chr5	1.81E+08	180608756	+	5.611E-18	1.16437E-16	-0.21071	hypo	sig	chr5_180608756
chr2	19357471	19357471	+	5.625E-18	1.16727E-16	0.266834	hyper	sig	chr2_19357471
chr6	1.7E+08	170257374	+	5.629E-18	1.16798E-16	-0.21659	hypo	sig	chr6_170257374
chr11	1040394	1040394	+	5.637E-18	1.1697E-16	-0.31646	hypo	sig	chr11_1040394
chr7	97731929	97731929	+	5.639E-18	1.17001E-16	0.230901	hyper	sig	chr7_97731929
chr1	1.8E+08	179586896	+	5.64E-18	1.1701E-16	-0.23667	hypo	sig	chr1_179586896
chr10	23173380	23173380	+	5.668E-18	1.17587E-16	0.282637	hyper	sig	chr10_23173380
chr14	26204958	26204958	+	5.679E-18	1.17812E-16	0.231303	hyper	sig	chr14_26204958
chr11	2328633	2328633	+	5.68E-18	1.17814E-16	-0.31209	hypo	sig	chr11_2328633
chr6	28988607	28988607	+	5.68E-18	1.17823E-16	0.209161	hyper	sig	chr6_28988607
chr9	1.27E+08	127223584	+	5.681E-18	1.17826E-16	-0.28826	hypo	sig	chr9_127223584
chr6	29797547	29797547	+	5.686E-18	1.1794E-16	-0.2559	hypo	sig	chr6_29797547
chr7	1.53E+08	152828135	+	5.694E-18	1.18092E-16	-0.2331	hypo	sig	chr7_152828135
chr1	12129773	12129773	+	5.699E-18	1.18191E-16	-0.20023	hypo	sig	chr1_12129773
chr6	77466795	77466795	+	5.718E-18	1.18586E-16	0.237355	hyper	sig	chr6_77466795
chr12	1.03E+08	102824862	+	5.72E-18	1.18611E-16	0.266241	hyper	sig	chr12_102824862
chr3	75641263	75641263	+	5.725E-18	1.18712E-16	0.250661	hyper	sig	chr3_75641263
chr11	8169094	8169094	+	5.73E-18	1.18825E-16	0.21041	hyper	sig	chr11_8169094
chr10	43667343	43667343	+	5.742E-18	1.19053E-16	0.221995	hyper	sig	chr10_43667343
chr7	73978453	73978453	+	5.765E-18	1.19526E-16	-0.23535	hypo	sig	chr7_73978453
chr7	1.07E+08	107041221	+	5.774E-18	1.1969E-16	-0.25033	hypo	sig	chr7_107041221
chr14	28778315	28778315	+	5.778E-18	1.19779E-16	0.215074	hyper	sig	chr14_28778315
chr7	1.43E+08	142864283	+	5.791E-18	1.20029E-16	-0.29691	hypo	sig	chr7_142864283
chr13	52847578	52847578	+	5.843E-18	1.21074E-16	0.30875	hyper	sig	chr13_52847578
chr5	1.33E+08	132819735	+	5.843E-18	1.21074E-16	-0.26552	hypo	sig	chr5_132819735
chr19	58054497	58054497	+	5.851E-18	1.21241E-16	-0.25302	hypo	sig	chr19_58054497
chr4	1.82E+08	182140697	+	5.865E-18	1.215E-16	0.207377	hyper	sig	chr4_182140697
chr6	1.37E+08	137497234	+	5.883E-18	1.21868E-16	0.23109	hyper	sig	chr6_137497234
chr8	1.06E+08	106271931	+	5.887E-18	1.21953E-16	0.217402	hyper	sig	chr8_106271931
chr7	1.5E+08	150047423	+	5.897E-18	1.22136E-16	0.245081	hyper	sig	chr7_150047423
chr7	35186629	35186629	+	5.899E-18	1.22178E-16	0.235177	hyper	sig	chr7_35186629
chr3	1.34E+08	133674833	+	5.907E-18	1.22348E-16	0.252726	hyper	sig	chr3_133674833

chr13	26010130	26010130	+	5.908E-18	1.22374E-16	-0.23666	hypo	sig	chr13_26010130
chr5	1.29E+08	128537825	+	5.91E-18	1.22396E-16	0.241084	hyper	sig	chr5_128537825
chr14	96595012	96595012	+	5.911E-18	1.2242E-16	-0.22924	hypo	sig	chr14_96595012
chr3	10142875	10142875	+	5.912E-18	1.22443E-16	-0.24406	hypo	sig	chr3_10142875
chr8	12011240	12011240	+	5.915E-18	1.22494E-16	-0.32162	hypo	sig	chr8_12011240
chr6	1.09E+08	109294354	+	5.93E-18	1.22803E-16	-0.23122	hypo	sig	chr6_109294354
chr5	45695417	45695417	+	5.934E-18	1.22865E-16	0.203039	hyper	sig	chr5_45695417
chr3	1.25E+08	125141888	+	5.94E-18	1.22992E-16	0.33158	hyper	sig	chr3_125141888
chr8	1.42E+08	142119843	+	5.941E-18	1.23015E-16	-0.21498	hypo	sig	chr8_142119843
chr2	5696237	5696237	+	5.947E-18	1.23133E-16	0.311362	hyper	sig	chr2_5696237
chr12	2640943	2640943	+	5.949E-18	1.23164E-16	-0.20201	hypo	sig	chr12_2640943
chr17	39747203	39747203	+	5.956E-18	1.23316E-16	0.234176	hyper	sig	chr17_39747203
chr19	48966680	48966680	+	5.958E-18	1.23351E-16	-0.23427	hypo	sig	chr19_48966680
chr3	1.38E+08	137763397	+	5.976E-18	1.23704E-16	0.255087	hyper	sig	chr3_137763397
chr11	1.34E+08	133599298	+	5.984E-18	1.23859E-16	-0.23999	hypo	sig	chr11_133599298
chr16	58511604	58511604	+	5.99E-18	1.23986E-16	-0.24491	hypo	sig	chr16_58511604
chr11	44316036	44316036	+	5.998E-18	1.24141E-16	0.217843	hyper	sig	chr11_44316036
chr19	4906998	4906998	+	6.001E-18	1.24203E-16	-0.226	hypo	sig	chr19_4906998
chr13	78597389	78597389	+	6.013E-18	1.24444E-16	0.293884	hyper	sig	chr13_78597389
chr1	42153449	42153449	+	6.017E-18	1.24525E-16	-0.21106	hypo	sig	chr1_42153449
chr11	40293735	40293735	+	6.018E-18	1.24528E-16	0.20739	hyper	sig	chr11_40293735
chr15	77902146	77902146	+	6.019E-18	1.24548E-16	-0.20573	hypo	sig	chr15_77902146
chr19	57099554	57099554	+	6.029E-18	1.24742E-16	0.291954	hyper	sig	chr19_57099554
chr19	58356282	58356282	+	6.034E-18	1.24851E-16	0.231099	hyper	sig	chr19_58356282
chr18	7116714	7116714	+	6.039E-18	1.2494E-16	0.278442	hyper	sig	chr18_7116714
chr12	75209301	75209301	+	6.058E-18	1.2532E-16	0.239255	hyper	sig	chr12_75209301
chr15	78871758	78871758	+	6.06E-18	1.25362E-16	-0.20967	hypo	sig	chr15_78871758
chr20	61813659	61813659	+	6.065E-18	1.25456E-16	-0.20457	hypo	sig	chr20_61813659
chr14	66012863	66012863	+	6.074E-18	1.25636E-16	-0.34819	hypo	sig	chr14_66012863
chr19	1203150	1203150	+	6.074E-18	1.25641E-16	-0.26134	hypo	sig	chr19_1203150
chr18	28176369	28176369	+	6.078E-18	1.25722E-16	0.231545	hyper	sig	chr18_28176369
chr16	55656705	55656705	+	6.094E-18	1.26036E-16	0.22893	hyper	sig	chr16_55656705
chr17	1203858	1203858	+	6.1E-18	1.26154E-16	0.276774	hyper	sig	chr17_1203858
chr4	3683002	3683002	+	6.1E-18	1.26159E-16	-0.21988	hypo	sig	chr4_3683002
chr15	52788756	52788756	+	6.11E-18	1.2637E-16	0.260949	hyper	sig	chr15_52788756
chr11	16611072	16611072	+	6.115E-18	1.26449E-16	0.202596	hyper	sig	chr11_16611072
chr8	1.38E+08	138496570	+	6.115E-18	1.26449E-16	0.212208	hyper	sig	chr8_138496570
chr4	1.9E+08	190019364	+	6.13E-18	1.26746E-16	0.228532	hyper	sig	chr4_190019364
chr10	1182419	1182419	+	6.132E-18	1.26784E-16	-0.2554	hypo	sig	chr10_1182419
chr12	1.11E+08	110744027	+	6.15E-18	1.27147E-16	-0.29757	hypo	sig	chr12_110744027
chr18	76350852	76350852	+	6.151E-18	1.2717E-16	-0.21217	hypo	sig	chr18_76350852
chr12	52777081	52777081	+	6.162E-18	1.27385E-16	-0.22652	hypo	sig	chr12_52777081
chr2	1.06E+08	106056242	+	6.163E-18	1.27401E-16	-0.31855	hypo	sig	chr2_106056242
chr1	18109086	18109086	+	6.169E-18	1.2753E-16	0.222351	hyper	sig	chr1_18109086
chr4	54232216	54232216	+	6.17E-18	1.2754E-16	0.214204	hyper	sig	chr4_54232216
chr2	10014935	10014935	+	6.174E-18	1.27622E-16	-0.29248	hypo	sig	chr2_10014935
chr17	28717597	28717597	+	6.184E-18	1.2781E-16	0.222199	hyper	sig	chr17_28717597
chr11	15938040	15938040	+	6.193E-18	1.27992E-16	-0.22589	hypo	sig	chr11_15938040
chr4	1.72E+08	171812880	+	6.193E-18	1.27992E-16	0.221732	hyper	sig	chr4_171812880
chr2	1.75E+08	174730513	+	6.217E-18	1.2848E-16	0.315741	hyper	sig	chr2_174730513
chr10	1.32E+08	132373509	+	6.233E-18	1.28793E-16	-0.29896	hypo	sig	chr10_132373509
chr10	26217553	26217553	+	6.287E-18	1.29889E-16	0.271998	hyper	sig	chr10_26217553
chr1	1.57E+08	156860492	+	6.291E-18	1.29972E-16	0.225006	hyper	sig	chr1_156860492
chr3	1.47E+08	147412609	+	6.304E-18	1.30235E-16	0.291693	hyper	sig	chr3_147412609
chr19	1520541	1520541	+	6.317E-18	1.30499E-16	-0.22298	hypo	sig	chr19_1520541
chr15	92158655	92158655	+	6.32E-18	1.30556E-16	-0.24279	hypo	sig	chr15_92158655

chr5	1.41E+08	141352365	+	6.326E-18	1.30668E-16	0.218715	hyper	sig	chr5_141352365
chr19	9498507	9498507	+	6.337E-18	1.30892E-16	0.290938	hyper	sig	chr19_9498507
chr2	80302530	80302530	+	6.343E-18	1.31012E-16	0.234087	hyper	sig	chr2_80302530
chr3	1.27E+08	126704956	+	6.352E-18	1.31178E-16	0.2321	hyper	sig	chr3_126704956
chr19	8052787	8052787	+	6.356E-18	1.31271E-16	-0.25439	hypo	sig	chr19_8052787
chr7	1.54E+08	153745294	+	6.357E-18	1.3128E-16	-0.22732	hypo	sig	chr7_153745294
chr7	1.49E+08	149415339	+	6.358E-18	1.31308E-16	0.251269	hyper	sig	chr7_149415339
chr14	99659557	99659557	+	6.362E-18	1.31374E-16	0.249968	hyper	sig	chr14_99659557
chr5	1.81E+08	180625364	+	6.365E-18	1.31441E-16	-0.29796	hypo	sig	chr5_180625364
chr9	89364796	89364796	+	6.367E-18	1.31472E-16	-0.26554	hypo	sig	chr9_89364796
chr17	49497943	49497943	+	6.373E-18	1.31596E-16	0.312858	hyper	sig	chr17_49497943
chr1	65526101	65526101	+	6.378E-18	1.31692E-16	0.246485	hyper	sig	chr1_65526101
chr11	1.2E+08	120168624	+	6.379E-18	1.31703E-16	-0.22441	hypo	sig	chr11_120168624
chr1	44118852	44118852	+	6.382E-18	1.31759E-16	-0.25224	hypo	sig	chr1_44118852
chr13	1.14E+08	114097463	+	6.383E-18	1.31781E-16	-0.21341	hypo	sig	chr13_114097463
chr17	83084938	83084938	+	6.401E-18	1.32147E-16	-0.23288	hypo	sig	chr17_83084938
chr6	27505844	27505844	+	6.41E-18	1.32322E-16	0.233607	hyper	sig	chr6_27505844
chr6	1.67E+08	166704410	+	6.411E-18	1.3234E-16	-0.2146	hypo	sig	chr6_166704410
chr18	55779612	55779612	+	6.421E-18	1.32534E-16	0.313911	hyper	sig	chr18_55779612
chr10	99329054	99329054	+	6.428E-18	1.32683E-16	0.204963	hyper	sig	chr10_99329054
chr1	1204175	1204175	+	6.433E-18	1.32784E-16	-0.25607	hypo	sig	chr1_1204175
chr17	79379414	79379414	+	6.434E-18	1.32795E-16	-0.20916	hypo	sig	chr17_79379414
chr3	309077	309077	+	6.443E-18	1.32972E-16	0.211972	hyper	sig	chr3_309077
chr1	2.1E+08	209938692	+	6.446E-18	1.33033E-16	0.309245	hyper	sig	chr1_209938692
chr7	2567162	2567162	+	6.449E-18	1.33089E-16	0.215112	hyper	sig	chr7_2567162
chr3	1.41E+08	141052230	+	6.453E-18	1.33165E-16	0.257595	hyper	sig	chr3_141052230
chr20	21020491	21020491	+	6.454E-18	1.33198E-16	0.22913	hyper	sig	chr20_21020491
chr19	1762387	1762387	+	6.455E-18	1.33213E-16	0.207223	hyper	sig	chr19_1762387
chr7	1854071	1854071	+	6.465E-18	1.33407E-16	-0.20958	hypo	sig	chr7_1854071
chr2	97098256	97098256	+	6.465E-18	1.33417E-16	-0.25354	hypo	sig	chr2_97098256
chr6	1.24E+08	123801476	+	6.466E-18	1.33422E-16	-0.2574	hypo	sig	chr6_123801476
chr7	4111126	4111126	+	6.483E-18	1.33765E-16	-0.25818	hypo	sig	chr7_4111126
chr4	20253086	20253086	+	6.491E-18	1.33937E-16	0.249759	hyper	sig	chr4_20253086
chr1	2.1E+08	210328290	+	6.498E-18	1.3406E-16	0.221357	hyper	sig	chr1_210328290
chr16	30023105	30023105	+	6.505E-18	1.34215E-16	-0.24614	hypo	sig	chr16_30023105
chr7	27225935	27225935	+	6.516E-18	1.34428E-16	-0.22632	hypo	sig	chr7_27225935
chr12	85279443	85279443	+	6.516E-18	1.3443E-16	0.265958	hyper	sig	chr12_85279443
chr6	27275227	27275227	+	6.524E-18	1.34584E-16	0.22096	hyper	sig	chr6_27275227
chr1	44261658	44261658	+	6.527E-18	1.34647E-16	-0.26635	hypo	sig	chr1_44261658
chr4	1407683	1407683	+	6.531E-18	1.34715E-16	0.286804	hyper	sig	chr4_1407683
chr11	46597797	46597797	+	6.54E-18	1.34909E-16	-0.28104	hypo	sig	chr11_46597797
chr11	1.33E+08	133082040	+	6.562E-18	1.3535E-16	0.216223	hyper	sig	chr11_133082040
chr10	1.01E+08	101284524	+	6.574E-18	1.35585E-16	0.218668	hyper	sig	chr10_101284524
chr1	1.11E+08	110559475	+	6.575E-18	1.35591E-16	-0.25037	hypo	sig	chr1_110559475
chr7	1.04E+08	103988987	+	6.589E-18	1.35884E-16	0.252597	hyper	sig	chr7_103988987
chr2	98346578	98346578	+	6.591E-18	1.35907E-16	0.236735	hyper	sig	chr2_98346578
chr12	45051085	45051085	+	6.594E-18	1.35957E-16	0.203222	hyper	sig	chr12_45051085
chr5	77643776	77643776	+	6.606E-18	1.36215E-16	0.209719	hyper	sig	chr5_77643776
chr2	10316161	10316161	+	6.608E-18	1.36249E-16	-0.2088	hypo	sig	chr2_10316161
chr2	38074613	38074613	+	6.609E-18	1.36253E-16	0.270091	hyper	sig	chr2_38074613
chr1	1069882	1069882	+	6.615E-18	1.36382E-16	-0.26113	hypo	sig	chr1_1069882
chr17	74856406	74856406	+	6.623E-18	1.36531E-16	-0.21524	hypo	sig	chr17_74856406
chr1	2025881	2025881	+	6.631E-18	1.36683E-16	0.238259	hyper	sig	chr1_2025881
chr3	42265105	42265105	+	6.634E-18	1.36741E-16	0.316516	hyper	sig	chr3_42265105
chr5	42994000	42994000	+	6.656E-18	1.37201E-16	0.234797	hyper	sig	chr5_42994000
chr19	851671	851671	+	6.665E-18	1.3738E-16	-0.20737	hypo	sig	chr19_851671

chr2	20671327	20671327	+	6.674E-18	1.37544E-16	0.263864	hyper	sig	chr2_20671327
chr4	5051134	5051134	+	6.677E-18	1.37606E-16	0.253711	hyper	sig	chr4_5051134
chr20	5315727	5315727	+	6.71E-18	1.38261E-16	0.223801	hyper	sig	chr20_5315727
chr7	1.51E+08	151014017	+	6.711E-18	1.38276E-16	0.21873	hyper	sig	chr7_151014017
chr4	55157876	55157876	+	6.724E-18	1.38543E-16	0.288771	hyper	sig	chr4_55157876
chr2	2.37E+08	237346477	+	6.734E-18	1.38742E-16	-0.26259	hypo	sig	chr2_237346477
chr20	45098716	45098716	+	6.735E-18	1.38772E-16	0.27531	hyper	sig	chr20_45098716
chr2	48568818	48568818	+	6.74E-18	1.38849E-16	-0.2805	hypo	sig	chr2_48568818
chr3	44021797	44021797	+	6.74E-18	1.38849E-16	0.217855	hyper	sig	chr3_44021797
chr7	1211504	1211504	+	6.756E-18	1.39192E-16	-0.22907	hypo	sig	chr7_1211504
chr7	64045909	64045909	+	6.757E-18	1.39205E-16	0.227273	hyper	sig	chr7_64045909
chr8	64587539	64587539	+	6.787E-18	1.39808E-16	0.221459	hyper	sig	chr8_64587539
chr4	80185742	80185742	+	6.788E-18	1.39823E-16	0.222188	hyper	sig	chr4_80185742
chr7	1.54E+08	153887333	+	6.802E-18	1.40104E-16	0.296294	hyper	sig	chr7_153887333
chr19	58043098	58043098	+	6.805E-18	1.40159E-16	0.226234	hyper	sig	chr19_58043098
chr11	1.3E+08	130428919	+	6.814E-18	1.40347E-16	0.222269	hyper	sig	chr11_130428919
chr1	38044550	38044550	+	6.815E-18	1.40352E-16	0.206658	hyper	sig	chr1_38044550
chr12	1.29E+08	129337703	+	6.826E-18	1.4058E-16	-0.26025	hypo	sig	chr12_129337703
chr6	32098113	32098113	+	6.835E-18	1.40751E-16	-0.33859	hypo	sig	chr6_32098113
chr10	1507752	1507752	+	6.842E-18	1.40894E-16	-0.21116	hypo	sig	chr10_1507752
chr6	27545275	27545275	+	6.855E-18	1.41159E-16	0.214419	hyper	sig	chr6_27545275
chr12	1.27E+08	127143185	+	6.874E-18	1.41549E-16	-0.25775	hypo	sig	chr12_127143185
chr2	88451865	88451865	+	6.876E-18	1.4158E-16	0.216529	hyper	sig	chr2_88451865
chr6	10883861	10883861	+	6.881E-18	1.41684E-16	0.287097	hyper	sig	chr6_10883861
chr8	71557771	71557771	+	6.882E-18	1.41699E-16	0.26553	hyper	sig	chr8_71557771
chr19	51601374	51601374	+	6.887E-18	1.41796E-16	0.26305	hyper	sig	chr19_51601374
chr22	45310732	45310732	+	6.891E-18	1.41868E-16	0.210028	hyper	sig	chr22_45310732
chr12	62191450	62191450	+	6.892E-18	1.41896E-16	0.265982	hyper	sig	chr12_62191450
chr19	57527825	57527825	+	6.895E-18	1.41946E-16	0.290247	hyper	sig	chr19_57527825
chr10	75408802	75408802	+	6.902E-18	1.42102E-16	0.207614	hyper	sig	chr10_75408802
chr12	1795330	1795330	+	6.903E-18	1.42106E-16	-0.25905	hypo	sig	chr12_1795330
chr16	1545568	1545568	+	6.911E-18	1.42263E-16	-0.29902	hypo	sig	chr16_1545568
chr17	81941665	81941665	+	6.916E-18	1.42362E-16	-0.21254	hypo	sig	chr17_81941665
chr8	2034924	2034924	+	6.938E-18	1.42807E-16	-0.21949	hypo	sig	chr8_2034924
chr16	88416346	88416346	+	6.945E-18	1.42945E-16	-0.22592	hypo	sig	chr16_88416346
chr10	21175271	21175271	+	6.961E-18	1.43256E-16	-0.22569	hypo	sig	chr10_21175271
chr21	44851537	44851537	+	6.961E-18	1.43259E-16	-0.20494	hypo	sig	chr21_44851537
chr2	98937336	98937336	+	6.968E-18	1.43393E-16	0.294452	hyper	sig	chr2_98937336
chr10	1.31E+08	131078755	+	6.987E-18	1.43775E-16	-0.21402	hypo	sig	chr10_131078755
chr2	29116210	29116210	+	6.99E-18	1.43837E-16	0.24132	hyper	sig	chr2_29116210
chr2	910917	910917	+	6.998E-18	1.43994E-16	-0.22841	hypo	sig	chr2_910917
chr10	69571742	69571742	+	7.009E-18	1.44208E-16	0.331006	hyper	sig	chr10_69571742
chr7	4127852	4127852	+	7.013E-18	1.44285E-16	-0.21563	hypo	sig	chr7_4127852
chr10	1.31E+08	130744563	+	7.017E-18	1.44371E-16	-0.25467	hypo	sig	chr10_130744563
chr7	97021944	97021944	+	7.023E-18	1.44487E-16	0.292655	hyper	sig	chr7_97021944
chr17	81841535	81841535	+	7.038E-18	1.44783E-16	-0.22996	hypo	sig	chr17_81841535
chr3	1.96E+08	196142820	+	7.048E-18	1.44974E-16	-0.31909	hypo	sig	chr3_196142820
chr12	1.32E+08	131686976	+	7.051E-18	1.45043E-16	-0.24521	hypo	sig	chr12_131686976
chr10	1.32E+08	132236440	+	7.074E-18	1.45498E-16	-0.24428	hypo	sig	chr10_132236440
chr1	1.72E+08	171841137	+	7.081E-18	1.45642E-16	0.241011	hyper	sig	chr1_171841137
chr12	1.14E+08	114395986	+	7.088E-18	1.4577E-16	0.230318	hyper	sig	chr12_114395986
chr7	1854074	1854074	+	7.092E-18	1.45845E-16	-0.2172	hypo	sig	chr7_1854074
chr11	20596391	20596391	+	7.099E-18	1.45981E-16	0.269142	hyper	sig	chr11_20596391
chr6	32090069	32090069	+	7.1E-18	1.45999E-16	-0.21454	hypo	sig	chr6_32090069
chr16	87604936	87604936	+	7.102E-18	1.46039E-16	-0.22594	hypo	sig	chr16_87604936
chr16	54932753	54932753	+	7.115E-18	1.46292E-16	0.256365	hyper	sig	chr16_54932753

chr1	1.47E+08	147080845	+	7.121E-18	1.46414E-16	0.219346	hyper	sig	chr1_147080845
chr14	28765688	28765688	+	7.122E-18	1.46428E-16	0.206291	hyper	sig	chr14_28765688
chr14	1.02E+08	101933238	+	7.127E-18	1.46525E-16	-0.215	hypo	sig	chr14_101933238
chr11	1.23E+08	122976534	+	7.132E-18	1.46638E-16	0.300826	hyper	sig	chr11_122976534
chr3	42877054	42877054	+	7.141E-18	1.46814E-16	-0.2613	hypo	sig	chr3_42877054
chr5	1.16E+08	115962347	+	7.141E-18	1.46814E-16	0.319561	hyper	sig	chr5_115962347
chr4	1.44E+08	143912070	+	7.162E-18	1.47235E-16	0.254654	hyper	sig	chr4_143912070
chr19	21851593	21851593	+	7.181E-18	1.47613E-16	0.248672	hyper	sig	chr19_21851593
chr19	57317727	57317727	+	7.186E-18	1.47707E-16	0.277428	hyper	sig	chr19_57317727
chr12	57175515	57175515	+	7.198E-18	1.47947E-16	-0.22733	hypo	sig	chr12_57175515
chr5	1.35E+08	135029278	+	7.198E-18	1.47952E-16	0.217565	hyper	sig	chr5_135029278
chr5	2010119	2010119	+	7.202E-18	1.48026E-16	-0.21778	hypo	sig	chr5_2010119
chr4	3645320	3645320	+	7.207E-18	1.48116E-16	-0.20303	hypo	sig	chr4_3645320
chr12	49961490	49961490	+	7.209E-18	1.4815E-16	0.229706	hyper	sig	chr12_49961490
chr4	54231888	54231888	+	7.218E-18	1.48337E-16	0.20352	hyper	sig	chr4_54231888
chr17	79134276	79134276	+	7.229E-18	1.48561E-16	-0.25538	hypo	sig	chr17_79134276
chr22	42129198	42129198	+	7.233E-18	1.48628E-16	-0.23039	hypo	sig	chr22_42129198
chr7	1.01E+08	100602359	+	7.237E-18	1.48706E-16	-0.22282	hypo	sig	chr7_100602359
chr19	52370280	52370280	+	7.242E-18	1.48802E-16	0.23305	hyper	sig	chr19_52370280
chr14	94774218	94774218	+	7.243E-18	1.48819E-16	0.23042	hyper	sig	chr14_94774218
chr22	29581739	29581739	+	7.247E-18	1.48911E-16	-0.21311	hypo	sig	chr22_29581739
chr6	28825887	28825887	+	7.254E-18	1.49031E-16	0.216282	hyper	sig	chr6_28825887
chr16	86507841	86507841	+	7.257E-18	1.49092E-16	0.236418	hyper	sig	chr16_86507841
chr5	1193912	1193912	+	7.263E-18	1.49214E-16	-0.24173	hypo	sig	chr5_1193912
chr17	79048371	79048371	+	7.284E-18	1.49634E-16	-0.32627	hypo	sig	chr17_79048371
chr8	1.06E+08	106271933	+	7.285E-18	1.4965E-16	0.214135	hyper	sig	chr8_106271933
chr1	18899813	18899813	+	7.286E-18	1.49667E-16	-0.22631	hypo	sig	chr1_18899813
chr8	84183799	84183799	+	7.295E-18	1.49834E-16	0.242905	hyper	sig	chr8_84183799
chr10	1.33E+08	133213450	+	7.3E-18	1.49938E-16	-0.21522	hypo	sig	chr10_133213450
chr9	1.02E+08	101737568	+	7.303E-18	1.49995E-16	0.209801	hyper	sig	chr9_101737568
chr1	23370804	23370804	+	7.308E-18	1.50094E-16	-0.22285	hypo	sig	chr1_23370804
chr7	2079514	2079514	+	7.313E-18	1.50191E-16	-0.24727	hypo	sig	chr7_2079514
chr2	74516408	74516408	+	7.333E-18	1.50583E-16	0.224991	hyper	sig	chr2_74516408
chr13	25096001	25096001	+	7.335E-18	1.50614E-16	0.24659	hyper	sig	chr13_25096001
chr17	815867	815867	+	7.335E-18	1.50626E-16	-0.24434	hypo	sig	chr17_815867
chr21	45017611	45017611	+	7.34E-18	1.50718E-16	-0.2325	hypo	sig	chr21_45017611
chr2	88765517	88765517	+	7.36E-18	1.51101E-16	0.255482	hyper	sig	chr2_88765517
chr19	34578786	34578786	+	7.417E-18	1.52227E-16	-0.20216	hypo	sig	chr19_34578786
chr11	73361963	73361963	+	7.427E-18	1.52428E-16	-0.20406	hypo	sig	chr11_73361963
chr5	77632930	77632930	+	7.43E-18	1.5248E-16	0.268506	hyper	sig	chr5_77632930
chr2	2.39E+08	239027753	+	7.434E-18	1.5257E-16	-0.20727	hypo	sig	chr2_239027753
chr19	57708787	57708787	+	7.435E-18	1.52589E-16	0.339197	hyper	sig	chr19_57708787
chr12	1.13E+08	113478629	+	7.462E-18	1.53137E-16	0.263727	hyper	sig	chr12_113478629
chr3	1.39E+08	138950531	+	7.467E-18	1.53239E-16	0.237184	hyper	sig	chr3_138950531
chr6	29627419	29627419	+	7.47E-18	1.53291E-16	0.249334	hyper	sig	chr6_29627419
chr2	1.58E+08	157597555	+	7.472E-18	1.53326E-16	0.236383	hyper	sig	chr2_157597555
chr9	92807338	92807338	+	7.474E-18	1.53375E-16	0.210376	hyper	sig	chr9_92807338
chr5	1.41E+08	141201196	+	7.476E-18	1.53409E-16	0.24803	hyper	sig	chr5_141201196
chr3	1.2E+08	119810256	+	7.479E-18	1.53455E-16	0.249553	hyper	sig	chr3_119810256
chr19	13014224	13014224	+	7.488E-18	1.53633E-16	0.264337	hyper	sig	chr19_13014224
chr7	1.29E+08	128841213	+	7.492E-18	1.53711E-16	-0.25431	hypo	sig	chr7_128841213
chr8	1029535	1029535	+	7.494E-18	1.53746E-16	-0.23619	hypo	sig	chr8_1029535
chr2	1.6E+08	160271213	+	7.497E-18	1.53799E-16	-0.22779	hypo	sig	chr2_160271213
chr6	32053577	32053577	+	7.502E-18	1.53902E-16	-0.2014	hypo	sig	chr6_32053577
chr12	86602086	86602086	+	7.506E-18	1.53965E-16	-0.24134	hypo	sig	chr12_86602086
chr16	1096429	1096429	+	7.509E-18	1.54028E-16	-0.24934	hypo	sig	chr16_1096429

chr5	1.33E+08	132819733	+	7.518E-18	1.5421E-16	-0.27275	hypo	sig	chr5_132819733
chr7	4792499	4792499	+	7.529E-18	1.54413E-16	0.206216	hyper	sig	chr7_4792499
chr5	1.41E+08	140795546	+	7.532E-18	1.54488E-16	0.247496	hyper	sig	chr5_140795546
chr2	2.18E+08	218382198	+	7.565E-18	1.55133E-16	-0.33837	hypo	sig	chr2_218382198
chr12	1.04E+08	104303842	+	7.575E-18	1.55335E-16	0.272645	hyper	sig	chr12_104303842
chr1	1.47E+08	147079030	+	7.58E-18	1.5543E-16	0.241706	hyper	sig	chr1_147079030
chr3	1.58E+08	158094193	+	7.585E-18	1.55536E-16	0.23907	hyper	sig	chr3_158094193
chr8	1.08E+08	108082338	+	7.586E-18	1.55554E-16	0.231416	hyper	sig	chr8_108082338
chr5	45695536	45695536	+	7.593E-18	1.55687E-16	0.237734	hyper	sig	chr5_45695536
chr9	98943602	98943602	+	7.599E-18	1.55809E-16	0.203845	hyper	sig	chr9_98943602
chr16	75206638	75206638	+	7.606E-18	1.55948E-16	-0.24123	hypo	sig	chr16_75206638
chr11	66049050	66049050	+	7.624E-18	1.56313E-16	0.259348	hyper	sig	chr11_66049050
chr6	1.1E+08	110357704	+	7.628E-18	1.56383E-16	0.234911	hyper	sig	chr6_110357704
chr3	1.47E+08	147380546	+	7.65E-18	1.56829E-16	0.234238	hyper	sig	chr3_147380546
chr6	1.68E+08	168444127	+	7.655E-18	1.56925E-16	0.223523	hyper	sig	chr6_168444127
chr8	98947202	98947202	+	7.669E-18	1.57198E-16	0.232383	hyper	sig	chr8_98947202
chr1	99849504	99849504	+	7.672E-18	1.57261E-16	-0.26917	hypo	sig	chr1_99849504
chr22	21018029	21018029	+	7.683E-18	1.57467E-16	-0.23751	hypo	sig	chr22_21018029
chr2	1.54E+08	153871970	+	7.687E-18	1.57546E-16	0.219269	hyper	sig	chr2_153871970
chr5	88685386	88685386	+	7.687E-18	1.57546E-16	0.200044	hyper	sig	chr5_88685386
chr4	41752108	41752108	+	7.703E-18	1.57874E-16	0.218711	hyper	sig	chr4_41752108
chr7	1.55E+08	154885290	+	7.705E-18	1.5791E-16	-0.21335	hypo	sig	chr7_154885290
chr11	69889967	69889967	+	7.712E-18	1.58034E-16	0.2706	hyper	sig	chr11_69889967
chr4	1.74E+08	173500319	+	7.712E-18	1.58038E-16	0.234952	hyper	sig	chr4_173500319
chr20	21102139	21102139	+	7.718E-18	1.58165E-16	0.21564	hyper	sig	chr20_21102139
chr9	1.37E+08	137143934	+	7.727E-18	1.58331E-16	-0.27169	hypo	sig	chr9_137143934
chr10	1.33E+08	132940815	+	7.744E-18	1.58677E-16	-0.20245	hypo	sig	chr10_132940815
chr3	1.28E+08	128486365	+	7.755E-18	1.5889E-16	0.25507	hyper	sig	chr3_128486365
chr7	1224421	1224421	+	7.768E-18	1.59153E-16	0.263267	hyper	sig	chr7_1224421
chr17	82715777	82715777	+	7.776E-18	1.59298E-16	-0.22321	hypo	sig	chr17_82715777
chr11	8085109	8085109	+	7.792E-18	1.59621E-16	-0.22709	hypo	sig	chr11_8085109
chr4	55157706	55157706	+	7.8E-18	1.59772E-16	0.283277	hyper	sig	chr4_55157706
chr2	2.32E+08	231680664	+	7.801E-18	1.59792E-16	-0.23665	hypo	sig	chr2_231680664
chr7	4725346	4725346	+	7.811E-18	1.59976E-16	0.217133	hyper	sig	chr7_4725346
chr6	31589127	31589127	+	7.812E-18	1.6E-16	-0.33578	hypo	sig	chr6_31589127
chr18	12911539	12911539	+	7.822E-18	1.60193E-16	0.255902	hyper	sig	chr18_12911539
chr22	24188359	24188359	+	7.827E-18	1.60304E-16	-0.23854	hypo	sig	chr22_24188359
chr21	46325747	46325747	+	7.863E-18	1.61014E-16	-0.20693	hypo	sig	chr21_46325747
chr3	62369830	62369830	+	7.882E-18	1.61392E-16	0.248319	hyper	sig	chr3_62369830
chr6	1.7E+08	170134634	+	7.909E-18	1.6195E-16	-0.24442	hypo	sig	chr6_170134634
chr18	905126	905126	+	7.925E-18	1.62258E-16	0.288907	hyper	sig	chr18_905126
chr13	1.11E+08	111092825	+	7.93E-18	1.62362E-16	-0.21385	hypo	sig	chr13_111092825
chr5	1.81E+08	180606511	+	7.941E-18	1.62573E-16	-0.20329	hypo	sig	chr5_180606511
chr15	24773028	24773028	+	7.953E-18	1.62804E-16	0.242978	hyper	sig	chr15_24773028
chr7	1.51E+08	151410838	+	7.961E-18	1.62976E-16	0.23111	hyper	sig	chr7_151410838
chr2	1.21E+08	120546211	+	7.963E-18	1.63002E-16	-0.31803	hypo	sig	chr2_120546211
chr11	1916244	1916244	+	7.969E-18	1.63116E-16	-0.21749	hypo	sig	chr11_1916244
chr18	57428343	57428343	+	7.977E-18	1.63268E-16	0.247995	hyper	sig	chr18_57428343
chr8	64382086	64382086	+	7.976E-18	1.63268E-16	0.247857	hyper	sig	chr8_64382086
chr19	524368	524368	+	7.997E-18	1.6365E-16	-0.25007	hypo	sig	chr19_524368
chr3	1.86E+08	186193560	+	8E-18	1.63707E-16	0.232197	hyper	sig	chr3_186193560
chr18	904522	904522	+	8.001E-18	1.63737E-16	0.283238	hyper	sig	chr18_904522
chr17	44988375	44988375	+	8.008E-18	1.63863E-16	0.226675	hyper	sig	chr17_44988375
chr7	1.08E+08	107843354	+	8.009E-18	1.63884E-16	-0.27466	hypo	sig	chr7_107843354
chr11	18791116	18791116	+	8.015E-18	1.6399E-16	0.292666	hyper	sig	chr11_18791116
chr13	1.12E+08	112240302	+	8.055E-18	1.64802E-16	-0.22335	hypo	sig	chr13_112240302

chr7	1.03E+08	103141658	+	8.067E-18	1.65042E-16	-0.43096	hypo	sig	chr7_103141658
chr5	63960492	63960492	+	8.071E-18	1.65124E-16	0.265385	hyper	sig	chr5_63960492
chr11	1025091	1025091	+	8.077E-18	1.65242E-16	-0.20556	hypo	sig	chr11_1025091
chr10	1.33E+08	132790201	+	8.082E-18	1.65325E-16	-0.24634	hypo	sig	chr10_132790201
chr1	2.1E+08	209937835	+	8.096E-18	1.65605E-16	0.246482	hyper	sig	chr1_209937835
chr2	1.92E+08	192196029	+	8.098E-18	1.65642E-16	0.200698	hyper	sig	chr2_192196029
chr3	62377108	62377108	+	8.105E-18	1.65792E-16	0.233425	hyper	sig	chr3_62377108
chr5	1.59E+08	159104911	+	8.11E-18	1.65886E-16	0.291037	hyper	sig	chr5_159104911
chr3	27728948	27728948	+	8.136E-18	1.66397E-16	0.218524	hyper	sig	chr3_27728948
chr5	1.59E+08	159105294	+	8.145E-18	1.66585E-16	0.2395	hyper	sig	chr5_159105294
chr14	64823894	64823894	+	8.154E-18	1.66773E-16	-0.20314	hypo	sig	chr14_64823894
chr3	10142891	10142891	+	8.159E-18	1.66855E-16	-0.2273	hypo	sig	chr3_10142891
chr17	58666952	58666952	+	8.16E-18	1.66882E-16	-0.26103	hypo	sig	chr17_58666952
chr3	10338804	10338804	+	8.167E-18	1.6701E-16	-0.20491	hypo	sig	chr3_10338804
chr6	1.33E+08	133240810	+	8.171E-18	1.67085E-16	0.226321	hyper	sig	chr6_133240810
chr5	1.79E+08	178954934	+	8.194E-18	1.67542E-16	-0.27681	hypo	sig	chr5_178954934
chr19	51716231	51716231	+	8.198E-18	1.67629E-16	-0.23308	hypo	sig	chr19_51716231
chr13	27919209	27919209	+	8.2E-18	1.67656E-16	0.297699	hyper	sig	chr13_27919209
chr16	1288293	1288293	+	8.281E-18	1.69287E-16	-0.24827	hypo	sig	chr16_1288293
chr10	1.19E+08	118595689	+	8.293E-18	1.6952E-16	0.251367	hyper	sig	chr10_118595689
chr1	74673470	74673470	+	8.305E-18	1.69761E-16	0.32498	hyper	sig	chr1_74673470
chr1	2327838	2327838	+	8.351E-18	1.70672E-16	-0.28769	hypo	sig	chr1_2327838
chr5	63959220	63959220	+	8.361E-18	1.70873E-16	0.326627	hyper	sig	chr5_63959220
chr4	41881090	41881090	+	8.367E-18	1.70987E-16	0.23319	hyper	sig	chr4_41881090
chr15	1E+08	100373718	+	8.373E-18	1.71106E-16	0.242914	hyper	sig	chr15_100373718
chr2	19871451	19871451	+	8.373E-18	1.71106E-16	-0.21746	hypo	sig	chr2_19871451
chr5	1.79E+08	178940642	+	8.384E-18	1.71315E-16	0.26635	hyper	sig	chr5_178940642
chr13	1.08E+08	108496641	+	8.392E-18	1.7147E-16	0.365885	hyper	sig	chr13_108496641
chr10	26216659	26216659	+	8.401E-18	1.71656E-16	0.280236	hyper	sig	chr10_26216659
chr14	1.04E+08	104180140	+	8.408E-18	1.71792E-16	-0.21914	hypo	sig	chr14_104180140
chr6	41503326	41503326	+	8.42E-18	1.72026E-16	-0.27057	hypo	sig	chr6_41503326
chr5	2169584	2169584	+	8.422E-18	1.72053E-16	-0.2442	hypo	sig	chr5_2169584
chr13	35478508	35478508	+	8.426E-18	1.72136E-16	0.271518	hyper	sig	chr13_35478508
chr1	4653989	4653989	+	8.432E-18	1.72258E-16	0.261717	hyper	sig	chr1_4653989
chr5	1885439	1885439	+	8.437E-18	1.72364E-16	0.210321	hyper	sig	chr5_1885439
chr10	77711208	77711208	+	8.442E-18	1.72461E-16	0.221302	hyper	sig	chr10_77711208
chr14	1.06E+08	105598171	+	8.446E-18	1.72541E-16	-0.20676	hypo	sig	chr14_105598171
chr14	94773836	94773836	+	8.447E-18	1.72554E-16	0.318568	hyper	sig	chr14_94773836
chr2	1.9E+08	190343276	+	8.45E-18	1.72595E-16	-0.21768	hypo	sig	chr2_190343276
chr17	39576437	39576437	+	8.461E-18	1.72829E-16	-0.23005	hypo	sig	chr17_39576437
chr1	9070523	9070523	+	8.469E-18	1.72975E-16	-0.22681	hypo	sig	chr1_9070523
chr1	2.28E+08	228158389	+	8.48E-18	1.73191E-16	0.227868	hyper	sig	chr1_228158389
chr4	1.11E+08	110612344	+	8.492E-18	1.73433E-16	0.213007	hyper	sig	chr4_110612344
chr13	24931986	24931986	+	8.513E-18	1.73843E-16	0.22253	hyper	sig	chr13_24931986
chr19	51328032	51328032	+	8.53E-18	1.74168E-16	0.264897	hyper	sig	chr19_51328032
chr6	28885336	28885336	+	8.53E-18	1.74182E-16	0.287924	hyper	sig	chr6_28885336
chr8	1.44E+08	143712760	+	8.541E-18	1.74381E-16	-0.23299	hypo	sig	chr8_143712760
chr20	19974792	19974792	+	8.541E-18	1.74385E-16	0.232657	hyper	sig	chr20_19974792
chr9	1.3E+08	129640534	+	8.564E-18	1.74823E-16	-0.31853	hypo	sig	chr9_129640534
chr6	37644769	37644769	+	8.59E-18	1.75355E-16	-0.21908	hypo	sig	chr6_37644769
chr5	33937030	33937030	+	8.594E-18	1.75437E-16	0.255793	hyper	sig	chr5_33937030
chr20	46246801	46246801	+	8.615E-18	1.75844E-16	0.251949	hyper	sig	chr20_46246801
chr1	1.11E+08	110553365	+	8.622E-18	1.7599E-16	-0.32143	hypo	sig	chr1_110553365
chr19	49042423	49042423	+	8.639E-18	1.76321E-16	-0.20397	hypo	sig	chr19_49042423
chr17	28717632	28717632	+	8.646E-18	1.76474E-16	0.286419	hyper	sig	chr17_28717632
chr15	83285396	83285396	+	8.652E-18	1.76587E-16	0.230809	hyper	sig	chr15_83285396

chr16	88297341	88297341	+	8.656E-18	1.76657E-16	-0.20133	hypo	sig	chr16_88297341
chr19	15224010	15224010	+	8.667E-18	1.76879E-16	0.257069	hyper	sig	chr19_15224010
chr9	97855478	97855478	+	8.697E-18	1.77494E-16	0.305172	hyper	sig	chr9_97855478
chr13	1.12E+08	112057730	+	8.706E-18	1.77679E-16	0.205818	hyper	sig	chr13_112057730
chr5	1.29E+08	128537604	+	8.722E-18	1.77979E-16	0.207813	hyper	sig	chr5_128537604
chr12	1.07E+08	106586461	+	8.723E-18	1.78003E-16	0.208704	hyper	sig	chr12_106586461
chr3	27730372	27730372	+	8.734E-18	1.78211E-16	0.240395	hyper	sig	chr3_27730372
chr4	55125106	55125106	+	8.741E-18	1.78361E-16	0.253402	hyper	sig	chr4_55125106
chr5	1.29E+08	128537916	+	8.757E-18	1.78686E-16	0.21533	hyper	sig	chr5_128537916
chr19	33684648	33684648	+	8.759E-18	1.78708E-16	0.207094	hyper	sig	chr19_33684648
chr2	63054709	63054709	+	8.79E-18	1.79309E-16	0.228912	hyper	sig	chr2_63054709
chr16	54288572	54288572	+	8.793E-18	1.79377E-16	0.206084	hyper	sig	chr16_54288572
chr3	1.92E+08	192408946	+	8.794E-18	1.79377E-16	0.239598	hyper	sig	chr3_192408946
chr3	1.02E+08	101677879	+	8.799E-18	1.79488E-16	-0.25723	hypo	sig	chr3_101677879
chr5	38846905	38846905	+	8.83E-18	1.80102E-16	0.282895	hyper	sig	chr5_38846905
chr16	11665592	11665592	+	8.85E-18	1.80488E-16	-0.25068	hypo	sig	chr16_11665592
chr8	1.08E+08	108082351	+	8.853E-18	1.80551E-16	0.222116	hyper	sig	chr8_108082351
chr17	42670413	42670413	+	8.886E-18	1.81217E-16	0.235199	hyper	sig	chr17_42670413
chr5	1.46E+08	146339470	+	8.886E-18	1.81217E-16	0.244697	hyper	sig	chr5_146339470
chr6	2970390	2970390	+	8.89E-18	1.81292E-16	-0.21486	hypo	sig	chr6_2970390
chr4	3689614	3689614	+	8.895E-18	1.81386E-16	-0.20386	hypo	sig	chr4_3689614
chr11	19346074	19346074	+	8.909E-18	1.81659E-16	0.217146	hyper	sig	chr11_19346074
chr12	81078416	81078416	+	8.917E-18	1.81808E-16	0.206053	hyper	sig	chr12_81078416
chr14	76905127	76905127	+	8.926E-18	1.81982E-16	-0.24232	hypo	sig	chr14_76905127
chr1	40133107	40133107	+	8.945E-18	1.8237E-16	0.257646	hyper	sig	chr1_40133107
chr19	56765254	56765254	+	8.947E-18	1.8241E-16	0.286677	hyper	sig	chr19_56765254
chr6	28259235	28259235	+	8.953E-18	1.82528E-16	0.25823	hyper	sig	chr6_28259235
chr12	1.2E+08	120195302	+	8.983E-18	1.83135E-16	-0.21031	hypo	sig	chr12_120195302
chr3	1.26E+08	125756278	+	8.99E-18	1.8327E-16	-0.28134	hypo	sig	chr3_125756278
chr18	33440790	33440790	+	8.992E-18	1.83304E-16	0.20843	hyper	sig	chr18_33440790
chr3	1.84E+08	184492315	+	8.994E-18	1.83334E-16	0.236527	hyper	sig	chr3_184492315
chr12	64390668	64390668	+	9.003E-18	1.83503E-16	0.206294	hyper	sig	chr12_64390668
chr1	12044828	12044828	+	9.008E-18	1.83611E-16	-0.24089	hypo	sig	chr1_12044828
chr8	9899414	9899414	+	9.041E-18	1.84262E-16	0.20867	hyper	sig	chr8_9899414
chr12	1.32E+08	132210290	+	9.044E-18	1.84317E-16	-0.32699	hypo	sig	chr12_132210290
chr5	676268	676268	+	9.045E-18	1.84335E-16	-0.23597	hypo	sig	chr5_676268
chr5	1.73E+08	173233899	+	9.048E-18	1.84378E-16	0.213173	hyper	sig	chr5_173233899
chr10	1.17E+08	117132707	+	9.069E-18	1.84787E-16	0.249003	hyper	sig	chr10_117132707
chr16	89052617	89052617	+	9.069E-18	1.84797E-16	-0.27866	hypo	sig	chr16_89052617
chr20	63177398	63177398	+	9.073E-18	1.84864E-16	0.234819	hyper	sig	chr20_63177398
chr2	1.15E+08	114662152	+	9.091E-18	1.85227E-16	0.3548	hyper	sig	chr2_114662152
chr5	1.8E+08	180336436	+	9.1E-18	1.85412E-16	-0.21838	hypo	sig	chr5_180336436
chr2	5696087	5696087	+	9.105E-18	1.85512E-16	0.232409	hyper	sig	chr2_5696087
chr11	1343820	1343820	+	9.113E-18	1.85648E-16	-0.2261	hypo	sig	chr11_1343820
chr20	45098714	45098714	+	9.13E-18	1.85982E-16	0.279848	hyper	sig	chr20_45098714
chr2	44944669	44944669	+	9.145E-18	1.86279E-16	0.255428	hyper	sig	chr2_44944669
chr17	10171806	10171806	+	9.147E-18	1.86297E-16	-0.25381	hypo	sig	chr17_10171806
chr4	72032006	72032006	+	9.15E-18	1.86352E-16	0.250557	hyper	sig	chr4_72032006
chr6	50851503	50851503	+	9.161E-18	1.86562E-16	0.203309	hyper	sig	chr6_50851503
chr16	88134706	88134706	+	9.163E-18	1.86604E-16	-0.23242	hypo	sig	chr16_88134706
chr20	21608530	21608530	+	9.167E-18	1.86671E-16	-0.28504	hypo	sig	chr20_21608530
chr6	98844374	98844374	+	9.179E-18	1.86912E-16	0.204943	hyper	sig	chr6_98844374
chr19	33623145	33623145	+	9.191E-18	1.87157E-16	0.208665	hyper	sig	chr19_33623145
chr2	40451698	40451698	+	9.192E-18	1.87175E-16	0.221255	hyper	sig	chr2_40451698
chr1	1.19E+08	118988023	+	9.194E-18	1.87207E-16	0.215738	hyper	sig	chr1_118988023
chr19	53037643	53037643	+	9.201E-18	1.87338E-16	0.233163	hyper	sig	chr19_53037643

chr20	38728125	38728125	+	9.207E-18	1.87467E-16	0.311503	hyper	sig	chr20_38728125
chr3	1.2E+08	119810207	+	9.211E-18	1.87543E-16	0.285553	hyper	sig	chr3_119810207
chr18	79430043	79430043	+	9.226E-18	1.87825E-16	-0.20328	hypo	sig	chr18_79430043
chr16	1266080	1266080	+	9.227E-18	1.8785E-16	-0.2788	hypo	sig	chr16_1266080
chr4	1.47E+08	146640796	+	9.229E-18	1.87887E-16	0.26274	hyper	sig	chr4_146640796
chr1	1.19E+08	118989369	+	9.239E-18	1.88074E-16	0.247347	hyper	sig	chr1_118989369
chr5	2338832	2338832	+	9.248E-18	1.88245E-16	-0.21887	hypo	sig	chr5_2338832
chr11	14905189	14905189	+	9.257E-18	1.8842E-16	0.333468	hyper	sig	chr11_14905189
chr5	1.5E+08	150303278	+	9.286E-18	1.88982E-16	0.20416	hyper	sig	chr5_150303278
chr5	51382541	51382541	+	9.292E-18	1.89103E-16	0.24655	hyper	sig	chr5_51382541
chr12	1.32E+08	132215275	+	9.293E-18	1.89123E-16	-0.23377	hypo	sig	chr12_132215275
chr12	1.14E+08	114439233	+	9.295E-18	1.89166E-16	0.222314	hyper	sig	chr12_114439233
chr7	1364208	1364208	+	9.301E-18	1.89276E-16	-0.21911	hypo	sig	chr7_1364208
chr1	2.48E+08	247937029	+	9.308E-18	1.89405E-16	0.204985	hyper	sig	chr1_247937029
chr18	75454811	75454811	+	9.321E-18	1.89671E-16	-0.24826	hypo	sig	chr18_75454811
chr7	35971407	35971407	+	9.335E-18	1.8996E-16	-0.20404	hypo	sig	chr7_35971407
chr2	2.41E+08	241081894	+	9.345E-18	1.90151E-16	-0.25978	hypo	sig	chr2_241081894
chr12	62191393	62191393	+	9.361E-18	1.90477E-16	0.239934	hyper	sig	chr12_62191393
chr1	9720848	9720848	+	9.384E-18	1.90921E-16	-0.20435	hypo	sig	chr1_9720848
chr11	69294444	69294444	+	9.388E-18	1.90995E-16	-0.20228	hypo	sig	chr11_69294444
chr4	80190018	80190018	+	9.388E-18	1.90995E-16	0.217889	hyper	sig	chr4_80190018
chr13	31945923	31945923	+	9.392E-18	1.91079E-16	-0.23477	hypo	sig	chr13_31945923
chr9	1.27E+08	126615006	+	9.395E-18	1.91118E-16	0.237249	hyper	sig	chr9_126615006
chr13	1.11E+08	110527732	+	9.403E-18	1.91274E-16	-0.21531	hypo	sig	chr13_110527732
chr7	1.01E+08	101299812	+	9.418E-18	1.91582E-16	0.290754	hyper	sig	chr7_101299812
chr17	81392389	81392389	+	9.445E-18	1.92112E-16	0.26016	hyper	sig	chr17_81392389
chr5	3602450	3602450	+	9.458E-18	1.92382E-16	0.227379	hyper	sig	chr5_3602450
chr1	2.47E+08	246697130	+	9.463E-18	1.92465E-16	-0.23629	hypo	sig	chr1_246697130
chr3	1.96E+08	195807940	+	9.473E-18	1.92662E-16	-0.22026	hypo	sig	chr3_195807940
chr13	1.12E+08	112057733	+	9.473E-18	1.92663E-16	0.232557	hyper	sig	chr13_112057733
chr5	1.81E+08	180629274	+	9.487E-18	1.92946E-16	-0.23614	hypo	sig	chr5_180629274
chr1	18631904	18631904	+	9.499E-18	1.93175E-16	0.206491	hyper	sig	chr1_18631904
chr3	1.33E+08	133038172	+	9.516E-18	1.93516E-16	0.240379	hyper	sig	chr3_133038172
chr13	26686909	26686909	+	9.526E-18	1.93697E-16	-0.20347	hypo	sig	chr13_26686909
chr12	98893712	98893712	+	9.541E-18	1.93996E-16	0.204254	hyper	sig	chr12_98893712
chr6	1E+08	100448794	+	9.555E-18	1.94263E-16	0.200511	hyper	sig	chr6_100448794
chr6	87705243	87705243	+	9.57E-18	1.94562E-16	-0.2801	hypo	sig	chr6_87705243
chr17	8096427	8096427	+	9.582E-18	1.94802E-16	-0.21432	hypo	sig	chr17_8096427
chr19	53255256	53255256	+	9.583E-18	1.94817E-16	0.305658	hyper	sig	chr19_53255256
chr8	13566734	13566734	+	9.586E-18	1.94879E-16	0.210767	hyper	sig	chr8_13566734
chr6	84773337	84773337	+	9.599E-18	1.95139E-16	0.21815	hyper	sig	chr6_84773337
chr4	1.56E+08	155758898	+	9.601E-18	1.95163E-16	0.267129	hyper	sig	chr4_155758898
chr3	1.92E+08	192408799	+	9.615E-18	1.95433E-16	0.214039	hyper	sig	chr3_192408799
chr10	1.33E+08	132935107	+	9.627E-18	1.95672E-16	-0.2566	hypo	sig	chr10_132935107
chr13	36346663	36346663	+	9.634E-18	1.95816E-16	0.22237	hyper	sig	chr13_36346663
chr1	1.15E+08	114855494	+	9.635E-18	1.95832E-16	0.26913	hyper	sig	chr1_114855494
chr15	93074695	93074695	+	9.637E-18	1.95856E-16	-0.20208	hypo	sig	chr15_93074695
chr8	70072094	70072094	+	9.638E-18	1.95879E-16	0.211192	hyper	sig	chr8_70072094
chr7	1.49E+08	149462420	+	9.666E-18	1.96409E-16	-0.3205	hypo	sig	chr7_149462420
chr15	83448224	83448224	+	9.668E-18	1.96462E-16	0.204504	hyper	sig	chr15_83448224
chr19	35849562	35849562	+	9.683E-18	1.96754E-16	-0.24378	hypo	sig	chr19_35849562
chr2	60586236	60586236	+	9.694E-18	1.96963E-16	-0.32897	hypo	sig	chr2_60586236
chr11	49208415	49208415	+	9.7E-18	1.9707E-16	0.343637	hyper	sig	chr11_49208415
chr6	70282781	70282781	+	9.705E-18	1.97177E-16	0.217563	hyper	sig	chr6_70282781
chr22	19892597	19892597	+	9.707E-18	1.97204E-16	-0.26406	hypo	sig	chr22_19892597
chr3	75655422	75655422	+	9.709E-18	1.97251E-16	0.219463	hyper	sig	chr3_75655422

chr7	27110574	27110574	+	9.717E-18	1.97395E-16	0.250998	hyper	sig	chr7_27110574
chr7	1.54E+08	154054280	+	9.728E-18	1.97618E-16	-0.2725	hypo	sig	chr7_154054280
chr4	55157802	55157802	+	9.752E-18	1.98082E-16	0.275883	hyper	sig	chr4_55157802
chr12	9074599	9074599	+	9.754E-18	1.98121E-16	-0.20248	hypo	sig	chr12_9074599
chr19	42005579	42005579	+	9.765E-18	1.98328E-16	-0.23115	hypo	sig	chr19_42005579
chr1	11654210	11654210	+	9.776E-18	1.98548E-16	0.205969	hyper	sig	chr1_11654210
chr2	1.45E+08	144524663	+	9.789E-18	1.988E-16	0.233926	hyper	sig	chr2_144524663
chr14	56812387	56812387	+	9.79E-18	1.98809E-16	0.216045	hyper	sig	chr14_56812387
chr4	41880936	41880936	+	9.793E-18	1.98866E-16	0.233416	hyper	sig	chr4_41880936
chr9	1.37E+08	137152741	+	9.806E-18	1.99106E-16	-0.29202	hypo	sig	chr9_137152741
chr5	63959218	63959218	+	9.81E-18	1.99181E-16	0.327623	hyper	sig	chr5_63959218
chr12	53973075	53973075	+	9.811E-18	1.99195E-16	0.250178	hyper	sig	chr12_53973075
chr7	5303515	5303515	+	9.826E-18	1.99496E-16	-0.2428	hypo	sig	chr7_5303515
chr16	88393358	88393358	+	9.839E-18	1.99747E-16	-0.21559	hypo	sig	chr16_88393358
chr16	88104091	88104091	+	9.845E-18	1.99862E-16	-0.20321	hypo	sig	chr16_88104091
chr11	1.12E+08	111912871	+	9.874E-18	2.00435E-16	0.215042	hyper	sig	chr11_111912871
chr6	36590377	36590377	+	9.878E-18	2.00507E-16	-0.30219	hypo	sig	chr6_36590377
chr19	6712493	6712493	+	9.893E-18	2.00808E-16	-0.26991	hypo	sig	chr19_6712493
chr1	2.35E+08	234970017	+	9.937E-18	2.01649E-16	0.216787	hyper	sig	chr1_234970017
chr16	1044796	1044796	+	9.946E-18	2.01838E-16	-0.20867	hypo	sig	chr16_1044796
chr10	1.33E+08	132851711	+	9.962E-18	2.02145E-16	-0.27665	hypo	sig	chr10_132851711
chr2	2.31E+08	230824208	+	9.967E-18	2.02245E-16	-0.23548	hypo	sig	chr2_230824208
chr5	1.16E+08	115962156	+	9.979E-18	2.0249E-16	0.245503	hyper	sig	chr5_115962156
chr9	1.34E+08	133532031	+	9.986E-18	2.02611E-16	-0.26111	hypo	sig	chr9_133532031
chr6	10385248	10385248	+	9.995E-18	2.02794E-16	0.253334	hyper	sig	chr6_10385248
chr6	1594843	1594843	+	9.996E-18	2.02806E-16	-0.25317	hypo	sig	chr6_1594843
chr19	21680913	21680913	+	9.997E-18	2.02813E-16	-0.26978	hypo	sig	chr19_21680913
chr12	92429333	92429333	+	1.001E-17	2.03E-16	-0.27147	hypo	sig	chr12_92429333
chr17	79423306	79423306	+	1.001E-17	2.03064E-16	-0.20216	hypo	sig	chr17_79423306
chr14	53952940	53952940	+	1.003E-17	2.03475E-16	0.308031	hyper	sig	chr14_53952940
chr7	1.5E+08	150047247	+	1.003E-17	2.03534E-16	0.213739	hyper	sig	chr7_150047247
chr20	1949167	1949167	+	1.006E-17	2.04113E-16	-0.26244	hypo	sig	chr20_1949167
chr3	1.01E+08	100609869	+	1.007E-17	2.04166E-16	-0.26898	hypo	sig	chr3_100609869
chr5	55223195	55223195	+	1.007E-17	2.04294E-16	0.261072	hyper	sig	chr5_55223195
chr19	58440771	58440771	+	1.01E-17	2.04763E-16	0.221888	hyper	sig	chr19_58440771
chr8	10898367	10898367	+	1.013E-17	2.0549E-16	-0.20624	hypo	sig	chr8_10898367
chr3	50303631	50303631	+	1.014E-17	2.05519E-16	-0.2428	hypo	sig	chr3_50303631
chr10	1403167	1403167	+	1.017E-17	2.06099E-16	-0.25067	hypo	sig	chr10_1403167
chr5	1.29E+08	128537607	+	1.017E-17	2.06247E-16	0.206045	hyper	sig	chr5_128537607
chr19	36421878	36421878	+	1.018E-17	2.06319E-16	0.242267	hyper	sig	chr19_36421878
chr4	1.72E+08	171812662	+	1.018E-17	2.0635E-16	0.247184	hyper	sig	chr4_171812662
chr20	31474359	31474359	+	1.018E-17	2.0637E-16	-0.23467	hypo	sig	chr20_31474359
chr10	1402925	1402925	+	1.018E-17	2.06392E-16	-0.24153	hypo	sig	chr10_1402925
chr8	1.01E+08	100900116	+	1.019E-17	2.06589E-16	-0.20371	hypo	sig	chr8_100900116
chr3	1.19E+08	119462031	+	1.02E-17	2.06642E-16	-0.26667	hypo	sig	chr3_119462031
chr8	27921333	27921333	+	1.02E-17	2.0668E-16	-0.20675	hypo	sig	chr8_27921333
chr11	1729508	1729508	+	1.02E-17	2.0668E-16	-0.204	hypo	sig	chr11_1729508
chr11	65879082	65879082	+	1.021E-17	2.06963E-16	-0.25233	hypo	sig	chr11_65879082
chr17	61928482	61928482	+	1.021E-17	2.06968E-16	-0.25195	hypo	sig	chr17_61928482
chr10	1.33E+08	132508913	+	1.024E-17	2.07594E-16	-0.20943	hypo	sig	chr10_132508913
chr19	12514622	12514622	+	1.025E-17	2.07761E-16	-0.25433	hypo	sig	chr19_12514622
chr8	38469436	38469436	+	1.026E-17	2.07842E-16	-0.27314	hypo	sig	chr8_38469436
chr11	34496160	34496160	+	1.026E-17	2.07855E-16	-0.25674	hypo	sig	chr11_34496160
chr11	1.25E+08	125494788	+	1.026E-17	2.0795E-16	0.284149	hyper	sig	chr11_125494788
chr12	1.32E+08	132475675	+	1.027E-17	2.08131E-16	-0.25209	hypo	sig	chr12_132475675
chr19	21678056	21678056	+	1.027E-17	2.08131E-16	0.225915	hyper	sig	chr19_21678056

chr7	27110643	27110643	+	1.028E-17	2.08191E-16	0.201165	hyper	sig	chr7_27110643
chr7	30914926	30914926	+	1.029E-17	2.08404E-16	0.210111	hyper	sig	chr7_30914926
chr3	1.18E+08	117997263	+	1.031E-17	2.08957E-16	0.299037	hyper	sig	chr3_117997263
chr9	118076	118076	+	1.033E-17	2.09232E-16	0.303739	hyper	sig	chr9_118076
chr8	1.41E+08	141368092	+	1.033E-17	2.09234E-16	-0.20408	hypo	sig	chr8_141368092
chr10	1.33E+08	132785008	+	1.033E-17	2.09256E-16	0.22915	hyper	sig	chr10_132785008
chr1	9014872	9014872	+	1.034E-17	2.09497E-16	-0.21929	hypo	sig	chr1_9014872
chr3	62374999	62374999	+	1.035E-17	2.09648E-16	0.25278	hyper	sig	chr3_62374999
chr11	67627183	67627183	+	1.038E-17	2.10273E-16	-0.23803	hypo	sig	chr11_67627183
chr6	10384950	10384950	+	1.039E-17	2.10457E-16	0.267381	hyper	sig	chr6_10384950
chr11	2166983	2166983	+	1.04E-17	2.10554E-16	-0.21806	hypo	sig	chr11_2166983
chr19	48297224	48297224	+	1.043E-17	2.11207E-16	-0.20657	hypo	sig	chr19_48297224
chr15	93900798	93900798	+	1.044E-17	2.11329E-16	-0.26664	hypo	sig	chr15_93900798
chr1	1.51E+08	150513785	+	1.044E-17	2.11433E-16	-0.26578	hypo	sig	chr1_150513785
chr11	61748494	61748494	+	1.046E-17	2.11838E-16	-0.24955	hypo	sig	chr11_61748494
chr14	1.05E+08	104878314	+	1.048E-17	2.1211E-16	-0.2066	hypo	sig	chr14_104878314
chr5	1.41E+08	141235202	+	1.049E-17	2.12424E-16	0.214871	hyper	sig	chr5_141235202
chr10	1036484	1036484	+	1.05E-17	2.12563E-16	-0.24001	hypo	sig	chr10_1036484
chr3	196541	196541	+	1.051E-17	2.12883E-16	0.268332	hyper	sig	chr3_196541
chr11	19346167	19346167	+	1.052E-17	2.129E-16	0.213893	hyper	sig	chr11_19346167
chr2	2.35E+08	235053964	+	1.053E-17	2.13127E-16	-0.2319	hypo	sig	chr2_235053964
chr16	84174616	84174616	+	1.053E-17	2.13219E-16	-0.24903	hypo	sig	chr16_84174616
chr1	20723994	20723994	+	1.054E-17	2.13333E-16	-0.24123	hypo	sig	chr1_20723994
chr8	1E+08	100105739	+	1.057E-17	2.1398E-16	0.253733	hyper	sig	chr8_100105739
chr12	29779114	29779114	+	1.058E-17	2.14193E-16	-0.22903	hypo	sig	chr12_29779114
chr13	1.11E+08	111410302	+	1.058E-17	2.14216E-16	-0.23132	hypo	sig	chr13_111410302
chr13	36345551	36345551	+	1.062E-17	2.14852E-16	0.212255	hyper	sig	chr13_36345551
chr11	46293258	46293258	+	1.063E-17	2.15091E-16	-0.22728	hypo	sig	chr11_46293258
chr6	28511474	28511474	+	1.063E-17	2.15094E-16	-0.23278	hypo	sig	chr6_28511474
chr6	1.46E+08	146434426	+	1.064E-17	2.15254E-16	0.268353	hyper	sig	chr6_146434426
chr14	69548151	69548151	+	1.066E-17	2.15767E-16	0.317513	hyper	sig	chr14_69548151
chr16	85452138	85452138	+	1.067E-17	2.15847E-16	-0.202	hypo	sig	chr16_85452138
chr5	1.59E+08	159097443	+	1.067E-17	2.15919E-16	0.293347	hyper	sig	chr5_159097443
chr7	1.55E+08	155459259	+	1.068E-17	2.16017E-16	0.227783	hyper	sig	chr7_155459259
chr5	1.73E+08	173234052	+	1.068E-17	2.16094E-16	0.2512	hyper	sig	chr5_173234052
chr5	73232330	73232330	+	1.07E-17	2.16487E-16	0.235302	hyper	sig	chr5_73232330
chr18	3411823	3411823	+	1.07E-17	2.16487E-16	-0.24323	hypo	sig	chr18_3411823
chr5	1.41E+08	140807682	+	1.071E-17	2.16648E-16	0.201324	hyper	sig	chr5_140807682
chr1	2328532	2328532	+	1.071E-17	2.16681E-16	-0.30834	hypo	sig	chr1_2328532
chr1	1.19E+08	118990359	+	1.071E-17	2.16681E-16	0.267079	hyper	sig	chr1_118990359
chr16	3092274	3092274	+	1.073E-17	2.17125E-16	-0.27193	hypo	sig	chr16_3092274
chr17	1575633	1575633	+	1.074E-17	2.17189E-16	-0.21209	hypo	sig	chr17_1575633
chr10	90857113	90857113	+	1.074E-17	2.17221E-16	0.276465	hyper	sig	chr10_90857113
chr14	76091013	76091013	+	1.076E-17	2.17601E-16	-0.24253	hypo	sig	chr14_76091013
chr5	1.55E+08	154606651	+	1.077E-17	2.17942E-16	-0.2021	hypo	sig	chr5_154606651
chr7	4837376	4837376	+	1.078E-17	2.17989E-16	-0.27826	hypo	sig	chr7_4837376
chr10	1.32E+08	132373445	+	1.078E-17	2.17997E-16	-0.23395	hypo	sig	chr10_132373445
chr5	1.41E+08	141362170	+	1.078E-17	2.1806E-16	0.216455	hyper	sig	chr5_141362170
chr7	19145389	19145389	+	1.079E-17	2.18257E-16	0.263616	hyper	sig	chr7_19145389
chr11	862666	862666	+	1.082E-17	2.18788E-16	-0.27569	hypo	sig	chr11_862666
chr19	42424892	42424892	+	1.083E-17	2.19032E-16	-0.26463	hypo	sig	chr19_42424892
chr10	11892395	11892395	+	1.084E-17	2.19245E-16	-0.20999	hypo	sig	chr10_11892395
chr3	1.54E+08	154428085	+	1.084E-17	2.19245E-16	0.241043	hyper	sig	chr3_154428085
chr12	80716927	80716927	+	1.085E-17	2.194E-16	0.204197	hyper	sig	chr12_80716927
chr13	1.13E+08	112940462	+	1.088E-17	2.20041E-16	-0.21385	hypo	sig	chr13_112940462
chr3	96776285	96776285	+	1.088E-17	2.20057E-16	-0.29138	hypo	sig	chr3_96776285

chr2	2.41E+08	240972892	+	1.09E-17	2.20395E-16	-0.20064	hypo	sig	chr2_240972892
chr2	1.05E+08	104659432	+	1.091E-17	2.2063E-16	0.272598	hyper	sig	chr2_104659432
chr10	26212117	26212117	+	1.092E-17	2.20783E-16	0.270915	hyper	sig	chr10_26212117
chr10	13891599	13891599	+	1.098E-17	2.21924E-16	0.215372	hyper	sig	chr10_13891599
chr16	88880523	88880523	+	1.099E-17	2.22057E-16	0.208355	hyper	sig	chr16_88880523
chr6	1.12E+08	112347252	+	1.1E-17	2.22233E-16	-0.20604	hypo	sig	chr6_112347252
chr9	21031785	21031785	+	1.1E-17	2.22233E-16	0.300864	hyper	sig	chr9_21031785
chr19	37507089	37507089	+	1.101E-17	2.22571E-16	0.215633	hyper	sig	chr19_37507089
chr17	43759146	43759146	+	1.102E-17	2.22682E-16	-0.20244	hypo	sig	chr17_43759146
chr17	10197794	10197794	+	1.103E-17	2.22839E-16	0.241787	hyper	sig	chr17_10197794
chr6	1E+08	100449437	+	1.104E-17	2.23067E-16	0.238405	hyper	sig	chr6_100449437
chr13	36345869	36345869	+	1.104E-17	2.23091E-16	0.372504	hyper	sig	chr13_36345869
chr10	49769086	49769086	+	1.109E-17	2.24006E-16	0.305781	hyper	sig	chr10_49769086
chr19	40224479	40224479	+	1.109E-17	2.24098E-16	-0.33796	hypo	sig	chr19_40224479
chr4	1615434	1615434	+	1.11E-17	2.24181E-16	-0.22836	hypo	sig	chr4_1615434
chr19	48556232	48556232	+	1.11E-17	2.24273E-16	-0.2639	hypo	sig	chr19_48556232
chr11	1343781	1343781	+	1.112E-17	2.24574E-16	-0.23062	hypo	sig	chr11_1343781
chr9	34809663	34809663	+	1.113E-17	2.24873E-16	0.20981	hyper	sig	chr9_34809663
chr2	2.41E+08	240701835	+	1.114E-17	2.25087E-16	-0.21108	hypo	sig	chr2_240701835
chr1	75130316	75130316	+	1.114E-17	2.25088E-16	0.209458	hyper	sig	chr1_75130316
chr10	99421378	99421378	+	1.115E-17	2.25146E-16	-0.25449	hypo	sig	chr10_99421378
chr15	59994339	59994339	+	1.116E-17	2.25447E-16	0.250172	hyper	sig	chr15_59994339
chr10	69569339	69569339	+	1.118E-17	2.2578E-16	0.279812	hyper	sig	chr10_69569339
chr13	1.12E+08	111900401	+	1.12E-17	2.26316E-16	-0.27419	hypo	sig	chr13_111900401
chr5	1.41E+08	141350361	+	1.122E-17	2.26572E-16	0.248016	hyper	sig	chr5_141350361
chr4	1568939	1568939	+	1.122E-17	2.26682E-16	-0.21426	hypo	sig	chr4_1568939
chr1	50425669	50425669	+	1.123E-17	2.26749E-16	0.201241	hyper	sig	chr1_50425669
chr16	10180460	10180460	+	1.123E-17	2.26835E-16	0.241662	hyper	sig	chr16_10180460
chr5	1.79E+08	178577102	+	1.123E-17	2.26872E-16	0.243976	hyper	sig	chr5_178577102
chr3	68931330	68931330	+	1.125E-17	2.27233E-16	0.289116	hyper	sig	chr3_68931330
chr8	56446168	56446168	+	1.126E-17	2.27416E-16	0.279441	hyper	sig	chr8_56446168
chr17	35869019	35869019	+	1.127E-17	2.27499E-16	-0.21137	hypo	sig	chr17_35869019
chr15	26970824	26970824	+	1.128E-17	2.27817E-16	0.205388	hyper	sig	chr15_26970824
chr1	1.57E+08	156845187	+	1.132E-17	2.28474E-16	0.204873	hyper	sig	chr1_156845187
chr14	24315647	24315647	+	1.132E-17	2.28615E-16	-0.21463	hypo	sig	chr14_24315647
chr7	1.5E+08	150429304	+	1.133E-17	2.28624E-16	-0.20869	hypo	sig	chr7_150429304
chr9	1.22E+08	121822235	+	1.133E-17	2.28666E-16	-0.21154	hypo	sig	chr9_121822235
chr4	10461329	10461329	+	1.135E-17	2.29029E-16	0.231949	hyper	sig	chr4_10461329
chr2	26150114	26150114	+	1.138E-17	2.29632E-16	-0.23945	hypo	sig	chr2_26150114
chr4	1.57E+08	157222332	+	1.138E-17	2.29639E-16	0.274056	hyper	sig	chr4_157222332
chr13	1.1E+08	110306650	+	1.139E-17	2.29841E-16	0.2599	hyper	sig	chr13_110306650
chr5	93588022	93588022	+	1.139E-17	2.2993E-16	0.302348	hyper	sig	chr5_93588022
chr19	55406824	55406824	+	1.141E-17	2.3023E-16	-0.2304	hypo	sig	chr19_55406824
chr6	41503344	41503344	+	1.141E-17	2.30288E-16	-0.27886	hypo	sig	chr6_41503344
chr3	1.07E+08	107429525	+	1.142E-17	2.30479E-16	0.24353	hyper	sig	chr3_107429525
chr7	23246840	23246840	+	1.144E-17	2.30919E-16	-0.20435	hypo	sig	chr7_23246840
chr13	52849810	52849810	+	1.146E-17	2.31178E-16	0.217357	hyper	sig	chr13_52849810
chr7	97731961	97731961	+	1.146E-17	2.31202E-16	0.247364	hyper	sig	chr7_97731961
chr7	32424186	32424186	+	1.147E-17	2.31468E-16	-0.29762	hypo	sig	chr7_32424186
chr11	1.12E+08	111548293	+	1.152E-17	2.32438E-16	-0.29182	hypo	sig	chr11_111548293
chr10	1.33E+08	133230090	+	1.152E-17	2.32495E-16	0.227096	hyper	sig	chr10_133230090
chr2	2.02E+08	201619164	+	1.153E-17	2.3266E-16	0.288687	hyper	sig	chr2_201619164
chr22	50031646	50031646	+	1.154E-17	2.32735E-16	-0.21102	hypo	sig	chr22_50031646
chr14	56811401	56811401	+	1.155E-17	2.32945E-16	0.234078	hyper	sig	chr14_56811401
chr14	1.02E+08	101590855	+	1.155E-17	2.33061E-16	-0.28903	hypo	sig	chr14_101590855
chr19	2513358	2513358	+	1.16E-17	2.33919E-16	-0.2145	hypo	sig	chr19_2513358

chr1	43360233	43360233	+	1.16E-17	2.33989E-16	-0.24346	hypo	sig	chr1_43360233
chr2	2.33E+08	232630569	+	1.165E-17	2.34963E-16	-0.26521	hypo	sig	chr2_232630569
chr5	1.41E+08	141491994	+	1.165E-17	2.35003E-16	0.2972	hyper	sig	chr5_141491994
chr17	5097481	5097481	+	1.17E-17	2.35917E-16	0.230113	hyper	sig	chr17_5097481
chr10	43130969	43130969	+	1.17E-17	2.35954E-16	-0.22078	hypo	sig	chr10_43130969
chr11	1.23E+08	122977768	+	1.172E-17	2.36273E-16	0.237106	hyper	sig	chr11_122977768
chr2	2.32E+08	231707589	+	1.172E-17	2.36279E-16	-0.20019	hypo	sig	chr2_231707589
chr20	38728132	38728132	+	1.172E-17	2.3632E-16	0.281149	hyper	sig	chr20_38728132
chr14	20434268	20434268	+	1.172E-17	2.36368E-16	-0.29598	hypo	sig	chr14_20434268
chr20	21105746	21105746	+	1.173E-17	2.36506E-16	0.256401	hyper	sig	chr20_21105746
chr15	83379541	83379541	+	1.174E-17	2.36612E-16	0.21185	hyper	sig	chr15_83379541
chr2	2.31E+08	230873026	+	1.175E-17	2.36805E-16	0.218718	hyper	sig	chr2_230873026
chr19	2608545	2608545	+	1.175E-17	2.36863E-16	-0.24302	hypo	sig	chr19_2608545
chr5	10649606	10649606	+	1.177E-17	2.37206E-16	0.245532	hyper	sig	chr5_10649606
chr2	84294041	84294041	+	1.178E-17	2.37547E-16	-0.22486	hypo	sig	chr2_84294041
chr14	1.01E+08	100884476	+	1.182E-17	2.38334E-16	-0.20341	hypo	sig	chr14_100884476
chr11	31797916	31797916	+	1.183E-17	2.38442E-16	0.206996	hyper	sig	chr11_31797916
chr5	1.73E+08	173233906	+	1.183E-17	2.38473E-16	0.205828	hyper	sig	chr5_173233906
chr22	50281989	50281989	+	1.183E-17	2.38535E-16	-0.20506	hypo	sig	chr22_50281989
chr7	86643934	86643934	+	1.184E-17	2.38708E-16	0.240614	hyper	sig	chr7_86643934
chr16	67165650	67165650	+	1.188E-17	2.3938E-16	0.251993	hyper	sig	chr16_67165650
chr3	1.39E+08	138939775	+	1.189E-17	2.39665E-16	0.205569	hyper	sig	chr3_138939775
chr19	37251991	37251991	+	1.192E-17	2.40147E-16	0.20504	hyper	sig	chr19_37251991
chr14	1.05E+08	104844331	+	1.192E-17	2.40291E-16	0.268915	hyper	sig	chr14_104844331
chr13	77919178	77919178	+	1.193E-17	2.40325E-16	0.23385	hyper	sig	chr13_77919178
chr2	1.76E+08	176084017	+	1.193E-17	2.40411E-16	0.201524	hyper	sig	chr2_176084017
chr4	1.9E+08	190017291	+	1.194E-17	2.40684E-16	0.275414	hyper	sig	chr4_190017291
chr7	1.58E+08	157775587	+	1.196E-17	2.40911E-16	-0.20061	hypo	sig	chr7_157775587
chr14	60507388	60507388	+	1.197E-17	2.41243E-16	0.354266	hyper	sig	chr14_60507388
chr9	1.34E+08	133911333	+	1.2E-17	2.41766E-16	0.235322	hyper	sig	chr9_133911333
chr12	6362078	6362078	+	1.204E-17	2.42608E-16	-0.2232	hypo	sig	chr12_6362078
chr19	687011	687011	+	1.206E-17	2.42873E-16	-0.20104	hypo	sig	chr19_687011
chr6	77466965	77466965	+	1.206E-17	2.42891E-16	0.275216	hyper	sig	chr6_77466965
chr15	25680654	25680654	+	1.207E-17	2.43048E-16	-0.22032	hypo	sig	chr15_25680654
chr1	1287562	1287562	+	1.207E-17	2.43198E-16	-0.22396	hypo	sig	chr1_1287562
chr7	1.3E+08	130490906	+	1.208E-17	2.43273E-16	0.240297	hyper	sig	chr7_130490906
chr17	42670393	42670393	+	1.209E-17	2.4355E-16	0.250207	hyper	sig	chr17_42670393
chr7	1.29E+08	128915607	+	1.209E-17	2.43583E-16	0.210157	hyper	sig	chr7_128915607
chr8	2144985	2144985	+	1.21E-17	2.43651E-16	-0.20405	hypo	sig	chr8_2144985
chr3	56683623	56683623	+	1.216E-17	2.44907E-16	-0.20165	hypo	sig	chr3_56683623
chr3	1.2E+08	119810223	+	1.217E-17	2.45158E-16	0.279735	hyper	sig	chr3_119810223
chr8	52564761	52564761	+	1.218E-17	2.45174E-16	0.202987	hyper	sig	chr8_52564761
chr4	84495729	84495729	+	1.218E-17	2.45228E-16	0.206345	hyper	sig	chr4_84495729
chr6	30953130	30953130	+	1.219E-17	2.45536E-16	-0.24956	hypo	sig	chr6_30953130
chr17	48581625	48581625	+	1.22E-17	2.45718E-16	-0.30905	hypo	sig	chr17_48581625
chr4	1.22E+08	121765517	+	1.223E-17	2.4625E-16	0.218001	hyper	sig	chr4_121765517
chr17	80965336	80965336	+	1.223E-17	2.46314E-16	-0.22642	hypo	sig	chr17_80965336
chr19	34578708	34578708	+	1.223E-17	2.46314E-16	-0.26416	hypo	sig	chr19_34578708
chr22	30080480	30080480	+	1.224E-17	2.46337E-16	0.232184	hyper	sig	chr22_30080480
chr11	1.17E+08	117492142	+	1.225E-17	2.46575E-16	-0.35603	hypo	sig	chr11_117492142
chr14	60506764	60506764	+	1.225E-17	2.46688E-16	0.235064	hyper	sig	chr14_60506764
chr16	86444043	86444043	+	1.226E-17	2.46854E-16	0.24674	hyper	sig	chr16_86444043
chr16	55327670	55327670	+	1.227E-17	2.46933E-16	0.202524	hyper	sig	chr16_55327670
chr7	1296429	1296429	+	1.228E-17	2.47246E-16	-0.23217	hypo	sig	chr7_1296429
chr5	2702396	2702396	+	1.23E-17	2.47502E-16	-0.23901	hypo	sig	chr5_2702396
chr19	33684652	33684652	+	1.231E-17	2.47821E-16	0.206337	hyper	sig	chr19_33684652

chr7	1.49E+08	149415308	+	1.231E-17	2.47821E-16	0.21658	hyper	sig	chr7_149415308
chr13	91395179	91395179	+	1.232E-17	2.47996E-16	-0.26714	hypo	sig	chr13_91395179
chr4	4226474	4226474	+	1.233E-17	2.48158E-16	0.227601	hyper	sig	chr4_4226474
chr20	53583209	53583209	+	1.237E-17	2.48884E-16	-0.21438	hypo	sig	chr20_53583209
chr9	97077392	97077392	+	1.237E-17	2.48902E-16	0.293702	hyper	sig	chr9_97077392
chr12	75209724	75209724	+	1.239E-17	2.4936E-16	0.243141	hyper	sig	chr12_75209724
chr7	1.51E+08	151395278	+	1.24E-17	2.49436E-16	-0.20176	hypo	sig	chr7_151395278
chr17	61495690	61495690	+	1.242E-17	2.49851E-16	-0.21	hypo	sig	chr17_61495690
chr7	32427910	32427910	+	1.243E-17	2.50027E-16	0.25012	hyper	sig	chr7_32427910
chr19	57709259	57709259	+	1.243E-17	2.50125E-16	0.249653	hyper	sig	chr19_57709259
chr7	1.57E+08	157020381	+	1.243E-17	2.50158E-16	0.218307	hyper	sig	chr7_157020381
chr10	7407766	7407766	+	1.244E-17	2.50192E-16	0.251673	hyper	sig	chr10_7407766
chr7	8443923	8443923	+	1.246E-17	2.50727E-16	0.369355	hyper	sig	chr7_8443923
chr22	48499922	48499922	+	1.248E-17	2.51088E-16	-0.25212	hypo	sig	chr22_48499922
chr5	1.56E+08	155728892	+	1.248E-17	2.51133E-16	0.223026	hyper	sig	chr5_155728892
chr13	1.12E+08	112013828	+	1.249E-17	2.51176E-16	-0.2339	hypo	sig	chr13_112013828
chr7	27181364	27181364	+	1.253E-17	2.52071E-16	-0.24368	hypo	sig	chr7_27181364
chr11	1.26E+08	126432057	+	1.254E-17	2.52259E-16	-0.24404	hypo	sig	chr11_126432057
chr3	1.84E+08	184492295	+	1.254E-17	2.52301E-16	0.248225	hyper	sig	chr3_184492295
chr3	4470625	4470625	+	1.255E-17	2.52348E-16	-0.2841	hypo	sig	chr3_4470625
chr13	35475722	35475722	+	1.257E-17	2.52807E-16	0.245057	hyper	sig	chr13_35475722
chr7	99539412	99539412	+	1.257E-17	2.52862E-16	-0.24017	hypo	sig	chr7_99539412
chr1	1.85E+08	185318035	+	1.258E-17	2.52923E-16	-0.21732	hypo	sig	chr1_185318035
chr15	90004829	90004829	+	1.262E-17	2.53787E-16	-0.24955	hypo	sig	chr15_90004829
chr17	79178079	79178079	+	1.263E-17	2.54008E-16	-0.20119	hypo	sig	chr17_79178079
chr6	1.37E+08	137045408	+	1.264E-17	2.54172E-16	-0.22164	hypo	sig	chr6_137045408
chr19	48837232	48837232	+	1.268E-17	2.54871E-16	0.223026	hyper	sig	chr19_48837232
chr7	1.59E+08	159143858	+	1.268E-17	2.54938E-16	0.243554	hyper	sig	chr7_159143858
chr4	1407596	1407596	+	1.271E-17	2.55522E-16	0.267225	hyper	sig	chr4_1407596
chr19	53431523	53431523	+	1.271E-17	2.55529E-16	0.238704	hyper	sig	chr19_53431523
chr10	1.23E+08	122954703	+	1.277E-17	2.56624E-16	0.271663	hyper	sig	chr10_122954703
chr12	1.31E+08	131347422	+	1.279E-17	2.57161E-16	-0.24098	hypo	sig	chr12_131347422
chr1	1.19E+08	118989095	+	1.281E-17	2.5747E-16	0.214937	hyper	sig	chr1_118989095
chr20	21103803	21103803	+	1.281E-17	2.57542E-16	0.21563	hyper	sig	chr20_21103803
chr20	37519246	37519246	+	1.281E-17	2.57544E-16	-0.23292	hypo	sig	chr20_37519246
chr11	2301287	2301287	+	1.282E-17	2.57566E-16	-0.22172	hypo	sig	chr11_2301287
chr7	1.28E+08	128241286	+	1.282E-17	2.57716E-16	0.239003	hyper	sig	chr7_128241286
chr7	4725504	4725504	+	1.286E-17	2.58461E-16	0.210243	hyper	sig	chr7_4725504
chr17	77541443	77541443	+	1.287E-17	2.58671E-16	-0.28726	hypo	sig	chr17_77541443
chr19	3821242	3821242	+	1.289E-17	2.58967E-16	-0.32666	hypo	sig	chr19_3821242
chr19	37817747	37817747	+	1.29E-17	2.59278E-16	0.27208	hyper	sig	chr19_37817747
chr5	1.41E+08	140855993	+	1.292E-17	2.59646E-16	0.202109	hyper	sig	chr5_140855993
chr20	21391842	21391842	+	1.293E-17	2.5987E-16	0.271267	hyper	sig	chr20_21391842
chr19	592158	592158	+	1.296E-17	2.60406E-16	-0.21651	hypo	sig	chr19_592158
chr4	8616112	8616112	+	1.297E-17	2.6051E-16	-0.20902	hypo	sig	chr4_8616112
chr5	77638594	77638594	+	1.297E-17	2.60545E-16	0.290265	hyper	sig	chr5_77638594
chr19	57708794	57708794	+	1.298E-17	2.60722E-16	0.351619	hyper	sig	chr19_57708794
chr1	1.19E+08	118985801	+	1.299E-17	2.60852E-16	0.226225	hyper	sig	chr1_118985801
chr3	50358296	50358296	+	1.3E-17	2.61084E-16	-0.24187	hypo	sig	chr3_50358296
chr6	30111747	30111747	+	1.3E-17	2.61106E-16	-0.23933	hypo	sig	chr6_30111747
chr5	1.14E+08	114058939	+	1.303E-17	2.61679E-16	-0.28831	hypo	sig	chr5_114058939
chr16	51153980	51153980	+	1.304E-17	2.61977E-16	0.266582	hyper	sig	chr16_51153980
chr17	46820146	46820146	+	1.305E-17	2.62059E-16	0.211752	hyper	sig	chr17_46820146
chr10	27999260	27999260	+	1.307E-17	2.62506E-16	0.264674	hyper	sig	chr10_27999260
chr4	624474	624474	+	1.308E-17	2.62728E-16	-0.23191	hypo	sig	chr4_624474
chr6	1.46E+08	146029452	+	1.309E-17	2.6278E-16	0.21148	hyper	sig	chr6_146029452

chr22	19892612	19892612	+	1.31E-17	2.62961E-16	-0.26123	hypo	sig	chr22_19892612
chr6	10389862	10389862	+	1.311E-17	2.63274E-16	0.319621	hyper	sig	chr6_10389862
chr15	60003084	60003084	+	1.313E-17	2.63662E-16	0.244085	hyper	sig	chr15_60003084
chr17	81126400	81126400	+	1.314E-17	2.6391E-16	-0.2055	hypo	sig	chr17_81126400
chr20	24949405	24949405	+	1.318E-17	2.64645E-16	-0.20545	hypo	sig	chr20_24949405
chr1	2.21E+08	220887585	+	1.318E-17	2.64676E-16	0.235408	hyper	sig	chr1_220887585
chr1	1.55E+08	154502764	+	1.323E-17	2.65509E-16	0.294723	hyper	sig	chr1_154502764
chr16	29877437	29877437	+	1.326E-17	2.66187E-16	0.244353	hyper	sig	chr16_29877437
chr5	1.23E+08	123098709	+	1.332E-17	2.6737E-16	0.201304	hyper	sig	chr5_123098709
chr1	1068237	1068237	+	1.332E-17	2.674E-16	-0.25227	hypo	sig	chr1_1068237
chr12	84913373	84913373	+	1.335E-17	2.67888E-16	0.213859	hyper	sig	chr12_84913373
chr13	77918237	77918237	+	1.336E-17	2.68141E-16	0.231153	hyper	sig	chr13_77918237
chr17	79713434	79713434	+	1.338E-17	2.68588E-16	-0.20595	hypo	sig	chr17_79713434
chr9	1.37E+08	136656807	+	1.339E-17	2.68678E-16	-0.22877	hypo	sig	chr9_136656807
chr1	2327872	2327872	+	1.341E-17	2.69057E-16	-0.24652	hypo	sig	chr1_2327872
chr10	69421850	69421850	+	1.341E-17	2.69091E-16	-0.26581	hypo	sig	chr10_69421850
chr3	10142887	10142887	+	1.343E-17	2.69476E-16	-0.22069	hypo	sig	chr3_10142887
chr14	77026621	77026621	+	1.344E-17	2.69749E-16	0.223374	hyper	sig	chr14_77026621
chr11	72082051	72082051	+	1.345E-17	2.69804E-16	-0.28792	hypo	sig	chr11_72082051
chr5	1.35E+08	135063038	+	1.345E-17	2.69853E-16	0.225743	hyper	sig	chr5_135063038
chr7	1.35E+08	134890555	+	1.345E-17	2.69882E-16	-0.21515	hypo	sig	chr7_134890555
chr16	86504616	86504616	+	1.347E-17	2.70211E-16	0.214811	hyper	sig	chr16_86504616
chr19	41995558	41995558	+	1.347E-17	2.70286E-16	-0.278	hypo	sig	chr19_41995558
chr5	1359470	1359470	+	1.349E-17	2.7067E-16	-0.20186	hypo	sig	chr5_1359470
chr4	41744979	41744979	+	1.354E-17	2.71606E-16	0.291321	hyper	sig	chr4_41744979
chr5	55223236	55223236	+	1.357E-17	2.72103E-16	0.261984	hyper	sig	chr5_55223236
chr12	53938108	53938108	+	1.357E-17	2.72176E-16	0.227593	hyper	sig	chr12_53938108
chr5	1.41E+08	141419974	+	1.359E-17	2.72626E-16	0.20165	hyper	sig	chr5_141419974
chr7	44063667	44063667	+	1.361E-17	2.72867E-16	-0.22055	hypo	sig	chr7_44063667
chr14	26204996	26204996	+	1.361E-17	2.72885E-16	0.23671	hyper	sig	chr14_26204996
chr22	18968876	18968876	+	1.361E-17	2.72962E-16	-0.21934	hypo	sig	chr22_18968876
chr10	69104015	69104015	+	1.362E-17	2.73148E-16	-0.2651	hypo	sig	chr10_69104015
chr7	1.5E+08	149714203	+	1.362E-17	2.73191E-16	0.319481	hyper	sig	chr7_149714203
chr10	1.23E+08	123148202	+	1.363E-17	2.73241E-16	0.212003	hyper	sig	chr10_123148202
chr15	95326727	95326727	+	1.363E-17	2.73295E-16	0.232807	hyper	sig	chr15_95326727
chr1	27369252	27369252	+	1.363E-17	2.7333E-16	-0.25112	hypo	sig	chr1_27369252
chr2	2.4E+08	240411059	+	1.365E-17	2.73764E-16	-0.23242	hypo	sig	chr2_240411059
chr11	73958211	73958211	+	1.369E-17	2.74494E-16	-0.23012	hypo	sig	chr11_73958211
chr10	1.32E+08	132116048	+	1.372E-17	2.7494E-16	-0.2001	hypo	sig	chr10_132116048
chr7	64495329	64495329	+	1.374E-17	2.75358E-16	0.228837	hyper	sig	chr7_64495329
chr4	1.56E+08	155758944	+	1.374E-17	2.7536E-16	0.224992	hyper	sig	chr4_155758944
chr16	31568975	31568975	+	1.374E-17	2.7542E-16	0.251471	hyper	sig	chr16_31568975
chr19	12513733	12513733	+	1.374E-17	2.7542E-16	0.24816	hyper	sig	chr19_12513733
chr16	66974308	66974308	+	1.374E-17	2.75438E-16	-0.32825	hypo	sig	chr16_66974308
chr11	30016278	30016278	+	1.375E-17	2.75564E-16	0.271889	hyper	sig	chr11_30016278
chr8	66178033	66178033	+	1.376E-17	2.75714E-16	0.219658	hyper	sig	chr8_66178033
chr1	1.21E+08	121117237	+	1.381E-17	2.76838E-16	0.317031	hyper	sig	chr1_121117237
chr2	31580150	31580150	+	1.382E-17	2.76995E-16	0.284715	hyper	sig	chr2_31580150
chr6	1.67E+08	166949857	+	1.385E-17	2.77479E-16	-0.20942	hypo	sig	chr6_166949857
chr8	64379235	64379235	+	1.385E-17	2.7753E-16	0.218166	hyper	sig	chr8_64379235
chr19	31353243	31353243	+	1.386E-17	2.77643E-16	0.20209	hyper	sig	chr19_31353243
chr16	56340420	56340420	+	1.387E-17	2.7786E-16	-0.22403	hypo	sig	chr16_56340420
chr14	1.04E+08	104342890	+	1.389E-17	2.78211E-16	-0.20986	hypo	sig	chr14_104342890
chr3	1.26E+08	125756166	+	1.39E-17	2.78489E-16	-0.23561	hypo	sig	chr3_125756166
chr2	10307831	10307831	+	1.39E-17	2.78519E-16	-0.27849	hypo	sig	chr2_10307831
chr1	2333175	2333175	+	1.392E-17	2.78825E-16	-0.20032	hypo	sig	chr1_2333175

chr5	1.41E+08	140856019	+	1.392E-17	2.78825E-16	0.216685	hyper	sig	chr5_140856019
chr10	23694617	23694617	+	1.393E-17	2.79063E-16	0.267524	hyper	sig	chr10_23694617
chr19	7732145	7732145	+	1.394E-17	2.79229E-16	-0.25087	hypo	sig	chr19_7732145
chr1	2.21E+08	220884310	+	1.395E-17	2.7937E-16	0.222805	hyper	sig	chr1_220884310
chr7	1.3E+08	130490945	+	1.396E-17	2.79515E-16	0.264596	hyper	sig	chr7_130490945
chr16	57529538	57529538	+	1.398E-17	2.79892E-16	-0.20954	hypo	sig	chr16_57529538
chr6	28988597	28988597	+	1.398E-17	2.79942E-16	0.201955	hyper	sig	chr6_28988597
chr2	1.21E+08	120654444	+	1.403E-17	2.80938E-16	0.330724	hyper	sig	chr2_120654444
chr2	29920097	29920097	+	1.403E-17	2.80979E-16	0.306122	hyper	sig	chr2_29920097
chr16	86495361	86495361	+	1.403E-17	2.81E-16	0.240159	hyper	sig	chr16_86495361
chr7	1.04E+08	103990579	+	1.403E-17	2.81E-16	0.2253	hyper	sig	chr7_103990579
chr5	23691266	23691266	+	1.406E-17	2.81425E-16	-0.30536	hypo	sig	chr5_23691266
chr5	1.41E+08	141433049	+	1.406E-17	2.8145E-16	0.213968	hyper	sig	chr5_141433049
chr16	29156755	29156755	+	1.411E-17	2.82459E-16	-0.23327	hypo	sig	chr16_29156755
chr8	1.44E+08	143718831	+	1.412E-17	2.8272E-16	-0.22104	hypo	sig	chr8_143718831
chr5	1.41E+08	141415551	+	1.414E-17	2.83013E-16	0.240122	hyper	sig	chr5_141415551
chr15	25863607	25863607	+	1.416E-17	2.83423E-16	0.203465	hyper	sig	chr15_25863607
chr4	1.83E+08	182801817	+	1.418E-17	2.83786E-16	-0.21405	hypo	sig	chr4_182801817
chr16	55332092	55332092	+	1.421E-17	2.84317E-16	0.236423	hyper	sig	chr16_55332092
chr10	1.33E+08	133226561	+	1.43E-17	2.86248E-16	-0.20286	hypo	sig	chr10_133226561
chr21	26967638	26967638	+	1.431E-17	2.86378E-16	0.234191	hyper	sig	chr21_26967638
chr5	1.41E+08	140856496	+	1.432E-17	2.86648E-16	0.222237	hyper	sig	chr5_140856496
chr22	45162562	45162562	+	1.433E-17	2.86665E-16	-0.29556	hypo	sig	chr22_45162562
chr8	1.43E+08	143221247	+	1.433E-17	2.8668E-16	0.242555	hyper	sig	chr8_143221247
chr2	9820586	9820586	+	1.435E-17	2.87173E-16	-0.21176	hypo	sig	chr2_9820586
chr6	98825292	98825292	+	1.436E-17	2.87354E-16	0.208433	hyper	sig	chr6_98825292
chr16	85256521	85256521	+	1.437E-17	2.87445E-16	-0.22153	hypo	sig	chr16_85256521
chr13	57629578	57629578	+	1.438E-17	2.87769E-16	0.28045	hyper	sig	chr13_57629578
chr5	32712987	32712987	+	1.442E-17	2.8849E-16	0.237449	hyper	sig	chr5_32712987
chr11	1401121	1401121	+	1.442E-17	2.88553E-16	-0.20261	hypo	sig	chr11_1401121
chr5	42994045	42994045	+	1.443E-17	2.88691E-16	0.242169	hyper	sig	chr5_42994045
chr10	49612232	49612232	+	1.444E-17	2.88753E-16	0.256174	hyper	sig	chr10_49612232
chr7	3181530	3181530	+	1.444E-17	2.88821E-16	-0.20315	hypo	sig	chr7_3181530
chr3	27728687	27728687	+	1.448E-17	2.89622E-16	0.226534	hyper	sig	chr3_27728687
chr2	2.38E+08	238125578	+	1.451E-17	2.90076E-16	-0.23767	hypo	sig	chr2_238125578
chr11	30017469	30017469	+	1.453E-17	2.90612E-16	0.30416	hyper	sig	chr11_30017469
chr1	2.29E+08	229432685	+	1.458E-17	2.91482E-16	0.243977	hyper	sig	chr1_229432685
chr9	10613442	10613442	+	1.458E-17	2.91507E-16	0.285402	hyper	sig	chr9_10613442
chr11	32428581	32428581	+	1.458E-17	2.91599E-16	0.231309	hyper	sig	chr11_32428581
chr18	26551352	26551352	+	1.46E-17	2.91816E-16	0.218557	hyper	sig	chr18_26551352
chr16	87687150	87687150	+	1.462E-17	2.92213E-16	-0.23749	hypo	sig	chr16_87687150
chr20	708656	708656	+	1.465E-17	2.92814E-16	-0.24091	hypo	sig	chr20_708656
chr15	25210876	25210876	+	1.466E-17	2.93121E-16	-0.20424	hypo	sig	chr15_25210876
chr4	41873541	41873541	+	1.474E-17	2.94629E-16	0.31643	hyper	sig	chr4_41873541
chr1	50425606	50425606	+	1.476E-17	2.94957E-16	0.228877	hyper	sig	chr1_50425606
chr19	16283678	16283678	+	1.478E-17	2.95443E-16	0.21056	hyper	sig	chr19_16283678
chr2	70141596	70141596	+	1.481E-17	2.95903E-16	-0.26394	hypo	sig	chr2_70141596
chr21	37567094	37567094	+	1.489E-17	2.975E-16	-0.2407	hypo	sig	chr21_37567094
chr2	1.54E+08	153871394	+	1.489E-17	2.97543E-16	0.270285	hyper	sig	chr2_153871394
chr10	1.33E+08	132943564	+	1.49E-17	2.97739E-16	-0.26563	hypo	sig	chr10_132943564
chr19	37551160	37551160	+	1.492E-17	2.98102E-16	0.229212	hyper	sig	chr19_37551160
chr5	1.75E+08	175443843	+	1.494E-17	2.98495E-16	0.288552	hyper	sig	chr5_175443843
chr14	60486203	60486203	+	1.496E-17	2.98836E-16	0.256799	hyper	sig	chr14_60486203
chr22	24774371	24774371	+	1.497E-17	2.98978E-16	-0.29465	hypo	sig	chr22_24774371
chr5	674468	674468	+	1.497E-17	2.99077E-16	-0.2175	hypo	sig	chr5_674468
chr11	2301444	2301444	+	1.498E-17	2.99167E-16	-0.23868	hypo	sig	chr11_2301444

chr8	1.01E+08	100860272	+	1.503E-17	3.00079E-16	-0.22089	hypo	sig	chr8_100860272
chr1	98044794	98044794	+	1.505E-17	3.00514E-16	0.281119	hyper	sig	chr1_98044794
chr10	1.01E+08	100659452	+	1.508E-17	3.0112E-16	0.308779	hyper	sig	chr10_100659452
chr6	45642576	45642576	+	1.51E-17	3.0146E-16	-0.20066	hypo	sig	chr6_45642576
chr4	7665843	7665843	+	1.513E-17	3.02078E-16	-0.25194	hypo	sig	chr4_7665843
chr14	20510651	20510651	+	1.513E-17	3.02166E-16	-0.22855	hypo	sig	chr14_20510651
chr12	6555776	6555776	+	1.518E-17	3.0308E-16	0.287353	hyper	sig	chr12_6555776
chr10	70283801	70283801	+	1.521E-17	3.03634E-16	0.297932	hyper	sig	chr10_70283801
chr17	1137589	1137589	+	1.522E-17	3.03887E-16	-0.24413	hypo	sig	chr17_1137589
chr19	1956035	1956035	+	1.53E-17	3.05338E-16	0.271717	hyper	sig	chr19_1956035
chr1	2.14E+08	213980119	+	1.53E-17	3.05459E-16	0.219468	hyper	sig	chr1_213980119
chr2	1.2E+08	119523985	+	1.53E-17	3.05459E-16	0.329175	hyper	sig	chr2_119523985
chr15	92393146	92393146	+	1.532E-17	3.05756E-16	0.286713	hyper	sig	chr15_92393146
chr19	11674242	11674242	+	1.534E-17	3.06058E-16	0.210257	hyper	sig	chr19_11674242
chr7	561676	561676	+	1.534E-17	3.06072E-16	0.219331	hyper	sig	chr7_561676
chr5	76716798	76716798	+	1.535E-17	3.0639E-16	0.236401	hyper	sig	chr5_76716798
chr15	93089667	93089667	+	1.54E-17	3.07305E-16	0.258635	hyper	sig	chr15_93089667
chr7	56229945	56229945	+	1.541E-17	3.07459E-16	0.21981	hyper	sig	chr7_56229945
chr8	1.44E+08	143941015	+	1.541E-17	3.07515E-16	-0.2031	hypo	sig	chr8_143941015
chr1	1.71E+08	170661203	+	1.543E-17	3.07852E-16	0.266137	hyper	sig	chr1_170661203
chr3	1.96E+08	195874266	+	1.543E-17	3.07852E-16	-0.20598	hypo	sig	chr3_195874266
chr6	1.34E+08	134176368	+	1.546E-17	3.08442E-16	0.23712	hyper	sig	chr6_134176368
chr13	1.12E+08	112063391	+	1.547E-17	3.08591E-16	0.203229	hyper	sig	chr13_112063391
chr11	49561435	49561435	+	1.547E-17	3.08719E-16	0.284869	hyper	sig	chr11_49561435
chr1	2.29E+08	229432613	+	1.548E-17	3.08798E-16	0.258958	hyper	sig	chr1_229432613
chr5	59893867	59893867	+	1.549E-17	3.09015E-16	0.2108	hyper	sig	chr5_59893867
chr14	20625614	20625614	+	1.549E-17	3.0904E-16	0.253016	hyper	sig	chr14_20625614
chr1	3122495	3122495	+	1.55E-17	3.09225E-16	-0.22761	hypo	sig	chr1_3122495
chr2	3780702	3780702	+	1.551E-17	3.09355E-16	0.269328	hyper	sig	chr2_3780702
chr9	1.36E+08	136343450	+	1.553E-17	3.09712E-16	-0.21363	hypo	sig	chr9_136343450
chr13	48319687	48319687	+	1.554E-17	3.09922E-16	0.255236	hyper	sig	chr13_48319687
chr4	1.82E+08	182141610	+	1.555E-17	3.1013E-16	0.20607	hyper	sig	chr4_182141610
chr20	21511129	21511129	+	1.555E-17	3.10197E-16	0.225375	hyper	sig	chr20_21511129
chr1	10672038	10672038	+	1.556E-17	3.10387E-16	0.232883	hyper	sig	chr1_10672038
chr6	27495581	27495581	+	1.557E-17	3.10477E-16	0.236229	hyper	sig	chr6_27495581
chr1	57422793	57422793	+	1.562E-17	3.11391E-16	0.313959	hyper	sig	chr1_57422793
chr16	30006149	30006149	+	1.562E-17	3.11555E-16	-0.20534	hypo	sig	chr16_30006149
chr19	33684650	33684650	+	1.564E-17	3.11762E-16	0.20698	hyper	sig	chr19_33684650
chr3	1.72E+08	172449105	+	1.566E-17	3.12237E-16	0.216238	hyper	sig	chr3_172449105
chr8	41310141	41310141	+	1.566E-17	3.12237E-16	0.237632	hyper	sig	chr8_41310141
chr2	63057689	63057689	+	1.573E-17	3.13528E-16	0.239512	hyper	sig	chr2_63057689
chr1	47450222	47450222	+	1.575E-17	3.13964E-16	-0.20084	hypo	sig	chr1_47450222
chr10	69569350	69569350	+	1.575E-17	3.14054E-16	0.313289	hyper	sig	chr10_69569350
chr6	1E+08	100458765	+	1.576E-17	3.14064E-16	0.228027	hyper	sig	chr6_100458765
chr11	31824007	31824007	+	1.578E-17	3.14545E-16	0.2871	hyper	sig	chr11_31824007
chr3	1.84E+08	184384650	+	1.579E-17	3.14779E-16	-0.21758	hypo	sig	chr3_184384650
chr5	1.41E+08	141370499	+	1.583E-17	3.15462E-16	0.29775	hyper	sig	chr5_141370499
chr10	1.3E+08	129966155	+	1.583E-17	3.15511E-16	0.222922	hyper	sig	chr10_129966155
chr2	1E+08	100106758	+	1.584E-17	3.15665E-16	-0.27308	hypo	sig	chr2_100106758
chr13	1.02E+08	102394964	+	1.584E-17	3.15669E-16	0.204979	hyper	sig	chr13_102394964
chr6	1.08E+08	108167198	+	1.584E-17	3.15669E-16	0.224505	hyper	sig	chr6_108167198
chr6	1.46E+08	146027740	+	1.588E-17	3.16447E-16	0.225412	hyper	sig	chr6_146027740
chr1	1.11E+08	111271536	+	1.588E-17	3.16492E-16	0.223484	hyper	sig	chr1_111271536
chr13	52849897	52849897	+	1.589E-17	3.16576E-16	0.216845	hyper	sig	chr13_52849897
chr12	85279462	85279462	+	1.592E-17	3.17291E-16	0.244724	hyper	sig	chr12_85279462
chr1	15101741	15101741	+	1.593E-17	3.17457E-16	-0.23205	hypo	sig	chr1_15101741

chr20	38435899	38435899	+	1.594E-17	3.17673E-16	-0.26696	hypo	sig	chr20_38435899
chr15	67820667	67820667	+	1.595E-17	3.17759E-16	0.298485	hyper	sig	chr15_67820667
chr9	1.34E+08	133609586	+	1.595E-17	3.17759E-16	0.203084	hyper	sig	chr9_133609586
chr10	49397112	49397112	+	1.602E-17	3.19074E-16	0.236227	hyper	sig	chr10_49397112
chr9	1051482	1051482	+	1.606E-17	3.20012E-16	0.213122	hyper	sig	chr9_1051482
chr5	1.7E+08	169636926	+	1.61E-17	3.20779E-16	0.208327	hyper	sig	chr5_169636926
chr3	44021823	44021823	+	1.611E-17	3.20968E-16	0.207596	hyper	sig	chr3_44021823
chr13	1.11E+08	111402600	+	1.614E-17	3.21388E-16	-0.21585	hypo	sig	chr13_111402600
chr15	29123356	29123356	+	1.614E-17	3.21458E-16	0.242047	hyper	sig	chr15_29123356
chr3	1.33E+08	133038198	+	1.616E-17	3.21812E-16	0.233493	hyper	sig	chr3_133038198
chr10	1.17E+08	117132702	+	1.62E-17	3.22472E-16	0.250665	hyper	sig	chr10_117132702
chr17	6424281	6424281	+	1.62E-17	3.22647E-16	-0.23819	hypo	sig	chr17_6424281
chr16	79589732	79589732	+	1.621E-17	3.22681E-16	0.212366	hyper	sig	chr16_79589732
chr4	5710825	5710825	+	1.621E-17	3.22681E-16	0.353102	hyper	sig	chr4_5710825
chr1	47440528	47440528	+	1.622E-17	3.22834E-16	0.292969	hyper	sig	chr1_47440528
chr12	53960420	53960420	+	1.622E-17	3.22876E-16	0.203096	hyper	sig	chr12_53960420
chr4	7983572	7983572	+	1.624E-17	3.2322E-16	0.233072	hyper	sig	chr4_7983572
chr20	21706806	21706806	+	1.624E-17	3.23287E-16	0.230491	hyper	sig	chr20_21706806
chr7	23490733	23490733	+	1.626E-17	3.23598E-16	0.218156	hyper	sig	chr7_23490733
chr19	48444313	48444313	+	1.636E-17	3.25712E-16	0.27941	hyper	sig	chr19_48444313
chr4	1.04E+08	103719989	+	1.64E-17	3.26483E-16	0.213589	hyper	sig	chr4_103719989
chr19	35558473	35558473	+	1.643E-17	3.26947E-16	0.205475	hyper	sig	chr19_35558473
chr8	1E+08	100106297	+	1.643E-17	3.26947E-16	0.245079	hyper	sig	chr8_100106297
chr13	36155003	36155003	+	1.645E-17	3.27399E-16	0.220084	hyper	sig	chr13_36155003
chr16	51153958	51153958	+	1.646E-17	3.27543E-16	0.245056	hyper	sig	chr16_51153958
chr7	72970674	72970674	+	1.649E-17	3.28048E-16	-0.24122	hypo	sig	chr7_72970674
chr15	74368034	74368034	+	1.649E-17	3.28138E-16	-0.20457	hypo	sig	chr15_74368034
chr20	46016441	46016441	+	1.651E-17	3.28441E-16	-0.22956	hypo	sig	chr20_46016441
chr10	1.32E+08	132296718	+	1.656E-17	3.29483E-16	-0.25085	hypo	sig	chr10_132296718
chr19	12194741	12194741	+	1.658E-17	3.29837E-16	0.228384	hyper	sig	chr19_12194741
chr2	11634820	11634820	+	1.66E-17	3.30181E-16	-0.26758	hypo	sig	chr2_11634820
chr11	20596433	20596433	+	1.66E-17	3.30242E-16	0.224063	hyper	sig	chr11_20596433
chr8	1.44E+08	143564769	+	1.662E-17	3.30537E-16	-0.21109	hypo	sig	chr8_143564769
chr18	57441575	57441575	+	1.663E-17	3.30853E-16	0.25186	hyper	sig	chr18_57441575
chr17	36940658	36940658	+	1.664E-17	3.30935E-16	0.261667	hyper	sig	chr17_36940658
chr7	63926698	63926698	+	1.665E-17	3.31091E-16	0.210454	hyper	sig	chr7_63926698
chr16	86931669	86931669	+	1.668E-17	3.31786E-16	-0.2031	hypo	sig	chr16_86931669
chr9	1.22E+08	122220543	+	1.67E-17	3.32164E-16	0.21936	hyper	sig	chr9_122220543
chr16	88816679	88816679	+	1.672E-17	3.32426E-16	-0.21173	hypo	sig	chr16_88816679
chr7	96997840	96997840	+	1.672E-17	3.32472E-16	0.222745	hyper	sig	chr7_96997840
chr13	52848736	52848736	+	1.676E-17	3.33205E-16	0.206703	hyper	sig	chr13_52848736
chr8	1.44E+08	143899479	+	1.676E-17	3.33313E-16	-0.30675	hypo	sig	chr8_143899479
chr14	26205007	26205007	+	1.676E-17	3.33352E-16	0.249975	hyper	sig	chr14_26205007
chr6	32754727	32754727	+	1.676E-17	3.33352E-16	-0.26626	hypo	sig	chr6_32754727
chr12	62192459	62192459	+	1.677E-17	3.33397E-16	0.322077	hyper	sig	chr12_62192459
chr12	1.31E+08	131474688	+	1.68E-17	3.33956E-16	-0.20531	hypo	sig	chr12_131474688
chr4	8251696	8251696	+	1.682E-17	3.34426E-16	-0.21935	hypo	sig	chr4_8251696
chr5	1.79E+08	178524853	+	1.682E-17	3.34443E-16	-0.2832	hypo	sig	chr5_178524853
chr17	16664196	16664196	+	1.684E-17	3.34698E-16	-0.27172	hypo	sig	chr17_16664196
chr8	70070641	70070641	+	1.686E-17	3.35082E-16	0.263339	hyper	sig	chr8_70070641
chr19	345338	345338	+	1.688E-17	3.35453E-16	0.226624	hyper	sig	chr19_345338
chr10	1.01E+08	100519577	+	1.689E-17	3.35682E-16	0.318038	hyper	sig	chr10_100519577
chr10	1.33E+08	133215201	+	1.693E-17	3.36422E-16	-0.22859	hypo	sig	chr10_133215201
chr1	90725380	90725380	+	1.697E-17	3.3722E-16	0.206277	hyper	sig	chr1_90725380
chr19	33270307	33270307	+	1.699E-17	3.3758E-16	-0.2438	hypo	sig	chr19_33270307
chr8	1.43E+08	142564220	+	1.699E-17	3.3771E-16	-0.21672	hypo	sig	chr8_142564220

chr3	32817850	32817850	+	1.705E-17	3.387E-16	0.215686	hyper	sig	chr3_32817850
chr2	1.7E+08	170462652	+	1.705E-17	3.38857E-16	-0.28408	hypo	sig	chr2_170462652
chr10	1.33E+08	133047520	+	1.71E-17	3.39741E-16	-0.24656	hypo	sig	chr10_133047520
chr16	49635953	49635953	+	1.719E-17	3.41422E-16	-0.20186	hypo	sig	chr16_49635953
chr1	2327877	2327877	+	1.72E-17	3.41576E-16	-0.20049	hypo	sig	chr1_2327877
chr8	1.44E+08	144336130	+	1.723E-17	3.42312E-16	0.221396	hyper	sig	chr8_144336130
chr3	5096050	5096050	+	1.724E-17	3.42395E-16	0.262778	hyper	sig	chr3_5096050
chr6	32832814	32832814	+	1.725E-17	3.4251E-16	-0.2083	hypo	sig	chr6_32832814
chr1	2.37E+08	237043182	+	1.725E-17	3.42519E-16	0.264788	hyper	sig	chr1_237043182
chr15	83283014	83283014	+	1.727E-17	3.42884E-16	0.22449	hyper	sig	chr15_83283014
chr3	1.96E+08	196211169	+	1.736E-17	3.44712E-16	-0.22679	hypo	sig	chr3_196211169
chr1	1287552	1287552	+	1.736E-17	3.44767E-16	-0.21104	hypo	sig	chr1_1287552
chr11	2166998	2166998	+	1.738E-17	3.45032E-16	-0.21624	hypo	sig	chr11_2166998
chr16	1096399	1096399	+	1.74E-17	3.4558E-16	-0.24993	hypo	sig	chr16_1096399
chr20	21706815	21706815	+	1.741E-17	3.45724E-16	0.240268	hyper	sig	chr20_21706815
chr6	1.68E+08	168035620	+	1.742E-17	3.45848E-16	-0.26673	hypo	sig	chr6_168035620
chr11	1354100	1354100	+	1.745E-17	3.46505E-16	-0.24334	hypo	sig	chr11_1354100
chr2	2.4E+08	239736831	+	1.747E-17	3.46801E-16	-0.22438	hypo	sig	chr2_239736831
chr12	1.32E+08	132198156	+	1.747E-17	3.46891E-16	0.215352	hyper	sig	chr12_132198156
chr1	1.57E+08	156647066	+	1.75E-17	3.47444E-16	0.222519	hyper	sig	chr1_156647066
chr13	1.1E+08	109782135	+	1.75E-17	3.47452E-16	-0.32904	hypo	sig	chr13_109782135
chr6	30953059	30953059	+	1.752E-17	3.47803E-16	-0.21554	hypo	sig	chr6_30953059
chr19	54277202	54277202	+	1.753E-17	3.48005E-16	-0.26107	hypo	sig	chr19_54277202
chr1	9715789	9715789	+	1.763E-17	3.49847E-16	-0.21741	hypo	sig	chr1_9715789
chr19	6113918	6113918	+	1.772E-17	3.51531E-16	-0.40607	hypo	sig	chr19_6113918
chr10	68562130	68562130	+	1.772E-17	3.51655E-16	0.241896	hyper	sig	chr10_68562130
chr12	40106817	40106817	+	1.773E-17	3.51799E-16	-0.33846	hypo	sig	chr12_40106817
chr20	35174876	35174876	+	1.776E-17	3.52299E-16	-0.25631	hypo	sig	chr20_35174876
chr9	1.35E+08	134879660	+	1.78E-17	3.53175E-16	-0.22914	hypo	sig	chr9_134879660
chr13	67773176	67773176	+	1.783E-17	3.53743E-16	-0.2473	hypo	sig	chr13_67773176
chr2	12719031	12719031	+	1.783E-17	3.5377E-16	0.251189	hyper	sig	chr2_12719031
chr6	99993504	99993504	+	1.784E-17	3.53954E-16	0.220877	hyper	sig	chr6_99993504
chr5	1.16E+08	115962349	+	1.785E-17	3.53995E-16	0.324362	hyper	sig	chr5_115962349
chr7	1211557	1211557	+	1.785E-17	3.54E-16	-0.26173	hypo	sig	chr7_1211557
chr3	1.33E+08	133038869	+	1.787E-17	3.54447E-16	0.224762	hyper	sig	chr3_133038869
chr3	1.27E+08	126682332	+	1.798E-17	3.56656E-16	-0.23307	hypo	sig	chr3_126682332
chr8	41309779	41309779	+	1.801E-17	3.57159E-16	0.262483	hyper	sig	chr8_41309779
chr19	19860895	19860895	+	1.802E-17	3.57322E-16	0.245527	hyper	sig	chr19_19860895
chr15	88605079	88605079	+	1.802E-17	3.57408E-16	0.243872	hyper	sig	chr15_88605079
chr1	8343712	8343712	+	1.804E-17	3.57682E-16	-0.20803	hypo	sig	chr1_8343712
chr4	1.04E+08	103720074	+	1.806E-17	3.58165E-16	0.223665	hyper	sig	chr4_103720074
chr22	43397633	43397633	+	1.807E-17	3.58318E-16	-0.23187	hypo	sig	chr22_43397633
chr9	1.36E+08	135778904	+	1.812E-17	3.59232E-16	-0.22832	hypo	sig	chr9_135778904
chr7	2665629	2665629	+	1.812E-17	3.59263E-16	-0.22474	hypo	sig	chr7_2665629
chr7	1158886	1158886	+	1.817E-17	3.60274E-16	-0.2933	hypo	sig	chr7_1158886
chr10	42242754	42242754	+	1.818E-17	3.60487E-16	0.279489	hyper	sig	chr10_42242754
chr14	26205020	26205020	+	1.822E-17	3.61231E-16	0.253385	hyper	sig	chr14_26205020
chr4	1.9E+08	190019052	+	1.823E-17	3.61282E-16	0.213419	hyper	sig	chr4_190019052
chr7	1.58E+08	157521662	+	1.824E-17	3.61497E-16	-0.20066	hypo	sig	chr7_157521662
chr17	6714219	6714219	+	1.827E-17	3.62017E-16	0.249707	hyper	sig	chr17_6714219
chr11	2869475	2869475	+	1.828E-17	3.62243E-16	0.208162	hyper	sig	chr11_2869475
chr6	84773317	84773317	+	1.833E-17	3.63284E-16	0.235826	hyper	sig	chr6_84773317
chr16	58265249	58265249	+	1.836E-17	3.6374E-16	-0.24858	hypo	sig	chr16_58265249
chr16	29222996	29222996	+	1.836E-17	3.6389E-16	-0.20891	hypo	sig	chr16_29222996
chr7	19119153	19119153	+	1.837E-17	3.64089E-16	0.232351	hyper	sig	chr7_19119153
chr13	91402983	91402983	+	1.839E-17	3.64368E-16	-0.2921	hypo	sig	chr13_91402983

chr3	10995667	10995667	+	1.839E-17	3.64389E-16	-0.22246	hypo	sig	chr3_10995667
chr10	1.33E+08	133143266	+	1.843E-17	3.65014E-16	-0.22474	hypo	sig	chr10_133143266
chr5	88695562	88695562	+	1.843E-17	3.65033E-16	0.306281	hyper	sig	chr5_88695562
chr8	1.08E+08	108082087	+	1.843E-17	3.65145E-16	0.295894	hyper	sig	chr8_108082087
chr4	41881152	41881152	+	1.844E-17	3.65204E-16	0.239527	hyper	sig	chr4_41881152
chr2	62232201	62232201	+	1.848E-17	3.65981E-16	-0.23294	hypo	sig	chr2_62232201
chr3	1.23E+08	122913992	+	1.848E-17	3.66091E-16	-0.26939	hypo	sig	chr3_122913992
chr12	1.14E+08	114407402	+	1.852E-17	3.66714E-16	0.23026	hyper	sig	chr12_114407402
chr5	1.79E+08	178577073	+	1.855E-17	3.67387E-16	0.250386	hyper	sig	chr5_178577073
chr7	35254870	35254870	+	1.855E-17	3.67417E-16	0.250941	hyper	sig	chr7_35254870
chr12	57628131	57628131	+	1.864E-17	3.69E-16	0.24447	hyper	sig	chr12_57628131
chr8	1.04E+08	104466455	+	1.869E-17	3.70081E-16	0.281093	hyper	sig	chr8_104466455
chr10	1.33E+08	133024630	+	1.871E-17	3.70353E-16	-0.21384	hypo	sig	chr10_133024630
chr22	49930460	49930460	+	1.871E-17	3.70488E-16	-0.22257	hypo	sig	chr22_49930460
chr7	1.58E+08	157668009	+	1.875E-17	3.71282E-16	-0.21772	hypo	sig	chr7_157668009
chr2	47566194	47566194	+	1.883E-17	3.727E-16	-0.23065	hypo	sig	chr2_47566194
chr5	1.4E+08	140345645	+	1.887E-17	3.73469E-16	-0.2684	hypo	sig	chr5_140345645
chr16	88937287	88937287	+	1.897E-17	3.75525E-16	-0.20706	hypo	sig	chr16_88937287
chr1	90725398	90725398	+	1.898E-17	3.75656E-16	0.211771	hyper	sig	chr1_90725398
chr9	1.37E+08	137243153	+	1.898E-17	3.75668E-16	-0.24165	hypo	sig	chr9_137243153
chr1	1.11E+08	111271549	+	1.899E-17	3.75868E-16	0.215815	hyper	sig	chr1_111271549
chr1	1.81E+08	181318701	+	1.902E-17	3.76499E-16	0.248146	hyper	sig	chr1_181318701
chr1	1.45E+08	144551211	+	1.904E-17	3.76849E-16	0.235862	hyper	sig	chr1_144551211
chr19	19860965	19860965	+	1.904E-17	3.76868E-16	0.212528	hyper	sig	chr19_19860965
chr3	1.19E+08	119462046	+	1.906E-17	3.77228E-16	-0.2468	hypo	sig	chr3_119462046
chr20	21397899	21397899	+	1.907E-17	3.77357E-16	0.342163	hyper	sig	chr20_21397899
chr6	1.08E+08	108119749	+	1.908E-17	3.77644E-16	0.313419	hyper	sig	chr6_108119749
chr5	45696446	45696446	+	1.909E-17	3.77757E-16	0.266461	hyper	sig	chr5_45696446
chr5	1.29E+08	128538935	+	1.911E-17	3.78182E-16	0.22085	hyper	sig	chr5_128538935
chr8	1E+08	100105858	+	1.914E-17	3.78658E-16	0.257501	hyper	sig	chr8_100105858
chr1	1.44E+08	143661712	+	1.914E-17	3.78709E-16	0.271628	hyper	sig	chr1_143661712
chr20	62470731	62470731	+	1.916E-17	3.79076E-16	-0.20328	hypo	sig	chr20_62470731
chr7	8443277	8443277	+	1.917E-17	3.7927E-16	0.335448	hyper	sig	chr7_8443277
chr16	1163746	1163746	+	1.918E-17	3.79376E-16	-0.22667	hypo	sig	chr16_1163746
chr5	6580163	6580163	+	1.921E-17	3.79911E-16	-0.29271	hypo	sig	chr5_6580163
chr5	1.41E+08	141150122	+	1.921E-17	3.80045E-16	0.220096	hyper	sig	chr5_141150122
chr2	20671356	20671356	+	1.924E-17	3.80534E-16	0.262551	hyper	sig	chr2_20671356
chr1	1.54E+08	153568152	+	1.928E-17	3.81297E-16	-0.43855	hypo	sig	chr1_153568152
chr21	45303284	45303284	+	1.929E-17	3.81505E-16	-0.20602	hypo	sig	chr21_45303284
chr20	62740258	62740258	+	1.93E-17	3.81603E-16	-0.2501	hypo	sig	chr20_62740258
chr5	38845689	38845689	+	1.93E-17	3.81699E-16	0.223259	hyper	sig	chr5_38845689
chr2	1.29E+08	128902156	+	1.933E-17	3.82239E-16	0.212929	hyper	sig	chr2_128902156
chr7	1.01E+08	101299823	+	1.934E-17	3.82428E-16	0.279435	hyper	sig	chr7_101299823
chr7	1.56E+08	155795866	+	1.934E-17	3.82512E-16	-0.2054	hypo	sig	chr7_155795866
chr10	23200875	23200875	+	1.937E-17	3.83084E-16	0.242848	hyper	sig	chr10_23200875
chr10	1212044	1212044	+	1.938E-17	3.83257E-16	-0.27589	hypo	sig	chr10_1212044
chr15	24773298	24773298	+	1.939E-17	3.83305E-16	0.248797	hyper	sig	chr15_24773298
chr6	1.46E+08	146434505	+	1.94E-17	3.83531E-16	0.250014	hyper	sig	chr6_146434505
chr4	1.72E+08	171813710	+	1.942E-17	3.84005E-16	0.269117	hyper	sig	chr4_171813710
chr2	98346509	98346509	+	1.944E-17	3.8424E-16	0.250039	hyper	sig	chr2_98346509
chr11	3435251	3435251	+	1.946E-17	3.84705E-16	-0.28871	hypo	sig	chr11_3435251
chr7	1.38E+08	137844170	+	1.947E-17	3.84917E-16	-0.23873	hypo	sig	chr7_137844170
chr1	50416362	50416362	+	1.947E-17	3.8493E-16	0.30636	hyper	sig	chr1_50416362
chr3	1.43E+08	143121440	+	1.948E-17	3.84979E-16	0.244185	hyper	sig	chr3_143121440
chr5	88672726	88672726	+	1.948E-17	3.84979E-16	0.237494	hyper	sig	chr5_88672726
chr17	79390376	79390376	+	1.95E-17	3.85384E-16	-0.23376	hypo	sig	chr17_79390376

chr2	1.81E+08	181456691	+	1.95E-17	3.85484E-16	0.257167	hyper	sig	chr2_181456691
chr5	1.77E+08	177301594	+	1.957E-17	3.86809E-16	-0.21817	hypo	sig	chr5_177301594
chr8	64576126	64576126	+	1.966E-17	3.88541E-16	0.250404	hyper	sig	chr8_64576126
chr1	2170679	2170679	+	1.97E-17	3.8931E-16	-0.25292	hypo	sig	chr1_2170679
chr1	90725334	90725334	+	1.971E-17	3.89508E-16	0.219964	hyper	sig	chr1_90725334
chr1	1758117	1758117	+	1.971E-17	3.89516E-16	-0.20365	hypo	sig	chr1_1758117
chr3	1.47E+08	147397289	+	1.975E-17	3.902E-16	0.217807	hyper	sig	chr3_147397289
chr17	7418792	7418792	+	1.975E-17	3.9022E-16	-0.25838	hypo	sig	chr17_7418792
chr16	87603633	87603633	+	1.978E-17	3.90738E-16	0.219844	hyper	sig	chr16_87603633
chr11	20207990	20207990	+	1.98E-17	3.91137E-16	0.234238	hyper	sig	chr11_20207990
chr20	62474898	62474898	+	1.985E-17	3.9213E-16	0.207324	hyper	sig	chr20_62474898
chr4	912062	912062	+	1.989E-17	3.92841E-16	-0.23815	hypo	sig	chr4_912062
chr14	28775009	28775009	+	1.99E-17	3.93058E-16	0.225118	hyper	sig	chr14_28775009
chr2	89611909	89611909	+	1.991E-17	3.93317E-16	0.212506	hyper	sig	chr2_89611909
chr6	27505884	27505884	+	1.992E-17	3.93558E-16	0.21878	hyper	sig	chr6_27505884
chr5	73444890	73444890	+	1.995E-17	3.93981E-16	0.214317	hyper	sig	chr5_73444890
chr19	58009644	58009644	+	1.996E-17	3.94243E-16	0.224244	hyper	sig	chr19_58009644
chr10	1.33E+08	133233829	+	2E-17	3.94977E-16	-0.20681	hypo	sig	chr10_133233829
chr1	26410884	26410884	+	2.001E-17	3.95093E-16	0.223223	hyper	sig	chr1_26410884
chr14	76352489	76352489	+	2.001E-17	3.95188E-16	-0.28856	hypo	sig	chr14_76352489
chr5	59893912	59893912	+	2.003E-17	3.95628E-16	0.205558	hyper	sig	chr5_59893912
chr14	1.06E+08	106400929	+	2.006E-17	3.9614E-16	-0.20111	hypo	sig	chr14_106400929
chr1	12044809	12044809	+	2.008E-17	3.96474E-16	-0.25943	hypo	sig	chr1_12044809
chr17	1040089	1040089	+	2.009E-17	3.96648E-16	-0.21034	hypo	sig	chr17_1040089
chr17	78568890	78568890	+	2.011E-17	3.97147E-16	-0.23228	hypo	sig	chr17_78568890
chr6	26743110	26743110	+	2.014E-17	3.97654E-16	0.300629	hyper	sig	chr6_26743110
chr17	79045696	79045696	+	2.015E-17	3.97851E-16	-0.2973	hypo	sig	chr17_79045696
chr11	1919487	1919487	+	2.015E-17	3.97937E-16	-0.24123	hypo	sig	chr11_1919487
chr15	70604875	70604875	+	2.016E-17	3.98067E-16	-0.2679	hypo	sig	chr15_70604875
chr16	58511598	58511598	+	2.016E-17	3.98117E-16	-0.23813	hypo	sig	chr16_58511598
chr5	37838535	37838535	+	2.017E-17	3.98171E-16	0.211514	hyper	sig	chr5_37838535
chr13	23547280	23547280	+	2.018E-17	3.98416E-16	0.217633	hyper	sig	chr13_23547280
chr22	43151132	43151132	+	2.019E-17	3.98487E-16	-0.2214	hypo	sig	chr22_43151132
chr6	30171942	30171942	+	2.019E-17	3.98634E-16	0.25082	hyper	sig	chr6_30171942
chr16	86513700	86513700	+	2.029E-17	4.00438E-16	0.221126	hyper	sig	chr16_86513700
chr6	50715886	50715886	+	2.036E-17	4.01775E-16	0.247652	hyper	sig	chr6_50715886
chr3	1.94E+08	194376537	+	2.037E-17	4.02051E-16	-0.2312	hypo	sig	chr3_194376537
chr19	56864485	56864485	+	2.04E-17	4.02668E-16	0.204027	hyper	sig	chr19_56864485
chr11	1.2E+08	119590521	+	2.041E-17	4.02744E-16	-0.23729	hypo	sig	chr11_119590521
chr1	18855014	18855014	+	2.043E-17	4.03282E-16	-0.22942	hypo	sig	chr1_18855014
chr3	27730420	27730420	+	2.055E-17	4.05514E-16	0.275138	hyper	sig	chr3_27730420
chr10	95231134	95231134	+	2.057E-17	4.05854E-16	0.26804	hyper	sig	chr10_95231134
chr11	1.18E+08	117987326	+	2.058E-17	4.06044E-16	-0.24925	hypo	sig	chr11_117987326
chr9	93953858	93953858	+	2.059E-17	4.06203E-16	0.215256	hyper	sig	chr9_93953858
chr7	22504392	22504392	+	2.063E-17	4.06972E-16	-0.27284	hypo	sig	chr7_22504392
chr17	73293190	73293190	+	2.066E-17	4.07571E-16	-0.25992	hypo	sig	chr17_73293190
chr12	53936518	53936518	+	2.067E-17	4.07835E-16	0.264343	hyper	sig	chr12_53936518
chr12	63823001	63823001	+	2.071E-17	4.08513E-16	-0.2673	hypo	sig	chr12_63823001
chr10	49613442	49613442	+	2.073E-17	4.08998E-16	0.202719	hyper	sig	chr10_49613442
chr1	1.61E+08	161259237	+	2.076E-17	4.09438E-16	0.252606	hyper	sig	chr1_161259237
chr16	1010821	1010821	+	2.076E-17	4.09438E-16	-0.20783	hypo	sig	chr16_1010821
chr19	40224756	40224756	+	2.08E-17	4.10263E-16	-0.30825	hypo	sig	chr19_40224756
chr10	26212102	26212102	+	2.081E-17	4.10399E-16	0.258166	hyper	sig	chr10_26212102
chr16	89248186	89248186	+	2.082E-17	4.10528E-16	0.243868	hyper	sig	chr16_89248186
chr3	1.27E+08	127193168	+	2.082E-17	4.10619E-16	-0.22531	hypo	sig	chr3_127193168
chr1	52842989	52842989	+	2.085E-17	4.11095E-16	0.222693	hyper	sig	chr1_52842989

chr15	68931435	68931435	+	2.085E-17	4.11108E-16	-0.24341	hypo	sig	chr15_68931435
chr7	44962166	44962166	+	2.086E-17	4.11319E-16	-0.22055	hypo	sig	chr7_44962166
chr17	79048369	79048369	+	2.088E-17	4.11707E-16	-0.32727	hypo	sig	chr17_79048369
chr8	1.44E+08	144286380	+	2.091E-17	4.12254E-16	-0.23524	hypo	sig	chr8_144286380
chr10	75408777	75408777	+	2.099E-17	4.13942E-16	0.246899	hyper	sig	chr10_75408777
chr20	25081183	25081183	+	2.1E-17	4.14095E-16	0.284101	hyper	sig	chr20_25081183
chr5	1.56E+08	155728932	+	2.102E-17	4.14362E-16	0.25431	hyper	sig	chr5_155728932
chr18	12701639	12701639	+	2.106E-17	4.15232E-16	-0.29423	hypo	sig	chr18_12701639
chr9	95024553	95024553	+	2.106E-17	4.15259E-16	-0.29565	hypo	sig	chr9_95024553
chr5	1.46E+08	146340286	+	2.107E-17	4.15329E-16	0.310187	hyper	sig	chr5_146340286
chr8	1648078	1648078	+	2.111E-17	4.16194E-16	-0.23114	hypo	sig	chr8_1648078
chr19	57935039	57935039	+	2.113E-17	4.16457E-16	0.262044	hyper	sig	chr19_57935039
chr16	3101156	3101156	+	2.122E-17	4.18285E-16	-0.20033	hypo	sig	chr16_3101156
chr11	57390205	57390205	+	2.127E-17	4.19207E-16	-0.23388	hypo	sig	chr11_57390205
chr5	76716793	76716793	+	2.132E-17	4.20194E-16	0.245478	hyper	sig	chr5_76716793
chr5	93573665	93573665	+	2.136E-17	4.20987E-16	0.274335	hyper	sig	chr5_93573665
chr15	98505726	98505726	+	2.139E-17	4.21427E-16	-0.25811	hypo	sig	chr15_98505726
chr17	42685005	42685005	+	2.139E-17	4.21468E-16	0.267749	hyper	sig	chr17_42685005
chr11	2301449	2301449	+	2.145E-17	4.22579E-16	-0.2323	hypo	sig	chr11_2301449
chr16	3174996	3174996	+	2.146E-17	4.22755E-16	0.252401	hyper	sig	chr16_3174996
chr16	3183740	3183740	+	2.153E-17	4.24241E-16	0.285457	hyper	sig	chr16_3183740
chr17	36885606	36885606	+	2.156E-17	4.2473E-16	-0.23285	hypo	sig	chr17_36885606
chr13	20143333	20143333	+	2.159E-17	4.25218E-16	-0.2034	hypo	sig	chr13_20143333
chr1	986609	986609	+	2.159E-17	4.25359E-16	-0.23405	hypo	sig	chr1_986609
chr10	72217032	72217032	+	2.16E-17	4.25439E-16	-0.27649	hypo	sig	chr10_72217032
chr8	88328150	88328150	+	2.16E-17	4.25547E-16	0.229214	hyper	sig	chr8_88328150
chr1	2025900	2025900	+	2.167E-17	4.2678E-16	0.210424	hyper	sig	chr1_2025900
chr6	89118378	89118378	+	2.169E-17	4.27167E-16	0.232735	hyper	sig	chr6_89118378
chr8	1.42E+08	142464579	+	2.176E-17	4.28495E-16	0.249782	hyper	sig	chr8_142464579
chr22	38957675	38957675	+	2.177E-17	4.28726E-16	-0.2067	hypo	sig	chr22_38957675
chr2	74516524	74516524	+	2.178E-17	4.28955E-16	0.28617	hyper	sig	chr2_74516524
chr16	51156348	51156348	+	2.18E-17	4.29329E-16	0.246679	hyper	sig	chr16_51156348
chr11	2423636	2423636	+	2.182E-17	4.29623E-16	-0.21631	hypo	sig	chr11_2423636
chr2	74515251	74515251	+	2.185E-17	4.30251E-16	0.243036	hyper	sig	chr2_74515251
chr19	3821213	3821213	+	2.187E-17	4.30573E-16	-0.31837	hypo	sig	chr19_3821213
chr16	86088555	86088555	+	2.189E-17	4.31053E-16	-0.2604	hypo	sig	chr16_86088555
chr22	45310734	45310734	+	2.192E-17	4.3153E-16	0.216499	hyper	sig	chr22_45310734
chr10	68562136	68562136	+	2.193E-17	4.31661E-16	0.231176	hyper	sig	chr10_68562136
chr13	1.13E+08	113420079	+	2.195E-17	4.32035E-16	-0.20045	hypo	sig	chr13_113420079
chr11	32437025	32437025	+	2.205E-17	4.34093E-16	0.220511	hyper	sig	chr11_32437025
chr14	28767154	28767154	+	2.206E-17	4.34175E-16	0.272476	hyper	sig	chr14_28767154
chr5	1.78E+08	178270399	+	2.206E-17	4.3419E-16	-0.20582	hypo	sig	chr5_178270399
chr7	1421062	1421062	+	2.21E-17	4.35041E-16	-0.24245	hypo	sig	chr7_1421062
chr3	39502281	39502281	+	2.22E-17	4.36834E-16	0.259076	hyper	sig	chr3_39502281
chr6	27495370	27495370	+	2.22E-17	4.36977E-16	0.222848	hyper	sig	chr6_27495370
chr2	1.13E+08	113158284	+	2.221E-17	4.37029E-16	-0.22443	hypo	sig	chr2_113158284
chr10	13890906	13890906	+	2.222E-17	4.37241E-16	0.224494	hyper	sig	chr10_13890906
chr2	73291095	73291095	+	2.227E-17	4.38129E-16	0.256781	hyper	sig	chr2_73291095
chr18	11147786	11147786	+	2.23E-17	4.38699E-16	0.224589	hyper	sig	chr18_11147786
chr16	11676305	11676305	+	2.231E-17	4.38887E-16	-0.27336	hypo	sig	chr16_11676305
chr4	1349211	1349211	+	2.232E-17	4.39235E-16	-0.24162	hypo	sig	chr4_1349211
chr10	1.23E+08	123143324	+	2.235E-17	4.39736E-16	0.218312	hyper	sig	chr10_123143324
chr3	6861477	6861477	+	2.239E-17	4.4045E-16	0.248007	hyper	sig	chr3_6861477
chr1	1.57E+08	156647012	+	2.241E-17	4.40759E-16	0.222883	hyper	sig	chr1_156647012
chr18	37398128	37398128	+	2.244E-17	4.41423E-16	-0.22212	hypo	sig	chr18_37398128
chr16	55655622	55655622	+	2.247E-17	4.41964E-16	0.255729	hyper	sig	chr16_55655622

chr12	6555743	6555743	+	2.247E-17	4.42004E-16	0.268022	hyper	sig	chr12_6555743
chr15	93074736	93074736	+	2.249E-17	4.42347E-16	-0.22129	hypo	sig	chr15_93074736
chr10	49679449	49679449	+	2.25E-17	4.42494E-16	0.211845	hyper	sig	chr10_49679449
chr8	84183430	84183430	+	2.25E-17	4.42532E-16	0.341473	hyper	sig	chr8_84183430
chr5	34652711	34652711	+	2.252E-17	4.42963E-16	-0.29377	hypo	sig	chr5_34652711
chr10	1.34E+08	133574518	+	2.254E-17	4.43198E-16	-0.30671	hypo	sig	chr10_133574518
chr8	78762352	78762352	+	2.255E-17	4.43391E-16	0.236477	hyper	sig	chr8_78762352
chr1	42887072	42887072	+	2.259E-17	4.44273E-16	-0.21987	hypo	sig	chr1_42887072
chr10	1.32E+08	132280867	+	2.267E-17	4.45679E-16	-0.21634	hypo	sig	chr10_132280867
chr3	1.97E+08	196658484	+	2.267E-17	4.45718E-16	-0.35173	hypo	sig	chr3_196658484
chr5	1.79E+08	178941344	+	2.269E-17	4.46061E-16	0.307585	hyper	sig	chr5_178941344
chr13	52847567	52847567	+	2.269E-17	4.46146E-16	0.287621	hyper	sig	chr13_52847567
chr1	58246390	58246390	+	2.272E-17	4.46665E-16	-0.27771	hypo	sig	chr1_58246390
chr16	84174602	84174602	+	2.272E-17	4.46665E-16	-0.23496	hypo	sig	chr16_84174602
chr5	1.41E+08	140834743	+	2.278E-17	4.47799E-16	0.222685	hyper	sig	chr5_140834743
chr3	1.82E+08	181725173	+	2.28E-17	4.48255E-16	0.228553	hyper	sig	chr3_181725173
chr5	93573113	93573113	+	2.282E-17	4.4846E-16	0.275225	hyper	sig	chr5_93573113
chr16	4006402	4006402	+	2.282E-17	4.48581E-16	0.244871	hyper	sig	chr16_4006402
chr5	38845693	38845693	+	2.284E-17	4.48866E-16	0.221266	hyper	sig	chr5_38845693
chr1	6138583	6138583	+	2.295E-17	4.50954E-16	-0.23525	hypo	sig	chr1_6138583
chr9	10613432	10613432	+	2.296E-17	4.51254E-16	0.259845	hyper	sig	chr9_10613432
chr7	1.49E+08	149415252	+	2.3E-17	4.52001E-16	0.217815	hyper	sig	chr7_149415252
chr16	85302310	85302310	+	2.302E-17	4.5237E-16	-0.20581	hypo	sig	chr16_85302310
chr1	1.09E+08	108964074	+	2.305E-17	4.52975E-16	-0.32532	hypo	sig	chr1_108964074
chr5	1174334	1174334	+	2.305E-17	4.52975E-16	-0.25012	hypo	sig	chr5_1174334
chr5	1885483	1885483	+	2.308E-17	4.53533E-16	0.210497	hyper	sig	chr5_1885483
chr8	76683064	76683064	+	2.311E-17	4.54102E-16	0.220032	hyper	sig	chr8_76683064
chr1	1.45E+08	144552155	+	2.312E-17	4.54321E-16	0.255219	hyper	sig	chr1_144552155
chr10	1.33E+08	132943016	+	2.314E-17	4.54585E-16	0.248858	hyper	sig	chr10_132943016
chr16	833933	833933	+	2.323E-17	4.56323E-16	-0.25884	hypo	sig	chr16_833933
chr12	33438408	33438408	+	2.328E-17	4.57385E-16	0.209104	hyper	sig	chr12_33438408
chr3	1.26E+08	126361440	+	2.332E-17	4.58068E-16	-0.26854	hypo	sig	chr3_126361440
chr5	1.35E+08	135050495	+	2.332E-17	4.58135E-16	0.249301	hyper	sig	chr5_135050495
chr7	30912236	30912236	+	2.332E-17	4.58151E-16	0.201811	hyper	sig	chr7_30912236
chr18	48408169	48408169	+	2.336E-17	4.5883E-16	0.251632	hyper	sig	chr18_48408169
chr7	27181355	27181355	+	2.342E-17	4.59914E-16	-0.24044	hypo	sig	chr7_27181355
chr19	17377602	17377602	+	2.346E-17	4.60763E-16	-0.25757	hypo	sig	chr19_17377602
chr19	28727234	28727234	+	2.355E-17	4.62544E-16	0.253076	hyper	sig	chr19_28727234
chr20	48827229	48827229	+	2.363E-17	4.64046E-16	0.226229	hyper	sig	chr20_48827229
chr6	43276566	43276566	+	2.368E-17	4.64885E-16	-0.28075	hypo	sig	chr6_43276566
chr1	10635918	10635918	+	2.369E-17	4.65073E-16	-0.20347	hypo	sig	chr1_10635918
chr10	1.04E+08	103843264	+	2.374E-17	4.66111E-16	-0.21798	hypo	sig	chr10_103843264
chr1	36109227	36109227	+	2.382E-17	4.67758E-16	-0.23394	hypo	sig	chr1_36109227
chr6	1.5E+08	150038197	+	2.383E-17	4.67803E-16	0.264236	hyper	sig	chr6_150038197
chr8	1322541	1322541	+	2.384E-17	4.67995E-16	-0.20772	hypo	sig	chr8_1322541
chr11	1.35E+08	134657081	+	2.386E-17	4.68334E-16	-0.2151	hypo	sig	chr11_134657081
chr2	1.28E+08	127681718	+	2.387E-17	4.68659E-16	-0.22475	hypo	sig	chr2_127681718
chr1	2.47E+08	246697142	+	2.393E-17	4.69687E-16	-0.2462	hypo	sig	chr1_246697142
chr2	2.42E+08	241857377	+	2.395E-17	4.70085E-16	-0.20081	hypo	sig	chr2_241857377
chr11	67665411	67665411	+	2.397E-17	4.70407E-16	-0.26454	hypo	sig	chr11_67665411
chr12	1.14E+08	114439601	+	2.399E-17	4.7086E-16	0.282824	hyper	sig	chr12_114439601
chr19	3821272	3821272	+	2.402E-17	4.71388E-16	-0.3222	hypo	sig	chr19_3821272
chr8	1.42E+08	141974670	+	2.405E-17	4.72054E-16	-0.21131	hypo	sig	chr8_141974670
chr16	3547075	3547075	+	2.409E-17	4.72683E-16	-0.231	hypo	sig	chr16_3547075
chr5	1.79E+08	178941390	+	2.41E-17	4.73004E-16	0.288475	hyper	sig	chr5_178941390
chr17	81003833	81003833	+	2.412E-17	4.7328E-16	-0.20496	hypo	sig	chr17_81003833

chr5	320732	320732	+	2.414E-17	4.73595E-16	0.246607	hyper	sig	chr5_320732
chr8	56478195	56478195	+	2.417E-17	4.7424E-16	-0.24537	hypo	sig	chr8_56478195
chr10	99329009	99329009	+	2.418E-17	4.74513E-16	0.237977	hyper	sig	chr10_99329009
chr11	77039391	77039391	+	2.422E-17	4.75143E-16	-0.3567	hypo	sig	chr11_77039391
chr16	30023110	30023110	+	2.423E-17	4.75398E-16	-0.206	hypo	sig	chr16_30023110
chr17	81050330	81050330	+	2.425E-17	4.7574E-16	-0.2515	hypo	sig	chr17_81050330
chr10	1.01E+08	100659652	+	2.426E-17	4.75895E-16	0.207315	hyper	sig	chr10_100659652
chr11	20163590	20163590	+	2.431E-17	4.76831E-16	0.238995	hyper	sig	chr11_20163590
chr22	48396898	48396898	+	2.431E-17	4.7685E-16	-0.21736	hypo	sig	chr22_48396898
chr1	2.17E+08	217138286	+	2.433E-17	4.77307E-16	0.263519	hyper	sig	chr1_217138286
chr3	1.26E+08	126361564	+	2.433E-17	4.77307E-16	-0.21377	hypo	sig	chr3_126361564
chr5	1.41E+08	141374163	+	2.436E-17	4.77737E-16	0.229164	hyper	sig	chr5_141374163
chr17	8708325	8708325	+	2.439E-17	4.78447E-16	-0.22441	hypo	sig	chr17_8708325
chr11	1388923	1388923	+	2.447E-17	4.79835E-16	0.30136	hyper	sig	chr11_1388923
chr16	7304506	7304506	+	2.448E-17	4.80057E-16	0.285346	hyper	sig	chr16_7304506
chr17	29016761	29016761	+	2.451E-17	4.80712E-16	-0.2614	hypo	sig	chr17_29016761
chr19	41930233	41930233	+	2.455E-17	4.81352E-16	-0.21812	hypo	sig	chr19_41930233
chr7	1.3E+08	130492375	+	2.459E-17	4.82173E-16	0.222879	hyper	sig	chr7_130492375
chr19	51327410	51327410	+	2.462E-17	4.82788E-16	0.302844	hyper	sig	chr19_51327410
chr16	17469443	17469443	+	2.466E-17	4.83451E-16	0.222578	hyper	sig	chr16_17469443
chr13	1.14E+08	114054419	+	2.47E-17	4.84206E-16	-0.21855	hypo	sig	chr13_114054419
chr17	10197863	10197863	+	2.47E-17	4.84206E-16	0.25322	hyper	sig	chr17_10197863
chr8	72251537	72251537	+	2.47E-17	4.8424E-16	0.250312	hyper	sig	chr8_72251537
chr15	31399042	31399042	+	2.475E-17	4.85215E-16	-0.25741	hypo	sig	chr15_31399042
chr8	1.41E+08	141368140	+	2.476E-17	4.85443E-16	-0.26204	hypo	sig	chr8_141368140
chr1	1.57E+08	156845954	+	2.478E-17	4.8578E-16	0.275657	hyper	sig	chr1_156845954
chr6	1.68E+08	168356596	+	2.479E-17	4.86012E-16	-0.22362	hypo	sig	chr6_168356596
chr21	36159548	36159548	+	2.481E-17	4.86236E-16	-0.29993	hypo	sig	chr21_36159548
chr2	1.32E+08	131589328	+	2.482E-17	4.86489E-16	-0.29114	hypo	sig	chr2_131589328
chr8	17413105	17413105	+	2.485E-17	4.87012E-16	0.263455	hyper	sig	chr8_17413105
chr3	58588315	58588315	+	2.485E-17	4.87102E-16	-0.20069	hypo	sig	chr3_58588315
chr10	1.19E+08	118595885	+	2.486E-17	4.87168E-16	0.278933	hyper	sig	chr10_118595885
chr1	1430845	1430845	+	2.491E-17	4.88115E-16	-0.30632	hypo	sig	chr1_1430845
chr13	20946203	20946203	+	2.498E-17	4.89637E-16	0.306867	hyper	sig	chr13_20946203
chr1	1.19E+08	118983545	+	2.501E-17	4.90144E-16	0.214558	hyper	sig	chr1_118983545
chr2	2.19E+08	218962113	+	2.503E-17	4.90523E-16	0.205693	hyper	sig	chr2_218962113
chr4	3767856	3767856	+	2.504E-17	4.90699E-16	0.261529	hyper	sig	chr4_3767856
chr20	31996806	31996806	+	2.505E-17	4.90906E-16	-0.21131	hypo	sig	chr20_31996806
chr16	24255571	24255571	+	2.51E-17	4.91802E-16	0.259454	hyper	sig	chr16_24255571
chr10	26217032	26217032	+	2.514E-17	4.92516E-16	0.272042	hyper	sig	chr10_26217032
chr13	91399532	91399532	+	2.516E-17	4.92976E-16	0.210619	hyper	sig	chr13_91399532
chr19	57888939	57888939	+	2.516E-17	4.92976E-16	0.218049	hyper	sig	chr19_57888939
chr13	83879735	83879735	+	2.521E-17	4.93852E-16	0.227677	hyper	sig	chr13_83879735
chr2	79512155	79512155	+	2.522E-17	4.94132E-16	0.20619	hyper	sig	chr2_79512155
chr8	66963318	66963318	+	2.523E-17	4.94316E-16	0.334198	hyper	sig	chr8_66963318
chr11	20163765	20163765	+	2.525E-17	4.9469E-16	0.206686	hyper	sig	chr11_20163765
chr20	9515934	9515934	+	2.526E-17	4.948E-16	0.226329	hyper	sig	chr20_9515934
chr12	1.13E+08	113464502	+	2.53E-17	4.95626E-16	0.219147	hyper	sig	chr12_113464502
chr7	6871580	6871580	+	2.532E-17	4.95929E-16	-0.21134	hypo	sig	chr7_6871580
chr19	48837257	48837257	+	2.537E-17	4.96837E-16	0.224689	hyper	sig	chr19_48837257
chr11	64222669	64222669	+	2.54E-17	4.97394E-16	-0.20923	hypo	sig	chr11_64222669
chr5	1.78E+08	177604296	+	2.54E-17	4.97422E-16	-0.26959	hypo	sig	chr5_177604296
chr15	24773038	24773038	+	2.542E-17	4.97867E-16	0.225649	hyper	sig	chr15_24773038
chr6	1E+08	100449433	+	2.545E-17	4.98373E-16	0.249981	hyper	sig	chr6_100449433
chr16	83949040	83949040	+	2.547E-17	4.98768E-16	-0.20859	hypo	sig	chr16_83949040
chr6	1E+08	100467929	+	2.548E-17	4.99018E-16	0.218407	hyper	sig	chr6_100467929

chr15	55589048	55589048	+	2.55E-17	4.99272E-16	0.30864	hyper	sig	chr15_55589048
chr11	2155632	2155632	+	2.554E-17	5.00107E-16	-0.28006	hypo	sig	chr11_2155632
chr12	53999661	53999661	+	2.56E-17	5.01132E-16	0.210387	hyper	sig	chr12_53999661
chr2	40452442	40452442	+	2.562E-17	5.01478E-16	0.207735	hyper	sig	chr2_40452442
chr2	1.06E+08	106056238	+	2.569E-17	5.02961E-16	-0.31199	hypo	sig	chr2_106056238
chr3	1.47E+08	147407474	+	2.571E-17	5.03264E-16	0.202248	hyper	sig	chr3_147407474
chr15	70584935	70584935	+	2.579E-17	5.04832E-16	-0.22246	hypo	sig	chr15_70584935
chr9	97852751	97852751	+	2.581E-17	5.05179E-16	0.202213	hyper	sig	chr9_97852751
chr2	2.37E+08	236507709	+	2.588E-17	5.06467E-16	0.272009	hyper	sig	chr2_236507709
chr16	46573779	46573779	+	2.588E-17	5.06494E-16	-0.26828	hypo	sig	chr16_46573779
chr14	94773039	94773039	+	2.592E-17	5.07196E-16	0.21094	hyper	sig	chr14_94773039
chr4	5710854	5710854	+	2.592E-17	5.07196E-16	0.328663	hyper	sig	chr4_5710854
chr9	62799966	62799966	+	2.594E-17	5.07566E-16	0.238012	hyper	sig	chr9_62799966
chr19	19262750	19262750	+	2.596E-17	5.08017E-16	0.321097	hyper	sig	chr19_19262750
chr3	10993726	10993726	+	2.597E-17	5.08147E-16	0.200318	hyper	sig	chr3_10993726
chr18	76350830	76350830	+	2.604E-17	5.09514E-16	-0.21576	hypo	sig	chr18_76350830
chr1	16645582	16645582	+	2.604E-17	5.09518E-16	-0.21671	hypo	sig	chr1_16645582
chr1	1426271	1426271	+	2.605E-17	5.09733E-16	-0.22778	hypo	sig	chr1_1426271
chr12	3493034	3493034	+	2.61E-17	5.1057E-16	0.256363	hyper	sig	chr12_3493034
chr16	87611523	87611523	+	2.613E-17	5.11215E-16	-0.31969	hypo	sig	chr16_87611523
chr19	48297233	48297233	+	2.616E-17	5.11746E-16	-0.23112	hypo	sig	chr19_48297233
chr15	96361648	96361648	+	2.628E-17	5.14079E-16	0.244283	hyper	sig	chr15_96361648
chr8	1.44E+08	143718788	+	2.63E-17	5.14419E-16	-0.2724	hypo	sig	chr8_143718788
chr4	1542063	1542063	+	2.633E-17	5.14927E-16	-0.22697	hypo	sig	chr4_1542063
chr12	62191446	62191446	+	2.635E-17	5.1536E-16	0.257921	hyper	sig	chr12_62191446
chr3	46464914	46464914	+	2.636E-17	5.15479E-16	0.222651	hyper	sig	chr3_46464914
chr5	41509901	41509901	+	2.638E-17	5.15823E-16	0.207637	hyper	sig	chr5_41509901
chr9	98944642	98944642	+	2.641E-17	5.16455E-16	0.257279	hyper	sig	chr9_98944642
chr16	88116243	88116243	+	2.643E-17	5.16895E-16	-0.20926	hypo	sig	chr16_88116243
chr5	76951854	76951854	+	2.643E-17	5.16895E-16	-0.27257	hypo	sig	chr5_76951854
chr1	1.53E+08	153374049	+	2.643E-17	5.16899E-16	-0.24901	hypo	sig	chr1_153374049
chr6	1.51E+08	151340714	+	2.645E-17	5.17194E-16	-0.21368	hypo	sig	chr6_151340714
chr4	29047638	29047638	+	2.654E-17	5.18892E-16	-0.21821	hypo	sig	chr4_29047638
chr3	1.13E+08	113441471	+	2.657E-17	5.19438E-16	0.218424	hyper	sig	chr3_113441471
chr19	53942172	53942172	+	2.658E-17	5.1971E-16	0.248366	hyper	sig	chr19_53942172
chr11	1.02E+08	101582389	+	2.662E-17	5.2035E-16	0.255187	hyper	sig	chr11_101582389
chr19	5038811	5038811	+	2.662E-17	5.20355E-16	-0.21245	hypo	sig	chr19_5038811
chr1	1.54E+08	153568194	+	2.664E-17	5.20756E-16	-0.37582	hypo	sig	chr1_153568194
chr14	1.01E+08	100769722	+	2.665E-17	5.20855E-16	-0.21363	hypo	sig	chr14_100769722
chr9	1.36E+08	136251697	+	2.665E-17	5.20901E-16	-0.20397	hypo	sig	chr9_136251697
chr16	86495386	86495386	+	2.665E-17	5.20935E-16	0.221433	hyper	sig	chr16_86495386
chr10	70459935	70459935	+	2.665E-17	5.20943E-16	-0.26165	hypo	sig	chr10_70459935
chr16	974793	974793	+	2.666E-17	5.21025E-16	-0.21936	hypo	sig	chr16_974793
chr5	1.79E+08	178577120	+	2.669E-17	5.21601E-16	0.252012	hyper	sig	chr5_178577120
chr13	98474824	98474824	+	2.67E-17	5.21763E-16	-0.21225	hypo	sig	chr13_98474824
chr8	15536174	15536174	+	2.671E-17	5.21974E-16	-0.36524	hypo	sig	chr8_15536174
chr3	1.88E+08	187670479	+	2.673E-17	5.22279E-16	0.252677	hyper	sig	chr3_187670479
chr1	2609455	2609455	+	2.676E-17	5.22858E-16	-0.26685	hypo	sig	chr1_2609455
chr1	79008098	79008098	+	2.677E-17	5.23138E-16	-0.21478	hypo	sig	chr1_79008098
chr5	45696311	45696311	+	2.68E-17	5.23601E-16	0.223857	hyper	sig	chr5_45696311
chr4	41873568	41873568	+	2.681E-17	5.23761E-16	0.316919	hyper	sig	chr4_41873568
chr19	34905299	34905299	+	2.688E-17	5.25111E-16	0.301173	hyper	sig	chr19_34905299
chr17	18780420	18780420	+	2.689E-17	5.25355E-16	-0.22772	hypo	sig	chr17_18780420
chr17	46854411	46854411	+	2.689E-17	5.25391E-16	-0.23465	hypo	sig	chr17_46854411
chr12	1.3E+08	130452055	+	2.693E-17	5.26103E-16	-0.20834	hypo	sig	chr12_130452055
chr7	50308919	50308919	+	2.695E-17	5.26449E-16	-0.20915	hypo	sig	chr7_50308919

chr16	86513730	86513730	+	2.697E-17	5.26916E-16	0.224237	hyper	sig	chr16_86513730
chr4	1.44E+08	143912347	+	2.699E-17	5.27266E-16	0.259812	hyper	sig	chr4_143912347
chr11	1454658	1454658	+	2.702E-17	5.27726E-16	-0.2009	hypo	sig	chr11_1454658
chr6	1.7E+08	170423102	+	2.704E-17	5.28118E-16	0.202287	hyper	sig	chr6_170423102
chr12	34366902	34366902	+	2.707E-17	5.28629E-16	-0.24379	hypo	sig	chr12_34366902
chr19	58356251	58356251	+	2.708E-17	5.28917E-16	0.264184	hyper	sig	chr19_58356251
chr19	5250457	5250457	+	2.715E-17	5.30223E-16	-0.24483	hypo	sig	chr19_5250457
chr7	74094640	74094640	+	2.717E-17	5.30649E-16	0.27583	hyper	sig	chr7_74094640
chr16	85832804	85832804	+	2.719E-17	5.30967E-16	-0.25896	hypo	sig	chr16_85832804
chr13	99989238	99989238	+	2.722E-17	5.31477E-16	0.225923	hyper	sig	chr13_99989238
chr5	1658858	1658858	+	2.726E-17	5.32341E-16	-0.32571	hypo	sig	chr5_1658858
chr3	11015514	11015514	+	2.732E-17	5.33448E-16	-0.22503	hypo	sig	chr3_11015514
chr20	29427397	29427397	+	2.733E-17	5.33663E-16	0.309145	hyper	sig	chr20_29427397
chr19	11359513	11359513	+	2.745E-17	5.35963E-16	-0.3075	hypo	sig	chr19_11359513
chr7	55449195	55449195	+	2.746E-17	5.36098E-16	0.246472	hyper	sig	chr7_55449195
chr12	1.14E+08	114439616	+	2.748E-17	5.36442E-16	0.263604	hyper	sig	chr12_114439616
chr2	45170865	45170865	+	2.748E-17	5.36488E-16	0.223555	hyper	sig	chr2_45170865
chr13	1.1E+08	110129317	+	2.75E-17	5.36753E-16	-0.20053	hypo	sig	chr13_110129317
chr15	60003095	60003095	+	2.751E-17	5.36984E-16	0.242039	hyper	sig	chr15_60003095
chr16	35577913	35577913	+	2.752E-17	5.37175E-16	-0.26669	hypo	sig	chr16_35577913
chr16	3950599	3950599	+	2.763E-17	5.39295E-16	-0.21888	hypo	sig	chr16_3950599
chr2	95024394	95024394	+	2.766E-17	5.39927E-16	-0.23064	hypo	sig	chr2_95024394
chr1	2376422	2376422	+	2.768E-17	5.4024E-16	-0.36045	hypo	sig	chr1_2376422
chr1	1.19E+08	118979786	+	2.769E-17	5.40368E-16	0.245484	hyper	sig	chr1_118979786
chr3	1.47E+08	147412749	+	2.771E-17	5.40819E-16	0.246802	hyper	sig	chr3_147412749
chr7	57868132	57868132	+	2.778E-17	5.42183E-16	0.287059	hyper	sig	chr7_57868132
chr21	43940861	43940861	+	2.78E-17	5.42536E-16	0.243066	hyper	sig	chr21_43940861
chr1	2.28E+08	228008147	+	2.782E-17	5.42845E-16	0.232968	hyper	sig	chr1_228008147
chr6	1.46E+08	146029434	+	2.783E-17	5.43019E-16	0.228436	hyper	sig	chr6_146029434
chr5	1.35E+08	135039183	+	2.786E-17	5.43526E-16	0.201639	hyper	sig	chr5_135039183
chr3	1.96E+08	195807965	+	2.788E-17	5.44014E-16	-0.21224	hypo	sig	chr3_195807965
chr3	1.28E+08	128493595	+	2.789E-17	5.44111E-16	0.208764	hyper	sig	chr3_128493595
chr7	35454960	35454960	+	2.789E-17	5.44187E-16	0.320968	hyper	sig	chr7_35454960
chr12	43552208	43552208	+	2.792E-17	5.44811E-16	0.252696	hyper	sig	chr12_43552208
chr5	1.46E+08	146379318	+	2.795E-17	5.4525E-16	0.265298	hyper	sig	chr5_146379318
chr10	79103021	79103021	+	2.797E-17	5.45653E-16	0.314324	hyper	sig	chr10_79103021
chr16	89972175	89972175	+	2.798E-17	5.45762E-16	0.229036	hyper	sig	chr16_89972175
chr10	1.29E+08	129022502	+	2.8E-17	5.46235E-16	-0.25703	hypo	sig	chr10_129022502
chr16	22813168	22813168	+	2.8E-17	5.46235E-16	0.246915	hyper	sig	chr16_22813168
chr13	94707720	94707720	+	2.806E-17	5.47404E-16	0.293435	hyper	sig	chr13_94707720
chr12	54019313	54019313	+	2.809E-17	5.47984E-16	0.243924	hyper	sig	chr12_54019313
chr1	2.29E+08	229407197	+	2.811E-17	5.48184E-16	0.220365	hyper	sig	chr1_229407197
chr11	1.32E+08	131677425	+	2.811E-17	5.48184E-16	-0.29264	hypo	sig	chr11_131677425
chr2	1.72E+08	172108513	+	2.811E-17	5.48184E-16	0.230687	hyper	sig	chr2_172108513
chr6	30127769	30127769	+	2.812E-17	5.48457E-16	0.203077	hyper	sig	chr6_30127769
chr1	1.17E+08	117094562	+	2.816E-17	5.49192E-16	-0.21523	hypo	sig	chr1_117094562
chr12	24902690	24902690	+	2.816E-17	5.49192E-16	0.320864	hyper	sig	chr12_24902690
chr9	1.26E+08	126057701	+	2.821E-17	5.50111E-16	-0.27414	hypo	sig	chr9_126057701
chr2	44932635	44932635	+	2.822E-17	5.5029E-16	0.251424	hyper	sig	chr2_44932635
chr6	29627234	29627234	+	2.823E-17	5.50547E-16	0.221263	hyper	sig	chr6_29627234
chr14	74616792	74616792	+	2.829E-17	5.51527E-16	-0.27397	hypo	sig	chr14_74616792
chr21	31659048	31659048	+	2.829E-17	5.51581E-16	-0.2187	hypo	sig	chr21_31659048
chr5	1.77E+08	177117047	+	2.829E-17	5.51581E-16	0.200955	hyper	sig	chr5_177117047
chr16	86508059	86508059	+	2.83E-17	5.51692E-16	0.202768	hyper	sig	chr16_86508059
chr10	1.32E+08	132221431	+	2.833E-17	5.52393E-16	-0.25053	hypo	sig	chr10_132221431
chr2	1.27E+08	126970371	+	2.834E-17	5.52462E-16	-0.24495	hypo	sig	chr2_126970371

chr3	45756334	45756334	+	2.837E-17	5.53113E-16	-0.2573	hypo	sig	chr3_45756334
chr16	3092630	3092630	+	2.842E-17	5.54105E-16	-0.2673	hypo	sig	chr16_3092630
chr5	51382674	51382674	+	2.845E-17	5.5453E-16	0.202984	hyper	sig	chr5_51382674
chr12	42145687	42145687	+	2.846E-17	5.5471E-16	-0.29256	hypo	sig	chr12_42145687
chr20	62553499	62553499	+	2.847E-17	5.54989E-16	-0.21487	hypo	sig	chr20_62553499
chr4	4871536	4871536	+	2.849E-17	5.55292E-16	0.205153	hyper	sig	chr4_4871536
chr16	12090064	12090064	+	2.851E-17	5.55626E-16	-0.22458	hypo	sig	chr16_12090064
chr17	74201142	74201142	+	2.852E-17	5.55891E-16	-0.20417	hypo	sig	chr17_74201142
chr2	2.32E+08	231924679	+	2.855E-17	5.56457E-16	-0.26059	hypo	sig	chr2_231924679
chr19	36973274	36973274	+	2.856E-17	5.56658E-16	0.208431	hyper	sig	chr19_36973274
chr4	3436852	3436852	+	2.857E-17	5.56697E-16	-0.20618	hypo	sig	chr4_3436852
chr5	1.41E+08	140848771	+	2.867E-17	5.5866E-16	0.208544	hyper	sig	chr5_140848771
chr6	1.59E+08	158631438	+	2.867E-17	5.58744E-16	-0.20699	hypo	sig	chr6_158631438
chr3	6862886	6862886	+	2.868E-17	5.58893E-16	0.345388	hyper	sig	chr3_6862886
chr10	1.33E+08	133115290	+	2.87E-17	5.59144E-16	-0.21769	hypo	sig	chr10_133115290
chr2	12718986	12718986	+	2.873E-17	5.59748E-16	0.255206	hyper	sig	chr2_12718986
chr7	1.5E+08	150048255	+	2.874E-17	5.59965E-16	0.209634	hyper	sig	chr7_150048255
chr2	1.58E+08	157597571	+	2.876E-17	5.6038E-16	0.233264	hyper	sig	chr2_157597571
chr14	56817837	56817837	+	2.88E-17	5.61132E-16	0.228038	hyper	sig	chr14_56817837
chr17	76000380	76000380	+	2.883E-17	5.61635E-16	-0.25092	hypo	sig	chr17_76000380
chr7	1.22E+08	122300159	+	2.888E-17	5.62614E-16	0.285594	hyper	sig	chr7_122300159
chr8	64586151	64586151	+	2.888E-17	5.62624E-16	0.214357	hyper	sig	chr8_64586151
chr8	11013888	11013888	+	2.89E-17	5.62841E-16	-0.25887	hypo	sig	chr8_11013888
chr2	24970952	24970952	+	2.902E-17	5.65131E-16	-0.22134	hypo	sig	chr2_24970952
chr6	63571732	63571732	+	2.913E-17	5.67234E-16	-0.24644	hypo	sig	chr6_63571732
chr2	2.41E+08	240890305	+	2.916E-17	5.67874E-16	-0.21723	hypo	sig	chr2_240890305
chr11	66049117	66049117	+	2.923E-17	5.69096E-16	0.267632	hyper	sig	chr11_66049117
chr12	1.17E+08	117045306	+	2.928E-17	5.70109E-16	0.244842	hyper	sig	chr12_117045306
chr2	1.82E+08	181683544	+	2.93E-17	5.70453E-16	0.229017	hyper	sig	chr2_181683544
chr2	869020	869020	+	2.931E-17	5.70617E-16	0.221703	hyper	sig	chr2_869020
chr17	6425806	6425806	+	2.934E-17	5.71209E-16	-0.25929	hypo	sig	chr17_6425806
chr6	10385282	10385282	+	2.936E-17	5.71533E-16	0.245111	hyper	sig	chr6_10385282
chr20	60966239	60966239	+	2.937E-17	5.71745E-16	-0.26717	hypo	sig	chr20_60966239
chr3	1.02E+08	101677827	+	2.937E-17	5.71762E-16	-0.25583	hypo	sig	chr3_101677827
chr10	23173346	23173346	+	2.941E-17	5.72484E-16	0.265126	hyper	sig	chr10_23173346
chr16	49280991	49280991	+	2.946E-17	5.73404E-16	0.223164	hyper	sig	chr16_49280991
chr4	3447968	3447968	+	2.946E-17	5.73407E-16	-0.25349	hypo	sig	chr4_3447968
chr17	78170922	78170922	+	2.949E-17	5.73975E-16	-0.21508	hypo	sig	chr17_78170922
chr5	1.79E+08	179354562	+	2.95E-17	5.74183E-16	-0.21525	hypo	sig	chr5_179354562
chr17	7740774	7740774	+	2.963E-17	5.76776E-16	-0.3131	hypo	sig	chr17_7740774
chr6	1.08E+08	108167439	+	2.984E-17	5.80809E-16	0.229504	hyper	sig	chr6_108167439
chr17	78232209	78232209	+	2.986E-17	5.81075E-16	0.231684	hyper	sig	chr17_78232209
chr19	13014467	13014467	+	2.988E-17	5.81502E-16	0.233346	hyper	sig	chr19_13014467
chr19	2867324	2867324	+	2.99E-17	5.8178E-16	-0.20143	hypo	sig	chr19_2867324
chr20	761139	761139	+	2.993E-17	5.82356E-16	0.221323	hyper	sig	chr20_761139
chr10	44963435	44963435	+	2.998E-17	5.83402E-16	0.211633	hyper	sig	chr10_44963435
chr5	1.41E+08	140795238	+	3.002E-17	5.84107E-16	0.255204	hyper	sig	chr5_140795238
chr16	30007480	30007480	+	3.006E-17	5.84894E-16	-0.29438	hypo	sig	chr16_30007480
chr3	1.28E+08	128497345	+	3.013E-17	5.86189E-16	0.226378	hyper	sig	chr3_128497345
chr18	80033404	80033404	+	3.014E-17	5.86426E-16	0.211048	hyper	sig	chr18_80033404
chr2	1.76E+08	176159389	+	3.015E-17	5.86516E-16	-0.20021	hypo	sig	chr2_176159389
chr6	41503306	41503306	+	3.017E-17	5.86883E-16	-0.27458	hypo	sig	chr6_41503306
chr3	1.72E+08	172450054	+	3.028E-17	5.89012E-16	0.261282	hyper	sig	chr3_172450054
chr7	73704471	73704471	+	3.049E-17	5.92939E-16	-0.33702	hypo	sig	chr7_73704471
chr7	1.51E+08	151013301	+	3.049E-17	5.93032E-16	0.241329	hyper	sig	chr7_151013301
chr16	55331903	55331903	+	3.065E-17	5.96046E-16	0.274769	hyper	sig	chr16_55331903

chr6	28786151	28786151	+	3.069E-17	5.96796E-16	0.257131	hyper	sig	chr6_28786151
chr14	91400472	91400472	+	3.081E-17	5.98986E-16	-0.22004	hypo	sig	chr14_91400472
chr10	69571735	69571735	+	3.09E-17	6.00856E-16	0.349812	hyper	sig	chr10_69571735
chr2	1.92E+08	192195580	+	3.092E-17	6.01077E-16	0.208061	hyper	sig	chr2_192195580
chr8	49909759	49909759	+	3.092E-17	6.01152E-16	0.205138	hyper	sig	chr8_49909759
chr19	52453729	52453729	+	3.097E-17	6.02185E-16	0.38746	hyper	sig	chr19_52453729
chr2	80302948	80302948	+	3.102E-17	6.03048E-16	0.227885	hyper	sig	chr2_80302948
chr5	1.79E+08	179166784	+	3.102E-17	6.03068E-16	-0.24502	hypo	sig	chr5_179166784
chr7	30912206	30912206	+	3.103E-17	6.03186E-16	0.205656	hyper	sig	chr7_30912206
chr5	1.59E+08	159096934	+	3.11E-17	6.04632E-16	0.290753	hyper	sig	chr5_159096934
chr15	1.02E+08	101653213	+	3.115E-17	6.05566E-16	-0.24105	hypo	sig	chr15_101653213
chr2	1.76E+08	176083232	+	3.116E-17	6.05774E-16	0.225014	hyper	sig	chr2_176083232
chr6	1.08E+08	108171102	+	3.117E-17	6.0594E-16	0.265651	hyper	sig	chr6_108171102
chr9	1.34E+08	134132419	+	3.122E-17	6.06805E-16	-0.20661	hypo	sig	chr9_134132419
chr4	912635	912635	+	3.123E-17	6.07071E-16	-0.21591	hypo	sig	chr4_912635
chr1	1.47E+08	147079208	+	3.136E-17	6.09394E-16	0.277431	hyper	sig	chr1_147079208
chr5	1.46E+08	146339009	+	3.139E-17	6.10119E-16	0.210569	hyper	sig	chr5_146339009
chr19	41930420	41930420	+	3.152E-17	6.12525E-16	-0.26637	hypo	sig	chr19_41930420
chr1	1.75E+08	175044898	+	3.158E-17	6.13548E-16	-0.20685	hypo	sig	chr1_175044898
chr5	1.23E+08	123094781	+	3.159E-17	6.13864E-16	0.259783	hyper	sig	chr5_123094781
chr20	38445616	38445616	+	3.165E-17	6.14877E-16	-0.31262	hypo	sig	chr20_38445616
chr1	44118784	44118784	+	3.168E-17	6.15476E-16	-0.3016	hypo	sig	chr1_44118784
chr1	57422766	57422766	+	3.172E-17	6.16314E-16	0.288629	hyper	sig	chr1_57422766
chr2	1.32E+08	131830097	+	3.177E-17	6.17197E-16	0.223707	hyper	sig	chr2_131830097
chr13	20301829	20301829	+	3.179E-17	6.17628E-16	0.303729	hyper	sig	chr13_20301829
chr8	13131728	13131728	+	3.18E-17	6.1765E-16	0.256116	hyper	sig	chr8_13131728
chr7	1.57E+08	157468924	+	3.182E-17	6.18173E-16	-0.2187	hypo	sig	chr7_157468924
chr5	1.29E+08	128537863	+	3.188E-17	6.19194E-16	0.204966	hyper	sig	chr5_128537863
chr8	76683898	76683898	+	3.189E-17	6.19386E-16	0.203345	hyper	sig	chr8_76683898
chr8	84182733	84182733	+	3.204E-17	6.22233E-16	0.229053	hyper	sig	chr8_84182733
chr5	1.41E+08	141364905	+	3.204E-17	6.22293E-16	0.20208	hyper	sig	chr5_141364905
chr16	89371152	89371152	+	3.21E-17	6.23442E-16	0.226116	hyper	sig	chr16_89371152
chr14	51351777	51351777	+	3.212E-17	6.237E-16	-0.22401	hypo	sig	chr14_51351777
chr16	89316048	89316048	+	3.218E-17	6.2489E-16	-0.23876	hypo	sig	chr16_89316048
chr14	77126818	77126818	+	3.219E-17	6.25102E-16	-0.22857	hypo	sig	chr14_77126818
chr1	18600002	18600002	+	3.223E-17	6.25864E-16	-0.26739	hypo	sig	chr1_18600002
chr12	53966600	53966600	+	3.226E-17	6.26385E-16	0.30519	hyper	sig	chr12_53966600
chr20	45316890	45316890	+	3.232E-17	6.27398E-16	0.369166	hyper	sig	chr20_45316890
chr10	23173389	23173389	+	3.236E-17	6.28195E-16	0.287156	hyper	sig	chr10_23173389
chr4	1.11E+08	110609843	+	3.248E-17	6.30524E-16	0.274327	hyper	sig	chr4_110609843
chr15	70475036	70475036	+	3.269E-17	6.34449E-16	-0.22167	hypo	sig	chr15_70475036
chr5	1.41E+08	140926779	+	3.271E-17	6.34824E-16	0.207436	hyper	sig	chr5_140926779
chr20	17315170	17315170	+	3.283E-17	6.37176E-16	-0.24168	hypo	sig	chr20_17315170
chr20	21608525	21608525	+	3.284E-17	6.37331E-16	-0.2724	hypo	sig	chr20_21608525
chr9	1.37E+08	137243163	+	3.289E-17	6.38303E-16	-0.27197	hypo	sig	chr9_137243163
chr17	79007080	79007080	+	3.291E-17	6.38547E-16	-0.2208	hypo	sig	chr17_79007080
chr16	85165146	85165146	+	3.291E-17	6.38661E-16	-0.24571	hypo	sig	chr16_85165146
chr1	2.21E+08	220887583	+	3.296E-17	6.39604E-16	0.233416	hyper	sig	chr1_220887583
chr2	1.72E+08	172091031	+	3.296E-17	6.39604E-16	0.217901	hyper	sig	chr2_172091031
chr1	78491830	78491830	+	3.298E-17	6.39894E-16	0.223983	hyper	sig	chr1_78491830
chr16	30821274	30821274	+	3.309E-17	6.41935E-16	-0.26214	hypo	sig	chr16_30821274
chr1	1.65E+08	165355164	+	3.31E-17	6.42203E-16	0.208022	hyper	sig	chr1_165355164
chr5	481501	481501	+	3.312E-17	6.42504E-16	-0.20355	hypo	sig	chr5_481501
chr6	84772919	84772919	+	3.32E-17	6.44097E-16	0.231305	hyper	sig	chr6_84772919
chr10	1.23E+08	123143381	+	3.324E-17	6.44887E-16	0.230671	hyper	sig	chr10_123143381
chr13	35476239	35476239	+	3.328E-17	6.45507E-16	0.227705	hyper	sig	chr13_35476239

chr17	80441205	80441205	+	3.33E-17	6.45984E-16	-0.21957	hypo	sig	chr17_80441205
chr17	49964535	49964535	+	3.337E-17	6.47268E-16	0.274137	hyper	sig	chr17_49964535
chr8	1.41E+08	141085177	+	3.339E-17	6.47591E-16	-0.20033	hypo	sig	chr8_141085177
chr19	36792011	36792011	+	3.341E-17	6.47887E-16	0.258204	hyper	sig	chr19_36792011
chr16	85209280	85209280	+	3.343E-17	6.48384E-16	-0.22853	hypo	sig	chr16_85209280
chr5	71601569	71601569	+	3.344E-17	6.48592E-16	-0.24996	hypo	sig	chr5_71601569
chr17	52160271	52160271	+	3.344E-17	6.486E-16	0.231934	hyper	sig	chr17_52160271
chr1	90729920	90729920	+	3.369E-17	6.53217E-16	0.203341	hyper	sig	chr1_90729920
chr5	1.79E+08	179260707	+	3.372E-17	6.53769E-16	-0.252	hypo	sig	chr5_179260707
chr2	1.27E+08	126774763	+	3.373E-17	6.53942E-16	-0.22295	hypo	sig	chr2_126774763
chr10	1.01E+08	101226192	+	3.377E-17	6.54828E-16	0.233969	hyper	sig	chr10_101226192
chr7	5304004	5304004	+	3.38E-17	6.55268E-16	-0.24112	hypo	sig	chr7_5304004
chr19	58440714	58440714	+	3.387E-17	6.56532E-16	0.25708	hyper	sig	chr19_58440714
chr13	36432047	36432047	+	3.387E-17	6.56609E-16	0.265457	hyper	sig	chr13_36432047
chr16	4332730	4332730	+	3.395E-17	6.58143E-16	-0.23163	hypo	sig	chr16_4332730
chr11	1.23E+08	122977356	+	3.407E-17	6.60382E-16	0.254669	hyper	sig	chr11_122977356
chr3	27730423	27730423	+	3.413E-17	6.61443E-16	0.285817	hyper	sig	chr3_27730423
chr19	30672040	30672040	+	3.415E-17	6.61858E-16	-0.26207	hypo	sig	chr19_30672040
chr19	57130595	57130595	+	3.427E-17	6.64111E-16	-0.21597	hypo	sig	chr19_57130595
chr20	21702893	21702893	+	3.436E-17	6.65684E-16	0.245077	hyper	sig	chr20_21702893
chr20	25081126	25081126	+	3.436E-17	6.65809E-16	0.267514	hyper	sig	chr20_25081126
chr15	68575238	68575238	+	3.44E-17	6.66539E-16	-0.24219	hypo	sig	chr15_68575238
chr2	2.41E+08	240672682	+	3.443E-17	6.6697E-16	0.208423	hyper	sig	chr2_240672682
chr18	14748251	14748251	+	3.446E-17	6.67507E-16	0.233449	hyper	sig	chr18_14748251
chr7	64495348	64495348	+	3.45E-17	6.68268E-16	0.244527	hyper	sig	chr7_64495348
chr16	31354821	31354821	+	3.452E-17	6.68634E-16	-0.20657	hypo	sig	chr16_31354821
chr11	57596196	57596196	+	3.456E-17	6.69285E-16	-0.24069	hypo	sig	chr11_57596196
chr7	97021825	97021825	+	3.456E-17	6.69353E-16	0.218654	hyper	sig	chr7_97021825
chr1	1.53E+08	152698288	+	3.458E-17	6.69668E-16	-0.20221	hypo	sig	chr1_152698288
chr7	1.57E+08	157045175	+	3.469E-17	6.71713E-16	-0.23704	hypo	sig	chr7_157045175
chr7	1.28E+08	128250162	+	3.469E-17	6.71772E-16	-0.27837	hypo	sig	chr7_128250162
chr12	1.33E+08	132608978	+	3.47E-17	6.71997E-16	-0.26481	hypo	sig	chr12_132608978
chr11	66281288	66281288	+	3.472E-17	6.72254E-16	-0.20896	hypo	sig	chr11_66281288
chr19	17377726	17377726	+	3.477E-17	6.73259E-16	-0.33662	hypo	sig	chr19_17377726
chr8	73185567	73185567	+	3.479E-17	6.7361E-16	-0.2468	hypo	sig	chr8_73185567
chr1	52842903	52842903	+	3.483E-17	6.74371E-16	0.204159	hyper	sig	chr1_52842903
chr22	45926592	45926592	+	3.49E-17	6.75672E-16	-0.20281	hypo	sig	chr22_45926592
chr4	5890600	5890600	+	3.492E-17	6.76093E-16	0.251163	hyper	sig	chr4_5890600
chr16	72961223	72961223	+	3.499E-17	6.77405E-16	-0.26719	hypo	sig	chr16_72961223
chr2	1.24E+08	124024736	+	3.504E-17	6.78233E-16	0.28873	hyper	sig	chr2_124024736
chr16	88101223	88101223	+	3.508E-17	6.79106E-16	0.224618	hyper	sig	chr16_88101223
chr5	1.41E+08	140834240	+	3.51E-17	6.79347E-16	0.206341	hyper	sig	chr5_140834240
chr10	1.05E+08	104640098	+	3.516E-17	6.80508E-16	0.271039	hyper	sig	chr10_104640098
chr11	2155671	2155671	+	3.518E-17	6.80813E-16	-0.21863	hypo	sig	chr11_2155671
chr5	93595496	93595496	+	3.519E-17	6.81112E-16	0.207876	hyper	sig	chr5_93595496
chr16	1135381	1135381	+	3.522E-17	6.81494E-16	-0.2112	hypo	sig	chr16_1135381
chr2	1.32E+08	131646869	+	3.534E-17	6.83912E-16	0.283194	hyper	sig	chr2_131646869
chr9	96687185	96687185	+	3.539E-17	6.84854E-16	0.220499	hyper	sig	chr9_96687185
chr16	70646288	70646288	+	3.546E-17	6.86107E-16	-0.28574	hypo	sig	chr16_70646288
chr11	14905451	14905451	+	3.555E-17	6.87771E-16	0.250059	hyper	sig	chr11_14905451
chr1	31591805	31591805	+	3.558E-17	6.88344E-16	-0.23042	hypo	sig	chr1_31591805
chr8	1.44E+08	144050367	+	3.563E-17	6.89294E-16	0.244223	hyper	sig	chr8_144050367
chr5	1.79E+08	179218681	+	3.57E-17	6.90559E-16	-0.25514	hypo	sig	chr5_179218681
chr10	1.33E+08	133217032	+	3.573E-17	6.91232E-16	-0.21533	hypo	sig	chr10_133217032
chr10	44293422	44293422	+	3.58E-17	6.92415E-16	0.220232	hyper	sig	chr10_44293422
chr5	1.41E+08	141423066	+	3.587E-17	6.93837E-16	0.231378	hyper	sig	chr5_141423066

chr15	59993468	59993468	+	3.591E-17	6.94523E-16	0.23106	hyper	sig	chr15_59993468
chr16	49599051	49599051	+	3.598E-17	6.95835E-16	-0.21928	hypo	sig	chr16_49599051
chr3	1.26E+08	126341421	+	3.602E-17	6.96539E-16	-0.2569	hypo	sig	chr3_126341421
chr11	58830789	58830789	+	3.607E-17	6.97506E-16	0.217976	hyper	sig	chr11_58830789
chr2	95025297	95025297	+	3.61E-17	6.9815E-16	0.246195	hyper	sig	chr2_95025297
chr11	94401502	94401502	+	3.615E-17	6.98923E-16	0.214979	hyper	sig	chr11_94401502
chr18	37328663	37328663	+	3.62E-17	6.99933E-16	-0.22401	hypo	sig	chr18_37328663
chr4	1.57E+08	157222671	+	3.628E-17	7.01555E-16	0.218141	hyper	sig	chr4_157222671
chr17	13602482	13602482	+	3.63E-17	7.01785E-16	0.230292	hyper	sig	chr17_13602482
chr16	49277871	49277871	+	3.631E-17	7.01916E-16	0.24461	hyper	sig	chr16_49277871
chr5	1.79E+08	178941340	+	3.632E-17	7.02132E-16	0.315198	hyper	sig	chr5_178941340
chr9	92807276	92807276	+	3.637E-17	7.03053E-16	0.250751	hyper	sig	chr9_92807276
chr5	1.41E+08	141100395	+	3.644E-17	7.04332E-16	0.244116	hyper	sig	chr5_141100395
chr5	1106956	1106956	+	3.646E-17	7.04876E-16	-0.22726	hypo	sig	chr5_1106956
chr3	28575224	28575224	+	3.647E-17	7.05054E-16	0.31288	hyper	sig	chr3_28575224
chr1	2.34E+08	234216859	+	3.649E-17	7.05383E-16	-0.23567	hypo	sig	chr1_234216859
chr2	2.35E+08	235053977	+	3.649E-17	7.05383E-16	-0.24946	hypo	sig	chr2_235053977
chr12	1.31E+08	131496680	+	3.652E-17	7.05793E-16	-0.21477	hypo	sig	chr12_131496680
chr4	61200182	61200182	+	3.656E-17	7.06584E-16	0.229315	hyper	sig	chr4_61200182
chr3	1.3E+08	129975406	+	3.659E-17	7.07134E-16	0.381822	hyper	sig	chr3_129975406
chr4	41882520	41882520	+	3.662E-17	7.07664E-16	0.243032	hyper	sig	chr4_41882520
chr17	79423399	79423399	+	3.664E-17	7.08003E-16	-0.2178	hypo	sig	chr17_79423399
chr2	1.24E+08	124024653	+	3.665E-17	7.08105E-16	0.239734	hyper	sig	chr2_124024653
chr21	29298152	29298152	+	3.665E-17	7.0825E-16	-0.2051	hypo	sig	chr21_29298152
chr8	1.43E+08	142911359	+	3.666E-17	7.0828E-16	-0.27161	hypo	sig	chr8_142911359
chr8	1.01E+08	100860313	+	3.666E-17	7.08328E-16	-0.24819	hypo	sig	chr8_100860313
chr19	56671873	56671873	+	3.671E-17	7.09287E-16	0.256649	hyper	sig	chr19_56671873
chr17	81003836	81003836	+	3.68E-17	7.10884E-16	-0.20807	hypo	sig	chr17_81003836
chr11	2328624	2328624	+	3.683E-17	7.11562E-16	-0.29458	hypo	sig	chr11_2328624
chr19	52370295	52370295	+	3.694E-17	7.13535E-16	0.239759	hyper	sig	chr19_52370295
chr6	1.68E+08	168281017	+	3.696E-17	7.14011E-16	-0.20417	hypo	sig	chr6_168281017
chr11	1354096	1354096	+	3.7E-17	7.14639E-16	-0.23103	hypo	sig	chr11_1354096
chr1	14915720	14915720	+	3.706E-17	7.15879E-16	-0.2881	hypo	sig	chr1_14915720
chr10	1212070	1212070	+	3.707E-17	7.15934E-16	-0.26573	hypo	sig	chr10_1212070
chr10	49610860	49610860	+	3.71E-17	7.16455E-16	0.214192	hyper	sig	chr10_49610860
chr9	1.37E+08	137249271	+	3.714E-17	7.17312E-16	-0.23243	hypo	sig	chr9_137249271
chr2	38073740	38073740	+	3.715E-17	7.17555E-16	0.225956	hyper	sig	chr2_38073740
chr3	62369768	62369768	+	3.716E-17	7.17726E-16	0.275177	hyper	sig	chr3_62369768
chr15	29111066	29111066	+	3.718E-17	7.18037E-16	-0.2834	hypo	sig	chr15_29111066
chr22	42131076	42131076	+	3.718E-17	7.18068E-16	-0.20765	hypo	sig	chr22_42131076
chr19	8592643	8592643	+	3.72E-17	7.18377E-16	0.204558	hyper	sig	chr19_8592643
chr9	1.34E+08	133674260	+	3.725E-17	7.19209E-16	-0.26704	hypo	sig	chr9_133674260
chr11	1.21E+08	120987771	+	3.725E-17	7.19231E-16	-0.22825	hypo	sig	chr11_120987771
chr20	21714244	21714244	+	3.734E-17	7.20997E-16	0.24428	hyper	sig	chr20_21714244
chr17	41480424	41480424	+	3.737E-17	7.21391E-16	-0.20913	hypo	sig	chr17_41480424
chr19	2511716	2511716	+	3.745E-17	7.22953E-16	-0.25426	hypo	sig	chr19_2511716
chr5	88695298	88695298	+	3.753E-17	7.24567E-16	0.254901	hyper	sig	chr5_88695298
chr3	87052278	87052278	+	3.756E-17	7.25005E-16	-0.22189	hypo	sig	chr3_87052278
chr10	99531164	99531164	+	3.756E-17	7.25073E-16	0.202906	hyper	sig	chr10_99531164
chr20	63044219	63044219	+	3.756E-17	7.25079E-16	-0.20995	hypo	sig	chr20_63044219
chr10	22253515	22253515	+	3.757E-17	7.25191E-16	0.214002	hyper	sig	chr10_22253515
chr1	51594759	51594759	+	3.764E-17	7.26451E-16	-0.21776	hypo	sig	chr1_51594759
chr2	2.13E+08	212536697	+	3.767E-17	7.27043E-16	0.244495	hyper	sig	chr2_212536697
chr1	2.31E+08	231160911	+	3.771E-17	7.27862E-16	0.291031	hyper	sig	chr1_231160911
chr1	1.19E+08	119006473	+	3.773E-17	7.28191E-16	0.231209	hyper	sig	chr1_119006473
chr19	58350681	58350681	+	3.781E-17	7.29621E-16	0.214736	hyper	sig	chr19_58350681

chr9	97857711	97857711	+	3.781E-17	7.2971E-16	0.204697	hyper	sig	chr9_97857711
chr5	537468	537468	+	3.784E-17	7.3026E-16	-0.22023	hypo	sig	chr5_537468
chr4	1.55E+08	155377137	+	3.792E-17	7.31629E-16	0.203191	hyper	sig	chr4_155377137
chr3	62370702	62370702	+	3.792E-17	7.31698E-16	0.229054	hyper	sig	chr3_62370702
chr12	53955457	53955457	+	3.803E-17	7.33837E-16	0.227506	hyper	sig	chr12_53955457
chr6	1.68E+08	168001622	+	3.805E-17	7.34102E-16	-0.21232	hypo	sig	chr6_168001622
chr1	75135619	75135619	+	3.808E-17	7.34586E-16	0.218926	hyper	sig	chr1_75135619
chr19	48837275	48837275	+	3.809E-17	7.34924E-16	0.22832	hyper	sig	chr19_48837275
chr2	1.37E+08	136765131	+	3.81E-17	7.35046E-16	0.233932	hyper	sig	chr2_136765131
chr6	99994273	99994273	+	3.813E-17	7.35604E-16	0.233515	hyper	sig	chr6_99994273
chr2	20670396	20670396	+	3.817E-17	7.36336E-16	0.271267	hyper	sig	chr2_20670396
chr6	31927442	31927442	+	3.823E-17	7.37416E-16	-0.22656	hypo	sig	chr6_31927442
chr5	1.56E+08	155729536	+	3.826E-17	7.38001E-16	0.24188	hyper	sig	chr5_155729536
chr15	43267193	43267193	+	3.836E-17	7.39807E-16	-0.22915	hypo	sig	chr15_43267193
chr12	1.14E+08	114439607	+	3.837E-17	7.39924E-16	0.272519	hyper	sig	chr12_114439607
chr10	25935041	25935041	+	3.838E-17	7.40189E-16	0.254124	hyper	sig	chr10_25935041
chr8	64370424	64370424	+	3.843E-17	7.41048E-16	0.354167	hyper	sig	chr8_64370424
chr8	84183780	84183780	+	3.847E-17	7.41873E-16	0.247261	hyper	sig	chr8_84183780
chr5	1861736	1861736	+	3.857E-17	7.43656E-16	-0.20112	hypo	sig	chr5_1861736
chr12	53938957	53938957	+	3.86E-17	7.44209E-16	0.244248	hyper	sig	chr12_53938957
chr4	1407598	1407598	+	3.86E-17	7.44209E-16	0.273489	hyper	sig	chr4_1407598
chr7	98205262	98205262	+	3.86E-17	7.44209E-16	-0.21643	hypo	sig	chr7_98205262
chr2	1.19E+08	118852117	+	3.869E-17	7.45865E-16	0.207192	hyper	sig	chr2_118852117
chr15	83283039	83283039	+	3.87E-17	7.46152E-16	0.212501	hyper	sig	chr15_83283039
chr17	17352248	17352248	+	3.878E-17	7.4768E-16	-0.21493	hypo	sig	chr17_17352248
chr4	84496590	84496590	+	3.88E-17	7.47936E-16	0.214028	hyper	sig	chr4_84496590
chr7	1.51E+08	151014002	+	3.885E-17	7.48857E-16	0.230547	hyper	sig	chr7_151014002
chr2	98937327	98937327	+	3.891E-17	7.49878E-16	0.291361	hyper	sig	chr2_98937327
chr3	43999644	43999644	+	3.893E-17	7.50331E-16	0.286564	hyper	sig	chr3_43999644
chr3	42985265	42985265	+	3.898E-17	7.51296E-16	-0.21376	hypo	sig	chr3_42985265
chr12	1.14E+08	114444116	+	3.9E-17	7.51492E-16	0.237184	hyper	sig	chr12_114444116
chr5	44389656	44389656	+	3.902E-17	7.51885E-16	0.268251	hyper	sig	chr5_44389656
chr16	66974315	66974315	+	3.904E-17	7.52255E-16	-0.32266	hypo	sig	chr16_66974315
chr8	41312949	41312949	+	3.904E-17	7.52268E-16	-0.2008	hypo	sig	chr8_41312949
chr12	62191458	62191458	+	3.905E-17	7.52373E-16	0.278919	hyper	sig	chr12_62191458
chr7	44327697	44327697	+	3.908E-17	7.52935E-16	-0.25152	hypo	sig	chr7_44327697
chr22	39459849	39459849	+	3.913E-17	7.53912E-16	-0.21169	hypo	sig	chr22_39459849
chr13	1.13E+08	113420042	+	3.915E-17	7.54289E-16	-0.21697	hypo	sig	chr13_113420042
chr1	937088	937088	+	3.918E-17	7.54742E-16	-0.25491	hypo	sig	chr1_937088
chr12	53973032	53973032	+	3.92E-17	7.55199E-16	0.276144	hyper	sig	chr12_53973032
chr2	9725350	9725350	+	3.925E-17	7.56169E-16	-0.20076	hypo	sig	chr2_9725350
chr8	22147988	22147988	+	3.927E-17	7.56375E-16	-0.20547	hypo	sig	chr8_22147988
chr4	1.45E+08	144645369	+	3.937E-17	7.5827E-16	0.20274	hyper	sig	chr4_144645369
chr7	5303529	5303529	+	3.942E-17	7.59308E-16	-0.24227	hypo	sig	chr7_5303529
chr19	3828590	3828590	+	3.945E-17	7.59729E-16	-0.23697	hypo	sig	chr19_3828590
chr10	93065581	93065581	+	3.947E-17	7.60204E-16	0.221133	hyper	sig	chr10_93065581
chr11	1085353	1085353	+	3.958E-17	7.62256E-16	-0.20572	hypo	sig	chr11_1085353
chr9	118047	118047	+	3.958E-17	7.62256E-16	0.342375	hyper	sig	chr9_118047
chr2	31580807	31580807	+	3.961E-17	7.62784E-16	0.245873	hyper	sig	chr2_31580807
chr8	17413099	17413099	+	3.968E-17	7.64032E-16	0.259138	hyper	sig	chr8_17413099
chr10	71805846	71805846	+	3.969E-17	7.64245E-16	-0.20544	hypo	sig	chr10_71805846
chr10	77593180	77593180	+	3.98E-17	7.66194E-16	-0.20097	hypo	sig	chr10_77593180
chr12	1.3E+08	130162744	+	3.981E-17	7.66362E-16	0.230006	hyper	sig	chr12_130162744
chr15	89409469	89409469	+	3.986E-17	7.6731E-16	0.254148	hyper	sig	chr15_89409469
chr14	61865178	61865178	+	3.989E-17	7.67846E-16	-0.23114	hypo	sig	chr14_61865178
chr4	13528470	13528470	+	3.995E-17	7.69018E-16	0.232864	hyper	sig	chr4_13528470

chr12	1.31E+08	131435001	+	4.001E-17	7.70209E-16	0.243673	hyper	sig	chr12_131435001
chr19	31353040	31353040	+	4.008E-17	7.71427E-16	0.264933	hyper	sig	chr19_31353040
chr8	2057615	2057615	+	4.008E-17	7.71427E-16	-0.23243	hypo	sig	chr8_2057615
chr6	32089984	32089984	+	4.01E-17	7.7177E-16	-0.20295	hypo	sig	chr6_32089984
chr16	81692240	81692240	+	4.016E-17	7.72879E-16	-0.25946	hypo	sig	chr16_81692240
chr5	33938791	33938791	+	4.02E-17	7.73603E-16	0.209784	hyper	sig	chr5_33938791
chr6	1.05E+08	104940321	+	4.026E-17	7.74721E-16	0.209893	hyper	sig	chr6_104940321
chr20	20365495	20365495	+	4.03E-17	7.75448E-16	0.282264	hyper	sig	chr20_20365495
chr7	1224441	1224441	+	4.038E-17	7.77015E-16	0.259622	hyper	sig	chr7_1224441
chr4	4034249	4034249	+	4.041E-17	7.77504E-16	-0.22641	hypo	sig	chr4_4034249
chr11	67033095	67033095	+	4.042E-17	7.77624E-16	-0.2798	hypo	sig	chr11_67033095
chr21	44695863	44695863	+	4.042E-17	7.77626E-16	-0.2074	hypo	sig	chr21_44695863
chr1	39684032	39684032	+	4.055E-17	7.80154E-16	0.223829	hyper	sig	chr1_39684032
chr10	90857070	90857070	+	4.057E-17	7.80543E-16	0.285321	hyper	sig	chr10_90857070
chr9	1.37E+08	136739552	+	4.059E-17	7.80844E-16	-0.21297	hypo	sig	chr9_136739552
chr5	1.79E+08	178523687	+	4.065E-17	7.81939E-16	-0.2241	hypo	sig	chr5_178523687
chr15	28921533	28921533	+	4.065E-17	7.82051E-16	-0.2045	hypo	sig	chr15_28921533
chr12	1.08E+08	107774302	+	4.07E-17	7.82922E-16	-0.21923	hypo	sig	chr12_107774302
chr7	23246844	23246844	+	4.076E-17	7.83903E-16	-0.20108	hypo	sig	chr7_23246844
chr5	1.41E+08	141188716	+	4.092E-17	7.87047E-16	0.218974	hyper	sig	chr5_141188716
chr13	1.11E+08	111052028	+	4.097E-17	7.87936E-16	-0.20985	hypo	sig	chr13_111052028
chr5	1153675	1153675	+	4.1E-17	7.88472E-16	-0.23451	hypo	sig	chr5_1153675
chr12	1.31E+08	130884990	+	4.101E-17	7.88707E-16	-0.27765	hypo	sig	chr12_130884990
chr7	24285448	24285448	+	4.108E-17	7.90049E-16	0.236004	hyper	sig	chr7_24285448
chr19	9966578	9966578	+	4.111E-17	7.90483E-16	0.214299	hyper	sig	chr19_9966578
chr13	1.1E+08	110445463	+	4.121E-17	7.92382E-16	-0.22858	hypo	sig	chr13_110445463
chr11	31797614	31797614	+	4.122E-17	7.92608E-16	0.225389	hyper	sig	chr11_31797614
chr1	2.1E+08	209938686	+	4.125E-17	7.93224E-16	0.303278	hyper	sig	chr1_209938686
chr5	1555792	1555792	+	4.152E-17	7.98152E-16	-0.25475	hypo	sig	chr5_1555792
chr1	1.45E+08	144551204	+	4.156E-17	7.98942E-16	0.237041	hyper	sig	chr1_144551204
chr8	64578559	64578559	+	4.157E-17	7.99094E-16	0.242929	hyper	sig	chr8_64578559
chr11	1.12E+08	111912861	+	4.175E-17	8.02398E-16	0.204596	hyper	sig	chr11_111912861
chr11	8811500	8811500	+	4.183E-17	8.03975E-16	-0.22926	hypo	sig	chr11_8811500
chr7	1308717	1308717	+	4.191E-17	8.0549E-16	-0.22086	hypo	sig	chr7_1308717
chr1	2378776	2378776	+	4.192E-17	8.05542E-16	-0.20104	hypo	sig	chr1_2378776
chr16	87914173	87914173	+	4.192E-17	8.05563E-16	-0.21391	hypo	sig	chr16_87914173
chr2	2.13E+08	212536620	+	4.192E-17	8.05689E-16	0.233812	hyper	sig	chr2_212536620
chr3	62377997	62377997	+	4.199E-17	8.06948E-16	0.2938	hyper	sig	chr3_62377997
chr8	11853402	11853402	+	4.204E-17	8.07755E-16	-0.22086	hypo	sig	chr8_11853402
chr8	1.34E+08	133747133	+	4.208E-17	8.08492E-16	-0.23883	hypo	sig	chr8_133747133
chr12	53945145	53945145	+	4.209E-17	8.0873E-16	0.219525	hyper	sig	chr12_53945145
chr15	96417033	96417033	+	4.22E-17	8.10689E-16	0.202703	hyper	sig	chr15_96417033
chr17	83084946	83084946	+	4.229E-17	8.12469E-16	-0.21863	hypo	sig	chr17_83084946
chr17	824618	824618	+	4.232E-17	8.12968E-16	-0.25012	hypo	sig	chr17_824618
chr10	1.01E+08	101291454	+	4.242E-17	8.14872E-16	0.218544	hyper	sig	chr10_101291454
chr4	1.66E+08	165874072	+	4.246E-17	8.15564E-16	0.23466	hyper	sig	chr4_165874072
chr7	1.49E+08	149280556	+	4.247E-17	8.15781E-16	-0.23535	hypo	sig	chr7_149280556
chr6	1.7E+08	170107946	+	4.254E-17	8.17101E-16	-0.2392	hypo	sig	chr6_170107946
chr10	1.24E+08	124058408	+	4.255E-17	8.1729E-16	-0.26843	hypo	sig	chr10_124058408
chr15	82681011	82681011	+	4.266E-17	8.19411E-16	0.235176	hyper	sig	chr15_82681011
chr15	92656228	92656228	+	4.279E-17	8.21763E-16	-0.25437	hypo	sig	chr15_92656228
chr1	1.08E+08	107964432	+	4.284E-17	8.22696E-16	0.238931	hyper	sig	chr1_107964432
chr6	63571738	63571738	+	4.286E-17	8.23075E-16	-0.24603	hypo	sig	chr6_63571738
chr7	73424446	73424446	+	4.297E-17	8.25223E-16	0.212692	hyper	sig	chr7_73424446
chr19	36604627	36604627	+	4.308E-17	8.27333E-16	0.291653	hyper	sig	chr19_36604627
chr1	1.1E+08	109668235	+	4.323E-17	8.30083E-16	0.289248	hyper	sig	chr1_109668235

chr4	1561205	1561205	+	4.325E-17	8.30289E-16	-0.20007	hypo	sig	chr4_1561205
chr1	2.17E+08	217138680	+	4.33E-17	8.31307E-16	0.221804	hyper	sig	chr1_217138680
chr15	26866457	26866457	+	4.337E-17	8.32548E-16	0.229596	hyper	sig	chr15_26866457
chr7	4725516	4725516	+	4.342E-17	8.33528E-16	0.213434	hyper	sig	chr7_4725516
chr1	24321860	24321860	+	4.348E-17	8.34632E-16	-0.22113	hypo	sig	chr1_24321860
chr2	949784	949784	+	4.35E-17	8.34994E-16	0.237763	hyper	sig	chr2_949784
chr5	38845574	38845574	+	4.359E-17	8.36731E-16	0.208842	hyper	sig	chr5_38845574
chr13	77919688	77919688	+	4.363E-17	8.37363E-16	0.244795	hyper	sig	chr13_77919688
chr5	1.8E+08	180336419	+	4.363E-17	8.37448E-16	-0.23458	hypo	sig	chr5_180336419
chr6	50849444	50849444	+	4.371E-17	8.38817E-16	0.230455	hyper	sig	chr6_50849444
chr19	5290508	5290508	+	4.378E-17	8.40112E-16	-0.23506	hypo	sig	chr19_5290508
chr15	88769991	88769991	+	4.379E-17	8.40289E-16	0.221485	hyper	sig	chr15_88769991
chr17	81301497	81301497	+	4.379E-17	8.403E-16	-0.22654	hypo	sig	chr17_81301497
chr4	1.56E+08	155758958	+	4.38E-17	8.40473E-16	0.260757	hyper	sig	chr4_155758958
chr6	1E+08	100448138	+	4.382E-17	8.40927E-16	0.256976	hyper	sig	chr6_100448138
chr12	54060561	54060561	+	4.386E-17	8.41609E-16	0.205948	hyper	sig	chr12_54060561
chr3	62377078	62377078	+	4.388E-17	8.4189E-16	0.210334	hyper	sig	chr3_62377078
chr1	42152686	42152686	+	4.388E-17	8.41947E-16	-0.21524	hypo	sig	chr1_42152686
chr17	79465327	79465327	+	4.389E-17	8.4214E-16	-0.26406	hypo	sig	chr17_79465327
chr4	13529403	13529403	+	4.39E-17	8.42285E-16	0.215014	hyper	sig	chr4_13529403
chr8	1.16E+08	115667480	+	4.392E-17	8.42568E-16	0.238106	hyper	sig	chr8_115667480
chr20	62470713	62470713	+	4.393E-17	8.42827E-16	-0.20074	hypo	sig	chr20_62470713
chr1	3227423	3227423	+	4.394E-17	8.42885E-16	-0.2146	hypo	sig	chr1_3227423
chr3	1.47E+08	147396519	+	4.394E-17	8.42964E-16	0.212304	hyper	sig	chr3_147396519
chr6	27680851	27680851	+	4.394E-17	8.43004E-16	0.26693	hyper	sig	chr6_27680851
chr5	71719153	71719153	+	4.395E-17	8.43007E-16	0.332302	hyper	sig	chr5_71719153
chr6	1.06E+08	105981605	+	4.4E-17	8.44078E-16	0.230118	hyper	sig	chr6_105981605
chr2	1.13E+08	113158308	+	4.401E-17	8.44238E-16	-0.21828	hypo	sig	chr2_113158308
chr8	70070737	70070737	+	4.403E-17	8.44593E-16	0.218346	hyper	sig	chr8_70070737
chr1	2.15E+08	215082255	+	4.408E-17	8.45362E-16	0.220935	hyper	sig	chr1_215082255
chr19	37817444	37817444	+	4.414E-17	8.46541E-16	0.244009	hyper	sig	chr19_37817444
chr2	2.4E+08	239609910	+	4.417E-17	8.47224E-16	-0.21198	hypo	sig	chr2_239609910
chr3	1.33E+08	133038405	+	4.418E-17	8.47276E-16	0.250772	hyper	sig	chr3_133038405
chr1	3579463	3579463	+	4.419E-17	8.4743E-16	-0.21454	hypo	sig	chr1_3579463
chr1	99264201	99264201	+	4.42E-17	8.47724E-16	0.24637	hyper	sig	chr1_99264201
chr19	57583707	57583707	+	4.42E-17	8.47724E-16	0.285565	hyper	sig	chr19_57583707
chr15	43184948	43184948	+	4.421E-17	8.47752E-16	-0.24355	hypo	sig	chr15_43184948
chr10	8520809	8520809	+	4.421E-17	8.47756E-16	-0.26619	hypo	sig	chr10_8520809
chr7	1.51E+08	151187607	+	4.421E-17	8.47756E-16	-0.29124	hypo	sig	chr7_151187607
chr19	1472957	1472957	+	4.424E-17	8.48266E-16	-0.20749	hypo	sig	chr19_1472957
chr10	80131910	80131910	+	4.431E-17	8.49592E-16	-0.21506	hypo	sig	chr10_80131910
chr5	5140822	5140822	+	4.434E-17	8.50218E-16	0.243161	hyper	sig	chr5_5140822
chr7	1246619	1246619	+	4.439E-17	8.5099E-16	0.201173	hyper	sig	chr7_1246619
chr15	25863569	25863569	+	4.448E-17	8.52755E-16	0.222186	hyper	sig	chr15_25863569
chr12	1.28E+08	128267722	+	4.451E-17	8.53265E-16	0.225659	hyper	sig	chr12_128267722
chr1	1.19E+08	118980295	+	4.454E-17	8.5379E-16	0.343392	hyper	sig	chr1_118980295
chr11	1.04E+08	104165033	+	4.454E-17	8.5379E-16	-0.23753	hypo	sig	chr11_104165033
chr1	2459210	2459210	+	4.455E-17	8.54022E-16	-0.23377	hypo	sig	chr1_2459210
chr9	1.33E+08	132581075	+	4.465E-17	8.55873E-16	0.232425	hyper	sig	chr9_132581075
chr6	73695325	73695325	+	4.469E-17	8.5655E-16	-0.23811	hypo	sig	chr6_73695325
chr3	1.14E+08	114155574	+	4.472E-17	8.57126E-16	-0.27807	hypo	sig	chr3_114155574
chr17	19978301	19978301	+	4.476E-17	8.57847E-16	0.257548	hyper	sig	chr17_19978301
chr20	50343811	50343811	+	4.489E-17	8.60353E-16	-0.20188	hypo	sig	chr20_50343811
chr19	2242141	2242141	+	4.494E-17	8.61123E-16	0.204884	hyper	sig	chr19_2242141
chr15	95327261	95327261	+	4.497E-17	8.61672E-16	0.321876	hyper	sig	chr15_95327261
chr3	11017774	11017774	+	4.499E-17	8.62103E-16	-0.28047	hypo	sig	chr3_11017774

chr16	3365309	3365309	+	4.5E-17	8.6222E-16	0.200792	hyper	sig	chr16_3365309
chr20	21397859	21397859	+	4.5E-17	8.6223E-16	0.302276	hyper	sig	chr20_21397859
chr1	78491596	78491596	+	4.504E-17	8.6301E-16	0.22509	hyper	sig	chr1_78491596
chr5	63961736	63961736	+	4.509E-17	8.63867E-16	0.254732	hyper	sig	chr5_63961736
chr7	1677593	1677593	+	4.514E-17	8.64686E-16	-0.2091	hypo	sig	chr7_1677593
chr19	9363221	9363221	+	4.518E-17	8.65597E-16	0.266029	hyper	sig	chr19_9363221
chr2	10494074	10494074	+	4.522E-17	8.6631E-16	-0.21267	hypo	sig	chr2_10494074
chr17	1203850	1203850	+	4.527E-17	8.67165E-16	0.287226	hyper	sig	chr17_1203850
chr7	63930282	63930282	+	4.534E-17	8.68437E-16	-0.23358	hypo	sig	chr7_63930282
chr16	89056093	89056093	+	4.535E-17	8.68652E-16	-0.24177	hypo	sig	chr16_89056093
chr12	1.28E+08	128381647	+	4.537E-17	8.68994E-16	0.205938	hyper	sig	chr12_128381647
chr9	1.28E+08	128394502	+	4.538E-17	8.69156E-16	-0.23305	hypo	sig	chr9_128394502
chr19	13014428	13014428	+	4.542E-17	8.69915E-16	0.263832	hyper	sig	chr19_13014428
chr6	80070559	80070559	+	4.551E-17	8.71463E-16	-0.24117	hypo	sig	chr6_80070559
chr6	1.61E+08	160679542	+	4.561E-17	8.73321E-16	0.247566	hyper	sig	chr6_160679542
chr1	1.47E+08	147079670	+	4.563E-17	8.73841E-16	0.320661	hyper	sig	chr1_147079670
chr20	843943	843943	+	4.565E-17	8.74048E-16	-0.22458	hypo	sig	chr20_843943
chr2	10013662	10013662	+	4.566E-17	8.74316E-16	-0.21778	hypo	sig	chr2_10013662
chr5	73382288	73382288	+	4.576E-17	8.76153E-16	0.271008	hyper	sig	chr5_73382288
chr17	83075923	83075923	+	4.577E-17	8.76234E-16	-0.20461	hypo	sig	chr17_83075923
chr16	86513663	86513663	+	4.582E-17	8.77149E-16	0.214416	hyper	sig	chr16_86513663
chr4	48299724	48299724	+	4.582E-17	8.77149E-16	-0.25552	hypo	sig	chr4_48299724
chr2	2.28E+08	228181802	+	4.603E-17	8.81112E-16	0.267989	hyper	sig	chr2_228181802
chr8	52939714	52939714	+	4.605E-17	8.81534E-16	0.275804	hyper	sig	chr8_52939714
chr7	1.05E+08	105389721	+	4.612E-17	8.82773E-16	-0.21929	hypo	sig	chr7_105389721
chr16	85637907	85637907	+	4.614E-17	8.83199E-16	-0.22794	hypo	sig	chr16_85637907
chr1	4069713	4069713	+	4.633E-17	8.86659E-16	-0.24499	hypo	sig	chr1_4069713
chr2	95000632	95000632	+	4.633E-17	8.86688E-16	-0.22587	hypo	sig	chr2_95000632
chr12	57628170	57628170	+	4.64E-17	8.87906E-16	0.208915	hyper	sig	chr12_57628170
chr8	10590027	10590027	+	4.64E-17	8.87925E-16	-0.21928	hypo	sig	chr8_10590027
chr11	15114976	15114976	+	4.645E-17	8.88798E-16	0.202542	hyper	sig	chr11_15114976
chr1	1434554	1434554	+	4.645E-17	8.8889E-16	-0.26915	hypo	sig	chr1_1434554
chr3	1.47E+08	147392613	+	4.648E-17	8.89351E-16	0.228213	hyper	sig	chr3_147392613
chr16	66974357	66974357	+	4.654E-17	8.90437E-16	-0.24404	hypo	sig	chr16_66974357
chr7	1.51E+08	151380538	+	4.666E-17	8.92615E-16	-0.20761	hypo	sig	chr7_151380538
chr11	3124345	3124345	+	4.667E-17	8.92834E-16	-0.21482	hypo	sig	chr11_3124345
chr13	35478437	35478437	+	4.671E-17	8.9352E-16	0.274529	hyper	sig	chr13_35478437
chr2	2.37E+08	236581272	+	4.673E-17	8.93984E-16	-0.24493	hypo	sig	chr2_236581272
chr13	27923013	27923013	+	4.68E-17	8.95248E-16	0.382927	hyper	sig	chr13_27923013
chr10	1550699	1550699	+	4.695E-17	8.98058E-16	-0.22286	hypo	sig	chr10_1550699
chr5	1.5E+08	150264446	+	4.695E-17	8.98058E-16	-0.20546	hypo	sig	chr5_150264446
chr19	17377092	17377092	+	4.705E-17	8.99942E-16	-0.22446	hypo	sig	chr19_17377092
chr11	65833349	65833349	+	4.71E-17	9.00743E-16	0.266127	hyper	sig	chr11_65833349
chr14	36584177	36584177	+	4.71E-17	9.00823E-16	0.209097	hyper	sig	chr14_36584177
chr19	13014422	13014422	+	4.72E-17	9.02686E-16	0.265765	hyper	sig	chr19_13014422
chr10	11169059	11169059	+	4.723E-17	9.03124E-16	0.305952	hyper	sig	chr10_11169059
chr14	1.01E+08	100657530	+	4.725E-17	9.03493E-16	-0.22408	hypo	sig	chr14_100657530
chr14	1.05E+08	104952480	+	4.735E-17	9.05375E-16	-0.23666	hypo	sig	chr14_104952480
chr2	1.32E+08	131647035	+	4.736E-17	9.05525E-16	0.265441	hyper	sig	chr2_131647035
chr2	2.24E+08	224441294	+	4.739E-17	9.06074E-16	-0.29134	hypo	sig	chr2_224441294
chr18	47260081	47260081	+	4.746E-17	9.07498E-16	0.266776	hyper	sig	chr18_47260081
chr3	75906968	75906968	+	4.747E-17	9.07727E-16	0.284822	hyper	sig	chr3_75906968
chr4	787484	787484	+	4.754E-17	9.08868E-16	-0.24586	hypo	sig	chr4_787484
chr5	1.41E+08	141224903	+	4.758E-17	9.0965E-16	0.261575	hyper	sig	chr5_141224903
chr6	50706918	50706918	+	4.78E-17	9.13852E-16	0.238283	hyper	sig	chr6_50706918
chr12	1.17E+08	117042528	+	4.789E-17	9.15631E-16	-0.25454	hypo	sig	chr12_117042528

chr20	63177412	63177412	+	4.792E-17	9.16091E-16	0.247894	hyper	sig	chr20_63177412
chr19	814512	814512	+	4.802E-17	9.17922E-16	-0.23668	hypo	sig	chr19_814512
chr15	37098122	37098122	+	4.81E-17	9.19478E-16	0.27002	hyper	sig	chr15_37098122
chr5	1.35E+08	135038971	+	4.826E-17	9.22403E-16	0.241435	hyper	sig	chr5_135038971
chr11	1.08E+08	107592177	+	4.837E-17	9.24422E-16	0.259235	hyper	sig	chr11_107592177
chr2	27255357	27255357	+	4.868E-17	9.30278E-16	-0.27417	hypo	sig	chr2_27255357
chr7	19143911	19143911	+	4.869E-17	9.30355E-16	0.208066	hyper	sig	chr7_19143911
chr17	49994454	49994454	+	4.873E-17	9.31177E-16	0.240417	hyper	sig	chr17_49994454
chr7	1.28E+08	128206686	+	4.873E-17	9.31177E-16	-0.24209	hypo	sig	chr7_128206686
chr8	56445525	56445525	+	4.874E-17	9.31296E-16	0.213091	hyper	sig	chr8_56445525
chr10	1.17E+08	117132057	+	4.878E-17	9.31916E-16	0.254255	hyper	sig	chr10_117132057
chr17	5498942	5498942	+	4.883E-17	9.32889E-16	-0.28251	hypo	sig	chr17_5498942
chr15	67826564	67826564	+	4.891E-17	9.3439E-16	0.233335	hyper	sig	chr15_67826564
chr2	8584538	8584538	+	4.899E-17	9.35917E-16	-0.24783	hypo	sig	chr2_8584538
chr8	1.09E+08	108786926	+	4.906E-17	9.37184E-16	0.287492	hyper	sig	chr8_108786926
chr8	11679519	11679519	+	4.91E-17	9.37917E-16	0.250298	hyper	sig	chr8_11679519
chr17	79985975	79985975	+	4.914E-17	9.38566E-16	-0.22031	hypo	sig	chr17_79985975
chr12	1.14E+08	114439628	+	4.923E-17	9.40206E-16	0.255893	hyper	sig	chr12_114439628
chr3	48914396	48914396	+	4.926E-17	9.40766E-16	-0.26347	hypo	sig	chr3_48914396
chr7	2567085	2567085	+	4.927E-17	9.40897E-16	0.22809	hyper	sig	chr7_2567085
chr10	1.01E+08	100659643	+	4.928E-17	9.41154E-16	0.219774	hyper	sig	chr10_100659643
chr1	7782379	7782379	+	4.932E-17	9.4192E-16	-0.24364	hypo	sig	chr1_7782379
chr7	6871575	6871575	+	4.934E-17	9.42274E-16	-0.21659	hypo	sig	chr7_6871575
chr11	17718850	17718850	+	4.94E-17	9.43337E-16	0.246258	hyper	sig	chr11_17718850
chr9	1.3E+08	129685827	+	4.944E-17	9.43982E-16	-0.22479	hypo	sig	chr9_129685827
chr10	86265322	86265322	+	4.954E-17	9.45813E-16	-0.21525	hypo	sig	chr10_86265322
chr19	4670729	4670729	+	4.954E-17	9.45843E-16	-0.26956	hypo	sig	chr19_4670729
chr1	6080565	6080565	+	4.96E-17	9.46913E-16	-0.2374	hypo	sig	chr1_6080565
chr6	1.46E+08	146434496	+	4.969E-17	9.48706E-16	0.236625	hyper	sig	chr6_146434496
chr5	2748063	2748063	+	4.97E-17	9.48796E-16	0.232823	hyper	sig	chr5_2748063
chr14	1.01E+08	100735269	+	4.99E-17	9.5245E-16	-0.23669	hypo	sig	chr14_100735269
chr10	90857334	90857334	+	4.993E-17	9.53007E-16	0.238142	hyper	sig	chr10_90857334
chr4	1.74E+08	173528798	+	4.995E-17	9.53453E-16	0.260025	hyper	sig	chr4_173528798
chr5	1.41E+08	141431494	+	4.999E-17	9.541E-16	0.218309	hyper	sig	chr5_141431494
chr3	62371162	62371162	+	5.011E-17	9.56423E-16	0.246801	hyper	sig	chr3_62371162
chr6	10384915	10384915	+	5.016E-17	9.57251E-16	0.262128	hyper	sig	chr6_10384915
chr13	36346699	36346699	+	5.017E-17	9.57398E-16	0.223373	hyper	sig	chr13_36346699
chr8	11018024	11018024	+	5.026E-17	9.59218E-16	-0.21339	hypo	sig	chr8_11018024
chr17	77233800	77233800	+	5.029E-17	9.59764E-16	-0.20964	hypo	sig	chr17_77233800
chr2	1.54E+08	153871432	+	5.03E-17	9.59795E-16	0.272669	hyper	sig	chr2_153871432
chr5	493816	493816	+	5.03E-17	9.59807E-16	-0.23122	hypo	sig	chr5_493816
chr19	41933075	41933075	+	5.031E-17	9.59943E-16	-0.32299	hypo	sig	chr19_41933075
chr6	1.68E+08	168180821	+	5.035E-17	9.60713E-16	-0.20898	hypo	sig	chr6_168180821
chr12	55637358	55637358	+	5.044E-17	9.6234E-16	-0.27712	hypo	sig	chr12_55637358
chr13	1.13E+08	112694408	+	5.052E-17	9.63878E-16	-0.21199	hypo	sig	chr13_112694408
chr5	3597340	3597340	+	5.056E-17	9.64661E-16	0.303722	hyper	sig	chr5_3597340
chr2	23554483	23554483	+	5.062E-17	9.65515E-16	-0.2297	hypo	sig	chr2_23554483
chr20	61728338	61728338	+	5.062E-17	9.65525E-16	-0.29064	hypo	sig	chr20_61728338
chr11	49102582	49102582	+	5.066E-17	9.66304E-16	-0.2311	hypo	sig	chr11_49102582
chr15	60002262	60002262	+	5.074E-17	9.67899E-16	0.207409	hyper	sig	chr15_60002262
chr1	1.19E+08	118983512	+	5.106E-17	9.73829E-16	0.249975	hyper	sig	chr1_118983512
chr14	96625197	96625197	+	5.108E-17	9.74073E-16	-0.20376	hypo	sig	chr14_96625197
chr5	1.35E+08	135050471	+	5.118E-17	9.76039E-16	0.235368	hyper	sig	chr5_135050471
chr8	2034894	2034894	+	5.119E-17	9.76154E-16	-0.24947	hypo	sig	chr8_2034894
chr21	32079905	32079905	+	5.128E-17	9.77809E-16	-0.29337	hypo	sig	chr21_32079905
chr7	1.55E+08	155462718	+	5.149E-17	9.8168E-16	0.212807	hyper	sig	chr7_155462718

chr8	2046332	2046332	+	5.149E-17	9.81714E-16	-0.21703	hypo	sig	chr8_2046332
chr3	50303938	50303938	+	5.155E-17	9.82698E-16	-0.22853	hypo	sig	chr3_50303938
chr19	46410392	46410392	+	5.157E-17	9.83079E-16	-0.27892	hypo	sig	chr19_46410392
chr17	48599016	48599016	+	5.159E-17	9.83449E-16	-0.22763	hypo	sig	chr17_48599016
chr17	42979562	42979562	+	5.162E-17	9.83954E-16	-0.30527	hypo	sig	chr17_42979562
chr20	844021	844021	+	5.165E-17	9.8458E-16	-0.23867	hypo	sig	chr20_844021
chr10	1.24E+08	123992111	+	5.169E-17	9.85325E-16	0.227255	hyper	sig	chr10_123992111
chr5	1.41E+08	141421062	+	5.172E-17	9.85895E-16	0.210764	hyper	sig	chr5_141421062
chr4	13543663	13543663	+	5.181E-17	9.87424E-16	0.200303	hyper	sig	chr4_13543663
chr4	4862157	4862157	+	5.192E-17	9.89484E-16	0.232716	hyper	sig	chr4_4862157
chr19	814584	814584	+	5.196E-17	9.90233E-16	-0.21082	hypo	sig	chr19_814584
chr11	66049057	66049057	+	5.198E-17	9.90571E-16	0.250801	hyper	sig	chr11_66049057
chr19	52453550	52453550	+	5.208E-17	9.92423E-16	0.20969	hyper	sig	chr19_52453550
chr16	85637902	85637902	+	5.218E-17	9.94341E-16	-0.20976	hypo	sig	chr16_85637902
chr16	72961207	72961207	+	5.219E-17	9.94509E-16	-0.28325	hypo	sig	chr16_72961207
chr10	5646621	5646621	+	5.22E-17	9.94601E-16	-0.21628	hypo	sig	chr10_5646621
chr1	51331278	51331278	+	5.227E-17	9.96024E-16	-0.24995	hypo	sig	chr1_51331278
chr19	39308434	39308434	+	5.228E-17	9.96194E-16	0.235401	hyper	sig	chr19_39308434
chr1	9652942	9652942	+	5.241E-17	9.98606E-16	0.203439	hyper	sig	chr1_9652942
chr7	8434936	8434936	+	5.245E-17	9.99288E-16	0.248816	hyper	sig	chr7_8434936
chr11	32428951	32428951	+	5.246E-17	9.99353E-16	0.217322	hyper	sig	chr11_32428951
chr19	36792005	36792005	+	5.248E-17	9.99766E-16	0.249714	hyper	sig	chr19_36792005
chr6	10887425	10887425	+	5.267E-17	1.00329E-15	0.252905	hyper	sig	chr6_10887425
chr6	27505909	27505909	+	5.273E-17	1.00439E-15	0.229492	hyper	sig	chr6_27505909
chr21	33025378	33025378	+	5.277E-17	1.00513E-15	0.210985	hyper	sig	chr21_33025378
chr12	1.14E+08	114444814	+	5.283E-17	1.00618E-15	0.254288	hyper	sig	chr12_114444814
chr10	25935038	25935038	+	5.303E-17	1.00989E-15	0.27448	hyper	sig	chr10_25935038
chr8	22147368	22147368	+	5.324E-17	1.01372E-15	-0.23556	hypo	sig	chr8_22147368
chr19	41844697	41844697	+	5.329E-17	1.01468E-15	-0.28809	hypo	sig	chr19_41844697
chr2	2.32E+08	232415834	+	5.331E-17	1.01502E-15	-0.24285	hypo	sig	chr2_232415834
chr3	49660025	49660025	+	5.332E-17	1.01528E-15	-0.24041	hypo	sig	chr3_49660025
chr2	1.72E+08	172234008	+	5.343E-17	1.0172E-15	-0.20551	hypo	sig	chr2_172234008
chr3	198050	198050	+	5.343E-17	1.01721E-15	0.317333	hyper	sig	chr3_198050
chr16	57529535	57529535	+	5.355E-17	1.01929E-15	-0.20277	hypo	sig	chr16_57529535
chr3	42772879	42772879	+	5.358E-17	1.01991E-15	0.339935	hyper	sig	chr3_42772879
chr2	85584224	85584224	+	5.361E-17	1.0205E-15	0.207608	hyper	sig	chr2_85584224
chr10	1.01E+08	101218231	+	5.362E-17	1.02062E-15	0.224386	hyper	sig	chr10_101218231
chr19	49073758	49073758	+	5.363E-17	1.02071E-15	-0.2414	hypo	sig	chr19_49073758
chr19	56671604	56671604	+	5.37E-17	1.02214E-15	0.254663	hyper	sig	chr19_56671604
chr16	1533935	1533935	+	5.374E-17	1.02275E-15	0.205189	hyper	sig	chr16_1533935
chr17	81025526	81025526	+	5.381E-17	1.02409E-15	-0.21091	hypo	sig	chr17_81025526
chr9	1.36E+08	135788104	+	5.381E-17	1.02415E-15	-0.25236	hypo	sig	chr9_135788104
chr16	86733072	86733072	+	5.383E-17	1.02433E-15	0.240713	hyper	sig	chr16_86733072
chr4	65669405	65669405	+	5.391E-17	1.02596E-15	0.240114	hyper	sig	chr4_65669405
chr19	37817499	37817499	+	5.395E-17	1.02653E-15	0.308916	hyper	sig	chr19_37817499
chr5	64507088	64507088	+	5.397E-17	1.02704E-15	0.252765	hyper	sig	chr5_64507088
chr19	45591425	45591425	+	5.409E-17	1.02916E-15	-0.27946	hypo	sig	chr19_45591425
chr1	9717812	9717812	+	5.431E-17	1.03331E-15	-0.24875	hypo	sig	chr1_9717812
chr20	61293306	61293306	+	5.433E-17	1.03354E-15	-0.26759	hypo	sig	chr20_61293306
chr12	1.13E+08	113479738	+	5.433E-17	1.03356E-15	0.258432	hyper	sig	chr12_113479738
chr20	38805570	38805570	+	5.437E-17	1.03438E-15	0.23439	hyper	sig	chr20_38805570
chr14	85529445	85529445	+	5.438E-17	1.03442E-15	0.3154	hyper	sig	chr14_85529445
chr16	29157435	29157435	+	5.442E-17	1.03521E-15	-0.26051	hypo	sig	chr16_29157435
chr8	47763164	47763164	+	5.446E-17	1.03585E-15	0.205776	hyper	sig	chr8_47763164
chr7	1.29E+08	128511925	+	5.446E-17	1.03588E-15	-0.2459	hypo	sig	chr7_128511925
chr2	394518	394518	+	5.449E-17	1.03647E-15	-0.21825	hypo	sig	chr2_394518

chr10	774964	774964	+	5.45E-17	1.03667E-15	-0.22262	hypo	sig	chr10_774964
chr10	1.01E+08	101140254	+	5.458E-17	1.03813E-15	0.214453	hyper	sig	chr10_101140254
chr12	53930776	53930776	+	5.461E-17	1.03861E-15	0.217782	hyper	sig	chr12_53930776
chr20	46030327	46030327	+	5.461E-17	1.03861E-15	0.301687	hyper	sig	chr20_46030327
chr7	1.29E+08	128915671	+	5.464E-17	1.03916E-15	0.232684	hyper	sig	chr7_128915671
chr5	1.41E+08	141388273	+	5.473E-17	1.04078E-15	0.249498	hyper	sig	chr5_141388273
chr5	1.81E+08	181114978	+	5.486E-17	1.04325E-15	0.221841	hyper	sig	chr5_181114978
chr16	67165615	67165615	+	5.504E-17	1.04657E-15	0.212719	hyper	sig	chr16_67165615
chr5	93587978	93587978	+	5.505E-17	1.04664E-15	0.23744	hyper	sig	chr5_93587978
chr1	43706125	43706125	+	5.507E-17	1.04712E-15	-0.22734	hypo	sig	chr1_43706125
chr3	56464290	56464290	+	5.518E-17	1.04901E-15	-0.23107	hypo	sig	chr3_56464290
chr19	2513606	2513606	+	5.522E-17	1.04974E-15	-0.28406	hypo	sig	chr19_2513606
chr11	841295	841295	+	5.53E-17	1.05129E-15	-0.20071	hypo	sig	chr11_841295
chr15	34495861	34495861	+	5.535E-17	1.05217E-15	0.225838	hyper	sig	chr15_34495861
chr2	88453135	88453135	+	5.535E-17	1.05217E-15	0.231535	hyper	sig	chr2_88453135
chr17	733900	733900	+	5.536E-17	1.0523E-15	-0.29683	hypo	sig	chr17_733900
chr10	1.23E+08	123148222	+	5.537E-17	1.05245E-15	0.204166	hyper	sig	chr10_123148222
chr7	1315287	1315287	+	5.546E-17	1.05413E-15	-0.21379	hypo	sig	chr7_1315287
chr20	56924490	56924490	+	5.549E-17	1.05468E-15	0.201904	hyper	sig	chr20_56924490
chr19	9498621	9498621	+	5.551E-17	1.05495E-15	0.248762	hyper	sig	chr19_9498621
chr17	78187551	78187551	+	5.553E-17	1.05536E-15	-0.21319	hypo	sig	chr17_78187551
chr16	701603	701603	+	5.554E-17	1.05543E-15	-0.22215	hypo	sig	chr16_701603
chr14	1.04E+08	104422693	+	5.56E-17	1.05658E-15	0.201015	hyper	sig	chr14_104422693
chr7	1.5E+08	149734146	+	5.567E-17	1.05795E-15	-0.24492	hypo	sig	chr7_149734146
chr9	1.33E+08	133205688	+	5.582E-17	1.06062E-15	-0.25287	hypo	sig	chr9_133205688
chr1	65526082	65526082	+	5.582E-17	1.06067E-15	0.258043	hyper	sig	chr1_65526082
chr7	1.57E+08	157392577	+	5.589E-17	1.06189E-15	-0.22535	hypo	sig	chr7_157392577
chr3	62370448	62370448	+	5.59E-17	1.06211E-15	0.243481	hyper	sig	chr3_62370448
chr5	1.41E+08	141357482	+	5.607E-17	1.06513E-15	0.20383	hyper	sig	chr5_141357482
chr8	64382055	64382055	+	5.619E-17	1.06744E-15	0.240315	hyper	sig	chr8_64382055
chr19	403795	403795	+	5.62E-17	1.06755E-15	-0.27039	hypo	sig	chr19_403795
chr17	82320454	82320454	+	5.625E-17	1.0685E-15	-0.23446	hypo	sig	chr17_82320454
chr20	21020529	21020529	+	5.625E-17	1.06856E-15	0.229651	hyper	sig	chr20_21020529
chr17	28717345	28717345	+	5.634E-17	1.0702E-15	0.208967	hyper	sig	chr17_28717345
chr19	33525166	33525166	+	5.645E-17	1.07212E-15	-0.21401	hypo	sig	chr19_33525166
chr15	79090693	79090693	+	5.648E-17	1.0727E-15	0.311267	hyper	sig	chr15_79090693
chr7	4837348	4837348	+	5.649E-17	1.07288E-15	-0.22452	hypo	sig	chr7_4837348
chr19	22422454	22422454	+	5.658E-17	1.07452E-15	0.232054	hyper	sig	chr19_22422454
chr7	6871588	6871588	+	5.663E-17	1.0754E-15	-0.20471	hypo	sig	chr7_6871588
chr3	13011768	13011768	+	5.665E-17	1.07579E-15	-0.24304	hypo	sig	chr3_13011768
chr2	20107012	20107012	+	5.675E-17	1.07763E-15	0.255311	hyper	sig	chr2_20107012
chr2	2.18E+08	218387102	+	5.681E-17	1.07877E-15	-0.24634	hypo	sig	chr2_218387102
chr7	57868085	57868085	+	5.682E-17	1.07894E-15	0.258102	hyper	sig	chr7_57868085
chr9	22447695	22447695	+	5.683E-17	1.07904E-15	0.22835	hyper	sig	chr9_22447695
chr11	1.18E+08	117877797	+	5.694E-17	1.08122E-15	-0.26738	hypo	sig	chr11_117877797
chr6	1E+08	100467409	+	5.695E-17	1.08128E-15	0.260725	hyper	sig	chr6_100467409
chr1	47450211	47450211	+	5.702E-17	1.08262E-15	-0.20543	hypo	sig	chr1_47450211
chr2	1.75E+08	174730526	+	5.714E-17	1.08478E-15	0.310821	hyper	sig	chr2_174730526
chr6	1E+08	100467301	+	5.716E-17	1.08518E-15	0.225208	hyper	sig	chr6_100467301
chr7	23245478	23245478	+	5.717E-17	1.08535E-15	-0.28331	hypo	sig	chr7_23245478
chr2	2.07E+08	206642309	+	5.717E-17	1.08539E-15	0.255189	hyper	sig	chr2_206642309
chr7	96992916	96992916	+	5.72E-17	1.08586E-15	0.275518	hyper	sig	chr7_96992916
chr19	36775823	36775823	+	5.724E-17	1.08656E-15	0.289546	hyper	sig	chr19_36775823
chr1	2.29E+08	229434441	+	5.725E-17	1.08675E-15	0.20539	hyper	sig	chr1_229434441
chr4	55157814	55157814	+	5.726E-17	1.0869E-15	0.271429	hyper	sig	chr4_55157814
chr5	1.77E+08	176619898	+	5.73E-17	1.08754E-15	0.218108	hyper	sig	chr5_176619898

chr3	1.2E+08	119810215	+	5.733E-17	1.08811E-15	0.278928	hyper	sig	chr3_119810215
chr6	1.08E+08	108171063	+	5.735E-17	1.08854E-15	0.326126	hyper	sig	chr6_108171063
chr16	3183826	3183826	+	5.742E-17	1.08981E-15	0.213491	hyper	sig	chr16_3183826
chr21	44285261	44285261	+	5.75E-17	1.09116E-15	-0.23778	hypo	sig	chr21_44285261
chr13	26051110	26051110	+	5.752E-17	1.09149E-15	0.243972	hyper	sig	chr13_26051110
chr6	1.46E+08	146434447	+	5.754E-17	1.09185E-15	0.243396	hyper	sig	chr6_146434447
chr16	88416333	88416333	+	5.759E-17	1.09276E-15	-0.26383	hypo	sig	chr16_88416333
chr19	57935196	57935196	+	5.76E-17	1.093E-15	0.253534	hyper	sig	chr19_57935196
chr3	1.86E+08	186193566	+	5.769E-17	1.09459E-15	0.223978	hyper	sig	chr3_186193566
chr13	1.02E+08	101919839	+	5.77E-17	1.09477E-15	0.271364	hyper	sig	chr13_101919839
chr7	1E+08	100177898	+	5.77E-17	1.09479E-15	0.201011	hyper	sig	chr7_100177898
chr4	54231861	54231861	+	5.771E-17	1.09483E-15	0.208147	hyper	sig	chr4_54231861
chr9	91421193	91421193	+	5.772E-17	1.0951E-15	0.205404	hyper	sig	chr9_91421193
chr3	1.41E+08	141052523	+	5.789E-17	1.09809E-15	0.264525	hyper	sig	chr3_141052523
chr13	94703952	94703952	+	5.795E-17	1.0992E-15	0.27619	hyper	sig	chr13_94703952
chr3	1.33E+08	133038194	+	5.796E-17	1.09941E-15	0.233117	hyper	sig	chr3_133038194
chr2	1.98E+08	197786579	+	5.798E-17	1.0998E-15	0.212199	hyper	sig	chr2_197786579
chr20	63043685	63043685	+	5.798E-17	1.0998E-15	-0.22207	hypo	sig	chr20_63043685
chr17	79048398	79048398	+	5.803E-17	1.10065E-15	-0.292	hypo	sig	chr17_79048398
chr14	51752543	51752543	+	5.809E-17	1.10169E-15	-0.23857	hypo	sig	chr14_51752543
chr10	72217072	72217072	+	5.815E-17	1.10286E-15	-0.24462	hypo	sig	chr10_72217072
chr3	1.43E+08	143118749	+	5.819E-17	1.10363E-15	0.253066	hyper	sig	chr3_143118749
chr1	1.48E+08	148309971	+	5.836E-17	1.10684E-15	0.267685	hyper	sig	chr1_148309971
chr1	2.28E+08	228158333	+	5.842E-17	1.10778E-15	0.243577	hyper	sig	chr1_228158333
chr17	57040783	57040783	+	5.844E-17	1.10811E-15	-0.24974	hypo	sig	chr17_57040783
chr1	2.08E+08	207669913	+	5.851E-17	1.10951E-15	0.200235	hyper	sig	chr1_207669913
chr9	19789429	19789429	+	5.863E-17	1.1116E-15	0.235442	hyper	sig	chr9_19789429
chr17	34577236	34577236	+	5.866E-17	1.11219E-15	-0.26785	hypo	sig	chr17_34577236
chr1	90719569	90719569	+	5.867E-17	1.11228E-15	0.213057	hyper	sig	chr1_90719569
chr11	2172039	2172039	+	5.874E-17	1.1136E-15	-0.28549	hypo	sig	chr11_2172039
chr7	99539386	99539386	+	5.874E-17	1.11369E-15	-0.24932	hypo	sig	chr7_99539386
chr10	1.19E+08	118595617	+	5.887E-17	1.11604E-15	0.239976	hyper	sig	chr10_118595617
chr9	95091740	95091740	+	5.889E-17	1.11631E-15	-0.2038	hypo	sig	chr9_95091740
chr5	42945061	42945061	+	5.905E-17	1.11933E-15	-0.26205	hypo	sig	chr5_42945061
chr22	49625282	49625282	+	5.906E-17	1.11946E-15	-0.27736	hypo	sig	chr22_49625282
chr22	49324366	49324366	+	5.92E-17	1.12191E-15	-0.2751	hypo	sig	chr22_49324366
chr12	1.32E+08	132329025	+	5.921E-17	1.12217E-15	0.220072	hyper	sig	chr12_132329025
chr5	38845680	38845680	+	5.923E-17	1.12252E-15	0.227301	hyper	sig	chr5_38845680
chr15	33311759	33311759	+	5.927E-17	1.12323E-15	0.220735	hyper	sig	chr15_33311759
chr3	1.33E+08	133038418	+	5.929E-17	1.12347E-15	0.25848	hyper	sig	chr3_133038418
chr6	26744039	26744039	+	5.931E-17	1.12377E-15	0.263803	hyper	sig	chr6_26744039
chr3	27728887	27728887	+	5.942E-17	1.12592E-15	0.230594	hyper	sig	chr3_27728887
chr4	84496580	84496580	+	5.954E-17	1.12805E-15	0.201124	hyper	sig	chr4_84496580
chr2	1.3E+08	130005934	+	5.969E-17	1.13091E-15	0.200157	hyper	sig	chr2_130005934
chr7	1.56E+08	155509039	+	5.971E-17	1.13121E-15	0.27039	hyper	sig	chr7_155509039
chr1	7070009	7070009	+	5.971E-17	1.13123E-15	0.255233	hyper	sig	chr1_7070009
chr5	1.14E+08	114056497	+	5.975E-17	1.13186E-15	0.247319	hyper	sig	chr5_114056497
chr18	5196449	5196449	+	5.977E-17	1.13216E-15	0.222947	hyper	sig	chr18_5196449
chr15	43210807	43210807	+	5.989E-17	1.13438E-15	-0.2117	hypo	sig	chr15_43210807
chr10	1.32E+08	132136514	+	5.998E-17	1.13608E-15	-0.26688	hypo	sig	chr10_132136514
chr3	1.72E+08	172450062	+	6.013E-17	1.13887E-15	0.282893	hyper	sig	chr3_172450062
chr10	1.3E+08	129973431	+	6.033E-17	1.14246E-15	0.249672	hyper	sig	chr10_129973431
chr11	2302017	2302017	+	6.036E-17	1.14303E-15	-0.26454	hypo	sig	chr11_2302017
chr19	58350152	58350152	+	6.038E-17	1.14347E-15	0.209022	hyper	sig	chr19_58350152
chr6	41560769	41560769	+	6.049E-17	1.14544E-15	0.224633	hyper	sig	chr6_41560769
chr15	31483255	31483255	+	6.051E-17	1.14587E-15	0.246591	hyper	sig	chr15_31483255

chr19	54100807	54100807	+	6.067E-17	1.1488E-15	-0.2208	hypo	sig	chr19_54100807
chr1	2.25E+08	224618150	+	6.078E-17	1.15083E-15	0.248748	hyper	sig	chr1_224618150
chr12	57727744	57727744	+	6.079E-17	1.15097E-15	0.253834	hyper	sig	chr12_57727744
chr6	27680538	27680538	+	6.09E-17	1.153E-15	0.242621	hyper	sig	chr6_27680538
chr10	1.33E+08	133310352	+	6.109E-17	1.15642E-15	-0.32557	hypo	sig	chr10_133310352
chr11	737962	737962	+	6.116E-17	1.15781E-15	-0.25646	hypo	sig	chr11_737962
chr1	2.02E+08	202210597	+	6.125E-17	1.15935E-15	-0.22034	hypo	sig	chr1_202210597
chr22	36858342	36858342	+	6.13E-17	1.16029E-15	-0.20388	hypo	sig	chr22_36858342
chr22	24188368	24188368	+	6.133E-17	1.16082E-15	-0.21063	hypo	sig	chr22_24188368
chr6	1.01E+08	101398727	+	6.139E-17	1.162E-15	0.228536	hyper	sig	chr6_101398727
chr9	1.25E+08	124505364	+	6.142E-17	1.16253E-15	0.215847	hyper	sig	chr9_124505364
chr2	31580790	31580790	+	6.157E-17	1.16527E-15	0.275763	hyper	sig	chr2_31580790
chr2	1.6E+08	160271087	+	6.16E-17	1.16584E-15	-0.21088	hypo	sig	chr2_160271087
chr13	1.11E+08	111345091	+	6.172E-17	1.16797E-15	-0.21214	hypo	sig	chr13_111345091
chr21	36694714	36694714	+	6.187E-17	1.17074E-15	0.243789	hyper	sig	chr21_36694714
chr10	84237463	84237463	+	6.193E-17	1.17178E-15	0.207656	hyper	sig	chr10_84237463
chr13	1.08E+08	107867774	+	6.215E-17	1.17597E-15	0.217975	hyper	sig	chr13_107867774
chr4	1.57E+08	157222758	+	6.226E-17	1.17776E-15	0.248792	hyper	sig	chr4_157222758
chr17	78041083	78041083	+	6.226E-17	1.17786E-15	-0.24728	hypo	sig	chr17_78041083
chr16	66974338	66974338	+	6.233E-17	1.17906E-15	-0.26822	hypo	sig	chr16_66974338
chr1	21591095	21591095	+	6.234E-17	1.17922E-15	-0.23894	hypo	sig	chr1_21591095
chr4	10458385	10458385	+	6.25E-17	1.18222E-15	-0.24343	hypo	sig	chr4_10458385
chr6	32148980	32148980	+	6.269E-17	1.18568E-15	0.301105	hyper	sig	chr6_32148980
chr9	74501131	74501131	+	6.27E-17	1.18589E-15	0.284898	hyper	sig	chr9_74501131
chr7	1.54E+08	153886529	+	6.276E-17	1.18688E-15	0.305526	hyper	sig	chr7_153886529
chr11	1.29E+08	128824206	+	6.28E-17	1.18764E-15	0.269892	hyper	sig	chr11_128824206
chr1	57422789	57422789	+	6.288E-17	1.18911E-15	0.278489	hyper	sig	chr1_57422789
chr11	1.34E+08	134030027	+	6.294E-17	1.19017E-15	-0.28342	hypo	sig	chr11_134030027
chr6	77650248	77650248	+	6.3E-17	1.19134E-15	0.216679	hyper	sig	chr6_77650248
chr10	1.23E+08	122954585	+	6.311E-17	1.19326E-15	0.206756	hyper	sig	chr10_122954585
chr12	1.17E+08	117359311	+	6.319E-17	1.19483E-15	0.234076	hyper	sig	chr12_117359311
chr19	18918385	18918385	+	6.329E-17	1.19668E-15	-0.29066	hypo	sig	chr19_18918385
chr20	21103736	21103736	+	6.334E-17	1.19767E-15	0.274165	hyper	sig	chr20_21103736
chr8	38974853	38974853	+	6.337E-17	1.19806E-15	0.238354	hyper	sig	chr8_38974853
chr6	11179870	11179870	+	6.347E-17	1.20003E-15	-0.26512	hypo	sig	chr6_11179870
chr22	46335257	46335257	+	6.379E-17	1.20598E-15	-0.22936	hypo	sig	chr22_46335257
chr3	1.07E+08	107429523	+	6.402E-17	1.2101E-15	0.219518	hyper	sig	chr3_107429523
chr20	16573890	16573890	+	6.417E-17	1.21285E-15	-0.25994	hypo	sig	chr20_16573890
chr19	37252054	37252054	+	6.425E-17	1.21432E-15	0.236071	hyper	sig	chr19_37252054
chr1	1.55E+08	154869504	+	6.431E-17	1.21544E-15	0.226868	hyper	sig	chr1_154869504
chr4	1.13E+08	112511439	+	6.436E-17	1.21633E-15	0.20665	hyper	sig	chr4_112511439
chr11	20598203	20598203	+	6.44E-17	1.21705E-15	0.203794	hyper	sig	chr11_20598203
chr5	1.73E+08	173279874	+	6.451E-17	1.21915E-15	-0.28794	hypo	sig	chr5_173279874
chr9	91992841	91992841	+	6.452E-17	1.21929E-15	-0.27958	hypo	sig	chr9_91992841
chr17	74117197	74117197	+	6.454E-17	1.21964E-15	-0.21327	hypo	sig	chr17_74117197
chr1	1.19E+08	118986225	+	6.462E-17	1.22097E-15	0.214083	hyper	sig	chr1_118986225
chr9	95085999	95085999	+	6.465E-17	1.22155E-15	-0.20687	hypo	sig	chr9_95085999
chr16	829145	829145	+	6.477E-17	1.2238E-15	-0.23952	hypo	sig	chr16_829145
chr8	1.16E+08	115648327	+	6.485E-17	1.22523E-15	0.222971	hyper	sig	chr8_115648327
chr4	1.11E+08	110630013	+	6.491E-17	1.22629E-15	0.264187	hyper	sig	chr4_110630013
chr7	1.52E+08	151796650	+	6.506E-17	1.22896E-15	-0.21951	hypo	sig	chr7_151796650
chr20	62740268	62740268	+	6.513E-17	1.23041E-15	-0.24594	hypo	sig	chr20_62740268
chr7	97731852	97731852	+	6.523E-17	1.23229E-15	0.200953	hyper	sig	chr7_97731852
chr19	37551338	37551338	+	6.536E-17	1.23462E-15	0.310299	hyper	sig	chr19_37551338
chr5	1.41E+08	140848923	+	6.577E-17	1.24226E-15	0.224661	hyper	sig	chr5_140848923
chr11	64971798	64971798	+	6.594E-17	1.24541E-15	0.214065	hyper	sig	chr11_64971798

chr11	1.29E+08	128824202	+	6.607E-17	1.24775E-15	0.265539	hyper	sig	chr11_128824202
chr13	20301827	20301827	+	6.619E-17	1.24994E-15	0.303953	hyper	sig	chr13_20301827
chr16	1346615	1346615	+	6.623E-17	1.2506E-15	-0.28712	hypo	sig	chr16_1346615
chr15	34434513	34434513	+	6.654E-17	1.25625E-15	-0.24408	hypo	sig	chr15_34434513
chr7	1.55E+08	155373220	+	6.663E-17	1.25807E-15	0.211571	hyper	sig	chr7_155373220
chr11	67452297	67452297	+	6.671E-17	1.2595E-15	-0.29936	hypo	sig	chr11_67452297
chr18	79784994	79784994	+	6.689E-17	1.26274E-15	-0.22228	hypo	sig	chr18_79784994
chr13	1.07E+08	106530709	+	6.699E-17	1.26456E-15	-0.29204	hypo	sig	chr13_106530709
chr3	1.25E+08	125141957	+	6.726E-17	1.26939E-15	0.275824	hyper	sig	chr3_125141957
chr9	1.37E+08	137243127	+	6.728E-17	1.26989E-15	-0.2428	hypo	sig	chr9_137243127
chr6	27275233	27275233	+	6.74E-17	1.27211E-15	0.208313	hyper	sig	chr6_27275233
chr1	6086974	6086974	+	6.752E-17	1.27422E-15	-0.30298	hypo	sig	chr1_6086974
chr10	43667321	43667321	+	6.759E-17	1.27552E-15	0.204767	hyper	sig	chr10_43667321
chr11	1.29E+08	128824511	+	6.76E-17	1.27566E-15	0.307023	hyper	sig	chr11_128824511
chr17	5139724	5139724	+	6.798E-17	1.2827E-15	-0.25431	hypo	sig	chr17_5139724
chr14	1.04E+08	104180718	+	6.82E-17	1.28675E-15	-0.20252	hypo	sig	chr14_104180718
chr2	1.1E+08	110216388	+	6.831E-17	1.28876E-15	-0.27383	hypo	sig	chr2_110216388
chr6	27545248	27545248	+	6.839E-17	1.29023E-15	0.208358	hyper	sig	chr6_27545248
chr1	2.28E+08	228465337	+	6.842E-17	1.29067E-15	0.240216	hyper	sig	chr1_228465337
chr19	22832407	22832407	+	6.85E-17	1.29227E-15	0.236967	hyper	sig	chr19_22832407
chr10	23191769	23191769	+	6.86E-17	1.29394E-15	0.211431	hyper	sig	chr10_23191769
chr15	83108169	83108169	+	6.864E-17	1.29479E-15	0.26728	hyper	sig	chr15_83108169
chr13	20137498	20137498	+	6.866E-17	1.29516E-15	-0.24914	hypo	sig	chr13_20137498
chr3	1.28E+08	128497339	+	6.867E-17	1.29524E-15	0.218846	hyper	sig	chr3_128497339
chr13	1.02E+08	102402393	+	6.87E-17	1.29576E-15	0.202098	hyper	sig	chr13_102402393
chr12	96489722	96489722	+	6.895E-17	1.30026E-15	0.222885	hyper	sig	chr12_96489722
chr1	1.1E+08	110112608	+	6.907E-17	1.30247E-15	-0.20938	hypo	sig	chr1_110112608
chr11	44306604	44306604	+	6.907E-17	1.30251E-15	0.207899	hyper	sig	chr11_44306604
chr7	3181517	3181517	+	6.907E-17	1.30251E-15	-0.2148	hypo	sig	chr7_3181517
chr5	73299944	73299944	+	6.913E-17	1.30357E-15	0.219736	hyper	sig	chr5_73299944
chr19	55513721	55513721	+	6.919E-17	1.30458E-15	-0.26919	hypo	sig	chr19_55513721
chr13	36211798	36211798	+	6.933E-17	1.30722E-15	-0.25192	hypo	sig	chr13_36211798
chr14	1.05E+08	104926807	+	6.96E-17	1.31224E-15	-0.27471	hypo	sig	chr14_104926807
chr3	16536258	16536258	+	6.965E-17	1.31307E-15	-0.22306	hypo	sig	chr3_16536258
chr10	42368047	42368047	+	6.989E-17	1.31759E-15	0.279597	hyper	sig	chr10_42368047
chr13	1.13E+08	113109838	+	7.002E-17	1.32001E-15	0.306114	hyper	sig	chr13_113109838
chr5	5887281	5887281	+	7.007E-17	1.32087E-15	0.221123	hyper	sig	chr5_5887281
chr8	60876518	60876518	+	7.041E-17	1.3271E-15	-0.20781	hypo	sig	chr8_60876518
chr7	1.49E+08	149462375	+	7.054E-17	1.32957E-15	-0.2079	hypo	sig	chr7_149462375
chr7	79454262	79454262	+	7.057E-17	1.33009E-15	0.209099	hyper	sig	chr7_79454262
chr17	38421422	38421422	+	7.074E-17	1.33314E-15	-0.21885	hypo	sig	chr17_38421422
chr19	57709009	57709009	+	7.089E-17	1.3359E-15	0.244533	hyper	sig	chr19_57709009
chr2	55923120	55923120	+	7.094E-17	1.33692E-15	0.227443	hyper	sig	chr2_55923120
chr19	31353270	31353270	+	7.098E-17	1.33752E-15	0.213398	hyper	sig	chr19_31353270
chr8	1.43E+08	142917958	+	7.116E-17	1.34095E-15	-0.20911	hypo	sig	chr8_142917958
chr3	1.58E+08	158102852	+	7.132E-17	1.34384E-15	0.223034	hyper	sig	chr3_158102852
chr19	23002892	23002892	+	7.141E-17	1.34539E-15	0.215636	hyper	sig	chr19_23002892
chr2	1.05E+08	104868258	+	7.141E-17	1.34539E-15	0.246095	hyper	sig	chr2_104868258
chr7	1.54E+08	154053425	+	7.141E-17	1.34539E-15	0.252522	hyper	sig	chr7_154053425
chr22	49670264	49670264	+	7.148E-17	1.34667E-15	0.214032	hyper	sig	chr22_49670264
chr7	65869490	65869490	+	7.154E-17	1.34785E-15	-0.33839	hypo	sig	chr7_65869490
chr3	1.07E+08	107248518	+	7.165E-17	1.34979E-15	-0.24949	hypo	sig	chr3_107248518
chr21	44900847	44900847	+	7.171E-17	1.35085E-15	-0.2532	hypo	sig	chr21_44900847
chr5	19987952	19987952	+	7.197E-17	1.35567E-15	0.206612	hyper	sig	chr5_19987952
chr15	65075165	65075165	+	7.206E-17	1.35734E-15	-0.26564	hypo	sig	chr15_65075165
chr1	33307105	33307105	+	7.228E-17	1.36144E-15	0.233916	hyper	sig	chr1_33307105

chr13	24932202	24932202	+	7.233E-17	1.3623E-15	0.22675	hyper	sig	chr13_24932202
chr5	1794542	1794542	+	7.249E-17	1.36523E-15	-0.26245	hypo	sig	chr5_1794542
chr10	1.2E+08	120457450	+	7.25E-17	1.36535E-15	0.201964	hyper	sig	chr10_120457450
chr11	1869633	1869633	+	7.259E-17	1.36694E-15	-0.28762	hypo	sig	chr11_1869633
chr10	774555	774555	+	7.261E-17	1.3673E-15	-0.20473	hypo	sig	chr10_774555
chr2	2.38E+08	238128880	+	7.283E-17	1.37144E-15	-0.20125	hypo	sig	chr2_238128880
chr21	26573061	26573061	+	7.288E-17	1.37242E-15	0.25168	hyper	sig	chr21_26573061
chr9	1.28E+08	127762698	+	7.289E-17	1.37254E-15	-0.28384	hypo	sig	chr9_127762698
chr13	25096038	25096038	+	7.292E-17	1.37289E-15	0.239681	hyper	sig	chr13_25096038
chr5	3606445	3606445	+	7.292E-17	1.37297E-15	0.210074	hyper	sig	chr5_3606445
chr13	1.14E+08	114031493	+	7.295E-17	1.37342E-15	-0.21957	hypo	sig	chr13_114031493
chr16	49465156	49465156	+	7.314E-17	1.37698E-15	0.240487	hyper	sig	chr16_49465156
chr1	1.11E+08	110675512	+	7.338E-17	1.38136E-15	0.260078	hyper	sig	chr1_110675512
chr16	31568966	31568966	+	7.363E-17	1.38593E-15	0.232282	hyper	sig	chr16_31568966
chr6	27268074	27268074	+	7.379E-17	1.38889E-15	0.202741	hyper	sig	chr6_27268074
chr5	1.75E+08	175477663	+	7.393E-17	1.39139E-15	-0.2317	hypo	sig	chr5_175477663
chr10	1.33E+08	132960492	+	7.422E-17	1.39669E-15	-0.20673	hypo	sig	chr10_132960492
chr11	13008175	13008175	+	7.423E-17	1.39694E-15	-0.20421	hypo	sig	chr11_13008175
chr5	1.35E+08	135038667	+	7.436E-17	1.39927E-15	0.268759	hyper	sig	chr5_135038667
chr7	73424418	73424418	+	7.446E-17	1.40099E-15	0.204703	hyper	sig	chr7_73424418
chr1	2291017	2291017	+	7.451E-17	1.40204E-15	0.207829	hyper	sig	chr1_2291017
chr5	71719148	71719148	+	7.457E-17	1.40307E-15	0.299249	hyper	sig	chr5_71719148
chr5	1834588	1834588	+	7.464E-17	1.40419E-15	-0.2644	hypo	sig	chr5_1834588
chr13	1.14E+08	114089954	+	7.469E-17	1.40525E-15	-0.24287	hypo	sig	chr13_114089954
chr6	1.46E+08	146029424	+	7.485E-17	1.40816E-15	0.236171	hyper	sig	chr6_146029424
chr17	81126324	81126324	+	7.501E-17	1.41092E-15	-0.20735	hypo	sig	chr17_81126324
chr3	1.7E+08	169814043	+	7.504E-17	1.41149E-15	-0.29054	hypo	sig	chr3_169814043
chr6	34036345	34036345	+	7.506E-17	1.41181E-15	-0.2742	hypo	sig	chr6_34036345
chr9	98709631	98709631	+	7.515E-17	1.41342E-15	0.216521	hyper	sig	chr9_98709631
chr17	446422	446422	+	7.517E-17	1.4138E-15	-0.20934	hypo	sig	chr17_446422
chr19	50728575	50728575	+	7.539E-17	1.41784E-15	0.325082	hyper	sig	chr19_50728575
chr7	8435835	8435835	+	7.551E-17	1.41994E-15	0.237626	hyper	sig	chr7_8435835
chr9	34460046	34460046	+	7.552E-17	1.42021E-15	-0.30967	hypo	sig	chr9_34460046
chr5	1.29E+08	128537828	+	7.568E-17	1.42311E-15	0.209846	hyper	sig	chr5_128537828
chr19	57171802	57171802	+	7.579E-17	1.42499E-15	0.267819	hyper	sig	chr19_57171802
chr22	50735218	50735218	+	7.594E-17	1.42776E-15	-0.22859	hypo	sig	chr22_50735218
chr5	42993852	42993852	+	7.6E-17	1.42891E-15	0.245149	hyper	sig	chr5_42993852
chr5	2754639	2754639	+	7.609E-17	1.43052E-15	0.211016	hyper	sig	chr5_2754639
chr2	98937953	98937953	+	7.633E-17	1.43482E-15	-0.24641	hypo	sig	chr2_98937953
chr19	7006432	7006432	+	7.651E-17	1.43804E-15	-0.23561	hypo	sig	chr19_7006432
chr14	92322586	92322586	+	7.662E-17	1.44017E-15	0.237714	hyper	sig	chr14_92322586
chr10	15719536	15719536	+	7.676E-17	1.44254E-15	0.243721	hyper	sig	chr10_15719536
chr2	20106845	20106845	+	7.678E-17	1.44295E-15	0.278357	hyper	sig	chr2_20106845
chr3	1.64E+08	164004542	+	7.679E-17	1.44303E-15	-0.21442	hypo	sig	chr3_164004542
chr17	73748785	73748785	+	7.684E-17	1.44386E-15	-0.25587	hypo	sig	chr17_73748785
chr15	37097255	37097255	+	7.702E-17	1.44714E-15	0.210483	hyper	sig	chr15_37097255
chr1	2.47E+08	246697120	+	7.71E-17	1.44856E-15	-0.21881	hypo	sig	chr1_246697120
chr11	1.23E+08	123195823	+	7.71E-17	1.44867E-15	0.231157	hyper	sig	chr11_123195823
chr1	2501621	2501621	+	7.715E-17	1.44945E-15	-0.23687	hypo	sig	chr1_2501621
chr7	1.57E+08	157387419	+	7.717E-17	1.44987E-15	-0.20787	hypo	sig	chr7_157387419
chr15	1.01E+08	100973561	+	7.729E-17	1.45197E-15	0.252708	hyper	sig	chr15_100973561
chr5	1748948	1748948	+	7.731E-17	1.45236E-15	-0.22196	hypo	sig	chr5_1748948
chr6	3234063	3234063	+	7.733E-17	1.45275E-15	-0.25837	hypo	sig	chr6_3234063
chr6	71588719	71588719	+	7.739E-17	1.45374E-15	0.236985	hyper	sig	chr6_71588719
chr7	97021799	97021799	+	7.74E-17	1.45399E-15	0.223154	hyper	sig	chr7_97021799
chr3	1.05E+08	105353839	+	7.763E-17	1.45815E-15	0.209688	hyper	sig	chr3_105353839

chr1	2.36E+08	236064156	+	7.763E-17	1.45816E-15	0.211819	hyper	sig	chr1_236064156
chr1	3550562	3550562	+	7.768E-17	1.45899E-15	-0.29938	hypo	sig	chr1_3550562
chr3	75655957	75655957	+	7.783E-17	1.46174E-15	0.214195	hyper	sig	chr3_75655957
chr16	88416416	88416416	+	7.783E-17	1.46176E-15	-0.23368	hypo	sig	chr16_88416416
chr13	28099625	28099625	+	7.801E-17	1.46486E-15	0.254454	hyper	sig	chr13_28099625
chr5	1.41E+08	141410081	+	7.805E-17	1.46575E-15	0.20175	hyper	sig	chr5_141410081
chr6	30111362	30111362	+	7.81E-17	1.46652E-15	-0.21656	hypo	sig	chr6_30111362
chr4	1.85E+08	185021015	+	7.825E-17	1.46923E-15	0.219719	hyper	sig	chr4_185021015
chr10	1.17E+08	117132669	+	7.857E-17	1.47491E-15	0.266096	hyper	sig	chr10_117132669
chr12	1.32E+08	131710413	+	7.857E-17	1.47491E-15	0.236984	hyper	sig	chr12_131710413
chr16	11677138	11677138	+	7.87E-17	1.47724E-15	0.200697	hyper	sig	chr16_11677138
chr12	52618221	52618221	+	7.874E-17	1.478E-15	-0.21545	hypo	sig	chr12_52618221
chr19	32228032	32228032	+	7.874E-17	1.478E-15	-0.25438	hypo	sig	chr19_32228032
chr7	1.54E+08	153886507	+	7.879E-17	1.47896E-15	0.28309	hyper	sig	chr7_153886507
chr16	142840	142840	+	7.883E-17	1.47966E-15	-0.2016	hypo	sig	chr16_142840
chr2	2.42E+08	241552529	+	7.886E-17	1.48004E-15	-0.20559	hypo	sig	chr2_241552529
chr15	96417036	96417036	+	7.886E-17	1.48012E-15	0.202357	hyper	sig	chr15_96417036
chr1	1957008	1957008	+	7.923E-17	1.48691E-15	-0.20302	hypo	sig	chr1_1957008
chr16	87603179	87603179	+	7.931E-17	1.4883E-15	0.202194	hyper	sig	chr16_87603179
chr5	958205	958205	+	7.931E-17	1.4883E-15	-0.20951	hypo	sig	chr5_958205
chr3	27724604	27724604	+	7.954E-17	1.49245E-15	0.250463	hyper	sig	chr3_27724604
chr2	2.28E+08	228181722	+	7.964E-17	1.49437E-15	0.225575	hyper	sig	chr2_228181722
chr16	10182859	10182859	+	7.98E-17	1.49715E-15	0.262783	hyper	sig	chr16_10182859
chr11	32428629	32428629	+	7.995E-17	1.49997E-15	0.249326	hyper	sig	chr11_32428629
chr14	51752552	51752552	+	8.01E-17	1.50261E-15	-0.24197	hypo	sig	chr14_51752552
chr19	58003273	58003273	+	8.015E-17	1.50369E-15	0.311165	hyper	sig	chr19_58003273
chr15	62896603	62896603	+	8.044E-17	1.50888E-15	-0.24078	hypo	sig	chr15_62896603
chr10	1.01E+08	100659466	+	8.047E-17	1.50934E-15	0.288534	hyper	sig	chr10_100659466
chr20	21515426	21515426	+	8.047E-17	1.50934E-15	0.274985	hyper	sig	chr20_21515426
chr16	85483864	85483864	+	8.057E-17	1.51116E-15	-0.22843	hypo	sig	chr16_85483864
chr16	56663314	56663314	+	8.068E-17	1.51322E-15	0.382939	hyper	sig	chr16_56663314
chr2	27260861	27260861	+	8.07E-17	1.51364E-15	-0.2286	hypo	sig	chr2_27260861
chr1	50421177	50421177	+	8.087E-17	1.51679E-15	0.203108	hyper	sig	chr1_50421177
chr5	1.41E+08	140875861	+	8.088E-17	1.51685E-15	0.279873	hyper	sig	chr5_140875861
chr9	1.35E+08	135409595	+	8.089E-17	1.51703E-15	-0.22687	hypo	sig	chr9_135409595
chr10	785871	785871	+	8.102E-17	1.51928E-15	-0.22543	hypo	sig	chr10_785871
chr9	1.37E+08	137165795	+	8.102E-17	1.51935E-15	-0.24686	hypo	sig	chr9_137165795
chr6	77650246	77650246	+	8.108E-17	1.5203E-15	0.218394	hyper	sig	chr6_77650246
chr15	93089660	93089660	+	8.111E-17	1.52085E-15	0.229172	hyper	sig	chr15_93089660
chr8	39314638	39314638	+	8.118E-17	1.52215E-15	0.257031	hyper	sig	chr8_39314638
chr16	551913	551913	+	8.13E-17	1.52436E-15	-0.21043	hypo	sig	chr16_551913
chr19	40224775	40224775	+	8.136E-17	1.52546E-15	-0.31625	hypo	sig	chr19_40224775
chr8	1.43E+08	142777048	+	8.15E-17	1.52775E-15	0.219405	hyper	sig	chr8_142777048
chr8	70034940	70034940	+	8.161E-17	1.52984E-15	0.356238	hyper	sig	chr8_70034940
chr1	2506238	2506238	+	8.163E-17	1.53008E-15	-0.20099	hypo	sig	chr1_2506238
chr3	1.8E+08	180036436	+	8.176E-17	1.53264E-15	0.244499	hyper	sig	chr3_180036436
chr17	948600	948600	+	8.182E-17	1.5336E-15	-0.21541	hypo	sig	chr17_948600
chr17	62666811	62666811	+	8.183E-17	1.53378E-15	-0.23566	hypo	sig	chr17_62666811
chr8	48923522	48923522	+	8.187E-17	1.53447E-15	-0.24777	hypo	sig	chr8_48923522
chr13	35478645	35478645	+	8.199E-17	1.53662E-15	0.272459	hyper	sig	chr13_35478645
chr18	52340717	52340717	+	8.202E-17	1.53706E-15	0.321679	hyper	sig	chr18_52340717
chr17	14298410	14298410	+	8.204E-17	1.53747E-15	0.217361	hyper	sig	chr17_14298410
chr4	1.11E+08	110639338	+	8.214E-17	1.53913E-15	0.290665	hyper	sig	chr4_110639338
chr17	34157079	34157079	+	8.215E-17	1.53929E-15	0.239871	hyper	sig	chr17_34157079
chr4	1.44E+08	143912358	+	8.216E-17	1.53934E-15	0.252596	hyper	sig	chr4_143912358
chr1	2.28E+08	228215426	+	8.244E-17	1.54457E-15	-0.25383	hypo	sig	chr1_228215426

chr5	1.41E+08	141365965	+	8.247E-17	1.54501E-15	0.230532	hyper	sig	chr5_141365965
chr11	71615661	71615661	+	8.259E-17	1.54714E-15	-0.32859	hypo	sig	chr11_71615661
chr20	21102154	21102154	+	8.261E-17	1.54742E-15	0.21487	hyper	sig	chr20_21102154
chr8	64587519	64587519	+	8.305E-17	1.55555E-15	0.240896	hyper	sig	chr8_64587519
chr5	59892413	59892413	+	8.316E-17	1.55746E-15	0.251639	hyper	sig	chr5_59892413
chr17	6655632	6655632	+	8.337E-17	1.56123E-15	0.207191	hyper	sig	chr17_6655632
chr10	22253486	22253486	+	8.349E-17	1.56346E-15	0.229734	hyper	sig	chr10_22253486
chr10	13890885	13890885	+	8.383E-17	1.56955E-15	0.220036	hyper	sig	chr10_13890885
chr19	22832399	22832399	+	8.384E-17	1.5697E-15	0.24679	hyper	sig	chr19_22832399
chr15	29112719	29112719	+	8.393E-17	1.57136E-15	-0.20882	hypo	sig	chr15_29112719
chr19	46468070	46468070	+	8.399E-17	1.57241E-15	-0.34682	hypo	sig	chr19_46468070
chr2	98346506	98346506	+	8.422E-17	1.57634E-15	0.248434	hyper	sig	chr2_98346506
chr7	2874230	2874230	+	8.427E-17	1.5772E-15	-0.25709	hypo	sig	chr7_2874230
chr3	13514112	13514112	+	8.43E-17	1.57771E-15	-0.25651	hypo	sig	chr3_13514112
chr7	1.59E+08	159007143	+	8.436E-17	1.57887E-15	-0.28322	hypo	sig	chr7_159007143
chr1	2.17E+08	217137292	+	8.438E-17	1.57909E-15	0.241338	hyper	sig	chr1_217137292
chr17	3893615	3893615	+	8.438E-17	1.57913E-15	-0.25777	hypo	sig	chr17_3893615
chr11	64971964	64971964	+	8.449E-17	1.58106E-15	0.208118	hyper	sig	chr11_64971964
chr9	1.28E+08	128394508	+	8.453E-17	1.58184E-15	-0.23626	hypo	sig	chr9_128394508
chr1	2.32E+08	232327829	+	8.46E-17	1.58316E-15	0.207707	hyper	sig	chr1_232327829
chr1	2.21E+08	220796728	+	8.465E-17	1.58387E-15	-0.25899	hypo	sig	chr1_220796728
chr6	1.68E+08	168180854	+	8.481E-17	1.58693E-15	-0.21787	hypo	sig	chr6_168180854
chr17	41491281	41491281	+	8.492E-17	1.58891E-15	0.252569	hyper	sig	chr17_41491281
chr4	41881179	41881179	+	8.506E-17	1.59146E-15	0.245768	hyper	sig	chr4_41881179
chr4	41866234	41866234	+	8.506E-17	1.59146E-15	0.200641	hyper	sig	chr4_41866234
chr17	7710446	7710446	+	8.513E-17	1.59266E-15	-0.2089	hypo	sig	chr17_7710446
chr12	1.08E+08	107774304	+	8.533E-17	1.5962E-15	-0.21291	hypo	sig	chr12_107774304
chr12	80708936	80708936	+	8.541E-17	1.59766E-15	0.228042	hyper	sig	chr12_80708936
chr5	16180168	16180168	+	8.542E-17	1.5978E-15	0.271871	hyper	sig	chr5_16180168
chr7	2607193	2607193	+	8.557E-17	1.60064E-15	-0.22574	hypo	sig	chr7_2607193
chr17	46244564	46244564	+	8.572E-17	1.60327E-15	-0.20864	hypo	sig	chr17_46244564
chr9	1.33E+08	132579901	+	8.575E-17	1.60387E-15	0.214709	hyper	sig	chr9_132579901
chr16	20964729	20964729	+	8.581E-17	1.60501E-15	-0.26854	hypo	sig	chr16_20964729
chr8	43246854	43246854	+	8.583E-17	1.60516E-15	0.284253	hyper	sig	chr8_43246854
chr1	43565616	43565616	+	8.587E-17	1.60586E-15	0.249922	hyper	sig	chr1_43565616
chr12	80708860	80708860	+	8.589E-17	1.60622E-15	0.219774	hyper	sig	chr12_80708860
chr16	29217749	29217749	+	8.596E-17	1.60742E-15	-0.20017	hypo	sig	chr16_29217749
chr14	51752509	51752509	+	8.6E-17	1.60828E-15	-0.23146	hypo	sig	chr14_51752509
chr4	1.22E+08	121706865	+	8.64E-17	1.61547E-15	-0.30523	hypo	sig	chr4_121706865
chr5	1.81E+08	181114859	+	8.666E-17	1.62033E-15	0.207155	hyper	sig	chr5_181114859
chr10	1.33E+08	132845852	+	8.67E-17	1.62095E-15	-0.22638	hypo	sig	chr10_132845852
chr22	19765331	19765331	+	8.685E-17	1.62362E-15	0.212431	hyper	sig	chr22_19765331
chr7	73378702	73378702	+	8.696E-17	1.62573E-15	-0.24676	hypo	sig	chr7_73378702
chr12	53103540	53103540	+	8.701E-17	1.62653E-15	-0.21262	hypo	sig	chr12_53103540
chr1	1.58E+08	157994013	+	8.712E-17	1.62848E-15	0.222424	hyper	sig	chr1_157994013
chr14	36584484	36584484	+	8.728E-17	1.63137E-15	0.222059	hyper	sig	chr14_36584484
chr5	1.77E+08	176628854	+	8.735E-17	1.63264E-15	-0.20416	hypo	sig	chr5_176628854
chr14	92329248	92329248	+	8.741E-17	1.63388E-15	-0.23435	hypo	sig	chr14_92329248
chr7	1.59E+08	159001154	+	8.75E-17	1.63542E-15	-0.26077	hypo	sig	chr7_159001154
chr16	1049150	1049150	+	8.759E-17	1.63703E-15	-0.21981	hypo	sig	chr16_1049150
chr7	6842431	6842431	+	8.766E-17	1.63834E-15	-0.21798	hypo	sig	chr7_6842431
chr5	1.46E+08	145836208	+	8.768E-17	1.63855E-15	-0.22604	hypo	sig	chr5_145836208
chr15	93422842	93422842	+	8.781E-17	1.64092E-15	-0.23363	hypo	sig	chr15_93422842
chr17	76370500	76370500	+	8.787E-17	1.64213E-15	-0.22684	hypo	sig	chr17_76370500
chr5	1.76E+08	175796510	+	8.792E-17	1.64291E-15	0.244969	hyper	sig	chr5_175796510
chr19	17377055	17377055	+	8.797E-17	1.64387E-15	-0.20478	hypo	sig	chr19_17377055

chr7	28866255	28866255	+	8.801E-17	1.64452E-15	-0.29938	hypo	sig	chr7_28866255
chr13	57630087	57630087	+	8.802E-17	1.64467E-15	0.28049	hyper	sig	chr13_57630087
chr22	46335248	46335248	+	8.808E-17	1.6457E-15	-0.22477	hypo	sig	chr22_46335248
chr13	1.11E+08	110820877	+	8.815E-17	1.64704E-15	-0.2522	hypo	sig	chr13_110820877
chr6	10099471	10099471	+	8.827E-17	1.64919E-15	-0.23435	hypo	sig	chr6_10099471
chr11	64972199	64972199	+	8.839E-17	1.65127E-15	0.331339	hyper	sig	chr11_64972199
chr4	1.56E+08	155758877	+	8.858E-17	1.65464E-15	0.269943	hyper	sig	chr4_155758877
chr2	1.39E+08	138779974	+	8.859E-17	1.65481E-15	0.273876	hyper	sig	chr2_138779974
chr20	62740232	62740232	+	8.865E-17	1.65594E-15	-0.22005	hypo	sig	chr20_62740232
chr7	1.59E+08	159094728	+	8.867E-17	1.65632E-15	-0.2162	hypo	sig	chr7_159094728
chr17	58666971	58666971	+	8.912E-17	1.66439E-15	-0.25072	hypo	sig	chr17_58666971
chr12	1.24E+08	123907849	+	8.914E-17	1.66483E-15	-0.27439	hypo	sig	chr12_123907849
chr19	3879766	3879766	+	8.915E-17	1.66485E-15	-0.24062	hypo	sig	chr19_3879766
chr22	20364394	20364394	+	8.919E-17	1.66565E-15	-0.24226	hypo	sig	chr22_20364394
chr16	3184267	3184267	+	8.925E-17	1.66672E-15	0.265499	hyper	sig	chr16_3184267
chr12	1.32E+08	132444096	+	8.931E-17	1.66784E-15	-0.24189	hypo	sig	chr12_132444096
chr14	1.04E+08	104180801	+	8.933E-17	1.66807E-15	-0.20921	hypo	sig	chr14_104180801
chr19	53942634	53942634	+	8.933E-17	1.66807E-15	0.319791	hyper	sig	chr19_53942634
chr5	1.81E+08	180609283	+	8.947E-17	1.67054E-15	-0.2113	hypo	sig	chr5_180609283
chr19	17523007	17523007	+	8.952E-17	1.6715E-15	-0.23905	hypo	sig	chr19_17523007
chr3	1.96E+08	195808019	+	8.952E-17	1.67152E-15	-0.20367	hypo	sig	chr3_195808019
chr16	1963068	1963068	+	8.961E-17	1.67307E-15	-0.20576	hypo	sig	chr16_1963068
chr7	1620845	1620845	+	8.963E-17	1.67332E-15	-0.22232	hypo	sig	chr7_1620845
chr9	1.36E+08	136335199	+	8.971E-17	1.6748E-15	-0.24227	hypo	sig	chr9_136335199
chr19	48837508	48837508	+	8.978E-17	1.67615E-15	0.291151	hyper	sig	chr19_48837508
chr5	51390300	51390300	+	8.985E-17	1.67729E-15	0.213567	hyper	sig	chr5_51390300
chr10	1.33E+08	132817719	+	8.998E-17	1.67972E-15	-0.22722	hypo	sig	chr10_132817719
chr11	92224239	92224239	+	9.007E-17	1.68123E-15	0.26809	hyper	sig	chr11_92224239
chr1	2239600	2239600	+	9.015E-17	1.68277E-15	-0.25447	hypo	sig	chr1_2239600
chr8	56446431	56446431	+	9.019E-17	1.68332E-15	0.318651	hyper	sig	chr8_56446431
chr18	47251814	47251814	+	9.032E-17	1.68574E-15	0.260795	hyper	sig	chr18_47251814
chr12	52601517	52601517	+	9.033E-17	1.68578E-15	0.208933	hyper	sig	chr12_52601517
chr1	3245776	3245776	+	9.051E-17	1.6891E-15	-0.20317	hypo	sig	chr1_3245776
chr19	53058166	53058166	+	9.056E-17	1.68995E-15	0.276646	hyper	sig	chr19_53058166
chr5	1.81E+08	181174250	+	9.056E-17	1.68995E-15	0.267021	hyper	sig	chr5_181174250
chr2	38074605	38074605	+	9.091E-17	1.6964E-15	0.267669	hyper	sig	chr2_38074605
chr2	2.36E+08	236242230	+	9.091E-17	1.6964E-15	-0.30242	hypo	sig	chr2_236242230
chr17	42685270	42685270	+	9.109E-17	1.69956E-15	0.203183	hyper	sig	chr17_42685270
chr10	1.03E+08	103455510	+	9.113E-17	1.70026E-15	-0.20269	hypo	sig	chr10_103455510
chr1	2598387	2598387	+	9.125E-17	1.70251E-15	-0.2852	hypo	sig	chr1_2598387
chr12	10009702	10009702	+	9.143E-17	1.70567E-15	-0.25957	hypo	sig	chr12_10009702
chr8	11709672	11709672	+	9.145E-17	1.70599E-15	0.251973	hyper	sig	chr8_11709672
chr11	2167014	2167014	+	9.15E-17	1.70682E-15	-0.20324	hypo	sig	chr11_2167014
chr8	1294071	1294071	+	9.156E-17	1.70793E-15	-0.23789	hypo	sig	chr8_1294071
chr10	1.01E+08	101237606	+	9.175E-17	1.71128E-15	0.201258	hyper	sig	chr10_101237606
chr17	74671148	74671148	+	9.201E-17	1.71608E-15	0.269249	hyper	sig	chr17_74671148
chr6	41560761	41560761	+	9.232E-17	1.72174E-15	0.225587	hyper	sig	chr6_41560761
chr9	6009838	6009838	+	9.245E-17	1.72408E-15	-0.20708	hypo	sig	chr9_6009838
chr20	33168137	33168137	+	9.248E-17	1.72452E-15	-0.25578	hypo	sig	chr20_33168137
chr16	1475643	1475643	+	9.267E-17	1.72794E-15	-0.24777	hypo	sig	chr16_1475643
chr4	72031896	72031896	+	9.271E-17	1.72872E-15	0.211469	hyper	sig	chr4_72031896
chr2	44933000	44933000	+	9.29E-17	1.73223E-15	0.210006	hyper	sig	chr2_44933000
chr9	1.36E+08	135740251	+	9.318E-17	1.73733E-15	-0.22561	hypo	sig	chr9_135740251
chr19	37507096	37507096	+	9.321E-17	1.73774E-15	0.209443	hyper	sig	chr19_37507096
chr20	9838647	9838647	+	9.334E-17	1.7402E-15	0.261138	hyper	sig	chr20_9838647
chr18	59265075	59265075	+	9.335E-17	1.74023E-15	0.248461	hyper	sig	chr18_59265075

chr4	1.9E+08	190018971	+	9.355E-17	1.74378E-15	0.200056	hyper	sig	chr4_190018971
chr20	21704861	21704861	+	9.363E-17	1.74536E-15	0.281314	hyper	sig	chr20_21704861
chr5	1.39E+08	139393621	+	9.373E-17	1.74716E-15	0.239279	hyper	sig	chr5_139393621
chr17	57045583	57045583	+	9.379E-17	1.74817E-15	0.284185	hyper	sig	chr17_57045583
chr13	1.14E+08	114066236	+	9.385E-17	1.74919E-15	0.206793	hyper	sig	chr13_114066236
chr1	1.1E+08	109668333	+	9.387E-17	1.74949E-15	0.292337	hyper	sig	chr1_109668333
chr12	81078300	81078300	+	9.389E-17	1.74984E-15	0.222368	hyper	sig	chr12_81078300
chr2	1055087	1055087	+	9.391E-17	1.75021E-15	-0.22906	hypo	sig	chr2_1055087
chr5	1.79E+08	179332031	+	9.401E-17	1.75199E-15	-0.26244	hypo	sig	chr5_179332031
chr1	3373430	3373430	+	9.403E-17	1.75222E-15	-0.20629	hypo	sig	chr1_3373430
chr14	94773906	94773906	+	9.414E-17	1.7543E-15	0.299869	hyper	sig	chr14_94773906
chr7	2662109	2662109	+	9.415E-17	1.75438E-15	-0.23934	hypo	sig	chr7_2662109
chr9	1.37E+08	136540907	+	9.417E-17	1.75463E-15	0.208254	hyper	sig	chr9_136540907
chr18	76376782	76376782	+	9.421E-17	1.75534E-15	-0.27925	hypo	sig	chr18_76376782
chr2	1.28E+08	127673363	+	9.425E-17	1.75608E-15	-0.22197	hypo	sig	chr2_127673363
chr19	45472696	45472696	+	9.437E-17	1.75829E-15	0.239679	hyper	sig	chr19_45472696
chr6	33069181	33069181	+	9.441E-17	1.75902E-15	-0.21265	hypo	sig	chr6_33069181
chr8	98973633	98973633	+	9.455E-17	1.76147E-15	0.238682	hyper	sig	chr8_98973633
chr13	35475596	35475596	+	9.466E-17	1.76353E-15	0.224524	hyper	sig	chr13_35475596
chr4	1.47E+08	146647500	+	9.468E-17	1.76381E-15	0.34152	hyper	sig	chr4_146647500
chr8	46331939	46331939	+	9.485E-17	1.76683E-15	-0.25527	hypo	sig	chr8_46331939
chr8	1.43E+08	142696305	+	9.485E-17	1.76683E-15	-0.22204	hypo	sig	chr8_142696305
chr2	27011004	27011004	+	9.503E-17	1.76997E-15	-0.27507	hypo	sig	chr2_27011004
chr17	44266820	44266820	+	9.512E-17	1.77161E-15	-0.30212	hypo	sig	chr17_44266820
chr11	1040336	1040336	+	9.515E-17	1.77201E-15	-0.22034	hypo	sig	chr11_1040336
chr5	1.81E+08	181173874	+	9.565E-17	1.78103E-15	0.234369	hyper	sig	chr5_181173874
chr10	1.32E+08	132301893	+	9.58E-17	1.78368E-15	-0.22628	hypo	sig	chr10_132301893
chr2	91443042	91443042	+	9.618E-17	1.79071E-15	0.265609	hyper	sig	chr2_91443042
chr9	93346198	93346198	+	9.623E-17	1.79155E-15	0.27984	hyper	sig	chr9_93346198
chr17	82321100	82321100	+	9.655E-17	1.7973E-15	-0.2348	hypo	sig	chr17_82321100
chr3	27728691	27728691	+	9.688E-17	1.80343E-15	0.216575	hyper	sig	chr3_27728691
chr2	2.37E+08	237368902	+	9.69E-17	1.80386E-15	-0.25244	hypo	sig	chr2_237368902
chr16	56985824	56985824	+	9.696E-17	1.80483E-15	-0.24781	hypo	sig	chr16_56985824
chr16	54932571	54932571	+	9.697E-17	1.80491E-15	0.206831	hyper	sig	chr16_54932571
chr1	90834718	90834718	+	9.698E-17	1.80511E-15	0.211238	hyper	sig	chr1_90834718
chr3	53243445	53243445	+	9.698E-17	1.80511E-15	-0.25704	hypo	sig	chr3_53243445
chr5	1.36E+08	136029246	+	9.713E-17	1.80764E-15	-0.21861	hypo	sig	chr5_136029246
chr16	1247255	1247255	+	9.713E-17	1.80776E-15	-0.21272	hypo	sig	chr16_1247255
chr12	1.14E+08	114395978	+	9.714E-17	1.80788E-15	0.234737	hyper	sig	chr12_114395978
chr9	97077385	97077385	+	9.724E-17	1.80956E-15	0.29532	hyper	sig	chr9_97077385
chr15	82710178	82710178	+	9.729E-17	1.81045E-15	0.262176	hyper	sig	chr15_82710178
chr8	48923555	48923555	+	9.729E-17	1.81045E-15	-0.21539	hypo	sig	chr8_48923555
chr15	81118475	81118475	+	9.737E-17	1.81192E-15	0.20923	hyper	sig	chr15_81118475
chr8	87820976	87820976	+	9.744E-17	1.813E-15	-0.32619	hypo	sig	chr8_87820976
chr12	49544244	49544244	+	9.753E-17	1.81461E-15	0.244742	hyper	sig	chr12_49544244
chr5	1.41E+08	141094599	+	9.753E-17	1.81468E-15	0.237455	hyper	sig	chr5_141094599
chr9	1.22E+08	122220540	+	9.758E-17	1.81558E-15	0.211493	hyper	sig	chr9_122220540
chr7	1.28E+08	128201715	+	9.778E-17	1.81915E-15	0.226556	hyper	sig	chr7_128201715
chr8	1.04E+08	104466445	+	9.781E-17	1.8196E-15	0.277342	hyper	sig	chr8_104466445
chr17	49564658	49564658	+	9.786E-17	1.82058E-15	-0.29695	hypo	sig	chr17_49564658
chr14	36504190	36504190	+	9.831E-17	1.82871E-15	0.21392	hyper	sig	chr14_36504190
chr15	52784597	52784597	+	9.871E-17	1.83589E-15	0.264026	hyper	sig	chr15_52784597
chr6	50715880	50715880	+	9.883E-17	1.83813E-15	0.257714	hyper	sig	chr6_50715880
chr2	25167671	25167671	+	9.884E-17	1.83816E-15	0.214528	hyper	sig	chr2_25167671
chr11	31825326	31825326	+	9.887E-17	1.83875E-15	0.207743	hyper	sig	chr11_31825326
chr19	12195039	12195039	+	9.92E-17	1.84458E-15	0.255163	hyper	sig	chr19_12195039

chr9	92807297	92807297	+	9.928E-17	1.84596E-15	0.218092	hyper	sig	chr9_92807297
chr14	36584449	36584449	+	9.929E-17	1.84621E-15	0.225597	hyper	sig	chr14_36584449
chr1	31785082	31785082	+	9.951E-17	1.85026E-15	-0.23937	hypo	sig	chr1_31785082
chr8	1.41E+08	141085186	+	9.957E-17	1.85122E-15	-0.20373	hypo	sig	chr8_141085186
chr17	48596080	48596080	+	9.96E-17	1.85167E-15	-0.21361	hypo	sig	chr17_48596080
chr22	49619921	49619921	+	1.001E-16	1.86122E-15	-0.2345	hypo	sig	chr22_49619921
chr6	1.06E+08	105981273	+	1.003E-16	1.8646E-15	0.246933	hyper	sig	chr6_105981273
chr15	34754536	34754536	+	1.003E-16	1.86476E-15	0.257599	hyper	sig	chr15_34754536
chr1	1.55E+08	154770049	+	1.006E-16	1.86928E-15	-0.20896	hypo	sig	chr1_154770049
chr15	24679778	24679778	+	1.007E-16	1.87102E-15	-0.24264	hypo	sig	chr15_24679778
chr8	26047472	26047472	+	1.008E-16	1.87298E-15	0.244153	hyper	sig	chr8_26047472
chr20	25083674	25083674	+	1.009E-16	1.87407E-15	0.248945	hyper	sig	chr20_25083674
chr19	22422303	22422303	+	1.01E-16	1.87654E-15	0.208442	hyper	sig	chr19_22422303
chr1	1.83E+08	182952612	+	1.011E-16	1.87893E-15	0.308819	hyper	sig	chr1_182952612
chr4	1.67E+08	167233616	+	1.011E-16	1.87893E-15	0.234006	hyper	sig	chr4_167233616
chr14	36517160	36517160	+	1.012E-16	1.88106E-15	0.214864	hyper	sig	chr14_36517160
chr3	42264658	42264658	+	1.014E-16	1.88328E-15	0.208444	hyper	sig	chr3_42264658
chr11	49208417	49208417	+	1.014E-16	1.88442E-15	0.332853	hyper	sig	chr11_49208417
chr6	70956347	70956347	+	1.016E-16	1.88691E-15	0.205662	hyper	sig	chr6_70956347
chr16	2513460	2513460	+	1.019E-16	1.89313E-15	0.203563	hyper	sig	chr16_2513460
chr3	1.94E+08	193872148	+	1.023E-16	1.90026E-15	-0.23922	hypo	sig	chr3_193872148
chr11	2144422	2144422	+	1.024E-16	1.90214E-15	0.217903	hyper	sig	chr11_2144422
chr5	1.79E+08	178502795	+	1.025E-16	1.90277E-15	-0.20254	hypo	sig	chr5_178502795
chr7	2665534	2665534	+	1.026E-16	1.9054E-15	-0.25208	hypo	sig	chr7_2665534
chr17	43759047	43759047	+	1.028E-16	1.9097E-15	-0.22791	hypo	sig	chr17_43759047
chr1	1.57E+08	156845952	+	1.029E-16	1.91104E-15	0.269425	hyper	sig	chr1_156845952
chr16	90053234	90053234	+	1.03E-16	1.91318E-15	-0.24642	hypo	sig	chr16_90053234
chr5	1.35E+08	135050493	+	1.031E-16	1.91461E-15	0.240037	hyper	sig	chr5_135050493
chr19	14028043	14028043	+	1.031E-16	1.91533E-15	-0.23435	hypo	sig	chr19_14028043
chr11	64372998	64372998	+	1.032E-16	1.91558E-15	-0.24589	hypo	sig	chr11_64372998
chr16	1038636	1038636	+	1.032E-16	1.91606E-15	-0.21811	hypo	sig	chr16_1038636
chr19	3828607	3828607	+	1.032E-16	1.91708E-15	-0.22849	hypo	sig	chr19_3828607
chr16	86498800	86498800	+	1.034E-16	1.92048E-15	0.202074	hyper	sig	chr16_86498800
chr14	1.04E+08	104385767	+	1.035E-16	1.92156E-15	-0.21376	hypo	sig	chr14_104385767
chr16	86498740	86498740	+	1.037E-16	1.92562E-15	0.237961	hyper	sig	chr16_86498740
chr6	1625038	1625038	+	1.04E-16	1.93098E-15	0.270641	hyper	sig	chr6_1625038
chr17	6655626	6655626	+	1.041E-16	1.93186E-15	0.20328	hyper	sig	chr17_6655626
chr16	55470940	55470940	+	1.042E-16	1.93461E-15	-0.33657	hypo	sig	chr16_55470940
chr10	15718699	15718699	+	1.043E-16	1.93533E-15	0.225513	hyper	sig	chr10_15718699
chr14	1.04E+08	104180128	+	1.043E-16	1.93547E-15	-0.21738	hypo	sig	chr14_104180128
chr19	37467837	37467837	+	1.043E-16	1.93605E-15	0.214304	hyper	sig	chr19_37467837
chr19	35959554	35959554	+	1.043E-16	1.9366E-15	0.266124	hyper	sig	chr19_35959554
chr11	9005309	9005309	+	1.044E-16	1.93686E-15	-0.24685	hypo	sig	chr11_9005309
chr5	1.78E+08	177509565	+	1.044E-16	1.93744E-15	0.209896	hyper	sig	chr5_177509565
chr5	2749689	2749689	+	1.044E-16	1.93826E-15	0.253937	hyper	sig	chr5_2749689
chr10	1.29E+08	128886475	+	1.049E-16	1.94676E-15	-0.22656	hypo	sig	chr10_128886475
chr6	28259280	28259280	+	1.05E-16	1.94815E-15	0.209106	hyper	sig	chr6_28259280
chr4	1.54E+08	153760192	+	1.053E-16	1.95324E-15	0.306812	hyper	sig	chr4_153760192
chr19	15024393	15024393	+	1.054E-16	1.95637E-15	-0.22547	hypo	sig	chr19_15024393
chr3	9808886	9808886	+	1.055E-16	1.9564E-15	-0.20695	hypo	sig	chr3_9808886
chr5	1.41E+08	141326239	+	1.056E-16	1.95905E-15	0.23213	hyper	sig	chr5_141326239
chr19	526491	526491	+	1.056E-16	1.95993E-15	-0.21048	hypo	sig	chr19_526491
chr6	84769089	84769089	+	1.058E-16	1.96211E-15	0.202199	hyper	sig	chr6_84769089
chr6	1E+08	100449553	+	1.058E-16	1.96288E-15	0.242055	hyper	sig	chr6_100449553
chr7	1.51E+08	151014118	+	1.058E-16	1.96318E-15	0.231124	hyper	sig	chr7_151014118
chr8	64382091	64382091	+	1.059E-16	1.96354E-15	0.237881	hyper	sig	chr8_64382091

chr8	57143519	57143519	+	1.059E-16	1.96393E-15	0.249379	hyper	sig	chr8_57143519
chr6	28816966	28816966	+	1.059E-16	1.9642E-15	0.336822	hyper	sig	chr6_28816966
chr10	1.28E+08	128285673	+	1.061E-16	1.9677E-15	-0.21646	hypo	sig	chr10_128285673
chr2	63059486	63059486	+	1.062E-16	1.96884E-15	0.20264	hyper	sig	chr2_63059486
chr9	1.35E+08	134835515	+	1.062E-16	1.97004E-15	-0.27141	hypo	sig	chr9_134835515
chr1	12044814	12044814	+	1.063E-16	1.97172E-15	-0.25926	hypo	sig	chr1_12044814
chr13	20137488	20137488	+	1.063E-16	1.97208E-15	-0.25013	hypo	sig	chr13_20137488
chr11	829060	829060	+	1.064E-16	1.97219E-15	-0.20654	hypo	sig	chr11_829060
chr16	86497184	86497184	+	1.064E-16	1.97379E-15	0.241633	hyper	sig	chr16_86497184
chr3	10329828	10329828	+	1.065E-16	1.97528E-15	-0.25027	hypo	sig	chr3_10329828
chr19	51719221	51719221	+	1.066E-16	1.97603E-15	0.206033	hyper	sig	chr19_51719221
chr8	13566533	13566533	+	1.07E-16	1.98361E-15	0.221414	hyper	sig	chr8_13566533
chr17	41316151	41316151	+	1.071E-16	1.98527E-15	-0.21537	hypo	sig	chr17_41316151
chr11	69776670	69776670	+	1.074E-16	1.99002E-15	-0.24408	hypo	sig	chr11_69776670
chr8	1648089	1648089	+	1.074E-16	1.9904E-15	-0.22865	hypo	sig	chr8_1648089
chr4	10461691	10461691	+	1.075E-16	1.99298E-15	0.264604	hyper	sig	chr4_10461691
chr16	86566666	86566666	+	1.077E-16	1.99548E-15	0.209852	hyper	sig	chr16_86566666
chr11	49561440	49561440	+	1.077E-16	1.99642E-15	0.289459	hyper	sig	chr11_49561440
chr12	1.32E+08	132347017	+	1.078E-16	1.99846E-15	-0.22115	hypo	sig	chr12_132347017
chr12	15221160	15221160	+	1.079E-16	1.99925E-15	0.234361	hyper	sig	chr12_15221160
chr10	1.2E+08	120457444	+	1.079E-16	2.00015E-15	0.212551	hyper	sig	chr10_120457444
chr15	49047075	49047075	+	1.08E-16	2.00068E-15	-0.22622	hypo	sig	chr15_49047075
chr17	78453401	78453401	+	1.08E-16	2.00103E-15	-0.2198	hypo	sig	chr17_78453401
chr6	28816971	28816971	+	1.08E-16	2.00211E-15	0.336727	hyper	sig	chr6_28816971
chr2	1.19E+08	118854264	+	1.081E-16	2.00269E-15	0.203633	hyper	sig	chr2_118854264
chr19	15899801	15899801	+	1.082E-16	2.0056E-15	0.211576	hyper	sig	chr19_15899801
chr18	14143665	14143665	+	1.083E-16	2.00657E-15	-0.25513	hypo	sig	chr18_14143665
chr14	36654539	36654539	+	1.084E-16	2.00862E-15	0.212838	hyper	sig	chr14_36654539
chr10	1.32E+08	131812364	+	1.086E-16	2.01283E-15	-0.21975	hypo	sig	chr10_131812364
chr7	1.41E+08	141072983	+	1.087E-16	2.01443E-15	0.201053	hyper	sig	chr7_141072983
chr17	43759118	43759118	+	1.088E-16	2.0156E-15	-0.20444	hypo	sig	chr17_43759118
chr16	67982436	67982436	+	1.089E-16	2.01658E-15	-0.20638	hypo	sig	chr16_67982436
chr2	1.34E+08	134024100	+	1.089E-16	2.01681E-15	-0.24075	hypo	sig	chr2_134024100
chr18	57354300	57354300	+	1.092E-16	2.02267E-15	0.215484	hyper	sig	chr18_57354300
chr11	2191074	2191074	+	1.093E-16	2.02423E-15	-0.2071	hypo	sig	chr11_2191074
chr5	1.41E+08	140828051	+	1.094E-16	2.02718E-15	0.204561	hyper	sig	chr5_140828051
chr9	97857703	97857703	+	1.095E-16	2.02835E-15	0.228228	hyper	sig	chr9_97857703
chr6	1.49E+08	148557266	+	1.098E-16	2.03378E-15	-0.2539	hypo	sig	chr6_148557266
chr14	36654473	36654473	+	1.099E-16	2.03523E-15	0.213822	hyper	sig	chr14_36654473
chr11	67452355	67452355	+	1.101E-16	2.03855E-15	-0.26472	hypo	sig	chr11_67452355
chr10	1.17E+08	117132888	+	1.101E-16	2.03898E-15	0.215531	hyper	sig	chr10_117132888
chr5	1.41E+08	141403714	+	1.101E-16	2.03965E-15	0.234166	hyper	sig	chr5_141403714
chr16	2714279	2714279	+	1.103E-16	2.04332E-15	-0.24281	hypo	sig	chr16_2714279
chr3	1.84E+08	184372802	+	1.103E-16	2.04332E-15	-0.20164	hypo	sig	chr3_184372802
chr1	2338432	2338432	+	1.104E-16	2.0445E-15	-0.20139	hypo	sig	chr1_2338432
chr17	79007133	79007133	+	1.104E-16	2.04499E-15	-0.21379	hypo	sig	chr17_79007133
chr3	1.72E+08	172449958	+	1.106E-16	2.04783E-15	0.238523	hyper	sig	chr3_172449958
chr17	49496210	49496210	+	1.108E-16	2.05228E-15	0.311309	hyper	sig	chr17_49496210
chr14	23117373	23117373	+	1.111E-16	2.05779E-15	-0.23688	hypo	sig	chr14_23117373
chr19	53942167	53942167	+	1.112E-16	2.05851E-15	0.241505	hyper	sig	chr19_53942167
chr7	35255271	35255271	+	1.112E-16	2.05851E-15	0.243058	hyper	sig	chr7_35255271
chr10	44293406	44293406	+	1.112E-16	2.05868E-15	0.229719	hyper	sig	chr10_44293406
chr13	99989236	99989236	+	1.114E-16	2.06246E-15	0.225029	hyper	sig	chr13_99989236
chr5	1.23E+08	123094739	+	1.115E-16	2.06445E-15	0.275794	hyper	sig	chr5_123094739
chr13	1.13E+08	112940408	+	1.115E-16	2.06466E-15	-0.25305	hypo	sig	chr13_112940408
chr13	94704788	94704788	+	1.116E-16	2.06529E-15	0.240816	hyper	sig	chr13_94704788

chr9	62799944	62799944	+	1.116E-16	2.0653E-15	0.224403	hyper	sig	chr9_62799944
chr14	85529284	85529284	+	1.117E-16	2.06804E-15	0.265975	hyper	sig	chr14_85529284
chr10	52778545	52778545	+	1.119E-16	2.0716E-15	0.236678	hyper	sig	chr10_52778545
chr19	16283842	16283842	+	1.121E-16	2.07556E-15	0.212132	hyper	sig	chr19_16283842
chr16	86284135	86284135	+	1.122E-16	2.07699E-15	-0.20669	hypo	sig	chr16_86284135
chr17	82876410	82876410	+	1.124E-16	2.08059E-15	-0.20342	hypo	sig	chr17_82876410
chr19	15011168	15011168	+	1.127E-16	2.08503E-15	0.241432	hyper	sig	chr19_15011168
chr12	62191460	62191460	+	1.127E-16	2.08534E-15	0.279356	hyper	sig	chr12_62191460
chr6	29554078	29554078	+	1.128E-16	2.08679E-15	0.306198	hyper	sig	chr6_29554078
chr8	70069873	70069873	+	1.129E-16	2.08967E-15	0.211876	hyper	sig	chr8_70069873
chr10	68562132	68562132	+	1.13E-16	2.08989E-15	0.236372	hyper	sig	chr10_68562132
chr12	53938419	53938419	+	1.131E-16	2.09182E-15	0.301358	hyper	sig	chr12_53938419
chr6	1E+08	100458786	+	1.131E-16	2.09259E-15	0.215989	hyper	sig	chr6_100458786
chr5	93595500	93595500	+	1.135E-16	2.09966E-15	0.204217	hyper	sig	chr5_93595500
chr20	1323028	1323028	+	1.136E-16	2.10136E-15	-0.23519	hypo	sig	chr20_1323028
chr19	56671562	56671562	+	1.139E-16	2.10599E-15	0.231011	hyper	sig	chr19_56671562
chr1	90720368	90720368	+	1.14E-16	2.10768E-15	0.259737	hyper	sig	chr1_90720368
chr18	6928913	6928913	+	1.141E-16	2.11067E-15	-0.21887	hypo	sig	chr18_6928913
chr10	1.3E+08	129966144	+	1.141E-16	2.11101E-15	0.201302	hyper	sig	chr10_129966144
chr12	52777447	52777447	+	1.143E-16	2.11383E-15	-0.21772	hypo	sig	chr12_52777447
chr17	14298425	14298425	+	1.144E-16	2.11478E-15	0.213525	hyper	sig	chr17_14298425
chr4	6233917	6233917	+	1.146E-16	2.11909E-15	-0.24632	hypo	sig	chr4_6233917
chr21	45004753	45004753	+	1.147E-16	2.12072E-15	-0.23537	hypo	sig	chr21_45004753
chr12	1.32E+08	132320353	+	1.147E-16	2.12147E-15	-0.24832	hypo	sig	chr12_132320353
chr13	35475536	35475536	+	1.149E-16	2.1239E-15	0.259896	hyper	sig	chr13_35475536
chr6	1.7E+08	170134672	+	1.149E-16	2.12406E-15	-0.28478	hypo	sig	chr6_170134672
chr7	48092512	48092512	+	1.154E-16	2.13322E-15	-0.28382	hypo	sig	chr7_48092512
chr6	27680826	27680826	+	1.157E-16	2.13928E-15	0.248216	hyper	sig	chr6_27680826
chr14	1.03E+08	103372710	+	1.157E-16	2.13945E-15	-0.23185	hypo	sig	chr14_103372710
chr17	8057147	8057147	+	1.159E-16	2.14236E-15	-0.28416	hypo	sig	chr17_8057147
chr4	41879384	41879384	+	1.159E-16	2.14262E-15	0.242914	hyper	sig	chr4_41879384
chr11	1.09E+08	109422417	+	1.164E-16	2.15187E-15	0.263975	hyper	sig	chr11_109422417
chr19	5846541	5846541	+	1.169E-16	2.15965E-15	-0.20269	hypo	sig	chr19_5846541
chr7	32297042	32297042	+	1.169E-16	2.16007E-15	-0.25019	hypo	sig	chr7_32297042
chr10	90857123	90857123	+	1.17E-16	2.16164E-15	0.265421	hyper	sig	chr10_90857123
chr20	46057449	46057449	+	1.17E-16	2.16166E-15	0.22085	hyper	sig	chr20_46057449
chr1	20552267	20552267	+	1.171E-16	2.16337E-15	0.28308	hyper	sig	chr1_20552267
chr17	3673533	3673533	+	1.171E-16	2.16337E-15	-0.25807	hypo	sig	chr17_3673533
chr7	50450867	50450867	+	1.171E-16	2.16412E-15	0.238246	hyper	sig	chr7_50450867
chr4	1414103	1414103	+	1.172E-16	2.1654E-15	0.261369	hyper	sig	chr4_1414103
chr8	1.08E+08	108082333	+	1.175E-16	2.17029E-15	0.222722	hyper	sig	chr8_108082333
chr20	21515561	21515561	+	1.176E-16	2.17269E-15	0.253619	hyper	sig	chr20_21515561
chr3	1.43E+08	142964425	+	1.177E-16	2.17483E-15	0.24679	hyper	sig	chr3_142964425
chr20	4761845	4761845	+	1.178E-16	2.17586E-15	-0.32667	hypo	sig	chr20_4761845
chr19	1155733	1155733	+	1.178E-16	2.17593E-15	-0.23317	hypo	sig	chr19_1155733
chr9	1.37E+08	136744058	+	1.179E-16	2.17744E-15	-0.21951	hypo	sig	chr9_136744058
chr1	20724039	20724039	+	1.18E-16	2.1792E-15	-0.25595	hypo	sig	chr1_20724039
chr4	13528506	13528506	+	1.182E-16	2.18268E-15	0.278498	hyper	sig	chr4_13528506
chr10	99329083	99329083	+	1.182E-16	2.18307E-15	0.209788	hyper	sig	chr10_99329083
chr19	47021863	47021863	+	1.182E-16	2.18419E-15	0.22513	hyper	sig	chr19_47021863
chr1	8328480	8328480	+	1.184E-16	2.18664E-15	-0.21738	hypo	sig	chr1_8328480
chr13	50127821	50127821	+	1.186E-16	2.19074E-15	0.236798	hyper	sig	chr13_50127821
chr3	1.58E+08	158102724	+	1.186E-16	2.19121E-15	0.243242	hyper	sig	chr3_158102724
chr17	45261834	45261834	+	1.187E-16	2.19301E-15	0.236022	hyper	sig	chr17_45261834
chr2	48755528	48755528	+	1.188E-16	2.19444E-15	0.203725	hyper	sig	chr2_48755528
chr7	1.57E+08	157125037	+	1.189E-16	2.19507E-15	-0.20209	hypo	sig	chr7_157125037

chr9	1052577	1052577	+	1.193E-16	2.20229E-15	0.242463	hyper	sig	chr9_1052577
chr2	1.05E+08	104842706	+	1.194E-16	2.20425E-15	0.236733	hyper	sig	chr2_104842706
chr13	25096090	25096090	+	1.195E-16	2.2063E-15	0.291231	hyper	sig	chr13_25096090
chr1	62321618	62321618	+	1.195E-16	2.20645E-15	-0.2665	hypo	sig	chr1_62321618
chr7	1.5E+08	150389132	+	1.195E-16	2.20645E-15	0.206655	hyper	sig	chr7_150389132
chr3	1.98E+08	198081803	+	1.196E-16	2.2078E-15	0.263374	hyper	sig	chr3_198081803
chr1	1.47E+08	147078324	+	1.197E-16	2.20947E-15	0.229486	hyper	sig	chr1_147078324
chr8	32647257	32647257	+	1.197E-16	2.21055E-15	0.288687	hyper	sig	chr8_32647257
chr5	3602458	3602458	+	1.199E-16	2.21443E-15	0.217065	hyper	sig	chr5_3602458
chr1	1.19E+08	119008231	+	1.2E-16	2.21486E-15	0.229957	hyper	sig	chr1_119008231
chr11	47449084	47449084	+	1.2E-16	2.21489E-15	-0.21458	hypo	sig	chr11_47449084
chr13	1.07E+08	106530778	+	1.204E-16	2.223E-15	-0.28423	hypo	sig	chr13_106530778
chr1	6466156	6466156	+	1.207E-16	2.22782E-15	0.235231	hyper	sig	chr1_6466156
chr14	1.07E+08	106851727	+	1.207E-16	2.22793E-15	-0.21697	hypo	sig	chr14_106851727
chr16	88116823	88116823	+	1.21E-16	2.23256E-15	-0.24781	hypo	sig	chr16_88116823
chr17	7180094	7180094	+	1.21E-16	2.23354E-15	-0.20757	hypo	sig	chr17_7180094
chr9	95093735	95093735	+	1.213E-16	2.23863E-15	-0.21672	hypo	sig	chr9_95093735
chr12	1.29E+08	129337723	+	1.215E-16	2.24233E-15	-0.26437	hypo	sig	chr12_129337723
chr17	6713805	6713805	+	1.219E-16	2.24952E-15	0.302052	hyper	sig	chr17_6713805
chr19	19211987	19211987	+	1.22E-16	2.25069E-15	0.20089	hyper	sig	chr19_19211987
chr8	1.06E+08	106271915	+	1.222E-16	2.2548E-15	0.224989	hyper	sig	chr8_106271915
chr16	48813095	48813095	+	1.223E-16	2.25667E-15	-0.24246	hypo	sig	chr16_48813095
chr6	1.61E+08	160679387	+	1.225E-16	2.25996E-15	0.306148	hyper	sig	chr6_160679387
chr4	1.21E+08	121380901	+	1.229E-16	2.26678E-15	0.269939	hyper	sig	chr4_121380901
chr20	21020475	21020475	+	1.229E-16	2.26762E-15	0.22297	hyper	sig	chr20_21020475
chr3	1.88E+08	187703269	+	1.23E-16	2.26864E-15	-0.22893	hypo	sig	chr3_187703269
chr2	44944228	44944228	+	1.231E-16	2.26936E-15	0.312934	hyper	sig	chr2_44944228
chr8	1.3E+08	129826169	+	1.237E-16	2.28105E-15	-0.23144	hypo	sig	chr8_129826169
chr14	64541974	64541974	+	1.238E-16	2.28249E-15	0.200566	hyper	sig	chr14_64541974
chr12	29150321	29150321	+	1.242E-16	2.28928E-15	-0.23218	hypo	sig	chr12_29150321
chr4	20253062	20253062	+	1.242E-16	2.29039E-15	0.207861	hyper	sig	chr4_20253062
chr7	35259057	35259057	+	1.243E-16	2.29255E-15	0.213395	hyper	sig	chr7_35259057
chr13	26012423	26012423	+	1.245E-16	2.29562E-15	0.24758	hyper	sig	chr13_26012423
chr16	86566671	86566671	+	1.245E-16	2.29562E-15	0.214539	hyper	sig	chr16_86566671
chr22	49670257	49670257	+	1.246E-16	2.29684E-15	0.204242	hyper	sig	chr22_49670257
chr7	5608352	5608352	+	1.246E-16	2.29773E-15	-0.24408	hypo	sig	chr7_5608352
chr20	63656647	63656647	+	1.247E-16	2.29973E-15	-0.27601	hypo	sig	chr20_63656647
chr3	1.4E+08	139539065	+	1.249E-16	2.30199E-15	0.223605	hyper	sig	chr3_139539065
chr11	1.25E+08	125166442	+	1.249E-16	2.30225E-15	0.223411	hyper	sig	chr11_125166442
chr4	1.23E+08	122826403	+	1.251E-16	2.3066E-15	0.241691	hyper	sig	chr4_122826403
chr8	64798817	64798817	+	1.256E-16	2.31414E-15	0.235458	hyper	sig	chr8_64798817
chr15	89367917	89367917	+	1.258E-16	2.31905E-15	0.218195	hyper	sig	chr15_89367917
chr17	76279079	76279079	+	1.26E-16	2.32239E-15	-0.22954	hypo	sig	chr17_76279079
chr15	93307954	93307954	+	1.262E-16	2.3252E-15	-0.23737	hypo	sig	chr15_93307954
chr6	1.68E+08	168001614	+	1.263E-16	2.32723E-15	-0.20909	hypo	sig	chr6_168001614
chr4	7664572	7664572	+	1.264E-16	2.32946E-15	-0.20641	hypo	sig	chr4_7664572
chr19	851650	851650	+	1.265E-16	2.33124E-15	-0.21466	hypo	sig	chr19_851650
chr6	1.7E+08	170083341	+	1.267E-16	2.33347E-15	-0.24602	hypo	sig	chr6_170083341
chr19	55452735	55452735	+	1.267E-16	2.33348E-15	0.279936	hyper	sig	chr19_55452735
chr7	1325366	1325366	+	1.267E-16	2.33348E-15	-0.20395	hypo	sig	chr7_1325366
chr19	37551323	37551323	+	1.27E-16	2.33991E-15	0.280785	hyper	sig	chr19_37551323
chr10	23172388	23172388	+	1.271E-16	2.34038E-15	0.320127	hyper	sig	chr10_23172388
chr10	95231140	95231140	+	1.272E-16	2.34364E-15	0.265956	hyper	sig	chr10_95231140
chr6	1.68E+08	168410583	+	1.275E-16	2.34887E-15	-0.23222	hypo	sig	chr6_168410583
chr4	1.21E+08	121381121	+	1.279E-16	2.35496E-15	0.231532	hyper	sig	chr4_121381121
chr7	88760083	88760083	+	1.281E-16	2.35868E-15	0.215027	hyper	sig	chr7_88760083

chr7	44235957	44235957	+	1.283E-16	2.36191E-15	-0.24435	hypo	sig	chr7_44235957
chr12	54014588	54014588	+	1.285E-16	2.3669E-15	0.210481	hyper	sig	chr12_54014588
chr2	3598750	3598750	+	1.285E-16	2.3669E-15	-0.32071	hypo	sig	chr2_3598750
chr17	82904291	82904291	+	1.286E-16	2.36748E-15	-0.20693	hypo	sig	chr17_82904291
chr8	55005835	55005835	+	1.286E-16	2.36875E-15	-0.27261	hypo	sig	chr8_55005835
chr12	1.24E+08	123943735	+	1.288E-16	2.37146E-15	-0.23719	hypo	sig	chr12_123943735
chr4	1.76E+08	176001925	+	1.288E-16	2.37216E-15	0.226301	hyper	sig	chr4_176001925
chr10	8043657	8043657	+	1.289E-16	2.37272E-15	0.214928	hyper	sig	chr10_8043657
chr19	53908402	53908402	+	1.289E-16	2.37363E-15	0.234361	hyper	sig	chr19_53908402
chr1	902080	902080	+	1.29E-16	2.37434E-15	-0.29107	hypo	sig	chr1_902080
chr1	1.81E+08	181317474	+	1.29E-16	2.37438E-15	0.262971	hyper	sig	chr1_181317474
chr7	4810474	4810474	+	1.293E-16	2.3798E-15	-0.30316	hypo	sig	chr7_4810474
chr11	18792481	18792481	+	1.293E-16	2.38019E-15	0.203175	hyper	sig	chr11_18792481
chr4	1.67E+08	167233624	+	1.295E-16	2.38357E-15	0.226393	hyper	sig	chr4_167233624
chr16	86088541	86088541	+	1.295E-16	2.38371E-15	-0.22958	hypo	sig	chr16_86088541
chr4	74364732	74364732	+	1.296E-16	2.38567E-15	0.250755	hyper	sig	chr4_74364732
chr14	24172045	24172045	+	1.299E-16	2.39094E-15	0.228263	hyper	sig	chr14_24172045
chr3	62371080	62371080	+	1.3E-16	2.39273E-15	0.260032	hyper	sig	chr3_62371080
chr21	29298179	29298179	+	1.302E-16	2.39663E-15	-0.22982	hypo	sig	chr21_29298179
chr6	1625290	1625290	+	1.309E-16	2.40956E-15	0.238829	hyper	sig	chr6_1625290
chr15	24477791	24477791	+	1.31E-16	2.40998E-15	0.202476	hyper	sig	chr15_24477791
chr8	47763162	47763162	+	1.311E-16	2.41237E-15	0.200921	hyper	sig	chr8_47763162
chr6	1521852	1521852	+	1.313E-16	2.4158E-15	-0.23762	hypo	sig	chr6_1521852
chr5	1.41E+08	140877219	+	1.315E-16	2.41904E-15	0.217118	hyper	sig	chr5_140877219
chr19	686959	686959	+	1.317E-16	2.42268E-15	-0.28734	hypo	sig	chr19_686959
chr4	1.54E+08	153792141	+	1.319E-16	2.42624E-15	0.227327	hyper	sig	chr4_153792141
chr1	1.61E+08	161472907	+	1.32E-16	2.42913E-15	-0.20375	hypo	sig	chr1_161472907
chr3	1.38E+08	138101848	+	1.323E-16	2.4342E-15	-0.22687	hypo	sig	chr3_138101848
chr10	23195275	23195275	+	1.323E-16	2.43466E-15	0.230939	hyper	sig	chr10_23195275
chr18	79795555	79795555	+	1.324E-16	2.43629E-15	-0.21638	hypo	sig	chr18_79795555
chr12	65729534	65729534	+	1.325E-16	2.43666E-15	0.223468	hyper	sig	chr12_65729534
chr6	1.7E+08	170166709	+	1.326E-16	2.43999E-15	-0.22612	hypo	sig	chr6_170166709
chr10	1.32E+08	132140507	+	1.334E-16	2.45445E-15	-0.20314	hypo	sig	chr10_132140507
chr3	9552502	9552502	+	1.336E-16	2.45695E-15	0.225319	hyper	sig	chr3_9552502
chr7	63790704	63790704	+	1.337E-16	2.45795E-15	0.215103	hyper	sig	chr7_63790704
chr7	44141752	44141752	+	1.337E-16	2.45915E-15	-0.25564	hypo	sig	chr7_44141752
chr5	1.42E+08	141638802	+	1.339E-16	2.46157E-15	-0.22246	hypo	sig	chr5_141638802
chr16	86495356	86495356	+	1.34E-16	2.46458E-15	0.240403	hyper	sig	chr16_86495356
chr4	2458709	2458709	+	1.341E-16	2.46505E-15	-0.25752	hypo	sig	chr4_2458709
chr11	1927703	1927703	+	1.341E-16	2.46632E-15	-0.22377	hypo	sig	chr11_1927703
chr6	43276554	43276554	+	1.342E-16	2.46716E-15	-0.28753	hypo	sig	chr6_43276554
chr7	1.04E+08	103990591	+	1.342E-16	2.46753E-15	0.200299	hyper	sig	chr7_103990591
chr8	10595406	10595406	+	1.342E-16	2.46792E-15	-0.22329	hypo	sig	chr8_10595406
chr3	11157024	11157024	+	1.344E-16	2.47144E-15	-0.24087	hypo	sig	chr3_11157024
chr10	43573959	43573959	+	1.348E-16	2.47777E-15	0.25997	hyper	sig	chr10_43573959
chr8	10729359	10729359	+	1.348E-16	2.47781E-15	0.206606	hyper	sig	chr8_10729359
chr12	1.22E+08	122437600	+	1.349E-16	2.48026E-15	-0.2521	hypo	sig	chr12_122437600
chr10	86263305	86263305	+	1.351E-16	2.48395E-15	0.236214	hyper	sig	chr10_86263305
chr19	19212027	19212027	+	1.352E-16	2.48542E-15	0.263133	hyper	sig	chr19_19212027
chr13	35478440	35478440	+	1.354E-16	2.48837E-15	0.269085	hyper	sig	chr13_35478440
chr19	45911465	45911465	+	1.357E-16	2.49359E-15	-0.23183	hypo	sig	chr19_45911465
chr15	37098120	37098120	+	1.358E-16	2.49624E-15	0.266407	hyper	sig	chr15_37098120
chr16	987134	987134	+	1.359E-16	2.49679E-15	-0.24683	hypo	sig	chr16_987134
chr16	30031929	30031929	+	1.361E-16	2.50047E-15	-0.27609	hypo	sig	chr16_30031929
chr19	37551340	37551340	+	1.362E-16	2.50281E-15	0.310021	hyper	sig	chr19_37551340
chr19	37817472	37817472	+	1.366E-16	2.51054E-15	0.268431	hyper	sig	chr19_37817472

chr6	1.05E+08	104941575	+	1.367E-16	2.51169E-15	0.257656	hyper	sig	chr6_104941575
chr8	54455051	54455051	+	1.369E-16	2.51484E-15	0.260604	hyper	sig	chr8_54455051
chr15	1E+08	100373658	+	1.369E-16	2.51515E-15	0.259697	hyper	sig	chr15_100373658
chr2	2.02E+08	201619167	+	1.371E-16	2.51884E-15	0.274286	hyper	sig	chr2_201619167
chr3	1.88E+08	187669952	+	1.373E-16	2.52279E-15	0.229093	hyper	sig	chr3_187669952
chr9	94332682	94332682	+	1.375E-16	2.52564E-15	0.210237	hyper	sig	chr9_94332682
chr17	18203499	18203499	+	1.376E-16	2.52747E-15	-0.20474	hypo	sig	chr17_18203499
chr6	30716807	30716807	+	1.377E-16	2.5291E-15	-0.20347	hypo	sig	chr6_30716807
chr8	39314594	39314594	+	1.378E-16	2.52999E-15	0.213734	hyper	sig	chr8_39314594
chr2	31139448	31139448	+	1.379E-16	2.53184E-15	-0.22534	hypo	sig	chr2_31139448
chr10	69571934	69571934	+	1.379E-16	2.53286E-15	0.232315	hyper	sig	chr10_69571934
chr7	45088628	45088628	+	1.381E-16	2.53528E-15	0.341379	hyper	sig	chr7_45088628
chr20	1804657	1804657	+	1.381E-16	2.53626E-15	-0.25225	hypo	sig	chr20_1804657
chr10	1.32E+08	131520510	+	1.381E-16	2.53628E-15	-0.23709	hypo	sig	chr10_131520510
chr17	19978314	19978314	+	1.382E-16	2.53776E-15	0.243553	hyper	sig	chr17_19978314
chr15	66720432	66720432	+	1.383E-16	2.53853E-15	-0.22069	hypo	sig	chr15_66720432
chr2	1.97E+08	196601471	+	1.383E-16	2.53853E-15	-0.27971	hypo	sig	chr2_196601471
chr13	99989245	99989245	+	1.383E-16	2.53856E-15	0.236924	hyper	sig	chr13_99989245
chr7	5237577	5237577	+	1.384E-16	2.54095E-15	-0.20564	hypo	sig	chr7_5237577
chr7	1224409	1224409	+	1.385E-16	2.54248E-15	0.249087	hyper	sig	chr7_1224409
chr14	28767270	28767270	+	1.385E-16	2.54274E-15	0.254608	hyper	sig	chr14_28767270
chr12	48198431	48198431	+	1.386E-16	2.54378E-15	0.202999	hyper	sig	chr12_48198431
chr20	62476222	62476222	+	1.387E-16	2.54562E-15	0.200322	hyper	sig	chr20_62476222
chr15	25728989	25728989	+	1.388E-16	2.54766E-15	-0.23233	hypo	sig	chr15_25728989
chr12	1.33E+08	132524537	+	1.389E-16	2.55044E-15	-0.2302	hypo	sig	chr12_132524537
chr16	88118319	88118319	+	1.391E-16	2.55389E-15	-0.24374	hypo	sig	chr16_88118319
chr13	66009510	66009510	+	1.393E-16	2.55611E-15	-0.23253	hypo	sig	chr13_66009510
chr5	1.33E+08	132748092	+	1.395E-16	2.56039E-15	-0.30681	hypo	sig	chr5_132748092
chr8	52939199	52939199	+	1.396E-16	2.56152E-15	0.271794	hyper	sig	chr8_52939199
chr2	50347617	50347617	+	1.398E-16	2.56666E-15	0.246803	hyper	sig	chr2_50347617
chr11	1025118	1025118	+	1.399E-16	2.56707E-15	-0.20313	hypo	sig	chr11_1025118
chr13	52849805	52849805	+	1.4E-16	2.56954E-15	0.207205	hyper	sig	chr13_52849805
chr11	1660391	1660391	+	1.402E-16	2.57242E-15	-0.21878	hypo	sig	chr11_1660391
chr1	25610186	25610186	+	1.407E-16	2.58262E-15	-0.24111	hypo	sig	chr1_25610186
chr7	19112566	19112566	+	1.408E-16	2.58432E-15	0.268813	hyper	sig	chr7_19112566
chr12	15221123	15221123	+	1.409E-16	2.58487E-15	0.276391	hyper	sig	chr12_15221123
chr1	3122525	3122525	+	1.411E-16	2.5887E-15	-0.258	hypo	sig	chr1_3122525
chr6	32076719	32076719	+	1.412E-16	2.59044E-15	-0.31698	hypo	sig	chr6_32076719
chr1	3673457	3673457	+	1.412E-16	2.59134E-15	-0.25567	hypo	sig	chr1_3673457
chr13	1.02E+08	101919950	+	1.413E-16	2.59209E-15	0.251417	hyper	sig	chr13_101919950
chr7	73424372	73424372	+	1.413E-16	2.59221E-15	0.205192	hyper	sig	chr7_73424372
chr3	62369316	62369316	+	1.413E-16	2.59252E-15	0.237831	hyper	sig	chr3_62369316
chr5	1967182	1967182	+	1.416E-16	2.5983E-15	-0.21202	hypo	sig	chr5_1967182
chr6	1384545	1384545	+	1.416E-16	2.5984E-15	0.205838	hyper	sig	chr6_1384545
chr6	52839563	52839563	+	1.417E-16	2.59856E-15	-0.23291	hypo	sig	chr6_52839563
chr1	1.44E+08	143661648	+	1.419E-16	2.60194E-15	0.245301	hyper	sig	chr1_143661648
chr3	1.43E+08	142964348	+	1.42E-16	2.60471E-15	0.280064	hyper	sig	chr3_142964348
chr13	48319659	48319659	+	1.422E-16	2.60762E-15	0.224001	hyper	sig	chr13_48319659
chr5	1.79E+08	178577110	+	1.423E-16	2.60927E-15	0.240996	hyper	sig	chr5_178577110
chr1	50417811	50417811	+	1.425E-16	2.61342E-15	0.204192	hyper	sig	chr1_50417811
chr11	31815930	31815930	+	1.428E-16	2.61875E-15	0.239834	hyper	sig	chr11_31815930
chr3	1.38E+08	137771635	+	1.429E-16	2.61983E-15	0.204129	hyper	sig	chr3_137771635
chr11	79438361	79438361	+	1.431E-16	2.62333E-15	0.256113	hyper	sig	chr11_79438361
chr6	6002547	6002547	+	1.431E-16	2.6238E-15	0.223941	hyper	sig	chr6_6002547
chr17	73748794	73748794	+	1.431E-16	2.62395E-15	-0.25033	hypo	sig	chr17_73748794
chr12	1.02E+08	101642524	+	1.432E-16	2.62586E-15	0.205065	hyper	sig	chr12_101642524

chr17	44558482	44558482	+	1.432E-16	2.62586E-15	0.235365	hyper	sig	chr17_44558482
chr2	1.92E+08	192195683	+	1.435E-16	2.63085E-15	0.295266	hyper	sig	chr2_192195683
chr13	25301168	25301168	+	1.435E-16	2.63162E-15	0.220482	hyper	sig	chr13_25301168
chr15	79093703	79093703	+	1.438E-16	2.6364E-15	-0.27345	hypo	sig	chr15_79093703
chr11	2301277	2301277	+	1.441E-16	2.64211E-15	-0.21784	hypo	sig	chr11_2301277
chr2	2.13E+08	212536748	+	1.443E-16	2.64602E-15	0.238374	hyper	sig	chr2_212536748
chr4	7331648	7331648	+	1.444E-16	2.64654E-15	-0.29059	hypo	sig	chr4_7331648
chr9	62800070	62800070	+	1.445E-16	2.64927E-15	0.218522	hyper	sig	chr9_62800070
chr15	70475046	70475046	+	1.448E-16	2.65486E-15	-0.20115	hypo	sig	chr15_70475046
chr15	29688710	29688710	+	1.454E-16	2.6642E-15	-0.22194	hypo	sig	chr15_29688710
chr8	19758336	19758336	+	1.455E-16	2.66665E-15	-0.20986	hypo	sig	chr8_19758336
chr14	99319871	99319871	+	1.456E-16	2.66754E-15	-0.26323	hypo	sig	chr14_99319871
chr7	1.57E+08	157425873	+	1.456E-16	2.66755E-15	-0.27259	hypo	sig	chr7_157425873
chr19	53255247	53255247	+	1.456E-16	2.66863E-15	0.290745	hyper	sig	chr19_53255247
chr17	36939298	36939298	+	1.458E-16	2.67115E-15	0.261587	hyper	sig	chr17_36939298
chr10	1.17E+08	117197748	+	1.46E-16	2.67506E-15	-0.20998	hypo	sig	chr10_117197748
chr4	52077081	52077081	+	1.462E-16	2.67912E-15	0.226208	hyper	sig	chr4_52077081
chr3	1.7E+08	169666687	+	1.464E-16	2.68179E-15	0.215326	hyper	sig	chr3_169666687
chr2	98346511	98346511	+	1.464E-16	2.6818E-15	0.245776	hyper	sig	chr2_98346511
chr3	62369713	62369713	+	1.465E-16	2.68373E-15	0.321704	hyper	sig	chr3_62369713
chr8	23705706	23705706	+	1.465E-16	2.68373E-15	0.21923	hyper	sig	chr8_23705706
chr17	81412651	81412651	+	1.468E-16	2.6883E-15	-0.24565	hypo	sig	chr17_81412651
chr11	67665501	67665501	+	1.468E-16	2.68932E-15	-0.20544	hypo	sig	chr11_67665501
chr1	35577410	35577410	+	1.469E-16	2.69059E-15	0.218818	hyper	sig	chr1_35577410
chr16	775480	775480	+	1.474E-16	2.69929E-15	-0.2329	hypo	sig	chr16_775480
chr17	17306339	17306339	+	1.477E-16	2.70541E-15	-0.22087	hypo	sig	chr17_17306339
chr11	5935356	5935356	+	1.483E-16	2.71643E-15	-0.25359	hypo	sig	chr11_5935356
chr4	6663971	6663971	+	1.483E-16	2.71662E-15	0.278129	hyper	sig	chr4_6663971
chr16	88982318	88982318	+	1.484E-16	2.71812E-15	-0.22635	hypo	sig	chr16_88982318
chr3	1.92E+08	191952409	+	1.488E-16	2.72539E-15	-0.20077	hypo	sig	chr3_191952409
chr11	1.19E+08	118531832	+	1.49E-16	2.72815E-15	0.259908	hyper	sig	chr11_118531832
chr1	20724029	20724029	+	1.49E-16	2.72836E-15	-0.26494	hypo	sig	chr1_20724029
chr8	49909711	49909711	+	1.493E-16	2.73358E-15	0.219333	hyper	sig	chr8_49909711
chr5	32712975	32712975	+	1.494E-16	2.73589E-15	0.242358	hyper	sig	chr5_32712975
chr7	5356615	5356615	+	1.497E-16	2.73993E-15	0.241801	hyper	sig	chr7_5356615
chr4	1.72E+08	171812669	+	1.499E-16	2.74347E-15	0.276926	hyper	sig	chr4_171812669
chr5	93596137	93596137	+	1.5E-16	2.74531E-15	0.258623	hyper	sig	chr5_93596137
chr6	1.37E+08	137497229	+	1.501E-16	2.74693E-15	0.214544	hyper	sig	chr6_137497229
chr8	56445765	56445765	+	1.502E-16	2.75013E-15	0.203432	hyper	sig	chr8_56445765
chr8	24915369	24915369	+	1.504E-16	2.75239E-15	0.216135	hyper	sig	chr8_24915369
chr1	1.16E+08	115651588	+	1.504E-16	2.75269E-15	-0.20953	hypo	sig	chr1_115651588
chr6	27681055	27681055	+	1.505E-16	2.75433E-15	0.278103	hyper	sig	chr6_27681055
chr16	22293355	22293355	+	1.505E-16	2.75473E-15	-0.25941	hypo	sig	chr16_22293355
chr17	77771602	77771602	+	1.507E-16	2.7589E-15	-0.25164	hypo	sig	chr17_77771602
chr19	11530435	11530435	+	1.509E-16	2.7613E-15	-0.2273	hypo	sig	chr19_11530435
chr4	80185480	80185480	+	1.512E-16	2.76675E-15	0.261209	hyper	sig	chr4_80185480
chr16	73056758	73056758	+	1.514E-16	2.77065E-15	0.227894	hyper	sig	chr16_73056758
chr5	14414820	14414820	+	1.519E-16	2.7794E-15	0.211686	hyper	sig	chr5_14414820
chr5	1.77E+08	176873194	+	1.521E-16	2.78384E-15	-0.26737	hypo	sig	chr5_176873194
chr16	89916083	89916083	+	1.524E-16	2.78762E-15	-0.21635	hypo	sig	chr16_89916083
chr10	15719546	15719546	+	1.527E-16	2.79422E-15	0.226852	hyper	sig	chr10_15719546
chr19	18225545	18225545	+	1.528E-16	2.79463E-15	0.263036	hyper	sig	chr19_18225545
chr8	38974833	38974833	+	1.534E-16	2.80669E-15	0.215483	hyper	sig	chr8_38974833
chr13	25372623	25372623	+	1.54E-16	2.8171E-15	0.313299	hyper	sig	chr13_25372623
chr1	2.21E+08	220882151	+	1.544E-16	2.82403E-15	0.234381	hyper	sig	chr1_220882151
chr12	24902328	24902328	+	1.544E-16	2.82447E-15	0.209821	hyper	sig	chr12_24902328

chr5	71719610	71719610	+	1.546E-16	2.82631E-15	0.257254	hyper	sig	chr5_71719610
chr1	75132246	75132246	+	1.55E-16	2.83358E-15	0.344194	hyper	sig	chr1_75132246
chr1	6466225	6466225	+	1.551E-16	2.83537E-15	0.291937	hyper	sig	chr1_6466225
chr10	13891690	13891690	+	1.551E-16	2.83683E-15	0.213843	hyper	sig	chr10_13891690
chr10	1.01E+08	101135992	+	1.552E-16	2.83831E-15	0.238149	hyper	sig	chr10_101135992
chr17	3960719	3960719	+	1.555E-16	2.84351E-15	-0.21341	hypo	sig	chr17_3960719
chr10	69103984	69103984	+	1.557E-16	2.84653E-15	-0.25968	hypo	sig	chr10_69103984
chr21	26967677	26967677	+	1.558E-16	2.84876E-15	0.264026	hyper	sig	chr21_26967677
chr18	5196465	5196465	+	1.559E-16	2.84998E-15	0.23785	hyper	sig	chr18_5196465
chr4	89836560	89836560	+	1.561E-16	2.85361E-15	0.246158	hyper	sig	chr4_89836560
chr7	1.12E+08	111563035	+	1.564E-16	2.85838E-15	-0.33553	hypo	sig	chr7_111563035
chr5	76951822	76951822	+	1.564E-16	2.85876E-15	-0.26967	hypo	sig	chr5_76951822
chr7	2570302	2570302	+	1.565E-16	2.85971E-15	-0.35105	hypo	sig	chr7_2570302
chr4	10461974	10461974	+	1.567E-16	2.86474E-15	0.228205	hyper	sig	chr4_10461974
chr8	21724440	21724440	+	1.567E-16	2.86487E-15	-0.22742	hypo	sig	chr8_21724440
chr1	11538302	11538302	+	1.569E-16	2.86763E-15	-0.24084	hypo	sig	chr1_11538302
chr6	33190711	33190711	+	1.57E-16	2.86913E-15	-0.2637	hypo	sig	chr6_33190711
chr12	40692493	40692493	+	1.573E-16	2.87386E-15	0.207882	hyper	sig	chr12_40692493
chr5	1.73E+08	173233763	+	1.574E-16	2.87572E-15	0.226988	hyper	sig	chr5_173233763
chr19	18931935	18931935	+	1.575E-16	2.87773E-15	-0.26479	hypo	sig	chr19_18931935
chr22	24188779	24188779	+	1.576E-16	2.87948E-15	-0.25434	hypo	sig	chr22_24188779
chr3	47010043	47010043	+	1.577E-16	2.88093E-15	0.271153	hyper	sig	chr3_47010043
chr8	1.34E+08	134478922	+	1.577E-16	2.88093E-15	-0.20421	hypo	sig	chr8_134478922
chr12	53938369	53938369	+	1.578E-16	2.88301E-15	0.273459	hyper	sig	chr12_53938369
chr19	58098563	58098563	+	1.578E-16	2.88305E-15	0.222563	hyper	sig	chr19_58098563
chr16	2180252	2180252	+	1.579E-16	2.88496E-15	-0.25448	hypo	sig	chr16_2180252
chr7	74209303	74209303	+	1.579E-16	2.88507E-15	-0.34394	hypo	sig	chr7_74209303
chr1	2595977	2595977	+	1.582E-16	2.89034E-15	-0.26019	hypo	sig	chr1_2595977
chr8	19758333	19758333	+	1.586E-16	2.89685E-15	-0.20725	hypo	sig	chr8_19758333
chr16	55656351	55656351	+	1.586E-16	2.89745E-15	0.2116	hyper	sig	chr16_55656351
chr2	1.08E+08	107985905	+	1.59E-16	2.90363E-15	-0.29733	hypo	sig	chr2_107985905
chr7	97024534	97024534	+	1.592E-16	2.90793E-15	0.201739	hyper	sig	chr7_97024534
chr2	1.19E+08	118834128	+	1.595E-16	2.91369E-15	0.242961	hyper	sig	chr2_118834128
chr1	1.19E+08	118993665	+	1.597E-16	2.91754E-15	0.219648	hyper	sig	chr1_118993665
chr19	56507311	56507311	+	1.598E-16	2.91811E-15	0.277189	hyper	sig	chr19_56507311
chr1	36464781	36464781	+	1.6E-16	2.92224E-15	0.20507	hyper	sig	chr1_36464781
chr11	1.09E+08	109422435	+	1.601E-16	2.92467E-15	0.251601	hyper	sig	chr11_109422435
chr12	50033118	50033118	+	1.602E-16	2.92619E-15	0.284146	hyper	sig	chr12_50033118
chr18	46758124	46758124	+	1.604E-16	2.92811E-15	0.220063	hyper	sig	chr18_46758124
chr3	1.54E+08	154428071	+	1.604E-16	2.92835E-15	0.250942	hyper	sig	chr3_154428071
chr2	55923902	55923902	+	1.604E-16	2.92949E-15	0.270175	hyper	sig	chr2_55923902
chr14	54220115	54220115	+	1.607E-16	2.93397E-15	0.207219	hyper	sig	chr14_54220115
chr7	1.03E+08	103141677	+	1.608E-16	2.93545E-15	-0.37995	hypo	sig	chr7_103141677
chr22	37103701	37103701	+	1.608E-16	2.93552E-15	-0.21822	hypo	sig	chr22_37103701
chr5	1.42E+08	141512743	+	1.609E-16	2.93823E-15	0.246118	hyper	sig	chr5_141512743
chr10	1.33E+08	133213438	+	1.61E-16	2.94015E-15	-0.20803	hypo	sig	chr10_133213438
chr7	94012139	94012139	+	1.611E-16	2.94117E-15	-0.30551	hypo	sig	chr7_94012139
chr8	64374027	64374027	+	1.612E-16	2.94236E-15	0.311774	hyper	sig	chr8_64374027
chr4	1.39E+08	139279461	+	1.612E-16	2.94286E-15	0.225934	hyper	sig	chr4_139279461
chr19	52493320	52493320	+	1.612E-16	2.94326E-15	0.243908	hyper	sig	chr19_52493320
chr8	2561937	2561937	+	1.617E-16	2.95076E-15	0.227835	hyper	sig	chr8_2561937
chr1	2.34E+08	233904299	+	1.617E-16	2.9515E-15	0.202679	hyper	sig	chr1_233904299
chr4	1.57E+08	157219905	+	1.617E-16	2.95227E-15	0.206241	hyper	sig	chr4_157219905
chr22	33057036	33057036	+	1.619E-16	2.95507E-15	-0.21061	hypo	sig	chr22_33057036
chr4	41881147	41881147	+	1.621E-16	2.95826E-15	0.214385	hyper	sig	chr4_41881147
chr5	1.41E+08	141150046	+	1.623E-16	2.9614E-15	0.2065	hyper	sig	chr5_141150046

chr5	88889234	88889234	+	1.63E-16	2.9735E-15	0.239478	hyper	sig	chr5_88889234
chr20	21397804	21397804	+	1.632E-16	2.97802E-15	0.339019	hyper	sig	chr20_21397804
chr12	48198938	48198938	+	1.632E-16	2.97865E-15	0.251893	hyper	sig	chr12_48198938
chr2	1.72E+08	172093596	+	1.633E-16	2.97921E-15	0.204933	hyper	sig	chr2_172093596
chr12	1.14E+08	114444798	+	1.634E-16	2.98168E-15	0.256249	hyper	sig	chr12_114444798
chr21	30425867	30425867	+	1.647E-16	3.00499E-15	-0.259	hypo	sig	chr21_30425867
chr19	6712498	6712498	+	1.649E-16	3.00723E-15	-0.26274	hypo	sig	chr19_6712498
chr16	86516174	86516174	+	1.651E-16	3.01131E-15	0.231038	hyper	sig	chr16_86516174
chr17	50781412	50781412	+	1.652E-16	3.01287E-15	0.220875	hyper	sig	chr17_50781412
chr16	57529580	57529580	+	1.654E-16	3.01715E-15	-0.22193	hypo	sig	chr16_57529580
chr8	1.45E+08	144713284	+	1.658E-16	3.02324E-15	0.260829	hyper	sig	chr8_144713284
chr11	5301746	5301746	+	1.661E-16	3.02934E-15	-0.24947	hypo	sig	chr11_5301746
chr2	96527426	96527426	+	1.665E-16	3.03517E-15	0.236842	hyper	sig	chr2_96527426
chr22	17785288	17785288	+	1.665E-16	3.03517E-15	-0.20601	hypo	sig	chr22_17785288
chr1	58249948	58249948	+	1.666E-16	3.03843E-15	0.202585	hyper	sig	chr1_58249948
chr21	26573044	26573044	+	1.668E-16	3.04117E-15	0.285186	hyper	sig	chr21_26573044
chr6	32083128	32083128	+	1.668E-16	3.04176E-15	-0.24909	hypo	sig	chr6_32083128
chr8	64577096	64577096	+	1.673E-16	3.04995E-15	0.297137	hyper	sig	chr8_64577096
chr15	26298670	26298670	+	1.674E-16	3.05175E-15	-0.22605	hypo	sig	chr15_26298670
chr11	67442482	67442482	+	1.675E-16	3.05317E-15	-0.25025	hypo	sig	chr11_67442482
chr4	1.52E+08	151690375	+	1.676E-16	3.05488E-15	-0.20089	hypo	sig	chr4_151690375
chr5	1.69E+08	168529911	+	1.676E-16	3.05549E-15	0.225709	hyper	sig	chr5_168529911
chr6	32148439	32148439	+	1.678E-16	3.05769E-15	0.233432	hyper	sig	chr6_32148439
chr2	2.2E+08	219562699	+	1.683E-16	3.06656E-15	-0.27305	hypo	sig	chr2_219562699
chr5	1.41E+08	141235970	+	1.683E-16	3.06698E-15	0.230796	hyper	sig	chr5_141235970
chr6	77456719	77456719	+	1.683E-16	3.06797E-15	-0.24991	hypo	sig	chr6_77456719
chr8	57143502	57143502	+	1.684E-16	3.06848E-15	0.245286	hyper	sig	chr8_57143502
chr6	71588942	71588942	+	1.685E-16	3.07092E-15	0.202406	hyper	sig	chr6_71588942
chr3	309092	309092	+	1.687E-16	3.07396E-15	0.203124	hyper	sig	chr3_309092
chr6	83524677	83524677	+	1.691E-16	3.08087E-15	-0.20389	hypo	sig	chr6_83524677
chr1	2.28E+08	228149753	+	1.692E-16	3.08277E-15	-0.24608	hypo	sig	chr1_228149753
chr2	315204	315204	+	1.693E-16	3.0853E-15	-0.20334	hypo	sig	chr2_315204
chr3	71067175	71067175	+	1.694E-16	3.08702E-15	-0.24329	hypo	sig	chr3_71067175
chr4	386637	386637	+	1.699E-16	3.09548E-15	0.239418	hyper	sig	chr4_386637
chr10	1.01E+08	101146893	+	1.699E-16	3.09577E-15	0.31241	hyper	sig	chr10_101146893
chr7	30770567	30770567	+	1.707E-16	3.11061E-15	-0.25269	hypo	sig	chr7_30770567
chr14	73713514	73713514	+	1.708E-16	3.11084E-15	0.224162	hyper	sig	chr14_73713514
chr3	1.35E+08	134793712	+	1.713E-16	3.12099E-15	-0.24524	hypo	sig	chr3_134793712
chr2	5695979	5695979	+	1.713E-16	3.12123E-15	0.287924	hyper	sig	chr2_5695979
chr2	20106989	20106989	+	1.714E-16	3.12172E-15	0.278427	hyper	sig	chr2_20106989
chr11	1.3E+08	130446155	+	1.714E-16	3.12262E-15	-0.23102	hypo	sig	chr11_130446155
chr6	1.69E+08	168887170	+	1.716E-16	3.12651E-15	-0.20689	hypo	sig	chr6_168887170
chr15	26866657	26866657	+	1.719E-16	3.13087E-15	0.212483	hyper	sig	chr15_26866657
chr8	26049534	26049534	+	1.719E-16	3.13087E-15	0.261327	hyper	sig	chr8_26049534
chr19	37251878	37251878	+	1.72E-16	3.13217E-15	0.200438	hyper	sig	chr19_37251878
chr1	30715056	30715056	+	1.722E-16	3.13581E-15	-0.22594	hypo	sig	chr1_30715056
chr20	56343923	56343923	+	1.722E-16	3.13666E-15	0.226402	hyper	sig	chr20_56343923
chr6	1.69E+08	168887162	+	1.724E-16	3.13867E-15	-0.21124	hypo	sig	chr6_168887162
chr17	8057131	8057131	+	1.725E-16	3.14103E-15	-0.27029	hypo	sig	chr17_8057131
chr6	89118388	89118388	+	1.725E-16	3.14199E-15	0.211499	hyper	sig	chr6_89118388
chr15	59995883	59995883	+	1.728E-16	3.14575E-15	0.262002	hyper	sig	chr15_59995883
chr3	1.82E+08	181720395	+	1.729E-16	3.14745E-15	0.241058	hyper	sig	chr3_181720395
chr7	32260090	32260090	+	1.737E-16	3.16196E-15	-0.21338	hypo	sig	chr7_32260090
chr11	1.34E+08	134069775	+	1.74E-16	3.16731E-15	0.254251	hyper	sig	chr11_134069775
chr7	1.51E+08	151410601	+	1.743E-16	3.17379E-15	0.212216	hyper	sig	chr7_151410601
chr5	76169744	76169744	+	1.745E-16	3.17632E-15	-0.29052	hypo	sig	chr5_76169744

chr13	83879750	83879750	+	1.745E-16	3.17683E-15	0.238589	hyper	sig	chr13_83879750
chr2	50347550	50347550	+	1.755E-16	3.19444E-15	0.202205	hyper	sig	chr2_50347550
chr6	1.05E+08	104940417	+	1.756E-16	3.1958E-15	0.231644	hyper	sig	chr6_104940417
chr6	32220466	32220466	+	1.758E-16	3.1997E-15	-0.24396	hypo	sig	chr6_32220466
chr1	52842982	52842982	+	1.761E-16	3.20589E-15	0.214867	hyper	sig	chr1_52842982
chr4	3711560	3711560	+	1.764E-16	3.20938E-15	-0.20424	hypo	sig	chr4_3711560
chr5	1.81E+08	181174220	+	1.764E-16	3.20981E-15	0.217483	hyper	sig	chr5_181174220
chr8	41834223	41834223	+	1.767E-16	3.21544E-15	-0.27403	hypo	sig	chr8_41834223
chr20	35292463	35292463	+	1.774E-16	3.22757E-15	-0.20121	hypo	sig	chr20_35292463
chr6	10389858	10389858	+	1.775E-16	3.2287E-15	0.302921	hyper	sig	chr6_10389858
chr2	2.13E+08	212536718	+	1.777E-16	3.23266E-15	0.256767	hyper	sig	chr2_212536718
chr16	84819028	84819028	+	1.778E-16	3.23493E-15	-0.21304	hypo	sig	chr16_84819028
chr7	1.57E+08	157124910	+	1.784E-16	3.2445E-15	-0.2456	hypo	sig	chr7_157124910
chr22	48501341	48501341	+	1.787E-16	3.2497E-15	-0.24281	hypo	sig	chr22_48501341
chr15	84080690	84080690	+	1.787E-16	3.25057E-15	0.24072	hyper	sig	chr15_84080690
chr17	73956944	73956944	+	1.788E-16	3.25161E-15	-0.27567	hypo	sig	chr17_73956944
chr8	1.03E+08	103370337	+	1.79E-16	3.25584E-15	-0.25111	hypo	sig	chr8_103370337
chr17	57045581	57045581	+	1.791E-16	3.2566E-15	0.283275	hyper	sig	chr17_57045581
chr20	63037117	63037117	+	1.791E-16	3.25735E-15	-0.21113	hypo	sig	chr20_63037117
chr16	85826557	85826557	+	1.793E-16	3.26075E-15	-0.29954	hypo	sig	chr16_85826557
chr11	1.23E+08	122977749	+	1.794E-16	3.26235E-15	0.21375	hyper	sig	chr11_122977749
chr6	33069199	33069199	+	1.794E-16	3.2626E-15	-0.20141	hypo	sig	chr6_33069199
chr1	2.28E+08	228148857	+	1.797E-16	3.26708E-15	-0.23429	hypo	sig	chr1_228148857
chr14	77026406	77026406	+	1.798E-16	3.26849E-15	0.207133	hyper	sig	chr14_77026406
chr6	83709658	83709658	+	1.8E-16	3.27341E-15	0.207261	hyper	sig	chr6_83709658
chr19	57935094	57935094	+	1.801E-16	3.27502E-15	0.257124	hyper	sig	chr19_57935094
chr8	97278144	97278144	+	1.802E-16	3.2761E-15	0.206767	hyper	sig	chr8_97278144
chr11	32438443	32438443	+	1.803E-16	3.27731E-15	0.206692	hyper	sig	chr11_32438443
chr22	49634698	49634698	+	1.804E-16	3.27906E-15	-0.26989	hypo	sig	chr22_49634698
chr9	96719423	96719423	+	1.804E-16	3.28039E-15	0.251479	hyper	sig	chr9_96719423
chr13	25046806	25046806	+	1.805E-16	3.28177E-15	0.202944	hyper	sig	chr13_25046806
chr15	64844910	64844910	+	1.806E-16	3.28289E-15	0.210898	hyper	sig	chr15_64844910
chr16	84146444	84146444	+	1.806E-16	3.28293E-15	-0.23061	hypo	sig	chr16_84146444
chr18	12258983	12258983	+	1.816E-16	3.3012E-15	-0.25715	hypo	sig	chr18_12258983
chr19	14085598	14085598	+	1.816E-16	3.30156E-15	0.213298	hyper	sig	chr19_14085598
chr17	843836	843836	+	1.82E-16	3.30782E-15	-0.27886	hypo	sig	chr17_843836
chr7	35258998	35258998	+	1.825E-16	3.31635E-15	0.241444	hyper	sig	chr7_35258998
chr1	1.58E+08	157994004	+	1.828E-16	3.32222E-15	0.201105	hyper	sig	chr1_157994004
chr12	1.32E+08	132340083	+	1.83E-16	3.32478E-15	-0.26059	hypo	sig	chr12_132340083
chr11	1660401	1660401	+	1.83E-16	3.32606E-15	-0.23111	hypo	sig	chr11_1660401
chr3	1.95E+08	195105717	+	1.831E-16	3.3269E-15	-0.20532	hypo	sig	chr3_195105717
chr17	79711857	79711857	+	1.833E-16	3.3305E-15	-0.25165	hypo	sig	chr17_79711857
chr19	20078247	20078247	+	1.833E-16	3.33126E-15	0.200712	hyper	sig	chr19_20078247
chr7	1.51E+08	151380491	+	1.839E-16	3.3406E-15	-0.24096	hypo	sig	chr7_151380491
chr6	77466798	77466798	+	1.84E-16	3.34232E-15	0.227346	hyper	sig	chr6_77466798
chr16	56673018	56673018	+	1.844E-16	3.35007E-15	-0.24654	hypo	sig	chr16_56673018
chr6	75207715	75207715	+	1.846E-16	3.35403E-15	0.25214	hyper	sig	chr6_75207715
chr3	1.41E+08	141065833	+	1.85E-16	3.36047E-15	-0.20983	hypo	sig	chr3_141065833
chr8	96160315	96160315	+	1.85E-16	3.36054E-15	0.238522	hyper	sig	chr8_96160315
chr12	41188265	41188265	+	1.85E-16	3.36131E-15	0.269838	hyper	sig	chr12_41188265
chr5	1.81E+08	181114092	+	1.851E-16	3.36173E-15	-0.20729	hypo	sig	chr5_181114092
chr9	94607536	94607536	+	1.853E-16	3.3654E-15	-0.26003	hypo	sig	chr9_94607536
chr17	58192894	58192894	+	1.854E-16	3.36732E-15	-0.21967	hypo	sig	chr17_58192894
chr19	727128	727128	+	1.857E-16	3.37213E-15	-0.30584	hypo	sig	chr19_727128
chr7	1.55E+08	155487968	+	1.858E-16	3.37404E-15	-0.22206	hypo	sig	chr7_155487968
chr8	60660750	60660750	+	1.86E-16	3.37781E-15	-0.22877	hypo	sig	chr8_60660750

chr12	19410542	19410542	+	1.861E-16	3.37922E-15	-0.37824	hypo	sig	chr12_19410542
chr16	88816686	88816686	+	1.862E-16	3.38121E-15	-0.20769	hypo	sig	chr16_88816686
chr19	15902831	15902831	+	1.864E-16	3.3845E-15	-0.21887	hypo	sig	chr19_15902831
chr2	8026907	8026907	+	1.864E-16	3.38491E-15	-0.20725	hypo	sig	chr2_8026907
chr4	3774681	3774681	+	1.865E-16	3.38597E-15	-0.20258	hypo	sig	chr4_3774681
chr6	33008272	33008272	+	1.867E-16	3.38962E-15	-0.20247	hypo	sig	chr6_33008272
chr19	44945182	44945182	+	1.868E-16	3.39129E-15	-0.27994	hypo	sig	chr19_44945182
chr8	64576176	64576176	+	1.868E-16	3.39154E-15	0.2197	hyper	sig	chr8_64576176
chr11	1660412	1660412	+	1.869E-16	3.39383E-15	-0.23518	hypo	sig	chr11_1660412
chr2	63057633	63057633	+	1.872E-16	3.39821E-15	0.25035	hyper	sig	chr2_63057633
chr1	16006484	16006484	+	1.873E-16	3.40091E-15	-0.21179	hypo	sig	chr1_16006484
chr1	18856158	18856158	+	1.877E-16	3.40777E-15	-0.2637	hypo	sig	chr1_18856158
chr17	27471916	27471916	+	1.887E-16	3.42605E-15	-0.21651	hypo	sig	chr17_27471916
chr3	1.25E+08	124791830	+	1.887E-16	3.42605E-15	0.212553	hyper	sig	chr3_124791830
chr15	40308078	40308078	+	1.888E-16	3.42766E-15	-0.23137	hypo	sig	chr15_40308078
chr20	56626992	56626992	+	1.89E-16	3.42991E-15	0.215259	hyper	sig	chr20_56626992
chr7	23247661	23247661	+	1.89E-16	3.42991E-15	0.261528	hyper	sig	chr7_23247661
chr15	83284196	83284196	+	1.897E-16	3.44287E-15	0.260992	hyper	sig	chr15_83284196
chr12	1.32E+08	132266260	+	1.898E-16	3.44372E-15	-0.20409	hypo	sig	chr12_132266260
chr2	2.37E+08	236507695	+	1.901E-16	3.44998E-15	0.283904	hyper	sig	chr2_236507695
chr16	88346011	88346011	+	1.905E-16	3.4557E-15	-0.20416	hypo	sig	chr16_88346011
chr1	1.85E+08	185318041	+	1.909E-16	3.46421E-15	-0.21572	hypo	sig	chr1_185318041
chr7	44278937	44278937	+	1.911E-16	3.46666E-15	-0.26759	hypo	sig	chr7_44278937
chr6	1.37E+08	137492785	+	1.911E-16	3.46687E-15	0.251477	hyper	sig	chr6_137492785
chr2	1E+08	100106695	+	1.912E-16	3.46913E-15	-0.26033	hypo	sig	chr2_100106695
chr12	54019388	54019388	+	1.917E-16	3.47752E-15	0.261431	hyper	sig	chr12_54019388
chr15	80778512	80778512	+	1.92E-16	3.48217E-15	-0.22721	hypo	sig	chr15_80778512
chr7	1.51E+08	151410829	+	1.92E-16	3.48296E-15	0.243197	hyper	sig	chr7_151410829
chr19	49325576	49325576	+	1.921E-16	3.48543E-15	-0.2142	hypo	sig	chr19_49325576
chr16	30006129	30006129	+	1.925E-16	3.49244E-15	-0.20281	hypo	sig	chr16_30006129
chr5	1194099	1194099	+	1.927E-16	3.49513E-15	-0.30502	hypo	sig	chr5_1194099
chr2	1.54E+08	153871412	+	1.928E-16	3.49606E-15	0.273044	hyper	sig	chr2_153871412
chr19	19860876	19860876	+	1.935E-16	3.50931E-15	0.235487	hyper	sig	chr19_19860876
chr3	1.34E+08	133746508	+	1.939E-16	3.51569E-15	0.266495	hyper	sig	chr3_133746508
chr19	57099468	57099468	+	1.948E-16	3.532E-15	0.283843	hyper	sig	chr19_57099468
chr19	48416212	48416212	+	1.948E-16	3.53241E-15	0.211232	hyper	sig	chr19_48416212
chr20	37902531	37902531	+	1.957E-16	3.54873E-15	0.27519	hyper	sig	chr20_37902531
chr8	39314527	39314527	+	1.958E-16	3.55044E-15	0.220424	hyper	sig	chr8_39314527
chr15	84079891	84079891	+	1.959E-16	3.55167E-15	0.210098	hyper	sig	chr15_84079891
chr17	44248354	44248354	+	1.964E-16	3.55968E-15	-0.35813	hypo	sig	chr17_44248354
chr4	13534834	13534834	+	1.965E-16	3.56292E-15	0.212716	hyper	sig	chr4_13534834
chr19	58033800	58033800	+	1.968E-16	3.56791E-15	0.240241	hyper	sig	chr19_58033800
chr15	25172902	25172902	+	1.969E-16	3.56906E-15	-0.21229	hypo	sig	chr15_25172902
chr19	3133437	3133437	+	1.969E-16	3.56975E-15	-0.30885	hypo	sig	chr19_3133437
chr3	1.7E+08	169666602	+	1.971E-16	3.5735E-15	0.257874	hyper	sig	chr3_169666602
chr21	42021948	42021948	+	1.973E-16	3.5759E-15	-0.20976	hypo	sig	chr21_42021948
chr19	49390238	49390238	+	1.975E-16	3.5791E-15	-0.21561	hypo	sig	chr19_49390238
chr16	3146061	3146061	+	1.975E-16	3.57989E-15	-0.22057	hypo	sig	chr16_3146061
chr2	38515523	38515523	+	1.98E-16	3.58796E-15	-0.21491	hypo	sig	chr2_38515523
chr19	45472765	45472765	+	1.98E-16	3.58842E-15	0.291602	hyper	sig	chr19_45472765
chr6	1.7E+08	170134620	+	1.98E-16	3.58855E-15	-0.22243	hypo	sig	chr6_170134620
chr6	1E+08	100449496	+	1.988E-16	3.60167E-15	0.233434	hyper	sig	chr6_100449496
chr11	3435257	3435257	+	1.989E-16	3.60414E-15	-0.2899	hypo	sig	chr11_3435257
chr5	1.41E+08	140926873	+	1.991E-16	3.60714E-15	0.233652	hyper	sig	chr5_140926873
chr10	1.2E+08	120457473	+	1.996E-16	3.61572E-15	0.210252	hyper	sig	chr10_120457473
chr19	58098497	58098497	+	1.996E-16	3.61592E-15	0.201354	hyper	sig	chr19_58098497

chr16	3950551	3950551	+	1.998E-16	3.61959E-15	-0.21498	hypo	sig	chr16_3950551
chr15	88914125	88914125	+	1.998E-16	3.62049E-15	-0.26796	hypo	sig	chr15_88914125
chr17	6714204	6714204	+	2E-16	3.62292E-15	0.255818	hyper	sig	chr17_6714204
chr11	92223542	92223542	+	2.002E-16	3.62737E-15	0.25153	hyper	sig	chr11_92223542
chr9	1.34E+08	133904388	+	2.005E-16	3.63194E-15	-0.27273	hypo	sig	chr9_133904388
chr11	92225698	92225698	+	2.006E-16	3.63404E-15	0.260069	hyper	sig	chr11_92225698
chr1	90834731	90834731	+	2.009E-16	3.63896E-15	0.209086	hyper	sig	chr1_90834731
chr2	501823	501823	+	2.009E-16	3.63989E-15	-0.27337	hypo	sig	chr2_501823
chr11	8038405	8038405	+	2.011E-16	3.64255E-15	-0.27322	hypo	sig	chr11_8038405
chr2	2.4E+08	239937596	+	2.015E-16	3.64997E-15	-0.21922	hypo	sig	chr2_239937596
chr5	1.41E+08	140848935	+	2.02E-16	3.6583E-15	0.235756	hyper	sig	chr5_140848935
chr1	71045121	71045121	+	2.021E-16	3.65991E-15	-0.23414	hypo	sig	chr1_71045121
chr1	2328538	2328538	+	2.021E-16	3.66087E-15	-0.29883	hypo	sig	chr1_2328538
chr5	38845677	38845677	+	2.022E-16	3.66087E-15	0.222493	hyper	sig	chr5_38845677
chr3	32819781	32819781	+	2.03E-16	3.67637E-15	0.245885	hyper	sig	chr3_32819781
chr15	25246168	25246168	+	2.034E-16	3.68183E-15	-0.24881	hypo	sig	chr15_25246168
chr1	2.43E+08	242524087	+	2.037E-16	3.68743E-15	0.21149	hyper	sig	chr1_242524087
chr11	1.23E+08	123302383	+	2.037E-16	3.68878E-15	0.252623	hyper	sig	chr11_123302383
chr6	1.01E+08	101398921	+	2.04E-16	3.69287E-15	0.209186	hyper	sig	chr6_101398921
chr6	10382595	10382595	+	2.04E-16	3.69364E-15	0.211328	hyper	sig	chr6_10382595
chr11	1.23E+08	123431851	+	2.041E-16	3.69431E-15	-0.22309	hypo	sig	chr11_123431851
chr5	1.41E+08	141410320	+	2.043E-16	3.6986E-15	0.239725	hyper	sig	chr5_141410320
chr2	2.41E+08	240672574	+	2.047E-16	3.70576E-15	0.203228	hyper	sig	chr2_240672574
chr13	57631001	57631001	+	2.051E-16	3.71167E-15	0.259218	hyper	sig	chr13_57631001
chr13	1.14E+08	114005119	+	2.053E-16	3.71618E-15	-0.247	hypo	sig	chr13_114005119
chr13	95552264	95552264	+	2.06E-16	3.72884E-15	0.201931	hyper	sig	chr13_95552264
chr16	87924903	87924903	+	2.061E-16	3.72943E-15	-0.21801	hypo	sig	chr16_87924903
chr8	1.33E+08	133455647	+	2.061E-16	3.72987E-15	-0.22313	hypo	sig	chr8_133455647
chr19	40224721	40224721	+	2.064E-16	3.73599E-15	-0.27723	hypo	sig	chr19_40224721
chr11	30016286	30016286	+	2.067E-16	3.74062E-15	0.267509	hyper	sig	chr11_30016286
chr6	50850473	50850473	+	2.07E-16	3.74503E-15	0.203836	hyper	sig	chr6_50850473
chr4	5710845	5710845	+	2.075E-16	3.75466E-15	0.269311	hyper	sig	chr4_5710845
chr13	20137483	20137483	+	2.082E-16	3.76563E-15	-0.24814	hypo	sig	chr13_20137483
chr12	1.15E+08	114667466	+	2.087E-16	3.77479E-15	0.261455	hyper	sig	chr12_114667466
chr21	37565014	37565014	+	2.087E-16	3.77582E-15	-0.22543	hypo	sig	chr21_37565014
chr15	74133236	74133236	+	2.09E-16	3.78056E-15	0.250961	hyper	sig	chr15_74133236
chr16	3175085	3175085	+	2.093E-16	3.78623E-15	0.232414	hyper	sig	chr16_3175085
chr3	1.7E+08	169666744	+	2.102E-16	3.80131E-15	0.241808	hyper	sig	chr3_169666744
chr5	1748966	1748966	+	2.102E-16	3.80185E-15	-0.20036	hypo	sig	chr5_1748966
chr7	20793469	20793469	+	2.103E-16	3.8034E-15	0.260735	hyper	sig	chr7_20793469
chr1	2803388	2803388	+	2.112E-16	3.81956E-15	-0.21106	hypo	sig	chr1_2803388
chr18	57352477	57352477	+	2.113E-16	3.82075E-15	0.303203	hyper	sig	chr18_57352477
chr19	36791597	36791597	+	2.116E-16	3.82521E-15	0.214193	hyper	sig	chr19_36791597
chr6	33800174	33800174	+	2.116E-16	3.82521E-15	-0.22966	hypo	sig	chr6_33800174
chr13	1.02E+08	101919895	+	2.129E-16	3.84993E-15	0.241006	hyper	sig	chr13_101919895
chr8	4994995	4994995	+	2.13E-16	3.85025E-15	0.203267	hyper	sig	chr8_4994995
chr7	1.01E+08	101299708	+	2.132E-16	3.85492E-15	0.226103	hyper	sig	chr7_101299708
chr8	1362941	1362941	+	2.134E-16	3.85818E-15	-0.22731	hypo	sig	chr8_1362941
chr10	77593085	77593085	+	2.137E-16	3.86245E-15	-0.28285	hypo	sig	chr10_77593085
chr3	1.92E+08	192408908	+	2.138E-16	3.86415E-15	0.227305	hyper	sig	chr3_192408908
chr12	75207623	75207623	+	2.141E-16	3.87004E-15	0.237999	hyper	sig	chr12_75207623
chr5	88889510	88889510	+	2.142E-16	3.87109E-15	0.245433	hyper	sig	chr5_88889510
chr8	1.43E+08	143283823	+	2.145E-16	3.87721E-15	-0.24781	hypo	sig	chr8_143283823
chr12	1.19E+08	118980984	+	2.15E-16	3.88545E-15	0.245385	hyper	sig	chr12_118980984
chr4	13535975	13535975	+	2.15E-16	3.88604E-15	0.207502	hyper	sig	chr4_13535975
chr1	1.71E+08	170660450	+	2.151E-16	3.88755E-15	0.260794	hyper	sig	chr1_170660450

chr2	2.41E+08	241187398	+	2.153E-16	3.89063E-15	-0.30161	hypo	sig	chr2_241187398
chr6	1.6E+08	159820364	+	2.156E-16	3.89642E-15	-0.28467	hypo	sig	chr6_159820364
chr12	1.14E+08	114396951	+	2.159E-16	3.9012E-15	0.203299	hyper	sig	chr12_114396951
chr7	1235890	1235890	+	2.161E-16	3.90541E-15	0.27495	hyper	sig	chr7_1235890
chr16	56193800	56193800	+	2.166E-16	3.91383E-15	0.230923	hyper	sig	chr16_56193800
chr11	20161012	20161012	+	2.173E-16	3.92522E-15	0.25098	hyper	sig	chr11_20161012
chr14	1.06E+08	106397584	+	2.175E-16	3.9289E-15	-0.21065	hypo	sig	chr14_106397584
chr7	1.58E+08	158142245	+	2.175E-16	3.93024E-15	0.212154	hyper	sig	chr7_158142245
chr17	28717665	28717665	+	2.18E-16	3.93767E-15	0.240836	hyper	sig	chr17_28717665
chr6	32083123	32083123	+	2.181E-16	3.93881E-15	-0.25981	hypo	sig	chr6_32083123
chr12	53938438	53938438	+	2.184E-16	3.94401E-15	0.337902	hyper	sig	chr12_53938438
chr15	29112808	29112808	+	2.184E-16	3.94537E-15	-0.25318	hypo	sig	chr15_29112808
chr16	29252020	29252020	+	2.186E-16	3.94897E-15	-0.24104	hypo	sig	chr16_29252020
chr22	18115198	18115198	+	2.187E-16	3.94987E-15	-0.2151	hypo	sig	chr22_18115198
chr19	2860193	2860193	+	2.187E-16	3.95044E-15	-0.21207	hypo	sig	chr19_2860193
chr7	1.3E+08	130491064	+	2.19E-16	3.95533E-15	0.226192	hyper	sig	chr7_130491064
chr9	1.36E+08	135969759	+	2.19E-16	3.95533E-15	-0.2431	hypo	sig	chr9_135969759
chr5	1.79E+08	179265790	+	2.192E-16	3.95795E-15	0.215223	hyper	sig	chr5_179265790
chr5	1.69E+08	168530041	+	2.193E-16	3.96025E-15	0.236182	hyper	sig	chr5_168530041
chr17	57745029	57745029	+	2.194E-16	3.96143E-15	-0.22375	hypo	sig	chr17_57745029
chr16	51150033	51150033	+	2.196E-16	3.9648E-15	0.274835	hyper	sig	chr16_51150033
chr1	90720365	90720365	+	2.197E-16	3.96663E-15	0.257952	hyper	sig	chr1_90720365
chr8	41301157	41301157	+	2.203E-16	3.97852E-15	-0.22847	hypo	sig	chr8_41301157
chr11	69250082	69250082	+	2.207E-16	3.98588E-15	-0.21572	hypo	sig	chr11_69250082
chr7	56118930	56118930	+	2.208E-16	3.98659E-15	-0.3045	hypo	sig	chr7_56118930
chr6	6004212	6004212	+	2.209E-16	3.98928E-15	0.228494	hyper	sig	chr6_6004212
chr1	1.02E+08	101996504	+	2.213E-16	3.99461E-15	0.250595	hyper	sig	chr1_101996504
chr16	30007241	30007241	+	2.219E-16	4.0054E-15	-0.26641	hypo	sig	chr16_30007241
chr7	30912215	30912215	+	2.219E-16	4.0054E-15	0.205489	hyper	sig	chr7_30912215
chr11	1454669	1454669	+	2.222E-16	4.01159E-15	-0.20509	hypo	sig	chr11_1454669
chr15	39582499	39582499	+	2.225E-16	4.01549E-15	0.24779	hyper	sig	chr15_39582499
chr15	74755119	74755119	+	2.229E-16	4.0223E-15	-0.26654	hypo	sig	chr15_74755119
chr19	13013863	13013863	+	2.23E-16	4.02432E-15	0.210573	hyper	sig	chr19_13013863
chr1	2.42E+08	242059566	+	2.23E-16	4.02521E-15	-0.27791	hypo	sig	chr1_242059566
chr11	74470721	74470721	+	2.235E-16	4.03397E-15	-0.25136	hypo	sig	chr11_74470721
chr16	31569203	31569203	+	2.24E-16	4.04143E-15	0.317754	hyper	sig	chr16_31569203
chr5	1.79E+08	178577082	+	2.24E-16	4.04194E-15	0.247199	hyper	sig	chr5_178577082
chr6	1.59E+08	159126862	+	2.241E-16	4.04458E-15	-0.22151	hypo	sig	chr6_159126862
chr11	1.3E+08	130206439	+	2.247E-16	4.05485E-15	-0.30381	hypo	sig	chr11_130206439
chr7	2665686	2665686	+	2.247E-16	4.05485E-15	-0.24128	hypo	sig	chr7_2665686
chr19	58350136	58350136	+	2.253E-16	4.06464E-15	0.206555	hyper	sig	chr19_58350136
chr4	8599769	8599769	+	2.254E-16	4.06578E-15	-0.24681	hypo	sig	chr4_8599769
chr16	3236070	3236070	+	2.254E-16	4.066E-15	-0.25158	hypo	sig	chr16_3236070
chr6	1.46E+08	146434486	+	2.254E-16	4.06689E-15	0.231781	hyper	sig	chr6_146434486
chr5	73381466	73381466	+	2.258E-16	4.07411E-15	0.211318	hyper	sig	chr5_73381466
chr9	1.36E+08	135982294	+	2.26E-16	4.07724E-15	-0.20037	hypo	sig	chr9_135982294
chr16	65126338	65126338	+	2.26E-16	4.07741E-15	-0.25991	hypo	sig	chr16_65126338
chr1	2.43E+08	242525379	+	2.261E-16	4.07881E-15	0.205542	hyper	sig	chr1_242525379
chr12	53938090	53938090	+	2.262E-16	4.08061E-15	0.267447	hyper	sig	chr12_53938090
chr2	1.76E+08	176084182	+	2.272E-16	4.09746E-15	0.2145	hyper	sig	chr2_176084182
chr11	33372800	33372800	+	2.274E-16	4.10205E-15	-0.25717	hypo	sig	chr11_33372800
chr8	54454237	54454237	+	2.274E-16	4.10205E-15	0.269847	hyper	sig	chr8_54454237
chr7	1567304	1567304	+	2.284E-16	4.1187E-15	-0.2464	hypo	sig	chr7_1567304
chr17	78258048	78258048	+	2.286E-16	4.12166E-15	-0.22765	hypo	sig	chr17_78258048
chr16	1543854	1543854	+	2.291E-16	4.13082E-15	-0.25603	hypo	sig	chr16_1543854
chr14	69154964	69154964	+	2.293E-16	4.13476E-15	-0.25293	hypo	sig	chr14_69154964

chr1	2.21E+08	220877423	+	2.294E-16	4.13531E-15	0.201149	hyper	sig	chr1_220877423
chr11	1.29E+08	128876616	+	2.295E-16	4.13679E-15	-0.20818	hypo	sig	chr11_128876616
chr6	1.27E+08	127119283	+	2.295E-16	4.1373E-15	0.209646	hyper	sig	chr6_127119283
chr7	1.58E+08	157668735	+	2.295E-16	4.13786E-15	0.200439	hyper	sig	chr7_157668735
chr13	28099670	28099670	+	2.296E-16	4.1387E-15	0.285501	hyper	sig	chr13_28099670
chr7	1.01E+08	100642471	+	2.296E-16	4.13973E-15	-0.33985	hypo	sig	chr7_100642471
chr1	23169521	23169521	+	2.297E-16	4.1398E-15	-0.27828	hypo	sig	chr1_23169521
chr1	92441826	92441826	+	2.305E-16	4.15396E-15	-0.25725	hypo	sig	chr1_92441826
chr16	1205203	1205203	+	2.305E-16	4.15417E-15	-0.21899	hypo	sig	chr16_1205203
chr4	1.9E+08	190017250	+	2.307E-16	4.15754E-15	0.301805	hyper	sig	chr4_190017250
chr16	86510917	86510917	+	2.308E-16	4.15925E-15	0.220837	hyper	sig	chr16_86510917
chr4	1.04E+08	103720391	+	2.309E-16	4.16089E-15	0.226816	hyper	sig	chr4_103720391
chr11	61831479	61831479	+	2.313E-16	4.16762E-15	-0.24258	hypo	sig	chr11_61831479
chr11	31802692	31802692	+	2.315E-16	4.17222E-15	0.248821	hyper	sig	chr11_31802692
chr17	28717686	28717686	+	2.323E-16	4.18531E-15	0.216704	hyper	sig	chr17_28717686
chr12	52613817	52613817	+	2.325E-16	4.18949E-15	-0.26143	hypo	sig	chr12_52613817
chr13	27919285	27919285	+	2.33E-16	4.19819E-15	0.268224	hyper	sig	chr13_27919285
chr19	728357	728357	+	2.33E-16	4.19858E-15	-0.27329	hypo	sig	chr19_728357
chr19	45911477	45911477	+	2.331E-16	4.19991E-15	-0.23398	hypo	sig	chr19_45911477
chr19	48444315	48444315	+	2.335E-16	4.20738E-15	0.274238	hyper	sig	chr19_48444315
chr19	17980413	17980413	+	2.336E-16	4.20865E-15	-0.28259	hypo	sig	chr19_17980413
chr17	36742422	36742422	+	2.341E-16	4.21721E-15	-0.26149	hypo	sig	chr17_36742422
chr6	1608158	1608158	+	2.342E-16	4.21898E-15	0.207279	hyper	sig	chr6_1608158
chr13	23324417	23324417	+	2.343E-16	4.21951E-15	-0.2137	hypo	sig	chr13_23324417
chr15	82648530	82648530	+	2.346E-16	4.22518E-15	0.248461	hyper	sig	chr15_82648530
chr1	50424983	50424983	+	2.35E-16	4.23173E-15	0.254707	hyper	sig	chr1_50424983
chr2	1.21E+08	120581075	+	2.352E-16	4.23572E-15	-0.21889	hypo	sig	chr2_120581075
chr14	99792912	99792912	+	2.354E-16	4.23879E-15	0.244766	hyper	sig	chr14_99792912
chr1	2.43E+08	242523705	+	2.354E-16	4.23894E-15	0.232378	hyper	sig	chr1_242523705
chr1	99004078	99004078	+	2.354E-16	4.23941E-15	0.290684	hyper	sig	chr1_99004078
chr19	814992	814992	+	2.362E-16	4.25314E-15	-0.27473	hypo	sig	chr19_814992
chr3	62371503	62371503	+	2.364E-16	4.25596E-15	0.259888	hyper	sig	chr3_62371503
chr4	1.66E+08	165874244	+	2.368E-16	4.26301E-15	0.28934	hyper	sig	chr4_165874244
chr10	1.05E+08	104639210	+	2.372E-16	4.27018E-15	0.256543	hyper	sig	chr10_104639210
chr4	1.47E+08	146637100	+	2.379E-16	4.28239E-15	0.24148	hyper	sig	chr4_146637100
chr19	36331518	36331518	+	2.379E-16	4.28274E-15	0.215763	hyper	sig	chr19_36331518
chr17	5771276	5771276	+	2.384E-16	4.29259E-15	0.251854	hyper	sig	chr17_5771276
chr12	70920386	70920386	+	2.387E-16	4.29624E-15	0.2382	hyper	sig	chr12_70920386
chr5	1.8E+08	180138596	+	2.387E-16	4.29624E-15	-0.22318	hypo	sig	chr5_180138596
chr6	41560753	41560753	+	2.398E-16	4.31668E-15	0.22396	hyper	sig	chr6_41560753
chr2	80322640	80322640	+	2.399E-16	4.31712E-15	0.253667	hyper	sig	chr2_80322640
chr1	1.48E+08	148246621	+	2.399E-16	4.31859E-15	0.233202	hyper	sig	chr1_148246621
chr7	1211537	1211537	+	2.403E-16	4.32447E-15	-0.22199	hypo	sig	chr7_1211537
chr9	1.37E+08	136652177	+	2.403E-16	4.32556E-15	-0.22269	hypo	sig	chr9_136652177
chr4	7645126	7645126	+	2.404E-16	4.32573E-15	-0.21611	hypo	sig	chr4_7645126
chr15	93074799	93074799	+	2.405E-16	4.329E-15	-0.26513	hypo	sig	chr15_93074799
chr12	72271459	72271459	+	2.408E-16	4.33251E-15	0.233911	hyper	sig	chr12_72271459
chr17	77541362	77541362	+	2.408E-16	4.33296E-15	-0.24433	hypo	sig	chr17_77541362
chr6	1.65E+08	165309162	+	2.408E-16	4.33334E-15	0.20564	hyper	sig	chr6_165309162
chr5	1.41E+08	141423518	+	2.414E-16	4.34428E-15	0.206998	hyper	sig	chr5_141423518
chr4	1.9E+08	189642825	+	2.417E-16	4.3483E-15	-0.25915	hypo	sig	chr4_189642825
chr9	1.37E+08	137143982	+	2.418E-16	4.35132E-15	-0.23044	hypo	sig	chr9_137143982
chr20	63458917	63458917	+	2.421E-16	4.35507E-15	-0.30878	hypo	sig	chr20_63458917
chr22	48491023	48491023	+	2.422E-16	4.35686E-15	0.215641	hyper	sig	chr22_48491023
chr1	7070041	7070041	+	2.427E-16	4.36678E-15	0.229012	hyper	sig	chr1_7070041
chr11	20670592	20670592	+	2.428E-16	4.36808E-15	0.262439	hyper	sig	chr11_20670592

chr1	2.21E+08	220796679	+	2.428E-16	4.36869E-15	-0.26123	hypo	sig	chr1_220796679
chr3	1.2E+08	119810178	+	2.428E-16	4.36869E-15	0.265228	hyper	sig	chr3_119810178
chr10	13891694	13891694	+	2.432E-16	4.37572E-15	0.214112	hyper	sig	chr10_13891694
chr11	22192791	22192791	+	2.433E-16	4.37692E-15	0.241353	hyper	sig	chr11_22192791
chr13	48319053	48319053	+	2.433E-16	4.37697E-15	0.200965	hyper	sig	chr13_48319053
chr1	16227890	16227890	+	2.434E-16	4.37765E-15	0.253732	hyper	sig	chr1_16227890
chr19	38790763	38790763	+	2.434E-16	4.37891E-15	-0.25494	hypo	sig	chr19_38790763
chr10	52778772	52778772	+	2.437E-16	4.38281E-15	0.286702	hyper	sig	chr10_52778772
chr8	71558946	71558946	+	2.437E-16	4.3833E-15	0.253295	hyper	sig	chr8_71558946
chr2	1.19E+08	118843370	+	2.437E-16	4.38394E-15	0.320601	hyper	sig	chr2_118843370
chr5	10562903	10562903	+	2.438E-16	4.38473E-15	0.208348	hyper	sig	chr5_10562903
chr19	38869690	38869690	+	2.44E-16	4.38807E-15	0.298113	hyper	sig	chr19_38869690
chr10	92420744	92420744	+	2.44E-16	4.38852E-15	0.283777	hyper	sig	chr10_92420744
chr3	10819864	10819864	+	2.448E-16	4.40153E-15	-0.21219	hypo	sig	chr3_10819864
chr2	468262	468262	+	2.455E-16	4.41377E-15	0.201776	hyper	sig	chr2_468262
chr10	55627991	55627991	+	2.461E-16	4.4241E-15	0.232978	hyper	sig	chr10_55627991
chr6	1E+08	100467315	+	2.465E-16	4.43087E-15	0.225263	hyper	sig	chr6_100467315
chr8	1054113	1054113	+	2.465E-16	4.43204E-15	0.201083	hyper	sig	chr8_1054113
chr1	1.48E+08	148310023	+	2.472E-16	4.44343E-15	0.228175	hyper	sig	chr1_148310023
chr19	58043147	58043147	+	2.475E-16	4.44954E-15	0.216565	hyper	sig	chr19_58043147
chr11	1.25E+08	125166429	+	2.481E-16	4.45895E-15	0.212194	hyper	sig	chr11_125166429
chr13	35475554	35475554	+	2.483E-16	4.46274E-15	0.21066	hyper	sig	chr13_35475554
chr15	89409673	89409673	+	2.485E-16	4.46665E-15	0.201658	hyper	sig	chr15_89409673
chr5	1.23E+08	123098471	+	2.485E-16	4.46665E-15	0.225974	hyper	sig	chr5_123098471
chr10	70283742	70283742	+	2.486E-16	4.46748E-15	0.319204	hyper	sig	chr10_70283742
chr14	94773830	94773830	+	2.487E-16	4.46953E-15	0.301241	hyper	sig	chr14_94773830
chr10	558150	558150	+	2.489E-16	4.47232E-15	-0.22699	hypo	sig	chr10_558150
chr4	4226517	4226517	+	2.49E-16	4.47397E-15	0.207686	hyper	sig	chr4_4226517
chr20	63690047	63690047	+	2.492E-16	4.47725E-15	-0.21819	hypo	sig	chr20_63690047
chr3	47009283	47009283	+	2.504E-16	4.49948E-15	0.253689	hyper	sig	chr3_47009283
chr17	19978308	19978308	+	2.508E-16	4.50677E-15	0.243787	hyper	sig	chr17_19978308
chr16	84176889	84176889	+	2.509E-16	4.50706E-15	-0.22036	hypo	sig	chr16_84176889
chr1	90717464	90717464	+	2.51E-16	4.50901E-15	0.241186	hyper	sig	chr1_90717464
chr10	1.3E+08	129892985	+	2.511E-16	4.51067E-15	-0.20103	hypo	sig	chr10_129892985
chr5	1.59E+08	159105300	+	2.512E-16	4.51316E-15	0.209881	hyper	sig	chr5_159105300
chr12	1.31E+08	130703756	+	2.515E-16	4.51826E-15	-0.24177	hypo	sig	chr12_130703756
chr1	36464796	36464796	+	2.516E-16	4.51907E-15	0.211618	hyper	sig	chr1_36464796
chr15	65392689	65392689	+	2.516E-16	4.51907E-15	-0.20028	hypo	sig	chr15_65392689
chr10	1.05E+08	104641066	+	2.517E-16	4.52093E-15	0.321311	hyper	sig	chr10_104641066
chr17	46820072	46820072	+	2.52E-16	4.52661E-15	0.215135	hyper	sig	chr17_46820072
chr13	98755851	98755851	+	2.521E-16	4.52769E-15	-0.35867	hypo	sig	chr13_98755851
chr14	1.02E+08	101933208	+	2.521E-16	4.52799E-15	-0.22847	hypo	sig	chr14_101933208
chr10	23192602	23192602	+	2.532E-16	4.5463E-15	0.239704	hyper	sig	chr10_23192602
chr16	81633545	81633545	+	2.537E-16	4.5552E-15	-0.22292	hypo	sig	chr16_81633545
chr16	27432612	27432612	+	2.543E-16	4.56607E-15	-0.2022	hypo	sig	chr16_27432612
chr3	42686309	42686309	+	2.546E-16	4.57026E-15	0.262774	hyper	sig	chr3_42686309
chr6	1625300	1625300	+	2.55E-16	4.57879E-15	0.22696	hyper	sig	chr6_1625300
chr17	80178714	80178714	+	2.552E-16	4.58195E-15	-0.21461	hypo	sig	chr17_80178714
chr2	73203217	73203217	+	2.556E-16	4.5895E-15	0.285332	hyper	sig	chr2_73203217
chr15	37098127	37098127	+	2.557E-16	4.59117E-15	0.261092	hyper	sig	chr15_37098127
chr16	1266244	1266244	+	2.558E-16	4.59215E-15	-0.24063	hypo	sig	chr16_1266244
chr10	70459893	70459893	+	2.559E-16	4.59327E-15	-0.33202	hypo	sig	chr10_70459893
chr22	42129210	42129210	+	2.566E-16	4.60661E-15	-0.21207	hypo	sig	chr22_42129210
chr2	61144883	61144883	+	2.57E-16	4.61274E-15	0.236117	hyper	sig	chr2_61144883
chr5	1207175	1207175	+	2.572E-16	4.61593E-15	-0.24141	hypo	sig	chr5_1207175
chr8	31637572	31637572	+	2.574E-16	4.61985E-15	-0.26574	hypo	sig	chr8_31637572

chr12	51401493	51401493	+	2.58E-16	4.62959E-15	-0.25782	hypo	sig	chr12_51401493
chr2	71466125	71466125	+	2.581E-16	4.6323E-15	0.232882	hyper	sig	chr2_71466125
chr2	2.4E+08	239775914	+	2.583E-16	4.63579E-15	0.222732	hyper	sig	chr2_239775914
chr2	95025306	95025306	+	2.585E-16	4.63859E-15	0.244329	hyper	sig	chr2_95025306
chr17	21452782	21452782	+	2.589E-16	4.64522E-15	0.212179	hyper	sig	chr17_21452782
chr19	56671576	56671576	+	2.59E-16	4.64698E-15	0.230003	hyper	sig	chr19_56671576
chr6	1E+08	100449566	+	2.597E-16	4.65839E-15	0.243391	hyper	sig	chr6_100449566
chr19	45499230	45499230	+	2.598E-16	4.66147E-15	0.270225	hyper	sig	chr19_45499230
chr19	2511650	2511650	+	2.6E-16	4.66505E-15	-0.29714	hypo	sig	chr19_2511650
chr7	43112610	43112610	+	2.604E-16	4.6704E-15	0.233044	hyper	sig	chr7_43112610
chr3	1.7E+08	169666631	+	2.609E-16	4.68E-15	0.225925	hyper	sig	chr3_169666631
chr19	12969310	12969310	+	2.613E-16	4.68741E-15	-0.21684	hypo	sig	chr19_12969310
chr11	8017027	8017027	+	2.614E-16	4.68918E-15	-0.21477	hypo	sig	chr11_8017027
chr14	96625904	96625904	+	2.619E-16	4.69725E-15	-0.20149	hypo	sig	chr14_96625904
chr7	1.51E+08	151174936	+	2.619E-16	4.69725E-15	0.289569	hyper	sig	chr7_151174936
chr3	48273414	48273414	+	2.62E-16	4.69874E-15	-0.26132	hypo	sig	chr3_48273414
chr6	408730	408730	+	2.626E-16	4.70966E-15	-0.28852	hypo	sig	chr6_408730
chr7	1.55E+08	155373196	+	2.627E-16	4.71077E-15	0.210084	hyper	sig	chr7_155373196
chr2	2.42E+08	241852909	+	2.632E-16	4.72005E-15	-0.22399	hypo	sig	chr2_241852909
chr4	1.47E+08	146654896	+	2.634E-16	4.72284E-15	0.324669	hyper	sig	chr4_146654896
chr17	81464376	81464376	+	2.642E-16	4.73637E-15	-0.25418	hypo	sig	chr17_81464376
chr1	35577413	35577413	+	2.65E-16	4.75182E-15	0.216482	hyper	sig	chr1_35577413
chr18	78976785	78976785	+	2.656E-16	4.76111E-15	0.207947	hyper	sig	chr18_78976785
chr5	73436209	73436209	+	2.657E-16	4.76266E-15	0.251737	hyper	sig	chr5_73436209
chr11	1.12E+08	111540403	+	2.658E-16	4.76464E-15	0.22907	hyper	sig	chr11_111540403
chr9	1.37E+08	137143926	+	2.658E-16	4.7649E-15	-0.27006	hypo	sig	chr9_137143926
chr1	1942397	1942397	+	2.658E-16	4.76521E-15	-0.32522	hypo	sig	chr1_1942397
chr11	521081	521081	+	2.659E-16	4.76604E-15	-0.21963	hypo	sig	chr11_521081
chr16	10944046	10944046	+	2.661E-16	4.76939E-15	-0.21718	hypo	sig	chr16_10944046
chr4	1.74E+08	173524147	+	2.663E-16	4.77311E-15	0.232872	hyper	sig	chr4_173524147
chr11	1.23E+08	122977394	+	2.664E-16	4.77488E-15	0.253922	hyper	sig	chr11_122977394
chr6	37708304	37708304	+	2.665E-16	4.77532E-15	-0.20704	hypo	sig	chr6_37708304
chr22	49634703	49634703	+	2.667E-16	4.77862E-15	-0.24213	hypo	sig	chr22_49634703
chr14	36654706	36654706	+	2.682E-16	4.80549E-15	0.294828	hyper	sig	chr14_36654706
chr10	70283796	70283796	+	2.684E-16	4.80858E-15	0.277278	hyper	sig	chr10_70283796
chr1	3166372	3166372	+	2.687E-16	4.8147E-15	-0.20273	hypo	sig	chr1_3166372
chr7	1557743	1557743	+	2.689E-16	4.81769E-15	-0.24086	hypo	sig	chr7_1557743
chr15	37098107	37098107	+	2.691E-16	4.82097E-15	0.251672	hyper	sig	chr15_37098107
chr1	2030665	2030665	+	2.698E-16	4.83422E-15	-0.24411	hypo	sig	chr1_2030665
chr10	99528160	99528160	+	2.7E-16	4.83692E-15	0.258093	hyper	sig	chr10_99528160
chr17	807406	807406	+	2.704E-16	4.84439E-15	-0.26062	hypo	sig	chr17_807406
chr8	56113960	56113960	+	2.705E-16	4.84611E-15	0.292153	hyper	sig	chr8_56113960
chr11	1.23E+08	122977762	+	2.71E-16	4.85393E-15	0.234762	hyper	sig	chr11_122977762
chr1	2.14E+08	213980034	+	2.71E-16	4.85448E-15	0.222438	hyper	sig	chr1_213980034
chr17	79199825	79199825	+	2.711E-16	4.85559E-15	-0.25966	hypo	sig	chr17_79199825
chr2	987950	987950	+	2.712E-16	4.85704E-15	-0.21052	hypo	sig	chr2_987950
chr18	80033432	80033432	+	2.714E-16	4.86081E-15	0.214672	hyper	sig	chr18_80033432
chr13	1.02E+08	101917276	+	2.715E-16	4.86308E-15	0.262486	hyper	sig	chr13_101917276
chr16	14405975	14405975	+	2.718E-16	4.86825E-15	-0.23425	hypo	sig	chr16_14405975
chr20	1002110	1002110	+	2.72E-16	4.87022E-15	0.238417	hyper	sig	chr20_1002110
chr3	1.34E+08	133674277	+	2.72E-16	4.87116E-15	0.238427	hyper	sig	chr3_133674277
chr19	9498291	9498291	+	2.724E-16	4.8773E-15	0.251833	hyper	sig	chr19_9498291
chr6	27213916	27213916	+	2.734E-16	4.89588E-15	0.201773	hyper	sig	chr6_27213916
chr12	6142231	6142231	+	2.742E-16	4.91046E-15	-0.29529	hypo	sig	chr12_6142231
chr7	20793435	20793435	+	2.744E-16	4.91318E-15	0.235938	hyper	sig	chr7_20793435
chr3	11157057	11157057	+	2.746E-16	4.91553E-15	-0.21442	hypo	sig	chr3_11157057

chr13	27794943	27794943	+	2.746E-16	4.91666E-15	0.203397	hyper	sig	chr13_27794943
chr8	29315481	29315481	+	2.759E-16	4.93874E-15	-0.20606	hypo	sig	chr8_29315481
chr10	1.05E+08	104639755	+	2.76E-16	4.94155E-15	0.23807	hyper	sig	chr10_104639755
chr17	49972974	49972974	+	2.764E-16	4.94865E-15	0.208625	hyper	sig	chr17_49972974
chr19	36915957	36915957	+	2.765E-16	4.94891E-15	0.239228	hyper	sig	chr19_36915957
chr13	94708058	94708058	+	2.765E-16	4.94945E-15	0.239989	hyper	sig	chr13_94708058
chr12	1.13E+08	113479926	+	2.767E-16	4.9522E-15	0.232233	hyper	sig	chr12_113479926
chr10	1.19E+08	118595748	+	2.769E-16	4.95701E-15	0.277365	hyper	sig	chr10_118595748
chr19	45901461	45901461	+	2.772E-16	4.96135E-15	0.278142	hyper	sig	chr19_45901461
chr17	43842309	43842309	+	2.773E-16	4.96312E-15	-0.34616	hypo	sig	chr17_43842309
chr10	1.17E+08	117140280	+	2.775E-16	4.96632E-15	0.301813	hyper	sig	chr10_117140280
chr1	1.76E+08	175599410	+	2.778E-16	4.97096E-15	0.240962	hyper	sig	chr1_175599410
chr12	62191423	62191423	+	2.78E-16	4.97383E-15	0.239942	hyper	sig	chr12_62191423
chr7	4141091	4141091	+	2.785E-16	4.98266E-15	-0.22032	hypo	sig	chr7_4141091
chr2	66445709	66445709	+	2.786E-16	4.98433E-15	0.20003	hyper	sig	chr2_66445709
chr5	91314605	91314605	+	2.788E-16	4.98749E-15	-0.22607	hypo	sig	chr5_91314605
chr3	1.47E+08	147380815	+	2.792E-16	4.99463E-15	0.202085	hyper	sig	chr3_147380815
chr7	6614791	6614791	+	2.792E-16	4.99492E-15	-0.20581	hypo	sig	chr7_6614791
chr8	1.42E+08	142181309	+	2.794E-16	4.99753E-15	-0.23874	hypo	sig	chr8_142181309
chr17	65537213	65537213	+	2.795E-16	4.99935E-15	-0.22503	hypo	sig	chr17_65537213
chr19	53058133	53058133	+	2.798E-16	5.00582E-15	0.244538	hyper	sig	chr19_53058133
chr12	1.03E+08	103496150	+	2.802E-16	5.01237E-15	0.215482	hyper	sig	chr12_103496150
chr19	4215046	4215046	+	2.805E-16	5.01599E-15	-0.23643	hypo	sig	chr19_4215046
chr8	54454245	54454245	+	2.805E-16	5.01688E-15	0.226511	hyper	sig	chr8_54454245
chr4	1.16E+08	115677911	+	2.806E-16	5.0177E-15	-0.32313	hypo	sig	chr4_115677911
chr2	2.18E+08	217755519	+	2.815E-16	5.03286E-15	-0.34756	hypo	sig	chr2_217755519
chr2	70962266	70962266	+	2.816E-16	5.03559E-15	-0.30394	hypo	sig	chr2_70962266
chr1	1.47E+08	147079944	+	2.817E-16	5.03699E-15	0.233304	hyper	sig	chr1_147079944
chr17	77255031	77255031	+	2.821E-16	5.04386E-15	-0.2346	hypo	sig	chr17_77255031
chr10	1.28E+08	127736963	+	2.821E-16	5.04449E-15	0.360305	hyper	sig	chr10_127736963
chr3	62371501	62371501	+	2.823E-16	5.04624E-15	0.261791	hyper	sig	chr3_62371501
chr5	1.41E+08	141235935	+	2.827E-16	5.05406E-15	0.201868	hyper	sig	chr5_141235935
chr19	57934974	57934974	+	2.827E-16	5.05438E-15	0.245072	hyper	sig	chr19_57934974
chr1	63330128	63330128	+	2.837E-16	5.07108E-15	0.221972	hyper	sig	chr1_63330128
chr7	1231029	1231029	+	2.838E-16	5.07259E-15	0.268281	hyper	sig	chr7_1231029
chr3	49662090	49662090	+	2.841E-16	5.07825E-15	-0.22086	hypo	sig	chr3_49662090
chr2	2.2E+08	219638425	+	2.843E-16	5.08092E-15	-0.21619	hypo	sig	chr2_219638425
chr5	63961623	63961623	+	2.844E-16	5.08296E-15	0.262596	hyper	sig	chr5_63961623
chr18	8718562	8718562	+	2.844E-16	5.0835E-15	-0.30484	hypo	sig	chr18_8718562
chr12	1.08E+08	107578587	+	2.845E-16	5.0843E-15	-0.26436	hypo	sig	chr12_107578587
chr2	2.4E+08	240326536	+	2.847E-16	5.08809E-15	-0.23797	hypo	sig	chr2_240326536
chr8	90791982	90791982	+	2.851E-16	5.09506E-15	0.207277	hyper	sig	chr8_90791982
chr17	74262646	74262646	+	2.855E-16	5.1024E-15	-0.24107	hypo	sig	chr17_74262646
chr16	86507833	86507833	+	2.857E-16	5.10472E-15	0.223207	hyper	sig	chr16_86507833
chr13	35475702	35475702	+	2.871E-16	5.12958E-15	0.204814	hyper	sig	chr13_35475702
chr5	1.42E+08	141512803	+	2.872E-16	5.13109E-15	0.258209	hyper	sig	chr5_141512803
chr6	32202101	32202101	+	2.873E-16	5.13179E-15	-0.2116	hypo	sig	chr6_32202101
chr2	26176122	26176122	+	2.88E-16	5.14397E-15	-0.26267	hypo	sig	chr2_26176122
chr1	37690987	37690987	+	2.884E-16	5.1514E-15	-0.22058	hypo	sig	chr1_37690987
chr12	1.17E+08	117045276	+	2.886E-16	5.15507E-15	0.204514	hyper	sig	chr12_117045276
chr5	42944331	42944331	+	2.886E-16	5.15507E-15	0.24783	hyper	sig	chr5_42944331
chr7	1.5E+08	149821686	+	2.889E-16	5.15968E-15	-0.24543	hypo	sig	chr7_149821686
chr14	36654578	36654578	+	2.891E-16	5.16239E-15	0.222906	hyper	sig	chr14_36654578
chr3	49903459	49903459	+	2.893E-16	5.16664E-15	-0.20124	hypo	sig	chr3_49903459
chr14	37602574	37602574	+	2.898E-16	5.17467E-15	0.263535	hyper	sig	chr14_37602574
chr2	9725348	9725348	+	2.905E-16	5.18851E-15	-0.20213	hypo	sig	chr2_9725348

chr14	1.05E+08	104605045	+	2.906E-16	5.18868E-15	0.215403	hyper	sig	chr14_104605045
chr7	99992617	99992617	+	2.909E-16	5.19471E-15	-0.23021	hypo	sig	chr7_99992617
chr10	42242740	42242740	+	2.911E-16	5.19678E-15	0.2655	hyper	sig	chr10_42242740
chr15	52784691	52784691	+	2.914E-16	5.20358E-15	0.217856	hyper	sig	chr15_52784691
chr15	60002260	60002260	+	2.921E-16	5.21556E-15	0.208349	hyper	sig	chr15_60002260
chr10	80131668	80131668	+	2.927E-16	5.22554E-15	-0.32853	hypo	sig	chr10_80131668
chr7	64495392	64495392	+	2.928E-16	5.22737E-15	0.243358	hyper	sig	chr7_64495392
chr10	1.29E+08	128959094	+	2.938E-16	5.2442E-15	-0.26262	hypo	sig	chr10_128959094
chr13	94706949	94706949	+	2.945E-16	5.25709E-15	0.209758	hyper	sig	chr13_94706949
chr12	24902334	24902334	+	2.953E-16	5.27004E-15	0.207274	hyper	sig	chr12_24902334
chr19	3481810	3481810	+	2.955E-16	5.27403E-15	-0.24182	hypo	sig	chr19_3481810
chr19	48297179	48297179	+	2.955E-16	5.27429E-15	-0.20955	hypo	sig	chr19_48297179
chr1	2.35E+08	234723167	+	2.956E-16	5.27562E-15	-0.30133	hypo	sig	chr1_234723167
chr16	3175097	3175097	+	2.957E-16	5.27698E-15	0.226457	hyper	sig	chr16_3175097
chr8	1.44E+08	144336128	+	2.958E-16	5.2794E-15	0.212864	hyper	sig	chr8_144336128
chr19	23075207	23075207	+	2.963E-16	5.2881E-15	0.222947	hyper	sig	chr19_23075207
chr10	1.32E+08	132375461	+	2.967E-16	5.29493E-15	-0.28441	hypo	sig	chr10_132375461
chr4	1602849	1602849	+	2.972E-16	5.30359E-15	-0.24949	hypo	sig	chr4_1602849
chr16	54931970	54931970	+	2.974E-16	5.3057E-15	0.220491	hyper	sig	chr16_54931970
chr8	1.43E+08	142501017	+	2.975E-16	5.30824E-15	-0.20476	hypo	sig	chr8_142501017
chr14	41607507	41607507	+	2.98E-16	5.31633E-15	0.229372	hyper	sig	chr14_41607507
chr2	2.19E+08	219332864	+	2.982E-16	5.32005E-15	0.272232	hyper	sig	chr2_219332864
chr3	1.82E+08	181703738	+	2.983E-16	5.32116E-15	0.203467	hyper	sig	chr3_181703738
chr6	32223719	32223719	+	2.992E-16	5.33757E-15	-0.24405	hypo	sig	chr6_32223719
chr13	1.14E+08	114005297	+	3E-16	5.35112E-15	-0.21143	hypo	sig	chr13_114005297
chr12	53930760	53930760	+	3.001E-16	5.35258E-15	0.219307	hyper	sig	chr12_53930760
chr6	53354874	53354874	+	3.002E-16	5.35422E-15	0.255448	hyper	sig	chr6_53354874
chr18	57354317	57354317	+	3.003E-16	5.35623E-15	0.216052	hyper	sig	chr18_57354317
chr19	10604939	10604939	+	3.004E-16	5.35816E-15	-0.2491	hypo	sig	chr19_10604939
chr6	6004733	6004733	+	3.006E-16	5.36067E-15	0.203613	hyper	sig	chr6_6004733
chr7	1.5E+08	149779836	+	3.013E-16	5.37332E-15	-0.26165	hypo	sig	chr7_149779836
chr2	1.19E+08	118849816	+	3.02E-16	5.38601E-15	0.221647	hyper	sig	chr2_118849816
chr21	33026017	33026017	+	3.025E-16	5.39341E-15	0.237631	hyper	sig	chr21_33026017
chr7	35185860	35185860	+	3.028E-16	5.39815E-15	0.217613	hyper	sig	chr7_35185860
chr4	1.09E+08	109302046	+	3.035E-16	5.41042E-15	0.256401	hyper	sig	chr4_109302046
chr17	18635269	18635269	+	3.035E-16	5.41102E-15	0.200421	hyper	sig	chr17_18635269
chr7	1206307	1206307	+	3.04E-16	5.41933E-15	-0.26364	hypo	sig	chr7_1206307
chr14	94774230	94774230	+	3.044E-16	5.42655E-15	0.217722	hyper	sig	chr14_94774230
chr5	1.23E+08	123094529	+	3.046E-16	5.4289E-15	0.216384	hyper	sig	chr5_123094529
chr1	1958510	1958510	+	3.05E-16	5.43613E-15	-0.2182	hypo	sig	chr1_1958510
chr13	27923011	27923011	+	3.061E-16	5.45449E-15	0.370323	hyper	sig	chr13_27923011
chr21	26967654	26967654	+	3.074E-16	5.47801E-15	0.22942	hyper	sig	chr21_26967654
chr3	1.33E+08	133038878	+	3.076E-16	5.48052E-15	0.208832	hyper	sig	chr3_133038878
chr12	1.32E+08	132173296	+	3.076E-16	5.48115E-15	-0.23914	hypo	sig	chr12_132173296
chr2	2.18E+08	218290745	+	3.077E-16	5.48233E-15	-0.21003	hypo	sig	chr2_218290745
chr8	1.43E+08	143265048	+	3.088E-16	5.50238E-15	-0.20218	hypo	sig	chr8_143265048
chr1	1.1E+08	109539832	+	3.094E-16	5.51173E-15	-0.23774	hypo	sig	chr1_109539832
chr6	1.08E+08	108166237	+	3.101E-16	5.52341E-15	0.312437	hyper	sig	chr6_108166237
chr8	20253346	20253346	+	3.102E-16	5.52596E-15	-0.20438	hypo	sig	chr8_20253346
chr1	3033069	3033069	+	3.109E-16	5.5377E-15	-0.26589	hypo	sig	chr1_3033069
chr17	42670477	42670477	+	3.111E-16	5.54096E-15	0.206324	hyper	sig	chr17_42670477
chr17	15918054	15918054	+	3.111E-16	5.54097E-15	0.23651	hyper	sig	chr17_15918054
chr5	1.36E+08	135830771	+	3.112E-16	5.54215E-15	-0.21336	hypo	sig	chr5_135830771
chr17	79747473	79747473	+	3.114E-16	5.5458E-15	0.200707	hyper	sig	chr17_79747473
chr13	27927202	27927202	+	3.119E-16	5.55428E-15	0.308846	hyper	sig	chr13_27927202
chr12	50033036	50033036	+	3.126E-16	5.56541E-15	0.328476	hyper	sig	chr12_50033036

chr17	37360870	37360870	+	3.127E-16	5.56848E-15	-0.23891	hypo	sig	chr17_37360870
chr7	1.54E+08	153887352	+	3.129E-16	5.57098E-15	0.306518	hyper	sig	chr7_153887352
chr2	98937350	98937350	+	3.129E-16	5.57184E-15	0.277594	hyper	sig	chr2_98937350
chr9	62800209	62800209	+	3.13E-16	5.57239E-15	0.241809	hyper	sig	chr9_62800209
chr8	70070620	70070620	+	3.132E-16	5.57658E-15	0.275795	hyper	sig	chr8_70070620
chr7	4792767	4792767	+	3.133E-16	5.57763E-15	0.229499	hyper	sig	chr7_4792767
chr4	1510542	1510542	+	3.135E-16	5.58132E-15	-0.25947	hypo	sig	chr4_1510542
chr10	23173393	23173393	+	3.136E-16	5.58288E-15	0.275116	hyper	sig	chr10_23173393
chr17	7740838	7740838	+	3.142E-16	5.59298E-15	-0.29172	hypo	sig	chr17_7740838
chr10	2936391	2936391	+	3.143E-16	5.59374E-15	-0.21412	hypo	sig	chr10_2936391
chr19	41090161	41090161	+	3.16E-16	5.62291E-15	0.20389	hyper	sig	chr19_41090161
chr17	16683710	16683710	+	3.16E-16	5.62345E-15	0.216671	hyper	sig	chr17_16683710
chr4	1.55E+08	154742781	+	3.172E-16	5.6447E-15	0.256308	hyper	sig	chr4_154742781
chr10	1.23E+08	123143291	+	3.172E-16	5.64484E-15	0.245153	hyper	sig	chr10_123143291
chr11	45696972	45696972	+	3.175E-16	5.65023E-15	-0.25267	hypo	sig	chr11_45696972
chr9	93953818	93953818	+	3.176E-16	5.651E-15	0.209337	hyper	sig	chr9_93953818
chr5	45696514	45696514	+	3.187E-16	5.66993E-15	0.235012	hyper	sig	chr5_45696514
chr11	1.12E+08	111540317	+	3.191E-16	5.67633E-15	0.210755	hyper	sig	chr11_111540317
chr5	1.23E+08	123094796	+	3.194E-16	5.6816E-15	0.253505	hyper	sig	chr5_123094796
chr14	26205235	26205235	+	3.195E-16	5.68323E-15	0.248944	hyper	sig	chr14_26205235
chr2	96985766	96985766	+	3.195E-16	5.68325E-15	-0.2721	hypo	sig	chr2_96985766
chr10	1.16E+08	116274340	+	3.199E-16	5.68941E-15	0.202089	hyper	sig	chr10_116274340
chr4	1.74E+08	173524144	+	3.199E-16	5.68995E-15	0.239665	hyper	sig	chr4_173524144
chr6	50708057	50708057	+	3.199E-16	5.6904E-15	0.251046	hyper	sig	chr6_50708057
chr1	1.45E+08	144551170	+	3.214E-16	5.71551E-15	0.265054	hyper	sig	chr1_144551170
chr6	28443339	28443339	+	3.215E-16	5.71647E-15	0.259903	hyper	sig	chr6_28443339
chr9	1045013	1045013	+	3.215E-16	5.71684E-15	0.244459	hyper	sig	chr9_1045013
chr19	16067823	16067823	+	3.216E-16	5.71901E-15	-0.24508	hypo	sig	chr19_16067823
chr1	6078825	6078825	+	3.228E-16	5.73919E-15	-0.20855	hypo	sig	chr1_6078825
chr6	70282741	70282741	+	3.231E-16	5.74444E-15	0.227238	hyper	sig	chr6_70282741
chr20	10219488	10219488	+	3.236E-16	5.75319E-15	0.210425	hyper	sig	chr20_10219488
chr7	1.55E+08	155465727	+	3.239E-16	5.758E-15	0.205391	hyper	sig	chr7_155465727
chr11	1.29E+08	128824218	+	3.239E-16	5.75871E-15	0.251843	hyper	sig	chr11_128824218
chr19	41090191	41090191	+	3.246E-16	5.76941E-15	0.234354	hyper	sig	chr19_41090191
chr2	26188836	26188836	+	3.248E-16	5.77399E-15	-0.22457	hypo	sig	chr2_26188836
chr16	5236491	5236491	+	3.252E-16	5.78014E-15	-0.2046	hypo	sig	chr16_5236491
chr18	79434648	79434648	+	3.254E-16	5.78329E-15	-0.27051	hypo	sig	chr18_79434648
chr16	53542304	53542304	+	3.257E-16	5.78843E-15	-0.20425	hypo	sig	chr16_53542304
chr5	1.46E+08	146340319	+	3.262E-16	5.79853E-15	0.231437	hyper	sig	chr5_146340319
chr7	6575322	6575322	+	3.27E-16	5.81162E-15	-0.26124	hypo	sig	chr7_6575322
chr20	57329899	57329899	+	3.281E-16	5.83067E-15	-0.22236	hypo	sig	chr20_57329899
chr11	1.16E+08	115660318	+	3.285E-16	5.83716E-15	0.219867	hyper	sig	chr11_115660318
chr16	66459130	66459130	+	3.287E-16	5.84156E-15	-0.23903	hypo	sig	chr16_66459130
chr19	57934900	57934900	+	3.293E-16	5.85138E-15	0.263723	hyper	sig	chr19_57934900
chr12	1.25E+08	124617881	+	3.293E-16	5.85166E-15	-0.27294	hypo	sig	chr12_124617881
chr2	1.61E+08	161426678	+	3.295E-16	5.85374E-15	0.200272	hyper	sig	chr2_161426678
chr20	37519147	37519147	+	3.3E-16	5.86299E-15	-0.20897	hypo	sig	chr20_37519147
chr7	42228079	42228079	+	3.3E-16	5.86299E-15	0.228093	hyper	sig	chr7_42228079
chr16	2181857	2181857	+	3.303E-16	5.86716E-15	-0.20559	hypo	sig	chr16_2181857
chr1	1.58E+08	157993989	+	3.314E-16	5.88759E-15	0.206366	hyper	sig	chr1_157993989
chr10	1.19E+08	118595603	+	3.319E-16	5.89567E-15	0.250295	hyper	sig	chr10_118595603
chr9	1.35E+08	134831363	+	3.328E-16	5.91111E-15	-0.23117	hypo	sig	chr9_134831363
chr22	39483946	39483946	+	3.328E-16	5.91143E-15	-0.25161	hypo	sig	chr22_39483946
chr8	1.43E+08	142531700	+	3.335E-16	5.92263E-15	-0.23163	hypo	sig	chr8_142531700
chr5	1967135	1967135	+	3.335E-16	5.92292E-15	-0.20364	hypo	sig	chr5_1967135
chr12	75207683	75207683	+	3.35E-16	5.94843E-15	0.209728	hyper	sig	chr12_75207683

chr20	23346170	23346170	+	3.356E-16	5.95959E-15	-0.20958	hypo	sig	chr20_23346170
chr9	1.32E+08	132196621	+	3.373E-16	5.98789E-15	-0.20284	hypo	sig	chr9_132196621
chr5	1.79E+08	179060847	+	3.375E-16	5.99183E-15	0.231153	hyper	sig	chr5_179060847
chr7	1.58E+08	157769261	+	3.377E-16	5.99595E-15	-0.20132	hypo	sig	chr7_157769261
chr1	57423089	57423089	+	3.381E-16	6.00191E-15	0.247616	hyper	sig	chr1_57423089
chr16	89972055	89972055	+	3.384E-16	6.00705E-15	0.201694	hyper	sig	chr16_89972055
chr20	56006220	56006220	+	3.384E-16	6.00761E-15	0.24324	hyper	sig	chr20_56006220
chr8	48923531	48923531	+	3.385E-16	6.00862E-15	-0.23331	hypo	sig	chr8_48923531
chr12	45051046	45051046	+	3.393E-16	6.02251E-15	0.212259	hyper	sig	chr12_45051046
chr12	1.03E+08	102824853	+	3.4E-16	6.03361E-15	0.246885	hyper	sig	chr12_102824853
chr9	98709635	98709635	+	3.402E-16	6.03787E-15	0.200119	hyper	sig	chr9_98709635
chr12	1.11E+08	110744014	+	3.402E-16	6.03801E-15	-0.22833	hypo	sig	chr12_110744014
chr1	2.43E+08	242523713	+	3.403E-16	6.03818E-15	0.225246	hyper	sig	chr1_242523713
chr16	3101201	3101201	+	3.409E-16	6.04846E-15	-0.23211	hypo	sig	chr16_3101201
chr13	1.11E+08	110506439	+	3.411E-16	6.05197E-15	-0.24165	hypo	sig	chr13_110506439
chr1	16006458	16006458	+	3.416E-16	6.06079E-15	-0.2039	hypo	sig	chr1_16006458
chr9	1.37E+08	137174402	+	3.418E-16	6.06395E-15	-0.20478	hypo	sig	chr9_137174402
chr13	35476234	35476234	+	3.427E-16	6.07947E-15	0.205822	hyper	sig	chr13_35476234
chr7	1383289	1383289	+	3.428E-16	6.08137E-15	-0.22815	hypo	sig	chr7_1383289
chr20	63578525	63578525	+	3.431E-16	6.08678E-15	-0.23032	hypo	sig	chr20_63578525
chr1	16727345	16727345	+	3.443E-16	6.10725E-15	-0.21472	hypo	sig	chr1_16727345
chr20	20365487	20365487	+	3.453E-16	6.12388E-15	0.281796	hyper	sig	chr20_20365487
chr17	38855386	38855386	+	3.453E-16	6.1243E-15	-0.20298	hypo	sig	chr17_38855386
chr19	52453964	52453964	+	3.454E-16	6.12582E-15	0.340259	hyper	sig	chr19_52453964
chr7	92608885	92608885	+	3.455E-16	6.12772E-15	-0.20129	hypo	sig	chr7_92608885
chr11	31818264	31818264	+	3.466E-16	6.14646E-15	0.204675	hyper	sig	chr11_31818264
chr13	1.13E+08	113417068	+	3.469E-16	6.1517E-15	-0.2196	hypo	sig	chr13_113417068
chr19	58440743	58440743	+	3.469E-16	6.1517E-15	0.239314	hyper	sig	chr19_58440743
chr1	3037749	3037749	+	3.474E-16	6.15944E-15	-0.28495	hypo	sig	chr1_3037749
chr1	2.27E+08	226737096	+	3.474E-16	6.16041E-15	0.230287	hyper	sig	chr1_226737096
chr2	2.4E+08	240326514	+	3.475E-16	6.16109E-15	-0.25086	hypo	sig	chr2_240326514
chr2	1.82E+08	181682936	+	3.481E-16	6.17283E-15	0.302611	hyper	sig	chr2_181682936
chr11	22432831	22432831	+	3.497E-16	6.19948E-15	0.287185	hyper	sig	chr11_22432831
chr11	2172063	2172063	+	3.501E-16	6.20751E-15	-0.24977	hypo	sig	chr11_2172063
chr19	53978642	53978642	+	3.508E-16	6.2186E-15	0.252859	hyper	sig	chr19_53978642
chr1	19403574	19403574	+	3.521E-16	6.24047E-15	-0.23242	hypo	sig	chr1_19403574
chr2	1.32E+08	131528863	+	3.526E-16	6.24913E-15	0.219234	hyper	sig	chr2_131528863
chr16	676745	676745	+	3.526E-16	6.24924E-15	-0.21585	hypo	sig	chr16_676745
chr4	41880946	41880946	+	3.528E-16	6.25242E-15	0.220613	hyper	sig	chr4_41880946
chr5	1.77E+08	177117076	+	3.534E-16	6.26426E-15	0.200255	hyper	sig	chr5_177117076
chr1	1758060	1758060	+	3.536E-16	6.26738E-15	-0.21109	hypo	sig	chr1_1758060
chr5	1.29E+08	128965789	+	3.538E-16	6.27086E-15	0.229013	hyper	sig	chr5_128965789
chr16	11231731	11231731	+	3.545E-16	6.28277E-15	-0.23964	hypo	sig	chr16_11231731
chr1	44118820	44118820	+	3.552E-16	6.2952E-15	-0.27303	hypo	sig	chr1_44118820
chr22	39459887	39459887	+	3.557E-16	6.30327E-15	-0.2213	hypo	sig	chr22_39459887
chr8	9898288	9898288	+	3.562E-16	6.31117E-15	0.255793	hyper	sig	chr8_9898288
chr15	69813180	69813180	+	3.569E-16	6.32402E-15	-0.29082	hypo	sig	chr15_69813180
chr5	1.35E+08	135486985	+	3.585E-16	6.35225E-15	-0.26864	hypo	sig	chr5_135486985
chr16	2299859	2299859	+	3.588E-16	6.35613E-15	-0.28748	hypo	sig	chr16_2299859
chr1	1430839	1430839	+	3.603E-16	6.38304E-15	-0.29691	hypo	sig	chr1_1430839
chr8	29116935	29116935	+	3.604E-16	6.38394E-15	0.233639	hyper	sig	chr8_29116935
chr9	1.22E+08	121698752	+	3.617E-16	6.4064E-15	0.220333	hyper	sig	chr9_121698752
chr13	1.12E+08	111945148	+	3.622E-16	6.41434E-15	-0.22184	hypo	sig	chr13_111945148
chr12	1.29E+08	128854246	+	3.622E-16	6.41474E-15	0.232888	hyper	sig	chr12_128854246
chr13	52845524	52845524	+	3.622E-16	6.41492E-15	0.205255	hyper	sig	chr13_52845524
chr2	1.19E+08	118843378	+	3.627E-16	6.42256E-15	0.330451	hyper	sig	chr2_118843378

chr22	45309135	45309135	+	3.629E-16	6.42669E-15	-0.21695	hypo	sig	chr22_45309135
chr16	75280410	75280410	+	3.63E-16	6.42785E-15	-0.22462	hypo	sig	chr16_75280410
chr12	1.33E+08	132908076	+	3.632E-16	6.43154E-15	0.203449	hyper	sig	chr12_132908076
chr5	539451	539451	+	3.632E-16	6.43154E-15	-0.20923	hypo	sig	chr5_539451
chr13	26051179	26051179	+	3.633E-16	6.43292E-15	0.210003	hyper	sig	chr13_26051179
chr17	14298427	14298427	+	3.635E-16	6.43495E-15	0.21186	hyper	sig	chr17_14298427
chr11	20163577	20163577	+	3.637E-16	6.43828E-15	0.250156	hyper	sig	chr11_20163577
chr9	1.31E+08	130663297	+	3.64E-16	6.44337E-15	0.212407	hyper	sig	chr9_130663297
chr2	2.17E+08	216583530	+	3.64E-16	6.44493E-15	-0.2623	hypo	sig	chr2_216583530
chr1	3373460	3373460	+	3.641E-16	6.44648E-15	-0.2054	hypo	sig	chr1_3373460
chr12	48169116	48169116	+	3.643E-16	6.44884E-15	-0.23065	hypo	sig	chr12_48169116
chr1	50426665	50426665	+	3.643E-16	6.44886E-15	0.222024	hyper	sig	chr1_50426665
chr17	4785959	4785959	+	3.649E-16	6.45868E-15	0.203532	hyper	sig	chr17_4785959
chr10	636839	636839	+	3.65E-16	6.46168E-15	-0.20199	hypo	sig	chr10_636839
chr10	1182378	1182378	+	3.653E-16	6.46655E-15	-0.23027	hypo	sig	chr10_1182378
chr7	1.3E+08	130490899	+	3.654E-16	6.46702E-15	0.220085	hyper	sig	chr7_130490899
chr3	22371741	22371741	+	3.663E-16	6.48239E-15	-0.21333	hypo	sig	chr3_22371741
chr12	54107080	54107080	+	3.668E-16	6.49262E-15	0.282785	hyper	sig	chr12_54107080
chr12	1.11E+08	111287737	+	3.675E-16	6.50402E-15	-0.26727	hypo	sig	chr12_111287737
chr11	43920868	43920868	+	3.676E-16	6.50495E-15	-0.23348	hypo	sig	chr11_43920868
chr9	6644649	6644649	+	3.678E-16	6.50891E-15	0.202652	hyper	sig	chr9_6644649
chr19	46413578	46413578	+	3.688E-16	6.52599E-15	0.204866	hyper	sig	chr19_46413578
chr17	41612710	41612710	+	3.693E-16	6.53517E-15	-0.22857	hypo	sig	chr17_41612710
chr17	14304290	14304290	+	3.7E-16	6.54679E-15	0.225671	hyper	sig	chr17_14304290
chr6	32011046	32011046	+	3.7E-16	6.54747E-15	-0.21125	hypo	sig	chr6_32011046
chr14	1.01E+08	101442537	+	3.704E-16	6.55325E-15	-0.20896	hypo	sig	chr14_101442537
chr6	1.6E+08	159820301	+	3.71E-16	6.56476E-15	-0.30427	hypo	sig	chr6_159820301
chr16	84818916	84818916	+	3.711E-16	6.56498E-15	-0.24421	hypo	sig	chr16_84818916
chr6	30076225	30076225	+	3.712E-16	6.56666E-15	-0.22863	hypo	sig	chr6_30076225
chr11	67727002	67727002	+	3.713E-16	6.56868E-15	-0.22014	hypo	sig	chr11_67727002
chr22	43223803	43223803	+	3.717E-16	6.57575E-15	-0.23708	hypo	sig	chr22_43223803
chr19	33681542	33681542	+	3.722E-16	6.58392E-15	-0.24729	hypo	sig	chr19_33681542
chr16	3236106	3236106	+	3.722E-16	6.58435E-15	-0.22637	hypo	sig	chr16_3236106
chr12	1.11E+08	111033572	+	3.724E-16	6.58756E-15	0.265876	hyper	sig	chr12_111033572
chr8	70070616	70070616	+	3.725E-16	6.58835E-15	0.270624	hyper	sig	chr8_70070616
chr12	1.04E+08	104172012	+	3.726E-16	6.59018E-15	-0.22719	hypo	sig	chr12_104172012
chr5	1.41E+08	140856426	+	3.748E-16	6.62904E-15	0.20258	hyper	sig	chr5_140856426
chr5	1.77E+08	177384012	+	3.758E-16	6.64524E-15	-0.23233	hypo	sig	chr5_177384012
chr15	96366204	96366204	+	3.758E-16	6.64562E-15	0.206619	hyper	sig	chr15_96366204
chr2	45170897	45170897	+	3.759E-16	6.64783E-15	0.207045	hyper	sig	chr2_45170897
chr14	1.06E+08	105769898	+	3.764E-16	6.65601E-15	-0.24407	hypo	sig	chr14_105769898
chr17	76139485	76139485	+	3.766E-16	6.6601E-15	-0.20387	hypo	sig	chr17_76139485
chr15	43800331	43800331	+	3.77E-16	6.66534E-15	-0.27537	hypo	sig	chr15_43800331
chr6	36285276	36285276	+	3.77E-16	6.66545E-15	0.205339	hyper	sig	chr6_36285276
chr7	1.58E+08	157984195	+	3.77E-16	6.66639E-15	-0.2278	hypo	sig	chr7_157984195
chr15	45378803	45378803	+	3.774E-16	6.67189E-15	0.218222	hyper	sig	chr15_45378803
chr19	45901459	45901459	+	3.784E-16	6.6891E-15	0.266043	hyper	sig	chr19_45901459
chr3	28575196	28575196	+	3.787E-16	6.69482E-15	0.270159	hyper	sig	chr3_28575196
chr4	702588	702588	+	3.788E-16	6.69566E-15	-0.2193	hypo	sig	chr4_702588
chr7	2662245	2662245	+	3.789E-16	6.69789E-15	-0.22893	hypo	sig	chr7_2662245
chr1	5998991	5998991	+	3.792E-16	6.70243E-15	-0.23492	hypo	sig	chr1_5998991
chr19	1231299	1231299	+	3.794E-16	6.7064E-15	-0.24592	hypo	sig	chr19_1231299
chr16	84237464	84237464	+	3.799E-16	6.71545E-15	-0.21636	hypo	sig	chr16_84237464
chr17	39165608	39165608	+	3.81E-16	6.73338E-15	0.313566	hyper	sig	chr17_39165608
chr11	1026035	1026035	+	3.815E-16	6.74284E-15	-0.26938	hypo	sig	chr11_1026035
chr6	37648982	37648982	+	3.817E-16	6.74648E-15	0.247666	hyper	sig	chr6_37648982

chr13	52159883	52159883	+	3.823E-16	6.75666E-15	-0.23296	hypo	sig	chr13_52159883
chr5	1.41E+08	141430594	+	3.826E-16	6.76154E-15	0.252244	hyper	sig	chr5_141430594
chr3	1.82E+08	181724360	+	3.834E-16	6.77451E-15	0.295341	hyper	sig	chr3_181724360
chr15	89372004	89372004	+	3.836E-16	6.77728E-15	0.246173	hyper	sig	chr15_89372004
chr16	31569590	31569590	+	3.836E-16	6.77729E-15	0.29513	hyper	sig	chr16_31569590
chr7	1231024	1231024	+	3.841E-16	6.78575E-15	0.229758	hyper	sig	chr7_1231024
chr6	41503341	41503341	+	3.846E-16	6.79595E-15	-0.25063	hypo	sig	chr6_41503341
chr3	1.38E+08	137769178	+	3.848E-16	6.79889E-15	0.203358	hyper	sig	chr3_137769178
chr8	10333467	10333467	+	3.86E-16	6.81918E-15	-0.26789	hypo	sig	chr8_10333467
chr14	1.01E+08	100729017	+	3.862E-16	6.82232E-15	-0.22598	hypo	sig	chr14_100729017
chr2	1.15E+08	115162451	+	3.868E-16	6.83254E-15	0.2212	hyper	sig	chr2_115162451
chr7	1.49E+08	149415330	+	3.873E-16	6.8409E-15	0.227088	hyper	sig	chr7_149415330
chr17	803878	803878	+	3.881E-16	6.85376E-15	-0.25834	hypo	sig	chr17_803878
chr11	44316029	44316029	+	3.892E-16	6.87289E-15	0.231381	hyper	sig	chr11_44316029
chr22	42140301	42140301	+	3.9E-16	6.88601E-15	0.232115	hyper	sig	chr22_42140301
chr20	21703799	21703799	+	3.9E-16	6.88612E-15	0.255836	hyper	sig	chr20_21703799
chr1	55007880	55007880	+	3.91E-16	6.90351E-15	-0.23368	hypo	sig	chr1_55007880
chr10	23195891	23195891	+	3.917E-16	6.91501E-15	0.21579	hyper	sig	chr10_23195891
chr15	91102970	91102970	+	3.92E-16	6.92054E-15	-0.28271	hypo	sig	chr15_91102970
chr5	1.33E+08	132831552	+	3.925E-16	6.92991E-15	-0.30828	hypo	sig	chr5_132831552
chr14	94771332	94771332	+	3.929E-16	6.93675E-15	0.23003	hyper	sig	chr14_94771332
chr3	1.82E+08	181710492	+	3.945E-16	6.96433E-15	0.210291	hyper	sig	chr3_181710492
chr16	2184118	2184118	+	3.952E-16	6.97605E-15	-0.26336	hypo	sig	chr16_2184118
chr8	64798278	64798278	+	3.958E-16	6.98496E-15	0.234097	hyper	sig	chr8_64798278
chr1	1.44E+08	143643797	+	3.965E-16	6.99794E-15	0.224894	hyper	sig	chr1_143643797
chr7	4135646	4135646	+	3.971E-16	7.00844E-15	-0.20043	hypo	sig	chr7_4135646
chr16	75248464	75248464	+	3.973E-16	7.01111E-15	-0.20881	hypo	sig	chr16_75248464
chr6	41248352	41248352	+	3.973E-16	7.01121E-15	-0.23141	hypo	sig	chr6_41248352
chr18	68879123	68879123	+	3.977E-16	7.01837E-15	-0.44365	hypo	sig	chr18_68879123
chr4	6663960	6663960	+	3.999E-16	7.05596E-15	0.261744	hyper	sig	chr4_6663960
chr5	93573663	93573663	+	4.001E-16	7.05818E-15	0.26125	hyper	sig	chr5_93573663
chr15	52794617	52794617	+	4.006E-16	7.06717E-15	0.235429	hyper	sig	chr15_52794617
chr2	5696014	5696014	+	4.008E-16	7.07029E-15	0.226436	hyper	sig	chr2_5696014
chr22	44206916	44206916	+	4.009E-16	7.07284E-15	-0.25556	hypo	sig	chr22_44206916
chr8	78762350	78762350	+	4.01E-16	7.07448E-15	0.228537	hyper	sig	chr8_78762350
chr11	829096	829096	+	4.015E-16	7.0823E-15	-0.22077	hypo	sig	chr11_829096
chr5	1.78E+08	177604334	+	4.022E-16	7.09409E-15	-0.27149	hypo	sig	chr5_177604334
chr1	3602482	3602482	+	4.023E-16	7.09539E-15	-0.23814	hypo	sig	chr1_3602482
chr1	39515740	39515740	+	4.026E-16	7.10018E-15	0.229909	hyper	sig	chr1_39515740
chr2	31216821	31216821	+	4.036E-16	7.11728E-15	-0.22207	hypo	sig	chr2_31216821
chr15	60003113	60003113	+	4.037E-16	7.11951E-15	0.230494	hyper	sig	chr15_60003113
chr7	1.59E+08	159061819	+	4.041E-16	7.12665E-15	0.220524	hyper	sig	chr7_159061819
chr21	30425918	30425918	+	4.054E-16	7.1494E-15	-0.20149	hypo	sig	chr21_30425918
chr6	1.06E+08	105981316	+	4.055E-16	7.15005E-15	0.227204	hyper	sig	chr6_105981316
chr2	949773	949773	+	4.058E-16	7.15599E-15	0.25187	hyper	sig	chr2_949773
chr7	2665679	2665679	+	4.06E-16	7.15873E-15	-0.22375	hypo	sig	chr7_2665679
chr6	1.61E+08	160765869	+	4.067E-16	7.1713E-15	-0.208	hypo	sig	chr6_160765869
chr4	2394180	2394180	+	4.078E-16	7.19007E-15	-0.21258	hypo	sig	chr4_2394180
chr3	75906984	75906984	+	4.079E-16	7.19103E-15	0.255852	hyper	sig	chr3_75906984
chr13	26046659	26046659	+	4.083E-16	7.19682E-15	-0.22074	hypo	sig	chr13_26046659
chr16	88414337	88414337	+	4.083E-16	7.19682E-15	-0.21364	hypo	sig	chr16_88414337
chr16	1038438	1038438	+	4.085E-16	7.20051E-15	-0.26604	hypo	sig	chr16_1038438
chr1	11526154	11526154	+	4.087E-16	7.20496E-15	-0.25507	hypo	sig	chr1_11526154
chr11	67442505	67442505	+	4.088E-16	7.20631E-15	-0.21422	hypo	sig	chr11_67442505
chr14	60637856	60637856	+	4.096E-16	7.2201E-15	0.202478	hyper	sig	chr14_60637856
chr20	612239	612239	+	4.107E-16	7.23795E-15	-0.26234	hypo	sig	chr20_612239

chr1	3206430	3206430	+	4.109E-16	7.24041E-15	-0.22094	hypo	sig	chr1_3206430
chr19	41090184	41090184	+	4.115E-16	7.25166E-15	0.237685	hyper	sig	chr19_41090184
chr7	1.57E+08	157392568	+	4.117E-16	7.25455E-15	-0.2093	hypo	sig	chr7_157392568
chr13	78608058	78608058	+	4.125E-16	7.26719E-15	0.217635	hyper	sig	chr13_78608058
chr3	1.26E+08	126266375	+	4.134E-16	7.28208E-15	-0.28323	hypo	sig	chr3_126266375
chr20	63824153	63824153	+	4.143E-16	7.29761E-15	-0.25357	hypo	sig	chr20_63824153
chr7	1.28E+08	128250140	+	4.145E-16	7.3006E-15	-0.25775	hypo	sig	chr7_128250140
chr17	82302424	82302424	+	4.153E-16	7.31458E-15	-0.21736	hypo	sig	chr17_82302424
chr2	86789160	86789160	+	4.154E-16	7.31594E-15	0.212306	hyper	sig	chr2_86789160
chr17	45806992	45806992	+	4.155E-16	7.31771E-15	-0.23385	hypo	sig	chr17_45806992
chr8	2046304	2046304	+	4.165E-16	7.33511E-15	-0.21858	hypo	sig	chr8_2046304
chr13	1.08E+08	107868269	+	4.17E-16	7.34289E-15	0.213457	hyper	sig	chr13_107868269
chr15	24773292	24773292	+	4.172E-16	7.34682E-15	0.242586	hyper	sig	chr15_24773292
chr2	2.18E+08	218032553	+	4.175E-16	7.35234E-15	-0.21213	hypo	sig	chr2_218032553
chr1	78491629	78491629	+	4.176E-16	7.35289E-15	0.270942	hyper	sig	chr1_78491629
chr20	21518283	21518283	+	4.178E-16	7.35589E-15	0.200421	hyper	sig	chr20_21518283
chr10	7407743	7407743	+	4.18E-16	7.36046E-15	0.22453	hyper	sig	chr10_7407743
chr6	83524653	83524653	+	4.194E-16	7.38337E-15	-0.20695	hypo	sig	chr6_83524653
chr13	1.14E+08	114164754	+	4.212E-16	7.41453E-15	-0.21711	hypo	sig	chr13_114164754
chr4	6664015	6664015	+	4.214E-16	7.41794E-15	0.289374	hyper	sig	chr4_6664015
chr2	1.18E+08	117836300	+	4.216E-16	7.42068E-15	0.279179	hyper	sig	chr2_117836300
chr15	36888282	36888282	+	4.218E-16	7.42417E-15	0.276803	hyper	sig	chr15_36888282
chr1	1.47E+08	147079320	+	4.219E-16	7.42552E-15	0.27637	hyper	sig	chr1_147079320
chr22	45884243	45884243	+	4.221E-16	7.4298E-15	-0.20609	hypo	sig	chr22_45884243
chr19	42006689	42006689	+	4.232E-16	7.44824E-15	-0.22008	hypo	sig	chr19_42006689
chr8	1.43E+08	142510267	+	4.233E-16	7.44888E-15	0.224162	hyper	sig	chr8_142510267
chr6	10382659	10382659	+	4.24E-16	7.46057E-15	0.25273	hyper	sig	chr6_10382659
chr17	3673605	3673605	+	4.243E-16	7.46563E-15	-0.27958	hypo	sig	chr17_3673605
chr20	54476326	54476326	+	4.243E-16	7.46585E-15	0.281881	hyper	sig	chr20_54476326
chr1	2.37E+08	236686755	+	4.244E-16	7.46649E-15	0.312036	hyper	sig	chr1_236686755
chr14	1.05E+08	104605018	+	4.264E-16	7.5005E-15	0.216887	hyper	sig	chr14_104605018
chr8	1.42E+08	142119754	+	4.269E-16	7.50955E-15	-0.2359	hypo	sig	chr8_142119754
chr2	2.41E+08	240816484	+	4.27E-16	7.51064E-15	-0.24095	hypo	sig	chr2_240816484
chr8	64798206	64798206	+	4.27E-16	7.51134E-15	0.237934	hyper	sig	chr8_64798206
chr5	42944408	42944408	+	4.274E-16	7.5172E-15	0.218373	hyper	sig	chr5_42944408
chr20	63254010	63254010	+	4.279E-16	7.52672E-15	0.205031	hyper	sig	chr20_63254010
chr4	7191020	7191020	+	4.287E-16	7.53893E-15	-0.24381	hypo	sig	chr4_7191020
chr20	30812914	30812914	+	4.297E-16	7.55659E-15	-0.22189	hypo	sig	chr20_30812914
chr1	2.34E+08	233905101	+	4.302E-16	7.56504E-15	0.209012	hyper	sig	chr1_233905101
chr15	89470301	89470301	+	4.306E-16	7.57284E-15	0.202662	hyper	sig	chr15_89470301
chr5	79689722	79689722	+	4.31E-16	7.57947E-15	0.337994	hyper	sig	chr5_79689722
chr1	53519070	53519070	+	4.314E-16	7.58475E-15	-0.21288	hypo	sig	chr1_53519070
chr20	45316786	45316786	+	4.315E-16	7.58747E-15	0.239815	hyper	sig	chr20_45316786
chr16	88963599	88963599	+	4.323E-16	7.60011E-15	-0.22302	hypo	sig	chr16_88963599
chr3	1.18E+08	117997259	+	4.33E-16	7.61281E-15	0.290183	hyper	sig	chr3_117997259
chr14	76138718	76138718	+	4.331E-16	7.615E-15	0.284316	hyper	sig	chr14_76138718
chr19	50695667	50695667	+	4.335E-16	7.62035E-15	0.208568	hyper	sig	chr19_50695667
chr2	1.27E+08	126888828	+	4.351E-16	7.6479E-15	-0.21032	hypo	sig	chr2_126888828
chr16	1443743	1443743	+	4.355E-16	7.65476E-15	-0.23158	hypo	sig	chr16_1443743
chr2	1.72E+08	172108467	+	4.373E-16	7.68538E-15	0.213156	hyper	sig	chr2_172108467
chr22	39100400	39100400	+	4.379E-16	7.6952E-15	-0.25191	hypo	sig	chr22_39100400
chr1	66752064	66752064	+	4.379E-16	7.69527E-15	0.201237	hyper	sig	chr1_66752064
chr5	1.16E+08	115963374	+	4.381E-16	7.6992E-15	0.287514	hyper	sig	chr5_115963374
chr7	1.49E+08	149415366	+	4.386E-16	7.70773E-15	0.277804	hyper	sig	chr7_149415366
chr17	38421449	38421449	+	4.392E-16	7.71653E-15	-0.2009	hypo	sig	chr17_38421449
chr1	9026555	9026555	+	4.394E-16	7.72087E-15	-0.20355	hypo	sig	chr1_9026555

chr5	73444962	73444962	+	4.395E-16	7.72187E-15	0.250831	hyper	sig	chr5_73444962
chr7	86645142	86645142	+	4.396E-16	7.72416E-15	0.229115	hyper	sig	chr7_86645142
chr19	2513620	2513620	+	4.402E-16	7.73326E-15	-0.27329	hypo	sig	chr19_2513620
chr8	98294811	98294811	+	4.405E-16	7.73894E-15	-0.29147	hypo	sig	chr8_98294811
chr5	1728430	1728430	+	4.407E-16	7.74106E-15	-0.2217	hypo	sig	chr5_1728430
chr12	188379	188379	+	4.407E-16	7.74168E-15	-0.20162	hypo	sig	chr12_188379
chr11	68980992	68980992	+	4.408E-16	7.74347E-15	-0.27318	hypo	sig	chr11_68980992
chr11	1026040	1026040	+	4.409E-16	7.74544E-15	-0.27035	hypo	sig	chr11_1026040
chr21	44933674	44933674	+	4.424E-16	7.77055E-15	-0.25591	hypo	sig	chr21_44933674
chr6	37646774	37646774	+	4.436E-16	7.78994E-15	-0.28302	hypo	sig	chr6_37646774
chr4	1554868	1554868	+	4.442E-16	7.80173E-15	-0.22332	hypo	sig	chr4_1554868
chr12	24902805	24902805	+	4.451E-16	7.8157E-15	0.385691	hyper	sig	chr12_24902805
chr6	32056125	32056125	+	4.453E-16	7.81954E-15	-0.20673	hypo	sig	chr6_32056125
chr2	1.19E+08	118843372	+	4.455E-16	7.82334E-15	0.319271	hyper	sig	chr2_118843372
chr16	1989104	1989104	+	4.462E-16	7.8354E-15	-0.20941	hypo	sig	chr16_1989104
chr1	1.09E+08	109481667	+	4.462E-16	7.83597E-15	-0.22378	hypo	sig	chr1_109481667
chr1	30380222	30380222	+	4.472E-16	7.85179E-15	-0.22674	hypo	sig	chr1_30380222
chr7	1.51E+08	151203433	+	4.477E-16	7.8602E-15	-0.21539	hypo	sig	chr7_151203433
chr17	807367	807367	+	4.484E-16	7.87268E-15	-0.22226	hypo	sig	chr17_807367
chr1	18718343	18718343	+	4.496E-16	7.89362E-15	-0.26765	hypo	sig	chr1_18718343
chr4	1.55E+08	154743058	+	4.499E-16	7.89846E-15	0.246587	hyper	sig	chr4_154743058
chr12	54090591	54090591	+	4.503E-16	7.90539E-15	0.238238	hyper	sig	chr12_54090591
chr5	1.41E+08	140875832	+	4.524E-16	7.94082E-15	0.266942	hyper	sig	chr5_140875832
chr12	47735780	47735780	+	4.526E-16	7.94458E-15	-0.21512	hypo	sig	chr12_47735780
chr7	97024564	97024564	+	4.536E-16	7.96132E-15	0.200815	hyper	sig	chr7_97024564
chr19	2356488	2356488	+	4.536E-16	7.96171E-15	-0.20158	hypo	sig	chr19_2356488
chr2	1.76E+08	176164986	+	4.536E-16	7.96171E-15	0.22979	hyper	sig	chr2_176164986
chr16	84236753	84236753	+	4.537E-16	7.96332E-15	-0.27517	hypo	sig	chr16_84236753
chr3	1.98E+08	198081801	+	4.538E-16	7.96493E-15	0.259616	hyper	sig	chr3_198081801
chr16	73064019	73064019	+	4.546E-16	7.97908E-15	-0.23626	hypo	sig	chr16_73064019
chr22	19739366	19739366	+	4.551E-16	7.98632E-15	-0.24823	hypo	sig	chr22_19739366
chr3	1.31E+08	130517350	+	4.556E-16	7.99486E-15	0.224331	hyper	sig	chr3_130517350
chr1	9652932	9652932	+	4.561E-16	8.00306E-15	0.206018	hyper	sig	chr1_9652932
chr6	73580735	73580735	+	4.567E-16	8.01303E-15	-0.20441	hypo	sig	chr6_73580735
chr2	1.61E+08	161281169	+	4.567E-16	8.0141E-15	-0.41298	hypo	sig	chr2_161281169
chr3	96814861	96814861	+	4.575E-16	8.02803E-15	0.201917	hyper	sig	chr3_96814861
chr19	814495	814495	+	4.587E-16	8.04781E-15	-0.2346	hypo	sig	chr19_814495
chr10	1.05E+08	104639810	+	4.59E-16	8.05339E-15	0.291802	hyper	sig	chr10_104639810
chr17	43857555	43857555	+	4.603E-16	8.07477E-15	-0.21583	hypo	sig	chr17_43857555
chr10	23172411	23172411	+	4.604E-16	8.07559E-15	0.343505	hyper	sig	chr10_23172411
chr20	63547220	63547220	+	4.605E-16	8.07731E-15	-0.21292	hypo	sig	chr20_63547220
chr17	83075693	83075693	+	4.621E-16	8.10453E-15	-0.2376	hypo	sig	chr17_83075693
chr6	27495398	27495398	+	4.637E-16	8.13182E-15	0.220426	hyper	sig	chr6_27495398
chr16	10180570	10180570	+	4.637E-16	8.13194E-15	0.225188	hyper	sig	chr16_10180570
chr7	1.22E+08	122300325	+	4.648E-16	8.15101E-15	0.208108	hyper	sig	chr7_122300325
chr5	1.79E+08	179344780	+	4.657E-16	8.16598E-15	0.2109	hyper	sig	chr5_179344780
chr12	41189546	41189546	+	4.663E-16	8.17582E-15	0.287469	hyper	sig	chr12_41189546
chr10	1.32E+08	132221832	+	4.667E-16	8.18328E-15	-0.28008	hypo	sig	chr10_132221832
chr4	1.74E+08	173500287	+	4.688E-16	8.21823E-15	0.200101	hyper	sig	chr4_173500287
chr14	99247055	99247055	+	4.707E-16	8.25016E-15	0.237962	hyper	sig	chr14_99247055
chr13	1.12E+08	112056447	+	4.715E-16	8.26356E-15	0.368696	hyper	sig	chr13_112056447
chr20	56925980	56925980	+	4.719E-16	8.27095E-15	0.218907	hyper	sig	chr20_56925980
chr13	1.08E+08	107868613	+	4.723E-16	8.27726E-15	0.256761	hyper	sig	chr13_107868613
chr17	31587491	31587491	+	4.727E-16	8.28452E-15	-0.28163	hypo	sig	chr17_31587491
chr16	57971076	57971076	+	4.746E-16	8.31589E-15	-0.22532	hypo	sig	chr16_57971076
chr19	40224777	40224777	+	4.746E-16	8.31589E-15	-0.31332	hypo	sig	chr19_40224777

chr11	1.34E+08	133788114	+	4.753E-16	8.32686E-15	0.209027	hyper	sig	chr11_133788114
chr2	1.32E+08	132257063	+	4.755E-16	8.33158E-15	0.283823	hyper	sig	chr2_132257063
chr17	21464064	21464064	+	4.756E-16	8.33163E-15	0.216246	hyper	sig	chr17_21464064
chr12	78864552	78864552	+	4.779E-16	8.37133E-15	0.216637	hyper	sig	chr12_78864552
chr19	12940057	12940057	+	4.779E-16	8.37196E-15	-0.25005	hypo	sig	chr19_12940057
chr2	1.15E+08	115162867	+	4.788E-16	8.38667E-15	0.227556	hyper	sig	chr2_115162867
chr13	50127844	50127844	+	4.791E-16	8.39226E-15	0.239442	hyper	sig	chr13_50127844
chr6	1.68E+08	168410538	+	4.791E-16	8.39238E-15	-0.24339	hypo	sig	chr6_168410538
chr7	1.28E+08	128201290	+	4.793E-16	8.39434E-15	0.210474	hyper	sig	chr7_128201290
chr4	680601	680601	+	4.809E-16	8.4232E-15	-0.23816	hypo	sig	chr4_680601
chr8	23706124	23706124	+	4.815E-16	8.43272E-15	0.30022	hyper	sig	chr8_23706124
chr8	70070740	70070740	+	4.821E-16	8.443E-15	0.227911	hyper	sig	chr8_70070740
chr1	1.57E+08	156849223	+	4.829E-16	8.45662E-15	0.240625	hyper	sig	chr1_156849223
chr8	13131801	13131801	+	4.833E-16	8.46336E-15	0.217836	hyper	sig	chr8_13131801
chr15	96361516	96361516	+	4.839E-16	8.47386E-15	0.210779	hyper	sig	chr15_96361516
chr19	18344698	18344698	+	4.86E-16	8.50845E-15	0.238524	hyper	sig	chr19_18344698
chr5	1.46E+08	146340503	+	4.863E-16	8.51394E-15	0.247562	hyper	sig	chr5_146340503
chr5	19988307	19988307	+	4.867E-16	8.52041E-15	0.255338	hyper	sig	chr5_19988307
chr8	1.42E+08	142335428	+	4.869E-16	8.5233E-15	-0.22849	hypo	sig	chr8_142335428
chr17	50781437	50781437	+	4.871E-16	8.52735E-15	0.21306	hyper	sig	chr17_50781437
chr5	1.41E+08	140875799	+	4.871E-16	8.52752E-15	0.2493	hyper	sig	chr5_140875799
chr4	1.11E+08	110639306	+	4.887E-16	8.55513E-15	0.304082	hyper	sig	chr4_110639306
chr10	80131748	80131748	+	4.903E-16	8.58116E-15	-0.20835	hypo	sig	chr10_80131748
chr8	25002030	25002030	+	4.917E-16	8.6048E-15	0.278335	hyper	sig	chr8_25002030
chr17	78187560	78187560	+	4.918E-16	8.60679E-15	-0.20426	hypo	sig	chr17_78187560
chr5	4941215	4941215	+	4.921E-16	8.61231E-15	-0.21855	hypo	sig	chr5_4941215
chr17	39868150	39868150	+	4.928E-16	8.62359E-15	0.33161	hyper	sig	chr17_39868150
chr13	25469334	25469334	+	4.941E-16	8.64606E-15	0.229932	hyper	sig	chr13_25469334
chr13	94707728	94707728	+	4.945E-16	8.65219E-15	0.280929	hyper	sig	chr13_94707728
chr2	2.37E+08	236506420	+	4.948E-16	8.65719E-15	-0.23251	hypo	sig	chr2_236506420
chr15	1E+08	100373729	+	4.949E-16	8.65901E-15	0.243225	hyper	sig	chr15_100373729
chr1	2.21E+08	220877344	+	4.951E-16	8.66293E-15	0.256152	hyper	sig	chr1_220877344
chr1	2.28E+08	228210276	+	4.953E-16	8.66515E-15	-0.20214	hypo	sig	chr1_228210276
chr10	23175361	23175361	+	4.953E-16	8.6654E-15	-0.21272	hypo	sig	chr10_23175361
chr16	88432766	88432766	+	4.96E-16	8.67746E-15	-0.23843	hypo	sig	chr16_88432766
chr19	3881275	3881275	+	4.965E-16	8.68629E-15	0.218868	hyper	sig	chr19_3881275
chr16	30007231	30007231	+	4.966E-16	8.68712E-15	-0.21448	hypo	sig	chr16_30007231
chr7	96997838	96997838	+	4.975E-16	8.70219E-15	0.214793	hyper	sig	chr7_96997838
chr6	70282764	70282764	+	4.991E-16	8.72944E-15	0.202318	hyper	sig	chr6_70282764
chr21	26967663	26967663	+	4.991E-16	8.72981E-15	0.262515	hyper	sig	chr21_26967663
chr11	14905192	14905192	+	4.996E-16	8.73819E-15	0.314653	hyper	sig	chr11_14905192
chr11	1.23E+08	123431341	+	4.996E-16	8.73824E-15	0.238329	hyper	sig	chr11_123431341
chr20	17318668	17318668	+	5E-16	8.7447E-15	-0.20988	hypo	sig	chr20_17318668
chr3	1.58E+08	158095031	+	5.017E-16	8.77298E-15	0.236497	hyper	sig	chr3_158095031
chr6	40391361	40391361	+	5.019E-16	8.77664E-15	-0.33246	hypo	sig	chr6_40391361
chr7	79454491	79454491	+	5.023E-16	8.78326E-15	0.278891	hyper	sig	chr7_79454491
chr6	10883662	10883662	+	5.029E-16	8.79262E-15	0.29053	hyper	sig	chr6_10883662
chr1	21591077	21591077	+	5.034E-16	8.80121E-15	-0.26397	hypo	sig	chr1_21591077
chr13	1.02E+08	101706843	+	5.035E-16	8.80292E-15	-0.31297	hypo	sig	chr13_101706843
chr6	27566331	27566331	+	5.044E-16	8.81819E-15	0.256899	hyper	sig	chr6_27566331
chr5	1.41E+08	141150157	+	5.053E-16	8.83388E-15	0.226039	hyper	sig	chr5_141150157
chr8	42052895	42052895	+	5.055E-16	8.8375E-15	-0.2574	hypo	sig	chr8_42052895
chr2	91443072	91443072	+	5.056E-16	8.83918E-15	0.246149	hyper	sig	chr2_91443072
chr2	28979940	28979940	+	5.057E-16	8.8404E-15	-0.23145	hypo	sig	chr2_28979940
chr19	35960014	35960014	+	5.059E-16	8.84258E-15	0.22203	hyper	sig	chr19_35960014
chr19	13013817	13013817	+	5.065E-16	8.85261E-15	0.231321	hyper	sig	chr19_13013817

chr10	15719532	15719532	+	5.067E-16	8.85607E-15	0.254785	hyper	sig	chr10_15719532
chr21	37006133	37006133	+	5.074E-16	8.8687E-15	0.242516	hyper	sig	chr21_37006133
chr3	1.2E+08	120285411	+	5.076E-16	8.87052E-15	0.232644	hyper	sig	chr3_120285411
chr7	81075	81075	+	5.081E-16	8.87968E-15	-0.2258	hypo	sig	chr7_81075
chr5	16180308	16180308	+	5.091E-16	8.89725E-15	0.238493	hyper	sig	chr5_16180308
chr17	78903417	78903417	+	5.093E-16	8.90077E-15	-0.21676	hypo	sig	chr17_78903417
chr6	30952309	30952309	+	5.095E-16	8.90276E-15	-0.25822	hypo	sig	chr6_30952309
chr3	1.34E+08	133674732	+	5.105E-16	8.91981E-15	0.295483	hyper	sig	chr3_133674732
chr16	75227200	75227200	+	5.119E-16	8.94433E-15	-0.20524	hypo	sig	chr16_75227200
chr17	1080282	1080282	+	5.12E-16	8.9445E-15	-0.26213	hypo	sig	chr17_1080282
chr22	16610308	16610308	+	5.12E-16	8.94467E-15	0.298673	hyper	sig	chr22_16610308
chr13	94703906	94703906	+	5.123E-16	8.9498E-15	0.321913	hyper	sig	chr13_94703906
chr9	92806432	92806432	+	5.132E-16	8.96501E-15	-0.21111	hypo	sig	chr9_92806432
chr2	1.54E+08	153872000	+	5.169E-16	9.02972E-15	0.204009	hyper	sig	chr2_153872000
chr5	1.79E+08	179345968	+	5.172E-16	9.03456E-15	0.204266	hyper	sig	chr5_179345968
chr3	1.47E+08	147398222	+	5.177E-16	9.04275E-15	0.228453	hyper	sig	chr3_147398222
chr7	79452971	79452971	+	5.177E-16	9.04329E-15	0.222427	hyper	sig	chr7_79452971
chr12	57613233	57613233	+	5.212E-16	9.10236E-15	-0.23174	hypo	sig	chr12_57613233
chr16	1135407	1135407	+	5.218E-16	9.11337E-15	-0.21116	hypo	sig	chr16_1135407
chr18	75205277	75205277	+	5.222E-16	9.12045E-15	0.227876	hyper	sig	chr18_75205277
chr6	41560825	41560825	+	5.228E-16	9.13039E-15	0.21199	hyper	sig	chr6_41560825
chr19	57708822	57708822	+	5.229E-16	9.131E-15	0.371517	hyper	sig	chr19_57708822
chr8	32647266	32647266	+	5.23E-16	9.13309E-15	0.285143	hyper	sig	chr8_32647266
chr1	1.22E+08	121518845	+	5.243E-16	9.15585E-15	0.258331	hyper	sig	chr1_121518845
chr4	80197106	80197106	+	5.257E-16	9.17896E-15	0.215506	hyper	sig	chr4_80197106
chr19	19261104	19261104	+	5.267E-16	9.19534E-15	0.21533	hyper	sig	chr19_19261104
chr6	1.53E+08	152636122	+	5.274E-16	9.20694E-15	0.270431	hyper	sig	chr6_152636122
chr8	71843281	71843281	+	5.277E-16	9.21145E-15	0.212725	hyper	sig	chr8_71843281
chr19	45472690	45472690	+	5.29E-16	9.23469E-15	0.217507	hyper	sig	chr19_45472690
chr5	42943950	42943950	+	5.295E-16	9.24234E-15	0.283533	hyper	sig	chr5_42943950
chr12	96193165	96193165	+	5.301E-16	9.25362E-15	-0.23349	hypo	sig	chr12_96193165
chr4	4864364	4864364	+	5.309E-16	9.26716E-15	0.215945	hyper	sig	chr4_4864364
chr17	49964538	49964538	+	5.314E-16	9.27562E-15	0.257107	hyper	sig	chr17_49964538
chr12	1.32E+08	132319962	+	5.315E-16	9.27739E-15	-0.22284	hypo	sig	chr12_132319962
chr6	1.1E+08	110357806	+	5.329E-16	9.30191E-15	0.200669	hyper	sig	chr6_110357806
chr8	58145977	58145977	+	5.334E-16	9.31056E-15	0.238872	hyper	sig	chr8_58145977
chr1	3673470	3673470	+	5.348E-16	9.33388E-15	-0.25107	hypo	sig	chr1_3673470
chr12	1.14E+08	114439322	+	5.354E-16	9.34316E-15	0.213689	hyper	sig	chr12_114439322
chr16	87518061	87518061	+	5.366E-16	9.36393E-15	-0.26308	hypo	sig	chr16_87518061
chr3	1.7E+08	169666607	+	5.372E-16	9.3738E-15	0.244476	hyper	sig	chr3_169666607
chr5	77643781	77643781	+	5.389E-16	9.40395E-15	0.220614	hyper	sig	chr5_77643781
chr15	64894138	64894138	+	5.398E-16	9.41866E-15	0.261746	hyper	sig	chr15_64894138
chr2	11612247	11612247	+	5.404E-16	9.42886E-15	-0.26155	hypo	sig	chr2_11612247
chr13	99997813	99997813	+	5.405E-16	9.42982E-15	0.218892	hyper	sig	chr13_99997813
chr3	46497226	46497226	+	5.42E-16	9.45522E-15	-0.23566	hypo	sig	chr3_46497226
chr11	82732402	82732402	+	5.436E-16	9.48306E-15	0.235887	hyper	sig	chr11_82732402
chr15	24848374	24848374	+	5.453E-16	9.5104E-15	0.256799	hyper	sig	chr15_24848374
chr5	80034936	80034936	+	5.485E-16	9.5651E-15	0.254715	hyper	sig	chr5_80034936
chr16	622382	622382	+	5.492E-16	9.57688E-15	-0.22727	hypo	sig	chr16_622382
chr4	65668509	65668509	+	5.497E-16	9.58491E-15	0.211713	hyper	sig	chr4_65668509
chr14	23375644	23375644	+	5.498E-16	9.58571E-15	-0.2368	hypo	sig	chr14_23375644
chr4	6329572	6329572	+	5.498E-16	9.58642E-15	-0.26107	hypo	sig	chr4_6329572
chr16	30023085	30023085	+	5.504E-16	9.5961E-15	-0.21058	hypo	sig	chr16_30023085
chr3	1.97E+08	197027643	+	5.505E-16	9.59817E-15	-0.20867	hypo	sig	chr3_197027643
chr16	49822857	49822857	+	5.508E-16	9.60235E-15	-0.20257	hypo	sig	chr16_49822857
chr5	6182151	6182151	+	5.527E-16	9.63471E-15	-0.22018	hypo	sig	chr5_6182151

chr7	171330	171330	+	5.528E-16	9.63662E-15	-0.20863	hypo	sig	chr7_171330
chr16	1063947	1063947	+	5.534E-16	9.64675E-15	-0.23152	hypo	sig	chr16_1063947
chr19	19860873	19860873	+	5.538E-16	9.65221E-15	0.23613	hyper	sig	chr19_19860873
chr12	1.32E+08	132250140	+	5.561E-16	9.69101E-15	-0.24083	hypo	sig	chr12_132250140
chr5	16180263	16180263	+	5.577E-16	9.71873E-15	0.230289	hyper	sig	chr5_16180263
chr14	69548149	69548149	+	5.579E-16	9.72123E-15	0.286505	hyper	sig	chr14_69548149
chr2	74516174	74516174	+	5.585E-16	9.73201E-15	0.209937	hyper	sig	chr2_74516174
chr13	78597416	78597416	+	5.592E-16	9.74413E-15	0.252406	hyper	sig	chr13_78597416
chr2	73291618	73291618	+	5.594E-16	9.74608E-15	0.205143	hyper	sig	chr2_73291618
chr19	49533822	49533822	+	5.594E-16	9.74657E-15	0.269873	hyper	sig	chr19_49533822
chr7	5879381	5879381	+	5.594E-16	9.74657E-15	-0.21705	hypo	sig	chr7_5879381
chr12	1.14E+08	114403923	+	5.607E-16	9.76885E-15	0.206069	hyper	sig	chr12_114403923
chr7	1542952	1542952	+	5.609E-16	9.77027E-15	-0.25912	hypo	sig	chr7_1542952
chr11	30016225	30016225	+	5.609E-16	9.77066E-15	0.254384	hyper	sig	chr11_30016225
chr7	1.43E+08	142796538	+	5.609E-16	9.77066E-15	0.213893	hyper	sig	chr7_142796538
chr7	8435002	8435002	+	5.614E-16	9.77934E-15	0.285714	hyper	sig	chr7_8435002
chr19	4634815	4634815	+	5.619E-16	9.78714E-15	-0.21469	hypo	sig	chr19_4634815
chr6	1.7E+08	170162859	+	5.626E-16	9.79821E-15	-0.20279	hypo	sig	chr6_170162859
chr8	41308650	41308650	+	5.632E-16	9.80894E-15	0.24975	hyper	sig	chr8_41308650
chr4	4858119	4858119	+	5.636E-16	9.81561E-15	0.204262	hyper	sig	chr4_4858119
chr13	36346676	36346676	+	5.637E-16	9.81734E-15	0.226902	hyper	sig	chr13_36346676
chr5	2169615	2169615	+	5.637E-16	9.81734E-15	-0.2157	hypo	sig	chr5_2169615
chr8	2034728	2034728	+	5.647E-16	9.83348E-15	-0.271	hypo	sig	chr8_2034728
chr7	2665677	2665677	+	5.655E-16	9.84732E-15	-0.22644	hypo	sig	chr7_2665677
chr4	8618218	8618218	+	5.659E-16	9.8541E-15	-0.26129	hypo	sig	chr4_8618218
chr5	1.41E+08	140926879	+	5.667E-16	9.86779E-15	0.239604	hyper	sig	chr5_140926879
chr2	1.72E+08	172108510	+	5.668E-16	9.8696E-15	0.219414	hyper	sig	chr2_172108510
chr13	1.13E+08	112983368	+	5.685E-16	9.89884E-15	-0.20131	hypo	sig	chr13_112983368
chr5	93587917	93587917	+	5.694E-16	9.91289E-15	0.224534	hyper	sig	chr5_93587917
chr6	98842759	98842759	+	5.7E-16	9.92276E-15	0.213095	hyper	sig	chr6_98842759
chr10	1.17E+08	117132144	+	5.711E-16	9.9413E-15	0.239058	hyper	sig	chr10_117132144
chr5	88680227	88680227	+	5.721E-16	9.95903E-15	0.24137	hyper	sig	chr5_88680227
chr19	12684781	12684781	+	5.724E-16	9.96265E-15	-0.26739	hypo	sig	chr19_12684781
chr14	20625842	20625842	+	5.724E-16	9.96311E-15	0.201252	hyper	sig	chr14_20625842
chr16	81692238	81692238	+	5.728E-16	9.96865E-15	-0.26149	hypo	sig	chr16_81692238
chr21	36704384	36704384	+	5.727E-16	9.96865E-15	0.205655	hyper	sig	chr21_36704384
chr2	1.45E+08	144524686	+	5.729E-16	9.97164E-15	0.207092	hyper	sig	chr2_144524686
chr19	33211130	33211130	+	5.734E-16	9.97852E-15	-0.32165	hypo	sig	chr19_33211130
chr9	1.37E+08	136986080	+	5.739E-16	9.98624E-15	0.250396	hyper	sig	chr9_136986080
chr8	1.08E+08	108083923	+	5.746E-16	9.99939E-15	0.22416	hyper	sig	chr8_108083923
chr20	46035836	46035836	+	5.749E-16	1.00041E-14	-0.20884	hypo	sig	chr20_46035836
chr12	6142254	6142254	+	5.778E-16	1.00535E-14	-0.25623	hypo	sig	chr12_6142254
chr15	43800306	43800306	+	5.786E-16	1.00663E-14	-0.2423	hypo	sig	chr15_43800306
chr20	7803781	7803781	+	5.789E-16	1.00725E-14	0.212518	hyper	sig	chr20_7803781
chr7	1156716	1156716	+	5.792E-16	1.00756E-14	-0.21972	hypo	sig	chr7_1156716
chr10	52771893	52771893	+	5.792E-16	1.00767E-14	-0.24397	hypo	sig	chr10_52771893
chr18	50725966	50725966	+	5.809E-16	1.01037E-14	-0.22968	hypo	sig	chr18_50725966
chr1	16981711	16981711	+	5.82E-16	1.01211E-14	-0.2001	hypo	sig	chr1_16981711
chr5	1.16E+08	115963357	+	5.82E-16	1.01214E-14	0.289675	hyper	sig	chr5_115963357
chr11	72577192	72577192	+	5.827E-16	1.0133E-14	-0.20308	hypo	sig	chr11_72577192
chr3	1.26E+08	125698557	+	5.834E-16	1.01453E-14	-0.21273	hypo	sig	chr3_125698557
chr12	7872986	7872986	+	5.837E-16	1.01498E-14	0.216845	hyper	sig	chr12_7872986
chr5	1.41E+08	140882711	+	5.841E-16	1.01554E-14	0.202997	hyper	sig	chr5_140882711
chr19	31353276	31353276	+	5.843E-16	1.01595E-14	0.207274	hyper	sig	chr19_31353276
chr11	69868965	69868965	+	5.847E-16	1.01646E-14	-0.29167	hypo	sig	chr11_69868965
chr17	1907527	1907527	+	5.847E-16	1.01652E-14	-0.23271	hypo	sig	chr17_1907527

chr11	65591992	65591992	+	5.85E-16	1.01693E-14	0.228675	hyper	sig	chr11_65591992
chr10	1.3E+08	130125692	+	5.855E-16	1.01786E-14	-0.24975	hypo	sig	chr10_130125692
chr6	50846072	50846072	+	5.862E-16	1.01912E-14	0.256935	hyper	sig	chr6_50846072
chr19	731160	731160	+	5.866E-16	1.01976E-14	-0.30626	hypo	sig	chr19_731160
chr22	46085368	46085368	+	5.873E-16	1.02093E-14	-0.21078	hypo	sig	chr22_46085368
chr7	27586965	27586965	+	5.9E-16	1.02553E-14	-0.2067	hypo	sig	chr7_27586965
chr19	48837496	48837496	+	5.909E-16	1.02706E-14	0.285167	hyper	sig	chr19_48837496
chr2	2.36E+08	235508621	+	5.911E-16	1.02736E-14	-0.22417	hypo	sig	chr2_235508621
chr10	1.23E+08	122954705	+	5.911E-16	1.02739E-14	0.260755	hyper	sig	chr10_122954705
chr22	38870064	38870064	+	5.917E-16	1.02835E-14	-0.23319	hypo	sig	chr22_38870064
chr20	50959636	50959636	+	5.918E-16	1.02851E-14	0.260267	hyper	sig	chr20_50959636
chr11	2869485	2869485	+	5.927E-16	1.02997E-14	0.201566	hyper	sig	chr11_2869485
chr2	2.42E+08	241863673	+	5.928E-16	1.0301E-14	0.215553	hyper	sig	chr2_241863673
chr16	88324503	88324503	+	5.934E-16	1.03116E-14	-0.25075	hypo	sig	chr16_88324503
chr7	64568364	64568364	+	5.934E-16	1.03119E-14	-0.24823	hypo	sig	chr7_64568364
chr1	7664041	7664041	+	5.936E-16	1.0314E-14	-0.20585	hypo	sig	chr1_7664041
chr7	8435837	8435837	+	5.939E-16	1.03187E-14	0.23704	hyper	sig	chr7_8435837
chr19	33391979	33391979	+	5.941E-16	1.0323E-14	-0.21645	hypo	sig	chr19_33391979
chr7	5237663	5237663	+	5.95E-16	1.03377E-14	-0.27487	hypo	sig	chr7_5237663
chr17	74671140	74671140	+	5.954E-16	1.03444E-14	0.255758	hyper	sig	chr17_74671140
chr6	1.05E+08	104940335	+	5.954E-16	1.03449E-14	0.20128	hyper	sig	chr6_104940335
chr12	1.32E+08	131558175	+	5.956E-16	1.03481E-14	-0.21225	hypo	sig	chr12_131558175
chr2	1.21E+08	120696144	+	5.958E-16	1.03506E-14	0.243305	hyper	sig	chr2_120696144
chr12	1.31E+08	131489707	+	5.959E-16	1.03523E-14	-0.26702	hypo	sig	chr12_131489707
chr19	20078205	20078205	+	5.961E-16	1.03547E-14	0.20285	hyper	sig	chr19_20078205
chr16	1908704	1908704	+	5.962E-16	1.03564E-14	-0.27226	hypo	sig	chr16_1908704
chr16	7304372	7304372	+	5.981E-16	1.03883E-14	0.223437	hyper	sig	chr16_7304372
chr4	41873576	41873576	+	5.997E-16	1.04147E-14	0.312058	hyper	sig	chr4_41873576
chr2	9103103	9103103	+	5.998E-16	1.04169E-14	-0.33727	hypo	sig	chr2_9103103
chr4	7938187	7938187	+	6.027E-16	1.04667E-14	-0.31793	hypo	sig	chr4_7938187
chr20	21397573	21397573	+	6.032E-16	1.04744E-14	0.209146	hyper	sig	chr20_21397573
chr22	16601133	16601133	+	6.043E-16	1.04943E-14	0.227689	hyper	sig	chr22_16601133
chr19	28727024	28727024	+	6.046E-16	1.04978E-14	0.218041	hyper	sig	chr19_28727024
chr3	26622449	26622449	+	6.049E-16	1.05039E-14	0.21099	hyper	sig	chr3_26622449
chr8	64379720	64379720	+	6.052E-16	1.05089E-14	0.234716	hyper	sig	chr8_64379720
chr3	1.82E+08	181727155	+	6.06E-16	1.05212E-14	0.208961	hyper	sig	chr3_181727155
chr2	1.21E+08	120863916	+	6.064E-16	1.05293E-14	-0.20116	hypo	sig	chr2_120863916
chr2	2.19E+08	219445049	+	6.068E-16	1.05346E-14	-0.24931	hypo	sig	chr2_219445049
chr13	40188332	40188332	+	6.07E-16	1.0538E-14	-0.21342	hypo	sig	chr13_40188332
chr13	1.08E+08	107868672	+	6.073E-16	1.05442E-14	0.261431	hyper	sig	chr13_107868672
chr19	57709035	57709035	+	6.087E-16	1.05676E-14	0.228668	hyper	sig	chr19_57709035
chr18	79498792	79498792	+	6.097E-16	1.05836E-14	-0.21778	hypo	sig	chr18_79498792
chr7	1.58E+08	158016327	+	6.102E-16	1.05918E-14	-0.23134	hypo	sig	chr7_158016327
chr10	22477217	22477217	+	6.117E-16	1.06175E-14	0.214598	hyper	sig	chr10_22477217
chr11	57426629	57426629	+	6.12E-16	1.06235E-14	0.216579	hyper	sig	chr11_57426629
chr5	77843702	77843702	+	6.127E-16	1.06345E-14	-0.2088	hypo	sig	chr5_77843702
chr10	8043659	8043659	+	6.129E-16	1.06372E-14	0.238536	hyper	sig	chr10_8043659
chr5	1.41E+08	140869205	+	6.134E-16	1.06462E-14	0.203962	hyper	sig	chr5_140869205
chr19	2511698	2511698	+	6.146E-16	1.06662E-14	-0.23447	hypo	sig	chr19_2511698
chr12	56454516	56454516	+	6.152E-16	1.06762E-14	-0.31432	hypo	sig	chr12_56454516
chr3	1.82E+08	181724379	+	6.159E-16	1.06876E-14	0.291672	hyper	sig	chr3_181724379
chr10	25935029	25935029	+	6.168E-16	1.0703E-14	0.234735	hyper	sig	chr10_25935029
chr20	1224713	1224713	+	6.169E-16	1.07037E-14	-0.22204	hypo	sig	chr20_1224713
chr1	3276520	3276520	+	6.179E-16	1.07218E-14	-0.25874	hypo	sig	chr1_3276520
chr15	25204470	25204470	+	6.183E-16	1.07271E-14	-0.24688	hypo	sig	chr15_25204470
chr17	49035715	49035715	+	6.197E-16	1.07513E-14	-0.20993	hypo	sig	chr17_49035715

chr19	56765318	56765318	+	6.202E-16	1.07584E-14	0.262203	hyper	sig	chr19_56765318
chr2	44803197	44803197	+	6.203E-16	1.07604E-14	0.232969	hyper	sig	chr2_44803197
chr19	28727293	28727293	+	6.214E-16	1.07785E-14	0.24684	hyper	sig	chr19_28727293
chr1	1.44E+08	143698884	+	6.224E-16	1.07963E-14	0.252225	hyper	sig	chr1_143698884
chr1	18599981	18599981	+	6.232E-16	1.08086E-14	-0.26371	hypo	sig	chr1_18599981
chr13	23547314	23547314	+	6.239E-16	1.08206E-14	0.22078	hyper	sig	chr13_23547314
chr15	88258277	88258277	+	6.24E-16	1.08222E-14	0.25507	hyper	sig	chr15_88258277
chr20	45316788	45316788	+	6.25E-16	1.08394E-14	0.243303	hyper	sig	chr20_45316788
chr6	7468782	7468782	+	6.267E-16	1.0867E-14	-0.25858	hypo	sig	chr6_7468782
chr7	88759011	88759011	+	6.275E-16	1.08803E-14	0.266589	hyper	sig	chr7_88759011
chr17	79789683	79789683	+	6.275E-16	1.08811E-14	0.202766	hyper	sig	chr17_79789683
chr16	55327677	55327677	+	6.276E-16	1.08816E-14	0.206293	hyper	sig	chr16_55327677
chr6	12749133	12749133	+	6.276E-16	1.08827E-14	0.210384	hyper	sig	chr6_12749133
chr9	1.22E+08	122219739	+	6.296E-16	1.09154E-14	0.20675	hyper	sig	chr9_122219739
chr5	1.56E+08	155728930	+	6.303E-16	1.09263E-14	0.248072	hyper	sig	chr5_155728930
chr12	1.25E+08	124543791	+	6.315E-16	1.09465E-14	0.206185	hyper	sig	chr12_124543791
chr12	54019294	54019294	+	6.319E-16	1.09538E-14	0.241052	hyper	sig	chr12_54019294
chr8	64576467	64576467	+	6.322E-16	1.09593E-14	0.200813	hyper	sig	chr8_64576467
chr12	1.31E+08	130953995	+	6.324E-16	1.09627E-14	0.224399	hyper	sig	chr12_130953995
chr7	1.17E+08	117322867	+	6.334E-16	1.09792E-14	0.266618	hyper	sig	chr7_117322867
chr6	1.53E+08	152634903	+	6.338E-16	1.09852E-14	-0.30386	hypo	sig	chr6_152634903
chr5	1650762	1650762	+	6.346E-16	1.09994E-14	-0.22749	hypo	sig	chr5_1650762
chr16	1096421	1096421	+	6.351E-16	1.10069E-14	-0.2399	hypo	sig	chr16_1096421
chr22	49486133	49486133	+	6.356E-16	1.10142E-14	-0.21689	hypo	sig	chr22_49486133
chr5	1.59E+08	159096457	+	6.357E-16	1.10163E-14	0.214249	hyper	sig	chr5_159096457
chr10	1.2E+08	120457503	+	6.379E-16	1.10523E-14	0.211725	hyper	sig	chr10_120457503
chr7	32070321	32070321	+	6.381E-16	1.1056E-14	0.223193	hyper	sig	chr7_32070321
chr1	29134496	29134496	+	6.389E-16	1.10705E-14	-0.23149	hypo	sig	chr1_29134496
chr6	1.61E+08	160679624	+	6.393E-16	1.10759E-14	0.271717	hyper	sig	chr6_160679624
chr4	1.54E+08	153759895	+	6.409E-16	1.11028E-14	0.228691	hyper	sig	chr4_153759895
chr8	22697386	22697386	+	6.409E-16	1.11028E-14	-0.20973	hypo	sig	chr8_22697386
chr6	1.37E+08	137492956	+	6.417E-16	1.1117E-14	0.201871	hyper	sig	chr6_137492956
chr10	1.23E+08	123148224	+	6.42E-16	1.11211E-14	0.208855	hyper	sig	chr10_123148224
chr16	85832838	85832838	+	6.421E-16	1.11225E-14	-0.30834	hypo	sig	chr16_85832838
chr10	1.33E+08	132943106	+	6.439E-16	1.11531E-14	0.250525	hyper	sig	chr10_132943106
chr1	1422783	1422783	+	6.446E-16	1.11648E-14	-0.22509	hypo	sig	chr1_1422783
chr7	1.3E+08	130492335	+	6.448E-16	1.11673E-14	0.221122	hyper	sig	chr7_130492335
chr17	36939312	36939312	+	6.453E-16	1.11763E-14	0.228758	hyper	sig	chr17_36939312
chr5	1.41E+08	140807476	+	6.455E-16	1.11789E-14	0.202533	hyper	sig	chr5_140807476
chr19	58033862	58033862	+	6.457E-16	1.11829E-14	0.254	hyper	sig	chr19_58033862
chr12	62191684	62191684	+	6.463E-16	1.1193E-14	0.229991	hyper	sig	chr12_62191684
chr6	1.08E+08	108171067	+	6.483E-16	1.12276E-14	0.30545	hyper	sig	chr6_108171067
chr4	4862147	4862147	+	6.485E-16	1.12308E-14	0.230734	hyper	sig	chr4_4862147
chr2	2.41E+08	240918661	+	6.498E-16	1.12521E-14	-0.20624	hypo	sig	chr2_240918661
chr2	1.76E+08	176072796	+	6.502E-16	1.12598E-14	-0.20328	hypo	sig	chr2_176072796
chr17	2012242	2012242	+	6.507E-16	1.12661E-14	-0.23	hypo	sig	chr17_2012242
chr15	52798698	52798698	+	6.508E-16	1.12678E-14	0.283824	hyper	sig	chr15_52798698
chr11	1.16E+08	116035302	+	6.513E-16	1.12759E-14	-0.24169	hypo	sig	chr11_116035302
chr14	99792859	99792859	+	6.523E-16	1.12937E-14	0.234971	hyper	sig	chr14_99792859
chr16	89248219	89248219	+	6.536E-16	1.13164E-14	0.235497	hyper	sig	chr16_89248219
chr5	1835559	1835559	+	6.539E-16	1.13198E-14	-0.21514	hypo	sig	chr5_1835559
chr1	1.19E+08	118985799	+	6.542E-16	1.13259E-14	0.211825	hyper	sig	chr1_118985799
chr2	2.38E+08	238140008	+	6.554E-16	1.13454E-14	-0.20838	hypo	sig	chr2_238140008
chr15	78626187	78626187	+	6.558E-16	1.13524E-14	-0.23581	hypo	sig	chr15_78626187
chr10	23096854	23096854	+	6.565E-16	1.13631E-14	-0.26195	hypo	sig	chr10_23096854
chr14	93936131	93936131	+	6.588E-16	1.14016E-14	-0.21122	hypo	sig	chr14_93936131

chr5	3599584	3599584	+	6.59E-16	1.14047E-14	0.245072	hyper	sig	chr5_3599584
chr4	41752040	41752040	+	6.591E-16	1.1406E-14	0.228343	hyper	sig	chr4_41752040
chr16	66459208	66459208	+	6.593E-16	1.14097E-14	-0.30095	hypo	sig	chr16_66459208
chr11	8169179	8169179	+	6.614E-16	1.14436E-14	0.233824	hyper	sig	chr11_8169179
chr10	93067443	93067443	+	6.615E-16	1.1446E-14	0.202668	hyper	sig	chr10_93067443
chr16	843110	843110	+	6.619E-16	1.14517E-14	-0.22557	hypo	sig	chr16_843110
chr18	11752121	11752121	+	6.626E-16	1.14637E-14	0.253055	hyper	sig	chr18_11752121
chr19	53058346	53058346	+	6.63E-16	1.14703E-14	0.320575	hyper	sig	chr19_53058346
chr19	18233058	18233058	+	6.641E-16	1.14893E-14	0.276075	hyper	sig	chr19_18233058
chr12	53973240	53973240	+	6.653E-16	1.15086E-14	0.226099	hyper	sig	chr12_53973240
chr6	1.59E+08	158869221	+	6.653E-16	1.15087E-14	-0.25771	hypo	sig	chr6_158869221
chr8	71843447	71843447	+	6.66E-16	1.15214E-14	0.214439	hyper	sig	chr8_71843447
chr10	49613486	49613486	+	6.663E-16	1.15251E-14	0.216645	hyper	sig	chr10_49613486
chr15	82648235	82648235	+	6.686E-16	1.15637E-14	0.200627	hyper	sig	chr15_82648235
chr18	79644857	79644857	+	6.686E-16	1.15641E-14	-0.26333	hypo	sig	chr18_79644857
chr8	54455067	54455067	+	6.71E-16	1.16034E-14	0.267635	hyper	sig	chr8_54455067
chr6	29975681	29975681	+	6.718E-16	1.16183E-14	0.260518	hyper	sig	chr6_29975681
chr22	19937735	19937735	+	6.72E-16	1.16209E-14	-0.32512	hypo	sig	chr22_19937735
chr8	48923477	48923477	+	6.726E-16	1.16295E-14	-0.24744	hypo	sig	chr8_48923477
chr11	8169176	8169176	+	6.754E-16	1.16767E-14	0.218085	hyper	sig	chr11_8169176
chr8	1859523	1859523	+	6.755E-16	1.16784E-14	-0.20442	hypo	sig	chr8_1859523
chr17	82302457	82302457	+	6.773E-16	1.17088E-14	-0.20905	hypo	sig	chr17_82302457
chr17	48720377	48720377	+	6.779E-16	1.1719E-14	0.255136	hyper	sig	chr17_48720377
chr9	22447682	22447682	+	6.792E-16	1.17404E-14	0.225743	hyper	sig	chr9_22447682
chr16	55656688	55656688	+	6.806E-16	1.17637E-14	0.215477	hyper	sig	chr16_55656688
chr11	1026026	1026026	+	6.813E-16	1.17754E-14	-0.24901	hypo	sig	chr11_1026026
chr19	57351810	57351810	+	6.814E-16	1.17769E-14	0.26856	hyper	sig	chr19_57351810
chr12	1.19E+08	118774562	+	6.82E-16	1.17867E-14	0.252464	hyper	sig	chr12_118774562
chr7	57868052	57868052	+	6.821E-16	1.17878E-14	0.265643	hyper	sig	chr7_57868052
chr12	1.32E+08	131848744	+	6.832E-16	1.18065E-14	-0.21391	hypo	sig	chr12_131848744
chr6	1.06E+08	105981190	+	6.843E-16	1.18249E-14	0.292291	hyper	sig	chr6_105981190
chr3	42802374	42802374	+	6.854E-16	1.18436E-14	-0.23865	hypo	sig	chr3_42802374
chr4	1.23E+08	122826397	+	6.854E-16	1.18436E-14	0.23705	hyper	sig	chr4_122826397
chr1	2.08E+08	207910754	+	6.863E-16	1.18576E-14	0.2179	hyper	sig	chr1_207910754
chr17	3673593	3673593	+	6.868E-16	1.18653E-14	-0.25852	hypo	sig	chr17_3673593
chr1	10672303	10672303	+	6.869E-16	1.18671E-14	0.237609	hyper	sig	chr1_10672303
chr2	1.39E+08	138781079	+	6.869E-16	1.18671E-14	0.28155	hyper	sig	chr2_138781079
chr7	3044443	3044443	+	6.87E-16	1.18685E-14	-0.25111	hypo	sig	chr7_3044443
chr12	80717721	80717721	+	6.876E-16	1.18779E-14	-0.28252	hypo	sig	chr12_80717721
chr19	57099564	57099564	+	6.877E-16	1.188E-14	0.277153	hyper	sig	chr19_57099564
chr6	10881763	10881763	+	6.88E-16	1.18844E-14	0.226053	hyper	sig	chr6_10881763
chr15	66626016	66626016	+	6.885E-16	1.18927E-14	-0.24252	hypo	sig	chr15_66626016
chr12	644017	644017	+	6.924E-16	1.19587E-14	-0.2061	hypo	sig	chr12_644017
chr1	16520862	16520862	+	6.927E-16	1.19637E-14	0.202815	hyper	sig	chr1_16520862
chr1	1.55E+08	154869498	+	6.928E-16	1.19646E-14	0.218624	hyper	sig	chr1_154869498
chr20	17683327	17683327	+	6.931E-16	1.19686E-14	-0.22073	hypo	sig	chr20_17683327
chr17	78258051	78258051	+	6.943E-16	1.1989E-14	-0.21019	hypo	sig	chr17_78258051
chr15	75108637	75108637	+	6.945E-16	1.19916E-14	-0.23656	hypo	sig	chr15_75108637
chr10	1.28E+08	127736957	+	6.945E-16	1.19926E-14	0.345401	hyper	sig	chr10_127736957
chr16	86444065	86444065	+	6.956E-16	1.20106E-14	0.247725	hyper	sig	chr16_86444065
chr12	56488773	56488773	+	6.957E-16	1.20116E-14	0.215871	hyper	sig	chr12_56488773
chr22	45309153	45309153	+	6.963E-16	1.20215E-14	-0.22002	hypo	sig	chr22_45309153
chr1	2.25E+08	224617989	+	6.973E-16	1.20376E-14	0.259736	hyper	sig	chr1_224617989
chr8	96159418	96159418	+	6.981E-16	1.20519E-14	0.221531	hyper	sig	chr8_96159418
chr8	73297287	73297287	+	6.984E-16	1.20567E-14	-0.2067	hypo	sig	chr8_73297287
chr22	50164641	50164641	+	6.986E-16	1.20586E-14	-0.25661	hypo	sig	chr22_50164641

chr16	3365160	3365160	+	7.009E-16	1.20976E-14	0.208719	hyper	sig	chr16_3365160
chr11	2302739	2302739	+	7.012E-16	1.21021E-14	-0.20197	hypo	sig	chr11_2302739
chr3	1.86E+08	186418724	+	7.038E-16	1.21478E-14	-0.25075	hypo	sig	chr3_186418724
chr7	1.3E+08	130492358	+	7.041E-16	1.21528E-14	0.214434	hyper	sig	chr7_130492358
chr16	31569675	31569675	+	7.049E-16	1.21659E-14	0.320015	hyper	sig	chr16_31569675
chr7	57404844	57404844	+	7.053E-16	1.21714E-14	0.209716	hyper	sig	chr7_57404844
chr15	28832116	28832116	+	7.057E-16	1.21782E-14	0.228109	hyper	sig	chr15_28832116
chr6	50842991	50842991	+	7.075E-16	1.22086E-14	0.210756	hyper	sig	chr6_50842991
chr4	80387313	80387313	+	7.076E-16	1.22096E-14	-0.21687	hypo	sig	chr4_80387313
chr1	2.28E+08	228158365	+	7.083E-16	1.22216E-14	0.208653	hyper	sig	chr1_228158365
chr19	52370265	52370265	+	7.084E-16	1.22232E-14	0.220006	hyper	sig	chr19_52370265
chr18	908504	908504	+	7.087E-16	1.22286E-14	0.322298	hyper	sig	chr18_908504
chr3	10142900	10142900	+	7.09E-16	1.22323E-14	-0.22598	hypo	sig	chr3_10142900
chr19	22263224	22263224	+	7.093E-16	1.22367E-14	-0.21248	hypo	sig	chr19_22263224
chr14	74611609	74611609	+	7.095E-16	1.22402E-14	0.213728	hyper	sig	chr14_74611609
chr14	36654550	36654550	+	7.099E-16	1.22459E-14	0.213527	hyper	sig	chr14_36654550
chr5	1.79E+08	178994313	+	7.161E-16	1.23497E-14	0.224713	hyper	sig	chr5_178994313
chr11	1.2E+08	120168113	+	7.164E-16	1.23547E-14	-0.21824	hypo	sig	chr11_120168113
chr12	24903255	24903255	+	7.173E-16	1.23704E-14	0.239639	hyper	sig	chr12_24903255
chr20	46011714	46011714	+	7.175E-16	1.23733E-14	0.277029	hyper	sig	chr20_46011714
chr13	1.13E+08	113420378	+	7.181E-16	1.23831E-14	-0.26618	hypo	sig	chr13_113420378
chr14	26205233	26205233	+	7.182E-16	1.23836E-14	0.25065	hyper	sig	chr14_26205233
chr12	1.2E+08	120361888	+	7.186E-16	1.23906E-14	0.216929	hyper	sig	chr12_120361888
chr6	1.64E+08	163640576	+	7.189E-16	1.23959E-14	-0.22499	hypo	sig	chr6_163640576
chr2	2.02E+08	201619254	+	7.21E-16	1.24309E-14	0.217175	hyper	sig	chr2_201619254
chr16	85486582	85486582	+	7.216E-16	1.24409E-14	-0.24961	hypo	sig	chr16_85486582
chr5	1.29E+08	128538946	+	7.22E-16	1.24481E-14	0.214733	hyper	sig	chr5_128538946
chr10	90857254	90857254	+	7.223E-16	1.24525E-14	0.280515	hyper	sig	chr10_90857254
chr7	2703430	2703430	+	7.231E-16	1.24645E-14	-0.2855	hypo	sig	chr7_2703430
chr15	24848378	24848378	+	7.248E-16	1.24932E-14	0.246922	hyper	sig	chr15_24848378
chr13	99658151	99658151	+	7.262E-16	1.25159E-14	0.203797	hyper	sig	chr13_99658151
chr9	1.35E+08	135175178	+	7.269E-16	1.25275E-14	-0.26517	hypo	sig	chr9_135175178
chr8	1.43E+08	143306843	+	7.282E-16	1.25492E-14	-0.20198	hypo	sig	chr8_143306843
chr2	2.42E+08	241645947	+	7.302E-16	1.25836E-14	0.254972	hyper	sig	chr2_241645947
chr12	1.11E+08	111272789	+	7.306E-16	1.25903E-14	-0.29585	hypo	sig	chr12_111272789
chr7	86644441	86644441	+	7.343E-16	1.26514E-14	0.212953	hyper	sig	chr7_86644441
chr12	3492996	3492996	+	7.347E-16	1.26581E-14	0.216375	hyper	sig	chr12_3492996
chr1	2.28E+08	228158374	+	7.364E-16	1.26867E-14	0.226449	hyper	sig	chr1_228158374
chr8	26382406	26382406	+	7.367E-16	1.269E-14	-0.30575	hypo	sig	chr8_26382406
chr5	1.59E+08	159104566	+	7.383E-16	1.27182E-14	0.228678	hyper	sig	chr5_159104566
chr5	3599534	3599534	+	7.387E-16	1.27239E-14	0.259966	hyper	sig	chr5_3599534
chr12	41189544	41189544	+	7.394E-16	1.27356E-14	0.268748	hyper	sig	chr12_41189544
chr3	28575173	28575173	+	7.408E-16	1.27599E-14	0.269238	hyper	sig	chr3_28575173
chr10	1.33E+08	132784946	+	7.42E-16	1.27794E-14	0.237161	hyper	sig	chr10_132784946
chr2	88453318	88453318	+	7.441E-16	1.28155E-14	0.221141	hyper	sig	chr2_88453318
chr21	45456511	45456511	+	7.452E-16	1.28335E-14	-0.22384	hypo	sig	chr21_45456511
chr12	1.11E+08	111062061	+	7.469E-16	1.28617E-14	-0.24579	hypo	sig	chr12_111062061
chr12	75207743	75207743	+	7.47E-16	1.28623E-14	0.253478	hyper	sig	chr12_75207743
chr2	2.4E+08	240324610	+	7.469E-16	1.28623E-14	-0.26568	hypo	sig	chr2_240324610
chr18	50298855	50298855	+	7.504E-16	1.29188E-14	0.255047	hyper	sig	chr18_50298855
chr10	1.33E+08	133310312	+	7.507E-16	1.29246E-14	-0.24031	hypo	sig	chr10_133310312
chr2	2.02E+08	201619180	+	7.519E-16	1.29442E-14	0.271562	hyper	sig	chr2_201619180
chr6	32052847	32052847	+	7.519E-16	1.29442E-14	-0.20807	hypo	sig	chr6_32052847
chr12	1.33E+08	132887056	+	7.522E-16	1.29483E-14	0.215549	hyper	sig	chr12_132887056
chr2	86809812	86809812	+	7.527E-16	1.2957E-14	0.28116	hyper	sig	chr2_86809812
chr6	65999733	65999733	+	7.537E-16	1.29732E-14	0.282825	hyper	sig	chr6_65999733

chr2	47509601	47509601	+	7.547E-16	1.29899E-14	-0.20203	hypo	sig	chr2_47509601
chr19	55533855	55533855	+	7.555E-16	1.30025E-14	-0.21576	hypo	sig	chr19_55533855
chr12	40693038	40693038	+	7.569E-16	1.30265E-14	0.236787	hyper	sig	chr12_40693038
chr15	89360281	89360281	+	7.587E-16	1.30577E-14	0.28301	hyper	sig	chr15_89360281
chr5	31639772	31639772	+	7.597E-16	1.3074E-14	0.249567	hyper	sig	chr5_31639772
chr16	85715890	85715890	+	7.633E-16	1.3133E-14	-0.20041	hypo	sig	chr16_85715890
chr5	2643165	2643165	+	7.661E-16	1.31797E-14	0.215999	hyper	sig	chr5_2643165
chr1	2E+08	200037119	+	7.669E-16	1.31934E-14	0.225767	hyper	sig	chr1_200037119
chr10	1.34E+08	133574498	+	7.676E-16	1.32062E-14	-0.27203	hypo	sig	chr10_133574498
chr6	27680726	27680726	+	7.68E-16	1.32112E-14	0.253358	hyper	sig	chr6_27680726
chr20	61813693	61813693	+	7.684E-16	1.32187E-14	-0.21729	hypo	sig	chr20_61813693
chr9	1.3E+08	129675751	+	7.691E-16	1.3231E-14	-0.23855	hypo	sig	chr9_129675751
chr6	1385907	1385907	+	7.698E-16	1.32423E-14	0.215987	hyper	sig	chr6_1385907
chr19	53521256	53521256	+	7.7E-16	1.32448E-14	0.261937	hyper	sig	chr19_53521256
chr6	1.08E+08	108119743	+	7.716E-16	1.32714E-14	0.306623	hyper	sig	chr6_108119743
chr1	47440526	47440526	+	7.726E-16	1.32885E-14	0.277091	hyper	sig	chr1_47440526
chr14	85529447	85529447	+	7.738E-16	1.33075E-14	0.305325	hyper	sig	chr14_85529447
chr5	1.77E+08	176619156	+	7.742E-16	1.33142E-14	0.27099	hyper	sig	chr5_176619156
chr7	1.43E+08	143379788	+	7.748E-16	1.33249E-14	-0.22352	hypo	sig	chr7_143379788
chr1	11692392	11692392	+	7.76E-16	1.33445E-14	0.237213	hyper	sig	chr1_11692392
chr19	3603501	3603501	+	7.762E-16	1.33469E-14	-0.20984	hypo	sig	chr19_3603501
chr6	1.7E+08	170244234	+	7.773E-16	1.33655E-14	-0.2161	hypo	sig	chr6_170244234
chr6	33069283	33069283	+	7.781E-16	1.33776E-14	-0.22164	hypo	sig	chr6_33069283
chr20	46030302	46030302	+	7.785E-16	1.33849E-14	0.281591	hyper	sig	chr20_46030302
chr2	1.24E+08	124025373	+	7.794E-16	1.34004E-14	0.273342	hyper	sig	chr2_124025373
chr15	82646239	82646239	+	7.806E-16	1.34201E-14	0.261219	hyper	sig	chr15_82646239
chr16	88206327	88206327	+	7.808E-16	1.34219E-14	-0.20439	hypo	sig	chr16_88206327
chr12	29783148	29783148	+	7.809E-16	1.34248E-14	0.291324	hyper	sig	chr12_29783148
chr19	38651316	38651316	+	7.81E-16	1.34255E-14	-0.30996	hypo	sig	chr19_38651316
chr11	1034925	1034925	+	7.832E-16	1.34626E-14	-0.24926	hypo	sig	chr11_1034925
chr7	88758910	88758910	+	7.84E-16	1.3476E-14	0.206287	hyper	sig	chr7_88758910
chr2	2.19E+08	219444740	+	7.841E-16	1.34766E-14	-0.21867	hypo	sig	chr2_219444740
chr8	64382029	64382029	+	7.846E-16	1.34859E-14	0.243024	hyper	sig	chr8_64382029
chr15	45116717	45116717	+	7.858E-16	1.35054E-14	0.220241	hyper	sig	chr15_45116717
chr16	54288579	54288579	+	7.858E-16	1.35057E-14	0.203879	hyper	sig	chr16_54288579
chr19	46653144	46653144	+	7.864E-16	1.35149E-14	-0.23568	hypo	sig	chr19_46653144
chr12	81077532	81077532	+	7.867E-16	1.35195E-14	0.204901	hyper	sig	chr12_81077532
chr9	97855137	97855137	+	7.869E-16	1.35222E-14	0.299064	hyper	sig	chr9_97855137
chr13	19560612	19560612	+	7.871E-16	1.35261E-14	-0.20514	hypo	sig	chr13_19560612
chr12	57628138	57628138	+	7.875E-16	1.35333E-14	0.236637	hyper	sig	chr12_57628138
chr7	44067977	44067977	+	7.894E-16	1.35646E-14	-0.2759	hypo	sig	chr7_44067977
chr19	4523749	4523749	+	7.9E-16	1.3574E-14	-0.21858	hypo	sig	chr19_4523749
chr19	9498729	9498729	+	7.903E-16	1.35804E-14	0.256403	hyper	sig	chr19_9498729
chr15	84079842	84079842	+	7.907E-16	1.35859E-14	0.222822	hyper	sig	chr15_84079842
chr15	1.01E+08	101088448	+	7.908E-16	1.35883E-14	-0.2248	hypo	sig	chr15_101088448
chr1	30773501	30773501	+	7.909E-16	1.35891E-14	-0.22436	hypo	sig	chr1_30773501
chr19	58356247	58356247	+	7.915E-16	1.35984E-14	0.257855	hyper	sig	chr19_58356247
chr19	46410420	46410420	+	7.916E-16	1.35997E-14	-0.24385	hypo	sig	chr19_46410420
chr12	53999634	53999634	+	7.93E-16	1.36234E-14	0.214922	hyper	sig	chr12_53999634
chr7	1.01E+08	101362771	+	7.931E-16	1.3625E-14	0.247608	hyper	sig	chr7_101362771
chr5	51387947	51387947	+	7.937E-16	1.36355E-14	0.225474	hyper	sig	chr5_51387947
chr12	24902376	24902376	+	7.952E-16	1.36592E-14	0.21933	hyper	sig	chr12_24902376
chr2	96527418	96527418	+	7.959E-16	1.36718E-14	0.232419	hyper	sig	chr2_96527418
chr1	1.98E+08	197920539	+	7.962E-16	1.36762E-14	0.223151	hyper	sig	chr1_197920539
chr5	3599608	3599608	+	7.969E-16	1.36874E-14	0.234389	hyper	sig	chr5_3599608
chr6	1.37E+08	137494645	+	7.971E-16	1.36898E-14	0.268212	hyper	sig	chr6_137494645

chr7	6664506	6664506	+	7.975E-16	1.36973E-14	0.218183	hyper	sig	chr7_6664506
chr16	1225475	1225475	+	7.984E-16	1.37126E-14	-0.22114	hypo	sig	chr16_1225475
chr1	1.44E+08	143651547	+	7.987E-16	1.37174E-14	0.231016	hyper	sig	chr1_143651547
chr22	43155745	43155745	+	7.988E-16	1.37176E-14	-0.21419	hypo	sig	chr22_43155745
chr12	6555370	6555370	+	7.99E-16	1.37207E-14	0.232625	hyper	sig	chr12_6555370
chr3	1.96E+08	195955769	+	7.991E-16	1.37218E-14	-0.21254	hypo	sig	chr3_195955769
chr5	6586992	6586992	+	8.002E-16	1.3741E-14	-0.30886	hypo	sig	chr5_6586992
chr17	78459262	78459262	+	8.019E-16	1.37697E-14	-0.23917	hypo	sig	chr17_78459262
chr16	12903735	12903735	+	8.025E-16	1.37795E-14	0.224875	hyper	sig	chr16_12903735
chr4	1.25E+08	125317039	+	8.027E-16	1.37815E-14	0.261322	hyper	sig	chr4_125317039
chr4	1.47E+08	146637305	+	8.027E-16	1.37817E-14	0.268756	hyper	sig	chr4_146637305
chr17	35490143	35490143	+	8.029E-16	1.37843E-14	0.216708	hyper	sig	chr17_35490143
chr7	27106546	27106546	+	8.06E-16	1.38367E-14	0.226177	hyper	sig	chr7_27106546
chr8	24918682	24918682	+	8.074E-16	1.38599E-14	-0.24093	hypo	sig	chr8_24918682
chr12	54047158	54047158	+	8.08E-16	1.38697E-14	0.294636	hyper	sig	chr12_54047158
chr19	28727224	28727224	+	8.09E-16	1.38865E-14	0.251652	hyper	sig	chr19_28727224
chr16	55656666	55656666	+	8.091E-16	1.38875E-14	0.205937	hyper	sig	chr16_55656666
chr10	99531343	99531343	+	8.096E-16	1.38959E-14	0.235699	hyper	sig	chr10_99531343
chr19	13014210	13014210	+	8.122E-16	1.39383E-14	0.25875	hyper	sig	chr19_13014210
chr10	7174183	7174183	+	8.131E-16	1.39532E-14	-0.20918	hypo	sig	chr10_7174183
chr1	42453727	42453727	+	8.135E-16	1.39606E-14	-0.21831	hypo	sig	chr1_42453727
chr3	9552529	9552529	+	8.137E-16	1.39642E-14	0.215386	hyper	sig	chr3_9552529
chr17	948559	948559	+	8.142E-16	1.39711E-14	-0.20219	hypo	sig	chr17_948559
chr5	1.56E+08	155728912	+	8.143E-16	1.39731E-14	0.214152	hyper	sig	chr5_155728912
chr17	50270725	50270725	+	8.15E-16	1.39835E-14	-0.21019	hypo	sig	chr17_50270725
chr4	6329558	6329558	+	8.152E-16	1.39862E-14	-0.25257	hypo	sig	chr4_6329558
chr5	1.41E+08	141236731	+	8.169E-16	1.40152E-14	0.231416	hyper	sig	chr5_141236731
chr3	72655353	72655353	+	8.171E-16	1.40194E-14	0.20651	hyper	sig	chr3_72655353
chr1	17149570	17149570	+	8.194E-16	1.40577E-14	0.222149	hyper	sig	chr1_17149570
chr6	1.46E+08	146027777	+	8.218E-16	1.40968E-14	0.202052	hyper	sig	chr6_146027777
chr19	35867881	35867881	+	8.246E-16	1.41451E-14	-0.24089	hypo	sig	chr19_35867881
chr8	86068254	86068254	+	8.247E-16	1.41459E-14	-0.31491	hypo	sig	chr8_86068254
chr20	21515956	21515956	+	8.253E-16	1.41548E-14	0.22868	hyper	sig	chr20_21515956
chr22	41561439	41561439	+	8.26E-16	1.41675E-14	-0.21348	hypo	sig	chr22_41561439
chr7	1E+08	100122305	+	8.265E-16	1.41757E-14	-0.28486	hypo	sig	chr7_100122305
chr15	64781617	64781617	+	8.269E-16	1.41826E-14	-0.26629	hypo	sig	chr15_64781617
chr13	45851542	45851542	+	8.272E-16	1.41857E-14	0.232534	hyper	sig	chr13_45851542
chr6	41028422	41028422	+	8.273E-16	1.41874E-14	0.210419	hyper	sig	chr6_41028422
chr19	45591458	45591458	+	8.275E-16	1.41917E-14	-0.25499	hypo	sig	chr19_45591458
chr3	1.47E+08	147398274	+	8.335E-16	1.42898E-14	0.233231	hyper	sig	chr3_147398274
chr3	1.38E+08	137769511	+	8.341E-16	1.42996E-14	0.230008	hyper	sig	chr3_137769511
chr6	10494990	10494990	+	8.356E-16	1.43252E-14	-0.21422	hypo	sig	chr6_10494990
chr1	29478798	29478798	+	8.357E-16	1.4327E-14	0.246631	hyper	sig	chr1_29478798
chr2	2.39E+08	239145532	+	8.363E-16	1.43375E-14	0.239736	hyper	sig	chr2_239145532
chr1	2.17E+08	217090498	+	8.368E-16	1.43458E-14	-0.20388	hypo	sig	chr1_217090498
chr3	1.38E+08	137771633	+	8.38E-16	1.4365E-14	0.207864	hyper	sig	chr3_137771633
chr3	1.38E+08	137771735	+	8.387E-16	1.43773E-14	0.229307	hyper	sig	chr3_137771735
chr2	2.08E+08	208124583	+	8.396E-16	1.43913E-14	0.237978	hyper	sig	chr2_208124583
chr4	34506787	34506787	+	8.41E-16	1.44154E-14	-0.24219	hypo	sig	chr4_34506787
chr19	13013877	13013877	+	8.418E-16	1.44278E-14	0.207224	hyper	sig	chr19_13013877
chr19	19211809	19211809	+	8.418E-16	1.44278E-14	0.318268	hyper	sig	chr19_19211809
chr12	6824177	6824177	+	8.462E-16	1.45006E-14	-0.20553	hypo	sig	chr12_6824177
chr8	26040266	26040266	+	8.499E-16	1.45626E-14	0.247001	hyper	sig	chr8_26040266
chr19	53978302	53978302	+	8.55E-16	1.46482E-14	0.339971	hyper	sig	chr19_53978302
chr7	1156677	1156677	+	8.554E-16	1.46544E-14	-0.26777	hypo	sig	chr7_1156677
chr16	70646462	70646462	+	8.568E-16	1.46784E-14	-0.21145	hypo	sig	chr16_70646462

chr2	38075200	38075200	+	8.57E-16	1.46811E-14	0.339822	hyper	sig	chr2_38075200
chr6	1.06E+08	105981295	+	8.58E-16	1.46974E-14	0.229039	hyper	sig	chr6_105981295
chr6	31510389	31510389	+	8.599E-16	1.4729E-14	-0.26937	hypo	sig	chr6_31510389
chr16	50992767	50992767	+	8.603E-16	1.47352E-14	-0.22567	hypo	sig	chr16_50992767
chr15	34752551	34752551	+	8.607E-16	1.4741E-14	-0.22897	hypo	sig	chr15_34752551
chr5	1.41E+08	141431823	+	8.608E-16	1.47437E-14	0.207837	hyper	sig	chr5_141431823
chr11	67421586	67421586	+	8.619E-16	1.47601E-14	-0.25383	hypo	sig	chr11_67421586
chr1	1.53E+08	152796251	+	8.629E-16	1.47761E-14	-0.20433	hypo	sig	chr1_152796251
chr4	7478189	7478189	+	8.638E-16	1.47918E-14	-0.23055	hypo	sig	chr4_7478189
chr17	42670422	42670422	+	8.64E-16	1.47947E-14	0.210256	hyper	sig	chr17_42670422
chr8	84182745	84182745	+	8.661E-16	1.48282E-14	0.239715	hyper	sig	chr8_84182745
chr7	1.56E+08	155922521	+	8.662E-16	1.48287E-14	-0.23959	hypo	sig	chr7_155922521
chr3	42265001	42265001	+	8.689E-16	1.48738E-14	0.252202	hyper	sig	chr3_42265001
chr17	48594655	48594655	+	8.693E-16	1.48807E-14	-0.21174	hypo	sig	chr17_48594655
chr22	49670220	49670220	+	8.699E-16	1.48895E-14	0.255937	hyper	sig	chr22_49670220
chr17	48607308	48607308	+	8.701E-16	1.48927E-14	-0.20101	hypo	sig	chr17_48607308
chr1	18632188	18632188	+	8.718E-16	1.49215E-14	0.221652	hyper	sig	chr1_18632188
chr18	76350798	76350798	+	8.722E-16	1.49274E-14	-0.21498	hypo	sig	chr18_76350798
chr3	1.33E+08	133038204	+	8.749E-16	1.49724E-14	0.211115	hyper	sig	chr3_133038204
chr2	1.31E+08	130918598	+	8.757E-16	1.49861E-14	-0.22284	hypo	sig	chr2_130918598
chr6	31538791	31538791	+	8.76E-16	1.49902E-14	-0.20898	hypo	sig	chr6_31538791
chr19	6713499	6713499	+	8.763E-16	1.49957E-14	-0.22115	hypo	sig	chr19_6713499
chr5	51390467	51390467	+	8.777E-16	1.50181E-14	0.201919	hyper	sig	chr5_51390467
chr2	1.76E+08	176164914	+	8.785E-16	1.5032E-14	0.220007	hyper	sig	chr2_176164914
chr17	80152923	80152923	+	8.836E-16	1.51176E-14	-0.23684	hypo	sig	chr17_80152923
chr11	1443574	1443574	+	8.841E-16	1.5126E-14	-0.24923	hypo	sig	chr11_1443574
chr13	1.12E+08	112376359	+	8.86E-16	1.51568E-14	-0.21638	hypo	sig	chr13_112376359
chr1	1.58E+08	158355464	+	8.865E-16	1.51651E-14	-0.28855	hypo	sig	chr1_158355464
chr17	76944255	76944255	+	8.868E-16	1.51709E-14	-0.2034	hypo	sig	chr17_76944255
chr12	45051044	45051044	+	8.87E-16	1.5173E-14	0.201336	hyper	sig	chr12_45051044
chr7	1348976	1348976	+	8.891E-16	1.52076E-14	-0.22093	hypo	sig	chr7_1348976
chr11	64222666	64222666	+	8.892E-16	1.52095E-14	-0.20245	hypo	sig	chr11_64222666
chr17	48582640	48582640	+	8.893E-16	1.52115E-14	-0.20777	hypo	sig	chr17_48582640
chr19	45472771	45472771	+	8.901E-16	1.52246E-14	0.285739	hyper	sig	chr19_45472771
chr1	1.61E+08	161259164	+	8.933E-16	1.52771E-14	0.232132	hyper	sig	chr1_161259164
chr7	35249976	35249976	+	8.96E-16	1.5323E-14	0.215906	hyper	sig	chr7_35249976
chr11	20163566	20163566	+	8.968E-16	1.5336E-14	0.262219	hyper	sig	chr11_20163566
chr12	4809200	4809200	+	8.969E-16	1.53365E-14	0.223446	hyper	sig	chr12_4809200
chr12	1.08E+08	107775243	+	8.974E-16	1.5345E-14	0.239888	hyper	sig	chr12_107775243
chr5	1.47E+08	146879048	+	8.977E-16	1.5349E-14	0.236484	hyper	sig	chr5_146879048
chr20	19974893	19974893	+	8.995E-16	1.538E-14	0.215922	hyper	sig	chr20_19974893
chr1	2961843	2961843	+	9.019E-16	1.54195E-14	-0.25461	hypo	sig	chr1_2961843
chr5	1885423	1885423	+	9.041E-16	1.54552E-14	0.204451	hyper	sig	chr5_1885423
chr11	1.19E+08	118971632	+	9.043E-16	1.54585E-14	-0.25407	hypo	sig	chr11_118971632
chr15	89379424	89379424	+	9.057E-16	1.54823E-14	0.218609	hyper	sig	chr15_89379424
chr2	949780	949780	+	9.085E-16	1.55286E-14	0.24104	hyper	sig	chr2_949780
chr16	86513768	86513768	+	9.088E-16	1.55335E-14	0.236771	hyper	sig	chr16_86513768
chr14	74241208	74241208	+	9.098E-16	1.55495E-14	0.21292	hyper	sig	chr14_74241208
chr4	1.04E+08	103719996	+	9.102E-16	1.55552E-14	0.207052	hyper	sig	chr4_103719996
chr13	99997546	99997546	+	9.162E-16	1.56562E-14	0.227026	hyper	sig	chr13_99997546
chr21	36696281	36696281	+	9.162E-16	1.56567E-14	0.329897	hyper	sig	chr21_36696281
chr8	1.42E+08	142430206	+	9.166E-16	1.56626E-14	-0.25215	hypo	sig	chr8_142430206
chr16	51113930	51113930	+	9.167E-16	1.56639E-14	0.22607	hyper	sig	chr16_51113930
chr20	46246810	46246810	+	9.204E-16	1.5725E-14	0.229543	hyper	sig	chr20_46246810
chr6	99605261	99605261	+	9.204E-16	1.5725E-14	0.203933	hyper	sig	chr6_99605261
chr7	27103595	27103595	+	9.209E-16	1.57336E-14	0.24532	hyper	sig	chr7_27103595

chr16	14400149	14400149	+	9.23E-16	1.57678E-14	-0.30234	hypo	sig	chr16_14400149
chr6	50706962	50706962	+	9.234E-16	1.57751E-14	0.240505	hyper	sig	chr6_50706962
chr17	73293193	73293193	+	9.239E-16	1.57831E-14	-0.23989	hypo	sig	chr17_73293193
chr2	1.3E+08	129933022	+	9.249E-16	1.58E-14	-0.25643	hypo	sig	chr2_129933022
chr5	88694774	88694774	+	9.258E-16	1.58132E-14	0.215394	hyper	sig	chr5_88694774
chr11	2162204	2162204	+	9.292E-16	1.58695E-14	-0.23332	hypo	sig	chr11_2162204
chr16	3101222	3101222	+	9.295E-16	1.58744E-14	-0.24293	hypo	sig	chr16_3101222
chr4	2812395	2812395	+	9.315E-16	1.59076E-14	-0.22804	hypo	sig	chr4_2812395
chr19	13014430	13014430	+	9.322E-16	1.59197E-14	0.24887	hyper	sig	chr19_13014430
chr10	1.32E+08	132301864	+	9.325E-16	1.5924E-14	-0.20718	hypo	sig	chr10_132301864
chr13	27821191	27821191	+	9.332E-16	1.59358E-14	0.265791	hyper	sig	chr13_27821191
chr12	54031662	54031662	+	9.336E-16	1.59413E-14	0.272935	hyper	sig	chr12_54031662
chr7	63901296	63901296	+	9.356E-16	1.59741E-14	0.226339	hyper	sig	chr7_63901296
chr11	94740959	94740959	+	9.368E-16	1.59944E-14	0.205762	hyper	sig	chr11_94740959
chr17	12663041	12663041	+	9.373E-16	1.60013E-14	-0.24485	hypo	sig	chr17_12663041
chr15	52795483	52795483	+	9.376E-16	1.60058E-14	0.241047	hyper	sig	chr15_52795483
chr22	19892648	19892648	+	9.381E-16	1.6015E-14	-0.25515	hypo	sig	chr22_19892648
chr5	1.73E+08	173300566	+	9.383E-16	1.60177E-14	-0.21714	hypo	sig	chr5_173300566
chr11	3167918	3167918	+	9.397E-16	1.60401E-14	-0.20533	hypo	sig	chr11_3167918
chr7	27101142	27101142	+	9.408E-16	1.60595E-14	0.226718	hyper	sig	chr7_27101142
chr2	7097092	7097092	+	9.425E-16	1.6088E-14	-0.22096	hypo	sig	chr2_7097092
chr19	42424915	42424915	+	9.428E-16	1.60921E-14	-0.222	hypo	sig	chr19_42424915
chr3	13282200	13282200	+	9.434E-16	1.61026E-14	0.294478	hyper	sig	chr3_13282200
chr17	82699810	82699810	+	9.436E-16	1.61056E-14	0.26014	hyper	sig	chr17_82699810
chr16	85284814	85284814	+	9.442E-16	1.61144E-14	-0.22642	hypo	sig	chr16_85284814
chr1	69569812	69569812	+	9.445E-16	1.61204E-14	0.217634	hyper	sig	chr1_69569812
chr7	27587007	27587007	+	9.478E-16	1.61752E-14	-0.20664	hypo	sig	chr7_27587007
chr19	50608085	50608085	+	9.481E-16	1.61789E-14	0.233658	hyper	sig	chr19_50608085
chr2	2.41E+08	241187390	+	9.5E-16	1.621E-14	-0.29288	hypo	sig	chr2_241187390
chr15	99019750	99019750	+	9.519E-16	1.62407E-14	-0.33208	hypo	sig	chr15_99019750
chr7	1.38E+08	137844178	+	9.54E-16	1.62761E-14	-0.23387	hypo	sig	chr7_137844178
chr5	73232367	73232367	+	9.551E-16	1.62944E-14	0.2359	hyper	sig	chr5_73232367
chr1	1.53E+08	152812438	+	9.554E-16	1.62988E-14	-0.21564	hypo	sig	chr1_152812438
chr1	2.14E+08	213980112	+	9.557E-16	1.63039E-14	0.203727	hyper	sig	chr1_213980112
chr6	41560748	41560748	+	9.56E-16	1.63068E-14	0.224985	hyper	sig	chr6_41560748
chr16	10182892	10182892	+	9.57E-16	1.63234E-14	0.234852	hyper	sig	chr16_10182892
chr1	2.1E+08	210325672	+	9.582E-16	1.63439E-14	-0.22454	hypo	sig	chr1_210325672
chr14	88325520	88325520	+	9.589E-16	1.6354E-14	-0.21051	hypo	sig	chr14_88325520
chr10	95230961	95230961	+	9.607E-16	1.63836E-14	0.229677	hyper	sig	chr10_95230961
chr15	25194322	25194322	+	9.627E-16	1.64164E-14	-0.215	hypo	sig	chr15_25194322
chr2	29920086	29920086	+	9.629E-16	1.642E-14	0.290431	hyper	sig	chr2_29920086
chr4	52076888	52076888	+	9.641E-16	1.64388E-14	0.219314	hyper	sig	chr4_52076888
chr11	67731382	67731382	+	9.642E-16	1.64411E-14	-0.22868	hypo	sig	chr11_67731382
chr17	63942149	63942149	+	9.667E-16	1.64812E-14	-0.21373	hypo	sig	chr17_63942149
chr17	1040102	1040102	+	9.687E-16	1.65153E-14	-0.21295	hypo	sig	chr17_1040102
chr17	28717611	28717611	+	9.7E-16	1.65364E-14	0.215224	hyper	sig	chr17_28717611
chr1	7782039	7782039	+	9.703E-16	1.65411E-14	-0.218	hypo	sig	chr1_7782039
chr8	64798280	64798280	+	9.709E-16	1.65508E-14	0.233739	hyper	sig	chr8_64798280
chr2	2.32E+08	231662720	+	9.72E-16	1.65691E-14	-0.21151	hypo	sig	chr2_231662720
chr22	46077154	46077154	+	9.721E-16	1.65704E-14	-0.23775	hypo	sig	chr22_46077154
chr9	1.35E+08	134781811	+	9.721E-16	1.65704E-14	-0.21983	hypo	sig	chr9_134781811
chr1	40666274	40666274	+	9.736E-16	1.65952E-14	-0.23955	hypo	sig	chr1_40666274
chr5	1.41E+08	140795256	+	9.756E-16	1.66292E-14	0.208815	hyper	sig	chr5_140795256
chr10	1.33E+08	132936652	+	9.762E-16	1.66384E-14	-0.2564	hypo	sig	chr10_132936652
chr19	57099455	57099455	+	9.762E-16	1.66384E-14	0.275725	hyper	sig	chr19_57099455
chr13	50127773	50127773	+	9.765E-16	1.66427E-14	0.251127	hyper	sig	chr13_50127773

chr1	8333830	8333830	+	9.77E-16	1.66498E-14	-0.30971	hypo	sig	chr1_8333830
chr7	65266078	65266078	+	9.77E-16	1.66503E-14	-0.21309	hypo	sig	chr7_65266078
chr12	53955399	53955399	+	9.777E-16	1.66625E-14	0.229935	hyper	sig	chr12_53955399
chr2	2.22E+08	222304882	+	9.779E-16	1.6664E-14	0.238377	hyper	sig	chr2_222304882
chr5	1.79E+08	178577146	+	9.78E-16	1.66665E-14	0.229206	hyper	sig	chr5_178577146
chr5	3596822	3596822	+	9.782E-16	1.66696E-14	0.27533	hyper	sig	chr5_3596822
chr19	58440757	58440757	+	9.822E-16	1.67368E-14	0.225058	hyper	sig	chr19_58440757
chr2	1.31E+08	131391963	+	9.831E-16	1.67503E-14	-0.21982	hypo	sig	chr2_131391963
chr2	12719007	12719007	+	9.865E-16	1.68084E-14	0.244829	hyper	sig	chr2_12719007
chr7	1.36E+08	135748605	+	9.871E-16	1.68173E-14	-0.20017	hypo	sig	chr7_135748605
chr6	10886906	10886906	+	9.876E-16	1.68252E-14	0.213848	hyper	sig	chr6_10886906
chr3	10816051	10816051	+	9.877E-16	1.68266E-14	0.221933	hyper	sig	chr3_10816051
chr4	1.64E+08	164384171	+	9.897E-16	1.68603E-14	0.204258	hyper	sig	chr4_164384171
chr7	79454450	79454450	+	9.904E-16	1.68718E-14	0.274701	hyper	sig	chr7_79454450
chr7	38311363	38311363	+	9.905E-16	1.68732E-14	0.25786	hyper	sig	chr7_38311363
chr17	80353059	80353059	+	9.925E-16	1.69056E-14	-0.21834	hypo	sig	chr17_80353059
chr12	1.08E+08	107775226	+	9.958E-16	1.69618E-14	0.248391	hyper	sig	chr12_107775226
chr12	1.08E+08	107775235	+	9.979E-16	1.69969E-14	0.24232	hyper	sig	chr12_107775235
chr8	67952334	67952334	+	9.997E-16	1.70262E-14	0.21798	hyper	sig	chr8_67952334
chr10	630668	630668	+	1.003E-15	1.70773E-14	0.251564	hyper	sig	chr10_630668
chr8	76683887	76683887	+	1.003E-15	1.70796E-14	0.252025	hyper	sig	chr8_76683887
chr4	1.11E+08	110612628	+	1.004E-15	1.70956E-14	0.261354	hyper	sig	chr4_110612628
chr7	1.03E+08	103152947	+	1.004E-15	1.71004E-14	-0.20046	hypo	sig	chr7_103152947
chr11	69293877	69293877	+	1.005E-15	1.71165E-14	-0.2294	hypo	sig	chr11_69293877
chr1	47450199	47450199	+	1.007E-15	1.71499E-14	-0.20191	hypo	sig	chr1_47450199
chr13	50127755	50127755	+	1.008E-15	1.71524E-14	0.301977	hyper	sig	chr13_50127755
chr19	41577485	41577485	+	1.008E-15	1.71535E-14	-0.30207	hypo	sig	chr19_41577485
chr17	49963937	49963937	+	1.008E-15	1.71629E-14	0.335142	hyper	sig	chr17_49963937
chr1	2032468	2032468	+	1.008E-15	1.71667E-14	-0.27489	hypo	sig	chr1_2032468
chr2	1.82E+08	181682870	+	1.009E-15	1.71767E-14	0.285644	hyper	sig	chr2_181682870
chr4	1.25E+08	125316934	+	1.011E-15	1.72029E-14	0.2494	hyper	sig	chr4_125316934
chr20	63402158	63402158	+	1.011E-15	1.72067E-14	-0.21896	hypo	sig	chr20_63402158
chr7	2193571	2193571	+	1.014E-15	1.72538E-14	-0.26904	hypo	sig	chr7_2193571
chr7	1.29E+08	129166943	+	1.015E-15	1.72796E-14	-0.27455	hypo	sig	chr7_129166943
chr15	88255100	88255100	+	1.016E-15	1.72938E-14	0.203764	hyper	sig	chr15_88255100
chr12	53938215	53938215	+	1.017E-15	1.72996E-14	0.221858	hyper	sig	chr12_53938215
chr19	53431547	53431547	+	1.017E-15	1.7305E-14	0.218907	hyper	sig	chr19_53431547
chr4	42151064	42151064	+	1.019E-15	1.73459E-14	0.370182	hyper	sig	chr4_42151064
chr13	57630084	57630084	+	1.02E-15	1.73604E-14	0.264247	hyper	sig	chr13_57630084
chr14	53952896	53952896	+	1.022E-15	1.73807E-14	0.27485	hyper	sig	chr14_53952896
chr5	93596149	93596149	+	1.023E-15	1.74049E-14	0.245801	hyper	sig	chr5_93596149
chr2	1.63E+08	162838582	+	1.023E-15	1.7412E-14	0.234718	hyper	sig	chr2_162838582
chr4	7337003	7337003	+	1.024E-15	1.74197E-14	-0.20544	hypo	sig	chr4_7337003
chr2	11481336	11481336	+	1.025E-15	1.74344E-14	-0.25752	hypo	sig	chr2_11481336
chr12	75209212	75209212	+	1.027E-15	1.74618E-14	0.320536	hyper	sig	chr12_75209212
chr2	1.61E+08	161281191	+	1.027E-15	1.74721E-14	-0.33192	hypo	sig	chr2_161281191
chr16	1137941	1137941	+	1.027E-15	1.74729E-14	-0.22315	hypo	sig	chr16_1137941
chr6	1.69E+08	168999665	+	1.028E-15	1.74816E-14	-0.25221	hypo	sig	chr6_168999665
chr5	32713406	32713406	+	1.031E-15	1.75281E-14	0.262422	hyper	sig	chr5_32713406
chr16	46930245	46930245	+	1.031E-15	1.75371E-14	0.200117	hyper	sig	chr16_46930245
chr1	2.17E+08	217137262	+	1.034E-15	1.75789E-14	0.211979	hyper	sig	chr1_217137262
chr3	1.33E+08	133038189	+	1.034E-15	1.75843E-14	0.226992	hyper	sig	chr3_133038189
chr13	36430399	36430399	+	1.035E-15	1.75934E-14	0.211606	hyper	sig	chr13_36430399
chr1	32904162	32904162	+	1.037E-15	1.7626E-14	-0.21941	hypo	sig	chr1_32904162
chr7	1.28E+08	128107293	+	1.037E-15	1.76341E-14	-0.21465	hypo	sig	chr7_128107293
chr6	1.68E+08	168035631	+	1.039E-15	1.76602E-14	-0.24337	hypo	sig	chr6_168035631

chr14	28765775	28765775	+	1.039E-15	1.76644E-14	0.200303	hyper	sig	chr14_28765775
chr1	48777125	48777125	+	1.04E-15	1.76756E-14	0.206787	hyper	sig	chr1_48777125
chr10	71665738	71665738	+	1.043E-15	1.7736E-14	-0.24544	hypo	sig	chr10_71665738
chr16	51153964	51153964	+	1.046E-15	1.77779E-14	0.237793	hyper	sig	chr16_51153964
chr12	84912070	84912070	+	1.047E-15	1.7801E-14	0.241896	hyper	sig	chr12_84912070
chr11	1.25E+08	125167441	+	1.048E-15	1.78032E-14	0.206007	hyper	sig	chr11_125167441
chr13	20301686	20301686	+	1.048E-15	1.78126E-14	0.30009	hyper	sig	chr13_20301686
chr17	49963942	49963942	+	1.05E-15	1.78417E-14	0.317309	hyper	sig	chr17_49963942
chr11	78660042	78660042	+	1.05E-15	1.78476E-14	-0.24277	hypo	sig	chr11_78660042
chr20	56627831	56627831	+	1.054E-15	1.79024E-14	0.233147	hyper	sig	chr20_56627831
chr6	28673845	28673845	+	1.054E-15	1.79054E-14	0.204889	hyper	sig	chr6_28673845
chr5	1.7E+08	169637034	+	1.054E-15	1.79136E-14	0.207367	hyper	sig	chr5_169637034
chr13	99655955	99655955	+	1.056E-15	1.79507E-14	-0.22205	hypo	sig	chr13_99655955
chr17	79802048	79802048	+	1.057E-15	1.79558E-14	0.200252	hyper	sig	chr17_79802048
chr19	43388674	43388674	+	1.057E-15	1.79566E-14	-0.26905	hypo	sig	chr19_43388674
chr11	393606	393606	+	1.057E-15	1.79648E-14	-0.25601	hypo	sig	chr11_393606
chr12	54219158	54219158	+	1.058E-15	1.79778E-14	-0.20598	hypo	sig	chr12_54219158
chr11	2293840	2293840	+	1.06E-15	1.8004E-14	-0.20834	hypo	sig	chr11_2293840
chr16	2182470	2182470	+	1.06E-15	1.8004E-14	-0.21445	hypo	sig	chr16_2182470
chr8	64576191	64576191	+	1.06E-15	1.80075E-14	0.201604	hyper	sig	chr8_64576191
chr17	45261851	45261851	+	1.064E-15	1.80718E-14	0.262451	hyper	sig	chr17_45261851
chr4	1.66E+08	165874120	+	1.067E-15	1.81163E-14	0.210794	hyper	sig	chr4_165874120
chr15	93412893	93412893	+	1.067E-15	1.81221E-14	-0.25684	hypo	sig	chr15_93412893
chr16	67990881	67990881	+	1.069E-15	1.81551E-14	-0.21729	hypo	sig	chr16_67990881
chr6	77467089	77467089	+	1.069E-15	1.81551E-14	0.231785	hyper	sig	chr6_77467089
chr12	34332266	34332266	+	1.07E-15	1.81675E-14	-0.25288	hypo	sig	chr12_34332266
chr10	1.18E+08	117735087	+	1.07E-15	1.81782E-14	0.208663	hyper	sig	chr10_117735087
chr18	73147	73147	+	1.071E-15	1.81886E-14	0.213516	hyper	sig	chr18_73147
chr21	44392838	44392838	+	1.072E-15	1.81931E-14	-0.25336	hypo	sig	chr21_44392838
chr5	33937120	33937120	+	1.072E-15	1.81985E-14	0.209644	hyper	sig	chr5_33937120
chr16	49278610	49278610	+	1.073E-15	1.82205E-14	0.219623	hyper	sig	chr16_49278610
chr7	20793486	20793486	+	1.075E-15	1.82488E-14	0.276622	hyper	sig	chr7_20793486
chr10	72217063	72217063	+	1.077E-15	1.82817E-14	-0.24526	hypo	sig	chr10_72217063
chr19	57611939	57611939	+	1.078E-15	1.8293E-14	-0.22463	hypo	sig	chr19_57611939
chr1	37035191	37035191	+	1.079E-15	1.83069E-14	0.280718	hyper	sig	chr1_37035191
chr3	28575187	28575187	+	1.079E-15	1.83177E-14	0.304821	hyper	sig	chr3_28575187
chr10	1.33E+08	133365267	+	1.081E-15	1.83394E-14	-0.21398	hypo	sig	chr10_133365267
chr5	957891	957891	+	1.081E-15	1.83473E-14	-0.30673	hypo	sig	chr5_957891
chr7	31060158	31060158	+	1.082E-15	1.83624E-14	-0.24874	hypo	sig	chr7_31060158
chr3	14811698	14811698	+	1.082E-15	1.83682E-14	0.229679	hyper	sig	chr3_14811698
chr4	7591666	7591666	+	1.085E-15	1.84098E-14	-0.2373	hypo	sig	chr4_7591666
chr6	1E+08	100466763	+	1.086E-15	1.84231E-14	0.212023	hyper	sig	chr6_100466763
chr5	53485154	53485154	+	1.086E-15	1.84342E-14	-0.29509	hypo	sig	chr5_53485154
chr2	63057694	63057694	+	1.088E-15	1.8462E-14	0.233499	hyper	sig	chr2_63057694
chr20	64062663	64062663	+	1.089E-15	1.84686E-14	0.208544	hyper	sig	chr20_64062663
chr7	1.55E+08	155451530	+	1.091E-15	1.8504E-14	0.216263	hyper	sig	chr7_155451530
chr10	1201500	1201500	+	1.092E-15	1.8517E-14	-0.20224	hypo	sig	chr10_1201500
chr16	4331694	4331694	+	1.093E-15	1.8547E-14	-0.24581	hypo	sig	chr16_4331694
chr12	52007618	52007618	+	1.095E-15	1.85741E-14	0.205446	hyper	sig	chr12_52007618
chr8	23714211	23714211	+	1.096E-15	1.85895E-14	0.255978	hyper	sig	chr8_23714211
chr22	45162552	45162552	+	1.098E-15	1.86245E-14	-0.27597	hypo	sig	chr22_45162552
chr10	52778552	52778552	+	1.099E-15	1.86339E-14	0.238467	hyper	sig	chr10_52778552
chr16	70646443	70646443	+	1.099E-15	1.8642E-14	-0.20346	hypo	sig	chr16_70646443
chr13	40173173	40173173	+	1.1E-15	1.86469E-14	-0.31404	hypo	sig	chr13_40173173
chr1	90727112	90727112	+	1.1E-15	1.86501E-14	0.219364	hyper	sig	chr1_90727112
chr7	1.44E+08	143885557	+	1.1E-15	1.86554E-14	0.2751	hyper	sig	chr7_143885557

chr1	1.11E+08	111200915	+	1.101E-15	1.86678E-14	-0.21062	hypo	sig	chr1_111200915
chr2	81481549	81481549	+	1.102E-15	1.86795E-14	-0.22337	hypo	sig	chr2_81481549
chr13	1.12E+08	112069888	+	1.106E-15	1.87479E-14	0.276347	hyper	sig	chr13_112069888
chr3	1.41E+08	141052506	+	1.106E-15	1.87485E-14	0.261429	hyper	sig	chr3_141052506
chr16	51150958	51150958	+	1.108E-15	1.87919E-14	0.283712	hyper	sig	chr16_51150958
chr2	1.76E+08	176109370	+	1.113E-15	1.88615E-14	0.213876	hyper	sig	chr2_176109370
chr6	52839582	52839582	+	1.116E-15	1.89166E-14	-0.25514	hypo	sig	chr6_52839582
chr4	1.57E+08	157222576	+	1.118E-15	1.89416E-14	0.230041	hyper	sig	chr4_157222576
chr3	13637950	13637950	+	1.12E-15	1.89869E-14	-0.22488	hypo	sig	chr3_13637950
chr8	55449391	55449391	+	1.126E-15	1.90739E-14	-0.2529	hypo	sig	chr8_55449391
chr5	55223520	55223520	+	1.127E-15	1.91039E-14	0.218804	hyper	sig	chr5_55223520
chr21	44709009	44709009	+	1.128E-15	1.91173E-14	0.249774	hyper	sig	chr21_44709009
chr12	1.32E+08	132380332	+	1.13E-15	1.9154E-14	-0.20196	hypo	sig	chr12_132380332
chr7	4835547	4835547	+	1.131E-15	1.91624E-14	-0.20866	hypo	sig	chr7_4835547
chr5	1.36E+08	136356297	+	1.131E-15	1.9166E-14	-0.25456	hypo	sig	chr5_136356297
chr19	57709092	57709092	+	1.132E-15	1.91802E-14	0.219489	hyper	sig	chr19_57709092
chr19	16067590	16067590	+	1.133E-15	1.91988E-14	-0.29878	hypo	sig	chr19_16067590
chr19	10544946	10544946	+	1.133E-15	1.92019E-14	-0.2203	hypo	sig	chr19_10544946
chr11	17474667	17474667	+	1.135E-15	1.92345E-14	-0.21609	hypo	sig	chr11_17474667
chr6	20032433	20032433	+	1.136E-15	1.92399E-14	0.205014	hyper	sig	chr6_20032433
chr3	62379299	62379299	+	1.142E-15	1.93445E-14	0.227361	hyper	sig	chr3_62379299
chr17	28368417	28368417	+	1.144E-15	1.93786E-14	-0.21794	hypo	sig	chr17_28368417
chr10	93497141	93497141	+	1.145E-15	1.93916E-14	-0.28467	hypo	sig	chr10_93497141
chr8	23714193	23714193	+	1.148E-15	1.94363E-14	0.252142	hyper	sig	chr8_23714193
chr11	67452373	67452373	+	1.153E-15	1.9527E-14	-0.23163	hypo	sig	chr11_67452373
chr10	75408744	75408744	+	1.156E-15	1.95763E-14	0.264909	hyper	sig	chr10_75408744
chr7	1.51E+08	151242476	+	1.159E-15	1.96152E-14	-0.25363	hypo	sig	chr7_151242476
chr17	41392940	41392940	+	1.16E-15	1.96313E-14	-0.27563	hypo	sig	chr17_41392940
chr6	29830217	29830217	+	1.161E-15	1.96496E-14	-0.23644	hypo	sig	chr6_29830217
chr13	1.02E+08	101916605	+	1.165E-15	1.97164E-14	0.26568	hyper	sig	chr13_101916605
chr20	46030325	46030325	+	1.167E-15	1.9753E-14	0.282559	hyper	sig	chr20_46030325
chr20	46030305	46030305	+	1.168E-15	1.97634E-14	0.276388	hyper	sig	chr20_46030305
chr20	608773	608773	+	1.168E-15	1.9771E-14	-0.30285	hypo	sig	chr20_608773
chr15	1E+08	100373751	+	1.169E-15	1.97758E-14	0.270901	hyper	sig	chr15_100373751
chr17	17476438	17476438	+	1.17E-15	1.97948E-14	-0.2765	hypo	sig	chr17_17476438
chr1	8348694	8348694	+	1.172E-15	1.98278E-14	-0.2833	hypo	sig	chr1_8348694
chr5	93573130	93573130	+	1.172E-15	1.98331E-14	0.279247	hyper	sig	chr5_93573130
chr4	41747793	41747793	+	1.175E-15	1.98819E-14	0.281988	hyper	sig	chr4_41747793
chr22	37024276	37024276	+	1.178E-15	1.9924E-14	-0.23906	hypo	sig	chr22_37024276
chr4	1.74E+08	173517738	+	1.179E-15	1.99417E-14	0.213793	hyper	sig	chr4_173517738
chr11	1.35E+08	134712851	+	1.182E-15	1.99875E-14	-0.24487	hypo	sig	chr11_134712851
chr5	1.35E+08	135486945	+	1.182E-15	1.99988E-14	-0.23978	hypo	sig	chr5_135486945
chr10	22477214	22477214	+	1.188E-15	2.00856E-14	0.220973	hyper	sig	chr10_22477214
chr19	42067346	42067346	+	1.188E-15	2.00936E-14	-0.23833	hypo	sig	chr19_42067346
chr22	48550848	48550848	+	1.188E-15	2.0097E-14	-0.20537	hypo	sig	chr22_48550848
chr15	77817072	77817072	+	1.191E-15	2.01461E-14	-0.26523	hypo	sig	chr15_77817072
chr12	62191682	62191682	+	1.192E-15	2.01627E-14	0.230632	hyper	sig	chr12_62191682
chr5	1.69E+08	169301475	+	1.193E-15	2.01778E-14	0.223066	hyper	sig	chr5_169301475
chr10	1.04E+08	103584457	+	1.196E-15	2.02147E-14	0.201005	hyper	sig	chr10_103584457
chr8	1.31E+08	131042497	+	1.197E-15	2.02425E-14	0.261887	hyper	sig	chr8_131042497
chr19	53521395	53521395	+	1.204E-15	2.03615E-14	0.234874	hyper	sig	chr19_53521395
chr6	31776574	31776574	+	1.205E-15	2.03628E-14	-0.26211	hypo	sig	chr6_31776574
chr16	88184789	88184789	+	1.205E-15	2.03674E-14	-0.21542	hypo	sig	chr16_88184789
chr5	980826	980826	+	1.207E-15	2.04059E-14	-0.21049	hypo	sig	chr5_980826
chr16	85162626	85162626	+	1.209E-15	2.0431E-14	-0.2416	hypo	sig	chr16_85162626
chr8	48923539	48923539	+	1.209E-15	2.04399E-14	-0.21653	hypo	sig	chr8_48923539

chr19	47021861	47021861	+	1.211E-15	2.04733E-14	0.225026	hyper	sig	chr19_47021861
chr10	68562120	68562120	+	1.212E-15	2.04831E-14	0.226849	hyper	sig	chr10_68562120
chr2	1.18E+08	118309940	+	1.213E-15	2.04982E-14	0.234986	hyper	sig	chr2_118309940
chr14	99247129	99247129	+	1.216E-15	2.05507E-14	0.236461	hyper	sig	chr14_99247129
chr2	96527411	96527411	+	1.217E-15	2.057E-14	0.246783	hyper	sig	chr2_96527411
chr4	72031992	72031992	+	1.218E-15	2.05733E-14	0.238692	hyper	sig	chr4_72031992
chr11	31824076	31824076	+	1.22E-15	2.06198E-14	0.263444	hyper	sig	chr11_31824076
chr14	60507143	60507143	+	1.222E-15	2.06382E-14	0.228572	hyper	sig	chr14_60507143
chr10	80131842	80131842	+	1.222E-15	2.06393E-14	-0.22702	hypo	sig	chr10_80131842
chr17	42670427	42670427	+	1.222E-15	2.06421E-14	0.2067	hyper	sig	chr17_42670427
chr11	1841013	1841013	+	1.222E-15	2.06516E-14	-0.20202	hypo	sig	chr11_1841013
chr5	1.46E+08	146340517	+	1.223E-15	2.06574E-14	0.274794	hyper	sig	chr5_146340517
chr7	64045875	64045875	+	1.225E-15	2.06904E-14	0.221246	hyper	sig	chr7_64045875
chr16	66974464	66974464	+	1.226E-15	2.07114E-14	-0.26189	hypo	sig	chr16_66974464
chr6	28648630	28648630	+	1.227E-15	2.07295E-14	0.260903	hyper	sig	chr6_28648630
chr17	81412628	81412628	+	1.229E-15	2.07598E-14	-0.21062	hypo	sig	chr17_81412628
chr1	1141042	1141042	+	1.231E-15	2.07858E-14	-0.24043	hypo	sig	chr1_1141042
chr22	37024271	37024271	+	1.232E-15	2.07999E-14	-0.2438	hypo	sig	chr22_37024271
chr10	1.17E+08	117132700	+	1.233E-15	2.0815E-14	0.238716	hyper	sig	chr10_117132700
chr5	1.41E+08	141394802	+	1.235E-15	2.08591E-14	0.216705	hyper	sig	chr5_141394802
chr1	1161322	1161322	+	1.238E-15	2.09052E-14	-0.29472	hypo	sig	chr1_1161322
chr11	1047790	1047790	+	1.238E-15	2.09112E-14	-0.22342	hypo	sig	chr11_1047790
chr2	2.06E+08	206444139	+	1.241E-15	2.09496E-14	0.260627	hyper	sig	chr2_206444139
chr1	27369186	27369186	+	1.241E-15	2.09606E-14	-0.20824	hypo	sig	chr1_27369186
chr12	33438480	33438480	+	1.242E-15	2.09716E-14	0.205072	hyper	sig	chr12_33438480
chr17	36464779	36464779	+	1.242E-15	2.09766E-14	0.228469	hyper	sig	chr17_36464779
chr7	94394998	94394998	+	1.244E-15	2.09945E-14	0.233454	hyper	sig	chr7_94394998
chr14	96615494	96615494	+	1.245E-15	2.10207E-14	-0.25968	hypo	sig	chr14_96615494
chr6	33113758	33113758	+	1.245E-15	2.10207E-14	-0.31684	hypo	sig	chr6_33113758
chr18	32140126	32140126	+	1.246E-15	2.10388E-14	-0.30885	hypo	sig	chr18_32140126
chr16	67165657	67165657	+	1.247E-15	2.10525E-14	0.24494	hyper	sig	chr16_67165657
chr7	1.28E+08	128201699	+	1.247E-15	2.10525E-14	0.208711	hyper	sig	chr7_128201699
chr16	69742318	69742318	+	1.249E-15	2.10741E-14	-0.22891	hypo	sig	chr16_69742318
chr17	17943404	17943404	+	1.249E-15	2.10741E-14	-0.23548	hypo	sig	chr17_17943404
chr16	86931743	86931743	+	1.249E-15	2.10752E-14	-0.20071	hypo	sig	chr16_86931743
chr5	1875791	1875791	+	1.249E-15	2.10814E-14	0.258025	hyper	sig	chr5_1875791
chr13	36432045	36432045	+	1.253E-15	2.11396E-14	0.255396	hyper	sig	chr13_36432045
chr5	1.79E+08	179060834	+	1.254E-15	2.11561E-14	0.223361	hyper	sig	chr5_179060834
chr11	269327	269327	+	1.255E-15	2.11846E-14	-0.22095	hypo	sig	chr11_269327
chr2	26188932	26188932	+	1.257E-15	2.12151E-14	-0.28136	hypo	sig	chr2_26188932
chr9	1.34E+08	133673243	+	1.259E-15	2.12353E-14	-0.23735	hypo	sig	chr9_133673243
chr11	1.26E+08	126459612	+	1.26E-15	2.12532E-14	-0.22878	hypo	sig	chr11_126459612
chr8	1.41E+08	140619382	+	1.26E-15	2.12544E-14	-0.21047	hypo	sig	chr8_140619382
chr2	1.19E+08	118842418	+	1.263E-15	2.13002E-14	0.269555	hyper	sig	chr2_118842418
chr8	23710412	23710412	+	1.265E-15	2.13444E-14	0.200386	hyper	sig	chr8_23710412
chr21	45642641	45642641	+	1.265E-15	2.13483E-14	0.266242	hyper	sig	chr21_45642641
chr7	2614741	2614741	+	1.27E-15	2.14147E-14	-0.21214	hypo	sig	chr7_2614741
chr19	48740173	48740173	+	1.27E-15	2.1415E-14	-0.20383	hypo	sig	chr19_48740173
chr13	1.08E+08	107866036	+	1.27E-15	2.14217E-14	0.246564	hyper	sig	chr13_107866036
chr14	20625874	20625874	+	1.27E-15	2.14264E-14	0.207541	hyper	sig	chr14_20625874
chr15	78764204	78764204	+	1.273E-15	2.14648E-14	-0.23504	hypo	sig	chr15_78764204
chr17	39198516	39198516	+	1.273E-15	2.14694E-14	-0.24968	hypo	sig	chr17_39198516
chr7	1230981	1230981	+	1.273E-15	2.14702E-14	0.241936	hyper	sig	chr7_1230981
chr21	33024175	33024175	+	1.273E-15	2.14739E-14	0.246167	hyper	sig	chr21_33024175
chr12	1.32E+08	132202910	+	1.276E-15	2.15237E-14	-0.25728	hypo	sig	chr12_132202910
chr1	2.25E+08	224618180	+	1.281E-15	2.16014E-14	0.234787	hyper	sig	chr1_224618180

chr2	1E+08	100321122	+	1.282E-15	2.16207E-14	0.219271	hyper	sig	chr2_100321122
chr4	41881145	41881145	+	1.284E-15	2.16484E-14	0.210628	hyper	sig	chr4_41881145
chr11	34204858	34204858	+	1.285E-15	2.16597E-14	-0.2487	hypo	sig	chr11_34204858
chr2	44944700	44944700	+	1.285E-15	2.16677E-14	0.242458	hyper	sig	chr2_44944700
chr19	3133427	3133427	+	1.286E-15	2.16813E-14	-0.29355	hypo	sig	chr19_3133427
chr4	8410679	8410679	+	1.29E-15	2.17459E-14	-0.23683	hypo	sig	chr4_8410679
chr19	48746878	48746878	+	1.29E-15	2.17479E-14	0.231292	hyper	sig	chr19_48746878
chr7	1242453	1242453	+	1.291E-15	2.17552E-14	0.224329	hyper	sig	chr7_1242453
chr11	20208333	20208333	+	1.293E-15	2.17963E-14	0.253571	hyper	sig	chr11_20208333
chr19	52451373	52451373	+	1.295E-15	2.1833E-14	0.275559	hyper	sig	chr19_52451373
chr7	65771316	65771316	+	1.297E-15	2.18616E-14	-0.281	hypo	sig	chr7_65771316
chr5	1.69E+08	168530044	+	1.298E-15	2.18765E-14	0.224097	hyper	sig	chr5_168530044
chr22	48671219	48671219	+	1.3E-15	2.19001E-14	-0.23145	hypo	sig	chr22_48671219
chr12	52233552	52233552	+	1.3E-15	2.19095E-14	0.219224	hyper	sig	chr12_52233552
chr1	18109077	18109077	+	1.304E-15	2.19628E-14	0.204038	hyper	sig	chr1_18109077
chr21	26572748	26572748	+	1.305E-15	2.19936E-14	0.272184	hyper	sig	chr21_26572748
chr12	34379167	34379167	+	1.306E-15	2.20021E-14	-0.2187	hypo	sig	chr12_34379167
chr6	41560759	41560759	+	1.308E-15	2.2034E-14	0.218374	hyper	sig	chr6_41560759
chr17	41625904	41625904	+	1.313E-15	2.21151E-14	-0.26994	hypo	sig	chr17_41625904
chr5	1.39E+08	139393615	+	1.317E-15	2.21847E-14	0.224846	hyper	sig	chr5_139393615
chr14	99974912	99974912	+	1.318E-15	2.22037E-14	-0.31207	hypo	sig	chr14_99974912
chr13	78608016	78608016	+	1.319E-15	2.22151E-14	0.244346	hyper	sig	chr13_78608016
chr10	1.34E+08	133649086	+	1.32E-15	2.22334E-14	0.272935	hyper	sig	chr10_133649086
chr3	39279958	39279958	+	1.322E-15	2.22571E-14	-0.2308	hypo	sig	chr3_39279958
chr4	1.72E+08	171813517	+	1.324E-15	2.23011E-14	0.306801	hyper	sig	chr4_171813517
chr17	7740866	7740866	+	1.327E-15	2.234E-14	-0.25574	hypo	sig	chr17_7740866
chr9	1.32E+08	132482502	+	1.331E-15	2.2406E-14	-0.31751	hypo	sig	chr9_132482502
chr11	1.23E+08	122977387	+	1.333E-15	2.24361E-14	0.245384	hyper	sig	chr11_122977387
chr13	1.12E+08	111584565	+	1.333E-15	2.24382E-14	-0.27749	hypo	sig	chr13_111584565
chr3	1.41E+08	141100823	+	1.336E-15	2.24834E-14	-0.32699	hypo	sig	chr3_141100823
chr5	1.41E+08	141491645	+	1.341E-15	2.25733E-14	0.218329	hyper	sig	chr5_141491645
chr2	2.32E+08	231662747	+	1.342E-15	2.25845E-14	-0.22725	hypo	sig	chr2_231662747
chr3	27728605	27728605	+	1.342E-15	2.25881E-14	0.205848	hyper	sig	chr3_27728605
chr5	1.46E+08	146342998	+	1.343E-15	2.26124E-14	0.216871	hyper	sig	chr5_146342998
chr5	1.42E+08	141512749	+	1.347E-15	2.26672E-14	0.230961	hyper	sig	chr5_141512749
chr11	20598743	20598743	+	1.347E-15	2.26704E-14	0.254421	hyper	sig	chr11_20598743
chr11	829124	829124	+	1.349E-15	2.26945E-14	-0.23649	hypo	sig	chr11_829124
chr11	20161601	20161601	+	1.349E-15	2.27066E-14	0.230304	hyper	sig	chr11_20161601
chr15	74383890	74383890	+	1.35E-15	2.2717E-14	-0.33411	hypo	sig	chr15_74383890
chr13	91399519	91399519	+	1.351E-15	2.27273E-14	0.204662	hyper	sig	chr13_91399519
chr8	1.42E+08	141522103	+	1.36E-15	2.28828E-14	-0.22744	hypo	sig	chr8_141522103
chr3	1.29E+08	128553880	+	1.36E-15	2.28861E-14	-0.20648	hypo	sig	chr3_128553880
chr20	46011692	46011692	+	1.363E-15	2.29223E-14	0.287863	hyper	sig	chr20_46011692
chr7	1567815	1567815	+	1.363E-15	2.2928E-14	-0.21332	hypo	sig	chr7_1567815
chr11	1.19E+08	119470525	+	1.363E-15	2.293E-14	-0.22062	hypo	sig	chr11_119470525
chr9	1.34E+08	133810029	+	1.365E-15	2.29655E-14	-0.20673	hypo	sig	chr9_133810029
chr3	1.93E+08	193241583	+	1.368E-15	2.30068E-14	0.224808	hyper	sig	chr3_193241583
chr14	26205003	26205003	+	1.369E-15	2.30226E-14	0.233418	hyper	sig	chr14_26205003
chr5	77638473	77638473	+	1.37E-15	2.30451E-14	0.255842	hyper	sig	chr5_77638473
chr10	1.03E+08	103277948	+	1.372E-15	2.307E-14	0.244695	hyper	sig	chr10_103277948
chr8	70072682	70072682	+	1.373E-15	2.3086E-14	0.21188	hyper	sig	chr8_70072682
chr1	1.21E+08	121117228	+	1.373E-15	2.30869E-14	0.318082	hyper	sig	chr1_121117228
chr1	2.1E+08	209937870	+	1.376E-15	2.31351E-14	0.252668	hyper	sig	chr1_209937870
chr11	1918361	1918361	+	1.377E-15	2.31462E-14	-0.2127	hypo	sig	chr11_1918361
chr19	14085606	14085606	+	1.377E-15	2.31489E-14	0.213236	hyper	sig	chr19_14085606
chr1	2025883	2025883	+	1.378E-15	2.31734E-14	0.217041	hyper	sig	chr1_2025883

chr6	40378296	40378296	+	1.381E-15	2.32141E-14	-0.23407	hypo	sig	chr6_40378296
chr8	41834249	41834249	+	1.386E-15	2.32993E-14	-0.24643	hypo	sig	chr8_41834249
chr16	31569643	31569643	+	1.386E-15	2.32998E-14	0.282917	hyper	sig	chr16_31569643
chr17	48582662	48582662	+	1.391E-15	2.33778E-14	-0.22365	hypo	sig	chr17_48582662
chr19	33235871	33235871	+	1.391E-15	2.33876E-14	-0.20757	hypo	sig	chr19_33235871
chr15	74134058	74134058	+	1.393E-15	2.34121E-14	0.264667	hyper	sig	chr15_74134058
chr2	2.28E+08	228181920	+	1.393E-15	2.34192E-14	0.266556	hyper	sig	chr2_228181920
chr10	22476716	22476716	+	1.395E-15	2.34465E-14	0.21279	hyper	sig	chr10_22476716
chr20	46011866	46011866	+	1.395E-15	2.34465E-14	0.314292	hyper	sig	chr20_46011866
chr7	1.35E+08	134890520	+	1.395E-15	2.345E-14	-0.2058	hypo	sig	chr7_134890520
chr16	62035886	62035886	+	1.396E-15	2.34606E-14	0.269397	hyper	sig	chr16_62035886
chr2	1.27E+08	126656772	+	1.397E-15	2.34714E-14	0.247763	hyper	sig	chr2_126656772
chr1	2.29E+08	229407303	+	1.398E-15	2.3499E-14	0.222207	hyper	sig	chr1_229407303
chr9	97077387	97077387	+	1.405E-15	2.3605E-14	0.289919	hyper	sig	chr9_97077387
chr5	1.71E+08	170501856	+	1.406E-15	2.36273E-14	-0.28161	hypo	sig	chr5_170501856
chr17	76000099	76000099	+	1.408E-15	2.36544E-14	-0.23122	hypo	sig	chr17_76000099
chr18	5894666	5894666	+	1.409E-15	2.3668E-14	0.200822	hyper	sig	chr18_5894666
chr1	2.28E+08	228158339	+	1.41E-15	2.36848E-14	0.230456	hyper	sig	chr1_228158339
chr1	1.57E+08	156647000	+	1.411E-15	2.36986E-14	0.208187	hyper	sig	chr1_156647000
chr19	12156318	12156318	+	1.411E-15	2.3703E-14	0.303483	hyper	sig	chr19_12156318
chr9	19789446	19789446	+	1.413E-15	2.37389E-14	0.240821	hyper	sig	chr9_19789446
chr1	2.03E+08	203185251	+	1.425E-15	2.39303E-14	-0.20066	hypo	sig	chr1_203185251
chr6	29790866	29790866	+	1.426E-15	2.39506E-14	-0.34562	hypo	sig	chr6_29790866
chr19	6479656	6479656	+	1.427E-15	2.39556E-14	-0.3139	hypo	sig	chr19_6479656
chr6	1.27E+08	127120614	+	1.427E-15	2.39556E-14	0.203383	hyper	sig	chr6_127120614
chr5	1.29E+08	128965795	+	1.428E-15	2.39703E-14	0.223324	hyper	sig	chr5_128965795
chr6	1.7E+08	170076902	+	1.428E-15	2.39709E-14	-0.21396	hypo	sig	chr6_170076902
chr12	1.06E+08	106139994	+	1.429E-15	2.39914E-14	0.202529	hyper	sig	chr12_106139994
chr11	15114555	15114555	+	1.431E-15	2.40194E-14	0.2406	hyper	sig	chr11_15114555
chr1	2.1E+08	209937867	+	1.431E-15	2.4027E-14	0.25144	hyper	sig	chr1_209937867
chr10	774569	774569	+	1.434E-15	2.4068E-14	-0.20509	hypo	sig	chr10_774569
chr2	94857353	94857353	+	1.434E-15	2.40757E-14	0.218072	hyper	sig	chr2_94857353
chr6	1E+08	100449508	+	1.435E-15	2.40813E-14	0.222002	hyper	sig	chr6_100449508
chr7	44067905	44067905	+	1.436E-15	2.40947E-14	-0.20725	hypo	sig	chr7_44067905
chr11	20207988	20207988	+	1.436E-15	2.40984E-14	0.220403	hyper	sig	chr11_20207988
chr11	32430697	32430697	+	1.436E-15	2.41047E-14	0.246638	hyper	sig	chr11_32430697
chr19	35350660	35350660	+	1.438E-15	2.41252E-14	-0.30134	hypo	sig	chr19_35350660
chr2	2.41E+08	240520085	+	1.439E-15	2.4156E-14	0.231028	hyper	sig	chr2_240520085
chr1	50416355	50416355	+	1.441E-15	2.41764E-14	0.290557	hyper	sig	chr1_50416355
chr3	1.28E+08	128497352	+	1.441E-15	2.41818E-14	0.222627	hyper	sig	chr3_128497352
chr7	1.03E+08	103149959	+	1.443E-15	2.42137E-14	-0.24093	hypo	sig	chr7_103149959
chr4	13527510	13527510	+	1.446E-15	2.42631E-14	0.208143	hyper	sig	chr4_13527510
chr8	1.09E+08	108786938	+	1.45E-15	2.43332E-14	0.208418	hyper	sig	chr8_108786938
chr21	30396330	30396330	+	1.453E-15	2.43798E-14	-0.20936	hypo	sig	chr21_30396330
chr10	31940982	31940982	+	1.454E-15	2.43992E-14	-0.26423	hypo	sig	chr10_31940982
chr2	2.06E+08	206444281	+	1.455E-15	2.44047E-14	0.231063	hyper	sig	chr2_206444281
chr19	55366014	55366014	+	1.455E-15	2.44106E-14	-0.24252	hypo	sig	chr19_55366014
chr3	63278076	63278076	+	1.456E-15	2.44309E-14	0.223518	hyper	sig	chr3_63278076
chr10	13891685	13891685	+	1.456E-15	2.44325E-14	0.234434	hyper	sig	chr10_13891685
chr18	80081753	80081753	+	1.458E-15	2.44579E-14	-0.22392	hypo	sig	chr18_80081753
chr17	48608140	48608140	+	1.459E-15	2.44714E-14	-0.20845	hypo	sig	chr17_48608140
chr19	48966729	48966729	+	1.459E-15	2.4478E-14	-0.22906	hypo	sig	chr19_48966729
chr3	22372469	22372469	+	1.46E-15	2.4487E-14	0.320337	hyper	sig	chr3_22372469
chr14	56810058	56810058	+	1.465E-15	2.45752E-14	0.245015	hyper	sig	chr14_56810058
chr5	51377896	51377896	+	1.468E-15	2.46234E-14	0.205211	hyper	sig	chr5_51377896
chr3	1.58E+08	158102879	+	1.47E-15	2.46548E-14	0.227099	hyper	sig	chr3_158102879

chr10	86263310	86263310	+	1.472E-15	2.46876E-14	0.238398	hyper	sig	chr10_86263310
chr5	3597548	3597548	+	1.478E-15	2.47798E-14	0.227406	hyper	sig	chr5_3597548
chr19	12195054	12195054	+	1.485E-15	2.49028E-14	0.259767	hyper	sig	chr19_12195054
chr9	91157053	91157053	+	1.486E-15	2.49182E-14	-0.24658	hypo	sig	chr9_91157053
chr19	28794156	28794156	+	1.486E-15	2.49189E-14	0.224298	hyper	sig	chr19_28794156
chr4	54102084	54102084	+	1.488E-15	2.49415E-14	0.209286	hyper	sig	chr4_54102084
chr3	42265482	42265482	+	1.489E-15	2.49589E-14	0.247119	hyper	sig	chr3_42265482
chr16	84032607	84032607	+	1.49E-15	2.49747E-14	-0.2588	hypo	sig	chr16_84032607
chr16	85697607	85697607	+	1.492E-15	2.5002E-14	-0.22951	hypo	sig	chr16_85697607
chr11	1.24E+08	123551219	+	1.494E-15	2.50456E-14	-0.26017	hypo	sig	chr11_123551219
chr19	53058150	53058150	+	1.495E-15	2.50618E-14	0.235189	hyper	sig	chr19_53058150
chr1	28811650	28811650	+	1.497E-15	2.50945E-14	-0.215	hypo	sig	chr1_28811650
chr2	29920146	29920146	+	1.498E-15	2.51104E-14	0.256892	hyper	sig	chr2_29920146
chr17	58667023	58667023	+	1.501E-15	2.51563E-14	-0.23494	hypo	sig	chr17_58667023
chr2	20106837	20106837	+	1.505E-15	2.52226E-14	0.250826	hyper	sig	chr2_20106837
chr6	50851270	50851270	+	1.507E-15	2.52537E-14	0.213707	hyper	sig	chr6_50851270
chr1	46544459	46544459	+	1.509E-15	2.52895E-14	0.250131	hyper	sig	chr1_46544459
chr2	74516537	74516537	+	1.51E-15	2.5296E-14	0.271649	hyper	sig	chr2_74516537
chr9	19788412	19788412	+	1.511E-15	2.53101E-14	0.345716	hyper	sig	chr9_19788412
chr19	12752743	12752743	+	1.512E-15	2.53287E-14	-0.30634	hypo	sig	chr19_12752743
chr20	58149943	58149943	+	1.512E-15	2.53351E-14	-0.22599	hypo	sig	chr20_58149943
chr1	2205868	2205868	+	1.514E-15	2.53566E-14	-0.29073	hypo	sig	chr1_2205868
chr19	815067	815067	+	1.519E-15	2.54441E-14	-0.27748	hypo	sig	chr19_815067
chr19	33625471	33625471	+	1.52E-15	2.54503E-14	-0.22317	hypo	sig	chr19_33625471
chr5	3599532	3599532	+	1.521E-15	2.54702E-14	0.261456	hyper	sig	chr5_3599532
chr17	44761207	44761207	+	1.521E-15	2.54715E-14	-0.2366	hypo	sig	chr17_44761207
chr13	78607305	78607305	+	1.525E-15	2.55321E-14	0.203411	hyper	sig	chr13_78607305
chr1	17522246	17522246	+	1.525E-15	2.55356E-14	-0.20471	hypo	sig	chr1_17522246
chr3	1.35E+08	134793555	+	1.526E-15	2.55442E-14	-0.33002	hypo	sig	chr3_134793555
chr5	80958081	80958081	+	1.527E-15	2.55735E-14	-0.28083	hypo	sig	chr5_80958081
chr5	1.41E+08	141234534	+	1.528E-15	2.55819E-14	0.229402	hyper	sig	chr5_141234534
chr10	1.34E+08	133528062	+	1.528E-15	2.55874E-14	0.22939	hyper	sig	chr10_133528062
chr4	87846465	87846465	+	1.529E-15	2.55915E-14	-0.21418	hypo	sig	chr4_87846465
chr19	9498301	9498301	+	1.529E-15	2.56018E-14	0.247695	hyper	sig	chr19_9498301
chr17	82311226	82311226	+	1.529E-15	2.56039E-14	-0.21313	hypo	sig	chr17_82311226
chr7	2932425	2932425	+	1.529E-15	2.56039E-14	-0.27866	hypo	sig	chr7_2932425
chr2	1.3E+08	130037086	+	1.53E-15	2.56212E-14	0.251234	hyper	sig	chr2_130037086
chr19	19211989	19211989	+	1.531E-15	2.56238E-14	0.212658	hyper	sig	chr19_19211989
chr12	53985291	53985291	+	1.533E-15	2.56674E-14	0.233241	hyper	sig	chr12_53985291
chr12	1.29E+08	128854296	+	1.535E-15	2.5695E-14	0.245495	hyper	sig	chr12_128854296
chr1	1.47E+08	147073305	+	1.545E-15	2.58528E-14	0.201409	hyper	sig	chr1_147073305
chr7	41965346	41965346	+	1.546E-15	2.58765E-14	-0.22223	hypo	sig	chr7_41965346
chr2	2.42E+08	241645907	+	1.549E-15	2.59197E-14	0.225317	hyper	sig	chr2_241645907
chr21	45642609	45642609	+	1.549E-15	2.59293E-14	0.269391	hyper	sig	chr21_45642609
chr11	1.29E+08	128695273	+	1.55E-15	2.59397E-14	0.216525	hyper	sig	chr11_128695273
chr3	1.41E+08	141069671	+	1.551E-15	2.59476E-14	-0.22672	hypo	sig	chr3_141069671
chr9	1.34E+08	133673276	+	1.551E-15	2.59531E-14	-0.20462	hypo	sig	chr9_133673276
chr6	98844404	98844404	+	1.558E-15	2.60659E-14	0.238518	hyper	sig	chr6_98844404
chr10	11742016	11742016	+	1.56E-15	2.61052E-14	0.203524	hyper	sig	chr10_11742016
chr18	48408174	48408174	+	1.56E-15	2.61069E-14	0.230765	hyper	sig	chr18_48408174
chr3	1.25E+08	125129830	+	1.564E-15	2.61613E-14	-0.25087	hypo	sig	chr3_125129830
chr14	71933398	71933398	+	1.572E-15	2.63066E-14	0.216706	hyper	sig	chr14_71933398
chr13	91175063	91175063	+	1.573E-15	2.63106E-14	0.329945	hyper	sig	chr13_91175063
chr11	68683150	68683150	+	1.576E-15	2.6365E-14	-0.214	hypo	sig	chr11_68683150
chr5	59892449	59892449	+	1.576E-15	2.63716E-14	0.284237	hyper	sig	chr5_59892449
chr22	38798038	38798038	+	1.577E-15	2.63838E-14	-0.23069	hypo	sig	chr22_38798038

chr9	98709594	98709594	+	1.578E-15	2.63912E-14	0.228074	hyper	sig	chr9_98709594
chr1	1.1E+08	109668303	+	1.578E-15	2.6392E-14	0.335333	hyper	sig	chr1_109668303
chr19	35302596	35302596	+	1.581E-15	2.64421E-14	-0.21628	hypo	sig	chr19_35302596
chr1	46452582	46452582	+	1.583E-15	2.64715E-14	-0.20099	hypo	sig	chr1_46452582
chr16	3950530	3950530	+	1.584E-15	2.64883E-14	-0.2163	hypo	sig	chr16_3950530
chr12	1.08E+08	107775210	+	1.584E-15	2.64947E-14	0.240419	hyper	sig	chr12_107775210
chr7	30136541	30136541	+	1.586E-15	2.65239E-14	0.226699	hyper	sig	chr7_30136541
chr19	17377580	17377580	+	1.586E-15	2.6524E-14	-0.24128	hypo	sig	chr19_17377580
chr18	59311809	59311809	+	1.592E-15	2.66169E-14	-0.21981	hypo	sig	chr18_59311809
chr14	1.06E+08	105687081	+	1.592E-15	2.66218E-14	-0.21188	hypo	sig	chr14_105687081
chr14	56810389	56810389	+	1.593E-15	2.66322E-14	0.232438	hyper	sig	chr14_56810389
chr7	2606878	2606878	+	1.595E-15	2.66618E-14	-0.20741	hypo	sig	chr7_2606878
chr13	24931993	24931993	+	1.595E-15	2.66651E-14	0.218787	hyper	sig	chr13_24931993
chr1	2.28E+08	228446564	+	1.596E-15	2.66839E-14	0.253156	hyper	sig	chr1_228446564
chr6	1.68E+08	167706456	+	1.6E-15	2.67559E-14	-0.2105	hypo	sig	chr6_167706456
chr1	2.05E+08	205069856	+	1.602E-15	2.67753E-14	-0.20545	hypo	sig	chr1_205069856
chr2	88169828	88169828	+	1.605E-15	2.68274E-14	-0.28227	hypo	sig	chr2_88169828
chr11	637493	637493	+	1.606E-15	2.68476E-14	0.215869	hyper	sig	chr11_637493
chr2	74515696	74515696	+	1.608E-15	2.68703E-14	0.30901	hyper	sig	chr2_74515696
chr12	1.32E+08	132320373	+	1.609E-15	2.68884E-14	-0.28176	hypo	sig	chr12_132320373
chr10	28808007	28808007	+	1.611E-15	2.69266E-14	0.275566	hyper	sig	chr10_28808007
chr5	1.78E+08	177502482	+	1.612E-15	2.69466E-14	-0.23935	hypo	sig	chr5_177502482
chr4	1.9E+08	190018102	+	1.614E-15	2.69679E-14	0.221403	hyper	sig	chr4_190018102
chr16	49484200	49484200	+	1.618E-15	2.70353E-14	0.213673	hyper	sig	chr16_49484200
chr19	22138898	22138898	+	1.618E-15	2.70392E-14	-0.24675	hypo	sig	chr19_22138898
chr3	44021912	44021912	+	1.622E-15	2.71048E-14	0.202937	hyper	sig	chr3_44021912
chr3	1.33E+08	133038023	+	1.625E-15	2.71576E-14	0.20959	hyper	sig	chr3_133038023
chr10	75408740	75408740	+	1.626E-15	2.71744E-14	0.247025	hyper	sig	chr10_75408740
chr15	29688726	29688726	+	1.628E-15	2.71981E-14	-0.23746	hypo	sig	chr15_29688726
chr16	85642806	85642806	+	1.628E-15	2.72016E-14	-0.20564	hypo	sig	chr16_85642806
chr1	6145358	6145358	+	1.629E-15	2.72092E-14	-0.20784	hypo	sig	chr1_6145358
chr19	53058740	53058740	+	1.63E-15	2.72204E-14	0.29415	hyper	sig	chr19_53058740
chr4	41873585	41873585	+	1.63E-15	2.72291E-14	0.309326	hyper	sig	chr4_41873585
chr22	43891593	43891593	+	1.634E-15	2.73003E-14	0.226405	hyper	sig	chr22_43891593
chr17	7739872	7739872	+	1.635E-15	2.7308E-14	-0.2907	hypo	sig	chr17_7739872
chr22	43414365	43414365	+	1.636E-15	2.73256E-14	-0.26236	hypo	sig	chr22_43414365
chr20	63494864	63494864	+	1.636E-15	2.73333E-14	-0.21339	hypo	sig	chr20_63494864
chr22	45889805	45889805	+	1.638E-15	2.7358E-14	0.21329	hyper	sig	chr22_45889805
chr20	21103726	21103726	+	1.639E-15	2.73722E-14	0.281291	hyper	sig	chr20_21103726
chr5	77785384	77785384	+	1.643E-15	2.74317E-14	-0.20374	hypo	sig	chr5_77785384
chr1	20552242	20552242	+	1.643E-15	2.74317E-14	0.282229	hyper	sig	chr1_20552242
chr7	1242446	1242446	+	1.646E-15	2.74791E-14	0.235546	hyper	sig	chr7_1242446
chr20	45297874	45297874	+	1.646E-15	2.74916E-14	-0.32359	hypo	sig	chr20_45297874
chr17	58667008	58667008	+	1.646E-15	2.74919E-14	-0.23723	hypo	sig	chr17_58667008
chr5	63961727	63961727	+	1.647E-15	2.74968E-14	0.249034	hyper	sig	chr5_63961727
chr16	7304365	7304365	+	1.649E-15	2.75407E-14	0.233438	hyper	sig	chr16_7304365
chr2	38073688	38073688	+	1.654E-15	2.76231E-14	0.204192	hyper	sig	chr2_38073688
chr22	36567018	36567018	+	1.655E-15	2.76299E-14	-0.31685	hypo	sig	chr22_36567018
chr19	41026043	41026043	+	1.656E-15	2.7645E-14	0.200798	hyper	sig	chr19_41026043
chr15	95327211	95327211	+	1.657E-15	2.76587E-14	0.252504	hyper	sig	chr15_95327211
chr1	71046802	71046802	+	1.658E-15	2.76803E-14	0.20885	hyper	sig	chr1_71046802
chr9	93953866	93953866	+	1.66E-15	2.77167E-14	0.21764	hyper	sig	chr9_93953866
chr9	1.19E+08	119369177	+	1.662E-15	2.77429E-14	0.260663	hyper	sig	chr9_119369177
chr14	56797296	56797296	+	1.662E-15	2.77475E-14	0.202613	hyper	sig	chr14_56797296
chr6	27291258	27291258	+	1.664E-15	2.77678E-14	0.218649	hyper	sig	chr6_27291258
chr8	11709383	11709383	+	1.664E-15	2.77678E-14	0.288944	hyper	sig	chr8_11709383

chr9	118081	118081	+	1.664E-15	2.77782E-14	0.280042	hyper	sig	chr9_118081
chr10	1.32E+08	131981077	+	1.665E-15	2.77954E-14	0.202032	hyper	sig	chr10_131981077
chr16	4769344	4769344	+	1.666E-15	2.78043E-14	-0.2035	hypo	sig	chr16_4769344
chr17	19580351	19580351	+	1.667E-15	2.78257E-14	0.201537	hyper	sig	chr17_19580351
chr2	31581146	31581146	+	1.668E-15	2.78394E-14	0.226655	hyper	sig	chr2_31581146
chr3	1.26E+08	125698566	+	1.669E-15	2.78566E-14	-0.21647	hypo	sig	chr3_125698566
chr2	1.35E+08	134717906	+	1.672E-15	2.78988E-14	0.272537	hyper	sig	chr2_134717906
chr11	94401520	94401520	+	1.673E-15	2.79103E-14	0.218973	hyper	sig	chr11_94401520
chr10	70256453	70256453	+	1.675E-15	2.79411E-14	-0.20498	hypo	sig	chr10_70256453
chr15	33311761	33311761	+	1.676E-15	2.79577E-14	0.232358	hyper	sig	chr15_33311761
chr2	2.36E+08	236236751	+	1.679E-15	2.80101E-14	0.226165	hyper	sig	chr2_236236751
chr7	1.54E+08	153749121	+	1.684E-15	2.80916E-14	0.219803	hyper	sig	chr7_153749121
chr2	73292215	73292215	+	1.686E-15	2.81211E-14	0.217367	hyper	sig	chr2_73292215
chr4	9505865	9505865	+	1.689E-15	2.81805E-14	-0.24681	hypo	sig	chr4_9505865
chr11	1333671	1333671	+	1.692E-15	2.82275E-14	-0.21281	hypo	sig	chr11_1333671
chr9	85743826	85743826	+	1.694E-15	2.82547E-14	-0.29256	hypo	sig	chr9_85743826
chr7	73978651	73978651	+	1.694E-15	2.82601E-14	-0.21025	hypo	sig	chr7_73978651
chr8	1.42E+08	142335452	+	1.696E-15	2.82787E-14	-0.21542	hypo	sig	chr8_142335452
chr12	54090587	54090587	+	1.696E-15	2.82798E-14	0.228165	hyper	sig	chr12_54090587
chr19	43465562	43465562	+	1.697E-15	2.83069E-14	-0.2274	hypo	sig	chr19_43465562
chr7	1.22E+08	122307070	+	1.7E-15	2.83468E-14	0.200529	hyper	sig	chr7_122307070
chr2	6770387	6770387	+	1.702E-15	2.83853E-14	-0.20664	hypo	sig	chr2_6770387
chr17	77801083	77801083	+	1.703E-15	2.8401E-14	-0.20238	hypo	sig	chr17_77801083
chr11	2302042	2302042	+	1.709E-15	2.85025E-14	-0.23023	hypo	sig	chr11_2302042
chr15	39796875	39796875	+	1.714E-15	2.85714E-14	-0.27596	hypo	sig	chr15_39796875
chr9	1.38E+08	137785884	+	1.717E-15	2.86295E-14	-0.22819	hypo	sig	chr9_137785884
chr9	1.3E+08	129675786	+	1.718E-15	2.86376E-14	-0.2405	hypo	sig	chr9_129675786
chr7	1.01E+08	101362703	+	1.718E-15	2.86408E-14	0.235075	hyper	sig	chr7_101362703
chr12	1.25E+08	125219273	+	1.72E-15	2.86698E-14	-0.21678	hypo	sig	chr12_125219273
chr7	1.28E+08	128201723	+	1.722E-15	2.86946E-14	0.222999	hyper	sig	chr7_128201723
chr22	50447224	50447224	+	1.724E-15	2.87256E-14	-0.20534	hypo	sig	chr22_50447224
chr2	29920109	29920109	+	1.727E-15	2.87842E-14	0.286074	hyper	sig	chr2_29920109
chr15	96366201	96366201	+	1.734E-15	2.8895E-14	0.202541	hyper	sig	chr15_96366201
chr5	79069802	79069802	+	1.74E-15	2.8989E-14	0.268217	hyper	sig	chr5_79069802
chr6	1.08E+08	108161642	+	1.742E-15	2.90184E-14	0.211023	hyper	sig	chr6_108161642
chr8	1.43E+08	142775069	+	1.746E-15	2.90929E-14	-0.25998	hypo	sig	chr8_142775069
chr16	69742429	69742429	+	1.749E-15	2.91295E-14	-0.2211	hypo	sig	chr16_69742429
chr19	50728681	50728681	+	1.752E-15	2.91774E-14	0.283795	hyper	sig	chr19_50728681
chr7	44141019	44141019	+	1.752E-15	2.91778E-14	-0.20272	hypo	sig	chr7_44141019
chr1	1748830	1748830	+	1.753E-15	2.91947E-14	-0.21057	hypo	sig	chr1_1748830
chr7	1.28E+08	128168446	+	1.753E-15	2.91948E-14	0.226849	hyper	sig	chr7_128168446
chr16	1962706	1962706	+	1.756E-15	2.92448E-14	-0.23218	hypo	sig	chr16_1962706
chr5	1.81E+08	180607895	+	1.757E-15	2.92547E-14	-0.25253	hypo	sig	chr5_180607895
chr6	41560744	41560744	+	1.757E-15	2.92607E-14	0.225686	hyper	sig	chr6_41560744
chr3	1.32E+08	131526932	+	1.76E-15	2.93036E-14	0.264981	hyper	sig	chr3_131526932
chr11	1399858	1399858	+	1.764E-15	2.93669E-14	-0.22305	hypo	sig	chr11_1399858
chr2	91443088	91443088	+	1.765E-15	2.93957E-14	0.264637	hyper	sig	chr2_91443088
chr1	1.48E+08	148329093	+	1.766E-15	2.94031E-14	0.202662	hyper	sig	chr1_148329093
chr1	1434299	1434299	+	1.77E-15	2.94719E-14	-0.24941	hypo	sig	chr1_1434299
chr16	1442790	1442790	+	1.77E-15	2.94719E-14	-0.21786	hypo	sig	chr16_1442790
chr12	425790	425790	+	1.77E-15	2.94741E-14	0.237923	hyper	sig	chr12_425790
chr7	1232800	1232800	+	1.774E-15	2.95399E-14	0.233795	hyper	sig	chr7_1232800
chr10	81876615	81876615	+	1.775E-15	2.95436E-14	0.230411	hyper	sig	chr10_81876615
chr16	1482484	1482484	+	1.776E-15	2.95617E-14	-0.2793	hypo	sig	chr16_1482484
chr15	40768136	40768136	+	1.776E-15	2.95632E-14	-0.25927	hypo	sig	chr15_40768136
chr5	1.77E+08	176619161	+	1.776E-15	2.95714E-14	0.261058	hyper	sig	chr5_176619161

chr17	28717630	28717630	+	1.777E-15	2.95854E-14	0.309953	hyper	sig	chr17_28717630
chr19	48745866	48745866	+	1.78E-15	2.96295E-14	0.210953	hyper	sig	chr19_48745866
chr1	1.47E+08	147077597	+	1.781E-15	2.96472E-14	0.250658	hyper	sig	chr1_147077597
chr1	3349351	3349351	+	1.782E-15	2.96587E-14	-0.20726	hypo	sig	chr1_3349351
chr10	86263182	86263182	+	1.782E-15	2.96651E-14	0.203225	hyper	sig	chr10_86263182
chr3	26622757	26622757	+	1.783E-15	2.96708E-14	0.201824	hyper	sig	chr3_26622757
chr5	1946098	1946098	+	1.785E-15	2.97035E-14	-0.26129	hypo	sig	chr5_1946098
chr12	7916110	7916110	+	1.786E-15	2.97253E-14	0.290627	hyper	sig	chr12_7916110
chr9	1.34E+08	133607000	+	1.788E-15	2.97498E-14	-0.25537	hypo	sig	chr9_133607000
chr8	64374025	64374025	+	1.788E-15	2.97499E-14	0.302017	hyper	sig	chr8_64374025
chr12	1.31E+08	130679002	+	1.79E-15	2.97785E-14	-0.24795	hypo	sig	chr12_130679002
chr2	88453303	88453303	+	1.79E-15	2.97785E-14	0.21705	hyper	sig	chr2_88453303
chr1	3122533	3122533	+	1.79E-15	2.97831E-14	-0.25463	hypo	sig	chr1_3122533
chr7	97731940	97731940	+	1.792E-15	2.98122E-14	0.218643	hyper	sig	chr7_97731940
chr20	63547169	63547169	+	1.803E-15	2.99974E-14	-0.20471	hypo	sig	chr20_63547169
chr11	27720463	27720463	+	1.804E-15	3.00054E-14	0.200262	hyper	sig	chr11_27720463
chr2	2.42E+08	241843341	+	1.805E-15	3.00314E-14	-0.21684	hypo	sig	chr2_241843341
chr17	74694400	74694400	+	1.806E-15	3.00495E-14	-0.27062	hypo	sig	chr17_74694400
chr1	2.28E+08	228158391	+	1.808E-15	3.00733E-14	0.230916	hyper	sig	chr1_228158391
chr9	1.02E+08	101595715	+	1.808E-15	3.00804E-14	-0.20282	hypo	sig	chr9_101595715
chr2	10452350	10452350	+	1.813E-15	3.01491E-14	-0.24291	hypo	sig	chr2_10452350
chr5	1.19E+08	119273557	+	1.813E-15	3.01583E-14	-0.25525	hypo	sig	chr5_119273557
chr3	1.28E+08	128497227	+	1.817E-15	3.02106E-14	0.224602	hyper	sig	chr3_128497227
chr16	1002529	1002529	+	1.819E-15	3.02427E-14	-0.22381	hypo	sig	chr16_1002529
chr19	30262552	30262552	+	1.822E-15	3.02972E-14	-0.28243	hypo	sig	chr19_30262552
chr4	7478147	7478147	+	1.822E-15	3.0299E-14	-0.22192	hypo	sig	chr4_7478147
chr2	1422256	1422256	+	1.823E-15	3.03168E-14	-0.20214	hypo	sig	chr2_1422256
chr2	1.19E+08	118843389	+	1.823E-15	3.03168E-14	0.306785	hyper	sig	chr2_118843389
chr1	2.17E+08	217137320	+	1.825E-15	3.0349E-14	0.236119	hyper	sig	chr1_217137320
chr12	53983690	53983690	+	1.826E-15	3.03586E-14	0.204517	hyper	sig	chr12_53983690
chr6	10099221	10099221	+	1.826E-15	3.03612E-14	-0.2258	hypo	sig	chr6_10099221
chr12	54014575	54014575	+	1.829E-15	3.0409E-14	0.20148	hyper	sig	chr12_54014575
chr11	1.23E+08	123195895	+	1.833E-15	3.04744E-14	0.230301	hyper	sig	chr11_123195895
chr17	80792157	80792157	+	1.835E-15	3.05107E-14	-0.22456	hypo	sig	chr17_80792157
chr1	20343386	20343386	+	1.836E-15	3.05158E-14	0.210649	hyper	sig	chr1_20343386
chr5	71446724	71446724	+	1.836E-15	3.0524E-14	-0.29411	hypo	sig	chr5_71446724
chr16	1135398	1135398	+	1.839E-15	3.05688E-14	-0.20099	hypo	sig	chr16_1135398
chr8	1.41E+08	141256191	+	1.839E-15	3.05737E-14	-0.22174	hypo	sig	chr8_141256191
chr4	780537	780537	+	1.842E-15	3.06115E-14	-0.27222	hypo	sig	chr4_780537
chr20	45316791	45316791	+	1.844E-15	3.06542E-14	0.246251	hyper	sig	chr20_45316791
chr5	1.77E+08	176619172	+	1.846E-15	3.06743E-14	0.273572	hyper	sig	chr5_176619172
chr22	43891605	43891605	+	1.846E-15	3.06795E-14	0.210807	hyper	sig	chr22_43891605
chr18	59219798	59219798	+	1.847E-15	3.07005E-14	0.222096	hyper	sig	chr18_59219798
chr4	686597	686597	+	1.849E-15	3.07283E-14	-0.21788	hypo	sig	chr4_686597
chr21	44573412	44573412	+	1.849E-15	3.07305E-14	-0.21802	hypo	sig	chr21_44573412
chr11	44264836	44264836	+	1.849E-15	3.07309E-14	-0.22459	hypo	sig	chr11_44264836
chr12	75207656	75207656	+	1.85E-15	3.07481E-14	0.218693	hyper	sig	chr12_75207656
chr3	75671081	75671081	+	1.857E-15	3.08576E-14	0.210045	hyper	sig	chr3_75671081
chr4	1404101	1404101	+	1.859E-15	3.08941E-14	0.210036	hyper	sig	chr4_1404101
chr5	1.46E+08	146340294	+	1.86E-15	3.09082E-14	0.269401	hyper	sig	chr5_146340294
chr10	23192586	23192586	+	1.862E-15	3.09313E-14	0.248775	hyper	sig	chr10_23192586
chr17	82315396	82315396	+	1.863E-15	3.09506E-14	-0.20652	hypo	sig	chr17_82315396
chr1	1.11E+08	110675617	+	1.863E-15	3.09579E-14	0.24632	hyper	sig	chr1_110675617
chr6	28648586	28648586	+	1.864E-15	3.09609E-14	0.260235	hyper	sig	chr6_28648586
chr11	1388918	1388918	+	1.869E-15	3.10444E-14	0.281657	hyper	sig	chr11_1388918
chr19	52453421	52453421	+	1.873E-15	3.11167E-14	0.247251	hyper	sig	chr19_52453421

chr3	1.28E+08	128493428	+	1.875E-15	3.11347E-14	0.228856	hyper	sig	chr3_128493428
chr6	1.46E+08	146029387	+	1.875E-15	3.11347E-14	0.241734	hyper	sig	chr6_146029387
chr2	869037	869037	+	1.877E-15	3.1164E-14	0.209639	hyper	sig	chr2_869037
chr13	23547319	23547319	+	1.88E-15	3.12161E-14	0.23183	hyper	sig	chr13_23547319
chr6	1.52E+08	151807203	+	1.885E-15	3.1295E-14	0.289453	hyper	sig	chr6_151807203
chr1	38051652	38051652	+	1.886E-15	3.13172E-14	-0.21809	hypo	sig	chr1_38051652
chr17	7739888	7739888	+	1.886E-15	3.13191E-14	-0.27965	hypo	sig	chr17_7739888
chr7	4725203	4725203	+	1.887E-15	3.13337E-14	0.232818	hyper	sig	chr7_4725203
chr19	11482185	11482185	+	1.89E-15	3.13768E-14	0.251893	hyper	sig	chr19_11482185
chr1	1.83E+08	183417102	+	1.891E-15	3.13901E-14	0.2643	hyper	sig	chr1_183417102
chr2	2.32E+08	231528347	+	1.893E-15	3.14264E-14	-0.22246	hypo	sig	chr2_231528347
chr11	92969364	92969364	+	1.894E-15	3.14414E-14	0.230544	hyper	sig	chr11_92969364
chr5	3606919	3606919	+	1.896E-15	3.14738E-14	0.203559	hyper	sig	chr5_3606919
chr13	50844135	50844135	+	1.896E-15	3.14756E-14	-0.3219	hypo	sig	chr13_50844135
chr7	1761919	1761919	+	1.897E-15	3.14813E-14	-0.25145	hypo	sig	chr7_1761919
chr8	1.38E+08	138496553	+	1.897E-15	3.14932E-14	0.207585	hyper	sig	chr8_138496553
chr16	85302273	85302273	+	1.899E-15	3.15194E-14	-0.21348	hypo	sig	chr16_85302273
chr20	17228062	17228062	+	1.904E-15	3.15973E-14	0.233867	hyper	sig	chr20_17228062
chr10	1.32E+08	132489572	+	1.907E-15	3.16441E-14	-0.20633	hypo	sig	chr10_132489572
chr13	51341158	51341158	+	1.908E-15	3.16664E-14	-0.21162	hypo	sig	chr13_51341158
chr3	1.97E+08	197456377	+	1.916E-15	3.17903E-14	-0.24369	hypo	sig	chr3_197456377
chr6	1.5E+08	149546803	+	1.916E-15	3.17903E-14	-0.29115	hypo	sig	chr6_149546803
chr7	4816216	4816216	+	1.916E-15	3.17903E-14	-0.23008	hypo	sig	chr7_4816216
chr7	44067007	44067007	+	1.917E-15	3.18038E-14	-0.26205	hypo	sig	chr7_44067007
chr7	1.5E+08	150047396	+	1.919E-15	3.18389E-14	0.347154	hyper	sig	chr7_150047396
chr4	13535243	13535243	+	1.919E-15	3.18473E-14	0.232616	hyper	sig	chr4_13535243
chr19	16067681	16067681	+	1.92E-15	3.18593E-14	-0.20233	hypo	sig	chr19_16067681
chr5	1.41E+08	141135677	+	1.923E-15	3.19084E-14	0.291509	hyper	sig	chr5_141135677
chr16	89055996	89055996	+	1.926E-15	3.19484E-14	-0.214	hypo	sig	chr16_89055996
chr11	69449956	69449956	+	1.93E-15	3.20183E-14	-0.2418	hypo	sig	chr11_69449956
chr17	80792111	80792111	+	1.93E-15	3.20199E-14	-0.25867	hypo	sig	chr17_80792111
chr13	50132929	50132929	+	1.934E-15	3.20808E-14	0.232874	hyper	sig	chr13_50132929
chr1	52842999	52842999	+	1.935E-15	3.21005E-14	0.213484	hyper	sig	chr1_52842999
chr12	1.03E+08	102824701	+	1.945E-15	3.2266E-14	0.257641	hyper	sig	chr12_102824701
chr7	2993936	2993936	+	1.948E-15	3.23089E-14	-0.20798	hypo	sig	chr7_2993936
chr19	53058217	53058217	+	1.95E-15	3.23321E-14	0.328073	hyper	sig	chr19_53058217
chr2	98937206	98937206	+	1.95E-15	3.23423E-14	0.209537	hyper	sig	chr2_98937206
chr3	1.92E+08	192408836	+	1.956E-15	3.24357E-14	0.20799	hyper	sig	chr3_192408836
chr2	98346487	98346487	+	1.956E-15	3.24358E-14	0.260438	hyper	sig	chr2_98346487
chr7	1.01E+08	101299851	+	1.957E-15	3.24441E-14	0.263723	hyper	sig	chr7_101299851
chr6	30988983	30988983	+	1.958E-15	3.2469E-14	-0.23881	hypo	sig	chr6_30988983
chr1	1.61E+08	161259193	+	1.958E-15	3.247E-14	0.216245	hyper	sig	chr1_161259193
chr7	2567055	2567055	+	1.961E-15	3.25058E-14	0.235311	hyper	sig	chr7_2567055
chr7	33921755	33921755	+	1.963E-15	3.25464E-14	-0.21332	hypo	sig	chr7_33921755
chr17	66676070	66676070	+	1.965E-15	3.2572E-14	-0.20672	hypo	sig	chr17_66676070
chr1	40818178	40818178	+	1.969E-15	3.26385E-14	0.201734	hyper	sig	chr1_40818178
chr7	1742577	1742577	+	1.969E-15	3.26447E-14	-0.23862	hypo	sig	chr7_1742577
chr1	2.28E+08	228158514	+	1.973E-15	3.26992E-14	0.208453	hyper	sig	chr1_228158514
chr16	988171	988171	+	1.974E-15	3.27199E-14	-0.25395	hypo	sig	chr16_988171
chr8	10595386	10595386	+	1.977E-15	3.27739E-14	-0.20608	hypo	sig	chr8_10595386
chr3	62371118	62371118	+	1.979E-15	3.2799E-14	0.274233	hyper	sig	chr3_62371118
chr10	1.29E+08	128886495	+	1.983E-15	3.28614E-14	-0.22167	hypo	sig	chr10_128886495
chr16	562288	562288	+	1.984E-15	3.28813E-14	-0.20083	hypo	sig	chr16_562288
chr8	10595409	10595409	+	1.984E-15	3.28822E-14	-0.20946	hypo	sig	chr8_10595409
chr20	19975170	19975170	+	1.991E-15	3.29949E-14	0.233604	hyper	sig	chr20_19975170
chr2	73291097	73291097	+	1.992E-15	3.30047E-14	0.239214	hyper	sig	chr2_73291097

chr2	1.15E+08	115162336	+	1.992E-15	3.30149E-14	0.222071	hyper	sig	chr2_115162336
chr8	1.4E+08	139914491	+	1.994E-15	3.30378E-14	0.204251	hyper	sig	chr8_139914491
chr2	23616811	23616811	+	1.995E-15	3.30492E-14	-0.20317	hypo	sig	chr2_23616811
chr19	58356254	58356254	+	1.997E-15	3.30793E-14	0.241743	hyper	sig	chr19_58356254
chr8	66963314	66963314	+	1.998E-15	3.31046E-14	0.278835	hyper	sig	chr8_66963314
chr5	1.74E+08	173578654	+	1.999E-15	3.31145E-14	-0.21545	hypo	sig	chr5_173578654
chr12	45611359	45611359	+	2.002E-15	3.31619E-14	0.236913	hyper	sig	chr12_45611359
chr6	1318518	1318518	+	2.003E-15	3.31762E-14	-0.20596	hypo	sig	chr6_1318518
chr5	1.81E+08	180620257	+	2.007E-15	3.3245E-14	-0.20948	hypo	sig	chr5_180620257
chr8	42052906	42052906	+	2.008E-15	3.32567E-14	-0.25447	hypo	sig	chr8_42052906
chr18	6928907	6928907	+	2.008E-15	3.32661E-14	-0.21082	hypo	sig	chr18_6928907
chr19	22532519	22532519	+	2.009E-15	3.32778E-14	0.258714	hyper	sig	chr19_22532519
chr13	29339304	29339304	+	2.013E-15	3.33379E-14	-0.25899	hypo	sig	chr13_29339304
chr17	8057053	8057053	+	2.017E-15	3.34009E-14	-0.3314	hypo	sig	chr17_8057053
chr1	1434628	1434628	+	2.02E-15	3.34574E-14	-0.28586	hypo	sig	chr1_1434628
chr3	1.4E+08	139539084	+	2.021E-15	3.34636E-14	0.227575	hyper	sig	chr3_139539084
chr17	82388946	82388946	+	2.024E-15	3.35183E-14	-0.26095	hypo	sig	chr17_82388946
chr14	1.05E+08	104844345	+	2.027E-15	3.35578E-14	0.24902	hyper	sig	chr14_104844345
chr1	25610177	25610177	+	2.03E-15	3.3613E-14	-0.22986	hypo	sig	chr1_25610177
chr8	1.41E+08	140619387	+	2.03E-15	3.36149E-14	-0.20694	hypo	sig	chr8_140619387
chr1	6466185	6466185	+	2.031E-15	3.36192E-14	0.26116	hyper	sig	chr1_6466185
chr7	5281012	5281012	+	2.031E-15	3.36324E-14	-0.31301	hypo	sig	chr7_5281012
chr18	47264470	47264470	+	2.032E-15	3.36402E-14	0.226572	hyper	sig	chr18_47264470
chr5	1193938	1193938	+	2.035E-15	3.36813E-14	-0.22905	hypo	sig	chr5_1193938
chr5	1.55E+08	154938604	+	2.035E-15	3.36857E-14	-0.27265	hypo	sig	chr5_154938604
chr10	23192614	23192614	+	2.036E-15	3.37115E-14	0.247971	hyper	sig	chr10_23192614
chr21	45257991	45257991	+	2.038E-15	3.37342E-14	-0.20996	hypo	sig	chr21_45257991
chr5	77638534	77638534	+	2.047E-15	3.38768E-14	0.237021	hyper	sig	chr5_77638534
chr13	50127456	50127456	+	2.048E-15	3.38928E-14	0.267086	hyper	sig	chr13_50127456
chr22	24008566	24008566	+	2.048E-15	3.38932E-14	-0.25205	hypo	sig	chr22_24008566
chr12	1.31E+08	131069216	+	2.048E-15	3.38991E-14	-0.20251	hypo	sig	chr12_131069216
chr17	79423418	79423418	+	2.049E-15	3.39059E-14	-0.20986	hypo	sig	chr17_79423418
chr13	1.12E+08	112247723	+	2.051E-15	3.39442E-14	-0.21133	hypo	sig	chr13_112247723
chr11	49561602	49561602	+	2.052E-15	3.39652E-14	0.28592	hyper	sig	chr11_49561602
chr17	62667359	62667359	+	2.057E-15	3.4046E-14	-0.20152	hypo	sig	chr17_62667359
chr4	44447636	44447636	+	2.064E-15	3.41517E-14	0.227438	hyper	sig	chr4_44447636
chr7	96997515	96997515	+	2.065E-15	3.41583E-14	0.294518	hyper	sig	chr7_96997515
chr9	97077397	97077397	+	2.065E-15	3.41651E-14	0.250318	hyper	sig	chr9_97077397
chr20	60087450	60087450	+	2.065E-15	3.41714E-14	0.267926	hyper	sig	chr20_60087450
chr12	1.28E+08	128267748	+	2.066E-15	3.41866E-14	0.201562	hyper	sig	chr12_128267748
chr5	1.51E+08	150946507	+	2.067E-15	3.41963E-14	0.227998	hyper	sig	chr5_150946507
chr19	50728689	50728689	+	2.071E-15	3.42586E-14	0.275524	hyper	sig	chr19_50728689
chr8	54470131	54470131	+	2.073E-15	3.43007E-14	0.253264	hyper	sig	chr8_54470131
chr12	42145710	42145710	+	2.075E-15	3.43177E-14	-0.27629	hypo	sig	chr12_42145710
chr6	15509195	15509195	+	2.08E-15	3.44038E-14	-0.21135	hypo	sig	chr6_15509195
chr1	39515738	39515738	+	2.08E-15	3.44144E-14	0.228017	hyper	sig	chr1_39515738
chr6	28490451	28490451	+	2.081E-15	3.44201E-14	0.221618	hyper	sig	chr6_28490451
chr7	66199141	66199141	+	2.081E-15	3.44203E-14	-0.31573	hypo	sig	chr7_66199141
chr19	670566	670566	+	2.084E-15	3.44644E-14	-0.20713	hypo	sig	chr19_670566
chr6	1.06E+08	105981343	+	2.084E-15	3.44698E-14	0.228535	hyper	sig	chr6_105981343
chr1	9026526	9026526	+	2.084E-15	3.44706E-14	-0.20416	hypo	sig	chr1_9026526
chr6	1.7E+08	170083347	+	2.088E-15	3.45317E-14	-0.24289	hypo	sig	chr6_170083347
chr17	74890054	74890054	+	2.088E-15	3.45362E-14	-0.23564	hypo	sig	chr17_74890054
chr3	14297421	14297421	+	2.089E-15	3.45438E-14	-0.21488	hypo	sig	chr3_14297421
chr6	1.46E+08	146029415	+	2.097E-15	3.46802E-14	0.227336	hyper	sig	chr6_146029415
chr1	57423040	57423040	+	2.101E-15	3.4731E-14	0.229575	hyper	sig	chr1_57423040

chr3	1.39E+08	138940171	+	2.101E-15	3.47364E-14	0.217078	hyper	sig	chr3_138940171
chr12	19410531	19410531	+	2.106E-15	3.48136E-14	-0.35181	hypo	sig	chr12_19410531
chr6	50725000	50725000	+	2.108E-15	3.4848E-14	0.255772	hyper	sig	chr6_50725000
chr19	12194738	12194738	+	2.108E-15	3.48584E-14	0.219973	hyper	sig	chr19_12194738
chr19	52453978	52453978	+	2.109E-15	3.48721E-14	0.356004	hyper	sig	chr19_52453978
chr7	2699316	2699316	+	2.112E-15	3.49174E-14	-0.2316	hypo	sig	chr7_2699316
chr12	29783101	29783101	+	2.113E-15	3.49322E-14	0.280484	hyper	sig	chr12_29783101
chr6	33080708	33080708	+	2.113E-15	3.49351E-14	0.283852	hyper	sig	chr6_33080708
chr20	18503106	18503106	+	2.115E-15	3.49624E-14	-0.20292	hypo	sig	chr20_18503106
chr17	82387454	82387454	+	2.116E-15	3.49688E-14	-0.21067	hypo	sig	chr17_82387454
chr13	1.1E+08	110129344	+	2.116E-15	3.49726E-14	-0.20283	hypo	sig	chr13_110129344
chr16	56192060	56192060	+	2.12E-15	3.50423E-14	0.210253	hyper	sig	chr16_56192060
chr4	1.6E+08	160481844	+	2.122E-15	3.50756E-14	-0.27252	hypo	sig	chr4_160481844
chr19	52493217	52493217	+	2.123E-15	3.50925E-14	0.282901	hyper	sig	chr19_52493217
chr15	88258317	88258317	+	2.125E-15	3.51201E-14	0.277673	hyper	sig	chr15_88258317
chr20	60966253	60966253	+	2.125E-15	3.51248E-14	-0.24674	hypo	sig	chr20_60966253
chr3	1.29E+08	129343033	+	2.131E-15	3.52171E-14	-0.21478	hypo	sig	chr3_129343033
chr5	73301398	73301398	+	2.132E-15	3.52207E-14	0.222187	hyper	sig	chr5_73301398
chr8	926199	926199	+	2.135E-15	3.52822E-14	-0.22271	hypo	sig	chr8_926199
chr15	74132751	74132751	+	2.137E-15	3.53113E-14	0.226602	hyper	sig	chr15_74132751
chr4	54094059	54094059	+	2.138E-15	3.53282E-14	0.224666	hyper	sig	chr4_54094059
chr6	29975648	29975648	+	2.138E-15	3.53282E-14	0.246117	hyper	sig	chr6_29975648
chr3	12759303	12759303	+	2.143E-15	3.54E-14	-0.20611	hypo	sig	chr3_12759303
chr15	93086315	93086315	+	2.144E-15	3.5423E-14	-0.25542	hypo	sig	chr15_93086315
chr1	32465722	32465722	+	2.145E-15	3.54305E-14	0.206463	hyper	sig	chr1_32465722
chr6	10418997	10418997	+	2.145E-15	3.54313E-14	0.217225	hyper	sig	chr6_10418997
chr5	1.38E+08	137889353	+	2.149E-15	3.55029E-14	0.266169	hyper	sig	chr5_137889353
chr13	46898294	46898294	+	2.151E-15	3.55248E-14	-0.20984	hypo	sig	chr13_46898294
chr7	2460146	2460146	+	2.153E-15	3.55554E-14	-0.21139	hypo	sig	chr7_2460146
chr4	1.39E+08	139279426	+	2.153E-15	3.55583E-14	0.207919	hyper	sig	chr4_139279426
chr5	1.73E+08	173211194	+	2.153E-15	3.55583E-14	-0.24971	hypo	sig	chr5_173211194
chr7	1.58E+08	157867604	+	2.158E-15	3.56313E-14	-0.25324	hypo	sig	chr7_157867604
chr3	1.27E+08	126704993	+	2.158E-15	3.5634E-14	0.226168	hyper	sig	chr3_126704993
chr16	49277892	49277892	+	2.158E-15	3.56374E-14	0.23635	hyper	sig	chr16_49277892
chr12	52319235	52319235	+	2.158E-15	3.56436E-14	-0.21087	hypo	sig	chr12_52319235
chr15	77630335	77630335	+	2.161E-15	3.56864E-14	-0.22118	hypo	sig	chr15_77630335
chr4	1.5E+08	150256865	+	2.17E-15	3.58337E-14	-0.20991	hypo	sig	chr4_150256865
chr12	53967018	53967018	+	2.172E-15	3.58667E-14	0.216298	hyper	sig	chr12_53967018
chr1	2.21E+08	220884326	+	2.172E-15	3.58693E-14	0.209352	hyper	sig	chr1_220884326
chr8	1.01E+08	101118116	+	2.175E-15	3.59062E-14	-0.29458	hypo	sig	chr8_101118116
chr21	44682942	44682942	+	2.176E-15	3.59256E-14	-0.21914	hypo	sig	chr21_44682942
chr5	493778	493778	+	2.185E-15	3.60635E-14	-0.21279	hypo	sig	chr5_493778
chr10	1.18E+08	117735091	+	2.187E-15	3.60966E-14	0.212888	hyper	sig	chr10_117735091
chr19	53942671	53942671	+	2.188E-15	3.61162E-14	0.298345	hyper	sig	chr19_53942671
chr7	8443939	8443939	+	2.19E-15	3.61464E-14	0.328479	hyper	sig	chr7_8443939
chr4	55157878	55157878	+	2.19E-15	3.61518E-14	0.268704	hyper	sig	chr4_55157878
chr3	13071064	13071064	+	2.19E-15	3.61536E-14	-0.22743	hypo	sig	chr3_13071064
chr19	17682671	17682671	+	2.202E-15	3.63378E-14	-0.26712	hypo	sig	chr19_17682671
chr14	28768271	28768271	+	2.203E-15	3.635E-14	0.247032	hyper	sig	chr14_28768271
chr16	841589	841589	+	2.205E-15	3.63967E-14	-0.22504	hypo	sig	chr16_841589
chr20	56006229	56006229	+	2.207E-15	3.64271E-14	0.229659	hyper	sig	chr20_56006229
chr6	6614172	6614172	+	2.208E-15	3.64301E-14	-0.24376	hypo	sig	chr6_6614172
chr11	1.25E+08	124611322	+	2.21E-15	3.64687E-14	-0.20269	hypo	sig	chr11_124611322
chr19	58118328	58118328	+	2.211E-15	3.64841E-14	0.267776	hyper	sig	chr19_58118328
chr1	3551278	3551278	+	2.218E-15	3.65977E-14	-0.20561	hypo	sig	chr1_3551278
chr7	1.22E+08	121879321	+	2.223E-15	3.66698E-14	-0.30547	hypo	sig	chr7_121879321

chr8	68332211	68332211	+	2.227E-15	3.67323E-14	0.229564	hyper	sig	chr8_68332211
chr16	69742448	69742448	+	2.228E-15	3.67504E-14	-0.20531	hypo	sig	chr16_69742448
chr16	73093527	73093527	+	2.231E-15	3.68007E-14	-0.20178	hypo	sig	chr16_73093527
chr2	1.27E+08	126775634	+	2.239E-15	3.69267E-14	-0.27248	hypo	sig	chr2_126775634
chr6	29975683	29975683	+	2.24E-15	3.69421E-14	0.259499	hyper	sig	chr6_29975683
chr17	45406069	45406069	+	2.24E-15	3.69525E-14	-0.24863	hypo	sig	chr17_45406069
chr4	1.56E+08	155758861	+	2.241E-15	3.69591E-14	0.274105	hyper	sig	chr4_155758861
chr16	88818476	88818476	+	2.245E-15	3.70252E-14	-0.21456	hypo	sig	chr16_88818476
chr1	1555256	1555256	+	2.247E-15	3.70647E-14	-0.20186	hypo	sig	chr1_1555256
chr20	63493586	63493586	+	2.248E-15	3.7069E-14	-0.23081	hypo	sig	chr20_63493586
chr2	38073742	38073742	+	2.249E-15	3.70929E-14	0.211234	hyper	sig	chr2_38073742
chr13	26010144	26010144	+	2.251E-15	3.71226E-14	-0.20293	hypo	sig	chr13_26010144
chr13	22897672	22897672	+	2.254E-15	3.71638E-14	-0.24953	hypo	sig	chr13_22897672
chr3	26622104	26622104	+	2.255E-15	3.71794E-14	0.291498	hyper	sig	chr3_26622104
chr12	1.33E+08	132766774	+	2.255E-15	3.71814E-14	-0.26037	hypo	sig	chr12_132766774
chr3	1.63E+08	162987452	+	2.257E-15	3.72227E-14	-0.20133	hypo	sig	chr3_162987452
chr3	1.72E+08	172450023	+	2.258E-15	3.723E-14	0.206854	hyper	sig	chr3_172450023
chr20	610546	610546	+	2.26E-15	3.72622E-14	0.238965	hyper	sig	chr20_610546
chr19	58350169	58350169	+	2.265E-15	3.73366E-14	0.202048	hyper	sig	chr19_58350169
chr6	90615436	90615436	+	2.267E-15	3.73796E-14	-0.25693	hypo	sig	chr6_90615436
chr17	73748752	73748752	+	2.269E-15	3.74117E-14	-0.27062	hypo	sig	chr17_73748752
chr2	479106	479106	+	2.272E-15	3.74596E-14	-0.25216	hypo	sig	chr2_479106
chr16	2082645	2082645	+	2.274E-15	3.74803E-14	0.206313	hyper	sig	chr16_2082645
chr12	41188215	41188215	+	2.275E-15	3.74954E-14	0.293738	hyper	sig	chr12_41188215
chr3	1.47E+08	147413488	+	2.278E-15	3.75465E-14	0.229027	hyper	sig	chr3_147413488
chr1	2206245	2206245	+	2.285E-15	3.76544E-14	-0.23062	hypo	sig	chr1_2206245
chr7	1.55E+08	155456358	+	2.286E-15	3.76786E-14	0.201302	hyper	sig	chr7_155456358
chr7	64030741	64030741	+	2.286E-15	3.76813E-14	-0.22138	hypo	sig	chr7_64030741
chr20	62378359	62378359	+	2.288E-15	3.77165E-14	-0.21613	hypo	sig	chr20_62378359
chr11	1.34E+08	134030043	+	2.289E-15	3.77285E-14	-0.2875	hypo	sig	chr11_134030043
chr17	38562313	38562313	+	2.292E-15	3.77706E-14	0.217913	hyper	sig	chr17_38562313
chr2	28980364	28980364	+	2.299E-15	3.78918E-14	-0.20815	hypo	sig	chr2_28980364
chr19	13836348	13836348	+	2.305E-15	3.79795E-14	-0.20335	hypo	sig	chr19_13836348
chr19	53058650	53058650	+	2.305E-15	3.79855E-14	0.261019	hyper	sig	chr19_53058650
chr9	1.33E+08	133482398	+	2.308E-15	3.80308E-14	-0.28404	hypo	sig	chr9_133482398
chr10	1.29E+08	128959105	+	2.309E-15	3.80427E-14	-0.25053	hypo	sig	chr10_128959105
chr6	50725049	50725049	+	2.315E-15	3.81435E-14	0.217457	hyper	sig	chr6_50725049
chr14	96625215	96625215	+	2.317E-15	3.81692E-14	-0.21584	hypo	sig	chr14_96625215
chr5	1.76E+08	175869155	+	2.318E-15	3.81861E-14	-0.23402	hypo	sig	chr5_175869155
chr7	97002485	97002485	+	2.32E-15	3.82126E-14	0.212857	hyper	sig	chr7_97002485
chr9	69174751	69174751	+	2.323E-15	3.82656E-14	0.245522	hyper	sig	chr9_69174751
chr14	60507128	60507128	+	2.324E-15	3.82752E-14	0.221765	hyper	sig	chr14_60507128
chr8	1.2E+08	120125415	+	2.324E-15	3.82758E-14	0.209685	hyper	sig	chr8_120125415
chr12	7872952	7872952	+	2.324E-15	3.82841E-14	0.219182	hyper	sig	chr12_7872952
chr22	49670237	49670237	+	2.325E-15	3.82969E-14	0.225814	hyper	sig	chr22_49670237
chr6	10883677	10883677	+	2.326E-15	3.83159E-14	0.283652	hyper	sig	chr6_10883677
chr11	30016265	30016265	+	2.33E-15	3.83762E-14	0.254432	hyper	sig	chr11_30016265
chr22	40679636	40679636	+	2.331E-15	3.83835E-14	0.258034	hyper	sig	chr22_40679636
chr14	28768325	28768325	+	2.331E-15	3.83894E-14	0.219191	hyper	sig	chr14_28768325
chr13	20717920	20717920	+	2.331E-15	3.83921E-14	-0.21074	hypo	sig	chr13_20717920
chr2	1.76E+08	176072790	+	2.338E-15	3.85077E-14	-0.20498	hypo	sig	chr2_176072790
chr11	5929149	5929149	+	2.34E-15	3.85339E-14	-0.26007	hypo	sig	chr11_5929149
chr8	71844475	71844475	+	2.342E-15	3.85594E-14	0.202686	hyper	sig	chr8_71844475
chr7	86643945	86643945	+	2.345E-15	3.86077E-14	0.238945	hyper	sig	chr7_86643945
chr7	1.54E+08	154052812	+	2.345E-15	3.86116E-14	0.26006	hyper	sig	chr7_154052812
chr20	62740249	62740249	+	2.345E-15	3.86134E-14	-0.21137	hypo	sig	chr20_62740249

chr1	52842917	52842917	+	2.355E-15	3.87647E-14	0.227472	hyper	sig	chr1_52842917
chr12	4810467	4810467	+	2.359E-15	3.88336E-14	0.261034	hyper	sig	chr12_4810467
chr6	27275258	27275258	+	2.361E-15	3.88649E-14	0.201651	hyper	sig	chr6_27275258
chr7	1.29E+08	129131582	+	2.364E-15	3.89207E-14	-0.25469	hypo	sig	chr7_129131582
chr2	61889548	61889548	+	2.366E-15	3.89452E-14	-0.39226	hypo	sig	chr2_61889548
chr6	1E+08	100458809	+	2.37E-15	3.901E-14	0.200332	hyper	sig	chr6_100458809
chr11	32439712	32439712	+	2.371E-15	3.90242E-14	0.302183	hyper	sig	chr11_32439712
chr20	19975166	19975166	+	2.378E-15	3.91392E-14	0.237576	hyper	sig	chr20_19975166
chr17	40936802	40936802	+	2.381E-15	3.91802E-14	-0.20673	hypo	sig	chr17_40936802
chr5	10562971	10562971	+	2.383E-15	3.92155E-14	0.235672	hyper	sig	chr5_10562971
chr21	36705259	36705259	+	2.385E-15	3.92388E-14	0.256684	hyper	sig	chr21_36705259
chr1	3188448	3188448	+	2.386E-15	3.92588E-14	-0.20151	hypo	sig	chr1_3188448
chr19	15615063	15615063	+	2.387E-15	3.92724E-14	-0.24293	hypo	sig	chr19_15615063
chr17	7383912	7383912	+	2.387E-15	3.92805E-14	0.209658	hyper	sig	chr17_7383912
chr13	27791683	27791683	+	2.39E-15	3.93161E-14	0.220791	hyper	sig	chr13_27791683
chr13	1.14E+08	113670232	+	2.396E-15	3.9414E-14	-0.21419	hypo	sig	chr13_113670232
chr14	36654573	36654573	+	2.396E-15	3.9414E-14	0.21586	hyper	sig	chr14_36654573
chr19	57888867	57888867	+	2.396E-15	3.94168E-14	0.205427	hyper	sig	chr19_57888867
chr2	1.28E+08	127681740	+	2.399E-15	3.94587E-14	-0.20578	hypo	sig	chr2_127681740
chr12	56511097	56511097	+	2.405E-15	3.95556E-14	-0.28396	hypo	sig	chr12_56511097
chr1	6100083	6100083	+	2.409E-15	3.9614E-14	-0.2254	hypo	sig	chr1_6100083
chr17	21464062	21464062	+	2.418E-15	3.97659E-14	0.212055	hyper	sig	chr17_21464062
chr19	2511675	2511675	+	2.421E-15	3.98167E-14	-0.25966	hypo	sig	chr19_2511675
chr16	565744	565744	+	2.423E-15	3.98351E-14	-0.20131	hypo	sig	chr16_565744
chr11	1085337	1085337	+	2.428E-15	3.99188E-14	-0.23045	hypo	sig	chr11_1085337
chr10	1.04E+08	104322779	+	2.433E-15	4.00012E-14	-0.34011	hypo	sig	chr10_104322779
chr14	1.02E+08	101566939	+	2.434E-15	4.00162E-14	-0.28581	hypo	sig	chr14_101566939
chr8	72251300	72251300	+	2.44E-15	4.01196E-14	0.210717	hyper	sig	chr8_72251300
chr9	971703	971703	+	2.443E-15	4.01524E-14	0.269413	hyper	sig	chr9_971703
chr7	1.57E+08	157020388	+	2.444E-15	4.01673E-14	0.208774	hyper	sig	chr7_157020388
chr8	12380353	12380353	+	2.445E-15	4.01866E-14	-0.20787	hypo	sig	chr8_12380353
chr11	7984596	7984596	+	2.454E-15	4.03321E-14	-0.2659	hypo	sig	chr11_7984596
chr3	28575308	28575308	+	2.454E-15	4.03375E-14	0.272855	hyper	sig	chr3_28575308
chr20	60085926	60085926	+	2.456E-15	4.03657E-14	-0.21105	hypo	sig	chr20_60085926
chr2	1.05E+08	104842677	+	2.458E-15	4.04021E-14	0.237188	hyper	sig	chr2_104842677
chr16	3184199	3184199	+	2.459E-15	4.04075E-14	0.234773	hyper	sig	chr16_3184199
chr10	7531708	7531708	+	2.463E-15	4.04682E-14	-0.25331	hypo	sig	chr10_7531708
chr7	20776633	20776633	+	2.466E-15	4.05161E-14	0.218279	hyper	sig	chr7_20776633
chr15	99006391	99006391	+	2.468E-15	4.05488E-14	-0.27188	hypo	sig	chr15_99006391
chr4	1.47E+08	147480984	+	2.468E-15	4.05566E-14	0.274602	hyper	sig	chr4_147480984
chr2	25167654	25167654	+	2.469E-15	4.05571E-14	0.216149	hyper	sig	chr2_25167654
chr7	79454495	79454495	+	2.471E-15	4.05904E-14	0.266701	hyper	sig	chr7_79454495
chr10	49608985	49608985	+	2.471E-15	4.0599E-14	0.252397	hyper	sig	chr10_49608985
chr5	36692985	36692985	+	2.472E-15	4.06178E-14	0.216316	hyper	sig	chr5_36692985
chr2	203439	203439	+	2.482E-15	4.07778E-14	-0.2389	hypo	sig	chr2_203439
chr7	26620613	26620613	+	2.487E-15	4.08585E-14	-0.20864	hypo	sig	chr7_26620613
chr8	29116941	29116941	+	2.492E-15	4.09407E-14	0.236563	hyper	sig	chr8_29116941
chr5	1.81E+08	180629346	+	2.495E-15	4.09731E-14	-0.21952	hypo	sig	chr5_180629346
chr19	5831829	5831829	+	2.495E-15	4.09871E-14	0.250393	hyper	sig	chr19_5831829
chr6	80070549	80070549	+	2.498E-15	4.10307E-14	-0.22112	hypo	sig	chr6_80070549
chr9	37905133	37905133	+	2.499E-15	4.10482E-14	-0.26093	hypo	sig	chr9_37905133
chr6	28825904	28825904	+	2.507E-15	4.11741E-14	0.206939	hyper	sig	chr6_28825904
chr19	37551329	37551329	+	2.51E-15	4.12127E-14	0.277359	hyper	sig	chr19_37551329
chr19	53255243	53255243	+	2.519E-15	4.13541E-14	0.289716	hyper	sig	chr19_53255243
chr5	1.79E+08	179354541	+	2.519E-15	4.13637E-14	-0.22136	hypo	sig	chr5_179354541
chr11	77039315	77039315	+	2.524E-15	4.14348E-14	-0.38348	hypo	sig	chr11_77039315

chr15	55588987	55588987	+	2.524E-15	4.14424E-14	0.302206	hyper	sig	chr15_55588987
chr22	16602892	16602892	+	2.529E-15	4.15115E-14	0.255178	hyper	sig	chr22_16602892
chr10	86263295	86263295	+	2.53E-15	4.15241E-14	0.233004	hyper	sig	chr10_86263295
chr2	1.45E+08	144524701	+	2.53E-15	4.15352E-14	0.206245	hyper	sig	chr2_144524701
chr14	1.02E+08	101628260	+	2.533E-15	4.15736E-14	0.226675	hyper	sig	chr14_101628260
chr4	52076877	52076877	+	2.533E-15	4.15806E-14	0.221508	hyper	sig	chr4_52076877
chr5	1.56E+08	155729523	+	2.54E-15	4.1688E-14	0.217008	hyper	sig	chr5_155729523
chr10	23203891	23203891	+	2.545E-15	4.17554E-14	0.230376	hyper	sig	chr10_23203891
chr10	1.01E+08	101226182	+	2.548E-15	4.18038E-14	0.203101	hyper	sig	chr10_101226182
chr7	1.54E+08	154052810	+	2.551E-15	4.18537E-14	0.264051	hyper	sig	chr7_154052810
chr12	1.32E+08	132452332	+	2.555E-15	4.1922E-14	-0.21078	hypo	sig	chr12_132452332
chr12	453682	453682	+	2.556E-15	4.19292E-14	-0.21708	hypo	sig	chr12_453682
chr5	2007510	2007510	+	2.559E-15	4.19842E-14	-0.21385	hypo	sig	chr5_2007510
chr6	1.7E+08	170423064	+	2.561E-15	4.20133E-14	0.207452	hyper	sig	chr6_170423064
chr2	1.35E+08	134717882	+	2.569E-15	4.21357E-14	0.260624	hyper	sig	chr2_134717882
chr12	7763775	7763775	+	2.573E-15	4.2198E-14	-0.28984	hypo	sig	chr12_7763775
chr11	20163654	20163654	+	2.574E-15	4.22275E-14	0.211994	hyper	sig	chr11_20163654
chr17	7740783	7740783	+	2.575E-15	4.22411E-14	-0.30288	hypo	sig	chr17_7740783
chr1	3275374	3275374	+	2.582E-15	4.23507E-14	-0.2216	hypo	sig	chr1_3275374
chr11	2141352	2141352	+	2.582E-15	4.23531E-14	0.24303	hyper	sig	chr11_2141352
chr16	86490913	86490913	+	2.588E-15	4.24363E-14	-0.25453	hypo	sig	chr16_86490913
chr19	55087890	55087890	+	2.589E-15	4.24589E-14	0.206115	hyper	sig	chr19_55087890
chr17	82646871	82646871	+	2.592E-15	4.24964E-14	-0.23436	hypo	sig	chr17_82646871
chr1	63320181	63320181	+	2.593E-15	4.25086E-14	0.244229	hyper	sig	chr1_63320181
chr2	1.07E+08	106840399	+	2.594E-15	4.25232E-14	-0.2425	hypo	sig	chr2_106840399
chr2	73291093	73291093	+	2.596E-15	4.25599E-14	0.245146	hyper	sig	chr2_73291093
chr12	1.13E+08	113093654	+	2.608E-15	4.2752E-14	-0.23117	hypo	sig	chr12_113093654
chr6	44295090	44295090	+	2.609E-15	4.27672E-14	-0.22855	hypo	sig	chr6_44295090
chr11	2141315	2141315	+	2.614E-15	4.28394E-14	0.231458	hyper	sig	chr11_2141315
chr5	38845703	38845703	+	2.614E-15	4.2848E-14	0.210227	hyper	sig	chr5_38845703
chr14	56809892	56809892	+	2.615E-15	4.28677E-14	0.262716	hyper	sig	chr14_56809892
chr13	37105874	37105874	+	2.616E-15	4.28821E-14	-0.20015	hypo	sig	chr13_37105874
chr1	2332178	2332178	+	2.618E-15	4.29152E-14	-0.22121	hypo	sig	chr1_2332178
chr2	1.13E+08	113291477	+	2.629E-15	4.30864E-14	0.254845	hyper	sig	chr2_113291477
chr9	1.37E+08	136998061	+	2.634E-15	4.31618E-14	-0.21025	hypo	sig	chr9_136998061
chr16	31569677	31569677	+	2.637E-15	4.32138E-14	0.315661	hyper	sig	chr16_31569677
chr1	1.57E+08	156846046	+	2.638E-15	4.32292E-14	0.210826	hyper	sig	chr1_156846046
chr10	72089067	72089067	+	2.639E-15	4.32355E-14	-0.22729	hypo	sig	chr10_72089067
chr1	1286776	1286776	+	2.641E-15	4.32728E-14	-0.22125	hypo	sig	chr1_1286776
chr7	1.5E+08	149776073	+	2.642E-15	4.32837E-14	-0.22435	hypo	sig	chr7_149776073
chr22	38444384	38444384	+	2.643E-15	4.33097E-14	-0.23404	hypo	sig	chr22_38444384
chr1	1.62E+08	161621414	+	2.644E-15	4.33195E-14	0.202769	hyper	sig	chr1_161621414
chr19	52492574	52492574	+	2.65E-15	4.34076E-14	0.243042	hyper	sig	chr19_52492574
chr19	12513744	12513744	+	2.655E-15	4.34964E-14	0.223308	hyper	sig	chr19_12513744
chr13	1.12E+08	112061286	+	2.662E-15	4.36076E-14	0.203755	hyper	sig	chr13_112061286
chr16	50545160	50545160	+	2.665E-15	4.36452E-14	-0.27911	hypo	sig	chr16_50545160
chr2	1.75E+08	174730469	+	2.667E-15	4.36801E-14	0.238337	hyper	sig	chr2_174730469
chr6	1.42E+08	142088430	+	2.677E-15	4.38389E-14	0.227805	hyper	sig	chr6_142088430
chr19	22259695	22259695	+	2.677E-15	4.38467E-14	-0.26571	hypo	sig	chr19_22259695
chr6	28765884	28765884	+	2.681E-15	4.39083E-14	0.223453	hyper	sig	chr6_28765884
chr12	1.29E+08	128854249	+	2.695E-15	4.41228E-14	0.225516	hyper	sig	chr12_128854249
chr22	30080463	30080463	+	2.699E-15	4.41836E-14	0.222829	hyper	sig	chr22_30080463
chr10	1.32E+08	132202033	+	2.699E-15	4.4186E-14	-0.20269	hypo	sig	chr10_132202033
chr10	1.3E+08	129569288	+	2.701E-15	4.42153E-14	-0.23686	hypo	sig	chr10_129569288
chr7	1.41E+08	140527535	+	2.711E-15	4.43736E-14	-0.24125	hypo	sig	chr7_140527535
chr2	55923926	55923926	+	2.719E-15	4.45064E-14	0.273309	hyper	sig	chr2_55923926

chr2	95025254	95025254	+	2.719E-15	4.45064E-14	0.25888	hyper	sig	chr2_95025254
chr1	1554900	1554900	+	2.72E-15	4.4518E-14	-0.27095	hypo	sig	chr1_1554900
chr19	58350721	58350721	+	2.736E-15	4.47785E-14	0.209358	hyper	sig	chr19_58350721
chr16	62034793	62034793	+	2.739E-15	4.48234E-14	0.282813	hyper	sig	chr16_62034793
chr7	4214681	4214681	+	2.741E-15	4.48495E-14	-0.21129	hypo	sig	chr7_4214681
chr10	1.01E+08	100713383	+	2.745E-15	4.49164E-14	0.210775	hyper	sig	chr10_100713383
chr8	1.38E+08	138496624	+	2.756E-15	4.50795E-14	0.21316	hyper	sig	chr8_138496624
chr6	1.7E+08	170092395	+	2.757E-15	4.51036E-14	-0.26546	hypo	sig	chr6_170092395
chr3	5096037	5096037	+	2.762E-15	4.5171E-14	0.24602	hyper	sig	chr3_5096037
chr2	3601857	3601857	+	2.762E-15	4.51793E-14	-0.24038	hypo	sig	chr2_3601857
chr7	1144655	1144655	+	2.765E-15	4.52198E-14	-0.21941	hypo	sig	chr7_1144655
chr9	1.35E+08	135104456	+	2.768E-15	4.52737E-14	-0.20617	hypo	sig	chr9_135104456
chr11	1.23E+08	123195816	+	2.77E-15	4.53086E-14	0.223015	hyper	sig	chr11_123195816
chr9	1.31E+08	131095052	+	2.77E-15	4.53092E-14	-0.20338	hypo	sig	chr9_131095052
chr13	20946386	20946386	+	2.773E-15	4.53561E-14	0.244473	hyper	sig	chr13_20946386
chr6	1E+08	100448125	+	2.777E-15	4.54108E-14	0.26109	hyper	sig	chr6_100448125
chr17	76944243	76944243	+	2.781E-15	4.54685E-14	-0.20537	hypo	sig	chr17_76944243
chr17	811568	811568	+	2.782E-15	4.54978E-14	-0.21592	hypo	sig	chr17_811568
chr7	1.59E+08	159027785	+	2.786E-15	4.55472E-14	-0.21253	hypo	sig	chr7_159027785
chr17	74927779	74927779	+	2.787E-15	4.55678E-14	-0.26275	hypo	sig	chr17_74927779
chr10	93569629	93569629	+	2.797E-15	4.57195E-14	-0.32867	hypo	sig	chr10_93569629
chr10	99531012	99531012	+	2.797E-15	4.57195E-14	0.274666	hyper	sig	chr10_99531012
chr5	88672855	88672855	+	2.815E-15	4.60143E-14	0.200976	hyper	sig	chr5_88672855
chr14	1.02E+08	101781878	+	2.815E-15	4.60177E-14	0.216935	hyper	sig	chr14_101781878
chr7	1235878	1235878	+	2.819E-15	4.60679E-14	0.278122	hyper	sig	chr7_1235878
chr17	44988560	44988560	+	2.822E-15	4.61198E-14	0.213871	hyper	sig	chr17_44988560
chr1	21814313	21814313	+	2.828E-15	4.62129E-14	0.257535	hyper	sig	chr1_21814313
chr14	50007344	50007344	+	2.829E-15	4.6233E-14	-0.29443	hypo	sig	chr14_50007344
chr18	47262508	47262508	+	2.83E-15	4.62398E-14	0.221594	hyper	sig	chr18_47262508
chr1	53088908	53088908	+	2.838E-15	4.63715E-14	-0.22325	hypo	sig	chr1_53088908
chr8	57214422	57214422	+	2.848E-15	4.65285E-14	-0.22747	hypo	sig	chr8_57214422
chr15	96361612	96361612	+	2.849E-15	4.65506E-14	0.234435	hyper	sig	chr15_96361612
chr8	64371092	64371092	+	2.85E-15	4.65689E-14	0.231441	hyper	sig	chr8_64371092
chr11	2313607	2313607	+	2.869E-15	4.68674E-14	-0.22484	hypo	sig	chr11_2313607
chr1	16859110	16859110	+	2.872E-15	4.69163E-14	-0.23628	hypo	sig	chr1_16859110
chr13	94968743	94968743	+	2.875E-15	4.69626E-14	0.223224	hyper	sig	chr13_94968743
chr10	49613534	49613534	+	2.875E-15	4.6963E-14	0.250797	hyper	sig	chr10_49613534
chr17	48623087	48623087	+	2.886E-15	4.7134E-14	-0.25487	hypo	sig	chr17_48623087
chr19	58055305	58055305	+	2.887E-15	4.71522E-14	0.311884	hyper	sig	chr19_58055305
chr12	75207660	75207660	+	2.894E-15	4.72592E-14	0.213184	hyper	sig	chr12_75207660
chr2	1654500	1654500	+	2.895E-15	4.72746E-14	-0.27732	hypo	sig	chr2_1654500
chr7	1.58E+08	157795753	+	2.899E-15	4.73454E-14	-0.22912	hypo	sig	chr7_157795753
chr19	55087661	55087661	+	2.903E-15	4.73952E-14	0.206745	hyper	sig	chr19_55087661
chr7	1.51E+08	151380529	+	2.904E-15	4.74095E-14	-0.22887	hypo	sig	chr7_151380529
chr13	91399543	91399543	+	2.905E-15	4.74287E-14	0.21726	hyper	sig	chr13_91399543
chr2	38073769	38073769	+	2.907E-15	4.74585E-14	0.234002	hyper	sig	chr2_38073769
chr10	1.19E+08	119114118	+	2.908E-15	4.7474E-14	-0.25414	hypo	sig	chr10_119114118
chr12	63822136	63822136	+	2.917E-15	4.76143E-14	0.245737	hyper	sig	chr12_63822136
chr20	43188443	43188443	+	2.918E-15	4.7633E-14	0.200515	hyper	sig	chr20_43188443
chr7	35259194	35259194	+	2.918E-15	4.76398E-14	0.20964	hyper	sig	chr7_35259194
chr12	70920364	70920364	+	2.923E-15	4.77089E-14	0.222583	hyper	sig	chr12_70920364
chr8	1.4E+08	140238378	+	2.928E-15	4.77965E-14	-0.27981	hypo	sig	chr8_140238378
chr5	1.46E+08	146339420	+	2.934E-15	4.78944E-14	0.234844	hyper	sig	chr5_146339420
chr16	12903645	12903645	+	2.935E-15	4.79058E-14	0.244622	hyper	sig	chr16_12903645
chr12	49087164	49087164	+	2.943E-15	4.80273E-14	0.248596	hyper	sig	chr12_49087164
chr19	55452687	55452687	+	2.947E-15	4.80914E-14	0.294688	hyper	sig	chr19_55452687

chr1	21622988	21622988	+	2.947E-15	4.80936E-14	-0.23098	hypo	sig	chr1_21622988
chr9	1.37E+08	137143988	+	2.954E-15	4.81949E-14	-0.22128	hypo	sig	chr9_137143988
chr12	1.3E+08	130106004	+	2.955E-15	4.82096E-14	0.220179	hyper	sig	chr12_130106004
chr7	38976319	38976319	+	2.955E-15	4.82096E-14	0.204778	hyper	sig	chr7_38976319
chr7	71132528	71132528	+	2.955E-15	4.82183E-14	0.259974	hyper	sig	chr7_71132528
chr8	1.08E+08	108082331	+	2.955E-15	4.82201E-14	0.210626	hyper	sig	chr8_108082331
chr5	33936690	33936690	+	2.963E-15	4.8348E-14	0.227525	hyper	sig	chr5_33936690
chr6	10422107	10422107	+	2.964E-15	4.83588E-14	0.200849	hyper	sig	chr6_10422107
chr5	1.43E+08	143402507	+	2.965E-15	4.83668E-14	0.228423	hyper	sig	chr5_143402507
chr11	1438322	1438322	+	2.97E-15	4.84506E-14	-0.20159	hypo	sig	chr11_1438322
chr3	32817853	32817853	+	2.97E-15	4.84506E-14	0.209435	hyper	sig	chr3_32817853
chr8	1.43E+08	142612912	+	2.974E-15	4.85141E-14	-0.21733	hypo	sig	chr8_142612912
chr10	1.2E+08	120457578	+	2.986E-15	4.87E-14	0.29009	hyper	sig	chr10_120457578
chr16	86444039	86444039	+	2.991E-15	4.87876E-14	0.21649	hyper	sig	chr16_86444039
chr22	39558205	39558205	+	2.991E-15	4.87889E-14	0.233368	hyper	sig	chr22_39558205
chr1	9652921	9652921	+	2.999E-15	4.89064E-14	0.203249	hyper	sig	chr1_9652921
chr10	1.17E+08	117132159	+	3.012E-15	4.91172E-14	0.244416	hyper	sig	chr10_117132159
chr16	49277876	49277876	+	3.013E-15	4.91289E-14	0.223338	hyper	sig	chr16_49277876
chr16	69324692	69324692	+	3.02E-15	4.92398E-14	-0.23488	hypo	sig	chr16_69324692
chr8	9905319	9905319	+	3.022E-15	4.92636E-14	0.215047	hyper	sig	chr8_9905319
chr6	10385732	10385732	+	3.022E-15	4.92738E-14	0.297901	hyper	sig	chr6_10385732
chr7	8435936	8435936	+	3.023E-15	4.92914E-14	0.210488	hyper	sig	chr7_8435936
chr1	2.08E+08	207910775	+	3.036E-15	4.94834E-14	0.219185	hyper	sig	chr1_207910775
chr12	54411561	54411561	+	3.039E-15	4.95439E-14	-0.21595	hypo	sig	chr12_54411561
chr1	1.8E+08	179812779	+	3.04E-15	4.95466E-14	-0.30523	hypo	sig	chr1_179812779
chr14	28765752	28765752	+	3.04E-15	4.95489E-14	0.202742	hyper	sig	chr14_28765752
chr13	1.13E+08	112940517	+	3.044E-15	4.96175E-14	-0.20426	hypo	sig	chr13_112940517
chr6	1.06E+08	105981619	+	3.05E-15	4.97063E-14	0.230428	hyper	sig	chr6_105981619
chr12	1.17E+08	117359302	+	3.051E-15	4.97189E-14	0.206494	hyper	sig	chr12_117359302
chr18	6929745	6929745	+	3.051E-15	4.97272E-14	-0.20813	hypo	sig	chr18_6929745
chr19	28727285	28727285	+	3.054E-15	4.97747E-14	0.243397	hyper	sig	chr19_28727285
chr8	94259413	94259413	+	3.058E-15	4.983E-14	-0.23889	hypo	sig	chr8_94259413
chr19	3870806	3870806	+	3.064E-15	4.99261E-14	0.202419	hyper	sig	chr19_3870806
chr7	97018121	97018121	+	3.064E-15	4.99282E-14	0.236423	hyper	sig	chr7_97018121
chr3	1.35E+08	134797498	+	3.07E-15	5.00235E-14	0.235681	hyper	sig	chr3_134797498
chr8	1.08E+08	108082970	+	3.07E-15	5.00236E-14	0.323132	hyper	sig	chr8_108082970
chr12	2377448	2377448	+	3.075E-15	5.01015E-14	-0.22458	hypo	sig	chr12_2377448
chr16	1492893	1492893	+	3.075E-15	5.01018E-14	-0.20053	hypo	sig	chr16_1492893
chr11	2155788	2155788	+	3.088E-15	5.02986E-14	-0.25191	hypo	sig	chr11_2155788
chr19	6199165	6199165	+	3.091E-15	5.03529E-14	0.2903	hyper	sig	chr19_6199165
chr17	81161338	81161338	+	3.097E-15	5.04448E-14	-0.20173	hypo	sig	chr17_81161338
chr3	1.28E+08	128483809	+	3.121E-15	5.08188E-14	0.216743	hyper	sig	chr3_128483809
chr7	8442572	8442572	+	3.123E-15	5.08607E-14	0.20046	hyper	sig	chr7_8442572
chr5	320730	320730	+	3.128E-15	5.09308E-14	0.249407	hyper	sig	chr5_320730
chr3	1.96E+08	195807945	+	3.13E-15	5.096E-14	-0.20268	hypo	sig	chr3_195807945
chr11	26995124	26995124	+	3.136E-15	5.10507E-14	-0.25821	hypo	sig	chr11_26995124
chr2	1.42E+08	142133131	+	3.139E-15	5.11063E-14	-0.29966	hypo	sig	chr2_142133131
chr1	1.48E+08	148310171	+	3.144E-15	5.11802E-14	0.225129	hyper	sig	chr1_148310171
chr4	1.13E+08	112511417	+	3.151E-15	5.12819E-14	0.219725	hyper	sig	chr4_112511417
chr15	74132816	74132816	+	3.153E-15	5.13152E-14	0.269134	hyper	sig	chr15_74132816
chr20	35296001	35296001	+	3.155E-15	5.13527E-14	-0.28276	hypo	sig	chr20_35296001
chr6	5994917	5994917	+	3.157E-15	5.13782E-14	0.220234	hyper	sig	chr6_5994917
chr1	1117425	1117425	+	3.158E-15	5.1393E-14	-0.20624	hypo	sig	chr1_1117425
chr17	50603071	50603071	+	3.159E-15	5.14039E-14	-0.2094	hypo	sig	chr17_50603071
chr1	1.45E+08	144552164	+	3.159E-15	5.14086E-14	0.234279	hyper	sig	chr1_144552164
chr22	42129208	42129208	+	3.161E-15	5.14362E-14	-0.20036	hypo	sig	chr22_42129208

chr8	90791429	90791429	+	3.168E-15	5.15486E-14	0.264475	hyper	sig	chr8_90791429
chr17	74547530	74547530	+	3.17E-15	5.15705E-14	-0.25965	hypo	sig	chr17_74547530
chr19	58003263	58003263	+	3.173E-15	5.16161E-14	0.286933	hyper	sig	chr19_58003263
chr5	1.59E+08	159096917	+	3.175E-15	5.16506E-14	0.274312	hyper	sig	chr5_159096917
chr20	9838677	9838677	+	3.179E-15	5.1715E-14	0.279249	hyper	sig	chr20_9838677
chr1	1.19E+08	118980303	+	3.18E-15	5.17188E-14	0.336745	hyper	sig	chr1_118980303
chr11	64372901	64372901	+	3.183E-15	5.17791E-14	-0.26767	hypo	sig	chr11_64372901
chr13	99971918	99971918	+	3.185E-15	5.18001E-14	0.21542	hyper	sig	chr13_99971918
chr5	1.79E+08	179370934	+	3.186E-15	5.18186E-14	-0.20133	hypo	sig	chr5_179370934
chr16	89063195	89063195	+	3.187E-15	5.18295E-14	-0.24463	hypo	sig	chr16_89063195
chr4	10458305	10458305	+	3.192E-15	5.19162E-14	-0.20269	hypo	sig	chr4_10458305
chr19	51719233	51719233	+	3.199E-15	5.20298E-14	0.214679	hyper	sig	chr19_51719233
chr3	1.25E+08	124791826	+	3.201E-15	5.20616E-14	0.204432	hyper	sig	chr3_124791826
chr2	1.91E+08	190761237	+	3.204E-15	5.21008E-14	0.248428	hyper	sig	chr2_190761237
chr9	1.36E+08	135693836	+	3.21E-15	5.21897E-14	-0.23982	hypo	sig	chr9_135693836
chr5	1752616	1752616	+	3.21E-15	5.21943E-14	-0.21681	hypo	sig	chr5_1752616
chr4	4872235	4872235	+	3.212E-15	5.22209E-14	0.242282	hyper	sig	chr4_4872235
chr6	12749120	12749120	+	3.218E-15	5.23188E-14	0.20794	hyper	sig	chr6_12749120
chr20	62215977	62215977	+	3.219E-15	5.23267E-14	-0.20326	hypo	sig	chr20_62215977
chr8	1.43E+08	142524174	+	3.22E-15	5.23521E-14	-0.28925	hypo	sig	chr8_142524174
chr1	1.68E+08	167630593	+	3.223E-15	5.23922E-14	0.221223	hyper	sig	chr1_167630593
chr9	88990971	88990971	+	3.225E-15	5.24215E-14	0.24182	hyper	sig	chr9_88990971
chr8	1.08E+08	108082343	+	3.226E-15	5.24403E-14	0.215437	hyper	sig	chr8_108082343
chr2	3598758	3598758	+	3.229E-15	5.24895E-14	-0.30487	hypo	sig	chr2_3598758
chr13	1.07E+08	106916524	+	3.23E-15	5.2496E-14	-0.23948	hypo	sig	chr13_106916524
chr17	65539105	65539105	+	3.234E-15	5.25715E-14	-0.23625	hypo	sig	chr17_65539105
chr7	1.59E+08	158995444	+	3.243E-15	5.27021E-14	-0.21191	hypo	sig	chr7_158995444
chr8	41700031	41700031	+	3.248E-15	5.2778E-14	-0.21245	hypo	sig	chr8_41700031
chr8	11676713	11676713	+	3.255E-15	5.29009E-14	0.205318	hyper	sig	chr8_11676713
chr1	2.43E+08	242524068	+	3.259E-15	5.29547E-14	0.237955	hyper	sig	chr1_242524068
chr3	1.26E+08	126361424	+	3.26E-15	5.29803E-14	-0.31344	hypo	sig	chr3_126361424
chr19	54257196	54257196	+	3.261E-15	5.29972E-14	-0.21928	hypo	sig	chr19_54257196
chr13	35478598	35478598	+	3.263E-15	5.30216E-14	0.246538	hyper	sig	chr13_35478598
chr16	804579	804579	+	3.264E-15	5.30395E-14	-0.21375	hypo	sig	chr16_804579
chr15	82648540	82648540	+	3.265E-15	5.30503E-14	0.245814	hyper	sig	chr15_82648540
chr4	1.85E+08	185021147	+	3.269E-15	5.31087E-14	0.206355	hyper	sig	chr4_185021147
chr19	814503	814503	+	3.279E-15	5.32739E-14	-0.2297	hypo	sig	chr19_814503
chr17	79862073	79862073	+	3.281E-15	5.32957E-14	-0.21192	hypo	sig	chr17_79862073
chr2	2.36E+08	235508608	+	3.292E-15	5.347E-14	-0.22179	hypo	sig	chr2_235508608
chr13	1.13E+08	113141820	+	3.298E-15	5.35649E-14	-0.20172	hypo	sig	chr13_113141820
chr6	28635517	28635517	+	3.3E-15	5.35932E-14	0.269734	hyper	sig	chr6_28635517
chr2	949755	949755	+	3.313E-15	5.37966E-14	0.202144	hyper	sig	chr2_949755
chr12	1.25E+08	124549803	+	3.314E-15	5.38201E-14	-0.27606	hypo	sig	chr12_124549803
chr6	1.69E+08	169237528	+	3.315E-15	5.38402E-14	-0.20787	hypo	sig	chr6_169237528
chr19	13013813	13013813	+	3.327E-15	5.40215E-14	0.220321	hyper	sig	chr19_13013813
chr20	45098730	45098730	+	3.328E-15	5.40426E-14	0.223151	hyper	sig	chr20_45098730
chr8	1.43E+08	143279018	+	3.34E-15	5.42282E-14	0.206738	hyper	sig	chr8_143279018
chr19	3130741	3130741	+	3.342E-15	5.42512E-14	-0.28355	hypo	sig	chr19_3130741
chr7	95318802	95318802	+	3.352E-15	5.44153E-14	-0.28783	hypo	sig	chr7_95318802
chr17	39165622	39165622	+	3.354E-15	5.44498E-14	0.279512	hyper	sig	chr17_39165622
chr2	1.24E+08	124025635	+	3.358E-15	5.45077E-14	0.257909	hyper	sig	chr2_124025635
chr15	24773302	24773302	+	3.358E-15	5.45136E-14	0.239757	hyper	sig	chr15_24773302
chr6	28810308	28810308	+	3.364E-15	5.46057E-14	0.211975	hyper	sig	chr6_28810308
chr4	80189984	80189984	+	3.368E-15	5.46698E-14	0.225572	hyper	sig	chr4_80189984
chr5	95962622	95962622	+	3.37E-15	5.46898E-14	-0.22363	hypo	sig	chr5_95962622
chr19	710837	710837	+	3.37E-15	5.46899E-14	-0.22742	hypo	sig	chr19_710837

chr13	22926235	22926235	+	3.37E-15	5.46943E-14	0.259869	hyper	sig	chr13_22926235
chr1	2339745	2339745	+	3.376E-15	5.47851E-14	-0.24715	hypo	sig	chr1_2339745
chr14	1.01E+08	100884756	+	3.378E-15	5.48127E-14	-0.20702	hypo	sig	chr14_100884756
chr4	1.57E+08	157075912	+	3.379E-15	5.48266E-14	0.230873	hyper	sig	chr4_157075912
chr12	53975712	53975712	+	3.386E-15	5.49403E-14	0.221804	hyper	sig	chr12_53975712
chr15	26968092	26968092	+	3.386E-15	5.49511E-14	0.306093	hyper	sig	chr15_26968092
chr7	23247656	23247656	+	3.388E-15	5.49806E-14	0.246697	hyper	sig	chr7_23247656
chr19	22010585	22010585	+	3.395E-15	5.5093E-14	0.206896	hyper	sig	chr19_22010585
chr5	2749691	2749691	+	3.4E-15	5.51678E-14	0.24504	hyper	sig	chr5_2749691
chr4	4863207	4863207	+	3.402E-15	5.51958E-14	0.246019	hyper	sig	chr4_4863207
chr5	1.51E+08	151298601	+	3.409E-15	5.53026E-14	-0.22557	hypo	sig	chr5_151298601
chr11	65944291	65944291	+	3.41E-15	5.53211E-14	-0.28977	hypo	sig	chr11_65944291
chr2	691034	691034	+	3.424E-15	5.55384E-14	-0.20873	hypo	sig	chr2_691034
chr7	1.55E+08	154914726	+	3.437E-15	5.57446E-14	0.206094	hyper	sig	chr7_154914726
chr21	26967652	26967652	+	3.439E-15	5.5772E-14	0.240387	hyper	sig	chr21_26967652
chr14	37602543	37602543	+	3.44E-15	5.57854E-14	0.276319	hyper	sig	chr14_37602543
chr9	34809594	34809594	+	3.442E-15	5.58166E-14	0.205967	hyper	sig	chr9_34809594
chr13	1.02E+08	101919902	+	3.443E-15	5.5838E-14	0.230179	hyper	sig	chr13_101919902
chr11	74683262	74683262	+	3.444E-15	5.58546E-14	-0.20053	hypo	sig	chr11_74683262
chr1	2.28E+08	228149723	+	3.445E-15	5.58687E-14	-0.276	hypo	sig	chr1_228149723
chr7	1.59E+08	159061821	+	3.45E-15	5.59313E-14	0.21323	hyper	sig	chr7_159061821
chr1	1.47E+08	147052320	+	3.451E-15	5.59466E-14	-0.29822	hypo	sig	chr1_147052320
chr16	88100795	88100795	+	3.451E-15	5.59466E-14	0.209474	hyper	sig	chr16_88100795
chr7	47517330	47517330	+	3.456E-15	5.60296E-14	-0.20934	hypo	sig	chr7_47517330
chr19	21485862	21485862	+	3.47E-15	5.62515E-14	-0.27558	hypo	sig	chr19_21485862
chr19	52297751	52297751	+	3.476E-15	5.63508E-14	0.243027	hyper	sig	chr19_52297751
chr4	2458762	2458762	+	3.481E-15	5.64262E-14	-0.21013	hypo	sig	chr4_2458762
chr16	2182448	2182448	+	3.482E-15	5.64454E-14	-0.2204	hypo	sig	chr16_2182448
chr6	36548079	36548079	+	3.491E-15	5.65798E-14	-0.24549	hypo	sig	chr6_36548079
chr15	37102886	37102886	+	3.496E-15	5.66731E-14	0.224041	hyper	sig	chr15_37102886
chr12	1.26E+08	125861240	+	3.499E-15	5.67085E-14	-0.25721	hypo	sig	chr12_125861240
chr10	90857118	90857118	+	3.506E-15	5.68162E-14	0.255237	hyper	sig	chr10_90857118
chr17	49963934	49963934	+	3.507E-15	5.68347E-14	0.329164	hyper	sig	chr17_49963934
chr2	10961347	10961347	+	3.512E-15	5.69124E-14	-0.26548	hypo	sig	chr2_10961347
chr5	76953098	76953098	+	3.519E-15	5.70237E-14	0.208696	hyper	sig	chr5_76953098
chr16	11667867	11667867	+	3.522E-15	5.70625E-14	-0.28572	hypo	sig	chr16_11667867
chr2	1.05E+08	104659354	+	3.53E-15	5.71924E-14	0.251363	hyper	sig	chr2_104659354
chr10	1.34E+08	133622963	+	3.533E-15	5.72438E-14	0.239184	hyper	sig	chr10_133622963
chr2	25167656	25167656	+	3.549E-15	5.75038E-14	0.205353	hyper	sig	chr2_25167656
chr17	48734108	48734108	+	3.549E-15	5.75046E-14	0.202214	hyper	sig	chr17_48734108
chr1	1.55E+08	155243984	+	3.55E-15	5.75094E-14	-0.20518	hypo	sig	chr1_155243984
chr8	1.43E+08	143155755	+	3.551E-15	5.75193E-14	-0.22721	hypo	sig	chr8_143155755
chr5	2643163	2643163	+	3.56E-15	5.7672E-14	0.215739	hyper	sig	chr5_2643163
chr9	97857709	97857709	+	3.564E-15	5.77341E-14	0.203772	hyper	sig	chr9_97857709
chr4	9781307	9781307	+	3.566E-15	5.77619E-14	0.270053	hyper	sig	chr4_9781307
chr21	26967689	26967689	+	3.568E-15	5.77881E-14	0.247628	hyper	sig	chr21_26967689
chr1	6729837	6729837	+	3.571E-15	5.78452E-14	-0.24594	hypo	sig	chr1_6729837
chr1	1.19E+08	118980232	+	3.574E-15	5.78781E-14	0.326201	hyper	sig	chr1_118980232
chr7	1296495	1296495	+	3.574E-15	5.78858E-14	-0.20549	hypo	sig	chr7_1296495
chr3	42265022	42265022	+	3.575E-15	5.78985E-14	0.234205	hyper	sig	chr3_42265022
chr16	85276295	85276295	+	3.583E-15	5.80273E-14	-0.20807	hypo	sig	chr16_85276295
chr7	1144578	1144578	+	3.588E-15	5.80912E-14	-0.21326	hypo	sig	chr7_1144578
chr20	19974918	19974918	+	3.589E-15	5.81143E-14	0.208934	hyper	sig	chr20_19974918
chr1	2.28E+08	228391337	+	3.594E-15	5.81831E-14	-0.25135	hypo	sig	chr1_228391337
chr11	20596652	20596652	+	3.599E-15	5.82661E-14	0.217125	hyper	sig	chr11_20596652
chr1	57423035	57423035	+	3.604E-15	5.83319E-14	0.227863	hyper	sig	chr1_57423035

chr20	62740147	62740147	+	3.604E-15	5.83415E-14	-0.21218	hypo	sig	chr20_62740147
chr10	49613472	49613472	+	3.611E-15	5.84501E-14	0.207803	hyper	sig	chr10_49613472
chr16	29156772	29156772	+	3.612E-15	5.84566E-14	-0.24127	hypo	sig	chr16_29156772
chr10	1.02E+08	102414186	+	3.615E-15	5.85025E-14	-0.21499	hypo	sig	chr10_102414186
chr7	15687502	15687502	+	3.625E-15	5.86701E-14	0.250794	hyper	sig	chr7_15687502
chr15	34495863	34495863	+	3.628E-15	5.87091E-14	0.215629	hyper	sig	chr15_34495863
chr4	8411018	8411018	+	3.637E-15	5.88558E-14	-0.20182	hypo	sig	chr4_8411018
chr9	1.37E+08	137243270	+	3.639E-15	5.88879E-14	-0.24316	hypo	sig	chr9_137243270
chr8	4993444	4993444	+	3.647E-15	5.90028E-14	0.223651	hyper	sig	chr8_4993444
chr11	43582212	43582212	+	3.648E-15	5.90284E-14	0.291512	hyper	sig	chr11_43582212
chr19	50728592	50728592	+	3.65E-15	5.90538E-14	0.290759	hyper	sig	chr19_50728592
chr4	8325679	8325679	+	3.651E-15	5.90618E-14	-0.23703	hypo	sig	chr4_8325679
chr6	98825111	98825111	+	3.662E-15	5.92484E-14	0.274144	hyper	sig	chr6_98825111
chr17	7418823	7418823	+	3.664E-15	5.92725E-14	-0.20494	hypo	sig	chr17_7418823
chr5	63961734	63961734	+	3.666E-15	5.93092E-14	0.252969	hyper	sig	chr5_63961734
chr1	71046783	71046783	+	3.678E-15	5.94963E-14	0.208425	hyper	sig	chr1_71046783
chr16	54290682	54290682	+	3.679E-15	5.95102E-14	0.299839	hyper	sig	chr16_54290682
chr10	42368060	42368060	+	3.679E-15	5.95126E-14	0.250432	hyper	sig	chr10_42368060
chr11	1434306	1434306	+	3.688E-15	5.96515E-14	-0.21281	hypo	sig	chr11_1434306
chr11	66022410	66022410	+	3.689E-15	5.96619E-14	-0.2134	hypo	sig	chr11_66022410
chr10	86960341	86960341	+	3.702E-15	5.98663E-14	-0.22965	hypo	sig	chr10_86960341
chr11	33779957	33779957	+	3.716E-15	6.00806E-14	-0.28386	hypo	sig	chr11_33779957
chr11	1.33E+08	133079635	+	3.722E-15	6.01877E-14	-0.2096	hypo	sig	chr11_133079635
chr19	50789262	50789262	+	3.723E-15	6.01948E-14	-0.24737	hypo	sig	chr19_50789262
chr5	1.41E+08	141193881	+	3.724E-15	6.02088E-14	0.227903	hyper	sig	chr5_141193881
chr12	8321606	8321606	+	3.724E-15	6.02097E-14	-0.27461	hypo	sig	chr12_8321606
chr9	1.3E+08	129685853	+	3.727E-15	6.02485E-14	-0.23959	hypo	sig	chr9_129685853
chr20	62662678	62662678	+	3.732E-15	6.03345E-14	-0.20902	hypo	sig	chr20_62662678
chr2	2.4E+08	240411317	+	3.733E-15	6.03544E-14	-0.2322	hypo	sig	chr2_240411317
chr10	7666842	7666842	+	3.736E-15	6.03986E-14	0.246334	hyper	sig	chr10_7666842
chr10	43573935	43573935	+	3.737E-15	6.04122E-14	0.216857	hyper	sig	chr10_43573935
chr7	4725201	4725201	+	3.744E-15	6.05228E-14	0.232312	hyper	sig	chr7_4725201
chr3	1.82E+08	181724385	+	3.75E-15	6.06105E-14	0.292204	hyper	sig	chr3_181724385
chr5	7849783	7849783	+	3.751E-15	6.0632E-14	0.200973	hyper	sig	chr5_7849783
chr10	86381213	86381213	+	3.754E-15	6.06825E-14	-0.25375	hypo	sig	chr10_86381213
chr1	2251900	2251900	+	3.761E-15	6.07934E-14	-0.26809	hypo	sig	chr1_2251900
chr3	1.7E+08	169666605	+	3.782E-15	6.11275E-14	0.241206	hyper	sig	chr3_169666605
chr4	15782992	15782992	+	3.783E-15	6.11319E-14	-0.23415	hypo	sig	chr4_15782992
chr7	1.54E+08	153887320	+	3.787E-15	6.12083E-14	0.275734	hyper	sig	chr7_153887320
chr11	20162584	20162584	+	3.789E-15	6.12349E-14	0.231176	hyper	sig	chr11_20162584
chr4	804890	804890	+	3.795E-15	6.13303E-14	-0.21117	hypo	sig	chr4_804890
chr8	51408179	51408179	+	3.8E-15	6.14027E-14	-0.26158	hypo	sig	chr8_51408179
chr17	76139472	76139472	+	3.801E-15	6.14202E-14	-0.2101	hypo	sig	chr17_76139472
chr10	28808018	28808018	+	3.801E-15	6.1423E-14	0.285914	hyper	sig	chr10_28808018
chr12	49971388	49971388	+	3.805E-15	6.14851E-14	-0.25868	hypo	sig	chr12_49971388
chr20	21701430	21701430	+	3.805E-15	6.1486E-14	0.274508	hyper	sig	chr20_21701430
chr1	1.76E+08	175599385	+	3.81E-15	6.15553E-14	0.237184	hyper	sig	chr1_175599385
chr3	1.28E+08	128486455	+	3.813E-15	6.16037E-14	0.203687	hyper	sig	chr3_128486455
chr19	38869673	38869673	+	3.814E-15	6.16111E-14	0.292325	hyper	sig	chr19_38869673
chr7	27252709	27252709	+	3.814E-15	6.16111E-14	-0.23452	hypo	sig	chr7_27252709
chr16	89179251	89179251	+	3.817E-15	6.16596E-14	-0.20709	hypo	sig	chr16_89179251
chr15	65396878	65396878	+	3.817E-15	6.16677E-14	0.217963	hyper	sig	chr15_65396878
chr19	57099466	57099466	+	3.823E-15	6.1748E-14	0.274234	hyper	sig	chr19_57099466
chr2	74516168	74516168	+	3.844E-15	6.20858E-14	0.203337	hyper	sig	chr2_74516168
chr20	1002125	1002125	+	3.854E-15	6.2235E-14	0.201106	hyper	sig	chr20_1002125
chr6	1E+08	100458759	+	3.861E-15	6.23438E-14	0.220856	hyper	sig	chr6_100458759

chr2	31581165	31581165	+	3.862E-15	6.23659E-14	0.238495	hyper	sig	chr2_31581165
chr12	96879522	96879522	+	3.871E-15	6.25055E-14	-0.20273	hypo	sig	chr12_96879522
chr17	44266866	44266866	+	3.874E-15	6.25482E-14	-0.24475	hypo	sig	chr17_44266866
chr21	41809031	41809031	+	3.882E-15	6.26701E-14	-0.22524	hypo	sig	chr21_41809031
chr19	16654881	16654881	+	3.885E-15	6.27117E-14	-0.23971	hypo	sig	chr19_16654881
chr3	50358283	50358283	+	3.89E-15	6.27925E-14	-0.20835	hypo	sig	chr3_50358283
chr3	1.31E+08	130517476	+	3.89E-15	6.27925E-14	0.240305	hyper	sig	chr3_130517476
chr5	1.73E+08	173042015	+	3.892E-15	6.28263E-14	-0.23095	hypo	sig	chr5_173042015
chr20	63191072	63191072	+	3.893E-15	6.28464E-14	-0.20104	hypo	sig	chr20_63191072
chr20	54476657	54476657	+	3.899E-15	6.29365E-14	0.227807	hyper	sig	chr20_54476657
chr1	1.65E+08	165355243	+	3.901E-15	6.29724E-14	0.222733	hyper	sig	chr1_165355243
chr10	22253528	22253528	+	3.902E-15	6.29863E-14	0.21322	hyper	sig	chr10_22253528
chr10	44293401	44293401	+	3.91E-15	6.31073E-14	0.212371	hyper	sig	chr10_44293401
chr2	2.39E+08	239247332	+	3.911E-15	6.31168E-14	-0.23077	hypo	sig	chr2_239247332
chr2	2.01E+08	200586248	+	3.917E-15	6.32146E-14	0.246884	hyper	sig	chr2_200586248
chr7	98865909	98865909	+	3.926E-15	6.33591E-14	-0.28209	hypo	sig	chr7_98865909
chr2	17875883	17875883	+	3.931E-15	6.34276E-14	-0.28726	hypo	sig	chr2_17875883
chr5	1245843	1245843	+	3.937E-15	6.35323E-14	0.202944	hyper	sig	chr5_1245843
chr1	1.57E+08	156849214	+	3.939E-15	6.35588E-14	0.232674	hyper	sig	chr1_156849214
chr13	1.1E+08	110306675	+	3.942E-15	6.35995E-14	0.225063	hyper	sig	chr13_110306675
chr17	65539099	65539099	+	3.943E-15	6.36218E-14	-0.24765	hypo	sig	chr17_65539099
chr1	2E+08	200038703	+	3.946E-15	6.3656E-14	0.306016	hyper	sig	chr1_200038703
chr22	16601145	16601145	+	3.957E-15	6.38361E-14	0.233537	hyper	sig	chr22_16601145
chr14	28767267	28767267	+	3.958E-15	6.38522E-14	0.240281	hyper	sig	chr14_28767267
chr19	48966416	48966416	+	3.97E-15	6.40341E-14	-0.31017	hypo	sig	chr19_48966416
chr7	97022515	97022515	+	3.971E-15	6.40504E-14	0.249944	hyper	sig	chr7_97022515
chr1	9714605	9714605	+	3.985E-15	6.42566E-14	-0.20624	hypo	sig	chr1_9714605
chr9	1.37E+08	136746993	+	3.986E-15	6.42742E-14	-0.20438	hypo	sig	chr9_136746993
chr5	16180206	16180206	+	4.001E-15	6.45069E-14	0.236243	hyper	sig	chr5_16180206
chr20	56004673	56004673	+	4.004E-15	6.45593E-14	0.264898	hyper	sig	chr20_56004673
chr1	3543506	3543506	+	4.009E-15	6.46281E-14	-0.2099	hypo	sig	chr1_3543506
chr12	1.32E+08	132400061	+	4.018E-15	6.47789E-14	-0.24194	hypo	sig	chr12_132400061
chr15	52798041	52798041	+	4.021E-15	6.48267E-14	0.225937	hyper	sig	chr15_52798041
chr16	89972164	89972164	+	4.024E-15	6.48703E-14	0.216568	hyper	sig	chr16_89972164
chr14	1.05E+08	104843015	+	4.03E-15	6.49616E-14	-0.27913	hypo	sig	chr14_104843015
chr1	14923299	14923299	+	4.033E-15	6.50053E-14	-0.22759	hypo	sig	chr1_14923299
chr7	38311343	38311343	+	4.039E-15	6.50952E-14	0.253731	hyper	sig	chr7_38311343
chr1	30920998	30920998	+	4.044E-15	6.51737E-14	-0.28045	hypo	sig	chr1_30920998
chr11	20163569	20163569	+	4.046E-15	6.52117E-14	0.244225	hyper	sig	chr11_20163569
chr2	50347601	50347601	+	4.048E-15	6.52415E-14	0.226047	hyper	sig	chr2_50347601
chr17	34579603	34579603	+	4.049E-15	6.52483E-14	0.217816	hyper	sig	chr17_34579603
chr9	95363207	95363207	+	4.052E-15	6.52944E-14	-0.216	hypo	sig	chr9_95363207
chr8	64371916	64371916	+	4.054E-15	6.53203E-14	0.285728	hyper	sig	chr8_64371916
chr10	23192560	23192560	+	4.055E-15	6.5342E-14	0.205162	hyper	sig	chr10_23192560
chr4	1.74E+08	173527542	+	4.062E-15	6.54425E-14	0.209808	hyper	sig	chr4_173527542
chr10	1.01E+08	100738640	+	4.069E-15	6.5552E-14	0.230311	hyper	sig	chr10_100738640
chr1	2333118	2333118	+	4.07E-15	6.5566E-14	-0.26391	hypo	sig	chr1_2333118
chr20	63068944	63068944	+	4.083E-15	6.5777E-14	-0.24311	hypo	sig	chr20_63068944
chr17	1907106	1907106	+	4.093E-15	6.59235E-14	-0.29647	hypo	sig	chr17_1907106
chr15	88605071	88605071	+	4.106E-15	6.61377E-14	0.237981	hyper	sig	chr15_88605071
chr19	56476972	56476972	+	4.12E-15	6.63444E-14	0.231693	hyper	sig	chr19_56476972
chr19	50728300	50728300	+	4.123E-15	6.63957E-14	0.202821	hyper	sig	chr19_50728300
chr9	96687205	96687205	+	4.131E-15	6.6514E-14	0.209744	hyper	sig	chr9_96687205
chr1	8344007	8344007	+	4.131E-15	6.65259E-14	-0.22174	hypo	sig	chr1_8344007
chr13	36432009	36432009	+	4.134E-15	6.6565E-14	0.27112	hyper	sig	chr13_36432009
chr7	1.59E+08	159232321	+	4.138E-15	6.66195E-14	-0.23972	hypo	sig	chr7_159232321

chr4	4868759	4868759	+	4.153E-15	6.68505E-14	0.231403	hyper	sig	chr4_4868759
chr13	1.12E+08	112331799	+	4.155E-15	6.68812E-14	0.22898	hyper	sig	chr13_112331799
chr12	80708970	80708970	+	4.17E-15	6.71176E-14	0.206153	hyper	sig	chr12_80708970
chr6	84772828	84772828	+	4.179E-15	6.72594E-14	0.241414	hyper	sig	chr6_84772828
chr7	43311870	43311870	+	4.188E-15	6.73943E-14	-0.20133	hypo	sig	chr7_43311870
chr16	55328844	55328844	+	4.194E-15	6.74985E-14	0.238448	hyper	sig	chr16_55328844
chr6	75206608	75206608	+	4.197E-15	6.75352E-14	0.201682	hyper	sig	chr6_75206608
chr9	1.22E+08	121698758	+	4.203E-15	6.76381E-14	0.214159	hyper	sig	chr9_121698758
chr10	92042797	92042797	+	4.212E-15	6.77679E-14	-0.24107	hypo	sig	chr10_92042797
chr9	1.3E+08	129640525	+	4.213E-15	6.77822E-14	-0.29484	hypo	sig	chr9_129640525
chr8	92138603	92138603	+	4.213E-15	6.77839E-14	-0.23825	hypo	sig	chr8_92138603
chr18	8718556	8718556	+	4.214E-15	6.78014E-14	-0.30687	hypo	sig	chr18_8718556
chr7	95773270	95773270	+	4.214E-15	6.78014E-14	0.27622	hyper	sig	chr7_95773270
chr2	2.18E+08	218382202	+	4.217E-15	6.78456E-14	-0.30156	hypo	sig	chr2_218382202
chr2	1.54E+08	153871420	+	4.222E-15	6.79219E-14	0.254941	hyper	sig	chr2_153871420
chr15	52794689	52794689	+	4.233E-15	6.80904E-14	0.214894	hyper	sig	chr15_52794689
chr7	8443250	8443250	+	4.239E-15	6.81877E-14	0.276821	hyper	sig	chr7_8443250
chr22	20139765	20139765	+	4.244E-15	6.82615E-14	-0.22547	hypo	sig	chr22_20139765
chr2	1.76E+08	176082731	+	4.254E-15	6.84201E-14	0.224684	hyper	sig	chr2_176082731
chr22	45889802	45889802	+	4.261E-15	6.8529E-14	0.215209	hyper	sig	chr22_45889802
chr9	14993618	14993618	+	4.272E-15	6.86908E-14	0.250576	hyper	sig	chr9_14993618
chr2	1.39E+08	138779534	+	4.274E-15	6.8725E-14	0.240268	hyper	sig	chr2_138779534
chr5	77636237	77636237	+	4.274E-15	6.87267E-14	0.268766	hyper	sig	chr5_77636237
chr10	86263303	86263303	+	4.284E-15	6.88743E-14	0.230078	hyper	sig	chr10_86263303
chr19	52493301	52493301	+	4.29E-15	6.89783E-14	0.234858	hyper	sig	chr19_52493301
chr2	1.27E+08	126781476	+	4.291E-15	6.89908E-14	-0.20983	hypo	sig	chr2_126781476
chr22	30626911	30626911	+	4.294E-15	6.90345E-14	-0.25602	hypo	sig	chr22_30626911
chr1	2.28E+08	228287815	+	4.296E-15	6.90595E-14	-0.20017	hypo	sig	chr1_228287815
chr11	1.29E+08	128760164	+	4.296E-15	6.90689E-14	-0.25963	hypo	sig	chr11_128760164
chr1	1.19E+08	118999536	+	4.303E-15	6.91764E-14	0.220286	hyper	sig	chr1_118999536
chr1	2.32E+08	232327874	+	4.308E-15	6.92582E-14	0.208325	hyper	sig	chr1_232327874
chr12	1.3E+08	130474536	+	4.31E-15	6.92916E-14	-0.20832	hypo	sig	chr12_130474536
chr20	64046357	64046357	+	4.311E-15	6.92919E-14	-0.23456	hypo	sig	chr20_64046357
chr16	48959257	48959257	+	4.311E-15	6.93038E-14	-0.21771	hypo	sig	chr16_48959257
chr19	57099190	57099190	+	4.316E-15	6.9366E-14	0.219266	hyper	sig	chr19_57099190
chr16	775539	775539	+	4.324E-15	6.94974E-14	-0.21849	hypo	sig	chr16_775539
chr2	1.75E+08	174678538	+	4.324E-15	6.94985E-14	-0.20906	hypo	sig	chr2_174678538
chr5	88695294	88695294	+	4.328E-15	6.95568E-14	0.24093	hyper	sig	chr5_88695294
chr20	54475995	54475995	+	4.34E-15	6.97371E-14	0.298718	hyper	sig	chr20_54475995
chr18	46758229	46758229	+	4.345E-15	6.98169E-14	0.201002	hyper	sig	chr18_46758229
chr6	71588730	71588730	+	4.353E-15	6.99327E-14	0.227428	hyper	sig	chr6_71588730
chr14	1.06E+08	106478837	+	4.359E-15	7.00227E-14	-0.24342	hypo	sig	chr14_106478837
chr3	1.25E+08	125141947	+	4.36E-15	7.00429E-14	0.277322	hyper	sig	chr3_125141947
chr1	3388551	3388551	+	4.363E-15	7.00914E-14	-0.23232	hypo	sig	chr1_3388551
chr7	1620862	1620862	+	4.365E-15	7.01168E-14	-0.21558	hypo	sig	chr7_1620862
chr4	41880169	41880169	+	4.369E-15	7.01739E-14	0.35303	hyper	sig	chr4_41880169
chr4	1640337	1640337	+	4.369E-15	7.01786E-14	-0.2137	hypo	sig	chr4_1640337
chr19	19109844	19109844	+	4.379E-15	7.03406E-14	-0.22494	hypo	sig	chr19_19109844
chr20	9516717	9516717	+	4.385E-15	7.04341E-14	0.216364	hyper	sig	chr20_9516717
chr20	33060277	33060277	+	4.389E-15	7.04845E-14	-0.23303	hypo	sig	chr20_33060277
chr3	1.34E+08	133746139	+	4.41E-15	7.0819E-14	0.221073	hyper	sig	chr3_133746139
chr3	1.47E+08	147424647	+	4.413E-15	7.08577E-14	0.253475	hyper	sig	chr3_147424647
chr8	90984907	90984907	+	4.416E-15	7.09164E-14	0.348064	hyper	sig	chr8_90984907
chr19	12847207	12847207	+	4.421E-15	7.09817E-14	-0.23237	hypo	sig	chr19_12847207
chr3	1.7E+08	169666618	+	4.431E-15	7.1145E-14	0.229289	hyper	sig	chr3_169666618
chr6	1.59E+08	159168977	+	4.431E-15	7.1145E-14	0.212935	hyper	sig	chr6_159168977

chr8	71558976	71558976	+	4.433E-15	7.11761E-14	0.274511	hyper	sig	chr8_71558976
chr7	1.01E+08	101299689	+	4.435E-15	7.1208E-14	0.233942	hyper	sig	chr7_101299689
chr7	65269779	65269779	+	4.437E-15	7.12274E-14	0.240986	hyper	sig	chr7_65269779
chr19	45804603	45804603	+	4.437E-15	7.12382E-14	-0.20087	hypo	sig	chr19_45804603
chr10	71665744	71665744	+	4.438E-15	7.12455E-14	-0.24207	hypo	sig	chr10_71665744
chr19	57726995	57726995	+	4.441E-15	7.12895E-14	0.367698	hyper	sig	chr19_57726995
chr4	84495918	84495918	+	4.443E-15	7.13156E-14	0.241606	hyper	sig	chr4_84495918
chr6	30954712	30954712	+	4.444E-15	7.13412E-14	-0.21652	hypo	sig	chr6_30954712
chr19	345261	345261	+	4.448E-15	7.13938E-14	0.231552	hyper	sig	chr19_345261
chr1	2.48E+08	247549075	+	4.451E-15	7.14452E-14	-0.28064	hypo	sig	chr1_247549075
chr1	50417182	50417182	+	4.453E-15	7.14739E-14	0.236159	hyper	sig	chr1_50417182
chr4	1502918	1502918	+	4.457E-15	7.15392E-14	-0.20368	hypo	sig	chr4_1502918
chr12	1.13E+08	113472753	+	4.458E-15	7.15622E-14	0.23446	hyper	sig	chr12_113472753
chr4	41744595	41744595	+	4.462E-15	7.16175E-14	0.207323	hyper	sig	chr4_41744595
chr19	6358317	6358317	+	4.469E-15	7.17204E-14	-0.23534	hypo	sig	chr19_6358317
chr17	40026342	40026342	+	4.471E-15	7.17581E-14	-0.25315	hypo	sig	chr17_40026342
chr19	52453406	52453406	+	4.485E-15	7.19673E-14	0.251539	hyper	sig	chr19_52453406
chr1	57422752	57422752	+	4.487E-15	7.19996E-14	0.29646	hyper	sig	chr1_57422752
chr4	1.77E+08	176792227	+	4.499E-15	7.21816E-14	0.216644	hyper	sig	chr4_176792227
chr7	32761964	32761964	+	4.5E-15	7.2192E-14	0.246096	hyper	sig	chr7_32761964
chr5	77632937	77632937	+	4.501E-15	7.22153E-14	0.24668	hyper	sig	chr5_77632937
chr5	73232332	73232332	+	4.505E-15	7.22688E-14	0.211934	hyper	sig	chr5_73232332
chr8	56113202	56113202	+	4.508E-15	7.23231E-14	0.225483	hyper	sig	chr8_56113202
chr8	1.43E+08	142879875	+	4.518E-15	7.24683E-14	-0.22949	hypo	sig	chr8_142879875
chr1	38044734	38044734	+	4.542E-15	7.28417E-14	0.318636	hyper	sig	chr1_38044734
chr7	12404254	12404254	+	4.554E-15	7.30357E-14	0.220526	hyper	sig	chr7_12404254
chr14	1.01E+08	101060678	+	4.563E-15	7.31697E-14	-0.20662	hypo	sig	chr14_101060678
chr2	1570087	1570087	+	4.563E-15	7.31726E-14	-0.23243	hypo	sig	chr2_1570087
chr9	1052560	1052560	+	4.566E-15	7.32192E-14	0.23233	hyper	sig	chr9_1052560
chr22	39558234	39558234	+	4.571E-15	7.32965E-14	0.211688	hyper	sig	chr22_39558234
chr8	1.43E+08	143285247	+	4.582E-15	7.34654E-14	-0.20666	hypo	sig	chr8_143285247
chr8	26049532	26049532	+	4.583E-15	7.34856E-14	0.244984	hyper	sig	chr8_26049532
chr12	52116051	52116051	+	4.591E-15	7.35959E-14	-0.22108	hypo	sig	chr12_52116051
chr16	88413125	88413125	+	4.62E-15	7.40505E-14	-0.24797	hypo	sig	chr16_88413125
chr12	34166078	34166078	+	4.62E-15	7.40566E-14	-0.31468	hypo	sig	chr12_34166078
chr5	1.67E+08	166976811	+	4.638E-15	7.4333E-14	-0.25162	hypo	sig	chr5_166976811
chr12	1.32E+08	132429144	+	4.664E-15	7.4745E-14	-0.20662	hypo	sig	chr12_132429144
chr2	2.42E+08	241676810	+	4.67E-15	7.48383E-14	0.217727	hyper	sig	chr2_241676810
chr1	33183000	33183000	+	4.676E-15	7.49306E-14	-0.20217	hypo	sig	chr1_33183000
chr5	1.29E+08	128537833	+	4.678E-15	7.49601E-14	0.214638	hyper	sig	chr5_128537833
chr19	38869676	38869676	+	4.681E-15	7.50125E-14	0.282162	hyper	sig	chr19_38869676
chr16	1482477	1482477	+	4.683E-15	7.50296E-14	-0.27618	hypo	sig	chr16_1482477
chr3	14819269	14819269	+	4.694E-15	7.5201E-14	-0.26862	hypo	sig	chr3_14819269
chr6	30752714	30752714	+	4.697E-15	7.52413E-14	-0.27838	hypo	sig	chr6_30752714
chr3	62369855	62369855	+	4.698E-15	7.52569E-14	0.230243	hyper	sig	chr3_62369855
chr2	1.05E+08	104659368	+	4.701E-15	7.53121E-14	0.259995	hyper	sig	chr2_104659368
chr21	33025450	33025450	+	4.702E-15	7.53264E-14	0.209278	hyper	sig	chr21_33025450
chr2	2.18E+08	218007934	+	4.709E-15	7.54258E-14	-0.20919	hypo	sig	chr2_218007934
chr12	53936515	53936515	+	4.713E-15	7.54901E-14	0.244009	hyper	sig	chr12_53936515
chr2	1.55E+08	154699787	+	4.715E-15	7.55179E-14	0.209644	hyper	sig	chr2_154699787
chr13	35478434	35478434	+	4.722E-15	7.56379E-14	0.26254	hyper	sig	chr13_35478434
chr16	1443509	1443509	+	4.729E-15	7.57403E-14	-0.23851	hypo	sig	chr16_1443509
chr5	1.41E+08	141235952	+	4.745E-15	7.59878E-14	0.213837	hyper	sig	chr5_141235952
chr16	87381515	87381515	+	4.757E-15	7.61875E-14	-0.22139	hypo	sig	chr16_87381515
chr2	50347621	50347621	+	4.767E-15	7.63361E-14	0.214229	hyper	sig	chr2_50347621
chr5	2565435	2565435	+	4.772E-15	7.64076E-14	-0.20207	hypo	sig	chr5_2565435

chr1	1.46E+08	146486759	+	4.779E-15	7.65171E-14	0.217045	hyper	sig	chr1_146486759
chr10	1.32E+08	132118969	+	4.78E-15	7.65248E-14	-0.22421	hypo	sig	chr10_132118969
chr13	1.13E+08	112721565	+	4.783E-15	7.6579E-14	-0.20263	hypo	sig	chr13_112721565
chr7	1.53E+08	152924960	+	4.797E-15	7.67883E-14	0.25673	hyper	sig	chr7_152924960
chr2	2.42E+08	241824172	+	4.819E-15	7.71377E-14	-0.21276	hypo	sig	chr2_241824172
chr7	2560456	2560456	+	4.822E-15	7.71761E-14	-0.20206	hypo	sig	chr7_2560456
chr1	9026419	9026419	+	4.826E-15	7.72343E-14	-0.22807	hypo	sig	chr1_9026419
chr2	1.76E+08	176109208	+	4.831E-15	7.7318E-14	0.223019	hyper	sig	chr2_176109208
chr1	1.19E+08	118992083	+	4.836E-15	7.73946E-14	0.233945	hyper	sig	chr1_118992083
chr10	1.33E+08	132785054	+	4.841E-15	7.74757E-14	0.231687	hyper	sig	chr10_132785054
chr15	24773356	24773356	+	4.846E-15	7.75446E-14	0.26581	hyper	sig	chr15_24773356
chr13	99971922	99971922	+	4.85E-15	7.76186E-14	0.215197	hyper	sig	chr13_99971922
chr2	73203243	73203243	+	4.871E-15	7.79452E-14	0.308064	hyper	sig	chr2_73203243
chr12	62191778	62191778	+	4.875E-15	7.80118E-14	0.265001	hyper	sig	chr12_62191778
chr11	1804026	1804026	+	4.88E-15	7.80773E-14	-0.28986	hypo	sig	chr11_1804026
chr20	45316646	45316646	+	4.89E-15	7.82357E-14	0.268712	hyper	sig	chr20_45316646
chr19	21269963	21269963	+	4.891E-15	7.82476E-14	-0.20389	hypo	sig	chr19_21269963
chr19	9498271	9498271	+	4.894E-15	7.83044E-14	0.253134	hyper	sig	chr19_9498271
chr17	78665974	78665974	+	4.896E-15	7.83269E-14	-0.20034	hypo	sig	chr17_78665974
chr20	31440438	31440438	+	4.899E-15	7.83795E-14	-0.21454	hypo	sig	chr20_31440438
chr19	52451384	52451384	+	4.905E-15	7.84601E-14	0.278381	hyper	sig	chr19_52451384
chr14	1.07E+08	106802819	+	4.906E-15	7.84727E-14	-0.25039	hypo	sig	chr14_106802819
chr6	10419026	10419026	+	4.917E-15	7.86585E-14	0.25054	hyper	sig	chr6_10419026
chr5	1.81E+08	181114703	+	4.922E-15	7.87356E-14	0.226407	hyper	sig	chr5_181114703
chr19	39265363	39265363	+	4.923E-15	7.87518E-14	0.296656	hyper	sig	chr19_39265363
chr1	1.75E+08	175400797	+	4.93E-15	7.88506E-14	-0.20892	hypo	sig	chr1_175400797
chr2	2.19E+08	219358599	+	4.939E-15	7.8983E-14	0.255068	hyper	sig	chr2_219358599
chr3	26622752	26622752	+	4.956E-15	7.92444E-14	0.230344	hyper	sig	chr3_26622752
chr1	2.35E+08	234970040	+	4.957E-15	7.92568E-14	0.215085	hyper	sig	chr1_234970040
chr10	7531691	7531691	+	4.96E-15	7.93001E-14	-0.23157	hypo	sig	chr10_7531691
chr1	2506210	2506210	+	4.963E-15	7.93541E-14	-0.20926	hypo	sig	chr1_2506210
chr16	85644758	85644758	+	4.964E-15	7.93721E-14	-0.20318	hypo	sig	chr16_85644758
chr12	53975763	53975763	+	4.965E-15	7.93786E-14	0.238981	hyper	sig	chr12_53975763
chr12	52319360	52319360	+	4.97E-15	7.94469E-14	-0.23361	hypo	sig	chr12_52319360
chr17	49972977	49972977	+	4.982E-15	7.96462E-14	0.200893	hyper	sig	chr17_49972977
chr10	1.32E+08	132221859	+	5.004E-15	7.99834E-14	-0.25443	hypo	sig	chr10_132221859
chr20	56924527	56924527	+	5.007E-15	8.00326E-14	0.207866	hyper	sig	chr20_56924527
chr12	54060600	54060600	+	5.011E-15	8.00998E-14	0.201873	hyper	sig	chr12_54060600
chr20	57394197	57394197	+	5.022E-15	8.02583E-14	0.276337	hyper	sig	chr20_57394197
chr3	75671053	75671053	+	5.026E-15	8.0328E-14	0.200996	hyper	sig	chr3_75671053
chr2	68318847	68318847	+	5.034E-15	8.04478E-14	0.277462	hyper	sig	chr2_68318847
chr4	13529619	13529619	+	5.048E-15	8.0665E-14	0.216932	hyper	sig	chr4_13529619
chr7	56229968	56229968	+	5.052E-15	8.07299E-14	0.204333	hyper	sig	chr7_56229968
chr9	97877107	97877107	+	5.063E-15	8.08962E-14	-0.28573	hypo	sig	chr9_97877107
chr20	63034622	63034622	+	5.073E-15	8.10569E-14	0.290289	hyper	sig	chr20_63034622
chr18	905087	905087	+	5.077E-15	8.11122E-14	0.26275	hyper	sig	chr18_905087
chr1	1.65E+08	165355239	+	5.081E-15	8.11771E-14	0.2063	hyper	sig	chr1_165355239
chr12	1.32E+08	132173334	+	5.083E-15	8.12204E-14	-0.23861	hypo	sig	chr12_132173334
chr9	36739774	36739774	+	5.091E-15	8.13468E-14	0.233943	hyper	sig	chr9_36739774
chr1	27011139	27011139	+	5.094E-15	8.1392E-14	-0.2801	hypo	sig	chr1_27011139
chr17	78170981	78170981	+	5.114E-15	8.17007E-14	-0.21452	hypo	sig	chr17_78170981
chr12	1.08E+08	107775228	+	5.117E-15	8.17495E-14	0.243192	hyper	sig	chr12_107775228
chr11	521090	521090	+	5.126E-15	8.18781E-14	-0.2195	hypo	sig	chr11_521090
chr10	99234418	99234418	+	5.14E-15	8.21034E-14	0.314791	hyper	sig	chr10_99234418
chr1	1.81E+08	180917304	+	5.141E-15	8.21146E-14	-0.2142	hypo	sig	chr1_180917304
chr6	1.46E+08	146434502	+	5.146E-15	8.21943E-14	0.225095	hyper	sig	chr6_146434502

chr19	22286626	22286626	+	5.148E-15	8.22133E-14	0.237967	hyper	sig	chr19_22286626
chr11	1.25E+08	124868611	+	5.153E-15	8.23037E-14	0.243287	hyper	sig	chr11_124868611
chr11	1.3E+08	130428995	+	5.164E-15	8.24657E-14	0.203724	hyper	sig	chr11_130428995
chr15	89360269	89360269	+	5.166E-15	8.24986E-14	0.279388	hyper	sig	chr15_89360269
chr3	10329869	10329869	+	5.166E-15	8.24986E-14	-0.2064	hypo	sig	chr3_10329869
chr19	45472702	45472702	+	5.167E-15	8.25094E-14	0.234244	hyper	sig	chr19_45472702
chr5	54887791	54887791	+	5.168E-15	8.25224E-14	-0.31146	hypo	sig	chr5_54887791
chr1	2.27E+08	226737110	+	5.17E-15	8.25593E-14	0.225007	hyper	sig	chr1_226737110
chr7	1520790	1520790	+	5.175E-15	8.26335E-14	-0.21136	hypo	sig	chr7_1520790
chr19	13836590	13836590	+	5.183E-15	8.27458E-14	-0.20978	hypo	sig	chr19_13836590
chr6	1.06E+08	105981243	+	5.186E-15	8.28039E-14	0.254366	hyper	sig	chr6_105981243
chr19	50658834	50658834	+	5.189E-15	8.28471E-14	0.282058	hyper	sig	chr19_50658834
chr8	2090043	2090043	+	5.205E-15	8.3098E-14	-0.20263	hypo	sig	chr8_2090043
chr2	2.42E+08	241900930	+	5.212E-15	8.32079E-14	-0.22445	hypo	sig	chr2_241900930
chr7	97731982	97731982	+	5.217E-15	8.32885E-14	0.237042	hyper	sig	chr7_97731982
chr19	2356509	2356509	+	5.219E-15	8.33154E-14	-0.21489	hypo	sig	chr19_2356509
chr20	56469288	56469288	+	5.229E-15	8.34647E-14	0.280702	hyper	sig	chr20_56469288
chr15	52795492	52795492	+	5.238E-15	8.36058E-14	0.251687	hyper	sig	chr15_52795492
chr10	44293229	44293229	+	5.239E-15	8.36235E-14	0.28395	hyper	sig	chr10_44293229
chr19	17377582	17377582	+	5.24E-15	8.36426E-14	-0.23541	hypo	sig	chr19_17377582
chr1	3206425	3206425	+	5.241E-15	8.36589E-14	-0.21971	hypo	sig	chr1_3206425
chr6	27505897	27505897	+	5.245E-15	8.37049E-14	0.209479	hyper	sig	chr6_27505897
chr6	30127793	30127793	+	5.276E-15	8.4198E-14	0.206429	hyper	sig	chr6_30127793
chr13	1.13E+08	113110231	+	5.283E-15	8.42939E-14	0.315551	hyper	sig	chr13_113110231
chr3	1.83E+08	183160884	+	5.301E-15	8.45837E-14	0.303911	hyper	sig	chr3_183160884
chr4	17781844	17781844	+	5.311E-15	8.47292E-14	0.253887	hyper	sig	chr4_17781844
chr11	2188771	2188771	+	5.313E-15	8.47569E-14	-0.21103	hypo	sig	chr11_2188771
chr1	11042945	11042945	+	5.317E-15	8.48222E-14	-0.24192	hypo	sig	chr1_11042945
chr22	50738283	50738283	+	5.323E-15	8.49075E-14	-0.20582	hypo	sig	chr22_50738283
chr3	1.61E+08	160757423	+	5.326E-15	8.49565E-14	0.211748	hyper	sig	chr3_160757423
chr1	2.28E+08	228149719	+	5.335E-15	8.51059E-14	-0.2851	hypo	sig	chr1_228149719
chr10	1.2E+08	120038608	+	5.349E-15	8.53147E-14	-0.24428	hypo	sig	chr10_120038608
chr2	1.05E+08	104842687	+	5.364E-15	8.55522E-14	0.219458	hyper	sig	chr2_104842687
chr7	1.5E+08	149692566	+	5.364E-15	8.55534E-14	0.285124	hyper	sig	chr7_149692566
chr7	1.08E+08	107843416	+	5.366E-15	8.55836E-14	-0.21411	hypo	sig	chr7_107843416
chr20	63467825	63467825	+	5.371E-15	8.56644E-14	-0.26782	hypo	sig	chr20_63467825
chr9	69174702	69174702	+	5.371E-15	8.56644E-14	0.221214	hyper	sig	chr9_69174702
chr7	32318933	32318933	+	5.374E-15	8.57002E-14	0.211559	hyper	sig	chr7_32318933
chr1	1.19E+08	118983826	+	5.377E-15	8.57554E-14	0.216513	hyper	sig	chr1_118983826
chr13	1.14E+08	114089936	+	5.389E-15	8.5929E-14	-0.24327	hypo	sig	chr13_114089936
chr1	6729831	6729831	+	5.389E-15	8.59332E-14	-0.25335	hypo	sig	chr1_6729831
chr10	99236590	99236590	+	5.393E-15	8.59931E-14	0.274759	hyper	sig	chr10_99236590
chr4	693119	693119	+	5.404E-15	8.61646E-14	-0.20551	hypo	sig	chr4_693119
chr6	32201192	32201192	+	5.41E-15	8.62539E-14	-0.22098	hypo	sig	chr6_32201192
chr1	2.05E+08	205069995	+	5.416E-15	8.63408E-14	-0.20897	hypo	sig	chr1_205069995
chr21	36694693	36694693	+	5.428E-15	8.65367E-14	0.225012	hyper	sig	chr21_36694693
chr19	35866798	35866798	+	5.438E-15	8.66856E-14	-0.33456	hypo	sig	chr19_35866798
chr19	55366042	55366042	+	5.443E-15	8.6763E-14	-0.25936	hypo	sig	chr19_55366042
chr19	52493415	52493415	+	5.449E-15	8.68523E-14	0.226792	hyper	sig	chr19_52493415
chr1	2.21E+08	220878427	+	5.454E-15	8.69197E-14	0.202627	hyper	sig	chr1_220878427
chr22	50041661	50041661	+	5.465E-15	8.70959E-14	-0.26959	hypo	sig	chr22_50041661
chr1	1.61E+08	161313856	+	5.467E-15	8.71224E-14	-0.27285	hypo	sig	chr1_161313856
chr11	862858	862858	+	5.476E-15	8.72465E-14	-0.21226	hypo	sig	chr11_862858
chr4	1722722	1722722	+	5.482E-15	8.7343E-14	-0.2265	hypo	sig	chr4_1722722
chr13	26558585	26558585	+	5.499E-15	8.76153E-14	0.250499	hyper	sig	chr13_26558585
chr3	1.18E+08	117997278	+	5.515E-15	8.78601E-14	0.279357	hyper	sig	chr3_117997278

chr17	34157099	34157099	+	5.518E-15	8.7907E-14	0.260076	hyper	sig	chr17_34157099
chr19	57583711	57583711	+	5.521E-15	8.79508E-14	0.276072	hyper	sig	chr19_57583711
chr11	4212256	4212256	+	5.532E-15	8.81139E-14	0.256525	hyper	sig	chr11_4212256
chr1	50416334	50416334	+	5.538E-15	8.82142E-14	0.241591	hyper	sig	chr1_50416334
chr14	93927275	93927275	+	5.551E-15	8.84191E-14	-0.2067	hypo	sig	chr14_93927275
chr19	54164522	54164522	+	5.563E-15	8.85988E-14	0.201124	hyper	sig	chr19_54164522
chr12	30201593	30201593	+	5.572E-15	8.87438E-14	0.247936	hyper	sig	chr12_30201593
chr19	45914746	45914746	+	5.583E-15	8.89128E-14	-0.26194	hypo	sig	chr19_45914746
chr19	58356271	58356271	+	5.596E-15	8.91059E-14	0.223424	hyper	sig	chr19_58356271
chr4	72032021	72032021	+	5.615E-15	8.94051E-14	0.229216	hyper	sig	chr4_72032021
chr7	1.56E+08	155799515	+	5.621E-15	8.94917E-14	-0.20582	hypo	sig	chr7_155799515
chr15	52788729	52788729	+	5.622E-15	8.94978E-14	0.256011	hyper	sig	chr15_52788729
chr8	59120273	59120273	+	5.622E-15	8.94988E-14	0.20058	hyper	sig	chr8_59120273
chr1	11979657	11979657	+	5.624E-15	8.95339E-14	-0.20842	hypo	sig	chr1_11979657
chr20	21704864	21704864	+	5.639E-15	8.97634E-14	0.259554	hyper	sig	chr20_21704864
chr14	66012853	66012853	+	5.642E-15	8.98091E-14	-0.30787	hypo	sig	chr14_66012853
chr19	40224764	40224764	+	5.651E-15	8.99483E-14	-0.2796	hypo	sig	chr19_40224764
chr12	54374045	54374045	+	5.652E-15	8.99524E-14	-0.22933	hypo	sig	chr12_54374045
chr8	1.44E+08	143599347	+	5.672E-15	9.02531E-14	0.214532	hyper	sig	chr8_143599347
chr17	57045590	57045590	+	5.677E-15	9.03271E-14	0.263006	hyper	sig	chr17_57045590
chr1	3188393	3188393	+	5.684E-15	9.04361E-14	-0.2135	hypo	sig	chr1_3188393
chr7	79454284	79454284	+	5.693E-15	9.05706E-14	0.200133	hyper	sig	chr7_79454284
chr12	53972661	53972661	+	5.699E-15	9.06651E-14	0.201414	hyper	sig	chr12_53972661
chr8	48870613	48870613	+	5.721E-15	9.1001E-14	0.26468	hyper	sig	chr8_48870613
chr3	42264990	42264990	+	5.736E-15	9.12385E-14	0.246619	hyper	sig	chr3_42264990
chr12	1.28E+08	128365907	+	5.753E-15	9.14917E-14	0.21841	hyper	sig	chr12_128365907
chr13	1.02E+08	102401293	+	5.758E-15	9.15789E-14	0.219451	hyper	sig	chr13_102401293
chr14	1.04E+08	104388637	+	5.763E-15	9.16424E-14	-0.24609	hypo	sig	chr14_104388637
chr11	67983820	67983820	+	5.763E-15	9.1648E-14	-0.21837	hypo	sig	chr11_67983820
chr17	39165615	39165615	+	5.768E-15	9.17266E-14	0.293122	hyper	sig	chr17_39165615
chr8	72251291	72251291	+	5.775E-15	9.1828E-14	0.204219	hyper	sig	chr8_72251291
chr5	493206	493206	+	5.777E-15	9.18644E-14	-0.2074	hypo	sig	chr5_493206
chr3	1.27E+08	126705007	+	5.785E-15	9.19718E-14	0.233086	hyper	sig	chr3_126705007
chr3	1.28E+08	128486372	+	5.808E-15	9.23389E-14	0.219643	hyper	sig	chr3_128486372
chr16	1533748	1533748	+	5.81E-15	9.23636E-14	0.244459	hyper	sig	chr16_1533748
chr14	1.01E+08	100778307	+	5.817E-15	9.24755E-14	-0.25063	hypo	sig	chr14_100778307
chr2	88448457	88448457	+	5.819E-15	9.24993E-14	-0.23177	hypo	sig	chr2_88448457
chr9	1.35E+08	135104472	+	5.827E-15	9.26224E-14	-0.21072	hypo	sig	chr9_135104472
chr2	70141652	70141652	+	5.841E-15	9.28359E-14	-0.24015	hypo	sig	chr2_70141652
chr1	16018879	16018879	+	5.845E-15	9.28979E-14	-0.21628	hypo	sig	chr1_16018879
chr1	1.19E+08	118985337	+	5.848E-15	9.29461E-14	0.240883	hyper	sig	chr1_118985337
chr13	42574312	42574312	+	5.849E-15	9.2962E-14	0.250109	hyper	sig	chr13_42574312
chr3	36764704	36764704	+	5.863E-15	9.31667E-14	0.243405	hyper	sig	chr3_36764704
chr1	1.83E+08	182791008	+	5.877E-15	9.33857E-14	-0.24071	hypo	sig	chr1_182791008
chr11	43577772	43577772	+	5.895E-15	9.36584E-14	0.241158	hyper	sig	chr11_43577772
chr2	27077329	27077329	+	5.898E-15	9.37161E-14	-0.21122	hypo	sig	chr2_27077329
chr19	43388666	43388666	+	5.899E-15	9.37202E-14	-0.26386	hypo	sig	chr19_43388666
chr1	1.6E+08	159929695	+	5.915E-15	9.39745E-14	-0.22145	hypo	sig	chr1_159929695
chr3	1.54E+08	154428565	+	5.918E-15	9.40225E-14	0.269637	hyper	sig	chr3_154428565
chr4	1.83E+08	182801815	+	5.92E-15	9.40395E-14	-0.20032	hypo	sig	chr4_182801815
chr10	1.33E+08	132943490	+	5.951E-15	9.45139E-14	-0.22649	hypo	sig	chr10_132943490
chr14	1.05E+08	104844318	+	5.956E-15	9.4601E-14	0.235628	hyper	sig	chr14_104844318
chr15	64921876	64921876	+	5.959E-15	9.4644E-14	-0.25552	hypo	sig	chr15_64921876
chr11	1.17E+08	117428755	+	5.96E-15	9.46463E-14	-0.20288	hypo	sig	chr11_117428755
chr19	13014219	13014219	+	5.966E-15	9.4749E-14	0.243129	hyper	sig	chr19_13014219
chr9	94607542	94607542	+	5.973E-15	9.4857E-14	-0.25108	hypo	sig	chr9_94607542

chr10	19968602	19968602	+	5.995E-15	9.51955E-14	-0.30193	hypo	sig	chr10_19968602
chr3	47009977	47009977	+	5.996E-15	9.52065E-14	0.299488	hyper	sig	chr3_47009977
chr6	28814168	28814168	+	6.003E-15	9.53163E-14	0.23365	hyper	sig	chr6_28814168
chr1	2.03E+08	203168259	+	6.004E-15	9.53278E-14	-0.26201	hypo	sig	chr1_203168259
chr12	1.19E+08	118981315	+	6.011E-15	9.54283E-14	0.235062	hyper	sig	chr12_118981315
chr20	58841817	58841817	+	6.021E-15	9.55816E-14	0.20059	hyper	sig	chr20_58841817
chr20	54475902	54475902	+	6.083E-15	9.65508E-14	0.248624	hyper	sig	chr20_54475902
chr5	392763	392763	+	6.092E-15	9.66831E-14	-0.23348	hypo	sig	chr5_392763
chr17	44053441	44053441	+	6.094E-15	9.67154E-14	-0.26555	hypo	sig	chr17_44053441
chr1	4653937	4653937	+	6.099E-15	9.67831E-14	0.273504	hyper	sig	chr1_4653937
chr14	28773967	28773967	+	6.102E-15	9.68345E-14	0.219897	hyper	sig	chr14_28773967
chr5	3599559	3599559	+	6.105E-15	9.6888E-14	0.237079	hyper	sig	chr5_3599559
chr3	1.2E+08	119810155	+	6.115E-15	9.70431E-14	0.246313	hyper	sig	chr3_119810155
chr7	1.57E+08	157003073	+	6.118E-15	9.70736E-14	0.26175	hyper	sig	chr7_157003073
chr1	2340306	2340306	+	6.143E-15	9.74704E-14	-0.22519	hypo	sig	chr1_2340306
chr6	1.7E+08	170250633	+	6.145E-15	9.74839E-14	-0.21276	hypo	sig	chr6_170250633
chr2	2.39E+08	239285965	+	6.163E-15	9.77692E-14	-0.215	hypo	sig	chr2_239285965
chr17	82342760	82342760	+	6.169E-15	9.78501E-14	-0.20821	hypo	sig	chr17_82342760
chr12	3454073	3454073	+	6.171E-15	9.78843E-14	-0.20093	hypo	sig	chr12_3454073
chr7	41967842	41967842	+	6.181E-15	9.8036E-14	-0.22041	hypo	sig	chr7_41967842
chr11	95037845	95037845	+	6.183E-15	9.80624E-14	0.231529	hyper	sig	chr11_95037845
chr11	63763525	63763525	+	6.186E-15	9.80988E-14	-0.21971	hypo	sig	chr11_63763525
chr3	1.27E+08	126704946	+	6.187E-15	9.81251E-14	0.209021	hyper	sig	chr3_126704946
chr4	1.17E+08	116925966	+	6.191E-15	9.81859E-14	0.203252	hyper	sig	chr4_116925966
chr10	1.33E+08	132879112	+	6.207E-15	9.84256E-14	-0.23065	hypo	sig	chr10_132879112
chr20	21713697	21713697	+	6.21E-15	9.84754E-14	0.209661	hyper	sig	chr20_21713697
chr5	1.34E+08	134113756	+	6.211E-15	9.84838E-14	0.284425	hyper	sig	chr5_134113756
chr6	30752432	30752432	+	6.213E-15	9.85135E-14	-0.22806	hypo	sig	chr6_30752432
chr8	1.43E+08	142567363	+	6.215E-15	9.85491E-14	-0.21412	hypo	sig	chr8_142567363
chr11	1343953	1343953	+	6.219E-15	9.86012E-14	-0.2394	hypo	sig	chr11_1343953
chr12	75207689	75207689	+	6.223E-15	9.86701E-14	0.204414	hyper	sig	chr12_75207689
chr6	10384956	10384956	+	6.235E-15	9.88525E-14	0.243831	hyper	sig	chr6_10384956
chr1	1.74E+08	173609984	+	6.236E-15	9.88687E-14	-0.22151	hypo	sig	chr1_173609984
chr9	1.27E+08	126718651	+	6.241E-15	9.8945E-14	-0.2615	hypo	sig	chr9_126718651
chr1	1060908	1060908	+	6.244E-15	9.89809E-14	-0.30896	hypo	sig	chr1_1060908
chr19	9498719	9498719	+	6.249E-15	9.90648E-14	0.208287	hyper	sig	chr19_9498719
chr14	36666654	36666654	+	6.253E-15	9.9115E-14	0.209261	hyper	sig	chr14_36666654
chr8	1755880	1755880	+	6.255E-15	9.91565E-14	-0.23046	hypo	sig	chr8_1755880
chr18	11755775	11755775	+	6.26E-15	9.92195E-14	-0.25348	hypo	sig	chr18_11755775
chr1	2.34E+08	234230010	+	6.264E-15	9.92874E-14	-0.20863	hypo	sig	chr1_234230010
chr9	1.37E+08	136652103	+	6.277E-15	9.94824E-14	-0.21264	hypo	sig	chr9_136652103
chr1	6111696	6111696	+	6.278E-15	9.95029E-14	-0.23339	hypo	sig	chr1_6111696
chr18	79430034	79430034	+	6.279E-15	9.95121E-14	-0.21404	hypo	sig	chr18_79430034
chr21	44708993	44708993	+	6.282E-15	9.95586E-14	0.245101	hyper	sig	chr21_44708993
chr8	9898269	9898269	+	6.288E-15	9.96488E-14	0.241583	hyper	sig	chr8_9898269
chr20	62774233	62774233	+	6.289E-15	9.96645E-14	-0.22712	hypo	sig	chr20_62774233
chr5	17654491	17654491	+	6.294E-15	9.97349E-14	-0.29959	hypo	sig	chr5_17654491
chr15	79433256	79433256	+	6.296E-15	9.9771E-14	0.262095	hyper	sig	chr15_79433256
chr1	1.62E+08	161722121	+	6.298E-15	9.97914E-14	-0.29736	hypo	sig	chr1_161722121
chr3	62370445	62370445	+	6.303E-15	9.98725E-14	0.237298	hyper	sig	chr3_62370445
chr5	88678141	88678141	+	6.306E-15	9.99179E-14	0.201198	hyper	sig	chr5_88678141
chr2	2872372	2872372	+	6.307E-15	9.99343E-14	-0.25564	hypo	sig	chr2_2872372
chr15	68430044	68430044	+	6.316E-15	1.00065E-13	-0.20302	hypo	sig	chr15_68430044
chr4	80185509	80185509	+	6.318E-15	1.00092E-13	0.263505	hyper	sig	chr4_80185509
chr5	77958041	77958041	+	6.321E-15	1.00142E-13	0.312936	hyper	sig	chr5_77958041
chr5	1.8E+08	180138541	+	6.321E-15	1.00142E-13	-0.22962	hypo	sig	chr5_180138541

chr10	71318875	71318875	+	6.322E-15	1.00146E-13	-0.20866	hypo	sig	chr10_71318875
chr14	70187040	70187040	+	6.325E-15	1.00189E-13	0.303953	hyper	sig	chr14_70187040
chr1	1.55E+08	154568440	+	6.355E-15	1.00662E-13	-0.21811	hypo	sig	chr1_154568440
chr22	22520104	22520104	+	6.376E-15	1.00979E-13	-0.22125	hypo	sig	chr22_22520104
chr5	88695254	88695254	+	6.377E-15	1.00988E-13	0.276358	hyper	sig	chr5_88695254
chr14	62056227	62056227	+	6.382E-15	1.01064E-13	-0.23657	hypo	sig	chr14_62056227
chr9	1.27E+08	126615016	+	6.384E-15	1.011E-13	0.211764	hyper	sig	chr9_126615016
chr11	43582676	43582676	+	6.389E-15	1.01177E-13	0.214321	hyper	sig	chr11_43582676
chr5	1.41E+08	141234758	+	6.39E-15	1.01189E-13	0.226836	hyper	sig	chr5_141234758
chr19	55452681	55452681	+	6.4E-15	1.01343E-13	0.288215	hyper	sig	chr19_55452681
chr2	96985818	96985818	+	6.41E-15	1.01501E-13	-0.2437	hypo	sig	chr2_96985818
chr9	1.32E+08	131501503	+	6.429E-15	1.01782E-13	-0.23635	hypo	sig	chr9_131501503
chr15	24878217	24878217	+	6.441E-15	1.0197E-13	0.206327	hyper	sig	chr15_24878217
chr16	3175026	3175026	+	6.449E-15	1.02083E-13	0.216053	hyper	sig	chr16_3175026
chr16	66974346	66974346	+	6.465E-15	1.02326E-13	-0.24263	hypo	sig	chr16_66974346
chr10	7411632	7411632	+	6.468E-15	1.02382E-13	0.245121	hyper	sig	chr10_7411632
chr3	26622100	26622100	+	6.483E-15	1.02602E-13	0.281276	hyper	sig	chr3_26622100
chr17	76135508	76135508	+	6.483E-15	1.02608E-13	-0.22223	hypo	sig	chr17_76135508
chr15	41501503	41501503	+	6.495E-15	1.02792E-13	0.277309	hyper	sig	chr15_41501503
chr4	7983581	7983581	+	6.496E-15	1.02807E-13	0.249812	hyper	sig	chr4_7983581
chr14	1.04E+08	104223988	+	6.504E-15	1.02916E-13	0.273509	hyper	sig	chr14_104223988
chr11	17718827	17718827	+	6.505E-15	1.02937E-13	0.221801	hyper	sig	chr11_17718827
chr7	1.58E+08	157522480	+	6.509E-15	1.02991E-13	-0.22076	hypo	sig	chr7_157522480
chr5	1.77E+08	176883162	+	6.515E-15	1.03086E-13	-0.22445	hypo	sig	chr5_176883162
chr1	40818300	40818300	+	6.518E-15	1.03139E-13	0.252454	hyper	sig	chr1_40818300
chr6	1.64E+08	164336702	+	6.527E-15	1.03266E-13	-0.21926	hypo	sig	chr6_164336702
chr4	61201099	61201099	+	6.538E-15	1.03447E-13	0.27189	hyper	sig	chr4_61201099
chr15	92624854	92624854	+	6.578E-15	1.04054E-13	-0.21248	hypo	sig	chr15_92624854
chr2	568276	568276	+	6.578E-15	1.04054E-13	-0.21627	hypo	sig	chr2_568276
chr17	1006060	1006060	+	6.595E-15	1.04312E-13	-0.25548	hypo	sig	chr17_1006060
chr9	1.36E+08	135783211	+	6.597E-15	1.04343E-13	-0.21501	hypo	sig	chr9_135783211
chr1	2.21E+08	220891973	+	6.599E-15	1.04367E-13	0.212568	hyper	sig	chr1_220891973
chr7	1234513	1234513	+	6.606E-15	1.04476E-13	0.224667	hyper	sig	chr7_1234513
chr5	1174359	1174359	+	6.615E-15	1.0461E-13	-0.22069	hypo	sig	chr5_1174359
chr10	1.01E+08	100655599	+	6.631E-15	1.04869E-13	0.241493	hyper	sig	chr10_100655599
chr4	48484358	48484358	+	6.633E-15	1.04892E-13	0.231697	hyper	sig	chr4_48484358
chr4	10458396	10458396	+	6.643E-15	1.05041E-13	-0.22728	hypo	sig	chr4_10458396
chr7	1.54E+08	153887358	+	6.686E-15	1.05688E-13	0.284933	hyper	sig	chr7_153887358
chr20	25083667	25083667	+	6.697E-15	1.05867E-13	0.219494	hyper	sig	chr20_25083667
chr1	1430491	1430491	+	6.711E-15	1.06083E-13	-0.2679	hypo	sig	chr1_1430491
chr16	58511607	58511607	+	6.72E-15	1.0622E-13	-0.21907	hypo	sig	chr16_58511607
chr6	1.46E+08	146029321	+	6.744E-15	1.0659E-13	0.253491	hyper	sig	chr6_146029321
chr20	21102172	21102172	+	6.755E-15	1.06748E-13	0.225818	hyper	sig	chr20_21102172
chr5	63959868	63959868	+	6.765E-15	1.06909E-13	0.274745	hyper	sig	chr5_63959868
chr2	2.42E+08	241820444	+	6.766E-15	1.06917E-13	-0.25028	hypo	sig	chr2_241820444
chr2	26971545	26971545	+	6.766E-15	1.06925E-13	-0.26094	hypo	sig	chr2_26971545
chr4	7697884	7697884	+	6.773E-15	1.0703E-13	-0.22266	hypo	sig	chr4_7697884
chr2	53860352	53860352	+	6.778E-15	1.07097E-13	0.275407	hyper	sig	chr2_53860352
chr9	1.29E+08	129257039	+	6.787E-15	1.07248E-13	-0.2619	hypo	sig	chr9_129257039
chr7	1E+08	100397721	+	6.796E-15	1.07383E-13	-0.2285	hypo	sig	chr7_100397721
chr2	2.13E+08	212537023	+	6.797E-15	1.07398E-13	0.258613	hyper	sig	chr2_212537023
chr7	27110568	27110568	+	6.802E-15	1.07473E-13	0.23719	hyper	sig	chr7_27110568
chr7	27144187	27144187	+	6.805E-15	1.07514E-13	0.205883	hyper	sig	chr7_27144187
chr3	68007757	68007757	+	6.806E-15	1.07522E-13	0.266216	hyper	sig	chr3_68007757
chr1	1937214	1937214	+	6.807E-15	1.07534E-13	-0.23818	hypo	sig	chr1_1937214
chr17	81161336	81161336	+	6.812E-15	1.07609E-13	-0.20398	hypo	sig	chr17_81161336

chr4	1.57E+08	157220422	+	6.816E-15	1.0767E-13	0.219378	hyper	sig	chr4_157220422
chr13	1.13E+08	113110244	+	6.839E-15	1.08024E-13	0.27753	hyper	sig	chr13_113110244
chr2	86809866	86809866	+	6.847E-15	1.08141E-13	0.202428	hyper	sig	chr2_86809866
chr13	35478512	35478512	+	6.851E-15	1.08201E-13	0.236724	hyper	sig	chr13_35478512
chr16	46930097	46930097	+	6.858E-15	1.08323E-13	0.237408	hyper	sig	chr16_46930097
chr17	77258180	77258180	+	6.86E-15	1.08341E-13	-0.24777	hypo	sig	chr17_77258180
chr15	41501484	41501484	+	6.877E-15	1.086E-13	0.248926	hyper	sig	chr15_41501484
chr13	83879744	83879744	+	6.879E-15	1.08636E-13	0.219351	hyper	sig	chr13_83879744
chr11	64972130	64972130	+	6.893E-15	1.08856E-13	0.343361	hyper	sig	chr11_64972130
chr11	72244533	72244533	+	6.895E-15	1.08874E-13	0.223631	hyper	sig	chr11_72244533
chr11	267613	267613	+	6.895E-15	1.08884E-13	-0.22929	hypo	sig	chr11_267613
chr3	1.98E+08	198081770	+	6.922E-15	1.09291E-13	0.203366	hyper	sig	chr3_198081770
chr19	58033833	58033833	+	6.93E-15	1.09417E-13	0.227301	hyper	sig	chr19_58033833
chr10	1.33E+08	132851714	+	6.931E-15	1.09426E-13	-0.25501	hypo	sig	chr10_132851714
chr6	28817011	28817011	+	6.934E-15	1.0947E-13	0.28515	hyper	sig	chr6_28817011
chr7	42228077	42228077	+	6.937E-15	1.09516E-13	0.213526	hyper	sig	chr7_42228077
chr9	1.22E+08	122220546	+	6.948E-15	1.09681E-13	0.211748	hyper	sig	chr9_122220546
chr2	868993	868993	+	6.951E-15	1.0972E-13	0.20029	hyper	sig	chr2_868993
chr19	57709199	57709199	+	6.958E-15	1.09832E-13	0.249671	hyper	sig	chr19_57709199
chr11	1.23E+08	123303061	+	6.964E-15	1.09918E-13	-0.30179	hypo	sig	chr11_123303061
chr20	19974897	19974897	+	6.976E-15	1.10099E-13	0.206864	hyper	sig	chr20_19974897
chr15	59993476	59993476	+	6.983E-15	1.10206E-13	0.212249	hyper	sig	chr15_59993476
chr10	99234386	99234386	+	6.999E-15	1.10446E-13	0.292019	hyper	sig	chr10_99234386
chr3	1.98E+08	197520060	+	7.001E-15	1.10473E-13	-0.30579	hypo	sig	chr3_197520060
chr5	1.79E+08	179120898	+	7.001E-15	1.10477E-13	-0.25032	hypo	sig	chr5_179120898
chr15	89357558	89357558	+	7.013E-15	1.10663E-13	-0.22435	hypo	sig	chr15_89357558
chr5	1.77E+08	176619885	+	7.017E-15	1.10713E-13	0.215596	hyper	sig	chr5_176619885
chr7	1.53E+08	152895606	+	7.025E-15	1.1084E-13	-0.23825	hypo	sig	chr7_152895606
chr4	3793678	3793678	+	7.034E-15	1.10982E-13	-0.20487	hypo	sig	chr4_3793678
chr19	57560245	57560245	+	7.071E-15	1.11547E-13	0.285062	hyper	sig	chr19_57560245
chr16	51149511	51149511	+	7.074E-15	1.11596E-13	0.224222	hyper	sig	chr16_51149511
chr15	88605100	88605100	+	7.078E-15	1.11655E-13	0.216605	hyper	sig	chr15_88605100
chr1	99849497	99849497	+	7.079E-15	1.11663E-13	-0.25799	hypo	sig	chr1_99849497
chr1	1.47E+08	147073151	+	7.079E-15	1.11665E-13	0.272382	hyper	sig	chr1_147073151
chr12	62191334	62191334	+	7.08E-15	1.11673E-13	0.21709	hyper	sig	chr12_62191334
chr8	54469942	54469942	+	7.09E-15	1.11825E-13	0.221256	hyper	sig	chr8_54469942
chr12	98863260	98863260	+	7.092E-15	1.11851E-13	-0.26712	hypo	sig	chr12_98863260
chr2	1.82E+08	181683520	+	7.092E-15	1.11851E-13	0.241222	hyper	sig	chr2_181683520
chr6	1.66E+08	166169980	+	7.121E-15	1.12285E-13	0.323997	hyper	sig	chr6_166169980
chr5	1.33E+08	132748455	+	7.128E-15	1.12383E-13	-0.22007	hypo	sig	chr5_132748455
chr16	804552	804552	+	7.136E-15	1.12513E-13	-0.22063	hypo	sig	chr16_804552
chr17	76386901	76386901	+	7.138E-15	1.12545E-13	-0.2094	hypo	sig	chr17_76386901
chr20	21703752	21703752	+	7.145E-15	1.12642E-13	0.278524	hyper	sig	chr20_21703752
chr6	1.6E+08	159820524	+	7.148E-15	1.12691E-13	-0.21464	hypo	sig	chr6_159820524
chr11	1.35E+08	134712864	+	7.163E-15	1.12912E-13	-0.20854	hypo	sig	chr11_134712864
chr4	39640158	39640158	+	7.166E-15	1.12957E-13	-0.27059	hypo	sig	chr4_39640158
chr2	2.06E+08	205686775	+	7.185E-15	1.13248E-13	0.20576	hyper	sig	chr2_205686775
chr19	39308428	39308428	+	7.198E-15	1.13435E-13	0.217846	hyper	sig	chr19_39308428
chr16	760917	760917	+	7.212E-15	1.13657E-13	-0.20737	hypo	sig	chr16_760917
chr11	69250035	69250035	+	7.215E-15	1.137E-13	-0.21719	hypo	sig	chr11_69250035
chr13	1.08E+08	108495585	+	7.217E-15	1.13725E-13	0.252658	hyper	sig	chr13_108495585
chr19	58043111	58043111	+	7.221E-15	1.1378E-13	0.201107	hyper	sig	chr19_58043111
chr11	1.29E+08	128692535	+	7.251E-15	1.1425E-13	0.231625	hyper	sig	chr11_128692535
chr10	1.33E+08	133217009	+	7.271E-15	1.14548E-13	-0.20046	hypo	sig	chr10_133217009
chr4	55793632	55793632	+	7.277E-15	1.14645E-13	0.218495	hyper	sig	chr4_55793632
chr7	1.5E+08	149692564	+	7.285E-15	1.14751E-13	0.258787	hyper	sig	chr7_149692564

chr14	92322573	92322573	+	7.289E-15	1.14818E-13	0.226935	hyper	sig	chr14_92322573
chr22	43345131	43345131	+	7.29E-15	1.1483E-13	-0.22176	hypo	sig	chr22_43345131
chr5	1.2E+08	120465284	+	7.291E-15	1.14851E-13	0.202009	hyper	sig	chr5_120465284
chr2	98346581	98346581	+	7.293E-15	1.14879E-13	0.20107	hyper	sig	chr2_98346581
chr19	37817752	37817752	+	7.305E-15	1.1506E-13	0.240634	hyper	sig	chr19_37817752
chr15	55589027	55589027	+	7.325E-15	1.15354E-13	0.290889	hyper	sig	chr15_55589027
chr4	41751117	41751117	+	7.325E-15	1.15361E-13	0.211341	hyper	sig	chr4_41751117
chr2	2.06E+08	206444150	+	7.362E-15	1.15916E-13	0.226708	hyper	sig	chr2_206444150
chr20	610504	610504	+	7.369E-15	1.16019E-13	0.273724	hyper	sig	chr20_610504
chr12	53930764	53930764	+	7.37E-15	1.16047E-13	0.210844	hyper	sig	chr12_53930764
chr4	41879394	41879394	+	7.371E-15	1.16056E-13	0.226186	hyper	sig	chr4_41879394
chr4	808591	808591	+	7.389E-15	1.16335E-13	-0.2065	hypo	sig	chr4_808591
chr11	1.19E+08	119470539	+	7.403E-15	1.16544E-13	-0.20098	hypo	sig	chr11_119470539
chr14	1.05E+08	105185452	+	7.407E-15	1.16612E-13	-0.24571	hypo	sig	chr14_105185452
chr9	1.35E+08	134783869	+	7.415E-15	1.16721E-13	-0.21715	hypo	sig	chr9_134783869
chr3	27723993	27723993	+	7.437E-15	1.17058E-13	0.20446	hyper	sig	chr3_27723993
chr7	1.58E+08	157769085	+	7.445E-15	1.17183E-13	-0.20022	hypo	sig	chr7_157769085
chr1	1.19E+08	118985807	+	7.46E-15	1.17408E-13	0.222634	hyper	sig	chr1_118985807
chr9	1.37E+08	136986066	+	7.462E-15	1.17432E-13	0.237081	hyper	sig	chr9_136986066
chr13	20223554	20223554	+	7.463E-15	1.1745E-13	-0.21245	hypo	sig	chr13_20223554
chr17	3960762	3960762	+	7.469E-15	1.17535E-13	-0.24042	hypo	sig	chr17_3960762
chr20	21701393	21701393	+	7.476E-15	1.17645E-13	0.23356	hyper	sig	chr20_21701393
chr5	1.79E+08	178520487	+	7.483E-15	1.17748E-13	-0.24079	hypo	sig	chr5_178520487
chr12	7873022	7873022	+	7.493E-15	1.17899E-13	0.233449	hyper	sig	chr12_7873022
chr6	72097044	72097044	+	7.5E-15	1.17999E-13	-0.22377	hypo	sig	chr6_72097044
chr10	1.18E+08	117556273	+	7.501E-15	1.18005E-13	-0.24193	hypo	sig	chr10_117556273
chr12	76883358	76883358	+	7.505E-15	1.18067E-13	-0.20893	hypo	sig	chr12_76883358
chr11	637491	637491	+	7.508E-15	1.18116E-13	0.20833	hyper	sig	chr11_637491
chr1	52843029	52843029	+	7.508E-15	1.18116E-13	0.211318	hyper	sig	chr1_52843029
chr16	66948770	66948770	+	7.516E-15	1.18227E-13	0.222054	hyper	sig	chr16_66948770
chr2	2.41E+08	240918641	+	7.518E-15	1.18255E-13	-0.20143	hypo	sig	chr2_240918641
chr7	1421097	1421097	+	7.523E-15	1.18341E-13	-0.21839	hypo	sig	chr7_1421097
chr4	1.47E+08	146640929	+	7.53E-15	1.18445E-13	0.321098	hyper	sig	chr4_146640929
chr1	75130184	75130184	+	7.536E-15	1.18525E-13	0.208401	hyper	sig	chr1_75130184
chr5	73444966	73444966	+	7.536E-15	1.18533E-13	0.241531	hyper	sig	chr5_73444966
chr19	9363192	9363192	+	7.552E-15	1.18773E-13	0.231349	hyper	sig	chr19_9363192
chr1	1.19E+08	118988422	+	7.564E-15	1.18949E-13	0.249823	hyper	sig	chr1_118988422
chr2	1.2E+08	120358881	+	7.565E-15	1.18959E-13	-0.20571	hypo	sig	chr2_120358881
chr9	97852770	97852770	+	7.567E-15	1.18997E-13	0.211541	hyper	sig	chr9_97852770
chr11	1.14E+08	114199488	+	7.579E-15	1.19176E-13	-0.20262	hypo	sig	chr11_114199488
chr10	86263300	86263300	+	7.581E-15	1.19205E-13	0.230616	hyper	sig	chr10_86263300
chr8	26047480	26047480	+	7.589E-15	1.1933E-13	0.244321	hyper	sig	chr8_26047480
chr19	33771195	33771195	+	7.598E-15	1.19473E-13	-0.23017	hypo	sig	chr19_33771195
chr15	74752010	74752010	+	7.604E-15	1.19549E-13	-0.28584	hypo	sig	chr15_74752010
chr17	44268110	44268110	+	7.609E-15	1.19623E-13	-0.27037	hypo	sig	chr17_44268110
chr10	1.19E+08	118595638	+	7.613E-15	1.19687E-13	0.210143	hyper	sig	chr10_118595638
chr15	24773344	24773344	+	7.628E-15	1.1991E-13	0.252329	hyper	sig	chr15_24773344
chr15	69463483	69463483	+	7.646E-15	1.20192E-13	-0.25069	hypo	sig	chr15_69463483
chr11	1.13E+08	112963767	+	7.647E-15	1.20206E-13	0.238625	hyper	sig	chr11_112963767
chr22	44501404	44501404	+	7.653E-15	1.2029E-13	-0.25505	hypo	sig	chr22_44501404
chr9	1052573	1052573	+	7.667E-15	1.20512E-13	0.23558	hyper	sig	chr9_1052573
chr14	26204978	26204978	+	7.678E-15	1.20673E-13	0.209655	hyper	sig	chr14_26204978
chr1	1986551	1986551	+	7.688E-15	1.20826E-13	-0.2439	hypo	sig	chr1_1986551
chr6	1.12E+08	112362392	+	7.694E-15	1.20909E-13	-0.27778	hypo	sig	chr6_112362392
chr7	27106405	27106405	+	7.704E-15	1.21071E-13	0.202093	hyper	sig	chr7_27106405
chr1	2.48E+08	247937192	+	7.712E-15	1.21189E-13	0.200728	hyper	sig	chr1_247937192

chr19	58356278	58356278	+	7.72E-15	1.21311E-13	0.214289	hyper	sig	chr19_58356278
chr15	89360391	89360391	+	7.729E-15	1.2144E-13	0.234798	hyper	sig	chr15_89360391
chr11	15938031	15938031	+	7.782E-15	1.22273E-13	-0.22111	hypo	sig	chr11_15938031
chr7	2440832	2440832	+	7.812E-15	1.22735E-13	-0.26586	hypo	sig	chr7_2440832
chr19	18233105	18233105	+	7.813E-15	1.22739E-13	0.239256	hyper	sig	chr19_18233105
chr12	1.07E+08	107331335	+	7.833E-15	1.23047E-13	-0.2075	hypo	sig	chr12_107331335
chr15	23897818	23897818	+	7.844E-15	1.23211E-13	0.235446	hyper	sig	chr15_23897818
chr19	56671642	56671642	+	7.844E-15	1.23211E-13	0.23296	hyper	sig	chr19_56671642
chr13	20137465	20137465	+	7.872E-15	1.23625E-13	-0.24747	hypo	sig	chr13_20137465
chr17	45981394	45981394	+	7.88E-15	1.23752E-13	-0.22749	hypo	sig	chr17_45981394
chr5	63961725	63961725	+	7.928E-15	1.24489E-13	0.237183	hyper	sig	chr5_63961725
chr7	1.57E+08	157045118	+	7.936E-15	1.24608E-13	-0.23002	hypo	sig	chr7_157045118
chr11	45858179	45858179	+	7.937E-15	1.24609E-13	0.220047	hyper	sig	chr11_45858179
chr12	1.32E+08	132295574	+	7.943E-15	1.24703E-13	-0.28379	hypo	sig	chr12_132295574
chr17	35488548	35488548	+	7.964E-15	1.25018E-13	0.216152	hyper	sig	chr17_35488548
chr19	50428618	50428618	+	7.964E-15	1.25027E-13	-0.20434	hypo	sig	chr19_50428618
chr4	10458350	10458350	+	7.967E-15	1.25072E-13	-0.21914	hypo	sig	chr4_10458350
chr2	38073719	38073719	+	7.969E-15	1.25099E-13	0.208745	hyper	sig	chr2_38073719
chr6	10389868	10389868	+	7.972E-15	1.25132E-13	0.296474	hyper	sig	chr6_10389868
chr7	6664414	6664414	+	7.974E-15	1.2516E-13	0.218044	hyper	sig	chr7_6664414
chr2	2.01E+08	200586239	+	7.992E-15	1.25441E-13	0.246528	hyper	sig	chr2_200586239
chr11	2147355	2147355	+	7.995E-15	1.25478E-13	-0.21097	hypo	sig	chr11_2147355
chr7	1.54E+08	153749021	+	8.001E-15	1.25562E-13	0.323103	hyper	sig	chr7_153749021
chr11	1.23E+08	123195813	+	8.004E-15	1.25618E-13	0.216562	hyper	sig	chr11_123195813
chr1	78491926	78491926	+	8.013E-15	1.25745E-13	0.218885	hyper	sig	chr1_78491926
chr11	69048214	69048214	+	8.025E-15	1.25935E-13	-0.21178	hypo	sig	chr11_69048214
chr7	64045883	64045883	+	8.03E-15	1.26009E-13	0.218898	hyper	sig	chr7_64045883
chr16	23836654	23836654	+	8.035E-15	1.26073E-13	0.201929	hyper	sig	chr16_23836654
chr7	19112559	19112559	+	8.041E-15	1.26154E-13	0.254015	hyper	sig	chr7_19112559
chr6	41682964	41682964	+	8.064E-15	1.26515E-13	-0.21954	hypo	sig	chr6_41682964
chr13	1.14E+08	113657702	+	8.076E-15	1.26687E-13	-0.20537	hypo	sig	chr13_113657702
chr2	1.05E+08	104868265	+	8.08E-15	1.26755E-13	0.222383	hyper	sig	chr2_104868265
chr13	1.13E+08	113420036	+	8.081E-15	1.26763E-13	-0.21219	hypo	sig	chr13_113420036
chr10	13891637	13891637	+	8.093E-15	1.2694E-13	0.211721	hyper	sig	chr10_13891637
chr6	10384867	10384867	+	8.108E-15	1.27171E-13	0.258587	hyper	sig	chr6_10384867
chr5	1.29E+08	128537835	+	8.112E-15	1.27232E-13	0.209966	hyper	sig	chr5_128537835
chr1	2.48E+08	248165560	+	8.117E-15	1.27309E-13	-0.21486	hypo	sig	chr1_248165560
chr13	87677506	87677506	+	8.188E-15	1.28396E-13	0.223661	hyper	sig	chr13_87677506
chr16	23597375	23597375	+	8.19E-15	1.28419E-13	-0.25921	hypo	sig	chr16_23597375
chr7	5531977	5531977	+	8.193E-15	1.28474E-13	-0.24232	hypo	sig	chr7_5531977
chr3	1.72E+08	172449985	+	8.2E-15	1.28571E-13	0.205141	hyper	sig	chr3_172449985
chr12	1.19E+08	118774570	+	8.213E-15	1.28763E-13	0.256342	hyper	sig	chr12_118774570
chr15	25717572	25717572	+	8.215E-15	1.28796E-13	-0.21101	hypo	sig	chr15_25717572
chr15	82710180	82710180	+	8.226E-15	1.28959E-13	0.249424	hyper	sig	chr15_82710180
chr14	1.01E+08	100885174	+	8.233E-15	1.29063E-13	-0.20367	hypo	sig	chr14_100885174
chr10	1.1E+08	109924047	+	8.238E-15	1.29123E-13	-0.26166	hypo	sig	chr10_109924047
chr1	3178206	3178206	+	8.25E-15	1.29313E-13	-0.2189	hypo	sig	chr1_3178206
chr5	77080373	77080373	+	8.255E-15	1.29384E-13	-0.20103	hypo	sig	chr5_77080373
chr8	64576174	64576174	+	8.256E-15	1.29399E-13	0.207752	hyper	sig	chr8_64576174
chr4	2812339	2812339	+	8.257E-15	1.29409E-13	-0.20154	hypo	sig	chr4_2812339
chr5	1.41E+08	141235238	+	8.258E-15	1.29421E-13	0.207191	hyper	sig	chr5_141235238
chr1	1434496	1434496	+	8.268E-15	1.2958E-13	-0.24495	hypo	sig	chr1_1434496
chr5	1.41E+08	141491834	+	8.282E-15	1.29788E-13	0.233745	hyper	sig	chr5_141491834
chr12	53938230	53938230	+	8.289E-15	1.29887E-13	0.213658	hyper	sig	chr12_53938230
chr4	577210	577210	+	8.306E-15	1.30151E-13	0.211886	hyper	sig	chr4_577210
chr14	74406762	74406762	+	8.325E-15	1.30437E-13	-0.26003	hypo	sig	chr14_74406762

chr11	1.23E+08	122976532	+	8.334E-15	1.30578E-13	0.27684	hyper	sig	chr11_122976532
chr12	1.27E+08	127171206	+	8.365E-15	1.31049E-13	-0.23883	hypo	sig	chr12_127171206
chr10	1.32E+08	132295167	+	8.379E-15	1.3126E-13	-0.23449	hypo	sig	chr10_132295167
chr2	1E+08	100106648	+	8.419E-15	1.31856E-13	-0.22558	hypo	sig	chr2_100106648
chr19	39308464	39308464	+	8.421E-15	1.31889E-13	0.204191	hyper	sig	chr19_39308464
chr5	17656572	17656572	+	8.43E-15	1.32027E-13	-0.2333	hypo	sig	chr5_17656572
chr8	52564922	52564922	+	8.432E-15	1.32039E-13	0.207671	hyper	sig	chr8_52564922
chr5	1.13E+08	113070092	+	8.433E-15	1.32065E-13	-0.20518	hypo	sig	chr5_113070092
chr1	1.97E+08	196878068	+	8.438E-15	1.32133E-13	0.22954	hyper	sig	chr1_196878068
chr16	10815504	10815504	+	8.442E-15	1.32192E-13	-0.23051	hypo	sig	chr16_10815504
chr5	2643171	2643171	+	8.454E-15	1.32371E-13	0.200712	hyper	sig	chr5_2643171
chr10	70296842	70296842	+	8.459E-15	1.32441E-13	-0.22377	hypo	sig	chr10_70296842
chr8	1.08E+08	108082320	+	8.476E-15	1.32699E-13	0.218264	hyper	sig	chr8_108082320
chr12	54019297	54019297	+	8.479E-15	1.32744E-13	0.227756	hyper	sig	chr12_54019297
chr17	44558363	44558363	+	8.501E-15	1.33084E-13	0.272598	hyper	sig	chr17_44558363
chr15	25696689	25696689	+	8.507E-15	1.33177E-13	-0.22784	hypo	sig	chr15_25696689
chr14	1.01E+08	100836177	+	8.522E-15	1.33395E-13	-0.20803	hypo	sig	chr14_100836177
chr17	46850937	46850937	+	8.531E-15	1.33522E-13	0.202493	hyper	sig	chr17_46850937
chr7	1144657	1144657	+	8.541E-15	1.33683E-13	-0.2188	hypo	sig	chr7_1144657
chr10	43340612	43340612	+	8.545E-15	1.3375E-13	-0.27153	hypo	sig	chr10_43340612
chr19	3721327	3721327	+	8.564E-15	1.34029E-13	-0.21311	hypo	sig	chr19_3721327
chr19	57560214	57560214	+	8.574E-15	1.34181E-13	0.291461	hyper	sig	chr19_57560214
chr1	2.21E+08	220891593	+	8.575E-15	1.34189E-13	0.229432	hyper	sig	chr1_220891593
chr20	5303883	5303883	+	8.611E-15	1.34749E-13	-0.25021	hypo	sig	chr20_5303883
chr1	2.28E+08	228391347	+	8.635E-15	1.3511E-13	-0.21911	hypo	sig	chr1_228391347
chr3	1.97E+08	197454902	+	8.641E-15	1.3521E-13	-0.22846	hypo	sig	chr3_197454902
chr1	1.53E+08	152827469	+	8.642E-15	1.35223E-13	-0.20701	hypo	sig	chr1_152827469
chr16	57512623	57512623	+	8.652E-15	1.35372E-13	-0.21544	hypo	sig	chr16_57512623
chr11	1.34E+08	134069762	+	8.658E-15	1.35458E-13	0.23728	hyper	sig	chr11_134069762
chr1	2.31E+08	230744382	+	8.682E-15	1.35809E-13	-0.20917	hypo	sig	chr1_230744382
chr16	3175101	3175101	+	8.691E-15	1.35949E-13	0.276626	hyper	sig	chr16_3175101
chr12	1.32E+08	132203209	+	8.717E-15	1.3635E-13	-0.26984	hypo	sig	chr12_132203209
chr11	691435	691435	+	8.725E-15	1.36471E-13	-0.23514	hypo	sig	chr11_691435
chr11	1.3E+08	130446121	+	8.733E-15	1.36596E-13	-0.21492	hypo	sig	chr11_130446121
chr6	14001402	14001402	+	8.745E-15	1.36779E-13	-0.23947	hypo	sig	chr6_14001402
chr16	3184207	3184207	+	8.76E-15	1.37007E-13	0.259632	hyper	sig	chr16_3184207
chr5	1.35E+08	135038966	+	8.767E-15	1.37109E-13	0.229233	hyper	sig	chr5_135038966
chr17	48720331	48720331	+	8.77E-15	1.37152E-13	0.27126	hyper	sig	chr17_48720331
chr16	85651247	85651247	+	8.789E-15	1.37444E-13	-0.20232	hypo	sig	chr16_85651247
chr2	38074625	38074625	+	8.838E-15	1.38188E-13	0.232338	hyper	sig	chr2_38074625
chr11	49208521	49208521	+	8.851E-15	1.38377E-13	0.256248	hyper	sig	chr11_49208521
chr10	71062877	71062877	+	8.855E-15	1.38444E-13	-0.23259	hypo	sig	chr10_71062877
chr20	63801854	63801854	+	8.901E-15	1.39143E-13	-0.34761	hypo	sig	chr20_63801854
chr19	13014207	13014207	+	8.929E-15	1.39569E-13	0.249467	hyper	sig	chr19_13014207
chr9	1.36E+08	136202845	+	8.949E-15	1.3987E-13	0.205126	hyper	sig	chr9_136202845
chr17	78870629	78870629	+	8.953E-15	1.39925E-13	-0.21	hypo	sig	chr17_78870629
chr11	14904844	14904844	+	8.956E-15	1.3998E-13	0.207752	hyper	sig	chr11_14904844
chr15	67826518	67826518	+	8.956E-15	1.3998E-13	0.249338	hyper	sig	chr15_67826518
chr13	36346707	36346707	+	8.959E-15	1.40021E-13	0.210379	hyper	sig	chr13_36346707
chr11	32427727	32427727	+	8.997E-15	1.40587E-13	0.224112	hyper	sig	chr11_32427727
chr6	80070540	80070540	+	9.012E-15	1.40809E-13	-0.21594	hypo	sig	chr6_80070540
chr7	1.57E+08	157045239	+	9.027E-15	1.41038E-13	-0.2616	hypo	sig	chr7_157045239
chr5	1.36E+08	136365496	+	9.053E-15	1.41431E-13	0.237317	hyper	sig	chr5_136365496
chr17	77258174	77258174	+	9.066E-15	1.41617E-13	-0.2579	hypo	sig	chr17_77258174
chr7	79452984	79452984	+	9.086E-15	1.41927E-13	0.211196	hyper	sig	chr7_79452984
chr15	69296662	69296662	+	9.09E-15	1.41987E-13	-0.25612	hypo	sig	chr15_69296662

chr1	2290907	2290907	+	9.098E-15	1.42107E-13	0.205922	hyper	sig	chr1_2290907
chr7	1.5E+08	150329909	+	9.12E-15	1.42436E-13	0.211505	hyper	sig	chr7_150329909
chr16	89060458	89060458	+	9.121E-15	1.42448E-13	-0.22191	hypo	sig	chr16_89060458
chr7	1.59E+08	158974444	+	9.134E-15	1.42656E-13	-0.20329	hypo	sig	chr7_158974444
chr9	1.17E+08	117413234	+	9.145E-15	1.42819E-13	0.329706	hyper	sig	chr9_117413234
chr3	54625978	54625978	+	9.152E-15	1.42931E-13	-0.21288	hypo	sig	chr3_54625978
chr12	1.14E+08	114439698	+	9.159E-15	1.43028E-13	0.271219	hyper	sig	chr12_114439698
chr1	38051570	38051570	+	9.164E-15	1.43103E-13	-0.2011	hypo	sig	chr1_38051570
chr7	1.3E+08	130492121	+	9.164E-15	1.43105E-13	0.26433	hyper	sig	chr7_130492121
chr17	17352185	17352185	+	9.176E-15	1.4329E-13	-0.2028	hypo	sig	chr17_17352185
chr9	93346207	93346207	+	9.194E-15	1.43566E-13	0.268915	hyper	sig	chr9_93346207
chr13	1.13E+08	113109854	+	9.203E-15	1.43696E-13	0.253771	hyper	sig	chr13_113109854
chr7	1.42E+08	141696101	+	9.221E-15	1.43968E-13	-0.21637	hypo	sig	chr7_141696101
chr8	1.43E+08	142542080	+	9.224E-15	1.44012E-13	-0.21563	hypo	sig	chr8_142542080
chr16	12903741	12903741	+	9.244E-15	1.44314E-13	0.22231	hyper	sig	chr16_12903741
chr12	24902779	24902779	+	9.246E-15	1.44346E-13	0.3099	hyper	sig	chr12_24902779
chr9	1.3E+08	129675827	+	9.247E-15	1.4435E-13	-0.2753	hypo	sig	chr9_129675827
chr20	664526	664526	+	9.249E-15	1.44376E-13	0.210633	hyper	sig	chr20_664526
chr11	1.12E+08	111923608	+	9.255E-15	1.44473E-13	-0.27173	hypo	sig	chr11_111923608
chr5	1.41E+08	140801633	+	9.266E-15	1.44635E-13	0.24331	hyper	sig	chr5_140801633
chr8	1837637	1837637	+	9.29E-15	1.45008E-13	-0.24058	hypo	sig	chr8_1837637
chr5	1.38E+08	137889233	+	9.3E-15	1.45162E-13	0.212863	hyper	sig	chr5_137889233
chr10	1.01E+08	101225957	+	9.3E-15	1.45163E-13	0.287459	hyper	sig	chr10_101225957
chr11	1.14E+08	114059088	+	9.315E-15	1.45383E-13	0.212851	hyper	sig	chr11_114059088
chr9	1.3E+08	130262477	+	9.321E-15	1.4547E-13	-0.216	hypo	sig	chr9_130262477
chr5	77632914	77632914	+	9.326E-15	1.4555E-13	0.234003	hyper	sig	chr5_77632914
chr5	77638504	77638504	+	9.332E-15	1.45636E-13	0.226259	hyper	sig	chr5_77638504
chr7	1232876	1232876	+	9.338E-15	1.45715E-13	0.213707	hyper	sig	chr7_1232876
chr19	18248713	18248713	+	9.346E-15	1.45826E-13	-0.26157	hypo	sig	chr19_18248713
chr6	1.28E+08	127518677	+	9.361E-15	1.46055E-13	0.2353	hyper	sig	chr6_127518677
chr10	42895915	42895915	+	9.365E-15	1.46112E-13	-0.24136	hypo	sig	chr10_42895915
chr16	20351702	20351702	+	9.365E-15	1.46116E-13	-0.30257	hypo	sig	chr16_20351702
chr22	45309133	45309133	+	9.369E-15	1.46162E-13	-0.2049	hypo	sig	chr22_45309133
chr15	67826521	67826521	+	9.376E-15	1.46274E-13	0.260918	hyper	sig	chr15_67826521
chr1	50416383	50416383	+	9.386E-15	1.46423E-13	0.275101	hyper	sig	chr1_50416383
chr2	68321010	68321010	+	9.404E-15	1.46693E-13	-0.23851	hypo	sig	chr2_68321010
chr15	27952146	27952146	+	9.414E-15	1.46842E-13	-0.22564	hypo	sig	chr15_27952146
chr19	35959572	35959572	+	9.443E-15	1.47283E-13	0.244898	hyper	sig	chr19_35959572
chr2	96550138	96550138	+	9.466E-15	1.47612E-13	-0.20826	hypo	sig	chr2_96550138
chr18	63476944	63476944	+	9.474E-15	1.47746E-13	-0.20713	hypo	sig	chr18_63476944
chr1	79006743	79006743	+	9.493E-15	1.48017E-13	0.223031	hyper	sig	chr1_79006743
chr1	1.97E+08	196878061	+	9.51E-15	1.48276E-13	0.226431	hyper	sig	chr1_196878061
chr2	30230919	30230919	+	9.547E-15	1.48844E-13	0.292655	hyper	sig	chr2_30230919
chr10	1.01E+08	100655563	+	9.551E-15	1.48894E-13	0.228119	hyper	sig	chr10_100655563
chr2	2.31E+08	230824154	+	9.553E-15	1.48926E-13	-0.2033	hypo	sig	chr2_230824154
chr19	56393896	56393896	+	9.56E-15	1.49018E-13	0.217895	hyper	sig	chr19_56393896
chr19	53058247	53058247	+	9.565E-15	1.49101E-13	0.304933	hyper	sig	chr19_53058247
chr9	1.3E+08	129669275	+	9.595E-15	1.49547E-13	-0.20883	hypo	sig	chr9_129669275
chr14	71933396	71933396	+	9.606E-15	1.49704E-13	0.205709	hyper	sig	chr14_71933396
chr12	38904778	38904778	+	9.63E-15	1.50079E-13	0.23859	hyper	sig	chr12_38904778
chr4	7978952	7978952	+	9.657E-15	1.50487E-13	-0.25479	hypo	sig	chr4_7978952
chr15	70475006	70475006	+	9.674E-15	1.50745E-13	-0.24016	hypo	sig	chr15_70475006
chr7	1602379	1602379	+	9.683E-15	1.50879E-13	-0.2504	hypo	sig	chr7_1602379
chr6	1.01E+08	101402991	+	9.708E-15	1.51248E-13	0.204333	hyper	sig	chr6_101402991
chr7	1.28E+08	127589200	+	9.712E-15	1.51307E-13	0.290479	hyper	sig	chr7_127589200
chr7	1.51E+08	151014132	+	9.724E-15	1.515E-13	0.233885	hyper	sig	chr7_151014132

chr2	9212859	9212859	+	9.737E-15	1.51686E-13	-0.21556	hypo	sig	chr2_9212859
chr10	70600500	70600500	+	9.738E-15	1.51692E-13	-0.24782	hypo	sig	chr10_70600500
chr19	15011194	15011194	+	9.752E-15	1.51901E-13	0.224112	hyper	sig	chr19_15011194
chr11	3223154	3223154	+	9.752E-15	1.51908E-13	-0.20631	hypo	sig	chr11_3223154
chr10	1.33E+08	132907377	+	9.764E-15	1.52075E-13	-0.22467	hypo	sig	chr10_132907377
chr17	41566072	41566072	+	9.81E-15	1.52764E-13	-0.26511	hypo	sig	chr17_41566072
chr22	34992876	34992876	+	9.812E-15	1.52783E-13	-0.20568	hypo	sig	chr22_34992876
chr1	1.59E+08	159440155	+	9.819E-15	1.52889E-13	-0.23519	hypo	sig	chr1_159440155
chr10	7407780	7407780	+	9.836E-15	1.53146E-13	0.248606	hyper	sig	chr10_7407780
chr22	45309122	45309122	+	9.84E-15	1.53206E-13	-0.20127	hypo	sig	chr22_45309122
chr12	66108	66108	+	9.858E-15	1.5346E-13	0.204842	hyper	sig	chr12_66108
chr3	1.3E+08	129548304	+	9.861E-15	1.53514E-13	-0.23387	hypo	sig	chr3_129548304
chr9	97077408	97077408	+	9.862E-15	1.53517E-13	0.247831	hyper	sig	chr9_97077408
chr17	28717324	28717324	+	9.877E-15	1.53746E-13	0.201509	hyper	sig	chr17_28717324
chr7	50401989	50401989	+	9.877E-15	1.53751E-13	-0.22208	hypo	sig	chr7_50401989
chr12	52258941	52258941	+	9.886E-15	1.53877E-13	0.20494	hyper	sig	chr12_52258941
chr7	35257670	35257670	+	9.887E-15	1.53902E-13	0.246453	hyper	sig	chr7_35257670
chr22	39558228	39558228	+	9.898E-15	1.54065E-13	0.226601	hyper	sig	chr22_39558228
chr5	1.19E+08	119354260	+	9.902E-15	1.54113E-13	0.235043	hyper	sig	chr5_119354260
chr7	1.01E+08	100865917	+	9.904E-15	1.54142E-13	-0.21028	hypo	sig	chr7_100865917
chr19	50608083	50608083	+	9.945E-15	1.54773E-13	0.231542	hyper	sig	chr19_50608083
chr2	2.42E+08	241857410	+	9.95E-15	1.54834E-13	-0.23353	hypo	sig	chr2_241857410
chr11	72251535	72251535	+	9.954E-15	1.54897E-13	-0.22574	hypo	sig	chr11_72251535
chr6	1.68E+08	168410390	+	9.955E-15	1.54913E-13	-0.22253	hypo	sig	chr6_168410390
chr15	82648555	82648555	+	9.978E-15	1.55262E-13	0.235571	hyper	sig	chr15_82648555
chr11	1.19E+08	119423704	+	9.982E-15	1.5532E-13	-0.20554	hypo	sig	chr11_119423704
chr8	22690981	22690981	+	9.982E-15	1.5532E-13	0.25986	hyper	sig	chr8_22690981
chr5	77785706	77785706	+	9.994E-15	1.55499E-13	-0.24347	hypo	sig	chr5_77785706
chr20	21397857	21397857	+	9.999E-15	1.55566E-13	0.282041	hyper	sig	chr20_21397857
chr6	1.7E+08	170058508	+	1E-14	1.55609E-13	-0.22906	hypo	sig	chr6_170058508
chr3	32780161	32780161	+	1.001E-14	1.55672E-13	-0.24322	hypo	sig	chr3_32780161
chr17	79890159	79890159	+	1.003E-14	1.5602E-13	-0.20651	hypo	sig	chr17_79890159
chr20	10218154	10218154	+	1.004E-14	1.56148E-13	0.251208	hyper	sig	chr20_10218154
chr1	1.21E+08	121007077	+	1.004E-14	1.56179E-13	0.207416	hyper	sig	chr1_121007077
chr5	77627928	77627928	+	1.005E-14	1.56255E-13	0.291152	hyper	sig	chr5_77627928
chr17	82858831	82858831	+	1.006E-14	1.56451E-13	-0.22236	hypo	sig	chr17_82858831
chr19	13506261	13506261	+	1.006E-14	1.56539E-13	0.245732	hyper	sig	chr19_13506261
chr6	37533652	37533652	+	1.009E-14	1.56894E-13	-0.23702	hypo	sig	chr6_37533652
chr8	76681040	76681040	+	1.01E-14	1.57134E-13	0.213873	hyper	sig	chr8_76681040
chr10	42368013	42368013	+	1.011E-14	1.57233E-13	0.286269	hyper	sig	chr10_42368013
chr5	1106953	1106953	+	1.011E-14	1.57248E-13	-0.2066	hypo	sig	chr5_1106953
chr16	79589701	79589701	+	1.012E-14	1.57363E-13	0.241096	hyper	sig	chr16_79589701
chr6	72621885	72621885	+	1.013E-14	1.57484E-13	0.20019	hyper	sig	chr6_72621885
chr7	27113000	27113000	+	1.014E-14	1.57732E-13	0.22438	hyper	sig	chr7_27113000
chr1	1.56E+08	156388105	+	1.018E-14	1.58337E-13	0.213357	hyper	sig	chr1_156388105
chr11	79439201	79439201	+	1.019E-14	1.58351E-13	0.235248	hyper	sig	chr11_79439201
chr5	2757745	2757745	+	1.019E-14	1.58378E-13	0.246814	hyper	sig	chr5_2757745
chr3	11757522	11757522	+	1.02E-14	1.58533E-13	-0.22734	hypo	sig	chr3_11757522
chr8	52939724	52939724	+	1.022E-14	1.58832E-13	0.270458	hyper	sig	chr8_52939724
chr20	59043466	59043466	+	1.023E-14	1.59047E-13	-0.21012	hypo	sig	chr20_59043466
chr13	1.12E+08	112056450	+	1.024E-14	1.59121E-13	0.310921	hyper	sig	chr13_112056450
chr11	22432783	22432783	+	1.024E-14	1.59219E-13	0.241704	hyper	sig	chr11_22432783
chr11	57390228	57390228	+	1.025E-14	1.59251E-13	-0.22094	hypo	sig	chr11_57390228
chr2	2.42E+08	241645853	+	1.025E-14	1.59312E-13	0.239394	hyper	sig	chr2_241645853
chr20	62843889	62843889	+	1.026E-14	1.59387E-13	-0.20258	hypo	sig	chr20_62843889
chr1	2.48E+08	247549081	+	1.027E-14	1.59581E-13	-0.27165	hypo	sig	chr1_247549081

chr11	1.18E+08	117877771	+	1.029E-14	1.59977E-13	-0.26046	hypo	sig	chr11_117877771
chr11	32433776	32433776	+	1.03E-14	1.60012E-13	0.228276	hyper	sig	chr11_32433776
chr19	35560890	35560890	+	1.03E-14	1.60082E-13	-0.2485	hypo	sig	chr19_35560890
chr19	45499246	45499246	+	1.031E-14	1.60167E-13	0.242593	hyper	sig	chr19_45499246
chr10	8036339	8036339	+	1.031E-14	1.60172E-13	0.260416	hyper	sig	chr10_8036339
chr7	86644439	86644439	+	1.031E-14	1.60173E-13	0.213743	hyper	sig	chr7_86644439
chr7	1.5E+08	149833905	+	1.033E-14	1.60501E-13	-0.23458	hypo	sig	chr7_149833905
chr11	31815970	31815970	+	1.038E-14	1.61188E-13	0.209733	hyper	sig	chr11_31815970
chr12	1.02E+08	101642412	+	1.041E-14	1.61704E-13	0.212127	hyper	sig	chr12_101642412
chr17	21514417	21514417	+	1.043E-14	1.61945E-13	-0.28973	hypo	sig	chr17_21514417
chr21	33024169	33024169	+	1.044E-14	1.62091E-13	0.241277	hyper	sig	chr21_33024169
chr5	1.42E+08	142322876	+	1.044E-14	1.62145E-13	-0.2782	hypo	sig	chr5_142322876
chr10	1.33E+08	132785044	+	1.045E-14	1.62272E-13	0.223415	hyper	sig	chr10_132785044
chr5	1877062	1877062	+	1.049E-14	1.62876E-13	0.204795	hyper	sig	chr5_1877062
chr15	81164491	81164491	+	1.049E-14	1.62948E-13	-0.21207	hypo	sig	chr15_81164491
chr15	89360400	89360400	+	1.052E-14	1.63382E-13	0.212523	hyper	sig	chr15_89360400
chr2	1.28E+08	128343824	+	1.053E-14	1.63538E-13	-0.24272	hypo	sig	chr2_128343824
chr5	1.81E+08	181114726	+	1.054E-14	1.63633E-13	0.219966	hyper	sig	chr5_181114726
chr17	29003762	29003762	+	1.054E-14	1.63651E-13	-0.26545	hypo	sig	chr17_29003762
chr5	1.41E+08	141150134	+	1.055E-14	1.63826E-13	0.201712	hyper	sig	chr5_141150134
chr1	1.15E+08	115338418	+	1.056E-14	1.63964E-13	0.200981	hyper	sig	chr1_115338418
chr17	79048361	79048361	+	1.059E-14	1.64345E-13	-0.30858	hypo	sig	chr17_79048361
chr1	1422779	1422779	+	1.06E-14	1.64508E-13	-0.21975	hypo	sig	chr1_1422779
chr17	78170939	78170939	+	1.06E-14	1.64544E-13	-0.20181	hypo	sig	chr17_78170939
chr2	2.28E+08	228181827	+	1.06E-14	1.64553E-13	0.244851	hyper	sig	chr2_228181827
chr15	89379426	89379426	+	1.063E-14	1.6493E-13	0.212583	hyper	sig	chr15_89379426
chr13	42574310	42574310	+	1.063E-14	1.64949E-13	0.253509	hyper	sig	chr13_42574310
chr3	1.47E+08	147397320	+	1.063E-14	1.64999E-13	0.201493	hyper	sig	chr3_147397320
chr7	1.37E+08	136869947	+	1.066E-14	1.65413E-13	0.262272	hyper	sig	chr7_136869947
chr10	6083752	6083752	+	1.068E-14	1.65714E-13	-0.27816	hypo	sig	chr10_6083752
chr20	58842186	58842186	+	1.068E-14	1.65766E-13	0.206149	hyper	sig	chr20_58842186
chr2	70714612	70714612	+	1.069E-14	1.65846E-13	-0.23377	hypo	sig	chr2_70714612
chr5	59892428	59892428	+	1.073E-14	1.66438E-13	0.239286	hyper	sig	chr5_59892428
chr13	1.13E+08	113141708	+	1.074E-14	1.66679E-13	-0.20739	hypo	sig	chr13_113141708
chr1	6506078	6506078	+	1.076E-14	1.66875E-13	-0.20244	hypo	sig	chr1_6506078
chr11	72251493	72251493	+	1.077E-14	1.67055E-13	-0.20728	hypo	sig	chr11_72251493
chr7	1.54E+08	154052644	+	1.077E-14	1.67099E-13	0.323396	hyper	sig	chr7_154052644
chr5	2748041	2748041	+	1.079E-14	1.67366E-13	0.217052	hyper	sig	chr5_2748041
chr1	35577401	35577401	+	1.081E-14	1.67698E-13	0.207312	hyper	sig	chr1_35577401
chr3	6861480	6861480	+	1.082E-14	1.67863E-13	0.232588	hyper	sig	chr3_6861480
chr11	1.23E+08	123431350	+	1.087E-14	1.68586E-13	0.21511	hyper	sig	chr11_123431350
chr20	608666	608666	+	1.087E-14	1.68593E-13	-0.20398	hypo	sig	chr20_608666
chr1	20707211	20707211	+	1.088E-14	1.68656E-13	-0.20997	hypo	sig	chr1_20707211
chr11	66049147	66049147	+	1.089E-14	1.68794E-13	0.263682	hyper	sig	chr11_66049147
chr17	3530664	3530664	+	1.089E-14	1.68894E-13	-0.25229	hypo	sig	chr17_3530664
chr16	1002525	1002525	+	1.09E-14	1.69006E-13	-0.2055	hypo	sig	chr16_1002525
chr4	11428028	11428028	+	1.091E-14	1.69093E-13	0.319466	hyper	sig	chr4_11428028
chr16	46573768	46573768	+	1.091E-14	1.69093E-13	-0.27205	hypo	sig	chr16_46573768
chr10	8061710	8061710	+	1.093E-14	1.69383E-13	-0.2936	hypo	sig	chr10_8061710
chr14	1.01E+08	100836170	+	1.094E-14	1.6957E-13	-0.20189	hypo	sig	chr14_100836170
chr6	32058792	32058792	+	1.096E-14	1.69944E-13	-0.25838	hypo	sig	chr6_32058792
chr3	27728957	27728957	+	1.097E-14	1.70084E-13	0.200928	hyper	sig	chr3_27728957
chr15	83107269	83107269	+	1.098E-14	1.70187E-13	0.205215	hyper	sig	chr15_83107269
chr16	4332268	4332268	+	1.099E-14	1.70259E-13	-0.24059	hypo	sig	chr16_4332268
chr11	86673663	86673663	+	1.099E-14	1.70358E-13	-0.24539	hypo	sig	chr11_86673663
chr14	28777936	28777936	+	1.1E-14	1.70489E-13	0.238972	hyper	sig	chr14_28777936

chr1	1.19E+08	118983790	+	1.101E-14	1.70639E-13	0.219022	hyper	sig	chr1_118983790
chr12	50032994	50032994	+	1.104E-14	1.71042E-13	0.315592	hyper	sig	chr12_50032994
chr15	25231278	25231278	+	1.111E-14	1.72146E-13	-0.24426	hypo	sig	chr15_25231278
chr16	85208409	85208409	+	1.111E-14	1.72206E-13	-0.21485	hypo	sig	chr16_85208409
chr7	57206119	57206119	+	1.113E-14	1.72432E-13	-0.24463	hypo	sig	chr7_57206119
chr1	68496034	68496034	+	1.114E-14	1.72555E-13	-0.21476	hypo	sig	chr1_68496034
chr6	28259507	28259507	+	1.114E-14	1.72557E-13	0.253209	hyper	sig	chr6_28259507
chr19	55087624	55087624	+	1.115E-14	1.72685E-13	0.226159	hyper	sig	chr19_55087624
chr19	28727075	28727075	+	1.115E-14	1.72714E-13	0.287807	hyper	sig	chr19_28727075
chr8	6805926	6805926	+	1.115E-14	1.72727E-13	-0.25006	hypo	sig	chr8_6805926
chr5	71446692	71446692	+	1.12E-14	1.73437E-13	-0.30246	hypo	sig	chr5_71446692
chr3	48273457	48273457	+	1.121E-14	1.7358E-13	-0.20654	hypo	sig	chr3_48273457
chr14	69570966	69570966	+	1.121E-14	1.736E-13	-0.21622	hypo	sig	chr14_69570966
chr22	45889853	45889853	+	1.122E-14	1.73709E-13	0.209687	hyper	sig	chr22_45889853
chr2	11612927	11612927	+	1.123E-14	1.73876E-13	-0.25345	hypo	sig	chr2_11612927
chr10	46390568	46390568	+	1.123E-14	1.73959E-13	-0.22293	hypo	sig	chr10_46390568
chr7	1.54E+08	153887311	+	1.123E-14	1.73995E-13	0.276445	hyper	sig	chr7_153887311
chr10	25176373	25176373	+	1.124E-14	1.74112E-13	0.207228	hyper	sig	chr10_25176373
chr2	11481417	11481417	+	1.124E-14	1.7413E-13	-0.23414	hypo	sig	chr2_11481417
chr20	54475985	54475985	+	1.126E-14	1.74374E-13	0.28506	hyper	sig	chr20_54475985
chr11	20163793	20163793	+	1.129E-14	1.74759E-13	0.206569	hyper	sig	chr11_20163793
chr7	98869403	98869403	+	1.129E-14	1.74813E-13	0.30291	hyper	sig	chr7_98869403
chr4	386656	386656	+	1.13E-14	1.74966E-13	0.230256	hyper	sig	chr4_386656
chr5	93587925	93587925	+	1.131E-14	1.75094E-13	0.211392	hyper	sig	chr5_93587925
chr3	1.43E+08	143135345	+	1.132E-14	1.75192E-13	-0.29249	hypo	sig	chr3_143135345
chr1	1.57E+08	156656957	+	1.132E-14	1.75216E-13	0.201633	hyper	sig	chr1_156656957
chr6	71419825	71419825	+	1.135E-14	1.75733E-13	0.212737	hyper	sig	chr6_71419825
chr7	98870544	98870544	+	1.139E-14	1.76388E-13	0.247951	hyper	sig	chr7_98870544
chr2	1.76E+08	176112801	+	1.14E-14	1.76426E-13	0.215365	hyper	sig	chr2_176112801
chr18	76350878	76350878	+	1.143E-14	1.76863E-13	-0.20986	hypo	sig	chr18_76350878
chr13	94703948	94703948	+	1.144E-14	1.76995E-13	0.253403	hyper	sig	chr13_94703948
chr19	15803779	15803779	+	1.144E-14	1.77136E-13	-0.22724	hypo	sig	chr19_15803779
chr7	97022712	97022712	+	1.144E-14	1.7714E-13	0.215208	hyper	sig	chr7_97022712
chr8	1.3E+08	130377479	+	1.145E-14	1.77243E-13	-0.25609	hypo	sig	chr8_130377479
chr14	69850580	69850580	+	1.146E-14	1.77351E-13	-0.21585	hypo	sig	chr14_69850580
chr2	1.24E+08	124422677	+	1.147E-14	1.77454E-13	-0.23273	hypo	sig	chr2_124422677
chr7	1235899	1235899	+	1.149E-14	1.77752E-13	0.260796	hyper	sig	chr7_1235899
chr19	53329198	53329198	+	1.15E-14	1.77978E-13	0.267079	hyper	sig	chr19_53329198
chr2	2.4E+08	240324663	+	1.151E-14	1.78181E-13	-0.20704	hypo	sig	chr2_240324663
chr7	1.3E+08	130491047	+	1.154E-14	1.78624E-13	0.236256	hyper	sig	chr7_130491047
chr19	57935002	57935002	+	1.16E-14	1.79453E-13	0.235342	hyper	sig	chr19_57935002
chr4	1.9E+08	190018118	+	1.161E-14	1.79646E-13	0.218428	hyper	sig	chr4_190018118
chr7	1.29E+08	128511915	+	1.161E-14	1.79646E-13	-0.22993	hypo	sig	chr7_128511915
chr6	73580742	73580742	+	1.163E-14	1.79857E-13	-0.21001	hypo	sig	chr6_73580742
chr11	1.34E+08	134385293	+	1.164E-14	1.79984E-13	-0.21351	hypo	sig	chr11_134385293
chr17	78853162	78853162	+	1.165E-14	1.80158E-13	-0.25538	hypo	sig	chr17_78853162
chr19	1762499	1762499	+	1.166E-14	1.80317E-13	0.220145	hyper	sig	chr19_1762499
chr13	1.1E+08	110306683	+	1.168E-14	1.80602E-13	0.221912	hyper	sig	chr13_110306683
chr14	94771326	94771326	+	1.169E-14	1.8073E-13	0.23213	hyper	sig	chr14_94771326
chr5	1.41E+08	141350332	+	1.171E-14	1.81131E-13	0.205083	hyper	sig	chr5_141350332
chr1	20343380	20343380	+	1.173E-14	1.81438E-13	0.20321	hyper	sig	chr1_20343380
chr5	73232305	73232305	+	1.179E-14	1.82266E-13	0.207959	hyper	sig	chr5_73232305
chr8	1E+08	100106335	+	1.179E-14	1.82361E-13	0.258997	hyper	sig	chr8_100106335
chr6	83524599	83524599	+	1.183E-14	1.82911E-13	-0.21307	hypo	sig	chr6_83524599
chr11	30016316	30016316	+	1.183E-14	1.82946E-13	0.253364	hyper	sig	chr11_30016316
chr6	1625053	1625053	+	1.183E-14	1.8297E-13	0.255408	hyper	sig	chr6_1625053

chr16	49467771	49467771	+	1.185E-14	1.8323E-13	-0.30238	hypo	sig	chr16_49467771
chr1	2.07E+08	207495947	+	1.185E-14	1.83258E-13	0.22803	hyper	sig	chr1_207495947
chr17	42670410	42670410	+	1.189E-14	1.83733E-13	0.212596	hyper	sig	chr17_42670410
chr21	36696293	36696293	+	1.192E-14	1.84224E-13	0.298539	hyper	sig	chr21_36696293
chr21	37567047	37567047	+	1.193E-14	1.84456E-13	-0.2339	hypo	sig	chr21_37567047
chr4	1.74E+08	173527372	+	1.193E-14	1.84456E-13	0.257582	hyper	sig	chr4_173527372
chr7	1.13E+08	113086545	+	1.194E-14	1.84488E-13	0.20164	hyper	sig	chr7_113086545
chr13	36346705	36346705	+	1.194E-14	1.84491E-13	0.204351	hyper	sig	chr13_36346705
chr6	1.67E+08	167141302	+	1.194E-14	1.84559E-13	-0.20069	hypo	sig	chr6_167141302
chr11	92969356	92969356	+	1.194E-14	1.8457E-13	0.225927	hyper	sig	chr11_92969356
chr2	44928197	44928197	+	1.195E-14	1.84709E-13	0.272229	hyper	sig	chr2_44928197
chr20	21106124	21106124	+	1.196E-14	1.8488E-13	0.244348	hyper	sig	chr20_21106124
chr2	951539	951539	+	1.197E-14	1.85041E-13	0.225149	hyper	sig	chr2_951539
chr4	6752013	6752013	+	1.198E-14	1.85147E-13	-0.20806	hypo	sig	chr4_6752013
chr1	3349171	3349171	+	1.2E-14	1.85435E-13	-0.20166	hypo	sig	chr1_3349171
chr5	79069839	79069839	+	1.2E-14	1.85455E-13	0.230666	hyper	sig	chr5_79069839
chr1	39884365	39884365	+	1.201E-14	1.85506E-13	-0.2276	hypo	sig	chr1_39884365
chr16	10180558	10180558	+	1.201E-14	1.85601E-13	0.207394	hyper	sig	chr16_10180558
chr6	1.68E+08	168035678	+	1.204E-14	1.8594E-13	-0.22698	hypo	sig	chr6_168035678
chr2	2.01E+08	200586222	+	1.204E-14	1.85999E-13	0.230588	hyper	sig	chr2_200586222
chr15	45704307	45704307	+	1.207E-14	1.86467E-13	0.20756	hyper	sig	chr15_45704307
chr10	1.33E+08	132785056	+	1.208E-14	1.86529E-13	0.232943	hyper	sig	chr10_132785056
chr4	1305758	1305758	+	1.208E-14	1.86534E-13	-0.23605	hypo	sig	chr4_1305758
chr22	50738115	50738115	+	1.209E-14	1.86779E-13	-0.23852	hypo	sig	chr22_50738115
chr5	1.52E+08	151534310	+	1.21E-14	1.86883E-13	-0.29263	hypo	sig	chr5_151534310
chr8	1.44E+08	143543987	+	1.21E-14	1.86928E-13	-0.20709	hypo	sig	chr8_143543987
chr2	2.4E+08	240324618	+	1.211E-14	1.87117E-13	-0.23573	hypo	sig	chr2_240324618
chr11	1.31E+08	131371308	+	1.212E-14	1.87144E-13	0.251303	hyper	sig	chr11_131371308
chr8	11350327	11350327	+	1.212E-14	1.87178E-13	-0.26186	hypo	sig	chr8_11350327
chr22	45889830	45889830	+	1.212E-14	1.87234E-13	0.202309	hyper	sig	chr22_45889830
chr7	86645116	86645116	+	1.213E-14	1.87263E-13	0.237433	hyper	sig	chr7_86645116
chr20	21391824	21391824	+	1.215E-14	1.87633E-13	0.255378	hyper	sig	chr20_21391824
chr15	67820654	67820654	+	1.215E-14	1.87674E-13	0.247834	hyper	sig	chr15_67820654
chr18	80033400	80033400	+	1.216E-14	1.87758E-13	0.206556	hyper	sig	chr18_80033400
chr17	79048232	79048232	+	1.22E-14	1.88332E-13	-0.26434	hypo	sig	chr17_79048232
chr9	1.31E+08	130663459	+	1.222E-14	1.88566E-13	0.259872	hyper	sig	chr9_130663459
chr4	5710827	5710827	+	1.222E-14	1.88676E-13	0.270674	hyper	sig	chr4_5710827
chr22	19937726	19937726	+	1.223E-14	1.8871E-13	-0.28469	hypo	sig	chr22_19937726
chr19	55087643	55087643	+	1.223E-14	1.88812E-13	0.204674	hyper	sig	chr19_55087643
chr10	31134361	31134361	+	1.228E-14	1.8946E-13	0.26004	hyper	sig	chr10_31134361
chr16	67207533	67207533	+	1.228E-14	1.89469E-13	-0.2297	hypo	sig	chr16_67207533
chr3	10992176	10992176	+	1.228E-14	1.89536E-13	0.243798	hyper	sig	chr3_10992176
chr5	71719073	71719073	+	1.228E-14	1.89536E-13	0.236573	hyper	sig	chr5_71719073
chr12	1.2E+08	120361922	+	1.23E-14	1.89791E-13	0.213069	hyper	sig	chr12_120361922
chr13	42574300	42574300	+	1.23E-14	1.89818E-13	0.27395	hyper	sig	chr13_42574300
chr1	2.15E+08	215083551	+	1.23E-14	1.8982E-13	0.219068	hyper	sig	chr1_215083551
chr19	35959640	35959640	+	1.23E-14	1.89859E-13	0.235122	hyper	sig	chr19_35959640
chr6	42239772	42239772	+	1.235E-14	1.90626E-13	-0.26485	hypo	sig	chr6_42239772
chr16	11635275	11635275	+	1.236E-14	1.90677E-13	-0.28715	hypo	sig	chr16_11635275
chr2	74181792	74181792	+	1.236E-14	1.90705E-13	-0.24193	hypo	sig	chr2_74181792
chr22	30387955	30387955	+	1.237E-14	1.9086E-13	-0.22988	hypo	sig	chr22_30387955
chr1	92480545	92480545	+	1.237E-14	1.90893E-13	0.204886	hyper	sig	chr1_92480545
chr1	1.52E+08	151805277	+	1.238E-14	1.91011E-13	-0.21374	hypo	sig	chr1_151805277
chr11	1.13E+08	113272872	+	1.239E-14	1.91168E-13	-0.29335	hypo	sig	chr11_113272872
chr11	15114577	15114577	+	1.241E-14	1.91498E-13	0.233253	hyper	sig	chr11_15114577
chr10	22927766	22927766	+	1.242E-14	1.91593E-13	0.207201	hyper	sig	chr10_22927766

chr6	1.37E+08	137489599	+	1.242E-14	1.91594E-13	0.268621	hyper	sig	chr6_137489599
chr19	35123068	35123068	+	1.243E-14	1.91748E-13	-0.25096	hypo	sig	chr19_35123068
chr11	1918452	1918452	+	1.244E-14	1.91847E-13	-0.23031	hypo	sig	chr11_1918452
chr12	1.17E+08	116917019	+	1.244E-14	1.91871E-13	-0.24798	hypo	sig	chr12_116917019
chr17	74671107	74671107	+	1.245E-14	1.92047E-13	0.230499	hyper	sig	chr17_74671107
chr5	1.33E+08	133245648	+	1.246E-14	1.92226E-13	-0.21985	hypo	sig	chr5_133245648
chr10	1.34E+08	133528064	+	1.247E-14	1.92293E-13	0.225759	hyper	sig	chr10_133528064
chr6	1.67E+08	167203435	+	1.25E-14	1.92685E-13	-0.21168	hypo	sig	chr6_167203435
chr19	13506246	13506246	+	1.25E-14	1.92776E-13	0.239564	hyper	sig	chr19_13506246
chr9	1.32E+08	131501439	+	1.252E-14	1.93014E-13	-0.20174	hypo	sig	chr9_131501439
chr12	1.07E+08	106580477	+	1.252E-14	1.9309E-13	0.21418	hyper	sig	chr12_106580477
chr6	28865572	28865572	+	1.253E-14	1.93228E-13	-0.24712	hypo	sig	chr6_28865572
chr14	84091749	84091749	+	1.256E-14	1.93679E-13	-0.2272	hypo	sig	chr14_84091749
chr12	1.32E+08	132396062	+	1.257E-14	1.93785E-13	-0.20104	hypo	sig	chr12_132396062
chr4	10461233	10461233	+	1.261E-14	1.94412E-13	0.214009	hyper	sig	chr4_10461233
chr11	20207999	20207999	+	1.261E-14	1.94451E-13	0.215119	hyper	sig	chr11_20207999
chr12	53930799	53930799	+	1.262E-14	1.94537E-13	0.201822	hyper	sig	chr12_53930799
chr12	53930758	53930758	+	1.262E-14	1.94582E-13	0.210475	hyper	sig	chr12_53930758
chr13	1.1E+08	110454820	+	1.262E-14	1.94584E-13	-0.2068	hypo	sig	chr13_110454820
chr19	3969535	3969535	+	1.264E-14	1.94814E-13	-0.23791	hypo	sig	chr19_3969535
chr10	99531474	99531474	+	1.266E-14	1.95078E-13	0.202533	hyper	sig	chr10_99531474
chr19	15479341	15479341	+	1.27E-14	1.95765E-13	-0.20366	hypo	sig	chr19_15479341
chr19	47448017	47448017	+	1.271E-14	1.95866E-13	0.247814	hyper	sig	chr19_47448017
chr19	57888841	57888841	+	1.272E-14	1.96026E-13	0.21031	hyper	sig	chr19_57888841
chr7	1.58E+08	157795748	+	1.273E-14	1.96245E-13	-0.24214	hypo	sig	chr7_157795748
chr1	2475294	2475294	+	1.276E-14	1.96621E-13	-0.23379	hypo	sig	chr1_2475294
chr1	35577359	35577359	+	1.278E-14	1.96917E-13	0.248843	hyper	sig	chr1_35577359
chr6	33080725	33080725	+	1.279E-14	1.97147E-13	0.261449	hyper	sig	chr6_33080725
chr1	2.28E+08	228465312	+	1.28E-14	1.97155E-13	0.263211	hyper	sig	chr1_228465312
chr16	46573790	46573790	+	1.281E-14	1.97431E-13	-0.24083	hypo	sig	chr16_46573790
chr13	1.14E+08	113650266	+	1.283E-14	1.97737E-13	-0.22387	hypo	sig	chr13_113650266
chr5	1.23E+08	123094728	+	1.284E-14	1.97852E-13	0.249578	hyper	sig	chr5_123094728
chr9	98944722	98944722	+	1.284E-14	1.97866E-13	0.252476	hyper	sig	chr9_98944722
chr22	43897961	43897961	+	1.287E-14	1.9833E-13	-0.2545	hypo	sig	chr22_43897961
chr9	1.26E+08	126235852	+	1.289E-14	1.98597E-13	-0.239	hypo	sig	chr9_126235852
chr1	27347368	27347368	+	1.29E-14	1.98784E-13	-0.24066	hypo	sig	chr1_27347368
chr5	33938093	33938093	+	1.29E-14	1.98784E-13	0.268147	hyper	sig	chr5_33938093
chr5	31639791	31639791	+	1.292E-14	1.99028E-13	0.251783	hyper	sig	chr5_31639791
chr17	6853572	6853572	+	1.296E-14	1.99643E-13	-0.20572	hypo	sig	chr17_6853572
chr13	20946389	20946389	+	1.297E-14	1.99736E-13	0.236256	hyper	sig	chr13_20946389
chr1	27872037	27872037	+	1.3E-14	2.00249E-13	-0.2838	hypo	sig	chr1_27872037
chr1	1.8E+08	179812787	+	1.302E-14	2.00492E-13	-0.2638	hypo	sig	chr1_179812787
chr6	37649063	37649063	+	1.303E-14	2.00629E-13	0.254657	hyper	sig	chr6_37649063
chr2	2.41E+08	240832008	+	1.309E-14	2.01493E-13	0.229262	hyper	sig	chr2_240832008
chr16	1443771	1443771	+	1.314E-14	2.02229E-13	-0.20565	hypo	sig	chr16_1443771
chr11	1.21E+08	121145935	+	1.315E-14	2.02366E-13	-0.2147	hypo	sig	chr11_121145935
chr1	1.02E+08	101996487	+	1.315E-14	2.02466E-13	0.231795	hyper	sig	chr1_101996487
chr8	29315507	29315507	+	1.317E-14	2.02728E-13	-0.22094	hypo	sig	chr8_29315507
chr11	1443562	1443562	+	1.317E-14	2.02748E-13	-0.23395	hypo	sig	chr11_1443562
chr14	53952942	53952942	+	1.318E-14	2.02799E-13	0.286218	hyper	sig	chr14_53952942
chr1	54998988	54998988	+	1.318E-14	2.02877E-13	-0.21598	hypo	sig	chr1_54998988
chr12	1.32E+08	132426347	+	1.32E-14	2.0321E-13	-0.2074	hypo	sig	chr12_132426347
chr2	2.02E+08	202035367	+	1.32E-14	2.03212E-13	0.220082	hyper	sig	chr2_202035367
chr19	40224802	40224802	+	1.322E-14	2.0341E-13	-0.3436	hypo	sig	chr19_40224802
chr16	86504610	86504610	+	1.325E-14	2.03876E-13	0.201325	hyper	sig	chr16_86504610
chr4	1.17E+08	116705987	+	1.327E-14	2.04215E-13	-0.21365	hypo	sig	chr4_116705987

chr15	24878299	24878299	+	1.329E-14	2.04513E-13	0.209496	hyper	sig	chr15_24878299
chr16	49277853	49277853	+	1.333E-14	2.05016E-13	0.222829	hyper	sig	chr16_49277853
chr5	1.79E+08	179164498	+	1.337E-14	2.05724E-13	-0.222	hypo	sig	chr5_179164498
chr15	96366568	96366568	+	1.338E-14	2.05761E-13	0.200625	hyper	sig	chr15_96366568
chr16	3184258	3184258	+	1.338E-14	2.05768E-13	0.263593	hyper	sig	chr16_3184258
chr17	75872503	75872503	+	1.338E-14	2.05839E-13	-0.20126	hypo	sig	chr17_75872503
chr10	23192627	23192627	+	1.338E-14	2.05858E-13	0.203867	hyper	sig	chr10_23192627
chr20	46057453	46057453	+	1.339E-14	2.05926E-13	0.219197	hyper	sig	chr20_46057453
chr10	1.17E+08	117140970	+	1.339E-14	2.05951E-13	0.200215	hyper	sig	chr10_117140970
chr17	14298452	14298452	+	1.34E-14	2.06147E-13	0.208825	hyper	sig	chr17_14298452
chr4	107261	107261	+	1.34E-14	2.06147E-13	0.280681	hyper	sig	chr4_107261
chr16	57260510	57260510	+	1.342E-14	2.06432E-13	-0.25817	hypo	sig	chr16_57260510
chr16	86513759	86513759	+	1.343E-14	2.0654E-13	0.219354	hyper	sig	chr16_86513759
chr1	2.31E+08	230747117	+	1.343E-14	2.06567E-13	-0.25108	hypo	sig	chr1_230747117
chr14	1.04E+08	104270323	+	1.345E-14	2.06778E-13	-0.22219	hypo	sig	chr14_104270323
chr13	1.12E+08	112057658	+	1.347E-14	2.07149E-13	0.206583	hyper	sig	chr13_112057658
chr6	1.1E+08	110357668	+	1.348E-14	2.07341E-13	0.23549	hyper	sig	chr6_110357668
chr12	1.32E+08	132210287	+	1.349E-14	2.07491E-13	-0.27549	hypo	sig	chr12_132210287
chr1	1.45E+08	144551968	+	1.35E-14	2.07555E-13	0.230282	hyper	sig	chr1_144551968
chr6	37649074	37649074	+	1.353E-14	2.08015E-13	0.272604	hyper	sig	chr6_37649074
chr16	49280850	49280850	+	1.357E-14	2.08622E-13	0.206203	hyper	sig	chr16_49280850
chr1	16521066	16521066	+	1.358E-14	2.08709E-13	0.25665	hyper	sig	chr1_16521066
chr8	1.41E+08	140619443	+	1.359E-14	2.08861E-13	-0.20466	hypo	sig	chr8_140619443
chr5	1973929	1973929	+	1.359E-14	2.08874E-13	-0.20045	hypo	sig	chr5_1973929
chr19	49132977	49132977	+	1.359E-14	2.0888E-13	0.269077	hyper	sig	chr19_49132977
chr5	3597333	3597333	+	1.362E-14	2.09352E-13	0.258741	hyper	sig	chr5_3597333
chr19	3825678	3825678	+	1.362E-14	2.09404E-13	-0.23593	hypo	sig	chr19_3825678
chr14	94773361	94773361	+	1.363E-14	2.09416E-13	0.236298	hyper	sig	chr14_94773361
chr5	3103656	3103656	+	1.363E-14	2.09453E-13	0.207196	hyper	sig	chr5_3103656
chr17	79711831	79711831	+	1.364E-14	2.09566E-13	-0.24928	hypo	sig	chr17_79711831
chr10	1.3E+08	129873304	+	1.364E-14	2.09661E-13	-0.27529	hypo	sig	chr10_129873304
chr7	1.57E+08	157078512	+	1.364E-14	2.09668E-13	0.217301	hyper	sig	chr7_157078512
chr19	3969524	3969524	+	1.366E-14	2.09844E-13	-0.22524	hypo	sig	chr19_3969524
chr17	80823163	80823163	+	1.366E-14	2.09888E-13	-0.21688	hypo	sig	chr17_80823163
chr4	17781851	17781851	+	1.371E-14	2.1065E-13	0.253136	hyper	sig	chr4_17781851
chr12	49544233	49544233	+	1.372E-14	2.10856E-13	0.235055	hyper	sig	chr12_49544233
chr6	1.01E+08	101398933	+	1.373E-14	2.11007E-13	0.20052	hyper	sig	chr6_101398933
chr14	94773894	94773894	+	1.375E-14	2.11299E-13	0.28512	hyper	sig	chr14_94773894
chr4	52076831	52076831	+	1.377E-14	2.11521E-13	0.230447	hyper	sig	chr4_52076831
chr21	44258273	44258273	+	1.379E-14	2.11888E-13	-0.24718	hypo	sig	chr21_44258273
chr3	62367791	62367791	+	1.38E-14	2.11961E-13	0.217132	hyper	sig	chr3_62367791
chr15	74134038	74134038	+	1.381E-14	2.12066E-13	0.221355	hyper	sig	chr15_74134038
chr1	2.35E+08	234970051	+	1.381E-14	2.12145E-13	0.20784	hyper	sig	chr1_234970051
chr19	53520615	53520615	+	1.382E-14	2.12322E-13	0.204861	hyper	sig	chr19_53520615
chr20	32589473	32589473	+	1.388E-14	2.13208E-13	-0.22309	hypo	sig	chr20_32589473
chr6	73315296	73315296	+	1.389E-14	2.13267E-13	0.329252	hyper	sig	chr6_73315296
chr7	8443247	8443247	+	1.392E-14	2.13812E-13	0.274603	hyper	sig	chr7_8443247
chr12	1.31E+08	131095988	+	1.395E-14	2.14239E-13	-0.20566	hypo	sig	chr12_131095988
chr16	54288409	54288409	+	1.398E-14	2.14685E-13	0.255364	hyper	sig	chr16_54288409
chr16	3950651	3950651	+	1.399E-14	2.14754E-13	-0.20184	hypo	sig	chr16_3950651
chr6	99994275	99994275	+	1.401E-14	2.15104E-13	0.216665	hyper	sig	chr6_99994275
chr1	24920318	24920318	+	1.403E-14	2.15316E-13	-0.22172	hypo	sig	chr1_24920318
chr7	64947261	64947261	+	1.403E-14	2.15379E-13	0.225243	hyper	sig	chr7_64947261
chr9	1.22E+08	122220534	+	1.407E-14	2.15919E-13	0.212791	hyper	sig	chr9_122220534
chr15	71814661	71814661	+	1.407E-14	2.15939E-13	-0.2402	hypo	sig	chr15_71814661
chr7	1.58E+08	157754102	+	1.407E-14	2.15997E-13	-0.20597	hypo	sig	chr7_157754102

chr11	1.31E+08	131098757	+	1.413E-14	2.16778E-13	-0.32866	hypo	sig	chr11_131098757
chr1	2.43E+08	242523716	+	1.413E-14	2.16792E-13	0.229899	hyper	sig	chr1_242523716
chr9	1.3E+08	129675830	+	1.414E-14	2.1692E-13	-0.27486	hypo	sig	chr9_129675830
chr11	1.2E+08	119615731	+	1.418E-14	2.1764E-13	-0.20199	hypo	sig	chr11_119615731
chr19	50728683	50728683	+	1.421E-14	2.18101E-13	0.271924	hyper	sig	chr19_50728683
chr16	31569661	31569661	+	1.422E-14	2.18216E-13	0.270263	hyper	sig	chr16_31569661
chr2	11631450	11631450	+	1.423E-14	2.18309E-13	-0.20471	hypo	sig	chr2_11631450
chr1	1.81E+08	181318731	+	1.423E-14	2.18351E-13	0.243075	hyper	sig	chr1_181318731
chr6	10384891	10384891	+	1.424E-14	2.18407E-13	0.244286	hyper	sig	chr6_10384891
chr13	78597408	78597408	+	1.427E-14	2.18986E-13	0.266651	hyper	sig	chr13_78597408
chr10	1.33E+08	133310252	+	1.428E-14	2.19017E-13	-0.23198	hypo	sig	chr10_133310252
chr15	70863696	70863696	+	1.431E-14	2.19547E-13	-0.23132	hypo	sig	chr15_70863696
chr15	37097324	37097324	+	1.432E-14	2.19715E-13	0.209478	hyper	sig	chr15_37097324
chr13	1.13E+08	113408192	+	1.433E-14	2.19799E-13	-0.27569	hypo	sig	chr13_113408192
chr4	1.54E+08	153789247	+	1.434E-14	2.19964E-13	0.22118	hyper	sig	chr4_153789247
chr11	1.29E+08	128824212	+	1.436E-14	2.20232E-13	0.254576	hyper	sig	chr11_128824212
chr2	5726338	5726338	+	1.437E-14	2.20438E-13	0.20861	hyper	sig	chr2_5726338
chr19	38869666	38869666	+	1.438E-14	2.20597E-13	0.289064	hyper	sig	chr19_38869666
chr2	1.21E+08	120863940	+	1.44E-14	2.2088E-13	-0.22289	hypo	sig	chr2_120863940
chr20	46178943	46178943	+	1.441E-14	2.20935E-13	-0.28627	hypo	sig	chr20_46178943
chr3	1.47E+08	147413475	+	1.443E-14	2.21247E-13	0.217585	hyper	sig	chr3_147413475
chr2	2.32E+08	231680638	+	1.444E-14	2.21493E-13	-0.21275	hypo	sig	chr2_231680638
chr8	1.42E+08	141975967	+	1.446E-14	2.21649E-13	-0.22491	hypo	sig	chr8_141975967
chr11	8169197	8169197	+	1.45E-14	2.22286E-13	0.248439	hyper	sig	chr11_8169197
chr6	16216897	16216897	+	1.451E-14	2.22407E-13	0.290279	hyper	sig	chr6_16216897
chr19	55452713	55452713	+	1.455E-14	2.23068E-13	0.268387	hyper	sig	chr19_55452713
chr3	1.93E+08	193241572	+	1.456E-14	2.2323E-13	0.22228	hyper	sig	chr3_193241572
chr13	36431907	36431907	+	1.457E-14	2.23358E-13	0.301891	hyper	sig	chr13_36431907
chr12	43551991	43551991	+	1.463E-14	2.24306E-13	0.291022	hyper	sig	chr12_43551991
chr5	1.38E+08	138252548	+	1.464E-14	2.24416E-13	-0.28227	hypo	sig	chr5_138252548
chr12	30795040	30795040	+	1.464E-14	2.2443E-13	-0.25328	hypo	sig	chr12_30795040
chr1	1.76E+08	175599357	+	1.466E-14	2.2469E-13	0.24205	hyper	sig	chr1_175599357
chr20	30891837	30891837	+	1.467E-14	2.24767E-13	0.214656	hyper	sig	chr20_30891837
chr22	50034436	50034436	+	1.471E-14	2.25381E-13	-0.2253	hypo	sig	chr22_50034436
chr17	511488	511488	+	1.472E-14	2.25524E-13	-0.24247	hypo	sig	chr17_511488
chr2	2.42E+08	241834269	+	1.472E-14	2.25558E-13	-0.23724	hypo	sig	chr2_241834269
chr20	21397589	21397589	+	1.473E-14	2.25642E-13	0.21007	hyper	sig	chr20_21397589
chr12	53973497	53973497	+	1.474E-14	2.25893E-13	0.227845	hyper	sig	chr12_53973497
chr11	1.23E+08	123195875	+	1.477E-14	2.26336E-13	0.21321	hyper	sig	chr11_123195875
chr5	5139493	5139493	+	1.477E-14	2.26344E-13	0.220768	hyper	sig	chr5_5139493
chr1	2.36E+08	236396035	+	1.479E-14	2.26524E-13	0.259573	hyper	sig	chr1_236396035
chr1	6086928	6086928	+	1.486E-14	2.2764E-13	-0.29892	hypo	sig	chr1_6086928
chr12	1.08E+08	108211574	+	1.488E-14	2.27835E-13	-0.21841	hypo	sig	chr12_108211574
chr2	1.82E+08	181681846	+	1.488E-14	2.27875E-13	0.304876	hyper	sig	chr2_181681846
chr8	1.42E+08	141622376	+	1.49E-14	2.28157E-13	-0.28166	hypo	sig	chr8_141622376
chr17	36901204	36901204	+	1.491E-14	2.28269E-13	-0.20805	hypo	sig	chr17_36901204
chr1	2.15E+08	215082213	+	1.493E-14	2.28614E-13	0.235278	hyper	sig	chr1_215082213
chr2	2.02E+08	201619186	+	1.493E-14	2.28683E-13	0.261945	hyper	sig	chr2_201619186
chr13	70108225	70108225	+	1.495E-14	2.28916E-13	0.230226	hyper	sig	chr13_70108225
chr19	1203234	1203234	+	1.497E-14	2.2922E-13	-0.25941	hypo	sig	chr19_1203234
chr7	63901324	63901324	+	1.497E-14	2.29247E-13	0.218052	hyper	sig	chr7_63901324
chr14	36654585	36654585	+	1.498E-14	2.29302E-13	0.211316	hyper	sig	chr14_36654585
chr2	949771	949771	+	1.498E-14	2.29363E-13	0.232273	hyper	sig	chr2_949771
chr19	56106735	56106735	+	1.501E-14	2.29885E-13	-0.2797	hypo	sig	chr19_56106735
chr5	1.43E+08	143402509	+	1.502E-14	2.29904E-13	0.226489	hyper	sig	chr5_143402509
chr11	18733222	18733222	+	1.504E-14	2.30231E-13	-0.21921	hypo	sig	chr11_18733222

chr11	1.25E+08	124618901	+	1.51E-14	2.31095E-13	-0.21465	hypo	sig	chr11_124618901
chr17	19346862	19346862	+	1.51E-14	2.3114E-13	-0.22487	hypo	sig	chr17_19346862
chr4	55793706	55793706	+	1.512E-14	2.31401E-13	0.2609	hyper	sig	chr4_55793706
chr19	728369	728369	+	1.513E-14	2.31676E-13	-0.25206	hypo	sig	chr19_728369
chr1	2684251	2684251	+	1.514E-14	2.3178E-13	-0.20038	hypo	sig	chr1_2684251
chr4	1.11E+08	110614348	+	1.514E-14	2.31797E-13	0.25387	hyper	sig	chr4_110614348
chr1	20552294	20552294	+	1.515E-14	2.31881E-13	0.230177	hyper	sig	chr1_20552294
chr11	71610362	71610362	+	1.518E-14	2.3228E-13	-0.24298	hypo	sig	chr11_71610362
chr8	6805821	6805821	+	1.519E-14	2.32526E-13	-0.21574	hypo	sig	chr8_6805821
chr17	72445997	72445997	+	1.52E-14	2.32588E-13	-0.20392	hypo	sig	chr17_72445997
chr3	62377401	62377401	+	1.52E-14	2.32666E-13	0.207485	hyper	sig	chr3_62377401
chr5	1.8E+08	180389033	+	1.521E-14	2.32717E-13	-0.21105	hypo	sig	chr5_180389033
chr20	21713675	21713675	+	1.521E-14	2.32737E-13	0.200391	hyper	sig	chr20_21713675
chr2	1.05E+08	104857996	+	1.525E-14	2.33361E-13	0.235561	hyper	sig	chr2_104857996
chr5	5568455	5568455	+	1.526E-14	2.33503E-13	-0.20806	hypo	sig	chr5_5568455
chr10	22253533	22253533	+	1.527E-14	2.33592E-13	0.210907	hyper	sig	chr10_22253533
chr1	35577395	35577395	+	1.527E-14	2.33609E-13	0.209256	hyper	sig	chr1_35577395
chr1	3083443	3083443	+	1.527E-14	2.33715E-13	-0.23019	hypo	sig	chr1_3083443
chr19	19861259	19861259	+	1.527E-14	2.33717E-13	0.274493	hyper	sig	chr19_19861259
chr8	64371106	64371106	+	1.534E-14	2.34675E-13	0.227737	hyper	sig	chr8_64371106
chr6	42178145	42178145	+	1.538E-14	2.35269E-13	0.276106	hyper	sig	chr6_42178145
chr7	63580081	63580081	+	1.539E-14	2.35459E-13	-0.23103	hypo	sig	chr7_63580081
chr1	2433848	2433848	+	1.542E-14	2.35833E-13	-0.21164	hypo	sig	chr1_2433848
chr11	1373679	1373679	+	1.543E-14	2.35999E-13	-0.23102	hypo	sig	chr11_1373679
chr15	77641371	77641371	+	1.544E-14	2.36186E-13	-0.23381	hypo	sig	chr15_77641371
chr15	82648677	82648677	+	1.545E-14	2.36364E-13	0.240022	hyper	sig	chr15_82648677
chr14	77070183	77070183	+	1.546E-14	2.36383E-13	-0.24678	hypo	sig	chr14_77070183
chr18	59273117	59273117	+	1.548E-14	2.36738E-13	0.219592	hyper	sig	chr18_59273117
chr12	29390656	29390656	+	1.549E-14	2.36908E-13	-0.3009	hypo	sig	chr12_29390656
chr12	1.14E+08	114439676	+	1.552E-14	2.37291E-13	0.240387	hyper	sig	chr12_114439676
chr1	9010074	9010074	+	1.553E-14	2.37444E-13	-0.25183	hypo	sig	chr1_9010074
chr9	97077445	97077445	+	1.553E-14	2.3749E-13	0.200775	hyper	sig	chr9_97077445
chr10	86263346	86263346	+	1.554E-14	2.37672E-13	0.249535	hyper	sig	chr10_86263346
chr20	38728150	38728150	+	1.56E-14	2.38522E-13	0.219737	hyper	sig	chr20_38728150
chr2	46697969	46697969	+	1.56E-14	2.38524E-13	-0.27715	hypo	sig	chr2_46697969
chr11	10694024	10694024	+	1.563E-14	2.38923E-13	-0.21025	hypo	sig	chr11_10694024
chr6	10389856	10389856	+	1.563E-14	2.38998E-13	0.27649	hyper	sig	chr6_10389856
chr17	13602325	13602325	+	1.564E-14	2.39102E-13	0.258772	hyper	sig	chr17_13602325
chr7	75643050	75643050	+	1.565E-14	2.39277E-13	-0.24493	hypo	sig	chr7_75643050
chr19	57099502	57099502	+	1.567E-14	2.39573E-13	0.246107	hyper	sig	chr19_57099502
chr13	35478530	35478530	+	1.569E-14	2.39813E-13	0.241223	hyper	sig	chr13_35478530
chr4	1.51E+08	150579869	+	1.573E-14	2.40482E-13	0.22079	hyper	sig	chr4_150579869
chr14	99118363	99118363	+	1.594E-14	2.43517E-13	0.217286	hyper	sig	chr14_99118363
chr16	89047644	89047644	+	1.594E-14	2.43551E-13	-0.22858	hypo	sig	chr16_89047644
chr9	1.35E+08	134831266	+	1.595E-14	2.43688E-13	-0.2572	hypo	sig	chr9_134831266
chr3	11157097	11157097	+	1.601E-14	2.44629E-13	-0.26776	hypo	sig	chr3_11157097
chr8	1.41E+08	140588074	+	1.604E-14	2.44956E-13	-0.27392	hypo	sig	chr8_140588074
chr3	1.47E+08	147420266	+	1.604E-14	2.44991E-13	0.282272	hyper	sig	chr3_147420266
chr13	87677503	87677503	+	1.61E-14	2.45849E-13	0.236308	hyper	sig	chr13_87677503
chr12	41189937	41189937	+	1.611E-14	2.45997E-13	0.222865	hyper	sig	chr12_41189937
chr2	70768077	70768077	+	1.612E-14	2.46142E-13	0.205834	hyper	sig	chr2_70768077
chr1	2.07E+08	207496303	+	1.614E-14	2.46414E-13	0.206336	hyper	sig	chr1_207496303
chr7	99379277	99379277	+	1.618E-14	2.47115E-13	-0.21806	hypo	sig	chr7_99379277
chr4	1.04E+08	103720035	+	1.619E-14	2.47282E-13	0.204404	hyper	sig	chr4_103720035
chr1	1434213	1434213	+	1.62E-14	2.47289E-13	-0.23043	hypo	sig	chr1_1434213
chr13	1.13E+08	112973207	+	1.626E-14	2.48293E-13	-0.22913	hypo	sig	chr13_112973207

chr19	2306445	2306445	+	1.627E-14	2.48315E-13	-0.21665	hypo	sig	chr19_2306445
chr1	1.1E+08	109668222	+	1.627E-14	2.48406E-13	0.267646	hyper	sig	chr1_109668222
chr6	71588721	71588721	+	1.632E-14	2.49048E-13	0.22263	hyper	sig	chr6_71588721
chr11	1.23E+08	122980050	+	1.632E-14	2.49128E-13	0.270262	hyper	sig	chr11_122980050
chr1	6466218	6466218	+	1.633E-14	2.49323E-13	0.274979	hyper	sig	chr1_6466218
chr6	3752518	3752518	+	1.637E-14	2.49914E-13	0.218057	hyper	sig	chr6_3752518
chr17	803924	803924	+	1.643E-14	2.50718E-13	-0.22899	hypo	sig	chr17_803924
chr2	1055520	1055520	+	1.647E-14	2.51302E-13	-0.21684	hypo	sig	chr2_1055520
chr1	7070001	7070001	+	1.647E-14	2.51303E-13	0.221919	hyper	sig	chr1_7070001
chr19	8592647	8592647	+	1.651E-14	2.51866E-13	0.216143	hyper	sig	chr19_8592647
chr16	775198	775198	+	1.652E-14	2.52005E-13	-0.24815	hypo	sig	chr16_775198
chr1	50416410	50416410	+	1.654E-14	2.52397E-13	0.205965	hyper	sig	chr1_50416410
chr2	2.42E+08	241552598	+	1.657E-14	2.52783E-13	-0.22999	hypo	sig	chr2_241552598
chr18	14143659	14143659	+	1.661E-14	2.53304E-13	-0.23005	hypo	sig	chr18_14143659
chr1	2.02E+08	201603059	+	1.661E-14	2.53338E-13	-0.24092	hypo	sig	chr1_201603059
chr11	69250086	69250086	+	1.661E-14	2.53425E-13	-0.21063	hypo	sig	chr11_69250086
chr11	65047734	65047734	+	1.663E-14	2.53675E-13	0.208861	hyper	sig	chr11_65047734
chr8	70069869	70069869	+	1.665E-14	2.53962E-13	0.2016	hyper	sig	chr8_70069869
chr19	13013801	13013801	+	1.668E-14	2.54322E-13	0.217326	hyper	sig	chr19_13013801
chr20	38725120	38725120	+	1.668E-14	2.54429E-13	0.261443	hyper	sig	chr20_38725120
chr12	1.21E+08	121223941	+	1.669E-14	2.54528E-13	-0.26364	hypo	sig	chr12_121223941
chr16	46573776	46573776	+	1.675E-14	2.55457E-13	-0.26061	hypo	sig	chr16_46573776
chr1	6466286	6466286	+	1.678E-14	2.55874E-13	0.20684	hyper	sig	chr1_6466286
chr1	50424994	50424994	+	1.68E-14	2.56154E-13	0.241841	hyper	sig	chr1_50424994
chr1	50426663	50426663	+	1.681E-14	2.56336E-13	0.206827	hyper	sig	chr1_50426663
chr7	2518065	2518065	+	1.681E-14	2.56361E-13	-0.21926	hypo	sig	chr7_2518065
chr11	73296619	73296619	+	1.69E-14	2.57581E-13	-0.25119	hypo	sig	chr11_73296619
chr11	68009101	68009101	+	1.696E-14	2.5844E-13	-0.22031	hypo	sig	chr11_68009101
chr15	24878314	24878314	+	1.698E-14	2.58819E-13	0.214418	hyper	sig	chr15_24878314
chr12	38151467	38151467	+	1.698E-14	2.58834E-13	-0.20159	hypo	sig	chr12_38151467
chr5	1.14E+08	114058894	+	1.699E-14	2.58991E-13	-0.25922	hypo	sig	chr5_114058894
chr17	49964735	49964735	+	1.703E-14	2.59593E-13	0.211448	hyper	sig	chr17_49964735
chr4	41881132	41881132	+	1.704E-14	2.59632E-13	0.216538	hyper	sig	chr4_41881132
chr11	1.29E+08	128824190	+	1.708E-14	2.60282E-13	0.251704	hyper	sig	chr11_128824190
chr6	10881779	10881779	+	1.71E-14	2.60531E-13	0.225921	hyper	sig	chr6_10881779
chr19	49390258	49390258	+	1.711E-14	2.60682E-13	-0.22763	hypo	sig	chr19_49390258
chr17	42670406	42670406	+	1.72E-14	2.62049E-13	0.211258	hyper	sig	chr17_42670406
chr4	1.47E+08	146647516	+	1.723E-14	2.62417E-13	0.27609	hyper	sig	chr4_146647516
chr3	22372900	22372900	+	1.723E-14	2.6246E-13	0.333307	hyper	sig	chr3_22372900
chr7	98870537	98870537	+	1.727E-14	2.62999E-13	0.213182	hyper	sig	chr7_98870537
chr9	74501171	74501171	+	1.728E-14	2.6323E-13	0.240882	hyper	sig	chr9_74501171
chr16	89818961	89818961	+	1.73E-14	2.63411E-13	-0.31296	hypo	sig	chr16_89818961
chr11	65833364	65833364	+	1.73E-14	2.63479E-13	0.234775	hyper	sig	chr11_65833364
chr16	1040166	1040166	+	1.73E-14	2.63479E-13	-0.23958	hypo	sig	chr16_1040166
chr15	79091105	79091105	+	1.732E-14	2.63735E-13	0.231917	hyper	sig	chr15_79091105
chr12	7916096	7916096	+	1.739E-14	2.64757E-13	0.2883	hyper	sig	chr12_7916096
chr13	95302280	95302280	+	1.74E-14	2.64951E-13	-0.27684	hypo	sig	chr13_95302280
chr3	46577154	46577154	+	1.741E-14	2.65011E-13	0.205083	hyper	sig	chr3_46577154
chr3	62377374	62377374	+	1.742E-14	2.65227E-13	0.214789	hyper	sig	chr3_62377374
chr10	13892368	13892368	+	1.744E-14	2.65562E-13	0.244869	hyper	sig	chr10_13892368
chr12	6555414	6555414	+	1.748E-14	2.66113E-13	0.226174	hyper	sig	chr12_6555414
chr4	1.74E+08	173518730	+	1.749E-14	2.66168E-13	0.250559	hyper	sig	chr4_173518730
chr6	32482184	32482184	+	1.749E-14	2.66192E-13	-0.22686	hypo	sig	chr6_32482184
chr7	74094627	74094627	+	1.753E-14	2.66821E-13	0.238501	hyper	sig	chr7_74094627
chr17	2057833	2057833	+	1.754E-14	2.66982E-13	0.221452	hyper	sig	chr17_2057833
chr17	44558417	44558417	+	1.755E-14	2.67117E-13	0.20153	hyper	sig	chr17_44558417

chr16	46639026	46639026	+	1.755E-14	2.6713E-13	-0.27848	hypo	sig	chr16_46639026
chr9	96687222	96687222	+	1.758E-14	2.67581E-13	0.211417	hyper	sig	chr9_96687222
chr11	79441764	79441764	+	1.763E-14	2.68253E-13	0.236584	hyper	sig	chr11_79441764
chr9	34809563	34809563	+	1.765E-14	2.68626E-13	0.205077	hyper	sig	chr9_34809563
chr20	62686850	62686850	+	1.77E-14	2.69358E-13	-0.2108	hypo	sig	chr20_62686850
chr17	82315377	82315377	+	1.771E-14	2.69508E-13	-0.20989	hypo	sig	chr17_82315377
chr4	3286328	3286328	+	1.772E-14	2.69641E-13	-0.20285	hypo	sig	chr4_3286328
chr11	1.23E+08	122976509	+	1.776E-14	2.702E-13	0.296217	hyper	sig	chr11_122976509
chr21	33022996	33022996	+	1.78E-14	2.70823E-13	0.27064	hyper	sig	chr21_33022996
chr8	23714184	23714184	+	1.782E-14	2.71133E-13	0.249491	hyper	sig	chr8_23714184
chr6	32149054	32149054	+	1.784E-14	2.71393E-13	0.20141	hyper	sig	chr6_32149054
chr8	1.44E+08	144336073	+	1.786E-14	2.7171E-13	0.260756	hyper	sig	chr8_144336073
chr6	32210826	32210826	+	1.788E-14	2.71986E-13	-0.24912	hypo	sig	chr6_32210826
chr4	6329618	6329618	+	1.792E-14	2.72599E-13	-0.22843	hypo	sig	chr4_6329618
chr6	13860374	13860374	+	1.792E-14	2.7261E-13	0.261481	hyper	sig	chr6_13860374
chr14	60511392	60511392	+	1.794E-14	2.72933E-13	0.219047	hyper	sig	chr14_60511392
chr2	89611998	89611998	+	1.796E-14	2.73216E-13	0.251128	hyper	sig	chr2_89611998
chr19	58038504	58038504	+	1.798E-14	2.73448E-13	0.223665	hyper	sig	chr19_58038504
chr3	14818828	14818828	+	1.801E-14	2.739E-13	-0.2245	hypo	sig	chr3_14818828
chr2	1.34E+08	134024164	+	1.802E-14	2.74052E-13	-0.25838	hypo	sig	chr2_134024164
chr10	1.19E+08	118595915	+	1.81E-14	2.7526E-13	0.256944	hyper	sig	chr10_118595915
chr16	85697566	85697566	+	1.811E-14	2.75431E-13	-0.29583	hypo	sig	chr16_85697566
chr8	1.31E+08	131039861	+	1.812E-14	2.75479E-13	0.272252	hyper	sig	chr8_131039861
chr4	55157882	55157882	+	1.813E-14	2.75573E-13	0.273499	hyper	sig	chr4_55157882
chr21	45015791	45015791	+	1.814E-14	2.75803E-13	-0.26459	hypo	sig	chr21_45015791
chr17	50781424	50781424	+	1.815E-14	2.75938E-13	0.203166	hyper	sig	chr17_50781424
chr6	2197538	2197538	+	1.816E-14	2.76062E-13	-0.20844	hypo	sig	chr6_2197538
chr6	1.46E+08	146434511	+	1.816E-14	2.76133E-13	0.221725	hyper	sig	chr6_146434511
chr2	2.42E+08	241552591	+	1.818E-14	2.76361E-13	-0.21937	hypo	sig	chr2_241552591
chr13	24932188	24932188	+	1.82E-14	2.76632E-13	0.202967	hyper	sig	chr13_24932188
chr6	10384982	10384982	+	1.82E-14	2.76688E-13	0.246726	hyper	sig	chr6_10384982
chr12	6142229	6142229	+	1.823E-14	2.77144E-13	-0.27823	hypo	sig	chr12_6142229
chr19	731158	731158	+	1.825E-14	2.77352E-13	-0.29593	hypo	sig	chr19_731158
chr17	78041379	78041379	+	1.826E-14	2.77492E-13	-0.21822	hypo	sig	chr17_78041379
chr16	1992696	1992696	+	1.826E-14	2.77564E-13	0.208916	hyper	sig	chr16_1992696
chr5	1.73E+08	173244001	+	1.827E-14	2.77725E-13	0.215871	hyper	sig	chr5_173244001
chr11	70827114	70827114	+	1.83E-14	2.78112E-13	0.220322	hyper	sig	chr11_70827114
chr7	44043919	44043919	+	1.833E-14	2.78598E-13	-0.20994	hypo	sig	chr7_44043919
chr5	1.71E+08	170773287	+	1.835E-14	2.78819E-13	-0.21155	hypo	sig	chr5_170773287
chr16	1273400	1273400	+	1.839E-14	2.79409E-13	-0.22918	hypo	sig	chr16_1273400
chr14	1.01E+08	100728975	+	1.839E-14	2.79476E-13	-0.24988	hypo	sig	chr14_100728975
chr2	1.21E+08	120696189	+	1.841E-14	2.79752E-13	0.237246	hyper	sig	chr2_120696189
chr5	88889286	88889286	+	1.842E-14	2.79801E-13	0.243529	hyper	sig	chr5_88889286
chr11	1.17E+08	116823625	+	1.843E-14	2.79948E-13	-0.2069	hypo	sig	chr11_116823625
chr9	3181102	3181102	+	1.849E-14	2.80816E-13	0.212324	hyper	sig	chr9_3181102
chr20	62470695	62470695	+	1.85E-14	2.80988E-13	-0.20111	hypo	sig	chr20_62470695
chr21	45618983	45618983	+	1.85E-14	2.81063E-13	-0.24034	hypo	sig	chr21_45618983
chr13	94704762	94704762	+	1.854E-14	2.81584E-13	0.218508	hyper	sig	chr13_94704762
chr17	74114097	74114097	+	1.854E-14	2.8161E-13	0.20522	hyper	sig	chr17_74114097
chr12	89355411	89355411	+	1.854E-14	2.81637E-13	-0.20077	hypo	sig	chr12_89355411
chr4	7481873	7481873	+	1.858E-14	2.82231E-13	-0.202	hypo	sig	chr4_7481873
chr9	1.34E+08	133811980	+	1.861E-14	2.82564E-13	-0.22241	hypo	sig	chr9_133811980
chr1	63329698	63329698	+	1.861E-14	2.82592E-13	0.208524	hyper	sig	chr1_63329698
chr8	1.04E+08	103500829	+	1.862E-14	2.82744E-13	0.210365	hyper	sig	chr8_103500829
chr6	77650238	77650238	+	1.862E-14	2.82774E-13	0.202082	hyper	sig	chr6_77650238
chr11	267619	267619	+	1.865E-14	2.83133E-13	-0.27377	hypo	sig	chr11_267619

chr10	61453743	61453743	+	1.867E-14	2.83493E-13	0.208014	hyper	sig	chr10_61453743
chr8	1.4E+08	139612488	+	1.871E-14	2.84144E-13	-0.2291	hypo	sig	chr8_139612488
chr14	19435148	19435148	+	1.873E-14	2.84314E-13	-0.2078	hypo	sig	chr14_19435148
chr4	56656680	56656680	+	1.876E-14	2.84747E-13	0.20857	hyper	sig	chr4_56656680
chr7	1.03E+08	103152923	+	1.877E-14	2.85022E-13	-0.21076	hypo	sig	chr7_103152923
chr8	54454222	54454222	+	1.879E-14	2.85188E-13	0.269871	hyper	sig	chr8_54454222
chr13	24932195	24932195	+	1.881E-14	2.85595E-13	0.205263	hyper	sig	chr13_24932195
chr1	1.21E+08	121009700	+	1.883E-14	2.85805E-13	0.209446	hyper	sig	chr1_121009700
chr17	81422672	81422672	+	1.884E-14	2.85947E-13	-0.20727	hypo	sig	chr17_81422672
chr19	56507280	56507280	+	1.886E-14	2.86206E-13	0.269118	hyper	sig	chr19_56507280
chr1	2.28E+08	228158321	+	1.887E-14	2.86411E-13	0.200552	hyper	sig	chr1_228158321
chr19	4852125	4852125	+	1.888E-14	2.86524E-13	0.20513	hyper	sig	chr19_4852125
chr12	75209218	75209218	+	1.896E-14	2.87742E-13	0.308425	hyper	sig	chr12_75209218
chr16	31569628	31569628	+	1.899E-14	2.88124E-13	0.264822	hyper	sig	chr16_31569628
chr12	56488788	56488788	+	1.901E-14	2.88464E-13	0.20381	hyper	sig	chr12_56488788
chr1	2.14E+08	214187611	+	1.901E-14	2.885E-13	0.200042	hyper	sig	chr1_214187611
chr7	42228082	42228082	+	1.901E-14	2.88505E-13	0.219089	hyper	sig	chr7_42228082
chr1	10828496	10828496	+	1.904E-14	2.88821E-13	-0.23623	hypo	sig	chr1_10828496
chr14	23366729	23366729	+	1.905E-14	2.88988E-13	0.215909	hyper	sig	chr14_23366729
chr7	1.54E+08	153887371	+	1.906E-14	2.89178E-13	0.288397	hyper	sig	chr7_153887371
chr10	83563241	83563241	+	1.907E-14	2.89298E-13	-0.21917	hypo	sig	chr10_83563241
chr16	10182872	10182872	+	1.907E-14	2.89298E-13	0.224786	hyper	sig	chr16_10182872
chr19	6199174	6199174	+	1.908E-14	2.89395E-13	0.271633	hyper	sig	chr19_6199174
chr13	24743881	24743881	+	1.909E-14	2.89522E-13	-0.24575	hypo	sig	chr13_24743881
chr1	65526110	65526110	+	1.911E-14	2.89854E-13	0.220684	hyper	sig	chr1_65526110
chr11	94401863	94401863	+	1.913E-14	2.90157E-13	0.248927	hyper	sig	chr11_94401863
chr8	55372098	55372098	+	1.914E-14	2.90353E-13	-0.29412	hypo	sig	chr8_55372098
chr14	36654587	36654587	+	1.915E-14	2.90394E-13	0.212745	hyper	sig	chr14_36654587
chr11	1.34E+08	134273255	+	1.918E-14	2.90924E-13	-0.21059	hypo	sig	chr11_134273255
chr16	51111001	51111001	+	1.92E-14	2.91221E-13	-0.29377	hypo	sig	chr16_51111001
chr9	1.37E+08	137244377	+	1.923E-14	2.9162E-13	-0.23995	hypo	sig	chr9_137244377
chr5	1.1E+08	109884642	+	1.924E-14	2.91766E-13	-0.31925	hypo	sig	chr5_109884642
chr12	54054957	54054957	+	1.926E-14	2.91971E-13	0.23728	hyper	sig	chr12_54054957
chr7	33921741	33921741	+	1.927E-14	2.92178E-13	-0.21229	hypo	sig	chr7_33921741
chr8	1.43E+08	142823591	+	1.935E-14	2.93338E-13	-0.2628	hypo	sig	chr8_142823591
chr6	83524744	83524744	+	1.939E-14	2.94005E-13	-0.21332	hypo	sig	chr6_83524744
chr12	1.32E+08	132248331	+	1.942E-14	2.9434E-13	-0.21164	hypo	sig	chr12_132248331
chr10	25935027	25935027	+	1.944E-14	2.9468E-13	0.226512	hyper	sig	chr10_25935027
chr1	28886676	28886676	+	1.944E-14	2.94711E-13	-0.22807	hypo	sig	chr1_28886676
chr20	43916484	43916484	+	1.947E-14	2.95064E-13	0.230284	hyper	sig	chr20_43916484
chr10	1.33E+08	133170825	+	1.948E-14	2.95279E-13	-0.20427	hypo	sig	chr10_133170825
chr10	1.29E+08	128959072	+	1.95E-14	2.95508E-13	-0.22912	hypo	sig	chr10_128959072
chr1	1.56E+08	156388113	+	1.952E-14	2.95752E-13	0.210274	hyper	sig	chr1_156388113
chr14	99659548	99659548	+	1.952E-14	2.95874E-13	0.233572	hyper	sig	chr14_99659548
chr11	69116241	69116241	+	1.957E-14	2.9647E-13	-0.20189	hypo	sig	chr11_69116241
chr1	2.02E+08	201603073	+	1.957E-14	2.96532E-13	-0.24993	hypo	sig	chr1_201603073
chr11	1.18E+08	117987370	+	1.959E-14	2.96813E-13	-0.26627	hypo	sig	chr11_117987370
chr11	20601766	20601766	+	1.96E-14	2.96982E-13	0.222863	hyper	sig	chr11_20601766
chr18	11752137	11752137	+	1.961E-14	2.97073E-13	0.245451	hyper	sig	chr18_11752137
chr6	1.68E+08	167987984	+	1.961E-14	2.9714E-13	-0.21149	hypo	sig	chr6_167987984
chr12	2640805	2640805	+	1.962E-14	2.97252E-13	-0.20966	hypo	sig	chr12_2640805
chr17	7235918	7235918	+	1.964E-14	2.97524E-13	-0.26597	hypo	sig	chr17_7235918
chr5	1.73E+08	173211184	+	1.968E-14	2.98057E-13	-0.25481	hypo	sig	chr5_173211184
chr9	94332687	94332687	+	1.97E-14	2.98434E-13	0.203764	hyper	sig	chr9_94332687
chr11	94401860	94401860	+	1.973E-14	2.98786E-13	0.240792	hyper	sig	chr11_94401860
chr17	49257486	49257486	+	1.973E-14	2.98824E-13	-0.24806	hypo	sig	chr17_49257486

chr4	7185444	7185444	+	1.974E-14	2.98994E-13	-0.23922	hypo	sig	chr4_7185444
chr12	1.3E+08	130106007	+	1.978E-14	2.99569E-13	0.205708	hyper	sig	chr12_130106007
chr15	40240006	40240006	+	1.979E-14	2.99701E-13	-0.22203	hypo	sig	chr15_40240006
chr19	2511551	2511551	+	1.98E-14	2.99814E-13	-0.25376	hypo	sig	chr19_2511551
chr8	54457611	54457611	+	1.98E-14	2.99907E-13	0.248795	hyper	sig	chr8_54457611
chr9	93346128	93346128	+	1.983E-14	3.00247E-13	0.21402	hyper	sig	chr9_93346128
chr7	1.59E+08	159027789	+	1.985E-14	3.00579E-13	-0.20548	hypo	sig	chr7_159027789
chr7	1.22E+08	122299865	+	1.987E-14	3.00842E-13	0.223022	hyper	sig	chr7_122299865
chr3	44337612	44337612	+	1.99E-14	3.01398E-13	-0.3269	hypo	sig	chr3_44337612
chr19	57709078	57709078	+	1.99E-14	3.01401E-13	0.209214	hyper	sig	chr19_57709078
chr16	55324151	55324151	+	1.991E-14	3.01431E-13	0.246649	hyper	sig	chr16_55324151
chr14	84091706	84091706	+	1.992E-14	3.01566E-13	-0.25727	hypo	sig	chr14_84091706
chr22	49764452	49764452	+	1.993E-14	3.0177E-13	-0.20379	hypo	sig	chr22_49764452
chr3	62373910	62373910	+	1.993E-14	3.0177E-13	0.260224	hyper	sig	chr3_62373910
chr16	24255563	24255563	+	1.995E-14	3.02003E-13	0.237018	hyper	sig	chr16_24255563
chr17	50781428	50781428	+	2E-14	3.0282E-13	0.20562	hyper	sig	chr17_50781428
chr1	1.71E+08	170669747	+	2.003E-14	3.03189E-13	0.204938	hyper	sig	chr1_170669747
chr20	62686808	62686808	+	2.006E-14	3.03628E-13	-0.22354	hypo	sig	chr20_62686808
chr10	1.18E+08	117536425	+	2.012E-14	3.04615E-13	0.210195	hyper	sig	chr10_117536425
chr3	1.43E+08	143121443	+	2.013E-14	3.04761E-13	0.235964	hyper	sig	chr3_143121443
chr2	70715586	70715586	+	2.014E-14	3.04913E-13	-0.25983	hypo	sig	chr2_70715586
chr22	29581804	29581804	+	2.015E-14	3.04979E-13	-0.25638	hypo	sig	chr22_29581804
chr4	1.44E+08	143912302	+	2.022E-14	3.06059E-13	0.27168	hyper	sig	chr4_143912302
chr12	1.29E+08	128854238	+	2.024E-14	3.0629E-13	0.237148	hyper	sig	chr12_128854238
chr16	85162577	85162577	+	2.024E-14	3.0629E-13	-0.20107	hypo	sig	chr16_85162577
chr15	23686533	23686533	+	2.025E-14	3.064E-13	0.207245	hyper	sig	chr15_23686533
chr4	1.48E+08	147866242	+	2.025E-14	3.064E-13	-0.3096	hypo	sig	chr4_147866242
chr4	3649506	3649506	+	2.031E-14	3.07399E-13	-0.20315	hypo	sig	chr4_3649506
chr4	7478185	7478185	+	2.032E-14	3.07492E-13	-0.21666	hypo	sig	chr4_7478185
chr17	41715640	41715640	+	2.033E-14	3.07647E-13	-0.23441	hypo	sig	chr17_41715640
chr14	76349168	76349168	+	2.035E-14	3.0797E-13	-0.20097	hypo	sig	chr14_76349168
chr10	43573912	43573912	+	2.037E-14	3.08169E-13	0.206468	hyper	sig	chr10_43573912
chr1	1.19E+08	118979515	+	2.049E-14	3.10016E-13	0.226994	hyper	sig	chr1_118979515
chr12	1.19E+08	119175450	+	2.052E-14	3.10463E-13	-0.22758	hypo	sig	chr12_119175450
chr11	1.23E+08	123302395	+	2.054E-14	3.10674E-13	0.228489	hyper	sig	chr11_123302395
chr5	1.73E+08	172957761	+	2.055E-14	3.10834E-13	-0.30365	hypo	sig	chr5_172957761
chr2	38074611	38074611	+	2.058E-14	3.11282E-13	0.240908	hyper	sig	chr2_38074611
chr5	3854942	3854942	+	2.059E-14	3.11425E-13	-0.20244	hypo	sig	chr5_3854942
chr10	1.17E+08	117132084	+	2.061E-14	3.11669E-13	0.237384	hyper	sig	chr10_117132084
chr8	55939731	55939731	+	2.065E-14	3.12363E-13	0.228661	hyper	sig	chr8_55939731
chr20	59043410	59043410	+	2.066E-14	3.12413E-13	-0.23089	hypo	sig	chr20_59043410
chr19	35866184	35866184	+	2.068E-14	3.12678E-13	-0.30434	hypo	sig	chr19_35866184
chr19	58356981	58356981	+	2.069E-14	3.1288E-13	0.219681	hyper	sig	chr19_58356981
chr2	1.19E+08	118842426	+	2.071E-14	3.13103E-13	0.241404	hyper	sig	chr2_118842426
chr2	44945160	44945160	+	2.073E-14	3.13396E-13	0.220786	hyper	sig	chr2_44945160
chr22	48055790	48055790	+	2.073E-14	3.13443E-13	-0.26198	hypo	sig	chr22_48055790
chr1	57423409	57423409	+	2.074E-14	3.13536E-13	0.223762	hyper	sig	chr1_57423409
chr19	4902564	4902564	+	2.085E-14	3.15285E-13	-0.20263	hypo	sig	chr19_4902564
chr17	4497748	4497748	+	2.092E-14	3.16259E-13	-0.24019	hypo	sig	chr17_4497748
chr12	1.14E+08	114444766	+	2.096E-14	3.16904E-13	0.220884	hyper	sig	chr12_114444766
chr10	69640240	69640240	+	2.101E-14	3.17519E-13	-0.21088	hypo	sig	chr10_69640240
chr11	62337190	62337190	+	2.103E-14	3.17893E-13	-0.25624	hypo	sig	chr11_62337190
chr4	3810540	3810540	+	2.107E-14	3.18519E-13	-0.20297	hypo	sig	chr4_3810540
chr1	1.55E+08	155243875	+	2.108E-14	3.18583E-13	-0.22863	hypo	sig	chr1_155243875
chr16	85810557	85810557	+	2.115E-14	3.19585E-13	-0.20735	hypo	sig	chr16_85810557
chr13	32022500	32022500	+	2.116E-14	3.19698E-13	-0.26208	hypo	sig	chr13_32022500

chr10	1.01E+08	101218331	+	2.119E-14	3.20238E-13	0.200685	hyper	sig	chr10_101218331
chr8	96145596	96145596	+	2.123E-14	3.20765E-13	0.246702	hyper	sig	chr8_96145596
chr10	98464477	98464477	+	2.123E-14	3.20805E-13	-0.24517	hypo	sig	chr10_98464477
chr6	1.69E+08	169175481	+	2.125E-14	3.21072E-13	-0.2474	hypo	sig	chr6_169175481
chr1	41021765	41021765	+	2.126E-14	3.2119E-13	-0.2173	hypo	sig	chr1_41021765
chr5	42943966	42943966	+	2.127E-14	3.214E-13	0.258841	hyper	sig	chr5_42943966
chr19	10514147	10514147	+	2.129E-14	3.21616E-13	0.21902	hyper	sig	chr19_10514147
chr16	86507825	86507825	+	2.131E-14	3.21951E-13	0.232246	hyper	sig	chr16_86507825
chr7	1.52E+08	151796652	+	2.133E-14	3.22206E-13	-0.20555	hypo	sig	chr7_151796652
chr10	1.33E+08	132784403	+	2.139E-14	3.23119E-13	0.253714	hyper	sig	chr10_132784403
chr12	29783072	29783072	+	2.141E-14	3.23352E-13	0.303236	hyper	sig	chr12_29783072
chr16	51113884	51113884	+	2.142E-14	3.23454E-13	0.230407	hyper	sig	chr16_51113884
chr4	338717	338717	+	2.145E-14	3.24041E-13	0.280044	hyper	sig	chr4_338717
chr8	98426486	98426486	+	2.148E-14	3.24343E-13	0.259434	hyper	sig	chr8_98426486
chr8	58147929	58147929	+	2.151E-14	3.24865E-13	-0.27404	hypo	sig	chr8_58147929
chr6	13860389	13860389	+	2.155E-14	3.25366E-13	0.263888	hyper	sig	chr6_13860389
chr12	42226888	42226888	+	2.166E-14	3.27068E-13	0.241024	hyper	sig	chr12_42226888
chr7	1.44E+08	143885418	+	2.169E-14	3.27396E-13	0.26841	hyper	sig	chr7_143885418
chr17	79045719	79045719	+	2.169E-14	3.27451E-13	-0.26122	hypo	sig	chr17_79045719
chr6	1.37E+08	137490003	+	2.171E-14	3.27719E-13	0.238551	hyper	sig	chr6_137490003
chr13	26012116	26012116	+	2.171E-14	3.27781E-13	-0.22342	hypo	sig	chr13_26012116
chr5	436688	436688	+	2.174E-14	3.28177E-13	-0.23933	hypo	sig	chr5_436688
chr19	53942212	53942212	+	2.176E-14	3.28524E-13	0.233212	hyper	sig	chr19_53942212
chr9	1.34E+08	134023886	+	2.18E-14	3.29058E-13	-0.2497	hypo	sig	chr9_134023886
chr2	50347624	50347624	+	2.181E-14	3.29186E-13	0.201419	hyper	sig	chr2_50347624
chr15	31441983	31441983	+	2.184E-14	3.29583E-13	-0.30766	hypo	sig	chr15_31441983
chr4	2430208	2430208	+	2.184E-14	3.29686E-13	-0.2325	hypo	sig	chr4_2430208
chr19	41930400	41930400	+	2.185E-14	3.2982E-13	-0.22082	hypo	sig	chr19_41930400
chr1	3566274	3566274	+	2.187E-14	3.30044E-13	-0.20806	hypo	sig	chr1_3566274
chr2	2.38E+08	238494315	+	2.191E-14	3.30656E-13	-0.22177	hypo	sig	chr2_238494315
chr19	53255479	53255479	+	2.192E-14	3.30708E-13	0.348169	hyper	sig	chr19_53255479
chr2	2.4E+08	240145656	+	2.197E-14	3.31402E-13	-0.22564	hypo	sig	chr2_240145656
chr2	2.32E+08	232388086	+	2.197E-14	3.31404E-13	0.265832	hyper	sig	chr2_232388086
chr5	1.59E+08	159096529	+	2.2E-14	3.31814E-13	0.207846	hyper	sig	chr5_159096529
chr4	44447602	44447602	+	2.204E-14	3.325E-13	0.23403	hyper	sig	chr4_44447602
chr9	1.29E+08	129257088	+	2.205E-14	3.3261E-13	-0.21387	hypo	sig	chr9_129257088
chr10	99531350	99531350	+	2.214E-14	3.33909E-13	0.21583	hyper	sig	chr10_99531350
chr11	47595273	47595273	+	2.215E-14	3.34072E-13	-0.21661	hypo	sig	chr11_47595273
chr3	10816034	10816034	+	2.216E-14	3.34217E-13	0.215077	hyper	sig	chr3_10816034
chr20	63590010	63590010	+	2.217E-14	3.3435E-13	0.238658	hyper	sig	chr20_63590010
chr11	1.29E+08	128824480	+	2.22E-14	3.34717E-13	0.216494	hyper	sig	chr11_128824480
chr3	1.72E+08	172447797	+	2.221E-14	3.3486E-13	0.275473	hyper	sig	chr3_172447797
chr10	1.32E+08	132272189	+	2.223E-14	3.35227E-13	-0.24965	hypo	sig	chr10_132272189
chr5	1.59E+08	159104897	+	2.225E-14	3.35469E-13	0.247243	hyper	sig	chr5_159104897
chr19	18596711	18596711	+	2.228E-14	3.35921E-13	-0.21484	hypo	sig	chr19_18596711
chr13	35478417	35478417	+	2.231E-14	3.36321E-13	0.281035	hyper	sig	chr13_35478417
chr14	1.04E+08	104180137	+	2.232E-14	3.36541E-13	-0.20415	hypo	sig	chr14_104180137
chr16	88394414	88394414	+	2.234E-14	3.36789E-13	-0.20656	hypo	sig	chr16_88394414
chr4	84503307	84503307	+	2.235E-14	3.36952E-13	0.23128	hyper	sig	chr4_84503307
chr13	35478585	35478585	+	2.239E-14	3.37448E-13	0.2425	hyper	sig	chr13_35478585
chr1	1.13E+08	112854646	+	2.239E-14	3.37566E-13	0.272126	hyper	sig	chr1_112854646
chr9	1.28E+08	127925290	+	2.244E-14	3.38264E-13	-0.20427	hypo	sig	chr9_127925290
chr8	1694482	1694482	+	2.246E-14	3.38495E-13	-0.20625	hypo	sig	chr8_1694482
chr1	1.46E+08	146486619	+	2.251E-14	3.39281E-13	0.254522	hyper	sig	chr1_146486619
chr1	33433751	33433751	+	2.253E-14	3.39569E-13	-0.2024	hypo	sig	chr1_33433751
chr20	46513235	46513235	+	2.258E-14	3.40275E-13	0.218154	hyper	sig	chr20_46513235

chr1	1426349	1426349	+	2.259E-14	3.40416E-13	-0.20813	hypo	sig	chr1_1426349
chr7	2193590	2193590	+	2.262E-14	3.40847E-13	-0.23513	hypo	sig	chr7_2193590
chr17	77233660	77233660	+	2.27E-14	3.42027E-13	-0.22956	hypo	sig	chr17_77233660
chr19	53255235	53255235	+	2.274E-14	3.42549E-13	0.282184	hyper	sig	chr19_53255235
chr14	1.01E+08	100693097	+	2.276E-14	3.42923E-13	-0.20031	hypo	sig	chr14_100693097
chr13	27665832	27665832	+	2.283E-14	3.43943E-13	0.303397	hyper	sig	chr13_27665832
chr19	56476980	56476980	+	2.285E-14	3.44147E-13	0.225789	hyper	sig	chr19_56476980
chr1	50416405	50416405	+	2.291E-14	3.4499E-13	0.215345	hyper	sig	chr1_50416405
chr15	51093624	51093624	+	2.293E-14	3.45309E-13	0.204864	hyper	sig	chr15_51093624
chr19	4903940	4903940	+	2.293E-14	3.45336E-13	-0.2436	hypo	sig	chr19_4903940
chr16	35211414	35211414	+	2.294E-14	3.45477E-13	-0.21234	hypo	sig	chr16_35211414
chr20	37902518	37902518	+	2.295E-14	3.45605E-13	0.26973	hyper	sig	chr20_37902518
chr17	40026224	40026224	+	2.303E-14	3.46777E-13	-0.20947	hypo	sig	chr17_40026224
chr18	77671646	77671646	+	2.303E-14	3.46777E-13	0.241863	hyper	sig	chr18_77671646
chr17	73293211	73293211	+	2.308E-14	3.47489E-13	-0.21599	hypo	sig	chr17_73293211
chr6	10385129	10385129	+	2.311E-14	3.47879E-13	0.238873	hyper	sig	chr6_10385129
chr1	90717484	90717484	+	2.313E-14	3.4826E-13	0.213848	hyper	sig	chr1_90717484
chr19	50637206	50637206	+	2.319E-14	3.49083E-13	-0.2131	hypo	sig	chr19_50637206
chr13	99655963	99655963	+	2.327E-14	3.50294E-13	-0.21731	hypo	sig	chr13_99655963
chr1	19659227	19659227	+	2.33E-14	3.50626E-13	-0.20828	hypo	sig	chr1_19659227
chr3	1.2E+08	119810209	+	2.33E-14	3.50733E-13	0.249036	hyper	sig	chr3_119810209
chr1	90717473	90717473	+	2.334E-14	3.51203E-13	0.22734	hyper	sig	chr1_90717473
chr12	1.29E+08	128854268	+	2.338E-14	3.51783E-13	0.222685	hyper	sig	chr12_128854268
chr9	1.19E+08	119369306	+	2.342E-14	3.52462E-13	0.271816	hyper	sig	chr9_119369306
chr22	48550842	48550842	+	2.344E-14	3.52648E-13	-0.20168	hypo	sig	chr22_48550842
chr22	17370759	17370759	+	2.344E-14	3.52662E-13	0.201895	hyper	sig	chr22_17370759
chr3	1.2E+08	119809792	+	2.344E-14	3.52662E-13	0.237692	hyper	sig	chr3_119809792
chr20	38725057	38725057	+	2.352E-14	3.53904E-13	0.220457	hyper	sig	chr20_38725057
chr1	1.19E+08	118985589	+	2.354E-14	3.54088E-13	0.245863	hyper	sig	chr1_118985589
chr6	37538483	37538483	+	2.354E-14	3.54095E-13	-0.23759	hypo	sig	chr6_37538483
chr21	36712981	36712981	+	2.354E-14	3.54135E-13	0.215651	hyper	sig	chr21_36712981
chr10	70283843	70283843	+	2.356E-14	3.54405E-13	0.264681	hyper	sig	chr10_70283843
chr8	1.44E+08	143938557	+	2.362E-14	3.55264E-13	-0.20017	hypo	sig	chr8_143938557
chr19	38469079	38469079	+	2.365E-14	3.55784E-13	-0.28603	hypo	sig	chr19_38469079
chr12	3277662	3277662	+	2.368E-14	3.56179E-13	-0.22186	hypo	sig	chr12_3277662
chr13	94704738	94704738	+	2.369E-14	3.563E-13	0.21792	hyper	sig	chr13_94704738
chr12	7873039	7873039	+	2.376E-14	3.57305E-13	0.242634	hyper	sig	chr12_7873039
chr12	1.32E+08	132429131	+	2.377E-14	3.57522E-13	-0.20974	hypo	sig	chr12_132429131
chr7	99498787	99498787	+	2.378E-14	3.5756E-13	-0.22898	hypo	sig	chr7_99498787
chr2	3062748	3062748	+	2.381E-14	3.58094E-13	-0.21788	hypo	sig	chr2_3062748
chr18	9707911	9707911	+	2.385E-14	3.58681E-13	0.212852	hyper	sig	chr18_9707911
chr13	24719183	24719183	+	2.387E-14	3.58945E-13	-0.2001	hypo	sig	chr13_24719183
chr13	35475737	35475737	+	2.395E-14	3.59996E-13	0.217926	hyper	sig	chr13_35475737
chr13	36345277	36345277	+	2.4E-14	3.60838E-13	0.203961	hyper	sig	chr13_36345277
chr6	50715876	50715876	+	2.403E-14	3.61165E-13	0.232789	hyper	sig	chr6_50715876
chr8	1.43E+08	143279020	+	2.407E-14	3.61797E-13	0.200722	hyper	sig	chr8_143279020
chr4	7185601	7185601	+	2.407E-14	3.61817E-13	-0.20017	hypo	sig	chr4_7185601
chr6	30986870	30986870	+	2.409E-14	3.62064E-13	-0.21084	hypo	sig	chr6_30986870
chr2	50347675	50347675	+	2.409E-14	3.62083E-13	0.234954	hyper	sig	chr2_50347675
chr8	38974807	38974807	+	2.41E-14	3.62168E-13	0.20344	hyper	sig	chr8_38974807
chr22	39483974	39483974	+	2.411E-14	3.62363E-13	-0.22323	hypo	sig	chr22_39483974
chr6	1.52E+08	151807193	+	2.412E-14	3.62425E-13	0.281668	hyper	sig	chr6_151807193
chr13	1.1E+08	110443992	+	2.413E-14	3.62602E-13	-0.22054	hypo	sig	chr13_110443992
chr7	71132522	71132522	+	2.415E-14	3.62907E-13	0.247597	hyper	sig	chr7_71132522
chr11	66049017	66049017	+	2.417E-14	3.63246E-13	0.245824	hyper	sig	chr11_66049017
chr19	37691893	37691893	+	2.42E-14	3.63638E-13	0.318908	hyper	sig	chr19_37691893

chr5	1.38E+08	137889345	+	2.422E-14	3.63903E-13	0.255273	hyper	sig	chr5_137889345
chr11	65522491	65522491	+	2.427E-14	3.64598E-13	-0.28287	hypo	sig	chr11_65522491
chr3	1.2E+08	119810161	+	2.43E-14	3.65045E-13	0.241303	hyper	sig	chr3_119810161
chr7	12112034	12112034	+	2.43E-14	3.65136E-13	0.225393	hyper	sig	chr7_12112034
chr1	2.41E+08	240711593	+	2.435E-14	3.65749E-13	-0.22254	hypo	sig	chr1_240711593
chr18	32140112	32140112	+	2.436E-14	3.65932E-13	-0.28548	hypo	sig	chr18_32140112
chr1	57422357	57422357	+	2.438E-14	3.66278E-13	0.293248	hyper	sig	chr1_57422357
chr13	25171329	25171329	+	2.443E-14	3.66961E-13	0.320861	hyper	sig	chr13_25171329
chr13	83879782	83879782	+	2.443E-14	3.67012E-13	0.248595	hyper	sig	chr13_83879782
chr15	88258273	88258273	+	2.445E-14	3.67304E-13	0.228852	hyper	sig	chr15_88258273
chr8	25002048	25002048	+	2.446E-14	3.67326E-13	0.255235	hyper	sig	chr8_25002048
chr2	1.55E+08	154699821	+	2.45E-14	3.67991E-13	0.225034	hyper	sig	chr2_154699821
chr12	1.16E+08	115606230	+	2.452E-14	3.68252E-13	0.214911	hyper	sig	chr12_115606230
chr5	1.79E+08	178577162	+	2.453E-14	3.68441E-13	0.238417	hyper	sig	chr5_178577162
chr9	62799848	62799848	+	2.46E-14	3.69347E-13	0.210651	hyper	sig	chr9_62799848
chr6	10422123	10422123	+	2.463E-14	3.69788E-13	0.213971	hyper	sig	chr6_10422123
chr7	54542143	54542143	+	2.466E-14	3.70243E-13	0.222585	hyper	sig	chr7_54542143
chr17	7383890	7383890	+	2.466E-14	3.70311E-13	0.205979	hyper	sig	chr17_7383890
chr15	82681192	82681192	+	2.472E-14	3.71165E-13	0.285678	hyper	sig	chr15_82681192
chr19	50608105	50608105	+	2.475E-14	3.71482E-13	0.207806	hyper	sig	chr19_50608105
chr5	1.69E+08	168529943	+	2.476E-14	3.71741E-13	0.219277	hyper	sig	chr5_168529943
chr10	1.01E+08	100711890	+	2.478E-14	3.71965E-13	-0.25923	hypo	sig	chr10_100711890
chr6	1.7E+08	170058499	+	2.478E-14	3.71965E-13	-0.24256	hypo	sig	chr6_170058499
chr11	267603	267603	+	2.494E-14	3.74348E-13	-0.22391	hypo	sig	chr11_267603
chr1	1.19E+08	118983845	+	2.505E-14	3.75875E-13	0.217539	hyper	sig	chr1_118983845
chr3	1.43E+08	142964420	+	2.505E-14	3.75875E-13	0.232184	hyper	sig	chr3_142964420
chr17	8744857	8744857	+	2.506E-14	3.76032E-13	-0.23143	hypo	sig	chr17_8744857
chr3	96775881	96775881	+	2.509E-14	3.76443E-13	-0.25642	hypo	sig	chr3_96775881
chr6	1558573	1558573	+	2.51E-14	3.76661E-13	-0.27111	hypo	sig	chr6_1558573
chr1	1.19E+08	118983563	+	2.513E-14	3.77001E-13	0.212739	hyper	sig	chr1_118983563
chr3	32593020	32593020	+	2.52E-14	3.78072E-13	0.306484	hyper	sig	chr3_32593020
chr17	49497953	49497953	+	2.527E-14	3.79153E-13	0.255315	hyper	sig	chr17_49497953
chr7	1.3E+08	130491036	+	2.528E-14	3.79262E-13	0.245779	hyper	sig	chr7_130491036
chr8	1.43E+08	143417769	+	2.538E-14	3.80681E-13	-0.23302	hypo	sig	chr8_143417769
chr1	3285462	3285462	+	2.539E-14	3.80821E-13	-0.20414	hypo	sig	chr1_3285462
chr6	1E+08	100449521	+	2.542E-14	3.81321E-13	0.218998	hyper	sig	chr6_100449521
chr2	1.15E+08	115162964	+	2.55E-14	3.82364E-13	0.218041	hyper	sig	chr2_115162964
chr8	1.44E+08	144042837	+	2.551E-14	3.826E-13	-0.21483	hypo	sig	chr8_144042837
chr20	17225947	17225947	+	2.552E-14	3.82705E-13	0.247674	hyper	sig	chr20_17225947
chr22	37010965	37010965	+	2.558E-14	3.83547E-13	-0.2003	hypo	sig	chr22_37010965
chr2	94998468	94998468	+	2.558E-14	3.83553E-13	0.244033	hyper	sig	chr2_94998468
chr6	6002711	6002711	+	2.559E-14	3.83733E-13	0.232471	hyper	sig	chr6_6002711
chr1	1434568	1434568	+	2.56E-14	3.83773E-13	-0.26202	hypo	sig	chr1_1434568
chr6	71588777	71588777	+	2.563E-14	3.84275E-13	0.210163	hyper	sig	chr6_71588777
chr10	69232448	69232448	+	2.565E-14	3.84517E-13	-0.22077	hypo	sig	chr10_69232448
chr1	98044718	98044718	+	2.569E-14	3.85184E-13	0.217839	hyper	sig	chr1_98044718
chr6	16216872	16216872	+	2.576E-14	3.86139E-13	0.29118	hyper	sig	chr6_16216872
chr2	5690983	5690983	+	2.578E-14	3.8646E-13	0.248075	hyper	sig	chr2_5690983
chr19	22286501	22286501	+	2.579E-14	3.8664E-13	0.209301	hyper	sig	chr19_22286501
chr6	37649066	37649066	+	2.581E-14	3.86861E-13	0.261796	hyper	sig	chr6_37649066
chr16	3092282	3092282	+	2.582E-14	3.86956E-13	-0.2556	hypo	sig	chr16_3092282
chr8	64382062	64382062	+	2.583E-14	3.87161E-13	0.201931	hyper	sig	chr8_64382062
chr1	3244287	3244287	+	2.584E-14	3.87373E-13	-0.20128	hypo	sig	chr1_3244287
chr15	89221814	89221814	+	2.594E-14	3.88696E-13	-0.29524	hypo	sig	chr15_89221814
chr1	27011162	27011162	+	2.596E-14	3.89103E-13	-0.27199	hypo	sig	chr1_27011162
chr13	23392062	23392062	+	2.598E-14	3.89406E-13	-0.2755	hypo	sig	chr13_23392062

chr11	20163562	20163562	+	2.601E-14	3.89767E-13	0.239869	hyper	sig	chr11_20163562
chr22	43431894	43431894	+	2.604E-14	3.9022E-13	-0.23966	hypo	sig	chr22_43431894
chr20	3408943	3408943	+	2.608E-14	3.90787E-13	0.213099	hyper	sig	chr20_3408943
chr2	27260884	27260884	+	2.608E-14	3.90814E-13	-0.21546	hypo	sig	chr2_27260884
chr17	44268095	44268095	+	2.609E-14	3.90891E-13	-0.28256	hypo	sig	chr17_44268095
chr1	1.44E+08	143904673	+	2.611E-14	3.91134E-13	0.234948	hyper	sig	chr1_143904673
chr6	41560842	41560842	+	2.614E-14	3.91601E-13	0.205067	hyper	sig	chr6_41560842
chr8	56446425	56446425	+	2.614E-14	3.91649E-13	0.277664	hyper	sig	chr8_56446425
chr17	65537243	65537243	+	2.617E-14	3.92024E-13	-0.25262	hypo	sig	chr17_65537243
chr11	829102	829102	+	2.621E-14	3.92632E-13	-0.2098	hypo	sig	chr11_829102
chr11	1.16E+08	115959173	+	2.63E-14	3.93863E-13	-0.22968	hypo	sig	chr11_115959173
chr19	23071555	23071555	+	2.631E-14	3.94061E-13	0.230652	hyper	sig	chr19_23071555
chr1	1986531	1986531	+	2.634E-14	3.94555E-13	-0.22027	hypo	sig	chr1_1986531
chr2	1.78E+08	178479671	+	2.637E-14	3.95015E-13	-0.21689	hypo	sig	chr2_178479671
chr21	33026500	33026500	+	2.638E-14	3.9505E-13	0.229508	hyper	sig	chr21_33026500
chr13	35475607	35475607	+	2.64E-14	3.9542E-13	0.20097	hyper	sig	chr13_35475607
chr5	1506343	1506343	+	2.643E-14	3.95762E-13	-0.20084	hypo	sig	chr5_1506343
chr2	6918298	6918298	+	2.645E-14	3.96161E-13	0.216082	hyper	sig	chr2_6918298
chr10	732337	732337	+	2.648E-14	3.96571E-13	-0.24131	hypo	sig	chr10_732337
chr16	89818938	89818938	+	2.652E-14	3.97095E-13	-0.31652	hypo	sig	chr16_89818938
chr7	56290882	56290882	+	2.654E-14	3.97416E-13	-0.2132	hypo	sig	chr7_56290882
chr17	41635514	41635514	+	2.655E-14	3.97499E-13	-0.21053	hypo	sig	chr17_41635514
chr8	64376682	64376682	+	2.656E-14	3.97662E-13	0.213785	hyper	sig	chr8_64376682
chr20	25082224	25082224	+	2.661E-14	3.98356E-13	0.238602	hyper	sig	chr20_25082224
chr17	6655641	6655641	+	2.669E-14	3.99656E-13	0.206164	hyper	sig	chr17_6655641
chr4	1.83E+08	183036761	+	2.672E-14	4.00021E-13	-0.2782	hypo	sig	chr4_183036761
chr14	1.02E+08	101628262	+	2.677E-14	4.00741E-13	0.219581	hyper	sig	chr14_101628262
chr19	12940767	12940767	+	2.677E-14	4.00741E-13	-0.22325	hypo	sig	chr19_12940767
chr19	42096107	42096107	+	2.678E-14	4.00828E-13	0.200001	hyper	sig	chr19_42096107
chr15	69034690	69034690	+	2.679E-14	4.01034E-13	-0.2023	hypo	sig	chr15_69034690
chr2	1.05E+08	104868365	+	2.682E-14	4.01438E-13	0.205609	hyper	sig	chr2_104868365
chr12	49544251	49544251	+	2.683E-14	4.01516E-13	0.22147	hyper	sig	chr12_49544251
chr17	57606328	57606328	+	2.691E-14	4.0276E-13	-0.21786	hypo	sig	chr17_57606328
chr10	90857090	90857090	+	2.708E-14	4.05211E-13	0.247533	hyper	sig	chr10_90857090
chr16	31569611	31569611	+	2.709E-14	4.05325E-13	0.267095	hyper	sig	chr16_31569611
chr10	1.01E+08	100659454	+	2.728E-14	4.08115E-13	0.277301	hyper	sig	chr10_100659454
chr3	62377511	62377511	+	2.73E-14	4.08479E-13	0.24473	hyper	sig	chr3_62377511
chr19	56476974	56476974	+	2.735E-14	4.09121E-13	0.225256	hyper	sig	chr19_56476974
chr11	1.3E+08	130378375	+	2.743E-14	4.1037E-13	-0.23666	hypo	sig	chr11_130378375
chr1	9196954	9196954	+	2.746E-14	4.10802E-13	-0.20641	hypo	sig	chr1_9196954
chr3	1.26E+08	125698541	+	2.747E-14	4.1094E-13	-0.20949	hypo	sig	chr3_125698541
chr11	49208412	49208412	+	2.748E-14	4.10991E-13	0.312517	hyper	sig	chr11_49208412
chr13	1.12E+08	112252491	+	2.753E-14	4.118E-13	-0.21803	hypo	sig	chr13_112252491
chr16	85265001	85265001	+	2.755E-14	4.12088E-13	-0.22029	hypo	sig	chr16_85265001
chr7	1.5E+08	149883892	+	2.76E-14	4.127E-13	-0.20804	hypo	sig	chr7_149883892
chr10	1.23E+08	123150736	+	2.761E-14	4.12882E-13	0.205126	hyper	sig	chr10_123150736
chr19	48194426	48194426	+	2.765E-14	4.13471E-13	-0.22761	hypo	sig	chr19_48194426
chr5	493193	493193	+	2.765E-14	4.13472E-13	-0.20781	hypo	sig	chr5_493193
chr22	19892589	19892589	+	2.77E-14	4.14135E-13	-0.23751	hypo	sig	chr22_19892589
chr2	73203246	73203246	+	2.771E-14	4.14307E-13	0.30664	hyper	sig	chr2_73203246
chr3	10816018	10816018	+	2.777E-14	4.15227E-13	0.221591	hyper	sig	chr3_10816018
chr12	15221121	15221121	+	2.78E-14	4.15688E-13	0.247355	hyper	sig	chr12_15221121
chr6	10881804	10881804	+	2.782E-14	4.15962E-13	0.249438	hyper	sig	chr6_10881804
chr3	1.34E+08	133746148	+	2.783E-14	4.16042E-13	0.204997	hyper	sig	chr3_133746148
chr8	26041782	26041782	+	2.789E-14	4.16893E-13	0.222138	hyper	sig	chr8_26041782
chr3	1.18E+08	117997276	+	2.793E-14	4.17457E-13	0.264493	hyper	sig	chr3_117997276

chr4	4226438	4226438	+	2.809E-14	4.19711E-13	0.213898	hyper	sig	chr4_4226438
chr21	25639810	25639810	+	2.811E-14	4.19995E-13	0.214999	hyper	sig	chr21_25639810
chr1	3037829	3037829	+	2.811E-14	4.19999E-13	-0.24316	hypo	sig	chr1_3037829
chr5	1.39E+08	139378917	+	2.818E-14	4.21083E-13	-0.20975	hypo	sig	chr5_139378917
chr10	80264143	80264143	+	2.818E-14	4.21088E-13	-0.23951	hypo	sig	chr10_80264143
chr5	1.76E+08	175777140	+	2.823E-14	4.21751E-13	-0.20414	hypo	sig	chr5_175777140
chr3	1.72E+08	172447781	+	2.826E-14	4.22145E-13	0.261041	hyper	sig	chr3_172447781
chr22	20438270	20438270	+	2.828E-14	4.22508E-13	0.221861	hyper	sig	chr22_20438270
chr1	1.44E+08	143654956	+	2.829E-14	4.22548E-13	0.206328	hyper	sig	chr1_143654956
chr17	8057164	8057164	+	2.833E-14	4.2311E-13	-0.23818	hypo	sig	chr17_8057164
chr17	5771253	5771253	+	2.833E-14	4.23194E-13	0.258683	hyper	sig	chr17_5771253
chr3	42023458	42023458	+	2.835E-14	4.23402E-13	-0.22755	hypo	sig	chr3_42023458
chr8	70071584	70071584	+	2.837E-14	4.23681E-13	0.232236	hyper	sig	chr8_70071584
chr2	1.21E+08	120696202	+	2.842E-14	4.24372E-13	0.244961	hyper	sig	chr2_120696202
chr7	42238490	42238490	+	2.849E-14	4.2553E-13	0.203458	hyper	sig	chr7_42238490
chr2	1.27E+08	126656787	+	2.854E-14	4.26132E-13	0.221501	hyper	sig	chr2_126656787
chr3	1.41E+08	141052408	+	2.855E-14	4.2638E-13	0.22862	hyper	sig	chr3_141052408
chr6	1.37E+08	137489937	+	2.856E-14	4.2641E-13	0.257163	hyper	sig	chr6_137489937
chr17	73293243	73293243	+	2.86E-14	4.26962E-13	-0.24076	hypo	sig	chr17_73293243
chr17	65536508	65536508	+	2.87E-14	4.28553E-13	-0.27405	hypo	sig	chr17_65536508
chr1	16520878	16520878	+	2.871E-14	4.28683E-13	0.209945	hyper	sig	chr1_16520878
chr12	2793471	2793471	+	2.879E-14	4.29719E-13	-0.2028	hypo	sig	chr12_2793471
chr17	52160513	52160513	+	2.88E-14	4.29892E-13	0.250744	hyper	sig	chr17_52160513
chr10	26215363	26215363	+	2.881E-14	4.30131E-13	0.202881	hyper	sig	chr10_26215363
chr20	46246792	46246792	+	2.885E-14	4.30591E-13	0.204823	hyper	sig	chr20_46246792
chr20	56004816	56004816	+	2.886E-14	4.30755E-13	0.263236	hyper	sig	chr20_56004816
chr14	97025821	97025821	+	2.888E-14	4.31054E-13	0.200273	hyper	sig	chr14_97025821
chr10	98464402	98464402	+	2.892E-14	4.3158E-13	-0.24446	hypo	sig	chr10_98464402
chr4	1.4E+08	140286698	+	2.897E-14	4.32305E-13	-0.20821	hypo	sig	chr4_140286698
chr7	4822698	4822698	+	2.903E-14	4.33181E-13	-0.23543	hypo	sig	chr7_4822698
chr1	1.45E+08	144551868	+	2.909E-14	4.34055E-13	0.250933	hyper	sig	chr1_144551868
chr5	1.69E+08	169301228	+	2.909E-14	4.34076E-13	0.289301	hyper	sig	chr5_169301228
chr7	1348994	1348994	+	2.909E-14	4.34115E-13	-0.20867	hypo	sig	chr7_1348994
chr2	55923924	55923924	+	2.915E-14	4.34897E-13	0.262019	hyper	sig	chr2_55923924
chr4	41359780	41359780	+	2.917E-14	4.3523E-13	-0.28773	hypo	sig	chr4_41359780
chr2	1.06E+08	106342963	+	2.923E-14	4.36023E-13	-0.2064	hypo	sig	chr2_106342963
chr12	84155362	84155362	+	2.924E-14	4.36125E-13	-0.26296	hypo	sig	chr12_84155362
chr18	59220430	59220430	+	2.924E-14	4.36152E-13	0.218684	hyper	sig	chr18_59220430
chr10	23174092	23174092	+	2.926E-14	4.36543E-13	0.204141	hyper	sig	chr10_23174092
chr6	1.06E+08	105981607	+	2.927E-14	4.36543E-13	0.210351	hyper	sig	chr6_105981607
chr5	1.46E+08	146334272	+	2.927E-14	4.36594E-13	0.233709	hyper	sig	chr5_146334272
chr5	33892558	33892558	+	2.927E-14	4.36644E-13	0.204888	hyper	sig	chr5_33892558
chr10	13892299	13892299	+	2.929E-14	4.36887E-13	0.221904	hyper	sig	chr10_13892299
chr19	55452647	55452647	+	2.937E-14	4.38007E-13	0.318927	hyper	sig	chr19_55452647
chr7	12112038	12112038	+	2.938E-14	4.38192E-13	0.234711	hyper	sig	chr7_12112038
chr6	1.28E+08	127518680	+	2.958E-14	4.41098E-13	0.222061	hyper	sig	chr6_127518680
chr2	73291713	73291713	+	2.961E-14	4.41553E-13	0.219651	hyper	sig	chr2_73291713
chr2	2.17E+08	216583517	+	2.967E-14	4.42293E-13	-0.28254	hypo	sig	chr2_216583517
chr19	10604936	10604936	+	2.97E-14	4.42737E-13	-0.22796	hypo	sig	chr19_10604936
chr13	1.09E+08	109125496	+	2.973E-14	4.43293E-13	-0.2353	hypo	sig	chr13_109125496
chr8	25001997	25001997	+	2.985E-14	4.45032E-13	0.282469	hyper	sig	chr8_25001997
chr17	5771257	5771257	+	2.989E-14	4.45518E-13	0.254055	hyper	sig	chr17_5771257
chr19	3282254	3282254	+	2.994E-14	4.46218E-13	-0.29545	hypo	sig	chr19_3282254
chr2	499710	499710	+	2.998E-14	4.46802E-13	-0.22219	hypo	sig	chr2_499710
chr19	807132	807132	+	3.003E-14	4.47559E-13	-0.20804	hypo	sig	chr19_807132
chr2	2.36E+08	236159691	+	3.005E-14	4.47804E-13	0.211146	hyper	sig	chr2_236159691

chr7	1.37E+08	136869941	+	3.011E-14	4.48619E-13	0.262912	hyper	sig	chr7_136869941
chr7	1.01E+08	101094703	+	3.015E-14	4.49206E-13	-0.26885	hypo	sig	chr7_101094703
chr2	2.36E+08	235508628	+	3.024E-14	4.50563E-13	-0.2234	hypo	sig	chr2_235508628
chr4	1.47E+08	146633058	+	3.024E-14	4.50602E-13	0.272138	hyper	sig	chr4_146633058
chr11	1.19E+08	119423977	+	3.028E-14	4.51062E-13	-0.22635	hypo	sig	chr11_119423977
chr7	1.58E+08	158016252	+	3.029E-14	4.51308E-13	-0.22149	hypo	sig	chr7_158016252
chr22	16602845	16602845	+	3.038E-14	4.52596E-13	0.314426	hyper	sig	chr22_16602845
chr9	1.25E+08	124814216	+	3.045E-14	4.53643E-13	-0.20972	hypo	sig	chr9_124814216
chr12	1.32E+08	132250119	+	3.046E-14	4.53782E-13	-0.23402	hypo	sig	chr12_132250119
chr1	1.48E+08	148354544	+	3.047E-14	4.53887E-13	0.223555	hyper	sig	chr1_148354544
chr6	1E+08	100449546	+	3.053E-14	4.54703E-13	0.2233	hyper	sig	chr6_100449546
chr3	78112988	78112988	+	3.057E-14	4.55296E-13	-0.28795	hypo	sig	chr3_78112988
chr10	1.2E+08	120012673	+	3.067E-14	4.56668E-13	-0.21152	hypo	sig	chr10_120012673
chr15	60003090	60003090	+	3.069E-14	4.57068E-13	0.213975	hyper	sig	chr15_60003090
chr12	1.19E+08	118981318	+	3.073E-14	4.57604E-13	0.226366	hyper	sig	chr12_118981318
chr17	969538	969538	+	3.079E-14	4.58439E-13	-0.22996	hypo	sig	chr17_969538
chr1	28148028	28148028	+	3.08E-14	4.58548E-13	-0.2442	hypo	sig	chr1_28148028
chr17	74671069	74671069	+	3.081E-14	4.58687E-13	0.204725	hyper	sig	chr17_74671069
chr17	81003858	81003858	+	3.083E-14	4.58979E-13	-0.20954	hypo	sig	chr17_81003858
chr1	2.25E+08	224618147	+	3.093E-14	4.60477E-13	0.230407	hyper	sig	chr1_224618147
chr12	27971213	27971213	+	3.093E-14	4.60486E-13	0.203427	hyper	sig	chr12_27971213
chr8	38974913	38974913	+	3.097E-14	4.60946E-13	0.313572	hyper	sig	chr8_38974913
chr4	84495966	84495966	+	3.106E-14	4.62354E-13	0.245416	hyper	sig	chr4_84495966
chr9	1.36E+08	136251743	+	3.109E-14	4.62663E-13	-0.20413	hypo	sig	chr9_136251743
chr7	1.28E+08	128207550	+	3.122E-14	4.64556E-13	-0.27267	hypo	sig	chr7_128207550
chr7	22727952	22727952	+	3.133E-14	4.66134E-13	-0.28298	hypo	sig	chr7_22727952
chr5	1.73E+08	173244742	+	3.137E-14	4.66773E-13	0.242403	hyper	sig	chr5_173244742
chr16	51153477	51153477	+	3.144E-14	4.67758E-13	0.330137	hyper	sig	chr16_51153477
chr7	2665544	2665544	+	3.147E-14	4.68129E-13	-0.21389	hypo	sig	chr7_2665544
chr12	1.19E+08	118981301	+	3.147E-14	4.68215E-13	0.221585	hyper	sig	chr12_118981301
chr12	24902685	24902685	+	3.157E-14	4.69549E-13	0.298077	hyper	sig	chr12_24902685
chr2	17877672	17877672	+	3.161E-14	4.70121E-13	0.204469	hyper	sig	chr2_17877672
chr11	64223069	64223069	+	3.18E-14	4.72977E-13	-0.20191	hypo	sig	chr11_64223069
chr16	57884766	57884766	+	3.181E-14	4.731E-13	-0.20932	hypo	sig	chr16_57884766
chr4	44446476	44446476	+	3.182E-14	4.73183E-13	0.271364	hyper	sig	chr4_44446476
chr14	28777942	28777942	+	3.185E-14	4.73551E-13	0.229088	hyper	sig	chr14_28777942
chr17	46814884	46814884	+	3.186E-14	4.73769E-13	-0.20702	hypo	sig	chr17_46814884
chr19	28794093	28794093	+	3.186E-14	4.73769E-13	0.2433	hyper	sig	chr19_28794093
chr10	26212129	26212129	+	3.19E-14	4.74264E-13	0.250842	hyper	sig	chr10_26212129
chr9	1.36E+08	135788178	+	3.192E-14	4.74565E-13	-0.20438	hypo	sig	chr9_135788178
chr17	82302386	82302386	+	3.194E-14	4.74771E-13	-0.24629	hypo	sig	chr17_82302386
chr19	46211577	46211577	+	3.198E-14	4.75405E-13	-0.21725	hypo	sig	chr19_46211577
chr3	47009998	47009998	+	3.2E-14	4.7562E-13	0.266831	hyper	sig	chr3_47009998
chr4	1.22E+08	121764370	+	3.2E-14	4.75718E-13	0.25334	hyper	sig	chr4_121764370
chr19	49433068	49433068	+	3.206E-14	4.76551E-13	0.204676	hyper	sig	chr19_49433068
chr20	56006208	56006208	+	3.215E-14	4.778E-13	0.237494	hyper	sig	chr20_56006208
chr7	76285619	76285619	+	3.219E-14	4.78429E-13	-0.23039	hypo	sig	chr7_76285619
chr20	1807677	1807677	+	3.233E-14	4.80512E-13	-0.26069	hypo	sig	chr20_1807677
chr8	74984944	74984944	+	3.238E-14	4.81218E-13	0.205468	hyper	sig	chr8_74984944
chr2	2.08E+08	208407383	+	3.245E-14	4.82255E-13	0.200551	hyper	sig	chr2_208407383
chr3	1.84E+08	184492309	+	3.251E-14	4.83125E-13	0.241	hyper	sig	chr3_184492309
chr4	1.21E+08	121381110	+	3.266E-14	4.85181E-13	0.220509	hyper	sig	chr4_121381110
chr10	1.28E+08	127736959	+	3.271E-14	4.85917E-13	0.32294	hyper	sig	chr10_127736959
chr2	6918294	6918294	+	3.279E-14	4.87035E-13	0.220735	hyper	sig	chr2_6918294
chr11	65047768	65047768	+	3.283E-14	4.87692E-13	0.228847	hyper	sig	chr11_65047768
chr7	1224454	1224454	+	3.286E-14	4.88181E-13	0.238629	hyper	sig	chr7_1224454

chr19	50548664	50548664	+	3.294E-14	4.89251E-13	-0.22539	hypo	sig	chr19_50548664
chr19	53942197	53942197	+	3.296E-14	4.89624E-13	0.22873	hyper	sig	chr19_53942197
chr11	67044734	67044734	+	3.298E-14	4.89814E-13	-0.20776	hypo	sig	chr11_67044734
chr1	1.15E+08	115338249	+	3.3E-14	4.90078E-13	0.249784	hyper	sig	chr1_115338249
chr19	6433814	6433814	+	3.3E-14	4.90105E-13	-0.22226	hypo	sig	chr19_6433814
chr3	75641273	75641273	+	3.307E-14	4.91147E-13	0.21399	hyper	sig	chr3_75641273
chr21	45130687	45130687	+	3.313E-14	4.91974E-13	-0.20481	hypo	sig	chr21_45130687
chr18	904825	904825	+	3.332E-14	4.94627E-13	0.318259	hyper	sig	chr18_904825
chr1	913143	913143	+	3.333E-14	4.94702E-13	-0.24437	hypo	sig	chr1_913143
chr19	53884219	53884219	+	3.334E-14	4.94896E-13	0.276297	hyper	sig	chr19_53884219
chr11	1085319	1085319	+	3.336E-14	4.95202E-13	-0.20029	hypo	sig	chr11_1085319
chr6	10410323	10410323	+	3.34E-14	4.95743E-13	0.206635	hyper	sig	chr6_10410323
chr3	62371099	62371099	+	3.342E-14	4.96021E-13	0.268182	hyper	sig	chr3_62371099
chr16	31569239	31569239	+	3.342E-14	4.96099E-13	0.295675	hyper	sig	chr16_31569239
chr9	87773301	87773301	+	3.353E-14	4.9765E-13	-0.25529	hypo	sig	chr9_87773301
chr10	697982	697982	+	3.356E-14	4.98047E-13	-0.20091	hypo	sig	chr10_697982
chr19	46468094	46468094	+	3.356E-14	4.98115E-13	-0.2656	hypo	sig	chr19_46468094
chr16	86510912	86510912	+	3.357E-14	4.98131E-13	0.208663	hyper	sig	chr16_86510912
chr3	13932946	13932946	+	3.358E-14	4.98284E-13	0.244808	hyper	sig	chr3_13932946
chr2	8025226	8025226	+	3.358E-14	4.98374E-13	-0.20119	hypo	sig	chr2_8025226
chr5	1.73E+08	173236705	+	3.359E-14	4.98427E-13	0.202001	hyper	sig	chr5_173236705
chr11	63489931	63489931	+	3.366E-14	4.99522E-13	-0.21125	hypo	sig	chr11_63489931
chr3	1.14E+08	114103678	+	3.367E-14	4.99545E-13	-0.24157	hypo	sig	chr3_114103678
chr11	69568112	69568112	+	3.368E-14	4.99678E-13	-0.26089	hypo	sig	chr11_69568112
chr5	1.41E+08	141400133	+	3.368E-14	4.99688E-13	0.212686	hyper	sig	chr5_141400133
chr5	1.41E+08	141236020	+	3.376E-14	5.00841E-13	0.231337	hyper	sig	chr5_141236020
chr1	29478792	29478792	+	3.376E-14	5.00871E-13	0.232889	hyper	sig	chr1_29478792
chr19	13506212	13506212	+	3.379E-14	5.01217E-13	0.243438	hyper	sig	chr19_13506212
chr19	2465650	2465650	+	3.382E-14	5.01691E-13	-0.25053	hypo	sig	chr19_2465650
chr13	35478468	35478468	+	3.388E-14	5.02523E-13	0.243949	hyper	sig	chr13_35478468
chr2	1.05E+08	105241498	+	3.394E-14	5.03443E-13	-0.20462	hypo	sig	chr2_105241498
chr19	3879860	3879860	+	3.395E-14	5.0349E-13	-0.21745	hypo	sig	chr19_3879860
chr4	41359726	41359726	+	3.398E-14	5.03968E-13	-0.24507	hypo	sig	chr4_41359726
chr6	3247456	3247456	+	3.399E-14	5.04073E-13	-0.2824	hypo	sig	chr6_3247456
chr2	63053485	63053485	+	3.405E-14	5.04962E-13	0.216258	hyper	sig	chr2_63053485
chr10	45600825	45600825	+	3.411E-14	5.05804E-13	0.215972	hyper	sig	chr10_45600825
chr16	86520766	86520766	+	3.416E-14	5.06561E-13	-0.21392	hypo	sig	chr16_86520766
chr18	51112097	51112097	+	3.418E-14	5.06866E-13	-0.20906	hypo	sig	chr18_51112097
chr6	1.54E+08	154039781	+	3.427E-14	5.08016E-13	0.210255	hyper	sig	chr6_154039781
chr6	7468671	7468671	+	3.427E-14	5.08137E-13	-0.21833	hypo	sig	chr6_7468671
chr6	41503385	41503385	+	3.428E-14	5.08176E-13	-0.28343	hypo	sig	chr6_41503385
chr3	1.2E+08	119810137	+	3.434E-14	5.09083E-13	0.237105	hyper	sig	chr3_119810137
chr7	2644832	2644832	+	3.439E-14	5.09796E-13	-0.21355	hypo	sig	chr7_2644832
chr4	1.34E+08	134201354	+	3.443E-14	5.1042E-13	0.33351	hyper	sig	chr4_134201354
chr14	73234131	73234131	+	3.444E-14	5.10554E-13	-0.2503	hypo	sig	chr14_73234131
chr10	1.05E+08	104641509	+	3.456E-14	5.12272E-13	0.243263	hyper	sig	chr10_104641509
chr12	1.27E+08	127278141	+	3.458E-14	5.1247E-13	-0.25792	hypo	sig	chr12_127278141
chr6	1.7E+08	170267740	+	3.459E-14	5.12632E-13	-0.20617	hypo	sig	chr6_170267740
chr1	37317155	37317155	+	3.468E-14	5.13902E-13	-0.22817	hypo	sig	chr1_37317155
chr7	1.3E+08	130491056	+	3.469E-14	5.14088E-13	0.219568	hyper	sig	chr7_130491056
chr10	49679617	49679617	+	3.471E-14	5.14381E-13	0.20902	hyper	sig	chr10_49679617
chr5	88678365	88678365	+	3.473E-14	5.14684E-13	0.226139	hyper	sig	chr5_88678365
chr19	53255444	53255444	+	3.477E-14	5.15235E-13	0.253666	hyper	sig	chr19_53255444
chr1	69919417	69919417	+	3.483E-14	5.15996E-13	-0.22899	hypo	sig	chr1_69919417
chr7	71752780	71752780	+	3.489E-14	5.16881E-13	-0.24203	hypo	sig	chr7_71752780
chr15	83108114	83108114	+	3.491E-14	5.17147E-13	0.252685	hyper	sig	chr15_83108114

chr10	1.32E+08	132136532	+	3.494E-14	5.17655E-13	-0.2383	hypo	sig	chr10_132136532
chr1	2.21E+08	220877339	+	3.5E-14	5.18382E-13	0.25504	hyper	sig	chr1_220877339
chr17	32519234	32519234	+	3.503E-14	5.18873E-13	0.208107	hyper	sig	chr17_32519234
chr14	26598606	26598606	+	3.503E-14	5.18895E-13	0.206082	hyper	sig	chr14_26598606
chr16	88134674	88134674	+	3.504E-14	5.19052E-13	-0.20097	hypo	sig	chr16_88134674
chr10	90857171	90857171	+	3.512E-14	5.20108E-13	0.252749	hyper	sig	chr10_90857171
chr1	1430849	1430849	+	3.518E-14	5.2107E-13	-0.28727	hypo	sig	chr1_1430849
chr19	2727792	2727792	+	3.525E-14	5.22084E-13	-0.239	hypo	sig	chr19_2727792
chr7	55449193	55449193	+	3.543E-14	5.24642E-13	0.214469	hyper	sig	chr7_55449193
chr5	1.41E+08	141423495	+	3.544E-14	5.24728E-13	0.208043	hyper	sig	chr5_141423495
chr17	36933980	36933980	+	3.545E-14	5.24945E-13	0.204129	hyper	sig	chr17_36933980
chr11	1.23E+08	122981678	+	3.551E-14	5.25807E-13	0.20936	hyper	sig	chr11_122981678
chr7	1.49E+08	148636941	+	3.554E-14	5.26211E-13	-0.21106	hypo	sig	chr7_148636941
chr19	21569221	21569221	+	3.559E-14	5.26897E-13	0.210063	hyper	sig	chr19_21569221
chr12	63149986	63149986	+	3.56E-14	5.2696E-13	0.212494	hyper	sig	chr12_63149986
chr3	1.33E+08	133038408	+	3.561E-14	5.27099E-13	0.235413	hyper	sig	chr3_133038408
chr5	1.79E+08	178994283	+	3.565E-14	5.2767E-13	0.212721	hyper	sig	chr5_178994283
chr13	91399570	91399570	+	3.568E-14	5.28169E-13	0.216135	hyper	sig	chr13_91399570
chr12	5088907	5088907	+	3.569E-14	5.28262E-13	-0.24013	hypo	sig	chr12_5088907
chr4	1.11E+08	110628797	+	3.57E-14	5.28456E-13	0.220386	hyper	sig	chr4_110628797
chr8	2131414	2131414	+	3.583E-14	5.30241E-13	-0.21173	hypo	sig	chr8_2131414
chr7	1489564	1489564	+	3.584E-14	5.30505E-13	-0.21698	hypo	sig	chr7_1489564
chr4	1.74E+08	173538104	+	3.585E-14	5.30635E-13	0.244991	hyper	sig	chr4_173538104
chr2	8545491	8545491	+	3.587E-14	5.30916E-13	-0.2052	hypo	sig	chr2_8545491
chr19	33622468	33622468	+	3.589E-14	5.31136E-13	0.205985	hyper	sig	chr19_33622468
chr9	1.34E+08	133712648	+	3.589E-14	5.31136E-13	-0.2197	hypo	sig	chr9_133712648
chr13	1.12E+08	111905393	+	3.59E-14	5.31248E-13	-0.20946	hypo	sig	chr13_111905393
chr3	1.41E+08	141052479	+	3.59E-14	5.31282E-13	0.22945	hyper	sig	chr3_141052479
chr12	1.11E+08	110848015	+	3.596E-14	5.32035E-13	-0.2779	hypo	sig	chr12_110848015
chr4	28112965	28112965	+	3.598E-14	5.32356E-13	0.248265	hyper	sig	chr4_28112965
chr16	48231849	48231849	+	3.6E-14	5.32707E-13	-0.25296	hypo	sig	chr16_48231849
chr16	85179258	85179258	+	3.602E-14	5.32937E-13	-0.20787	hypo	sig	chr16_85179258
chr9	62799278	62799278	+	3.622E-14	5.35848E-13	0.24449	hyper	sig	chr9_62799278
chr2	26150089	26150089	+	3.633E-14	5.37356E-13	-0.23248	hypo	sig	chr2_26150089
chr4	588354	588354	+	3.637E-14	5.37931E-13	-0.22208	hypo	sig	chr4_588354
chr1	50048052	50048052	+	3.641E-14	5.38516E-13	0.245013	hyper	sig	chr1_50048052
chr6	10384877	10384877	+	3.656E-14	5.40712E-13	0.253965	hyper	sig	chr6_10384877
chr1	1.15E+08	115338297	+	3.659E-14	5.41029E-13	0.220294	hyper	sig	chr1_115338297
chr3	42023446	42023446	+	3.659E-14	5.41091E-13	-0.2136	hypo	sig	chr3_42023446
chr15	92819015	92819015	+	3.661E-14	5.41402E-13	-0.2463	hypo	sig	chr15_92819015
chr3	12987014	12987014	+	3.662E-14	5.41418E-13	-0.20903	hypo	sig	chr3_12987014
chr3	47010035	47010035	+	3.663E-14	5.41647E-13	0.243892	hyper	sig	chr3_47010035
chr4	11428001	11428001	+	3.674E-14	5.43219E-13	0.281181	hyper	sig	chr4_11428001
chr16	56194180	56194180	+	3.681E-14	5.44132E-13	0.263629	hyper	sig	chr16_56194180
chr2	2.01E+08	200586267	+	3.697E-14	5.46482E-13	0.241897	hyper	sig	chr2_200586267
chr11	66568851	66568851	+	3.704E-14	5.47512E-13	-0.2305	hypo	sig	chr11_66568851
chr14	26205212	26205212	+	3.719E-14	5.49605E-13	0.249992	hyper	sig	chr14_26205212
chr11	20162587	20162587	+	3.724E-14	5.50349E-13	0.249679	hyper	sig	chr11_20162587
chr4	2300940	2300940	+	3.724E-14	5.50372E-13	-0.22986	hypo	sig	chr4_2300940
chr2	1.35E+08	134717919	+	3.734E-14	5.51762E-13	0.285744	hyper	sig	chr2_134717919
chr16	85641480	85641480	+	3.736E-14	5.52031E-13	-0.24213	hypo	sig	chr16_85641480
chr20	6054504	6054504	+	3.739E-14	5.52351E-13	-0.25421	hypo	sig	chr20_6054504
chr11	42881617	42881617	+	3.741E-14	5.52714E-13	-0.2603	hypo	sig	chr11_42881617
chr7	1.07E+08	107041250	+	3.741E-14	5.52722E-13	-0.20891	hypo	sig	chr7_107041250
chr19	827492	827492	+	3.742E-14	5.52834E-13	-0.30201	hypo	sig	chr19_827492
chr2	2.02E+08	202035769	+	3.743E-14	5.52903E-13	0.202521	hyper	sig	chr2_202035769

chr2	1.35E+08	134717856	+	3.748E-14	5.53729E-13	0.23337	hyper	sig	chr2_134717856
chr3	10995212	10995212	+	3.749E-14	5.53847E-13	-0.23611	hypo	sig	chr3_10995212
chr10	1.01E+08	101065514	+	3.754E-14	5.54463E-13	-0.21937	hypo	sig	chr10_101065514
chr5	1.79E+08	179060873	+	3.754E-14	5.54507E-13	0.223525	hyper	sig	chr5_179060873
chr1	2.15E+08	215083549	+	3.764E-14	5.55961E-13	0.23351	hyper	sig	chr1_215083549
chr5	1.16E+08	115963362	+	3.766E-14	5.56188E-13	0.270725	hyper	sig	chr5_115963362
chr11	20162582	20162582	+	3.766E-14	5.56278E-13	0.225057	hyper	sig	chr11_20162582
chr20	21608428	21608428	+	3.768E-14	5.56532E-13	-0.26991	hypo	sig	chr20_21608428
chr6	30464389	30464389	+	3.776E-14	5.57609E-13	0.242497	hyper	sig	chr6_30464389
chr10	1.33E+08	133162537	+	3.789E-14	5.59464E-13	-0.21019	hypo	sig	chr10_133162537
chr11	92969341	92969341	+	3.792E-14	5.59894E-13	0.223704	hyper	sig	chr11_92969341
chr15	82676624	82676624	+	3.797E-14	5.6069E-13	-0.2668	hypo	sig	chr15_82676624
chr8	26641314	26641314	+	3.804E-14	5.61612E-13	-0.21863	hypo	sig	chr8_26641314
chr9	1.19E+08	119369312	+	3.81E-14	5.62479E-13	0.287084	hyper	sig	chr9_119369312
chr5	3197198	3197198	+	3.813E-14	5.62951E-13	0.208065	hyper	sig	chr5_3197198
chr16	14635576	14635576	+	3.817E-14	5.6353E-13	-0.26183	hypo	sig	chr16_14635576
chr7	6545427	6545427	+	3.829E-14	5.65107E-13	-0.26812	hypo	sig	chr7_6545427
chr19	48297207	48297207	+	3.84E-14	5.66753E-13	-0.2028	hypo	sig	chr19_48297207
chr15	89221768	89221768	+	3.84E-14	5.66757E-13	-0.31202	hypo	sig	chr15_89221768
chr17	19978319	19978319	+	3.848E-14	5.6785E-13	0.22866	hyper	sig	chr17_19978319
chr3	69541861	69541861	+	3.851E-14	5.68279E-13	0.226177	hyper	sig	chr3_69541861
chr5	1.69E+08	168529947	+	3.858E-14	5.69275E-13	0.206286	hyper	sig	chr5_168529947
chr8	1.43E+08	142798675	+	3.865E-14	5.70245E-13	-0.2128	hypo	sig	chr8_142798675
chr13	50127402	50127402	+	3.89E-14	5.73813E-13	0.225064	hyper	sig	chr13_50127402
chr15	78871730	78871730	+	3.906E-14	5.76121E-13	-0.24052	hypo	sig	chr15_78871730
chr2	2.22E+08	222289421	+	3.907E-14	5.7624E-13	0.204188	hyper	sig	chr2_222289421
chr2	2.28E+08	228181836	+	3.92E-14	5.78114E-13	0.239961	hyper	sig	chr2_228181836
chr19	614537	614537	+	3.92E-14	5.78185E-13	-0.25916	hypo	sig	chr19_614537
chr6	1.66E+08	165819267	+	3.93E-14	5.79519E-13	0.215123	hyper	sig	chr6_165819267
chr7	1574185	1574185	+	3.94E-14	5.8103E-13	-0.20416	hypo	sig	chr7_1574185
chr19	51458683	51458683	+	3.941E-14	5.81175E-13	-0.24333	hypo	sig	chr19_51458683
chr10	1.01E+08	101135376	+	3.945E-14	5.81642E-13	0.246338	hyper	sig	chr10_101135376
chr16	879711	879711	+	3.945E-14	5.8166E-13	0.232846	hyper	sig	chr16_879711
chr5	1834552	1834552	+	3.951E-14	5.82475E-13	-0.20964	hypo	sig	chr5_1834552
chr7	1.22E+08	122300577	+	3.957E-14	5.83365E-13	0.210496	hyper	sig	chr7_122300577
chr5	1.29E+08	128965797	+	3.961E-14	5.83878E-13	0.210448	hyper	sig	chr5_128965797
chr1	1242484	1242484	+	3.971E-14	5.85306E-13	-0.24096	hypo	sig	chr1_1242484
chr7	2569575	2569575	+	3.982E-14	5.86809E-13	-0.20274	hypo	sig	chr7_2569575
chr19	50728600	50728600	+	3.987E-14	5.87607E-13	0.298793	hyper	sig	chr19_50728600
chr19	13014187	13014187	+	3.992E-14	5.88281E-13	0.257438	hyper	sig	chr19_13014187
chr20	46030307	46030307	+	3.994E-14	5.88489E-13	0.260561	hyper	sig	chr20_46030307
chr4	74364756	74364756	+	3.999E-14	5.89219E-13	0.253652	hyper	sig	chr4_74364756
chr17	5500006	5500006	+	3.999E-14	5.89261E-13	0.239233	hyper	sig	chr17_5500006
chr7	1224407	1224407	+	4.002E-14	5.89712E-13	0.234054	hyper	sig	chr7_1224407
chr3	1.28E+08	128486300	+	4.007E-14	5.90429E-13	0.221017	hyper	sig	chr3_128486300
chr5	77958029	77958029	+	4.008E-14	5.90497E-13	0.316605	hyper	sig	chr5_77958029
chr15	74132753	74132753	+	4.018E-14	5.91929E-13	0.230956	hyper	sig	chr15_74132753
chr4	55793756	55793756	+	4.02E-14	5.92158E-13	0.242109	hyper	sig	chr4_55793756
chr17	3128324	3128324	+	4.022E-14	5.92379E-13	-0.24714	hypo	sig	chr17_3128324
chr5	1.79E+08	178941619	+	4.029E-14	5.93417E-13	0.222634	hyper	sig	chr5_178941619
chr13	20301844	20301844	+	4.034E-14	5.94075E-13	0.27826	hyper	sig	chr13_20301844
chr10	86359211	86359211	+	4.036E-14	5.94411E-13	-0.26261	hypo	sig	chr10_86359211
chr1	32465613	32465613	+	4.038E-14	5.94672E-13	0.211512	hyper	sig	chr1_32465613
chr5	83471894	83471894	+	4.041E-14	5.95026E-13	0.236391	hyper	sig	chr5_83471894
chr16	87642867	87642867	+	4.048E-14	5.9616E-13	-0.22685	hypo	sig	chr16_87642867
chr8	1.41E+08	140626279	+	4.051E-14	5.96515E-13	-0.2014	hypo	sig	chr8_140626279

chr5	1.78E+08	177604345	+	4.059E-14	5.97678E-13	-0.24817	hypo	sig	chr5_177604345
chr9	1.33E+08	132849394	+	4.067E-14	5.98779E-13	-0.24839	hypo	sig	chr9_132849394
chr1	1.48E+08	148310181	+	4.071E-14	5.99413E-13	0.217989	hyper	sig	chr1_148310181
chr10	1.11E+08	110528011	+	4.076E-14	6.00174E-13	-0.23983	hypo	sig	chr10_110528011
chr15	52795222	52795222	+	4.085E-14	6.01349E-13	0.242811	hyper	sig	chr15_52795222
chr8	1.3E+08	129826186	+	4.094E-14	6.02698E-13	-0.20397	hypo	sig	chr8_129826186
chr3	1.38E+08	137760816	+	4.098E-14	6.03174E-13	0.214326	hyper	sig	chr3_137760816
chr15	99019801	99019801	+	4.102E-14	6.03737E-13	-0.27707	hypo	sig	chr15_99019801
chr17	80541582	80541582	+	4.103E-14	6.03978E-13	-0.21209	hypo	sig	chr17_80541582
chr16	89972134	89972134	+	4.107E-14	6.04528E-13	0.218824	hyper	sig	chr16_89972134
chr1	6103998	6103998	+	4.108E-14	6.04563E-13	-0.26079	hypo	sig	chr1_6103998
chr13	26012257	26012257	+	4.108E-14	6.04616E-13	0.231834	hyper	sig	chr13_26012257
chr2	20106981	20106981	+	4.108E-14	6.04638E-13	0.262737	hyper	sig	chr2_20106981
chr16	86497197	86497197	+	4.109E-14	6.04687E-13	0.220127	hyper	sig	chr16_86497197
chr20	21104317	21104317	+	4.113E-14	6.053E-13	0.208427	hyper	sig	chr20_21104317
chr10	1.03E+08	102657276	+	4.115E-14	6.05626E-13	-0.28118	hypo	sig	chr10_102657276
chr5	50369538	50369538	+	4.127E-14	6.07267E-13	-0.28891	hypo	sig	chr5_50369538
chr14	51752516	51752516	+	4.131E-14	6.0787E-13	-0.21352	hypo	sig	chr14_51752516
chr1	1.54E+08	153568288	+	4.133E-14	6.08165E-13	-0.25639	hypo	sig	chr1_153568288
chr4	80185455	80185455	+	4.139E-14	6.08968E-13	0.229577	hyper	sig	chr4_80185455
chr3	1.7E+08	170423167	+	4.146E-14	6.09957E-13	-0.24912	hypo	sig	chr3_170423167
chr14	56795520	56795520	+	4.15E-14	6.10533E-13	0.250606	hyper	sig	chr14_56795520
chr10	1.34E+08	133528041	+	4.162E-14	6.1223E-13	0.217719	hyper	sig	chr10_133528041
chr6	39322935	39322935	+	4.165E-14	6.12656E-13	-0.20152	hypo	sig	chr6_39322935
chr10	1.33E+08	133310298	+	4.17E-14	6.13436E-13	-0.229	hypo	sig	chr10_133310298
chr11	73958263	73958263	+	4.185E-14	6.15437E-13	-0.22679	hypo	sig	chr11_73958263
chr8	60876502	60876502	+	4.185E-14	6.15508E-13	-0.20479	hypo	sig	chr8_60876502
chr9	1.37E+08	136986056	+	4.185E-14	6.15508E-13	0.226601	hyper	sig	chr9_136986056
chr15	29104226	29104226	+	4.194E-14	6.168E-13	-0.22872	hypo	sig	chr15_29104226
chr10	99232497	99232497	+	4.204E-14	6.18231E-13	0.205837	hyper	sig	chr10_99232497
chr15	83108314	83108314	+	4.207E-14	6.18657E-13	0.231013	hyper	sig	chr15_83108314
chr7	33921750	33921750	+	4.215E-14	6.19763E-13	-0.20723	hypo	sig	chr7_33921750
chr22	37377966	37377966	+	4.216E-14	6.1991E-13	-0.22309	hypo	sig	chr22_37377966
chr2	1.61E+08	161281183	+	4.218E-14	6.20234E-13	-0.34388	hypo	sig	chr2_161281183
chr3	1.7E+08	169666254	+	4.222E-14	6.2077E-13	0.291913	hyper	sig	chr3_169666254
chr7	1.28E+08	128241291	+	4.233E-14	6.2225E-13	0.22114	hyper	sig	chr7_128241291
chr1	90730135	90730135	+	4.236E-14	6.22667E-13	0.22899	hyper	sig	chr1_90730135
chr10	55631260	55631260	+	4.236E-14	6.22771E-13	0.257632	hyper	sig	chr10_55631260
chr7	3979551	3979551	+	4.253E-14	6.25131E-13	-0.25133	hypo	sig	chr7_3979551
chr2	1.2E+08	120340888	+	4.254E-14	6.25228E-13	-0.21417	hypo	sig	chr2_120340888
chr4	1615483	1615483	+	4.265E-14	6.26806E-13	-0.24292	hypo	sig	chr4_1615483
chr2	1.32E+08	131646998	+	4.268E-14	6.27189E-13	0.21316	hyper	sig	chr2_131646998
chr6	27541775	27541775	+	4.272E-14	6.27845E-13	0.206442	hyper	sig	chr6_27541775
chr22	31140439	31140439	+	4.274E-14	6.28036E-13	-0.20743	hypo	sig	chr22_31140439
chr15	23686590	23686590	+	4.288E-14	6.29957E-13	0.219601	hyper	sig	chr15_23686590
chr16	88414376	88414376	+	4.288E-14	6.2998E-13	-0.23688	hypo	sig	chr16_88414376
chr4	1.9E+08	190017906	+	4.288E-14	6.30019E-13	0.208519	hyper	sig	chr4_190017906
chr16	4537836	4537836	+	4.292E-14	6.30548E-13	0.284094	hyper	sig	chr16_4537836
chr1	2456242	2456242	+	4.298E-14	6.31358E-13	-0.22946	hypo	sig	chr1_2456242
chr4	10458428	10458428	+	4.312E-14	6.33437E-13	-0.22517	hypo	sig	chr4_10458428
chr19	3879863	3879863	+	4.33E-14	6.36027E-13	-0.21929	hypo	sig	chr19_3879863
chr19	50601143	50601143	+	4.331E-14	6.36065E-13	-0.25741	hypo	sig	chr19_50601143
chr6	1.23E+08	122997854	+	4.331E-14	6.36137E-13	-0.22595	hypo	sig	chr6_122997854
chr10	13891597	13891597	+	4.343E-14	6.37893E-13	0.211003	hyper	sig	chr10_13891597
chr10	1.17E+08	117197499	+	4.347E-14	6.3836E-13	-0.20943	hypo	sig	chr10_117197499
chr16	1475659	1475659	+	4.353E-14	6.39187E-13	-0.21014	hypo	sig	chr16_1475659

chr13	1.13E+08	113405782	+	4.355E-14	6.39524E-13	-0.25526	hypo	sig	chr13_113405782
chr7	98869409	98869409	+	4.363E-14	6.40612E-13	0.297248	hyper	sig	chr7_98869409
chr19	34905288	34905288	+	4.365E-14	6.40975E-13	0.27419	hyper	sig	chr19_34905288
chr19	22623417	22623417	+	4.376E-14	6.42449E-13	0.248512	hyper	sig	chr19_22623417
chr4	6323286	6323286	+	4.38E-14	6.4309E-13	-0.20979	hypo	sig	chr4_6323286
chr4	3744414	3744414	+	4.388E-14	6.44222E-13	0.219813	hyper	sig	chr4_3744414
chr10	93075783	93075783	+	4.397E-14	6.45386E-13	0.237099	hyper	sig	chr10_93075783
chr7	12404260	12404260	+	4.405E-14	6.46467E-13	0.210499	hyper	sig	chr7_12404260
chr7	1.36E+08	135727519	+	4.406E-14	6.46594E-13	-0.20106	hypo	sig	chr7_135727519
chr19	57709098	57709098	+	4.406E-14	6.46615E-13	0.205527	hyper	sig	chr19_57709098
chr2	1.91E+08	190761242	+	4.407E-14	6.46758E-13	0.237414	hyper	sig	chr2_190761242
chr19	12195748	12195748	+	4.41E-14	6.47196E-13	0.322786	hyper	sig	chr19_12195748
chr13	1.02E+08	101919967	+	4.412E-14	6.47435E-13	0.229215	hyper	sig	chr13_101919967
chr11	1.17E+08	116511957	+	4.414E-14	6.47743E-13	-0.21139	hypo	sig	chr11_116511957
chr20	38724379	38724379	+	4.421E-14	6.48749E-13	0.279975	hyper	sig	chr20_38724379
chr13	1.14E+08	114198220	+	4.425E-14	6.49226E-13	-0.27627	hypo	sig	chr13_114198220
chr9	94724836	94724836	+	4.436E-14	6.50877E-13	-0.2174	hypo	sig	chr9_94724836
chr7	64183224	64183224	+	4.441E-14	6.51634E-13	0.219482	hyper	sig	chr7_64183224
chr8	1.45E+08	144714026	+	4.442E-14	6.5173E-13	0.281466	hyper	sig	chr8_144714026
chr17	79711945	79711945	+	4.442E-14	6.51739E-13	-0.23168	hypo	sig	chr17_79711945
chr16	876743	876743	+	4.456E-14	6.53669E-13	-0.20217	hypo	sig	chr16_876743
chr3	1.84E+08	184492287	+	4.463E-14	6.54668E-13	0.214152	hyper	sig	chr3_184492287
chr8	733183	733183	+	4.464E-14	6.54791E-13	-0.25599	hypo	sig	chr8_733183
chr10	13891483	13891483	+	4.466E-14	6.55171E-13	0.233415	hyper	sig	chr10_13891483
chr19	50608131	50608131	+	4.469E-14	6.55482E-13	0.206447	hyper	sig	chr19_50608131
chr19	50521336	50521336	+	4.471E-14	6.55864E-13	-0.34994	hypo	sig	chr19_50521336
chr3	4470686	4470686	+	4.488E-14	6.58247E-13	-0.2975	hypo	sig	chr3_4470686
chr15	59994909	59994909	+	4.499E-14	6.59719E-13	0.201131	hyper	sig	chr15_59994909
chr10	99236588	99236588	+	4.5E-14	6.59842E-13	0.264772	hyper	sig	chr10_99236588
chr22	39100385	39100385	+	4.508E-14	6.61066E-13	-0.23427	hypo	sig	chr22_39100385
chr2	69387986	69387986	+	4.515E-14	6.61979E-13	-0.2479	hypo	sig	chr2_69387986
chr6	33793794	33793794	+	4.537E-14	6.65145E-13	-0.22714	hypo	sig	chr6_33793794
chr10	1.33E+08	133047552	+	4.562E-14	6.68787E-13	-0.20977	hypo	sig	chr10_133047552
chr6	30111885	30111885	+	4.575E-14	6.70636E-13	-0.24288	hypo	sig	chr6_30111885
chr19	58155461	58155461	+	4.581E-14	6.71385E-13	0.214676	hyper	sig	chr19_58155461
chr18	63476922	63476922	+	4.586E-14	6.72087E-13	-0.22084	hypo	sig	chr18_63476922
chr9	62800052	62800052	+	4.593E-14	6.73171E-13	0.240077	hyper	sig	chr9_62800052
chr20	45316835	45316835	+	4.595E-14	6.7332E-13	0.313693	hyper	sig	chr20_45316835
chr14	85529451	85529451	+	4.601E-14	6.74252E-13	0.306903	hyper	sig	chr14_85529451
chr17	19978362	19978362	+	4.618E-14	6.76652E-13	0.239601	hyper	sig	chr17_19978362
chr14	99936182	99936182	+	4.625E-14	6.77583E-13	-0.20222	hypo	sig	chr14_99936182
chr5	1.58E+08	157564502	+	4.627E-14	6.77946E-13	-0.21464	hypo	sig	chr5_157564502
chr1	2.07E+08	206907723	+	4.642E-14	6.79973E-13	-0.2066	hypo	sig	chr1_206907723
chr4	1.39E+08	139279454	+	4.656E-14	6.81999E-13	0.205735	hyper	sig	chr4_139279454
chr1	3746782	3746782	+	4.674E-14	6.84589E-13	0.206122	hyper	sig	chr1_3746782
chr1	1.19E+08	119006280	+	4.686E-14	6.86249E-13	0.251113	hyper	sig	chr1_119006280
chr2	9102971	9102971	+	4.686E-14	6.86288E-13	-0.24208	hypo	sig	chr2_9102971
chr2	1.72E+08	172080970	+	4.687E-14	6.86357E-13	0.284798	hyper	sig	chr2_172080970
chr8	64374088	64374088	+	4.689E-14	6.86713E-13	0.317286	hyper	sig	chr8_64374088
chr1	37317128	37317128	+	4.698E-14	6.87984E-13	-0.23535	hypo	sig	chr1_37317128
chr9	74888126	74888126	+	4.698E-14	6.87984E-13	-0.22763	hypo	sig	chr9_74888126
chr1	2.47E+08	247374046	+	4.713E-14	6.90021E-13	0.240844	hyper	sig	chr1_247374046
chr11	3435236	3435236	+	4.714E-14	6.90207E-13	-0.25608	hypo	sig	chr11_3435236
chr2	74148342	74148342	+	4.733E-14	6.92835E-13	0.237745	hyper	sig	chr2_74148342
chr14	51752495	51752495	+	4.735E-14	6.9321E-13	-0.20307	hypo	sig	chr14_51752495
chr17	41123444	41123444	+	4.737E-14	6.9337E-13	-0.27941	hypo	sig	chr17_41123444

chr12	3369404	3369404	+	4.738E-14	6.93543E-13	-0.2658	hypo	sig	chr12_3369404
chr1	20723974	20723974	+	4.739E-14	6.93777E-13	-0.20371	hypo	sig	chr1_20723974
chr10	91633557	91633557	+	4.742E-14	6.94165E-13	0.203526	hyper	sig	chr10_91633557
chr2	27497275	27497275	+	4.745E-14	6.94589E-13	-0.22365	hypo	sig	chr2_27497275
chr12	1.09E+08	108880111	+	4.746E-14	6.94618E-13	-0.21625	hypo	sig	chr12_108880111
chr5	38845652	38845652	+	4.747E-14	6.94875E-13	0.203122	hyper	sig	chr5_38845652
chr12	9074762	9074762	+	4.75E-14	6.95244E-13	-0.28895	hypo	sig	chr12_9074762
chr13	27791678	27791678	+	4.757E-14	6.96154E-13	0.219752	hyper	sig	chr13_27791678
chr4	6382438	6382438	+	4.772E-14	6.98396E-13	-0.2059	hypo	sig	chr4_6382438
chr7	96998388	96998388	+	4.791E-14	7.01078E-13	0.200874	hyper	sig	chr7_96998388
chr13	1.13E+08	113139125	+	4.811E-14	7.03998E-13	-0.27486	hypo	sig	chr13_113139125
chr8	52940153	52940153	+	4.819E-14	7.05128E-13	0.227641	hyper	sig	chr8_52940153
chr4	73944509	73944509	+	4.822E-14	7.0554E-13	0.256784	hyper	sig	chr4_73944509
chr7	44217494	44217494	+	4.832E-14	7.06931E-13	-0.23561	hypo	sig	chr7_44217494
chr2	1.81E+08	181456762	+	4.837E-14	7.07631E-13	0.209687	hyper	sig	chr2_181456762
chr16	56663304	56663304	+	4.839E-14	7.07971E-13	0.331044	hyper	sig	chr16_56663304
chr4	386760	386760	+	4.839E-14	7.07977E-13	0.268697	hyper	sig	chr4_386760
chr17	79048228	79048228	+	4.842E-14	7.08327E-13	-0.25491	hypo	sig	chr17_79048228
chr16	54931956	54931956	+	4.871E-14	7.12359E-13	0.212813	hyper	sig	chr16_54931956
chr1	9505493	9505493	+	4.875E-14	7.12947E-13	-0.2681	hypo	sig	chr1_9505493
chr16	51113962	51113962	+	4.882E-14	7.14001E-13	0.223349	hyper	sig	chr16_51113962
chr2	2.18E+08	218385239	+	4.883E-14	7.14084E-13	-0.22729	hypo	sig	chr2_218385239
chr7	22664697	22664697	+	4.891E-14	7.15269E-13	-0.24663	hypo	sig	chr7_22664697
chr4	1.57E+08	157220225	+	4.896E-14	7.15962E-13	0.206874	hyper	sig	chr4_157220225
chr7	6480380	6480380	+	4.897E-14	7.16084E-13	-0.22195	hypo	sig	chr7_6480380
chr16	49277883	49277883	+	4.903E-14	7.16939E-13	0.218357	hyper	sig	chr16_49277883
chr16	1018700	1018700	+	4.91E-14	7.17933E-13	-0.22692	hypo	sig	chr16_1018700
chr15	74723446	74723446	+	4.911E-14	7.18031E-13	-0.20663	hypo	sig	chr15_74723446
chr16	54288387	54288387	+	4.913E-14	7.18306E-13	0.245825	hyper	sig	chr16_54288387
chr2	55923907	55923907	+	4.916E-14	7.18759E-13	0.221595	hyper	sig	chr2_55923907
chr8	38974780	38974780	+	4.92E-14	7.19328E-13	0.200468	hyper	sig	chr8_38974780
chr5	1.26E+08	126422755	+	4.93E-14	7.20651E-13	-0.2365	hypo	sig	chr5_126422755
chr6	1.06E+08	105981616	+	4.932E-14	7.21014E-13	0.218453	hyper	sig	chr6_105981616
chr10	42368006	42368006	+	4.962E-14	7.25196E-13	0.268726	hyper	sig	chr10_42368006
chr19	28794079	28794079	+	4.966E-14	7.25745E-13	0.259908	hyper	sig	chr19_28794079
chr20	21102169	21102169	+	4.968E-14	7.26004E-13	0.215704	hyper	sig	chr20_21102169
chr20	63126474	63126474	+	4.968E-14	7.26037E-13	-0.2678	hypo	sig	chr20_63126474
chr14	74377896	74377896	+	4.972E-14	7.26601E-13	-0.23348	hypo	sig	chr14_74377896
chr22	37104682	37104682	+	4.975E-14	7.26968E-13	-0.32222	hypo	sig	chr22_37104682
chr5	1.78E+08	177985585	+	4.976E-14	7.27184E-13	0.225296	hyper	sig	chr5_177985585
chr19	49038717	49038717	+	4.978E-14	7.27341E-13	-0.23835	hypo	sig	chr19_49038717
chr5	88678189	88678189	+	4.984E-14	7.28209E-13	0.207232	hyper	sig	chr5_88678189
chr21	44452402	44452402	+	4.985E-14	7.28332E-13	-0.20141	hypo	sig	chr21_44452402
chr4	1.9E+08	190017900	+	4.986E-14	7.28537E-13	0.2181	hyper	sig	chr4_190017900
chr2	2.07E+08	206642697	+	4.994E-14	7.29639E-13	0.223908	hyper	sig	chr2_206642697
chr20	63773446	63773446	+	5.001E-14	7.30557E-13	-0.23172	hypo	sig	chr20_63773446
chr14	37622646	37622646	+	5.004E-14	7.31081E-13	0.217415	hyper	sig	chr14_37622646
chr6	13860321	13860321	+	5.006E-14	7.31372E-13	0.230218	hyper	sig	chr6_13860321
chr3	11157009	11157009	+	5.008E-14	7.31598E-13	-0.2233	hypo	sig	chr3_11157009
chr16	51113851	51113851	+	5.008E-14	7.31611E-13	0.21606	hyper	sig	chr16_51113851
chr11	69250029	69250029	+	5.014E-14	7.32345E-13	-0.21838	hypo	sig	chr11_69250029
chr2	2.27E+08	227471433	+	5.02E-14	7.33241E-13	-0.20406	hypo	sig	chr2_227471433
chr2	1.05E+08	104857998	+	5.033E-14	7.35126E-13	0.227415	hyper	sig	chr2_104857998
chr12	53975750	53975750	+	5.038E-14	7.35857E-13	0.203737	hyper	sig	chr12_53975750
chr6	33080514	33080514	+	5.043E-14	7.36433E-13	0.278813	hyper	sig	chr6_33080514
chr5	3599605	3599605	+	5.053E-14	7.37882E-13	0.21755	hyper	sig	chr5_3599605

chr1	2.21E+08	220891776	+	5.059E-14	7.38692E-13	0.215996	hyper	sig	chr1_220891776
chr3	1.97E+08	196660588	+	5.069E-14	7.40168E-13	-0.23401	hypo	sig	chr3_196660588
chr14	76371085	76371085	+	5.072E-14	7.40555E-13	-0.23422	hypo	sig	chr14_76371085
chr1	1.56E+08	156388049	+	5.072E-14	7.40616E-13	0.215765	hyper	sig	chr1_156388049
chr5	1.3E+08	129903580	+	5.074E-14	7.40883E-13	-0.23654	hypo	sig	chr5_129903580
chr19	12195703	12195703	+	5.085E-14	7.4229E-13	0.276044	hyper	sig	chr19_12195703
chr1	1196563	1196563	+	5.086E-14	7.42464E-13	-0.20025	hypo	sig	chr1_1196563
chr7	51803107	51803107	+	5.089E-14	7.42894E-13	-0.24307	hypo	sig	chr7_51803107
chr12	1.32E+08	132245125	+	5.1E-14	7.44337E-13	-0.26019	hypo	sig	chr12_132245125
chr10	95231142	95231142	+	5.102E-14	7.44607E-13	0.244165	hyper	sig	chr10_95231142
chr12	6555740	6555740	+	5.131E-14	7.48732E-13	0.232667	hyper	sig	chr12_6555740
chr4	574478	574478	+	5.156E-14	7.52341E-13	0.200228	hyper	sig	chr4_574478
chr17	32111593	32111593	+	5.179E-14	7.55564E-13	-0.2234	hypo	sig	chr17_32111593
chr8	1.43E+08	142823558	+	5.186E-14	7.56532E-13	-0.27529	hypo	sig	chr8_142823558
chr17	79048404	79048404	+	5.199E-14	7.58367E-13	-0.26819	hypo	sig	chr17_79048404
chr5	38256097	38256097	+	5.206E-14	7.59284E-13	-0.28492	hypo	sig	chr5_38256097
chr2	1.92E+08	192194807	+	5.21E-14	7.59928E-13	0.224824	hyper	sig	chr2_192194807
chr1	24535218	24535218	+	5.212E-14	7.60069E-13	0.211226	hyper	sig	chr1_24535218
chr10	3781861	3781861	+	5.216E-14	7.60698E-13	-0.2042	hypo	sig	chr10_3781861
chr16	20964752	20964752	+	5.225E-14	7.61997E-13	-0.24746	hypo	sig	chr16_20964752
chr20	9507286	9507286	+	5.241E-14	7.6422E-13	0.29096	hyper	sig	chr20_9507286
chr6	50715868	50715868	+	5.243E-14	7.64571E-13	0.231772	hyper	sig	chr6_50715868
chr12	1.29E+08	128854273	+	5.25E-14	7.65472E-13	0.202542	hyper	sig	chr12_128854273
chr2	2.34E+08	234171653	+	5.25E-14	7.65524E-13	-0.20233	hypo	sig	chr2_234171653
chr4	1.52E+08	151799627	+	5.253E-14	7.65929E-13	-0.23845	hypo	sig	chr4_151799627
chr18	47260121	47260121	+	5.257E-14	7.66471E-13	0.286476	hyper	sig	chr18_47260121
chr8	1163712	1163712	+	5.266E-14	7.67732E-13	0.227972	hyper	sig	chr8_1163712
chr3	1.12E+08	112185995	+	5.266E-14	7.6774E-13	0.226447	hyper	sig	chr3_112185995
chr4	1.77E+08	176792230	+	5.274E-14	7.68782E-13	0.207874	hyper	sig	chr4_176792230
chr6	1.59E+08	158820407	+	5.304E-14	7.73111E-13	-0.2177	hypo	sig	chr6_158820407
chr3	96815022	96815022	+	5.306E-14	7.7341E-13	0.257834	hyper	sig	chr3_96815022
chr1	2E+08	200038781	+	5.313E-14	7.744E-13	0.222091	hyper	sig	chr1_200038781
chr11	77040523	77040523	+	5.317E-14	7.74941E-13	-0.25467	hypo	sig	chr11_77040523
chr15	95327015	95327015	+	5.319E-14	7.75162E-13	0.253633	hyper	sig	chr15_95327015
chr19	11295438	11295438	+	5.32E-14	7.75277E-13	-0.20354	hypo	sig	chr19_11295438
chr1	17149275	17149275	+	5.323E-14	7.75778E-13	0.316862	hyper	sig	chr1_17149275
chr5	1.41E+08	141201240	+	5.333E-14	7.77084E-13	0.215063	hyper	sig	chr5_141201240
chr4	84495896	84495896	+	5.338E-14	7.77844E-13	0.256242	hyper	sig	chr4_84495896
chr16	4242029	4242029	+	5.344E-14	7.78699E-13	0.215722	hyper	sig	chr16_4242029
chr14	94772463	94772463	+	5.346E-14	7.78954E-13	0.222362	hyper	sig	chr14_94772463
chr2	1.24E+08	124024706	+	5.363E-14	7.81301E-13	0.218921	hyper	sig	chr2_124024706
chr13	31945901	31945901	+	5.364E-14	7.81407E-13	-0.20179	hypo	sig	chr13_31945901
chr11	3223135	3223135	+	5.371E-14	7.82506E-13	-0.22786	hypo	sig	chr11_3223135
chr5	1.79E+08	179209971	+	5.375E-14	7.83035E-13	-0.20623	hypo	sig	chr5_179209971
chr4	1.52E+08	151676470	+	5.381E-14	7.8387E-13	-0.20053	hypo	sig	chr4_151676470
chr3	62377404	62377404	+	5.383E-14	7.84084E-13	0.201262	hyper	sig	chr3_62377404
chr8	84182747	84182747	+	5.383E-14	7.84158E-13	0.227592	hyper	sig	chr8_84182747
chr11	2328525	2328525	+	5.386E-14	7.84449E-13	0.203632	hyper	sig	chr11_2328525
chr16	85192947	85192947	+	5.394E-14	7.85599E-13	-0.23575	hypo	sig	chr16_85192947
chr19	53942209	53942209	+	5.398E-14	7.86156E-13	0.233351	hyper	sig	chr19_53942209
chr1	2.21E+08	220891575	+	5.402E-14	7.86658E-13	0.231363	hyper	sig	chr1_220891575
chr1	1.56E+08	156161468	+	5.42E-14	7.8931E-13	0.275847	hyper	sig	chr1_156161468
chr3	9552475	9552475	+	5.429E-14	7.90493E-13	0.202526	hyper	sig	chr3_9552475
chr7	71752777	71752777	+	5.43E-14	7.9066E-13	-0.2391	hypo	sig	chr7_71752777
chr5	88603140	88603140	+	5.449E-14	7.93314E-13	-0.24801	hypo	sig	chr5_88603140
chr2	1.45E+08	144524695	+	5.45E-14	7.93374E-13	0.200371	hyper	sig	chr2_144524695

chr16	1991488	1991488	+	5.462E-14	7.9504E-13	0.212069	hyper	sig	chr16_1991488
chr10	97975134	97975134	+	5.464E-14	7.95405E-13	0.204441	hyper	sig	chr10_97975134
chr12	29782983	29782983	+	5.465E-14	7.9553E-13	0.217589	hyper	sig	chr12_29782983
chr14	1.01E+08	100693094	+	5.467E-14	7.95803E-13	-0.21768	hypo	sig	chr14_100693094
chr12	1.09E+08	109307183	+	5.481E-14	7.97701E-13	-0.23371	hypo	sig	chr12_109307183
chr7	5782005	5782005	+	5.487E-14	7.98629E-13	-0.26411	hypo	sig	chr7_5782005
chr11	1849835	1849835	+	5.49E-14	7.98992E-13	-0.25871	hypo	sig	chr11_1849835
chr7	1.21E+08	121328850	+	5.494E-14	7.99561E-13	0.221729	hyper	sig	chr7_121328850
chr7	57150567	57150567	+	5.497E-14	8.00006E-13	-0.23964	hypo	sig	chr7_57150567
chr6	1385806	1385806	+	5.51E-14	8.0182E-13	0.287241	hyper	sig	chr6_1385806
chr11	1.08E+08	107592168	+	5.519E-14	8.03151E-13	0.235034	hyper	sig	chr11_107592168
chr7	1.43E+08	142866708	+	5.529E-14	8.04517E-13	-0.24562	hypo	sig	chr7_142866708
chr2	1.76E+08	176100619	+	5.54E-14	8.06153E-13	0.214768	hyper	sig	chr2_176100619
chr16	30477000	30477000	+	5.543E-14	8.06535E-13	-0.2288	hypo	sig	chr16_30477000
chr19	53058116	53058116	+	5.549E-14	8.07322E-13	0.244935	hyper	sig	chr19_53058116
chr1	2.17E+08	217140357	+	5.551E-14	8.07558E-13	0.226073	hyper	sig	chr1_217140357
chr7	20793467	20793467	+	5.552E-14	8.0776E-13	0.242964	hyper	sig	chr7_20793467
chr2	47566233	47566233	+	5.558E-14	8.08524E-13	-0.25206	hypo	sig	chr2_47566233
chr13	1.13E+08	113420524	+	5.567E-14	8.09823E-13	-0.21925	hypo	sig	chr13_113420524
chr9	1.35E+08	135264703	+	5.567E-14	8.09825E-13	-0.22265	hypo	sig	chr9_135264703
chr1	3020305	3020305	+	5.577E-14	8.11204E-13	-0.24984	hypo	sig	chr1_3020305
chr2	11609961	11609961	+	5.583E-14	8.12121E-13	-0.22171	hypo	sig	chr2_11609961
chr6	1.37E+08	137496497	+	5.59E-14	8.12984E-13	0.226622	hyper	sig	chr6_137496497
chr16	55327592	55327592	+	5.601E-14	8.14563E-13	0.245497	hyper	sig	chr16_55327592
chr20	21713680	21713680	+	5.62E-14	8.1722E-13	0.200055	hyper	sig	chr20_21713680
chr2	94998603	94998603	+	5.621E-14	8.17437E-13	0.251472	hyper	sig	chr2_94998603
chr22	49670240	49670240	+	5.628E-14	8.1834E-13	0.21123	hyper	sig	chr22_49670240
chr21	36696301	36696301	+	5.629E-14	8.18522E-13	0.288419	hyper	sig	chr21_36696301
chr19	40483886	40483886	+	5.63E-14	8.18665E-13	-0.28224	hypo	sig	chr19_40483886
chr1	902236	902236	+	5.632E-14	8.18798E-13	-0.20325	hypo	sig	chr1_902236
chr1	10672723	10672723	+	5.641E-14	8.20115E-13	0.21065	hyper	sig	chr1_10672723
chr22	50447229	50447229	+	5.648E-14	8.21089E-13	-0.20151	hypo	sig	chr22_50447229
chr1	1.12E+08	111515934	+	5.656E-14	8.22213E-13	0.21833	hyper	sig	chr1_111515934
chr19	6333750	6333750	+	5.673E-14	8.24623E-13	-0.20083	hypo	sig	chr19_6333750
chr6	10384862	10384862	+	5.676E-14	8.25052E-13	0.258029	hyper	sig	chr6_10384862
chr6	1.24E+08	123801515	+	5.678E-14	8.25378E-13	-0.26144	hypo	sig	chr6_123801515
chr9	96687201	96687201	+	5.686E-14	8.26499E-13	0.209794	hyper	sig	chr9_96687201
chr7	55449185	55449185	+	5.69E-14	8.2705E-13	0.207881	hyper	sig	chr7_55449185
chr17	36939208	36939208	+	5.692E-14	8.27279E-13	0.240806	hyper	sig	chr17_36939208
chr19	46373352	46373352	+	5.695E-14	8.27744E-13	-0.20602	hypo	sig	chr19_46373352
chr10	23192593	23192593	+	5.696E-14	8.27768E-13	0.233589	hyper	sig	chr10_23192593
chr17	47305395	47305395	+	5.705E-14	8.29013E-13	-0.25254	hypo	sig	chr17_47305395
chr2	2.08E+08	208407396	+	5.709E-14	8.29624E-13	0.207397	hyper	sig	chr2_208407396
chr2	2.22E+08	222304871	+	5.722E-14	8.31408E-13	0.220091	hyper	sig	chr2_222304871
chr12	1.2E+08	120361906	+	5.723E-14	8.31537E-13	0.206396	hyper	sig	chr12_120361906
chr17	14304282	14304282	+	5.726E-14	8.3194E-13	0.211607	hyper	sig	chr17_14304282
chr7	20793457	20793457	+	5.727E-14	8.32071E-13	0.241991	hyper	sig	chr7_20793457
chr1	37041687	37041687	+	5.731E-14	8.3258E-13	-0.24401	hypo	sig	chr1_37041687
chr13	1.07E+08	106530698	+	5.737E-14	8.33453E-13	-0.28358	hypo	sig	chr13_106530698
chr12	1.23E+08	122773796	+	5.743E-14	8.34345E-13	-0.27133	hypo	sig	chr12_122773796
chr8	74985042	74985042	+	5.75E-14	8.35262E-13	0.208082	hyper	sig	chr8_74985042
chr14	1.07E+08	106802799	+	5.764E-14	8.37312E-13	-0.21605	hypo	sig	chr14_106802799
chr7	1.21E+08	121328857	+	5.767E-14	8.37739E-13	0.20841	hyper	sig	chr7_121328857
chr16	804582	804582	+	5.772E-14	8.38464E-13	-0.20075	hypo	sig	chr16_804582
chr1	8348692	8348692	+	5.783E-14	8.39986E-13	-0.27034	hypo	sig	chr1_8348692
chr6	35509581	35509581	+	5.804E-14	8.42944E-13	-0.35347	hypo	sig	chr6_35509581

chr11	64609829	64609829	+	5.805E-14	8.4308E-13	-0.2046	hypo	sig	chr11_64609829
chr8	68332204	68332204	+	5.808E-14	8.43499E-13	0.236507	hyper	sig	chr8_68332204
chr2	1.32E+08	131646984	+	5.817E-14	8.44768E-13	0.208831	hyper	sig	chr2_131646984
chr21	45491644	45491644	+	5.818E-14	8.44857E-13	-0.20586	hypo	sig	chr21_45491644
chr6	1.06E+08	106135409	+	5.834E-14	8.47147E-13	-0.20166	hypo	sig	chr6_106135409
chr22	45889800	45889800	+	5.837E-14	8.47524E-13	0.20648	hyper	sig	chr22_45889800
chr8	1.43E+08	143279026	+	5.837E-14	8.47605E-13	0.20225	hyper	sig	chr8_143279026
chr2	1.21E+08	120560019	+	5.854E-14	8.5001E-13	-0.20363	hypo	sig	chr2_120560019
chr17	17352313	17352313	+	5.864E-14	8.51405E-13	-0.20525	hypo	sig	chr17_17352313
chr19	45472976	45472976	+	5.866E-14	8.51638E-13	0.288396	hyper	sig	chr19_45472976
chr12	1.32E+08	131852846	+	5.876E-14	8.52996E-13	-0.21853	hypo	sig	chr12_131852846
chr1	57423038	57423038	+	5.889E-14	8.54912E-13	0.215518	hyper	sig	chr1_57423038
chr14	1.05E+08	104946652	+	5.892E-14	8.55232E-13	-0.25381	hypo	sig	chr14_104946652
chr3	1.27E+08	126705018	+	5.893E-14	8.55376E-13	0.247161	hyper	sig	chr3_126705018
chr1	3430938	3430938	+	5.895E-14	8.55623E-13	-0.2111	hypo	sig	chr1_3430938
chr11	1.35E+08	134665241	+	5.899E-14	8.5632E-13	-0.21795	hypo	sig	chr11_134665241
chr3	42265531	42265531	+	5.902E-14	8.56708E-13	0.312543	hyper	sig	chr3_42265531
chr16	88413138	88413138	+	5.909E-14	8.5766E-13	-0.21185	hypo	sig	chr16_88413138
chr1	12170541	12170541	+	5.916E-14	8.58705E-13	-0.21097	hypo	sig	chr1_12170541
chr19	58118320	58118320	+	5.933E-14	8.61041E-13	0.26437	hyper	sig	chr19_58118320
chr4	1.56E+08	155758855	+	5.935E-14	8.6129E-13	0.252854	hyper	sig	chr4_155758855
chr10	1.33E+08	132915865	+	5.937E-14	8.61521E-13	-0.20597	hypo	sig	chr10_132915865
chr19	48444686	48444686	+	5.942E-14	8.62172E-13	0.248418	hyper	sig	chr19_48444686
chr11	1639919	1639919	+	5.943E-14	8.62338E-13	-0.20137	hypo	sig	chr11_1639919
chr16	88334778	88334778	+	5.944E-14	8.62447E-13	-0.30093	hypo	sig	chr16_88334778
chr2	2.32E+08	231921544	+	5.947E-14	8.62867E-13	-0.30729	hypo	sig	chr2_231921544
chr20	17225950	17225950	+	5.947E-14	8.62874E-13	0.247606	hyper	sig	chr20_17225950
chr16	51154476	51154476	+	5.948E-14	8.63056E-13	0.27372	hyper	sig	chr16_51154476
chr19	56643876	56643876	+	5.95E-14	8.63308E-13	0.232072	hyper	sig	chr19_56643876
chr7	63901352	63901352	+	5.955E-14	8.64022E-13	0.216048	hyper	sig	chr7_63901352
chr19	56477010	56477010	+	5.985E-14	8.68283E-13	0.221502	hyper	sig	chr19_56477010
chr16	88818785	88818785	+	5.996E-14	8.69857E-13	-0.21078	hypo	sig	chr16_88818785
chr10	61452608	61452608	+	6.009E-14	8.71607E-13	0.221971	hyper	sig	chr10_61452608
chr11	862669	862669	+	6.012E-14	8.71966E-13	-0.23158	hypo	sig	chr11_862669
chr14	94773921	94773921	+	6.017E-14	8.72665E-13	0.252571	hyper	sig	chr14_94773921
chr20	46149395	46149395	+	6.021E-14	8.73223E-13	-0.25631	hypo	sig	chr20_46149395
chr12	1.11E+08	110686503	+	6.022E-14	8.73426E-13	-0.2877	hypo	sig	chr12_110686503
chr1	1.19E+08	119000762	+	6.023E-14	8.73468E-13	0.221185	hyper	sig	chr1_119000762
chr15	92656194	92656194	+	6.023E-14	8.73575E-13	-0.24441	hypo	sig	chr15_92656194
chr5	73301401	73301401	+	6.039E-14	8.75766E-13	0.210177	hyper	sig	chr5_73301401
chr14	56808366	56808366	+	6.053E-14	8.77802E-13	0.202128	hyper	sig	chr14_56808366
chr7	74094475	74094475	+	6.053E-14	8.77807E-13	0.256143	hyper	sig	chr7_74094475
chr14	28785842	28785842	+	6.057E-14	8.78373E-13	0.246776	hyper	sig	chr14_28785842
chr7	1.55E+08	154898429	+	6.07E-14	8.80151E-13	-0.25498	hypo	sig	chr7_154898429
chr17	848106	848106	+	6.072E-14	8.80343E-13	-0.25949	hypo	sig	chr17_848106
chr13	1.14E+08	114054433	+	6.074E-14	8.80674E-13	-0.22854	hypo	sig	chr13_114054433
chr5	5139530	5139530	+	6.089E-14	8.82869E-13	0.231198	hyper	sig	chr5_5139530
chr2	1.05E+08	104659396	+	6.105E-14	8.85054E-13	0.246514	hyper	sig	chr2_104659396
chr1	11536914	11536914	+	6.108E-14	8.85474E-13	-0.20487	hypo	sig	chr1_11536914
chr1	1203544	1203544	+	6.11E-14	8.85703E-13	-0.25337	hypo	sig	chr1_1203544
chr2	1654378	1654378	+	6.113E-14	8.86213E-13	-0.29203	hypo	sig	chr2_1654378
chr16	85621371	85621371	+	6.125E-14	8.87883E-13	-0.21366	hypo	sig	chr16_85621371
chr10	1.33E+08	132903433	+	6.141E-14	8.90073E-13	-0.24094	hypo	sig	chr10_132903433
chr5	1.41E+08	141151580	+	6.165E-14	8.93549E-13	0.207526	hyper	sig	chr5_141151580
chr20	45098416	45098416	+	6.166E-14	8.93679E-13	0.223312	hyper	sig	chr20_45098416
chr5	1.41E+08	141094668	+	6.174E-14	8.94745E-13	0.218202	hyper	sig	chr5_141094668

chr10	22479238	22479238	+	6.178E-14	8.95234E-13	-0.34821	hypo	sig	chr10_22479238
chr15	23897814	23897814	+	6.182E-14	8.95777E-13	0.214348	hyper	sig	chr15_23897814
chr5	1.41E+08	141188617	+	6.184E-14	8.96022E-13	0.269847	hyper	sig	chr5_141188617
chr19	2511709	2511709	+	6.19E-14	8.96857E-13	-0.22595	hypo	sig	chr19_2511709
chr20	4815169	4815169	+	6.197E-14	8.97955E-13	-0.20366	hypo	sig	chr20_4815169
chr20	37523209	37523209	+	6.198E-14	8.97982E-13	-0.29075	hypo	sig	chr20_37523209
chr7	1421057	1421057	+	6.205E-14	8.99016E-13	-0.21607	hypo	sig	chr7_1421057
chr13	35478471	35478471	+	6.211E-14	8.99834E-13	0.235474	hyper	sig	chr13_35478471
chr11	1.23E+08	123302393	+	6.214E-14	9.00288E-13	0.219109	hyper	sig	chr11_123302393
chr3	11898621	11898621	+	6.216E-14	9.00477E-13	-0.23936	hypo	sig	chr3_11898621
chr5	73299978	73299978	+	6.217E-14	9.00656E-13	0.207132	hyper	sig	chr5_73299978
chr8	1.43E+08	142563655	+	6.225E-14	9.01817E-13	-0.20573	hypo	sig	chr8_142563655
chr20	10218622	10218622	+	6.232E-14	9.02728E-13	0.203648	hyper	sig	chr20_10218622
chr12	52116032	52116032	+	6.233E-14	9.0284E-13	-0.23953	hypo	sig	chr12_52116032
chr12	6142224	6142224	+	6.238E-14	9.03569E-13	-0.2821	hypo	sig	chr12_6142224
chr7	97024308	97024308	+	6.243E-14	9.04285E-13	0.200889	hyper	sig	chr7_97024308
chr7	36186129	36186129	+	6.256E-14	9.06003E-13	-0.22646	hypo	sig	chr7_36186129
chr15	74417440	74417440	+	6.258E-14	9.06363E-13	-0.21961	hypo	sig	chr15_74417440
chr12	1.19E+08	118774498	+	6.278E-14	9.09223E-13	0.20097	hyper	sig	chr12_118774498
chr2	1.05E+08	104842695	+	6.3E-14	9.12257E-13	0.209294	hyper	sig	chr2_104842695
chr7	79454504	79454504	+	6.303E-14	9.12716E-13	0.265246	hyper	sig	chr7_79454504
chr2	1.39E+08	138781070	+	6.306E-14	9.13098E-13	0.269112	hyper	sig	chr2_138781070
chr11	20605542	20605542	+	6.324E-14	9.15656E-13	0.226535	hyper	sig	chr11_20605542
chr10	49397188	49397188	+	6.329E-14	9.16427E-13	0.232149	hyper	sig	chr10_49397188
chr16	1482486	1482486	+	6.335E-14	9.17224E-13	-0.27717	hypo	sig	chr16_1482486
chr19	18878076	18878076	+	6.339E-14	9.17783E-13	-0.2733	hypo	sig	chr19_18878076
chr19	52297734	52297734	+	6.348E-14	9.19086E-13	0.284327	hyper	sig	chr19_52297734
chr10	15718691	15718691	+	6.371E-14	9.2226E-13	0.200403	hyper	sig	chr10_15718691
chr7	1927985	1927985	+	6.371E-14	9.22264E-13	0.212006	hyper	sig	chr7_1927985
chr13	24538756	24538756	+	6.372E-14	9.22313E-13	-0.2139	hypo	sig	chr13_24538756
chr4	1.9E+08	190017896	+	6.383E-14	9.23801E-13	0.223288	hyper	sig	chr4_190017896
chr1	1.21E+08	121007080	+	6.392E-14	9.25068E-13	0.207088	hyper	sig	chr1_121007080
chr6	10417152	10417152	+	6.4E-14	9.26181E-13	0.220249	hyper	sig	chr6_10417152
chr4	10458344	10458344	+	6.405E-14	9.26926E-13	-0.21174	hypo	sig	chr4_10458344
chr18	48945024	48945024	+	6.408E-14	9.27355E-13	-0.25404	hypo	sig	chr18_48945024
chr5	1546703	1546703	+	6.416E-14	9.28377E-13	-0.23132	hypo	sig	chr5_1546703
chr20	21103835	21103835	+	6.416E-14	9.28429E-13	0.246781	hyper	sig	chr20_21103835
chr2	11481445	11481445	+	6.417E-14	9.28574E-13	-0.23338	hypo	sig	chr2_11481445
chr5	1.81E+08	180603000	+	6.435E-14	9.30986E-13	-0.21699	hypo	sig	chr5_180603000
chr5	1.29E+08	128537816	+	6.441E-14	9.31857E-13	0.206389	hyper	sig	chr5_128537816
chr12	1.26E+08	126192228	+	6.444E-14	9.32299E-13	-0.20035	hypo	sig	chr12_126192228
chr6	75202505	75202505	+	6.452E-14	9.33377E-13	0.237288	hyper	sig	chr6_75202505
chr5	1.55E+08	154615047	+	6.458E-14	9.34189E-13	-0.22609	hypo	sig	chr5_154615047
chr2	2.07E+08	206642277	+	6.467E-14	9.3547E-13	0.247631	hyper	sig	chr2_206642277
chr2	1.28E+08	128319724	+	6.469E-14	9.35673E-13	-0.24434	hypo	sig	chr2_128319724
chr17	6654934	6654934	+	6.474E-14	9.36396E-13	0.245087	hyper	sig	chr17_6654934
chr6	2987474	2987474	+	6.479E-14	9.37121E-13	-0.27414	hypo	sig	chr6_2987474
chr11	1.03E+08	103096269	+	6.488E-14	9.38354E-13	-0.24918	hypo	sig	chr11_103096269
chr4	912301	912301	+	6.491E-14	9.38729E-13	-0.21694	hypo	sig	chr4_912301
chr5	73299980	73299980	+	6.506E-14	9.40799E-13	0.20318	hyper	sig	chr5_73299980
chr17	76933837	76933837	+	6.527E-14	9.43765E-13	-0.22928	hypo	sig	chr17_76933837
chr13	57633516	57633516	+	6.54E-14	9.45531E-13	0.206236	hyper	sig	chr13_57633516
chr19	55581360	55581360	+	6.565E-14	9.48983E-13	-0.28924	hypo	sig	chr19_55581360
chr3	13929755	13929755	+	6.577E-14	9.50753E-13	-0.24387	hypo	sig	chr3_13929755
chr3	5092474	5092474	+	6.58E-14	9.51235E-13	-0.2167	hypo	sig	chr3_5092474
chr1	2.25E+08	224617929	+	6.584E-14	9.51721E-13	0.266046	hyper	sig	chr1_224617929

chr12	95857951	95857951	+	6.592E-14	9.5278E-13	0.212473	hyper	sig	chr12_95857951
chr11	3435276	3435276	+	6.606E-14	9.54748E-13	-0.29702	hypo	sig	chr11_3435276
chr5	1208972	1208972	+	6.611E-14	9.5544E-13	-0.23947	hypo	sig	chr5_1208972
chr5	31639763	31639763	+	6.619E-14	9.56569E-13	0.266792	hyper	sig	chr5_31639763
chr17	79204399	79204399	+	6.619E-14	9.5657E-13	-0.21512	hypo	sig	chr17_79204399
chr19	40224754	40224754	+	6.623E-14	9.57089E-13	-0.27489	hypo	sig	chr19_40224754
chr1	1450727	1450727	+	6.642E-14	9.59807E-13	-0.24166	hypo	sig	chr1_1450727
chr5	1.41E+08	141094552	+	6.657E-14	9.61757E-13	0.201636	hyper	sig	chr5_141094552
chr3	1.82E+08	181724373	+	6.659E-14	9.62041E-13	0.279221	hyper	sig	chr3_181724373
chr10	72217025	72217025	+	6.66E-14	9.62214E-13	-0.2488	hypo	sig	chr10_72217025
chr10	62818760	62818760	+	6.674E-14	9.64063E-13	0.223444	hyper	sig	chr10_62818760
chr19	54100833	54100833	+	6.676E-14	9.64281E-13	-0.20849	hypo	sig	chr19_54100833
chr15	88258256	88258256	+	6.677E-14	9.64367E-13	0.214649	hyper	sig	chr15_88258256
chr17	82321116	82321116	+	6.677E-14	9.64425E-13	-0.21878	hypo	sig	chr17_82321116
chr11	31796920	31796920	+	6.7E-14	9.67556E-13	0.250439	hyper	sig	chr11_31796920
chr13	78595525	78595525	+	6.712E-14	9.6923E-13	0.228916	hyper	sig	chr13_78595525
chr4	41752026	41752026	+	6.717E-14	9.69933E-13	0.21425	hyper	sig	chr4_41752026
chr4	1.34E+08	134201363	+	6.737E-14	9.72721E-13	0.318592	hyper	sig	chr4_134201363
chr6	1.08E+08	108119731	+	6.747E-14	9.74087E-13	0.291736	hyper	sig	chr6_108119731
chr8	1.3E+08	130377492	+	6.75E-14	9.74479E-13	-0.21399	hypo	sig	chr8_130377492
chr6	1.61E+08	160679551	+	6.754E-14	9.74999E-13	0.220775	hyper	sig	chr6_160679551
chr14	76356785	76356785	+	6.756E-14	9.75313E-13	-0.27107	hypo	sig	chr14_76356785
chr1	2943269	2943269	+	6.76E-14	9.75795E-13	-0.21094	hypo	sig	chr1_2943269
chr5	72179529	72179529	+	6.772E-14	9.77431E-13	-0.21608	hypo	sig	chr5_72179529
chr7	44103294	44103294	+	6.773E-14	9.7764E-13	-0.22738	hypo	sig	chr7_44103294
chr15	43267207	43267207	+	6.794E-14	9.80487E-13	-0.2031	hypo	sig	chr15_43267207
chr13	98472102	98472102	+	6.801E-14	9.81448E-13	-0.20144	hypo	sig	chr13_98472102
chr3	10007074	10007074	+	6.82E-14	9.84174E-13	-0.20901	hypo	sig	chr3_10007074
chr19	727139	727139	+	6.821E-14	9.84321E-13	-0.26878	hypo	sig	chr19_727139
chr2	74037580	74037580	+	6.821E-14	9.84324E-13	0.202752	hyper	sig	chr2_74037580
chr12	1865038	1865038	+	6.841E-14	9.87095E-13	0.209352	hyper	sig	chr12_1865038
chr11	8168882	8168882	+	6.851E-14	9.88467E-13	0.228695	hyper	sig	chr11_8168882
chr19	57351867	57351867	+	6.856E-14	9.89134E-13	0.27977	hyper	sig	chr19_57351867
chr5	1.81E+08	181174231	+	6.858E-14	9.89464E-13	0.213723	hyper	sig	chr5_181174231
chr16	54931966	54931966	+	6.868E-14	9.90783E-13	0.219528	hyper	sig	chr16_54931966
chr19	837466	837466	+	6.887E-14	9.9344E-13	-0.27128	hypo	sig	chr19_837466
chr6	1.68E+08	168410641	+	6.889E-14	9.93709E-13	-0.21632	hypo	sig	chr6_168410641
chr6	28635515	28635515	+	6.89E-14	9.93848E-13	0.260234	hyper	sig	chr6_28635515
chr4	1.77E+08	177227805	+	6.895E-14	9.94473E-13	-0.2138	hypo	sig	chr4_177227805
chr15	37102483	37102483	+	6.902E-14	9.95488E-13	0.261165	hyper	sig	chr15_37102483
chr7	4179224	4179224	+	6.915E-14	9.97278E-13	-0.20571	hypo	sig	chr7_4179224
chr5	63959261	63959261	+	6.919E-14	9.97952E-13	0.306197	hyper	sig	chr5_63959261
chr13	25096063	25096063	+	6.933E-14	9.99818E-13	0.228827	hyper	sig	chr13_25096063
chr2	1.54E+08	153872004	+	6.98E-14	1.00629E-12	0.205453	hyper	sig	chr2_153872004
chr17	39868137	39868137	+	7.006E-14	1.01008E-12	0.303383	hyper	sig	chr17_39868137
chr10	773706	773706	+	7.026E-14	1.01275E-12	-0.22383	hypo	sig	chr10_773706
chr7	1.59E+08	159061849	+	7.027E-14	1.01298E-12	0.206198	hyper	sig	chr7_159061849
chr19	53058369	53058369	+	7.029E-14	1.01318E-12	0.32487	hyper	sig	chr19_53058369
chr19	57708772	57708772	+	7.037E-14	1.01427E-12	0.281667	hyper	sig	chr19_57708772
chr5	1.77E+08	176884773	+	7.044E-14	1.01517E-12	-0.31214	hypo	sig	chr5_176884773
chr2	2.08E+08	208124600	+	7.055E-14	1.01675E-12	0.215129	hyper	sig	chr2_208124600
chr11	92223502	92223502	+	7.067E-14	1.01839E-12	0.204137	hyper	sig	chr11_92223502
chr19	57708763	57708763	+	7.072E-14	1.01903E-12	0.263231	hyper	sig	chr19_57708763
chr1	1.65E+08	165355147	+	7.077E-14	1.01972E-12	0.205489	hyper	sig	chr1_165355147
chr13	78595507	78595507	+	7.077E-14	1.01979E-12	0.248053	hyper	sig	chr13_78595507
chr1	9654222	9654222	+	7.093E-14	1.02202E-12	-0.23059	hypo	sig	chr1_9654222

chr22	20323083	20323083	+	7.095E-14	1.02219E-12	-0.23043	hypo	sig	chr22_20323083
chr13	1.1E+08	110327304	+	7.096E-14	1.02241E-12	-0.24497	hypo	sig	chr13_110327304
chr9	1.36E+08	136257949	+	7.108E-14	1.02401E-12	-0.22247	hypo	sig	chr9_136257949
chr11	67573258	67573258	+	7.113E-14	1.02471E-12	-0.25083	hypo	sig	chr11_67573258
chr19	53521258	53521258	+	7.119E-14	1.02555E-12	0.256641	hyper	sig	chr19_53521258
chr12	54031321	54031321	+	7.136E-14	1.02797E-12	0.229146	hyper	sig	chr12_54031321
chr15	26882480	26882480	+	7.149E-14	1.02976E-12	-0.21223	hypo	sig	chr15_26882480
chr20	17225940	17225940	+	7.15E-14	1.02987E-12	0.248306	hyper	sig	chr20_17225940
chr22	16601076	16601076	+	7.169E-14	1.03252E-12	0.23267	hyper	sig	chr22_16601076
chr11	71566427	71566427	+	7.171E-14	1.03286E-12	-0.21046	hypo	sig	chr11_71566427
chr1	2.35E+08	234970059	+	7.176E-14	1.03346E-12	0.202099	hyper	sig	chr1_234970059
chr16	622393	622393	+	7.176E-14	1.03346E-12	-0.20522	hypo	sig	chr16_622393
chr8	48870586	48870586	+	7.178E-14	1.03375E-12	0.257321	hyper	sig	chr8_48870586
chr15	89367401	89367401	+	7.179E-14	1.03393E-12	0.213706	hyper	sig	chr15_89367401
chr10	75043938	75043938	+	7.181E-14	1.03416E-12	0.210166	hyper	sig	chr10_75043938
chr1	16859224	16859224	+	7.195E-14	1.03602E-12	-0.20588	hypo	sig	chr1_16859224
chr12	1.29E+08	128854257	+	7.198E-14	1.03655E-12	0.213447	hyper	sig	chr12_128854257
chr19	35310328	35310328	+	7.201E-14	1.03686E-12	-0.21232	hypo	sig	chr19_35310328
chr19	22709088	22709088	+	7.202E-14	1.03697E-12	0.201183	hyper	sig	chr19_22709088
chr5	493147	493147	+	7.206E-14	1.03752E-12	-0.22703	hypo	sig	chr5_493147
chr17	42185375	42185375	+	7.212E-14	1.03838E-12	-0.2353	hypo	sig	chr17_42185375
chr16	30352357	30352357	+	7.214E-14	1.03865E-12	-0.20824	hypo	sig	chr16_30352357
chr1	3566284	3566284	+	7.215E-14	1.03873E-12	-0.20325	hypo	sig	chr1_3566284
chr7	22654709	22654709	+	7.225E-14	1.04007E-12	-0.26295	hypo	sig	chr7_22654709
chr2	2191674	2191674	+	7.227E-14	1.04041E-12	-0.23739	hypo	sig	chr2_2191674
chr15	23897804	23897804	+	7.23E-14	1.04074E-12	0.231366	hyper	sig	chr15_23897804
chr1	35577353	35577353	+	7.24E-14	1.04208E-12	0.248638	hyper	sig	chr1_35577353
chr21	33025554	33025554	+	7.242E-14	1.04244E-12	0.297063	hyper	sig	chr21_33025554
chr5	36692980	36692980	+	7.248E-14	1.04321E-12	0.207957	hyper	sig	chr5_36692980
chr19	2511703	2511703	+	7.251E-14	1.04371E-12	-0.22806	hypo	sig	chr19_2511703
chr20	60970775	60970775	+	7.264E-14	1.04551E-12	-0.23587	hypo	sig	chr20_60970775
chr3	50217904	50217904	+	7.293E-14	1.04963E-12	-0.23647	hypo	sig	chr3_50217904
chr16	56193840	56193840	+	7.301E-14	1.05065E-12	0.227706	hyper	sig	chr16_56193840
chr17	5100929	5100929	+	7.31E-14	1.05189E-12	-0.21905	hypo	sig	chr17_5100929
chr6	37649370	37649370	+	7.315E-14	1.05261E-12	0.221862	hyper	sig	chr6_37649370
chr8	64370800	64370800	+	7.334E-14	1.05521E-12	0.238758	hyper	sig	chr8_64370800
chr1	2170145	2170145	+	7.335E-14	1.05524E-12	-0.23331	hypo	sig	chr1_2170145
chr16	79589696	79589696	+	7.337E-14	1.05555E-12	0.244934	hyper	sig	chr16_79589696
chr16	1443305	1443305	+	7.362E-14	1.05914E-12	-0.20792	hypo	sig	chr16_1443305
chr3	1.97E+08	196658640	+	7.369E-14	1.06009E-12	-0.2786	hypo	sig	chr3_196658640
chr17	49965699	49965699	+	7.409E-14	1.0656E-12	0.249015	hyper	sig	chr17_49965699
chr6	10417161	10417161	+	7.413E-14	1.06612E-12	0.21792	hyper	sig	chr6_10417161
chr22	29480943	29480943	+	7.419E-14	1.06694E-12	0.231875	hyper	sig	chr22_29480943
chr16	1010558	1010558	+	7.43E-14	1.0683E-12	0.220496	hyper	sig	chr16_1010558
chr19	39515547	39515547	+	7.443E-14	1.07016E-12	0.272859	hyper	sig	chr19_39515547
chr10	7162157	7162157	+	7.446E-14	1.07049E-12	-0.27055	hypo	sig	chr10_7162157
chr1	2.21E+08	220877367	+	7.448E-14	1.07079E-12	0.201323	hyper	sig	chr1_220877367
chr2	70141645	70141645	+	7.452E-14	1.07142E-12	-0.22963	hypo	sig	chr2_70141645
chr1	3433902	3433902	+	7.456E-14	1.07197E-12	-0.22509	hypo	sig	chr1_3433902
chr20	38677068	38677068	+	7.464E-14	1.07296E-12	-0.24895	hypo	sig	chr20_38677068
chr2	1.19E+08	118838844	+	7.473E-14	1.07426E-12	-0.24312	hypo	sig	chr2_118838844
chr20	844023	844023	+	7.481E-14	1.07526E-12	-0.21355	hypo	sig	chr20_844023
chr13	25171346	25171346	+	7.498E-14	1.07774E-12	0.310752	hyper	sig	chr13_25171346
chr3	1.82E+08	181703957	+	7.501E-14	1.07809E-12	0.20059	hyper	sig	chr3_181703957
chr1	50048040	50048040	+	7.526E-14	1.08146E-12	0.228241	hyper	sig	chr1_50048040
chr19	52370282	52370282	+	7.531E-14	1.08213E-12	0.210114	hyper	sig	chr19_52370282

chr3	1.7E+08	169666627	+	7.534E-14	1.08262E-12	0.212059	hyper	sig	chr3_169666627
chr20	63177391	63177391	+	7.543E-14	1.08378E-12	0.202551	hyper	sig	chr20_63177391
chr1	3543545	3543545	+	7.602E-14	1.0921E-12	-0.22757	hypo	sig	chr1_3543545
chr15	89415319	89415319	+	7.61E-14	1.09326E-12	-0.21203	hypo	sig	chr15_89415319
chr15	45111918	45111918	+	7.612E-14	1.09351E-12	0.257157	hyper	sig	chr15_45111918
chr8	1.44E+08	144336071	+	7.623E-14	1.09515E-12	0.259009	hyper	sig	chr8_144336071
chr15	59995897	59995897	+	7.628E-14	1.09578E-12	0.221803	hyper	sig	chr15_59995897
chr1	1648390	1648390	+	7.645E-14	1.09814E-12	-0.22914	hypo	sig	chr1_1648390
chr16	85098823	85098823	+	7.664E-14	1.10072E-12	-0.20634	hypo	sig	chr16_85098823
chr8	1.44E+08	143977689	+	7.665E-14	1.1009E-12	0.240973	hyper	sig	chr8_143977689
chr6	32047988	32047988	+	7.667E-14	1.10117E-12	-0.24114	hypo	sig	chr6_32047988
chr16	29614756	29614756	+	7.674E-14	1.10204E-12	-0.20853	hypo	sig	chr16_29614756
chr11	63631057	63631057	+	7.682E-14	1.10313E-12	-0.21763	hypo	sig	chr11_63631057
chr1	27233559	27233559	+	7.692E-14	1.10451E-12	-0.21404	hypo	sig	chr1_27233559
chr7	30678338	30678338	+	7.709E-14	1.10689E-12	-0.24571	hypo	sig	chr7_30678338
chr3	1.82E+08	181724357	+	7.724E-14	1.10894E-12	0.270021	hyper	sig	chr3_181724357
chr20	63415080	63415080	+	7.736E-14	1.1107E-12	-0.23167	hypo	sig	chr20_63415080
chr15	93064005	93064005	+	7.741E-14	1.11132E-12	-0.21087	hypo	sig	chr15_93064005
chr7	76150529	76150529	+	7.742E-14	1.11151E-12	0.208235	hyper	sig	chr7_76150529
chr1	1.44E+08	143764694	+	7.746E-14	1.11199E-12	-0.26539	hypo	sig	chr1_143764694
chr10	77629561	77629561	+	7.756E-14	1.11342E-12	-0.22878	hypo	sig	chr10_77629561
chr19	53058720	53058720	+	7.801E-14	1.11975E-12	0.259516	hyper	sig	chr19_53058720
chr8	26040254	26040254	+	7.807E-14	1.12066E-12	0.220887	hyper	sig	chr8_26040254
chr8	11679516	11679516	+	7.81E-14	1.121E-12	0.219704	hyper	sig	chr8_11679516
chr15	77630384	77630384	+	7.819E-14	1.12229E-12	-0.23343	hypo	sig	chr15_77630384
chr4	1.13E+08	112511427	+	7.827E-14	1.12334E-12	0.204384	hyper	sig	chr4_112511427
chr19	45472598	45472598	+	7.829E-14	1.12359E-12	0.234616	hyper	sig	chr19_45472598
chr8	32647689	32647689	+	7.832E-14	1.12407E-12	-0.22526	hypo	sig	chr8_32647689
chr13	99997531	99997531	+	7.845E-14	1.12576E-12	0.22169	hyper	sig	chr13_99997531
chr3	43996228	43996228	+	7.858E-14	1.12766E-12	0.223626	hyper	sig	chr3_43996228
chr3	1.98E+08	197520055	+	7.862E-14	1.12813E-12	-0.28334	hypo	sig	chr3_197520055
chr20	1000944	1000944	+	7.868E-14	1.12895E-12	-0.2018	hypo	sig	chr20_1000944
chr1	90834695	90834695	+	7.871E-14	1.1294E-12	0.200902	hyper	sig	chr1_90834695
chr6	1.68E+08	168001924	+	7.882E-14	1.13085E-12	-0.20438	hypo	sig	chr6_168001924
chr20	63177407	63177407	+	7.886E-14	1.13138E-12	0.213943	hyper	sig	chr20_63177407
chr19	50695689	50695689	+	7.892E-14	1.13221E-12	0.209045	hyper	sig	chr19_50695689
chr20	63962361	63962361	+	7.901E-14	1.13342E-12	-0.22349	hypo	sig	chr20_63962361
chr5	1.81E+08	181174248	+	7.909E-14	1.13452E-12	0.245231	hyper	sig	chr5_181174248
chr9	1.36E+08	135590892	+	7.921E-14	1.13615E-12	-0.27852	hypo	sig	chr9_135590892
chr17	6435138	6435138	+	7.922E-14	1.13634E-12	-0.23544	hypo	sig	chr17_6435138
chr20	62774262	62774262	+	7.923E-14	1.13647E-12	-0.20367	hypo	sig	chr20_62774262
chr1	1.57E+08	156845482	+	7.93E-14	1.13743E-12	0.202372	hyper	sig	chr1_156845482
chr5	16180181	16180181	+	7.983E-14	1.14468E-12	0.207641	hyper	sig	chr5_16180181
chr1	1.09E+08	109112609	+	7.988E-14	1.1453E-12	-0.21722	hypo	sig	chr1_109112609
chr1	50416349	50416349	+	7.988E-14	1.14535E-12	0.268942	hyper	sig	chr1_50416349
chr19	57583701	57583701	+	7.988E-14	1.14535E-12	0.258889	hyper	sig	chr19_57583701
chr1	2.08E+08	207910763	+	7.993E-14	1.14596E-12	0.220579	hyper	sig	chr1_207910763
chr7	35259053	35259053	+	8.016E-14	1.14923E-12	0.211069	hyper	sig	chr7_35259053
chr12	1.3E+08	130456554	+	8.018E-14	1.14947E-12	-0.20015	hypo	sig	chr12_130456554
chr14	37622275	37622275	+	8.019E-14	1.14966E-12	0.227543	hyper	sig	chr14_37622275
chr13	78594271	78594271	+	8.084E-14	1.15871E-12	0.239648	hyper	sig	chr13_78594271
chr20	659548	659548	+	8.094E-14	1.16015E-12	-0.23735	hypo	sig	chr20_659548
chr16	11233313	11233313	+	8.102E-14	1.16118E-12	0.204343	hyper	sig	chr16_11233313
chr6	10385242	10385242	+	8.108E-14	1.16199E-12	0.214469	hyper	sig	chr6_10385242
chr9	33524843	33524843	+	8.109E-14	1.16219E-12	0.201769	hyper	sig	chr9_33524843
chr3	1.72E+08	172448109	+	8.114E-14	1.16282E-12	0.273887	hyper	sig	chr3_172448109

chr20	56924537	56924537	+	8.116E-14	1.16309E-12	0.201486	hyper	sig	chr20_56924537
chr7	1.01E+08	101299855	+	8.131E-14	1.16518E-12	0.253973	hyper	sig	chr7_101299855
chr9	1.32E+08	132155322	+	8.141E-14	1.16652E-12	-0.25804	hypo	sig	chr9_132155322
chr1	6003988	6003988	+	8.143E-14	1.16676E-12	-0.26409	hypo	sig	chr1_6003988
chr19	57708826	57708826	+	8.159E-14	1.16904E-12	0.366789	hyper	sig	chr19_57708826
chr12	68198802	68198802	+	8.167E-14	1.17011E-12	-0.28662	hypo	sig	chr12_68198802
chr6	36659706	36659706	+	8.173E-14	1.17088E-12	-0.22071	hypo	sig	chr6_36659706
chr4	1.04E+08	103719285	+	8.178E-14	1.17156E-12	0.200497	hyper	sig	chr4_103719285
chr9	6644666	6644666	+	8.183E-14	1.17227E-12	0.201028	hyper	sig	chr9_6644666
chr22	46077759	46077759	+	8.194E-14	1.17384E-12	-0.24026	hypo	sig	chr22_46077759
chr2	2.06E+08	206444177	+	8.204E-14	1.17517E-12	0.213595	hyper	sig	chr2_206444177
chr6	1.68E+08	168150600	+	8.209E-14	1.17584E-12	-0.22558	hypo	sig	chr6_168150600
chr15	52794583	52794583	+	8.213E-14	1.17642E-12	0.202016	hyper	sig	chr15_52794583
chr8	23709246	23709246	+	8.215E-14	1.17672E-12	0.204834	hyper	sig	chr8_23709246
chr11	7252966	7252966	+	8.228E-14	1.17844E-12	0.224805	hyper	sig	chr11_7252966
chr10	23174086	23174086	+	8.252E-14	1.1818E-12	0.208256	hyper	sig	chr10_23174086
chr2	38073762	38073762	+	8.256E-14	1.18226E-12	0.218398	hyper	sig	chr2_38073762
chr3	1.07E+08	107429534	+	8.277E-14	1.18523E-12	0.203493	hyper	sig	chr3_107429534
chr1	1930236	1930236	+	8.287E-14	1.18665E-12	-0.21311	hypo	sig	chr1_1930236
chr17	48722075	48722075	+	8.29E-14	1.18711E-12	0.294772	hyper	sig	chr17_48722075
chr19	51034117	51034117	+	8.292E-14	1.18731E-12	-0.26343	hypo	sig	chr19_51034117
chr1	1.44E+08	143651545	+	8.296E-14	1.18783E-12	0.214876	hyper	sig	chr1_143651545
chr11	43577777	43577777	+	8.346E-14	1.1948E-12	0.231125	hyper	sig	chr11_43577777
chr1	1.56E+08	156161441	+	8.355E-14	1.19614E-12	0.240553	hyper	sig	chr1_156161441
chr11	9005273	9005273	+	8.37E-14	1.1981E-12	-0.21237	hypo	sig	chr11_9005273
chr9	1.22E+08	122347727	+	8.373E-14	1.19853E-12	-0.21692	hypo	sig	chr9_122347727
chr1	2.43E+08	243483016	+	8.375E-14	1.1988E-12	0.213674	hyper	sig	chr1_243483016
chr6	26743093	26743093	+	8.411E-14	1.20386E-12	0.280617	hyper	sig	chr6_26743093
chr19	58204339	58204339	+	8.412E-14	1.20398E-12	0.234733	hyper	sig	chr19_58204339
chr4	1.66E+08	165874141	+	8.416E-14	1.20451E-12	0.202433	hyper	sig	chr4_165874141
chr6	1.06E+08	106135279	+	8.431E-14	1.20665E-12	-0.21084	hypo	sig	chr6_106135279
chr20	61954702	61954702	+	8.436E-14	1.20724E-12	-0.26772	hypo	sig	chr20_61954702
chr22	31140445	31140445	+	8.449E-14	1.20898E-12	-0.20927	hypo	sig	chr22_31140445
chr19	50728488	50728488	+	8.464E-14	1.21101E-12	0.253321	hyper	sig	chr19_50728488
chr20	63038181	63038181	+	8.513E-14	1.21784E-12	-0.24735	hypo	sig	chr20_63038181
chr9	97855088	97855088	+	8.548E-14	1.22263E-12	0.278473	hyper	sig	chr9_97855088
chr17	65549531	65549531	+	8.558E-14	1.22414E-12	-0.25604	hypo	sig	chr17_65549531
chr9	1.37E+08	136986046	+	8.606E-14	1.23063E-12	0.233306	hyper	sig	chr9_136986046
chr3	62379118	62379118	+	8.67E-14	1.23959E-12	0.208198	hyper	sig	chr3_62379118
chr3	1.41E+08	141067279	+	8.678E-14	1.24069E-12	-0.23319	hypo	sig	chr3_141067279
chr2	86809817	86809817	+	8.681E-14	1.24107E-12	0.253721	hyper	sig	chr2_86809817
chr1	1.76E+08	175599283	+	8.69E-14	1.24227E-12	0.225018	hyper	sig	chr1_175599283
chr16	30821448	30821448	+	8.69E-14	1.24227E-12	-0.2249	hypo	sig	chr16_30821448
chr4	1.83E+08	182801883	+	8.692E-14	1.24249E-12	-0.21622	hypo	sig	chr4_182801883
chr17	81381487	81381487	+	8.706E-14	1.24456E-12	-0.22079	hypo	sig	chr17_81381487
chr17	81153717	81153717	+	8.728E-14	1.24751E-12	-0.20721	hypo	sig	chr17_81153717
chr5	36693049	36693049	+	8.729E-14	1.24758E-12	0.203135	hyper	sig	chr5_36693049
chr19	57560227	57560227	+	8.741E-14	1.24919E-12	0.274468	hyper	sig	chr19_57560227
chr20	64058807	64058807	+	8.747E-14	1.25005E-12	-0.20473	hypo	sig	chr20_64058807
chr2	89612020	89612020	+	8.75E-14	1.25043E-12	0.254251	hyper	sig	chr2_89612020
chr19	10031469	10031469	+	8.755E-14	1.25108E-12	-0.23063	hypo	sig	chr19_10031469
chr20	46513244	46513244	+	8.769E-14	1.25299E-12	0.204003	hyper	sig	chr20_46513244
chr6	26743176	26743176	+	8.779E-14	1.25433E-12	0.273782	hyper	sig	chr6_26743176
chr11	31802689	31802689	+	8.79E-14	1.25584E-12	0.245462	hyper	sig	chr11_31802689
chr13	83879761	83879761	+	8.797E-14	1.25671E-12	0.2127	hyper	sig	chr13_83879761
chr1	20552249	20552249	+	8.799E-14	1.25706E-12	0.266975	hyper	sig	chr1_20552249

chr5	1.71E+08	171307872	+	8.811E-14	1.25872E-12	0.230897	hyper	sig	chr5_171307872
chr1	1.45E+08	144552175	+	8.811E-14	1.25875E-12	0.243832	hyper	sig	chr1_144552175
chr4	4864320	4864320	+	8.823E-14	1.26041E-12	0.216686	hyper	sig	chr4_4864320
chr1	3349155	3349155	+	8.835E-14	1.26204E-12	-0.2048	hypo	sig	chr1_3349155
chr4	574522	574522	+	8.841E-14	1.26289E-12	0.225963	hyper	sig	chr4_574522
chr19	42424974	42424974	+	8.872E-14	1.26712E-12	-0.22419	hypo	sig	chr19_42424974
chr5	1.42E+08	141512805	+	8.88E-14	1.26822E-12	0.246875	hyper	sig	chr5_141512805
chr10	1.32E+08	132373463	+	8.893E-14	1.26998E-12	-0.23562	hypo	sig	chr10_132373463
chr8	57143523	57143523	+	8.897E-14	1.27045E-12	0.206062	hyper	sig	chr8_57143523
chr16	10182918	10182918	+	8.897E-14	1.2705E-12	0.203863	hyper	sig	chr16_10182918
chr5	1.79E+08	178940548	+	8.905E-14	1.27156E-12	0.229276	hyper	sig	chr5_178940548
chr17	8327489	8327489	+	8.913E-14	1.27265E-12	0.257566	hyper	sig	chr17_8327489
chr1	1.97E+08	196878047	+	8.931E-14	1.27507E-12	0.220132	hyper	sig	chr1_196878047
chr11	94909829	94909829	+	8.951E-14	1.27789E-12	-0.27161	hypo	sig	chr11_94909829
chr1	1.58E+08	158181641	+	8.965E-14	1.27975E-12	0.211839	hyper	sig	chr1_158181641
chr11	59556036	59556036	+	8.979E-14	1.28173E-12	0.207633	hyper	sig	chr11_59556036
chr8	1.45E+08	144699848	+	8.993E-14	1.28365E-12	0.211265	hyper	sig	chr8_144699848
chr16	75116982	75116982	+	9.015E-14	1.28674E-12	-0.20397	hypo	sig	chr16_75116982
chr15	1E+08	100373671	+	9.041E-14	1.29047E-12	0.223665	hyper	sig	chr15_100373671
chr2	73291111	73291111	+	9.043E-14	1.29062E-12	0.221659	hyper	sig	chr2_73291111
chr17	80178725	80178725	+	9.046E-14	1.29107E-12	-0.22042	hypo	sig	chr17_80178725
chr3	9552467	9552467	+	9.048E-14	1.29134E-12	0.201346	hyper	sig	chr3_9552467
chr16	83949064	83949064	+	9.079E-14	1.29569E-12	-0.23181	hypo	sig	chr16_83949064
chr18	23434057	23434057	+	9.101E-14	1.29866E-12	-0.2763	hypo	sig	chr18_23434057
chr16	88101188	88101188	+	9.107E-14	1.2995E-12	0.23738	hyper	sig	chr16_88101188
chr14	1.04E+08	104155087	+	9.109E-14	1.29974E-12	-0.22571	hypo	sig	chr14_104155087
chr15	95327060	95327060	+	9.132E-14	1.30283E-12	0.224667	hyper	sig	chr15_95327060
chr20	38726637	38726637	+	9.155E-14	1.30609E-12	0.263101	hyper	sig	chr20_38726637
chr20	51023505	51023505	+	9.16E-14	1.30678E-12	0.249731	hyper	sig	chr20_51023505
chr15	95327092	95327092	+	9.168E-14	1.30792E-12	0.20162	hyper	sig	chr15_95327092
chr3	1.34E+08	133778719	+	9.169E-14	1.30795E-12	-0.2046	hypo	sig	chr3_133778719
chr22	38865654	38865654	+	9.17E-14	1.30814E-12	-0.24143	hypo	sig	chr22_38865654
chr2	1.82E+08	181681809	+	9.199E-14	1.31211E-12	0.266895	hyper	sig	chr2_181681809
chr20	38725122	38725122	+	9.199E-14	1.31215E-12	0.242851	hyper	sig	chr20_38725122
chr12	63151163	63151163	+	9.239E-14	1.31764E-12	0.261617	hyper	sig	chr12_63151163
chr17	74670531	74670531	+	9.249E-14	1.31894E-12	-0.20657	hypo	sig	chr17_74670531
chr6	28635944	28635944	+	9.294E-14	1.32518E-12	0.218982	hyper	sig	chr6_28635944
chr13	1.11E+08	110921766	+	9.298E-14	1.32571E-12	-0.23011	hypo	sig	chr13_110921766
chr1	2.15E+08	215082229	+	9.335E-14	1.33073E-12	0.223024	hyper	sig	chr1_215082229
chr6	1.61E+08	160679363	+	9.351E-14	1.33299E-12	0.287548	hyper	sig	chr6_160679363
chr14	28785862	28785862	+	9.352E-14	1.33311E-12	0.212568	hyper	sig	chr14_28785862
chr6	50846058	50846058	+	9.356E-14	1.33363E-12	0.246611	hyper	sig	chr6_50846058
chr11	17743994	17743994	+	9.358E-14	1.33388E-12	-0.232	hypo	sig	chr11_17743994
chr6	41164085	41164085	+	9.36E-14	1.33411E-12	-0.22053	hypo	sig	chr6_41164085
chr20	46030332	46030332	+	9.361E-14	1.33423E-12	0.256868	hyper	sig	chr20_46030332
chr15	24848343	24848343	+	9.366E-14	1.33488E-12	0.242313	hyper	sig	chr15_24848343
chr7	43112623	43112623	+	9.384E-14	1.3375E-12	0.233967	hyper	sig	chr7_43112623
chr20	3707667	3707667	+	9.413E-14	1.34152E-12	-0.20053	hypo	sig	chr20_3707667
chr1	1.44E+08	143651565	+	9.417E-14	1.34194E-12	0.205212	hyper	sig	chr1_143651565
chr1	2.47E+08	246606542	+	9.45E-14	1.34646E-12	-0.28472	hypo	sig	chr1_246606542
chr3	1.82E+08	181724417	+	9.46E-14	1.34788E-12	0.304793	hyper	sig	chr3_181724417
chr15	31399011	31399011	+	9.482E-14	1.35084E-12	-0.22831	hypo	sig	chr15_31399011
chr19	18939141	18939141	+	9.484E-14	1.35116E-12	-0.21592	hypo	sig	chr19_18939141
chr12	1.14E+08	114407418	+	9.519E-14	1.3559E-12	0.232997	hyper	sig	chr12_114407418
chr7	98865905	98865905	+	9.525E-14	1.35676E-12	-0.29516	hypo	sig	chr7_98865905
chr1	1.1E+08	109636527	+	9.553E-14	1.36057E-12	-0.22772	hypo	sig	chr1_109636527

chr19	57888580	57888580	+	9.574E-14	1.36349E-12	0.201278	hyper	sig	chr19_57888580
chr8	64382031	64382031	+	9.577E-14	1.36384E-12	0.22512	hyper	sig	chr8_64382031
chr14	95449883	95449883	+	9.587E-14	1.36529E-12	-0.2134	hypo	sig	chr14_95449883
chr17	82795688	82795688	+	9.595E-14	1.36634E-12	-0.21317	hypo	sig	chr17_82795688
chr19	45804941	45804941	+	9.595E-14	1.36639E-12	-0.22956	hypo	sig	chr19_45804941
chr1	3577657	3577657	+	9.632E-14	1.37138E-12	-0.22615	hypo	sig	chr1_3577657
chr10	1.33E+08	133047529	+	9.643E-14	1.37291E-12	-0.20455	hypo	sig	chr10_133047529
chr2	1.27E+08	126656777	+	9.648E-14	1.37357E-12	0.228642	hyper	sig	chr2_126656777
chr21	45745523	45745523	+	9.661E-14	1.3754E-12	-0.2007	hypo	sig	chr21_45745523
chr10	31940986	31940986	+	9.672E-14	1.37691E-12	-0.24953	hypo	sig	chr10_31940986
chr22	18973634	18973634	+	9.676E-14	1.37745E-12	-0.20736	hypo	sig	chr22_18973634
chr8	48870619	48870619	+	9.706E-14	1.38158E-12	0.260017	hyper	sig	chr8_48870619
chr5	1.41E+08	141390083	+	9.72E-14	1.38356E-12	0.222119	hyper	sig	chr5_141390083
chr5	1.41E+08	141051377	+	9.731E-14	1.38504E-12	0.203811	hyper	sig	chr5_141051377
chr17	42185393	42185393	+	9.758E-14	1.38868E-12	-0.21861	hypo	sig	chr17_42185393
chr11	46295924	46295924	+	9.765E-14	1.3897E-12	0.27542	hyper	sig	chr11_46295924
chr11	94767446	94767446	+	9.765E-14	1.38971E-12	-0.2205	hypo	sig	chr11_94767446
chr13	94704043	94704043	+	9.78E-14	1.39172E-12	0.270883	hyper	sig	chr13_94704043
chr20	64056973	64056973	+	9.813E-14	1.39617E-12	-0.23299	hypo	sig	chr20_64056973
chr12	54107042	54107042	+	9.833E-14	1.39891E-12	0.270477	hyper	sig	chr12_54107042
chr17	31722573	31722573	+	9.848E-14	1.40092E-12	-0.26158	hypo	sig	chr17_31722573
chr14	94908256	94908256	+	9.861E-14	1.40282E-12	-0.21788	hypo	sig	chr14_94908256
chr11	737946	737946	+	9.883E-14	1.40576E-12	-0.23442	hypo	sig	chr11_737946
chr22	40679640	40679640	+	9.895E-14	1.4074E-12	0.238705	hyper	sig	chr22_40679640
chr19	28727213	28727213	+	9.918E-14	1.41071E-12	0.228672	hyper	sig	chr19_28727213
chr15	69035864	69035864	+	9.93E-14	1.41236E-12	-0.22274	hypo	sig	chr15_69035864
chr6	96016000	96016000	+	9.933E-14	1.41277E-12	0.259065	hyper	sig	chr6_96016000
chr1	3566217	3566217	+	9.938E-14	1.41342E-12	-0.22579	hypo	sig	chr1_3566217
chr3	22372209	22372209	+	9.94E-14	1.41358E-12	0.253202	hyper	sig	chr3_22372209
chr4	41881169	41881169	+	9.967E-14	1.41739E-12	0.203022	hyper	sig	chr4_41881169
chr19	35302590	35302590	+	9.97E-14	1.41767E-12	-0.23558	hypo	sig	chr19_35302590
chr18	48408165	48408165	+	9.988E-14	1.42019E-12	0.237929	hyper	sig	chr18_48408165
chr19	15457784	15457784	+	1.002E-13	1.42403E-12	0.202738	hyper	sig	chr19_15457784
chr5	76954513	76954513	+	1.002E-13	1.42521E-12	0.235642	hyper	sig	chr5_76954513
chr2	98937367	98937367	+	1.003E-13	1.42545E-12	0.246046	hyper	sig	chr2_98937367
chr5	1.46E+08	146334336	+	1.004E-13	1.4269E-12	0.230013	hyper	sig	chr5_146334336
chr18	58863070	58863070	+	1.007E-13	1.43115E-12	-0.2067	hypo	sig	chr18_58863070
chr2	2.28E+08	228181825	+	1.008E-13	1.43232E-12	0.240578	hyper	sig	chr2_228181825
chr5	1.77E+08	177328448	+	1.009E-13	1.4335E-12	-0.20715	hypo	sig	chr5_177328448
chr17	48720351	48720351	+	1.01E-13	1.43574E-12	0.264626	hyper	sig	chr17_48720351
chr12	1.11E+08	111308206	+	1.01E-13	1.43605E-12	-0.26407	hypo	sig	chr12_111308206
chr15	25203308	25203308	+	1.011E-13	1.4366E-12	-0.20702	hypo	sig	chr15_25203308
chr10	1.34E+08	133528021	+	1.014E-13	1.44062E-12	0.220579	hyper	sig	chr10_133528021
chr16	829133	829133	+	1.016E-13	1.44296E-12	-0.20778	hypo	sig	chr16_829133
chr6	62285566	62285566	+	1.017E-13	1.44433E-12	0.251128	hyper	sig	chr6_62285566
chr1	2.43E+08	242890522	+	1.017E-13	1.44529E-12	0.211877	hyper	sig	chr1_242890522
chr2	2.32E+08	232388082	+	1.02E-13	1.44839E-12	0.241634	hyper	sig	chr2_232388082
chr12	7872997	7872997	+	1.022E-13	1.45132E-12	0.202131	hyper	sig	chr12_7872997
chr8	13131724	13131724	+	1.025E-13	1.45555E-12	0.234048	hyper	sig	chr8_13131724
chr7	1.29E+08	128697724	+	1.027E-13	1.45852E-12	0.234439	hyper	sig	chr7_128697724
chr12	53973252	53973252	+	1.03E-13	1.46291E-12	0.225601	hyper	sig	chr12_53973252
chr19	3097572	3097572	+	1.03E-13	1.46293E-12	0.225311	hyper	sig	chr19_3097572
chr12	5033882	5033882	+	1.031E-13	1.46376E-12	-0.27455	hypo	sig	chr12_5033882
chr1	39490539	39490539	+	1.031E-13	1.46398E-12	-0.2006	hypo	sig	chr1_39490539
chr3	1.95E+08	194688141	+	1.033E-13	1.46618E-12	0.204171	hyper	sig	chr3_194688141
chr17	63873329	63873329	+	1.033E-13	1.46735E-12	-0.20432	hypo	sig	chr17_63873329

chr10	23173391	23173391	+	1.036E-13	1.47053E-12	0.250358	hyper	sig	chr10_23173391
chr16	11233159	11233159	+	1.037E-13	1.47169E-12	0.230642	hyper	sig	chr16_11233159
chr10	93075498	93075498	+	1.038E-13	1.47367E-12	0.303006	hyper	sig	chr10_93075498
chr5	93596127	93596127	+	1.039E-13	1.47516E-12	0.238445	hyper	sig	chr5_93596127
chr13	50127901	50127901	+	1.042E-13	1.47933E-12	0.260905	hyper	sig	chr13_50127901
chr19	52536126	52536126	+	1.044E-13	1.48103E-12	0.215191	hyper	sig	chr19_52536126
chr1	3413570	3413570	+	1.048E-13	1.48737E-12	-0.22646	hypo	sig	chr1_3413570
chr10	99531352	99531352	+	1.05E-13	1.49003E-12	0.201566	hyper	sig	chr10_99531352
chr16	3101142	3101142	+	1.055E-13	1.49721E-12	-0.20698	hypo	sig	chr16_3101142
chr15	96366541	96366541	+	1.057E-13	1.49945E-12	0.231413	hyper	sig	chr15_96366541
chr2	62232167	62232167	+	1.057E-13	1.50003E-12	-0.21083	hypo	sig	chr2_62232167
chr4	54094092	54094092	+	1.059E-13	1.50158E-12	0.25537	hyper	sig	chr4_54094092
chr4	20253055	20253055	+	1.066E-13	1.51246E-12	0.206466	hyper	sig	chr4_20253055
chr19	57317737	57317737	+	1.067E-13	1.51256E-12	0.241695	hyper	sig	chr19_57317737
chr13	21668770	21668770	+	1.067E-13	1.5128E-12	0.201314	hyper	sig	chr13_21668770
chr10	93065713	93065713	+	1.069E-13	1.51556E-12	0.20973	hyper	sig	chr10_93065713
chr13	1.12E+08	112455091	+	1.07E-13	1.51793E-12	-0.23692	hypo	sig	chr13_112455091
chr5	1.42E+08	141512727	+	1.071E-13	1.51834E-12	0.241227	hyper	sig	chr5_141512727
chr12	6555706	6555706	+	1.072E-13	1.52025E-12	0.234869	hyper	sig	chr12_6555706
chr5	1927091	1927091	+	1.073E-13	1.521E-12	-0.21194	hypo	sig	chr5_1927091
chr22	39570856	39570856	+	1.074E-13	1.52256E-12	-0.22078	hypo	sig	chr22_39570856
chr16	79589693	79589693	+	1.075E-13	1.52356E-12	0.254935	hyper	sig	chr16_79589693
chr13	26050349	26050349	+	1.076E-13	1.52556E-12	0.247788	hyper	sig	chr13_26050349
chr19	35449954	35449954	+	1.078E-13	1.52775E-12	-0.20612	hypo	sig	chr19_35449954
chr2	1.92E+08	192195536	+	1.078E-13	1.52811E-12	0.229903	hyper	sig	chr2_192195536
chr13	23904451	23904451	+	1.08E-13	1.5315E-12	-0.24366	hypo	sig	chr13_23904451
chr1	11791239	11791239	+	1.081E-13	1.53222E-12	-0.20011	hypo	sig	chr1_11791239
chr17	77541439	77541439	+	1.083E-13	1.53581E-12	-0.21507	hypo	sig	chr17_77541439
chr7	44327649	44327649	+	1.086E-13	1.53911E-12	-0.23189	hypo	sig	chr7_44327649
chr7	30136526	30136526	+	1.088E-13	1.54148E-12	0.244668	hyper	sig	chr7_30136526
chr1	10828509	10828509	+	1.088E-13	1.54148E-12	-0.21495	hypo	sig	chr1_10828509
chr3	1.71E+08	170584902	+	1.089E-13	1.54354E-12	0.221108	hyper	sig	chr3_170584902
chr2	54675972	54675972	+	1.089E-13	1.54383E-12	-0.26717	hypo	sig	chr2_54675972
chr8	1E+08	100105839	+	1.089E-13	1.5439E-12	0.217146	hyper	sig	chr8_100105839
chr11	65047744	65047744	+	1.095E-13	1.55139E-12	0.202227	hyper	sig	chr11_65047744
chr2	2.13E+08	212537011	+	1.096E-13	1.55326E-12	0.261799	hyper	sig	chr2_212537011
chr9	118038	118038	+	1.098E-13	1.55611E-12	0.330226	hyper	sig	chr9_118038
chr18	12911591	12911591	+	1.101E-13	1.55921E-12	0.24047	hyper	sig	chr18_12911591
chr10	44293439	44293439	+	1.105E-13	1.56485E-12	0.206137	hyper	sig	chr10_44293439
chr1	1.97E+08	196878029	+	1.11E-13	1.57288E-12	0.211955	hyper	sig	chr1_196878029
chr21	45642651	45642651	+	1.111E-13	1.57379E-12	0.272225	hyper	sig	chr21_45642651
chr7	530209	530209	+	1.116E-13	1.58017E-12	-0.2425	hypo	sig	chr7_530209
chr1	2.23E+08	222619212	+	1.116E-13	1.58126E-12	-0.22063	hypo	sig	chr1_222619212
chr16	63617593	63617593	+	1.118E-13	1.58267E-12	0.294786	hyper	sig	chr16_63617593
chr15	1E+08	100373758	+	1.121E-13	1.58699E-12	0.273477	hyper	sig	chr15_100373758
chr5	1.79E+08	179060845	+	1.122E-13	1.58831E-12	0.207547	hyper	sig	chr5_179060845
chr13	52487567	52487567	+	1.126E-13	1.59446E-12	-0.2594	hypo	sig	chr13_52487567
chr1	12129731	12129731	+	1.127E-13	1.5958E-12	-0.20491	hypo	sig	chr1_12129731
chr9	1.37E+08	137165757	+	1.13E-13	1.5996E-12	-0.23222	hypo	sig	chr9_137165757
chr5	1.41E+08	141492005	+	1.13E-13	1.59971E-12	0.248349	hyper	sig	chr5_141492005
chr17	80178085	80178085	+	1.131E-13	1.60161E-12	-0.31651	hypo	sig	chr17_80178085
chr16	29262167	29262167	+	1.133E-13	1.60326E-12	-0.2001	hypo	sig	chr16_29262167
chr17	48722077	48722077	+	1.133E-13	1.60341E-12	0.290457	hyper	sig	chr17_48722077
chr3	44585233	44585233	+	1.134E-13	1.60522E-12	0.204227	hyper	sig	chr3_44585233
chr19	45940487	45940487	+	1.136E-13	1.60699E-12	0.256201	hyper	sig	chr19_45940487
chr17	80353068	80353068	+	1.136E-13	1.60741E-12	-0.22373	hypo	sig	chr17_80353068

chr8	26190929	26190929	+	1.14E-13	1.61288E-12	-0.22204	hypo	sig	chr8_26190929
chr16	1991485	1991485	+	1.144E-13	1.61812E-12	0.232595	hyper	sig	chr16_1991485
chr12	1.33E+08	132977091	+	1.146E-13	1.62143E-12	0.241106	hyper	sig	chr12_132977091
chr11	8030989	8030989	+	1.147E-13	1.62239E-12	-0.26213	hypo	sig	chr11_8030989
chr11	22432833	22432833	+	1.147E-13	1.62324E-12	0.262828	hyper	sig	chr11_22432833
chr13	25095985	25095985	+	1.15E-13	1.62694E-12	0.2095	hyper	sig	chr13_25095985
chr7	1.3E+08	130491018	+	1.15E-13	1.62734E-12	0.257704	hyper	sig	chr7_130491018
chr15	52783394	52783394	+	1.151E-13	1.62841E-12	0.208637	hyper	sig	chr15_52783394
chr7	1.5E+08	149821694	+	1.154E-13	1.63213E-12	-0.2268	hypo	sig	chr7_149821694
chr1	90719408	90719408	+	1.156E-13	1.63475E-12	0.205678	hyper	sig	chr1_90719408
chr12	54107048	54107048	+	1.161E-13	1.64248E-12	0.277095	hyper	sig	chr12_54107048
chr22	19524698	19524698	+	1.164E-13	1.6464E-12	0.202326	hyper	sig	chr22_19524698
chr2	30230927	30230927	+	1.166E-13	1.64854E-12	0.282343	hyper	sig	chr2_30230927
chr2	2.07E+08	206642267	+	1.166E-13	1.6493E-12	0.247311	hyper	sig	chr2_206642267
chr16	89895570	89895570	+	1.167E-13	1.64977E-12	-0.22894	hypo	sig	chr16_89895570
chr9	14993635	14993635	+	1.167E-13	1.64977E-12	0.252321	hyper	sig	chr9_14993635
chr9	62800445	62800445	+	1.167E-13	1.64997E-12	0.268544	hyper	sig	chr9_62800445
chr2	291003	291003	+	1.17E-13	1.65415E-12	-0.23685	hypo	sig	chr2_291003
chr5	1208942	1208942	+	1.17E-13	1.65445E-12	-0.22015	hypo	sig	chr5_1208942
chr4	1.04E+08	103719270	+	1.171E-13	1.65578E-12	0.224646	hyper	sig	chr4_103719270
chr2	949795	949795	+	1.172E-13	1.65643E-12	0.224677	hyper	sig	chr2_949795
chr19	35350792	35350792	+	1.173E-13	1.65744E-12	-0.21979	hypo	sig	chr19_35350792
chr7	55449385	55449385	+	1.173E-13	1.65749E-12	0.212249	hyper	sig	chr7_55449385
chr10	23172651	23172651	+	1.173E-13	1.65766E-12	0.212551	hyper	sig	chr10_23172651
chr3	1.34E+08	133674249	+	1.174E-13	1.65938E-12	0.208641	hyper	sig	chr3_133674249
chr6	27291264	27291264	+	1.174E-13	1.65948E-12	0.207803	hyper	sig	chr6_27291264
chr19	8699903	8699903	+	1.175E-13	1.66083E-12	-0.2825	hypo	sig	chr19_8699903
chr12	62191673	62191673	+	1.175E-13	1.66129E-12	0.206405	hyper	sig	chr12_62191673
chr2	1.76E+08	176189508	+	1.177E-13	1.66282E-12	0.254509	hyper	sig	chr2_176189508
chr8	67952350	67952350	+	1.18E-13	1.66767E-12	0.20464	hyper	sig	chr8_67952350
chr8	21909732	21909732	+	1.181E-13	1.66945E-12	-0.25425	hypo	sig	chr8_21909732
chr6	6004760	6004760	+	1.182E-13	1.66962E-12	0.200916	hyper	sig	chr6_6004760
chr2	1.32E+08	131589292	+	1.185E-13	1.67451E-12	-0.24324	hypo	sig	chr2_131589292
chr14	41606194	41606194	+	1.185E-13	1.67478E-12	0.228915	hyper	sig	chr14_41606194
chr8	1.43E+08	142500138	+	1.186E-13	1.67563E-12	0.233354	hyper	sig	chr8_142500138
chr10	1.33E+08	132571932	+	1.189E-13	1.6798E-12	-0.23983	hypo	sig	chr10_132571932
chr1	1141059	1141059	+	1.19E-13	1.6804E-12	-0.23832	hypo	sig	chr1_1141059
chr5	42944355	42944355	+	1.192E-13	1.68313E-12	0.204528	hyper	sig	chr5_42944355
chr10	93063003	93063003	+	1.194E-13	1.68631E-12	0.204115	hyper	sig	chr10_93063003
chr3	1.93E+08	192515338	+	1.195E-13	1.68811E-12	0.205324	hyper	sig	chr3_192515338
chr1	1.71E+08	170660446	+	1.196E-13	1.68871E-12	0.229647	hyper	sig	chr1_170660446
chr16	55324143	55324143	+	1.196E-13	1.68918E-12	0.250214	hyper	sig	chr16_55324143
chr4	6329568	6329568	+	1.197E-13	1.69019E-12	-0.21824	hypo	sig	chr4_6329568
chr11	69116287	69116287	+	1.199E-13	1.6926E-12	-0.21468	hypo	sig	chr11_69116287
chr20	58841863	58841863	+	1.199E-13	1.69282E-12	0.202264	hyper	sig	chr20_58841863
chr6	39322892	39322892	+	1.199E-13	1.69312E-12	-0.21445	hypo	sig	chr6_39322892
chr2	20107021	20107021	+	1.204E-13	1.69982E-12	0.216571	hyper	sig	chr2_20107021
chr14	53938634	53938634	+	1.205E-13	1.70112E-12	-0.22982	hypo	sig	chr14_53938634
chr13	1.13E+08	112651587	+	1.206E-13	1.7017E-12	-0.23085	hypo	sig	chr13_112651587
chr13	36346761	36346761	+	1.207E-13	1.70407E-12	0.227018	hyper	sig	chr13_36346761
chr16	31569668	31569668	+	1.211E-13	1.70927E-12	0.271013	hyper	sig	chr16_31569668
chr10	1.22E+08	121649399	+	1.212E-13	1.71119E-12	-0.20064	hypo	sig	chr10_121649399
chr3	1.82E+08	181724414	+	1.212E-13	1.71119E-12	0.278047	hyper	sig	chr3_181724414
chr1	1.83E+08	182952622	+	1.213E-13	1.71247E-12	0.275639	hyper	sig	chr1_182952622
chr10	31127816	31127816	+	1.215E-13	1.71464E-12	-0.22321	hypo	sig	chr10_31127816
chr13	26760254	26760254	+	1.218E-13	1.71809E-12	0.233198	hyper	sig	chr13_26760254

chr9	98944654	98944654	+	1.218E-13	1.71901E-12	0.210617	hyper	sig	chr9_98944654
chr13	23680251	23680251	+	1.219E-13	1.72022E-12	-0.21487	hypo	sig	chr13_23680251
chr11	1.23E+08	122976818	+	1.219E-13	1.72024E-12	0.246646	hyper	sig	chr11_122976818
chr6	71588591	71588591	+	1.22E-13	1.72095E-12	0.200376	hyper	sig	chr6_71588591
chr22	23437903	23437903	+	1.221E-13	1.72338E-12	-0.20805	hypo	sig	chr22_23437903
chr7	1645105	1645105	+	1.222E-13	1.72349E-12	-0.23487	hypo	sig	chr7_1645105
chr2	1.35E+08	134717858	+	1.223E-13	1.72549E-12	0.240723	hyper	sig	chr2_134717858
chr10	1.01E+08	100659462	+	1.223E-13	1.7257E-12	0.264144	hyper	sig	chr10_100659462
chr11	22433134	22433134	+	1.227E-13	1.73092E-12	0.235125	hyper	sig	chr11_22433134
chr9	94607522	94607522	+	1.228E-13	1.73251E-12	-0.22785	hypo	sig	chr9_94607522
chr10	1.33E+08	133164591	+	1.229E-13	1.73335E-12	-0.21969	hypo	sig	chr10_133164591
chr2	2.2E+08	219563619	+	1.23E-13	1.73468E-12	-0.21105	hypo	sig	chr2_219563619
chr22	36913528	36913528	+	1.23E-13	1.7351E-12	-0.26711	hypo	sig	chr22_36913528
chr11	72244614	72244614	+	1.233E-13	1.73863E-12	0.245323	hyper	sig	chr11_72244614
chr6	10881781	10881781	+	1.233E-13	1.73946E-12	0.216819	hyper	sig	chr6_10881781
chr12	56957407	56957407	+	1.234E-13	1.73991E-12	-0.23262	hypo	sig	chr12_56957407
chr13	1.12E+08	112092773	+	1.234E-13	1.73991E-12	-0.21887	hypo	sig	chr13_112092773
chr11	72674993	72674993	+	1.239E-13	1.74697E-12	-0.21297	hypo	sig	chr11_72674993
chr5	73301243	73301243	+	1.24E-13	1.74817E-12	0.20146	hyper	sig	chr5_73301243
chr1	1.02E+08	101996495	+	1.24E-13	1.74902E-12	0.222989	hyper	sig	chr1_101996495
chr19	49030026	49030026	+	1.242E-13	1.75062E-12	-0.23358	hypo	sig	chr19_49030026
chr19	49533825	49533825	+	1.242E-13	1.75091E-12	0.25162	hyper	sig	chr19_49533825
chr2	74148380	74148380	+	1.242E-13	1.75104E-12	0.240558	hyper	sig	chr2_74148380
chr5	1.69E+08	168529894	+	1.245E-13	1.75526E-12	0.21952	hyper	sig	chr5_168529894
chr2	1E+08	100106778	+	1.247E-13	1.75778E-12	-0.21022	hypo	sig	chr2_100106778
chr12	75208134	75208134	+	1.252E-13	1.76517E-12	0.26999	hyper	sig	chr12_75208134
chr5	73232420	73232420	+	1.253E-13	1.76608E-12	0.208003	hyper	sig	chr5_73232420
chr4	1.9E+08	190019092	+	1.254E-13	1.767E-12	0.222728	hyper	sig	chr4_190019092
chr6	27215106	27215106	+	1.256E-13	1.7704E-12	0.201077	hyper	sig	chr6_27215106
chr14	1.05E+08	104819687	+	1.257E-13	1.77142E-12	-0.25381	hypo	sig	chr14_104819687
chr7	1.01E+08	101269842	+	1.259E-13	1.77487E-12	-0.21167	hypo	sig	chr7_101269842
chr16	85142986	85142986	+	1.26E-13	1.77557E-12	-0.23121	hypo	sig	chr16_85142986
chr2	42102306	42102306	+	1.261E-13	1.77741E-12	0.257482	hyper	sig	chr2_42102306
chr17	40376019	40376019	+	1.265E-13	1.78182E-12	-0.26686	hypo	sig	chr17_40376019
chr8	1.43E+08	143389864	+	1.266E-13	1.78344E-12	-0.21735	hypo	sig	chr8_143389864
chr2	1715666	1715666	+	1.266E-13	1.78437E-12	-0.21689	hypo	sig	chr2_1715666
chr15	36880064	36880064	+	1.27E-13	1.78881E-12	0.215002	hyper	sig	chr15_36880064
chr4	1.54E+08	153760160	+	1.27E-13	1.78965E-12	0.248086	hyper	sig	chr4_153760160
chr22	39646601	39646601	+	1.272E-13	1.79133E-12	-0.2121	hypo	sig	chr22_39646601
chr19	15457789	15457789	+	1.273E-13	1.79275E-12	0.200447	hyper	sig	chr19_15457789
chr17	6995743	6995743	+	1.274E-13	1.794E-12	0.227781	hyper	sig	chr17_6995743
chr4	2430215	2430215	+	1.274E-13	1.79441E-12	-0.25025	hypo	sig	chr4_2430215
chr4	1502927	1502927	+	1.276E-13	1.7973E-12	-0.21172	hypo	sig	chr4_1502927
chr6	72182371	72182371	+	1.276E-13	1.79756E-12	0.28701	hyper	sig	chr6_72182371
chr8	1.43E+08	142563740	+	1.276E-13	1.79771E-12	-0.21854	hypo	sig	chr8_142563740
chr12	96490028	96490028	+	1.281E-13	1.80395E-12	0.2668	hyper	sig	chr12_96490028
chr3	36380927	36380927	+	1.282E-13	1.80516E-12	0.22645	hyper	sig	chr3_36380927
chr11	1443597	1443597	+	1.282E-13	1.80549E-12	-0.22067	hypo	sig	chr11_1443597
chr5	1.41E+08	141410317	+	1.286E-13	1.81105E-12	0.212848	hyper	sig	chr5_141410317
chr8	98947600	98947600	+	1.29E-13	1.81656E-12	0.255707	hyper	sig	chr8_98947600
chr19	36604834	36604834	+	1.292E-13	1.81965E-12	0.259734	hyper	sig	chr19_36604834
chr5	88678195	88678195	+	1.293E-13	1.82092E-12	0.20337	hyper	sig	chr5_88678195
chr1	2.07E+08	206504386	+	1.295E-13	1.82349E-12	-0.2146	hypo	sig	chr1_206504386
chr5	1.17E+08	116576674	+	1.296E-13	1.82375E-12	0.206044	hyper	sig	chr5_116576674
chr1	50420795	50420795	+	1.297E-13	1.82616E-12	0.216989	hyper	sig	chr1_50420795
chr2	2.13E+08	212536712	+	1.299E-13	1.82829E-12	0.21985	hyper	sig	chr2_212536712

chr6	32083170	32083170	+	1.301E-13	1.83085E-12	-0.24369	hypo	sig	chr6_32083170
chr3	1.2E+08	120285420	+	1.302E-13	1.83239E-12	0.21597	hyper	sig	chr3_120285420
chr13	24149126	24149126	+	1.304E-13	1.83449E-12	-0.28448	hypo	sig	chr13_24149126
chr1	39684053	39684053	+	1.304E-13	1.83463E-12	0.232652	hyper	sig	chr1_39684053
chr7	55449213	55449213	+	1.304E-13	1.83511E-12	0.213974	hyper	sig	chr7_55449213
chr8	1648082	1648082	+	1.306E-13	1.83808E-12	-0.20163	hypo	sig	chr8_1648082
chr19	6659991	6659991	+	1.308E-13	1.83996E-12	0.206759	hyper	sig	chr19_6659991
chr11	20670298	20670298	+	1.311E-13	1.84401E-12	0.337111	hyper	sig	chr11_20670298
chr7	1.57E+08	157078510	+	1.311E-13	1.84475E-12	0.209825	hyper	sig	chr7_157078510
chr20	1949156	1949156	+	1.317E-13	1.85286E-12	-0.27491	hypo	sig	chr20_1949156
chr13	25171326	25171326	+	1.323E-13	1.86043E-12	0.30708	hyper	sig	chr13_25171326
chr10	1.22E+08	121649117	+	1.324E-13	1.86205E-12	-0.20029	hypo	sig	chr10_121649117
chr6	5995754	5995754	+	1.326E-13	1.86528E-12	0.203119	hyper	sig	chr6_5995754
chr13	27919267	27919267	+	1.328E-13	1.86837E-12	0.250805	hyper	sig	chr13_27919267
chr5	1.33E+08	132831524	+	1.33E-13	1.87056E-12	-0.23979	hypo	sig	chr5_132831524
chr5	1.39E+08	139384649	+	1.331E-13	1.87154E-12	-0.21577	hypo	sig	chr5_139384649
chr13	52847564	52847564	+	1.337E-13	1.8804E-12	0.24492	hyper	sig	chr13_52847564
chr8	22147400	22147400	+	1.337E-13	1.88067E-12	-0.20976	hypo	sig	chr8_22147400
chr5	32734850	32734850	+	1.339E-13	1.88267E-12	-0.22126	hypo	sig	chr5_32734850
chr13	64925903	64925903	+	1.341E-13	1.88516E-12	-0.2384	hypo	sig	chr13_64925903
chr5	95462	95462	+	1.341E-13	1.88601E-12	-0.20238	hypo	sig	chr5_95462
chr14	70187202	70187202	+	1.343E-13	1.88835E-12	0.277006	hyper	sig	chr14_70187202
chr17	48579119	48579119	+	1.348E-13	1.89543E-12	-0.25178	hypo	sig	chr17_48579119
chr1	1.19E+08	118985039	+	1.349E-13	1.89624E-12	0.269048	hyper	sig	chr1_118985039
chr1	2809105	2809105	+	1.349E-13	1.89685E-12	-0.24115	hypo	sig	chr1_2809105
chr6	10881767	10881767	+	1.351E-13	1.89972E-12	0.22123	hyper	sig	chr6_10881767
chr19	28727095	28727095	+	1.353E-13	1.90168E-12	0.330751	hyper	sig	chr19_28727095
chr11	2301744	2301744	+	1.357E-13	1.90743E-12	-0.20889	hypo	sig	chr11_2301744
chr17	48623096	48623096	+	1.359E-13	1.90957E-12	-0.2409	hypo	sig	chr17_48623096
chr20	23630185	23630185	+	1.359E-13	1.91025E-12	-0.2632	hypo	sig	chr20_23630185
chr13	50129679	50129679	+	1.364E-13	1.91601E-12	0.286094	hyper	sig	chr13_50129679
chr6	1.67E+08	166691438	+	1.368E-13	1.92205E-12	-0.30668	hypo	sig	chr6_166691438
chr12	6555782	6555782	+	1.368E-13	1.92215E-12	0.254973	hyper	sig	chr12_6555782
chr1	1060904	1060904	+	1.368E-13	1.92253E-12	-0.29152	hypo	sig	chr1_1060904
chr19	50943738	50943738	+	1.374E-13	1.93015E-12	-0.26906	hypo	sig	chr19_50943738
chr10	1.23E+08	122816020	+	1.377E-13	1.93437E-12	-0.22696	hypo	sig	chr10_122816020
chr16	87603617	87603617	+	1.378E-13	1.93508E-12	0.228545	hyper	sig	chr16_87603617
chr16	51153471	51153471	+	1.378E-13	1.93557E-12	0.336807	hyper	sig	chr16_51153471
chr1	1.58E+08	158355434	+	1.38E-13	1.93772E-12	-0.31053	hypo	sig	chr1_158355434
chr11	14905169	14905169	+	1.387E-13	1.94814E-12	0.310407	hyper	sig	chr11_14905169
chr3	1.84E+08	184492265	+	1.39E-13	1.95228E-12	0.211419	hyper	sig	chr3_184492265
chr2	1.24E+08	124024751	+	1.391E-13	1.95339E-12	0.295593	hyper	sig	chr2_124024751
chr11	1.35E+08	134781934	+	1.391E-13	1.95369E-12	-0.2423	hypo	sig	chr11_134781934
chr4	680680	680680	+	1.393E-13	1.95526E-12	-0.23692	hypo	sig	chr4_680680
chr1	90729208	90729208	+	1.393E-13	1.95635E-12	0.217522	hyper	sig	chr1_90729208
chr20	56627108	56627108	+	1.397E-13	1.96066E-12	0.25145	hyper	sig	chr20_56627108
chr6	6543169	6543169	+	1.397E-13	1.96094E-12	-0.21906	hypo	sig	chr6_6543169
chr9	1.37E+08	136739820	+	1.397E-13	1.96166E-12	-0.21909	hypo	sig	chr9_136739820
chr16	89818967	89818967	+	1.397E-13	1.96173E-12	-0.30053	hypo	sig	chr16_89818967
chr13	45702207	45702207	+	1.4E-13	1.96483E-12	-0.23709	hypo	sig	chr13_45702207
chr17	78170904	78170904	+	1.4E-13	1.96527E-12	-0.20199	hypo	sig	chr17_78170904
chr12	43552099	43552099	+	1.401E-13	1.9669E-12	0.201482	hyper	sig	chr12_43552099
chr7	1.59E+08	158993045	+	1.402E-13	1.96731E-12	0.21829	hyper	sig	chr7_158993045
chr19	58356241	58356241	+	1.406E-13	1.97372E-12	0.243138	hyper	sig	chr19_58356241
chr19	56393985	56393985	+	1.409E-13	1.97756E-12	0.258362	hyper	sig	chr19_56393985
chr7	1.56E+08	155540756	+	1.415E-13	1.9856E-12	-0.20671	hypo	sig	chr7_155540756

chr16	57260485	57260485	+	1.417E-13	1.98743E-12	-0.24279	hypo	sig	chr16_57260485
chr16	4556840	4556840	+	1.424E-13	1.99741E-12	-0.22728	hypo	sig	chr16_4556840
chr12	64390743	64390743	+	1.427E-13	2.00103E-12	0.222636	hyper	sig	chr12_64390743
chr12	34401796	34401796	+	1.431E-13	2.00651E-12	-0.23978	hypo	sig	chr12_34401796
chr5	1.35E+08	135038963	+	1.433E-13	2.00972E-12	0.236753	hyper	sig	chr5_135038963
chr17	43941606	43941606	+	1.434E-13	2.01113E-12	-0.21113	hypo	sig	chr17_43941606
chr19	32869737	32869737	+	1.435E-13	2.01263E-12	-0.26513	hypo	sig	chr19_32869737
chr5	1.16E+08	115962247	+	1.438E-13	2.017E-12	0.241466	hyper	sig	chr5_115962247
chr7	1.51E+08	151047608	+	1.439E-13	2.01733E-12	-0.20324	hypo	sig	chr7_151047608
chr5	1.33E+08	132865862	+	1.44E-13	2.01921E-12	-0.24692	hypo	sig	chr5_132865862
chr9	1.34E+08	133680022	+	1.443E-13	2.02285E-12	-0.20578	hypo	sig	chr9_133680022
chr16	1288151	1288151	+	1.443E-13	2.02309E-12	-0.23432	hypo	sig	chr16_1288151
chr19	1496630	1496630	+	1.445E-13	2.02559E-12	-0.21585	hypo	sig	chr19_1496630
chr15	24848345	24848345	+	1.449E-13	2.03167E-12	0.250725	hyper	sig	chr15_24848345
chr12	53966639	53966639	+	1.451E-13	2.03399E-12	0.223794	hyper	sig	chr12_53966639
chr4	44446465	44446465	+	1.455E-13	2.0392E-12	0.272245	hyper	sig	chr4_44446465
chr19	2513649	2513649	+	1.455E-13	2.03945E-12	-0.23416	hypo	sig	chr19_2513649
chr2	11481235	11481235	+	1.456E-13	2.04056E-12	-0.29795	hypo	sig	chr2_11481235
chr3	56465959	56465959	+	1.456E-13	2.04146E-12	-0.24442	hypo	sig	chr3_56465959
chr17	42979531	42979531	+	1.465E-13	2.05355E-12	-0.27463	hypo	sig	chr17_42979531
chr19	50717214	50717214	+	1.467E-13	2.05624E-12	-0.21624	hypo	sig	chr19_50717214
chr6	29975694	29975694	+	1.468E-13	2.05708E-12	0.248912	hyper	sig	chr6_29975694
chr19	40567697	40567697	+	1.47E-13	2.05991E-12	0.213604	hyper	sig	chr19_40567697
chr10	1212022	1212022	+	1.472E-13	2.0624E-12	-0.24668	hypo	sig	chr10_1212022
chr14	94773453	94773453	+	1.473E-13	2.06365E-12	0.213066	hyper	sig	chr14_94773453
chr7	1206392	1206392	+	1.474E-13	2.06555E-12	-0.26343	hypo	sig	chr7_1206392
chr12	53999652	53999652	+	1.477E-13	2.06964E-12	0.211007	hyper	sig	chr12_53999652
chr15	93435017	93435017	+	1.483E-13	2.07781E-12	-0.21467	hypo	sig	chr15_93435017
chr15	96413862	96413862	+	1.484E-13	2.07913E-12	0.204531	hyper	sig	chr15_96413862
chr3	1.33E+08	133412640	+	1.487E-13	2.08249E-12	-0.2295	hypo	sig	chr3_133412640
chr5	1.41E+08	140795560	+	1.488E-13	2.08414E-12	0.213096	hyper	sig	chr5_140795560
chr12	53945852	53945852	+	1.488E-13	2.08451E-12	0.220893	hyper	sig	chr12_53945852
chr6	52839543	52839543	+	1.488E-13	2.08476E-12	-0.24284	hypo	sig	chr6_52839543
chr20	21701428	21701428	+	1.489E-13	2.08543E-12	0.265983	hyper	sig	chr20_21701428
chr19	58038484	58038484	+	1.49E-13	2.08671E-12	0.225329	hyper	sig	chr19_58038484
chr22	43437124	43437124	+	1.491E-13	2.08867E-12	-0.22191	hypo	sig	chr22_43437124
chr19	10083341	10083341	+	1.492E-13	2.089E-12	-0.22678	hypo	sig	chr19_10083341
chr1	1.57E+08	156642626	+	1.493E-13	2.0909E-12	0.202943	hyper	sig	chr1_156642626
chr1	1.53E+08	152760969	+	1.493E-13	2.09115E-12	-0.20171	hypo	sig	chr1_152760969
chr5	1.81E+08	180603008	+	1.496E-13	2.09467E-12	-0.21181	hypo	sig	chr5_180603008
chr1	2.13E+08	212565261	+	1.496E-13	2.09525E-12	-0.28112	hypo	sig	chr1_212565261
chr8	1.16E+08	115648279	+	1.496E-13	2.09525E-12	0.210554	hyper	sig	chr8_115648279
chr2	1.76E+08	176164907	+	1.497E-13	2.09667E-12	0.205231	hyper	sig	chr2_176164907
chr1	2.43E+08	242890520	+	1.498E-13	2.09732E-12	0.206219	hyper	sig	chr1_242890520
chr22	38868328	38868328	+	1.5E-13	2.1002E-12	-0.20961	hypo	sig	chr22_38868328
chr3	32819126	32819126	+	1.507E-13	2.10916E-12	0.271213	hyper	sig	chr3_32819126
chr7	1.51E+08	151340463	+	1.508E-13	2.11116E-12	-0.2204	hypo	sig	chr7_151340463
chr6	5994902	5994902	+	1.508E-13	2.11143E-12	0.206752	hyper	sig	chr6_5994902
chr7	1.53E+08	152924937	+	1.509E-13	2.11181E-12	0.220921	hyper	sig	chr7_152924937
chr6	28635535	28635535	+	1.515E-13	2.12064E-12	0.250956	hyper	sig	chr6_28635535
chr20	61285884	61285884	+	1.517E-13	2.12304E-12	-0.2101	hypo	sig	chr20_61285884
chr3	1.25E+08	125141899	+	1.524E-13	2.13231E-12	0.289235	hyper	sig	chr3_125141899
chr5	1.23E+08	123094761	+	1.531E-13	2.14165E-12	0.241209	hyper	sig	chr5_123094761
chr7	50398749	50398749	+	1.531E-13	2.142E-12	-0.20224	hypo	sig	chr7_50398749
chr2	1.71E+08	170821758	+	1.532E-13	2.14288E-12	0.227844	hyper	sig	chr2_170821758
chr11	67665425	67665425	+	1.532E-13	2.1434E-12	-0.2216	hypo	sig	chr11_67665425

chr12	1.19E+08	118981320	+	1.532E-13	2.1434E-12	0.219094	hyper	sig	chr12_118981320
chr12	54411629	54411629	+	1.532E-13	2.14353E-12	-0.23888	hypo	sig	chr12_54411629
chr12	30201576	30201576	+	1.534E-13	2.14556E-12	0.259155	hyper	sig	chr12_30201576
chr17	48585000	48585000	+	1.536E-13	2.14857E-12	-0.22719	hypo	sig	chr17_48585000
chr9	1.02E+08	101737502	+	1.537E-13	2.14956E-12	0.208798	hyper	sig	chr9_101737502
chr6	6002518	6002518	+	1.537E-13	2.1496E-12	0.232778	hyper	sig	chr6_6002518
chr10	1.01E+08	100737597	+	1.54E-13	2.15323E-12	0.285644	hyper	sig	chr10_100737597
chr10	23172402	23172402	+	1.54E-13	2.15406E-12	0.29081	hyper	sig	chr10_23172402
chr17	38562306	38562306	+	1.542E-13	2.15689E-12	0.204954	hyper	sig	chr17_38562306
chr14	99792855	99792855	+	1.545E-13	2.16087E-12	0.215761	hyper	sig	chr14_99792855
chr2	38073803	38073803	+	1.547E-13	2.16348E-12	0.256283	hyper	sig	chr2_38073803
chr2	2.32E+08	231924718	+	1.547E-13	2.16348E-12	-0.20576	hypo	sig	chr2_231924718
chr11	69116291	69116291	+	1.548E-13	2.16398E-12	-0.21102	hypo	sig	chr11_69116291
chr1	1430833	1430833	+	1.548E-13	2.1649E-12	-0.26928	hypo	sig	chr1_1430833
chr7	1.29E+08	128697712	+	1.549E-13	2.16581E-12	0.248096	hyper	sig	chr7_128697712
chr14	99118311	99118311	+	1.549E-13	2.16627E-12	0.214653	hyper	sig	chr14_99118311
chr6	28921905	28921905	+	1.549E-13	2.16627E-12	-0.23942	hypo	sig	chr6_28921905
chr19	58440755	58440755	+	1.552E-13	2.16943E-12	0.203371	hyper	sig	chr19_58440755
chr2	1.24E+08	124024714	+	1.557E-13	2.17654E-12	0.224085	hyper	sig	chr2_124024714
chr10	52778547	52778547	+	1.558E-13	2.17763E-12	0.216117	hyper	sig	chr10_52778547
chr18	28176468	28176468	+	1.558E-13	2.17813E-12	0.229596	hyper	sig	chr18_28176468
chr6	37582437	37582437	+	1.56E-13	2.18121E-12	-0.24616	hypo	sig	chr6_37582437
chr5	2754633	2754633	+	1.563E-13	2.18459E-12	0.210345	hyper	sig	chr5_2754633
chr6	10881676	10881676	+	1.569E-13	2.19284E-12	0.218317	hyper	sig	chr6_10881676
chr5	2103272	2103272	+	1.569E-13	2.19307E-12	-0.2196	hypo	sig	chr5_2103272
chr19	35560917	35560917	+	1.573E-13	2.19818E-12	-0.24295	hypo	sig	chr19_35560917
chr7	1.53E+08	152924994	+	1.575E-13	2.2012E-12	0.25813	hyper	sig	chr7_152924994
chr4	15787579	15787579	+	1.578E-13	2.20499E-12	-0.20562	hypo	sig	chr4_15787579
chr10	99531335	99531335	+	1.579E-13	2.20671E-12	0.217305	hyper	sig	chr10_99531335
chr4	1541852	1541852	+	1.582E-13	2.21025E-12	-0.21523	hypo	sig	chr4_1541852
chr11	20163588	20163588	+	1.585E-13	2.21393E-12	0.207971	hyper	sig	chr11_20163588
chr1	2.31E+08	230747129	+	1.586E-13	2.21507E-12	-0.24249	hypo	sig	chr1_230747129
chr11	1.16E+08	115959147	+	1.586E-13	2.21568E-12	-0.22821	hypo	sig	chr11_115959147
chr2	94872924	94872924	+	1.587E-13	2.21684E-12	-0.20849	hypo	sig	chr2_94872924
chr4	963743	963743	+	1.593E-13	2.22541E-12	-0.24222	hypo	sig	chr4_963743
chr19	35853391	35853391	+	1.594E-13	2.22658E-12	-0.23924	hypo	sig	chr19_35853391
chr3	1.54E+08	154428559	+	1.594E-13	2.22674E-12	0.257616	hyper	sig	chr3_154428559
chr9	1.38E+08	137510098	+	1.596E-13	2.22972E-12	-0.22084	hypo	sig	chr9_137510098
chr17	35488371	35488371	+	1.601E-13	2.23551E-12	0.246928	hyper	sig	chr17_35488371
chr17	3655405	3655405	+	1.601E-13	2.23558E-12	0.235586	hyper	sig	chr17_3655405
chr2	315535	315535	+	1.602E-13	2.23682E-12	-0.22469	hypo	sig	chr2_315535
chr2	1.05E+08	104659248	+	1.602E-13	2.23738E-12	0.234328	hyper	sig	chr2_104659248
chr3	26622096	26622096	+	1.602E-13	2.23789E-12	0.273273	hyper	sig	chr3_26622096
chr17	34157096	34157096	+	1.605E-13	2.24082E-12	0.244434	hyper	sig	chr17_34157096
chr5	88678191	88678191	+	1.609E-13	2.24651E-12	0.202771	hyper	sig	chr5_88678191
chr13	78595618	78595618	+	1.611E-13	2.24893E-12	0.215722	hyper	sig	chr13_78595618
chr2	88451836	88451836	+	1.611E-13	2.24912E-12	0.246088	hyper	sig	chr2_88451836
chr20	56626973	56626973	+	1.614E-13	2.25345E-12	0.201781	hyper	sig	chr20_56626973
chr7	1.56E+08	155509080	+	1.616E-13	2.25679E-12	0.20377	hyper	sig	chr7_155509080
chr12	1.25E+08	124617959	+	1.622E-13	2.26369E-12	-0.2279	hypo	sig	chr12_124617959
chr19	16283561	16283561	+	1.623E-13	2.26548E-12	0.221696	hyper	sig	chr19_16283561
chr13	40175011	40175011	+	1.634E-13	2.28092E-12	-0.22251	hypo	sig	chr13_40175011
chr10	1.33E+08	133044685	+	1.643E-13	2.2933E-12	-0.20584	hypo	sig	chr10_133044685
chr3	1.82E+08	181724419	+	1.645E-13	2.296E-12	0.29131	hyper	sig	chr3_181724419
chr11	1048704	1048704	+	1.647E-13	2.29832E-12	-0.21208	hypo	sig	chr11_1048704
chr1	1.13E+08	112854658	+	1.649E-13	2.30024E-12	0.252441	hyper	sig	chr1_112854658

chr16	89102526	89102526	+	1.65E-13	2.30242E-12	0.220721	hyper	sig	chr16_89102526
chr19	42088831	42088831	+	1.651E-13	2.30339E-12	-0.22812	hypo	sig	chr19_42088831
chr13	52739686	52739686	+	1.651E-13	2.30377E-12	0.22167	hyper	sig	chr13_52739686
chr19	35350773	35350773	+	1.653E-13	2.30611E-12	-0.22066	hypo	sig	chr19_35350773
chr5	1.79E+08	178577058	+	1.656E-13	2.30968E-12	0.22153	hyper	sig	chr5_178577058
chr1	35577385	35577385	+	1.66E-13	2.31479E-12	0.217863	hyper	sig	chr1_35577385
chr19	41090212	41090212	+	1.662E-13	2.31832E-12	0.216405	hyper	sig	chr19_41090212
chr3	1.74E+08	174212212	+	1.664E-13	2.32144E-12	-0.2246	hypo	sig	chr3_174212212
chr14	73236315	73236315	+	1.67E-13	2.32923E-12	-0.22175	hypo	sig	chr14_73236315
chr16	89052666	89052666	+	1.673E-13	2.33285E-12	-0.25096	hypo	sig	chr16_89052666
chr1	6578444	6578444	+	1.678E-13	2.33978E-12	-0.2022	hypo	sig	chr1_6578444
chr6	1.01E+08	101392468	+	1.681E-13	2.34321E-12	0.220069	hyper	sig	chr6_101392468
chr1	1.97E+08	196878042	+	1.682E-13	2.34458E-12	0.217219	hyper	sig	chr1_196878042
chr2	1.13E+08	113499278	+	1.685E-13	2.34919E-12	0.262318	hyper	sig	chr2_113499278
chr8	38974904	38974904	+	1.686E-13	2.35037E-12	0.295211	hyper	sig	chr8_38974904
chr14	28767167	28767167	+	1.689E-13	2.35422E-12	0.241805	hyper	sig	chr14_28767167
chr11	20599154	20599154	+	1.69E-13	2.35573E-12	0.26819	hyper	sig	chr11_20599154
chr15	51338574	51338574	+	1.692E-13	2.35866E-12	-0.30491	hypo	sig	chr15_51338574
chr8	1.44E+08	144336208	+	1.693E-13	2.35954E-12	0.21357	hyper	sig	chr8_144336208
chr12	1.21E+08	121221811	+	1.694E-13	2.36054E-12	-0.22148	hypo	sig	chr12_121221811
chr2	63057935	63057935	+	1.697E-13	2.36499E-12	0.201865	hyper	sig	chr2_63057935
chr12	75207628	75207628	+	1.702E-13	2.3719E-12	0.213936	hyper	sig	chr12_75207628
chr6	10099229	10099229	+	1.704E-13	2.37405E-12	-0.21089	hypo	sig	chr6_10099229
chr8	1.43E+08	142680360	+	1.706E-13	2.37654E-12	-0.22724	hypo	sig	chr8_142680360
chr12	89355569	89355569	+	1.708E-13	2.37971E-12	-0.20426	hypo	sig	chr12_89355569
chr7	4792771	4792771	+	1.71E-13	2.38216E-12	0.20173	hyper	sig	chr7_4792771
chr12	54107038	54107038	+	1.71E-13	2.38286E-12	0.271843	hyper	sig	chr12_54107038
chr6	30988953	30988953	+	1.711E-13	2.38448E-12	-0.22314	hypo	sig	chr6_30988953
chr1	3410831	3410831	+	1.712E-13	2.38488E-12	-0.20541	hypo	sig	chr1_3410831
chr14	73270394	73270394	+	1.713E-13	2.38652E-12	-0.21223	hypo	sig	chr14_73270394
chr2	51032865	51032865	+	1.715E-13	2.3896E-12	0.201458	hyper	sig	chr2_51032865
chr7	88760097	88760097	+	1.716E-13	2.39009E-12	0.210985	hyper	sig	chr7_88760097
chr16	2676095	2676095	+	1.717E-13	2.39157E-12	-0.25511	hypo	sig	chr16_2676095
chr17	78453386	78453386	+	1.717E-13	2.39173E-12	-0.21365	hypo	sig	chr17_78453386
chr10	1.33E+08	132784397	+	1.72E-13	2.39526E-12	0.239669	hyper	sig	chr10_132784397
chr1	16521047	16521047	+	1.728E-13	2.40603E-12	0.24512	hyper	sig	chr1_16521047
chr7	96997646	96997646	+	1.734E-13	2.41442E-12	0.216245	hyper	sig	chr7_96997646
chr14	95457698	95457698	+	1.735E-13	2.41606E-12	-0.20089	hypo	sig	chr14_95457698
chr19	57727827	57727827	+	1.736E-13	2.41688E-12	0.203975	hyper	sig	chr19_57727827
chr6	10417210	10417210	+	1.737E-13	2.41887E-12	0.240331	hyper	sig	chr6_10417210
chr17	10197810	10197810	+	1.74E-13	2.42223E-12	0.215857	hyper	sig	chr17_10197810
chr3	1.34E+08	134408744	+	1.74E-13	2.42229E-12	-0.2896	hypo	sig	chr3_134408744
chr16	85982815	85982815	+	1.741E-13	2.42376E-12	-0.20013	hypo	sig	chr16_85982815
chr10	1.02E+08	102405463	+	1.746E-13	2.43123E-12	-0.20285	hypo	sig	chr10_102405463
chr19	29603442	29603442	+	1.75E-13	2.43629E-12	-0.27598	hypo	sig	chr19_29603442
chr17	48594667	48594667	+	1.751E-13	2.43753E-12	-0.20247	hypo	sig	chr17_48594667
chr20	16573913	16573913	+	1.756E-13	2.44358E-12	-0.24444	hypo	sig	chr20_16573913
chr16	66974321	66974321	+	1.756E-13	2.44416E-12	-0.26331	hypo	sig	chr16_66974321
chr2	2.07E+08	206642804	+	1.759E-13	2.44849E-12	0.205892	hyper	sig	chr2_206642804
chr9	34457440	34457440	+	1.759E-13	2.4485E-12	0.206047	hyper	sig	chr9_34457440
chr2	98346463	98346463	+	1.771E-13	2.4645E-12	0.254742	hyper	sig	chr2_98346463
chr4	10457728	10457728	+	1.776E-13	2.47128E-12	0.210511	hyper	sig	chr4_10457728
chr6	33080646	33080646	+	1.776E-13	2.47165E-12	0.289888	hyper	sig	chr6_33080646
chr16	14635570	14635570	+	1.779E-13	2.47502E-12	-0.23901	hypo	sig	chr16_14635570
chr16	89694970	89694970	+	1.779E-13	2.47559E-12	-0.20248	hypo	sig	chr16_89694970
chr10	1.19E+08	118595600	+	1.784E-13	2.48165E-12	0.23265	hyper	sig	chr10_118595600

chr5	1.41E+08	141360072	+	1.785E-13	2.48397E-12	0.203295	hyper	sig	chr5_141360072
chr7	4960627	4960627	+	1.786E-13	2.48467E-12	-0.23144	hypo	sig	chr7_4960627
chr11	1.23E+08	122976802	+	1.789E-13	2.48805E-12	0.259356	hyper	sig	chr11_122976802
chr6	73315315	73315315	+	1.789E-13	2.48854E-12	0.344936	hyper	sig	chr6_73315315
chr2	55923916	55923916	+	1.794E-13	2.49522E-12	0.250855	hyper	sig	chr2_55923916
chr3	28575306	28575306	+	1.795E-13	2.49689E-12	0.270944	hyper	sig	chr3_28575306
chr12	1.14E+08	114408682	+	1.795E-13	2.49725E-12	0.215941	hyper	sig	chr12_114408682
chr17	32111591	32111591	+	1.8E-13	2.50282E-12	-0.21862	hypo	sig	chr17_32111591
chr22	37024265	37024265	+	1.803E-13	2.50698E-12	-0.22987	hypo	sig	chr22_37024265
chr13	1.1E+08	110438044	+	1.806E-13	2.51181E-12	-0.27628	hypo	sig	chr13_110438044
chr5	3596806	3596806	+	1.809E-13	2.51525E-12	0.278691	hyper	sig	chr5_3596806
chr10	1.17E+08	117140300	+	1.809E-13	2.51527E-12	0.269841	hyper	sig	chr10_117140300
chr6	32662009	32662009	+	1.812E-13	2.51932E-12	-0.21029	hypo	sig	chr6_32662009
chr10	1.33E+08	133005560	+	1.813E-13	2.5202E-12	-0.21503	hypo	sig	chr10_133005560
chr8	47194084	47194084	+	1.813E-13	2.5208E-12	-0.30518	hypo	sig	chr8_47194084
chr18	79415743	79415743	+	1.821E-13	2.53138E-12	-0.25448	hypo	sig	chr18_79415743
chr5	161642	161642	+	1.83E-13	2.54423E-12	-0.2246	hypo	sig	chr5_161642
chr11	3435267	3435267	+	1.831E-13	2.54427E-12	-0.28275	hypo	sig	chr11_3435267
chr8	64373340	64373340	+	1.833E-13	2.54748E-12	0.244174	hyper	sig	chr8_64373340
chr15	52798686	52798686	+	1.837E-13	2.55241E-12	0.216305	hyper	sig	chr15_52798686
chr4	1.22E+08	121764415	+	1.843E-13	2.56047E-12	0.219693	hyper	sig	chr4_121764415
chr19	56840882	56840882	+	1.844E-13	2.56218E-12	0.224049	hyper	sig	chr19_56840882
chr5	10563001	10563001	+	1.846E-13	2.56524E-12	0.234828	hyper	sig	chr5_10563001
chr20	21703731	21703731	+	1.85E-13	2.57015E-12	0.27081	hyper	sig	chr20_21703731
chr15	25219338	25219338	+	1.851E-13	2.57147E-12	-0.20829	hypo	sig	chr15_25219338
chr19	38869813	38869813	+	1.856E-13	2.57868E-12	0.250366	hyper	sig	chr19_38869813
chr7	1.51E+08	150852118	+	1.856E-13	2.57868E-12	-0.21129	hypo	sig	chr7_150852118
chr3	47424779	47424779	+	1.857E-13	2.57937E-12	-0.23711	hypo	sig	chr3_47424779
chr21	45642683	45642683	+	1.861E-13	2.58499E-12	0.253203	hyper	sig	chr21_45642683
chr2	1.76E+08	176491352	+	1.861E-13	2.58575E-12	0.233297	hyper	sig	chr2_176491352
chr2	1.61E+08	161416815	+	1.863E-13	2.58762E-12	0.201022	hyper	sig	chr2_161416815
chr1	11488493	11488493	+	1.868E-13	2.59439E-12	-0.24402	hypo	sig	chr1_11488493
chr13	1.13E+08	113406365	+	1.871E-13	2.59826E-12	-0.22218	hypo	sig	chr13_113406365
chr2	98346431	98346431	+	1.874E-13	2.60267E-12	0.253356	hyper	sig	chr2_98346431
chr19	50728651	50728651	+	1.879E-13	2.60954E-12	0.273856	hyper	sig	chr19_50728651
chr19	18099671	18099671	+	1.879E-13	2.61018E-12	-0.2154	hypo	sig	chr19_18099671
chr1	1204161	1204161	+	1.88E-13	2.61039E-12	-0.24293	hypo	sig	chr1_1204161
chr7	4130178	4130178	+	1.88E-13	2.61085E-12	0.20156	hyper	sig	chr7_4130178
chr19	57099480	57099480	+	1.885E-13	2.61689E-12	0.237187	hyper	sig	chr19_57099480
chr20	45304300	45304300	+	1.886E-13	2.61826E-12	0.211297	hyper	sig	chr20_45304300
chr5	1.2E+08	120465277	+	1.896E-13	2.63187E-12	0.241813	hyper	sig	chr5_120465277
chr14	77475194	77475194	+	1.9E-13	2.63695E-12	-0.2423	hypo	sig	chr14_77475194
chr1	1.19E+08	118985459	+	1.901E-13	2.63896E-12	0.206044	hyper	sig	chr1_118985459
chr5	1.59E+08	159105925	+	1.903E-13	2.64125E-12	0.217427	hyper	sig	chr5_159105925
chr3	1.5E+08	149657222	+	1.906E-13	2.64488E-12	0.200856	hyper	sig	chr3_149657222
chr12	81078258	81078258	+	1.906E-13	2.64529E-12	0.213233	hyper	sig	chr12_81078258
chr2	72826361	72826361	+	1.907E-13	2.64688E-12	-0.21475	hypo	sig	chr2_72826361
chr19	58033662	58033662	+	1.911E-13	2.65194E-12	0.325712	hyper	sig	chr19_58033662
chr8	1.44E+08	144448914	+	1.913E-13	2.654E-12	-0.25473	hypo	sig	chr8_144448914
chr3	42772935	42772935	+	1.913E-13	2.65506E-12	0.218302	hyper	sig	chr3_42772935
chr7	19106860	19106860	+	1.916E-13	2.65802E-12	0.204922	hyper	sig	chr7_19106860
chr1	1.55E+08	154869474	+	1.916E-13	2.65866E-12	0.21518	hyper	sig	chr1_154869474
chr10	3287517	3287517	+	1.923E-13	2.66813E-12	-0.27568	hypo	sig	chr10_3287517
chr16	88134634	88134634	+	1.924E-13	2.66917E-12	-0.25404	hypo	sig	chr16_88134634
chr11	1.19E+08	119343194	+	1.928E-13	2.67387E-12	-0.25323	hypo	sig	chr11_119343194
chr19	37691946	37691946	+	1.931E-13	2.67905E-12	0.270622	hyper	sig	chr19_37691946

chr3	1.61E+08	160757415	+	1.933E-13	2.68095E-12	0.202544	hyper	sig	chr3_160757415
chr13	36130525	36130525	+	1.934E-13	2.68241E-12	0.214589	hyper	sig	chr13_36130525
chr19	524262	524262	+	1.934E-13	2.6829E-12	-0.21797	hypo	sig	chr19_524262
chr4	7595876	7595876	+	1.935E-13	2.68311E-12	-0.21019	hypo	sig	chr4_7595876
chr12	1.32E+08	132402975	+	1.937E-13	2.68664E-12	-0.21257	hypo	sig	chr12_132402975
chr12	1.24E+08	124457449	+	1.942E-13	2.69258E-12	0.253595	hyper	sig	chr12_124457449
chr20	60087459	60087459	+	1.942E-13	2.69376E-12	0.257832	hyper	sig	chr20_60087459
chr12	49945432	49945432	+	1.95E-13	2.70337E-12	-0.20583	hypo	sig	chr12_49945432
chr1	2.07E+08	207496293	+	1.95E-13	2.70417E-12	0.204766	hyper	sig	chr1_207496293
chr7	95397360	95397360	+	1.951E-13	2.70542E-12	-0.20675	hypo	sig	chr7_95397360
chr11	82997034	82997034	+	1.956E-13	2.71181E-12	-0.2091	hypo	sig	chr11_82997034
chr5	1.81E+08	180607939	+	1.957E-13	2.71304E-12	-0.23859	hypo	sig	chr5_180607939
chr7	6527018	6527018	+	1.959E-13	2.71628E-12	0.236287	hyper	sig	chr7_6527018
chr17	48596460	48596460	+	1.96E-13	2.7174E-12	-0.24678	hypo	sig	chr17_48596460
chr20	62216617	62216617	+	1.962E-13	2.7194E-12	-0.25824	hypo	sig	chr20_62216617
chr19	55118925	55118925	+	1.962E-13	2.72007E-12	0.237214	hyper	sig	chr19_55118925
chr10	1.01E+08	101140392	+	1.965E-13	2.72403E-12	0.201999	hyper	sig	chr10_101140392
chr12	1.29E+08	128854230	+	1.967E-13	2.7262E-12	0.226261	hyper	sig	chr12_128854230
chr10	93497201	93497201	+	1.968E-13	2.72753E-12	-0.22466	hypo	sig	chr10_93497201
chr19	52493295	52493295	+	1.968E-13	2.72829E-12	0.211292	hyper	sig	chr19_52493295
chr3	26622066	26622066	+	1.969E-13	2.72911E-12	0.279953	hyper	sig	chr3_26622066
chr2	2.02E+08	201619156	+	1.971E-13	2.73126E-12	0.244642	hyper	sig	chr2_201619156
chr16	62037225	62037225	+	1.971E-13	2.73205E-12	0.24762	hyper	sig	chr16_62037225
chr13	36432070	36432070	+	1.978E-13	2.74097E-12	0.22967	hyper	sig	chr13_36432070
chr1	1.8E+08	179586864	+	1.989E-13	2.75562E-12	-0.20734	hypo	sig	chr1_179586864
chr3	1.33E+08	133412672	+	1.994E-13	2.76241E-12	-0.21707	hypo	sig	chr3_133412672
chr12	98593107	98593107	+	1.998E-13	2.76742E-12	-0.21189	hypo	sig	chr12_98593107
chr1	18630245	18630245	+	2.001E-13	2.77154E-12	0.211992	hyper	sig	chr1_18630245
chr10	49613520	49613520	+	2.002E-13	2.7731E-12	0.232309	hyper	sig	chr10_49613520
chr10	90857068	90857068	+	2.002E-13	2.77339E-12	0.251384	hyper	sig	chr10_90857068
chr1	1.16E+08	115679216	+	2.006E-13	2.77897E-12	-0.20203	hypo	sig	chr1_115679216
chr16	1427062	1427062	+	2.007E-13	2.77935E-12	-0.20189	hypo	sig	chr16_1427062
chr2	63806639	63806639	+	2.01E-13	2.78359E-12	-0.2792	hypo	sig	chr2_63806639
chr19	521213	521213	+	2.013E-13	2.78723E-12	-0.21133	hypo	sig	chr19_521213
chr12	50033034	50033034	+	2.018E-13	2.7936E-12	0.290618	hyper	sig	chr12_50033034
chr10	1.24E+08	123972130	+	2.02E-13	2.79686E-12	0.262714	hyper	sig	chr10_123972130
chr15	26968045	26968045	+	2.021E-13	2.79771E-12	0.228207	hyper	sig	chr15_26968045
chr14	74337726	74337726	+	2.024E-13	2.80149E-12	-0.25317	hypo	sig	chr14_74337726
chr1	1143131	1143131	+	2.024E-13	2.80243E-12	-0.21081	hypo	sig	chr1_1143131
chr7	25948009	25948009	+	2.026E-13	2.80404E-12	-0.21602	hypo	sig	chr7_25948009
chr2	88169818	88169818	+	2.026E-13	2.80416E-12	-0.24162	hypo	sig	chr2_88169818
chr1	1.19E+08	118983773	+	2.026E-13	2.80486E-12	0.207669	hyper	sig	chr1_118983773
chr20	62329089	62329089	+	2.027E-13	2.80534E-12	-0.26689	hypo	sig	chr20_62329089
chr19	7298049	7298049	+	2.029E-13	2.80895E-12	-0.33493	hypo	sig	chr19_7298049
chr20	45885129	45885129	+	2.03E-13	2.81001E-12	-0.20244	hypo	sig	chr20_45885129
chr14	1.03E+08	103187283	+	2.033E-13	2.81367E-12	-0.2119	hypo	sig	chr14_103187283
chr19	45320627	45320627	+	2.035E-13	2.81656E-12	-0.22139	hypo	sig	chr19_45320627
chr20	62378369	62378369	+	2.036E-13	2.81791E-12	-0.20237	hypo	sig	chr20_62378369
chr9	37027487	37027487	+	2.037E-13	2.81858E-12	0.216393	hyper	sig	chr9_37027487
chr19	31353057	31353057	+	2.037E-13	2.81945E-12	0.226903	hyper	sig	chr19_31353057
chr4	1.25E+08	125317052	+	2.038E-13	2.82079E-12	0.22295	hyper	sig	chr4_125317052
chr5	77973539	77973539	+	2.039E-13	2.82113E-12	0.212278	hyper	sig	chr5_77973539
chr22	19892584	19892584	+	2.039E-13	2.82139E-12	-0.24251	hypo	sig	chr22_19892584
chr12	53938425	53938425	+	2.043E-13	2.82616E-12	0.282507	hyper	sig	chr12_53938425
chr17	49035773	49035773	+	2.043E-13	2.82704E-12	-0.20376	hypo	sig	chr17_49035773
chr12	8394090	8394090	+	2.046E-13	2.83138E-12	-0.29594	hypo	sig	chr12_8394090

chr17	16665774	16665774	+	2.047E-13	2.83196E-12	-0.28395	hypo	sig	chr17_16665774
chr1	2.03E+08	203087301	+	2.052E-13	2.83861E-12	-0.27268	hypo	sig	chr1_203087301
chr5	1.69E+08	168529904	+	2.055E-13	2.84261E-12	0.215144	hyper	sig	chr5_168529904
chr1	2.13E+08	212703918	+	2.058E-13	2.8472E-12	-0.30389	hypo	sig	chr1_212703918
chr9	1.37E+08	136578452	+	2.063E-13	2.85287E-12	-0.22539	hypo	sig	chr9_136578452
chr16	51113914	51113914	+	2.064E-13	2.85531E-12	0.215238	hyper	sig	chr16_51113914
chr11	1.25E+08	125494778	+	2.067E-13	2.85907E-12	0.264692	hyper	sig	chr11_125494778
chr8	54883278	54883278	+	2.072E-13	2.86518E-12	-0.24012	hypo	sig	chr8_54883278
chr10	69571780	69571780	+	2.077E-13	2.87167E-12	0.237976	hyper	sig	chr10_69571780
chr19	41995586	41995586	+	2.078E-13	2.8735E-12	-0.27686	hypo	sig	chr19_41995586
chr7	97958966	97958966	+	2.082E-13	2.87819E-12	-0.29507	hypo	sig	chr7_97958966
chr15	88258296	88258296	+	2.084E-13	2.88188E-12	0.23942	hyper	sig	chr15_88258296
chr14	76138745	76138745	+	2.087E-13	2.88573E-12	0.246196	hyper	sig	chr14_76138745
chr7	27103966	27103966	+	2.088E-13	2.88662E-12	0.243787	hyper	sig	chr7_27103966
chr5	1.51E+08	150781763	+	2.088E-13	2.88698E-12	-0.2067	hypo	sig	chr5_150781763
chr17	49496228	49496228	+	2.092E-13	2.89245E-12	0.216967	hyper	sig	chr17_49496228
chr16	3305213	3305213	+	2.093E-13	2.89306E-12	0.222325	hyper	sig	chr16_3305213
chr13	52849776	52849776	+	2.094E-13	2.89439E-12	0.215448	hyper	sig	chr13_52849776
chr19	39204155	39204155	+	2.097E-13	2.89841E-12	0.213248	hyper	sig	chr19_39204155
chr8	9898322	9898322	+	2.1E-13	2.90222E-12	0.235745	hyper	sig	chr8_9898322
chr1	31939789	31939789	+	2.109E-13	2.91408E-12	-0.31033	hypo	sig	chr1_31939789
chr12	1.32E+08	132295555	+	2.114E-13	2.92159E-12	-0.20793	hypo	sig	chr12_132295555
chr10	1.33E+08	132785083	+	2.122E-13	2.93148E-12	0.2606	hyper	sig	chr10_132785083
chr19	58033855	58033855	+	2.122E-13	2.93152E-12	0.224297	hyper	sig	chr19_58033855
chr12	57236480	57236480	+	2.125E-13	2.9358E-12	0.202364	hyper	sig	chr12_57236480
chr20	64072402	64072402	+	2.126E-13	2.93721E-12	-0.25304	hypo	sig	chr20_64072402
chr20	25584826	25584826	+	2.127E-13	2.93799E-12	0.220415	hyper	sig	chr20_25584826
chr12	41189919	41189919	+	2.132E-13	2.9452E-12	0.231727	hyper	sig	chr12_41189919
chr17	7384323	7384323	+	2.136E-13	2.95086E-12	0.248096	hyper	sig	chr17_7384323
chr5	1.78E+08	177604197	+	2.137E-13	2.9517E-12	-0.24453	hypo	sig	chr5_177604197
chr19	3481816	3481816	+	2.141E-13	2.95708E-12	-0.21384	hypo	sig	chr19_3481816
chr20	9506508	9506508	+	2.142E-13	2.95792E-12	0.287812	hyper	sig	chr20_9506508
chr5	2755765	2755765	+	2.146E-13	2.96395E-12	0.210356	hyper	sig	chr5_2755765
chr4	4864840	4864840	+	2.149E-13	2.96731E-12	0.21907	hyper	sig	chr4_4864840
chr16	49465150	49465150	+	2.159E-13	2.98187E-12	0.210787	hyper	sig	chr16_49465150
chr10	15100495	15100495	+	2.163E-13	2.9865E-12	0.200102	hyper	sig	chr10_15100495
chr15	83107271	83107271	+	2.164E-13	2.98811E-12	0.211691	hyper	sig	chr15_83107271
chr19	34905365	34905365	+	2.165E-13	2.98888E-12	0.245035	hyper	sig	chr19_34905365
chr2	11481357	11481357	+	2.175E-13	3.00229E-12	-0.23374	hypo	sig	chr2_11481357
chr19	37817768	37817768	+	2.182E-13	3.01266E-12	0.202433	hyper	sig	chr19_37817768
chr8	64376621	64376621	+	2.183E-13	3.01332E-12	0.230148	hyper	sig	chr8_64376621
chr2	2.19E+08	219055843	+	2.184E-13	3.01526E-12	0.233485	hyper	sig	chr2_219055843
chr15	89434876	89434876	+	2.186E-13	3.01767E-12	-0.2106	hypo	sig	chr15_89434876
chr12	1.31E+08	130781222	+	2.19E-13	3.02251E-12	-0.24528	hypo	sig	chr12_130781222
chr7	1.01E+08	101237476	+	2.191E-13	3.02373E-12	0.210905	hyper	sig	chr7_101237476
chr10	45723955	45723955	+	2.193E-13	3.02755E-12	-0.20115	hypo	sig	chr10_45723955
chr16	86495188	86495188	+	2.198E-13	3.03386E-12	0.21776	hyper	sig	chr16_86495188
chr7	1.3E+08	130491051	+	2.201E-13	3.03726E-12	0.223673	hyper	sig	chr7_130491051
chr13	48319675	48319675	+	2.205E-13	3.04263E-12	0.200787	hyper	sig	chr13_48319675
chr11	43582691	43582691	+	2.205E-13	3.04294E-12	0.21483	hyper	sig	chr11_43582691
chr19	42698012	42698012	+	2.206E-13	3.04404E-12	0.268076	hyper	sig	chr19_42698012
chr5	1.41E+08	141188767	+	2.219E-13	3.06137E-12	0.211537	hyper	sig	chr5_141188767
chr1	1434630	1434630	+	2.219E-13	3.06224E-12	-0.27759	hypo	sig	chr1_1434630
chr5	28928223	28928223	+	2.221E-13	3.06454E-12	0.217659	hyper	sig	chr5_28928223
chr7	79454499	79454499	+	2.223E-13	3.06746E-12	0.263616	hyper	sig	chr7_79454499
chr20	58469654	58469654	+	2.223E-13	3.06752E-12	-0.21421	hypo	sig	chr20_58469654

chr5	1.79E+08	179218693	+	2.225E-13	3.06954E-12	-0.21556	hypo	sig	chr5_179218693
chr19	52398054	52398054	+	2.226E-13	3.07143E-12	0.215622	hyper	sig	chr19_52398054
chr10	1.34E+08	133622980	+	2.227E-13	3.07265E-12	0.230482	hyper	sig	chr10_133622980
chr14	56812760	56812760	+	2.232E-13	3.07893E-12	0.245295	hyper	sig	chr14_56812760
chr10	1.01E+08	100655597	+	2.236E-13	3.08396E-12	0.223777	hyper	sig	chr10_100655597
chr7	20793443	20793443	+	2.243E-13	3.09293E-12	0.236522	hyper	sig	chr7_20793443
chr7	96992878	96992878	+	2.245E-13	3.09616E-12	0.259531	hyper	sig	chr7_96992878
chr8	84184550	84184550	+	2.252E-13	3.10479E-12	0.34567	hyper	sig	chr8_84184550
chr4	84495886	84495886	+	2.262E-13	3.118E-12	0.251361	hyper	sig	chr4_84495886
chr7	98869401	98869401	+	2.263E-13	3.12013E-12	0.285609	hyper	sig	chr7_98869401
chr5	63961303	63961303	+	2.265E-13	3.12284E-12	0.28737	hyper	sig	chr5_63961303
chr10	1.33E+08	132785086	+	2.269E-13	3.12791E-12	0.265212	hyper	sig	chr10_132785086
chr1	1.44E+08	143652094	+	2.271E-13	3.12969E-12	0.201781	hyper	sig	chr1_143652094
chr5	5139509	5139509	+	2.276E-13	3.13623E-12	0.219307	hyper	sig	chr5_5139509
chr1	11500339	11500339	+	2.278E-13	3.13884E-12	-0.21502	hypo	sig	chr1_11500339
chr17	64503549	64503549	+	2.283E-13	3.1461E-12	-0.26951	hypo	sig	chr17_64503549
chr19	54277134	54277134	+	2.292E-13	3.15773E-12	-0.2317	hypo	sig	chr19_54277134
chr2	47688778	47688778	+	2.294E-13	3.16049E-12	-0.22186	hypo	sig	chr2_47688778
chr11	64372952	64372952	+	2.296E-13	3.1629E-12	-0.2136	hypo	sig	chr11_64372952
chr3	5096073	5096073	+	2.301E-13	3.16963E-12	0.238255	hyper	sig	chr3_5096073
chr7	1.41E+08	140551989	+	2.316E-13	3.18994E-12	-0.20314	hypo	sig	chr7_140551989
chr12	48198958	48198958	+	2.317E-13	3.19188E-12	0.234081	hyper	sig	chr12_48198958
chr5	1.55E+08	154691539	+	2.323E-13	3.19937E-12	0.226459	hyper	sig	chr5_154691539
chr7	74043480	74043480	+	2.333E-13	3.21278E-12	-0.20387	hypo	sig	chr7_74043480
chr6	73694803	73694803	+	2.335E-13	3.21604E-12	-0.22128	hypo	sig	chr6_73694803
chr2	68320030	68320030	+	2.344E-13	3.22747E-12	0.254803	hyper	sig	chr2_68320030
chr13	1.12E+08	112342607	+	2.345E-13	3.22846E-12	-0.30628	hypo	sig	chr13_112342607
chr16	20352962	20352962	+	2.347E-13	3.23087E-12	-0.2504	hypo	sig	chr16_20352962
chr10	44293238	44293238	+	2.347E-13	3.23176E-12	0.247367	hyper	sig	chr10_44293238
chr12	49544261	49544261	+	2.349E-13	3.2334E-12	0.217293	hyper	sig	chr12_49544261
chr1	2037822	2037822	+	2.349E-13	3.23351E-12	-0.27658	hypo	sig	chr1_2037822
chr3	1.98E+08	197509851	+	2.357E-13	3.24461E-12	0.230573	hyper	sig	chr3_197509851
chr11	64972191	64972191	+	2.364E-13	3.25353E-12	0.303242	hyper	sig	chr11_64972191
chr7	54665644	54665644	+	2.364E-13	3.25417E-12	-0.25895	hypo	sig	chr7_54665644
chr6	77467191	77467191	+	2.366E-13	3.25682E-12	0.235226	hyper	sig	chr6_77467191
chr8	1622850	1622850	+	2.368E-13	3.25951E-12	-0.30702	hypo	sig	chr8_1622850
chr12	42145673	42145673	+	2.372E-13	3.26379E-12	-0.2498	hypo	sig	chr12_42145673
chr9	1.36E+08	135560840	+	2.372E-13	3.26462E-12	-0.21796	hypo	sig	chr9_135560840
chr13	1.1E+08	110424910	+	2.373E-13	3.26561E-12	-0.20509	hypo	sig	chr13_110424910
chr19	56393924	56393924	+	2.374E-13	3.26712E-12	0.236087	hyper	sig	chr19_56393924
chr1	9907687	9907687	+	2.379E-13	3.2729E-12	-0.30571	hypo	sig	chr1_9907687
chr4	42152966	42152966	+	2.379E-13	3.27367E-12	0.206564	hyper	sig	chr4_42152966
chr4	3767966	3767966	+	2.38E-13	3.27428E-12	0.210393	hyper	sig	chr4_3767966
chr2	1.49E+08	149329346	+	2.383E-13	3.2785E-12	-0.22272	hypo	sig	chr2_149329346
chr11	1.18E+08	117987338	+	2.388E-13	3.28472E-12	-0.24492	hypo	sig	chr11_117987338
chr22	21881886	21881886	+	2.389E-13	3.28667E-12	-0.23222	hypo	sig	chr22_21881886
chr13	25096045	25096045	+	2.402E-13	3.30361E-12	0.213714	hyper	sig	chr13_25096045
chr5	38557284	38557284	+	2.402E-13	3.30418E-12	0.200256	hyper	sig	chr5_38557284
chr1	1.19E+08	118992186	+	2.406E-13	3.30983E-12	0.23913	hyper	sig	chr1_118992186
chr3	1.38E+08	138450886	+	2.413E-13	3.31828E-12	-0.2369	hypo	sig	chr3_138450886
chr2	62232141	62232141	+	2.421E-13	3.3292E-12	-0.21558	hypo	sig	chr2_62232141
chr11	1.25E+08	124921009	+	2.425E-13	3.33401E-12	0.246998	hyper	sig	chr11_124921009
chr10	86263293	86263293	+	2.428E-13	3.3381E-12	0.208113	hyper	sig	chr10_86263293
chr11	32428490	32428490	+	2.432E-13	3.34368E-12	0.237148	hyper	sig	chr11_32428490
chr10	1.01E+08	101140635	+	2.433E-13	3.34398E-12	0.233088	hyper	sig	chr10_101140635
chr19	45762926	45762926	+	2.444E-13	3.35842E-12	-0.27456	hypo	sig	chr19_45762926

chr2	2.34E+08	233712794	+	2.447E-13	3.36244E-12	-0.23069	hypo	sig	chr2_233712794
chr3	9552447	9552447	+	2.448E-13	3.36461E-12	0.202694	hyper	sig	chr3_9552447
chr4	15778376	15778376	+	2.454E-13	3.37214E-12	0.241187	hyper	sig	chr4_15778376
chr5	59892458	59892458	+	2.454E-13	3.37214E-12	0.274547	hyper	sig	chr5_59892458
chr12	52676149	52676149	+	2.456E-13	3.37475E-12	-0.24441	hypo	sig	chr12_52676149
chr3	51670335	51670335	+	2.458E-13	3.37728E-12	-0.23815	hypo	sig	chr3_51670335
chr7	1.5E+08	150324532	+	2.461E-13	3.38119E-12	-0.20024	hypo	sig	chr7_150324532
chr10	23096851	23096851	+	2.461E-13	3.38194E-12	-0.23888	hypo	sig	chr10_23096851
chr15	92656306	92656306	+	2.462E-13	3.3828E-12	-0.2022	hypo	sig	chr15_92656306
chr5	1967215	1967215	+	2.462E-13	3.383E-12	-0.21239	hypo	sig	chr5_1967215
chr20	64072186	64072186	+	2.467E-13	3.38877E-12	-0.23264	hypo	sig	chr20_64072186
chr1	1.19E+08	118985475	+	2.467E-13	3.38884E-12	0.213888	hyper	sig	chr1_118985475
chr11	1.25E+08	124920959	+	2.47E-13	3.39266E-12	0.225822	hyper	sig	chr11_124920959
chr11	30017178	30017178	+	2.472E-13	3.39492E-12	0.20959	hyper	sig	chr11_30017178
chr13	1.14E+08	114005314	+	2.485E-13	3.41333E-12	-0.20711	hypo	sig	chr13_114005314
chr3	196478	196478	+	2.488E-13	3.41631E-12	0.236837	hyper	sig	chr3_196478
chr19	53058317	53058317	+	2.488E-13	3.41692E-12	0.271164	hyper	sig	chr19_53058317
chr1	28148000	28148000	+	2.49E-13	3.41938E-12	-0.21246	hypo	sig	chr1_28148000
chr9	1.04E+08	104092890	+	2.492E-13	3.42121E-12	-0.25766	hypo	sig	chr9_104092890
chr6	1.7E+08	170166694	+	2.493E-13	3.42273E-12	-0.20254	hypo	sig	chr6_170166694
chr12	1.32E+08	132215365	+	2.496E-13	3.42653E-12	-0.24988	hypo	sig	chr12_132215365
chr16	72928000	72928000	+	2.497E-13	3.42768E-12	-0.22149	hypo	sig	chr16_72928000
chr11	32426560	32426560	+	2.497E-13	3.42868E-12	0.252958	hyper	sig	chr11_32426560
chr6	1E+08	100466019	+	2.506E-13	3.43972E-12	0.221145	hyper	sig	chr6_100466019
chr16	51113932	51113932	+	2.508E-13	3.44334E-12	0.213855	hyper	sig	chr16_51113932
chr22	49670242	49670242	+	2.517E-13	3.45419E-12	0.205488	hyper	sig	chr22_49670242
chr22	18111426	18111426	+	2.519E-13	3.45697E-12	0.208023	hyper	sig	chr22_18111426
chr15	23686559	23686559	+	2.521E-13	3.4602E-12	0.200939	hyper	sig	chr15_23686559
chr6	28259202	28259202	+	2.527E-13	3.46788E-12	0.246423	hyper	sig	chr6_28259202
chr10	28807930	28807930	+	2.531E-13	3.4738E-12	0.233699	hyper	sig	chr10_28807930
chr10	1.27E+08	126896843	+	2.534E-13	3.47701E-12	-0.20149	hypo	sig	chr10_126896843
chr2	1.21E+08	120546169	+	2.535E-13	3.47864E-12	-0.25083	hypo	sig	chr2_120546169
chr2	26150082	26150082	+	2.54E-13	3.48497E-12	-0.23263	hypo	sig	chr2_26150082
chr7	1.01E+08	101314822	+	2.544E-13	3.49046E-12	-0.21278	hypo	sig	chr7_101314822
chr19	18762214	18762214	+	2.545E-13	3.49134E-12	-0.20542	hypo	sig	chr19_18762214
chr4	1.86E+08	185587556	+	2.548E-13	3.49584E-12	0.206583	hyper	sig	chr4_185587556
chr17	5499148	5499148	+	2.555E-13	3.50499E-12	-0.28182	hypo	sig	chr17_5499148
chr5	1.8E+08	180138544	+	2.56E-13	3.5116E-12	-0.20869	hypo	sig	chr5_180138544
chr5	1.41E+08	141234578	+	2.566E-13	3.52E-12	0.226897	hyper	sig	chr5_141234578
chr4	9505861	9505861	+	2.571E-13	3.52661E-12	-0.22528	hypo	sig	chr4_9505861
chr9	93960830	93960830	+	2.571E-13	3.52674E-12	0.200065	hyper	sig	chr9_93960830
chr8	76683896	76683896	+	2.574E-13	3.52984E-12	0.227653	hyper	sig	chr8_76683896
chr3	1.82E+08	181724390	+	2.583E-13	3.54242E-12	0.260955	hyper	sig	chr3_181724390
chr2	95350069	95350069	+	2.59E-13	3.55113E-12	-0.20235	hypo	sig	chr2_95350069
chr16	84930243	84930243	+	2.59E-13	3.55189E-12	-0.28077	hypo	sig	chr16_84930243
chr18	50557624	50557624	+	2.597E-13	3.56015E-12	-0.27404	hypo	sig	chr18_50557624
chr2	31581206	31581206	+	2.598E-13	3.56139E-12	0.248563	hyper	sig	chr2_31581206
chr5	32713601	32713601	+	2.6E-13	3.56492E-12	0.20753	hyper	sig	chr5_32713601
chr13	52739707	52739707	+	2.604E-13	3.57017E-12	0.214597	hyper	sig	chr13_52739707
chr20	20056506	20056506	+	2.605E-13	3.5706E-12	-0.20462	hypo	sig	chr20_20056506
chr8	64371098	64371098	+	2.613E-13	3.58221E-12	0.207186	hyper	sig	chr8_64371098
chr3	1.07E+08	107429530	+	2.614E-13	3.58319E-12	0.209374	hyper	sig	chr3_107429530
chr18	13136264	13136264	+	2.615E-13	3.58418E-12	-0.24805	hypo	sig	chr18_13136264
chr12	1.13E+08	113093670	+	2.618E-13	3.58761E-12	-0.21376	hypo	sig	chr12_113093670
chr19	47451694	47451694	+	2.621E-13	3.59149E-12	-0.20687	hypo	sig	chr19_47451694
chr16	84486415	84486415	+	2.635E-13	3.60966E-12	0.211755	hyper	sig	chr16_84486415

chr19	57527205	57527205	+	2.641E-13	3.61847E-12	0.201456	hyper	sig	chr19_57527205
chr12	1.13E+08	113463772	+	2.643E-13	3.62037E-12	0.214318	hyper	sig	chr12_113463772
chr1	1.15E+08	115338547	+	2.644E-13	3.62172E-12	0.217104	hyper	sig	chr1_115338547
chr1	3543522	3543522	+	2.647E-13	3.62635E-12	-0.21257	hypo	sig	chr1_3543522
chr20	21703739	21703739	+	2.648E-13	3.62787E-12	0.232418	hyper	sig	chr20_21703739
chr19	15505113	15505113	+	2.654E-13	3.63553E-12	-0.26039	hypo	sig	chr19_15505113
chr19	1231293	1231293	+	2.656E-13	3.63781E-12	-0.20658	hypo	sig	chr19_1231293
chr1	2.37E+08	236686757	+	2.676E-13	3.66479E-12	0.299858	hyper	sig	chr1_236686757
chr12	52871139	52871139	+	2.678E-13	3.66745E-12	-0.20948	hypo	sig	chr12_52871139
chr12	1.3E+08	130447541	+	2.678E-13	3.66762E-12	-0.20747	hypo	sig	chr12_130447541
chr7	1.01E+08	101362754	+	2.683E-13	3.6741E-12	0.242308	hyper	sig	chr7_101362754
chr19	17846345	17846345	+	2.686E-13	3.67795E-12	-0.24929	hypo	sig	chr19_17846345
chr1	17149305	17149305	+	2.69E-13	3.68361E-12	0.301937	hyper	sig	chr1_17149305
chr12	6555422	6555422	+	2.696E-13	3.6911E-12	0.225679	hyper	sig	chr12_6555422
chr7	73850271	73850271	+	2.696E-13	3.69139E-12	-0.29088	hypo	sig	chr7_73850271
chr16	88101211	88101211	+	2.697E-13	3.69224E-12	0.204739	hyper	sig	chr16_88101211
chr6	50707697	50707697	+	2.698E-13	3.69369E-12	0.219786	hyper	sig	chr6_50707697
chr12	1.19E+08	118981311	+	2.712E-13	3.71211E-12	0.210906	hyper	sig	chr12_118981311
chr5	73230737	73230737	+	2.712E-13	3.71211E-12	0.231033	hyper	sig	chr5_73230737
chr9	1.33E+08	132583238	+	2.714E-13	3.71449E-12	0.2312	hyper	sig	chr9_132583238
chr8	64371867	64371867	+	2.722E-13	3.72518E-12	0.308933	hyper	sig	chr8_64371867
chr8	1163746	1163746	+	2.724E-13	3.72717E-12	0.211129	hyper	sig	chr8_1163746
chr15	26298648	26298648	+	2.724E-13	3.72734E-12	-0.22742	hypo	sig	chr15_26298648
chr11	31797243	31797243	+	2.727E-13	3.73191E-12	0.200887	hyper	sig	chr11_31797243
chr3	1.3E+08	129975158	+	2.728E-13	3.73306E-12	0.246006	hyper	sig	chr3_129975158
chr10	1.21E+08	120950286	+	2.73E-13	3.73485E-12	0.202466	hyper	sig	chr10_120950286
chr4	11428008	11428008	+	2.73E-13	3.73534E-12	0.283726	hyper	sig	chr4_11428008
chr2	2.36E+08	236324424	+	2.733E-13	3.73915E-12	-0.20982	hypo	sig	chr2_236324424
chr3	52046762	52046762	+	2.734E-13	3.74023E-12	-0.23971	hypo	sig	chr3_52046762
chr5	3597695	3597695	+	2.74E-13	3.74784E-12	0.250323	hyper	sig	chr5_3597695
chr12	6555409	6555409	+	2.746E-13	3.75657E-12	0.211561	hyper	sig	chr12_6555409
chr5	1.41E+08	141365776	+	2.757E-13	3.77135E-12	0.209606	hyper	sig	chr5_141365776
chr15	89360271	89360271	+	2.758E-13	3.77204E-12	0.266518	hyper	sig	chr15_89360271
chr5	1.41E+08	141360088	+	2.771E-13	3.78872E-12	0.210522	hyper	sig	chr5_141360088
chr13	50132914	50132914	+	2.776E-13	3.79595E-12	0.203661	hyper	sig	chr13_50132914
chr11	78675234	78675234	+	2.777E-13	3.79664E-12	-0.2856	hypo	sig	chr11_78675234
chr2	10925041	10925041	+	2.781E-13	3.80168E-12	-0.20076	hypo	sig	chr2_10925041
chr20	25083716	25083716	+	2.787E-13	3.80953E-12	0.283178	hyper	sig	chr20_25083716
chr11	61914113	61914113	+	2.787E-13	3.81059E-12	-0.20183	hypo	sig	chr11_61914113
chr11	3435274	3435274	+	2.793E-13	3.81797E-12	-0.28509	hypo	sig	chr11_3435274
chr10	21507377	21507377	+	2.793E-13	3.81811E-12	-0.20686	hypo	sig	chr10_21507377
chr1	27011094	27011094	+	2.794E-13	3.81851E-12	-0.2829	hypo	sig	chr1_27011094
chr12	34385763	34385763	+	2.805E-13	3.83313E-12	-0.24703	hypo	sig	chr12_34385763
chr16	51153714	51153714	+	2.81E-13	3.83988E-12	0.213165	hyper	sig	chr16_51153714
chr5	1.8E+08	180388975	+	2.81E-13	3.84026E-12	-0.20251	hypo	sig	chr5_180388975
chr1	90729215	90729215	+	2.813E-13	3.84412E-12	0.224912	hyper	sig	chr1_90729215
chr16	66948772	66948772	+	2.816E-13	3.8481E-12	0.217708	hyper	sig	chr16_66948772
chr10	25935023	25935023	+	2.818E-13	3.85132E-12	0.22646	hyper	sig	chr10_25935023
chr12	1.01E+08	101209534	+	2.83E-13	3.86646E-12	0.250834	hyper	sig	chr12_101209534
chr16	46747780	46747780	+	2.83E-13	3.8669E-12	-0.22489	hypo	sig	chr16_46747780
chr19	3481767	3481767	+	2.847E-13	3.88966E-12	-0.21316	hypo	sig	chr19_3481767
chr14	93788326	93788326	+	2.853E-13	3.8975E-12	0.212146	hyper	sig	chr14_93788326
chr1	3248707	3248707	+	2.854E-13	3.8988E-12	-0.21759	hypo	sig	chr1_3248707
chr1	3076165	3076165	+	2.859E-13	3.90503E-12	-0.21645	hypo	sig	chr1_3076165
chr13	25095973	25095973	+	2.859E-13	3.90552E-12	0.203203	hyper	sig	chr13_25095973
chr19	13013799	13013799	+	2.862E-13	3.90884E-12	0.220812	hyper	sig	chr19_13013799

chr17	39165633	39165633	+	2.87E-13	3.91926E-12	0.259255	hyper	sig	chr17_39165633
chr17	2052187	2052187	+	2.877E-13	3.92915E-12	-0.20776	hypo	sig	chr17_2052187
chr14	1.01E+08	101004962	+	2.878E-13	3.93042E-12	-0.23054	hypo	sig	chr14_101004962
chr13	99658191	99658191	+	2.885E-13	3.93951E-12	0.205562	hyper	sig	chr13_99658191
chr2	1842160	1842160	+	2.888E-13	3.94268E-12	-0.21633	hypo	sig	chr2_1842160
chr15	79433298	79433298	+	2.891E-13	3.94662E-12	0.200087	hyper	sig	chr15_79433298
chr6	1.08E+08	108166239	+	2.894E-13	3.95032E-12	0.281477	hyper	sig	chr6_108166239
chr1	22559162	22559162	+	2.896E-13	3.953E-12	-0.2049	hypo	sig	chr1_22559162
chr16	49273212	49273212	+	2.896E-13	3.95382E-12	-0.24767	hypo	sig	chr16_49273212
chr19	3773174	3773174	+	2.908E-13	3.96868E-12	-0.21949	hypo	sig	chr19_3773174
chr6	37565336	37565336	+	2.913E-13	3.97584E-12	-0.28257	hypo	sig	chr6_37565336
chr19	3924482	3924482	+	2.919E-13	3.98389E-12	-0.22991	hypo	sig	chr19_3924482
chr16	51111008	51111008	+	2.924E-13	3.99093E-12	-0.27968	hypo	sig	chr16_51111008
chr5	1.81E+08	180813713	+	2.926E-13	3.9928E-12	-0.22009	hypo	sig	chr5_180813713
chr17	20938280	20938280	+	2.928E-13	3.99535E-12	-0.20242	hypo	sig	chr17_20938280
chr19	665869	665869	+	2.943E-13	4.01479E-12	-0.22322	hypo	sig	chr19_665869
chr8	1.42E+08	142432080	+	2.943E-13	4.01572E-12	-0.21304	hypo	sig	chr8_142432080
chr6	1.7E+08	170023594	+	2.945E-13	4.01764E-12	0.2591	hyper	sig	chr6_170023594
chr19	48966392	48966392	+	2.956E-13	4.03198E-12	-0.31997	hypo	sig	chr19_48966392
chr7	1.37E+08	136869446	+	2.957E-13	4.03356E-12	0.227057	hyper	sig	chr7_136869446
chr2	73291668	73291668	+	2.959E-13	4.03599E-12	0.22455	hyper	sig	chr2_73291668
chr10	13891485	13891485	+	2.96E-13	4.03693E-12	0.230022	hyper	sig	chr10_13891485
chr15	26968040	26968040	+	2.961E-13	4.03816E-12	0.213125	hyper	sig	chr15_26968040
chr9	1.33E+08	133425828	+	2.961E-13	4.03875E-12	-0.20677	hypo	sig	chr9_133425828
chr4	26039519	26039519	+	2.967E-13	4.04594E-12	-0.2543	hypo	sig	chr4_26039519
chr19	18869935	18869935	+	2.975E-13	4.0567E-12	0.268726	hyper	sig	chr19_18869935
chr3	1.02E+08	101677814	+	2.976E-13	4.05883E-12	-0.23533	hypo	sig	chr3_101677814
chr19	56839891	56839891	+	2.981E-13	4.0654E-12	0.219218	hyper	sig	chr19_56839891
chr16	30474252	30474252	+	2.986E-13	4.07097E-12	0.226322	hyper	sig	chr16_30474252
chr21	44936946	44936946	+	2.987E-13	4.07198E-12	-0.22893	hypo	sig	chr21_44936946
chr19	36775846	36775846	+	3.003E-13	4.09359E-12	0.219865	hyper	sig	chr19_36775846
chr19	2306442	2306442	+	3.008E-13	4.10012E-12	-0.20933	hypo	sig	chr19_2306442
chr15	29688731	29688731	+	3.009E-13	4.10194E-12	-0.22327	hypo	sig	chr15_29688731
chr15	1.01E+08	100861396	+	3.024E-13	4.12146E-12	-0.20991	hypo	sig	chr15_100861396
chr7	56229337	56229337	+	3.024E-13	4.12154E-12	-0.21932	hypo	sig	chr7_56229337
chr13	99997593	99997593	+	3.034E-13	4.13427E-12	0.213156	hyper	sig	chr13_99997593
chr1	3223900	3223900	+	3.035E-13	4.13497E-12	-0.2126	hypo	sig	chr1_3223900
chr11	68980956	68980956	+	3.038E-13	4.13884E-12	-0.25456	hypo	sig	chr11_68980956
chr1	2.21E+08	220891611	+	3.039E-13	4.14016E-12	0.219116	hyper	sig	chr1_220891611
chr10	31134359	31134359	+	3.051E-13	4.15636E-12	0.2472	hyper	sig	chr10_31134359
chr5	45695297	45695297	+	3.057E-13	4.1639E-12	0.272291	hyper	sig	chr5_45695297
chr5	77638550	77638550	+	3.062E-13	4.17012E-12	0.221863	hyper	sig	chr5_77638550
chr5	555671	555671	+	3.069E-13	4.1794E-12	-0.20601	hypo	sig	chr5_555671
chr19	8982522	8982522	+	3.075E-13	4.18778E-12	-0.21413	hypo	sig	chr19_8982522
chr14	99792897	99792897	+	3.078E-13	4.1924E-12	0.22606	hyper	sig	chr14_99792897
chr1	1.11E+08	111271217	+	3.084E-13	4.19946E-12	0.231871	hyper	sig	chr1_111271217
chr13	78587019	78587019	+	3.087E-13	4.20394E-12	0.219879	hyper	sig	chr13_78587019
chr9	22447689	22447689	+	3.088E-13	4.20459E-12	0.201451	hyper	sig	chr9_22447689
chr6	1.69E+08	169169718	+	3.095E-13	4.21366E-12	-0.20222	hypo	sig	chr6_169169718
chr3	32819686	32819686	+	3.105E-13	4.2272E-12	0.211787	hyper	sig	chr3_32819686
chr17	49496178	49496178	+	3.107E-13	4.23008E-12	0.317085	hyper	sig	chr17_49496178
chr8	57279556	57279556	+	3.113E-13	4.23751E-12	-0.2278	hypo	sig	chr8_57279556
chr19	56507314	56507314	+	3.115E-13	4.23943E-12	0.257428	hyper	sig	chr19_56507314
chr4	15787576	15787576	+	3.12E-13	4.24637E-12	-0.21817	hypo	sig	chr4_15787576
chr11	2826263	2826263	+	3.129E-13	4.25846E-12	0.21286	hyper	sig	chr11_2826263
chr5	1.46E+08	146343118	+	3.135E-13	4.26667E-12	0.201387	hyper	sig	chr5_146343118

chr1	21591121	21591121	+	3.138E-13	4.27046E-12	-0.23973	hypo	sig	chr1_21591121
chr19	57708688	57708688	+	3.149E-13	4.28458E-12	0.283196	hyper	sig	chr19_57708688
chr16	67207371	67207371	+	3.166E-13	4.30621E-12	-0.20681	hypo	sig	chr16_67207371
chr12	54004694	54004694	+	3.166E-13	4.30692E-12	0.225487	hyper	sig	chr12_54004694
chr15	23897851	23897851	+	3.171E-13	4.31276E-12	0.215891	hyper	sig	chr15_23897851
chr16	84032595	84032595	+	3.172E-13	4.31407E-12	-0.22266	hypo	sig	chr16_84032595
chr13	70108217	70108217	+	3.172E-13	4.31467E-12	0.221683	hyper	sig	chr13_70108217
chr4	666627	666627	+	3.191E-13	4.33954E-12	-0.27618	hypo	sig	chr4_666627
chr10	1.2E+08	119541542	+	3.197E-13	4.34786E-12	0.211217	hyper	sig	chr10_119541542
chr3	1.43E+08	142964334	+	3.198E-13	4.34908E-12	0.291327	hyper	sig	chr3_142964334
chr13	27821201	27821201	+	3.2E-13	4.35126E-12	0.25211	hyper	sig	chr13_27821201
chr17	82283548	82283548	+	3.204E-13	4.35646E-12	-0.20507	hypo	sig	chr17_82283548
chr1	1.57E+08	156816825	+	3.207E-13	4.35998E-12	-0.26724	hypo	sig	chr1_156816825
chr19	49030031	49030031	+	3.214E-13	4.36926E-12	-0.21014	hypo	sig	chr19_49030031
chr17	38841235	38841235	+	3.233E-13	4.39439E-12	0.210036	hyper	sig	chr17_38841235
chr2	1.37E+08	136765012	+	3.239E-13	4.40267E-12	0.284771	hyper	sig	chr2_136765012
chr19	58118741	58118741	+	3.24E-13	4.40316E-12	0.21136	hyper	sig	chr19_58118741
chr2	10091618	10091618	+	3.244E-13	4.4094E-12	0.200573	hyper	sig	chr2_10091618
chr6	72182347	72182347	+	3.246E-13	4.41166E-12	0.266578	hyper	sig	chr6_72182347
chr1	1.19E+08	118980248	+	3.25E-13	4.41626E-12	0.291352	hyper	sig	chr1_118980248
chr10	99236563	99236563	+	3.256E-13	4.42411E-12	0.281602	hyper	sig	chr10_99236563
chr8	71558268	71558268	+	3.259E-13	4.42791E-12	0.234971	hyper	sig	chr8_71558268
chr15	83108330	83108330	+	3.26E-13	4.43001E-12	0.223054	hyper	sig	chr15_83108330
chr7	71132520	71132520	+	3.275E-13	4.44975E-12	0.237425	hyper	sig	chr7_71132520
chr7	1.41E+08	140527462	+	3.276E-13	4.45013E-12	-0.20604	hypo	sig	chr7_140527462
chr8	11799233	11799233	+	3.277E-13	4.45256E-12	-0.28175	hypo	sig	chr8_11799233
chr16	48235513	48235513	+	3.288E-13	4.46644E-12	-0.20066	hypo	sig	chr16_48235513
chr12	65278343	65278343	+	3.302E-13	4.48466E-12	0.235123	hyper	sig	chr12_65278343
chr16	3175004	3175004	+	3.303E-13	4.48643E-12	0.211829	hyper	sig	chr16_3175004
chr11	20670567	20670567	+	3.307E-13	4.49174E-12	0.24408	hyper	sig	chr11_20670567
chr3	58305163	58305163	+	3.309E-13	4.4939E-12	-0.21964	hypo	sig	chr3_58305163
chr19	50548707	50548707	+	3.315E-13	4.50271E-12	-0.26586	hypo	sig	chr19_50548707
chr10	23172372	23172372	+	3.324E-13	4.51413E-12	0.27912	hyper	sig	chr10_23172372
chr14	94773806	94773806	+	3.327E-13	4.51815E-12	0.265155	hyper	sig	chr14_94773806
chr13	31945883	31945883	+	3.329E-13	4.52072E-12	-0.20836	hypo	sig	chr13_31945883
chr10	13891576	13891576	+	3.331E-13	4.52315E-12	0.24026	hyper	sig	chr10_13891576
chr10	25933877	25933877	+	3.336E-13	4.52959E-12	0.210544	hyper	sig	chr10_25933877
chr6	29792140	29792140	+	3.341E-13	4.53578E-12	0.209693	hyper	sig	chr6_29792140
chr1	37041692	37041692	+	3.344E-13	4.53979E-12	-0.23516	hypo	sig	chr1_37041692
chr17	44967367	44967367	+	3.345E-13	4.54109E-12	0.204886	hyper	sig	chr17_44967367
chr5	1.29E+08	128965017	+	3.346E-13	4.54269E-12	0.353723	hyper	sig	chr5_128965017
chr7	23247603	23247603	+	3.356E-13	4.55569E-12	0.268329	hyper	sig	chr7_23247603
chr9	96049153	96049153	+	3.363E-13	4.56465E-12	-0.24864	hypo	sig	chr9_96049153
chr1	1.15E+08	114855502	+	3.364E-13	4.5665E-12	0.221732	hyper	sig	chr1_114855502
chr3	68931796	68931796	+	3.365E-13	4.56837E-12	0.208032	hyper	sig	chr3_68931796
chr10	62378197	62378197	+	3.369E-13	4.5733E-12	-0.21281	hypo	sig	chr10_62378197
chr12	1.32E+08	132399795	+	3.372E-13	4.57617E-12	-0.22454	hypo	sig	chr12_132399795
chr6	1.08E+08	108166231	+	3.382E-13	4.58983E-12	0.284368	hyper	sig	chr6_108166231
chr5	63961731	63961731	+	3.383E-13	4.59049E-12	0.241752	hyper	sig	chr5_63961731
chr15	74370256	74370256	+	3.385E-13	4.59368E-12	-0.21876	hypo	sig	chr15_74370256
chr3	1.43E+08	143121433	+	3.389E-13	4.5989E-12	0.217557	hyper	sig	chr3_143121433
chr19	844084	844084	+	3.39E-13	4.59928E-12	-0.23847	hypo	sig	chr19_844084
chr20	63240075	63240075	+	3.393E-13	4.60335E-12	-0.23362	hypo	sig	chr20_63240075
chr16	70117631	70117631	+	3.393E-13	4.60418E-12	-0.23415	hypo	sig	chr16_70117631
chr16	3257392	3257392	+	3.394E-13	4.60538E-12	-0.22679	hypo	sig	chr16_3257392
chr16	85212748	85212748	+	3.394E-13	4.60538E-12	-0.25731	hypo	sig	chr16_85212748

chr12	1.33E+08	132977103	+	3.399E-13	4.61148E-12	0.232766	hyper	sig	chr12_132977103
chr14	1.04E+08	104170229	+	3.402E-13	4.6153E-12	-0.23455	hypo	sig	chr14_104170229
chr17	78460204	78460204	+	3.409E-13	4.62438E-12	-0.21459	hypo	sig	chr17_78460204
chr8	90791985	90791985	+	3.409E-13	4.62472E-12	0.206234	hyper	sig	chr8_90791985
chr5	2750149	2750149	+	3.425E-13	4.64469E-12	0.255094	hyper	sig	chr5_2750149
chr17	48581617	48581617	+	3.428E-13	4.64949E-12	-0.2522	hypo	sig	chr17_48581617
chr8	19602686	19602686	+	3.433E-13	4.65605E-12	0.231652	hyper	sig	chr8_19602686
chr7	1567684	1567684	+	3.434E-13	4.65654E-12	-0.22107	hypo	sig	chr7_1567684
chr12	48184764	48184764	+	3.44E-13	4.66495E-12	0.25016	hyper	sig	chr12_48184764
chr20	63177419	63177419	+	3.447E-13	4.67419E-12	0.216263	hyper	sig	chr20_63177419
chr19	2516968	2516968	+	3.456E-13	4.685E-12	-0.23472	hypo	sig	chr19_2516968
chr1	1.79E+08	179365041	+	3.464E-13	4.69627E-12	-0.24265	hypo	sig	chr1_179365041
chr5	1.27E+08	126594325	+	3.469E-13	4.7018E-12	-0.22532	hypo	sig	chr5_126594325
chr7	1232886	1232886	+	3.473E-13	4.70683E-12	0.214142	hyper	sig	chr7_1232886
chr3	13654245	13654245	+	3.487E-13	4.72526E-12	-0.20442	hypo	sig	chr3_13654245
chr1	6026648	6026648	+	3.518E-13	4.76689E-12	-0.24165	hypo	sig	chr1_6026648
chr3	1.34E+08	133674301	+	3.518E-13	4.76701E-12	0.265794	hyper	sig	chr3_133674301
chr1	1.81E+08	180939465	+	3.525E-13	4.77543E-12	-0.22184	hypo	sig	chr1_180939465
chr5	80653520	80653520	+	3.533E-13	4.78597E-12	-0.26644	hypo	sig	chr5_80653520
chr17	15917767	15917767	+	3.535E-13	4.78853E-12	0.25666	hyper	sig	chr17_15917767
chr6	30464353	30464353	+	3.535E-13	4.78918E-12	0.24463	hyper	sig	chr6_30464353
chr5	1.41E+08	141245762	+	3.535E-13	4.78922E-12	0.206912	hyper	sig	chr5_141245762
chr8	42123927	42123927	+	3.543E-13	4.79856E-12	-0.23876	hypo	sig	chr8_42123927
chr7	1.58E+08	157688399	+	3.544E-13	4.80034E-12	0.204943	hyper	sig	chr7_157688399
chr10	1.33E+08	133047538	+	3.545E-13	4.80071E-12	-0.20174	hypo	sig	chr10_133047538
chr15	95327066	95327066	+	3.548E-13	4.80579E-12	0.213126	hyper	sig	chr15_95327066
chr17	81412661	81412661	+	3.553E-13	4.81151E-12	-0.22717	hypo	sig	chr17_81412661
chr11	30016328	30016328	+	3.557E-13	4.8174E-12	0.266415	hyper	sig	chr11_30016328
chr13	1.1E+08	110457398	+	3.581E-13	4.84842E-12	-0.23253	hypo	sig	chr13_110457398
chr17	79048406	79048406	+	3.594E-13	4.86536E-12	-0.26059	hypo	sig	chr17_79048406
chr2	55923931	55923931	+	3.595E-13	4.86618E-12	0.245695	hyper	sig	chr2_55923931
chr3	1.24E+08	123692351	+	3.597E-13	4.86948E-12	-0.25799	hypo	sig	chr3_123692351
chr2	2.08E+08	208124570	+	3.599E-13	4.8718E-12	0.212029	hyper	sig	chr2_208124570
chr1	1.56E+08	156161455	+	3.602E-13	4.87573E-12	0.242869	hyper	sig	chr1_156161455
chr5	1.35E+08	135050568	+	3.604E-13	4.87823E-12	0.232958	hyper	sig	chr5_135050568
chr8	1.32E+08	131903554	+	3.612E-13	4.88783E-12	-0.23986	hypo	sig	chr8_131903554
chr17	79048357	79048357	+	3.623E-13	4.90253E-12	-0.28665	hypo	sig	chr17_79048357
chr5	1.76E+08	175777170	+	3.629E-13	4.91003E-12	-0.22199	hypo	sig	chr5_175777170
chr7	64495408	64495408	+	3.632E-13	4.91414E-12	0.219684	hyper	sig	chr7_64495408
chr5	1.79E+08	178994286	+	3.637E-13	4.92011E-12	0.204235	hyper	sig	chr5_178994286
chr5	1.41E+08	141215598	+	3.637E-13	4.92047E-12	0.2104	hyper	sig	chr5_141215598
chr12	1865508	1865508	+	3.645E-13	4.93093E-12	-0.21914	hypo	sig	chr12_1865508
chr6	77467103	77467103	+	3.645E-13	4.93106E-12	0.210727	hyper	sig	chr6_77467103
chr10	26211766	26211766	+	3.65E-13	4.93658E-12	0.226951	hyper	sig	chr10_26211766
chr8	25001428	25001428	+	3.671E-13	4.96411E-12	0.20113	hyper	sig	chr8_25001428
chr13	50133232	50133232	+	3.672E-13	4.96526E-12	0.208371	hyper	sig	chr13_50133232
chr3	1.82E+08	181724388	+	3.683E-13	4.97982E-12	0.25908	hyper	sig	chr3_181724388
chr10	69232469	69232469	+	3.686E-13	4.9841E-12	-0.21012	hypo	sig	chr10_69232469
chr5	1.38E+08	137889278	+	3.703E-13	5.00584E-12	0.201733	hyper	sig	chr5_137889278
chr20	63752128	63752128	+	3.711E-13	5.01582E-12	-0.22705	hypo	sig	chr20_63752128
chr15	93900843	93900843	+	3.725E-13	5.03524E-12	-0.21506	hypo	sig	chr15_93900843
chr12	49904144	49904144	+	3.73E-13	5.04142E-12	0.218527	hyper	sig	chr12_49904144
chr2	2.42E+08	241985252	+	3.731E-13	5.04163E-12	-0.21459	hypo	sig	chr2_241985252
chr1	2030551	2030551	+	3.742E-13	5.0565E-12	-0.2227	hypo	sig	chr1_2030551
chr4	1.54E+08	153760186	+	3.745E-13	5.05934E-12	0.26143	hyper	sig	chr4_153760186
chr10	1.01E+08	100659456	+	3.745E-13	5.06019E-12	0.264177	hyper	sig	chr10_100659456

chr8	23710499	23710499	+	3.757E-13	5.07465E-12	0.233188	hyper	sig	chr8_23710499
chr12	55705218	55705218	+	3.758E-13	5.07666E-12	-0.22172	hypo	sig	chr12_55705218
chr13	1.13E+08	113420032	+	3.765E-13	5.08491E-12	-0.2058	hypo	sig	chr13_113420032
chr22	50089790	50089790	+	3.77E-13	5.09168E-12	0.21827	hyper	sig	chr22_50089790
chr16	87881790	87881790	+	3.783E-13	5.10957E-12	-0.28124	hypo	sig	chr16_87881790
chr1	1.44E+08	143652837	+	3.786E-13	5.11337E-12	0.20254	hyper	sig	chr1_143652837
chr18	47249200	47249200	+	3.799E-13	5.13017E-12	0.213585	hyper	sig	chr18_47249200
chr1	50048046	50048046	+	3.811E-13	5.14674E-12	0.236828	hyper	sig	chr1_50048046
chr2	71041786	71041786	+	3.817E-13	5.15435E-12	-0.20266	hypo	sig	chr2_71041786
chr13	23159282	23159282	+	3.819E-13	5.1571E-12	0.250235	hyper	sig	chr13_23159282
chr3	42877294	42877294	+	3.82E-13	5.15726E-12	-0.20404	hypo	sig	chr3_42877294
chr7	6664418	6664418	+	3.82E-13	5.15726E-12	0.214645	hyper	sig	chr7_6664418
chr12	1.31E+08	131474477	+	3.82E-13	5.15799E-12	-0.20173	hypo	sig	chr12_131474477
chr19	48141014	48141014	+	3.825E-13	5.16411E-12	0.2627	hyper	sig	chr19_48141014
chr6	16216918	16216918	+	3.827E-13	5.16647E-12	0.258168	hyper	sig	chr6_16216918
chr2	1.37E+08	136770034	+	3.83E-13	5.17106E-12	-0.24039	hypo	sig	chr2_136770034
chr12	49095221	49095221	+	3.838E-13	5.1809E-12	-0.24901	hypo	sig	chr12_49095221
chr11	64972183	64972183	+	3.839E-13	5.18249E-12	0.301198	hyper	sig	chr11_64972183
chr5	1.41E+08	141364802	+	3.839E-13	5.18249E-12	0.230887	hyper	sig	chr5_141364802
chr5	93573065	93573065	+	3.846E-13	5.19097E-12	0.222398	hyper	sig	chr5_93573065
chr8	1816684	1816684	+	3.854E-13	5.20143E-12	-0.21609	hypo	sig	chr8_1816684
chr2	6918448	6918448	+	3.855E-13	5.20242E-12	0.203139	hyper	sig	chr2_6918448
chr6	35797438	35797438	+	3.859E-13	5.20781E-12	-0.21694	hypo	sig	chr6_35797438
chr7	1383283	1383283	+	3.861E-13	5.21044E-12	-0.22472	hypo	sig	chr7_1383283
chr13	78607321	78607321	+	3.862E-13	5.21162E-12	0.261308	hyper	sig	chr13_78607321
chr7	50308825	50308825	+	3.867E-13	5.21744E-12	-0.22255	hypo	sig	chr7_50308825
chr19	55118585	55118585	+	3.876E-13	5.22971E-12	0.204513	hyper	sig	chr19_55118585
chr19	41090195	41090195	+	3.879E-13	5.23361E-12	0.213108	hyper	sig	chr19_41090195
chr17	8324609	8324609	+	3.897E-13	5.25618E-12	-0.24428	hypo	sig	chr17_8324609
chr15	83285112	83285112	+	3.904E-13	5.26525E-12	0.257244	hyper	sig	chr15_83285112
chr6	1625040	1625040	+	3.905E-13	5.26648E-12	0.238493	hyper	sig	chr6_1625040
chr1	2.13E+08	213016431	+	3.905E-13	5.26664E-12	-0.24186	hypo	sig	chr1_213016431
chr14	28785847	28785847	+	3.905E-13	5.26711E-12	0.245405	hyper	sig	chr14_28785847
chr13	94707718	94707718	+	3.906E-13	5.26746E-12	0.267708	hyper	sig	chr13_94707718
chr20	17225909	17225909	+	3.911E-13	5.27455E-12	0.216622	hyper	sig	chr20_17225909
chr2	2.37E+08	236507699	+	3.919E-13	5.2851E-12	0.254131	hyper	sig	chr2_236507699
chr11	1.13E+08	112963751	+	3.926E-13	5.29311E-12	0.226129	hyper	sig	chr11_112963751
chr3	1.72E+08	172447965	+	3.927E-13	5.29519E-12	0.250967	hyper	sig	chr3_172447965
chr14	1.05E+08	104946645	+	3.941E-13	5.3129E-12	-0.2102	hypo	sig	chr14_104946645
chr8	1.04E+08	104466452	+	3.941E-13	5.31293E-12	0.245916	hyper	sig	chr8_104466452
chr1	1.71E+08	170660457	+	3.958E-13	5.33503E-12	0.251787	hyper	sig	chr1_170660457
chr4	48484355	48484355	+	3.969E-13	5.35035E-12	0.211062	hyper	sig	chr4_48484355
chr8	1.31E+08	131038934	+	3.974E-13	5.35624E-12	-0.26147	hypo	sig	chr8_131038934
chr4	693289	693289	+	3.977E-13	5.36081E-12	-0.20442	hypo	sig	chr4_693289
chr11	71610377	71610377	+	3.978E-13	5.36148E-12	-0.23082	hypo	sig	chr11_71610377
chr16	86733076	86733076	+	3.996E-13	5.38531E-12	0.216546	hyper	sig	chr16_86733076
chr19	12155671	12155671	+	4.002E-13	5.39233E-12	0.224857	hyper	sig	chr19_12155671
chr2	95158532	95158532	+	4.018E-13	5.41339E-12	-0.29831	hypo	sig	chr2_95158532
chr12	1.13E+08	113464994	+	4.021E-13	5.41727E-12	0.210488	hyper	sig	chr12_113464994
chr11	62688364	62688364	+	4.04E-13	5.44274E-12	0.27803	hyper	sig	chr11_62688364
chr11	1.23E+08	122980102	+	4.041E-13	5.44313E-12	0.210656	hyper	sig	chr11_122980102
chr7	94012149	94012149	+	4.042E-13	5.44446E-12	-0.24459	hypo	sig	chr7_94012149
chr3	1.12E+08	112185997	+	4.043E-13	5.44658E-12	0.213768	hyper	sig	chr3_112185997
chr17	49994443	49994443	+	4.05E-13	5.45513E-12	0.207547	hyper	sig	chr17_49994443
chr2	88448475	88448475	+	4.055E-13	5.46111E-12	-0.2034	hypo	sig	chr2_88448475
chr12	54031634	54031634	+	4.06E-13	5.46748E-12	0.241925	hyper	sig	chr12_54031634

chr15	36880056	36880056	+	4.06E-13	5.4681E-12	0.209074	hyper	sig	chr15_36880056
chr4	1.47E+08	147481047	+	4.061E-13	5.46897E-12	0.301845	hyper	sig	chr4_147481047
chr19	39878230	39878230	+	4.066E-13	5.47569E-12	-0.20835	hypo	sig	chr19_39878230
chr20	37902497	37902497	+	4.072E-13	5.48275E-12	0.247734	hyper	sig	chr20_37902497
chr4	13528478	13528478	+	4.073E-13	5.48356E-12	0.229862	hyper	sig	chr4_13528478
chr13	27442473	27442473	+	4.074E-13	5.48547E-12	-0.22267	hypo	sig	chr13_27442473
chr16	85982821	85982821	+	4.089E-13	5.50486E-12	-0.20209	hypo	sig	chr16_85982821
chr17	4785929	4785929	+	4.104E-13	5.52356E-12	0.241625	hyper	sig	chr17_4785929
chr5	1.41E+08	140801648	+	4.108E-13	5.52886E-12	0.260575	hyper	sig	chr5_140801648
chr16	49790473	49790473	+	4.113E-13	5.53521E-12	-0.20223	hypo	sig	chr16_49790473
chr3	65356545	65356545	+	4.116E-13	5.53899E-12	0.276759	hyper	sig	chr3_65356545
chr22	19149409	19149409	+	4.122E-13	5.54659E-12	0.22129	hyper	sig	chr22_19149409
chr10	90857072	90857072	+	4.128E-13	5.55474E-12	0.243582	hyper	sig	chr10_90857072
chr19	42005931	42005931	+	4.13E-13	5.55679E-12	-0.23732	hypo	sig	chr19_42005931
chr20	33003925	33003925	+	4.133E-13	5.56106E-12	-0.25378	hypo	sig	chr20_33003925
chr11	1872394	1872394	+	4.139E-13	5.56977E-12	-0.24941	hypo	sig	chr11_1872394
chr2	1.33E+08	132671423	+	4.143E-13	5.57467E-12	-0.24764	hypo	sig	chr2_132671423
chr16	51150029	51150029	+	4.151E-13	5.58464E-12	0.241077	hyper	sig	chr16_51150029
chr2	31233024	31233024	+	4.156E-13	5.59094E-12	-0.20455	hypo	sig	chr2_31233024
chr16	54932803	54932803	+	4.161E-13	5.59739E-12	0.281978	hyper	sig	chr16_54932803
chr9	1.28E+08	127924106	+	4.182E-13	5.62461E-12	-0.27089	hypo	sig	chr9_127924106
chr7	1.3E+08	130492135	+	4.185E-13	5.62853E-12	0.253989	hyper	sig	chr7_130492135
chr15	95327069	95327069	+	4.191E-13	5.63623E-12	0.204989	hyper	sig	chr15_95327069
chr15	99062252	99062252	+	4.192E-13	5.63797E-12	-0.21496	hypo	sig	chr15_99062252
chr16	54291399	54291399	+	4.194E-13	5.64073E-12	0.215684	hyper	sig	chr16_54291399
chr2	48617125	48617125	+	4.204E-13	5.65403E-12	-0.31596	hypo	sig	chr2_48617125
chr16	3950473	3950473	+	4.23E-13	5.68737E-12	-0.23097	hypo	sig	chr16_3950473
chr2	1.21E+08	120960068	+	4.234E-13	5.69134E-12	-0.24158	hypo	sig	chr2_120960068
chr14	93906432	93906432	+	4.239E-13	5.69826E-12	-0.23368	hypo	sig	chr14_93906432
chr8	2022881	2022881	+	4.243E-13	5.70315E-12	-0.20194	hypo	sig	chr8_2022881
chr12	38904770	38904770	+	4.243E-13	5.70388E-12	0.28068	hyper	sig	chr12_38904770
chr5	5139497	5139497	+	4.265E-13	5.73217E-12	0.211565	hyper	sig	chr5_5139497
chr4	55157953	55157953	+	4.266E-13	5.73279E-12	0.304911	hyper	sig	chr4_55157953
chr22	38842571	38842571	+	4.267E-13	5.73363E-12	-0.29752	hypo	sig	chr22_38842571
chr16	88101205	88101205	+	4.279E-13	5.74982E-12	0.208268	hyper	sig	chr16_88101205
chr19	53329046	53329046	+	4.298E-13	5.775E-12	0.297298	hyper	sig	chr19_53329046
chr15	74956157	74956157	+	4.3E-13	5.77653E-12	-0.21519	hypo	sig	chr15_74956157
chr7	1235895	1235895	+	4.3E-13	5.77653E-12	0.302224	hyper	sig	chr7_1235895
chr19	53058310	53058310	+	4.3E-13	5.77692E-12	0.272156	hyper	sig	chr19_53058310
chr7	27101872	27101872	+	4.304E-13	5.78134E-12	0.245697	hyper	sig	chr7_27101872
chr15	23897788	23897788	+	4.306E-13	5.78395E-12	0.237015	hyper	sig	chr15_23897788
chr2	1.32E+08	131830101	+	4.334E-13	5.82035E-12	0.204384	hyper	sig	chr2_131830101
chr6	28635938	28635938	+	4.337E-13	5.82429E-12	0.22119	hyper	sig	chr6_28635938
chr7	27107981	27107981	+	4.349E-13	5.83993E-12	0.280484	hyper	sig	chr7_27107981
chr8	56446389	56446389	+	4.354E-13	5.84649E-12	0.270046	hyper	sig	chr8_56446389
chr17	38562285	38562285	+	4.368E-13	5.86477E-12	0.218117	hyper	sig	chr17_38562285
chr7	1.58E+08	158321898	+	4.376E-13	5.87551E-12	-0.21377	hypo	sig	chr7_158321898
chr21	46599325	46599325	+	4.377E-13	5.8767E-12	-0.21701	hypo	sig	chr21_46599325
chr19	45681151	45681151	+	4.38E-13	5.88072E-12	-0.203	hypo	sig	chr19_45681151
chr3	1.43E+08	142964357	+	4.391E-13	5.89445E-12	0.25061	hyper	sig	chr3_142964357
chr5	1658881	1658881	+	4.391E-13	5.89451E-12	-0.23265	hypo	sig	chr5_1658881
chr6	28885332	28885332	+	4.396E-13	5.90042E-12	0.237077	hyper	sig	chr6_28885332
chr10	49613551	49613551	+	4.409E-13	5.9174E-12	0.222176	hyper	sig	chr10_49613551
chr5	42995535	42995535	+	4.426E-13	5.93981E-12	0.261537	hyper	sig	chr5_42995535
chr11	1908023	1908023	+	4.426E-13	5.94038E-12	-0.2059	hypo	sig	chr11_1908023
chr2	73203601	73203601	+	4.427E-13	5.9409E-12	0.239175	hyper	sig	chr2_73203601

chr12	1.32E+08	131660375	+	4.435E-13	5.95111E-12	-0.21022	hypo	sig	chr12_131660375
chr22	46085039	46085039	+	4.435E-13	5.95144E-12	-0.21516	hypo	sig	chr22_46085039
chr5	73436221	73436221	+	4.44E-13	5.95814E-12	0.230138	hyper	sig	chr5_73436221
chr15	74132767	74132767	+	4.441E-13	5.95989E-12	0.236063	hyper	sig	chr15_74132767
chr10	42242717	42242717	+	4.445E-13	5.96384E-12	0.23478	hyper	sig	chr10_42242717
chr12	1.3E+08	130164408	+	4.45E-13	5.97045E-12	0.209001	hyper	sig	chr12_130164408
chr2	31580148	31580148	+	4.452E-13	5.97313E-12	0.22956	hyper	sig	chr2_31580148
chr14	20435396	20435396	+	4.455E-13	5.97685E-12	0.201038	hyper	sig	chr14_20435396
chr19	37817506	37817506	+	4.459E-13	5.98201E-12	0.260921	hyper	sig	chr19_37817506
chr1	27011147	27011147	+	4.463E-13	5.98641E-12	-0.24938	hypo	sig	chr1_27011147
chr16	89916291	89916291	+	4.463E-13	5.98641E-12	-0.20291	hypo	sig	chr16_89916291
chr11	1.34E+08	134069785	+	4.466E-13	5.99006E-12	0.234368	hyper	sig	chr11_134069785
chr17	29018599	29018599	+	4.473E-13	6.00035E-12	-0.22432	hypo	sig	chr17_29018599
chr10	1.18E+08	117735107	+	4.474E-13	6.00148E-12	0.200673	hyper	sig	chr10_117735107
chr20	63690090	63690090	+	4.475E-13	6.00197E-12	-0.22475	hypo	sig	chr20_63690090
chr16	21638907	21638907	+	4.475E-13	6.00263E-12	-0.22376	hypo	sig	chr16_21638907
chr8	61013710	61013710	+	4.486E-13	6.01596E-12	-0.22162	hypo	sig	chr8_61013710
chr10	1.01E+08	100520139	+	4.486E-13	6.01597E-12	0.202514	hyper	sig	chr10_100520139
chr21	33024191	33024191	+	4.495E-13	6.02751E-12	0.209968	hyper	sig	chr21_33024191
chr11	26995133	26995133	+	4.502E-13	6.03645E-12	-0.23836	hypo	sig	chr11_26995133
chr1	1.07E+08	107477342	+	4.505E-13	6.04008E-12	-0.21914	hypo	sig	chr1_107477342
chr21	44395447	44395447	+	4.509E-13	6.04623E-12	-0.24847	hypo	sig	chr21_44395447
chr19	52370318	52370318	+	4.522E-13	6.06245E-12	0.208132	hyper	sig	chr19_52370318
chr6	10887522	10887522	+	4.523E-13	6.06322E-12	0.299278	hyper	sig	chr6_10887522
chr6	1.7E+08	170023591	+	4.523E-13	6.06322E-12	0.265951	hyper	sig	chr6_170023591
chr12	3593209	3593209	+	4.523E-13	6.06332E-12	-0.2003	hypo	sig	chr12_3593209
chr1	2.23E+08	223142892	+	4.526E-13	6.0669E-12	-0.21232	hypo	sig	chr1_223142892
chr7	51046026	51046026	+	4.532E-13	6.0752E-12	-0.27835	hypo	sig	chr7_51046026
chr7	10973244	10973244	+	4.536E-13	6.08104E-12	-0.25022	hypo	sig	chr7_10973244
chr12	1.11E+08	110744304	+	4.54E-13	6.08575E-12	-0.23397	hypo	sig	chr12_110744304
chr15	96367930	96367930	+	4.562E-13	6.1144E-12	0.245364	hyper	sig	chr15_96367930
chr10	92420741	92420741	+	4.571E-13	6.12502E-12	0.233384	hyper	sig	chr10_92420741
chr9	1.33E+08	132806543	+	4.582E-13	6.13988E-12	-0.23039	hypo	sig	chr9_132806543
chr6	83709682	83709682	+	4.589E-13	6.14852E-12	0.224587	hyper	sig	chr6_83709682
chr5	1.78E+08	177604194	+	4.592E-13	6.15208E-12	-0.23773	hypo	sig	chr5_177604194
chr9	1.35E+08	134819216	+	4.593E-13	6.15348E-12	-0.20835	hypo	sig	chr9_134819216
chr20	9838700	9838700	+	4.594E-13	6.15497E-12	0.279737	hyper	sig	chr20_9838700
chr10	25935025	25935025	+	4.598E-13	6.16002E-12	0.213716	hyper	sig	chr10_25935025
chr7	1.58E+08	158145143	+	4.599E-13	6.16191E-12	0.252593	hyper	sig	chr7_158145143
chr8	1.45E+08	144713286	+	4.604E-13	6.16817E-12	0.222987	hyper	sig	chr8_144713286
chr12	98455556	98455556	+	4.608E-13	6.17304E-12	-0.22995	hypo	sig	chr12_98455556
chr5	1.79E+08	179204792	+	4.618E-13	6.18685E-12	-0.2078	hypo	sig	chr5_179204792
chr22	19146195	19146195	+	4.62E-13	6.1884E-12	-0.24771	hypo	sig	chr22_19146195
chr1	6234577	6234577	+	4.621E-13	6.18948E-12	-0.22057	hypo	sig	chr1_6234577
chr20	58514897	58514897	+	4.632E-13	6.20376E-12	0.204201	hyper	sig	chr20_58514897
chr7	63901364	63901364	+	4.634E-13	6.20638E-12	0.202873	hyper	sig	chr7_63901364
chr17	7740424	7740424	+	4.645E-13	6.22037E-12	-0.26037	hypo	sig	chr17_7740424
chr12	65729529	65729529	+	4.651E-13	6.22852E-12	0.207802	hyper	sig	chr12_65729529
chr7	63100127	63100127	+	4.66E-13	6.24019E-12	-0.20315	hypo	sig	chr7_63100127
chr5	1.79E+08	178941414	+	4.66E-13	6.24034E-12	0.270196	hyper	sig	chr5_178941414
chr1	2.23E+08	223142877	+	4.68E-13	6.26559E-12	-0.2345	hypo	sig	chr1_223142877
chr12	57630299	57630299	+	4.686E-13	6.27301E-12	-0.22539	hypo	sig	chr12_57630299
chr4	1.74E+08	173500350	+	4.706E-13	6.29812E-12	0.2323	hyper	sig	chr4_173500350
chr8	90791497	90791497	+	4.706E-13	6.29915E-12	0.272712	hyper	sig	chr8_90791497
chr21	36704400	36704400	+	4.713E-13	6.30742E-12	0.209959	hyper	sig	chr21_36704400
chr18	52340178	52340178	+	4.716E-13	6.31088E-12	0.21989	hyper	sig	chr18_52340178

chr19	710844	710844	+	4.718E-13	6.31327E-12	-0.20785	hypo	sig	chr19_710844
chr14	1.05E+08	104926875	+	4.718E-13	6.31359E-12	-0.23461	hypo	sig	chr14_104926875
chr13	1.13E+08	113406383	+	4.744E-13	6.34809E-12	-0.2297	hypo	sig	chr13_113406383
chr15	82646234	82646234	+	4.747E-13	6.35181E-12	0.23792	hyper	sig	chr15_82646234
chr12	1.15E+08	114667499	+	4.754E-13	6.361E-12	0.248588	hyper	sig	chr12_114667499
chr13	94704049	94704049	+	4.771E-13	6.38243E-12	0.263529	hyper	sig	chr13_94704049
chr8	90791476	90791476	+	4.788E-13	6.40454E-12	0.261662	hyper	sig	chr8_90791476
chr2	2.39E+08	238597131	+	4.81E-13	6.43302E-12	-0.22437	hypo	sig	chr2_238597131
chr13	78608086	78608086	+	4.811E-13	6.43445E-12	0.201162	hyper	sig	chr13_78608086
chr3	1.33E+08	133379101	+	4.811E-13	6.43458E-12	-0.26288	hypo	sig	chr3_133379101
chr2	1.58E+08	157597662	+	4.812E-13	6.43597E-12	0.234495	hyper	sig	chr2_157597662
chr7	1.53E+08	152925025	+	4.817E-13	6.44182E-12	0.265212	hyper	sig	chr7_152925025
chr2	1.78E+08	178404483	+	4.821E-13	6.44817E-12	-0.20356	hypo	sig	chr2_178404483
chr11	15562073	15562073	+	4.824E-13	6.45194E-12	-0.3339	hypo	sig	chr11_15562073
chr16	30474257	30474257	+	4.842E-13	6.47537E-12	0.227811	hyper	sig	chr16_30474257
chr2	2.02E+08	202035780	+	4.848E-13	6.48231E-12	0.210426	hyper	sig	chr2_202035780
chr2	2.42E+08	241857422	+	4.862E-13	6.50022E-12	-0.24303	hypo	sig	chr2_241857422
chr17	80471070	80471070	+	4.868E-13	6.50749E-12	-0.20335	hypo	sig	chr17_80471070
chr19	47337200	47337200	+	4.888E-13	6.53297E-12	-0.22354	hypo	sig	chr19_47337200
chr19	1231279	1231279	+	4.89E-13	6.53616E-12	-0.20318	hypo	sig	chr19_1231279
chr17	48596458	48596458	+	4.893E-13	6.54014E-12	-0.24535	hypo	sig	chr17_48596458
chr9	1.33E+08	133205705	+	4.911E-13	6.56262E-12	-0.20739	hypo	sig	chr9_133205705
chr1	1.48E+08	148351297	+	4.915E-13	6.56808E-12	-0.22182	hypo	sig	chr1_148351297
chr7	64870485	64870485	+	4.92E-13	6.57476E-12	-0.20349	hypo	sig	chr7_64870485
chr5	38258249	38258249	+	4.934E-13	6.59295E-12	0.210205	hyper	sig	chr5_38258249
chr2	1.6E+08	160265942	+	4.951E-13	6.61464E-12	0.207097	hyper	sig	chr2_160265942
chr6	1.37E+08	137497243	+	4.965E-13	6.63246E-12	0.203671	hyper	sig	chr6_137497243
chr5	3536309	3536309	+	4.983E-13	6.65491E-12	-0.25125	hypo	sig	chr5_3536309
chr14	36584196	36584196	+	4.995E-13	6.67099E-12	0.201295	hyper	sig	chr14_36584196
chr7	10973246	10973246	+	4.996E-13	6.67228E-12	-0.24569	hypo	sig	chr7_10973246
chr5	88694271	88694271	+	5.001E-13	6.67882E-12	0.204042	hyper	sig	chr5_88694271
chr2	40452523	40452523	+	5.008E-13	6.6878E-12	0.237132	hyper	sig	chr2_40452523
chr9	98805366	98805366	+	5.009E-13	6.68874E-12	-0.23292	hypo	sig	chr9_98805366
chr11	1.34E+08	133912491	+	5.01E-13	6.6893E-12	-0.20756	hypo	sig	chr11_133912491
chr8	1.42E+08	141622394	+	5.015E-13	6.69647E-12	-0.26315	hypo	sig	chr8_141622394
chr1	47440537	47440537	+	5.02E-13	6.70301E-12	0.229408	hyper	sig	chr1_47440537
chr16	414505	414505	+	5.035E-13	6.72192E-12	-0.22578	hypo	sig	chr16_414505
chr11	1.19E+08	119152378	+	5.08E-13	6.78053E-12	-0.26705	hypo	sig	chr11_119152378
chr20	25081134	25081134	+	5.085E-13	6.78697E-12	0.209561	hyper	sig	chr20_25081134
chr5	1.46E+08	146339429	+	5.087E-13	6.78839E-12	0.209916	hyper	sig	chr5_146339429
chr3	1.38E+08	138101818	+	5.107E-13	6.81461E-12	-0.23371	hypo	sig	chr3_138101818
chr3	1.72E+08	172447810	+	5.109E-13	6.81622E-12	0.257492	hyper	sig	chr3_172447810
chr20	35438137	35438137	+	5.12E-13	6.8304E-12	-0.20829	hypo	sig	chr20_35438137
chr18	59305798	59305798	+	5.121E-13	6.83234E-12	-0.26173	hypo	sig	chr18_59305798
chr6	1.05E+08	104941642	+	5.152E-13	6.87144E-12	0.200746	hyper	sig	chr6_104941642
chr4	84496529	84496529	+	5.168E-13	6.89255E-12	0.200511	hyper	sig	chr4_84496529
chr6	1.61E+08	160679640	+	5.169E-13	6.89334E-12	0.267851	hyper	sig	chr6_160679640
chr2	27260825	27260825	+	5.174E-13	6.89884E-12	-0.20796	hypo	sig	chr2_27260825
chr15	52784671	52784671	+	5.181E-13	6.90805E-12	0.200187	hyper	sig	chr15_52784671
chr2	1.98E+08	197786856	+	5.191E-13	6.9212E-12	0.203102	hyper	sig	chr2_197786856
chr7	32761962	32761962	+	5.192E-13	6.92246E-12	0.226308	hyper	sig	chr7_32761962
chr10	1.25E+08	125029707	+	5.206E-13	6.94049E-12	-0.20678	hypo	sig	chr10_125029707
chr21	20997207	20997207	+	5.206E-13	6.94052E-12	0.257797	hyper	sig	chr21_20997207
chr2	1.82E+08	181682932	+	5.207E-13	6.94102E-12	0.275694	hyper	sig	chr2_181682932
chr11	1.3E+08	129974073	+	5.208E-13	6.94216E-12	-0.21333	hypo	sig	chr11_129974073
chr1	2.21E+08	220887592	+	5.221E-13	6.96034E-12	0.200503	hyper	sig	chr1_220887592

chr10	69103896	69103896	+	5.222E-13	6.96034E-12	-0.22186	hypo	sig	chr10_69103896
chr11	73305223	73305223	+	5.221E-13	6.96034E-12	-0.22884	hypo	sig	chr11_73305223
chr12	1.33E+08	132888331	+	5.221E-13	6.96034E-12	0.219261	hyper	sig	chr12_132888331
chr2	1.75E+08	174548647	+	5.224E-13	6.96365E-12	-0.25602	hypo	sig	chr2_174548647
chr17	75941592	75941592	+	5.226E-13	6.96578E-12	-0.22789	hypo	sig	chr17_75941592
chr7	35254872	35254872	+	5.226E-13	6.96638E-12	0.208186	hyper	sig	chr7_35254872
chr13	21263968	21263968	+	5.227E-13	6.96678E-12	-0.24529	hypo	sig	chr13_21263968
chr5	2757202	2757202	+	5.227E-13	6.96678E-12	0.215946	hyper	sig	chr5_2757202
chr3	42686329	42686329	+	5.245E-13	6.99002E-12	0.2154	hyper	sig	chr3_42686329
chr2	10316122	10316122	+	5.25E-13	6.99686E-12	-0.22854	hypo	sig	chr2_10316122
chr19	57709126	57709126	+	5.255E-13	7.00255E-12	0.202851	hyper	sig	chr19_57709126
chr6	1.68E+08	167815947	+	5.281E-13	7.03567E-12	-0.20972	hypo	sig	chr6_167815947
chr3	1.88E+08	188178434	+	5.287E-13	7.04307E-12	-0.20547	hypo	sig	chr3_188178434
chr11	18108502	18108502	+	5.291E-13	7.04791E-12	-0.20744	hypo	sig	chr11_18108502
chr19	40775175	40775175	+	5.292E-13	7.04953E-12	-0.20349	hypo	sig	chr19_40775175
chr11	92227199	92227199	+	5.299E-13	7.05846E-12	0.23204	hyper	sig	chr11_92227199
chr16	11676209	11676209	+	5.311E-13	7.07366E-12	-0.26392	hypo	sig	chr16_11676209
chr17	8347352	8347352	+	5.314E-13	7.07852E-12	0.283129	hyper	sig	chr17_8347352
chr3	1.26E+08	125756295	+	5.323E-13	7.09E-12	-0.24504	hypo	sig	chr3_125756295
chr9	1.37E+08	136986039	+	5.326E-13	7.09349E-12	0.230828	hyper	sig	chr9_136986039
chr14	60654065	60654065	+	5.328E-13	7.09631E-12	0.258934	hyper	sig	chr14_60654065
chr2	1.2E+08	119526782	+	5.333E-13	7.10282E-12	-0.30445	hypo	sig	chr2_119526782
chr6	10385240	10385240	+	5.356E-13	7.1316E-12	0.205487	hyper	sig	chr6_10385240
chr8	54455023	54455023	+	5.369E-13	7.14872E-12	0.219169	hyper	sig	chr8_54455023
chr11	94767619	94767619	+	5.371E-13	7.15075E-12	-0.23143	hypo	sig	chr11_94767619
chr4	9781246	9781246	+	5.375E-13	7.15541E-12	0.206821	hyper	sig	chr4_9781246
chr10	13891603	13891603	+	5.389E-13	7.17413E-12	0.200095	hyper	sig	chr10_13891603
chr3	1.34E+08	133746497	+	5.393E-13	7.17928E-12	0.217484	hyper	sig	chr3_133746497
chr3	1.02E+08	101677956	+	5.401E-13	7.18849E-12	-0.21485	hypo	sig	chr3_101677956
chr9	77019970	77019970	+	5.402E-13	7.19054E-12	0.20163	hyper	sig	chr9_77019970
chr4	760696	760696	+	5.41E-13	7.19994E-12	0.222925	hyper	sig	chr4_760696
chr12	52233034	52233034	+	5.411E-13	7.20067E-12	0.260459	hyper	sig	chr12_52233034
chr6	1.46E+08	146029317	+	5.418E-13	7.21014E-12	0.23075	hyper	sig	chr6_146029317
chr19	47448014	47448014	+	5.422E-13	7.21564E-12	0.222643	hyper	sig	chr19_47448014
chr7	48848042	48848042	+	5.434E-13	7.23132E-12	0.208515	hyper	sig	chr7_48848042
chr19	39515983	39515983	+	5.436E-13	7.23413E-12	0.237538	hyper	sig	chr19_39515983
chr12	29782522	29782522	+	5.438E-13	7.23612E-12	0.258232	hyper	sig	chr12_29782522
chr20	63126481	63126481	+	5.439E-13	7.2368E-12	-0.25863	hypo	sig	chr20_63126481
chr19	49433096	49433096	+	5.442E-13	7.24149E-12	0.226574	hyper	sig	chr19_49433096
chr1	3086751	3086751	+	5.448E-13	7.24852E-12	-0.2285	hypo	sig	chr1_3086751
chr20	46510099	46510099	+	5.45E-13	7.25064E-12	-0.21323	hypo	sig	chr20_46510099
chr19	52453798	52453798	+	5.457E-13	7.26015E-12	0.313358	hyper	sig	chr19_52453798
chr4	3767969	3767969	+	5.48E-13	7.29054E-12	0.214543	hyper	sig	chr4_3767969
chr3	13204195	13204195	+	5.481E-13	7.29121E-12	0.239446	hyper	sig	chr3_13204195
chr4	1.34E+08	134201255	+	5.483E-13	7.29413E-12	0.218527	hyper	sig	chr4_134201255
chr18	59273115	59273115	+	5.487E-13	7.29876E-12	0.207932	hyper	sig	chr18_59273115
chr7	99393859	99393859	+	5.487E-13	7.29888E-12	0.236508	hyper	sig	chr7_99393859
chr4	1.54E+08	153760208	+	5.51E-13	7.32926E-12	0.270897	hyper	sig	chr4_153760208
chr14	70187163	70187163	+	5.515E-13	7.33519E-12	0.28797	hyper	sig	chr14_70187163
chr7	183875	183875	+	5.533E-13	7.35738E-12	-0.22831	hypo	sig	chr7_183875
chr19	3481798	3481798	+	5.54E-13	7.36684E-12	-0.21021	hypo	sig	chr19_3481798
chr3	1.2E+08	120285450	+	5.567E-13	7.40151E-12	0.223767	hyper	sig	chr3_120285450
chr16	502223	502223	+	5.567E-13	7.40153E-12	-0.25502	hypo	sig	chr16_502223
chr3	13282179	13282179	+	5.572E-13	7.40767E-12	0.226906	hyper	sig	chr3_13282179
chr19	4605084	4605084	+	5.575E-13	7.41218E-12	-0.21027	hypo	sig	chr19_4605084
chr1	1.51E+08	150552948	+	5.578E-13	7.41505E-12	-0.22982	hypo	sig	chr1_150552948

chr19	3808700	3808700	+	5.593E-13	7.43477E-12	-0.21234	hypo	sig	chr19_3808700
chr13	24746678	24746678	+	5.597E-13	7.44019E-12	0.263253	hyper	sig	chr13_24746678
chr16	56193837	56193837	+	5.608E-13	7.45389E-12	0.205699	hyper	sig	chr16_56193837
chr17	44657174	44657174	+	5.612E-13	7.45859E-12	0.22528	hyper	sig	chr17_44657174
chr12	95549271	95549271	+	5.613E-13	7.46055E-12	0.210212	hyper	sig	chr12_95549271
chr1	2.01E+08	201127171	+	5.617E-13	7.46464E-12	-0.22038	hypo	sig	chr1_201127171
chr11	63763501	63763501	+	5.621E-13	7.47015E-12	-0.21598	hypo	sig	chr11_63763501
chr22	50447266	50447266	+	5.627E-13	7.47769E-12	-0.21953	hypo	sig	chr22_50447266
chr4	41879181	41879181	+	5.63E-13	7.48287E-12	0.253595	hyper	sig	chr4_41879181
chr16	3183385	3183385	+	5.65E-13	7.50797E-12	0.213312	hyper	sig	chr16_3183385
chr5	1.69E+08	169301266	+	5.651E-13	7.50888E-12	0.282104	hyper	sig	chr5_169301266
chr2	1.31E+08	131036959	+	5.659E-13	7.51985E-12	-0.21782	hypo	sig	chr2_131036959
chr5	1.79E+08	179164478	+	5.666E-13	7.52856E-12	-0.21717	hypo	sig	chr5_179164478
chr1	1.81E+08	181318692	+	5.694E-13	7.56426E-12	0.214424	hyper	sig	chr1_181318692
chr22	20438296	20438296	+	5.695E-13	7.56493E-12	0.232705	hyper	sig	chr22_20438296
chr19	43465929	43465929	+	5.7E-13	7.57079E-12	-0.24646	hypo	sig	chr19_43465929
chr13	1.14E+08	113544230	+	5.702E-13	7.57385E-12	-0.21663	hypo	sig	chr13_113544230
chr7	1.54E+08	153748057	+	5.706E-13	7.57939E-12	0.211197	hyper	sig	chr7_153748057
chr3	1.28E+08	128493430	+	5.71E-13	7.58407E-12	0.210209	hyper	sig	chr3_128493430
chr19	51327964	51327964	+	5.72E-13	7.59706E-12	0.209557	hyper	sig	chr19_51327964
chr14	36659494	36659494	+	5.728E-13	7.60635E-12	0.212539	hyper	sig	chr14_36659494
chr20	46550715	46550715	+	5.73E-13	7.60905E-12	-0.21418	hypo	sig	chr20_46550715
chr6	1.7E+08	170224910	+	5.737E-13	7.6189E-12	-0.20453	hypo	sig	chr6_170224910
chr6	84773361	84773361	+	5.742E-13	7.62476E-12	0.226774	hyper	sig	chr6_84773361
chr11	1841001	1841001	+	5.745E-13	7.62815E-12	-0.20683	hypo	sig	chr11_1841001
chr16	30352360	30352360	+	5.747E-13	7.63135E-12	-0.20147	hypo	sig	chr16_30352360
chr13	1.12E+08	111893572	+	5.764E-13	7.65356E-12	0.21761	hyper	sig	chr13_111893572
chr21	42022202	42022202	+	5.764E-13	7.65356E-12	-0.2107	hypo	sig	chr21_42022202
chr1	75132626	75132626	+	5.765E-13	7.65362E-12	0.270385	hyper	sig	chr1_75132626
chr6	1.05E+08	104941573	+	5.783E-13	7.67731E-12	0.224922	hyper	sig	chr6_104941573
chr14	60641583	60641583	+	5.784E-13	7.67783E-12	0.220482	hyper	sig	chr14_60641583
chr2	1.13E+08	113276901	+	5.785E-13	7.67974E-12	0.209984	hyper	sig	chr2_113276901
chr11	68981037	68981037	+	5.806E-13	7.70624E-12	-0.22713	hypo	sig	chr11_68981037
chr12	49544223	49544223	+	5.807E-13	7.70691E-12	0.216347	hyper	sig	chr12_49544223
chr19	41087265	41087265	+	5.828E-13	7.735E-12	-0.28354	hypo	sig	chr19_41087265
chr20	51023459	51023459	+	5.836E-13	7.74485E-12	0.236064	hyper	sig	chr20_51023459
chr1	1.82E+08	181731517	+	5.856E-13	7.77063E-12	-0.24304	hypo	sig	chr1_181731517
chr2	2.42E+08	241802043	+	5.866E-13	7.78372E-12	0.211983	hyper	sig	chr2_241802043
chr4	1.57E+08	157220717	+	5.885E-13	7.80816E-12	0.277778	hyper	sig	chr4_157220717
chr19	51328020	51328020	+	5.913E-13	7.84434E-12	0.215988	hyper	sig	chr19_51328020
chr6	2857690	2857690	+	5.917E-13	7.84956E-12	-0.27218	hypo	sig	chr6_2857690
chr5	1.76E+08	175660722	+	5.923E-13	7.85597E-12	-0.21129	hypo	sig	chr5_175660722
chr2	29115017	29115017	+	5.926E-13	7.86078E-12	0.270152	hyper	sig	chr2_29115017
chr22	43085942	43085942	+	5.939E-13	7.87705E-12	-0.20297	hypo	sig	chr22_43085942
chr4	1.57E+08	156977636	+	5.941E-13	7.87873E-12	-0.25043	hypo	sig	chr4_156977636
chr6	30752707	30752707	+	5.946E-13	7.88547E-12	-0.26345	hypo	sig	chr6_30752707
chr6	1.16E+08	115833344	+	5.946E-13	7.88547E-12	-0.34684	hypo	sig	chr6_115833344
chr22	46030380	46030380	+	5.95E-13	7.89015E-12	-0.20882	hypo	sig	chr22_46030380
chr19	9363201	9363201	+	5.953E-13	7.89407E-12	0.220118	hyper	sig	chr19_9363201
chr5	1.34E+08	134113761	+	5.953E-13	7.89464E-12	0.247918	hyper	sig	chr5_134113761
chr14	26204823	26204823	+	5.965E-13	7.90906E-12	0.224984	hyper	sig	chr14_26204823
chr17	49496202	49496202	+	5.972E-13	7.91757E-12	0.293049	hyper	sig	chr17_49496202
chr19	28726900	28726900	+	5.972E-13	7.9182E-12	0.224198	hyper	sig	chr19_28726900
chr7	4725190	4725190	+	5.98E-13	7.92821E-12	0.223216	hyper	sig	chr7_4725190
chr2	20106854	20106854	+	5.991E-13	7.94134E-12	0.24014	hyper	sig	chr2_20106854
chr4	55157835	55157835	+	5.991E-13	7.94174E-12	0.243521	hyper	sig	chr4_55157835

chr10	1.33E+08	132903435	+	5.995E-13	7.94679E-12	-0.22965	hypo	sig	chr10_132903435
chr17	48483321	48483321	+	6.009E-13	7.96444E-12	-0.22724	hypo	sig	chr17_48483321
chr15	43217782	43217782	+	6.044E-13	8.00921E-12	-0.25448	hypo	sig	chr15_43217782
chr19	55506197	55506197	+	6.045E-13	8.01141E-12	-0.20376	hypo	sig	chr19_55506197
chr2	1.35E+08	134718184	+	6.063E-13	8.0337E-12	0.216379	hyper	sig	chr2_134718184
chr11	68842888	68842888	+	6.064E-13	8.03511E-12	-0.21866	hypo	sig	chr11_68842888
chr1	2.31E+08	230746910	+	6.066E-13	8.03728E-12	-0.21264	hypo	sig	chr1_230746910
chr20	59601158	59601158	+	6.07E-13	8.04302E-12	-0.2282	hypo	sig	chr20_59601158
chr19	15233296	15233296	+	6.075E-13	8.04872E-12	0.246686	hyper	sig	chr19_15233296
chr11	17774974	17774974	+	6.078E-13	8.05318E-12	-0.2175	hypo	sig	chr11_17774974
chr17	48608148	48608148	+	6.09E-13	8.06731E-12	-0.20013	hypo	sig	chr17_48608148
chr7	76267068	76267068	+	6.097E-13	8.07645E-12	0.217675	hyper	sig	chr7_76267068
chr22	39894748	39894748	+	6.123E-13	8.10982E-12	-0.23159	hypo	sig	chr22_39894748
chr6	1.69E+08	168999667	+	6.127E-13	8.11506E-12	-0.22306	hypo	sig	chr6_168999667
chr6	39793097	39793097	+	6.13E-13	8.11798E-12	0.209703	hyper	sig	chr6_39793097
chr7	38976465	38976465	+	6.131E-13	8.11972E-12	0.224789	hyper	sig	chr7_38976465
chr17	38562288	38562288	+	6.133E-13	8.12221E-12	0.207445	hyper	sig	chr17_38562288
chr5	3386831	3386831	+	6.135E-13	8.12418E-12	-0.22973	hypo	sig	chr5_3386831
chr13	1.14E+08	114005575	+	6.143E-13	8.13482E-12	-0.26008	hypo	sig	chr13_114005575
chr17	1605227	1605227	+	6.145E-13	8.13642E-12	0.25784	hyper	sig	chr17_1605227
chr14	79281431	79281431	+	6.147E-13	8.13904E-12	-0.20847	hypo	sig	chr14_79281431
chr9	21031760	21031760	+	6.151E-13	8.14383E-12	0.225835	hyper	sig	chr9_21031760
chr8	1.08E+08	108082282	+	6.158E-13	8.15257E-12	0.235801	hyper	sig	chr8_108082282
chr2	2.18E+08	218004961	+	6.187E-13	8.19024E-12	-0.22692	hypo	sig	chr2_218004961
chr16	829151	829151	+	6.19E-13	8.19449E-12	-0.22233	hypo	sig	chr16_829151
chr1	1.17E+08	117093912	+	6.191E-13	8.19476E-12	-0.20963	hypo	sig	chr1_117093912
chr6	31730967	31730967	+	6.195E-13	8.20024E-12	-0.21169	hypo	sig	chr6_31730967
chr4	577188	577188	+	6.22E-13	8.23207E-12	0.204662	hyper	sig	chr4_577188
chr1	1.19E+08	118989968	+	6.228E-13	8.24239E-12	0.213074	hyper	sig	chr1_118989968
chr10	1.33E+08	133310250	+	6.235E-13	8.25064E-12	-0.21696	hypo	sig	chr10_133310250
chr21	44507148	44507148	+	6.247E-13	8.26622E-12	-0.20989	hypo	sig	chr21_44507148
chr4	41879400	41879400	+	6.248E-13	8.26781E-12	0.214281	hyper	sig	chr4_41879400
chr5	80565466	80565466	+	6.273E-13	8.29928E-12	-0.20722	hypo	sig	chr5_80565466
chr1	50023607	50023607	+	6.275E-13	8.30094E-12	-0.24861	hypo	sig	chr1_50023607
chr19	50692247	50692247	+	6.28E-13	8.30805E-12	-0.21265	hypo	sig	chr19_50692247
chr16	58499883	58499883	+	6.299E-13	8.33074E-12	-0.21108	hypo	sig	chr16_58499883
chr8	12811603	12811603	+	6.307E-13	8.34126E-12	-0.25042	hypo	sig	chr8_12811603
chr2	2.42E+08	241542463	+	6.314E-13	8.35026E-12	-0.20114	hypo	sig	chr2_241542463
chr1	1.55E+08	155304980	+	6.323E-13	8.36179E-12	-0.26531	hypo	sig	chr1_155304980
chr6	30952394	30952394	+	6.33E-13	8.37074E-12	-0.20733	hypo	sig	chr6_30952394
chr19	55213900	55213900	+	6.331E-13	8.37156E-12	-0.21052	hypo	sig	chr19_55213900
chr8	18380910	18380910	+	6.338E-13	8.38067E-12	-0.23441	hypo	sig	chr8_18380910
chr10	1.25E+08	124794289	+	6.34E-13	8.38347E-12	-0.22304	hypo	sig	chr10_124794289
chr6	1E+08	100458756	+	6.34E-13	8.38347E-12	0.214406	hyper	sig	chr6_100458756
chr13	27791450	27791450	+	6.345E-13	8.38972E-12	0.209679	hyper	sig	chr13_27791450
chr9	1.37E+08	137165754	+	6.369E-13	8.42059E-12	-0.20186	hypo	sig	chr9_137165754
chr6	3752520	3752520	+	6.371E-13	8.42319E-12	0.201614	hyper	sig	chr6_3752520
chr1	1.71E+08	170669766	+	6.374E-13	8.4266E-12	0.205912	hyper	sig	chr1_170669766
chr11	68752301	68752301	+	6.375E-13	8.4271E-12	-0.20508	hypo	sig	chr11_68752301
chr17	29003776	29003776	+	6.382E-13	8.43631E-12	-0.23408	hypo	sig	chr17_29003776
chr5	1.79E+08	179265829	+	6.387E-13	8.44347E-12	0.20529	hyper	sig	chr5_179265829
chr20	51023480	51023480	+	6.389E-13	8.44521E-12	0.238866	hyper	sig	chr20_51023480
chr11	1.23E+08	123195985	+	6.39E-13	8.44595E-12	0.223319	hyper	sig	chr11_123195985
chr20	38725105	38725105	+	6.396E-13	8.45465E-12	0.230139	hyper	sig	chr20_38725105
chr1	6054937	6054937	+	6.412E-13	8.47482E-12	-0.28494	hypo	sig	chr1_6054937
chr8	68331745	68331745	+	6.418E-13	8.48264E-12	0.252117	hyper	sig	chr8_68331745

chr13	1.12E+08	112071601	+	6.419E-13	8.48396E-12	0.20935	hyper	sig	chr13_112071601
chr1	10415313	10415313	+	6.436E-13	8.50492E-12	-0.2023	hypo	sig	chr1_10415313
chr4	4863221	4863221	+	6.442E-13	8.51198E-12	0.239371	hyper	sig	chr4_4863221
chr17	79802034	79802034	+	6.46E-13	8.53535E-12	0.202045	hyper	sig	chr17_79802034
chr4	1.88E+08	187995495	+	6.462E-13	8.5383E-12	0.214619	hyper	sig	chr4_187995495
chr6	99619293	99619293	+	6.491E-13	8.57402E-12	0.228881	hyper	sig	chr6_99619293
chr22	16602885	16602885	+	6.533E-13	8.6287E-12	0.246702	hyper	sig	chr22_16602885
chr2	2.17E+08	216636369	+	6.539E-13	8.63653E-12	-0.28529	hypo	sig	chr2_216636369
chr17	80498572	80498572	+	6.54E-13	8.63708E-12	-0.20613	hypo	sig	chr17_80498572
chr12	48184790	48184790	+	6.554E-13	8.65532E-12	0.220491	hyper	sig	chr12_48184790
chr17	806725	806725	+	6.57E-13	8.67519E-12	-0.25469	hypo	sig	chr17_806725
chr10	42480194	42480194	+	6.572E-13	8.67804E-12	-0.24809	hypo	sig	chr10_42480194
chr11	1.23E+08	122976507	+	6.574E-13	8.6798E-12	0.282858	hyper	sig	chr11_122976507
chr12	24902646	24902646	+	6.603E-13	8.71696E-12	0.294313	hyper	sig	chr12_24902646
chr13	1.11E+08	110615284	+	6.616E-13	8.73409E-12	-0.20023	hypo	sig	chr13_110615284
chr12	1.11E+08	110743958	+	6.641E-13	8.76573E-12	-0.22884	hypo	sig	chr12_110743958
chr11	65047677	65047677	+	6.648E-13	8.77464E-12	0.211911	hyper	sig	chr11_65047677
chr7	66502846	66502846	+	6.649E-13	8.77554E-12	-0.25278	hypo	sig	chr7_66502846
chr2	71830736	71830736	+	6.678E-13	8.81215E-12	-0.22868	hypo	sig	chr2_71830736
chr1	1942392	1942392	+	6.682E-13	8.81648E-12	-0.27541	hypo	sig	chr1_1942392
chr1	3184454	3184454	+	6.686E-13	8.82193E-12	-0.21889	hypo	sig	chr1_3184454
chr19	3825659	3825659	+	6.698E-13	8.83773E-12	-0.20481	hypo	sig	chr19_3825659
chr10	1.22E+08	122163907	+	6.698E-13	8.83779E-12	0.21032	hyper	sig	chr10_122163907
chr8	1.43E+08	143187158	+	6.703E-13	8.84395E-12	-0.20953	hypo	sig	chr8_143187158
chr18	905091	905091	+	6.705E-13	8.84622E-12	0.23634	hyper	sig	chr18_905091
chr20	4761842	4761842	+	6.721E-13	8.86548E-12	-0.27045	hypo	sig	chr20_4761842
chr17	33013723	33013723	+	6.724E-13	8.86956E-12	-0.20233	hypo	sig	chr17_33013723
chr5	1.71E+08	171313987	+	6.725E-13	8.87083E-12	0.218351	hyper	sig	chr5_171313987
chr6	3753392	3753392	+	6.763E-13	8.91878E-12	-0.21315	hypo	sig	chr6_3753392
chr16	1941495	1941495	+	6.77E-13	8.92785E-12	-0.21769	hypo	sig	chr16_1941495
chr16	54594811	54594811	+	6.777E-13	8.93627E-12	0.274037	hyper	sig	chr16_54594811
chr1	3121621	3121621	+	6.781E-13	8.94158E-12	-0.2012	hypo	sig	chr1_3121621
chr2	58428967	58428967	+	6.781E-13	8.94184E-12	0.213329	hyper	sig	chr2_58428967
chr1	2.02E+08	201512352	+	6.782E-13	8.94224E-12	0.203739	hyper	sig	chr1_201512352
chr1	10415261	10415261	+	6.785E-13	8.94686E-12	-0.21707	hypo	sig	chr1_10415261
chr16	700335	700335	+	6.791E-13	8.95368E-12	-0.2284	hypo	sig	chr16_700335
chr17	9925421	9925421	+	6.8E-13	8.96569E-12	-0.24463	hypo	sig	chr17_9925421
chr1	85606168	85606168	+	6.802E-13	8.96728E-12	-0.22198	hypo	sig	chr1_85606168
chr1	6770939	6770939	+	6.805E-13	8.97162E-12	-0.22043	hypo	sig	chr1_6770939
chr20	63481651	63481651	+	6.809E-13	8.97601E-12	-0.2048	hypo	sig	chr20_63481651
chr11	22192732	22192732	+	6.809E-13	8.97652E-12	0.22155	hyper	sig	chr11_22192732
chr19	56477024	56477024	+	6.82E-13	8.9903E-12	0.210125	hyper	sig	chr19_56477024
chr1	57424668	57424668	+	6.825E-13	8.99623E-12	0.24166	hyper	sig	chr1_57424668
chr12	1.19E+08	118770429	+	6.832E-13	9.0048E-12	-0.25173	hypo	sig	chr12_118770429
chr4	1.74E+08	173528676	+	6.855E-13	9.03375E-12	0.255581	hyper	sig	chr4_173528676
chr7	1.3E+08	130490954	+	6.859E-13	9.03939E-12	0.22495	hyper	sig	chr7_130490954
chr16	56663030	56663030	+	6.875E-13	9.05942E-12	0.280814	hyper	sig	chr16_56663030
chr19	50635710	50635710	+	6.884E-13	9.07124E-12	-0.22965	hypo	sig	chr19_50635710
chr5	1.36E+08	136365481	+	6.884E-13	9.07124E-12	0.205908	hyper	sig	chr5_136365481
chr17	79890155	79890155	+	6.885E-13	9.0718E-12	-0.21689	hypo	sig	chr17_79890155
chr7	1.41E+08	140552020	+	6.888E-13	9.07574E-12	-0.21049	hypo	sig	chr7_140552020
chr20	23034454	23034454	+	6.897E-13	9.08648E-12	-0.22455	hypo	sig	chr20_23034454
chr16	49525606	49525606	+	6.923E-13	9.11927E-12	-0.22408	hypo	sig	chr16_49525606
chr19	13286913	13286913	+	6.925E-13	9.12209E-12	-0.21646	hypo	sig	chr19_13286913
chr12	6555419	6555419	+	6.926E-13	9.12322E-12	0.215898	hyper	sig	chr12_6555419
chr19	53255202	53255202	+	6.929E-13	9.12624E-12	0.262642	hyper	sig	chr19_53255202

chr5	1.46E+08	146331040	+	6.93E-13	9.12735E-12	0.213501	hyper	sig	chr5_146331040
chr20	62710554	62710554	+	6.941E-13	9.14251E-12	-0.2454	hypo	sig	chr20_62710554
chr7	45176084	45176084	+	6.947E-13	9.1494E-12	-0.24989	hypo	sig	chr7_45176084
chr3	51984082	51984082	+	6.948E-13	9.15012E-12	-0.23785	hypo	sig	chr3_51984082
chr2	88451845	88451845	+	6.955E-13	9.15916E-12	0.230001	hyper	sig	chr2_88451845
chr16	4332222	4332222	+	6.961E-13	9.16654E-12	-0.20423	hypo	sig	chr16_4332222
chr12	50033082	50033082	+	6.973E-13	9.1816E-12	0.257307	hyper	sig	chr12_50033082
chr1	1.98E+08	197920521	+	6.984E-13	9.19647E-12	0.211174	hyper	sig	chr1_197920521
chr2	96116239	96116239	+	7.011E-13	9.2315E-12	0.213715	hyper	sig	chr2_96116239
chr11	22432853	22432853	+	7.022E-13	9.24466E-12	0.234294	hyper	sig	chr11_22432853
chr2	96317887	96317887	+	7.031E-13	9.25664E-12	-0.24559	hypo	sig	chr2_96317887
chr16	1230625	1230625	+	7.04E-13	9.26825E-12	-0.2125	hypo	sig	chr16_1230625
chr17	825945	825945	+	7.047E-13	9.27704E-12	-0.20295	hypo	sig	chr17_825945
chr16	87464874	87464874	+	7.05E-13	9.28012E-12	-0.21599	hypo	sig	chr16_87464874
chr5	88695313	88695313	+	7.056E-13	9.28751E-12	0.206984	hyper	sig	chr5_88695313
chr10	28807993	28807993	+	7.071E-13	9.30751E-12	0.233036	hyper	sig	chr10_28807993
chr8	1.43E+08	142579097	+	7.075E-13	9.31274E-12	-0.22856	hypo	sig	chr8_142579097
chr1	39500465	39500465	+	7.095E-13	9.33773E-12	-0.24644	hypo	sig	chr1_39500465
chr8	1.43E+08	142911366	+	7.11E-13	9.35651E-12	-0.24453	hypo	sig	chr8_142911366
chr13	1.14E+08	114015263	+	7.115E-13	9.36245E-12	-0.21052	hypo	sig	chr13_114015263
chr13	23127820	23127820	+	7.121E-13	9.36955E-12	-0.27841	hypo	sig	chr13_23127820
chr11	65833302	65833302	+	7.122E-13	9.37023E-12	0.265557	hyper	sig	chr11_65833302
chr4	1.84E+08	184001540	+	7.125E-13	9.37333E-12	-0.21578	hypo	sig	chr4_184001540
chr18	48408097	48408097	+	7.126E-13	9.37441E-12	0.244826	hyper	sig	chr18_48408097
chr1	1.11E+08	110675587	+	7.128E-13	9.37678E-12	0.243375	hyper	sig	chr1_110675587
chr10	49613601	49613601	+	7.133E-13	9.38309E-12	0.250252	hyper	sig	chr10_49613601
chr19	392164	392164	+	7.144E-13	9.39741E-12	-0.21351	hypo	sig	chr19_392164
chr3	1.31E+08	130517678	+	7.153E-13	9.40906E-12	0.260922	hyper	sig	chr3_130517678
chr19	15451126	15451126	+	7.166E-13	9.42561E-12	-0.25586	hypo	sig	chr19_15451126
chr5	1.59E+08	159096899	+	7.168E-13	9.42704E-12	0.25256	hyper	sig	chr5_159096899
chr1	2.15E+08	215082210	+	7.173E-13	9.43415E-12	0.226072	hyper	sig	chr1_215082210
chr6	1.6E+08	159819155	+	7.174E-13	9.435E-12	-0.23262	hypo	sig	chr6_159819155
chr5	1.46E+08	146379316	+	7.215E-13	9.48682E-12	0.223298	hyper	sig	chr5_146379316
chr13	26558575	26558575	+	7.218E-13	9.49128E-12	0.213591	hyper	sig	chr13_26558575
chr4	8971792	8971792	+	7.219E-13	9.49228E-12	-0.20996	hypo	sig	chr4_8971792
chr1	46544428	46544428	+	7.226E-13	9.50061E-12	0.238974	hyper	sig	chr1_46544428
chr13	21668728	21668728	+	7.229E-13	9.50368E-12	0.218328	hyper	sig	chr13_21668728
chr15	25231239	25231239	+	7.237E-13	9.5138E-12	-0.21079	hypo	sig	chr15_25231239
chr15	52800898	52800898	+	7.244E-13	9.52381E-12	0.270867	hyper	sig	chr15_52800898
chr12	30201598	30201598	+	7.251E-13	9.53174E-12	0.212942	hyper	sig	chr12_30201598
chr4	4863175	4863175	+	7.264E-13	9.54906E-12	0.201065	hyper	sig	chr4_4863175
chr20	25081147	25081147	+	7.268E-13	9.55379E-12	0.21225	hyper	sig	chr20_25081147
chr5	1.59E+08	159104503	+	7.27E-13	9.55637E-12	0.22294	hyper	sig	chr5_159104503
chr11	22432796	22432796	+	7.287E-13	9.57729E-12	0.236551	hyper	sig	chr11_22432796
chr2	91443015	91443015	+	7.29E-13	9.58194E-12	0.286073	hyper	sig	chr2_91443015
chr18	36188469	36188469	+	7.291E-13	9.58306E-12	-0.23629	hypo	sig	chr18_36188469
chr13	1.14E+08	114015267	+	7.292E-13	9.5839E-12	-0.20564	hypo	sig	chr13_114015267
chr19	34905275	34905275	+	7.297E-13	9.59025E-12	0.277383	hyper	sig	chr19_34905275
chr5	19988557	19988557	+	7.304E-13	9.59859E-12	0.229927	hyper	sig	chr5_19988557
chr20	1001129	1001129	+	7.328E-13	9.6279E-12	-0.20039	hypo	sig	chr20_1001129
chr16	1482474	1482474	+	7.337E-13	9.6397E-12	-0.25276	hypo	sig	chr16_1482474
chr13	36432017	36432017	+	7.34E-13	9.64228E-12	0.24414	hyper	sig	chr13_36432017
chr19	12195741	12195741	+	7.34E-13	9.643E-12	0.303106	hyper	sig	chr19_12195741
chr5	1.51E+08	150845637	+	7.356E-13	9.66296E-12	-0.24511	hypo	sig	chr5_150845637
chr6	10881788	10881788	+	7.359E-13	9.66643E-12	0.221301	hyper	sig	chr6_10881788
chr7	1.59E+08	159061878	+	7.36E-13	9.66779E-12	0.20522	hyper	sig	chr7_159061878

chr16	29257371	29257371	+	7.378E-13	9.69044E-12	-0.2444	hypo	sig	chr16_29257371
chr8	53876774	53876774	+	7.387E-13	9.70296E-12	0.24571	hyper	sig	chr8_53876774
chr12	33438577	33438577	+	7.39E-13	9.70631E-12	0.255604	hyper	sig	chr12_33438577
chr13	1.08E+08	107868666	+	7.394E-13	9.71033E-12	0.232553	hyper	sig	chr13_107868666
chr5	1.41E+08	141413997	+	7.396E-13	9.71345E-12	0.205984	hyper	sig	chr5_141413997
chr19	45472673	45472673	+	7.41E-13	9.7309E-12	0.207065	hyper	sig	chr19_45472673
chr22	50485397	50485397	+	7.412E-13	9.73315E-12	-0.24629	hypo	sig	chr22_50485397
chr16	51113903	51113903	+	7.427E-13	9.75206E-12	0.218153	hyper	sig	chr16_51113903
chr6	27275244	27275244	+	7.435E-13	9.76221E-12	0.207641	hyper	sig	chr6_27275244
chr19	58055287	58055287	+	7.454E-13	9.78614E-12	0.300352	hyper	sig	chr19_58055287
chr16	55656967	55656967	+	7.466E-13	9.80197E-12	0.272985	hyper	sig	chr16_55656967
chr3	13204226	13204226	+	7.479E-13	9.81777E-12	0.256147	hyper	sig	chr3_13204226
chr18	80033380	80033380	+	7.493E-13	9.83658E-12	0.206354	hyper	sig	chr18_80033380
chr1	1.81E+08	181483960	+	7.508E-13	9.8546E-12	0.210375	hyper	sig	chr1_181483960
chr13	1.11E+08	110869656	+	7.51E-13	9.85604E-12	-0.26616	hypo	sig	chr13_110869656
chr4	6221654	6221654	+	7.512E-13	9.8588E-12	0.236389	hyper	sig	chr4_6221654
chr1	2.36E+08	236396005	+	7.526E-13	9.87687E-12	0.235315	hyper	sig	chr1_236396005
chr3	1.28E+08	128492178	+	7.549E-13	9.90477E-12	0.205959	hyper	sig	chr3_128492178
chr17	76000088	76000088	+	7.561E-13	9.92057E-12	-0.21603	hypo	sig	chr17_76000088
chr11	30016337	30016337	+	7.564E-13	9.92402E-12	0.263317	hyper	sig	chr11_30016337
chr1	16521040	16521040	+	7.564E-13	9.92403E-12	0.24125	hyper	sig	chr1_16521040
chr18	905116	905116	+	7.568E-13	9.92816E-12	0.231431	hyper	sig	chr18_905116
chr3	1.38E+08	137771733	+	7.573E-13	9.93427E-12	0.211147	hyper	sig	chr3_137771733
chr7	1.57E+08	157302637	+	7.602E-13	9.97178E-12	-0.21516	hypo	sig	chr7_157302637
chr3	1.26E+08	125954645	+	7.603E-13	9.97363E-12	-0.20345	hypo	sig	chr3_125954645
chr15	76863129	76863129	+	7.62E-13	9.99491E-12	-0.27449	hypo	sig	chr15_76863129
chr18	47260095	47260095	+	7.674E-13	1.00626E-11	0.240673	hyper	sig	chr18_47260095
chr2	1.71E+08	170815357	+	7.675E-13	1.00636E-11	0.206747	hyper	sig	chr2_170815357
chr18	76787414	76787414	+	7.681E-13	1.00719E-11	0.240623	hyper	sig	chr18_76787414
chr11	63673874	63673874	+	7.69E-13	1.00827E-11	-0.21388	hypo	sig	chr11_63673874
chr19	731193	731193	+	7.714E-13	1.01129E-11	-0.27702	hypo	sig	chr19_731193
chr10	71665650	71665650	+	7.716E-13	1.01161E-11	-0.21004	hypo	sig	chr10_71665650
chr11	31818218	31818218	+	7.722E-13	1.01236E-11	0.217139	hyper	sig	chr11_31818218
chr1	1.13E+08	112747986	+	7.734E-13	1.01382E-11	-0.26573	hypo	sig	chr1_112747986
chr19	57317780	57317780	+	7.739E-13	1.01439E-11	0.214163	hyper	sig	chr19_57317780
chr22	39483959	39483959	+	7.755E-13	1.01646E-11	-0.2155	hypo	sig	chr22_39483959
chr14	99792906	99792906	+	7.761E-13	1.01716E-11	0.201837	hyper	sig	chr14_99792906
chr4	1510530	1510530	+	7.788E-13	1.02069E-11	-0.22007	hypo	sig	chr4_1510530
chr15	79093693	79093693	+	7.816E-13	1.02421E-11	-0.25526	hypo	sig	chr15_79093693
chr14	76350404	76350404	+	7.839E-13	1.02704E-11	-0.21679	hypo	sig	chr14_76350404
chr1	12161367	12161367	+	7.84E-13	1.02714E-11	-0.22604	hypo	sig	chr1_12161367
chr16	66974310	66974310	+	7.858E-13	1.02951E-11	-0.27239	hypo	sig	chr16_66974310
chr22	18111413	18111413	+	7.875E-13	1.03163E-11	0.213432	hyper	sig	chr22_18111413
chr17	48747911	48747911	+	7.911E-13	1.03605E-11	0.23468	hyper	sig	chr17_48747911
chr13	1.13E+08	112638388	+	7.919E-13	1.03711E-11	-0.24095	hypo	sig	chr13_112638388
chr10	86263348	86263348	+	7.92E-13	1.03721E-11	0.231782	hyper	sig	chr10_86263348
chr5	1.1E+08	109884682	+	7.928E-13	1.0382E-11	-0.20135	hypo	sig	chr5_109884682
chr2	203770	203770	+	7.931E-13	1.03853E-11	-0.24251	hypo	sig	chr2_203770
chr5	25911158	25911158	+	7.953E-13	1.0413E-11	-0.23467	hypo	sig	chr5_25911158
chr1	1.11E+08	110604442	+	7.963E-13	1.0426E-11	-0.25466	hypo	sig	chr1_110604442
chr11	4212272	4212272	+	7.966E-13	1.04291E-11	0.252937	hyper	sig	chr11_4212272
chr13	1.1E+08	110445430	+	7.973E-13	1.04378E-11	-0.21131	hypo	sig	chr13_110445430
chr14	94773845	94773845	+	7.974E-13	1.0439E-11	0.262185	hyper	sig	chr14_94773845
chr9	1.38E+08	137510110	+	7.984E-13	1.04526E-11	-0.22311	hypo	sig	chr9_137510110
chr6	41503264	41503264	+	8.018E-13	1.04949E-11	-0.27895	hypo	sig	chr6_41503264
chr3	27728801	27728801	+	8.032E-13	1.05128E-11	0.214742	hyper	sig	chr3_27728801

chr18	54828173	54828173	+	8.043E-13	1.0527E-11	-0.22553	hypo	sig	chr18_54828173
chr6	86937436	86937436	+	8.048E-13	1.05333E-11	0.357626	hyper	sig	chr6_86937436
chr7	1.06E+08	106114995	+	8.056E-13	1.05425E-11	-0.21799	hypo	sig	chr7_106114995
chr19	50728479	50728479	+	8.072E-13	1.05629E-11	0.247545	hyper	sig	chr19_50728479
chr16	2712702	2712702	+	8.073E-13	1.05644E-11	-0.20592	hypo	sig	chr16_2712702
chr2	2.31E+08	230823657	+	8.075E-13	1.0566E-11	-0.2158	hypo	sig	chr2_230823657
chr19	37817504	37817504	+	8.122E-13	1.06259E-11	0.266894	hyper	sig	chr19_37817504
chr2	74648434	74648434	+	8.141E-13	1.06504E-11	0.213476	hyper	sig	chr2_74648434
chr18	10723734	10723734	+	8.147E-13	1.06576E-11	-0.22568	hypo	sig	chr18_10723734
chr4	1.56E+08	155758963	+	8.171E-13	1.06878E-11	0.205165	hyper	sig	chr4_155758963
chr19	38869687	38869687	+	8.176E-13	1.06938E-11	0.268636	hyper	sig	chr19_38869687
chr7	1156689	1156689	+	8.187E-13	1.07073E-11	-0.22445	hypo	sig	chr7_1156689
chr15	47184009	47184009	+	8.206E-13	1.07315E-11	0.246233	hyper	sig	chr15_47184009
chr10	1.24E+08	124448285	+	8.206E-13	1.07315E-11	0.224235	hyper	sig	chr10_124448285
chr7	6842410	6842410	+	8.239E-13	1.07729E-11	-0.20752	hypo	sig	chr7_6842410
chr11	92969514	92969514	+	8.24E-13	1.07735E-11	0.258241	hyper	sig	chr11_92969514
chr19	29603460	29603460	+	8.255E-13	1.07931E-11	-0.26256	hypo	sig	chr19_29603460
chr9	6644705	6644705	+	8.261E-13	1.08009E-11	0.220001	hyper	sig	chr9_6644705
chr1	2.21E+08	220877442	+	8.262E-13	1.08026E-11	0.219524	hyper	sig	chr1_220877442
chr19	39924545	39924545	+	8.295E-13	1.08443E-11	-0.22431	hypo	sig	chr19_39924545
chr14	92688685	92688685	+	8.299E-13	1.0849E-11	-0.20106	hypo	sig	chr14_92688685
chr2	1.28E+08	128319704	+	8.299E-13	1.08492E-11	-0.21288	hypo	sig	chr2_128319704
chr5	1.46E+08	146340531	+	8.3E-13	1.08504E-11	0.255823	hyper	sig	chr5_146340531
chr19	36421894	36421894	+	8.308E-13	1.08601E-11	0.214346	hyper	sig	chr19_36421894
chr6	1.5E+08	150035562	+	8.308E-13	1.08602E-11	-0.25901	hypo	sig	chr6_150035562
chr2	1.35E+08	134717888	+	8.315E-13	1.0869E-11	0.240566	hyper	sig	chr2_134717888
chr2	2.41E+08	240918905	+	8.317E-13	1.08711E-11	-0.20284	hypo	sig	chr2_240918905
chr11	64395868	64395868	+	8.355E-13	1.0918E-11	-0.21815	hypo	sig	chr11_64395868
chr19	39924586	39924586	+	8.366E-13	1.0933E-11	-0.24386	hypo	sig	chr19_39924586
chr10	11165037	11165037	+	8.368E-13	1.09351E-11	0.302104	hyper	sig	chr10_11165037
chr1	1.44E+08	143661625	+	8.379E-13	1.09495E-11	0.222057	hyper	sig	chr1_143661625
chr11	26994325	26994325	+	8.382E-13	1.09531E-11	0.22582	hyper	sig	chr11_26994325
chr7	74209301	74209301	+	8.397E-13	1.09724E-11	-0.29985	hypo	sig	chr7_74209301
chr19	45591449	45591449	+	8.401E-13	1.09767E-11	-0.22966	hypo	sig	chr19_45591449
chr12	50033097	50033097	+	8.427E-13	1.10102E-11	0.241828	hyper	sig	chr12_50033097
chr6	1.51E+08	150864590	+	8.44E-13	1.10268E-11	-0.21454	hypo	sig	chr6_150864590
chr9	1.22E+08	122124726	+	8.453E-13	1.10436E-11	-0.21968	hypo	sig	chr9_122124726
chr19	50728212	50728212	+	8.467E-13	1.10604E-11	0.274331	hyper	sig	chr19_50728212
chr6	28814210	28814210	+	8.469E-13	1.10628E-11	0.219205	hyper	sig	chr6_28814210
chr1	40133075	40133075	+	8.478E-13	1.10742E-11	0.235532	hyper	sig	chr1_40133075
chr11	1.19E+08	119347528	+	8.509E-13	1.11131E-11	-0.20823	hypo	sig	chr11_119347528
chr5	77638502	77638502	+	8.516E-13	1.11219E-11	0.21209	hyper	sig	chr5_77638502
chr16	3101228	3101228	+	8.529E-13	1.1137E-11	-0.22759	hypo	sig	chr16_3101228
chr7	1386499	1386499	+	8.535E-13	1.1145E-11	-0.26867	hypo	sig	chr7_1386499
chr15	51093590	51093590	+	8.548E-13	1.11607E-11	0.201224	hyper	sig	chr15_51093590
chr14	26204801	26204801	+	8.567E-13	1.11847E-11	0.234686	hyper	sig	chr14_26204801
chr16	85832789	85832789	+	8.571E-13	1.11895E-11	-0.21033	hypo	sig	chr16_85832789
chr3	1.7E+08	169814076	+	8.574E-13	1.11932E-11	-0.27723	hypo	sig	chr3_169814076
chr4	1.56E+08	155758968	+	8.582E-13	1.12038E-11	0.208907	hyper	sig	chr4_155758968
chr19	16325924	16325924	+	8.59E-13	1.12136E-11	0.203289	hyper	sig	chr19_16325924
chr8	1.01E+08	101078087	+	8.592E-13	1.12151E-11	-0.24282	hypo	sig	chr8_101078087
chr16	31373498	31373498	+	8.599E-13	1.12235E-11	-0.25037	hypo	sig	chr16_31373498
chr22	50028149	50028149	+	8.599E-13	1.12235E-11	-0.26467	hypo	sig	chr22_50028149
chr8	26382383	26382383	+	8.604E-13	1.12303E-11	-0.26347	hypo	sig	chr8_26382383
chr11	32427561	32427561	+	8.61E-13	1.12376E-11	0.233228	hyper	sig	chr11_32427561
chr10	78304114	78304114	+	8.616E-13	1.12448E-11	-0.20458	hypo	sig	chr10_78304114

chr6	28443283	28443283	+	8.626E-13	1.1257E-11	0.213434	hyper	sig	chr6_28443283
chr6	36351278	36351278	+	8.64E-13	1.12741E-11	-0.20429	hypo	sig	chr6_36351278
chr15	89372025	89372025	+	8.664E-13	1.13048E-11	0.220028	hyper	sig	chr15_89372025
chr1	2533889	2533889	+	8.674E-13	1.13178E-11	-0.20268	hypo	sig	chr1_2533889
chr11	65522495	65522495	+	8.675E-13	1.13188E-11	-0.28044	hypo	sig	chr11_65522495
chr12	49903730	49903730	+	8.676E-13	1.13191E-11	0.211429	hyper	sig	chr12_49903730
chr4	1.86E+08	185639206	+	8.682E-13	1.13272E-11	0.201268	hyper	sig	chr4_185639206
chr7	1.39E+08	138798067	+	8.69E-13	1.13362E-11	0.210483	hyper	sig	chr7_138798067
chr15	84080692	84080692	+	8.694E-13	1.13412E-11	0.211211	hyper	sig	chr15_84080692
chr1	53116213	53116213	+	8.695E-13	1.13427E-11	-0.20206	hypo	sig	chr1_53116213
chr6	1.59E+08	158869215	+	8.696E-13	1.13438E-11	-0.25291	hypo	sig	chr6_158869215
chr8	53592214	53592214	+	8.71E-13	1.13612E-11	-0.23546	hypo	sig	chr8_53592214
chr7	35259043	35259043	+	8.72E-13	1.13743E-11	0.207543	hyper	sig	chr7_35259043
chr4	108082	108082	+	8.752E-13	1.1415E-11	0.327519	hyper	sig	chr4_108082
chr1	2.23E+08	222619245	+	8.762E-13	1.14273E-11	-0.20869	hypo	sig	chr1_222619245
chr22	49613755	49613755	+	8.765E-13	1.14316E-11	-0.26221	hypo	sig	chr22_49613755
chr12	1.17E+08	117032763	+	8.767E-13	1.14336E-11	0.21599	hyper	sig	chr12_117032763
chr2	1230458	1230458	+	8.78E-13	1.14505E-11	-0.20931	hypo	sig	chr2_1230458
chr2	74148361	74148361	+	8.796E-13	1.14706E-11	0.205713	hyper	sig	chr2_74148361
chr1	2.28E+08	228214411	+	8.811E-13	1.14903E-11	-0.20779	hypo	sig	chr1_228214411
chr3	1.33E+08	133410307	+	8.816E-13	1.14964E-11	-0.22171	hypo	sig	chr3_133410307
chr16	1040173	1040173	+	8.818E-13	1.14981E-11	-0.20447	hypo	sig	chr16_1040173
chr5	3103662	3103662	+	8.825E-13	1.15066E-11	0.202954	hyper	sig	chr5_3103662
chr14	85531493	85531493	+	8.852E-13	1.15398E-11	0.219581	hyper	sig	chr14_85531493
chr1	6089530	6089530	+	8.868E-13	1.15601E-11	-0.22446	hypo	sig	chr1_6089530
chr2	2.19E+08	219332892	+	8.872E-13	1.15657E-11	0.223562	hyper	sig	chr2_219332892
chr7	1.28E+08	127589195	+	8.886E-13	1.15826E-11	0.282665	hyper	sig	chr7_127589195
chr2	1.76E+08	176164980	+	8.897E-13	1.15958E-11	0.20499	hyper	sig	chr2_176164980
chr4	8971803	8971803	+	8.913E-13	1.16166E-11	-0.20865	hypo	sig	chr4_8971803
chr7	1.5E+08	149883913	+	8.93E-13	1.16377E-11	-0.24774	hypo	sig	chr7_149883913
chr2	25822323	25822323	+	8.944E-13	1.16551E-11	0.203643	hyper	sig	chr2_25822323
chr11	1.19E+08	118531573	+	8.967E-13	1.16844E-11	0.242298	hyper	sig	chr11_118531573
chr13	1.11E+08	111410305	+	8.994E-13	1.17179E-11	-0.20108	hypo	sig	chr13_111410305
chr12	1.29E+08	128854271	+	9.018E-13	1.17489E-11	0.212751	hyper	sig	chr12_128854271
chr1	1.56E+08	156161453	+	9.046E-13	1.17824E-11	0.241228	hyper	sig	chr1_156161453
chr21	45642661	45642661	+	9.048E-13	1.17852E-11	0.250155	hyper	sig	chr21_45642661
chr10	1.16E+08	116271380	+	9.065E-13	1.18062E-11	0.244224	hyper	sig	chr10_116271380
chr19	17286805	17286805	+	9.07E-13	1.18128E-11	-0.29134	hypo	sig	chr19_17286805
chr20	63752165	63752165	+	9.074E-13	1.18178E-11	-0.25711	hypo	sig	chr20_63752165
chr1	1.53E+08	152795726	+	9.076E-13	1.18199E-11	-0.33642	hypo	sig	chr1_152795726
chr5	63961765	63961765	+	9.09E-13	1.18371E-11	0.267015	hyper	sig	chr5_63961765
chr19	48616751	48616751	+	9.098E-13	1.18476E-11	-0.2051	hypo	sig	chr19_48616751
chr3	10329837	10329837	+	9.101E-13	1.18515E-11	-0.20257	hypo	sig	chr3_10329837
chr12	1.14E+08	114441287	+	9.118E-13	1.1872E-11	0.235282	hyper	sig	chr12_114441287
chr13	1.13E+08	113449297	+	9.127E-13	1.18838E-11	-0.20998	hypo	sig	chr13_113449297
chr10	7410662	7410662	+	9.133E-13	1.18906E-11	0.216965	hyper	sig	chr10_7410662
chr16	69444178	69444178	+	9.143E-13	1.19029E-11	-0.26643	hypo	sig	chr16_69444178
chr19	39308454	39308454	+	9.154E-13	1.19177E-11	0.203756	hyper	sig	chr19_39308454
chr13	1.12E+08	111668804	+	9.17E-13	1.19373E-11	-0.24203	hypo	sig	chr13_111668804
chr5	1.79E+08	178994339	+	9.171E-13	1.19384E-11	0.204454	hyper	sig	chr5_178994339
chr10	1.03E+08	102652291	+	9.173E-13	1.19401E-11	0.265043	hyper	sig	chr10_102652291
chr8	23226002	23226002	+	9.177E-13	1.19463E-11	-0.25175	hypo	sig	chr8_23226002
chr11	94400946	94400946	+	9.203E-13	1.1977E-11	0.305749	hyper	sig	chr11_94400946
chr16	563299	563299	+	9.205E-13	1.19796E-11	-0.2318	hypo	sig	chr16_563299
chr19	54338547	54338547	+	9.225E-13	1.20042E-11	-0.27283	hypo	sig	chr19_54338547
chr2	2.38E+08	237501426	+	9.235E-13	1.20171E-11	-0.30625	hypo	sig	chr2_237501426

chr19	3130777	3130777	+	9.244E-13	1.20283E-11	-0.20527	hypo	sig	chr19_3130777
chr9	1.34E+08	133904378	+	9.283E-13	1.2076E-11	-0.26325	hypo	sig	chr9_133904378
chr3	1.2E+08	120450939	+	9.285E-13	1.20793E-11	0.20039	hyper	sig	chr3_120450939
chr2	1.3E+08	129934688	+	9.31E-13	1.21097E-11	-0.20087	hypo	sig	chr2_129934688
chr22	32205079	32205079	+	9.315E-13	1.21159E-11	-0.22791	hypo	sig	chr22_32205079
chr7	76238995	76238995	+	9.324E-13	1.2127E-11	-0.23514	hypo	sig	chr7_76238995
chr4	1410587	1410587	+	9.328E-13	1.2132E-11	0.233573	hyper	sig	chr4_1410587
chr2	12718953	12718953	+	9.335E-13	1.21411E-11	0.205456	hyper	sig	chr2_12718953
chr7	32070297	32070297	+	9.336E-13	1.21421E-11	0.208143	hyper	sig	chr7_32070297
chr2	1.78E+08	178479652	+	9.363E-13	1.21754E-11	-0.20088	hypo	sig	chr2_178479652
chr16	89060435	89060435	+	9.418E-13	1.22453E-11	-0.2193	hypo	sig	chr16_89060435
chr7	2393700	2393700	+	9.42E-13	1.22472E-11	-0.22321	hypo	sig	chr7_2393700
chr16	1205229	1205229	+	9.428E-13	1.22566E-11	-0.2333	hypo	sig	chr16_1205229
chr7	1.5E+08	149768332	+	9.443E-13	1.22749E-11	-0.20383	hypo	sig	chr7_149768332
chr3	1.98E+08	198047310	+	9.452E-13	1.22864E-11	-0.20768	hypo	sig	chr3_198047310
chr6	1.46E+08	146029400	+	9.469E-13	1.23082E-11	0.218075	hyper	sig	chr6_146029400
chr10	86263326	86263326	+	9.486E-13	1.23293E-11	0.212843	hyper	sig	chr10_86263326
chr19	53058292	53058292	+	9.487E-13	1.23308E-11	0.275132	hyper	sig	chr19_53058292
chr7	1.01E+08	100641549	+	9.501E-13	1.23467E-11	-0.22285	hypo	sig	chr7_100641549
chr5	42994108	42994108	+	9.502E-13	1.23485E-11	0.287949	hyper	sig	chr5_42994108
chr13	27923046	27923046	+	9.513E-13	1.23619E-11	0.402377	hyper	sig	chr13_27923046
chr2	88453156	88453156	+	9.535E-13	1.23897E-11	0.215333	hyper	sig	chr2_88453156
chr19	8698425	8698425	+	9.554E-13	1.24121E-11	0.205804	hyper	sig	chr19_8698425
chr10	69571830	69571830	+	9.571E-13	1.2434E-11	0.20331	hyper	sig	chr10_69571830
chr1	2.25E+08	224617889	+	9.573E-13	1.24368E-11	0.284985	hyper	sig	chr1_224617889
chr2	85587817	85587817	+	9.576E-13	1.24407E-11	-0.22382	hypo	sig	chr2_85587817
chr15	23897820	23897820	+	9.583E-13	1.24495E-11	0.215658	hyper	sig	chr15_23897820
chr2	1.76E+08	176083297	+	9.599E-13	1.24699E-11	0.225453	hyper	sig	chr2_176083297
chr2	44944726	44944726	+	9.634E-13	1.25131E-11	0.215426	hyper	sig	chr2_44944726
chr16	2182352	2182352	+	9.656E-13	1.25407E-11	-0.21371	hypo	sig	chr16_2182352
chr3	26624042	26624042	+	9.661E-13	1.25464E-11	0.231592	hyper	sig	chr3_26624042
chr3	42686297	42686297	+	9.683E-13	1.2574E-11	0.243562	hyper	sig	chr3_42686297
chr2	1.71E+08	170821737	+	9.697E-13	1.25918E-11	0.216193	hyper	sig	chr2_170821737
chr3	68931324	68931324	+	9.7E-13	1.25955E-11	0.23588	hyper	sig	chr3_68931324
chr2	44945062	44945062	+	9.712E-13	1.26099E-11	0.214584	hyper	sig	chr2_44945062
chr16	3962927	3962927	+	9.757E-13	1.26669E-11	-0.20652	hypo	sig	chr16_3962927
chr1	2426144	2426144	+	9.774E-13	1.26891E-11	-0.20079	hypo	sig	chr1_2426144
chr1	4782550	4782550	+	9.778E-13	1.26936E-11	-0.20583	hypo	sig	chr1_4782550
chr14	51752584	51752584	+	9.787E-13	1.2705E-11	-0.21639	hypo	sig	chr14_51752584
chr1	1.57E+08	156657163	+	9.792E-13	1.27114E-11	0.244261	hyper	sig	chr1_156657163
chr4	3045463	3045463	+	9.807E-13	1.27295E-11	-0.26948	hypo	sig	chr4_3045463
chr7	1.28E+08	128357460	+	9.816E-13	1.27415E-11	-0.21971	hypo	sig	chr7_128357460
chr7	1.41E+08	140527543	+	9.823E-13	1.27494E-11	-0.23829	hypo	sig	chr7_140527543
chr2	50347598	50347598	+	9.824E-13	1.27512E-11	0.201809	hyper	sig	chr2_50347598
chr17	49035679	49035679	+	9.826E-13	1.27525E-11	-0.21173	hypo	sig	chr17_49035679
chr10	23200780	23200780	+	9.852E-13	1.27864E-11	0.209142	hyper	sig	chr10_23200780
chr19	35773224	35773224	+	9.861E-13	1.27964E-11	-0.2196	hypo	sig	chr19_35773224
chr8	1.42E+08	142430219	+	9.867E-13	1.28043E-11	-0.21863	hypo	sig	chr8_142430219
chr18	2851951	2851951	+	9.891E-13	1.2835E-11	-0.20743	hypo	sig	chr18_2851951
chr1	2.29E+08	229432784	+	9.901E-13	1.28465E-11	0.220364	hyper	sig	chr1_229432784
chr7	8443266	8443266	+	9.934E-13	1.2888E-11	0.26098	hyper	sig	chr7_8443266
chr10	49769084	49769084	+	9.936E-13	1.28904E-11	0.247893	hyper	sig	chr10_49769084
chr1	1.76E+08	175599285	+	9.94E-13	1.28953E-11	0.212567	hyper	sig	chr1_175599285
chr7	50450808	50450808	+	9.943E-13	1.28997E-11	0.201334	hyper	sig	chr7_50450808
chr15	96367936	96367936	+	9.946E-13	1.29036E-11	0.240182	hyper	sig	chr15_96367936
chr16	14405947	14405947	+	9.957E-13	1.29171E-11	-0.21729	hypo	sig	chr16_14405947

chr9	5188708	5188708	+	9.96E-13	1.29206E-11	-0.21391	hypo	sig	chr9_5188708
chr2	1794025	1794025	+	9.97E-13	1.29333E-11	-0.20566	hypo	sig	chr2_1794025
chr7	1.45E+08	145270529	+	9.976E-13	1.29401E-11	-0.21859	hypo	sig	chr7_145270529
chr2	2.24E+08	224441315	+	9.982E-13	1.2947E-11	-0.31121	hypo	sig	chr2_224441315
chr9	1.36E+08	136345605	+	9.992E-13	1.29591E-11	-0.20706	hypo	sig	chr9_136345605
chr14	94768399	94768399	+	1.003E-12	1.30125E-11	0.272128	hyper	sig	chr14_94768399
chr13	20946394	20946394	+	1.006E-12	1.30471E-11	0.218488	hyper	sig	chr13_20946394
chr19	2700929	2700929	+	1.009E-12	1.30799E-11	-0.23308	hypo	sig	chr19_2700929
chr6	1.68E+08	168410629	+	1.009E-12	1.30799E-11	-0.21232	hypo	sig	chr6_168410629
chr2	98346492	98346492	+	1.015E-12	1.31576E-11	0.218966	hyper	sig	chr2_98346492
chr17	38562263	38562263	+	1.016E-12	1.31657E-11	0.227214	hyper	sig	chr17_38562263
chr19	39308440	39308440	+	1.017E-12	1.31799E-11	0.20257	hyper	sig	chr19_39308440
chr7	1.54E+08	154052828	+	1.017E-12	1.31816E-11	0.229011	hyper	sig	chr7_154052828
chr3	10816036	10816036	+	1.018E-12	1.31941E-11	0.201294	hyper	sig	chr3_10816036
chr7	1223395	1223395	+	1.018E-12	1.31981E-11	-0.2148	hypo	sig	chr7_1223395
chr12	1.14E+08	114441266	+	1.02E-12	1.32144E-11	0.22883	hyper	sig	chr12_114441266
chr6	1.7E+08	170182586	+	1.022E-12	1.32495E-11	-0.20679	hypo	sig	chr6_170182586
chr11	71589729	71589729	+	1.023E-12	1.32616E-11	-0.2524	hypo	sig	chr11_71589729
chr1	2.28E+08	228465435	+	1.029E-12	1.33274E-11	0.222222	hyper	sig	chr1_228465435
chr1	35577343	35577343	+	1.029E-12	1.33362E-11	0.246924	hyper	sig	chr1_35577343
chr8	54467616	54467616	+	1.032E-12	1.33616E-11	0.209384	hyper	sig	chr8_54467616
chr17	48592081	48592081	+	1.034E-12	1.33905E-11	-0.20992	hypo	sig	chr17_48592081
chr19	3481907	3481907	+	1.034E-12	1.33907E-11	-0.23257	hypo	sig	chr19_3481907
chr9	1.37E+08	137243160	+	1.034E-12	1.33921E-11	-0.22151	hypo	sig	chr9_137243160
chr5	1.51E+08	151303478	+	1.034E-12	1.33955E-11	-0.20072	hypo	sig	chr5_151303478
chr1	16227687	16227687	+	1.035E-12	1.34003E-11	0.204596	hyper	sig	chr1_16227687
chr6	1.42E+08	141562300	+	1.036E-12	1.3417E-11	-0.24962	hypo	sig	chr6_141562300
chr7	38292270	38292270	+	1.037E-12	1.34317E-11	-0.23404	hypo	sig	chr7_38292270
chr13	1.08E+08	107868683	+	1.039E-12	1.34542E-11	0.235505	hyper	sig	chr13_107868683
chr10	1.17E+08	117140277	+	1.04E-12	1.34675E-11	0.262789	hyper	sig	chr10_117140277
chr12	1.32E+08	132320362	+	1.04E-12	1.34699E-11	-0.22011	hypo	sig	chr12_132320362
chr1	11692291	11692291	+	1.043E-12	1.35052E-11	0.203612	hyper	sig	chr1_11692291
chr3	36763975	36763975	+	1.045E-12	1.3525E-11	0.311969	hyper	sig	chr3_36763975
chr2	74832186	74832186	+	1.047E-12	1.35512E-11	-0.22431	hypo	sig	chr2_74832186
chr10	1.01E+08	100738642	+	1.049E-12	1.35736E-11	0.202676	hyper	sig	chr10_100738642
chr12	1.1E+08	109845843	+	1.049E-12	1.35802E-11	-0.21488	hypo	sig	chr12_109845843
chr17	65539449	65539449	+	1.05E-12	1.35931E-11	-0.21914	hypo	sig	chr17_65539449
chr5	1.46E+08	146334317	+	1.053E-12	1.36307E-11	0.21784	hyper	sig	chr5_146334317
chr13	87677542	87677542	+	1.055E-12	1.36477E-11	0.205253	hyper	sig	chr13_87677542
chr19	38790766	38790766	+	1.055E-12	1.36554E-11	-0.21652	hypo	sig	chr19_38790766
chr9	1.37E+08	137244385	+	1.057E-12	1.36751E-11	-0.21643	hypo	sig	chr9_137244385
chr11	20596877	20596877	+	1.058E-12	1.36921E-11	0.26214	hyper	sig	chr11_20596877
chr11	1.25E+08	125494865	+	1.059E-12	1.36933E-11	0.26463	hyper	sig	chr11_125494865
chr2	26176125	26176125	+	1.059E-12	1.36933E-11	-0.23161	hypo	sig	chr2_26176125
chr15	78626130	78626130	+	1.06E-12	1.37097E-11	-0.23796	hypo	sig	chr15_78626130
chr3	1.96E+08	195834103	+	1.061E-12	1.37223E-11	-0.26934	hypo	sig	chr3_195834103
chr11	64972177	64972177	+	1.063E-12	1.37466E-11	0.309405	hyper	sig	chr11_64972177
chr9	971823	971823	+	1.065E-12	1.37736E-11	0.226354	hyper	sig	chr9_971823
chr7	95397411	95397411	+	1.065E-12	1.37741E-11	-0.20635	hypo	sig	chr7_95397411
chr2	96116256	96116256	+	1.068E-12	1.38128E-11	0.205006	hyper	sig	chr2_96116256
chr7	1.28E+08	128354810	+	1.069E-12	1.38194E-11	-0.26803	hypo	sig	chr7_128354810
chr8	1.43E+08	143248225	+	1.069E-12	1.38228E-11	-0.21529	hypo	sig	chr8_143248225
chr12	50033040	50033040	+	1.07E-12	1.38357E-11	0.286396	hyper	sig	chr12_50033040
chr20	63161158	63161158	+	1.074E-12	1.38856E-11	-0.24989	hypo	sig	chr20_63161158
chr13	93453491	93453491	+	1.074E-12	1.38887E-11	-0.33019	hypo	sig	chr13_93453491
chr19	42088896	42088896	+	1.077E-12	1.39266E-11	-0.20616	hypo	sig	chr19_42088896

chr11	46361456	46361456	+	1.078E-12	1.39282E-11	0.232139	hyper	sig	chr11_46361456
chr12	45051587	45051587	+	1.08E-12	1.39566E-11	0.26013	hyper	sig	chr12_45051587
chr21	46113245	46113245	+	1.081E-12	1.39657E-11	-0.20745	hypo	sig	chr21_46113245
chr16	81633562	81633562	+	1.081E-12	1.39708E-11	-0.21785	hypo	sig	chr16_81633562
chr8	23714227	23714227	+	1.082E-12	1.39839E-11	0.231884	hyper	sig	chr8_23714227
chr1	2.43E+08	242523405	+	1.083E-12	1.3996E-11	0.288458	hyper	sig	chr1_242523405
chr8	1.08E+08	108131533	+	1.085E-12	1.40174E-11	-0.24914	hypo	sig	chr8_108131533
chr3	1.51E+08	151085016	+	1.085E-12	1.40229E-11	0.215252	hyper	sig	chr3_151085016
chr22	45924139	45924139	+	1.085E-12	1.40236E-11	-0.20346	hypo	sig	chr22_45924139
chr20	21102182	21102182	+	1.086E-12	1.40287E-11	0.209453	hyper	sig	chr20_21102182
chr12	1.23E+08	122730325	+	1.086E-12	1.40372E-11	-0.20193	hypo	sig	chr12_122730325
chr7	1.57E+08	157280580	+	1.087E-12	1.40442E-11	-0.22577	hypo	sig	chr7_157280580
chr7	5574324	5574324	+	1.089E-12	1.4068E-11	-0.24908	hypo	sig	chr7_5574324
chr7	1421044	1421044	+	1.095E-12	1.41398E-11	-0.20119	hypo	sig	chr7_1421044
chr5	1.41E+08	140882811	+	1.098E-12	1.41749E-11	0.24531	hyper	sig	chr5_140882811
chr7	1.54E+08	153887298	+	1.099E-12	1.41938E-11	0.259045	hyper	sig	chr7_153887298
chr10	22479922	22479922	+	1.1E-12	1.42045E-11	-0.21559	hypo	sig	chr10_22479922
chr6	1.32E+08	132402854	+	1.106E-12	1.4283E-11	-0.28099	hypo	sig	chr6_132402854
chr12	57570230	57570230	+	1.109E-12	1.4316E-11	-0.23514	hypo	sig	chr12_57570230
chr15	52795155	52795155	+	1.109E-12	1.43173E-11	0.274586	hyper	sig	chr15_52795155
chr11	4212244	4212244	+	1.112E-12	1.43579E-11	0.242986	hyper	sig	chr11_4212244
chr12	34305076	34305076	+	1.113E-12	1.43673E-11	-0.2212	hypo	sig	chr12_34305076
chr3	62369292	62369292	+	1.116E-12	1.44101E-11	0.209608	hyper	sig	chr3_62369292
chr13	30847986	30847986	+	1.117E-12	1.4419E-11	0.209876	hyper	sig	chr13_30847986
chr11	72639433	72639433	+	1.12E-12	1.44541E-11	-0.21745	hypo	sig	chr11_72639433
chr1	2.47E+08	247374044	+	1.124E-12	1.45006E-11	0.219642	hyper	sig	chr1_247374044
chr13	1.02E+08	101919864	+	1.126E-12	1.45358E-11	0.230743	hyper	sig	chr13_101919864
chr17	44268130	44268130	+	1.131E-12	1.45944E-11	-0.24893	hypo	sig	chr17_44268130
chr22	39100458	39100458	+	1.135E-12	1.46475E-11	-0.22945	hypo	sig	chr22_39100458
chr19	57099528	57099528	+	1.136E-12	1.46571E-11	0.225079	hyper	sig	chr19_57099528
chr5	74867055	74867055	+	1.139E-12	1.46863E-11	-0.2069	hypo	sig	chr5_74867055
chr9	1.25E+08	125260079	+	1.139E-12	1.46959E-11	-0.2169	hypo	sig	chr9_125260079
chr19	41577396	41577396	+	1.143E-12	1.47459E-11	-0.21401	hypo	sig	chr19_41577396
chr11	1.08E+08	107929196	+	1.145E-12	1.47628E-11	0.213837	hyper	sig	chr11_107929196
chr6	1.66E+08	165819718	+	1.149E-12	1.48183E-11	0.259543	hyper	sig	chr6_165819718
chr14	73713244	73713244	+	1.15E-12	1.48315E-11	0.212639	hyper	sig	chr14_73713244
chr13	1.13E+08	112973195	+	1.151E-12	1.48409E-11	-0.21061	hypo	sig	chr13_112973195
chr5	1.8E+08	180093950	+	1.153E-12	1.48693E-11	-0.24292	hypo	sig	chr5_180093950
chr21	33024163	33024163	+	1.153E-12	1.48698E-11	0.227834	hyper	sig	chr21_33024163
chr1	2.17E+08	217138651	+	1.154E-12	1.48789E-11	0.227301	hyper	sig	chr1_217138651
chr6	1.42E+08	142088442	+	1.154E-12	1.48831E-11	0.205754	hyper	sig	chr6_142088442
chr10	1.21E+08	120950257	+	1.156E-12	1.49059E-11	0.219834	hyper	sig	chr10_120950257
chr1	1.82E+08	182062466	+	1.157E-12	1.49109E-11	-0.21753	hypo	sig	chr1_182062466
chr11	65833342	65833342	+	1.157E-12	1.49158E-11	0.241018	hyper	sig	chr11_65833342
chr3	28576675	28576675	+	1.16E-12	1.49527E-11	0.221741	hyper	sig	chr3_28576675
chr19	58033850	58033850	+	1.16E-12	1.49565E-11	0.212818	hyper	sig	chr19_58033850
chr1	1.48E+08	148310005	+	1.162E-12	1.49848E-11	0.201893	hyper	sig	chr1_148310005
chr1	2.47E+08	246606522	+	1.164E-12	1.49988E-11	-0.27495	hypo	sig	chr1_246606522
chr19	19861225	19861225	+	1.166E-12	1.5027E-11	0.20814	hyper	sig	chr19_19861225
chr2	1.31E+08	131154882	+	1.169E-12	1.50663E-11	-0.20621	hypo	sig	chr2_131154882
chr2	1.21E+08	120978200	+	1.17E-12	1.508E-11	-0.23283	hypo	sig	chr2_120978200
chr2	64993088	64993088	+	1.172E-12	1.51036E-11	-0.22311	hypo	sig	chr2_64993088
chr21	36696982	36696982	+	1.172E-12	1.5104E-11	0.221348	hyper	sig	chr21_36696982
chr6	30259187	30259187	+	1.173E-12	1.5117E-11	0.225032	hyper	sig	chr6_30259187
chr6	11223924	11223924	+	1.173E-12	1.51192E-11	-0.20444	hypo	sig	chr6_11223924
chr19	57708754	57708754	+	1.174E-12	1.51286E-11	0.264175	hyper	sig	chr19_57708754

chr10	6120868	6120868	+	1.175E-12	1.51436E-11	-0.22809	hypo	sig	chr10_6120868
chr13	1.12E+08	112071627	+	1.176E-12	1.51494E-11	0.210461	hyper	sig	chr13_112071627
chr19	17377716	17377716	+	1.176E-12	1.5158E-11	-0.21307	hypo	sig	chr19_17377716
chr14	96625565	96625565	+	1.178E-12	1.51818E-11	-0.2328	hypo	sig	chr14_96625565
chr17	9925458	9925458	+	1.18E-12	1.51994E-11	-0.221	hypo	sig	chr17_9925458
chr20	61313600	61313600	+	1.18E-12	1.52013E-11	-0.23738	hypo	sig	chr20_61313600
chr3	58586859	58586859	+	1.181E-12	1.52129E-11	0.252667	hyper	sig	chr3_58586859
chr2	2.42E+08	241834328	+	1.185E-12	1.52679E-11	-0.20339	hypo	sig	chr2_241834328
chr16	1068867	1068867	+	1.186E-12	1.52714E-11	-0.22991	hypo	sig	chr16_1068867
chr14	85529492	85529492	+	1.192E-12	1.53463E-11	0.300517	hyper	sig	chr14_85529492
chr13	1.08E+08	107868649	+	1.192E-12	1.53514E-11	0.216548	hyper	sig	chr13_107868649
chr14	60641574	60641574	+	1.192E-12	1.5355E-11	0.222744	hyper	sig	chr14_60641574
chr5	2643096	2643096	+	1.194E-12	1.53695E-11	0.215353	hyper	sig	chr5_2643096
chr13	96054555	96054555	+	1.196E-12	1.53957E-11	-0.26578	hypo	sig	chr13_96054555
chr3	1.88E+08	187696223	+	1.196E-12	1.54021E-11	-0.28756	hypo	sig	chr3_187696223
chr14	1.05E+08	104928905	+	1.197E-12	1.54171E-11	-0.21437	hypo	sig	chr14_104928905
chr12	48198944	48198944	+	1.198E-12	1.54273E-11	0.220045	hyper	sig	chr12_48198944
chr19	53883767	53883767	+	1.199E-12	1.54324E-11	0.21251	hyper	sig	chr19_53883767
chr5	7392154	7392154	+	1.204E-12	1.55027E-11	-0.23137	hypo	sig	chr5_7392154
chr8	1414412	1414412	+	1.211E-12	1.55894E-11	-0.20757	hypo	sig	chr8_1414412
chr20	51023487	51023487	+	1.212E-12	1.5597E-11	0.245665	hyper	sig	chr20_51023487
chr5	32713639	32713639	+	1.213E-12	1.56085E-11	0.203503	hyper	sig	chr5_32713639
chr16	691392	691392	+	1.214E-12	1.56193E-11	-0.23486	hypo	sig	chr16_691392
chr19	9363204	9363204	+	1.215E-12	1.56343E-11	0.215685	hyper	sig	chr19_9363204
chr5	17604832	17604832	+	1.217E-12	1.5662E-11	-0.31773	hypo	sig	chr5_17604832
chr6	45664071	45664071	+	1.219E-12	1.568E-11	0.2256	hyper	sig	chr6_45664071
chr21	29020000	29020000	+	1.219E-12	1.56884E-11	-0.21228	hypo	sig	chr21_29020000
chr11	73296622	73296622	+	1.221E-12	1.57028E-11	-0.24004	hypo	sig	chr11_73296622
chr6	33190713	33190713	+	1.221E-12	1.57036E-11	-0.23894	hypo	sig	chr6_33190713
chr1	1.48E+08	148033587	+	1.222E-12	1.57176E-11	0.306439	hyper	sig	chr1_148033587
chr4	574509	574509	+	1.222E-12	1.57225E-11	0.207004	hyper	sig	chr4_574509
chr3	6863291	6863291	+	1.224E-12	1.574E-11	0.220508	hyper	sig	chr3_6863291
chr11	1149786	1149786	+	1.226E-12	1.57623E-11	-0.21907	hypo	sig	chr11_1149786
chr19	51373216	51373216	+	1.226E-12	1.57675E-11	-0.22403	hypo	sig	chr19_51373216
chr8	1451905	1451905	+	1.227E-12	1.57796E-11	-0.2449	hypo	sig	chr8_1451905
chr8	42691658	42691658	+	1.228E-12	1.57882E-11	-0.22424	hypo	sig	chr8_42691658
chr3	1.72E+08	172448735	+	1.23E-12	1.58137E-11	0.247236	hyper	sig	chr3_172448735
chr17	77373806	77373806	+	1.231E-12	1.58346E-11	0.275682	hyper	sig	chr17_77373806
chr2	73203210	73203210	+	1.232E-12	1.58394E-11	0.248687	hyper	sig	chr2_73203210
chr3	13884130	13884130	+	1.232E-12	1.58459E-11	-0.2199	hypo	sig	chr3_13884130
chr17	79048386	79048386	+	1.234E-12	1.58686E-11	-0.25365	hypo	sig	chr17_79048386
chr6	26743981	26743981	+	1.238E-12	1.5915E-11	0.286585	hyper	sig	chr6_26743981
chr6	1.67E+08	167296805	+	1.24E-12	1.59462E-11	-0.22967	hypo	sig	chr6_167296805
chr6	28537652	28537652	+	1.241E-12	1.59523E-11	0.211575	hyper	sig	chr6_28537652
chr1	1.46E+08	146486615	+	1.249E-12	1.60532E-11	0.24637	hyper	sig	chr1_146486615
chr19	34905548	34905548	+	1.251E-12	1.60833E-11	0.211956	hyper	sig	chr19_34905548
chr16	51113867	51113867	+	1.254E-12	1.61219E-11	0.207874	hyper	sig	chr16_51113867
chr3	36762161	36762161	+	1.255E-12	1.61253E-11	-0.24141	hypo	sig	chr3_36762161
chr17	81025597	81025597	+	1.257E-12	1.61552E-11	-0.20311	hypo	sig	chr17_81025597
chr2	1.9E+08	189582012	+	1.258E-12	1.61689E-11	-0.28597	hypo	sig	chr2_189582012
chr11	2155635	2155635	+	1.264E-12	1.62362E-11	-0.22723	hypo	sig	chr11_2155635
chr13	94704860	94704860	+	1.264E-12	1.62362E-11	0.219309	hyper	sig	chr13_94704860
chr5	3599656	3599656	+	1.264E-12	1.62408E-11	0.224113	hyper	sig	chr5_3599656
chr15	95327221	95327221	+	1.266E-12	1.62596E-11	0.235496	hyper	sig	chr15_95327221
chr10	1.24E+08	124106836	+	1.267E-12	1.62714E-11	-0.20307	hypo	sig	chr10_124106836
chr6	1.59E+08	158999029	+	1.27E-12	1.63073E-11	-0.23619	hypo	sig	chr6_158999029

chr5	1.78E+08	178206808	+	1.276E-12	1.63861E-11	-0.2094	hypo	sig	chr5_178206808
chr3	1.28E+08	128463046	+	1.28E-12	1.64326E-11	-0.20616	hypo	sig	chr3_128463046
chr19	13014365	13014365	+	1.28E-12	1.64363E-11	0.264699	hyper	sig	chr19_13014365
chr20	43916486	43916486	+	1.281E-12	1.6447E-11	0.234075	hyper	sig	chr20_43916486
chr6	32148436	32148436	+	1.283E-12	1.64679E-11	0.211702	hyper	sig	chr6_32148436
chr8	1.42E+08	141520665	+	1.285E-12	1.65002E-11	-0.28419	hypo	sig	chr8_141520665
chr6	1.6E+08	159820325	+	1.286E-12	1.65043E-11	-0.28227	hypo	sig	chr6_159820325
chr17	2012183	2012183	+	1.291E-12	1.65669E-11	-0.25685	hypo	sig	chr17_2012183
chr12	57632259	57632259	+	1.291E-12	1.65765E-11	0.200319	hyper	sig	chr12_57632259
chr3	1.41E+08	140940436	+	1.291E-12	1.65772E-11	-0.23657	hypo	sig	chr3_140940436
chr12	1.32E+08	132356598	+	1.293E-12	1.65962E-11	-0.2379	hypo	sig	chr12_132356598
chr14	43541160	43541160	+	1.293E-12	1.65962E-11	-0.25823	hypo	sig	chr14_43541160
chr19	31353064	31353064	+	1.293E-12	1.65986E-11	0.215429	hyper	sig	chr19_31353064
chr1	2.29E+08	229431463	+	1.295E-12	1.6624E-11	0.224273	hyper	sig	chr1_229431463
chr2	74148419	74148419	+	1.302E-12	1.6706E-11	0.256342	hyper	sig	chr2_74148419
chr16	58499839	58499839	+	1.303E-12	1.67158E-11	-0.20613	hypo	sig	chr16_58499839
chr17	44657171	44657171	+	1.308E-12	1.6777E-11	0.20825	hyper	sig	chr17_44657171
chr10	1.01E+08	101140639	+	1.308E-12	1.67802E-11	0.244744	hyper	sig	chr10_101140639
chr7	45092291	45092291	+	1.31E-12	1.68045E-11	-0.22616	hypo	sig	chr7_45092291
chr17	49035827	49035827	+	1.314E-12	1.68561E-11	-0.25684	hypo	sig	chr17_49035827
chr12	1.29E+08	128944728	+	1.315E-12	1.68628E-11	-0.27739	hypo	sig	chr12_128944728
chr6	26743718	26743718	+	1.315E-12	1.68687E-11	0.243266	hyper	sig	chr6_26743718
chr1	1.57E+08	156642595	+	1.318E-12	1.69042E-11	0.219068	hyper	sig	chr1_156642595
chr1	47986754	47986754	+	1.319E-12	1.6917E-11	-0.2063	hypo	sig	chr1_47986754
chr3	44585252	44585252	+	1.321E-12	1.69413E-11	0.200334	hyper	sig	chr3_44585252
chr10	1.04E+08	103660960	+	1.321E-12	1.69437E-11	0.214177	hyper	sig	chr10_103660960
chr5	1.81E+08	181114714	+	1.323E-12	1.69643E-11	0.208696	hyper	sig	chr5_181114714
chr7	1.42E+08	141550994	+	1.327E-12	1.70132E-11	0.280002	hyper	sig	chr7_141550994
chr6	1.08E+08	108166220	+	1.333E-12	1.70876E-11	0.293401	hyper	sig	chr6_108166220
chr14	1.01E+08	100793804	+	1.336E-12	1.71199E-11	-0.24772	hypo	sig	chr14_100793804
chr2	96116253	96116253	+	1.337E-12	1.71428E-11	0.212495	hyper	sig	chr2_96116253
chr3	75604401	75604401	+	1.338E-12	1.7151E-11	-0.2708	hypo	sig	chr3_75604401
chr13	52847553	52847553	+	1.341E-12	1.71816E-11	0.235705	hyper	sig	chr13_52847553
chr15	25657187	25657187	+	1.342E-12	1.72044E-11	-0.20202	hypo	sig	chr15_25657187
chr15	82808941	82808941	+	1.344E-12	1.72216E-11	-0.22348	hypo	sig	chr15_82808941
chr19	51257862	51257862	+	1.347E-12	1.7259E-11	-0.22	hypo	sig	chr19_51257862
chr19	3881223	3881223	+	1.347E-12	1.72629E-11	0.200768	hyper	sig	chr19_3881223
chr22	25027486	25027486	+	1.348E-12	1.72756E-11	-0.20816	hypo	sig	chr22_25027486
chr9	97077389	97077389	+	1.348E-12	1.72756E-11	0.2472	hyper	sig	chr9_97077389
chr6	10881808	10881808	+	1.351E-12	1.73109E-11	0.236817	hyper	sig	chr6_10881808
chr6	16216962	16216962	+	1.354E-12	1.73461E-11	0.262815	hyper	sig	chr6_16216962
chr7	1742552	1742552	+	1.355E-12	1.73592E-11	-0.21741	hypo	sig	chr7_1742552
chr6	10881785	10881785	+	1.357E-12	1.73831E-11	0.21269	hyper	sig	chr6_10881785
chr9	1.32E+08	132196586	+	1.359E-12	1.74071E-11	-0.20369	hypo	sig	chr9_132196586
chr5	1.19E+08	119355529	+	1.36E-12	1.74157E-11	-0.28383	hypo	sig	chr5_119355529
chr16	89569836	89569836	+	1.36E-12	1.74202E-11	-0.24187	hypo	sig	chr16_89569836
chr1	6004034	6004034	+	1.366E-12	1.74891E-11	-0.20613	hypo	sig	chr1_6004034
chr2	96527408	96527408	+	1.366E-12	1.74891E-11	0.21521	hyper	sig	chr2_96527408
chr1	1.57E+08	156910632	+	1.366E-12	1.74959E-11	-0.21871	hypo	sig	chr1_156910632
chr5	1.79E+08	179218663	+	1.369E-12	1.75358E-11	-0.2072	hypo	sig	chr5_179218663
chr12	95549302	95549302	+	1.37E-12	1.75367E-11	0.210762	hyper	sig	chr12_95549302
chr4	37245957	37245957	+	1.371E-12	1.75487E-11	0.281992	hyper	sig	chr4_37245957
chr7	1.01E+08	101362763	+	1.375E-12	1.76052E-11	0.229145	hyper	sig	chr7_101362763
chr5	79689728	79689728	+	1.375E-12	1.76079E-11	0.286748	hyper	sig	chr5_79689728
chr22	23573253	23573253	+	1.38E-12	1.76608E-11	-0.27306	hypo	sig	chr22_23573253
chr11	1.33E+08	133065639	+	1.381E-12	1.76763E-11	-0.21821	hypo	sig	chr11_133065639

chr17	76538459	76538459	+	1.381E-12	1.76812E-11	0.205842	hyper	sig	chr17_76538459
chr17	44915380	44915380	+	1.382E-12	1.76875E-11	-0.20588	hypo	sig	chr17_44915380
chr15	79433261	79433261	+	1.386E-12	1.77358E-11	0.230495	hyper	sig	chr15_79433261
chr6	29975631	29975631	+	1.386E-12	1.77394E-11	0.224154	hyper	sig	chr6_29975631
chr6	70958326	70958326	+	1.389E-12	1.77806E-11	-0.2335	hypo	sig	chr6_70958326
chr3	26622078	26622078	+	1.39E-12	1.77839E-11	0.259288	hyper	sig	chr3_26622078
chr10	44293311	44293311	+	1.39E-12	1.77922E-11	0.237718	hyper	sig	chr10_44293311
chr19	56765468	56765468	+	1.391E-12	1.78069E-11	0.206204	hyper	sig	chr19_56765468
chr16	3414099	3414099	+	1.392E-12	1.78184E-11	0.261231	hyper	sig	chr16_3414099
chr10	1.24E+08	124091749	+	1.397E-12	1.78701E-11	0.208466	hyper	sig	chr10_124091749
chr5	1.59E+08	159050699	+	1.397E-12	1.78769E-11	-0.20413	hypo	sig	chr5_159050699
chr16	3957818	3957818	+	1.399E-12	1.78961E-11	-0.31726	hypo	sig	chr16_3957818
chr11	30016299	30016299	+	1.401E-12	1.79246E-11	0.226757	hyper	sig	chr11_30016299
chr9	1.32E+08	132208966	+	1.401E-12	1.79309E-11	-0.23861	hypo	sig	chr9_132208966
chr19	2888945	2888945	+	1.407E-12	1.79948E-11	-0.22024	hypo	sig	chr19_2888945
chr1	47995275	47995275	+	1.411E-12	1.80518E-11	-0.22579	hypo	sig	chr1_47995275
chr22	50028104	50028104	+	1.414E-12	1.8087E-11	-0.2295	hypo	sig	chr22_50028104
chr1	18600022	18600022	+	1.415E-12	1.81005E-11	-0.2153	hypo	sig	chr1_18600022
chr7	1.55E+08	155470652	+	1.417E-12	1.81198E-11	0.243341	hyper	sig	chr7_155470652
chr11	31802677	31802677	+	1.417E-12	1.81269E-11	0.243397	hyper	sig	chr11_31802677
chr7	1224405	1224405	+	1.418E-12	1.81333E-11	0.221621	hyper	sig	chr7_1224405
chr2	2.32E+08	231662785	+	1.421E-12	1.8174E-11	-0.21243	hypo	sig	chr2_231662785
chr9	1.17E+08	117413241	+	1.432E-12	1.83093E-11	0.290305	hyper	sig	chr9_117413241
chr2	4003207	4003207	+	1.432E-12	1.83118E-11	-0.24161	hypo	sig	chr2_4003207
chr1	2.03E+08	203086506	+	1.436E-12	1.83514E-11	-0.22365	hypo	sig	chr1_203086506
chr13	26742962	26742962	+	1.436E-12	1.83583E-11	0.208145	hyper	sig	chr13_26742962
chr1	9690716	9690716	+	1.445E-12	1.84661E-11	-0.23309	hypo	sig	chr1_9690716
chr1	50413888	50413888	+	1.449E-12	1.85221E-11	-0.20208	hypo	sig	chr1_50413888
chr20	45316794	45316794	+	1.455E-12	1.85907E-11	0.217215	hyper	sig	chr20_45316794
chr10	1.01E+08	101236278	+	1.456E-12	1.86025E-11	0.263386	hyper	sig	chr10_101236278
chr5	1.8E+08	180205554	+	1.461E-12	1.86706E-11	-0.2003	hypo	sig	chr5_180205554
chr6	1.64E+08	163636045	+	1.461E-12	1.86706E-11	-0.21962	hypo	sig	chr6_163636045
chr10	3330745	3330745	+	1.463E-12	1.86844E-11	-0.20678	hypo	sig	chr10_3330745
chr12	1920981	1920981	+	1.464E-12	1.87003E-11	-0.23888	hypo	sig	chr12_1920981
chr17	45844145	45844145	+	1.466E-12	1.87255E-11	-0.21645	hypo	sig	chr17_45844145
chr3	1.72E+08	172449631	+	1.467E-12	1.87447E-11	0.214946	hyper	sig	chr3_172449631
chr16	69351924	69351924	+	1.47E-12	1.87766E-11	-0.21093	hypo	sig	chr16_69351924
chr17	20585791	20585791	+	1.474E-12	1.883E-11	-0.20948	hypo	sig	chr17_20585791
chr1	1.46E+08	146486691	+	1.474E-12	1.88308E-11	0.208867	hyper	sig	chr1_146486691
chr1	1.15E+08	114855554	+	1.476E-12	1.88436E-11	0.223234	hyper	sig	chr1_114855554
chr17	6853477	6853477	+	1.477E-12	1.88578E-11	-0.20045	hypo	sig	chr17_6853477
chr1	98044626	98044626	+	1.477E-12	1.88609E-11	0.201859	hyper	sig	chr1_98044626
chr3	1.27E+08	126705009	+	1.477E-12	1.88617E-11	0.213672	hyper	sig	chr3_126705009
chr17	41350882	41350882	+	1.478E-12	1.88711E-11	-0.2501	hypo	sig	chr17_41350882
chr13	1.11E+08	111412576	+	1.48E-12	1.88959E-11	-0.21664	hypo	sig	chr13_111412576
chr8	57143495	57143495	+	1.482E-12	1.89154E-11	0.222142	hyper	sig	chr8_57143495
chr19	57099524	57099524	+	1.484E-12	1.89509E-11	0.220911	hyper	sig	chr19_57099524
chr22	32205114	32205114	+	1.486E-12	1.89708E-11	-0.21994	hypo	sig	chr22_32205114
chr12	1.14E+08	114395970	+	1.487E-12	1.89838E-11	0.214651	hyper	sig	chr12_114395970
chr16	56663300	56663300	+	1.487E-12	1.89864E-11	0.327816	hyper	sig	chr16_56663300
chr2	2.42E+08	241863648	+	1.488E-12	1.8991E-11	0.211707	hyper	sig	chr2_241863648
chr1	2505855	2505855	+	1.489E-12	1.90074E-11	-0.20889	hypo	sig	chr1_2505855
chr1	19403562	19403562	+	1.49E-12	1.90236E-11	-0.20484	hypo	sig	chr1_19403562
chr14	66012859	66012859	+	1.493E-12	1.90521E-11	-0.25136	hypo	sig	chr14_66012859
chr7	1.58E+08	157721024	+	1.495E-12	1.90825E-11	-0.208	hypo	sig	chr7_157721024
chr8	26582833	26582833	+	1.497E-12	1.91E-11	-0.2009	hypo	sig	chr8_26582833

chr5	3103660	3103660	+	1.498E-12	1.91204E-11	0.201257	hyper	sig	chr5_3103660
chr11	49561396	49561396	+	1.5E-12	1.91432E-11	0.200287	hyper	sig	chr11_49561396
chr20	63690102	63690102	+	1.502E-12	1.91686E-11	-0.22735	hypo	sig	chr20_63690102
chr7	44963381	44963381	+	1.504E-12	1.91911E-11	-0.21132	hypo	sig	chr7_44963381
chr6	37658591	37658591	+	1.507E-12	1.92301E-11	-0.20518	hypo	sig	chr6_37658591
chr10	75048883	75048883	+	1.509E-12	1.92482E-11	-0.20109	hypo	sig	chr10_75048883
chr12	49544235	49544235	+	1.511E-12	1.92753E-11	0.216412	hyper	sig	chr12_49544235
chr16	10180597	10180597	+	1.512E-12	1.92832E-11	0.234683	hyper	sig	chr16_10180597
chr2	38074620	38074620	+	1.512E-12	1.929E-11	0.213413	hyper	sig	chr2_38074620
chr16	51113871	51113871	+	1.515E-12	1.93229E-11	0.213597	hyper	sig	chr16_51113871
chr7	1.28E+08	128102421	+	1.517E-12	1.93452E-11	-0.21579	hypo	sig	chr7_128102421
chr19	11359533	11359533	+	1.517E-12	1.93477E-11	-0.23274	hypo	sig	chr19_11359533
chr15	52788156	52788156	+	1.518E-12	1.9353E-11	0.259959	hyper	sig	chr15_52788156
chr15	1.01E+08	101267189	+	1.53E-12	1.95051E-11	-0.20555	hypo	sig	chr15_101267189
chr22	39293914	39293914	+	1.53E-12	1.95104E-11	-0.21143	hypo	sig	chr22_39293914
chr3	1.29E+08	128849734	+	1.536E-12	1.95787E-11	-0.23049	hypo	sig	chr3_128849734
chr11	1.23E+08	122976829	+	1.537E-12	1.95925E-11	0.220187	hyper	sig	chr11_122976829
chr16	51113845	51113845	+	1.539E-12	1.9616E-11	0.206843	hyper	sig	chr16_51113845
chr19	35350756	35350756	+	1.539E-12	1.96182E-11	-0.20349	hypo	sig	chr19_35350756
chr19	4902505	4902505	+	1.54E-12	1.96241E-11	-0.25768	hypo	sig	chr19_4902505
chr1	3296826	3296826	+	1.544E-12	1.96788E-11	-0.20596	hypo	sig	chr1_3296826
chr1	16171591	16171591	+	1.545E-12	1.96952E-11	-0.23372	hypo	sig	chr1_16171591
chr5	3393892	3393892	+	1.548E-12	1.9722E-11	-0.20085	hypo	sig	chr5_3393892
chr1	2017915	2017915	+	1.554E-12	1.98011E-11	-0.20076	hypo	sig	chr1_2017915
chr19	53942730	53942730	+	1.555E-12	1.98173E-11	0.364217	hyper	sig	chr19_53942730
chr14	1.06E+08	105763265	+	1.558E-12	1.98569E-11	-0.20164	hypo	sig	chr14_105763265
chr6	28817075	28817075	+	1.566E-12	1.99541E-11	0.235663	hyper	sig	chr6_28817075
chr2	44943580	44943580	+	1.568E-12	1.99773E-11	0.205315	hyper	sig	chr2_44943580
chr1	3296840	3296840	+	1.57E-12	1.99998E-11	-0.2097	hypo	sig	chr1_3296840
chr19	710850	710850	+	1.572E-12	2.00278E-11	-0.20554	hypo	sig	chr19_710850
chr7	1.44E+08	144407514	+	1.574E-12	2.00473E-11	-0.22859	hypo	sig	chr7_144407514
chr3	46465121	46465121	+	1.574E-12	2.00519E-11	0.203628	hyper	sig	chr3_46465121
chr22	19033015	19033015	+	1.576E-12	2.00723E-11	-0.20248	hypo	sig	chr22_19033015
chr4	912612	912612	+	1.576E-12	2.00805E-11	-0.21222	hypo	sig	chr4_912612
chr2	1.49E+08	148882253	+	1.581E-12	2.01369E-11	-0.20505	hypo	sig	chr2_148882253
chr1	5836362	5836362	+	1.582E-12	2.01471E-11	-0.22103	hypo	sig	chr1_5836362
chr8	67952314	67952314	+	1.587E-12	2.02151E-11	0.220731	hyper	sig	chr8_67952314
chr13	1.1E+08	110306685	+	1.593E-12	2.02812E-11	0.205086	hyper	sig	chr13_110306685
chr15	40343679	40343679	+	1.594E-12	2.02922E-11	-0.21952	hypo	sig	chr15_40343679
chr2	1.54E+08	153873662	+	1.595E-12	2.03017E-11	0.207172	hyper	sig	chr2_153873662
chr17	78232219	78232219	+	1.598E-12	2.03376E-11	0.20209	hyper	sig	chr17_78232219
chr10	1.33E+08	133091920	+	1.604E-12	2.04172E-11	-0.20112	hypo	sig	chr10_133091920
chr5	25910879	25910879	+	1.607E-12	2.04595E-11	-0.21585	hypo	sig	chr5_25910879
chr5	1.79E+08	179270356	+	1.611E-12	2.04996E-11	-0.21938	hypo	sig	chr5_179270356
chr1	98044803	98044803	+	1.615E-12	2.05495E-11	0.238789	hyper	sig	chr1_98044803
chr11	64972126	64972126	+	1.618E-12	2.05923E-11	0.312697	hyper	sig	chr11_64972126
chr11	32427559	32427559	+	1.624E-12	2.06666E-11	0.233122	hyper	sig	chr11_32427559
chr18	59274526	59274526	+	1.625E-12	2.06736E-11	0.239689	hyper	sig	chr18_59274526
chr3	1.7E+08	169666590	+	1.626E-12	2.06889E-11	0.228883	hyper	sig	chr3_169666590
chr9	1.37E+08	136986099	+	1.632E-12	2.07586E-11	0.225753	hyper	sig	chr9_136986099
chr19	45901464	45901464	+	1.633E-12	2.07743E-11	0.233324	hyper	sig	chr19_45901464
chr1	54376791	54376791	+	1.634E-12	2.07849E-11	-0.23317	hypo	sig	chr1_54376791
chr10	90857248	90857248	+	1.636E-12	2.08058E-11	0.256409	hyper	sig	chr10_90857248
chr5	5146252	5146252	+	1.636E-12	2.08064E-11	-0.21877	hypo	sig	chr5_5146252
chr5	1.41E+08	141225675	+	1.637E-12	2.08161E-11	0.206066	hyper	sig	chr5_141225675
chr2	1.39E+08	138779930	+	1.637E-12	2.08193E-11	0.267848	hyper	sig	chr2_138779930

chr1	46544446	46544446	+	1.644E-12	2.09105E-11	0.23304	hyper	sig	chr1_46544446
chr2	2.39E+08	239274495	+	1.655E-12	2.10447E-11	-0.20238	hypo	sig	chr2_239274495
chr1	6466265	6466265	+	1.663E-12	2.11354E-11	0.21044	hyper	sig	chr1_6466265
chr17	8057094	8057094	+	1.663E-12	2.11435E-11	-0.25027	hypo	sig	chr17_8057094
chr20	49318265	49318265	+	1.668E-12	2.12059E-11	0.292226	hyper	sig	chr20_49318265
chr11	493080	493080	+	1.669E-12	2.12092E-11	-0.21958	hypo	sig	chr11_493080
chr11	915314	915314	+	1.684E-12	2.14023E-11	-0.21835	hypo	sig	chr11_915314
chr19	41088212	41088212	+	1.69E-12	2.14725E-11	-0.27084	hypo	sig	chr19_41088212
chr1	1.11E+08	111233234	+	1.692E-12	2.14893E-11	-0.28048	hypo	sig	chr1_111233234
chr9	21031810	21031810	+	1.693E-12	2.15069E-11	0.245628	hyper	sig	chr9_21031810
chr5	1.41E+08	140786683	+	1.695E-12	2.15232E-11	0.206474	hyper	sig	chr5_140786683
chr2	1.97E+08	197165230	+	1.702E-12	2.16121E-11	-0.26352	hypo	sig	chr2_197165230
chr10	1.04E+08	104335200	+	1.702E-12	2.16124E-11	-0.22014	hypo	sig	chr10_104335200
chr13	1.14E+08	114129087	+	1.704E-12	2.16374E-11	0.205334	hyper	sig	chr13_114129087
chr1	29257511	29257511	+	1.707E-12	2.1672E-11	-0.21496	hypo	sig	chr1_29257511
chr20	17225994	17225994	+	1.712E-12	2.17405E-11	0.232547	hyper	sig	chr20_17225994
chr15	83108094	83108094	+	1.713E-12	2.17433E-11	0.248721	hyper	sig	chr15_83108094
chr6	34137930	34137930	+	1.724E-12	2.18833E-11	-0.22008	hypo	sig	chr6_34137930
chr19	856107	856107	+	1.729E-12	2.19475E-11	-0.2035	hypo	sig	chr19_856107
chr11	65047770	65047770	+	1.733E-12	2.19948E-11	0.212884	hyper	sig	chr11_65047770
chr7	1.17E+08	117323425	+	1.735E-12	2.20143E-11	0.263109	hyper	sig	chr7_117323425
chr17	3960770	3960770	+	1.738E-12	2.20558E-11	-0.23223	hypo	sig	chr17_3960770
chr1	32754360	32754360	+	1.74E-12	2.20729E-11	0.200552	hyper	sig	chr1_32754360
chr11	1.29E+08	128824513	+	1.743E-12	2.2108E-11	0.257607	hyper	sig	chr11_128824513
chr10	1.2E+08	120458001	+	1.745E-12	2.21395E-11	0.260109	hyper	sig	chr10_120458001
chr15	29268711	29268711	+	1.745E-12	2.21415E-11	0.22381	hyper	sig	chr15_29268711
chr15	52798035	52798035	+	1.749E-12	2.21874E-11	0.237234	hyper	sig	chr15_52798035
chr19	1496543	1496543	+	1.752E-12	2.22235E-11	-0.22419	hypo	sig	chr19_1496543
chr14	37602571	37602571	+	1.752E-12	2.22257E-11	0.209953	hyper	sig	chr14_37602571
chr3	1.43E+08	143121465	+	1.752E-12	2.22303E-11	0.22712	hyper	sig	chr3_143121465
chr4	1.74E+08	173521389	+	1.753E-12	2.22397E-11	0.214674	hyper	sig	chr4_173521389
chr18	79415716	79415716	+	1.754E-12	2.22482E-11	-0.23208	hypo	sig	chr18_79415716
chr2	89611948	89611948	+	1.754E-12	2.22526E-11	0.208147	hyper	sig	chr2_89611948
chr5	1.8E+08	180041653	+	1.756E-12	2.22731E-11	-0.26884	hypo	sig	chr5_180041653
chr4	1.47E+08	147480947	+	1.758E-12	2.22928E-11	0.224817	hyper	sig	chr4_147480947
chr7	1.55E+08	155205771	+	1.762E-12	2.23407E-11	-0.21725	hypo	sig	chr7_155205771
chr6	34149484	34149484	+	1.764E-12	2.2366E-11	-0.21972	hypo	sig	chr6_34149484
chr3	1.47E+08	147398353	+	1.771E-12	2.24517E-11	0.209978	hyper	sig	chr3_147398353
chr17	79801961	79801961	+	1.773E-12	2.2474E-11	0.202092	hyper	sig	chr17_79801961
chr6	1.05E+08	104941567	+	1.773E-12	2.2484E-11	0.215737	hyper	sig	chr6_104941567
chr16	766593	766593	+	1.778E-12	2.25374E-11	-0.2017	hypo	sig	chr16_766593
chr19	50728436	50728436	+	1.781E-12	2.2584E-11	0.235944	hyper	sig	chr19_50728436
chr17	8347346	8347346	+	1.786E-12	2.2634E-11	0.267873	hyper	sig	chr17_8347346
chr12	75207605	75207605	+	1.786E-12	2.2641E-11	0.216135	hyper	sig	chr12_75207605
chr18	46335918	46335918	+	1.789E-12	2.26769E-11	-0.23417	hypo	sig	chr18_46335918
chr5	1.46E+08	146334319	+	1.789E-12	2.26802E-11	0.220019	hyper	sig	chr5_146334319
chr7	6575314	6575314	+	1.793E-12	2.27282E-11	-0.21519	hypo	sig	chr7_6575314
chr1	1.56E+08	156161448	+	1.795E-12	2.27539E-11	0.236248	hyper	sig	chr1_156161448
chr18	45775783	45775783	+	1.797E-12	2.27742E-11	0.207234	hyper	sig	chr18_45775783
chr12	6555430	6555430	+	1.802E-12	2.28322E-11	0.221621	hyper	sig	chr12_6555430
chr2	10042855	10042855	+	1.803E-12	2.28524E-11	0.201405	hyper	sig	chr2_10042855
chr8	1.32E+08	132477833	+	1.811E-12	2.29392E-11	-0.21886	hypo	sig	chr8_132477833
chr10	84244668	84244668	+	1.818E-12	2.30263E-11	-0.22667	hypo	sig	chr10_84244668
chr12	1.21E+08	121223944	+	1.821E-12	2.30679E-11	-0.23257	hypo	sig	chr12_121223944
chr19	42322415	42322415	+	1.821E-12	2.30685E-11	-0.28547	hypo	sig	chr19_42322415
chr1	2.03E+08	203027054	+	1.828E-12	2.31516E-11	0.219823	hyper	sig	chr1_203027054

chr8	1.04E+08	103500823	+	1.838E-12	2.3273E-11	0.209524	hyper	sig	chr8_103500823
chr4	107266	107266	+	1.844E-12	2.33488E-11	0.235027	hyper	sig	chr4_107266
chr17	815327	815327	+	1.847E-12	2.3391E-11	-0.20247	hypo	sig	chr17_815327
chr1	27011159	27011159	+	1.848E-12	2.33975E-11	-0.24409	hypo	sig	chr1_27011159
chr6	36598934	36598934	+	1.858E-12	2.35167E-11	-0.21887	hypo	sig	chr6_36598934
chr12	1.23E+08	122716335	+	1.863E-12	2.35856E-11	-0.23727	hypo	sig	chr12_122716335
chr10	1.01E+08	100520151	+	1.867E-12	2.36251E-11	0.204457	hyper	sig	chr10_100520151
chr3	1.3E+08	130010801	+	1.867E-12	2.36294E-11	-0.25139	hypo	sig	chr3_130010801
chr19	35959636	35959636	+	1.87E-12	2.36678E-11	0.223101	hyper	sig	chr19_35959636
chr7	4886199	4886199	+	1.875E-12	2.37296E-11	-0.32521	hypo	sig	chr7_4886199
chr19	45385607	45385607	+	1.878E-12	2.37657E-11	0.26594	hyper	sig	chr19_45385607
chr5	958138	958138	+	1.882E-12	2.38078E-11	-0.23175	hypo	sig	chr5_958138
chr21	37006275	37006275	+	1.883E-12	2.3829E-11	0.200031	hyper	sig	chr21_37006275
chr6	1.05E+08	104941588	+	1.883E-12	2.38304E-11	0.238274	hyper	sig	chr6_104941588
chr1	2.05E+08	204687622	+	1.896E-12	2.39796E-11	-0.20526	hypo	sig	chr1_204687622
chr13	1.12E+08	111509174	+	1.899E-12	2.40221E-11	-0.23397	hypo	sig	chr13_111509174
chr5	1.78E+08	177604233	+	1.913E-12	2.41964E-11	-0.24084	hypo	sig	chr5_177604233
chr13	52848156	52848156	+	1.914E-12	2.4211E-11	0.215389	hyper	sig	chr13_52848156
chr6	72182383	72182383	+	1.916E-12	2.42328E-11	0.28892	hyper	sig	chr6_72182383
chr6	1.5E+08	149746870	+	1.919E-12	2.42702E-11	-0.22011	hypo	sig	chr6_149746870
chr4	1.22E+08	121763736	+	1.92E-12	2.42838E-11	-0.20828	hypo	sig	chr4_121763736
chr1	2.43E+08	242524074	+	1.922E-12	2.42989E-11	0.204593	hyper	sig	chr1_242524074
chr16	85282368	85282368	+	1.923E-12	2.4318E-11	-0.21256	hypo	sig	chr16_85282368
chr11	1918463	1918463	+	1.924E-12	2.43261E-11	-0.21901	hypo	sig	chr11_1918463
chr15	37097416	37097416	+	1.924E-12	2.43285E-11	0.211486	hyper	sig	chr15_37097416
chr14	37602589	37602589	+	1.926E-12	2.43495E-11	0.244288	hyper	sig	chr14_37602589
chr16	66845873	66845873	+	1.928E-12	2.43716E-11	-0.23591	hypo	sig	chr16_66845873
chr20	62774193	62774193	+	1.932E-12	2.44256E-11	-0.24104	hypo	sig	chr20_62774193
chr1	1.5E+08	149789516	+	1.938E-12	2.45028E-11	-0.22397	hypo	sig	chr1_149789516
chr6	28635498	28635498	+	1.941E-12	2.45328E-11	0.246712	hyper	sig	chr6_28635498
chr19	42322445	42322445	+	1.941E-12	2.4537E-11	-0.37548	hypo	sig	chr19_42322445
chr3	51863298	51863298	+	1.947E-12	2.4613E-11	-0.2052	hypo	sig	chr3_51863298
chr19	37691999	37691999	+	1.95E-12	2.46474E-11	0.232293	hyper	sig	chr19_37691999
chr2	42492793	42492793	+	1.958E-12	2.47498E-11	0.216921	hyper	sig	chr2_42492793
chr10	7174122	7174122	+	1.962E-12	2.47937E-11	-0.25449	hypo	sig	chr10_7174122
chr16	66974462	66974462	+	1.962E-12	2.47971E-11	-0.22976	hypo	sig	chr16_66974462
chr5	1.56E+08	155728939	+	1.968E-12	2.48583E-11	0.216986	hyper	sig	chr5_155728939
chr7	8443170	8443170	+	1.97E-12	2.48858E-11	0.299215	hyper	sig	chr7_8443170
chr15	32344104	32344104	+	1.971E-12	2.48948E-11	-0.22237	hypo	sig	chr15_32344104
chr6	1.58E+08	158085838	+	1.971E-12	2.49008E-11	-0.20199	hypo	sig	chr6_158085838
chr20	17225895	17225895	+	1.978E-12	2.49844E-11	0.224882	hyper	sig	chr20_17225895
chr5	1.81E+08	180595909	+	1.979E-12	2.49916E-11	-0.22455	hypo	sig	chr5_180595909
chr13	26742989	26742989	+	1.986E-12	2.50773E-11	0.200709	hyper	sig	chr13_26742989
chr1	2.42E+08	242061429	+	1.992E-12	2.51556E-11	-0.27783	hypo	sig	chr1_242061429
chr9	1.37E+08	137321794	+	1.993E-12	2.51679E-11	0.231768	hyper	sig	chr9_137321794
chr15	33310961	33310961	+	1.996E-12	2.51971E-11	0.282486	hyper	sig	chr15_33310961
chr1	2.13E+08	212791096	+	1.998E-12	2.52295E-11	-0.22115	hypo	sig	chr1_212791096
chr10	75094332	75094332	+	2.002E-12	2.52703E-11	-0.2235	hypo	sig	chr10_75094332
chr7	1.55E+08	155374194	+	2.005E-12	2.53155E-11	0.228432	hyper	sig	chr7_155374194
chr5	72179535	72179535	+	2.02E-12	2.54899E-11	-0.20396	hypo	sig	chr5_72179535
chr12	66188957	66188957	+	2.02E-12	2.54958E-11	0.220275	hyper	sig	chr12_66188957
chr18	13826500	13826500	+	2.021E-12	2.55017E-11	-0.21054	hypo	sig	chr18_13826500
chr7	1.54E+08	153886526	+	2.021E-12	2.55059E-11	0.257804	hyper	sig	chr7_153886526
chr1	2.05E+08	205031827	+	2.021E-12	2.55087E-11	-0.22442	hypo	sig	chr1_205031827
chr7	4886182	4886182	+	2.022E-12	2.55237E-11	-0.33283	hypo	sig	chr7_4886182
chr15	52795161	52795161	+	2.026E-12	2.55697E-11	0.267688	hyper	sig	chr15_52795161

chr3	1.47E+08	147398226	+	2.03E-12	2.56164E-11	0.200424	hyper	sig	chr3_147398226
chr11	94740325	94740325	+	2.033E-12	2.565E-11	0.227564	hyper	sig	chr11_94740325
chr17	52160411	52160411	+	2.033E-12	2.56529E-11	0.217006	hyper	sig	chr17_52160411
chr22	19033002	19033002	+	2.034E-12	2.5658E-11	-0.22414	hypo	sig	chr22_19033002
chr8	54467585	54467585	+	2.034E-12	2.56629E-11	0.251989	hyper	sig	chr8_54467585
chr4	912289	912289	+	2.037E-12	2.57005E-11	-0.20689	hypo	sig	chr4_912289
chr10	3236195	3236195	+	2.039E-12	2.57137E-11	-0.20846	hypo	sig	chr10_3236195
chr19	53329185	53329185	+	2.039E-12	2.57137E-11	0.239846	hyper	sig	chr19_53329185
chr6	1.12E+08	112054130	+	2.043E-12	2.57729E-11	-0.21154	hypo	sig	chr6_112054130
chr4	41873488	41873488	+	2.046E-12	2.57983E-11	0.268462	hyper	sig	chr4_41873488
chr16	1066010	1066010	+	2.046E-12	2.58007E-11	0.212642	hyper	sig	chr16_1066010
chr1	23899200	23899200	+	2.051E-12	2.58684E-11	-0.24904	hypo	sig	chr1_23899200
chr2	1.13E+08	113291496	+	2.055E-12	2.5916E-11	0.222388	hyper	sig	chr2_113291496
chr14	37622279	37622279	+	2.058E-12	2.59449E-11	0.21841	hyper	sig	chr14_37622279
chr19	13014444	13014444	+	2.058E-12	2.59536E-11	0.207827	hyper	sig	chr19_13014444
chr7	1.51E+08	151055391	+	2.06E-12	2.59685E-11	-0.21287	hypo	sig	chr7_151055391
chr6	1.7E+08	170272265	+	2.063E-12	2.60123E-11	0.224569	hyper	sig	chr6_170272265
chr3	33219712	33219712	+	2.067E-12	2.60641E-11	-0.25579	hypo	sig	chr3_33219712
chr14	56799130	56799130	+	2.071E-12	2.61008E-11	0.214159	hyper	sig	chr14_56799130
chr3	62374643	62374643	+	2.082E-12	2.62463E-11	0.251624	hyper	sig	chr3_62374643
chr16	87885952	87885952	+	2.086E-12	2.62857E-11	-0.20367	hypo	sig	chr16_87885952
chr3	62371462	62371462	+	2.088E-12	2.63097E-11	0.254126	hyper	sig	chr3_62371462
chr11	2301434	2301434	+	2.088E-12	2.63178E-11	-0.20335	hypo	sig	chr11_2301434
chr12	6556083	6556083	+	2.09E-12	2.63426E-11	0.255872	hyper	sig	chr12_6556083
chr7	32071389	32071389	+	2.091E-12	2.6352E-11	0.21206	hyper	sig	chr7_32071389
chr3	1.43E+08	142964372	+	2.094E-12	2.63908E-11	0.241262	hyper	sig	chr3_142964372
chr19	50608420	50608420	+	2.096E-12	2.64086E-11	0.249292	hyper	sig	chr19_50608420
chr3	13204218	13204218	+	2.099E-12	2.64494E-11	0.245622	hyper	sig	chr3_13204218
chr4	41881182	41881182	+	2.099E-12	2.64509E-11	0.218857	hyper	sig	chr4_41881182
chr1	8333822	8333822	+	2.108E-12	2.65575E-11	-0.29061	hypo	sig	chr1_8333822
chr5	1.6E+08	159913423	+	2.109E-12	2.65696E-11	-0.22138	hypo	sig	chr5_159913423
chr6	16216913	16216913	+	2.117E-12	2.666E-11	0.248011	hyper	sig	chr6_16216913
chr11	1.26E+08	126440603	+	2.119E-12	2.6686E-11	-0.20518	hypo	sig	chr11_126440603
chr17	44657183	44657183	+	2.122E-12	2.67329E-11	0.218672	hyper	sig	chr17_44657183
chr18	48408130	48408130	+	2.123E-12	2.6738E-11	0.237601	hyper	sig	chr18_48408130
chr6	1.68E+08	168035698	+	2.135E-12	2.68807E-11	-0.21844	hypo	sig	chr6_168035698
chr14	99118503	99118503	+	2.139E-12	2.6938E-11	0.227244	hyper	sig	chr14_99118503
chr7	98616545	98616545	+	2.142E-12	2.69664E-11	0.243243	hyper	sig	chr7_98616545
chr8	42052914	42052914	+	2.146E-12	2.70163E-11	-0.21547	hypo	sig	chr8_42052914
chr1	2.21E+08	220891888	+	2.149E-12	2.70543E-11	0.235106	hyper	sig	chr1_220891888
chr7	97018618	97018618	+	2.152E-12	2.70954E-11	0.234374	hyper	sig	chr7_97018618
chr7	2460178	2460178	+	2.154E-12	2.71188E-11	-0.22823	hypo	sig	chr7_2460178
chr7	1.57E+08	157020413	+	2.165E-12	2.72446E-11	0.224196	hyper	sig	chr7_157020413
chr3	1.2E+08	120285446	+	2.166E-12	2.72633E-11	0.232131	hyper	sig	chr3_120285446
chr12	1.22E+08	122002756	+	2.17E-12	2.73081E-11	-0.22563	hypo	sig	chr12_122002756
chr17	803905	803905	+	2.176E-12	2.73832E-11	-0.20698	hypo	sig	chr17_803905
chr7	1.51E+08	151174926	+	2.178E-12	2.74078E-11	0.262159	hyper	sig	chr7_151174926
chr7	1.58E+08	158016246	+	2.179E-12	2.74155E-11	-0.21314	hypo	sig	chr7_158016246
chr17	48720318	48720318	+	2.18E-12	2.74358E-11	0.218724	hyper	sig	chr17_48720318
chr8	1.08E+08	108082308	+	2.183E-12	2.74636E-11	0.21083	hyper	sig	chr8_108082308
chr7	56495325	56495325	+	2.19E-12	2.75435E-11	-0.2041	hypo	sig	chr7_56495325
chr20	35967151	35967151	+	2.191E-12	2.75552E-11	-0.2101	hypo	sig	chr20_35967151
chr2	1654461	1654461	+	2.194E-12	2.76013E-11	-0.21919	hypo	sig	chr2_1654461
chr4	3446423	3446423	+	2.196E-12	2.76211E-11	-0.20666	hypo	sig	chr4_3446423
chr12	65278295	65278295	+	2.2E-12	2.7664E-11	0.240703	hyper	sig	chr12_65278295
chr13	36432015	36432015	+	2.204E-12	2.77215E-11	0.247669	hyper	sig	chr13_36432015

chr16	1346570	1346570	+	2.206E-12	2.77402E-11	-0.2232	hypo	sig	chr16_1346570
chr1	50425027	50425027	+	2.211E-12	2.78015E-11	0.211907	hyper	sig	chr1_50425027
chr2	1.15E+08	114662210	+	2.215E-12	2.78473E-11	0.330354	hyper	sig	chr2_114662210
chr5	64690366	64690366	+	2.218E-12	2.78902E-11	0.222912	hyper	sig	chr5_64690366
chr20	57112790	57112790	+	2.22E-12	2.79127E-11	-0.22393	hypo	sig	chr20_57112790
chr10	99326358	99326358	+	2.223E-12	2.79444E-11	-0.28743	hypo	sig	chr10_99326358
chr5	1.73E+08	173243827	+	2.228E-12	2.80076E-11	0.224007	hyper	sig	chr5_173243827
chr16	2472877	2472877	+	2.235E-12	2.80938E-11	-0.21922	hypo	sig	chr16_2472877
chr6	90363799	90363799	+	2.236E-12	2.81039E-11	-0.20594	hypo	sig	chr6_90363799
chr19	1883658	1883658	+	2.244E-12	2.82031E-11	-0.20112	hypo	sig	chr19_1883658
chr2	88451833	88451833	+	2.248E-12	2.82493E-11	0.241735	hyper	sig	chr2_88451833
chr12	54126605	54126605	+	2.25E-12	2.8274E-11	0.201208	hyper	sig	chr12_54126605
chr10	92572801	92572801	+	2.254E-12	2.83234E-11	-0.24389	hypo	sig	chr10_92572801
chr20	2691393	2691393	+	2.257E-12	2.83503E-11	-0.2423	hypo	sig	chr20_2691393
chr5	71446717	71446717	+	2.257E-12	2.83593E-11	-0.2473	hypo	sig	chr5_71446717
chr16	85816054	85816054	+	2.26E-12	2.83889E-11	-0.20019	hypo	sig	chr16_85816054
chr13	1.11E+08	110869673	+	2.261E-12	2.84044E-11	-0.2693	hypo	sig	chr13_110869673
chr19	39308386	39308386	+	2.262E-12	2.84121E-11	0.207019	hyper	sig	chr19_39308386
chr19	37691902	37691902	+	2.263E-12	2.84278E-11	0.248122	hyper	sig	chr19_37691902
chr2	62232133	62232133	+	2.272E-12	2.85326E-11	-0.22407	hypo	sig	chr2_62232133
chr19	53907950	53907950	+	2.273E-12	2.85474E-11	0.256337	hyper	sig	chr19_53907950
chr8	26190948	26190948	+	2.276E-12	2.85822E-11	-0.22355	hypo	sig	chr8_26190948
chr5	1.41E+08	141150185	+	2.277E-12	2.85996E-11	0.208325	hyper	sig	chr5_141150185
chr11	43582238	43582238	+	2.281E-12	2.86439E-11	0.211285	hyper	sig	chr11_43582238
chr9	1.14E+08	114394393	+	2.282E-12	2.86604E-11	0.225079	hyper	sig	chr9_114394393
chr6	1.51E+08	151350569	+	2.286E-12	2.87049E-11	-0.23277	hypo	sig	chr6_151350569
chr19	711030	711030	+	2.289E-12	2.87413E-11	-0.20585	hypo	sig	chr19_711030
chr15	41403223	41403223	+	2.29E-12	2.87522E-11	-0.28097	hypo	sig	chr15_41403223
chr5	1.46E+08	146379299	+	2.295E-12	2.88165E-11	0.202802	hyper	sig	chr5_146379299
chr20	45098699	45098699	+	2.298E-12	2.88556E-11	0.23003	hyper	sig	chr20_45098699
chr7	1.29E+08	129147690	+	2.3E-12	2.88749E-11	-0.23365	hypo	sig	chr7_129147690
chr11	1.02E+08	101582632	+	2.301E-12	2.8889E-11	0.286071	hyper	sig	chr11_101582632
chr10	1.34E+08	133529661	+	2.303E-12	2.89116E-11	0.204453	hyper	sig	chr10_133529661
chr19	48746867	48746867	+	2.305E-12	2.89353E-11	0.212258	hyper	sig	chr19_48746867
chr2	44932256	44932256	+	2.308E-12	2.89747E-11	0.215066	hyper	sig	chr2_44932256
chr2	10013650	10013650	+	2.319E-12	2.91082E-11	-0.22559	hypo	sig	chr2_10013650
chr19	45901441	45901441	+	2.32E-12	2.91252E-11	0.234166	hyper	sig	chr19_45901441
chr7	1.53E+08	152925019	+	2.321E-12	2.91279E-11	0.246947	hyper	sig	chr7_152925019
chr4	1.66E+08	165869938	+	2.33E-12	2.9239E-11	-0.23026	hypo	sig	chr4_165869938
chr19	48836140	48836140	+	2.334E-12	2.92853E-11	0.205524	hyper	sig	chr19_48836140
chr7	2932408	2932408	+	2.34E-12	2.93569E-11	-0.28955	hypo	sig	chr7_2932408
chr19	9363199	9363199	+	2.343E-12	2.93974E-11	0.214427	hyper	sig	chr19_9363199
chr14	34540628	34540628	+	2.344E-12	2.94041E-11	-0.24069	hypo	sig	chr14_34540628
chr19	53058341	53058341	+	2.345E-12	2.9421E-11	0.278241	hyper	sig	chr19_53058341
chr2	69387990	69387990	+	2.351E-12	2.94929E-11	-0.25018	hypo	sig	chr2_69387990
chr12	34403157	34403157	+	2.354E-12	2.95319E-11	-0.2143	hypo	sig	chr12_34403157
chr1	11653059	11653059	+	2.364E-12	2.96509E-11	-0.21151	hypo	sig	chr1_11653059
chr9	1.38E+08	137510124	+	2.369E-12	2.97102E-11	-0.23105	hypo	sig	chr9_137510124
chr15	89411940	89411940	+	2.382E-12	2.98659E-11	0.200796	hyper	sig	chr15_89411940
chr1	46491374	46491374	+	2.39E-12	2.99633E-11	0.227837	hyper	sig	chr1_46491374
chr6	1.69E+08	169173648	+	2.394E-12	3.00063E-11	-0.21525	hypo	sig	chr6_169173648
chr13	1.1E+08	110448360	+	2.402E-12	3.01039E-11	-0.22372	hypo	sig	chr13_110448360
chr15	24477753	24477753	+	2.404E-12	3.01265E-11	0.240183	hyper	sig	chr15_24477753
chr4	72038149	72038149	+	2.405E-12	3.01452E-11	-0.20619	hypo	sig	chr4_72038149
chr11	86673628	86673628	+	2.406E-12	3.01474E-11	-0.20661	hypo	sig	chr11_86673628
chr1	1014581	1014581	+	2.406E-12	3.01521E-11	-0.22246	hypo	sig	chr1_1014581

chr3	1.18E+08	117997274	+	2.407E-12	3.01656E-11	0.253139	hyper	sig	chr3_117997274
chr3	50671424	50671424	+	2.408E-12	3.01695E-11	-0.22206	hypo	sig	chr3_50671424
chr12	7872937	7872937	+	2.408E-12	3.01715E-11	0.205327	hyper	sig	chr12_7872937
chr20	33007309	33007309	+	2.409E-12	3.01812E-11	-0.23722	hypo	sig	chr20_33007309
chr19	4568976	4568976	+	2.409E-12	3.0185E-11	-0.25347	hypo	sig	chr19_4568976
chr8	74985141	74985141	+	2.413E-12	3.02317E-11	0.244611	hyper	sig	chr8_74985141
chr8	17413878	17413878	+	2.415E-12	3.0258E-11	0.211124	hyper	sig	chr8_17413878
chr21	33024401	33024401	+	2.417E-12	3.02781E-11	0.219645	hyper	sig	chr21_33024401
chr7	1.51E+08	151012364	+	2.427E-12	3.03956E-11	-0.21436	hypo	sig	chr7_151012364
chr12	1.32E+08	132191217	+	2.429E-12	3.04199E-11	-0.24372	hypo	sig	chr12_132191217
chr6	1.69E+08	169159917	+	2.43E-12	3.04368E-11	-0.22133	hypo	sig	chr6_169159917
chr1	26409383	26409383	+	2.432E-12	3.04599E-11	0.290137	hyper	sig	chr1_26409383
chr12	57727699	57727699	+	2.435E-12	3.04895E-11	0.274938	hyper	sig	chr12_57727699
chr8	78762426	78762426	+	2.436E-12	3.05116E-11	0.215796	hyper	sig	chr8_78762426
chr6	52360860	52360860	+	2.437E-12	3.05142E-11	-0.21916	hypo	sig	chr6_52360860
chr5	1.46E+08	146337682	+	2.44E-12	3.05603E-11	0.256244	hyper	sig	chr5_146337682
chr12	53976524	53976524	+	2.442E-12	3.05755E-11	0.206161	hyper	sig	chr12_53976524
chr5	2755060	2755060	+	2.444E-12	3.06062E-11	0.214586	hyper	sig	chr5_2755060
chr20	58841783	58841783	+	2.445E-12	3.06129E-11	0.203361	hyper	sig	chr20_58841783
chr19	42320054	42320054	+	2.447E-12	3.06368E-11	-0.27272	hypo	sig	chr19_42320054
chr13	1.12E+08	111918136	+	2.45E-12	3.06719E-11	-0.21288	hypo	sig	chr13_111918136
chr20	62329071	62329071	+	2.452E-12	3.07017E-11	-0.23798	hypo	sig	chr20_62329071
chr12	75208155	75208155	+	2.457E-12	3.0758E-11	0.269254	hyper	sig	chr12_75208155
chr12	1.31E+08	130773769	+	2.457E-12	3.07635E-11	-0.20838	hypo	sig	chr12_130773769
chr5	7851297	7851297	+	2.459E-12	3.07855E-11	0.216212	hyper	sig	chr5_7851297
chr10	1.11E+08	110644947	+	2.46E-12	3.0798E-11	0.222131	hyper	sig	chr10_110644947
chr8	19602155	19602155	+	2.461E-12	3.08082E-11	0.203012	hyper	sig	chr8_19602155
chr5	1.69E+08	169301230	+	2.465E-12	3.08494E-11	0.257717	hyper	sig	chr5_169301230
chr10	1.32E+08	131751721	+	2.47E-12	3.09062E-11	-0.26401	hypo	sig	chr10_131751721
chr7	32071376	32071376	+	2.473E-12	3.09418E-11	0.234432	hyper	sig	chr7_32071376
chr7	1.59E+08	158993000	+	2.474E-12	3.09569E-11	0.20184	hyper	sig	chr7_158993000
chr10	1.33E+08	132877022	+	2.481E-12	3.10427E-11	-0.22055	hypo	sig	chr10_132877022
chr16	30445058	30445058	+	2.488E-12	3.11267E-11	-0.20043	hypo	sig	chr16_30445058
chr12	48828840	48828840	+	2.49E-12	3.11556E-11	-0.21277	hypo	sig	chr12_48828840
chr17	41635942	41635942	+	2.492E-12	3.11829E-11	-0.20998	hypo	sig	chr17_41635942
chr11	18209256	18209256	+	2.495E-12	3.12172E-11	0.235458	hyper	sig	chr11_18209256
chr18	63476917	63476917	+	2.496E-12	3.12222E-11	-0.20349	hypo	sig	chr18_63476917
chr2	11653197	11653197	+	2.498E-12	3.12475E-11	-0.25203	hypo	sig	chr2_11653197
chr13	50843917	50843917	+	2.498E-12	3.125E-11	0.204096	hyper	sig	chr13_50843917
chr7	35454983	35454983	+	2.499E-12	3.1255E-11	0.273452	hyper	sig	chr7_35454983
chr1	47443846	47443846	+	2.504E-12	3.13143E-11	0.320541	hyper	sig	chr1_47443846
chr12	7916121	7916121	+	2.521E-12	3.15276E-11	0.238736	hyper	sig	chr12_7916121
chr19	37692016	37692016	+	2.524E-12	3.15581E-11	0.202837	hyper	sig	chr19_37692016
chr5	1193431	1193431	+	2.529E-12	3.16161E-11	-0.20505	hypo	sig	chr5_1193431
chr16	3183985	3183985	+	2.531E-12	3.1641E-11	0.201505	hyper	sig	chr16_3183985
chr2	96527429	96527429	+	2.536E-12	3.1704E-11	0.201074	hyper	sig	chr2_96527429
chr11	31818180	31818180	+	2.54E-12	3.17499E-11	0.215807	hyper	sig	chr11_31818180
chr15	95327263	95327263	+	2.54E-12	3.17512E-11	0.276844	hyper	sig	chr15_95327263
chr19	58440741	58440741	+	2.542E-12	3.17714E-11	0.203732	hyper	sig	chr19_58440741
chr15	85413777	85413777	+	2.542E-12	3.17799E-11	-0.23971	hypo	sig	chr15_85413777
chr1	2.1E+08	209676100	+	2.547E-12	3.18367E-11	0.244206	hyper	sig	chr1_209676100
chr2	10010754	10010754	+	2.547E-12	3.18382E-11	-0.22946	hypo	sig	chr2_10010754
chr3	1.7E+08	169666246	+	2.548E-12	3.18512E-11	0.284331	hyper	sig	chr3_169666246
chr9	1.34E+08	133911366	+	2.553E-12	3.19111E-11	0.224331	hyper	sig	chr9_133911366
chr16	1195599	1195599	+	2.553E-12	3.19131E-11	-0.25103	hypo	sig	chr16_1195599
chr1	8328498	8328498	+	2.554E-12	3.19166E-11	-0.20046	hypo	sig	chr1_8328498

chr6	1.49E+08	148748775	+	2.559E-12	3.1975E-11	0.219624	hyper	sig	chr6_148748775
chr20	56005167	56005167	+	2.564E-12	3.20354E-11	0.232904	hyper	sig	chr20_56005167
chr8	46244803	46244803	+	2.564E-12	3.20404E-11	-0.23037	hypo	sig	chr8_46244803
chr7	6480373	6480373	+	2.573E-12	3.21462E-11	-0.21515	hypo	sig	chr7_6480373
chr1	2.36E+08	235999041	+	2.574E-12	3.21554E-11	-0.27201	hypo	sig	chr1_235999041
chr19	28727194	28727194	+	2.575E-12	3.21674E-11	0.230012	hyper	sig	chr19_28727194
chr1	1.76E+08	175599315	+	2.579E-12	3.22129E-11	0.229501	hyper	sig	chr1_175599315
chr11	64972160	64972160	+	2.59E-12	3.23526E-11	0.315633	hyper	sig	chr11_64972160
chr1	92441884	92441884	+	2.591E-12	3.23614E-11	-0.23182	hypo	sig	chr1_92441884
chr10	1.1E+08	110494261	+	2.596E-12	3.24186E-11	-0.28522	hypo	sig	chr10_110494261
chr13	23451422	23451422	+	2.596E-12	3.24207E-11	-0.25493	hypo	sig	chr13_23451422
chr2	47690702	47690702	+	2.596E-12	3.24219E-11	-0.2376	hypo	sig	chr2_47690702
chr10	1.32E+08	131980916	+	2.601E-12	3.24805E-11	0.201175	hyper	sig	chr10_131980916
chr20	58841534	58841534	+	2.602E-12	3.24879E-11	0.214718	hyper	sig	chr20_58841534
chr1	2.34E+08	233905785	+	2.609E-12	3.25733E-11	0.217098	hyper	sig	chr1_233905785
chr11	31796907	31796907	+	2.611E-12	3.26004E-11	0.24579	hyper	sig	chr11_31796907
chr5	5883841	5883841	+	2.613E-12	3.26292E-11	-0.28094	hypo	sig	chr5_5883841
chr3	1.7E+08	169666592	+	2.616E-12	3.26646E-11	0.22418	hyper	sig	chr3_169666592
chr16	1341995	1341995	+	2.622E-12	3.27316E-11	-0.21597	hypo	sig	chr16_1341995
chr9	93960827	93960827	+	2.627E-12	3.27856E-11	0.210162	hyper	sig	chr9_93960827
chr2	1.3E+08	129930959	+	2.655E-12	3.31264E-11	-0.24028	hypo	sig	chr2_129930959
chr7	1.51E+08	151012375	+	2.657E-12	3.31532E-11	-0.2006	hypo	sig	chr7_151012375
chr21	26967682	26967682	+	2.66E-12	3.31861E-11	0.213291	hyper	sig	chr21_26967682
chr19	9498476	9498476	+	2.662E-12	3.32192E-11	0.240897	hyper	sig	chr19_9498476
chr19	39515552	39515552	+	2.665E-12	3.3245E-11	0.224399	hyper	sig	chr19_39515552
chr3	1.35E+08	134793735	+	2.674E-12	3.33531E-11	-0.24665	hypo	sig	chr3_134793735
chr10	1.34E+08	133622972	+	2.678E-12	3.34071E-11	0.212644	hyper	sig	chr10_133622972
chr7	5608603	5608603	+	2.682E-12	3.34579E-11	-0.21344	hypo	sig	chr7_5608603
chr8	1.31E+08	131038982	+	2.684E-12	3.34788E-11	-0.21946	hypo	sig	chr8_131038982
chr22	17842782	17842782	+	2.687E-12	3.35115E-11	-0.20683	hypo	sig	chr22_17842782
chr2	73203189	73203189	+	2.69E-12	3.3546E-11	0.224115	hyper	sig	chr2_73203189
chr7	1.57E+08	157302476	+	2.691E-12	3.3563E-11	-0.24137	hypo	sig	chr7_157302476
chr11	15114571	15114571	+	2.7E-12	3.36727E-11	0.209153	hyper	sig	chr11_15114571
chr16	84025424	84025424	+	2.705E-12	3.37244E-11	-0.20067	hypo	sig	chr16_84025424
chr17	50585373	50585373	+	2.705E-12	3.37244E-11	-0.2145	hypo	sig	chr17_50585373
chr20	51026736	51026736	+	2.71E-12	3.37831E-11	-0.20674	hypo	sig	chr20_51026736
chr12	1.3E+08	130339373	+	2.723E-12	3.39459E-11	0.222798	hyper	sig	chr12_130339373
chr19	8210149	8210149	+	2.724E-12	3.39532E-11	0.260816	hyper	sig	chr19_8210149
chr7	1.51E+08	151302475	+	2.726E-12	3.3983E-11	-0.22135	hypo	sig	chr7_151302475
chr3	51670315	51670315	+	2.73E-12	3.40258E-11	-0.23222	hypo	sig	chr3_51670315
chr9	1.36E+08	136180432	+	2.733E-12	3.40647E-11	-0.22528	hypo	sig	chr9_136180432
chr15	96323966	96323966	+	2.734E-12	3.40699E-11	-0.2267	hypo	sig	chr15_96323966
chr16	51113947	51113947	+	2.743E-12	3.41827E-11	0.235647	hyper	sig	chr16_51113947
chr7	63902655	63902655	+	2.745E-12	3.42062E-11	-0.22682	hypo	sig	chr7_63902655
chr10	4822444	4822444	+	2.745E-12	3.42087E-11	-0.24742	hypo	sig	chr10_4822444
chr1	35577751	35577751	+	2.755E-12	3.43322E-11	0.212285	hyper	sig	chr1_35577751
chr2	2.38E+08	238151008	+	2.759E-12	3.4375E-11	-0.23108	hypo	sig	chr2_238151008
chr16	1066015	1066015	+	2.761E-12	3.44006E-11	0.212579	hyper	sig	chr16_1066015
chr6	28443253	28443253	+	2.766E-12	3.44556E-11	0.235912	hyper	sig	chr6_28443253
chr20	63775170	63775170	+	2.767E-12	3.44681E-11	0.23584	hyper	sig	chr20_63775170
chr9	69321775	69321775	+	2.768E-12	3.44846E-11	-0.27484	hypo	sig	chr9_69321775
chr12	1.27E+08	127446756	+	2.776E-12	3.45678E-11	-0.20906	hypo	sig	chr12_127446756
chr17	47870769	47870769	+	2.778E-12	3.45919E-11	-0.20622	hypo	sig	chr17_47870769
chr12	15221071	15221071	+	2.788E-12	3.47174E-11	0.209511	hyper	sig	chr12_15221071
chr15	60399396	60399396	+	2.79E-12	3.47371E-11	-0.22142	hypo	sig	chr15_60399396
chr14	1.02E+08	102088433	+	2.797E-12	3.48239E-11	-0.2158	hypo	sig	chr14_102088433

chr14	28785844	28785844	+	2.814E-12	3.50252E-11	0.223884	hyper	sig	chr14_28785844
chr12	1.13E+08	113479729	+	2.817E-12	3.50685E-11	0.211042	hyper	sig	chr12_113479729
chr12	5430950	5430950	+	2.825E-12	3.51546E-11	0.209196	hyper	sig	chr12_5430950
chr8	48923432	48923432	+	2.825E-12	3.51546E-11	-0.22596	hypo	sig	chr8_48923432
chr1	2.23E+08	222619248	+	2.828E-12	3.51963E-11	-0.2014	hypo	sig	chr1_222619248
chr4	574512	574512	+	2.828E-12	3.51968E-11	0.204616	hyper	sig	chr4_574512
chr7	1.34E+08	134458244	+	2.829E-12	3.52079E-11	0.240959	hyper	sig	chr7_134458244
chr8	48923444	48923444	+	2.83E-12	3.52228E-11	-0.22507	hypo	sig	chr8_48923444
chr8	1.08E+08	108082301	+	2.833E-12	3.52513E-11	0.21814	hyper	sig	chr8_108082301
chr6	1.06E+08	105981267	+	2.836E-12	3.52865E-11	0.208635	hyper	sig	chr6_105981267
chr1	2.1E+08	209937851	+	2.84E-12	3.53399E-11	0.212168	hyper	sig	chr1_209937851
chr19	37691930	37691930	+	2.846E-12	3.5407E-11	0.27086	hyper	sig	chr19_37691930
chr17	8397800	8397800	+	2.847E-12	3.5423E-11	-0.20494	hypo	sig	chr17_8397800
chr8	1.43E+08	143183920	+	2.848E-12	3.5432E-11	-0.20894	hypo	sig	chr8_143183920
chr3	75641256	75641256	+	2.849E-12	3.54454E-11	0.216529	hyper	sig	chr3_75641256
chr9	14993652	14993652	+	2.851E-12	3.54645E-11	0.251305	hyper	sig	chr9_14993652
chr2	63806663	63806663	+	2.859E-12	3.55609E-11	-0.25403	hypo	sig	chr2_63806663
chr2	1.49E+08	148553342	+	2.871E-12	3.57016E-11	-0.34549	hypo	sig	chr2_148553342
chr1	2789342	2789342	+	2.884E-12	3.58579E-11	0.219336	hyper	sig	chr1_2789342
chr19	53942710	53942710	+	2.888E-12	3.59101E-11	0.33777	hyper	sig	chr19_53942710
chr2	58428976	58428976	+	2.89E-12	3.59248E-11	0.220538	hyper	sig	chr2_58428976
chr13	52335704	52335704	+	2.893E-12	3.5961E-11	-0.22951	hypo	sig	chr13_52335704
chr21	44558864	44558864	+	2.895E-12	3.59938E-11	-0.26912	hypo	sig	chr21_44558864
chr7	1.41E+08	140527446	+	2.901E-12	3.60587E-11	-0.21556	hypo	sig	chr7_140527446
chr12	1.14E+08	114440249	+	2.901E-12	3.60607E-11	0.292942	hyper	sig	chr12_114440249
chr17	76538465	76538465	+	2.901E-12	3.60661E-11	0.206236	hyper	sig	chr17_76538465
chr7	1.51E+08	151448183	+	2.905E-12	3.6103E-11	0.209757	hyper	sig	chr7_151448183
chr5	493151	493151	+	2.905E-12	3.61105E-11	-0.20892	hypo	sig	chr5_493151
chr1	33307357	33307357	+	2.906E-12	3.61177E-11	0.251454	hyper	sig	chr1_33307357
chr20	46058365	46058365	+	2.915E-12	3.62215E-11	0.251106	hyper	sig	chr20_46058365
chr3	1.54E+08	154428035	+	2.921E-12	3.63008E-11	0.203435	hyper	sig	chr3_154428035
chr19	13014356	13014356	+	2.926E-12	3.63596E-11	0.270363	hyper	sig	chr19_13014356
chr1	16982207	16982207	+	2.931E-12	3.6421E-11	-0.20281	hypo	sig	chr1_16982207
chr5	42944109	42944109	+	2.938E-12	3.64978E-11	0.277174	hyper	sig	chr5_42944109
chr2	2.02E+08	201619222	+	2.945E-12	3.65886E-11	0.217796	hyper	sig	chr2_201619222
chr6	30127918	30127918	+	2.949E-12	3.66287E-11	0.210637	hyper	sig	chr6_30127918
chr20	21106122	21106122	+	2.951E-12	3.66523E-11	0.217788	hyper	sig	chr20_21106122
chr1	4712759	4712759	+	2.955E-12	3.67018E-11	-0.2127	hypo	sig	chr1_4712759
chr18	59305817	59305817	+	2.961E-12	3.67725E-11	-0.27197	hypo	sig	chr18_59305817
chr12	1.21E+08	121223980	+	2.962E-12	3.67877E-11	-0.22264	hypo	sig	chr12_121223980
chr2	1.76E+08	176164982	+	2.965E-12	3.68163E-11	0.200136	hyper	sig	chr2_176164982
chr3	1.12E+08	112185977	+	2.966E-12	3.68356E-11	0.219333	hyper	sig	chr3_112185977
chr16	3236036	3236036	+	2.97E-12	3.68861E-11	-0.25122	hypo	sig	chr16_3236036
chr8	90984834	90984834	+	2.975E-12	3.69392E-11	0.209322	hyper	sig	chr8_90984834
chr1	1.62E+08	162021822	+	2.98E-12	3.69979E-11	-0.20769	hypo	sig	chr1_162021822
chr14	92937939	92937939	+	2.981E-12	3.7011E-11	-0.22959	hypo	sig	chr14_92937939
chr20	51026681	51026681	+	2.981E-12	3.7011E-11	-0.24035	hypo	sig	chr20_51026681
chr1	983316	983316	+	2.984E-12	3.70532E-11	-0.24416	hypo	sig	chr1_983316
chr10	87504132	87504132	+	2.986E-12	3.7069E-11	-0.20071	hypo	sig	chr10_87504132
chr11	26994350	26994350	+	2.988E-12	3.70948E-11	0.223607	hyper	sig	chr11_26994350
chr12	4810482	4810482	+	2.991E-12	3.71292E-11	0.237724	hyper	sig	chr12_4810482
chr15	82710159	82710159	+	3.003E-12	3.72778E-11	0.2299	hyper	sig	chr15_82710159
chr4	7415686	7415686	+	3.007E-12	3.73199E-11	-0.21849	hypo	sig	chr4_7415686
chr17	22555919	22555919	+	3.009E-12	3.73472E-11	-0.20488	hypo	sig	chr17_22555919
chr12	1834723	1834723	+	3.01E-12	3.73641E-11	-0.20266	hypo	sig	chr12_1834723
chr3	1.31E+08	130517688	+	3.024E-12	3.75236E-11	0.238202	hyper	sig	chr3_130517688

chr20	16574519	16574519	+	3.024E-12	3.75259E-11	-0.23421	hypo	sig	chr20_16574519
chr17	78231219	78231219	+	3.027E-12	3.75656E-11	-0.20478	hypo	sig	chr17_78231219
chr15	74132822	74132822	+	3.033E-12	3.76326E-11	0.247427	hyper	sig	chr15_74132822
chr2	2.27E+08	227167399	+	3.036E-12	3.76749E-11	-0.25389	hypo	sig	chr2_227167399
chr5	77644557	77644557	+	3.039E-12	3.771E-11	0.28648	hyper	sig	chr5_77644557
chr4	5897139	5897139	+	3.061E-12	3.79636E-11	-0.30189	hypo	sig	chr4_5897139
chr8	1.43E+08	143155729	+	3.061E-12	3.79658E-11	-0.20078	hypo	sig	chr8_143155729
chr11	82732400	82732400	+	3.067E-12	3.80407E-11	0.221809	hyper	sig	chr11_82732400
chr4	1602846	1602846	+	3.071E-12	3.80859E-11	-0.20752	hypo	sig	chr4_1602846
chr12	4909172	4909172	+	3.072E-12	3.80903E-11	0.200563	hyper	sig	chr12_4909172
chr7	1.12E+08	112144423	+	3.073E-12	3.81073E-11	-0.23834	hypo	sig	chr7_112144423
chr19	45499256	45499256	+	3.093E-12	3.83475E-11	0.202443	hyper	sig	chr19_45499256
chr8	67952288	67952288	+	3.099E-12	3.84206E-11	0.244914	hyper	sig	chr8_67952288
chr3	1.72E+08	172447992	+	3.101E-12	3.84367E-11	0.261872	hyper	sig	chr3_172447992
chr5	1.71E+08	171307890	+	3.116E-12	3.8622E-11	0.22985	hyper	sig	chr5_171307890
chr3	26624336	26624336	+	3.12E-12	3.86673E-11	0.21373	hyper	sig	chr3_26624336
chr19	40567679	40567679	+	3.12E-12	3.86688E-11	0.224539	hyper	sig	chr19_40567679
chr8	1.3E+08	130446466	+	3.123E-12	3.87005E-11	-0.3028	hypo	sig	chr8_130446466
chr11	14905498	14905498	+	3.133E-12	3.88191E-11	0.200745	hyper	sig	chr11_14905498
chr11	26995087	26995087	+	3.138E-12	3.88785E-11	-0.22851	hypo	sig	chr11_26995087
chr10	1.01E+08	100824532	+	3.141E-12	3.89241E-11	-0.20419	hypo	sig	chr10_100824532
chr10	90857260	90857260	+	3.146E-12	3.89755E-11	0.244729	hyper	sig	chr10_90857260
chr16	229930	229930	+	3.147E-12	3.89839E-11	-0.25675	hypo	sig	chr16_229930
chr22	24188776	24188776	+	3.149E-12	3.90112E-11	-0.21555	hypo	sig	chr22_24188776
chr9	41124471	41124471	+	3.171E-12	3.9271E-11	0.285903	hyper	sig	chr9_41124471
chr17	77373814	77373814	+	3.173E-12	3.9296E-11	0.246058	hyper	sig	chr17_77373814
chr8	11720259	11720259	+	3.178E-12	3.93455E-11	0.223096	hyper	sig	chr8_11720259
chr7	38976328	38976328	+	3.183E-12	3.94141E-11	0.210876	hyper	sig	chr7_38976328
chr14	60511399	60511399	+	3.184E-12	3.94229E-11	0.218905	hyper	sig	chr14_60511399
chr15	68575272	68575272	+	3.185E-12	3.94265E-11	-0.21357	hypo	sig	chr15_68575272
chr20	63493594	63493594	+	3.191E-12	3.95014E-11	-0.21081	hypo	sig	chr20_63493594
chr3	1.42E+08	141658263	+	3.192E-12	3.95127E-11	-0.20579	hypo	sig	chr3_141658263
chr3	1.86E+08	186418714	+	3.196E-12	3.95617E-11	-0.2134	hypo	sig	chr3_186418714
chr2	25882661	25882661	+	3.206E-12	3.96862E-11	-0.27727	hypo	sig	chr2_25882661
chr10	84237408	84237408	+	3.207E-12	3.96935E-11	0.200778	hyper	sig	chr10_84237408
chr9	1.3E+08	130276729	+	3.208E-12	3.97094E-11	-0.20308	hypo	sig	chr9_130276729
chr8	41700022	41700022	+	3.209E-12	3.97172E-11	-0.20083	hypo	sig	chr8_41700022
chr6	36024908	36024908	+	3.212E-12	3.97465E-11	-0.20164	hypo	sig	chr6_36024908
chr7	30678402	30678402	+	3.219E-12	3.98283E-11	-0.20881	hypo	sig	chr7_30678402
chr13	35478691	35478691	+	3.22E-12	3.98443E-11	0.254763	hyper	sig	chr13_35478691
chr20	63177400	63177400	+	3.224E-12	3.98922E-11	0.203368	hyper	sig	chr20_63177400
chr19	39515974	39515974	+	3.228E-12	3.99355E-11	0.229651	hyper	sig	chr19_39515974
chr16	7304359	7304359	+	3.24E-12	4.00834E-11	0.207074	hyper	sig	chr16_7304359
chr7	1E+08	100169020	+	3.245E-12	4.01378E-11	-0.25487	hypo	sig	chr7_100169020
chr4	11428049	11428049	+	3.247E-12	4.01616E-11	0.301576	hyper	sig	chr4_11428049
chr1	63316819	63316819	+	3.247E-12	4.01634E-11	0.230173	hyper	sig	chr1_63316819
chr12	1.23E+08	123094793	+	3.248E-12	4.01734E-11	-0.2045	hypo	sig	chr12_123094793
chr12	63150076	63150076	+	3.255E-12	4.02532E-11	0.206121	hyper	sig	chr12_63150076
chr9	92735740	92735740	+	3.265E-12	4.03735E-11	-0.2195	hypo	sig	chr9_92735740
chr11	1.23E+08	122980044	+	3.265E-12	4.03776E-11	0.246827	hyper	sig	chr11_122980044
chr16	86513790	86513790	+	3.274E-12	4.04826E-11	0.23626	hyper	sig	chr16_86513790
chr7	97951365	97951365	+	3.282E-12	4.05786E-11	-0.21431	hypo	sig	chr7_97951365
chr2	70704125	70704125	+	3.287E-12	4.06304E-11	-0.22997	hypo	sig	chr2_70704125
chr19	45591435	45591435	+	3.288E-12	4.0644E-11	-0.22518	hypo	sig	chr19_45591435
chr4	93834600	93834600	+	3.288E-12	4.06449E-11	0.25	hyper	sig	chr4_93834600
chr5	1.41E+08	141492023	+	3.296E-12	4.07425E-11	0.209268	hyper	sig	chr5_141492023

chr6	2857700	2857700	+	3.3E-12	4.07872E-11	-0.26472	hypo	sig	chr6_2857700
chr15	45376812	45376812	+	3.302E-12	4.08098E-11	-0.21853	hypo	sig	chr15_45376812
chr13	27922980	27922980	+	3.308E-12	4.08854E-11	0.283953	hyper	sig	chr13_27922980
chr20	21519652	21519652	+	3.308E-12	4.08876E-11	0.201715	hyper	sig	chr20_21519652
chr12	75208164	75208164	+	3.311E-12	4.09227E-11	0.272494	hyper	sig	chr12_75208164
chr5	1.78E+08	177604247	+	3.314E-12	4.09496E-11	-0.23479	hypo	sig	chr5_177604247
chr17	79711826	79711826	+	3.314E-12	4.09543E-11	-0.24235	hypo	sig	chr17_79711826
chr7	1E+08	100122300	+	3.316E-12	4.09739E-11	-0.2416	hypo	sig	chr7_100122300
chr3	1.38E+08	138097742	+	3.316E-12	4.09752E-11	-0.20246	hypo	sig	chr3_138097742
chr20	29326290	29326290	+	3.319E-12	4.10093E-11	-0.25584	hypo	sig	chr20_29326290
chr17	82321003	82321003	+	3.319E-12	4.10103E-11	-0.20572	hypo	sig	chr17_82321003
chr3	75604439	75604439	+	3.319E-12	4.10103E-11	-0.30902	hypo	sig	chr3_75604439
chr8	33718931	33718931	+	3.332E-12	4.11575E-11	-0.24056	hypo	sig	chr8_33718931
chr7	43113568	43113568	+	3.348E-12	4.13538E-11	0.225533	hyper	sig	chr7_43113568
chr11	1.23E+08	123304984	+	3.35E-12	4.13723E-11	-0.21612	hypo	sig	chr11_123304984
chr2	2.18E+08	218386998	+	3.353E-12	4.14045E-11	-0.28983	hypo	sig	chr2_218386998
chr5	77644561	77644561	+	3.358E-12	4.14721E-11	0.281093	hyper	sig	chr5_77644561
chr4	1.44E+08	143912043	+	3.364E-12	4.15329E-11	0.22657	hyper	sig	chr4_143912043
chr1	20552251	20552251	+	3.364E-12	4.1539E-11	0.240103	hyper	sig	chr1_20552251
chr5	1.41E+08	141422001	+	3.374E-12	4.16587E-11	0.221062	hyper	sig	chr5_141422001
chr15	69032826	69032826	+	3.383E-12	4.17563E-11	-0.24265	hypo	sig	chr15_69032826
chr13	1.12E+08	112013816	+	3.388E-12	4.18169E-11	-0.2006	hypo	sig	chr13_112013816
chr7	35254907	35254907	+	3.393E-12	4.18739E-11	0.234992	hyper	sig	chr7_35254907
chr15	79433268	79433268	+	3.403E-12	4.19923E-11	0.214567	hyper	sig	chr15_79433268
chr19	46080993	46080993	+	3.403E-12	4.19957E-11	-0.20394	hypo	sig	chr19_46080993
chr20	46152200	46152200	+	3.405E-12	4.20261E-11	-0.25049	hypo	sig	chr20_46152200
chr16	87067288	87067288	+	3.413E-12	4.21104E-11	-0.20215	hypo	sig	chr16_87067288
chr12	1.04E+08	104142615	+	3.414E-12	4.21208E-11	-0.25264	hypo	sig	chr12_104142615
chr11	60951172	60951172	+	3.419E-12	4.21812E-11	0.222444	hyper	sig	chr11_60951172
chr5	2757734	2757734	+	3.427E-12	4.22823E-11	0.204024	hyper	sig	chr5_2757734
chr15	96367916	96367916	+	3.431E-12	4.23287E-11	0.255725	hyper	sig	chr15_96367916
chr7	1.28E+08	127589198	+	3.44E-12	4.24416E-11	0.2642	hyper	sig	chr7_127589198
chr19	56765338	56765338	+	3.441E-12	4.24442E-11	0.237759	hyper	sig	chr19_56765338
chr2	2.19E+08	219332854	+	3.449E-12	4.25384E-11	0.228584	hyper	sig	chr2_219332854
chr16	31569613	31569613	+	3.456E-12	4.26293E-11	0.246075	hyper	sig	chr16_31569613
chr19	34905261	34905261	+	3.462E-12	4.26984E-11	0.279513	hyper	sig	chr19_34905261
chr6	77466905	77466905	+	3.466E-12	4.27465E-11	0.22845	hyper	sig	chr6_77466905
chr9	1.36E+08	135521077	+	3.468E-12	4.2775E-11	-0.24094	hypo	sig	chr9_135521077
chr6	29975692	29975692	+	3.472E-12	4.28158E-11	0.23302	hyper	sig	chr6_29975692
chr7	97013248	97013248	+	3.478E-12	4.28914E-11	0.237053	hyper	sig	chr7_97013248
chr17	48725065	48725065	+	3.484E-12	4.29585E-11	0.221315	hyper	sig	chr17_48725065
chr15	26298753	26298753	+	3.488E-12	4.30044E-11	-0.25139	hypo	sig	chr15_26298753
chr15	96367943	96367943	+	3.489E-12	4.30121E-11	0.229297	hyper	sig	chr15_96367943
chr19	53978271	53978271	+	3.49E-12	4.30353E-11	0.315687	hyper	sig	chr19_53978271
chr17	50781576	50781576	+	3.493E-12	4.3063E-11	0.223562	hyper	sig	chr17_50781576
chr11	1.23E+08	123371749	+	3.502E-12	4.31651E-11	-0.23649	hypo	sig	chr11_123371749
chr1	48238053	48238053	+	3.506E-12	4.32147E-11	-0.22099	hypo	sig	chr1_48238053
chr20	30316186	30316186	+	3.514E-12	4.33001E-11	0.2208	hyper	sig	chr20_30316186
chr8	74985143	74985143	+	3.514E-12	4.33037E-11	0.239629	hyper	sig	chr8_74985143
chr4	1.37E+08	136810906	+	3.514E-12	4.33078E-11	-0.23905	hypo	sig	chr4_136810906
chr14	92937927	92937927	+	3.517E-12	4.33346E-11	-0.20278	hypo	sig	chr14_92937927
chr19	13014162	13014162	+	3.519E-12	4.33661E-11	0.243612	hyper	sig	chr19_13014162
chr13	50127437	50127437	+	3.522E-12	4.34005E-11	0.240553	hyper	sig	chr13_50127437
chr10	1.01E+08	101146889	+	3.526E-12	4.34446E-11	0.250242	hyper	sig	chr10_101146889
chr5	1.67E+08	166975562	+	3.527E-12	4.34607E-11	-0.24728	hypo	sig	chr5_166975562
chr4	1.13E+08	112521553	+	3.529E-12	4.34782E-11	0.246015	hyper	sig	chr4_112521553

chr9	62801936	62801936	+	3.535E-12	4.35446E-11	0.215592	hyper	sig	chr9_62801936
chr12	24902097	24902097	+	3.537E-12	4.35756E-11	0.258385	hyper	sig	chr12_24902097
chr2	1.28E+08	127646911	+	3.545E-12	4.36709E-11	-0.23912	hypo	sig	chr2_127646911
chr20	37523207	37523207	+	3.554E-12	4.37787E-11	-0.25382	hypo	sig	chr20_37523207
chr19	7349088	7349088	+	3.565E-12	4.39066E-11	-0.21364	hypo	sig	chr19_7349088
chr9	1.32E+08	132488701	+	3.574E-12	4.4015E-11	-0.20616	hypo	sig	chr9_132488701
chr3	1.84E+08	184492258	+	3.574E-12	4.40182E-11	0.212525	hyper	sig	chr3_184492258
chr12	1.19E+08	118981028	+	3.576E-12	4.40394E-11	0.230866	hyper	sig	chr12_118981028
chr5	63961164	63961164	+	3.58E-12	4.40805E-11	0.239565	hyper	sig	chr5_63961164
chr16	86495321	86495321	+	3.594E-12	4.42496E-11	0.237576	hyper	sig	chr16_86495321
chr2	1510226	1510226	+	3.596E-12	4.42747E-11	-0.20728	hypo	sig	chr2_1510226
chr2	1.05E+08	104659448	+	3.6E-12	4.43209E-11	0.234509	hyper	sig	chr2_104659448
chr7	1.43E+08	142876756	+	3.62E-12	4.45581E-11	-0.20877	hypo	sig	chr7_142876756
chr7	57206075	57206075	+	3.62E-12	4.45635E-11	-0.20729	hypo	sig	chr7_57206075
chr2	3601865	3601865	+	3.632E-12	4.47E-11	-0.21526	hypo	sig	chr2_3601865
chr16	55330317	55330317	+	3.647E-12	4.48791E-11	0.200899	hyper	sig	chr16_55330317
chr15	74941144	74941144	+	3.659E-12	4.50251E-11	-0.27814	hypo	sig	chr15_74941144
chr7	63930741	63930741	+	3.661E-12	4.50509E-11	-0.2519	hypo	sig	chr7_63930741
chr10	52771585	52771585	+	3.673E-12	4.51853E-11	-0.21532	hypo	sig	chr10_52771585
chr22	16601063	16601063	+	3.691E-12	4.53988E-11	0.229617	hyper	sig	chr22_16601063
chr4	37245964	37245964	+	3.717E-12	4.57089E-11	0.283962	hyper	sig	chr4_37245964
chr10	90857165	90857165	+	3.718E-12	4.57244E-11	0.232767	hyper	sig	chr10_90857165
chr9	1.34E+08	133911258	+	3.727E-12	4.58245E-11	0.208111	hyper	sig	chr9_133911258
chr16	89818927	89818927	+	3.728E-12	4.58355E-11	-0.29367	hypo	sig	chr16_89818927
chr18	77250938	77250938	+	3.734E-12	4.59066E-11	0.240813	hyper	sig	chr18_77250938
chr3	42686307	42686307	+	3.739E-12	4.59719E-11	0.220165	hyper	sig	chr3_42686307
chr14	23361765	23361765	+	3.746E-12	4.60563E-11	-0.21218	hypo	sig	chr14_23361765
chr1	2.36E+08	236396022	+	3.748E-12	4.60773E-11	0.243053	hyper	sig	chr1_236396022
chr17	28380520	28380520	+	3.749E-12	4.60848E-11	-0.22619	hypo	sig	chr17_28380520
chr8	47194137	47194137	+	3.75E-12	4.61028E-11	-0.21949	hypo	sig	chr8_47194137
chr4	1.44E+08	143912297	+	3.758E-12	4.61933E-11	0.254593	hyper	sig	chr4_143912297
chr7	119040	119040	+	3.768E-12	4.63106E-11	-0.20968	hypo	sig	chr7_119040
chr7	1.34E+08	134458294	+	3.775E-12	4.63981E-11	0.211348	hyper	sig	chr7_134458294
chr13	20137463	20137463	+	3.778E-12	4.64274E-11	-0.22371	hypo	sig	chr13_20137463
chr4	7331693	7331693	+	3.789E-12	4.65549E-11	-0.24212	hypo	sig	chr4_7331693
chr11	1644117	1644117	+	3.795E-12	4.66339E-11	-0.22186	hypo	sig	chr11_1644117
chr20	62217389	62217389	+	3.81E-12	4.68021E-11	-0.21665	hypo	sig	chr20_62217389
chr12	7916131	7916131	+	3.828E-12	4.70208E-11	0.250261	hyper	sig	chr12_7916131
chr10	8052761	8052761	+	3.831E-12	4.70552E-11	0.212564	hyper	sig	chr10_8052761
chr10	7667775	7667775	+	3.837E-12	4.71301E-11	0.286538	hyper	sig	chr10_7667775
chr4	1.39E+08	139279368	+	3.843E-12	4.71944E-11	0.243819	hyper	sig	chr4_139279368
chr12	29782524	29782524	+	3.853E-12	4.73152E-11	0.249395	hyper	sig	chr12_29782524
chr20	5315757	5315757	+	3.853E-12	4.73152E-11	0.217989	hyper	sig	chr20_5315757
chr13	35478516	35478516	+	3.86E-12	4.74006E-11	0.222776	hyper	sig	chr13_35478516
chr11	60951237	60951237	+	3.87E-12	4.75212E-11	0.201397	hyper	sig	chr11_60951237
chr7	19118642	19118642	+	3.885E-12	4.77012E-11	0.209167	hyper	sig	chr7_19118642
chr19	2889168	2889168	+	3.889E-12	4.77398E-11	-0.20119	hypo	sig	chr19_2889168
chr5	1.73E+08	173243996	+	3.891E-12	4.77691E-11	0.204811	hyper	sig	chr5_173243996
chr19	12513650	12513650	+	3.894E-12	4.78083E-11	0.219563	hyper	sig	chr19_12513650
chr10	1.33E+08	132938501	+	3.9E-12	4.7869E-11	-0.20326	hypo	sig	chr10_132938501
chr12	139915	139915	+	3.9E-12	4.7872E-11	0.247018	hyper	sig	chr12_139915
chr16	68263324	68263324	+	3.904E-12	4.79236E-11	0.21987	hyper	sig	chr16_68263324
chr17	78453357	78453357	+	3.907E-12	4.79555E-11	-0.22723	hypo	sig	chr17_78453357
chr14	32934096	32934096	+	3.911E-12	4.80046E-11	0.211704	hyper	sig	chr14_32934096
chr3	1.54E+08	154428447	+	3.919E-12	4.80953E-11	0.225129	hyper	sig	chr3_154428447
chr2	2.36E+08	236216487	+	3.926E-12	4.8172E-11	-0.21119	hypo	sig	chr2_236216487

chr19	55513731	55513731	+	3.926E-12	4.81811E-11	-0.21466	hypo	sig	chr19_55513731
chr5	1752762	1752762	+	3.927E-12	4.8193E-11	-0.21929	hypo	sig	chr5_1752762
chr19	45901443	45901443	+	3.941E-12	4.83542E-11	0.234826	hyper	sig	chr19_45901443
chr7	4833622	4833622	+	3.943E-12	4.83731E-11	-0.20148	hypo	sig	chr7_4833622
chr1	9010068	9010068	+	3.946E-12	4.84111E-11	-0.24876	hypo	sig	chr1_9010068
chr9	1.21E+08	120842284	+	3.953E-12	4.85021E-11	0.21342	hyper	sig	chr9_120842284
chr6	16216832	16216832	+	3.958E-12	4.85531E-11	0.305264	hyper	sig	chr6_16216832
chr14	1.04E+08	104159332	+	3.959E-12	4.8564E-11	-0.20543	hypo	sig	chr14_104159332
chr17	16935031	16935031	+	3.96E-12	4.85745E-11	-0.20701	hypo	sig	chr17_16935031
chr12	1.07E+08	106580893	+	3.982E-12	4.88385E-11	0.211309	hyper	sig	chr12_106580893
chr9	971825	971825	+	3.984E-12	4.88564E-11	0.236038	hyper	sig	chr9_971825
chr6	30814267	30814267	+	4.008E-12	4.91364E-11	-0.31261	hypo	sig	chr6_30814267
chr4	25309005	25309005	+	4.017E-12	4.92515E-11	0.208964	hyper	sig	chr4_25309005
chr5	93587817	93587817	+	4.028E-12	4.93746E-11	0.200976	hyper	sig	chr5_93587817
chr1	1.55E+08	154861869	+	4.029E-12	4.93928E-11	-0.22708	hypo	sig	chr1_154861869
chr10	42926737	42926737	+	4.035E-12	4.94556E-11	-0.23362	hypo	sig	chr10_42926737
chr2	91593650	91593650	+	4.036E-12	4.94736E-11	-0.21464	hypo	sig	chr2_91593650
chr17	44558502	44558502	+	4.04E-12	4.95185E-11	0.208059	hyper	sig	chr17_44558502
chr5	1.71E+08	171307874	+	4.06E-12	4.97524E-11	0.218597	hyper	sig	chr5_171307874
chr11	1.16E+08	115758172	+	4.064E-12	4.97974E-11	-0.23036	hypo	sig	chr11_115758172
chr17	44657157	44657157	+	4.077E-12	4.99476E-11	0.212358	hyper	sig	chr17_44657157
chr1	1.44E+08	143698922	+	4.089E-12	5.00963E-11	0.24939	hyper	sig	chr1_143698922
chr1	1.61E+08	161480640	+	4.098E-12	5.02018E-11	-0.20701	hypo	sig	chr1_161480640
chr3	1.96E+08	195834096	+	4.101E-12	5.02353E-11	-0.26368	hypo	sig	chr3_195834096
chr22	49708320	49708320	+	4.107E-12	5.03046E-11	-0.22764	hypo	sig	chr22_49708320
chr17	19978356	19978356	+	4.113E-12	5.03783E-11	0.224573	hyper	sig	chr17_19978356
chr19	39924649	39924649	+	4.132E-12	5.06016E-11	-0.25004	hypo	sig	chr19_39924649
chr12	54126636	54126636	+	4.133E-12	5.06137E-11	0.210433	hyper	sig	chr12_54126636
chr4	41879185	41879185	+	4.135E-12	5.0638E-11	0.241141	hyper	sig	chr4_41879185
chr17	34157106	34157106	+	4.145E-12	5.07527E-11	0.215471	hyper	sig	chr17_34157106
chr12	29783038	29783038	+	4.146E-12	5.0766E-11	0.250682	hyper	sig	chr12_29783038
chr15	51093732	51093732	+	4.152E-12	5.08268E-11	0.220085	hyper	sig	chr15_51093732
chr8	11996411	11996411	+	4.159E-12	5.09153E-11	-0.25334	hypo	sig	chr8_11996411
chr10	42898711	42898711	+	4.16E-12	5.09188E-11	0.263303	hyper	sig	chr10_42898711
chr3	13072843	13072843	+	4.16E-12	5.09289E-11	0.211708	hyper	sig	chr3_13072843
chr10	49613606	49613606	+	4.168E-12	5.10217E-11	0.25011	hyper	sig	chr10_49613606
chr4	44447626	44447626	+	4.169E-12	5.10314E-11	0.205981	hyper	sig	chr4_44447626
chr16	3256754	3256754	+	4.174E-12	5.10862E-11	-0.24248	hypo	sig	chr16_3256754
chr18	9707780	9707780	+	4.176E-12	5.11137E-11	0.236956	hyper	sig	chr18_9707780
chr16	89972136	89972136	+	4.18E-12	5.11571E-11	0.201278	hyper	sig	chr16_89972136
chr5	64690369	64690369	+	4.185E-12	5.12084E-11	0.22041	hyper	sig	chr5_64690369
chr2	61889607	61889607	+	4.193E-12	5.13142E-11	-0.30229	hypo	sig	chr2_61889607
chr16	1288502	1288502	+	4.201E-12	5.14015E-11	-0.20822	hypo	sig	chr16_1288502
chr2	30230935	30230935	+	4.205E-12	5.14466E-11	0.280101	hyper	sig	chr2_30230935
chr6	1.7E+08	170224782	+	4.21E-12	5.15057E-11	-0.21524	hypo	sig	chr6_170224782
chr4	912286	912286	+	4.21E-12	5.15081E-11	-0.20404	hypo	sig	chr4_912286
chr12	1.31E+08	131460639	+	4.213E-12	5.15375E-11	-0.22358	hypo	sig	chr12_131460639
chr12	55939529	55939529	+	4.217E-12	5.15819E-11	-0.25721	hypo	sig	chr12_55939529
chr6	34157454	34157454	+	4.225E-12	5.16748E-11	-0.225	hypo	sig	chr6_34157454
chr18	57352480	57352480	+	4.252E-12	5.19983E-11	0.256517	hyper	sig	chr18_57352480
chr6	1.69E+08	168887114	+	4.255E-12	5.20374E-11	-0.22608	hypo	sig	chr6_168887114
chr1	1.6E+08	159930021	+	4.256E-12	5.20458E-11	-0.22943	hypo	sig	chr1_159930021
chr19	18220197	18220197	+	4.267E-12	5.21753E-11	-0.22677	hypo	sig	chr19_18220197
chr17	76028218	76028218	+	4.268E-12	5.21858E-11	-0.24333	hypo	sig	chr17_76028218
chr10	1.01E+08	101140695	+	4.275E-12	5.2273E-11	0.214501	hyper	sig	chr10_101140695
chr6	52839526	52839526	+	4.28E-12	5.23337E-11	-0.2384	hypo	sig	chr6_52839526

chr3	1.29E+08	128555273	+	4.292E-12	5.24697E-11	0.223797	hyper	sig	chr3_128555273
chr22	16601058	16601058	+	4.292E-12	5.24743E-11	0.2442	hyper	sig	chr22_16601058
chr12	1.33E+08	132904766	+	4.3E-12	5.2566E-11	0.214589	hyper	sig	chr12_132904766
chr6	8436235	8436235	+	4.318E-12	5.27797E-11	-0.20278	hypo	sig	chr6_8436235
chr5	1.41E+08	140875853	+	4.323E-12	5.28336E-11	0.212945	hyper	sig	chr5_140875853
chr1	11526271	11526271	+	4.337E-12	5.30074E-11	-0.21798	hypo	sig	chr1_11526271
chr7	73425161	73425161	+	4.352E-12	5.31874E-11	-0.24147	hypo	sig	chr7_73425161
chr7	1.54E+08	153749193	+	4.353E-12	5.31881E-11	0.224643	hyper	sig	chr7_153749193
chr4	6008495	6008495	+	4.357E-12	5.32353E-11	0.218912	hyper	sig	chr4_6008495
chr9	1.36E+08	136257960	+	4.357E-12	5.32414E-11	-0.20772	hypo	sig	chr9_136257960
chr2	1.81E+08	181456686	+	4.378E-12	5.34859E-11	0.214089	hyper	sig	chr2_181456686
chr11	45681554	45681554	+	4.378E-12	5.34916E-11	-0.20567	hypo	sig	chr11_45681554
chr1	1.97E+08	196878066	+	4.385E-12	5.35651E-11	0.208665	hyper	sig	chr1_196878066
chr7	1.58E+08	158462443	+	4.385E-12	5.35697E-11	-0.23077	hypo	sig	chr7_158462443
chr16	55327773	55327773	+	4.393E-12	5.36664E-11	0.243706	hyper	sig	chr16_55327773
chr16	1299394	1299394	+	4.396E-12	5.37047E-11	-0.21873	hypo	sig	chr16_1299394
chr16	31426414	31426414	+	4.4E-12	5.37397E-11	-0.25435	hypo	sig	chr16_31426414
chr7	50779611	50779611	+	4.4E-12	5.37465E-11	-0.20896	hypo	sig	chr7_50779611
chr15	88258088	88258088	+	4.404E-12	5.37957E-11	0.213774	hyper	sig	chr15_88258088
chr7	2993859	2993859	+	4.405E-12	5.38043E-11	-0.23186	hypo	sig	chr7_2993859
chr4	86547472	86547472	+	4.408E-12	5.38367E-11	-0.24242	hypo	sig	chr4_86547472
chr19	35359628	35359628	+	4.409E-12	5.38413E-11	-0.20732	hypo	sig	chr19_35359628
chr3	13932972	13932972	+	4.41E-12	5.38627E-11	0.211931	hyper	sig	chr3_13932972
chr15	1.01E+08	101395951	+	4.414E-12	5.39029E-11	0.225152	hyper	sig	chr15_101395951
chr11	43523182	43523182	+	4.415E-12	5.39227E-11	-0.25818	hypo	sig	chr11_43523182
chr11	20160691	20160691	+	4.423E-12	5.4013E-11	0.216556	hyper	sig	chr11_20160691
chr10	92420942	92420942	+	4.431E-12	5.41104E-11	0.211541	hyper	sig	chr10_92420942
chr16	86499358	86499358	+	4.438E-12	5.4189E-11	0.24712	hyper	sig	chr16_86499358
chr9	1.37E+08	137165791	+	4.45E-12	5.43314E-11	-0.2057	hypo	sig	chr9_137165791
chr16	88104187	88104187	+	4.467E-12	5.45251E-11	-0.27083	hypo	sig	chr16_88104187
chr12	1.07E+08	106578527	+	4.471E-12	5.45744E-11	-0.24792	hypo	sig	chr12_106578527
chr7	1.54E+08	154054313	+	4.475E-12	5.46269E-11	-0.25987	hypo	sig	chr7_154054313
chr9	92807263	92807263	+	4.478E-12	5.46521E-11	0.230824	hyper	sig	chr9_92807263
chr7	35259216	35259216	+	4.493E-12	5.48379E-11	0.206539	hyper	sig	chr7_35259216
chr19	28727209	28727209	+	4.499E-12	5.49075E-11	0.21535	hyper	sig	chr19_28727209
chr8	66505333	66505333	+	4.5E-12	5.4913E-11	-0.21118	hypo	sig	chr8_66505333
chr19	9498599	9498599	+	4.501E-12	5.4932E-11	0.20896	hyper	sig	chr19_9498599
chr17	17383513	17383513	+	4.512E-12	5.50575E-11	-0.21022	hypo	sig	chr17_17383513
chr15	55589029	55589029	+	4.522E-12	5.51723E-11	0.262674	hyper	sig	chr15_55589029
chr2	70889687	70889687	+	4.532E-12	5.52908E-11	0.212301	hyper	sig	chr2_70889687
chr6	10389982	10389982	+	4.534E-12	5.53199E-11	0.26974	hyper	sig	chr6_10389982
chr19	41838044	41838044	+	4.535E-12	5.53269E-11	-0.26506	hypo	sig	chr19_41838044
chr16	88537354	88537354	+	4.539E-12	5.53785E-11	-0.2072	hypo	sig	chr16_88537354
chr19	9498235	9498235	+	4.545E-12	5.5439E-11	0.267255	hyper	sig	chr19_9498235
chr11	1.34E+08	134277688	+	4.547E-12	5.54688E-11	0.279469	hyper	sig	chr11_134277688
chr11	1.23E+08	122980091	+	4.553E-12	5.55368E-11	0.243886	hyper	sig	chr11_122980091
chr8	57143313	57143313	+	4.557E-12	5.55788E-11	0.287368	hyper	sig	chr8_57143313
chr11	77039303	77039303	+	4.561E-12	5.5626E-11	-0.31834	hypo	sig	chr11_77039303
chr17	1907139	1907139	+	4.563E-12	5.56498E-11	-0.21284	hypo	sig	chr17_1907139
chr1	32753679	32753679	+	4.569E-12	5.57151E-11	0.225077	hyper	sig	chr1_32753679
chr8	8330967	8330967	+	4.58E-12	5.58449E-11	-0.2801	hypo	sig	chr8_8330967
chr11	94401840	94401840	+	4.583E-12	5.58869E-11	0.22511	hyper	sig	chr11_94401840
chr7	1.55E+08	155487945	+	4.592E-12	5.59949E-11	-0.20422	hypo	sig	chr7_155487945
chr4	1.84E+08	183902883	+	4.603E-12	5.61196E-11	-0.21218	hypo	sig	chr4_183902883
chr10	95231071	95231071	+	4.606E-12	5.61565E-11	0.208636	hyper	sig	chr10_95231071
chr10	1.33E+08	132627860	+	4.617E-12	5.62792E-11	-0.211	hypo	sig	chr10_132627860

chr13	52847574	52847574	+	4.622E-12	5.63432E-11	0.240874	hyper	sig	chr13_52847574
chr19	36605585	36605585	+	4.634E-12	5.64785E-11	0.227463	hyper	sig	chr19_36605585
chr17	6714308	6714308	+	4.643E-12	5.65794E-11	0.206883	hyper	sig	chr17_6714308
chr1	1.52E+08	152191543	+	4.666E-12	5.68535E-11	-0.27018	hypo	sig	chr1_152191543
chr2	1.2E+08	120216544	+	4.667E-12	5.6865E-11	-0.24488	hypo	sig	chr2_120216544
chr10	1.33E+08	132936711	+	4.673E-12	5.69371E-11	-0.21351	hypo	sig	chr10_132936711
chr11	20163545	20163545	+	4.673E-12	5.69371E-11	0.252496	hyper	sig	chr11_20163545
chr8	1.42E+08	142125585	+	4.682E-12	5.70402E-11	-0.2487	hypo	sig	chr8_142125585
chr19	56643889	56643889	+	4.684E-12	5.70604E-11	0.203905	hyper	sig	chr19_56643889
chr22	38868398	38868398	+	4.688E-12	5.7099E-11	-0.25118	hypo	sig	chr22_38868398
chr13	50127842	50127842	+	4.689E-12	5.71107E-11	0.206534	hyper	sig	chr13_50127842
chr19	39265354	39265354	+	4.704E-12	5.72963E-11	0.253896	hyper	sig	chr19_39265354
chr12	1.2E+08	119594556	+	4.706E-12	5.73165E-11	0.327942	hyper	sig	chr12_119594556
chr5	772541	772541	+	4.716E-12	5.74439E-11	-0.21202	hypo	sig	chr5_772541
chr1	16227676	16227676	+	4.719E-12	5.74725E-11	0.202936	hyper	sig	chr1_16227676
chr19	12969233	12969233	+	4.728E-12	5.75817E-11	-0.24873	hypo	sig	chr19_12969233
chr4	6242538	6242538	+	4.732E-12	5.76268E-11	-0.22515	hypo	sig	chr4_6242538
chr12	1.14E+08	114444779	+	4.74E-12	5.77216E-11	0.215116	hyper	sig	chr12_114444779
chr17	8327441	8327441	+	4.748E-12	5.78073E-11	0.208737	hyper	sig	chr17_8327441
chr8	1.04E+08	104471096	+	4.752E-12	5.78598E-11	-0.23098	hypo	sig	chr8_104471096
chr3	1.95E+08	194688149	+	4.758E-12	5.79197E-11	0.2023	hyper	sig	chr3_194688149
chr3	1.47E+08	147397664	+	4.763E-12	5.79743E-11	0.277016	hyper	sig	chr3_147397664
chr2	2.01E+08	200586226	+	4.766E-12	5.80137E-11	0.221869	hyper	sig	chr2_200586226
chr11	1.35E+08	134781925	+	4.769E-12	5.80555E-11	-0.22273	hypo	sig	chr11_134781925
chr2	68318828	68318828	+	4.786E-12	5.82546E-11	0.303173	hyper	sig	chr2_68318828
chr5	1.79E+08	178941380	+	4.787E-12	5.8262E-11	0.246805	hyper	sig	chr5_178941380
chr20	64164128	64164128	+	4.803E-12	5.84435E-11	-0.21514	hypo	sig	chr20_64164128
chr19	58033857	58033857	+	4.81E-12	5.85265E-11	0.209787	hyper	sig	chr19_58033857
chr6	26743166	26743166	+	4.815E-12	5.85848E-11	0.248571	hyper	sig	chr6_26743166
chr1	29478857	29478857	+	4.819E-12	5.86254E-11	0.219293	hyper	sig	chr1_29478857
chr11	1443578	1443578	+	4.819E-12	5.86293E-11	-0.21007	hypo	sig	chr11_1443578
chr7	1.53E+08	152896579	+	4.825E-12	5.87006E-11	-0.2057	hypo	sig	chr7_152896579
chr17	15917799	15917799	+	4.828E-12	5.87263E-11	0.237715	hyper	sig	chr17_15917799
chr12	52116019	52116019	+	4.835E-12	5.88086E-11	-0.23306	hypo	sig	chr12_52116019
chr22	50173957	50173957	+	4.838E-12	5.88447E-11	-0.20042	hypo	sig	chr22_50173957
chr17	12664692	12664692	+	4.84E-12	5.88665E-11	-0.20425	hypo	sig	chr17_12664692
chr3	1.34E+08	133783755	+	4.846E-12	5.8936E-11	0.24323	hyper	sig	chr3_133783755
chr1	1.57E+08	156642586	+	4.849E-12	5.8979E-11	0.232665	hyper	sig	chr1_156642586
chr8	26865285	26865285	+	4.853E-12	5.90287E-11	0.20965	hyper	sig	chr8_26865285
chr7	1231018	1231018	+	4.854E-12	5.9037E-11	0.214816	hyper	sig	chr7_1231018
chr9	1.37E+08	136986102	+	4.867E-12	5.91832E-11	0.225397	hyper	sig	chr9_136986102
chr10	49613594	49613594	+	4.877E-12	5.93088E-11	0.242739	hyper	sig	chr10_49613594
chr7	4135514	4135514	+	4.884E-12	5.93883E-11	-0.20484	hypo	sig	chr7_4135514
chr6	1.7E+08	170055946	+	4.894E-12	5.95106E-11	-0.20134	hypo	sig	chr6_170055946
chr14	23386715	23386715	+	4.894E-12	5.95122E-11	-0.24713	hypo	sig	chr14_23386715
chr2	10316240	10316240	+	4.905E-12	5.96426E-11	-0.22281	hypo	sig	chr2_10316240
chr2	19357407	19357407	+	4.918E-12	5.9791E-11	0.216003	hyper	sig	chr2_19357407
chr1	4668735	4668735	+	4.918E-12	5.97958E-11	-0.20961	hypo	sig	chr1_4668735
chr2	1.05E+08	104659329	+	4.928E-12	5.99041E-11	0.229157	hyper	sig	chr2_104659329
chr17	10197804	10197804	+	4.938E-12	6.00327E-11	0.203097	hyper	sig	chr17_10197804
chr12	1.24E+08	123799418	+	4.947E-12	6.01339E-11	-0.2107	hypo	sig	chr12_123799418
chr7	1620904	1620904	+	4.951E-12	6.01838E-11	-0.20585	hypo	sig	chr7_1620904
chr6	1.08E+08	108170168	+	4.988E-12	6.06115E-11	0.255468	hyper	sig	chr6_108170168
chr7	32428561	32428561	+	4.989E-12	6.06217E-11	0.307712	hyper	sig	chr7_32428561
chr8	57143317	57143317	+	5.012E-12	6.08967E-11	0.288727	hyper	sig	chr8_57143317
chr13	78594266	78594266	+	5.024E-12	6.10447E-11	0.200981	hyper	sig	chr13_78594266

chr5	40756410	40756410	+	5.038E-12	6.12037E-11	-0.20188	hypo	sig	chr5_40756410
chr12	54031308	54031308	+	5.06E-12	6.14606E-11	0.206148	hyper	sig	chr12_54031308
chr13	30803458	30803458	+	5.061E-12	6.14754E-11	-0.22523	hypo	sig	chr13_30803458
chr8	85438905	85438905	+	5.072E-12	6.15987E-11	0.223912	hyper	sig	chr8_85438905
chr12	1.31E+08	131166694	+	5.078E-12	6.16713E-11	-0.2126	hypo	sig	chr12_131166694
chr19	33771222	33771222	+	5.095E-12	6.18803E-11	-0.21217	hypo	sig	chr19_33771222
chr15	82646220	82646220	+	5.112E-12	6.20751E-11	0.228651	hyper	sig	chr15_82646220
chr7	1235902	1235902	+	5.147E-12	6.24857E-11	0.236705	hyper	sig	chr7_1235902
chr20	59601161	59601161	+	5.151E-12	6.25356E-11	-0.22726	hypo	sig	chr20_59601161
chr19	5212093	5212093	+	5.156E-12	6.25931E-11	-0.22197	hypo	sig	chr19_5212093
chr9	1.28E+08	127725044	+	5.159E-12	6.26243E-11	-0.26028	hypo	sig	chr9_127725044
chr13	1.12E+08	112344080	+	5.165E-12	6.26955E-11	-0.21368	hypo	sig	chr13_112344080
chr16	54290213	54290213	+	5.172E-12	6.27725E-11	0.222032	hyper	sig	chr16_54290213
chr5	2750055	2750055	+	5.182E-12	6.28912E-11	0.207781	hyper	sig	chr5_2750055
chr13	1.12E+08	111531103	+	5.189E-12	6.29701E-11	-0.21093	hypo	sig	chr13_111531103
chr2	2.02E+08	201619224	+	5.19E-12	6.29819E-11	0.213609	hyper	sig	chr2_201619224
chr7	1.05E+08	105389701	+	5.199E-12	6.30775E-11	-0.20045	hypo	sig	chr7_105389701
chr20	54475910	54475910	+	5.199E-12	6.30843E-11	0.237305	hyper	sig	chr20_54475910
chr2	1.13E+08	113499235	+	5.2E-12	6.30939E-11	0.228653	hyper	sig	chr2_113499235
chr1	2.1E+08	209938642	+	5.204E-12	6.31335E-11	0.207629	hyper	sig	chr1_209938642
chr17	79801969	79801969	+	5.205E-12	6.31435E-11	0.222101	hyper	sig	chr17_79801969
chr5	77638557	77638557	+	5.21E-12	6.32034E-11	0.218549	hyper	sig	chr5_77638557
chr2	1.28E+08	127681546	+	5.212E-12	6.3224E-11	-0.24171	hypo	sig	chr2_127681546
chr1	63316807	63316807	+	5.214E-12	6.32453E-11	0.201159	hyper	sig	chr1_63316807
chr17	17474480	17474480	+	5.216E-12	6.3278E-11	-0.20932	hypo	sig	chr17_17474480
chr8	1E+08	100105846	+	5.234E-12	6.34814E-11	0.210954	hyper	sig	chr8_100105846
chr16	85303761	85303761	+	5.243E-12	6.35868E-11	-0.24493	hypo	sig	chr16_85303761
chr12	667185	667185	+	5.264E-12	6.38289E-11	-0.20331	hypo	sig	chr12_667185
chr11	72251425	72251425	+	5.288E-12	6.41132E-11	-0.20743	hypo	sig	chr11_72251425
chr2	1.19E+08	118845760	+	5.315E-12	6.4433E-11	0.209406	hyper	sig	chr2_118845760
chr19	45763015	45763015	+	5.319E-12	6.4469E-11	-0.21393	hypo	sig	chr19_45763015
chr1	2.21E+08	220877434	+	5.326E-12	6.45547E-11	0.200395	hyper	sig	chr1_220877434
chr19	53058328	53058328	+	5.329E-12	6.45905E-11	0.256891	hyper	sig	chr19_53058328
chr17	49965648	49965648	+	5.338E-12	6.46868E-11	0.243561	hyper	sig	chr17_49965648
chr19	4902887	4902887	+	5.357E-12	6.49029E-11	-0.25212	hypo	sig	chr19_4902887
chr13	21106426	21106426	+	5.364E-12	6.4985E-11	-0.21236	hypo	sig	chr13_21106426
chr12	12872435	12872435	+	5.379E-12	6.5166E-11	-0.23898	hypo	sig	chr12_12872435
chr2	1.56E+08	156320833	+	5.39E-12	6.52958E-11	0.215603	hyper	sig	chr2_156320833
chr17	58278140	58278140	+	5.401E-12	6.54221E-11	-0.26659	hypo	sig	chr17_58278140
chr6	27566358	27566358	+	5.408E-12	6.54989E-11	0.208961	hyper	sig	chr6_27566358
chr12	49544214	49544214	+	5.409E-12	6.55153E-11	0.21243	hyper	sig	chr12_49544214
chr6	30111323	30111323	+	5.409E-12	6.55175E-11	-0.2336	hypo	sig	chr6_30111323
chr19	12513662	12513662	+	5.413E-12	6.5559E-11	0.214292	hyper	sig	chr19_12513662
chr11	1.12E+08	111923622	+	5.418E-12	6.56136E-11	-0.24584	hypo	sig	chr11_111923622
chr3	62373912	62373912	+	5.424E-12	6.56845E-11	0.242225	hyper	sig	chr3_62373912
chr5	1.77E+08	177385122	+	5.424E-12	6.56845E-11	-0.23225	hypo	sig	chr5_177385122
chr14	36524672	36524672	+	5.444E-12	6.59232E-11	0.20853	hyper	sig	chr14_36524672
chr13	25095919	25095919	+	5.466E-12	6.61746E-11	0.206157	hyper	sig	chr13_25095919
chr2	10091643	10091643	+	5.479E-12	6.63349E-11	0.214188	hyper	sig	chr2_10091643
chr6	1E+08	100467966	+	5.481E-12	6.63539E-11	0.210382	hyper	sig	chr6_100467966
chr20	56003900	56003900	+	5.489E-12	6.64408E-11	0.215017	hyper	sig	chr20_56003900
chr6	1.34E+08	133889674	+	5.499E-12	6.6565E-11	0.21242	hyper	sig	chr6_133889674
chr4	1.82E+08	182140858	+	5.5E-12	6.65757E-11	0.200636	hyper	sig	chr4_182140858
chr3	1.86E+08	186361286	+	5.51E-12	6.66985E-11	0.238831	hyper	sig	chr3_186361286
chr14	1.04E+08	104317631	+	5.513E-12	6.67276E-11	-0.20264	hypo	sig	chr14_104317631
chr22	29581820	29581820	+	5.516E-12	6.67643E-11	-0.25646	hypo	sig	chr22_29581820

chr8	68332470	68332470	+	5.525E-12	6.68671E-11	0.23227	hyper	sig	chr8_68332470
chr9	13278453	13278453	+	5.53E-12	6.69276E-11	0.21621	hyper	sig	chr9_13278453
chr17	65541651	65541651	+	5.531E-12	6.69347E-11	-0.21836	hypo	sig	chr17_65541651
chr1	15568937	15568937	+	5.559E-12	6.72609E-11	-0.31699	hypo	sig	chr1_15568937
chr1	50048774	50048774	+	5.596E-12	6.76955E-11	0.206081	hyper	sig	chr1_50048774
chr6	29627317	29627317	+	5.599E-12	6.77274E-11	0.209382	hyper	sig	chr6_29627317
chr10	1.01E+08	101216958	+	5.6E-12	6.77397E-11	0.219171	hyper	sig	chr10_101216958
chr1	38818140	38818140	+	5.603E-12	6.77644E-11	0.224592	hyper	sig	chr1_38818140
chr6	1.37E+08	137497269	+	5.609E-12	6.78401E-11	0.217864	hyper	sig	chr6_137497269
chr11	1.23E+08	123196034	+	5.611E-12	6.7856E-11	0.24824	hyper	sig	chr11_123196034
chr6	30127929	30127929	+	5.622E-12	6.79851E-11	0.206889	hyper	sig	chr6_30127929
chr19	17846308	17846308	+	5.656E-12	6.8387E-11	-0.21254	hypo	sig	chr19_17846308
chr7	4205700	4205700	+	5.668E-12	6.85207E-11	-0.20073	hypo	sig	chr7_4205700
chr17	7739877	7739877	+	5.685E-12	6.87181E-11	-0.239	hypo	sig	chr17_7739877
chr2	1.21E+08	121019028	+	5.692E-12	6.88022E-11	-0.20764	hypo	sig	chr2_121019028
chr19	33227251	33227251	+	5.7E-12	6.88857E-11	0.201031	hyper	sig	chr19_33227251
chr8	24999119	24999119	+	5.705E-12	6.89441E-11	-0.22013	hypo	sig	chr8_24999119
chr12	7748049	7748049	+	5.722E-12	6.91536E-11	-0.20614	hypo	sig	chr12_7748049
chr13	25097468	25097468	+	5.75E-12	6.94826E-11	-0.26504	hypo	sig	chr13_25097468
chr19	22259659	22259659	+	5.761E-12	6.96055E-11	-0.21818	hypo	sig	chr19_22259659
chr2	1.24E+08	124024724	+	5.766E-12	6.96684E-11	0.241503	hyper	sig	chr2_124024724
chr20	63466640	63466640	+	5.767E-12	6.96788E-11	-0.20329	hypo	sig	chr20_63466640
chr15	40106319	40106319	+	5.781E-12	6.98451E-11	-0.20454	hypo	sig	chr15_40106319
chr1	1.76E+08	175599266	+	5.788E-12	6.9922E-11	0.212519	hyper	sig	chr1_175599266
chr6	1.1E+08	109979872	+	5.791E-12	6.99536E-11	0.200916	hyper	sig	chr6_109979872
chr8	1.41E+08	141085333	+	5.791E-12	6.99567E-11	-0.22269	hypo	sig	chr8_141085333
chr2	2.22E+08	222295119	+	5.791E-12	6.99612E-11	0.240445	hyper	sig	chr2_222295119
chr17	65536498	65536498	+	5.804E-12	7.01049E-11	-0.234	hypo	sig	chr17_65536498
chr19	12940818	12940818	+	5.821E-12	7.03021E-11	-0.202	hypo	sig	chr19_12940818
chr3	69543009	69543009	+	5.824E-12	7.03411E-11	0.363561	hyper	sig	chr3_69543009
chr1	2.17E+08	217139748	+	5.836E-12	7.04773E-11	0.24083	hyper	sig	chr1_217139748
chr1	1.56E+08	156385083	+	5.84E-12	7.05192E-11	-0.21565	hypo	sig	chr1_156385083
chr10	27999263	27999263	+	5.841E-12	7.05298E-11	0.218446	hyper	sig	chr10_27999263
chr11	841449	841449	+	5.846E-12	7.05816E-11	-0.2026	hypo	sig	chr11_841449
chr13	1.13E+08	113420367	+	5.875E-12	7.09269E-11	-0.23333	hypo	sig	chr13_113420367
chr7	66199155	66199155	+	5.88E-12	7.09855E-11	-0.26289	hypo	sig	chr7_66199155
chr14	24172069	24172069	+	5.882E-12	7.10075E-11	0.220355	hyper	sig	chr14_24172069
chr11	6480649	6480649	+	5.894E-12	7.114E-11	-0.2333	hypo	sig	chr11_6480649
chr16	1010561	1010561	+	5.894E-12	7.11439E-11	0.205669	hyper	sig	chr16_1010561
chr5	1.77E+08	177384015	+	5.895E-12	7.11498E-11	-0.20035	hypo	sig	chr5_177384015
chr8	1.43E+08	142879887	+	5.895E-12	7.11534E-11	-0.21702	hypo	sig	chr8_142879887
chr5	55223239	55223239	+	5.905E-12	7.12705E-11	0.218039	hyper	sig	chr5_55223239
chr3	62371499	62371499	+	5.935E-12	7.16193E-11	0.22835	hyper	sig	chr3_62371499
chr14	77070167	77070167	+	5.936E-12	7.16264E-11	-0.20056	hypo	sig	chr14_77070167
chr5	38846919	38846919	+	5.949E-12	7.17801E-11	0.233141	hyper	sig	chr5_38846919
chr4	473258	473258	+	5.959E-12	7.19012E-11	0.205135	hyper	sig	chr4_473258
chr19	52453701	52453701	+	5.96E-12	7.19064E-11	0.301391	hyper	sig	chr19_52453701
chr8	1.44E+08	143712701	+	5.973E-12	7.20663E-11	-0.2131	hypo	sig	chr8_143712701
chr20	52104646	52104646	+	5.98E-12	7.21442E-11	0.238401	hyper	sig	chr20_52104646
chr9	1.31E+08	130991175	+	5.986E-12	7.22084E-11	-0.22481	hypo	sig	chr9_130991175
chr17	40936868	40936868	+	6.017E-12	7.25685E-11	-0.21816	hypo	sig	chr17_40936868
chr19	12195682	12195682	+	6.018E-12	7.25822E-11	0.264805	hyper	sig	chr19_12195682
chr19	56538277	56538277	+	6.023E-12	7.26371E-11	0.24836	hyper	sig	chr19_56538277
chr2	20106756	20106756	+	6.04E-12	7.28392E-11	0.234786	hyper	sig	chr2_20106756
chr22	32205112	32205112	+	6.042E-12	7.28634E-11	-0.21451	hypo	sig	chr22_32205112
chr11	68981115	68981115	+	6.044E-12	7.28801E-11	-0.2569	hypo	sig	chr11_68981115

chr17	82368125	82368125	+	6.046E-12	7.28979E-11	-0.23972	hypo	sig	chr17_82368125
chr22	50602813	50602813	+	6.048E-12	7.29271E-11	-0.21685	hypo	sig	chr22_50602813
chr19	40526461	40526461	+	6.053E-12	7.29828E-11	-0.23518	hypo	sig	chr19_40526461
chr6	40595857	40595857	+	6.062E-12	7.30822E-11	-0.2673	hypo	sig	chr6_40595857
chr8	1837635	1837635	+	6.075E-12	7.32344E-11	-0.23798	hypo	sig	chr8_1837635
chr2	63054755	63054755	+	6.083E-12	7.33242E-11	0.223244	hyper	sig	chr2_63054755
chr5	81086939	81086939	+	6.084E-12	7.33359E-11	-0.20252	hypo	sig	chr5_81086939
chr7	27113294	27113294	+	6.088E-12	7.33832E-11	0.203997	hyper	sig	chr7_27113294
chr16	14400138	14400138	+	6.099E-12	7.35039E-11	-0.27277	hypo	sig	chr16_14400138
chr12	52797124	52797124	+	6.116E-12	7.37107E-11	-0.21129	hypo	sig	chr12_52797124
chr12	53975260	53975260	+	6.138E-12	7.39575E-11	0.242453	hyper	sig	chr12_53975260
chr11	71424224	71424224	+	6.152E-12	7.41213E-11	-0.20194	hypo	sig	chr11_71424224
chr12	53936608	53936608	+	6.17E-12	7.43282E-11	0.232251	hyper	sig	chr12_53936608
chr18	59274788	59274788	+	6.17E-12	7.43317E-11	0.25198	hyper	sig	chr18_59274788
chr6	37649045	37649045	+	6.174E-12	7.43698E-11	0.224749	hyper	sig	chr6_37649045
chr2	61551033	61551033	+	6.174E-12	7.437E-11	-0.2165	hypo	sig	chr2_61551033
chr1	1.48E+08	148246619	+	6.177E-12	7.44067E-11	0.209297	hyper	sig	chr1_148246619
chr20	21608521	21608521	+	6.177E-12	7.44067E-11	-0.21273	hypo	sig	chr20_21608521
chr3	14819257	14819257	+	6.194E-12	7.46108E-11	-0.24304	hypo	sig	chr3_14819257
chr19	39515985	39515985	+	6.197E-12	7.46366E-11	0.211826	hyper	sig	chr19_39515985
chr10	69560227	69560227	+	6.205E-12	7.47333E-11	-0.21947	hypo	sig	chr10_69560227
chr14	94861499	94861499	+	6.207E-12	7.47512E-11	-0.24431	hypo	sig	chr14_94861499
chr6	30261680	30261680	+	6.207E-12	7.47563E-11	-0.34453	hypo	sig	chr6_30261680
chr11	1.3E+08	130429403	+	6.219E-12	7.48893E-11	-0.20868	hypo	sig	chr11_130429403
chr5	1.69E+08	169301240	+	6.223E-12	7.49418E-11	0.267141	hyper	sig	chr5_169301240
chr16	3184438	3184438	+	6.229E-12	7.5012E-11	0.211545	hyper	sig	chr16_3184438
chr19	18099584	18099584	+	6.235E-12	7.50795E-11	-0.21521	hypo	sig	chr19_18099584
chr1	1.98E+08	197920512	+	6.236E-12	7.50835E-11	0.217001	hyper	sig	chr1_197920512
chr5	1.38E+08	138489948	+	6.243E-12	7.51686E-11	-0.21419	hypo	sig	chr5_138489948
chr6	1.23E+08	123202058	+	6.259E-12	7.5353E-11	-0.26496	hypo	sig	chr6_123202058
chr3	1.23E+08	123452418	+	6.26E-12	7.53605E-11	-0.25386	hypo	sig	chr3_123452418
chr12	1.13E+08	113103878	+	6.287E-12	7.56724E-11	0.220859	hyper	sig	chr12_113103878
chr5	1.41E+08	141102071	+	6.316E-12	7.60169E-11	0.211239	hyper	sig	chr5_141102071
chr7	38311359	38311359	+	6.322E-12	7.60855E-11	0.233809	hyper	sig	chr7_38311359
chr1	17149555	17149555	+	6.355E-12	7.64687E-11	0.208592	hyper	sig	chr1_17149555
chr13	1.12E+08	111584567	+	6.368E-12	7.66147E-11	-0.24856	hypo	sig	chr13_111584567
chr18	78977545	78977545	+	6.378E-12	7.67339E-11	0.215612	hyper	sig	chr18_78977545
chr16	71359898	71359898	+	6.396E-12	7.69453E-11	-0.20515	hypo	sig	chr16_71359898
chr5	1.41E+08	141491818	+	6.4E-12	7.69923E-11	0.208404	hyper	sig	chr5_141491818
chr2	42492780	42492780	+	6.403E-12	7.70263E-11	0.21114	hyper	sig	chr2_42492780
chr10	1.33E+08	132940998	+	6.42E-12	7.7226E-11	-0.21802	hypo	sig	chr10_132940998
chr16	31569599	31569599	+	6.421E-12	7.72368E-11	0.242381	hyper	sig	chr16_31569599
chr15	40302477	40302477	+	6.423E-12	7.72528E-11	-0.21243	hypo	sig	chr15_40302477
chr6	32047996	32047996	+	6.434E-12	7.73829E-11	-0.2013	hypo	sig	chr6_32047996
chr4	84502194	84502194	+	6.437E-12	7.74184E-11	0.201642	hyper	sig	chr4_84502194
chr5	1.32E+08	132271334	+	6.439E-12	7.74404E-11	-0.24096	hypo	sig	chr5_132271334
chr22	45889753	45889753	+	6.453E-12	7.76022E-11	0.216322	hyper	sig	chr22_45889753
chr12	62191654	62191654	+	6.466E-12	7.77578E-11	0.205483	hyper	sig	chr12_62191654
chr19	8331738	8331738	+	6.47E-12	7.77966E-11	-0.2362	hypo	sig	chr19_8331738
chr5	1.41E+08	141136358	+	6.486E-12	7.79879E-11	-0.2017	hypo	sig	chr5_141136358
chr11	94401850	94401850	+	6.504E-12	7.81938E-11	0.219486	hyper	sig	chr11_94401850
chr19	6709811	6709811	+	6.534E-12	7.85433E-11	-0.23606	hypo	sig	chr19_6709811
chr7	38978578	38978578	+	6.544E-12	7.86575E-11	-0.22174	hypo	sig	chr7_38978578
chr19	28731306	28731306	+	6.554E-12	7.87701E-11	-0.31151	hypo	sig	chr19_28731306
chr10	95231136	95231136	+	6.592E-12	7.92096E-11	0.216811	hyper	sig	chr10_95231136
chr6	30684505	30684505	+	6.603E-12	7.93367E-11	0.214921	hyper	sig	chr6_30684505

chr19	23002702	23002702	+	6.615E-12	7.94879E-11	0.305426	hyper	sig	chr19_23002702
chr17	79006830	79006830	+	6.63E-12	7.96612E-11	-0.26091	hypo	sig	chr17_79006830
chr18	37484952	37484952	+	6.646E-12	7.98457E-11	0.224618	hyper	sig	chr18_37484952
chr11	1.23E+08	122980096	+	6.673E-12	8.01561E-11	0.225138	hyper	sig	chr11_122980096
chr17	8057139	8057139	+	6.677E-12	8.01999E-11	-0.22706	hypo	sig	chr17_8057139
chr10	1.32E+08	132057690	+	6.679E-12	8.02273E-11	-0.23598	hypo	sig	chr10_132057690
chr2	506139	506139	+	6.68E-12	8.02355E-11	-0.20402	hypo	sig	chr2_506139
chr1	46544433	46544433	+	6.723E-12	8.07297E-11	0.226938	hyper	sig	chr1_46544433
chr15	96367899	96367899	+	6.75E-12	8.10359E-11	0.271617	hyper	sig	chr15_96367899
chr5	88660098	88660098	+	6.752E-12	8.10586E-11	0.218699	hyper	sig	chr5_88660098
chr4	38830060	38830060	+	6.765E-12	8.12095E-11	-0.25907	hypo	sig	chr4_38830060
chr16	51149539	51149539	+	6.774E-12	8.13071E-11	0.206151	hyper	sig	chr16_51149539
chr15	74994282	74994282	+	6.811E-12	8.17423E-11	-0.27159	hypo	sig	chr15_74994282
chr6	12749730	12749730	+	6.816E-12	8.17963E-11	0.248733	hyper	sig	chr6_12749730
chr1	75132171	75132171	+	6.828E-12	8.19358E-11	0.246424	hyper	sig	chr1_75132171
chr15	28107201	28107201	+	6.845E-12	8.21298E-11	0.201883	hyper	sig	chr15_28107201
chr10	26211792	26211792	+	6.854E-12	8.22328E-11	0.20259	hyper	sig	chr10_26211792
chr16	87067278	87067278	+	6.859E-12	8.22918E-11	-0.20778	hypo	sig	chr16_87067278
chr7	32431794	32431794	+	6.868E-12	8.23948E-11	-0.3064	hypo	sig	chr7_32431794
chr10	1.17E+08	117132090	+	6.873E-12	8.24463E-11	0.219534	hyper	sig	chr10_117132090
chr22	20438298	20438298	+	6.874E-12	8.24669E-11	0.223504	hyper	sig	chr22_20438298
chr19	58033748	58033748	+	6.883E-12	8.25614E-11	0.218379	hyper	sig	chr19_58033748
chr4	1.9E+08	190017868	+	6.923E-12	8.30302E-11	0.227563	hyper	sig	chr4_190017868
chr19	53521392	53521392	+	6.928E-12	8.30873E-11	0.200033	hyper	sig	chr19_53521392
chr10	19968608	19968608	+	6.931E-12	8.31278E-11	-0.27088	hypo	sig	chr10_19968608
chr11	1343991	1343991	+	6.933E-12	8.31468E-11	-0.22334	hypo	sig	chr11_1343991
chr2	1.75E+08	174678506	+	6.939E-12	8.32144E-11	-0.22602	hypo	sig	chr2_174678506
chr6	10384960	10384960	+	6.942E-12	8.32522E-11	0.215035	hyper	sig	chr6_10384960
chr3	1.84E+08	184491471	+	7.013E-12	8.4073E-11	0.238457	hyper	sig	chr3_184491471
chr20	38674300	38674300	+	7.017E-12	8.41196E-11	0.225057	hyper	sig	chr20_38674300
chr1	2.48E+08	247549367	+	7.04E-12	8.43823E-11	-0.20465	hypo	sig	chr1_247549367
chr5	1.42E+08	141512731	+	7.041E-12	8.43878E-11	0.221006	hyper	sig	chr5_141512731
chr19	53942689	53942689	+	7.046E-12	8.44475E-11	0.275832	hyper	sig	chr19_53942689
chr12	1.04E+08	104303877	+	7.1E-12	8.50701E-11	0.250947	hyper	sig	chr12_104303877
chr1	2.47E+08	247079741	+	7.106E-12	8.51396E-11	-0.2037	hypo	sig	chr1_247079741
chr5	1258879	1258879	+	7.122E-12	8.53273E-11	-0.21574	hypo	sig	chr5_1258879
chr13	1.12E+08	112053428	+	7.126E-12	8.53688E-11	0.202759	hyper	sig	chr13_112053428
chr16	54290227	54290227	+	7.138E-12	8.55027E-11	0.202203	hyper	sig	chr16_54290227
chr6	1.51E+08	151340779	+	7.141E-12	8.55396E-11	-0.203	hypo	sig	chr6_151340779
chr11	1.28E+08	127941989	+	7.144E-12	8.55768E-11	-0.22621	hypo	sig	chr11_127941989
chr19	39924583	39924583	+	7.172E-12	8.59068E-11	-0.21621	hypo	sig	chr19_39924583
chr12	49903737	49903737	+	7.184E-12	8.60424E-11	0.217878	hyper	sig	chr12_49903737
chr11	8169205	8169205	+	7.192E-12	8.61331E-11	0.202695	hyper	sig	chr11_8169205
chr8	38974754	38974754	+	7.199E-12	8.62217E-11	0.203909	hyper	sig	chr8_38974754
chr12	51824601	51824601	+	7.204E-12	8.62776E-11	-0.20241	hypo	sig	chr12_51824601
chr2	1.19E+08	118853525	+	7.209E-12	8.63276E-11	0.215474	hyper	sig	chr2_118853525
chr2	1.9E+08	189582087	+	7.233E-12	8.66102E-11	-0.22311	hypo	sig	chr2_189582087
chr7	1.01E+08	101303511	+	7.233E-12	8.6611E-11	0.243642	hyper	sig	chr7_101303511
chr8	56446409	56446409	+	7.235E-12	8.66359E-11	0.262048	hyper	sig	chr8_56446409
chr17	79134260	79134260	+	7.239E-12	8.66716E-11	-0.20779	hypo	sig	chr17_79134260
chr19	8046498	8046498	+	7.244E-12	8.67284E-11	-0.24406	hypo	sig	chr19_8046498
chr6	89885303	89885303	+	7.244E-12	8.67338E-11	-0.20782	hypo	sig	chr6_89885303
chr5	93587993	93587993	+	7.249E-12	8.679E-11	0.209013	hyper	sig	chr5_93587993
chr1	39515768	39515768	+	7.257E-12	8.68818E-11	0.22762	hyper	sig	chr1_39515768
chr8	17413880	17413880	+	7.27E-12	8.70284E-11	0.206802	hyper	sig	chr8_17413880
chr12	48198950	48198950	+	7.272E-12	8.70559E-11	0.207755	hyper	sig	chr12_48198950

chr12	53193837	53193837	+	7.274E-12	8.70744E-11	-0.22214	hypo	sig	chr12_53193837
chr5	3605973	3605973	+	7.291E-12	8.72715E-11	0.217734	hyper	sig	chr5_3605973
chr13	1.14E+08	113668746	+	7.303E-12	8.74049E-11	-0.20265	hypo	sig	chr13_113668746
chr3	1.2E+08	120285417	+	7.308E-12	8.74715E-11	0.219528	hyper	sig	chr3_120285417
chr6	34430245	34430245	+	7.323E-12	8.76354E-11	-0.25561	hypo	sig	chr6_34430245
chr17	50585422	50585422	+	7.324E-12	8.76414E-11	-0.21165	hypo	sig	chr17_50585422
chr5	1.68E+08	168302518	+	7.328E-12	8.76936E-11	-0.22097	hypo	sig	chr5_168302518
chr7	1.28E+08	127589203	+	7.334E-12	8.77616E-11	0.261186	hyper	sig	chr7_127589203
chr22	50028128	50028128	+	7.335E-12	8.7776E-11	-0.24734	hypo	sig	chr22_50028128
chr14	1.06E+08	105527449	+	7.345E-12	8.7893E-11	0.204147	hyper	sig	chr14_105527449
chr18	12911441	12911441	+	7.349E-12	8.79312E-11	0.212729	hyper	sig	chr18_12911441
chr19	13014155	13014155	+	7.364E-12	8.81084E-11	0.244488	hyper	sig	chr19_13014155
chr18	52340124	52340124	+	7.386E-12	8.83649E-11	0.215566	hyper	sig	chr18_52340124
chr11	7077241	7077241	+	7.417E-12	8.87219E-11	-0.21092	hypo	sig	chr11_7077241
chr18	59220459	59220459	+	7.418E-12	8.87293E-11	0.217225	hyper	sig	chr18_59220459
chr8	47998076	47998076	+	7.421E-12	8.87621E-11	-0.24715	hypo	sig	chr8_47998076
chr14	71933466	71933466	+	7.425E-12	8.8814E-11	0.203238	hyper	sig	chr14_71933466
chr9	1.38E+08	137921424	+	7.473E-12	8.93663E-11	-0.20606	hypo	sig	chr9_137921424
chr1	90720181	90720181	+	7.484E-12	8.94903E-11	0.237086	hyper	sig	chr1_90720181
chr11	63680857	63680857	+	7.485E-12	8.95031E-11	-0.22639	hypo	sig	chr11_63680857
chr7	4960651	4960651	+	7.5E-12	8.96748E-11	-0.22122	hypo	sig	chr7_4960651
chr11	49098575	49098575	+	7.5E-12	8.96796E-11	-0.21001	hypo	sig	chr11_49098575
chr21	36696969	36696969	+	7.519E-12	8.98925E-11	0.237247	hyper	sig	chr21_36696969
chr2	3059330	3059330	+	7.524E-12	8.99518E-11	-0.20332	hypo	sig	chr2_3059330
chr4	1.75E+08	175428604	+	7.53E-12	9.00178E-11	-0.269	hypo	sig	chr4_175428604
chr1	1.47E+08	147073326	+	7.556E-12	9.03292E-11	0.205993	hyper	sig	chr1_147073326
chr5	77638552	77638552	+	7.559E-12	9.03622E-11	0.214105	hyper	sig	chr5_77638552
chr20	16574491	16574491	+	7.562E-12	9.03933E-11	-0.28674	hypo	sig	chr20_16574491
chr19	13506277	13506277	+	7.573E-12	9.05135E-11	0.220592	hyper	sig	chr19_13506277
chr1	1.47E+08	147079677	+	7.604E-12	9.08778E-11	0.279931	hyper	sig	chr1_147079677
chr1	35577789	35577789	+	7.628E-12	9.11524E-11	0.214216	hyper	sig	chr1_35577789
chr12	4809108	4809108	+	7.708E-12	9.20804E-11	0.222074	hyper	sig	chr12_4809108
chr8	1.09E+08	108786918	+	7.725E-12	9.2285E-11	0.248269	hyper	sig	chr8_108786918
chr12	1.14E+08	114414464	+	7.736E-12	9.24063E-11	0.227337	hyper	sig	chr12_114414464
chr11	31826040	31826040	+	7.747E-12	9.25287E-11	0.248994	hyper	sig	chr11_31826040
chr16	69324725	69324725	+	7.782E-12	9.29296E-11	-0.20217	hypo	sig	chr16_69324725
chr2	1.05E+08	104845880	+	7.782E-12	9.29296E-11	0.219877	hyper	sig	chr2_104845880
chr1	2.02E+08	201603031	+	7.796E-12	9.30975E-11	-0.20126	hypo	sig	chr1_201603031
chr4	15615163	15615163	+	7.823E-12	9.34003E-11	0.23847	hyper	sig	chr4_15615163
chr2	2.42E+08	241834257	+	7.84E-12	9.36045E-11	-0.22523	hypo	sig	chr2_241834257
chr16	54290635	54290635	+	7.845E-12	9.36508E-11	0.279344	hyper	sig	chr16_54290635
chr12	6887694	6887694	+	7.884E-12	9.41082E-11	-0.26773	hypo	sig	chr12_6887694
chr19	3881279	3881279	+	7.948E-12	9.48414E-11	0.213746	hyper	sig	chr19_3881279
chr10	52778583	52778583	+	7.988E-12	9.52889E-11	0.221826	hyper	sig	chr10_52778583
chr4	44446452	44446452	+	8.046E-12	9.59744E-11	0.236045	hyper	sig	chr4_44446452
chr14	36654700	36654700	+	8.048E-12	9.59974E-11	0.245824	hyper	sig	chr14_36654700
chr11	1.13E+08	112963744	+	8.051E-12	9.60242E-11	0.223313	hyper	sig	chr11_112963744
chr12	1.17E+08	117189527	+	8.068E-12	9.62222E-11	0.20392	hyper	sig	chr12_117189527
chr22	27804575	27804575	+	8.072E-12	9.62723E-11	-0.20029	hypo	sig	chr22_27804575
chr1	92480534	92480534	+	8.078E-12	9.63408E-11	0.207408	hyper	sig	chr1_92480534
chr19	4277394	4277394	+	8.114E-12	9.67556E-11	-0.2272	hypo	sig	chr19_4277394
chr7	4822786	4822786	+	8.124E-12	9.68717E-11	-0.22263	hypo	sig	chr7_4822786
chr14	37599100	37599100	+	8.134E-12	9.69837E-11	0.217498	hyper	sig	chr14_37599100
chr4	1.47E+08	146637430	+	8.158E-12	9.72673E-11	0.226012	hyper	sig	chr4_146637430
chr16	66843035	66843035	+	8.17E-12	9.73967E-11	-0.21326	hypo	sig	chr16_66843035
chr17	3529863	3529863	+	8.186E-12	9.75758E-11	-0.24867	hypo	sig	chr17_3529863

chr20	46011728	46011728	+	8.221E-12	9.79739E-11	0.231739	hyper	sig	chr20_46011728
chr1	2251911	2251911	+	8.238E-12	9.81697E-11	-0.20927	hypo	sig	chr1_2251911
chr7	29802457	29802457	+	8.245E-12	9.82515E-11	-0.22894	hypo	sig	chr7_29802457
chr1	1.54E+08	154323748	+	8.287E-12	9.8732E-11	-0.22919	hypo	sig	chr1_154323748
chr10	84224605	84224605	+	8.29E-12	9.87756E-11	-0.2215	hypo	sig	chr10_84224605
chr5	1.33E+08	132655799	+	8.311E-12	9.90068E-11	-0.24341	hypo	sig	chr5_132655799
chr1	4724562	4724562	+	8.322E-12	9.91274E-11	-0.25799	hypo	sig	chr1_4724562
chr5	1.36E+08	135539864	+	8.373E-12	9.97217E-11	-0.20199	hypo	sig	chr5_135539864
chr12	48184783	48184783	+	8.384E-12	9.98448E-11	0.21846	hyper	sig	chr12_48184783
chr11	94401155	94401155	+	8.386E-12	9.98699E-11	0.231816	hyper	sig	chr11_94401155
chr5	77638495	77638495	+	8.402E-12	1.00046E-10	0.213569	hyper	sig	chr5_77638495
chr11	1.29E+08	128824506	+	8.436E-12	1.00428E-10	0.242893	hyper	sig	chr11_128824506
chr6	33080794	33080794	+	8.436E-12	1.00431E-10	0.204977	hyper	sig	chr6_33080794
chr1	3037758	3037758	+	8.44E-12	1.00477E-10	-0.24095	hypo	sig	chr1_3037758
chr19	9498746	9498746	+	8.442E-12	1.00501E-10	0.239357	hyper	sig	chr19_9498746
chr10	1.19E+08	118595851	+	8.443E-12	1.00506E-10	0.225174	hyper	sig	chr10_118595851
chr2	1.05E+08	104871839	+	8.459E-12	1.00691E-10	0.21787	hyper	sig	chr2_104871839
chr3	1.84E+08	184492468	+	8.469E-12	1.00809E-10	0.223109	hyper	sig	chr3_184492468
chr4	56656635	56656635	+	8.475E-12	1.00877E-10	0.226312	hyper	sig	chr4_56656635
chr11	1.13E+08	113272885	+	8.482E-12	1.00957E-10	-0.21771	hypo	sig	chr11_113272885
chr9	11413	11413	+	8.485E-12	1.0098E-10	-0.22974	hypo	sig	chr9_11413
chr1	1.97E+08	196808910	+	8.487E-12	1.01002E-10	-0.21861	hypo	sig	chr1_196808910
chr4	1.74E+08	173538102	+	8.495E-12	1.01094E-10	0.220696	hyper	sig	chr4_173538102
chr7	1.54E+08	153886478	+	8.53E-12	1.0149E-10	0.219712	hyper	sig	chr7_153886478
chr19	56765402	56765402	+	8.539E-12	1.01595E-10	0.206815	hyper	sig	chr19_56765402
chr11	63999655	63999655	+	8.562E-12	1.0186E-10	0.241312	hyper	sig	chr11_63999655
chr7	1620923	1620923	+	8.565E-12	1.01884E-10	-0.20602	hypo	sig	chr7_1620923
chr6	1E+08	100467976	+	8.6E-12	1.02288E-10	0.214242	hyper	sig	chr6_100467976
chr8	1.42E+08	141622370	+	8.618E-12	1.02495E-10	-0.25165	hypo	sig	chr8_141622370
chr3	1.72E+08	172448024	+	8.626E-12	1.02596E-10	0.252729	hyper	sig	chr3_172448024
chr1	1460605	1460605	+	8.659E-12	1.02967E-10	-0.21228	hypo	sig	chr1_1460605
chr13	1.1E+08	110445419	+	8.667E-12	1.03061E-10	-0.21404	hypo	sig	chr13_110445419
chr11	20160709	20160709	+	8.687E-12	1.03287E-10	0.207613	hyper	sig	chr11_20160709
chr6	32754703	32754703	+	8.69E-12	1.03322E-10	-0.22519	hypo	sig	chr6_32754703
chr12	66188948	66188948	+	8.695E-12	1.0338E-10	0.215687	hyper	sig	chr12_66188948
chr4	80207534	80207534	+	8.717E-12	1.03633E-10	0.20772	hyper	sig	chr4_80207534
chr7	1.51E+08	151412868	+	8.717E-12	1.03633E-10	-0.26841	hypo	sig	chr7_151412868
chr4	1.54E+08	153759688	+	8.724E-12	1.03706E-10	0.201208	hyper	sig	chr4_153759688
chr5	77638491	77638491	+	8.727E-12	1.03737E-10	0.208981	hyper	sig	chr5_77638491
chr8	1.25E+08	125000192	+	8.749E-12	1.0399E-10	-0.25	hypo	sig	chr8_125000192
chr13	30803487	30803487	+	8.749E-12	1.0399E-10	-0.21583	hypo	sig	chr13_30803487
chr6	32070970	32070970	+	8.771E-12	1.04236E-10	-0.2215	hypo	sig	chr6_32070970
chr13	1.12E+08	112068904	+	8.799E-12	1.04552E-10	0.200269	hyper	sig	chr13_112068904
chr4	2066634	2066634	+	8.81E-12	1.04678E-10	-0.24378	hypo	sig	chr4_2066634
chr14	85529449	85529449	+	8.818E-12	1.04772E-10	0.264907	hyper	sig	chr14_85529449
chr17	49884741	49884741	+	8.824E-12	1.04831E-10	-0.28307	hypo	sig	chr17_49884741
chr16	88100748	88100748	+	8.833E-12	1.04942E-10	0.202694	hyper	sig	chr16_88100748
chr20	21703781	21703781	+	8.863E-12	1.05282E-10	0.224229	hyper	sig	chr20_21703781
chr4	80185492	80185492	+	8.864E-12	1.05289E-10	0.204606	hyper	sig	chr4_80185492
chr6	32201133	32201133	+	8.88E-12	1.05477E-10	-0.2117	hypo	sig	chr6_32201133
chr5	1.76E+08	175655305	+	8.885E-12	1.05533E-10	-0.27652	hypo	sig	chr5_175655305
chr13	1.13E+08	112638390	+	8.895E-12	1.05645E-10	-0.21408	hypo	sig	chr13_112638390
chr22	20297081	20297081	+	8.908E-12	1.05797E-10	-0.20674	hypo	sig	chr22_20297081
chr1	16227907	16227907	+	8.913E-12	1.05849E-10	0.207363	hyper	sig	chr1_16227907
chr17	76568739	76568739	+	8.924E-12	1.05976E-10	-0.2036	hypo	sig	chr17_76568739
chr9	1.36E+08	135521084	+	8.945E-12	1.06211E-10	-0.22261	hypo	sig	chr9_135521084

chr6	44274473	44274473	+	8.96E-12	1.06374E-10	-0.23484	hypo	sig	chr6_44274473
chr10	93066562	93066562	+	8.977E-12	1.06574E-10	0.234881	hyper	sig	chr10_93066562
chr1	2.29E+08	229407739	+	9.013E-12	1.06992E-10	0.201738	hyper	sig	chr1_229407739
chr2	492747	492747	+	9.028E-12	1.07165E-10	-0.21588	hypo	sig	chr2_492747
chr5	1.78E+08	177992381	+	9.033E-12	1.07215E-10	-0.26627	hypo	sig	chr5_177992381
chr8	56113918	56113918	+	9.048E-12	1.07386E-10	0.242122	hyper	sig	chr8_56113918
chr10	49769044	49769044	+	9.058E-12	1.07503E-10	0.28317	hyper	sig	chr10_49769044
chr11	72437919	72437919	+	9.088E-12	1.0785E-10	-0.2225	hypo	sig	chr11_72437919
chr17	45406054	45406054	+	9.091E-12	1.07883E-10	-0.2236	hypo	sig	chr17_45406054
chr16	4332300	4332300	+	9.099E-12	1.07974E-10	-0.24219	hypo	sig	chr16_4332300
chr17	48734056	48734056	+	9.101E-12	1.07993E-10	0.279884	hyper	sig	chr17_48734056
chr19	10031462	10031462	+	9.132E-12	1.08348E-10	-0.2124	hypo	sig	chr19_10031462
chr10	12128828	12128828	+	9.134E-12	1.08365E-10	-0.28592	hypo	sig	chr10_12128828
chr15	92393137	92393137	+	9.167E-12	1.08741E-10	0.231064	hyper	sig	chr15_92393137
chr4	26039533	26039533	+	9.17E-12	1.08767E-10	-0.23997	hypo	sig	chr4_26039533
chr6	10384860	10384860	+	9.17E-12	1.0877E-10	0.235402	hyper	sig	chr6_10384860
chr19	30447924	30447924	+	9.173E-12	1.08795E-10	-0.20654	hypo	sig	chr19_30447924
chr4	574526	574526	+	9.198E-12	1.09073E-10	0.206272	hyper	sig	chr4_574526
chr10	99236606	99236606	+	9.208E-12	1.09195E-10	0.261294	hyper	sig	chr10_99236606
chr7	1.17E+08	117323446	+	9.235E-12	1.09486E-10	0.206754	hyper	sig	chr7_117323446
chr15	52784609	52784609	+	9.235E-12	1.09491E-10	0.227381	hyper	sig	chr15_52784609
chr2	94878307	94878307	+	9.242E-12	1.09568E-10	-0.24541	hypo	sig	chr2_94878307
chr17	17435562	17435562	+	9.245E-12	1.09601E-10	-0.21311	hypo	sig	chr17_17435562
chr17	48581650	48581650	+	9.264E-12	1.09812E-10	-0.2386	hypo	sig	chr17_48581650
chr12	48198987	48198987	+	9.292E-12	1.10127E-10	0.232521	hyper	sig	chr12_48198987
chr5	1.51E+08	150776196	+	9.321E-12	1.10461E-10	-0.31767	hypo	sig	chr5_150776196
chr4	1.47E+08	147481027	+	9.326E-12	1.1052E-10	0.254702	hyper	sig	chr4_147481027
chr9	1.37E+08	137243176	+	9.371E-12	1.1102E-10	-0.20068	hypo	sig	chr9_137243176
chr17	49036242	49036242	+	9.384E-12	1.1117E-10	-0.21231	hypo	sig	chr17_49036242
chr11	20598717	20598717	+	9.413E-12	1.11506E-10	0.227466	hyper	sig	chr11_20598717
chr10	1.34E+08	133528068	+	9.422E-12	1.11596E-10	0.20747	hyper	sig	chr10_133528068
chr8	1.44E+08	144339098	+	9.424E-12	1.11629E-10	0.225726	hyper	sig	chr8_144339098
chr8	1.08E+08	108082297	+	9.454E-12	1.1197E-10	0.216014	hyper	sig	chr8_108082297
chr20	63792123	63792123	+	9.458E-12	1.12006E-10	-0.22728	hypo	sig	chr20_63792123
chr12	62191691	62191691	+	9.482E-12	1.12282E-10	0.200517	hyper	sig	chr12_62191691
chr5	66504231	66504231	+	9.496E-12	1.12449E-10	-0.20738	hypo	sig	chr5_66504231
chr11	1.25E+08	125489543	+	9.5E-12	1.12487E-10	-0.22121	hypo	sig	chr11_125489543
chr21	44958523	44958523	+	9.505E-12	1.12535E-10	0.230999	hyper	sig	chr21_44958523
chr12	1.19E+08	118981342	+	9.538E-12	1.12919E-10	0.232909	hyper	sig	chr12_118981342
chr11	46913139	46913139	+	9.545E-12	1.12991E-10	-0.22956	hypo	sig	chr11_46913139
chr1	1.61E+08	161259153	+	9.546E-12	1.12999E-10	0.201801	hyper	sig	chr1_161259153
chr6	10389846	10389846	+	9.555E-12	1.13103E-10	0.237886	hyper	sig	chr6_10389846
chr15	23897809	23897809	+	9.57E-12	1.13275E-10	0.201036	hyper	sig	chr15_23897809
chr1	1.19E+08	118988414	+	9.572E-12	1.13297E-10	0.21375	hyper	sig	chr1_118988414
chr1	1.13E+08	112854679	+	9.575E-12	1.13328E-10	0.224615	hyper	sig	chr1_112854679
chr16	54290211	54290211	+	9.581E-12	1.13394E-10	0.219565	hyper	sig	chr16_54290211
chr6	1.34E+08	133889556	+	9.631E-12	1.13955E-10	0.21784	hyper	sig	chr6_133889556
chr5	1.42E+08	142322824	+	9.74E-12	1.15204E-10	-0.21229	hypo	sig	chr5_142322824
chr20	63682506	63682506	+	9.764E-12	1.15468E-10	-0.24631	hypo	sig	chr20_63682506
chr16	49277678	49277678	+	9.771E-12	1.15547E-10	0.226011	hyper	sig	chr16_49277678
chr10	89833423	89833423	+	9.796E-12	1.15837E-10	-0.20961	hypo	sig	chr10_89833423
chr7	1.38E+08	137845264	+	9.811E-12	1.16003E-10	-0.21504	hypo	sig	chr7_137845264
chr14	81668952	81668952	+	9.821E-12	1.16108E-10	-0.21596	hypo	sig	chr14_81668952
chr2	23917063	23917063	+	9.826E-12	1.16168E-10	-0.25361	hypo	sig	chr2_23917063
chr5	38846865	38846865	+	9.84E-12	1.16319E-10	0.205556	hyper	sig	chr5_38846865
chr5	32712856	32712856	+	9.867E-12	1.16623E-10	0.213542	hyper	sig	chr5_32712856

chr16	54291246	54291246	+	9.867E-12	1.16624E-10	0.222857	hyper	sig	chr16_54291246
chr4	912017	912017	+	9.879E-12	1.1676E-10	-0.23125	hypo	sig	chr4_912017
chr10	1.01E+08	101313584	+	9.886E-12	1.16843E-10	-0.29356	hypo	sig	chr10_101313584
chr3	1.25E+08	125059632	+	9.886E-12	1.16846E-10	-0.25958	hypo	sig	chr3_125059632
chr19	51026372	51026372	+	9.893E-12	1.16922E-10	-0.32464	hypo	sig	chr19_51026372
chr12	1.13E+08	113464985	+	9.908E-12	1.17096E-10	0.208856	hyper	sig	chr12_113464985
chr10	13891494	13891494	+	9.913E-12	1.17149E-10	0.202099	hyper	sig	chr10_13891494
chr11	5930019	5930019	+	9.915E-12	1.17171E-10	-0.24078	hypo	sig	chr11_5930019
chr7	64993255	64993255	+	9.953E-12	1.17594E-10	0.231922	hyper	sig	chr7_64993255
chr10	1.21E+08	120950249	+	9.961E-12	1.17689E-10	0.227404	hyper	sig	chr10_120950249
chr2	1.76E+08	176081206	+	9.972E-12	1.17814E-10	0.20073	hyper	sig	chr2_176081206
chr17	39198554	39198554	+	9.973E-12	1.17819E-10	-0.22704	hypo	sig	chr17_39198554
chr8	23705585	23705585	+	1E-11	1.18188E-10	0.259456	hyper	sig	chr8_23705585
chr4	17782288	17782288	+	1.002E-11	1.18391E-10	0.201716	hyper	sig	chr4_17782288
chr19	45385557	45385557	+	1.005E-11	1.18735E-10	0.237784	hyper	sig	chr19_45385557
chr1	2.1E+08	209937712	+	1.011E-11	1.19398E-10	0.201753	hyper	sig	chr1_209937712
chr16	1299405	1299405	+	1.014E-11	1.19734E-10	-0.21247	hypo	sig	chr16_1299405
chr6	1.61E+08	160679636	+	1.015E-11	1.19862E-10	0.236717	hyper	sig	chr6_160679636
chr7	1.58E+08	157867583	+	1.016E-11	1.19954E-10	-0.23219	hypo	sig	chr7_157867583
chr20	1391226	1391226	+	1.018E-11	1.20132E-10	0.252801	hyper	sig	chr20_1391226
chr14	73234125	73234125	+	1.018E-11	1.20202E-10	-0.23571	hypo	sig	chr14_73234125
chr20	46011701	46011701	+	1.021E-11	1.20538E-10	0.232473	hyper	sig	chr20_46011701
chr1	90720192	90720192	+	1.023E-11	1.20793E-10	0.241214	hyper	sig	chr1_90720192
chr15	92393134	92393134	+	1.024E-11	1.20893E-10	0.22217	hyper	sig	chr15_92393134
chr19	34905271	34905271	+	1.025E-11	1.20996E-10	0.266597	hyper	sig	chr19_34905271
chr17	8003611	8003611	+	1.026E-11	1.21076E-10	0.256517	hyper	sig	chr17_8003611
chr19	6659970	6659970	+	1.027E-11	1.21158E-10	0.202435	hyper	sig	chr19_6659970
chr1	21591058	21591058	+	1.028E-11	1.21262E-10	-0.22218	hypo	sig	chr1_21591058
chr12	1.31E+08	131474482	+	1.028E-11	1.21305E-10	-0.2008	hypo	sig	chr12_131474482
chr1	1457026	1457026	+	1.029E-11	1.21444E-10	-0.21459	hypo	sig	chr1_1457026
chr19	37855431	37855431	+	1.031E-11	1.21652E-10	0.334764	hyper	sig	chr19_37855431
chr6	1.53E+08	152634911	+	1.031E-11	1.2169E-10	-0.24146	hypo	sig	chr6_152634911
chr11	1929225	1929225	+	1.032E-11	1.21766E-10	-0.23824	hypo	sig	chr11_1929225
chr1	2.48E+08	247549058	+	1.036E-11	1.22166E-10	-0.25903	hypo	sig	chr1_247549058
chr22	20297120	20297120	+	1.037E-11	1.22265E-10	-0.23787	hypo	sig	chr22_20297120
chr8	64373357	64373357	+	1.039E-11	1.22562E-10	0.239095	hyper	sig	chr8_64373357
chr5	1.54E+08	154191309	+	1.041E-11	1.22713E-10	-0.21456	hypo	sig	chr5_154191309
chr2	20106764	20106764	+	1.045E-11	1.23263E-10	0.221906	hyper	sig	chr2_20106764
chr14	28759764	28759764	+	1.047E-11	1.23465E-10	0.269612	hyper	sig	chr14_28759764
chr3	79767251	79767251	+	1.049E-11	1.2367E-10	0.220872	hyper	sig	chr3_79767251
chr9	27342124	27342124	+	1.051E-11	1.23903E-10	-0.2169	hypo	sig	chr9_27342124
chr3	1.88E+08	187669729	+	1.055E-11	1.24396E-10	0.218196	hyper	sig	chr3_187669729
chr12	1.31E+08	131006036	+	1.056E-11	1.24466E-10	-0.2198	hypo	sig	chr12_131006036
chr19	17026380	17026380	+	1.056E-11	1.2447E-10	0.222262	hyper	sig	chr19_17026380
chr13	94707761	94707761	+	1.057E-11	1.24622E-10	0.219635	hyper	sig	chr13_94707761
chr13	21263971	21263971	+	1.058E-11	1.24686E-10	-0.23481	hypo	sig	chr13_21263971
chr10	1.05E+08	104641533	+	1.062E-11	1.25083E-10	0.203208	hyper	sig	chr10_104641533
chr4	1.47E+08	146633024	+	1.065E-11	1.25528E-10	0.23491	hyper	sig	chr4_146633024
chr14	95061349	95061349	+	1.067E-11	1.25663E-10	-0.24049	hypo	sig	chr14_95061349
chr3	46744704	46744704	+	1.067E-11	1.25668E-10	-0.22161	hypo	sig	chr3_46744704
chr11	1.34E+08	134282106	+	1.068E-11	1.25792E-10	-0.21642	hypo	sig	chr11_134282106
chr16	54932787	54932787	+	1.071E-11	1.26133E-10	0.248988	hyper	sig	chr16_54932787
chr17	40376071	40376071	+	1.071E-11	1.26211E-10	-0.2803	hypo	sig	chr17_40376071
chr11	1085513	1085513	+	1.073E-11	1.26373E-10	-0.20241	hypo	sig	chr11_1085513
chr10	1.03E+08	103470903	+	1.074E-11	1.26476E-10	-0.2247	hypo	sig	chr10_103470903
chr16	89078153	89078153	+	1.079E-11	1.27024E-10	-0.22838	hypo	sig	chr16_89078153

chr1	7784682	7784682	+	1.081E-11	1.27344E-10	0.234443	hyper	sig	chr1_7784682
chr5	63961193	63961193	+	1.085E-11	1.27787E-10	0.239708	hyper	sig	chr5_63961193
chr22	30666299	30666299	+	1.09E-11	1.28278E-10	-0.21878	hypo	sig	chr22_30666299
chr16	62034769	62034769	+	1.094E-11	1.28764E-10	0.237503	hyper	sig	chr16_62034769
chr5	31639759	31639759	+	1.095E-11	1.2882E-10	0.238656	hyper	sig	chr5_31639759
chr2	1.72E+08	172427099	+	1.095E-11	1.28909E-10	-0.21638	hypo	sig	chr2_172427099
chr1	27399771	27399771	+	1.096E-11	1.29009E-10	-0.20235	hypo	sig	chr1_27399771
chr13	35470768	35470768	+	1.099E-11	1.29374E-10	0.222466	hyper	sig	chr13_35470768
chr16	7304349	7304349	+	1.101E-11	1.29577E-10	0.251713	hyper	sig	chr16_7304349
chr20	21699205	21699205	+	1.102E-11	1.29699E-10	0.200914	hyper	sig	chr20_21699205
chr6	10385080	10385080	+	1.104E-11	1.29908E-10	0.227929	hyper	sig	chr6_10385080
chr7	76285609	76285609	+	1.105E-11	1.30029E-10	-0.22421	hypo	sig	chr7_76285609
chr19	45472720	45472720	+	1.107E-11	1.30232E-10	0.201209	hyper	sig	chr19_45472720
chr19	51601195	51601195	+	1.109E-11	1.30411E-10	0.25573	hyper	sig	chr19_51601195
chr3	42265533	42265533	+	1.11E-11	1.30578E-10	0.294086	hyper	sig	chr3_42265533
chr2	1.13E+08	113291466	+	1.111E-11	1.30656E-10	0.221143	hyper	sig	chr2_113291466
chr10	43790416	43790416	+	1.118E-11	1.31478E-10	-0.20665	hypo	sig	chr10_43790416
chr1	47440540	47440540	+	1.123E-11	1.3205E-10	0.214985	hyper	sig	chr1_47440540
chr1	78490741	78490741	+	1.127E-11	1.32453E-10	0.218217	hyper	sig	chr1_78490741
chr1	1986472	1986472	+	1.127E-11	1.32525E-10	-0.2081	hypo	sig	chr1_1986472
chr11	1.02E+08	101582383	+	1.13E-11	1.32789E-10	0.216118	hyper	sig	chr11_101582383
chr4	1.53E+08	153248673	+	1.136E-11	1.33535E-10	-0.23183	hypo	sig	chr4_153248673
chr6	37533644	37533644	+	1.142E-11	1.34189E-10	-0.20309	hypo	sig	chr6_37533644
chr1	6093946	6093946	+	1.143E-11	1.34257E-10	-0.20701	hypo	sig	chr1_6093946
chr9	98997467	98997467	+	1.143E-11	1.34305E-10	-0.2141	hypo	sig	chr9_98997467
chr7	73425188	73425188	+	1.145E-11	1.34515E-10	-0.2167	hypo	sig	chr7_73425188
chr1	16227959	16227959	+	1.146E-11	1.34591E-10	0.232012	hyper	sig	chr1_16227959
chr10	1.34E+08	133528024	+	1.147E-11	1.34727E-10	0.201206	hyper	sig	chr10_133528024
chr16	84645317	84645317	+	1.148E-11	1.34886E-10	-0.23079	hypo	sig	chr16_84645317
chr15	96776611	96776611	+	1.148E-11	1.34908E-10	-0.20993	hypo	sig	chr15_96776611
chr16	47038475	47038475	+	1.154E-11	1.35486E-10	-0.23121	hypo	sig	chr16_47038475
chr13	1.09E+08	108925669	+	1.154E-11	1.35559E-10	-0.25189	hypo	sig	chr13_108925669
chr1	2.21E+08	220891763	+	1.156E-11	1.35801E-10	0.215041	hyper	sig	chr1_220891763
chr16	85592887	85592887	+	1.157E-11	1.35838E-10	-0.21209	hypo	sig	chr16_85592887
chr12	24839328	24839328	+	1.157E-11	1.35894E-10	0.212389	hyper	sig	chr12_24839328
chr19	740442	740442	+	1.157E-11	1.35894E-10	-0.20689	hypo	sig	chr19_740442
chr1	16227770	16227770	+	1.158E-11	1.35949E-10	0.220364	hyper	sig	chr1_16227770
chr12	1.21E+08	121092841	+	1.158E-11	1.36017E-10	0.306351	hyper	sig	chr12_121092841
chr16	88204850	88204850	+	1.161E-11	1.36331E-10	-0.20989	hypo	sig	chr16_88204850
chr10	42480187	42480187	+	1.162E-11	1.36445E-10	-0.23335	hypo	sig	chr10_42480187
chr8	11338244	11338244	+	1.164E-11	1.36646E-10	-0.23356	hypo	sig	chr8_11338244
chr13	21106478	21106478	+	1.164E-11	1.36685E-10	-0.21151	hypo	sig	chr13_21106478
chr22	37024253	37024253	+	1.165E-11	1.36776E-10	-0.22439	hypo	sig	chr22_37024253
chr11	27721646	27721646	+	1.167E-11	1.36975E-10	0.208347	hyper	sig	chr11_27721646
chr8	38770587	38770587	+	1.168E-11	1.37137E-10	0.201134	hyper	sig	chr8_38770587
chr3	1.31E+08	130517690	+	1.172E-11	1.37531E-10	0.234922	hyper	sig	chr3_130517690
chr15	95327064	95327064	+	1.173E-11	1.3768E-10	0.200245	hyper	sig	chr15_95327064
chr6	10384833	10384833	+	1.175E-11	1.37823E-10	0.243013	hyper	sig	chr6_10384833
chr10	1.05E+08	104639234	+	1.175E-11	1.37911E-10	0.201347	hyper	sig	chr10_104639234
chr4	1.17E+08	116705316	+	1.175E-11	1.37915E-10	-0.21905	hypo	sig	chr4_116705316
chr9	118097	118097	+	1.178E-11	1.38181E-10	0.2404	hyper	sig	chr9_118097
chr19	8592680	8592680	+	1.182E-11	1.38613E-10	0.22645	hyper	sig	chr19_8592680
chr7	32070299	32070299	+	1.183E-11	1.3879E-10	0.200977	hyper	sig	chr7_32070299
chr12	1.32E+08	131710377	+	1.186E-11	1.39073E-10	0.204202	hyper	sig	chr12_131710377
chr17	17474489	17474489	+	1.189E-11	1.39417E-10	-0.20488	hypo	sig	chr17_17474489
chr16	31472820	31472820	+	1.192E-11	1.39767E-10	-0.28289	hypo	sig	chr16_31472820

chr19	1304836	1304836	+	1.194E-11	1.40005E-10	-0.2131	hypo	sig	chr19_1304836
chr7	56175782	56175782	+	1.195E-11	1.40144E-10	0.248925	hyper	sig	chr7_56175782
chr19	12513607	12513607	+	1.197E-11	1.40294E-10	0.253032	hyper	sig	chr19_12513607
chr16	1256887	1256887	+	1.197E-11	1.4032E-10	-0.22112	hypo	sig	chr16_1256887
chr2	56180008	56180008	+	1.204E-11	1.41111E-10	-0.2069	hypo	sig	chr2_56180008
chr2	1.21E+08	120960118	+	1.208E-11	1.41634E-10	-0.24258	hypo	sig	chr2_120960118
chr14	99792910	99792910	+	1.208E-11	1.41646E-10	0.220903	hyper	sig	chr14_99792910
chr13	25288300	25288300	+	1.21E-11	1.41798E-10	-0.24365	hypo	sig	chr13_25288300
chr1	38476698	38476698	+	1.21E-11	1.41803E-10	0.214314	hyper	sig	chr1_38476698
chr19	53965267	53965267	+	1.216E-11	1.42534E-10	-0.22823	hypo	sig	chr19_53965267
chr19	49032026	49032026	+	1.219E-11	1.42781E-10	0.210324	hyper	sig	chr19_49032026
chr1	2.48E+08	247855514	+	1.219E-11	1.4289E-10	-0.26169	hypo	sig	chr1_247855514
chr16	85551219	85551219	+	1.22E-11	1.42982E-10	-0.22432	hypo	sig	chr16_85551219
chr16	54932798	54932798	+	1.221E-11	1.43012E-10	0.262519	hyper	sig	chr16_54932798
chr11	1643977	1643977	+	1.221E-11	1.43048E-10	-0.20747	hypo	sig	chr11_1643977
chr16	85349590	85349590	+	1.226E-11	1.43647E-10	-0.23075	hypo	sig	chr16_85349590
chr12	1.14E+08	114441297	+	1.227E-11	1.4378E-10	0.238804	hyper	sig	chr12_114441297
chr20	4761804	4761804	+	1.228E-11	1.4389E-10	-0.23142	hypo	sig	chr20_4761804
chr20	21701285	21701285	+	1.231E-11	1.44178E-10	0.210708	hyper	sig	chr20_21701285
chr3	1.43E+08	142892022	+	1.236E-11	1.44739E-10	-0.24033	hypo	sig	chr3_142892022
chr1	2.28E+08	227792314	+	1.237E-11	1.44804E-10	-0.22661	hypo	sig	chr1_227792314
chr19	3163719	3163719	+	1.237E-11	1.44829E-10	0.2224	hyper	sig	chr19_3163719
chr20	38726645	38726645	+	1.237E-11	1.44898E-10	0.231279	hyper	sig	chr20_38726645
chr19	815073	815073	+	1.239E-11	1.45029E-10	-0.21472	hypo	sig	chr19_815073
chr13	22926699	22926699	+	1.24E-11	1.45221E-10	0.250534	hyper	sig	chr13_22926699
chr19	56765346	56765346	+	1.241E-11	1.45331E-10	0.228768	hyper	sig	chr19_56765346
chr3	13072840	13072840	+	1.249E-11	1.4619E-10	0.216107	hyper	sig	chr3_13072840
chr22	35542296	35542296	+	1.25E-11	1.46323E-10	-0.25663	hypo	sig	chr22_35542296
chr7	149852	149852	+	1.251E-11	1.46377E-10	0.200585	hyper	sig	chr7_149852
chr13	22936112	22936112	+	1.253E-11	1.46629E-10	-0.22696	hypo	sig	chr13_22936112
chr12	63822162	63822162	+	1.253E-11	1.46655E-10	0.210522	hyper	sig	chr12_63822162
chr11	18209230	18209230	+	1.254E-11	1.46783E-10	0.230624	hyper	sig	chr11_18209230
chr10	1.33E+08	133036784	+	1.254E-11	1.46789E-10	-0.26039	hypo	sig	chr10_133036784
chr20	45306859	45306859	+	1.254E-11	1.46789E-10	0.206194	hyper	sig	chr20_45306859
chr11	65833332	65833332	+	1.255E-11	1.46886E-10	0.232796	hyper	sig	chr11_65833332
chr12	62191656	62191656	+	1.255E-11	1.46904E-10	0.201041	hyper	sig	chr12_62191656
chr18	48408171	48408171	+	1.257E-11	1.47117E-10	0.203118	hyper	sig	chr18_48408171
chr13	40922884	40922884	+	1.259E-11	1.47271E-10	-0.29167	hypo	sig	chr13_40922884
chr7	1574203	1574203	+	1.26E-11	1.47394E-10	-0.20162	hypo	sig	chr7_1574203
chr10	80357501	80357501	+	1.261E-11	1.47493E-10	0.213944	hyper	sig	chr10_80357501
chr11	57646928	57646928	+	1.267E-11	1.48162E-10	0.203837	hyper	sig	chr11_57646928
chr19	38792909	38792909	+	1.267E-11	1.48255E-10	-0.21018	hypo	sig	chr19_38792909
chr6	44274423	44274423	+	1.279E-11	1.49539E-10	-0.22893	hypo	sig	chr6_44274423
chr4	1.78E+08	177607414	+	1.279E-11	1.49598E-10	-0.22691	hypo	sig	chr4_177607414
chr7	226375	226375	+	1.28E-11	1.4967E-10	-0.20722	hypo	sig	chr7_226375
chr4	1.38E+08	138053177	+	1.281E-11	1.49736E-10	0.209431	hyper	sig	chr4_138053177
chr9	97077399	97077399	+	1.285E-11	1.50205E-10	0.228026	hyper	sig	chr9_97077399
chr6	10418830	10418830	+	1.285E-11	1.50217E-10	0.21723	hyper	sig	chr6_10418830
chr20	62216623	62216623	+	1.288E-11	1.50522E-10	-0.23806	hypo	sig	chr20_62216623
chr4	1.9E+08	190017853	+	1.29E-11	1.50799E-10	0.267546	hyper	sig	chr4_190017853
chr9	974820	974820	+	1.299E-11	1.51758E-10	0.250308	hyper	sig	chr9_974820
chr6	16216941	16216941	+	1.299E-11	1.51772E-10	0.244782	hyper	sig	chr6_16216941
chr2	66438290	66438290	+	1.302E-11	1.5218E-10	0.220282	hyper	sig	chr2_66438290
chr12	6172387	6172387	+	1.305E-11	1.5243E-10	-0.20549	hypo	sig	chr12_6172387
chr8	1E+08	100105802	+	1.307E-11	1.52665E-10	0.202502	hyper	sig	chr8_100105802
chr6	28865732	28865732	+	1.314E-11	1.53444E-10	-0.24019	hypo	sig	chr6_28865732

chr11	69166863	69166863	+	1.314E-11	1.53461E-10	-0.22126	hypo	sig	chr11_69166863
chr12	40106795	40106795	+	1.314E-11	1.53533E-10	-0.28532	hypo	sig	chr12_40106795
chr4	55157630	55157630	+	1.315E-11	1.53604E-10	0.202634	hyper	sig	chr4_55157630
chr11	92969487	92969487	+	1.318E-11	1.53891E-10	0.211566	hyper	sig	chr11_92969487
chr8	1.43E+08	142503161	+	1.322E-11	1.54409E-10	-0.2234	hypo	sig	chr8_142503161
chr5	63961293	63961293	+	1.324E-11	1.54588E-10	0.254512	hyper	sig	chr5_63961293
chr1	1.69E+08	169102868	+	1.325E-11	1.54757E-10	-0.2154	hypo	sig	chr1_169102868
chr4	1.47E+08	146640889	+	1.328E-11	1.55033E-10	0.296861	hyper	sig	chr4_146640889
chr11	1.34E+08	134119609	+	1.33E-11	1.55214E-10	-0.28538	hypo	sig	chr11_134119609
chr16	87278307	87278307	+	1.33E-11	1.55289E-10	-0.20915	hypo	sig	chr16_87278307
chr3	1.93E+08	192515324	+	1.331E-11	1.55434E-10	0.225514	hyper	sig	chr3_192515324
chr17	8749795	8749795	+	1.332E-11	1.55457E-10	-0.26021	hypo	sig	chr17_8749795
chr6	1.49E+08	148748769	+	1.332E-11	1.55486E-10	0.20879	hyper	sig	chr6_148748769
chr4	1.74E+08	173509892	+	1.333E-11	1.5554E-10	0.212904	hyper	sig	chr4_173509892
chr8	70066116	70066116	+	1.333E-11	1.55546E-10	-0.23658	hypo	sig	chr8_70066116
chr2	2.4E+08	240324477	+	1.333E-11	1.55578E-10	-0.21859	hypo	sig	chr2_240324477
chr2	2.42E+08	241872404	+	1.333E-11	1.55622E-10	-0.28053	hypo	sig	chr2_241872404
chr13	48319000	48319000	+	1.334E-11	1.55742E-10	0.202821	hyper	sig	chr13_48319000
chr11	47341180	47341180	+	1.336E-11	1.55914E-10	-0.20873	hypo	sig	chr11_47341180
chr5	32712878	32712878	+	1.347E-11	1.57095E-10	0.226795	hyper	sig	chr5_32712878
chr15	26965143	26965143	+	1.347E-11	1.57135E-10	-0.20457	hypo	sig	chr15_26965143
chr19	8553225	8553225	+	1.349E-11	1.57422E-10	-0.2549	hypo	sig	chr19_8553225
chr14	55441559	55441559	+	1.351E-11	1.57593E-10	-0.20466	hypo	sig	chr14_55441559
chr16	414559	414559	+	1.356E-11	1.58109E-10	-0.23543	hypo	sig	chr16_414559
chr1	2.1E+08	210312018	+	1.357E-11	1.58275E-10	-0.20862	hypo	sig	chr1_210312018
chr17	36940668	36940668	+	1.358E-11	1.58403E-10	0.219145	hyper	sig	chr17_36940668
chr7	1.58E+08	157526718	+	1.362E-11	1.58834E-10	-0.21111	hypo	sig	chr7_157526718
chr5	1.59E+08	159104386	+	1.362E-11	1.58859E-10	0.242431	hyper	sig	chr5_159104386
chr1	2.3E+08	229570518	+	1.37E-11	1.59769E-10	-0.23084	hypo	sig	chr1_229570518
chr6	29975624	29975624	+	1.371E-11	1.59826E-10	0.219216	hyper	sig	chr6_29975624
chr11	3435284	3435284	+	1.374E-11	1.60119E-10	-0.25668	hypo	sig	chr11_3435284
chr9	1.05E+08	104928516	+	1.375E-11	1.60287E-10	0.229141	hyper	sig	chr9_104928516
chr8	12011203	12011203	+	1.377E-11	1.60479E-10	-0.27067	hypo	sig	chr8_12011203
chr10	1.18E+08	117555485	+	1.378E-11	1.60573E-10	-0.20238	hypo	sig	chr10_117555485
chr15	1E+08	100373754	+	1.38E-11	1.60866E-10	0.235563	hyper	sig	chr15_100373754
chr12	57546356	57546356	+	1.381E-11	1.60885E-10	-0.22638	hypo	sig	chr12_57546356
chr17	83071209	83071209	+	1.382E-11	1.60993E-10	-0.23979	hypo	sig	chr17_83071209
chr19	1231242	1231242	+	1.383E-11	1.6113E-10	-0.21995	hypo	sig	chr19_1231242
chr6	1.08E+08	108119736	+	1.385E-11	1.61386E-10	0.271132	hyper	sig	chr6_108119736
chr1	1.98E+08	197910587	+	1.386E-11	1.61463E-10	0.204174	hyper	sig	chr1_197910587
chr1	2.29E+08	229407107	+	1.387E-11	1.6155E-10	0.254067	hyper	sig	chr1_229407107
chr12	1.17E+08	117045459	+	1.388E-11	1.61641E-10	0.229653	hyper	sig	chr12_117045459
chr11	67675244	67675244	+	1.389E-11	1.61792E-10	-0.24198	hypo	sig	chr11_67675244
chr5	1.41E+08	141370655	+	1.399E-11	1.62896E-10	0.267047	hyper	sig	chr5_141370655
chr10	42242795	42242795	+	1.399E-11	1.62911E-10	0.214947	hyper	sig	chr10_42242795
chr11	1.15E+08	115154276	+	1.406E-11	1.63696E-10	-0.22895	hypo	sig	chr11_115154276
chr1	9700240	9700240	+	1.407E-11	1.63837E-10	-0.20669	hypo	sig	chr1_9700240
chr11	1.23E+08	122981548	+	1.408E-11	1.63968E-10	0.230431	hyper	sig	chr11_122981548
chr6	1.46E+08	146434538	+	1.411E-11	1.64233E-10	0.209498	hyper	sig	chr6_146434538
chr5	1417038	1417038	+	1.412E-11	1.64342E-10	-0.22536	hypo	sig	chr5_1417038
chr1	7596468	7596468	+	1.412E-11	1.64346E-10	-0.25177	hypo	sig	chr1_7596468
chr1	1.56E+08	156431527	+	1.413E-11	1.64475E-10	0.241883	hyper	sig	chr1_156431527
chr17	79048378	79048378	+	1.413E-11	1.64492E-10	-0.2408	hypo	sig	chr17_79048378
chr9	1.1E+08	109643242	+	1.417E-11	1.64997E-10	-0.24725	hypo	sig	chr9_109643242
chr5	1.75E+08	174726422	+	1.424E-11	1.65794E-10	-0.22757	hypo	sig	chr5_174726422
chr15	65075114	65075114	+	1.426E-11	1.65939E-10	-0.24745	hypo	sig	chr15_65075114

chr7	45160719	45160719	+	1.428E-11	1.6617E-10	-0.22702	hypo	sig	chr7_45160719
chr9	1.38E+08	137510086	+	1.428E-11	1.66228E-10	-0.21613	hypo	sig	chr9_137510086
chr5	1.8E+08	180158198	+	1.432E-11	1.666E-10	-0.22913	hypo	sig	chr5_180158198
chr2	2.02E+08	201619076	+	1.435E-11	1.66991E-10	0.200806	hyper	sig	chr2_201619076
chr13	43878262	43878262	+	1.44E-11	1.67512E-10	-0.21388	hypo	sig	chr13_43878262
chr9	1.33E+08	133256050	+	1.443E-11	1.67826E-10	0.206477	hyper	sig	chr9_133256050
chr12	34218826	34218826	+	1.445E-11	1.68095E-10	0.259985	hyper	sig	chr12_34218826
chr2	1.31E+08	131034164	+	1.45E-11	1.68667E-10	-0.21632	hypo	sig	chr2_131034164
chr5	1.7E+08	170491891	+	1.453E-11	1.68974E-10	-0.20174	hypo	sig	chr5_170491891
chr5	73436190	73436190	+	1.456E-11	1.69306E-10	0.229131	hyper	sig	chr5_73436190
chr20	45105122	45105122	+	1.457E-11	1.69365E-10	-0.3036	hypo	sig	chr20_45105122
chr12	1536797	1536797	+	1.461E-11	1.69797E-10	-0.26979	hypo	sig	chr12_1536797
chr2	1.82E+08	181678577	+	1.462E-11	1.69971E-10	0.230336	hyper	sig	chr2_181678577
chr7	1158916	1158916	+	1.462E-11	1.70003E-10	-0.23249	hypo	sig	chr7_1158916
chr3	1.72E+08	172447802	+	1.463E-11	1.70108E-10	0.243302	hyper	sig	chr3_172447802
chr12	51362478	51362478	+	1.466E-11	1.70384E-10	-0.23447	hypo	sig	chr12_51362478
chr19	29093356	29093356	+	1.469E-11	1.70731E-10	-0.20303	hypo	sig	chr19_29093356
chr12	1.32E+08	132203187	+	1.469E-11	1.70788E-10	-0.20094	hypo	sig	chr12_132203187
chr16	30474250	30474250	+	1.47E-11	1.70824E-10	0.20642	hyper	sig	chr16_30474250
chr16	30474232	30474232	+	1.47E-11	1.70874E-10	0.207677	hyper	sig	chr16_30474232
chr7	6664398	6664398	+	1.473E-11	1.71202E-10	0.208928	hyper	sig	chr7_6664398
chr19	47335906	47335906	+	1.473E-11	1.71203E-10	-0.20864	hypo	sig	chr19_47335906
chr20	25081154	25081154	+	1.48E-11	1.71929E-10	0.205746	hyper	sig	chr20_25081154
chr11	77039106	77039106	+	1.48E-11	1.71961E-10	-0.34613	hypo	sig	chr11_77039106
chr22	49670192	49670192	+	1.481E-11	1.72078E-10	0.202051	hyper	sig	chr22_49670192
chr2	94998653	94998653	+	1.483E-11	1.72252E-10	0.253983	hyper	sig	chr2_94998653
chr5	1.8E+08	179975290	+	1.485E-11	1.72496E-10	-0.23774	hypo	sig	chr5_179975290
chr20	57263399	57263399	+	1.487E-11	1.72721E-10	-0.21892	hypo	sig	chr20_57263399
chr19	54102283	54102283	+	1.487E-11	1.7276E-10	-0.23604	hypo	sig	chr19_54102283
chr9	1.37E+08	136998026	+	1.488E-11	1.7289E-10	-0.216	hypo	sig	chr9_136998026
chr19	17377677	17377677	+	1.491E-11	1.73148E-10	-0.2041	hypo	sig	chr19_17377677
chr7	1.39E+08	138798048	+	1.493E-11	1.73389E-10	0.206052	hyper	sig	chr7_138798048
chr7	1.54E+08	154052819	+	1.496E-11	1.7371E-10	0.219155	hyper	sig	chr7_154052819
chr16	3951949	3951949	+	1.496E-11	1.73766E-10	-0.20043	hypo	sig	chr16_3951949
chr3	1.26E+08	126209023	+	1.498E-11	1.73971E-10	-0.20583	hypo	sig	chr3_126209023
chr17	6425810	6425810	+	1.501E-11	1.74285E-10	-0.2075	hypo	sig	chr17_6425810
chr19	1529751	1529751	+	1.503E-11	1.74588E-10	-0.24158	hypo	sig	chr19_1529751
chr2	2.28E+08	228182090	+	1.504E-11	1.74643E-10	0.212985	hyper	sig	chr2_228182090
chr7	88759014	88759014	+	1.505E-11	1.74812E-10	0.232639	hyper	sig	chr7_88759014
chr12	57622334	57622334	+	1.509E-11	1.75166E-10	-0.21976	hypo	sig	chr12_57622334
chr8	30353082	30353082	+	1.51E-11	1.75359E-10	-0.20461	hypo	sig	chr8_30353082
chr18	46337578	46337578	+	1.515E-11	1.75844E-10	-0.21866	hypo	sig	chr18_46337578
chr11	9008393	9008393	+	1.518E-11	1.76214E-10	-0.20903	hypo	sig	chr11_9008393
chr17	78475188	78475188	+	1.52E-11	1.76461E-10	-0.21771	hypo	sig	chr17_78475188
chr19	2517024	2517024	+	1.525E-11	1.76969E-10	-0.2024	hypo	sig	chr19_2517024
chr2	9463558	9463558	+	1.529E-11	1.7741E-10	-0.20822	hypo	sig	chr2_9463558
chr2	642346	642346	+	1.529E-11	1.77428E-10	-0.20841	hypo	sig	chr2_642346
chr15	52800885	52800885	+	1.53E-11	1.77587E-10	0.240803	hyper	sig	chr15_52800885
chr2	1.45E+08	144513735	+	1.53E-11	1.77606E-10	0.204689	hyper	sig	chr2_144513735
chr22	28772400	28772400	+	1.541E-11	1.78836E-10	-0.22493	hypo	sig	chr22_28772400
chr5	79069824	79069824	+	1.55E-11	1.79788E-10	0.213282	hyper	sig	chr5_79069824
chr18	12701729	12701729	+	1.551E-11	1.7992E-10	-0.20927	hypo	sig	chr18_12701729
chr11	31800060	31800060	+	1.56E-11	1.80886E-10	0.222272	hyper	sig	chr11_31800060
chr16	85892479	85892479	+	1.561E-11	1.81054E-10	-0.23211	hypo	sig	chr16_85892479
chr12	1.31E+08	130703747	+	1.564E-11	1.81359E-10	-0.23466	hypo	sig	chr12_130703747
chr11	1.29E+08	128824523	+	1.565E-11	1.81505E-10	0.264354	hyper	sig	chr11_128824523

chr6	12749749	12749749	+	1.577E-11	1.82818E-10	0.232553	hyper	sig	chr6_12749749
chr1	16227851	16227851	+	1.581E-11	1.83292E-10	0.224338	hyper	sig	chr1_16227851
chr11	72244608	72244608	+	1.582E-11	1.83369E-10	0.234405	hyper	sig	chr11_72244608
chr5	88886979	88886979	+	1.582E-11	1.83409E-10	-0.23709	hypo	sig	chr5_88886979
chr14	90253786	90253786	+	1.585E-11	1.83766E-10	-0.20894	hypo	sig	chr14_90253786
chr2	2.22E+08	222297889	+	1.588E-11	1.8406E-10	0.235156	hyper	sig	chr2_222297889
chr4	1.47E+08	147480949	+	1.588E-11	1.84083E-10	0.219197	hyper	sig	chr4_147480949
chr6	30111325	30111325	+	1.59E-11	1.84312E-10	-0.22662	hypo	sig	chr6_30111325
chr2	66439516	66439516	+	1.591E-11	1.84348E-10	0.215833	hyper	sig	chr2_66439516
chr2	1.71E+08	170821142	+	1.592E-11	1.84525E-10	0.216857	hyper	sig	chr2_170821142
chr17	79048364	79048364	+	1.594E-11	1.84725E-10	-0.26498	hypo	sig	chr17_79048364
chr6	1.28E+08	127518745	+	1.595E-11	1.84792E-10	0.21585	hyper	sig	chr6_127518745
chr3	1.7E+08	169666586	+	1.597E-11	1.85024E-10	0.227486	hyper	sig	chr3_169666586
chr22	22508161	22508161	+	1.598E-11	1.8514E-10	0.251928	hyper	sig	chr22_22508161
chr2	2.02E+08	201619228	+	1.602E-11	1.85629E-10	0.20383	hyper	sig	chr2_201619228
chr22	17117621	17117621	+	1.602E-11	1.85629E-10	-0.20455	hypo	sig	chr22_17117621
chr13	44231919	44231919	+	1.603E-11	1.85728E-10	-0.21079	hypo	sig	chr13_44231919
chr6	29975637	29975637	+	1.604E-11	1.85848E-10	0.21127	hyper	sig	chr6_29975637
chr8	1514061	1514061	+	1.604E-11	1.85852E-10	-0.21631	hypo	sig	chr8_1514061
chr1	1.8E+08	180233687	+	1.605E-11	1.85887E-10	0.22166	hyper	sig	chr1_180233687
chr22	43418187	43418187	+	1.61E-11	1.86457E-10	-0.22847	hypo	sig	chr22_43418187
chr9	1.38E+08	137510114	+	1.61E-11	1.865E-10	-0.20825	hypo	sig	chr9_137510114
chr17	44657180	44657180	+	1.618E-11	1.87365E-10	0.208291	hyper	sig	chr17_44657180
chr5	1.41E+08	141383303	+	1.618E-11	1.87391E-10	0.22239	hyper	sig	chr5_141383303
chr9	38487262	38487262	+	1.621E-11	1.87711E-10	-0.29086	hypo	sig	chr9_38487262
chr22	24774401	24774401	+	1.628E-11	1.88481E-10	-0.21382	hypo	sig	chr22_24774401
chr9	96049136	96049136	+	1.629E-11	1.88576E-10	-0.22607	hypo	sig	chr9_96049136
chr5	1.16E+08	115962331	+	1.631E-11	1.88742E-10	0.232259	hyper	sig	chr5_115962331
chr14	37622721	37622721	+	1.64E-11	1.89812E-10	0.203598	hyper	sig	chr14_37622721
chr19	22259720	22259720	+	1.64E-11	1.89814E-10	-0.24211	hypo	sig	chr19_22259720
chr5	1.7E+08	170107830	+	1.642E-11	1.89997E-10	-0.21037	hypo	sig	chr5_170107830
chr5	7851299	7851299	+	1.647E-11	1.90533E-10	0.204966	hyper	sig	chr5_7851299
chr1	1.61E+08	161238113	+	1.647E-11	1.90581E-10	-0.27185	hypo	sig	chr1_161238113
chr10	95231073	95231073	+	1.65E-11	1.90909E-10	0.203821	hyper	sig	chr10_95231073
chr1	20291901	20291901	+	1.651E-11	1.90972E-10	0.223495	hyper	sig	chr1_20291901
chr19	56671648	56671648	+	1.656E-11	1.91594E-10	0.201782	hyper	sig	chr19_56671648
chr7	31381	31381	+	1.661E-11	1.92111E-10	0.21871	hyper	sig	chr7_31381
chr19	45940474	45940474	+	1.662E-11	1.9217E-10	0.222197	hyper	sig	chr19_45940474
chr1	2.26E+08	226127194	+	1.663E-11	1.92351E-10	-0.20655	hypo	sig	chr1_226127194
chr13	1.12E+08	112194976	+	1.664E-11	1.92463E-10	-0.21092	hypo	sig	chr13_112194976
chr7	1669627	1669627	+	1.665E-11	1.92531E-10	0.216122	hyper	sig	chr7_1669627
chr19	39308349	39308349	+	1.666E-11	1.92627E-10	0.236056	hyper	sig	chr19_39308349
chr4	1407703	1407703	+	1.666E-11	1.9267E-10	0.251384	hyper	sig	chr4_1407703
chr13	23904435	23904435	+	1.669E-11	1.93E-10	-0.22182	hypo	sig	chr13_23904435
chr18	52340161	52340161	+	1.669E-11	1.93015E-10	0.206651	hyper	sig	chr18_52340161
chr6	1.08E+08	108167783	+	1.672E-11	1.93316E-10	0.208221	hyper	sig	chr6_108167783
chr17	19452337	19452337	+	1.674E-11	1.93479E-10	-0.20628	hypo	sig	chr17_19452337
chr19	16283534	16283534	+	1.679E-11	1.94044E-10	0.229698	hyper	sig	chr19_16283534
chr9	1.37E+08	137279164	+	1.682E-11	1.94411E-10	-0.205	hypo	sig	chr9_137279164
chr16	66468359	66468359	+	1.685E-11	1.94798E-10	-0.20758	hypo	sig	chr16_66468359
chr8	11074984	11074984	+	1.687E-11	1.94934E-10	-0.20982	hypo	sig	chr8_11074984
chr19	50608425	50608425	+	1.692E-11	1.95572E-10	0.244255	hyper	sig	chr19_50608425
chr17	80178594	80178594	+	1.693E-11	1.95648E-10	-0.2102	hypo	sig	chr17_80178594
chr19	38483505	38483505	+	1.697E-11	1.961E-10	-0.23633	hypo	sig	chr19_38483505
chr10	13890812	13890812	+	1.699E-11	1.96342E-10	0.206825	hyper	sig	chr10_13890812
chr1	3746820	3746820	+	1.7E-11	1.96386E-10	0.208398	hyper	sig	chr1_3746820

chr19	36605623	36605623	+	1.701E-11	1.96478E-10	0.206756	hyper	sig	chr19_36605623
chr3	1.33E+08	133393871	+	1.711E-11	1.9765E-10	-0.2235	hypo	sig	chr3_133393871
chr8	1.28E+08	127800467	+	1.711E-11	1.97651E-10	-0.25707	hypo	sig	chr8_127800467
chr7	1.29E+08	128697689	+	1.716E-11	1.98164E-10	0.233971	hyper	sig	chr7_128697689
chr4	1.74E+08	173511323	+	1.721E-11	1.98695E-10	-0.25805	hypo	sig	chr4_173511323
chr19	52493245	52493245	+	1.724E-11	1.99073E-10	0.205785	hyper	sig	chr19_52493245
chr16	1230666	1230666	+	1.726E-11	1.99277E-10	-0.20391	hypo	sig	chr16_1230666
chr2	74148399	74148399	+	1.729E-11	1.99568E-10	0.227356	hyper	sig	chr2_74148399
chr17	57045464	57045464	+	1.739E-11	2.00772E-10	0.280472	hyper	sig	chr17_57045464
chr17	48720336	48720336	+	1.75E-11	2.02E-10	0.240548	hyper	sig	chr17_48720336
chr19	2363254	2363254	+	1.752E-11	2.02129E-10	-0.25148	hypo	sig	chr19_2363254
chr12	1.13E+08	113479859	+	1.755E-11	2.02463E-10	0.202469	hyper	sig	chr12_113479859
chr2	1.27E+08	126882760	+	1.764E-11	2.03509E-10	-0.20549	hypo	sig	chr2_126882760
chr17	30920594	30920594	+	1.776E-11	2.04759E-10	-0.27724	hypo	sig	chr17_30920594
chr7	1.51E+08	150946853	+	1.777E-11	2.04969E-10	-0.22123	hypo	sig	chr7_150946853
chr5	1258872	1258872	+	1.779E-11	2.05169E-10	-0.21082	hypo	sig	chr5_1258872
chr7	1.59E+08	159058916	+	1.784E-11	2.05657E-10	-0.20418	hypo	sig	chr7_159058916
chr1	27612988	27612988	+	1.785E-11	2.05789E-10	-0.258	hypo	sig	chr1_27612988
chr16	775234	775234	+	1.79E-11	2.06363E-10	-0.24518	hypo	sig	chr16_775234
chr2	63053545	63053545	+	1.792E-11	2.06555E-10	0.221019	hyper	sig	chr2_63053545
chr8	73090617	73090617	+	1.792E-11	2.06569E-10	-0.28689	hypo	sig	chr8_73090617
chr10	28807928	28807928	+	1.798E-11	2.07241E-10	0.210038	hyper	sig	chr10_28807928
chr18	76016	76016	+	1.801E-11	2.0759E-10	0.204892	hyper	sig	chr18_76016
chr12	45051572	45051572	+	1.803E-11	2.07792E-10	0.26139	hyper	sig	chr12_45051572
chr7	1.55E+08	155071009	+	1.804E-11	2.07913E-10	0.216715	hyper	sig	chr7_155071009
chr5	1.47E+08	147480130	+	1.809E-11	2.08489E-10	-0.24529	hypo	sig	chr5_147480130
chr7	3974390	3974390	+	1.812E-11	2.08774E-10	-0.20883	hypo	sig	chr7_3974390
chr18	37253632	37253632	+	1.812E-11	2.08787E-10	0.202883	hyper	sig	chr18_37253632
chr17	5500014	5500014	+	1.815E-11	2.09061E-10	0.214628	hyper	sig	chr17_5500014
chr19	53656115	53656115	+	1.824E-11	2.10054E-10	-0.28458	hypo	sig	chr19_53656115
chr5	35890496	35890496	+	1.831E-11	2.10892E-10	-0.21069	hypo	sig	chr5_35890496
chr2	24011223	24011223	+	1.836E-11	2.11477E-10	-0.25084	hypo	sig	chr2_24011223
chr5	1.8E+08	179974436	+	1.837E-11	2.11542E-10	-0.20353	hypo	sig	chr5_179974436
chr19	15451119	15451119	+	1.839E-11	2.11697E-10	-0.23284	hypo	sig	chr19_15451119
chr2	1230526	1230526	+	1.845E-11	2.12443E-10	-0.2087	hypo	sig	chr2_1230526
chr19	16327239	16327239	+	1.849E-11	2.12825E-10	0.210559	hyper	sig	chr19_16327239
chr6	33671151	33671151	+	1.849E-11	2.12903E-10	-0.25767	hypo	sig	chr6_33671151
chr16	30474278	30474278	+	1.85E-11	2.12906E-10	0.217606	hyper	sig	chr16_30474278
chr12	50033043	50033043	+	1.85E-11	2.12976E-10	0.260474	hyper	sig	chr12_50033043
chr16	88919246	88919246	+	1.854E-11	2.13459E-10	-0.21731	hypo	sig	chr16_88919246
chr13	35478538	35478538	+	1.864E-11	2.14575E-10	0.206964	hyper	sig	chr13_35478538
chr19	9498387	9498387	+	1.866E-11	2.14731E-10	0.26683	hyper	sig	chr19_9498387
chr19	32718505	32718505	+	1.866E-11	2.14756E-10	-0.20519	hypo	sig	chr19_32718505
chr12	1.04E+08	104303853	+	1.87E-11	2.15177E-10	0.237884	hyper	sig	chr12_104303853
chr10	1.01E+08	100738633	+	1.871E-11	2.15294E-10	0.20156	hyper	sig	chr10_100738633
chr4	55793702	55793702	+	1.883E-11	2.16658E-10	0.225438	hyper	sig	chr4_55793702
chr15	50907225	50907225	+	1.883E-11	2.16673E-10	-0.23166	hypo	sig	chr15_50907225
chr12	1.1E+08	109774484	+	1.884E-11	2.16689E-10	-0.21797	hypo	sig	chr12_109774484
chr18	79751643	79751643	+	1.884E-11	2.16719E-10	-0.20451	hypo	sig	chr18_79751643
chr6	31574682	31574682	+	1.886E-11	2.16935E-10	-0.21461	hypo	sig	chr6_31574682
chr19	28794100	28794100	+	1.894E-11	2.17798E-10	0.221858	hyper	sig	chr19_28794100
chr12	1.2E+08	119594415	+	1.894E-11	2.17846E-10	0.25101	hyper	sig	chr12_119594415
chr10	1.03E+08	103479363	+	1.896E-11	2.18066E-10	-0.24931	hypo	sig	chr10_103479363
chr2	2.4E+08	239724524	+	1.899E-11	2.18351E-10	-0.23257	hypo	sig	chr2_239724524
chr16	85209582	85209582	+	1.899E-11	2.18416E-10	-0.23704	hypo	sig	chr16_85209582
chr3	1.43E+08	142964381	+	1.9E-11	2.18498E-10	0.223374	hyper	sig	chr3_142964381

chr16	563308	563308	+	1.901E-11	2.18563E-10	-0.21368	hypo	sig	chr16_563308
chr16	55330796	55330796	+	1.901E-11	2.18574E-10	0.256987	hyper	sig	chr16_55330796
chr8	11799226	11799226	+	1.907E-11	2.19205E-10	-0.24704	hypo	sig	chr8_11799226
chr17	44969562	44969562	+	1.909E-11	2.19433E-10	0.241624	hyper	sig	chr17_44969562
chr12	96489958	96489958	+	1.911E-11	2.19695E-10	0.300624	hyper	sig	chr12_96489958
chr1	1.57E+08	156647115	+	1.914E-11	2.20025E-10	0.204447	hyper	sig	chr1_156647115
chr1	12540322	12540322	+	1.923E-11	2.21046E-10	-0.24698	hypo	sig	chr1_12540322
chr16	89569822	89569822	+	1.923E-11	2.21059E-10	-0.24834	hypo	sig	chr16_89569822
chr19	45472601	45472601	+	1.924E-11	2.211E-10	0.201214	hyper	sig	chr19_45472601
chr6	40595981	40595981	+	1.925E-11	2.21253E-10	-0.25461	hypo	sig	chr6_40595981
chr4	7190165	7190165	+	1.929E-11	2.21656E-10	-0.22132	hypo	sig	chr4_7190165
chr2	2.02E+08	201619197	+	1.93E-11	2.21797E-10	0.221176	hyper	sig	chr2_201619197
chr14	76131481	76131481	+	1.932E-11	2.21995E-10	0.214279	hyper	sig	chr14_76131481
chr19	19540219	19540219	+	1.936E-11	2.22505E-10	0.201553	hyper	sig	chr19_19540219
chr19	17537021	17537021	+	1.938E-11	2.22684E-10	-0.2187	hypo	sig	chr19_17537021
chr20	30316225	30316225	+	1.939E-11	2.22817E-10	0.200146	hyper	sig	chr20_30316225
chr6	10389852	10389852	+	1.947E-11	2.23638E-10	0.238934	hyper	sig	chr6_10389852
chr15	26965243	26965243	+	1.948E-11	2.23797E-10	-0.25884	hypo	sig	chr15_26965243
chr7	1.53E+08	152924950	+	1.964E-11	2.25505E-10	0.211082	hyper	sig	chr7_152924950
chr5	53485111	53485111	+	1.975E-11	2.26745E-10	-0.20226	hypo	sig	chr5_53485111
chr15	74749045	74749045	+	1.975E-11	2.26791E-10	-0.20042	hypo	sig	chr15_74749045
chr13	27918822	27918822	+	1.976E-11	2.26842E-10	0.201893	hyper	sig	chr13_27918822
chr20	25081145	25081145	+	1.977E-11	2.26916E-10	0.200295	hyper	sig	chr20_25081145
chr1	1.97E+08	197355658	+	1.98E-11	2.27273E-10	-0.20241	hypo	sig	chr1_197355658
chr11	20601048	20601048	+	1.99E-11	2.28368E-10	0.214824	hyper	sig	chr11_20601048
chr17	78904656	78904656	+	1.992E-11	2.28635E-10	-0.20684	hypo	sig	chr17_78904656
chr11	49058961	49058961	+	1.993E-11	2.28715E-10	-0.22705	hypo	sig	chr11_49058961
chr10	1.19E+08	118595943	+	1.994E-11	2.28788E-10	0.282841	hyper	sig	chr10_118595943
chr19	2511182	2511182	+	1.994E-11	2.28789E-10	-0.24398	hypo	sig	chr19_2511182
chr1	1430818	1430818	+	1.995E-11	2.28959E-10	-0.25518	hypo	sig	chr1_1430818
chr19	53037690	53037690	+	1.997E-11	2.29171E-10	0.200514	hyper	sig	chr19_53037690
chr16	84302405	84302405	+	2.003E-11	2.29786E-10	-0.21948	hypo	sig	chr16_84302405
chr4	11428065	11428065	+	2.005E-11	2.30068E-10	0.284883	hyper	sig	chr4_11428065
chr10	70691745	70691745	+	2.011E-11	2.30647E-10	-0.21022	hypo	sig	chr10_70691745
chr19	55452674	55452674	+	2.014E-11	2.31029E-10	0.260584	hyper	sig	chr19_55452674
chr3	13282221	13282221	+	2.019E-11	2.31591E-10	0.270037	hyper	sig	chr3_13282221
chr2	20669709	20669709	+	2.035E-11	2.33315E-10	0.232768	hyper	sig	chr2_20669709
chr17	78460254	78460254	+	2.037E-11	2.33545E-10	-0.21099	hypo	sig	chr17_78460254
chr19	38869752	38869752	+	2.043E-11	2.34168E-10	0.233711	hyper	sig	chr19_38869752
chr19	41838059	41838059	+	2.047E-11	2.34669E-10	-0.26721	hypo	sig	chr19_41838059
chr1	18600058	18600058	+	2.059E-11	2.35918E-10	-0.23772	hypo	sig	chr1_18600058
chr8	9679769	9679769	+	2.059E-11	2.35993E-10	-0.24091	hypo	sig	chr8_9679769
chr3	1.28E+08	128493415	+	2.061E-11	2.3617E-10	0.206445	hyper	sig	chr3_128493415
chr19	45905309	45905309	+	2.062E-11	2.36296E-10	-0.20408	hypo	sig	chr19_45905309
chr19	45253678	45253678	+	2.063E-11	2.36306E-10	-0.20096	hypo	sig	chr19_45253678
chr5	1.78E+08	178384647	+	2.066E-11	2.36651E-10	-0.20353	hypo	sig	chr5_178384647
chr13	94704047	94704047	+	2.067E-11	2.36839E-10	0.249712	hyper	sig	chr13_94704047
chr11	27720354	27720354	+	2.068E-11	2.36913E-10	0.213117	hyper	sig	chr11_27720354
chr17	78901285	78901285	+	2.075E-11	2.37628E-10	-0.2137	hypo	sig	chr17_78901285
chr17	52160510	52160510	+	2.075E-11	2.37682E-10	0.214475	hyper	sig	chr17_52160510
chr9	1.37E+08	137136364	+	2.082E-11	2.38471E-10	-0.21666	hypo	sig	chr9_137136364
chr22	23437916	23437916	+	2.083E-11	2.38519E-10	-0.21722	hypo	sig	chr22_23437916
chr16	85982844	85982844	+	2.084E-11	2.38703E-10	-0.20638	hypo	sig	chr16_85982844
chr13	26012414	26012414	+	2.085E-11	2.38807E-10	0.219164	hyper	sig	chr13_26012414
chr6	1.12E+08	112362744	+	2.086E-11	2.38869E-10	-0.21199	hypo	sig	chr6_112362744
chr5	17654503	17654503	+	2.086E-11	2.38893E-10	-0.26608	hypo	sig	chr5_17654503

chr21	45642623	45642623	+	2.095E-11	2.39815E-10	0.224873	hyper	sig	chr21_45642623
chr12	63151186	63151186	+	2.095E-11	2.39892E-10	0.267861	hyper	sig	chr12_63151186
chr7	1.54E+08	154052642	+	2.102E-11	2.40582E-10	0.278977	hyper	sig	chr7_154052642
chr10	1.01E+08	101133039	+	2.102E-11	2.4064E-10	0.209517	hyper	sig	chr10_101133039
chr7	73568262	73568262	+	2.102E-11	2.40655E-10	-0.25583	hypo	sig	chr7_73568262
chr19	53978366	53978366	+	2.105E-11	2.4096E-10	0.285924	hyper	sig	chr19_53978366
chr5	1.59E+08	159096901	+	2.115E-11	2.42017E-10	0.234633	hyper	sig	chr5_159096901
chr8	1.41E+08	140564061	+	2.115E-11	2.4209E-10	-0.21461	hypo	sig	chr8_140564061
chr9	1.33E+08	132583179	+	2.115E-11	2.42097E-10	0.245329	hyper	sig	chr9_132583179
chr5	3602522	3602522	+	2.122E-11	2.42871E-10	0.203746	hyper	sig	chr5_3602522
chr16	88130863	88130863	+	2.131E-11	2.43853E-10	-0.24869	hypo	sig	chr16_88130863
chr5	80858	80858	+	2.132E-11	2.43923E-10	-0.21177	hypo	sig	chr5_80858
chr12	1.3E+08	130444648	+	2.14E-11	2.44806E-10	-0.20428	hypo	sig	chr12_130444648
chr19	58098036	58098036	+	2.14E-11	2.44844E-10	0.242314	hyper	sig	chr19_58098036
chr7	44962253	44962253	+	2.141E-11	2.44971E-10	-0.20556	hypo	sig	chr7_44962253
chr19	1828970	1828970	+	2.145E-11	2.45365E-10	-0.21186	hypo	sig	chr19_1828970
chr20	54476009	54476009	+	2.154E-11	2.46293E-10	0.274442	hyper	sig	chr20_54476009
chr19	56765332	56765332	+	2.154E-11	2.46359E-10	0.22306	hyper	sig	chr19_56765332
chr20	56342629	56342629	+	2.161E-11	2.47112E-10	-0.29212	hypo	sig	chr20_56342629
chr12	48198998	48198998	+	2.173E-11	2.48444E-10	0.225471	hyper	sig	chr12_48198998
chr14	71933551	71933551	+	2.18E-11	2.49137E-10	0.204578	hyper	sig	chr14_71933551
chr19	53058260	53058260	+	2.182E-11	2.49367E-10	0.263872	hyper	sig	chr19_53058260
chr6	32201155	32201155	+	2.184E-11	2.49575E-10	-0.21443	hypo	sig	chr6_32201155
chr5	51393079	51393079	+	2.187E-11	2.49939E-10	0.209204	hyper	sig	chr5_51393079
chr1	1.57E+08	156816851	+	2.19E-11	2.50278E-10	-0.24421	hypo	sig	chr1_156816851
chr17	80546410	80546410	+	2.193E-11	2.50626E-10	-0.21525	hypo	sig	chr17_80546410
chr10	99531037	99531037	+	2.198E-11	2.51096E-10	0.254031	hyper	sig	chr10_99531037
chr5	2755076	2755076	+	2.198E-11	2.51195E-10	0.231059	hyper	sig	chr5_2755076
chr8	1.16E+08	115648564	+	2.205E-11	2.51907E-10	0.242939	hyper	sig	chr8_115648564
chr2	2.2E+08	219568042	+	2.211E-11	2.52562E-10	-0.22206	hypo	sig	chr2_219568042
chr8	78517527	78517527	+	2.215E-11	2.5297E-10	-0.21942	hypo	sig	chr8_78517527
chr1	46492981	46492981	+	2.216E-11	2.53071E-10	0.216182	hyper	sig	chr1_46492981
chr5	1.46E+08	146337684	+	2.216E-11	2.53071E-10	0.252372	hyper	sig	chr5_146337684
chr5	1.79E+08	178577177	+	2.215E-11	2.53071E-10	0.215377	hyper	sig	chr5_178577177
chr20	9506500	9506500	+	2.217E-11	2.53241E-10	0.25883	hyper	sig	chr20_9506500
chr4	84495987	84495987	+	2.225E-11	2.54083E-10	0.221325	hyper	sig	chr4_84495987
chr4	55793758	55793758	+	2.233E-11	2.54936E-10	0.214353	hyper	sig	chr4_55793758
chr14	60486152	60486152	+	2.235E-11	2.55185E-10	0.243151	hyper	sig	chr14_60486152
chr20	45316893	45316893	+	2.236E-11	2.55278E-10	0.292995	hyper	sig	chr20_45316893
chr2	2.42E+08	241944827	+	2.242E-11	2.55887E-10	-0.20838	hypo	sig	chr2_241944827
chr19	52451407	52451407	+	2.245E-11	2.56253E-10	0.228426	hyper	sig	chr19_52451407
chr16	55331850	55331850	+	2.246E-11	2.56326E-10	0.245354	hyper	sig	chr16_55331850
chr17	44657177	44657177	+	2.251E-11	2.56937E-10	0.207652	hyper	sig	chr17_44657177
chr4	5897152	5897152	+	2.252E-11	2.57023E-10	-0.27521	hypo	sig	chr4_5897152
chr16	10180581	10180581	+	2.257E-11	2.57606E-10	0.203678	hyper	sig	chr16_10180581
chr5	1.46E+08	146337686	+	2.259E-11	2.57768E-10	0.248162	hyper	sig	chr5_146337686
chr17	79801998	79801998	+	2.26E-11	2.57861E-10	0.20194	hyper	sig	chr17_79801998
chr19	58356237	58356237	+	2.264E-11	2.58323E-10	0.224194	hyper	sig	chr19_58356237
chr13	1.14E+08	114129041	+	2.265E-11	2.58445E-10	0.230427	hyper	sig	chr13_114129041
chr11	64972158	64972158	+	2.268E-11	2.58707E-10	0.30967	hyper	sig	chr11_64972158
chr9	1.37E+08	137279168	+	2.278E-11	2.59904E-10	-0.21785	hypo	sig	chr9_137279168
chr11	6003524	6003524	+	2.281E-11	2.60216E-10	-0.20178	hypo	sig	chr11_6003524
chr14	96594964	96594964	+	2.288E-11	2.6099E-10	-0.22066	hypo	sig	chr14_96594964
chr13	1.12E+08	112100567	+	2.29E-11	2.61141E-10	-0.20177	hypo	sig	chr13_112100567
chr5	77644631	77644631	+	2.296E-11	2.61819E-10	0.238217	hyper	sig	chr5_77644631
chr12	1.23E+08	123398439	+	2.299E-11	2.62193E-10	-0.23776	hypo	sig	chr12_123398439

chr9	98709704	98709704	+	2.301E-11	2.62448E-10	0.223313	hyper	sig	chr9_98709704
chr19	45640975	45640975	+	2.305E-11	2.62864E-10	-0.24128	hypo	sig	chr19_45640975
chr14	76131527	76131527	+	2.311E-11	2.63532E-10	0.232519	hyper	sig	chr14_76131527
chr20	43916496	43916496	+	2.312E-11	2.63631E-10	0.226656	hyper	sig	chr20_43916496
chr15	65534421	65534421	+	2.315E-11	2.63956E-10	0.22872	hyper	sig	chr15_65534421
chr17	35488581	35488581	+	2.325E-11	2.65051E-10	0.255568	hyper	sig	chr17_35488581
chr15	96368334	96368334	+	2.329E-11	2.65399E-10	0.24031	hyper	sig	chr15_96368334
chr11	94767649	94767649	+	2.33E-11	2.65563E-10	-0.24028	hypo	sig	chr11_94767649
chr13	1.1E+08	109744521	+	2.333E-11	2.65855E-10	-0.21865	hypo	sig	chr13_109744521
chr1	1.55E+08	154869471	+	2.334E-11	2.65975E-10	0.206691	hyper	sig	chr1_154869471
chr9	87149289	87149289	+	2.338E-11	2.66385E-10	-0.20334	hypo	sig	chr9_87149289
chr17	39165770	39165770	+	2.34E-11	2.66581E-10	0.208192	hyper	sig	chr17_39165770
chr8	54454233	54454233	+	2.34E-11	2.66587E-10	0.22529	hyper	sig	chr8_54454233
chr11	18209228	18209228	+	2.345E-11	2.67193E-10	0.22829	hyper	sig	chr11_18209228
chr16	12903352	12903352	+	2.36E-11	2.68838E-10	0.204654	hyper	sig	chr16_12903352
chr2	1.05E+08	104659250	+	2.37E-11	2.69928E-10	0.210001	hyper	sig	chr2_104659250
chr20	46058367	46058367	+	2.378E-11	2.7083E-10	0.241052	hyper	sig	chr20_46058367
chr2	2.35E+08	234999859	+	2.379E-11	2.70847E-10	-0.22072	hypo	sig	chr2_234999859
chr6	16216874	16216874	+	2.38E-11	2.71033E-10	0.250092	hyper	sig	chr6_16216874
chr11	71609806	71609806	+	2.38E-11	2.71051E-10	-0.25386	hypo	sig	chr11_71609806
chr16	1299402	1299402	+	2.381E-11	2.71141E-10	-0.20751	hypo	sig	chr16_1299402
chr9	97846680	97846680	+	2.383E-11	2.71304E-10	-0.23087	hypo	sig	chr9_97846680
chr12	1.32E+08	132210275	+	2.384E-11	2.7141E-10	-0.22773	hypo	sig	chr12_132210275
chr8	1.43E+08	143155750	+	2.387E-11	2.71758E-10	-0.20515	hypo	sig	chr8_143155750
chr13	1.13E+08	113420350	+	2.396E-11	2.72689E-10	-0.22859	hypo	sig	chr13_113420350
chr16	2189573	2189573	+	2.396E-11	2.72689E-10	-0.20471	hypo	sig	chr16_2189573
chr1	1.5E+08	150282803	+	2.396E-11	2.72741E-10	0.230223	hyper	sig	chr1_150282803
chr3	1.88E+08	187670493	+	2.396E-11	2.72766E-10	0.201217	hyper	sig	chr3_187670493
chr16	84919762	84919762	+	2.397E-11	2.72881E-10	-0.2639	hypo	sig	chr16_84919762
chr12	1.31E+08	130797000	+	2.399E-11	2.73077E-10	-0.20238	hypo	sig	chr12_130797000
chr6	426346	426346	+	2.399E-11	2.73082E-10	0.211997	hyper	sig	chr6_426346
chr1	1.13E+08	112854660	+	2.402E-11	2.73385E-10	0.228962	hyper	sig	chr1_112854660
chr1	22643579	22643579	+	2.404E-11	2.73556E-10	-0.20358	hypo	sig	chr1_22643579
chr1	75132202	75132202	+	2.404E-11	2.73574E-10	0.261113	hyper	sig	chr1_75132202
chr2	2.32E+08	232378494	+	2.41E-11	2.74274E-10	-0.23395	hypo	sig	chr2_232378494
chr11	1.25E+08	125350602	+	2.411E-11	2.743E-10	-0.23639	hypo	sig	chr11_125350602
chr19	45940499	45940499	+	2.428E-11	2.76173E-10	0.230424	hyper	sig	chr19_45940499
chr7	1E+08	100012146	+	2.433E-11	2.76731E-10	-0.38702	hypo	sig	chr7_100012146
chr7	1.22E+08	122299831	+	2.438E-11	2.77264E-10	0.20589	hyper	sig	chr7_122299831
chr13	1.13E+08	113409424	+	2.438E-11	2.77341E-10	-0.25271	hypo	sig	chr13_113409424
chr22	36703092	36703092	+	2.439E-11	2.77352E-10	0.200242	hyper	sig	chr22_36703092
chr1	1.21E+08	121009790	+	2.442E-11	2.77709E-10	0.20909	hyper	sig	chr1_121009790
chr7	1408456	1408456	+	2.446E-11	2.78125E-10	-0.22079	hypo	sig	chr7_1408456
chr3	1.2E+08	119810134	+	2.448E-11	2.78413E-10	0.207656	hyper	sig	chr3_119810134
chr1	16082361	16082361	+	2.459E-11	2.79603E-10	-0.22128	hypo	sig	chr1_16082361
chr7	44314061	44314061	+	2.462E-11	2.79883E-10	-0.21298	hypo	sig	chr7_44314061
chr16	57802960	57802960	+	2.469E-11	2.80688E-10	0.242897	hyper	sig	chr16_57802960
chr8	52564911	52564911	+	2.474E-11	2.81248E-10	0.200391	hyper	sig	chr8_52564911
chr12	40620825	40620825	+	2.477E-11	2.81571E-10	-0.21263	hypo	sig	chr12_40620825
chr5	1.29E+08	129459816	+	2.482E-11	2.8213E-10	0.23468	hyper	sig	chr5_129459816
chr10	1.33E+08	132876995	+	2.494E-11	2.83406E-10	-0.21915	hypo	sig	chr10_132876995
chr19	13506258	13506258	+	2.495E-11	2.83482E-10	0.217376	hyper	sig	chr19_13506258
chr1	1.21E+08	121115389	+	2.497E-11	2.8371E-10	-0.20548	hypo	sig	chr1_121115389
chr13	1.13E+08	113420403	+	2.504E-11	2.84449E-10	-0.20447	hypo	sig	chr13_113420403
chr12	24902678	24902678	+	2.504E-11	2.84492E-10	0.260764	hyper	sig	chr12_24902678
chr4	1.74E+08	173524306	+	2.504E-11	2.84523E-10	0.224194	hyper	sig	chr4_173524306

chr8	1.08E+08	108081769	+	2.507E-11	2.8478E-10	0.206314	hyper	sig	chr8_108081769
chr6	28635931	28635931	+	2.516E-11	2.85757E-10	0.233671	hyper	sig	chr6_28635931
chr1	2.25E+08	224617878	+	2.52E-11	2.86239E-10	0.287325	hyper	sig	chr1_224617878
chr17	5500062	5500062	+	2.523E-11	2.86541E-10	0.229904	hyper	sig	chr17_5500062
chr16	87550802	87550802	+	2.529E-11	2.87218E-10	-0.24125	hypo	sig	chr16_87550802
chr22	39646557	39646557	+	2.532E-11	2.87529E-10	-0.22644	hypo	sig	chr22_39646557
chr19	815020	815020	+	2.542E-11	2.8856E-10	-0.2288	hypo	sig	chr19_815020
chr1	11501500	11501500	+	2.547E-11	2.8916E-10	0.207761	hyper	sig	chr1_11501500
chr9	1.36E+08	135560804	+	2.549E-11	2.89382E-10	-0.23074	hypo	sig	chr9_135560804
chr1	2.01E+08	201476634	+	2.551E-11	2.89543E-10	-0.27063	hypo	sig	chr1_201476634
chr7	1.01E+08	101303487	+	2.563E-11	2.90864E-10	0.241452	hyper	sig	chr7_101303487
chr7	10973358	10973358	+	2.563E-11	2.90959E-10	-0.20716	hypo	sig	chr7_10973358
chr2	88169839	88169839	+	2.57E-11	2.91656E-10	-0.23042	hypo	sig	chr2_88169839
chr4	1056384	1056384	+	2.571E-11	2.91753E-10	-0.21646	hypo	sig	chr4_1056384
chr13	1.13E+08	113420622	+	2.571E-11	2.91795E-10	-0.21597	hypo	sig	chr13_113420622
chr22	21881978	21881978	+	2.573E-11	2.92014E-10	-0.24355	hypo	sig	chr22_21881978
chr19	15189313	15189313	+	2.575E-11	2.92249E-10	-0.21699	hypo	sig	chr19_15189313
chr1	2.03E+08	203083323	+	2.58E-11	2.92739E-10	-0.22148	hypo	sig	chr1_203083323
chr19	18918375	18918375	+	2.6E-11	2.94959E-10	-0.23394	hypo	sig	chr19_18918375
chr4	1.74E+08	173528767	+	2.608E-11	2.95802E-10	0.243811	hyper	sig	chr4_173528767
chr14	1.05E+08	104608865	+	2.608E-11	2.95859E-10	-0.2684	hypo	sig	chr14_104608865
chr2	2.42E+08	241827146	+	2.619E-11	2.97026E-10	-0.25819	hypo	sig	chr2_241827146
chr12	48199001	48199001	+	2.62E-11	2.9713E-10	0.217953	hyper	sig	chr12_48199001
chr21	43985818	43985818	+	2.626E-11	2.97774E-10	-0.20196	hypo	sig	chr21_43985818
chr6	13860466	13860466	+	2.626E-11	2.97807E-10	0.252402	hyper	sig	chr6_13860466
chr16	2472902	2472902	+	2.648E-11	3.00158E-10	-0.21174	hypo	sig	chr16_2472902
chr6	1E+08	100467979	+	2.667E-11	3.02269E-10	0.202802	hyper	sig	chr6_100467979
chr4	1.88E+08	187506762	+	2.667E-11	3.02327E-10	-0.21446	hypo	sig	chr4_187506762
chr12	3055760	3055760	+	2.674E-11	3.03083E-10	-0.28006	hypo	sig	chr12_3055760
chr13	20137450	20137450	+	2.678E-11	3.03454E-10	-0.22205	hypo	sig	chr13_20137450
chr18	59274454	59274454	+	2.679E-11	3.03549E-10	0.244738	hyper	sig	chr18_59274454
chr9	1.37E+08	137158446	+	2.686E-11	3.04355E-10	-0.21073	hypo	sig	chr9_137158446
chr11	22432765	22432765	+	2.692E-11	3.04964E-10	0.202063	hyper	sig	chr11_22432765
chr22	19892662	19892662	+	2.696E-11	3.05461E-10	-0.22538	hypo	sig	chr22_19892662
chr19	8210205	8210205	+	2.709E-11	3.06889E-10	0.238253	hyper	sig	chr19_8210205
chr1	31792490	31792490	+	2.716E-11	3.0762E-10	-0.25715	hypo	sig	chr1_31792490
chr7	1223392	1223392	+	2.716E-11	3.07673E-10	-0.20653	hypo	sig	chr7_1223392
chr19	9498318	9498318	+	2.717E-11	3.07736E-10	0.21354	hyper	sig	chr19_9498318
chr13	78587529	78587529	+	2.718E-11	3.07827E-10	0.221285	hyper	sig	chr13_78587529
chr2	2.02E+08	201619081	+	2.721E-11	3.08126E-10	0.2082	hyper	sig	chr2_201619081
chr10	90857273	90857273	+	2.726E-11	3.08745E-10	0.231673	hyper	sig	chr10_90857273
chr1	90729213	90729213	+	2.731E-11	3.09232E-10	0.203906	hyper	sig	chr1_90729213
chr10	1.17E+08	117132665	+	2.734E-11	3.09582E-10	0.218261	hyper	sig	chr10_117132665
chr5	1.41E+08	141442117	+	2.736E-11	3.09779E-10	0.21886	hyper	sig	chr5_141442117
chr8	1.08E+08	108082278	+	2.742E-11	3.1042E-10	0.237415	hyper	sig	chr8_108082278
chr4	1.84E+08	184217925	+	2.745E-11	3.10771E-10	-0.21176	hypo	sig	chr4_184217925
chr1	1.83E+08	183417126	+	2.747E-11	3.10987E-10	0.225008	hyper	sig	chr1_183417126
chr5	77642138	77642138	+	2.751E-11	3.11438E-10	0.211965	hyper	sig	chr5_77642138
chr5	1.39E+08	139246454	+	2.755E-11	3.11802E-10	-0.21991	hypo	sig	chr5_139246454
chr9	1051476	1051476	+	2.756E-11	3.11902E-10	0.219383	hyper	sig	chr9_1051476
chr5	1.35E+08	135050566	+	2.756E-11	3.11933E-10	0.216067	hyper	sig	chr5_135050566
chr17	49964778	49964778	+	2.769E-11	3.13337E-10	0.202487	hyper	sig	chr17_49964778
chr11	57646930	57646930	+	2.77E-11	3.13472E-10	0.201782	hyper	sig	chr11_57646930
chr3	1.2E+08	119809794	+	2.784E-11	3.14938E-10	0.204734	hyper	sig	chr3_119809794
chr1	18859751	18859751	+	2.789E-11	3.15497E-10	-0.2675	hypo	sig	chr1_18859751
chr12	1.03E+08	102958916	+	2.796E-11	3.16265E-10	0.218647	hyper	sig	chr12_102958916

chr15	28792821	28792821	+	2.807E-11	3.17488E-10	-0.23994	hypo	sig	chr15_28792821
chr8	1.08E+08	108081222	+	2.817E-11	3.18533E-10	0.234943	hyper	sig	chr8_108081222
chr5	1.8E+08	179519840	+	2.819E-11	3.18828E-10	-0.2338	hypo	sig	chr5_179519840
chr6	32051942	32051942	+	2.824E-11	3.19319E-10	-0.26893	hypo	sig	chr6_32051942
chr2	26971447	26971447	+	2.832E-11	3.20201E-10	-0.20249	hypo	sig	chr2_26971447
chr19	4054255	4054255	+	2.853E-11	3.22431E-10	-0.22587	hypo	sig	chr19_4054255
chr2	2.08E+08	208406636	+	2.865E-11	3.23799E-10	0.259558	hyper	sig	chr2_208406636
chr2	1.97E+08	197165188	+	2.866E-11	3.23848E-10	-0.20262	hypo	sig	chr2_197165188
chr8	67952279	67952279	+	2.874E-11	3.247E-10	0.222562	hyper	sig	chr8_67952279
chr2	2.22E+08	222295113	+	2.877E-11	3.25056E-10	0.24823	hyper	sig	chr2_222295113
chr7	1.58E+08	157854619	+	2.88E-11	3.25393E-10	-0.22381	hypo	sig	chr7_157854619
chr1	2809086	2809086	+	2.881E-11	3.25469E-10	-0.21447	hypo	sig	chr1_2809086
chr15	78626142	78626142	+	2.888E-11	3.26204E-10	-0.22093	hypo	sig	chr15_78626142
chr20	1297246	1297246	+	2.89E-11	3.26398E-10	-0.2005	hypo	sig	chr20_1297246
chr7	30476811	30476811	+	2.89E-11	3.26427E-10	-0.302	hypo	sig	chr7_30476811
chr9	1.36E+08	135987701	+	2.9E-11	3.27495E-10	-0.20101	hypo	sig	chr9_135987701
chr19	14085752	14085752	+	2.901E-11	3.2768E-10	0.225295	hyper	sig	chr19_14085752
chr2	1.82E+08	181678192	+	2.908E-11	3.28427E-10	0.231356	hyper	sig	chr2_181678192
chr1	1.19E+08	118993740	+	2.919E-11	3.29554E-10	0.209409	hyper	sig	chr1_118993740
chr20	38724405	38724405	+	2.929E-11	3.30596E-10	0.286169	hyper	sig	chr20_38724405
chr13	1.12E+08	111923343	+	2.929E-11	3.30696E-10	-0.21656	hypo	sig	chr13_111923343
chr11	43559558	43559558	+	2.936E-11	3.31367E-10	-0.21424	hypo	sig	chr11_43559558
chr10	7173445	7173445	+	2.937E-11	3.31524E-10	-0.22942	hypo	sig	chr10_7173445
chr7	1.28E+08	128168404	+	2.94E-11	3.31807E-10	0.221022	hyper	sig	chr7_128168404
chr19	48444303	48444303	+	2.944E-11	3.32277E-10	0.232802	hyper	sig	chr19_48444303
chr16	55656961	55656961	+	2.948E-11	3.32694E-10	0.243869	hyper	sig	chr16_55656961
chr22	16601156	16601156	+	2.955E-11	3.33466E-10	0.208433	hyper	sig	chr22_16601156
chr7	1.58E+08	157693965	+	2.978E-11	3.35951E-10	0.23188	hyper	sig	chr7_157693965
chr7	1.01E+08	100642491	+	2.987E-11	3.36969E-10	-0.26482	hypo	sig	chr7_100642491
chr11	10451491	10451491	+	2.996E-11	3.37921E-10	-0.21015	hypo	sig	chr11_10451491
chr2	75562840	75562840	+	3.006E-11	3.38991E-10	-0.20706	hypo	sig	chr2_75562840
chr9	21031795	21031795	+	3.006E-11	3.39042E-10	0.240066	hyper	sig	chr9_21031795
chr16	30474276	30474276	+	3.01E-11	3.39464E-10	0.212772	hyper	sig	chr16_30474276
chr20	51023482	51023482	+	3.012E-11	3.39617E-10	0.214664	hyper	sig	chr20_51023482
chr16	66974476	66974476	+	3.018E-11	3.40273E-10	-0.22436	hypo	sig	chr16_66974476
chr19	39534864	39534864	+	3.027E-11	3.41296E-10	-0.27706	hypo	sig	chr19_39534864
chr5	1.46E+08	146340306	+	3.033E-11	3.4188E-10	0.200685	hyper	sig	chr5_146340306
chr7	74043448	74043448	+	3.033E-11	3.41894E-10	-0.20051	hypo	sig	chr7_74043448
chr12	1.13E+08	113479842	+	3.049E-11	3.43637E-10	0.201305	hyper	sig	chr12_113479842
chr4	1.88E+08	187995373	+	3.052E-11	3.43904E-10	0.222716	hyper	sig	chr4_187995373
chr20	46057285	46057285	+	3.064E-11	3.4526E-10	0.258611	hyper	sig	chr20_46057285
chr17	8347285	8347285	+	3.085E-11	3.47604E-10	0.237994	hyper	sig	chr17_8347285
chr10	70283734	70283734	+	3.088E-11	3.47864E-10	0.284182	hyper	sig	chr10_70283734
chr8	65846133	65846133	+	3.098E-11	3.49017E-10	-0.20223	hypo	sig	chr8_65846133
chr5	1174325	1174325	+	3.1E-11	3.49168E-10	-0.20308	hypo	sig	chr5_1174325
chr6	10886990	10886990	+	3.1E-11	3.49168E-10	0.203793	hyper	sig	chr6_10886990
chr14	60641610	60641610	+	3.103E-11	3.49471E-10	0.225068	hyper	sig	chr14_60641610
chr17	3697065	3697065	+	3.11E-11	3.50333E-10	0.21577	hyper	sig	chr17_3697065
chr2	1.06E+08	106065436	+	3.133E-11	3.52798E-10	0.224576	hyper	sig	chr2_106065436
chr10	23172328	23172328	+	3.138E-11	3.53337E-10	0.280598	hyper	sig	chr10_23172328
chr10	1.17E+08	117140782	+	3.142E-11	3.53707E-10	0.273694	hyper	sig	chr10_117140782
chr8	56446438	56446438	+	3.144E-11	3.53908E-10	0.275151	hyper	sig	chr8_56446438
chr6	10384893	10384893	+	3.166E-11	3.5628E-10	0.211056	hyper	sig	chr6_10384893
chr1	9648067	9648067	+	3.166E-11	3.56303E-10	-0.21349	hypo	sig	chr1_9648067
chr17	39165641	39165641	+	3.17E-11	3.56759E-10	0.240663	hyper	sig	chr17_39165641
chr18	59220432	59220432	+	3.171E-11	3.5684E-10	0.204437	hyper	sig	chr18_59220432

chr5	25190332	25190332	+	3.176E-11	3.57392E-10	-0.21616	hypo	sig	chr5_25190332
chr7	1.57E+08	157470731	+	3.183E-11	3.58186E-10	-0.22476	hypo	sig	chr7_157470731
chr1	2.36E+08	236396028	+	3.192E-11	3.5913E-10	0.242074	hyper	sig	chr1_236396028
chr10	1.15E+08	114876597	+	3.198E-11	3.59815E-10	-0.21394	hypo	sig	chr10_114876597
chr13	32022448	32022448	+	3.203E-11	3.6025E-10	-0.2341	hypo	sig	chr13_32022448
chr9	94607513	94607513	+	3.205E-11	3.60523E-10	-0.20507	hypo	sig	chr9_94607513
chr16	70646666	70646666	+	3.217E-11	3.61819E-10	-0.20232	hypo	sig	chr16_70646666
chr17	36940665	36940665	+	3.219E-11	3.62057E-10	0.208735	hyper	sig	chr17_36940665
chr12	5085984	5085984	+	3.223E-11	3.62411E-10	-0.21264	hypo	sig	chr12_5085984
chr16	1941504	1941504	+	3.233E-11	3.63562E-10	-0.23175	hypo	sig	chr16_1941504
chr19	53979922	53979922	+	3.239E-11	3.64211E-10	0.222735	hyper	sig	chr19_53979922
chr12	1.17E+08	116660755	+	3.244E-11	3.6474E-10	-0.24314	hypo	sig	chr12_116660755
chr11	72244599	72244599	+	3.246E-11	3.64918E-10	0.202973	hyper	sig	chr11_72244599
chr3	1.7E+08	169666860	+	3.259E-11	3.66264E-10	0.256462	hyper	sig	chr3_169666860
chr16	31569622	31569622	+	3.259E-11	3.66317E-10	0.231413	hyper	sig	chr16_31569622
chr8	9679817	9679817	+	3.264E-11	3.66864E-10	-0.20642	hypo	sig	chr8_9679817
chr7	1E+08	100389986	+	3.266E-11	3.67101E-10	-0.2101	hypo	sig	chr7_100389986
chr17	17921442	17921442	+	3.266E-11	3.67106E-10	-0.25529	hypo	sig	chr17_17921442
chr7	1.41E+08	140527473	+	3.276E-11	3.68066E-10	-0.20101	hypo	sig	chr7_140527473
chr4	80263091	80263091	+	3.277E-11	3.68202E-10	-0.201	hypo	sig	chr4_80263091
chr1	2.15E+08	215083544	+	3.291E-11	3.6969E-10	0.211733	hyper	sig	chr1_215083544
chr10	93066557	93066557	+	3.292E-11	3.69807E-10	0.227778	hyper	sig	chr10_93066557
chr16	55470925	55470925	+	3.295E-11	3.70163E-10	-0.27589	hypo	sig	chr16_55470925
chr17	48581653	48581653	+	3.302E-11	3.7093E-10	-0.23716	hypo	sig	chr17_48581653
chr1	1.71E+08	170666812	+	3.305E-11	3.71253E-10	0.200158	hyper	sig	chr1_170666812
chr7	1E+08	100122289	+	3.307E-11	3.71496E-10	-0.24513	hypo	sig	chr7_100122289
chr17	10036910	10036910	+	3.309E-11	3.71654E-10	-0.20711	hypo	sig	chr17_10036910
chr2	1.49E+08	148882115	+	3.314E-11	3.72253E-10	-0.22894	hypo	sig	chr2_148882115
chr10	1.24E+08	123992157	+	3.321E-11	3.72997E-10	0.238762	hyper	sig	chr10_123992157
chr15	68407435	68407435	+	3.329E-11	3.73768E-10	-0.21477	hypo	sig	chr15_68407435
chr8	1.45E+08	144714024	+	3.329E-11	3.73828E-10	0.251143	hyper	sig	chr8_144714024
chr4	55947694	55947694	+	3.333E-11	3.74264E-10	-0.21643	hypo	sig	chr4_55947694
chr8	1.08E+08	108081726	+	3.337E-11	3.74677E-10	0.276555	hyper	sig	chr8_108081726
chr16	3089100	3089100	+	3.338E-11	3.7481E-10	-0.21055	hypo	sig	chr16_3089100
chr5	1.77E+08	176619143	+	3.339E-11	3.74881E-10	0.217451	hyper	sig	chr5_176619143
chr3	1.92E+08	191952780	+	3.354E-11	3.76446E-10	-0.20169	hypo	sig	chr3_191952780
chr14	69849311	69849311	+	3.355E-11	3.76546E-10	-0.20078	hypo	sig	chr14_69849311
chr20	29427423	29427423	+	3.357E-11	3.76729E-10	0.227541	hyper	sig	chr20_29427423
chr12	1.31E+08	131088176	+	3.363E-11	3.77381E-10	-0.20211	hypo	sig	chr12_131088176
chr4	1045758	1045758	+	3.372E-11	3.78385E-10	-0.20534	hypo	sig	chr4_1045758
chr15	84080694	84080694	+	3.373E-11	3.78458E-10	0.208095	hyper	sig	chr15_84080694
chr16	57628187	57628187	+	3.377E-11	3.78884E-10	-0.20902	hypo	sig	chr16_57628187
chr15	73756459	73756459	+	3.378E-11	3.79031E-10	-0.21821	hypo	sig	chr15_73756459
chr13	1.08E+08	107868635	+	3.379E-11	3.79068E-10	0.212526	hyper	sig	chr13_107868635
chr5	1.71E+08	170502640	+	3.382E-11	3.79407E-10	-0.22656	hypo	sig	chr5_170502640
chr5	73301984	73301984	+	3.389E-11	3.80208E-10	0.221178	hyper	sig	chr5_73301984
chr10	1.34E+08	133528080	+	3.394E-11	3.80761E-10	0.215477	hyper	sig	chr10_133528080
chr1	1.19E+08	118980282	+	3.399E-11	3.81219E-10	0.254746	hyper	sig	chr1_118980282
chr20	46034991	46034991	+	3.408E-11	3.82267E-10	-0.23512	hypo	sig	chr20_46034991
chr1	1.19E+08	118988420	+	3.412E-11	3.82704E-10	0.218282	hyper	sig	chr1_118988420
chr16	55327769	55327769	+	3.416E-11	3.83052E-10	0.225996	hyper	sig	chr16_55327769
chr9	971714	971714	+	3.418E-11	3.83297E-10	0.220958	hyper	sig	chr9_971714
chr1	6466259	6466259	+	3.427E-11	3.84236E-10	0.203921	hyper	sig	chr1_6466259
chr2	310044	310044	+	3.428E-11	3.84385E-10	-0.21953	hypo	sig	chr2_310044
chr5	93573056	93573056	+	3.44E-11	3.8564E-10	0.219013	hyper	sig	chr5_93573056
chr2	26642381	26642381	+	3.44E-11	3.85653E-10	-0.20225	hypo	sig	chr2_26642381

chr2	1.29E+08	128537324	+	3.44E-11	3.85698E-10	-0.2701	hypo	sig	chr2_128537324
chr9	1.33E+08	132582845	+	3.441E-11	3.85759E-10	0.259753	hyper	sig	chr9_132582845
chr19	53978396	53978396	+	3.442E-11	3.85905E-10	0.321839	hyper	sig	chr19_53978396
chr5	1.41E+08	141152477	+	3.446E-11	3.86325E-10	0.210155	hyper	sig	chr5_141152477
chr8	64376592	64376592	+	3.447E-11	3.86365E-10	0.235974	hyper	sig	chr8_64376592
chr9	1.29E+08	129078484	+	3.455E-11	3.87298E-10	-0.20294	hypo	sig	chr9_129078484
chr1	1.11E+08	111271230	+	3.464E-11	3.882E-10	0.212052	hyper	sig	chr1_111271230
chr17	40937341	40937341	+	3.467E-11	3.88521E-10	-0.20465	hypo	sig	chr17_40937341
chr3	1.2E+08	120285414	+	3.483E-11	3.90228E-10	0.204502	hyper	sig	chr3_120285414
chr17	63941947	63941947	+	3.489E-11	3.90832E-10	-0.22047	hypo	sig	chr17_63941947
chr7	1.55E+08	154876110	+	3.502E-11	3.92368E-10	-0.22524	hypo	sig	chr7_154876110
chr19	48746769	48746769	+	3.505E-11	3.92584E-10	0.240741	hyper	sig	chr19_48746769
chr16	775222	775222	+	3.508E-11	3.93002E-10	-0.22793	hypo	sig	chr16_775222
chr11	1.25E+08	125357593	+	3.51E-11	3.93174E-10	-0.22467	hypo	sig	chr11_125357593
chr4	3045510	3045510	+	3.514E-11	3.93557E-10	-0.26983	hypo	sig	chr4_3045510
chr7	1.51E+08	151412848	+	3.518E-11	3.94006E-10	-0.21295	hypo	sig	chr7_151412848
chr11	85682649	85682649	+	3.518E-11	3.94031E-10	0.258069	hyper	sig	chr11_85682649
chr1	9127725	9127725	+	3.522E-11	3.94386E-10	-0.206	hypo	sig	chr1_9127725
chr11	69890010	69890010	+	3.533E-11	3.95566E-10	0.219606	hyper	sig	chr11_69890010
chr5	64690363	64690363	+	3.537E-11	3.96104E-10	0.213602	hyper	sig	chr5_64690363
chr5	1.35E+08	135050550	+	3.538E-11	3.96127E-10	0.206459	hyper	sig	chr5_135050550
chr12	6887696	6887696	+	3.539E-11	3.9631E-10	-0.26271	hypo	sig	chr12_6887696
chr7	1.3E+08	130492130	+	3.542E-11	3.96605E-10	0.23247	hyper	sig	chr7_130492130
chr4	722012	722012	+	3.548E-11	3.97182E-10	-0.23197	hypo	sig	chr4_722012
chr13	1.13E+08	113406419	+	3.554E-11	3.97817E-10	-0.2665	hypo	sig	chr13_113406419
chr12	1.15E+08	114669533	+	3.556E-11	3.9806E-10	-0.27221	hypo	sig	chr12_114669533
chr2	68318826	68318826	+	3.561E-11	3.9859E-10	0.298898	hyper	sig	chr2_68318826
chr9	1.37E+08	136998131	+	3.577E-11	4.00383E-10	-0.20949	hypo	sig	chr9_136998131
chr1	51346339	51346339	+	3.581E-11	4.0078E-10	-0.20272	hypo	sig	chr1_51346339
chr15	82710172	82710172	+	3.587E-11	4.01364E-10	0.219036	hyper	sig	chr15_82710172
chr22	29480927	29480927	+	3.587E-11	4.01376E-10	0.219234	hyper	sig	chr22_29480927
chr7	1231002	1231002	+	3.595E-11	4.02275E-10	0.203499	hyper	sig	chr7_1231002
chr9	1.35E+08	135179393	+	3.597E-11	4.02464E-10	-0.20033	hypo	sig	chr9_135179393
chr19	35526111	35526111	+	3.602E-11	4.02975E-10	-0.20863	hypo	sig	chr19_35526111
chr17	44781852	44781852	+	3.603E-11	4.03063E-10	-0.22981	hypo	sig	chr17_44781852
chr8	1.43E+08	143289828	+	3.604E-11	4.03218E-10	-0.23182	hypo	sig	chr8_143289828
chr15	37097384	37097384	+	3.614E-11	4.04257E-10	0.203336	hyper	sig	chr15_37097384
chr11	1.25E+08	124920985	+	3.615E-11	4.04347E-10	0.214596	hyper	sig	chr11_124920985
chr19	13014412	13014412	+	3.621E-11	4.05044E-10	0.212369	hyper	sig	chr19_13014412
chr5	1.77E+08	177328147	+	3.629E-11	4.05914E-10	-0.21087	hypo	sig	chr5_177328147
chr15	45111935	45111935	+	3.633E-11	4.06313E-10	0.21508	hyper	sig	chr15_45111935
chr8	43246865	43246865	+	3.645E-11	4.07667E-10	0.213203	hyper	sig	chr8_43246865
chr5	63960490	63960490	+	3.646E-11	4.07667E-10	0.202583	hyper	sig	chr5_63960490
chr9	1.09E+08	109167460	+	3.646E-11	4.0768E-10	0.212082	hyper	sig	chr9_109167460
chr11	43559643	43559643	+	3.655E-11	4.08658E-10	-0.20004	hypo	sig	chr11_43559643
chr10	7667773	7667773	+	3.656E-11	4.0878E-10	0.275425	hyper	sig	chr10_7667773
chr1	90727246	90727246	+	3.659E-11	4.0907E-10	0.203894	hyper	sig	chr1_90727246
chr2	55923886	55923886	+	3.664E-11	4.09617E-10	0.207	hyper	sig	chr2_55923886
chr2	1.76E+08	176100613	+	3.678E-11	4.1115E-10	0.204771	hyper	sig	chr2_176100613
chr1	1.52E+08	151838367	+	3.683E-11	4.11631E-10	0.240919	hyper	sig	chr1_151838367
chr16	89063161	89063161	+	3.683E-11	4.11631E-10	-0.26775	hypo	sig	chr16_89063161
chr6	52404091	52404091	+	3.683E-11	4.11653E-10	-0.23304	hypo	sig	chr6_52404091
chr19	37691932	37691932	+	3.697E-11	4.13092E-10	0.25866	hyper	sig	chr19_37691932
chr10	8034305	8034305	+	3.701E-11	4.13538E-10	0.202256	hyper	sig	chr10_8034305
chr7	1.49E+08	149066211	+	3.706E-11	4.14009E-10	-0.26401	hypo	sig	chr7_149066211
chr13	94704819	94704819	+	3.711E-11	4.14558E-10	0.204526	hyper	sig	chr13_94704819

chr14	24172076	24172076	+	3.715E-11	4.14986E-10	0.218698	hyper	sig	chr14_24172076
chr8	56446369	56446369	+	3.723E-11	4.15831E-10	0.278113	hyper	sig	chr8_56446369
chr16	72928044	72928044	+	3.73E-11	4.16575E-10	-0.21033	hypo	sig	chr16_72928044
chr2	1.3E+08	130328145	+	3.744E-11	4.1813E-10	-0.25541	hypo	sig	chr2_130328145
chr1	1.15E+08	115364103	+	3.748E-11	4.1851E-10	-0.20149	hypo	sig	chr1_115364103
chr6	10883840	10883840	+	3.756E-11	4.19385E-10	0.249944	hyper	sig	chr6_10883840
chr1	2.34E+08	234231556	+	3.763E-11	4.20207E-10	-0.20882	hypo	sig	chr1_234231556
chr3	1.25E+08	125141907	+	3.781E-11	4.22091E-10	0.248618	hyper	sig	chr3_125141907
chr16	54291644	54291644	+	3.783E-11	4.22291E-10	0.225296	hyper	sig	chr16_54291644
chr19	53058339	53058339	+	3.824E-11	4.26735E-10	0.25802	hyper	sig	chr19_53058339
chr12	24902673	24902673	+	3.828E-11	4.27089E-10	0.25498	hyper	sig	chr12_24902673
chr1	2.34E+08	234234859	+	3.835E-11	4.27854E-10	-0.21561	hypo	sig	chr1_234234859
chr3	39110853	39110853	+	3.845E-11	4.2894E-10	0.200054	hyper	sig	chr3_39110853
chr2	98346451	98346451	+	3.854E-11	4.29921E-10	0.243873	hyper	sig	chr2_98346451
chr11	49561617	49561617	+	3.866E-11	4.31232E-10	0.247866	hyper	sig	chr11_49561617
chr19	28794102	28794102	+	3.867E-11	4.31287E-10	0.213223	hyper	sig	chr19_28794102
chr17	77242577	77242577	+	3.898E-11	4.34657E-10	-0.22148	hypo	sig	chr17_77242577
chr16	71443165	71443165	+	3.903E-11	4.35133E-10	-0.22025	hypo	sig	chr16_71443165
chr3	1.47E+08	147412039	+	3.906E-11	4.35549E-10	0.228234	hyper	sig	chr3_147412039
chr10	1200396	1200396	+	3.911E-11	4.36002E-10	-0.20769	hypo	sig	chr10_1200396
chr19	57614757	57614757	+	3.92E-11	4.36956E-10	0.237678	hyper	sig	chr19_57614757
chr1	2.29E+08	229407431	+	3.92E-11	4.37024E-10	0.216881	hyper	sig	chr1_229407431
chr19	11387312	11387312	+	3.934E-11	4.38518E-10	-0.22023	hypo	sig	chr19_11387312
chr1	39515761	39515761	+	3.946E-11	4.39748E-10	0.204331	hyper	sig	chr1_39515761
chr2	42102370	42102370	+	3.951E-11	4.40338E-10	0.231366	hyper	sig	chr2_42102370
chr17	82342847	82342847	+	3.96E-11	4.41308E-10	-0.20327	hypo	sig	chr17_82342847
chr8	47763094	47763094	+	3.982E-11	4.43677E-10	0.201249	hyper	sig	chr8_47763094
chr5	1.76E+08	175680094	+	3.986E-11	4.44153E-10	-0.24413	hypo	sig	chr5_175680094
chr5	1.8E+08	179526663	+	3.992E-11	4.44774E-10	-0.20004	hypo	sig	chr5_179526663
chr2	1.37E+08	136765086	+	3.993E-11	4.44832E-10	0.217871	hyper	sig	chr2_136765086
chr4	48484397	48484397	+	4E-11	4.45612E-10	0.243218	hyper	sig	chr4_48484397
chr16	30031927	30031927	+	4.01E-11	4.4669E-10	-0.22101	hypo	sig	chr16_30031927
chr3	1.54E+08	154428831	+	4.015E-11	4.47204E-10	0.203588	hyper	sig	chr3_154428831
chr17	76000801	76000801	+	4.019E-11	4.47617E-10	-0.21378	hypo	sig	chr17_76000801
chr20	21515430	21515430	+	4.021E-11	4.47858E-10	0.21739	hyper	sig	chr20_21515430
chr6	1.05E+08	104941563	+	4.024E-11	4.48111E-10	0.212075	hyper	sig	chr6_104941563
chr5	1.16E+08	115962382	+	4.024E-11	4.48175E-10	0.30216	hyper	sig	chr5_115962382
chr9	96049160	96049160	+	4.026E-11	4.48306E-10	-0.22087	hypo	sig	chr9_96049160
chr3	1.43E+08	142892009	+	4.043E-11	4.50202E-10	-0.2382	hypo	sig	chr3_142892009
chr10	90857149	90857149	+	4.043E-11	4.50216E-10	0.214691	hyper	sig	chr10_90857149
chr10	1.17E+08	117132672	+	4.061E-11	4.52101E-10	0.208408	hyper	sig	chr10_117132672
chr5	1.41E+08	141491809	+	4.065E-11	4.52485E-10	0.206385	hyper	sig	chr5_141491809
chr2	2.18E+08	218389873	+	4.073E-11	4.53403E-10	-0.25663	hypo	sig	chr2_218389873
chr7	1.35E+08	134891635	+	4.075E-11	4.53554E-10	0.249651	hyper	sig	chr7_134891635
chr1	54981345	54981345	+	4.079E-11	4.53968E-10	-0.21941	hypo	sig	chr1_54981345
chr1	39076280	39076280	+	4.08E-11	4.54061E-10	-0.22137	hypo	sig	chr1_39076280
chr11	20670296	20670296	+	4.087E-11	4.54818E-10	0.250522	hyper	sig	chr11_20670296
chr15	55589102	55589102	+	4.095E-11	4.557E-10	0.229419	hyper	sig	chr15_55589102
chr1	1.57E+08	156657385	+	4.109E-11	4.57142E-10	0.25732	hyper	sig	chr1_156657385
chr13	67773252	67773252	+	4.128E-11	4.59183E-10	-0.20799	hypo	sig	chr13_67773252
chr22	45309351	45309351	+	4.131E-11	4.59504E-10	-0.21046	hypo	sig	chr22_45309351
chr3	13204600	13204600	+	4.132E-11	4.59641E-10	0.229073	hyper	sig	chr3_13204600
chr1	1.52E+08	152191541	+	4.14E-11	4.60458E-10	-0.26341	hypo	sig	chr1_152191541
chr17	6995766	6995766	+	4.144E-11	4.60874E-10	0.203906	hyper	sig	chr17_6995766
chr5	1.42E+08	142322808	+	4.152E-11	4.61729E-10	-0.20357	hypo	sig	chr5_142322808
chr16	2472989	2472989	+	4.157E-11	4.62261E-10	-0.21298	hypo	sig	chr16_2472989

chr22	16602852	16602852	+	4.165E-11	4.63052E-10	0.260534	hyper	sig	chr22_16602852
chr6	77650209	77650209	+	4.174E-11	4.6403E-10	0.201715	hyper	sig	chr6_77650209
chr20	45316887	45316887	+	4.182E-11	4.64924E-10	0.287428	hyper	sig	chr20_45316887
chr22	30566280	30566280	+	4.185E-11	4.65281E-10	-0.20282	hypo	sig	chr22_30566280
chr15	1.01E+08	100880770	+	4.191E-11	4.65929E-10	0.255122	hyper	sig	chr15_100880770
chr9	19128813	19128813	+	4.193E-11	4.66052E-10	0.209812	hyper	sig	chr9_19128813
chr19	57709204	57709204	+	4.194E-11	4.66175E-10	0.214671	hyper	sig	chr19_57709204
chr8	1.24E+08	124376565	+	4.199E-11	4.66731E-10	-0.209	hypo	sig	chr8_124376565
chr9	1.3E+08	129675815	+	4.209E-11	4.67784E-10	-0.22095	hypo	sig	chr9_129675815
chr7	1.29E+08	128697718	+	4.22E-11	4.69002E-10	0.22986	hyper	sig	chr7_128697718
chr5	1.8E+08	179648677	+	4.226E-11	4.69695E-10	-0.24967	hypo	sig	chr5_179648677
chr1	12540199	12540199	+	4.23E-11	4.70045E-10	-0.25352	hypo	sig	chr1_12540199
chr15	58864876	58864876	+	4.236E-11	4.7065E-10	0.242424	hyper	sig	chr15_58864876
chr19	45385597	45385597	+	4.237E-11	4.70823E-10	0.237575	hyper	sig	chr19_45385597
chr2	2.28E+08	228182069	+	4.246E-11	4.71753E-10	0.207117	hyper	sig	chr2_228182069
chr16	85641478	85641478	+	4.261E-11	4.73396E-10	-0.2044	hypo	sig	chr16_85641478
chr20	62465769	62465769	+	4.262E-11	4.73445E-10	-0.20297	hypo	sig	chr20_62465769
chr2	70872132	70872132	+	4.271E-11	4.74409E-10	-0.25487	hypo	sig	chr2_70872132
chr20	25584883	25584883	+	4.272E-11	4.74463E-10	0.229016	hyper	sig	chr20_25584883
chr10	1.34E+08	133627694	+	4.324E-11	4.80082E-10	-0.26371	hypo	sig	chr10_133627694
chr6	29975655	29975655	+	4.327E-11	4.80368E-10	0.206047	hyper	sig	chr6_29975655
chr16	89623918	89623918	+	4.335E-11	4.81276E-10	0.204247	hyper	sig	chr16_89623918
chr1	36387330	36387330	+	4.338E-11	4.81553E-10	-0.20123	hypo	sig	chr1_36387330
chr17	5116401	5116401	+	4.361E-11	4.84007E-10	0.224397	hyper	sig	chr17_5116401
chr5	2749980	2749980	+	4.378E-11	4.85831E-10	0.208995	hyper	sig	chr5_2749980
chr17	47774525	47774525	+	4.381E-11	4.86168E-10	-0.21059	hypo	sig	chr17_47774525
chr20	21709165	21709165	+	4.392E-11	4.87329E-10	0.212386	hyper	sig	chr20_21709165
chr8	31639069	31639069	+	4.396E-11	4.87742E-10	0.235737	hyper	sig	chr8_31639069
chr2	1.35E+08	134715442	+	4.399E-11	4.8804E-10	-0.23035	hypo	sig	chr2_134715442
chr19	50658883	50658883	+	4.403E-11	4.88472E-10	0.249817	hyper	sig	chr19_50658883
chr2	1.2E+08	120349116	+	4.407E-11	4.88903E-10	0.204978	hyper	sig	chr2_120349116
chr19	52454107	52454107	+	4.41E-11	4.89169E-10	0.346403	hyper	sig	chr19_52454107
chr19	1231248	1231248	+	4.42E-11	4.90295E-10	-0.20677	hypo	sig	chr19_1231248
chr3	42265550	42265550	+	4.428E-11	4.91094E-10	0.297159	hyper	sig	chr3_42265550
chr13	50129282	50129282	+	4.433E-11	4.9166E-10	0.225956	hyper	sig	chr13_50129282
chr18	12911612	12911612	+	4.439E-11	4.92274E-10	0.218617	hyper	sig	chr18_12911612
chr14	94768411	94768411	+	4.443E-11	4.92762E-10	0.226301	hyper	sig	chr14_94768411
chr8	9002386	9002386	+	4.446E-11	4.9305E-10	-0.2319	hypo	sig	chr8_9002386
chr14	94775615	94775615	+	4.449E-11	4.9333E-10	0.256141	hyper	sig	chr14_94775615
chr2	2.41E+08	241200121	+	4.456E-11	4.94097E-10	-0.21709	hypo	sig	chr2_241200121
chr21	26573031	26573031	+	4.456E-11	4.94097E-10	0.263893	hyper	sig	chr21_26573031
chr5	55820640	55820640	+	4.465E-11	4.95043E-10	-0.25685	hypo	sig	chr5_55820640
chr5	1752749	1752749	+	4.467E-11	4.95194E-10	-0.21175	hypo	sig	chr5_1752749
chr19	45812625	45812625	+	4.473E-11	4.95832E-10	-0.20638	hypo	sig	chr19_45812625
chr16	87669951	87669951	+	4.48E-11	4.96571E-10	-0.21195	hypo	sig	chr16_87669951
chr4	1.57E+08	157220715	+	4.483E-11	4.96899E-10	0.267354	hyper	sig	chr4_157220715
chr7	76285625	76285625	+	4.483E-11	4.96945E-10	-0.20646	hypo	sig	chr7_76285625
chr10	49769034	49769034	+	4.486E-11	4.97269E-10	0.280497	hyper	sig	chr10_49769034
chr8	20249922	20249922	+	4.491E-11	4.97694E-10	-0.22378	hypo	sig	chr8_20249922
chr5	1.33E+08	132831484	+	4.529E-11	5.01793E-10	-0.20238	hypo	sig	chr5_132831484
chr16	31569650	31569650	+	4.537E-11	5.02582E-10	0.237269	hyper	sig	chr16_31569650
chr20	46122466	46122466	+	4.537E-11	5.02672E-10	-0.21959	hypo	sig	chr20_46122466
chr4	1.69E+08	168877780	+	4.543E-11	5.03265E-10	0.211772	hyper	sig	chr4_168877780
chr6	32149006	32149006	+	4.545E-11	5.03481E-10	0.212858	hyper	sig	chr6_32149006
chr7	1705627	1705627	+	4.55E-11	5.04014E-10	-0.21535	hypo	sig	chr7_1705627
chr19	17998116	17998116	+	4.553E-11	5.04348E-10	-0.27777	hypo	sig	chr19_17998116

chr6	29975687	29975687	+	4.556E-11	5.04663E-10	0.218304	hyper	sig	chr6_29975687
chr16	51150036	51150036	+	4.593E-11	5.08566E-10	0.218647	hyper	sig	chr16_51150036
chr12	1.15E+08	114669531	+	4.6E-11	5.09336E-10	-0.26212	hypo	sig	chr12_114669531
chr20	46011710	46011710	+	4.606E-11	5.09978E-10	0.224871	hyper	sig	chr20_46011710
chr8	37940038	37940038	+	4.619E-11	5.11427E-10	-0.21153	hypo	sig	chr8_37940038
chr16	3184011	3184011	+	4.624E-11	5.11918E-10	0.23121	hyper	sig	chr16_3184011
chr12	1.13E+08	113480236	+	4.625E-11	5.12042E-10	0.205451	hyper	sig	chr12_113480236
chr11	45696867	45696867	+	4.626E-11	5.12083E-10	-0.20582	hypo	sig	chr11_45696867
chr15	89221830	89221830	+	4.648E-11	5.14377E-10	-0.25973	hypo	sig	chr15_89221830
chr19	45952952	45952952	+	4.664E-11	5.16092E-10	0.249381	hyper	sig	chr19_45952952
chr3	1.98E+08	197520065	+	4.665E-11	5.16245E-10	-0.25516	hypo	sig	chr3_197520065
chr11	4212251	4212251	+	4.673E-11	5.17018E-10	0.222826	hyper	sig	chr11_4212251
chr2	91443020	91443020	+	4.685E-11	5.18317E-10	0.236092	hyper	sig	chr2_91443020
chr15	52795035	52795035	+	4.689E-11	5.18696E-10	0.240662	hyper	sig	chr15_52795035
chr2	1.77E+08	177198302	+	4.689E-11	5.18764E-10	-0.25113	hypo	sig	chr2_177198302
chr12	1.32E+08	132215309	+	4.69E-11	5.18841E-10	-0.20012	hypo	sig	chr12_132215309
chr2	1.15E+08	115162944	+	4.704E-11	5.20354E-10	0.207067	hyper	sig	chr2_115162944
chr11	82732405	82732405	+	4.719E-11	5.21955E-10	0.217872	hyper	sig	chr11_82732405
chr19	33222837	33222837	+	4.723E-11	5.22365E-10	-0.28283	hypo	sig	chr19_33222837
chr11	1.32E+08	131691862	+	4.782E-11	5.28672E-10	0.205364	hyper	sig	chr11_131691862
chr1	32465578	32465578	+	4.783E-11	5.28823E-10	0.205565	hyper	sig	chr1_32465578
chr7	1.58E+08	157854615	+	4.811E-11	5.31726E-10	-0.21401	hypo	sig	chr7_157854615
chr1	18113871	18113871	+	4.813E-11	5.32003E-10	-0.2188	hypo	sig	chr1_18113871
chr1	1.52E+08	151838894	+	4.844E-11	5.35303E-10	0.211456	hyper	sig	chr1_151838894
chr19	8603881	8603881	+	4.856E-11	5.36578E-10	-0.21442	hypo	sig	chr19_8603881
chr6	52839560	52839560	+	4.859E-11	5.36869E-10	-0.21307	hypo	sig	chr6_52839560
chr10	1.01E+08	101133043	+	4.861E-11	5.37015E-10	0.201331	hyper	sig	chr10_101133043
chr7	35259025	35259025	+	4.876E-11	5.38676E-10	0.202642	hyper	sig	chr7_35259025
chr1	1.71E+08	170669796	+	4.883E-11	5.39372E-10	0.219642	hyper	sig	chr1_170669796
chr10	1.23E+08	122822210	+	4.898E-11	5.40917E-10	-0.22714	hypo	sig	chr10_122822210
chr19	48444321	48444321	+	4.905E-11	5.41728E-10	0.20743	hyper	sig	chr19_48444321
chr3	53496048	53496048	+	4.928E-11	5.44219E-10	0.206204	hyper	sig	chr3_53496048
chr6	3752495	3752495	+	4.93E-11	5.44396E-10	0.207671	hyper	sig	chr6_3752495
chr6	28478706	28478706	+	4.961E-11	5.47711E-10	-0.23914	hypo	sig	chr6_28478706
chr9	96049124	96049124	+	4.964E-11	5.48054E-10	-0.22487	hypo	sig	chr9_96049124
chr5	669558	669558	+	4.966E-11	5.48247E-10	-0.20118	hypo	sig	chr5_669558
chr2	1.69E+08	169480327	+	4.968E-11	5.48472E-10	-0.21912	hypo	sig	chr2_169480327
chr12	1.32E+08	132202831	+	4.98E-11	5.49683E-10	-0.22255	hypo	sig	chr12_132202831
chr10	80409433	80409433	+	4.998E-11	5.51551E-10	-0.20061	hypo	sig	chr10_80409433
chr1	42886981	42886981	+	5.011E-11	5.5295E-10	-0.27499	hypo	sig	chr1_42886981
chr6	1.46E+08	146434567	+	5.011E-11	5.53006E-10	0.217796	hyper	sig	chr6_146434567
chr11	1.34E+08	134277631	+	5.015E-11	5.53412E-10	0.272874	hyper	sig	chr11_134277631
chr2	6281807	6281807	+	5.029E-11	5.54887E-10	-0.22784	hypo	sig	chr2_6281807
chr7	1242504	1242504	+	5.035E-11	5.5559E-10	0.231709	hyper	sig	chr7_1242504
chr5	1.36E+08	136444419	+	5.037E-11	5.55809E-10	-0.24146	hypo	sig	chr5_136444419
chr1	2806269	2806269	+	5.038E-11	5.55859E-10	-0.21345	hypo	sig	chr1_2806269
chr19	4283176	4283176	+	5.046E-11	5.5673E-10	-0.21361	hypo	sig	chr19_4283176
chr6	29975678	29975678	+	5.062E-11	5.58398E-10	0.218705	hyper	sig	chr6_29975678
chr7	75394478	75394478	+	5.067E-11	5.58871E-10	-0.21569	hypo	sig	chr7_75394478
chr17	969530	969530	+	5.068E-11	5.58965E-10	-0.20221	hypo	sig	chr17_969530
chr5	1.78E+08	177604207	+	5.074E-11	5.59594E-10	-0.21577	hypo	sig	chr5_177604207
chr19	34577969	34577969	+	5.104E-11	5.62803E-10	0.237973	hyper	sig	chr19_34577969
chr4	55124808	55124808	+	5.109E-11	5.63268E-10	0.204384	hyper	sig	chr4_55124808
chr19	728378	728378	+	5.11E-11	5.6341E-10	-0.20688	hypo	sig	chr19_728378
chr6	1.01E+08	101402467	+	5.118E-11	5.64285E-10	0.207038	hyper	sig	chr6_101402467
chr1	2.05E+08	205013544	+	5.141E-11	5.66692E-10	-0.23752	hypo	sig	chr1_205013544

chr18	11150044	11150044	+	5.141E-11	5.66692E-10	0.210385	hyper	sig	chr18_11150044
chr10	1.33E+08	132817041	+	5.149E-11	5.67504E-10	-0.2229	hypo	sig	chr10_132817041
chr1	1.44E+08	143675636	+	5.189E-11	5.71763E-10	0.201886	hyper	sig	chr1_143675636
chr22	22508164	22508164	+	5.203E-11	5.73262E-10	0.245302	hyper	sig	chr22_22508164
chr5	539114	539114	+	5.239E-11	5.77009E-10	-0.20032	hypo	sig	chr5_539114
chr20	23630198	23630198	+	5.247E-11	5.7792E-10	-0.21121	hypo	sig	chr20_23630198
chr21	45409975	45409975	+	5.256E-11	5.7891E-10	-0.21538	hypo	sig	chr21_45409975
chr15	74124925	74124925	+	5.279E-11	5.81368E-10	-0.2265	hypo	sig	chr15_74124925
chr10	84244736	84244736	+	5.28E-11	5.81435E-10	-0.24726	hypo	sig	chr10_84244736
chr8	64378335	64378335	+	5.28E-11	5.81435E-10	0.233647	hyper	sig	chr8_64378335
chr6	30685753	30685753	+	5.294E-11	5.82967E-10	0.212461	hyper	sig	chr6_30685753
chr12	55637309	55637309	+	5.295E-11	5.83071E-10	-0.23678	hypo	sig	chr12_55637309
chr21	36694671	36694671	+	5.304E-11	5.8402E-10	0.201088	hyper	sig	chr21_36694671
chr5	79069774	79069774	+	5.315E-11	5.8514E-10	0.262466	hyper	sig	chr5_79069774
chr2	2.01E+08	200586245	+	5.34E-11	5.87773E-10	0.211301	hyper	sig	chr2_200586245
chr5	1.16E+08	115963349	+	5.36E-11	5.89953E-10	0.23146	hyper	sig	chr5_115963349
chr19	38564900	38564900	+	5.382E-11	5.92201E-10	0.205218	hyper	sig	chr19_38564900
chr1	1.51E+08	150877488	+	5.391E-11	5.93195E-10	-0.20546	hypo	sig	chr1_150877488
chr6	1.08E+08	108166246	+	5.402E-11	5.9435E-10	0.237763	hyper	sig	chr6_108166246
chr3	58586842	58586842	+	5.404E-11	5.94471E-10	0.251951	hyper	sig	chr3_58586842
chr17	5500051	5500051	+	5.42E-11	5.9615E-10	0.222063	hyper	sig	chr17_5500051
chr9	1.21E+08	120842286	+	5.426E-11	5.96837E-10	0.203313	hyper	sig	chr9_120842286
chr6	1.34E+08	133889607	+	5.427E-11	5.96933E-10	0.219075	hyper	sig	chr6_133889607
chr15	23897767	23897767	+	5.435E-11	5.97693E-10	0.221481	hyper	sig	chr15_23897767
chr17	78232228	78232228	+	5.435E-11	5.97781E-10	0.207217	hyper	sig	chr17_78232228
chr12	45051602	45051602	+	5.467E-11	6.00991E-10	0.23266	hyper	sig	chr12_45051602
chr7	1.29E+08	128794557	+	5.492E-11	6.03599E-10	-0.20007	hypo	sig	chr7_128794557
chr10	1.19E+08	118595830	+	5.494E-11	6.03804E-10	0.207667	hyper	sig	chr10_118595830
chr2	1.35E+08	134717808	+	5.497E-11	6.04171E-10	0.243851	hyper	sig	chr2_134717808
chr19	2390071	2390071	+	5.499E-11	6.04327E-10	-0.2252	hypo	sig	chr19_2390071
chr14	1.05E+08	104844321	+	5.524E-11	6.07019E-10	0.202835	hyper	sig	chr14_104844321
chr20	52104663	52104663	+	5.53E-11	6.077E-10	0.221584	hyper	sig	chr20_52104663
chr17	48594597	48594597	+	5.539E-11	6.08631E-10	-0.20669	hypo	sig	chr17_48594597
chr8	1.41E+08	140564063	+	5.547E-11	6.09427E-10	-0.21763	hypo	sig	chr8_140564063
chr4	213419	213419	+	5.548E-11	6.09573E-10	0.215119	hyper	sig	chr4_213419
chr4	93834648	93834648	+	5.558E-11	6.10669E-10	0.206239	hyper	sig	chr4_93834648
chr5	485344	485344	+	5.57E-11	6.11888E-10	-0.22832	hypo	sig	chr5_485344
chr17	65541593	65541593	+	5.571E-11	6.11934E-10	-0.25519	hypo	sig	chr17_65541593
chr10	26438233	26438233	+	5.585E-11	6.13392E-10	0.220128	hyper	sig	chr10_26438233
chr4	54101474	54101474	+	5.593E-11	6.14304E-10	0.213055	hyper	sig	chr4_54101474
chr15	96777394	96777394	+	5.599E-11	6.14854E-10	-0.20475	hypo	sig	chr15_96777394
chr6	33793772	33793772	+	5.61E-11	6.16088E-10	-0.20646	hypo	sig	chr6_33793772
chr1	1.15E+08	115338523	+	5.611E-11	6.16136E-10	0.20496	hyper	sig	chr1_115338523
chr19	39265623	39265623	+	5.622E-11	6.17358E-10	0.241903	hyper	sig	chr19_39265623
chr16	56523485	56523485	+	5.652E-11	6.20385E-10	-0.24237	hypo	sig	chr16_56523485
chr17	5505074	5505074	+	5.658E-11	6.21027E-10	-0.25561	hypo	sig	chr17_5505074
chr11	1929273	1929273	+	5.666E-11	6.21923E-10	-0.21322	hypo	sig	chr11_1929273
chr19	42529622	42529622	+	5.675E-11	6.2288E-10	-0.21	hypo	sig	chr19_42529622
chr7	23247605	23247605	+	5.676E-11	6.2292E-10	0.241312	hyper	sig	chr7_23247605
chr13	19177060	19177060	+	5.678E-11	6.23122E-10	-0.20228	hypo	sig	chr13_19177060
chr8	22928816	22928816	+	5.679E-11	6.23214E-10	-0.21303	hypo	sig	chr8_22928816
chr11	64972149	64972149	+	5.692E-11	6.24684E-10	0.305697	hyper	sig	chr11_64972149
chr11	71424195	71424195	+	5.7E-11	6.25472E-10	-0.23626	hypo	sig	chr11_71424195
chr3	38645321	38645321	+	5.721E-11	6.27645E-10	-0.20899	hypo	sig	chr3_38645321
chr4	1.39E+08	139279678	+	5.721E-11	6.27656E-10	0.20081	hyper	sig	chr4_139279678
chr12	29784628	29784628	+	5.721E-11	6.2768E-10	0.232637	hyper	sig	chr12_29784628

chr5	1.77E+08	177474780	+	5.723E-11	6.27926E-10	-0.20797	hypo	sig	chr5_177474780
chr13	27821217	27821217	+	5.724E-11	6.27968E-10	0.207938	hyper	sig	chr13_27821217
chr10	1.01E+08	101135349	+	5.727E-11	6.2833E-10	0.20353	hyper	sig	chr10_101135349
chr12	1.33E+08	132605048	+	5.728E-11	6.28334E-10	-0.22068	hypo	sig	chr12_132605048
chr2	27573078	27573078	+	5.754E-11	6.3117E-10	-0.26535	hypo	sig	chr2_27573078
chr12	1.13E+08	113483397	+	5.766E-11	6.32453E-10	-0.22312	hypo	sig	chr12_113483397
chr7	1.54E+08	153887314	+	5.777E-11	6.33527E-10	0.233026	hyper	sig	chr7_153887314
chr16	160834	160834	+	5.795E-11	6.3545E-10	-0.24148	hypo	sig	chr16_160834
chr3	1.92E+08	192410162	+	5.799E-11	6.35878E-10	0.265024	hyper	sig	chr3_192410162
chr19	45250311	45250311	+	5.805E-11	6.36497E-10	-0.23272	hypo	sig	chr19_45250311
chr7	5478736	5478736	+	5.805E-11	6.36507E-10	0.203041	hyper	sig	chr7_5478736
chr3	1.25E+08	125141929	+	5.807E-11	6.36744E-10	0.261689	hyper	sig	chr3_125141929
chr5	51382528	51382528	+	5.815E-11	6.37563E-10	0.229156	hyper	sig	chr5_51382528
chr5	19988569	19988569	+	5.828E-11	6.39003E-10	0.21663	hyper	sig	chr5_19988569
chr3	1.28E+08	128493420	+	5.83E-11	6.39142E-10	0.204499	hyper	sig	chr3_128493420
chr17	35432629	35432629	+	5.884E-11	6.44897E-10	0.210562	hyper	sig	chr17_35432629
chr8	1.01E+08	101078059	+	5.889E-11	6.45396E-10	-0.22118	hypo	sig	chr8_101078059
chr5	1.6E+08	159769335	+	5.89E-11	6.45493E-10	-0.27209	hypo	sig	chr5_159769335
chr19	19211754	19211754	+	5.911E-11	6.47727E-10	0.2436	hyper	sig	chr19_19211754
chr19	53989813	53989813	+	5.939E-11	6.50727E-10	-0.23549	hypo	sig	chr19_53989813
chr16	813303	813303	+	5.943E-11	6.51068E-10	0.264585	hyper	sig	chr16_813303
chr2	30230933	30230933	+	5.947E-11	6.51593E-10	0.274338	hyper	sig	chr2_30230933
chr3	65356541	65356541	+	5.952E-11	6.52068E-10	0.250739	hyper	sig	chr3_65356541
chr3	32817624	32817624	+	5.954E-11	6.52296E-10	0.200277	hyper	sig	chr3_32817624
chr10	1.17E+08	117132677	+	5.959E-11	6.52733E-10	0.206062	hyper	sig	chr10_117132677
chr14	1.01E+08	100824675	+	5.96E-11	6.52877E-10	-0.23043	hypo	sig	chr14_100824675
chr2	662602	662602	+	5.978E-11	6.54656E-10	-0.20443	hypo	sig	chr2_662602
chr10	15718944	15718944	+	5.98E-11	6.54952E-10	0.219705	hyper	sig	chr10_15718944
chr10	81505466	81505466	+	5.993E-11	6.56335E-10	-0.22312	hypo	sig	chr10_81505466
chr1	1.17E+08	117093917	+	6.004E-11	6.57431E-10	-0.20124	hypo	sig	chr1_117093917
chr8	64378330	64378330	+	6.005E-11	6.57511E-10	0.234737	hyper	sig	chr8_64378330
chr1	2.01E+08	201127152	+	6.016E-11	6.58668E-10	-0.21159	hypo	sig	chr1_201127152
chr1	1.56E+08	156161498	+	6.034E-11	6.60533E-10	0.279582	hyper	sig	chr1_156161498
chr6	10390099	10390099	+	6.034E-11	6.60536E-10	0.257424	hyper	sig	chr6_10390099
chr1	92441882	92441882	+	6.037E-11	6.60854E-10	-0.21309	hypo	sig	chr1_92441882
chr2	15588407	15588407	+	6.039E-11	6.61036E-10	-0.24717	hypo	sig	chr2_15588407
chr7	1.29E+08	128903345	+	6.042E-11	6.61303E-10	-0.21462	hypo	sig	chr7_128903345
chr8	1.01E+08	101493113	+	6.042E-11	6.61303E-10	-0.20253	hypo	sig	chr8_101493113
chr11	14904926	14904926	+	6.045E-11	6.61623E-10	0.237153	hyper	sig	chr11_14904926
chr19	53058109	53058109	+	6.046E-11	6.61763E-10	0.206896	hyper	sig	chr19_53058109
chr7	76285694	76285694	+	6.056E-11	6.62806E-10	-0.20193	hypo	sig	chr7_76285694
chr1	99005822	99005822	+	6.075E-11	6.64843E-10	0.238279	hyper	sig	chr1_99005822
chr4	80264103	80264103	+	6.077E-11	6.6504E-10	0.268108	hyper	sig	chr4_80264103
chr19	35358281	35358281	+	6.079E-11	6.65164E-10	-0.20464	hypo	sig	chr19_35358281
chr4	1.9E+08	190019435	+	6.081E-11	6.65368E-10	0.214566	hyper	sig	chr4_190019435
chr14	60654033	60654033	+	6.083E-11	6.65643E-10	0.217032	hyper	sig	chr14_60654033
chr20	54476600	54476600	+	6.085E-11	6.6582E-10	0.204858	hyper	sig	chr20_54476600
chr2	2.19E+08	218859072	+	6.087E-11	6.6606E-10	0.203925	hyper	sig	chr2_218859072
chr18	80077547	80077547	+	6.095E-11	6.66821E-10	-0.21565	hypo	sig	chr18_80077547
chr8	1.43E+08	143355701	+	6.096E-11	6.6692E-10	0.206115	hyper	sig	chr8_143355701
chr4	6566302	6566302	+	6.097E-11	6.6707E-10	-0.21377	hypo	sig	chr4_6566302
chr2	1.82E+08	181678608	+	6.117E-11	6.69152E-10	0.286552	hyper	sig	chr2_181678608
chr4	1.11E+08	110639302	+	6.131E-11	6.70552E-10	0.263222	hyper	sig	chr4_110639302
chr11	2345104	2345104	+	6.142E-11	6.71716E-10	-0.21742	hypo	sig	chr11_2345104
chr19	13014259	13014259	+	6.15E-11	6.72563E-10	0.224342	hyper	sig	chr19_13014259
chr15	64894132	64894132	+	6.152E-11	6.72749E-10	0.214877	hyper	sig	chr15_64894132

chr3	42686311	42686311	+	6.173E-11	6.74986E-10	0.205974	hyper	sig	chr3_42686311
chr9	62800204	62800204	+	6.182E-11	6.76022E-10	0.203305	hyper	sig	chr9_62800204
chr12	34338260	34338260	+	6.188E-11	6.76577E-10	-0.20524	hypo	sig	chr12_34338260
chr19	731163	731163	+	6.201E-11	6.77957E-10	-0.244	hypo	sig	chr19_731163
chr13	48318956	48318956	+	6.251E-11	6.83111E-10	0.206236	hyper	sig	chr13_48318956
chr19	55500206	55500206	+	6.256E-11	6.83658E-10	-0.21995	hypo	sig	chr19_55500206
chr3	75590446	75590446	+	6.256E-11	6.83675E-10	-0.27357	hypo	sig	chr3_75590446
chr2	2.22E+08	222295150	+	6.257E-11	6.8378E-10	0.231778	hyper	sig	chr2_222295150
chr15	69026364	69026364	+	6.297E-11	6.87957E-10	-0.23675	hypo	sig	chr15_69026364
chr4	1.83E+08	182807043	+	6.3E-11	6.88236E-10	0.242646	hyper	sig	chr4_182807043
chr4	7184411	7184411	+	6.31E-11	6.89301E-10	-0.20842	hypo	sig	chr4_7184411
chr14	85529499	85529499	+	6.316E-11	6.89847E-10	0.302291	hyper	sig	chr14_85529499
chr1	13430787	13430787	+	6.318E-11	6.90146E-10	-0.23069	hypo	sig	chr1_13430787
chr12	1.09E+08	108582917	+	6.331E-11	6.91476E-10	-0.2161	hypo	sig	chr12_108582917
chr2	47534313	47534313	+	6.333E-11	6.91692E-10	-0.20569	hypo	sig	chr2_47534313
chr11	1090706	1090706	+	6.335E-11	6.91892E-10	-0.25016	hypo	sig	chr11_1090706
chr8	67953037	67953037	+	6.338E-11	6.92157E-10	0.265761	hyper	sig	chr8_67953037
chr2	20106986	20106986	+	6.35E-11	6.93404E-10	0.222255	hyper	sig	chr2_20106986
chr17	63435210	63435210	+	6.35E-11	6.93415E-10	-0.26791	hypo	sig	chr17_63435210
chr11	59898858	59898858	+	6.351E-11	6.93494E-10	-0.21926	hypo	sig	chr11_59898858
chr4	72569743	72569743	+	6.38E-11	6.96543E-10	0.228191	hyper	sig	chr4_72569743
chr3	1.97E+08	196526740	+	6.382E-11	6.96815E-10	-0.21706	hypo	sig	chr3_196526740
chr17	65536512	65536512	+	6.387E-11	6.97243E-10	-0.2118	hypo	sig	chr17_65536512
chr2	2.4E+08	239724504	+	6.402E-11	6.98865E-10	-0.23864	hypo	sig	chr2_239724504
chr16	1486370	1486370	+	6.411E-11	6.99795E-10	-0.21369	hypo	sig	chr16_1486370
chr2	1.05E+08	105395270	+	6.444E-11	7.03337E-10	-0.20763	hypo	sig	chr2_105395270
chr10	1.01E+08	101135929	+	6.445E-11	7.03456E-10	0.218829	hyper	sig	chr10_101135929
chr8	70071580	70071580	+	6.458E-11	7.04819E-10	0.2264	hyper	sig	chr8_70071580
chr11	18791083	18791083	+	6.471E-11	7.06152E-10	0.294615	hyper	sig	chr11_18791083
chr11	46295933	46295933	+	6.48E-11	7.0707E-10	0.235648	hyper	sig	chr11_46295933
chr2	74909437	74909437	+	6.499E-11	7.09096E-10	-0.26925	hypo	sig	chr2_74909437
chr4	1.47E+08	146636937	+	6.499E-11	7.09096E-10	0.246638	hyper	sig	chr4_146636937
chr2	91443018	91443018	+	6.527E-11	7.12044E-10	0.241995	hyper	sig	chr2_91443018
chr7	6953898	6953898	+	6.537E-11	7.13045E-10	-0.25592	hypo	sig	chr7_6953898
chr1	42145242	42145242	+	6.571E-11	7.16622E-10	-0.20016	hypo	sig	chr1_42145242
chr12	1.15E+08	114665531	+	6.587E-11	7.18308E-10	0.231291	hyper	sig	chr12_114665531
chr7	94666979	94666979	+	6.588E-11	7.18369E-10	-0.22455	hypo	sig	chr7_94666979
chr16	51113936	51113936	+	6.608E-11	7.20526E-10	0.202913	hyper	sig	chr16_51113936
chr7	95773261	95773261	+	6.648E-11	7.24718E-10	0.225998	hyper	sig	chr7_95773261
chr9	1.32E+08	132482515	+	6.658E-11	7.25793E-10	-0.25891	hypo	sig	chr9_132482515
chr19	814469	814469	+	6.666E-11	7.26574E-10	-0.22389	hypo	sig	chr19_814469
chr5	1.79E+08	178940569	+	6.673E-11	7.27355E-10	0.211795	hyper	sig	chr5_178940569
chr9	74501168	74501168	+	6.681E-11	7.28169E-10	0.207864	hyper	sig	chr9_74501168
chr9	1.32E+08	132482482	+	6.701E-11	7.30264E-10	-0.27552	hypo	sig	chr9_132482482
chr10	43574000	43574000	+	6.709E-11	7.31129E-10	0.253123	hyper	sig	chr10_43574000
chr2	38960678	38960678	+	6.748E-11	7.35285E-10	0.257188	hyper	sig	chr2_38960678
chr8	23714218	23714218	+	6.765E-11	7.37046E-10	0.211315	hyper	sig	chr8_23714218
chr12	1.33E+08	132887003	+	6.778E-11	7.38449E-10	0.201267	hyper	sig	chr12_132887003
chr3	49871273	49871273	+	6.797E-11	7.40426E-10	-0.23935	hypo	sig	chr3_49871273
chr2	96761749	96761749	+	6.798E-11	7.40529E-10	-0.2196	hypo	sig	chr2_96761749
chr10	23190481	23190481	+	6.811E-11	7.41891E-10	0.228608	hyper	sig	chr10_23190481
chr2	2.22E+08	222304884	+	6.846E-11	7.4557E-10	0.200813	hyper	sig	chr2_222304884
chr19	38744187	38744187	+	6.859E-11	7.46946E-10	-0.20166	hypo	sig	chr19_38744187
chr6	10384872	10384872	+	6.868E-11	7.47875E-10	0.214629	hyper	sig	chr6_10384872
chr16	67164195	67164195	+	6.883E-11	7.49352E-10	0.200398	hyper	sig	chr16_67164195
chr4	1.54E+08	153759627	+	6.894E-11	7.50524E-10	0.200682	hyper	sig	chr4_153759627

chr7	1.01E+08	101237738	+	6.896E-11	7.50763E-10	0.219694	hyper	sig	chr7_101237738
chr16	3183376	3183376	+	6.9E-11	7.51184E-10	0.215846	hyper	sig	chr16_3183376
chr6	52839584	52839584	+	6.906E-11	7.51805E-10	-0.20925	hypo	sig	chr6_52839584
chr16	31569616	31569616	+	6.919E-11	7.53131E-10	0.229572	hyper	sig	chr16_31569616
chr19	51601173	51601173	+	6.938E-11	7.55111E-10	0.227395	hyper	sig	chr19_51601173
chr7	1234472	1234472	+	6.956E-11	7.57051E-10	0.222932	hyper	sig	chr7_1234472
chr3	1.86E+08	186361298	+	6.98E-11	7.5959E-10	0.227617	hyper	sig	chr3_186361298
chr17	8347305	8347305	+	6.989E-11	7.60496E-10	0.237841	hyper	sig	chr17_8347305
chr1	2584335	2584335	+	6.989E-11	7.60525E-10	-0.21134	hypo	sig	chr1_2584335
chr12	1.23E+08	122730312	+	7.027E-11	7.6449E-10	-0.20364	hypo	sig	chr12_122730312
chr12	53973466	53973466	+	7.03E-11	7.6485E-10	0.221663	hyper	sig	chr12_53973466
chr7	4144776	4144776	+	7.033E-11	7.6511E-10	0.231535	hyper	sig	chr7_4144776
chr2	2.18E+08	217755021	+	7.034E-11	7.6524E-10	-0.2082	hypo	sig	chr2_217755021
chr5	1.78E+08	178078511	+	7.042E-11	7.6604E-10	-0.23967	hypo	sig	chr5_178078511
chr8	25002022	25002022	+	7.046E-11	7.66468E-10	0.206456	hyper	sig	chr8_25002022
chr10	68561823	68561823	+	7.053E-11	7.67158E-10	0.225965	hyper	sig	chr10_68561823
chr20	58841538	58841538	+	7.086E-11	7.70682E-10	0.210373	hyper	sig	chr20_58841538
chr9	36169952	36169952	+	7.113E-11	7.73506E-10	-0.20255	hypo	sig	chr9_36169952
chr19	12752726	12752726	+	7.118E-11	7.74002E-10	-0.24668	hypo	sig	chr19_12752726
chr19	5346226	5346226	+	7.137E-11	7.76022E-10	-0.20731	hypo	sig	chr19_5346226
chr10	43605965	43605965	+	7.15E-11	7.77338E-10	-0.27231	hypo	sig	chr10_43605965
chr13	22848916	22848916	+	7.168E-11	7.79218E-10	-0.20087	hypo	sig	chr13_22848916
chr7	79454527	79454527	+	7.17E-11	7.79417E-10	0.255942	hyper	sig	chr7_79454527
chr4	75631170	75631170	+	7.176E-11	7.80055E-10	0.217815	hyper	sig	chr4_75631170
chr1	16227778	16227778	+	7.178E-11	7.80198E-10	0.220508	hyper	sig	chr1_16227778
chr9	1.22E+08	122124797	+	7.182E-11	7.8064E-10	-0.24106	hypo	sig	chr9_122124797
chr6	1.06E+08	105981144	+	7.183E-11	7.80753E-10	0.237265	hyper	sig	chr6_105981144
chr19	36605492	36605492	+	7.184E-11	7.80881E-10	0.272907	hyper	sig	chr19_36605492
chr11	7254514	7254514	+	7.197E-11	7.8214E-10	-0.25738	hypo	sig	chr11_7254514
chr6	1.46E+08	146027866	+	7.203E-11	7.8278E-10	0.207549	hyper	sig	chr6_146027866
chr11	64972164	64972164	+	7.225E-11	7.85073E-10	0.303857	hyper	sig	chr11_64972164
chr8	54454216	54454216	+	7.229E-11	7.855E-10	0.232927	hyper	sig	chr8_54454216
chr1	1.8E+08	179812641	+	7.245E-11	7.87155E-10	-0.24454	hypo	sig	chr1_179812641
chr8	56113684	56113684	+	7.252E-11	7.87962E-10	0.202288	hyper	sig	chr8_56113684
chr7	1.51E+08	151275122	+	7.255E-11	7.88197E-10	-0.26921	hypo	sig	chr7_151275122
chr9	1.09E+08	109167423	+	7.298E-11	7.92708E-10	0.274236	hyper	sig	chr9_109167423
chr19	53907948	53907948	+	7.322E-11	7.95123E-10	0.237862	hyper	sig	chr19_53907948
chr19	13014274	13014274	+	7.349E-11	7.98054E-10	0.238593	hyper	sig	chr19_13014274
chr10	1.24E+08	123665720	+	7.357E-11	7.98868E-10	0.245533	hyper	sig	chr10_123665720
chr22	50041558	50041558	+	7.359E-11	7.98989E-10	-0.21633	hypo	sig	chr22_50041558
chr22	18111411	18111411	+	7.368E-11	7.99922E-10	0.210673	hyper	sig	chr22_18111411
chr11	1048506	1048506	+	7.372E-11	8.00394E-10	-0.20986	hypo	sig	chr11_1048506
chr11	46361444	46361444	+	7.374E-11	8.00535E-10	0.227856	hyper	sig	chr11_46361444
chr20	38674831	38674831	+	7.383E-11	8.01464E-10	0.2661	hyper	sig	chr20_38674831
chr1	1958537	1958537	+	7.383E-11	8.01508E-10	-0.2476	hypo	sig	chr1_1958537
chr16	66975323	66975323	+	7.398E-11	8.03038E-10	-0.25616	hypo	sig	chr16_66975323
chr7	1.59E+08	159027044	+	7.403E-11	8.03556E-10	-0.22322	hypo	sig	chr7_159027044
chr2	2.42E+08	241645943	+	7.407E-11	8.03913E-10	0.206489	hyper	sig	chr2_241645943
chr15	90004747	90004747	+	7.414E-11	8.04637E-10	-0.24868	hypo	sig	chr15_90004747
chr15	90992988	90992988	+	7.418E-11	8.05052E-10	-0.23448	hypo	sig	chr15_90992988
chr13	1.12E+08	112331774	+	7.431E-11	8.06442E-10	0.20283	hyper	sig	chr13_112331774
chr12	6708423	6708423	+	7.434E-11	8.06707E-10	-0.23051	hypo	sig	chr12_6708423
chr1	1.52E+08	151846446	+	7.443E-11	8.07707E-10	-0.2297	hypo	sig	chr1_151846446
chr5	1.32E+08	132260339	+	7.452E-11	8.08547E-10	-0.21059	hypo	sig	chr5_132260339
chr15	59996271	59996271	+	7.486E-11	8.12092E-10	0.215248	hyper	sig	chr15_59996271
chr2	88453171	88453171	+	7.494E-11	8.1298E-10	0.209838	hyper	sig	chr2_88453171

chr12	139943	139943	+	7.511E-11	8.1469E-10	0.208509	hyper	sig	chr12_139943
chr20	45316845	45316845	+	7.549E-11	8.18719E-10	0.287339	hyper	sig	chr20_45316845
chr7	1E+08	100122315	+	7.563E-11	8.20136E-10	-0.22805	hypo	sig	chr7_100122315
chr9	1.19E+08	119369164	+	7.564E-11	8.20291E-10	0.22824	hyper	sig	chr9_119369164
chr12	62191740	62191740	+	7.573E-11	8.21226E-10	0.203688	hyper	sig	chr12_62191740
chr13	26012426	26012426	+	7.577E-11	8.21647E-10	0.20296	hyper	sig	chr13_26012426
chr20	765318	765318	+	7.612E-11	8.25166E-10	0.271159	hyper	sig	chr20_765318
chr8	67952294	67952294	+	7.618E-11	8.25873E-10	0.217308	hyper	sig	chr8_67952294
chr16	88727502	88727502	+	7.625E-11	8.26544E-10	0.21169	hyper	sig	chr16_88727502
chr1	3122535	3122535	+	7.627E-11	8.26795E-10	-0.21532	hypo	sig	chr1_3122535
chr2	7429747	7429747	+	7.636E-11	8.27721E-10	-0.22096	hypo	sig	chr2_7429747
chr2	2.13E+08	212536997	+	7.669E-11	8.31075E-10	0.237494	hyper	sig	chr2_212536997
chr7	1158943	1158943	+	7.683E-11	8.32537E-10	-0.22244	hypo	sig	chr7_1158943
chr5	1.29E+08	128965015	+	7.694E-11	8.33658E-10	0.309416	hyper	sig	chr5_128965015
chr10	1.23E+08	122954694	+	7.697E-11	8.33961E-10	0.203329	hyper	sig	chr10_122954694
chr13	20301869	20301869	+	7.703E-11	8.34573E-10	0.232027	hyper	sig	chr13_20301869
chr9	1.33E+08	133205661	+	7.768E-11	8.41293E-10	-0.20556	hypo	sig	chr9_133205661
chr5	1.73E+08	173243851	+	7.781E-11	8.42733E-10	0.20855	hyper	sig	chr5_173243851
chr4	305288	305288	+	7.791E-11	8.43719E-10	0.201994	hyper	sig	chr4_305288
chr2	42102354	42102354	+	7.798E-11	8.44434E-10	0.247639	hyper	sig	chr2_42102354
chr5	2748016	2748016	+	7.815E-11	8.46094E-10	0.206165	hyper	sig	chr5_2748016
chr5	1.55E+08	154631960	+	7.84E-11	8.48685E-10	-0.27341	hypo	sig	chr5_154631960
chr3	1.82E+08	181724349	+	7.871E-11	8.51917E-10	0.220484	hyper	sig	chr3_181724349
chr19	617348	617348	+	7.873E-11	8.52188E-10	-0.2031	hypo	sig	chr19_617348
chr12	33438573	33438573	+	7.894E-11	8.54313E-10	0.232979	hyper	sig	chr12_33438573
chr10	95230846	95230846	+	7.902E-11	8.55135E-10	0.216556	hyper	sig	chr10_95230846
chr17	48734062	48734062	+	7.951E-11	8.60247E-10	0.228502	hyper	sig	chr17_48734062
chr17	58666917	58666917	+	7.966E-11	8.61852E-10	-0.23514	hypo	sig	chr17_58666917
chr13	1.12E+08	111509194	+	8.022E-11	8.67619E-10	-0.202	hypo	sig	chr13_111509194
chr13	1.13E+08	113420405	+	8.041E-11	8.69575E-10	-0.20085	hypo	sig	chr13_113420405
chr3	1.84E+08	184492451	+	8.045E-11	8.70012E-10	0.238918	hyper	sig	chr3_184492451
chr20	2816226	2816226	+	8.068E-11	8.72409E-10	-0.21749	hypo	sig	chr20_2816226
chr16	1007736	1007736	+	8.082E-11	8.73803E-10	-0.20265	hypo	sig	chr16_1007736
chr3	1.42E+08	141797750	+	8.089E-11	8.74612E-10	0.238384	hyper	sig	chr3_141797750
chr8	54471466	54471466	+	8.13E-11	8.78807E-10	-0.22281	hypo	sig	chr8_54471466
chr4	4864712	4864712	+	8.146E-11	8.80457E-10	0.205104	hyper	sig	chr4_4864712
chr11	20162624	20162624	+	8.156E-11	8.81418E-10	0.216846	hyper	sig	chr11_20162624
chr15	69296691	69296691	+	8.174E-11	8.83361E-10	-0.20097	hypo	sig	chr15_69296691
chr22	19168711	19168711	+	8.19E-11	8.85051E-10	-0.24951	hypo	sig	chr22_19168711
chr18	46654852	46654852	+	8.2E-11	8.8611E-10	-0.21792	hypo	sig	chr18_46654852
chr19	53058067	53058067	+	8.2E-11	8.8611E-10	0.342485	hyper	sig	chr19_53058067
chr20	9506331	9506331	+	8.206E-11	8.86741E-10	0.228633	hyper	sig	chr20_9506331
chr13	35479076	35479076	+	8.215E-11	8.87591E-10	0.210132	hyper	sig	chr13_35479076
chr1	1.46E+08	146486604	+	8.279E-11	8.94291E-10	0.24248	hyper	sig	chr1_146486604
chr11	67573304	67573304	+	8.284E-11	8.94863E-10	-0.22686	hypo	sig	chr11_67573304
chr16	88116627	88116627	+	8.301E-11	8.96525E-10	-0.21837	hypo	sig	chr16_88116627
chr6	10418783	10418783	+	8.312E-11	8.97742E-10	0.234108	hyper	sig	chr6_10418783
chr12	47966196	47966196	+	8.338E-11	9.00379E-10	-0.20306	hypo	sig	chr12_47966196
chr17	19651738	19651738	+	8.345E-11	9.01076E-10	-0.23511	hypo	sig	chr17_19651738
chr6	1.5E+08	150038236	+	8.381E-11	9.04779E-10	0.234433	hyper	sig	chr6_150038236
chr6	32148540	32148540	+	8.392E-11	9.05858E-10	0.224457	hyper	sig	chr6_32148540
chr1	2.07E+08	207496311	+	8.395E-11	9.06254E-10	0.200822	hyper	sig	chr1_207496311
chr3	1.45E+08	145333519	+	8.403E-11	9.0705E-10	-0.22967	hypo	sig	chr3_145333519
chr2	1234751	1234751	+	8.413E-11	9.08007E-10	-0.23811	hypo	sig	chr2_1234751
chr1	1.58E+08	158181667	+	8.426E-11	9.09388E-10	0.225791	hyper	sig	chr1_158181667
chr2	2.22E+08	222303443	+	8.463E-11	9.13122E-10	0.271922	hyper	sig	chr2_222303443

chr5	1193527	1193527	+	8.477E-11	9.14602E-10	-0.21803	hypo	sig	chr5_1193527
chr12	34378588	34378588	+	8.486E-11	9.15494E-10	-0.2073	hypo	sig	chr12_34378588
chr18	57352438	57352438	+	8.503E-11	9.17305E-10	0.26589	hyper	sig	chr18_57352438
chr11	18791092	18791092	+	8.506E-11	9.17648E-10	0.279789	hyper	sig	chr11_18791092
chr12	1.23E+08	122773800	+	8.532E-11	9.20286E-10	-0.22463	hypo	sig	chr12_122773800
chr2	95391938	95391938	+	8.538E-11	9.20896E-10	0.20191	hyper	sig	chr2_95391938
chr7	16527259	16527259	+	8.541E-11	9.21196E-10	-0.20817	hypo	sig	chr7_16527259
chr7	1.01E+08	101094695	+	8.542E-11	9.21234E-10	-0.23651	hypo	sig	chr7_101094695
chr11	64972151	64972151	+	8.559E-11	9.22977E-10	0.309288	hyper	sig	chr11_64972151
chr11	1625920	1625920	+	8.624E-11	9.29603E-10	-0.20715	hypo	sig	chr11_1625920
chr2	1.13E+08	113291530	+	8.625E-11	9.2971E-10	0.202382	hyper	sig	chr2_113291530
chr16	88129314	88129314	+	8.676E-11	9.34948E-10	-0.22226	hypo	sig	chr16_88129314
chr2	1.82E+08	181678167	+	8.692E-11	9.36701E-10	0.20004	hyper	sig	chr2_181678167
chr8	41308634	41308634	+	8.714E-11	9.38916E-10	0.215509	hyper	sig	chr8_41308634
chr5	80565426	80565426	+	8.738E-11	9.41411E-10	-0.22547	hypo	sig	chr5_80565426
chr5	957888	957888	+	8.748E-11	9.42466E-10	-0.21208	hypo	sig	chr5_957888
chr20	46011684	46011684	+	8.78E-11	9.45743E-10	0.239272	hyper	sig	chr20_46011684
chr20	25082230	25082230	+	8.785E-11	9.46232E-10	0.216478	hyper	sig	chr20_25082230
chr10	13892438	13892438	+	8.79E-11	9.46724E-10	0.243756	hyper	sig	chr10_13892438
chr10	70283761	70283761	+	8.808E-11	9.4858E-10	0.230904	hyper	sig	chr10_70283761
chr13	26046599	26046599	+	8.81E-11	9.48772E-10	-0.23077	hypo	sig	chr13_26046599
chr2	2.42E+08	242057198	+	8.816E-11	9.49367E-10	-0.22339	hypo	sig	chr2_242057198
chr1	28590183	28590183	+	8.829E-11	9.50766E-10	-0.21474	hypo	sig	chr1_28590183
chr3	1.42E+08	141797429	+	8.837E-11	9.51589E-10	0.260039	hyper	sig	chr3_141797429
chr1	1.58E+08	158184035	+	8.877E-11	9.55708E-10	-0.24879	hypo	sig	chr1_158184035
chr12	1.09E+08	108732616	+	8.877E-11	9.55743E-10	-0.24689	hypo	sig	chr12_108732616
chr19	50608370	50608370	+	8.889E-11	9.56998E-10	0.228005	hyper	sig	chr19_50608370
chr12	85279422	85279422	+	8.909E-11	9.59026E-10	0.219097	hyper	sig	chr12_85279422
chr19	17682603	17682603	+	8.92E-11	9.6012E-10	-0.24667	hypo	sig	chr19_17682603
chr11	46361448	46361448	+	8.934E-11	9.61547E-10	0.221159	hyper	sig	chr11_46361448
chr2	2.37E+08	236507688	+	8.951E-11	9.63272E-10	0.24278	hyper	sig	chr2_236507688
chr5	1.36E+08	135545312	+	8.953E-11	9.63531E-10	0.223617	hyper	sig	chr5_135545312
chr17	14310541	14310541	+	8.97E-11	9.65268E-10	0.233195	hyper	sig	chr17_14310541
chr5	1.42E+08	141512826	+	8.977E-11	9.65982E-10	0.228297	hyper	sig	chr5_141512826
chr5	1.79E+08	179254007	+	8.979E-11	9.66218E-10	-0.23275	hypo	sig	chr5_179254007
chr12	63149974	63149974	+	9.013E-11	9.6966E-10	0.226575	hyper	sig	chr12_63149974
chr12	1.22E+08	121654369	+	9.038E-11	9.7229E-10	-0.21493	hypo	sig	chr12_121654369
chr17	65536494	65536494	+	9.047E-11	9.73168E-10	-0.2473	hypo	sig	chr17_65536494
chr5	1.78E+08	177503470	+	9.086E-11	9.77272E-10	-0.23086	hypo	sig	chr5_177503470
chr1	1141051	1141051	+	9.097E-11	9.78373E-10	-0.20371	hypo	sig	chr1_1141051
chr10	93066552	93066552	+	9.129E-11	9.81608E-10	0.222063	hyper	sig	chr10_93066552
chr3	63278192	63278192	+	9.154E-11	9.84131E-10	0.20869	hyper	sig	chr3_63278192
chr19	39881786	39881786	+	9.156E-11	9.84355E-10	0.213871	hyper	sig	chr19_39881786
chr15	95327200	95327200	+	9.16E-11	9.84721E-10	0.202226	hyper	sig	chr15_95327200
chr9	63818160	63818160	+	9.175E-11	9.86238E-10	0.200366	hyper	sig	chr9_63818160
chr3	13204609	13204609	+	9.192E-11	9.87989E-10	0.234381	hyper	sig	chr3_13204609
chr11	68354076	68354076	+	9.223E-11	9.91269E-10	-0.20135	hypo	sig	chr11_68354076
chr3	1.3E+08	130003849	+	9.226E-11	9.91581E-10	-0.3	hypo	sig	chr3_130003849
chr4	5955638	5955638	+	9.258E-11	9.94818E-10	-0.21045	hypo	sig	chr4_5955638
chr4	1.6E+08	160481854	+	9.267E-11	9.9582E-10	-0.21309	hypo	sig	chr4_160481854
chr12	21773666	21773666	+	9.287E-11	9.97851E-10	0.246701	hyper	sig	chr12_21773666
chr17	42979535	42979535	+	9.3E-11	9.99167E-10	-0.2316	hypo	sig	chr17_42979535
chr11	31796909	31796909	+	9.303E-11	9.99494E-10	0.225097	hyper	sig	chr11_31796909
chr10	1.33E+08	132627845	+	9.313E-11	1.00052E-09	-0.23683	hypo	sig	chr10_132627845
chr12	48184780	48184780	+	9.347E-11	1.00397E-09	0.205228	hyper	sig	chr12_48184780
chr1	1455785	1455785	+	9.355E-11	1.00482E-09	-0.23861	hypo	sig	chr1_1455785

chr2	2.41E+08	240701787	+	9.377E-11	1.00708E-09	-0.20528	hypo	sig	chr2_240701787
chr11	1.34E+08	134030017	+	9.377E-11	1.00709E-09	-0.21486	hypo	sig	chr11_134030017
chr2	1.3E+08	129932965	+	9.41E-11	1.01056E-09	-0.2771	hypo	sig	chr2_129932965
chr5	1.4E+08	140146364	+	9.412E-11	1.01067E-09	0.270189	hyper	sig	chr5_140146364
chr4	1282762	1282762	+	9.414E-11	1.01089E-09	-0.2256	hypo	sig	chr4_1282762
chr9	37027463	37027463	+	9.419E-11	1.01132E-09	0.214783	hyper	sig	chr9_37027463
chr1	1.71E+08	170660951	+	9.427E-11	1.01216E-09	0.212319	hyper	sig	chr1_170660951
chr17	78936233	78936233	+	9.479E-11	1.0176E-09	-0.33379	hypo	sig	chr17_78936233
chr3	196451	196451	+	9.496E-11	1.01934E-09	0.210627	hyper	sig	chr3_196451
chr20	33687181	33687181	+	9.5E-11	1.01968E-09	-0.22792	hypo	sig	chr20_33687181
chr8	64586065	64586065	+	9.6E-11	1.02992E-09	0.277324	hyper	sig	chr8_64586065
chr9	1.32E+08	132155316	+	9.6E-11	1.02998E-09	-0.20929	hypo	sig	chr9_132155316
chr10	25935010	25935010	+	9.612E-11	1.03124E-09	0.22798	hyper	sig	chr10_25935010
chr11	61921788	61921788	+	9.647E-11	1.0348E-09	-0.23101	hypo	sig	chr11_61921788
chr19	13014270	13014270	+	9.681E-11	1.0384E-09	0.227775	hyper	sig	chr19_13014270
chr19	54102285	54102285	+	9.683E-11	1.03862E-09	-0.22591	hypo	sig	chr19_54102285
chr8	47763086	47763086	+	9.685E-11	1.03879E-09	0.20697	hyper	sig	chr8_47763086
chr12	34165562	34165562	+	9.687E-11	1.03891E-09	-0.20687	hypo	sig	chr12_34165562
chr9	62800447	62800447	+	9.688E-11	1.03908E-09	0.235498	hyper	sig	chr9_62800447
chr5	2749697	2749697	+	9.697E-11	1.03995E-09	0.211478	hyper	sig	chr5_2749697
chr12	1.14E+08	114414470	+	9.699E-11	1.04017E-09	0.208311	hyper	sig	chr12_114414470
chr16	3183721	3183721	+	9.713E-11	1.04154E-09	0.254751	hyper	sig	chr16_3183721
chr4	1.11E+08	110615052	+	9.716E-11	1.0419E-09	0.223272	hyper	sig	chr4_110615052
chr18	37570586	37570586	+	9.718E-11	1.04203E-09	-0.20686	hypo	sig	chr18_37570586
chr6	86937429	86937429	+	9.734E-11	1.04372E-09	0.328726	hyper	sig	chr6_86937429
chr17	36943314	36943314	+	9.761E-11	1.04649E-09	0.204669	hyper	sig	chr17_36943314
chr19	2422038	2422038	+	9.77E-11	1.04746E-09	-0.24634	hypo	sig	chr19_2422038
chr2	63806658	63806658	+	9.819E-11	1.05249E-09	-0.22839	hypo	sig	chr2_63806658
chr16	54290642	54290642	+	9.825E-11	1.05307E-09	0.272053	hyper	sig	chr16_54290642
chr11	1.19E+08	119343944	+	9.842E-11	1.05474E-09	-0.2035	hypo	sig	chr11_119343944
chr3	75668368	75668368	+	9.846E-11	1.05511E-09	0.200741	hyper	sig	chr3_75668368
chr1	92441889	92441889	+	9.865E-11	1.05707E-09	-0.21878	hypo	sig	chr1_92441889
chr2	88169851	88169851	+	9.876E-11	1.05814E-09	-0.21768	hypo	sig	chr2_88169851
chr2	96007176	96007176	+	9.908E-11	1.06139E-09	-0.23268	hypo	sig	chr2_96007176
chr19	19211752	19211752	+	9.925E-11	1.06309E-09	0.239489	hyper	sig	chr19_19211752
chr20	51023517	51023517	+	9.966E-11	1.06733E-09	0.228408	hyper	sig	chr20_51023517
chr5	17488770	17488770	+	9.986E-11	1.06938E-09	-0.21595	hypo	sig	chr5_17488770
chr10	52778523	52778523	+	9.991E-11	1.06988E-09	0.238859	hyper	sig	chr10_52778523
chr6	14001741	14001741	+	1.003E-10	1.07344E-09	-0.21293	hypo	sig	chr6_14001741
chr2	74512292	74512292	+	1.006E-10	1.07686E-09	-0.20207	hypo	sig	chr2_74512292
chr13	91175006	91175006	+	1.007E-10	1.07811E-09	0.321544	hyper	sig	chr13_91175006
chr1	38042483	38042483	+	1.008E-10	1.07917E-09	-0.24197	hypo	sig	chr1_38042483
chr2	5485089	5485089	+	1.01E-10	1.08134E-09	-0.21957	hypo	sig	chr2_5485089
chr18	26551321	26551321	+	1.01E-10	1.08152E-09	0.218462	hyper	sig	chr18_26551321
chr12	1922700	1922700	+	1.012E-10	1.08337E-09	0.202168	hyper	sig	chr12_1922700
chr13	1.08E+08	108495580	+	1.013E-10	1.08389E-09	0.214593	hyper	sig	chr13_108495580
chr12	1.11E+08	110744288	+	1.014E-10	1.08471E-09	-0.20992	hypo	sig	chr12_110744288
chr19	51491498	51491498	+	1.015E-10	1.08621E-09	-0.20869	hypo	sig	chr19_51491498
chr12	1.31E+08	130934193	+	1.016E-10	1.08672E-09	-0.20692	hypo	sig	chr12_130934193
chr16	1299384	1299384	+	1.016E-10	1.08729E-09	-0.20408	hypo	sig	chr16_1299384
chr17	44558539	44558539	+	1.019E-10	1.09042E-09	0.222143	hyper	sig	chr17_44558539
chr19	53883782	53883782	+	1.02E-10	1.09141E-09	0.208085	hyper	sig	chr19_53883782
chr17	32517639	32517639	+	1.021E-10	1.09234E-09	0.202196	hyper	sig	chr17_32517639
chr13	35478546	35478546	+	1.021E-10	1.09245E-09	0.21772	hyper	sig	chr13_35478546
chr1	1.75E+08	175079778	+	1.022E-10	1.09287E-09	-0.21407	hypo	sig	chr1_175079778
chr1	58620044	58620044	+	1.025E-10	1.09602E-09	-0.27185	hypo	sig	chr1_58620044

chr2	20106704	20106704	+	1.03E-10	1.10146E-09	0.30699	hyper	sig	chr2_20106704
chr12	41189912	41189912	+	1.03E-10	1.1015E-09	0.20154	hyper	sig	chr12_41189912
chr6	32056551	32056551	+	1.031E-10	1.10264E-09	-0.21241	hypo	sig	chr6_32056551
chr12	34208119	34208119	+	1.031E-10	1.10267E-09	-0.20622	hypo	sig	chr12_34208119
chr6	10384837	10384837	+	1.032E-10	1.10318E-09	0.227183	hyper	sig	chr6_10384837
chr21	45618975	45618975	+	1.034E-10	1.10548E-09	-0.2163	hypo	sig	chr21_45618975
chr8	17413930	17413930	+	1.038E-10	1.10976E-09	0.217395	hyper	sig	chr8_17413930
chr13	50127908	50127908	+	1.038E-10	1.10983E-09	0.238368	hyper	sig	chr13_50127908
chr2	2.38E+08	238227764	+	1.048E-10	1.12011E-09	-0.25977	hypo	sig	chr2_238227764
chr7	182350	182350	+	1.049E-10	1.12078E-09	-0.22183	hypo	sig	chr7_182350
chr6	32096097	32096097	+	1.055E-10	1.12753E-09	0.202956	hyper	sig	chr6_32096097
chr6	12749746	12749746	+	1.057E-10	1.12932E-09	0.228187	hyper	sig	chr6_12749746
chr19	13014153	13014153	+	1.057E-10	1.12978E-09	0.24295	hyper	sig	chr19_13014153
chr2	1.21E+08	120526183	+	1.059E-10	1.13163E-09	-0.22188	hypo	sig	chr2_120526183
chr14	1.05E+08	104946699	+	1.061E-10	1.13346E-09	-0.24192	hypo	sig	chr14_104946699
chr5	71446679	71446679	+	1.064E-10	1.13698E-09	-0.24649	hypo	sig	chr5_71446679
chr12	1.03E+08	102824640	+	1.065E-10	1.13735E-09	0.266385	hyper	sig	chr12_102824640
chr10	26438244	26438244	+	1.066E-10	1.13882E-09	0.213262	hyper	sig	chr10_26438244
chr2	2.02E+08	202123509	+	1.067E-10	1.13973E-09	-0.24058	hypo	sig	chr2_202123509
chr11	77039091	77039091	+	1.068E-10	1.14043E-09	-0.33304	hypo	sig	chr11_77039091
chr2	51032811	51032811	+	1.07E-10	1.14264E-09	0.212794	hyper	sig	chr2_51032811
chr3	22372505	22372505	+	1.071E-10	1.14432E-09	0.301304	hyper	sig	chr3_22372505
chr8	57142629	57142629	+	1.074E-10	1.14647E-09	0.254978	hyper	sig	chr8_57142629
chr17	48541917	48541917	+	1.076E-10	1.14891E-09	0.214805	hyper	sig	chr17_48541917
chr16	71640979	71640979	+	1.076E-10	1.14923E-09	0.222857	hyper	sig	chr16_71640979
chr4	3649837	3649837	+	1.085E-10	1.15825E-09	-0.20719	hypo	sig	chr4_3649837
chr7	63567995	63567995	+	1.086E-10	1.15916E-09	-0.20761	hypo	sig	chr7_63567995
chr2	1.2E+08	119524640	+	1.094E-10	1.1668E-09	0.211741	hyper	sig	chr2_119524640
chr5	1724860	1724860	+	1.103E-10	1.17612E-09	-0.22836	hypo	sig	chr5_1724860
chr16	85349623	85349623	+	1.104E-10	1.17693E-09	-0.25119	hypo	sig	chr16_85349623
chr11	1.12E+08	111923618	+	1.104E-10	1.17761E-09	-0.2175	hypo	sig	chr11_111923618
chr5	1.41E+08	141150194	+	1.112E-10	1.18599E-09	0.201124	hyper	sig	chr5_141150194
chr7	1.43E+08	142864355	+	1.116E-10	1.19017E-09	-0.21284	hypo	sig	chr7_142864355
chr3	1.72E+08	172448149	+	1.121E-10	1.1951E-09	0.265707	hyper	sig	chr3_172448149
chr7	1.08E+08	107843459	+	1.121E-10	1.1951E-09	-0.21151	hypo	sig	chr7_107843459
chr16	31569625	31569625	+	1.122E-10	1.19527E-09	0.225582	hyper	sig	chr16_31569625
chr12	1.2E+08	120371468	+	1.122E-10	1.19568E-09	-0.22645	hypo	sig	chr12_120371468
chr19	16088078	16088078	+	1.125E-10	1.19867E-09	-0.23067	hypo	sig	chr19_16088078
chr17	48501114	48501114	+	1.128E-10	1.20135E-09	-0.24871	hypo	sig	chr17_48501114
chr5	1.41E+08	141156121	+	1.128E-10	1.20174E-09	0.202571	hyper	sig	chr5_141156121
chr6	62285568	62285568	+	1.133E-10	1.20692E-09	0.205709	hyper	sig	chr6_62285568
chr21	41885512	41885512	+	1.133E-10	1.20733E-09	0.200018	hyper	sig	chr21_41885512
chr16	1655710	1655710	+	1.135E-10	1.20868E-09	-0.20097	hypo	sig	chr16_1655710
chr15	58864924	58864924	+	1.136E-10	1.21021E-09	0.209348	hyper	sig	chr15_58864924
chr8	57143967	57143967	+	1.138E-10	1.21158E-09	-0.2292	hypo	sig	chr8_57143967
chr21	44293876	44293876	+	1.139E-10	1.21283E-09	-0.20161	hypo	sig	chr21_44293876
chr11	60951138	60951138	+	1.146E-10	1.21987E-09	0.216979	hyper	sig	chr11_60951138
chr11	70661749	70661749	+	1.152E-10	1.22631E-09	0.222018	hyper	sig	chr11_70661749
chr11	33656075	33656075	+	1.152E-10	1.22665E-09	-0.2472	hypo	sig	chr11_33656075
chr15	69463481	69463481	+	1.154E-10	1.22864E-09	-0.20381	hypo	sig	chr15_69463481
chr19	19514429	19514429	+	1.155E-10	1.23006E-09	0.238514	hyper	sig	chr19_19514429
chr10	95230874	95230874	+	1.158E-10	1.23259E-09	0.239314	hyper	sig	chr10_95230874
chr3	1.8E+08	180324659	+	1.165E-10	1.23949E-09	-0.21372	hypo	sig	chr3_180324659
chr2	88451664	88451664	+	1.167E-10	1.2416E-09	0.243573	hyper	sig	chr2_88451664
chr5	1.42E+08	141512734	+	1.17E-10	1.24534E-09	0.208176	hyper	sig	chr5_141512734
chr14	56809934	56809934	+	1.176E-10	1.25127E-09	0.209183	hyper	sig	chr14_56809934

chr7	99374004	99374004	+	1.179E-10	1.25447E-09	-0.21027	hypo	sig	chr7_99374004
chr6	1.37E+08	137494196	+	1.18E-10	1.25546E-09	0.202615	hyper	sig	chr6_137494196
chr13	20946413	20946413	+	1.182E-10	1.25681E-09	0.212581	hyper	sig	chr13_20946413
chr6	33080656	33080656	+	1.182E-10	1.25743E-09	0.251207	hyper	sig	chr6_33080656
chr7	1.08E+08	108457050	+	1.189E-10	1.26436E-09	0.265095	hyper	sig	chr7_108457050
chr19	53037588	53037588	+	1.19E-10	1.26507E-09	0.200648	hyper	sig	chr19_53037588
chr15	84080700	84080700	+	1.195E-10	1.2708E-09	0.203666	hyper	sig	chr15_84080700
chr17	28717675	28717675	+	1.2E-10	1.2755E-09	0.240581	hyper	sig	chr17_28717675
chr14	37622312	37622312	+	1.203E-10	1.27889E-09	0.205995	hyper	sig	chr14_37622312
chr6	1.34E+08	133889559	+	1.204E-10	1.28E-09	0.212266	hyper	sig	chr6_133889559
chr5	1.41E+08	140875810	+	1.21E-10	1.28622E-09	0.202743	hyper	sig	chr5_140875810
chr11	737919	737919	+	1.221E-10	1.29745E-09	-0.23181	hypo	sig	chr11_737919
chr7	1.29E+08	128903325	+	1.222E-10	1.29819E-09	-0.21536	hypo	sig	chr7_128903325
chr2	1.19E+08	119008432	+	1.225E-10	1.30141E-09	-0.20792	hypo	sig	chr2_119008432
chr10	1.19E+08	118595950	+	1.227E-10	1.30317E-09	0.271875	hyper	sig	chr10_118595950
chr6	28814282	28814282	+	1.228E-10	1.30386E-09	0.289226	hyper	sig	chr6_28814282
chr6	1.26E+08	125759071	+	1.228E-10	1.30389E-09	-0.22595	hypo	sig	chr6_125759071
chr13	26050420	26050420	+	1.228E-10	1.30409E-09	0.233691	hyper	sig	chr13_26050420
chr9	1.33E+08	132581105	+	1.23E-10	1.30636E-09	0.212035	hyper	sig	chr9_132581105
chr19	52453757	52453757	+	1.232E-10	1.30788E-09	0.282241	hyper	sig	chr19_52453757
chr20	726238	726238	+	1.233E-10	1.3094E-09	-0.20848	hypo	sig	chr20_726238
chr1	12549557	12549557	+	1.235E-10	1.3115E-09	-0.26803	hypo	sig	chr1_12549557
chr4	45457528	45457528	+	1.24E-10	1.31588E-09	-0.21061	hypo	sig	chr4_45457528
chr1	2.28E+08	228465447	+	1.241E-10	1.31662E-09	0.207291	hyper	sig	chr1_228465447
chr10	23203849	23203849	+	1.241E-10	1.31675E-09	0.20366	hyper	sig	chr10_23203849
chr7	1.51E+08	151443097	+	1.243E-10	1.31882E-09	-0.29437	hypo	sig	chr7_151443097
chr1	16227880	16227880	+	1.249E-10	1.32529E-09	0.201163	hyper	sig	chr1_16227880
chr4	5051456	5051456	+	1.249E-10	1.32539E-09	0.228154	hyper	sig	chr4_5051456
chr14	96615668	96615668	+	1.252E-10	1.32778E-09	-0.21955	hypo	sig	chr14_96615668
chr5	1.81E+08	180587653	+	1.253E-10	1.32972E-09	-0.21168	hypo	sig	chr5_180587653
chr21	45490525	45490525	+	1.254E-10	1.33026E-09	-0.23111	hypo	sig	chr21_45490525
chr8	38974289	38974289	+	1.261E-10	1.33716E-09	0.254547	hyper	sig	chr8_38974289
chr17	7355885	7355885	+	1.262E-10	1.33847E-09	-0.21681	hypo	sig	chr17_7355885
chr16	29252057	29252057	+	1.266E-10	1.34221E-09	-0.21688	hypo	sig	chr16_29252057
chr15	52795502	52795502	+	1.268E-10	1.34489E-09	0.219015	hyper	sig	chr15_52795502
chr21	37565084	37565084	+	1.27E-10	1.34624E-09	-0.23252	hypo	sig	chr21_37565084
chr3	1.7E+08	170037106	+	1.271E-10	1.3475E-09	-0.25995	hypo	sig	chr3_170037106
chr15	83108105	83108105	+	1.271E-10	1.34808E-09	0.213097	hyper	sig	chr15_83108105
chr7	79454523	79454523	+	1.273E-10	1.34994E-09	0.25068	hyper	sig	chr7_79454523
chr18	77671665	77671665	+	1.274E-10	1.35108E-09	0.204015	hyper	sig	chr18_77671665
chr5	77638567	77638567	+	1.275E-10	1.35188E-09	0.20915	hyper	sig	chr5_77638567
chr1	16241237	16241237	+	1.276E-10	1.35287E-09	-0.21308	hypo	sig	chr1_16241237
chr10	75099592	75099592	+	1.277E-10	1.35315E-09	-0.21262	hypo	sig	chr10_75099592
chr5	1.8E+08	179648661	+	1.28E-10	1.35624E-09	-0.28645	hypo	sig	chr5_179648661
chr7	6101359	6101359	+	1.285E-10	1.36149E-09	-0.21878	hypo	sig	chr7_6101359
chr15	52795132	52795132	+	1.286E-10	1.36296E-09	0.24682	hyper	sig	chr15_52795132
chr12	1.32E+08	132215363	+	1.286E-10	1.36339E-09	-0.21956	hypo	sig	chr12_132215363
chr19	28727808	28727808	+	1.287E-10	1.36354E-09	0.218763	hyper	sig	chr19_28727808
chr17	16665759	16665759	+	1.287E-10	1.36412E-09	-0.24529	hypo	sig	chr17_16665759
chr7	546780	546780	+	1.292E-10	1.36863E-09	-0.24991	hypo	sig	chr7_546780
chr15	24848337	24848337	+	1.293E-10	1.36956E-09	0.224366	hyper	sig	chr15_24848337
chr2	38960661	38960661	+	1.293E-10	1.37021E-09	0.24451	hyper	sig	chr2_38960661
chr20	63064230	63064230	+	1.294E-10	1.37107E-09	-0.20424	hypo	sig	chr20_63064230
chr11	60615464	60615464	+	1.294E-10	1.37141E-09	-0.2103	hypo	sig	chr11_60615464
chr1	16521078	16521078	+	1.296E-10	1.37255E-09	0.214986	hyper	sig	chr1_16521078
chr1	1.11E+08	110675594	+	1.309E-10	1.38589E-09	0.200722	hyper	sig	chr1_110675594

chr6	30111329	30111329	+	1.313E-10	1.38985E-09	-0.2065	hypo	sig	chr6_30111329
chr11	1.19E+08	119312613	+	1.314E-10	1.39122E-09	-0.21015	hypo	sig	chr11_119312613
chr11	73272313	73272313	+	1.315E-10	1.39255E-09	-0.21227	hypo	sig	chr11_73272313
chr10	99233401	99233401	+	1.317E-10	1.3939E-09	0.228684	hyper	sig	chr10_99233401
chr2	2.34E+08	233728928	+	1.321E-10	1.39813E-09	-0.20182	hypo	sig	chr2_233728928
chr11	4212275	4212275	+	1.324E-10	1.40143E-09	0.224461	hyper	sig	chr11_4212275
chr11	1074927	1074927	+	1.327E-10	1.40411E-09	-0.21005	hypo	sig	chr11_1074927
chr4	1.41E+08	140635839	+	1.332E-10	1.40917E-09	-0.27489	hypo	sig	chr4_140635839
chr16	88206358	88206358	+	1.333E-10	1.41051E-09	-0.20133	hypo	sig	chr16_88206358
chr4	38328394	38328394	+	1.334E-10	1.41105E-09	-0.20213	hypo	sig	chr4_38328394
chr2	19357378	19357378	+	1.346E-10	1.42342E-09	0.225946	hyper	sig	chr2_19357378
chr2	2.28E+08	228181974	+	1.355E-10	1.43261E-09	0.241419	hyper	sig	chr2_228181974
chr3	42774411	42774411	+	1.355E-10	1.43335E-09	-0.22124	hypo	sig	chr3_42774411
chr4	1.57E+08	157222951	+	1.359E-10	1.43731E-09	0.234741	hyper	sig	chr4_157222951
chr2	2.28E+08	228182030	+	1.361E-10	1.43873E-09	0.221667	hyper	sig	chr2_228182030
chr12	1.08E+08	108357692	+	1.367E-10	1.44448E-09	-0.2087	hypo	sig	chr12_108357692
chr5	1300910	1300910	+	1.368E-10	1.44564E-09	-0.21956	hypo	sig	chr5_1300910
chr8	48526052	48526052	+	1.373E-10	1.45091E-09	-0.2201	hypo	sig	chr8_48526052
chr1	1.8E+08	179808177	+	1.376E-10	1.45373E-09	-0.24439	hypo	sig	chr1_179808177
chr19	39265319	39265319	+	1.376E-10	1.45417E-09	0.224395	hyper	sig	chr19_39265319
chr2	2.02E+08	201619145	+	1.376E-10	1.4542E-09	0.213129	hyper	sig	chr2_201619145
chr16	2720189	2720189	+	1.378E-10	1.45621E-09	-0.20113	hypo	sig	chr16_2720189
chr11	1.16E+08	115959111	+	1.379E-10	1.45696E-09	-0.2144	hypo	sig	chr11_115959111
chr11	1.34E+08	134277439	+	1.38E-10	1.45807E-09	0.223313	hyper	sig	chr11_134277439
chr3	11721874	11721874	+	1.389E-10	1.46723E-09	-0.23404	hypo	sig	chr3_11721874
chr2	1.24E+08	123686536	+	1.392E-10	1.47057E-09	-0.25855	hypo	sig	chr2_123686536
chr6	1.69E+08	169202017	+	1.392E-10	1.47061E-09	-0.20921	hypo	sig	chr6_169202017
chr19	49050424	49050424	+	1.393E-10	1.47152E-09	-0.25018	hypo	sig	chr19_49050424
chr6	33080706	33080706	+	1.394E-10	1.47252E-09	0.230471	hyper	sig	chr6_33080706
chr4	1.9E+08	190018747	+	1.399E-10	1.47751E-09	0.245986	hyper	sig	chr4_190018747
chr14	20435524	20435524	+	1.401E-10	1.479E-09	0.251273	hyper	sig	chr14_20435524
chr22	49670200	49670200	+	1.402E-10	1.4803E-09	0.221886	hyper	sig	chr22_49670200
chr7	79454533	79454533	+	1.405E-10	1.48301E-09	0.258942	hyper	sig	chr7_79454533
chr20	21103706	21103706	+	1.412E-10	1.49061E-09	0.262741	hyper	sig	chr20_21103706
chr20	45316878	45316878	+	1.412E-10	1.49076E-09	0.284111	hyper	sig	chr20_45316878
chr2	1.35E+08	134717806	+	1.414E-10	1.49276E-09	0.241536	hyper	sig	chr2_134717806
chr19	17968237	17968237	+	1.417E-10	1.49577E-09	-0.21844	hypo	sig	chr19_17968237
chr4	41873457	41873457	+	1.421E-10	1.49983E-09	0.224487	hyper	sig	chr4_41873457
chr13	1.12E+08	111559011	+	1.422E-10	1.50016E-09	-0.20359	hypo	sig	chr13_111559011
chr6	33080509	33080509	+	1.427E-10	1.50573E-09	0.238647	hyper	sig	chr6_33080509
chr20	45316925	45316925	+	1.433E-10	1.51175E-09	0.25982	hyper	sig	chr20_45316925
chr13	37066224	37066224	+	1.433E-10	1.5121E-09	-0.25513	hypo	sig	chr13_37066224
chr5	1.79E+08	179220316	+	1.434E-10	1.51276E-09	-0.20287	hypo	sig	chr5_179220316
chr7	44145734	44145734	+	1.437E-10	1.51534E-09	0.239038	hyper	sig	chr7_44145734
chr2	1.06E+08	106488545	+	1.439E-10	1.51756E-09	-0.21292	hypo	sig	chr2_106488545
chr17	3681775	3681775	+	1.443E-10	1.5215E-09	-0.21522	hypo	sig	chr17_3681775
chr16	87881827	87881827	+	1.445E-10	1.52356E-09	-0.2492	hypo	sig	chr16_87881827
chr11	60615450	60615450	+	1.449E-10	1.52749E-09	-0.20312	hypo	sig	chr11_60615450
chr6	50707675	50707675	+	1.449E-10	1.52772E-09	0.236255	hyper	sig	chr6_50707675
chr12	85278760	85278760	+	1.451E-10	1.52997E-09	0.200326	hyper	sig	chr12_85278760
chr11	2121697	2121697	+	1.453E-10	1.53113E-09	-0.23002	hypo	sig	chr11_2121697
chr10	1.11E+08	110869184	+	1.453E-10	1.53122E-09	0.200191	hyper	sig	chr10_110869184
chr15	25657230	25657230	+	1.464E-10	1.54289E-09	-0.22223	hypo	sig	chr15_25657230
chr1	1.13E+08	112852264	+	1.466E-10	1.54455E-09	-0.22927	hypo	sig	chr1_112852264
chr3	1.84E+08	184491473	+	1.467E-10	1.54605E-09	0.217442	hyper	sig	chr3_184491473
chr8	48543773	48543773	+	1.471E-10	1.54917E-09	-0.23826	hypo	sig	chr8_48543773

chr12	43551410	43551410	+	1.474E-10	1.55255E-09	0.238907	hyper	sig	chr12_43551410
chr8	48923429	48923429	+	1.475E-10	1.55336E-09	-0.20807	hypo	sig	chr8_48923429
chr19	52370303	52370303	+	1.479E-10	1.55745E-09	0.201084	hyper	sig	chr19_52370303
chr11	46295922	46295922	+	1.481E-10	1.55987E-09	0.236799	hyper	sig	chr11_46295922
chr12	80714154	80714154	+	1.484E-10	1.56312E-09	0.205979	hyper	sig	chr12_80714154
chr6	28814242	28814242	+	1.486E-10	1.56495E-09	0.232849	hyper	sig	chr6_28814242
chr12	3055730	3055730	+	1.486E-10	1.565E-09	-0.25446	hypo	sig	chr12_3055730
chr15	40768196	40768196	+	1.49E-10	1.56909E-09	-0.23528	hypo	sig	chr15_40768196
chr5	63959860	63959860	+	1.491E-10	1.57E-09	0.230661	hyper	sig	chr5_63959860
chr1	2.21E+08	220896357	+	1.491E-10	1.57021E-09	0.233305	hyper	sig	chr1_220896357
chr5	45695293	45695293	+	1.494E-10	1.57303E-09	0.245489	hyper	sig	chr5_45695293
chr16	30474205	30474205	+	1.499E-10	1.57792E-09	0.200518	hyper	sig	chr16_30474205
chr16	30474290	30474290	+	1.5E-10	1.57817E-09	0.208169	hyper	sig	chr16_30474290
chr7	1E+08	100122309	+	1.501E-10	1.57918E-09	-0.22258	hypo	sig	chr7_100122309
chr12	50032773	50032773	+	1.508E-10	1.58718E-09	0.215177	hyper	sig	chr12_50032773
chr19	45640986	45640986	+	1.509E-10	1.58762E-09	-0.234	hypo	sig	chr19_45640986
chr16	85179221	85179221	+	1.51E-10	1.58848E-09	-0.20865	hypo	sig	chr16_85179221
chr11	1.29E+08	128824493	+	1.511E-10	1.58968E-09	0.202908	hyper	sig	chr11_128824493
chr20	51023451	51023451	+	1.511E-10	1.59002E-09	0.240351	hyper	sig	chr20_51023451
chr11	67989916	67989916	+	1.512E-10	1.59113E-09	-0.20342	hypo	sig	chr11_67989916
chr5	63961773	63961773	+	1.513E-10	1.59176E-09	0.227187	hyper	sig	chr5_63961773
chr16	47038376	47038376	+	1.514E-10	1.59217E-09	-0.21898	hypo	sig	chr16_47038376
chr5	73322290	73322290	+	1.515E-10	1.59383E-09	-0.21992	hypo	sig	chr5_73322290
chr8	1.3E+08	130042134	+	1.519E-10	1.59822E-09	-0.2114	hypo	sig	chr8_130042134
chr5	1.41E+08	141370631	+	1.526E-10	1.60525E-09	0.24479	hyper	sig	chr5_141370631
chr3	1.84E+08	184275292	+	1.527E-10	1.60608E-09	-0.30123	hypo	sig	chr3_184275292
chr17	49965692	49965692	+	1.531E-10	1.61011E-09	0.222804	hyper	sig	chr17_49965692
chr4	55157701	55157701	+	1.534E-10	1.61275E-09	0.203013	hyper	sig	chr4_55157701
chr3	1.7E+08	170037082	+	1.534E-10	1.61327E-09	-0.2436	hypo	sig	chr3_170037082
chr15	96367941	96367941	+	1.537E-10	1.61569E-09	0.214882	hyper	sig	chr15_96367941
chr2	1.45E+08	144510908	+	1.539E-10	1.61782E-09	0.213048	hyper	sig	chr2_144510908
chr19	1722728	1722728	+	1.541E-10	1.61945E-09	-0.26912	hypo	sig	chr19_1722728
chr3	1.23E+08	122916189	+	1.544E-10	1.62266E-09	-0.21792	hypo	sig	chr3_122916189
chr3	23807635	23807635	+	1.546E-10	1.62453E-09	0.204227	hyper	sig	chr3_23807635
chr1	1.83E+08	183417116	+	1.547E-10	1.62595E-09	0.212701	hyper	sig	chr1_183417116
chr15	40131231	40131231	+	1.552E-10	1.63062E-09	-0.21835	hypo	sig	chr15_40131231
chr8	70035037	70035037	+	1.564E-10	1.64297E-09	0.285598	hyper	sig	chr8_70035037
chr7	96998017	96998017	+	1.565E-10	1.64471E-09	0.21415	hyper	sig	chr7_96998017
chr4	1.47E+08	146632992	+	1.566E-10	1.64488E-09	0.233434	hyper	sig	chr4_146632992
chr17	60159419	60159419	+	1.57E-10	1.64967E-09	-0.20481	hypo	sig	chr17_60159419
chr2	1.69E+08	169480317	+	1.572E-10	1.65158E-09	-0.22368	hypo	sig	chr2_169480317
chr10	8043085	8043085	+	1.575E-10	1.65427E-09	0.231932	hyper	sig	chr10_8043085
chr5	1.23E+08	123093587	+	1.576E-10	1.65505E-09	0.203339	hyper	sig	chr5_123093587
chr7	1.58E+08	158136124	+	1.576E-10	1.6557E-09	0.200656	hyper	sig	chr7_158136124
chr19	4518959	4518959	+	1.587E-10	1.66675E-09	-0.2648	hypo	sig	chr19_4518959
chr14	23424059	23424059	+	1.59E-10	1.66911E-09	-0.21114	hypo	sig	chr14_23424059
chr6	33080763	33080763	+	1.593E-10	1.67261E-09	0.201295	hyper	sig	chr6_33080763
chr9	1.34E+08	133706532	+	1.595E-10	1.67395E-09	-0.26195	hypo	sig	chr9_133706532
chr10	1.33E+08	132870169	+	1.595E-10	1.67421E-09	-0.21416	hypo	sig	chr10_132870169
chr17	78231270	78231270	+	1.596E-10	1.67538E-09	-0.21336	hypo	sig	chr17_78231270
chr21	44936966	44936966	+	1.596E-10	1.6756E-09	-0.22237	hypo	sig	chr21_44936966
chr1	2.04E+08	204197057	+	1.605E-10	1.68477E-09	-0.23548	hypo	sig	chr1_204197057
chr1	2.28E+08	228426417	+	1.606E-10	1.68503E-09	-0.22265	hypo	sig	chr1_228426417
chr5	15918831	15918831	+	1.613E-10	1.69251E-09	-0.24617	hypo	sig	chr5_15918831
chr6	1.59E+08	158939880	+	1.615E-10	1.6943E-09	0.208568	hyper	sig	chr6_158939880
chr8	1.04E+08	104471079	+	1.62E-10	1.6991E-09	-0.21165	hypo	sig	chr8_104471079

chr19	41113017	41113017	+	1.631E-10	1.71012E-09	-0.23948	hypo	sig	chr19_41113017
chr2	2.37E+08	236507258	+	1.633E-10	1.71259E-09	0.214919	hyper	sig	chr2_236507258
chr11	49561605	49561605	+	1.636E-10	1.71538E-09	0.22871	hyper	sig	chr11_49561605
chr11	31796926	31796926	+	1.64E-10	1.71957E-09	0.214417	hyper	sig	chr11_31796926
chr19	38564918	38564918	+	1.642E-10	1.72191E-09	0.205717	hyper	sig	chr19_38564918
chr14	56809321	56809321	+	1.647E-10	1.72673E-09	0.215471	hyper	sig	chr14_56809321
chr10	1.01E+08	101133085	+	1.648E-10	1.72713E-09	0.204269	hyper	sig	chr10_101133085
chr14	93430075	93430075	+	1.654E-10	1.73408E-09	0.211503	hyper	sig	chr14_93430075
chr17	7991536	7991536	+	1.661E-10	1.74083E-09	-0.20171	hypo	sig	chr17_7991536
chr17	39868141	39868141	+	1.662E-10	1.74125E-09	0.257221	hyper	sig	chr17_39868141
chr16	86431372	86431372	+	1.664E-10	1.74407E-09	-0.21438	hypo	sig	chr16_86431372
chr20	63738686	63738686	+	1.665E-10	1.74461E-09	0.204495	hyper	sig	chr20_63738686
chr12	62191500	62191500	+	1.667E-10	1.74618E-09	0.243167	hyper	sig	chr12_62191500
chr20	34829156	34829156	+	1.668E-10	1.748E-09	-0.2477	hypo	sig	chr20_34829156
chr16	30445163	30445163	+	1.674E-10	1.75333E-09	-0.22625	hypo	sig	chr16_30445163
chr6	1.69E+08	168880554	+	1.674E-10	1.75353E-09	0.200212	hyper	sig	chr6_168880554
chr17	9901288	9901288	+	1.675E-10	1.7543E-09	-0.20149	hypo	sig	chr17_9901288
chr11	62688348	62688348	+	1.675E-10	1.75456E-09	0.244501	hyper	sig	chr11_62688348
chr20	17227388	17227388	+	1.676E-10	1.75532E-09	0.222386	hyper	sig	chr20_17227388
chr11	1.25E+08	125494848	+	1.681E-10	1.76052E-09	0.231607	hyper	sig	chr11_125494848
chr2	2.28E+08	228181944	+	1.688E-10	1.76752E-09	0.222695	hyper	sig	chr2_228181944
chr7	38311398	38311398	+	1.695E-10	1.77413E-09	0.23372	hyper	sig	chr7_38311398
chr22	16602914	16602914	+	1.7E-10	1.7791E-09	0.208827	hyper	sig	chr22_16602914
chr11	1.3E+08	129574639	+	1.701E-10	1.7808E-09	-0.24531	hypo	sig	chr11_129574639
chr8	26451755	26451755	+	1.714E-10	1.79361E-09	-0.24982	hypo	sig	chr8_26451755
chr16	89569853	89569853	+	1.714E-10	1.79409E-09	-0.21164	hypo	sig	chr16_89569853
chr8	41301088	41301088	+	1.716E-10	1.79561E-09	-0.22857	hypo	sig	chr8_41301088
chr19	35849521	35849521	+	1.718E-10	1.79774E-09	-0.25662	hypo	sig	chr19_35849521
chr17	39868161	39868161	+	1.719E-10	1.79893E-09	0.271802	hyper	sig	chr17_39868161
chr16	54294601	54294601	+	1.735E-10	1.8147E-09	-0.22938	hypo	sig	chr16_54294601
chr20	51023514	51023514	+	1.737E-10	1.81618E-09	0.226775	hyper	sig	chr20_51023514
chr1	13511632	13511632	+	1.739E-10	1.81862E-09	-0.22124	hypo	sig	chr1_13511632
chr7	1587508	1587508	+	1.74E-10	1.81944E-09	-0.20169	hypo	sig	chr7_1587508
chr6	16216926	16216926	+	1.742E-10	1.82152E-09	0.228764	hyper	sig	chr6_16216926
chr19	28727332	28727332	+	1.743E-10	1.82242E-09	0.200553	hyper	sig	chr19_28727332
chr17	8327450	8327450	+	1.745E-10	1.82445E-09	0.21637	hyper	sig	chr17_8327450
chr7	73424274	73424274	+	1.749E-10	1.82862E-09	0.206615	hyper	sig	chr7_73424274
chr8	31639063	31639063	+	1.75E-10	1.82968E-09	0.237735	hyper	sig	chr8_31639063
chr11	60951103	60951103	+	1.75E-10	1.82989E-09	0.224276	hyper	sig	chr11_60951103
chr21	29938545	29938545	+	1.756E-10	1.83568E-09	-0.20103	hypo	sig	chr21_29938545
chr6	16216935	16216935	+	1.763E-10	1.84301E-09	0.234847	hyper	sig	chr6_16216935
chr5	1.59E+08	159104368	+	1.764E-10	1.84363E-09	0.24036	hyper	sig	chr5_159104368
chr1	37035189	37035189	+	1.768E-10	1.84774E-09	0.225006	hyper	sig	chr1_37035189
chr17	17063579	17063579	+	1.771E-10	1.85066E-09	-0.20061	hypo	sig	chr17_17063579
chr3	1.7E+08	169666289	+	1.773E-10	1.85307E-09	0.228388	hyper	sig	chr3_169666289
chr10	22477259	22477259	+	1.78E-10	1.8596E-09	0.220907	hyper	sig	chr10_22477259
chr17	19651771	19651771	+	1.78E-10	1.85998E-09	-0.22394	hypo	sig	chr17_19651771
chr2	1.61E+08	161281195	+	1.782E-10	1.86154E-09	-0.26453	hypo	sig	chr2_161281195
chr14	1.01E+08	100874673	+	1.785E-10	1.86519E-09	-0.21199	hypo	sig	chr14_100874673
chr13	94707722	94707722	+	1.787E-10	1.86712E-09	0.237258	hyper	sig	chr13_94707722
chr12	29782519	29782519	+	1.794E-10	1.87368E-09	0.230496	hyper	sig	chr12_29782519
chr18	37570718	37570718	+	1.796E-10	1.87555E-09	-0.20257	hypo	sig	chr18_37570718
chr19	827477	827477	+	1.8E-10	1.88011E-09	-0.24258	hypo	sig	chr19_827477
chr4	1.74E+08	173538107	+	1.805E-10	1.88525E-09	0.219717	hyper	sig	chr4_173538107
chr5	1.8E+08	179860172	+	1.822E-10	1.90244E-09	-0.2517	hypo	sig	chr5_179860172
chr3	47250736	47250736	+	1.823E-10	1.90271E-09	-0.26809	hypo	sig	chr3_47250736

chr12	1.14E+08	114414473	+	1.823E-10	1.90314E-09	0.20187	hyper	sig	chr12_114414473
chr16	54588199	54588199	+	1.824E-10	1.90395E-09	-0.30659	hypo	sig	chr16_54588199
chr12	34218842	34218842	+	1.826E-10	1.90637E-09	0.236794	hyper	sig	chr12_34218842
chr5	1.79E+08	179138777	+	1.827E-10	1.9067E-09	-0.20212	hypo	sig	chr5_179138777
chr19	46468187	46468187	+	1.827E-10	1.9071E-09	-0.26019	hypo	sig	chr19_46468187
chr16	71437995	71437995	+	1.831E-10	1.91083E-09	-0.2249	hypo	sig	chr16_71437995
chr1	1.47E+08	147073338	+	1.841E-10	1.92051E-09	0.21859	hyper	sig	chr1_147073338
chr1	38476719	38476719	+	1.845E-10	1.92535E-09	0.206006	hyper	sig	chr1_38476719
chr21	37920487	37920487	+	1.847E-10	1.92743E-09	-0.2294	hypo	sig	chr21_37920487
chr20	21397838	21397838	+	1.855E-10	1.93465E-09	0.238602	hyper	sig	chr20_21397838
chr12	34401791	34401791	+	1.857E-10	1.93733E-09	-0.20065	hypo	sig	chr12_34401791
chr7	51803113	51803113	+	1.859E-10	1.93906E-09	-0.22722	hypo	sig	chr7_51803113
chr8	76677673	76677673	+	1.86E-10	1.93968E-09	0.202485	hyper	sig	chr8_76677673
chr11	865988	865988	+	1.863E-10	1.94331E-09	-0.22159	hypo	sig	chr11_865988
chr1	2.03E+08	203086351	+	1.866E-10	1.9455E-09	-0.24395	hypo	sig	chr1_203086351
chr9	1.35E+08	134557517	+	1.866E-10	1.94588E-09	-0.22904	hypo	sig	chr9_134557517
chr15	66503101	66503101	+	1.869E-10	1.94849E-09	-0.2132	hypo	sig	chr15_66503101
chr2	3783002	3783002	+	1.871E-10	1.95112E-09	-0.21402	hypo	sig	chr2_3783002
chr12	1.26E+08	125863782	+	1.877E-10	1.95708E-09	-0.25265	hypo	sig	chr12_125863782
chr1	1.09E+08	109112581	+	1.882E-10	1.96141E-09	-0.2012	hypo	sig	chr1_109112581
chr19	39313715	39313715	+	1.883E-10	1.96237E-09	-0.25331	hypo	sig	chr19_39313715
chr6	1.6E+08	159820328	+	1.888E-10	1.96792E-09	-0.24456	hypo	sig	chr6_159820328
chr18	12898456	12898456	+	1.889E-10	1.96895E-09	-0.24378	hypo	sig	chr18_12898456
chr19	52493037	52493037	+	1.89E-10	1.96993E-09	0.260415	hyper	sig	chr19_52493037
chr3	1.96E+08	195834083	+	1.891E-10	1.97019E-09	-0.22156	hypo	sig	chr3_195834083
chr9	68302930	68302930	+	1.896E-10	1.97609E-09	0.285297	hyper	sig	chr9_68302930
chr2	66439623	66439623	+	1.899E-10	1.97891E-09	0.209963	hyper	sig	chr2_66439623
chr9	41124513	41124513	+	1.9E-10	1.97946E-09	0.269737	hyper	sig	chr9_41124513
chr8	15238405	15238405	+	1.9E-10	1.97996E-09	0.20906	hyper	sig	chr8_15238405
chr6	1.59E+08	158869209	+	1.904E-10	1.98339E-09	-0.22572	hypo	sig	chr6_158869209
chr12	50033002	50033002	+	1.922E-10	2.00161E-09	0.26371	hyper	sig	chr12_50033002
chr20	57170656	57170656	+	1.927E-10	2.00687E-09	-0.21427	hypo	sig	chr20_57170656
chr8	1.43E+08	143417742	+	1.929E-10	2.00897E-09	-0.21781	hypo	sig	chr8_143417742
chr22	39501582	39501582	+	1.931E-10	2.0106E-09	-0.30508	hypo	sig	chr22_39501582
chr4	6663945	6663945	+	1.932E-10	2.01198E-09	0.204102	hyper	sig	chr4_6663945
chr1	32753645	32753645	+	1.934E-10	2.01387E-09	0.22015	hyper	sig	chr1_32753645
chr12	1.22E+08	121654412	+	1.937E-10	2.01636E-09	-0.23858	hypo	sig	chr12_121654412
chr19	12155717	12155717	+	1.938E-10	2.0174E-09	0.229328	hyper	sig	chr19_12155717
chr8	1.45E+08	144714111	+	1.938E-10	2.0181E-09	0.208611	hyper	sig	chr8_144714111
chr6	72182364	72182364	+	1.94E-10	2.01915E-09	0.235718	hyper	sig	chr6_72182364
chr20	38724403	38724403	+	1.949E-10	2.02909E-09	0.282084	hyper	sig	chr20_38724403
chr8	26010640	26010640	+	1.955E-10	2.03502E-09	0.201858	hyper	sig	chr8_26010640
chr3	12480276	12480276	+	1.963E-10	2.04193E-09	-0.20728	hypo	sig	chr3_12480276
chr2	20231578	20231578	+	1.967E-10	2.04594E-09	-0.20128	hypo	sig	chr2_20231578
chr7	1.33E+08	133170504	+	1.977E-10	2.05665E-09	-0.24724	hypo	sig	chr7_133170504
chr5	1.46E+08	146345626	+	1.979E-10	2.05787E-09	0.226028	hyper	sig	chr5_146345626
chr8	38974177	38974177	+	1.982E-10	2.06146E-09	0.249745	hyper	sig	chr8_38974177
chr2	1.55E+08	154699735	+	1.983E-10	2.06274E-09	0.264857	hyper	sig	chr2_154699735
chr2	44801484	44801484	+	2.008E-10	2.08695E-09	0.23765	hyper	sig	chr2_44801484
chr15	92391511	92391511	+	2.012E-10	2.09159E-09	-0.21138	hypo	sig	chr15_92391511
chr20	61902823	61902823	+	2.016E-10	2.09552E-09	-0.20394	hypo	sig	chr20_61902823
chr17	49964715	49964715	+	2.017E-10	2.09617E-09	0.201333	hyper	sig	chr17_49964715
chr3	1.42E+08	141797753	+	2.02E-10	2.09988E-09	0.222034	hyper	sig	chr3_141797753
chr5	1.74E+08	174316435	+	2.021E-10	2.10069E-09	-0.20316	hypo	sig	chr5_174316435
chr19	16067587	16067587	+	2.021E-10	2.10076E-09	-0.24901	hypo	sig	chr19_16067587
chr5	1.73E+08	173243834	+	2.023E-10	2.10221E-09	0.201604	hyper	sig	chr5_173243834

chr15	41152447	41152447	+	2.024E-10	2.10305E-09	-0.2491	hypo	sig	chr15_41152447
chr1	17149324	17149324	+	2.035E-10	2.11473E-09	0.246906	hyper	sig	chr1_17149324
chr20	54475908	54475908	+	2.038E-10	2.11759E-09	0.220944	hyper	sig	chr20_54475908
chr5	1.51E+08	151348817	+	2.046E-10	2.12456E-09	-0.26684	hypo	sig	chr5_151348817
chr12	1.08E+08	107581527	+	2.05E-10	2.1285E-09	0.223027	hyper	sig	chr12_107581527
chr6	31507877	31507877	+	2.051E-10	2.12951E-09	-0.27654	hypo	sig	chr6_31507877
chr19	38397145	38397145	+	2.055E-10	2.1335E-09	-0.20303	hypo	sig	chr19_38397145
chr11	69166797	69166797	+	2.057E-10	2.13518E-09	-0.21391	hypo	sig	chr11_69166797
chr5	1.42E+08	141512716	+	2.059E-10	2.13784E-09	0.227812	hyper	sig	chr5_141512716
chr12	1.32E+08	132216934	+	2.062E-10	2.14028E-09	-0.214	hypo	sig	chr12_132216934
chr21	44258195	44258195	+	2.067E-10	2.14554E-09	-0.21954	hypo	sig	chr21_44258195
chr1	16227874	16227874	+	2.068E-10	2.14665E-09	0.202474	hyper	sig	chr1_16227874
chr2	2.42E+08	241900809	+	2.07E-10	2.14905E-09	-0.20144	hypo	sig	chr2_241900809
chr7	1.59E+08	159106201	+	2.075E-10	2.15315E-09	-0.20565	hypo	sig	chr7_159106201
chr12	12784698	12784698	+	2.081E-10	2.15984E-09	-0.20382	hypo	sig	chr12_12784698
chr3	1.38E+08	137761216	+	2.088E-10	2.16724E-09	0.234414	hyper	sig	chr3_137761216
chr11	44723894	44723894	+	2.091E-10	2.16953E-09	-0.24145	hypo	sig	chr11_44723894
chr16	84930232	84930232	+	2.091E-10	2.16955E-09	0.202381	hyper	sig	chr16_84930232
chr7	2944113	2944113	+	2.091E-10	2.16969E-09	-0.21367	hypo	sig	chr7_2944113
chr5	1.8E+08	180127679	+	2.096E-10	2.17486E-09	-0.2092	hypo	sig	chr5_180127679
chr8	1.41E+08	140564018	+	2.101E-10	2.17934E-09	-0.22484	hypo	sig	chr8_140564018
chr19	49050430	49050430	+	2.103E-10	2.18175E-09	-0.21929	hypo	sig	chr19_49050430
chr6	1.37E+08	136923610	+	2.104E-10	2.18236E-09	0.224306	hyper	sig	chr6_136923610
chr1	12549292	12549292	+	2.109E-10	2.18723E-09	-0.20428	hypo	sig	chr1_12549292
chr14	99974886	99974886	+	2.116E-10	2.19431E-09	-0.26877	hypo	sig	chr14_99974886
chr12	1.11E+08	110846424	+	2.118E-10	2.19674E-09	-0.21312	hypo	sig	chr12_110846424
chr8	1.45E+08	144710709	+	2.128E-10	2.20643E-09	-0.26041	hypo	sig	chr8_144710709
chr5	34652703	34652703	+	2.128E-10	2.20661E-09	-0.21018	hypo	sig	chr5_34652703
chr11	2301774	2301774	+	2.137E-10	2.21528E-09	-0.21485	hypo	sig	chr11_2301774
chr17	34568596	34568596	+	2.143E-10	2.22134E-09	-0.24296	hypo	sig	chr17_34568596
chr19	14085744	14085744	+	2.144E-10	2.22276E-09	0.204756	hyper	sig	chr19_14085744
chr4	1.75E+08	175428609	+	2.148E-10	2.22629E-09	-0.24495	hypo	sig	chr4_175428609
chr19	42096162	42096162	+	2.15E-10	2.22818E-09	0.221637	hyper	sig	chr19_42096162
chr8	22597422	22597422	+	2.15E-10	2.2282E-09	-0.22189	hypo	sig	chr8_22597422
chr2	2.42E+08	241842055	+	2.151E-10	2.22886E-09	-0.20017	hypo	sig	chr2_241842055
chr7	5253799	5253799	+	2.153E-10	2.23068E-09	-0.23679	hypo	sig	chr7_5253799
chr5	1.29E+08	128965020	+	2.153E-10	2.23148E-09	0.325098	hyper	sig	chr5_128965020
chr17	44988342	44988342	+	2.16E-10	2.23834E-09	0.205599	hyper	sig	chr17_44988342
chr6	24126254	24126254	+	2.161E-10	2.23874E-09	0.201475	hyper	sig	chr6_24126254
chr5	77958045	77958045	+	2.168E-10	2.24544E-09	0.258219	hyper	sig	chr5_77958045
chr1	2.01E+08	200892126	+	2.17E-10	2.24825E-09	-0.2237	hypo	sig	chr1_200892126
chr8	64586127	64586127	+	2.174E-10	2.25161E-09	0.211481	hyper	sig	chr8_64586127
chr5	5890670	5890670	+	2.176E-10	2.25338E-09	-0.2501	hypo	sig	chr5_5890670
chr3	53496043	53496043	+	2.178E-10	2.25601E-09	0.200253	hyper	sig	chr3_53496043
chr5	17495672	17495672	+	2.182E-10	2.25962E-09	-0.25759	hypo	sig	chr5_17495672
chr4	1.53E+08	153248662	+	2.184E-10	2.26215E-09	-0.21617	hypo	sig	chr4_153248662
chr12	1.29E+08	128854303	+	2.197E-10	2.27473E-09	0.204096	hyper	sig	chr12_128854303
chr7	1242500	1242500	+	2.217E-10	2.29421E-09	0.22533	hyper	sig	chr7_1242500
chr6	1.34E+08	133889646	+	2.219E-10	2.29693E-09	0.204931	hyper	sig	chr6_133889646
chr12	56957358	56957358	+	2.224E-10	2.30155E-09	-0.22801	hypo	sig	chr12_56957358
chr17	41620765	41620765	+	2.23E-10	2.3078E-09	-0.20463	hypo	sig	chr17_41620765
chr16	85486414	85486414	+	2.243E-10	2.31994E-09	-0.22361	hypo	sig	chr16_85486414
chr5	55738250	55738250	+	2.243E-10	2.32021E-09	-0.2359	hypo	sig	chr5_55738250
chr19	46373292	46373292	+	2.252E-10	2.32893E-09	-0.23238	hypo	sig	chr19_46373292
chr5	1.78E+08	177604218	+	2.255E-10	2.33208E-09	-0.21131	hypo	sig	chr5_177604218
chr3	1.84E+08	184389746	+	2.256E-10	2.33325E-09	-0.24422	hypo	sig	chr3_184389746

chr9	74501191	74501191	+	2.261E-10	2.3381E-09	0.203179	hyper	sig	chr9_74501191
chr17	803875	803875	+	2.262E-10	2.3391E-09	-0.20142	hypo	sig	chr17_803875
chr1	3277648	3277648	+	2.268E-10	2.34458E-09	-0.21243	hypo	sig	chr1_3277648
chr19	49058335	49058335	+	2.271E-10	2.34765E-09	0.223476	hyper	sig	chr19_49058335
chr1	27725191	27725191	+	2.281E-10	2.35732E-09	-0.21448	hypo	sig	chr1_27725191
chr10	1.23E+08	122954711	+	2.288E-10	2.36456E-09	0.201082	hyper	sig	chr10_122954711
chr7	54701196	54701196	+	2.291E-10	2.36687E-09	-0.20848	hypo	sig	chr7_54701196
chr1	1.83E+08	183416752	+	2.291E-10	2.36741E-09	0.222975	hyper	sig	chr1_183416752
chr11	361432	361432	+	2.293E-10	2.36894E-09	-0.20092	hypo	sig	chr11_361432
chr10	95231164	95231164	+	2.294E-10	2.36976E-09	0.218919	hyper	sig	chr10_95231164
chr15	58864889	58864889	+	2.299E-10	2.37454E-09	0.222309	hyper	sig	chr15_58864889
chr15	28792779	28792779	+	2.302E-10	2.37795E-09	-0.25613	hypo	sig	chr15_28792779
chr2	2.32E+08	231921603	+	2.302E-10	2.37795E-09	-0.21151	hypo	sig	chr2_231921603
chr11	65833336	65833336	+	2.304E-10	2.37953E-09	0.219032	hyper	sig	chr11_65833336
chr5	1.79E+08	178577193	+	2.311E-10	2.38676E-09	0.218412	hyper	sig	chr5_178577193
chr19	46023032	46023032	+	2.311E-10	2.38716E-09	0.213252	hyper	sig	chr19_46023032
chr19	36605578	36605578	+	2.316E-10	2.39149E-09	0.215662	hyper	sig	chr19_36605578
chr1	11044873	11044873	+	2.319E-10	2.39455E-09	-0.21641	hypo	sig	chr1_11044873
chr2	1.71E+08	170822604	+	2.341E-10	2.41704E-09	0.239237	hyper	sig	chr2_170822604
chr2	2.38E+08	238150996	+	2.348E-10	2.42407E-09	-0.23062	hypo	sig	chr2_238150996
chr3	1.2E+08	119810109	+	2.356E-10	2.43147E-09	0.213406	hyper	sig	chr3_119810109
chr6	1.68E+08	167666507	+	2.364E-10	2.4397E-09	-0.25073	hypo	sig	chr6_167666507
chr11	1.3E+08	130037200	+	2.373E-10	2.44812E-09	-0.22232	hypo	sig	chr11_130037200
chr1	1.53E+08	153373746	+	2.38E-10	2.45594E-09	-0.20712	hypo	sig	chr1_153373746
chr16	1346607	1346607	+	2.391E-10	2.46614E-09	-0.2016	hypo	sig	chr16_1346607
chr10	1.23E+08	122954716	+	2.395E-10	2.47006E-09	0.208807	hyper	sig	chr10_122954716
chr5	1.77E+08	177385115	+	2.399E-10	2.4739E-09	-0.22972	hypo	sig	chr5_177385115
chr8	1.03E+08	103370295	+	2.402E-10	2.47732E-09	-0.22491	hypo	sig	chr8_103370295
chr10	73651699	73651699	+	2.417E-10	2.49216E-09	-0.23763	hypo	sig	chr10_73651699
chr16	3029651	3029651	+	2.422E-10	2.49664E-09	0.200096	hyper	sig	chr16_3029651
chr3	75668112	75668112	+	2.427E-10	2.50137E-09	0.200629	hyper	sig	chr3_75668112
chr16	55327763	55327763	+	2.446E-10	2.52061E-09	0.211048	hyper	sig	chr16_55327763
chr6	28478647	28478647	+	2.453E-10	2.52749E-09	-0.22169	hypo	sig	chr6_28478647
chr10	1.01E+08	101282915	+	2.476E-10	2.55049E-09	-0.20027	hypo	sig	chr10_101282915
chr2	2.41E+08	240728366	+	2.476E-10	2.55071E-09	-0.26071	hypo	sig	chr2_240728366
chr14	40629954	40629954	+	2.484E-10	2.55798E-09	-0.2139	hypo	sig	chr14_40629954
chr2	1.13E+08	113499284	+	2.485E-10	2.55912E-09	0.234537	hyper	sig	chr2_113499284
chr6	29734216	29734216	+	2.489E-10	2.56341E-09	-0.20747	hypo	sig	chr6_29734216
chr3	1.2E+08	119810101	+	2.505E-10	2.57937E-09	0.212523	hyper	sig	chr3_119810101
chr4	17781817	17781817	+	2.508E-10	2.58187E-09	0.216858	hyper	sig	chr4_17781817
chr20	58514967	58514967	+	2.511E-10	2.5849E-09	0.216393	hyper	sig	chr20_58514967
chr12	57632240	57632240	+	2.514E-10	2.58823E-09	0.219209	hyper	sig	chr12_57632240
chr4	2066621	2066621	+	2.528E-10	2.60127E-09	-0.20147	hypo	sig	chr4_2066621
chr17	8089120	8089120	+	2.534E-10	2.60774E-09	-0.26267	hypo	sig	chr17_8089120
chr6	16216786	16216786	+	2.536E-10	2.60912E-09	0.315828	hyper	sig	chr6_16216786
chr7	1.57E+08	157005851	+	2.539E-10	2.61284E-09	0.205641	hyper	sig	chr7_157005851
chr9	1.36E+08	136345627	+	2.544E-10	2.61783E-09	-0.21105	hypo	sig	chr9_136345627
chr7	6101393	6101393	+	2.552E-10	2.62494E-09	-0.23928	hypo	sig	chr7_6101393
chr17	30573068	30573068	+	2.555E-10	2.62811E-09	-0.23655	hypo	sig	chr17_30573068
chr13	25067169	25067169	+	2.555E-10	2.62813E-09	-0.21424	hypo	sig	chr13_25067169
chr12	1.3E+08	129848931	+	2.558E-10	2.63115E-09	-0.27716	hypo	sig	chr12_129848931
chr1	1.52E+08	151838369	+	2.558E-10	2.63161E-09	0.228268	hyper	sig	chr1_151838369
chr4	52873863	52873863	+	2.558E-10	2.63161E-09	-0.22277	hypo	sig	chr4_52873863
chr19	2511572	2511572	+	2.562E-10	2.6346E-09	-0.22605	hypo	sig	chr19_2511572
chr3	1.83E+08	183176729	+	2.562E-10	2.63514E-09	-0.20067	hypo	sig	chr3_183176729
chr6	52839516	52839516	+	2.577E-10	2.64976E-09	-0.23899	hypo	sig	chr6_52839516

chr8	17910029	17910029	+	2.591E-10	2.66396E-09	-0.20162	hypo	sig	chr8_17910029
chr10	720276	720276	+	2.595E-10	2.66748E-09	-0.21923	hypo	sig	chr10_720276
chr8	96525490	96525490	+	2.599E-10	2.67125E-09	-0.20097	hypo	sig	chr8_96525490
chr16	56985783	56985783	+	2.601E-10	2.67341E-09	-0.27524	hypo	sig	chr16_56985783
chr2	2.36E+08	235703314	+	2.607E-10	2.67905E-09	-0.20982	hypo	sig	chr2_235703314
chr1	2.34E+08	234206819	+	2.622E-10	2.69425E-09	-0.20716	hypo	sig	chr1_234206819
chr3	1.28E+08	128493400	+	2.626E-10	2.69762E-09	0.215733	hyper	sig	chr3_128493400
chr5	1.13E+08	113433573	+	2.626E-10	2.69848E-09	-0.24664	hypo	sig	chr5_113433573
chr8	1.44E+08	144339105	+	2.636E-10	2.70782E-09	0.21271	hyper	sig	chr8_144339105
chr7	73378737	73378737	+	2.637E-10	2.70905E-09	-0.20413	hypo	sig	chr7_73378737
chr20	31441090	31441090	+	2.646E-10	2.71807E-09	-0.23251	hypo	sig	chr20_31441090
chr12	1.33E+08	132888335	+	2.652E-10	2.72295E-09	0.203392	hyper	sig	chr12_132888335
chr11	30017457	30017457	+	2.653E-10	2.72406E-09	0.235037	hyper	sig	chr11_30017457
chr14	1.05E+08	104926895	+	2.662E-10	2.7332E-09	-0.23142	hypo	sig	chr14_104926895
chr2	2.19E+08	218953699	+	2.662E-10	2.73357E-09	-0.20111	hypo	sig	chr2_218953699
chr3	42264967	42264967	+	2.673E-10	2.74365E-09	0.232999	hyper	sig	chr3_42264967
chr13	22926228	22926228	+	2.682E-10	2.75261E-09	0.223251	hyper	sig	chr13_22926228
chr19	42320048	42320048	+	2.682E-10	2.75332E-09	-0.2493	hypo	sig	chr19_42320048
chr2	88443073	88443073	+	2.688E-10	2.75857E-09	-0.20664	hypo	sig	chr2_88443073
chr11	71589708	71589708	+	2.688E-10	2.75902E-09	-0.21766	hypo	sig	chr11_71589708
chr22	49670196	49670196	+	2.688E-10	2.75902E-09	0.22813	hyper	sig	chr22_49670196
chr11	1026047	1026047	+	2.688E-10	2.75909E-09	-0.23658	hypo	sig	chr11_1026047
chr2	74130547	74130547	+	2.693E-10	2.7635E-09	0.215932	hyper	sig	chr2_74130547
chr1	1434191	1434191	+	2.701E-10	2.77157E-09	-0.20341	hypo	sig	chr1_1434191
chr12	1.32E+08	132342817	+	2.704E-10	2.77401E-09	-0.23658	hypo	sig	chr12_132342817
chr20	43188322	43188322	+	2.704E-10	2.77496E-09	0.211462	hyper	sig	chr20_43188322
chr16	54291232	54291232	+	2.708E-10	2.77873E-09	0.21891	hyper	sig	chr16_54291232
chr19	32869747	32869747	+	2.71E-10	2.78024E-09	-0.22162	hypo	sig	chr19_32869747
chr5	485338	485338	+	2.711E-10	2.78125E-09	-0.20762	hypo	sig	chr5_485338
chr6	1.61E+08	160988400	+	2.725E-10	2.79442E-09	-0.22074	hypo	sig	chr6_160988400
chr3	62371470	62371470	+	2.73E-10	2.79952E-09	0.218211	hyper	sig	chr3_62371470
chr14	76407392	76407392	+	2.73E-10	2.80017E-09	-0.21862	hypo	sig	chr14_76407392
chr7	1.29E+08	128697671	+	2.736E-10	2.80544E-09	0.222361	hyper	sig	chr7_128697671
chr8	56316056	56316056	+	2.737E-10	2.80651E-09	-0.30349	hypo	sig	chr8_56316056
chr7	49774766	49774766	+	2.739E-10	2.809E-09	0.201794	hyper	sig	chr7_49774766
chr9	1.28E+08	127607872	+	2.746E-10	2.8158E-09	-0.28737	hypo	sig	chr9_127607872
chr11	66307656	66307656	+	2.751E-10	2.82055E-09	-0.23362	hypo	sig	chr11_66307656
chr4	73836358	73836358	+	2.753E-10	2.82216E-09	0.205197	hyper	sig	chr4_73836358
chr17	45406062	45406062	+	2.759E-10	2.82852E-09	-0.20594	hypo	sig	chr17_45406062
chr19	56765355	56765355	+	2.765E-10	2.83385E-09	0.20762	hyper	sig	chr19_56765355
chr20	56001268	56001268	+	2.765E-10	2.83402E-09	-0.23994	hypo	sig	chr20_56001268
chr3	1.82E+08	181726336	+	2.767E-10	2.83579E-09	0.250783	hyper	sig	chr3_181726336
chr11	45667632	45667632	+	2.788E-10	2.85666E-09	-0.22428	hypo	sig	chr11_45667632
chr14	38210687	38210687	+	2.804E-10	2.87299E-09	0.21016	hyper	sig	chr14_38210687
chr4	55157898	55157898	+	2.806E-10	2.87481E-09	0.20767	hyper	sig	chr4_55157898
chr6	44561420	44561420	+	2.811E-10	2.87986E-09	0.255016	hyper	sig	chr6_44561420
chr11	33656055	33656055	+	2.819E-10	2.88742E-09	-0.23758	hypo	sig	chr11_33656055
chr19	45385577	45385577	+	2.822E-10	2.89051E-09	0.22561	hyper	sig	chr19_45385577
chr7	1.51E+08	151242471	+	2.836E-10	2.90436E-09	-0.20276	hypo	sig	chr7_151242471
chr21	44933716	44933716	+	2.844E-10	2.91242E-09	-0.20223	hypo	sig	chr21_44933716
chr15	27527419	27527419	+	2.854E-10	2.92164E-09	-0.23424	hypo	sig	chr15_27527419
chr14	96739621	96739621	+	2.856E-10	2.92418E-09	-0.22505	hypo	sig	chr14_96739621
chr7	1.28E+08	127589213	+	2.861E-10	2.92852E-09	0.238158	hyper	sig	chr7_127589213
chr16	89623928	89623928	+	2.867E-10	2.93499E-09	0.209502	hyper	sig	chr16_89623928
chr2	1.35E+08	134722886	+	2.873E-10	2.94064E-09	-0.20599	hypo	sig	chr2_134722886
chr16	3548619	3548619	+	2.888E-10	2.95552E-09	-0.24261	hypo	sig	chr16_3548619

chr9	1.31E+08	130663470	+	2.89E-10	2.95729E-09	0.20763	hyper	sig	chr9_130663470
chr17	44657213	44657213	+	2.89E-10	2.95736E-09	0.21744	hyper	sig	chr17_44657213
chr7	1.59E+08	159027084	+	2.899E-10	2.96571E-09	-0.22239	hypo	sig	chr7_159027084
chr20	21397835	21397835	+	2.908E-10	2.97415E-09	0.239625	hyper	sig	chr20_21397835
chr20	21397825	21397825	+	2.908E-10	2.97488E-09	0.24576	hyper	sig	chr20_21397825
chr1	92441930	92441930	+	2.916E-10	2.98233E-09	-0.27377	hypo	sig	chr1_92441930
chr8	1.43E+08	143282102	+	2.916E-10	2.98244E-09	-0.20575	hypo	sig	chr8_143282102
chr5	1.77E+08	177379456	+	2.916E-10	2.98268E-09	-0.24849	hypo	sig	chr5_177379456
chr7	1.43E+08	142856956	+	2.952E-10	3.01758E-09	-0.28416	hypo	sig	chr7_142856956
chr11	18209258	18209258	+	2.961E-10	3.02691E-09	0.210378	hyper	sig	chr11_18209258
chr7	27116009	27116009	+	2.962E-10	3.0274E-09	0.23191	hyper	sig	chr7_27116009
chr16	85697562	85697562	+	2.964E-10	3.0293E-09	-0.25945	hypo	sig	chr16_85697562
chr10	777238	777238	+	2.976E-10	3.0409E-09	-0.20027	hypo	sig	chr10_777238
chr2	1.56E+08	156320830	+	2.976E-10	3.04161E-09	0.201023	hyper	sig	chr2_156320830
chr16	49849844	49849844	+	2.99E-10	3.05524E-09	-0.20327	hypo	sig	chr16_49849844
chr12	65121539	65121539	+	3.004E-10	3.06829E-09	0.269274	hyper	sig	chr12_65121539
chr1	17149270	17149270	+	3.012E-10	3.0766E-09	0.264256	hyper	sig	chr1_17149270
chr3	1.25E+08	125193617	+	3.018E-10	3.08195E-09	0.259589	hyper	sig	chr3_125193617
chr6	37582447	37582447	+	3.025E-10	3.08901E-09	-0.21632	hypo	sig	chr6_37582447
chr15	79562563	79562563	+	3.025E-10	3.08927E-09	0.216048	hyper	sig	chr15_79562563
chr10	87338201	87338201	+	3.047E-10	3.11045E-09	-0.22252	hypo	sig	chr10_87338201
chr4	1.84E+08	184166805	+	3.053E-10	3.11627E-09	-0.28558	hypo	sig	chr4_184166805
chr20	63171713	63171713	+	3.053E-10	3.11673E-09	-0.23973	hypo	sig	chr20_63171713
chr19	53158157	53158157	+	3.063E-10	3.12595E-09	0.23279	hyper	sig	chr19_53158157
chr12	51721513	51721513	+	3.068E-10	3.13108E-09	0.254001	hyper	sig	chr12_51721513
chr14	74347292	74347292	+	3.068E-10	3.13117E-09	-0.20199	hypo	sig	chr14_74347292
chr5	1.81E+08	180588452	+	3.081E-10	3.14355E-09	-0.20694	hypo	sig	chr5_180588452
chr7	1.01E+08	101096336	+	3.082E-10	3.14418E-09	-0.27962	hypo	sig	chr7_101096336
chr2	1.32E+08	131647050	+	3.091E-10	3.15318E-09	0.206062	hyper	sig	chr2_131647050
chr17	50028536	50028536	+	3.095E-10	3.15683E-09	-0.30714	hypo	sig	chr17_50028536
chr2	42102300	42102300	+	3.097E-10	3.15875E-09	0.221025	hyper	sig	chr2_42102300
chr9	1.34E+08	133979505	+	3.098E-10	3.15951E-09	0.205012	hyper	sig	chr9_133979505
chr10	68562199	68562199	+	3.104E-10	3.16558E-09	0.219958	hyper	sig	chr10_68562199
chr17	28717638	28717638	+	3.122E-10	3.18343E-09	0.268341	hyper	sig	chr17_28717638
chr12	53973481	53973481	+	3.13E-10	3.19092E-09	0.205614	hyper	sig	chr12_53973481
chr20	1302844	1302844	+	3.137E-10	3.19853E-09	-0.21453	hypo	sig	chr20_1302844
chr12	50842363	50842363	+	3.157E-10	3.21753E-09	-0.25171	hypo	sig	chr12_50842363
chr2	2751693	2751693	+	3.159E-10	3.21946E-09	-0.21254	hypo	sig	chr2_2751693
chr2	1.82E+08	181678610	+	3.171E-10	3.23136E-09	0.275451	hyper	sig	chr2_181678610
chr4	5026968	5026968	+	3.185E-10	3.24463E-09	-0.21268	hypo	sig	chr4_5026968
chr9	1.33E+08	132579531	+	3.193E-10	3.25335E-09	0.203637	hyper	sig	chr9_132579531
chr18	10723763	10723763	+	3.197E-10	3.25705E-09	-0.21633	hypo	sig	chr18_10723763
chr3	1.38E+08	138344018	+	3.206E-10	3.26565E-09	-0.20733	hypo	sig	chr3_138344018
chr21	18245650	18245650	+	3.223E-10	3.28193E-09	0.206707	hyper	sig	chr21_18245650
chr4	1.44E+08	143912026	+	3.228E-10	3.28657E-09	0.218237	hyper	sig	chr4_143912026
chr11	1.34E+08	134277639	+	3.256E-10	3.31388E-09	0.262717	hyper	sig	chr11_134277639
chr7	1406629	1406629	+	3.257E-10	3.31563E-09	-0.20783	hypo	sig	chr7_1406629
chr15	70859826	70859826	+	3.261E-10	3.31943E-09	-0.22714	hypo	sig	chr15_70859826
chr8	1.38E+08	137755360	+	3.285E-10	3.34265E-09	-0.25246	hypo	sig	chr8_137755360
chr6	1.12E+08	112367456	+	3.289E-10	3.34682E-09	0.254989	hyper	sig	chr6_112367456
chr20	35967094	35967094	+	3.293E-10	3.35014E-09	-0.216	hypo	sig	chr20_35967094
chr6	28478698	28478698	+	3.303E-10	3.36057E-09	-0.21919	hypo	sig	chr6_28478698
chr6	32013433	32013433	+	3.304E-10	3.36166E-09	-0.21278	hypo	sig	chr6_32013433
chr14	55241158	55241158	+	3.309E-10	3.36561E-09	0.268743	hyper	sig	chr14_55241158
chr2	1.61E+08	161422779	+	3.314E-10	3.37113E-09	0.221899	hyper	sig	chr2_161422779
chr19	8502618	8502618	+	3.317E-10	3.3738E-09	-0.21314	hypo	sig	chr19_8502618

chr4	41873529	41873529	+	3.324E-10	3.38015E-09	0.242272	hyper	sig	chr4_41873529
chr19	40812019	40812019	+	3.326E-10	3.38249E-09	0.209886	hyper	sig	chr19_40812019
chr13	35475764	35475764	+	3.327E-10	3.38347E-09	0.221214	hyper	sig	chr13_35475764
chr17	8327483	8327483	+	3.327E-10	3.38347E-09	0.216838	hyper	sig	chr17_8327483
chr7	50301694	50301694	+	3.327E-10	3.38354E-09	-0.26725	hypo	sig	chr7_50301694
chr3	16440249	16440249	+	3.333E-10	3.38858E-09	-0.23565	hypo	sig	chr3_16440249
chr8	31639053	31639053	+	3.339E-10	3.39476E-09	0.239836	hyper	sig	chr8_31639053
chr12	41188224	41188224	+	3.342E-10	3.39734E-09	0.227844	hyper	sig	chr12_41188224
chr22	43431843	43431843	+	3.343E-10	3.39844E-09	-0.22783	hypo	sig	chr22_43431843
chr5	88889300	88889300	+	3.344E-10	3.39968E-09	0.221079	hyper	sig	chr5_88889300
chr3	1.7E+08	170496658	+	3.347E-10	3.40251E-09	-0.2065	hypo	sig	chr3_170496658
chr2	2.32E+08	232419869	+	3.363E-10	3.41801E-09	0.205831	hyper	sig	chr2_232419869
chr22	24426808	24426808	+	3.364E-10	3.41909E-09	-0.23383	hypo	sig	chr22_24426808
chr12	24902554	24902554	+	3.378E-10	3.43304E-09	0.257122	hyper	sig	chr12_24902554
chr17	80823129	80823129	+	3.389E-10	3.44405E-09	-0.23609	hypo	sig	chr17_80823129
chr3	1.28E+08	128463562	+	3.39E-10	3.44491E-09	-0.21312	hypo	sig	chr3_128463562
chr12	1.32E+08	132477723	+	3.401E-10	3.45502E-09	-0.20703	hypo	sig	chr12_132477723
chr10	1.32E+08	131985916	+	3.415E-10	3.4683E-09	-0.2355	hypo	sig	chr10_131985916
chr13	50401543	50401543	+	3.415E-10	3.46916E-09	0.202767	hyper	sig	chr13_50401543
chr4	1506381	1506381	+	3.419E-10	3.47288E-09	-0.21769	hypo	sig	chr4_1506381
chr19	1798333	1798333	+	3.425E-10	3.47823E-09	-0.27225	hypo	sig	chr19_1798333
chr19	46468203	46468203	+	3.431E-10	3.48389E-09	-0.27852	hypo	sig	chr19_46468203
chr6	28259215	28259215	+	3.431E-10	3.48389E-09	0.207276	hyper	sig	chr6_28259215
chr1	1.15E+08	115338252	+	3.442E-10	3.49495E-09	0.20154	hyper	sig	chr1_115338252
chr17	76438818	76438818	+	3.442E-10	3.49532E-09	-0.23972	hypo	sig	chr17_76438818
chr5	1.76E+08	175657207	+	3.443E-10	3.49567E-09	-0.25469	hypo	sig	chr5_175657207
chr6	1.66E+08	165854405	+	3.443E-10	3.49595E-09	0.220228	hyper	sig	chr6_165854405
chr5	3605995	3605995	+	3.445E-10	3.49815E-09	0.206861	hyper	sig	chr5_3605995
chr18	75456267	75456267	+	3.449E-10	3.50207E-09	0.21107	hyper	sig	chr18_75456267
chr6	36839149	36839149	+	3.463E-10	3.51544E-09	0.204666	hyper	sig	chr6_36839149
chr7	1.01E+08	101094595	+	3.464E-10	3.51644E-09	-0.29398	hypo	sig	chr7_101094595
chr8	1.04E+08	104466416	+	3.475E-10	3.52704E-09	0.228352	hyper	sig	chr8_104466416
chr7	35455071	35455071	+	3.476E-10	3.52778E-09	0.220093	hyper	sig	chr7_35455071
chr10	1.2E+08	119541622	+	3.488E-10	3.54022E-09	0.269642	hyper	sig	chr10_119541622
chr2	1.56E+08	156320811	+	3.497E-10	3.54815E-09	0.211351	hyper	sig	chr2_156320811
chr4	1.47E+08	146633076	+	3.507E-10	3.55859E-09	0.232561	hyper	sig	chr4_146633076
chr16	54290647	54290647	+	3.508E-10	3.55914E-09	0.257407	hyper	sig	chr16_54290647
chr19	42529186	42529186	+	3.51E-10	3.56095E-09	-0.21484	hypo	sig	chr19_42529186
chr19	52493163	52493163	+	3.512E-10	3.56323E-09	0.268565	hyper	sig	chr19_52493163
chr2	99590536	99590536	+	3.513E-10	3.56388E-09	-0.21032	hypo	sig	chr2_99590536
chr19	21569260	21569260	+	3.54E-10	3.58983E-09	0.206456	hyper	sig	chr19_21569260
chr10	23172405	23172405	+	3.544E-10	3.59435E-09	0.234355	hyper	sig	chr10_23172405
chr12	1.3E+08	130356383	+	3.548E-10	3.59739E-09	-0.20705	hypo	sig	chr12_130356383
chr18	77671611	77671611	+	3.548E-10	3.59818E-09	0.203704	hyper	sig	chr18_77671611
chr19	35959511	35959511	+	3.551E-10	3.60105E-09	0.206237	hyper	sig	chr19_35959511
chr19	53058064	53058064	+	3.552E-10	3.60156E-09	0.313592	hyper	sig	chr19_53058064
chr8	1.42E+08	141520684	+	3.557E-10	3.606E-09	-0.20634	hypo	sig	chr8_141520684
chr18	46560417	46560417	+	3.568E-10	3.61724E-09	-0.22173	hypo	sig	chr18_46560417
chr7	1.51E+08	151204803	+	3.57E-10	3.61924E-09	-0.22505	hypo	sig	chr7_151204803
chr19	34905282	34905282	+	3.573E-10	3.62178E-09	0.237855	hyper	sig	chr19_34905282
chr20	21395822	21395822	+	3.578E-10	3.6267E-09	0.215675	hyper	sig	chr20_21395822
chr10	22476682	22476682	+	3.598E-10	3.64599E-09	0.200562	hyper	sig	chr10_22476682
chr5	17654485	17654485	+	3.599E-10	3.64751E-09	-0.23616	hypo	sig	chr5_17654485
chr19	1809741	1809741	+	3.607E-10	3.65509E-09	-0.22389	hypo	sig	chr19_1809741
chr1	1.83E+08	183417104	+	3.613E-10	3.66166E-09	0.210012	hyper	sig	chr1_183417104
chr10	773739	773739	+	3.619E-10	3.66692E-09	-0.2186	hypo	sig	chr10_773739

chr5	1.76E+08	176192435	+	3.629E-10	3.67643E-09	-0.21849	hypo	sig	chr5_176192435
chr8	60660792	60660792	+	3.633E-10	3.68101E-09	-0.21497	hypo	sig	chr8_60660792
chr20	61954745	61954745	+	3.634E-10	3.68224E-09	-0.22593	hypo	sig	chr20_61954745
chr1	1.62E+08	161721224	+	3.647E-10	3.69493E-09	-0.24503	hypo	sig	chr1_161721224
chr1	1.48E+08	148354577	+	3.654E-10	3.70114E-09	0.227252	hyper	sig	chr1_148354577
chr7	6528845	6528845	+	3.661E-10	3.70847E-09	-0.24232	hypo	sig	chr7_6528845
chr20	56925968	56925968	+	3.684E-10	3.73095E-09	0.20033	hyper	sig	chr20_56925968
chr6	1.61E+08	160676381	+	3.685E-10	3.73132E-09	-0.25675	hypo	sig	chr6_160676381
chr19	35044164	35044164	+	3.685E-10	3.73147E-09	-0.23824	hypo	sig	chr19_35044164
chr5	1.55E+08	154615011	+	3.701E-10	3.74733E-09	-0.20335	hypo	sig	chr5_154615011
chr8	64577090	64577090	+	3.701E-10	3.74752E-09	0.226046	hyper	sig	chr8_64577090
chr1	9070468	9070468	+	3.705E-10	3.75118E-09	-0.21248	hypo	sig	chr1_9070468
chr6	10390114	10390114	+	3.706E-10	3.75201E-09	0.236822	hyper	sig	chr6_10390114
chr1	3077430	3077430	+	3.715E-10	3.76041E-09	-0.24708	hypo	sig	chr1_3077430
chr1	46544437	46544437	+	3.718E-10	3.76373E-09	0.203053	hyper	sig	chr1_46544437
chr7	65869534	65869534	+	3.72E-10	3.76574E-09	-0.21061	hypo	sig	chr7_65869534
chr8	98426492	98426492	+	3.725E-10	3.7707E-09	0.2083	hyper	sig	chr8_98426492
chr17	39593589	39593589	+	3.732E-10	3.7767E-09	-0.20496	hypo	sig	chr17_39593589
chr19	46040986	46040986	+	3.732E-10	3.77701E-09	-0.20598	hypo	sig	chr19_46040986
chr3	1.43E+08	143177289	+	3.737E-10	3.7822E-09	-0.22603	hypo	sig	chr3_143177289
chr8	98938914	98938914	+	3.739E-10	3.78382E-09	0.217113	hyper	sig	chr8_98938914
chr19	666007	666007	+	3.75E-10	3.7947E-09	-0.20637	hypo	sig	chr19_666007
chr8	53876624	53876624	+	3.765E-10	3.80855E-09	0.286801	hyper	sig	chr8_53876624
chr2	1.76E+08	176189510	+	3.768E-10	3.81217E-09	0.216852	hyper	sig	chr2_176189510
chr19	41930347	41930347	+	3.769E-10	3.81224E-09	-0.21022	hypo	sig	chr19_41930347
chr5	1.8E+08	179519963	+	3.773E-10	3.81661E-09	-0.23354	hypo	sig	chr5_179519963
chr2	54722629	54722629	+	3.79E-10	3.83284E-09	-0.21534	hypo	sig	chr2_54722629
chr3	87085977	87085977	+	3.809E-10	3.85038E-09	-0.32111	hypo	sig	chr3_87085977
chr14	58396710	58396710	+	3.821E-10	3.86287E-09	-0.21379	hypo	sig	chr14_58396710
chr3	1.32E+08	131535356	+	3.825E-10	3.86637E-09	-0.21508	hypo	sig	chr3_131535356
chr14	92329179	92329179	+	3.831E-10	3.87157E-09	-0.2409	hypo	sig	chr14_92329179
chr7	182414	182414	+	3.844E-10	3.8846E-09	-0.22679	hypo	sig	chr7_182414
chr16	87406992	87406992	+	3.856E-10	3.89609E-09	-0.21939	hypo	sig	chr16_87406992
chr21	44368031	44368031	+	3.867E-10	3.90686E-09	-0.2129	hypo	sig	chr21_44368031
chr10	1.17E+08	117143549	+	3.872E-10	3.91181E-09	-0.20991	hypo	sig	chr10_117143549
chr17	77540985	77540985	+	3.881E-10	3.92033E-09	-0.20751	hypo	sig	chr17_77540985
chr3	1.24E+08	123692364	+	3.883E-10	3.92227E-09	-0.21324	hypo	sig	chr3_123692364
chr7	73669840	73669840	+	3.885E-10	3.92427E-09	-0.2869	hypo	sig	chr7_73669840
chr4	1.47E+08	146633090	+	3.889E-10	3.92756E-09	0.229358	hyper	sig	chr4_146633090
chr1	38476731	38476731	+	3.894E-10	3.93254E-09	0.21236	hyper	sig	chr1_38476731
chr20	38728123	38728123	+	3.894E-10	3.93262E-09	0.215965	hyper	sig	chr20_38728123
chr7	1.57E+08	157044000	+	3.903E-10	3.94181E-09	-0.24744	hypo	sig	chr7_157044000
chr3	68931153	68931153	+	3.925E-10	3.9626E-09	0.203912	hyper	sig	chr3_68931153
chr19	4283146	4283146	+	3.934E-10	3.97149E-09	-0.21154	hypo	sig	chr19_4283146
chr13	40922803	40922803	+	3.948E-10	3.9849E-09	-0.24672	hypo	sig	chr13_40922803
chr2	31581254	31581254	+	3.965E-10	4.00213E-09	0.210586	hyper	sig	chr2_31581254
chr5	1.41E+08	140849782	+	3.98E-10	4.01592E-09	0.227847	hyper	sig	chr5_140849782
chr19	3229788	3229788	+	3.998E-10	4.03395E-09	-0.21781	hypo	sig	chr19_3229788
chr1	1.57E+08	156642583	+	4.001E-10	4.03721E-09	0.210797	hyper	sig	chr1_156642583
chr12	1.32E+08	131710490	+	4.014E-10	4.04993E-09	0.223711	hyper	sig	chr12_131710490
chr11	32428911	32428911	+	4.016E-10	4.05129E-09	0.203652	hyper	sig	chr11_32428911
chr16	3089048	3089048	+	4.038E-10	4.07283E-09	-0.23862	hypo	sig	chr16_3089048
chr4	41744859	41744859	+	4.046E-10	4.08033E-09	0.279176	hyper	sig	chr4_41744859
chr10	1.01E+08	101135355	+	4.047E-10	4.08114E-09	0.205722	hyper	sig	chr10_101135355
chr17	78364754	78364754	+	4.07E-10	4.10284E-09	-0.21	hypo	sig	chr17_78364754
chr2	25698256	25698256	+	4.07E-10	4.10355E-09	-0.23525	hypo	sig	chr2_25698256

chr22	20364363	20364363	+	4.084E-10	4.1163E-09	-0.20679	hypo	sig	chr22_20364363
chr1	16521096	16521096	+	4.089E-10	4.1219E-09	0.204682	hyper	sig	chr1_16521096
chr16	31569257	31569257	+	4.101E-10	4.13355E-09	0.234154	hyper	sig	chr16_31569257
chr11	31826038	31826038	+	4.133E-10	4.16387E-09	0.254662	hyper	sig	chr11_31826038
chr22	32414404	32414404	+	4.138E-10	4.16921E-09	-0.20941	hypo	sig	chr22_32414404
chr19	524182	524182	+	4.144E-10	4.17464E-09	-0.21571	hypo	sig	chr19_524182
chr1	2.1E+08	209938708	+	4.157E-10	4.18776E-09	0.238722	hyper	sig	chr1_209938708
chr12	48184918	48184918	+	4.16E-10	4.18993E-09	0.260114	hyper	sig	chr12_48184918
chr11	68009555	68009555	+	4.195E-10	4.22403E-09	-0.26839	hypo	sig	chr11_68009555
chr14	60653870	60653870	+	4.198E-10	4.22667E-09	0.21061	hyper	sig	chr14_60653870
chr2	2.18E+08	218033717	+	4.202E-10	4.23013E-09	-0.26555	hypo	sig	chr2_218033717
chr9	1.05E+08	104928481	+	4.211E-10	4.23914E-09	0.227028	hyper	sig	chr9_104928481
chr1	32753668	32753668	+	4.218E-10	4.24529E-09	0.203001	hyper	sig	chr1_32753668
chr4	1.69E+08	168877803	+	4.223E-10	4.25065E-09	0.209458	hyper	sig	chr4_168877803
chr20	35539775	35539775	+	4.23E-10	4.25707E-09	-0.27063	hypo	sig	chr20_35539775
chr11	64972306	64972306	+	4.24E-10	4.26677E-09	0.203555	hyper	sig	chr11_64972306
chr17	80196275	80196275	+	4.254E-10	4.28016E-09	0.212574	hyper	sig	chr17_80196275
chr3	98594200	98594200	+	4.257E-10	4.28343E-09	-0.29406	hypo	sig	chr3_98594200
chr12	1.03E+08	102824720	+	4.271E-10	4.29685E-09	0.218685	hyper	sig	chr12_102824720
chr8	47998174	47998174	+	4.285E-10	4.31027E-09	-0.21693	hypo	sig	chr8_47998174
chr17	57045438	57045438	+	4.286E-10	4.31126E-09	0.246895	hyper	sig	chr17_57045438
chr5	1.16E+08	115963788	+	4.287E-10	4.31204E-09	0.240985	hyper	sig	chr5_115963788
chr11	46361459	46361459	+	4.295E-10	4.31965E-09	0.203918	hyper	sig	chr11_46361459
chr7	4810490	4810490	+	4.295E-10	4.32008E-09	-0.22294	hypo	sig	chr7_4810490
chr16	71230548	71230548	+	4.304E-10	4.32918E-09	0.241233	hyper	sig	chr16_71230548
chr11	1.25E+08	125494843	+	4.313E-10	4.33739E-09	0.223882	hyper	sig	chr11_125494843
chr14	96042193	96042193	+	4.316E-10	4.33999E-09	-0.22545	hypo	sig	chr14_96042193
chr12	1.31E+08	130953978	+	4.327E-10	4.35103E-09	0.21408	hyper	sig	chr12_130953978
chr2	44944739	44944739	+	4.338E-10	4.3618E-09	0.214503	hyper	sig	chr2_44944739
chr3	50303076	50303076	+	4.357E-10	4.37979E-09	-0.22443	hypo	sig	chr3_50303076
chr11	20162616	20162616	+	4.373E-10	4.39469E-09	0.202078	hyper	sig	chr11_20162616
chr17	49964552	49964552	+	4.382E-10	4.40421E-09	0.212048	hyper	sig	chr17_49964552
chr4	41873526	41873526	+	4.383E-10	4.40491E-09	0.239904	hyper	sig	chr4_41873526
chr12	1.04E+08	104303889	+	4.393E-10	4.41489E-09	0.245051	hyper	sig	chr12_104303889
chr11	20598726	20598726	+	4.508E-10	4.52482E-09	0.210703	hyper	sig	chr11_20598726
chr9	1.29E+08	129254081	+	4.524E-10	4.54095E-09	0.213713	hyper	sig	chr9_129254081
chr6	1.7E+08	170472348	+	4.527E-10	4.54302E-09	-0.23588	hypo	sig	chr6_170472348
chr19	9498410	9498410	+	4.551E-10	4.56621E-09	0.221853	hyper	sig	chr19_9498410
chr19	58098043	58098043	+	4.551E-10	4.56675E-09	0.231749	hyper	sig	chr19_58098043
chr5	1.59E+08	159104404	+	4.554E-10	4.56888E-09	0.210845	hyper	sig	chr5_159104404
chr6	28988788	28988788	+	4.571E-10	4.58536E-09	0.209571	hyper	sig	chr6_28988788
chr6	45662022	45662022	+	4.58E-10	4.5935E-09	-0.23636	hypo	sig	chr6_45662022
chr14	1.04E+08	104164260	+	4.6E-10	4.61374E-09	-0.23259	hypo	sig	chr14_104164260
chr18	77250945	77250945	+	4.61E-10	4.623E-09	0.224832	hyper	sig	chr18_77250945
chr2	45170937	45170937	+	4.63E-10	4.64181E-09	0.206772	hyper	sig	chr2_45170937
chr12	1.24E+08	124457438	+	4.634E-10	4.64593E-09	0.223092	hyper	sig	chr12_124457438
chr7	1.51E+08	151280389	+	4.642E-10	4.65363E-09	-0.23731	hypo	sig	chr7_151280389
chr8	47998172	47998172	+	4.649E-10	4.66029E-09	-0.2144	hypo	sig	chr8_47998172
chr12	1.15E+08	114547387	+	4.65E-10	4.66186E-09	-0.20227	hypo	sig	chr12_114547387
chr2	71830746	71830746	+	4.666E-10	4.67658E-09	-0.20595	hypo	sig	chr2_71830746
chr10	95231166	95231166	+	4.677E-10	4.68704E-09	0.221915	hyper	sig	chr10_95231166
chr15	93074769	93074769	+	4.69E-10	4.69957E-09	-0.21066	hypo	sig	chr15_93074769
chr1	1.5E+08	150282742	+	4.69E-10	4.69975E-09	0.216891	hyper	sig	chr1_150282742
chr10	1.31E+08	130747978	+	4.711E-10	4.71929E-09	-0.2148	hypo	sig	chr10_130747978
chr13	18874868	18874868	+	4.72E-10	4.72846E-09	0.214978	hyper	sig	chr13_18874868
chr16	160802	160802	+	4.742E-10	4.7493E-09	-0.21752	hypo	sig	chr16_160802

chr4	1.57E+08	157222962	+	4.786E-10	4.79133E-09	0.235894	hyper	sig	chr4_157222962
chr12	48198973	48198973	+	4.799E-10	4.80374E-09	0.203503	hyper	sig	chr12_48198973
chr2	86809797	86809797	+	4.811E-10	4.81582E-09	0.234137	hyper	sig	chr2_86809797
chr7	45088632	45088632	+	4.811E-10	4.81594E-09	0.246644	hyper	sig	chr7_45088632
chr13	1.12E+08	111508718	+	4.814E-10	4.81801E-09	-0.22474	hypo	sig	chr13_111508718
chr7	97021880	97021880	+	4.839E-10	4.84246E-09	0.214142	hyper	sig	chr7_97021880
chr2	2.41E+08	240647633	+	4.885E-10	4.88695E-09	-0.21642	hypo	sig	chr2_240647633
chr7	74094664	74094664	+	4.902E-10	4.90277E-09	0.214241	hyper	sig	chr7_74094664
chr8	42123905	42123905	+	4.913E-10	4.91378E-09	-0.20159	hypo	sig	chr8_42123905
chr7	1.51E+08	151433393	+	4.919E-10	4.91901E-09	-0.23428	hypo	sig	chr7_151433393
chr19	19211718	19211718	+	4.933E-10	4.93294E-09	0.269386	hyper	sig	chr19_19211718
chr15	89647923	89647923	+	4.964E-10	4.96159E-09	-0.22445	hypo	sig	chr15_89647923
chr10	1.34E+08	133649084	+	4.981E-10	4.9779E-09	0.213357	hyper	sig	chr10_133649084
chr6	1.59E+08	159131408	+	4.986E-10	4.9826E-09	-0.20117	hypo	sig	chr6_159131408
chr3	26622068	26622068	+	4.988E-10	4.98522E-09	0.224208	hyper	sig	chr3_26622068
chr19	41090218	41090218	+	4.994E-10	4.99025E-09	0.201798	hyper	sig	chr19_41090218
chr10	42551937	42551937	+	5.019E-10	5.01428E-09	-0.21609	hypo	sig	chr10_42551937
chr7	87288843	87288843	+	5.021E-10	5.01676E-09	-0.21448	hypo	sig	chr7_87288843
chr11	1.34E+08	134404869	+	5.026E-10	5.0217E-09	0.214934	hyper	sig	chr11_134404869
chr12	1.19E+08	118589786	+	5.048E-10	5.04276E-09	-0.2336	hypo	sig	chr12_118589786
chr2	1.13E+08	113291464	+	5.048E-10	5.04276E-09	0.211648	hyper	sig	chr2_113291464
chr19	55118892	55118892	+	5.05E-10	5.04401E-09	0.232333	hyper	sig	chr19_55118892
chr1	2584210	2584210	+	5.058E-10	5.05125E-09	-0.21612	hypo	sig	chr1_2584210
chr10	90857239	90857239	+	5.059E-10	5.05212E-09	0.231537	hyper	sig	chr10_90857239
chr7	54701183	54701183	+	5.064E-10	5.05757E-09	-0.21932	hypo	sig	chr7_54701183
chr6	1.13E+08	113223798	+	5.074E-10	5.06725E-09	-0.20574	hypo	sig	chr6_113223798
chr16	49530459	49530459	+	5.078E-10	5.07074E-09	-0.24043	hypo	sig	chr16_49530459
chr19	35350678	35350678	+	5.128E-10	5.11776E-09	-0.21096	hypo	sig	chr19_35350678
chr3	1.43E+08	143178663	+	5.142E-10	5.1311E-09	-0.24749	hypo	sig	chr3_143178663
chr16	11676197	11676197	+	5.154E-10	5.14283E-09	-0.23841	hypo	sig	chr16_11676197
chr5	37834897	37834897	+	5.206E-10	5.19214E-09	0.219067	hyper	sig	chr5_37834897
chr3	1.82E+08	181726343	+	5.206E-10	5.19237E-09	0.253262	hyper	sig	chr3_181726343
chr3	9136502	9136502	+	5.228E-10	5.21354E-09	0.202759	hyper	sig	chr3_9136502
chr19	52536041	52536041	+	5.232E-10	5.21734E-09	0.213545	hyper	sig	chr19_52536041
chr1	1.48E+08	147902739	+	5.236E-10	5.22079E-09	-0.29806	hypo	sig	chr1_147902739
chr2	1.56E+08	156320823	+	5.238E-10	5.22348E-09	0.212596	hyper	sig	chr2_156320823
chr17	7740780	7740780	+	5.239E-10	5.22396E-09	-0.23347	hypo	sig	chr17_7740780
chr11	1.26E+08	125788143	+	5.261E-10	5.24512E-09	-0.21617	hypo	sig	chr11_125788143
chr5	1406328	1406328	+	5.276E-10	5.25953E-09	-0.21294	hypo	sig	chr5_1406328
chr6	1.59E+08	159232438	+	5.307E-10	5.28884E-09	-0.23426	hypo	sig	chr6_159232438
chr12	62191798	62191798	+	5.308E-10	5.28992E-09	0.254488	hyper	sig	chr12_62191798
chr5	1879440	1879440	+	5.313E-10	5.29498E-09	0.220478	hyper	sig	chr5_1879440
chr5	64690378	64690378	+	5.328E-10	5.3091E-09	0.250845	hyper	sig	chr5_64690378
chr13	18299125	18299125	+	5.329E-10	5.3097E-09	-0.20927	hypo	sig	chr13_18299125
chr22	20323074	20323074	+	5.332E-10	5.31314E-09	-0.22483	hypo	sig	chr22_20323074
chr8	72251479	72251479	+	5.341E-10	5.32119E-09	0.230346	hyper	sig	chr8_72251479
chr3	48269042	48269042	+	5.344E-10	5.3243E-09	-0.21488	hypo	sig	chr3_48269042
chr11	45682618	45682618	+	5.402E-10	5.37821E-09	-0.21206	hypo	sig	chr11_45682618
chr17	48581657	48581657	+	5.407E-10	5.38384E-09	-0.21888	hypo	sig	chr17_48581657
chr6	6614152	6614152	+	5.415E-10	5.39123E-09	-0.21725	hypo	sig	chr6_6614152
chr22	16601158	16601158	+	5.447E-10	5.42121E-09	0.202186	hyper	sig	chr22_16601158
chr2	2.28E+08	228181998	+	5.449E-10	5.42321E-09	0.2414	hyper	sig	chr2_228181998
chr19	40387326	40387326	+	5.458E-10	5.43216E-09	-0.2568	hypo	sig	chr19_40387326
chr15	78348194	78348194	+	5.46E-10	5.43424E-09	-0.28698	hypo	sig	chr15_78348194
chr19	10120968	10120968	+	5.48E-10	5.4536E-09	-0.22317	hypo	sig	chr19_10120968
chr3	65356553	65356553	+	5.487E-10	5.45959E-09	0.238354	hyper	sig	chr3_65356553

chr19	48746827	48746827	+	5.488E-10	5.4612E-09	0.203996	hyper	sig	chr19_48746827
chr7	1.5E+08	149714170	+	5.509E-10	5.48078E-09	0.222293	hyper	sig	chr7_149714170
chr17	17523112	17523112	+	5.51E-10	5.48263E-09	-0.2134	hypo	sig	chr17_17523112
chr13	1.14E+08	114005326	+	5.522E-10	5.49365E-09	-0.21663	hypo	sig	chr13_114005326
chr9	96027776	96027776	+	5.543E-10	5.51293E-09	0.23268	hyper	sig	chr9_96027776
chr22	16601019	16601019	+	5.559E-10	5.52839E-09	0.237087	hyper	sig	chr22_16601019
chr19	4566464	4566464	+	5.564E-10	5.533E-09	-0.23136	hypo	sig	chr19_4566464
chr5	1.35E+08	135494153	+	5.577E-10	5.54479E-09	-0.20314	hypo	sig	chr5_135494153
chr19	14085758	14085758	+	5.593E-10	5.55997E-09	0.205926	hyper	sig	chr19_14085758
chr11	20599168	20599168	+	5.597E-10	5.56436E-09	0.239082	hyper	sig	chr11_20599168
chr18	8718667	8718667	+	5.599E-10	5.56582E-09	-0.27392	hypo	sig	chr18_8718667
chr13	21106421	21106421	+	5.601E-10	5.56775E-09	-0.2263	hypo	sig	chr13_21106421
chr10	13892225	13892225	+	5.615E-10	5.58112E-09	0.201783	hyper	sig	chr10_13892225
chr6	1.7E+08	169832131	+	5.615E-10	5.58112E-09	0.254215	hyper	sig	chr6_169832131
chr6	1.08E+08	108174181	+	5.632E-10	5.59694E-09	0.208148	hyper	sig	chr6_108174181
chr1	21817040	21817040	+	5.633E-10	5.59856E-09	-0.26702	hypo	sig	chr1_21817040
chr1	1.5E+08	149913641	+	5.663E-10	5.62698E-09	-0.27996	hypo	sig	chr1_149913641
chr3	1.42E+08	141797744	+	5.674E-10	5.63789E-09	0.209732	hyper	sig	chr3_141797744
chr2	1.3E+08	130230417	+	5.683E-10	5.64577E-09	-0.20548	hypo	sig	chr2_130230417
chr5	143026	143026	+	5.686E-10	5.64899E-09	-0.20093	hypo	sig	chr5_143026
chr11	62984883	62984883	+	5.694E-10	5.656E-09	-0.24411	hypo	sig	chr11_62984883
chr1	9371567	9371567	+	5.719E-10	5.67996E-09	0.20842	hyper	sig	chr1_9371567
chr20	37902559	37902559	+	5.756E-10	5.71425E-09	0.207924	hyper	sig	chr20_37902559
chr5	1.4E+08	139708731	+	5.756E-10	5.71476E-09	-0.2545	hypo	sig	chr5_139708731
chr6	29975698	29975698	+	5.778E-10	5.7361E-09	0.213554	hyper	sig	chr6_29975698
chr15	81134006	81134006	+	5.782E-10	5.73944E-09	0.273401	hyper	sig	chr15_81134006
chr4	48909959	48909959	+	5.795E-10	5.75212E-09	-0.30574	hypo	sig	chr4_48909959
chr1	17149292	17149292	+	5.801E-10	5.75741E-09	0.262732	hyper	sig	chr1_17149292
chr12	24839322	24839322	+	5.804E-10	5.76009E-09	0.204155	hyper	sig	chr12_24839322
chr2	1.04E+08	104417573	+	5.809E-10	5.76507E-09	-0.22005	hypo	sig	chr2_104417573
chr6	29975703	29975703	+	5.825E-10	5.78079E-09	0.214388	hyper	sig	chr6_29975703
chr2	6494338	6494338	+	5.834E-10	5.78924E-09	-0.23008	hypo	sig	chr2_6494338
chr9	1.24E+08	124448596	+	5.861E-10	5.81478E-09	-0.22992	hypo	sig	chr9_124448596
chr13	1.08E+08	108494971	+	5.869E-10	5.82242E-09	0.224115	hyper	sig	chr13_108494971
chr15	36880799	36880799	+	5.871E-10	5.82409E-09	0.221356	hyper	sig	chr15_36880799
chr3	98594196	98594196	+	5.912E-10	5.86387E-09	-0.26589	hypo	sig	chr3_98594196
chr15	47184094	47184094	+	5.913E-10	5.86393E-09	0.205654	hyper	sig	chr15_47184094
chr1	1.21E+08	121096207	+	5.922E-10	5.87318E-09	0.228413	hyper	sig	chr1_121096207
chr21	37920476	37920476	+	5.943E-10	5.89295E-09	-0.22399	hypo	sig	chr21_37920476
chr19	4054247	4054247	+	5.95E-10	5.89907E-09	-0.20005	hypo	sig	chr19_4054247
chr3	1.72E+08	172450075	+	5.951E-10	5.90009E-09	0.220578	hyper	sig	chr3_172450075
chr19	57614778	57614778	+	5.964E-10	5.91276E-09	0.266544	hyper	sig	chr19_57614778
chr19	52453698	52453698	+	5.989E-10	5.93689E-09	0.258246	hyper	sig	chr19_52453698
chr2	98346455	98346455	+	6.032E-10	5.97802E-09	0.219957	hyper	sig	chr2_98346455
chr19	45385595	45385595	+	6.038E-10	5.98413E-09	0.21177	hyper	sig	chr19_45385595
chr13	99926446	99926446	+	6.061E-10	6.00606E-09	-0.20985	hypo	sig	chr13_99926446
chr16	89248291	89248291	+	6.069E-10	6.01311E-09	0.232717	hyper	sig	chr16_89248291
chr17	40796081	40796081	+	6.082E-10	6.0251E-09	-0.22458	hypo	sig	chr17_40796081
chr19	6113934	6113934	+	6.083E-10	6.0264E-09	-0.27116	hypo	sig	chr19_6113934
chr21	44558815	44558815	+	6.097E-10	6.03956E-09	-0.21377	hypo	sig	chr21_44558815
chr1	2.03E+08	203055213	+	6.109E-10	6.05098E-09	-0.24516	hypo	sig	chr1_203055213
chr7	1.57E+08	157470718	+	6.156E-10	6.09469E-09	-0.22031	hypo	sig	chr7_157470718
chr16	86740165	86740165	+	6.175E-10	6.11281E-09	-0.22923	hypo	sig	chr16_86740165
chr14	30875851	30875851	+	6.184E-10	6.12134E-09	0.208966	hyper	sig	chr14_30875851
chr7	98614421	98614421	+	6.191E-10	6.12751E-09	-0.21837	hypo	sig	chr7_98614421
chr19	48444443	48444443	+	6.198E-10	6.13462E-09	0.226144	hyper	sig	chr19_48444443

chr8	1.41E+08	140588080	+	6.222E-10	6.15716E-09	-0.22287	hypo	sig	chr8_140588080
chr1	38484425	38484425	+	6.248E-10	6.18106E-09	-0.20391	hypo	sig	chr1_38484425
chr20	46011739	46011739	+	6.264E-10	6.19718E-09	0.209212	hyper	sig	chr20_46011739
chr7	119251	119251	+	6.272E-10	6.2046E-09	-0.2101	hypo	sig	chr7_119251
chr1	1.57E+08	156642579	+	6.293E-10	6.22469E-09	0.213459	hyper	sig	chr1_156642579
chr11	1.34E+08	134277616	+	6.299E-10	6.22968E-09	0.281889	hyper	sig	chr11_134277616
chr2	42102363	42102363	+	6.299E-10	6.22968E-09	0.223338	hyper	sig	chr2_42102363
chr9	91362337	91362337	+	6.317E-10	6.24726E-09	-0.21514	hypo	sig	chr9_91362337
chr20	46210339	46210339	+	6.318E-10	6.24783E-09	0.216867	hyper	sig	chr20_46210339
chr19	51387956	51387956	+	6.319E-10	6.2488E-09	-0.20377	hypo	sig	chr19_51387956
chr3	1.51E+08	150944910	+	6.321E-10	6.25053E-09	-0.21199	hypo	sig	chr3_150944910
chr7	1.49E+08	149066215	+	6.331E-10	6.25975E-09	-0.25808	hypo	sig	chr7_149066215
chr1	44826500	44826500	+	6.34E-10	6.26767E-09	-0.22226	hypo	sig	chr1_44826500
chr15	25799178	25799178	+	6.345E-10	6.27314E-09	-0.21769	hypo	sig	chr15_25799178
chr7	48454315	48454315	+	6.354E-10	6.28111E-09	-0.30369	hypo	sig	chr7_48454315
chr3	10329956	10329956	+	6.358E-10	6.285E-09	-0.20324	hypo	sig	chr3_10329956
chr1	1.55E+08	154502739	+	6.377E-10	6.3034E-09	0.229184	hyper	sig	chr1_154502739
chr19	3290313	3290313	+	6.423E-10	6.34642E-09	-0.20328	hypo	sig	chr19_3290313
chr5	1.79E+08	178941421	+	6.468E-10	6.38912E-09	0.229438	hyper	sig	chr5_178941421
chr11	1.25E+08	125494874	+	6.487E-10	6.40688E-09	0.237478	hyper	sig	chr11_125494874
chr19	28727825	28727825	+	6.491E-10	6.41132E-09	0.213557	hyper	sig	chr19_28727825
chr7	8435615	8435615	+	6.516E-10	6.4354E-09	0.208739	hyper	sig	chr7_8435615
chr11	1785984	1785984	+	6.525E-10	6.4438E-09	-0.20574	hypo	sig	chr11_1785984
chr8	23714146	23714146	+	6.53E-10	6.4482E-09	0.206848	hyper	sig	chr8_23714146
chr19	2241178	2241178	+	6.53E-10	6.4489E-09	-0.21038	hypo	sig	chr19_2241178
chr11	20671360	20671360	+	6.534E-10	6.45216E-09	0.214146	hyper	sig	chr11_20671360
chr20	35279039	35279039	+	6.536E-10	6.45368E-09	-0.21059	hypo	sig	chr20_35279039
chr11	89777130	89777130	+	6.545E-10	6.4622E-09	-0.22399	hypo	sig	chr11_89777130
chr11	32428454	32428454	+	6.546E-10	6.46368E-09	0.237943	hyper	sig	chr11_32428454
chr8	30532858	30532858	+	6.551E-10	6.46753E-09	-0.21195	hypo	sig	chr8_30532858
chr11	1.2E+08	119604252	+	6.564E-10	6.48018E-09	-0.2404	hypo	sig	chr11_119604252
chr17	45364990	45364990	+	6.582E-10	6.49722E-09	-0.22697	hypo	sig	chr17_45364990
chr4	1524582	1524582	+	6.584E-10	6.49925E-09	-0.20582	hypo	sig	chr4_1524582
chr19	42040537	42040537	+	6.59E-10	6.50505E-09	-0.20531	hypo	sig	chr19_42040537
chr19	18344780	18344780	+	6.591E-10	6.50609E-09	0.223848	hyper	sig	chr19_18344780
chr14	76131539	76131539	+	6.593E-10	6.50783E-09	0.227247	hyper	sig	chr14_76131539
chr9	1.24E+08	124015695	+	6.607E-10	6.52079E-09	0.206467	hyper	sig	chr9_124015695
chr7	1.58E+08	157528049	+	6.621E-10	6.53479E-09	-0.22124	hypo	sig	chr7_157528049
chr14	52069722	52069722	+	6.625E-10	6.53786E-09	0.239568	hyper	sig	chr14_52069722
chr17	78903585	78903585	+	6.626E-10	6.53896E-09	-0.21443	hypo	sig	chr17_78903585
chr12	62191488	62191488	+	6.647E-10	6.55857E-09	0.215128	hyper	sig	chr12_62191488
chr5	1.46E+08	146337664	+	6.682E-10	6.59167E-09	0.220316	hyper	sig	chr5_146337664
chr21	45391436	45391436	+	6.689E-10	6.59831E-09	-0.21663	hypo	sig	chr21_45391436
chr4	1.47E+08	146633110	+	6.698E-10	6.60705E-09	0.258242	hyper	sig	chr4_146633110
chr3	1.29E+08	129045994	+	6.704E-10	6.61227E-09	0.202974	hyper	sig	chr3_129045994
chr21	44666715	44666715	+	6.716E-10	6.62343E-09	-0.20926	hypo	sig	chr21_44666715
chr5	63961763	63961763	+	6.721E-10	6.62789E-09	0.221156	hyper	sig	chr5_63961763
chr10	1.34E+08	133623007	+	6.729E-10	6.63566E-09	0.209448	hyper	sig	chr10_133623007
chr3	42264957	42264957	+	6.738E-10	6.64461E-09	0.241562	hyper	sig	chr3_42264957
chr1	1.81E+08	181318894	+	6.764E-10	6.66841E-09	0.213429	hyper	sig	chr1_181318894
chr7	1.53E+08	152922644	+	6.772E-10	6.67582E-09	-0.23773	hypo	sig	chr7_152922644
chr2	1.08E+08	107986471	+	6.774E-10	6.67788E-09	0.25674	hyper	sig	chr2_107986471
chr15	92393165	92393165	+	6.777E-10	6.68066E-09	0.218054	hyper	sig	chr15_92393165
chr1	26409393	26409393	+	6.795E-10	6.69737E-09	0.222655	hyper	sig	chr1_26409393
chr19	42698031	42698031	+	6.81E-10	6.71235E-09	0.226936	hyper	sig	chr19_42698031
chr7	1.54E+08	153749215	+	6.824E-10	6.72518E-09	0.229955	hyper	sig	chr7_153749215

chr19	19549841	19549841	+	6.852E-10	6.75131E-09	-0.28101	hypo	sig	chr19_19549841
chr9	92098106	92098106	+	6.861E-10	6.76016E-09	-0.2915	hypo	sig	chr9_92098106
chr6	72182386	72182386	+	6.893E-10	6.79093E-09	0.265077	hyper	sig	chr6_72182386
chr1	2.28E+08	228426318	+	6.934E-10	6.82912E-09	-0.20752	hypo	sig	chr1_228426318
chr16	46573763	46573763	+	7.002E-10	6.89183E-09	-0.22072	hypo	sig	chr16_46573763
chr19	13014290	13014290	+	7.027E-10	6.91553E-09	0.249062	hyper	sig	chr19_13014290
chr1	35577800	35577800	+	7.031E-10	6.91931E-09	0.201935	hyper	sig	chr1_35577800
chr15	83108124	83108124	+	7.033E-10	6.92182E-09	0.205127	hyper	sig	chr15_83108124
chr9	1.22E+08	122124661	+	7.044E-10	6.93119E-09	-0.20688	hypo	sig	chr9_122124661
chr19	2516998	2516998	+	7.073E-10	6.95861E-09	-0.2127	hypo	sig	chr19_2516998
chr22	22508155	22508155	+	7.08E-10	6.96538E-09	0.222194	hyper	sig	chr22_22508155
chr1	2E+08	200212074	+	7.122E-10	7.00464E-09	-0.23115	hypo	sig	chr1_200212074
chr1	1.57E+08	156919358	+	7.13E-10	7.01162E-09	-0.20317	hypo	sig	chr1_156919358
chr5	80300500	80300500	+	7.139E-10	7.02018E-09	-0.20951	hypo	sig	chr5_80300500
chr13	91175073	91175073	+	7.144E-10	7.02511E-09	0.24739	hyper	sig	chr13_91175073
chr12	12927367	12927367	+	7.15E-10	7.03046E-09	-0.20771	hypo	sig	chr12_12927367
chr12	1.21E+08	121092849	+	7.172E-10	7.05104E-09	0.280386	hyper	sig	chr12_121092849
chr19	2517030	2517030	+	7.196E-10	7.07407E-09	-0.20312	hypo	sig	chr19_2517030
chr2	1.35E+08	134717880	+	7.196E-10	7.0747E-09	0.214244	hyper	sig	chr2_134717880
chr3	1.84E+08	184491515	+	7.208E-10	7.08596E-09	0.222129	hyper	sig	chr3_184491515
chr10	1.27E+08	127194981	+	7.217E-10	7.09396E-09	0.224115	hyper	sig	chr10_127194981
chr4	41873453	41873453	+	7.218E-10	7.09476E-09	0.244829	hyper	sig	chr4_41873453
chr12	1.32E+08	132441626	+	7.225E-10	7.10189E-09	-0.20057	hypo	sig	chr12_132441626
chr13	22926215	22926215	+	7.273E-10	7.14614E-09	0.22181	hyper	sig	chr13_22926215
chr7	51803916	51803916	+	7.282E-10	7.15436E-09	-0.2448	hypo	sig	chr7_51803916
chr20	6054164	6054164	+	7.289E-10	7.16092E-09	-0.22183	hypo	sig	chr20_6054164
chr19	55363483	55363483	+	7.294E-10	7.16528E-09	-0.20327	hypo	sig	chr19_55363483
chr14	50007294	50007294	+	7.376E-10	7.24322E-09	-0.20926	hypo	sig	chr14_50007294
chr7	1.01E+08	101094672	+	7.44E-10	7.30311E-09	-0.23831	hypo	sig	chr7_101094672
chr5	1.58E+08	157574697	+	7.447E-10	7.30992E-09	0.21453	hyper	sig	chr5_157574697
chr3	68931321	68931321	+	7.449E-10	7.31131E-09	0.215078	hyper	sig	chr3_68931321
chr7	50468519	50468519	+	7.457E-10	7.31912E-09	-0.21222	hypo	sig	chr7_50468519
chr21	46661330	46661330	+	7.461E-10	7.32269E-09	0.206345	hyper	sig	chr21_46661330
chr10	46578373	46578373	+	7.48E-10	7.34079E-09	0.215904	hyper	sig	chr10_46578373
chr18	77250950	77250950	+	7.482E-10	7.34245E-09	0.241381	hyper	sig	chr18_77250950
chr15	92393148	92393148	+	7.489E-10	7.34912E-09	0.209761	hyper	sig	chr15_92393148
chr19	2273020	2273020	+	7.536E-10	7.3935E-09	-0.22623	hypo	sig	chr19_2273020
chr11	20670277	20670277	+	7.56E-10	7.41591E-09	0.259879	hyper	sig	chr11_20670277
chr18	48945042	48945042	+	7.565E-10	7.4206E-09	-0.22929	hypo	sig	chr18_48945042
chr10	7575603	7575603	+	7.594E-10	7.44786E-09	-0.20895	hypo	sig	chr10_7575603
chr2	74148394	74148394	+	7.598E-10	7.45107E-09	0.203841	hyper	sig	chr2_74148394
chr16	54932790	54932790	+	7.603E-10	7.45613E-09	0.229067	hyper	sig	chr16_54932790
chr2	11481273	11481273	+	7.613E-10	7.46543E-09	-0.21085	hypo	sig	chr2_11481273
chr16	766573	766573	+	7.614E-10	7.46626E-09	-0.20356	hypo	sig	chr16_766573
chr19	45232087	45232087	+	7.645E-10	7.49523E-09	-0.24402	hypo	sig	chr19_45232087
chr7	45086015	45086015	+	7.67E-10	7.51864E-09	-0.24824	hypo	sig	chr7_45086015
chr17	78475173	78475173	+	7.726E-10	7.57074E-09	-0.20008	hypo	sig	chr17_78475173
chr1	17149534	17149534	+	7.731E-10	7.57617E-09	0.21444	hyper	sig	chr1_17149534
chr10	1.33E+08	132591876	+	7.738E-10	7.58232E-09	-0.20026	hypo	sig	chr10_132591876
chr7	1.4E+08	139523265	+	7.741E-10	7.58492E-09	0.213844	hyper	sig	chr7_139523265
chr12	30794854	30794854	+	7.743E-10	7.58665E-09	-0.22295	hypo	sig	chr12_30794854
chr19	13286171	13286171	+	7.783E-10	7.62418E-09	-0.22588	hypo	sig	chr19_13286171
chr5	75048613	75048613	+	7.844E-10	7.68179E-09	0.200598	hyper	sig	chr5_75048613
chr3	1.47E+08	147397806	+	7.855E-10	7.69218E-09	0.21239	hyper	sig	chr3_147397806
chr8	48466973	48466973	+	7.871E-10	7.70767E-09	-0.23689	hypo	sig	chr8_48466973
chr9	1.35E+08	135262350	+	7.883E-10	7.71845E-09	-0.20718	hypo	sig	chr9_135262350

chr10	15718948	15718948	+	7.893E-10	7.72814E-09	0.221733	hyper	sig	chr10_15718948
chr1	1.52E+08	151838359	+	7.911E-10	7.74423E-09	0.231917	hyper	sig	chr1_151838359
chr19	4566412	4566412	+	7.917E-10	7.75024E-09	-0.21628	hypo	sig	chr19_4566412
chr16	63617588	63617588	+	7.928E-10	7.75953E-09	0.246889	hyper	sig	chr16_63617588
chr7	35454993	35454993	+	7.938E-10	7.76912E-09	0.257707	hyper	sig	chr7_35454993
chr6	1.68E+08	168150581	+	7.999E-10	7.82686E-09	-0.21155	hypo	sig	chr6_168150581
chr19	53942718	53942718	+	8.003E-10	7.83066E-09	0.31282	hyper	sig	chr19_53942718
chr13	1.11E+08	110812718	+	8.004E-10	7.83163E-09	0.248252	hyper	sig	chr13_110812718
chr7	22488414	22488414	+	8.021E-10	7.8467E-09	-0.22597	hypo	sig	chr7_22488414
chr19	48303998	48303998	+	8.123E-10	7.94177E-09	-0.22112	hypo	sig	chr19_48303998
chr1	17149315	17149315	+	8.125E-10	7.94285E-09	0.240153	hyper	sig	chr1_17149315
chr2	1.19E+08	119154614	+	8.125E-10	7.94331E-09	-0.22607	hypo	sig	chr2_119154614
chr1	2.1E+08	210311966	+	8.131E-10	7.94898E-09	-0.20728	hypo	sig	chr1_210311966
chr8	19602515	19602515	+	8.167E-10	7.98186E-09	0.20032	hyper	sig	chr8_19602515
chr6	12749756	12749756	+	8.176E-10	7.98996E-09	0.215576	hyper	sig	chr6_12749756
chr3	1.29E+08	128993299	+	8.195E-10	8.00807E-09	0.206182	hyper	sig	chr3_128993299
chr6	1.26E+08	125644519	+	8.23E-10	8.041E-09	-0.21308	hypo	sig	chr6_125644519
chr3	1.2E+08	120450956	+	8.254E-10	8.06277E-09	0.20403	hyper	sig	chr3_120450956
chr2	1.72E+08	172196941	+	8.267E-10	8.07453E-09	-0.21226	hypo	sig	chr2_172196941
chr15	79562549	79562549	+	8.276E-10	8.08334E-09	0.21573	hyper	sig	chr15_79562549
chr18	59969851	59969851	+	8.288E-10	8.09417E-09	0.249539	hyper	sig	chr18_59969851
chr2	30230909	30230909	+	8.303E-10	8.10773E-09	0.22311	hyper	sig	chr2_30230909
chr7	1.57E+08	157425867	+	8.309E-10	8.11349E-09	-0.20625	hypo	sig	chr7_157425867
chr12	54473758	54473758	+	8.311E-10	8.11527E-09	-0.20894	hypo	sig	chr12_54473758
chr3	8983994	8983994	+	8.315E-10	8.11884E-09	-0.24458	hypo	sig	chr3_8983994
chr7	1318483	1318483	+	8.321E-10	8.1242E-09	-0.21411	hypo	sig	chr7_1318483
chr7	32431780	32431780	+	8.355E-10	8.15611E-09	-0.25924	hypo	sig	chr7_32431780
chr12	24902695	24902695	+	8.366E-10	8.16694E-09	0.233172	hyper	sig	chr12_24902695
chr21	44368046	44368046	+	8.411E-10	8.208E-09	-0.23597	hypo	sig	chr21_44368046
chr1	1450770	1450770	+	8.489E-10	8.28068E-09	-0.23338	hypo	sig	chr1_1450770
chr14	94861555	94861555	+	8.496E-10	8.28753E-09	-0.23079	hypo	sig	chr14_94861555
chr7	55739604	55739604	+	8.512E-10	8.30224E-09	-0.22645	hypo	sig	chr7_55739604
chr2	27309919	27309919	+	8.548E-10	8.33516E-09	-0.20241	hypo	sig	chr2_27309919
chr4	1.47E+08	146636899	+	8.55E-10	8.3372E-09	0.215445	hyper	sig	chr4_146636899
chr6	41503266	41503266	+	8.56E-10	8.34656E-09	-0.23476	hypo	sig	chr6_41503266
chr10	93497144	93497144	+	8.605E-10	8.38947E-09	-0.21018	hypo	sig	chr10_93497144
chr5	170017	170017	+	8.618E-10	8.40137E-09	-0.2027	hypo	sig	chr5_170017
chr11	4212236	4212236	+	8.62E-10	8.40371E-09	0.234068	hyper	sig	chr11_4212236
chr17	19978390	19978390	+	8.624E-10	8.40666E-09	0.219728	hyper	sig	chr17_19978390
chr8	1.43E+08	143076916	+	8.64E-10	8.42227E-09	-0.20635	hypo	sig	chr8_143076916
chr6	1.08E+08	108170253	+	8.669E-10	8.44842E-09	0.215755	hyper	sig	chr6_108170253
chr16	1926666	1926666	+	8.672E-10	8.45174E-09	0.211981	hyper	sig	chr16_1926666
chr4	41880154	41880154	+	8.729E-10	8.50503E-09	0.285078	hyper	sig	chr4_41880154
chr6	13860447	13860447	+	8.769E-10	8.54326E-09	0.235381	hyper	sig	chr6_13860447
chr8	18082674	18082674	+	8.781E-10	8.55392E-09	-0.22273	hypo	sig	chr8_18082674
chr6	3819603	3819603	+	8.807E-10	8.57851E-09	-0.22214	hypo	sig	chr6_3819603
chr12	52233062	52233062	+	8.817E-10	8.58719E-09	0.22199	hyper	sig	chr12_52233062
chr5	3599488	3599488	+	8.875E-10	8.6411E-09	0.211565	hyper	sig	chr5_3599488
chr10	1.03E+08	102657291	+	8.896E-10	8.66093E-09	-0.20254	hypo	sig	chr10_102657291
chr6	1.7E+08	170232612	+	8.91E-10	8.67455E-09	-0.20331	hypo	sig	chr6_170232612
chr18	21243375	21243375	+	8.919E-10	8.68249E-09	0.209577	hyper	sig	chr18_21243375
chr20	9838706	9838706	+	8.933E-10	8.69566E-09	0.263173	hyper	sig	chr20_9838706
chr8	54454230	54454230	+	8.956E-10	8.71813E-09	0.210972	hyper	sig	chr8_54454230
chr19	36604564	36604564	+	8.958E-10	8.71952E-09	0.212011	hyper	sig	chr19_36604564
chr17	49964559	49964559	+	8.971E-10	8.73152E-09	0.208977	hyper	sig	chr17_49964559
chr17	43896719	43896719	+	9E-10	8.7586E-09	-0.26017	hypo	sig	chr17_43896719

chr3	1.27E+08	126703465	+	9.023E-10	8.77996E-09	-0.22191	hypo	sig	chr3_126703465
chr5	1034213	1034213	+	9.053E-10	8.80817E-09	-0.20008	hypo	sig	chr5_1034213
chr1	1.44E+08	143698952	+	9.059E-10	8.81379E-09	0.245094	hyper	sig	chr1_143698952
chr12	1.32E+08	132380267	+	9.063E-10	8.81723E-09	-0.20948	hypo	sig	chr12_132380267
chr11	1.29E+08	128689349	+	9.132E-10	8.88172E-09	0.230575	hyper	sig	chr11_128689349
chr19	1047526	1047526	+	9.146E-10	8.89431E-09	-0.22574	hypo	sig	chr19_1047526
chr11	1.13E+08	113388144	+	9.152E-10	8.89973E-09	-0.20237	hypo	sig	chr11_113388144
chr1	2.1E+08	209937653	+	9.206E-10	8.95065E-09	0.238458	hyper	sig	chr1_209937653
chr11	72673991	72673991	+	9.219E-10	8.9629E-09	0.201703	hyper	sig	chr11_72673991
chr20	9838718	9838718	+	9.243E-10	8.98503E-09	0.242457	hyper	sig	chr20_9838718
chr3	1.72E+08	172448077	+	9.245E-10	8.98697E-09	0.200036	hyper	sig	chr3_172448077
chr19	51601178	51601178	+	9.294E-10	9.03233E-09	0.2168	hyper	sig	chr19_51601178
chr19	34577974	34577974	+	9.297E-10	9.03474E-09	0.222222	hyper	sig	chr19_34577974
chr16	1195593	1195593	+	9.314E-10	9.0505E-09	-0.22169	hypo	sig	chr16_1195593
chr4	41873472	41873472	+	9.325E-10	9.06137E-09	0.24037	hyper	sig	chr4_41873472
chr1	1.5E+08	150282727	+	9.356E-10	9.09073E-09	0.228765	hyper	sig	chr1_150282727
chr7	35451183	35451183	+	9.359E-10	9.09244E-09	-0.25525	hypo	sig	chr7_35451183
chr3	1.72E+08	172448080	+	9.423E-10	9.1511E-09	0.204944	hyper	sig	chr3_172448080
chr7	73424271	73424271	+	9.433E-10	9.16034E-09	0.208217	hyper	sig	chr7_73424271
chr3	1.2E+08	120285440	+	9.53E-10	9.25101E-09	0.214828	hyper	sig	chr3_120285440
chr5	1232571	1232571	+	9.538E-10	9.25802E-09	-0.20342	hypo	sig	chr5_1232571
chr19	48747171	48747171	+	9.559E-10	9.27731E-09	0.215653	hyper	sig	chr19_48747171
chr1	32216015	32216015	+	9.581E-10	9.29744E-09	-0.20676	hypo	sig	chr1_32216015
chr1	1984966	1984966	+	9.613E-10	9.32712E-09	-0.24089	hypo	sig	chr1_1984966
chr8	1.08E+08	108081717	+	9.636E-10	9.34829E-09	0.271374	hyper	sig	chr8_108081717
chr3	1.47E+08	147419785	+	9.64E-10	9.35279E-09	0.226214	hyper	sig	chr3_147419785
chr9	1.36E+08	135788185	+	9.659E-10	9.36908E-09	-0.20021	hypo	sig	chr9_135788185
chr20	45631568	45631568	+	9.713E-10	9.4191E-09	-0.2065	hypo	sig	chr20_45631568
chr19	21677951	21677951	+	9.722E-10	9.42742E-09	0.211629	hyper	sig	chr19_21677951
chr22	45308794	45308794	+	9.776E-10	9.47828E-09	-0.27367	hypo	sig	chr22_45308794
chr17	48968479	48968479	+	9.808E-10	9.5077E-09	-0.22124	hypo	sig	chr17_48968479
chr6	28865546	28865546	+	9.822E-10	9.52135E-09	-0.23075	hypo	sig	chr6_28865546
chr22	43127316	43127316	+	9.846E-10	9.54322E-09	-0.23039	hypo	sig	chr22_43127316
chr3	16183800	16183800	+	9.899E-10	9.59259E-09	-0.23513	hypo	sig	chr3_16183800
chr19	3050753	3050753	+	9.908E-10	9.60065E-09	-0.22566	hypo	sig	chr19_3050753
chr1	2.25E+08	224617940	+	9.913E-10	9.60515E-09	0.206855	hyper	sig	chr1_224617940
chr2	7435319	7435319	+	9.935E-10	9.62557E-09	-0.27409	hypo	sig	chr2_7435319
chr1	1.56E+08	156431536	+	9.969E-10	9.65671E-09	0.223499	hyper	sig	chr1_156431536
chr7	19144185	19144185	+	9.99E-10	9.67625E-09	0.214561	hyper	sig	chr7_19144185
chr13	22926647	22926647	+	1E-09	9.68794E-09	0.227113	hyper	sig	chr13_22926647
chr11	4212278	4212278	+	1.001E-09	9.69218E-09	0.214896	hyper	sig	chr11_4212278
chr4	1.84E+08	184460322	+	1.01E-09	9.77887E-09	0.229456	hyper	sig	chr4_184460322
chr17	78569240	78569240	+	1.012E-09	9.79737E-09	-0.23971	hypo	sig	chr17_78569240
chr2	1.31E+08	130725092	+	1.025E-09	9.91608E-09	-0.24388	hypo	sig	chr2_130725092
chr11	65047809	65047809	+	1.028E-09	9.94227E-09	0.220849	hyper	sig	chr11_65047809
chr9	69174603	69174603	+	1.03E-09	9.96226E-09	0.221255	hyper	sig	chr9_69174603
chr6	1.37E+08	137496200	+	1.032E-09	9.982E-09	0.224235	hyper	sig	chr6_137496200
chr17	7740412	7740412	+	1.032E-09	9.98258E-09	-0.22984	hypo	sig	chr17_7740412
chr16	1355234	1355234	+	1.039E-09	1.00521E-08	-0.20846	hypo	sig	chr16_1355234
chr11	1.3E+08	130159010	+	1.04E-09	1.00545E-08	-0.23067	hypo	sig	chr11_130159010
chr2	1.33E+08	132671420	+	1.04E-09	1.00545E-08	-0.20583	hypo	sig	chr2_132671420
chr2	30230892	30230892	+	1.041E-09	1.00689E-08	0.229828	hyper	sig	chr2_30230892
chr15	77641448	77641448	+	1.046E-09	1.01177E-08	-0.20682	hypo	sig	chr15_77641448
chr8	19602513	19602513	+	1.053E-09	1.01757E-08	0.201222	hyper	sig	chr8_19602513
chr20	46709145	46709145	+	1.054E-09	1.01821E-08	-0.26868	hypo	sig	chr20_46709145
chr3	1.72E+08	172450113	+	1.057E-09	1.02127E-08	0.28758	hyper	sig	chr3_172450113

chr8	19602485	19602485	+	1.058E-09	1.02206E-08	0.203845	hyper	sig	chr8_19602485
chr18	52340841	52340841	+	1.062E-09	1.02563E-08	0.265707	hyper	sig	chr18_52340841
chr5	1.78E+08	178162720	+	1.064E-09	1.02753E-08	-0.2236	hypo	sig	chr5_178162720
chr2	1.06E+08	106066267	+	1.067E-09	1.03082E-08	0.245556	hyper	sig	chr2_106066267
chr6	50817592	50817592	+	1.068E-09	1.03129E-08	0.212821	hyper	sig	chr6_50817592
chr19	57727218	57727218	+	1.069E-09	1.03227E-08	0.248955	hyper	sig	chr19_57727218
chr6	1.5E+08	150006502	+	1.07E-09	1.03301E-08	-0.20056	hypo	sig	chr6_150006502
chr8	1.43E+08	143426507	+	1.071E-09	1.03425E-08	0.229917	hyper	sig	chr8_143426507
chr5	1290379	1290379	+	1.076E-09	1.03917E-08	-0.23333	hypo	sig	chr5_1290379
chr7	53035028	53035028	+	1.08E-09	1.04264E-08	-0.22889	hypo	sig	chr7_53035028
chr3	11721838	11721838	+	1.081E-09	1.04371E-08	-0.22569	hypo	sig	chr3_11721838
chr15	77641346	77641346	+	1.085E-09	1.0474E-08	-0.20548	hypo	sig	chr15_77641346
chr11	65048190	65048190	+	1.088E-09	1.04983E-08	0.215267	hyper	sig	chr11_65048190
chr3	26622135	26622135	+	1.089E-09	1.05043E-08	0.222979	hyper	sig	chr3_26622135
chr2	58428970	58428970	+	1.091E-09	1.05298E-08	0.211981	hyper	sig	chr2_58428970
chr6	1.34E+08	133889193	+	1.094E-09	1.05523E-08	0.226925	hyper	sig	chr6_133889193
chr1	75132198	75132198	+	1.096E-09	1.05714E-08	0.221869	hyper	sig	chr1_75132198
chr7	1.29E+08	128697714	+	1.099E-09	1.05954E-08	0.216908	hyper	sig	chr7_128697714
chr20	21505219	21505219	+	1.1E-09	1.06065E-08	0.21205	hyper	sig	chr20_21505219
chr6	1.09E+08	108851211	+	1.103E-09	1.0632E-08	-0.25889	hypo	sig	chr6_108851211
chr9	1.33E+08	132582847	+	1.105E-09	1.06511E-08	0.23977	hyper	sig	chr9_132582847
chr12	1.26E+08	125863818	+	1.106E-09	1.06606E-08	-0.21919	hypo	sig	chr12_125863818
chr17	7740766	7740766	+	1.107E-09	1.06688E-08	-0.22845	hypo	sig	chr17_7740766
chr9	1.37E+08	137138428	+	1.109E-09	1.06941E-08	0.210254	hyper	sig	chr9_137138428
chr1	31771939	31771939	+	1.11E-09	1.07022E-08	0.200933	hyper	sig	chr1_31771939
chr7	73850241	73850241	+	1.112E-09	1.07191E-08	-0.20295	hypo	sig	chr7_73850241
chr16	66975290	66975290	+	1.117E-09	1.07651E-08	-0.21787	hypo	sig	chr16_66975290
chr19	43187872	43187872	+	1.119E-09	1.07823E-08	-0.20905	hypo	sig	chr19_43187872
chr6	12749741	12749741	+	1.12E-09	1.07937E-08	0.213833	hyper	sig	chr6_12749741
chr20	29430982	29430982	+	1.121E-09	1.08009E-08	0.201897	hyper	sig	chr20_29430982
chr6	10384864	10384864	+	1.125E-09	1.08379E-08	0.207796	hyper	sig	chr6_10384864
chr8	11877910	11877910	+	1.14E-09	1.09803E-08	-0.20451	hypo	sig	chr8_11877910
chr2	1.21E+08	121019069	+	1.143E-09	1.10058E-08	-0.21736	hypo	sig	chr2_121019069
chr3	2485026	2485026	+	1.144E-09	1.10145E-08	-0.2051	hypo	sig	chr3_2485026
chr11	60951117	60951117	+	1.144E-09	1.10154E-08	0.207926	hyper	sig	chr11_60951117
chr19	3481921	3481921	+	1.147E-09	1.10378E-08	-0.20928	hypo	sig	chr19_3481921
chr5	10249001	10249001	+	1.151E-09	1.10812E-08	-0.22573	hypo	sig	chr5_10249001
chr2	38536779	38536779	+	1.157E-09	1.11345E-08	-0.22148	hypo	sig	chr2_38536779
chr20	37349715	37349715	+	1.16E-09	1.11609E-08	-0.21583	hypo	sig	chr20_37349715
chr7	1243209	1243209	+	1.161E-09	1.11671E-08	0.210613	hyper	sig	chr7_1243209
chr14	76138696	76138696	+	1.166E-09	1.1216E-08	0.260267	hyper	sig	chr14_76138696
chr2	91443012	91443012	+	1.172E-09	1.12737E-08	0.245623	hyper	sig	chr2_91443012
chr2	2.18E+08	218068531	+	1.173E-09	1.12835E-08	-0.20236	hypo	sig	chr2_218068531
chr19	45815356	45815356	+	1.18E-09	1.13474E-08	0.219752	hyper	sig	chr19_45815356
chr2	2.4E+08	240289249	+	1.186E-09	1.13985E-08	-0.20847	hypo	sig	chr2_240289249
chr7	1.44E+08	143885279	+	1.187E-09	1.14117E-08	0.213073	hyper	sig	chr7_143885279
chr8	64373364	64373364	+	1.194E-09	1.14734E-08	0.202667	hyper	sig	chr8_64373364
chr6	99608940	99608940	+	1.197E-09	1.1501E-08	0.202828	hyper	sig	chr6_99608940
chr19	47049394	47049394	+	1.197E-09	1.15025E-08	-0.21947	hypo	sig	chr19_47049394
chr5	1.59E+08	159104437	+	1.202E-09	1.15463E-08	0.202259	hyper	sig	chr5_159104437
chr22	45500040	45500040	+	1.202E-09	1.15496E-08	-0.2314	hypo	sig	chr22_45500040
chr6	33117643	33117643	+	1.206E-09	1.15825E-08	-0.2038	hypo	sig	chr6_33117643
chr2	2.33E+08	232696913	+	1.207E-09	1.1593E-08	-0.21591	hypo	sig	chr2_232696913
chr17	48593952	48593952	+	1.207E-09	1.15981E-08	-0.20477	hypo	sig	chr17_48593952
chr7	73978601	73978601	+	1.212E-09	1.16393E-08	-0.20331	hypo	sig	chr7_73978601
chr8	1.45E+08	144713720	+	1.213E-09	1.1647E-08	0.262897	hyper	sig	chr8_144713720

chr1	2.26E+08	225677371	+	1.214E-09	1.16577E-08	0.233097	hyper	sig	chr1_225677371
chr16	2849150	2849150	+	1.215E-09	1.16743E-08	-0.24566	hypo	sig	chr16_2849150
chr22	16602923	16602923	+	1.218E-09	1.16938E-08	0.203834	hyper	sig	chr22_16602923
chr20	63044087	63044087	+	1.218E-09	1.16981E-08	-0.20885	hypo	sig	chr20_63044087
chr14	50007337	50007337	+	1.22E-09	1.17203E-08	-0.21472	hypo	sig	chr14_50007337
chr16	14989727	14989727	+	1.237E-09	1.18691E-08	0.211572	hyper	sig	chr16_14989727
chr13	1.12E+08	112040797	+	1.247E-09	1.1964E-08	-0.22714	hypo	sig	chr13_112040797
chr5	1.11E+08	111091656	+	1.263E-09	1.21104E-08	-0.20789	hypo	sig	chr5_111091656
chr12	1.32E+08	132245123	+	1.27E-09	1.21793E-08	-0.20895	hypo	sig	chr12_132245123
chr19	45901452	45901452	+	1.274E-09	1.2213E-08	0.202185	hyper	sig	chr19_45901452
chr6	10883838	10883838	+	1.281E-09	1.22724E-08	0.231663	hyper	sig	chr6_10883838
chr7	1.58E+08	157886167	+	1.283E-09	1.22976E-08	-0.20808	hypo	sig	chr7_157886167
chr17	35745155	35745155	+	1.287E-09	1.23352E-08	-0.22041	hypo	sig	chr17_35745155
chr12	6279846	6279846	+	1.292E-09	1.23801E-08	-0.20549	hypo	sig	chr12_6279846
chr8	1.45E+08	144717821	+	1.294E-09	1.23997E-08	-0.22471	hypo	sig	chr8_144717821
chr15	64844945	64844945	+	1.297E-09	1.24219E-08	0.211312	hyper	sig	chr15_64844945
chr11	20599424	20599424	+	1.301E-09	1.24573E-08	0.200478	hyper	sig	chr11_20599424
chr1	1.8E+08	179812750	+	1.302E-09	1.2468E-08	-0.23047	hypo	sig	chr1_179812750
chr7	29958026	29958026	+	1.307E-09	1.25102E-08	-0.20406	hypo	sig	chr7_29958026
chr5	42953441	42953441	+	1.313E-09	1.25655E-08	0.225869	hyper	sig	chr5_42953441
chr4	9781349	9781349	+	1.318E-09	1.26113E-08	0.262124	hyper	sig	chr4_9781349
chr16	89248274	89248274	+	1.319E-09	1.2627E-08	0.205822	hyper	sig	chr16_89248274
chr19	42698149	42698149	+	1.324E-09	1.26688E-08	0.23654	hyper	sig	chr19_42698149
chr10	70296875	70296875	+	1.327E-09	1.26954E-08	-0.21612	hypo	sig	chr10_70296875
chr7	1.44E+08	143885291	+	1.331E-09	1.27294E-08	0.219749	hyper	sig	chr7_143885291
chr14	71245981	71245981	+	1.333E-09	1.27487E-08	0.206457	hyper	sig	chr14_71245981
chr5	1.59E+08	159104372	+	1.333E-09	1.27488E-08	0.229965	hyper	sig	chr5_159104372
chr2	2.01E+08	200967026	+	1.334E-09	1.27581E-08	-0.22288	hypo	sig	chr2_200967026
chr15	84080704	84080704	+	1.337E-09	1.27849E-08	0.209466	hyper	sig	chr15_84080704
chr8	90791442	90791442	+	1.339E-09	1.28022E-08	0.216608	hyper	sig	chr8_90791442
chr4	55347169	55347169	+	1.341E-09	1.28246E-08	-0.26669	hypo	sig	chr4_55347169
chr7	45092263	45092263	+	1.341E-09	1.28262E-08	-0.20859	hypo	sig	chr7_45092263
chr2	5672349	5672349	+	1.345E-09	1.28576E-08	-0.23409	hypo	sig	chr2_5672349
chr1	16227950	16227950	+	1.346E-09	1.28673E-08	0.203109	hyper	sig	chr1_16227950
chr11	1.34E+08	134277651	+	1.347E-09	1.28742E-08	0.242561	hyper	sig	chr11_134277651
chr3	1.84E+08	184491541	+	1.347E-09	1.28768E-08	0.220832	hyper	sig	chr3_184491541
chr10	22334975	22334975	+	1.352E-09	1.2921E-08	0.218705	hyper	sig	chr10_22334975
chr17	416275	416275	+	1.369E-09	1.30773E-08	-0.20265	hypo	sig	chr17_416275
chr5	1.49E+08	149418141	+	1.374E-09	1.31226E-08	-0.2195	hypo	sig	chr5_149418141
chr1	26220672	26220672	+	1.375E-09	1.31305E-08	-0.20676	hypo	sig	chr1_26220672
chr8	1.28E+08	127793134	+	1.378E-09	1.31646E-08	-0.29838	hypo	sig	chr8_127793134
chr19	2273051	2273051	+	1.379E-09	1.31661E-08	-0.21927	hypo	sig	chr19_2273051
chr7	27252522	27252522	+	1.38E-09	1.31746E-08	-0.27743	hypo	sig	chr7_27252522
chr20	51023461	51023461	+	1.382E-09	1.31946E-08	0.223901	hyper	sig	chr20_51023461
chr18	48974973	48974973	+	1.387E-09	1.3239E-08	-0.20699	hypo	sig	chr18_48974973
chr1	41383474	41383474	+	1.39E-09	1.32698E-08	0.205331	hyper	sig	chr1_41383474
chr12	1.14E+08	114414445	+	1.393E-09	1.32956E-08	0.212692	hyper	sig	chr12_114414445
chr16	31565551	31565551	+	1.394E-09	1.33075E-08	-0.21235	hypo	sig	chr16_31565551
chr16	2818031	2818031	+	1.4E-09	1.33579E-08	-0.20963	hypo	sig	chr16_2818031
chr11	1872126	1872126	+	1.404E-09	1.33978E-08	-0.24297	hypo	sig	chr11_1872126
chr15	84599935	84599935	+	1.405E-09	1.34056E-08	-0.20533	hypo	sig	chr15_84599935
chr4	56520887	56520887	+	1.408E-09	1.34308E-08	-0.21071	hypo	sig	chr4_56520887
chr17	38924145	38924145	+	1.408E-09	1.34341E-08	-0.22908	hypo	sig	chr17_38924145
chr8	1.45E+08	144713729	+	1.427E-09	1.36077E-08	0.248224	hyper	sig	chr8_144713729
chr5	1879384	1879384	+	1.43E-09	1.36281E-08	0.215176	hyper	sig	chr5_1879384
chr5	54520733	54520733	+	1.433E-09	1.36597E-08	0.262602	hyper	sig	chr5_54520733

chr1	1.83E+08	183417139	+	1.445E-09	1.37698E-08	0.220028	hyper	sig	chr1_183417139
chr3	1.61E+08	161165487	+	1.449E-09	1.38033E-08	-0.22957	hypo	sig	chr3_161165487
chr7	1.59E+08	159064339	+	1.457E-09	1.38769E-08	-0.2352	hypo	sig	chr7_159064339
chr5	1.46E+08	146338295	+	1.458E-09	1.38842E-08	0.222717	hyper	sig	chr5_146338295
chr15	1E+08	100373743	+	1.459E-09	1.39001E-08	0.202881	hyper	sig	chr15_100373743
chr1	1.45E+08	145475381	+	1.465E-09	1.39518E-08	0.203833	hyper	sig	chr1_145475381
chr22	30505907	30505907	+	1.466E-09	1.39639E-08	-0.2111	hypo	sig	chr22_30505907
chr19	2576256	2576256	+	1.47E-09	1.39921E-08	-0.20579	hypo	sig	chr19_2576256
chr20	49318238	49318238	+	1.471E-09	1.40068E-08	0.212327	hyper	sig	chr20_49318238
chr19	16088082	16088082	+	1.482E-09	1.41041E-08	-0.21438	hypo	sig	chr19_16088082
chr19	34905263	34905263	+	1.487E-09	1.41509E-08	0.242874	hyper	sig	chr19_34905263
chr6	1.69E+08	169247863	+	1.494E-09	1.42167E-08	-0.31087	hypo	sig	chr6_169247863
chr3	1.7E+08	169666240	+	1.496E-09	1.42304E-08	0.257576	hyper	sig	chr3_169666240
chr5	1.41E+08	141422655	+	1.497E-09	1.42371E-08	0.200054	hyper	sig	chr5_141422655
chr20	51023442	51023442	+	1.497E-09	1.42449E-08	0.214406	hyper	sig	chr20_51023442
chr10	7413374	7413374	+	1.499E-09	1.42549E-08	0.203742	hyper	sig	chr10_7413374
chr22	45310876	45310876	+	1.512E-09	1.43752E-08	0.26219	hyper	sig	chr22_45310876
chr3	38136040	38136040	+	1.516E-09	1.44116E-08	-0.20104	hypo	sig	chr3_38136040
chr5	3599495	3599495	+	1.516E-09	1.44122E-08	0.203341	hyper	sig	chr5_3599495
chr9	1.28E+08	128455279	+	1.518E-09	1.44279E-08	-0.25912	hypo	sig	chr9_128455279
chr17	21737087	21737087	+	1.518E-09	1.44324E-08	-0.20958	hypo	sig	chr17_21737087
chr15	83653525	83653525	+	1.519E-09	1.44402E-08	0.203658	hyper	sig	chr15_83653525
chr19	52536039	52536039	+	1.521E-09	1.44626E-08	0.211893	hyper	sig	chr19_52536039
chr7	124585	124585	+	1.528E-09	1.45252E-08	-0.25894	hypo	sig	chr7_124585
chr9	88783976	88783976	+	1.534E-09	1.45787E-08	-0.21496	hypo	sig	chr9_88783976
chr20	610497	610497	+	1.537E-09	1.46063E-08	0.21668	hyper	sig	chr20_610497
chr13	1.13E+08	113408177	+	1.547E-09	1.46995E-08	-0.21639	hypo	sig	chr13_113408177
chr20	29412149	29412149	+	1.552E-09	1.47422E-08	0.254137	hyper	sig	chr20_29412149
chr17	77954678	77954678	+	1.554E-09	1.47634E-08	-0.21097	hypo	sig	chr17_77954678
chr19	35350740	35350740	+	1.558E-09	1.47921E-08	-0.20005	hypo	sig	chr19_35350740
chr10	99233399	99233399	+	1.558E-09	1.47955E-08	0.210411	hyper	sig	chr10_99233399
chr6	1.51E+08	150864489	+	1.574E-09	1.49431E-08	-0.21511	hypo	sig	chr6_150864489
chr8	57143373	57143373	+	1.597E-09	1.51436E-08	0.24324	hyper	sig	chr8_57143373
chr21	26572731	26572731	+	1.602E-09	1.51967E-08	0.238496	hyper	sig	chr21_26572731
chr4	55157832	55157832	+	1.603E-09	1.5198E-08	0.205229	hyper	sig	chr4_55157832
chr4	1.44E+08	143912012	+	1.612E-09	1.52841E-08	0.227677	hyper	sig	chr4_143912012
chr19	2576239	2576239	+	1.614E-09	1.53001E-08	-0.20132	hypo	sig	chr19_2576239
chr11	2121706	2121706	+	1.623E-09	1.53893E-08	-0.23353	hypo	sig	chr11_2121706
chr2	1.13E+08	113291193	+	1.632E-09	1.54642E-08	0.205747	hyper	sig	chr2_113291193
chr2	74516534	74516534	+	1.632E-09	1.54712E-08	0.202384	hyper	sig	chr2_74516534
chr11	69889930	69889930	+	1.638E-09	1.55173E-08	0.206789	hyper	sig	chr11_69889930
chr15	95327246	95327246	+	1.638E-09	1.55181E-08	0.202584	hyper	sig	chr15_95327246
chr12	65121550	65121550	+	1.638E-09	1.55194E-08	0.251181	hyper	sig	chr12_65121550
chr2	1.37E+08	136765000	+	1.641E-09	1.55454E-08	0.248059	hyper	sig	chr2_136765000
chr9	1.37E+08	136747052	+	1.645E-09	1.55821E-08	-0.21897	hypo	sig	chr9_136747052
chr19	16327038	16327038	+	1.646E-09	1.55929E-08	0.234593	hyper	sig	chr19_16327038
chr7	1.44E+08	144407550	+	1.648E-09	1.56079E-08	-0.2608	hypo	sig	chr7_144407550
chr19	48746809	48746809	+	1.652E-09	1.56503E-08	0.207974	hyper	sig	chr19_48746809
chr20	30812970	30812970	+	1.679E-09	1.58929E-08	-0.23213	hypo	sig	chr20_30812970
chr2	1.13E+08	113499253	+	1.686E-09	1.59586E-08	0.207854	hyper	sig	chr2_113499253
chr4	1.9E+08	190017856	+	1.687E-09	1.59687E-08	0.236539	hyper	sig	chr4_190017856
chr10	8037190	8037190	+	1.692E-09	1.60128E-08	0.21492	hyper	sig	chr10_8037190
chr19	49527802	49527802	+	1.698E-09	1.60612E-08	0.217356	hyper	sig	chr19_49527802
chr11	1.16E+08	116276987	+	1.7E-09	1.60785E-08	-0.20056	hypo	sig	chr11_116276987
chr15	64914974	64914974	+	1.71E-09	1.61732E-08	-0.25099	hypo	sig	chr15_64914974
chr19	731180	731180	+	1.735E-09	1.63959E-08	-0.2247	hypo	sig	chr19_731180

chr5	73436160	73436160	+	1.747E-09	1.65115E-08	0.235703	hyper	sig	chr5_73436160
chr11	89491834	89491834	+	1.754E-09	1.65743E-08	-0.20667	hypo	sig	chr11_89491834
chr15	72315900	72315900	+	1.764E-09	1.66653E-08	-0.23655	hypo	sig	chr15_72315900
chr17	44382945	44382945	+	1.765E-09	1.66707E-08	-0.23561	hypo	sig	chr17_44382945
chr10	1.01E+08	101064271	+	1.766E-09	1.6676E-08	-0.20473	hypo	sig	chr10_101064271
chr16	51154478	51154478	+	1.767E-09	1.66899E-08	0.221309	hyper	sig	chr16_51154478
chr19	53058391	53058391	+	1.768E-09	1.66962E-08	0.28631	hyper	sig	chr19_53058391
chr17	20579769	20579769	+	1.768E-09	1.66967E-08	-0.20976	hypo	sig	chr17_20579769
chr2	821651	821651	+	1.769E-09	1.67091E-08	-0.20751	hypo	sig	chr2_821651
chr9	1.3E+08	129710158	+	1.778E-09	1.67881E-08	-0.21183	hypo	sig	chr9_129710158
chr9	35972147	35972147	+	1.781E-09	1.68114E-08	0.225571	hyper	sig	chr9_35972147
chr5	498314	498314	+	1.783E-09	1.68312E-08	-0.21806	hypo	sig	chr5_498314
chr16	29255229	29255229	+	1.795E-09	1.69381E-08	-0.22881	hypo	sig	chr16_29255229
chr16	11233368	11233368	+	1.796E-09	1.6952E-08	0.216195	hyper	sig	chr16_11233368
chr1	39080864	39080864	+	1.816E-09	1.71259E-08	-0.23542	hypo	sig	chr1_39080864
chr12	6555450	6555450	+	1.824E-09	1.72019E-08	0.210721	hyper	sig	chr12_6555450
chr14	73270467	73270467	+	1.827E-09	1.72315E-08	-0.20674	hypo	sig	chr14_73270467
chr11	1.13E+08	113275060	+	1.827E-09	1.72342E-08	-0.22232	hypo	sig	chr11_113275060
chr13	26046454	26046454	+	1.834E-09	1.72975E-08	-0.21491	hypo	sig	chr13_26046454
chr2	1.05E+08	105404152	+	1.836E-09	1.73105E-08	-0.21081	hypo	sig	chr2_105404152
chr7	25123966	25123966	+	1.843E-09	1.73753E-08	-0.20512	hypo	sig	chr7_25123966
chr11	46913112	46913112	+	1.856E-09	1.74912E-08	-0.27432	hypo	sig	chr11_46913112
chr16	81005741	81005741	+	1.865E-09	1.757E-08	-0.21261	hypo	sig	chr16_81005741
chr12	1.31E+08	130712466	+	1.871E-09	1.76275E-08	-0.20376	hypo	sig	chr12_130712466
chr5	37839281	37839281	+	1.872E-09	1.76392E-08	0.201673	hyper	sig	chr5_37839281
chr20	38729348	38729348	+	1.876E-09	1.76766E-08	0.230409	hyper	sig	chr20_38729348
chr19	4555900	4555900	+	1.885E-09	1.77545E-08	-0.22165	hypo	sig	chr19_4555900
chr16	23184905	23184905	+	1.897E-09	1.78647E-08	-0.22	hypo	sig	chr16_23184905
chr19	42322433	42322433	+	1.903E-09	1.79179E-08	-0.25123	hypo	sig	chr19_42322433
chr4	8618178	8618178	+	1.904E-09	1.79296E-08	-0.20648	hypo	sig	chr4_8618178
chr5	1.42E+08	141513604	+	1.909E-09	1.79713E-08	0.248007	hyper	sig	chr5_141513604
chr10	1.28E+08	127735478	+	1.909E-09	1.79736E-08	0.232971	hyper	sig	chr10_127735478
chr19	55287282	55287282	+	1.918E-09	1.80529E-08	-0.28948	hypo	sig	chr19_55287282
chr7	1.01E+08	101096317	+	1.921E-09	1.80792E-08	-0.27671	hypo	sig	chr7_101096317
chr6	1.61E+08	160679149	+	1.922E-09	1.80859E-08	0.223509	hyper	sig	chr6_160679149
chr1	62194476	62194476	+	1.923E-09	1.80911E-08	-0.21053	hypo	sig	chr1_62194476
chr1	2.25E+08	224618033	+	1.923E-09	1.80915E-08	0.206526	hyper	sig	chr1_224618033
chr5	1.78E+08	178162854	+	1.924E-09	1.81068E-08	-0.21874	hypo	sig	chr5_178162854
chr11	2423009	2423009	+	1.927E-09	1.813E-08	-0.23252	hypo	sig	chr11_2423009
chr14	72961951	72961951	+	1.942E-09	1.82636E-08	0.224552	hyper	sig	chr14_72961951
chr1	1.21E+08	121007162	+	1.953E-09	1.83654E-08	0.24331	hyper	sig	chr1_121007162
chr6	1.69E+08	169430557	+	1.974E-09	1.85528E-08	-0.2259	hypo	sig	chr6_169430557
chr8	1.38E+08	137755352	+	1.98E-09	1.86114E-08	-0.23159	hypo	sig	chr8_137755352
chr7	1.57E+08	157441244	+	1.983E-09	1.86333E-08	-0.24423	hypo	sig	chr7_157441244
chr9	1.3E+08	129598450	+	1.986E-09	1.86592E-08	-0.22079	hypo	sig	chr9_129598450
chr20	38674841	38674841	+	1.986E-09	1.86626E-08	0.237928	hyper	sig	chr20_38674841
chr3	1.42E+08	141797400	+	1.987E-09	1.86722E-08	0.216737	hyper	sig	chr3_141797400
chr15	23447401	23447401	+	1.993E-09	1.87223E-08	-0.21404	hypo	sig	chr15_23447401
chr1	2.01E+08	200892159	+	1.994E-09	1.87393E-08	-0.21688	hypo	sig	chr1_200892159
chr19	15548900	15548900	+	1.995E-09	1.87426E-08	-0.20429	hypo	sig	chr19_15548900
chr10	324108	324108	+	2.004E-09	1.88242E-08	-0.21072	hypo	sig	chr10_324108
chr19	50728418	50728418	+	2.004E-09	1.88265E-08	0.220877	hyper	sig	chr19_50728418
chr15	41403137	41403137	+	2.004E-09	1.88281E-08	-0.20693	hypo	sig	chr15_41403137
chr10	1399565	1399565	+	2.008E-09	1.88561E-08	-0.20022	hypo	sig	chr10_1399565
chr1	1.1E+08	110111892	+	2.008E-09	1.88624E-08	-0.24706	hypo	sig	chr1_110111892
chr16	15848576	15848576	+	2.014E-09	1.89163E-08	0.242124	hyper	sig	chr16_15848576

chr1	2.07E+08	206559761	+	2.016E-09	1.89291E-08	0.202199	hyper	sig	chr1_206559761
chr19	49049626	49049626	+	2.027E-09	1.90271E-08	-0.23554	hypo	sig	chr19_49049626
chr17	8327565	8327565	+	2.03E-09	1.90594E-08	0.22344	hyper	sig	chr17_8327565
chr3	28903274	28903274	+	2.03E-09	1.90605E-08	-0.21146	hypo	sig	chr3_28903274
chr8	56113948	56113948	+	2.035E-09	1.91073E-08	0.210408	hyper	sig	chr8_56113948
chr1	1430826	1430826	+	2.04E-09	1.91494E-08	-0.23229	hypo	sig	chr1_1430826
chr13	50127424	50127424	+	2.042E-09	1.91662E-08	0.205419	hyper	sig	chr13_50127424
chr11	59063122	59063122	+	2.048E-09	1.92225E-08	0.208486	hyper	sig	chr11_59063122
chr17	8347264	8347264	+	2.049E-09	1.92265E-08	0.225687	hyper	sig	chr17_8347264
chr17	38343962	38343962	+	2.051E-09	1.92459E-08	-0.24302	hypo	sig	chr17_38343962
chr2	1.17E+08	117057038	+	2.054E-09	1.92759E-08	-0.24941	hypo	sig	chr2_117057038
chr3	52197611	52197611	+	2.058E-09	1.93107E-08	-0.2119	hypo	sig	chr3_52197611
chr3	52779636	52779636	+	2.073E-09	1.94439E-08	-0.20773	hypo	sig	chr3_52779636
chr19	8593018	8593018	+	2.074E-09	1.94532E-08	0.234906	hyper	sig	chr19_8593018
chr1	1.65E+08	165116851	+	2.076E-09	1.94681E-08	-0.21907	hypo	sig	chr1_165116851
chr2	94998665	94998665	+	2.078E-09	1.94882E-08	0.236792	hyper	sig	chr2_94998665
chr13	20140722	20140722	+	2.08E-09	1.95069E-08	-0.20787	hypo	sig	chr13_20140722
chr9	38437273	38437273	+	2.086E-09	1.95568E-08	-0.22787	hypo	sig	chr9_38437273
chr19	53884184	53884184	+	2.087E-09	1.95671E-08	0.212135	hyper	sig	chr19_53884184
chr11	65047797	65047797	+	2.087E-09	1.95696E-08	0.21834	hyper	sig	chr11_65047797
chr20	37993295	37993295	+	2.093E-09	1.96184E-08	-0.20577	hypo	sig	chr20_37993295
chr1	33467857	33467857	+	2.094E-09	1.96309E-08	-0.20669	hypo	sig	chr1_33467857
chr13	20419975	20419975	+	2.095E-09	1.96356E-08	-0.20613	hypo	sig	chr13_20419975
chr3	1.27E+08	126705025	+	2.112E-09	1.97945E-08	0.201241	hyper	sig	chr3_126705025
chr3	37242174	37242174	+	2.118E-09	1.98493E-08	-0.22413	hypo	sig	chr3_37242174
chr4	1309640	1309640	+	2.119E-09	1.98578E-08	0.21549	hyper	sig	chr4_1309640
chr6	40595905	40595905	+	2.121E-09	1.98699E-08	-0.20243	hypo	sig	chr6_40595905
chr4	48484395	48484395	+	2.131E-09	1.99594E-08	0.216172	hyper	sig	chr4_48484395
chr3	10141224	10141224	+	2.138E-09	2.00273E-08	-0.20366	hypo	sig	chr3_10141224
chr9	1.29E+08	129254092	+	2.139E-09	2.00292E-08	0.221659	hyper	sig	chr9_129254092
chr1	2.48E+08	247936647	+	2.14E-09	2.00382E-08	-0.21163	hypo	sig	chr1_247936647
chr19	45385540	45385540	+	2.142E-09	2.00617E-08	0.232271	hyper	sig	chr19_45385540
chr16	51154469	51154469	+	2.145E-09	2.00871E-08	0.211827	hyper	sig	chr16_51154469
chr17	38562020	38562020	+	2.145E-09	2.00897E-08	0.211586	hyper	sig	chr17_38562020
chr2	1757615	1757615	+	2.153E-09	2.01561E-08	-0.22218	hypo	sig	chr2_1757615
chr16	55331855	55331855	+	2.158E-09	2.02029E-08	0.2185	hyper	sig	chr16_55331855
chr5	1.8E+08	180205604	+	2.164E-09	2.02609E-08	-0.2033	hypo	sig	chr5_180205604
chr3	1.25E+08	125381791	+	2.166E-09	2.02734E-08	-0.21868	hypo	sig	chr3_125381791
chr19	2893164	2893164	+	2.171E-09	2.03217E-08	-0.20761	hypo	sig	chr19_2893164
chr17	6507721	6507721	+	2.173E-09	2.0336E-08	-0.21404	hypo	sig	chr17_6507721
chr6	30110587	30110587	+	2.177E-09	2.03712E-08	-0.20927	hypo	sig	chr6_30110587
chr4	2746395	2746395	+	2.182E-09	2.04188E-08	-0.20743	hypo	sig	chr4_2746395
chr12	24902733	24902733	+	2.191E-09	2.05001E-08	0.215783	hyper	sig	chr12_24902733
chr1	65265427	65265427	+	2.199E-09	2.05725E-08	0.209449	hyper	sig	chr1_65265427
chr17	21514493	21514493	+	2.212E-09	2.06825E-08	-0.21717	hypo	sig	chr17_21514493
chr2	3647658	3647658	+	2.227E-09	2.08197E-08	-0.29528	hypo	sig	chr2_3647658
chr1	2.01E+08	200737933	+	2.24E-09	2.09363E-08	-0.27279	hypo	sig	chr1_200737933
chr3	10995791	10995791	+	2.245E-09	2.09797E-08	-0.24769	hypo	sig	chr3_10995791
chr8	38974300	38974300	+	2.248E-09	2.10028E-08	0.227193	hyper	sig	chr8_38974300
chr20	38674892	38674892	+	2.249E-09	2.10148E-08	0.248428	hyper	sig	chr20_38674892
chr16	87881839	87881839	+	2.251E-09	2.10343E-08	-0.24208	hypo	sig	chr16_87881839
chr1	23899154	23899154	+	2.251E-09	2.10359E-08	-0.2566	hypo	sig	chr1_23899154
chr14	19008300	19008300	+	2.269E-09	2.1193E-08	-0.20069	hypo	sig	chr14_19008300
chr2	2.08E+08	208163754	+	2.27E-09	2.11969E-08	-0.21574	hypo	sig	chr2_208163754
chr15	58865413	58865413	+	2.27E-09	2.12008E-08	0.227199	hyper	sig	chr15_58865413
chr22	50755134	50755134	+	2.281E-09	2.12957E-08	-0.2488	hypo	sig	chr22_50755134

chr11	66253936	66253936	+	2.289E-09	2.13705E-08	-0.2729	hypo	sig	chr11_66253936
chr1	1.46E+08	146486600	+	2.298E-09	2.14531E-08	0.224844	hyper	sig	chr1_146486600
chr8	18666410	18666410	+	2.3E-09	2.14645E-08	-0.20206	hypo	sig	chr8_18666410
chr5	1.42E+08	141512813	+	2.312E-09	2.15714E-08	0.204445	hyper	sig	chr5_141512813
chr19	1520616	1520616	+	2.312E-09	2.15767E-08	-0.2169	hypo	sig	chr19_1520616
chr7	1.02E+08	102321749	+	2.317E-09	2.16189E-08	-0.24113	hypo	sig	chr7_102321749
chr1	2.03E+08	203083295	+	2.323E-09	2.16695E-08	-0.2016	hypo	sig	chr1_203083295
chr2	5673229	5673229	+	2.326E-09	2.16972E-08	0.208463	hyper	sig	chr2_5673229
chr18	12254906	12254906	+	2.34E-09	2.18225E-08	0.246075	hyper	sig	chr18_12254906
chr7	50069898	50069898	+	2.349E-09	2.19086E-08	-0.20865	hypo	sig	chr7_50069898
chr3	47010015	47010015	+	2.368E-09	2.20686E-08	0.207638	hyper	sig	chr3_47010015
chr5	1.79E+08	178941439	+	2.37E-09	2.20895E-08	0.226899	hyper	sig	chr5_178941439
chr7	73850203	73850203	+	2.385E-09	2.22232E-08	-0.21674	hypo	sig	chr7_73850203
chr6	1.58E+08	158322969	+	2.39E-09	2.22708E-08	-0.2243	hypo	sig	chr6_158322969
chr2	2.42E+08	241815190	+	2.396E-09	2.23255E-08	-0.20083	hypo	sig	chr2_241815190
chr7	98922959	98922959	+	2.398E-09	2.23415E-08	-0.22809	hypo	sig	chr7_98922959
chr6	28479338	28479338	+	2.409E-09	2.24384E-08	0.216318	hyper	sig	chr6_28479338
chr6	33168520	33168520	+	2.413E-09	2.24742E-08	-0.20434	hypo	sig	chr6_33168520
chr1	7702101	7702101	+	2.414E-09	2.24817E-08	-0.20678	hypo	sig	chr1_7702101
chr7	6524165	6524165	+	2.418E-09	2.25206E-08	-0.24776	hypo	sig	chr7_6524165
chr19	13014146	13014146	+	2.421E-09	2.25486E-08	0.223964	hyper	sig	chr19_13014146
chr6	1.32E+08	132402908	+	2.426E-09	2.25878E-08	-0.20798	hypo	sig	chr6_132402908
chr6	1.61E+08	160679141	+	2.437E-09	2.26901E-08	0.231685	hyper	sig	chr6_160679141
chr8	43052433	43052433	+	2.442E-09	2.27322E-08	-0.20772	hypo	sig	chr8_43052433
chr2	2.19E+08	219331939	+	2.444E-09	2.27539E-08	0.215633	hyper	sig	chr2_219331939
chr19	49527806	49527806	+	2.445E-09	2.27619E-08	0.219586	hyper	sig	chr19_49527806
chr1	2.43E+08	242523415	+	2.452E-09	2.2823E-08	0.23819	hyper	sig	chr1_242523415
chr11	59063124	59063124	+	2.466E-09	2.29448E-08	0.213603	hyper	sig	chr11_59063124
chr5	1.79E+08	178941352	+	2.468E-09	2.29592E-08	0.222497	hyper	sig	chr5_178941352
chr12	45051570	45051570	+	2.479E-09	2.30586E-08	0.233816	hyper	sig	chr12_45051570
chr3	1.96E+08	195637123	+	2.495E-09	2.32002E-08	-0.2348	hypo	sig	chr3_195637123
chr16	58498531	58498531	+	2.498E-09	2.32262E-08	-0.20776	hypo	sig	chr16_58498531
chr1	1.57E+08	156642577	+	2.499E-09	2.32415E-08	0.212874	hyper	sig	chr1_156642577
chr14	76131529	76131529	+	2.5E-09	2.32525E-08	0.205804	hyper	sig	chr14_76131529
chr11	64735137	64735137	+	2.506E-09	2.33032E-08	-0.2014	hypo	sig	chr11_64735137
chr19	13014397	13014397	+	2.514E-09	2.33704E-08	0.211285	hyper	sig	chr19_13014397
chr1	1.47E+08	147079582	+	2.519E-09	2.34128E-08	0.262514	hyper	sig	chr1_147079582
chr11	2423014	2423014	+	2.543E-09	2.36304E-08	-0.23161	hypo	sig	chr11_2423014
chr8	90791464	90791464	+	2.548E-09	2.36703E-08	0.200727	hyper	sig	chr8_90791464
chr13	57631831	57631831	+	2.548E-09	2.36729E-08	0.274681	hyper	sig	chr13_57631831
chr11	2422984	2422984	+	2.549E-09	2.36787E-08	-0.21163	hypo	sig	chr11_2422984
chr19	47049400	47049400	+	2.55E-09	2.3689E-08	-0.22026	hypo	sig	chr19_47049400
chr1	23868832	23868832	+	2.551E-09	2.36963E-08	-0.20305	hypo	sig	chr1_23868832
chr9	1.28E+08	128233975	+	2.562E-09	2.38029E-08	-0.21193	hypo	sig	chr9_128233975
chr17	44656174	44656174	+	2.566E-09	2.38344E-08	0.237553	hyper	sig	chr17_44656174
chr7	2440822	2440822	+	2.571E-09	2.3878E-08	-0.21165	hypo	sig	chr7_2440822
chr5	1.41E+08	141422030	+	2.573E-09	2.38985E-08	0.234706	hyper	sig	chr5_141422030
chr5	73436147	73436147	+	2.585E-09	2.40056E-08	0.24855	hyper	sig	chr5_73436147
chr14	53952947	53952947	+	2.589E-09	2.40407E-08	0.217061	hyper	sig	chr14_53952947
chr2	38960681	38960681	+	2.594E-09	2.40793E-08	0.227119	hyper	sig	chr2_38960681
chr12	1.07E+08	106773765	+	2.602E-09	2.41536E-08	-0.22154	hypo	sig	chr12_106773765
chr11	94400936	94400936	+	2.608E-09	2.42078E-08	0.24812	hyper	sig	chr11_94400936
chr1	1.96E+08	195722090	+	2.612E-09	2.42405E-08	-0.24584	hypo	sig	chr1_195722090
chr6	1.7E+08	170244035	+	2.617E-09	2.42862E-08	-0.20062	hypo	sig	chr6_170244035
chr16	66975295	66975295	+	2.622E-09	2.43333E-08	-0.21616	hypo	sig	chr16_66975295
chr12	30201545	30201545	+	2.628E-09	2.43805E-08	0.232078	hyper	sig	chr12_30201545

chr15	96948203	96948203	+	2.629E-09	2.43934E-08	0.22492	hyper	sig	chr15_96948203
chr1	27725169	27725169	+	2.63E-09	2.4399E-08	-0.22018	hypo	sig	chr1_27725169
chr19	46410352	46410352	+	2.633E-09	2.44296E-08	-0.2655	hypo	sig	chr19_46410352
chr21	42304469	42304469	+	2.642E-09	2.45061E-08	0.216834	hyper	sig	chr21_42304469
chr16	54932792	54932792	+	2.65E-09	2.45744E-08	0.224481	hyper	sig	chr16_54932792
chr13	32022514	32022514	+	2.653E-09	2.46043E-08	-0.2482	hypo	sig	chr13_32022514
chr8	1.44E+08	144151727	+	2.669E-09	2.47497E-08	-0.26399	hypo	sig	chr8_144151727
chr11	44930039	44930039	+	2.67E-09	2.47541E-08	-0.22897	hypo	sig	chr11_44930039
chr2	94998616	94998616	+	2.676E-09	2.48051E-08	0.203565	hyper	sig	chr2_94998616
chr2	85412776	85412776	+	2.691E-09	2.49405E-08	-0.25358	hypo	sig	chr2_85412776
chr17	8347360	8347360	+	2.701E-09	2.50248E-08	0.215309	hyper	sig	chr17_8347360
chr17	49894979	49894979	+	2.701E-09	2.50309E-08	-0.21266	hypo	sig	chr17_49894979
chr12	1.32E+08	132196462	+	2.73E-09	2.52887E-08	-0.20622	hypo	sig	chr12_132196462
chr7	27252528	27252528	+	2.733E-09	2.53142E-08	-0.27551	hypo	sig	chr7_27252528
chr14	1E+08	100192565	+	2.74E-09	2.53696E-08	-0.21735	hypo	sig	chr14_100192565
chr17	44384898	44384898	+	2.744E-09	2.5406E-08	0.206736	hyper	sig	chr17_44384898
chr16	66551522	66551522	+	2.752E-09	2.54795E-08	-0.2585	hypo	sig	chr16_66551522
chr12	24902700	24902700	+	2.753E-09	2.54859E-08	0.238724	hyper	sig	chr12_24902700
chr19	45320549	45320549	+	2.755E-09	2.54999E-08	-0.24557	hypo	sig	chr19_45320549
chr19	47448326	47448326	+	2.756E-09	2.55118E-08	0.203524	hyper	sig	chr19_47448326
chr19	55452665	55452665	+	2.769E-09	2.56275E-08	0.234668	hyper	sig	chr19_55452665
chr20	17229229	17229229	+	2.775E-09	2.56849E-08	-0.20548	hypo	sig	chr20_17229229
chr10	6120692	6120692	+	2.789E-09	2.58094E-08	-0.22015	hypo	sig	chr10_6120692
chr22	27026162	27026162	+	2.796E-09	2.58685E-08	-0.25167	hypo	sig	chr22_27026162
chr9	88990943	88990943	+	2.803E-09	2.5929E-08	0.207828	hyper	sig	chr9_88990943
chr7	1.17E+08	117323438	+	2.803E-09	2.59306E-08	0.216115	hyper	sig	chr7_117323438
chr17	82345157	82345157	+	2.818E-09	2.6064E-08	-0.22232	hypo	sig	chr17_82345157
chr13	20946190	20946190	+	2.834E-09	2.62079E-08	0.228808	hyper	sig	chr13_20946190
chr1	17149339	17149339	+	2.834E-09	2.62094E-08	0.229962	hyper	sig	chr1_17149339
chr19	57099461	57099461	+	2.85E-09	2.63498E-08	0.202091	hyper	sig	chr19_57099461
chr14	1.07E+08	106802845	+	2.851E-09	2.63607E-08	-0.22709	hypo	sig	chr14_106802845
chr2	2.22E+08	222295136	+	2.856E-09	2.63981E-08	0.218732	hyper	sig	chr2_222295136
chr19	8698296	8698296	+	2.861E-09	2.64443E-08	0.219933	hyper	sig	chr19_8698296
chr12	53938462	53938462	+	2.861E-09	2.64466E-08	0.257692	hyper	sig	chr12_53938462
chr6	41602062	41602062	+	2.872E-09	2.65432E-08	-0.23792	hypo	sig	chr6_41602062
chr1	38476662	38476662	+	2.885E-09	2.66547E-08	0.209063	hyper	sig	chr1_38476662
chr19	45591417	45591417	+	2.905E-09	2.68305E-08	-0.2005	hypo	sig	chr19_45591417
chr6	43276248	43276248	+	2.908E-09	2.68544E-08	-0.23527	hypo	sig	chr6_43276248
chr18	63477175	63477175	+	2.94E-09	2.71443E-08	-0.20022	hypo	sig	chr18_63477175
chr7	32762338	32762338	+	2.943E-09	2.71666E-08	0.226275	hyper	sig	chr7_32762338
chr17	3673619	3673619	+	2.947E-09	2.72005E-08	-0.23167	hypo	sig	chr17_3673619
chr5	73232783	73232783	+	2.952E-09	2.72476E-08	0.209503	hyper	sig	chr5_73232783
chr15	65075142	65075142	+	2.97E-09	2.74045E-08	-0.22337	hypo	sig	chr15_65075142
chr12	1.13E+08	113472834	+	2.974E-09	2.74393E-08	0.227083	hyper	sig	chr12_113472834
chr1	1.61E+08	161259143	+	3E-09	2.76719E-08	0.208405	hyper	sig	chr1_161259143
chr3	1.84E+08	184491498	+	3.002E-09	2.76857E-08	0.215848	hyper	sig	chr3_184491498
chr21	34370911	34370911	+	3.006E-09	2.77177E-08	-0.20362	hypo	sig	chr21_34370911
chr9	1.33E+08	132582843	+	3.007E-09	2.77283E-08	0.224901	hyper	sig	chr9_132582843
chr1	1.13E+08	112852255	+	3.011E-09	2.77639E-08	-0.22449	hypo	sig	chr1_112852255
chr8	56446325	56446325	+	3.024E-09	2.7878E-08	0.269025	hyper	sig	chr8_56446325
chr6	31058156	31058156	+	3.027E-09	2.79024E-08	-0.23572	hypo	sig	chr6_31058156
chr16	66975333	66975333	+	3.034E-09	2.79627E-08	-0.21912	hypo	sig	chr16_66975333
chr16	89184645	89184645	+	3.037E-09	2.79943E-08	-0.26487	hypo	sig	chr16_89184645
chr6	29975727	29975727	+	3.057E-09	2.81693E-08	0.22892	hyper	sig	chr6_29975727
chr5	80034976	80034976	+	3.061E-09	2.82075E-08	0.213221	hyper	sig	chr5_80034976
chr7	32071454	32071454	+	3.102E-09	2.85681E-08	0.241652	hyper	sig	chr7_32071454

chr8	19602489	19602489	+	3.105E-09	2.85911E-08	0.202412	hyper	sig	chr8_19602489
chr3	13447423	13447423	+	3.12E-09	2.87212E-08	-0.26608	hypo	sig	chr3_13447423
chr22	30806491	30806491	+	3.13E-09	2.88164E-08	-0.20179	hypo	sig	chr22_30806491
chr7	1.42E+08	141550987	+	3.135E-09	2.88573E-08	0.226173	hyper	sig	chr7_141550987
chr3	1.97E+08	196646813	+	3.142E-09	2.89147E-08	-0.20827	hypo	sig	chr3_196646813
chr8	53598256	53598256	+	3.144E-09	2.89334E-08	-0.21068	hypo	sig	chr8_53598256
chr16	47038367	47038367	+	3.151E-09	2.89935E-08	-0.22791	hypo	sig	chr16_47038367
chr16	89584527	89584527	+	3.153E-09	2.90104E-08	-0.20035	hypo	sig	chr16_89584527
chr5	77627912	77627912	+	3.166E-09	2.91247E-08	0.212763	hyper	sig	chr5_77627912
chr1	1.16E+08	116148312	+	3.19E-09	2.93384E-08	-0.20169	hypo	sig	chr1_116148312
chr8	1.16E+08	115648582	+	3.199E-09	2.94221E-08	0.206727	hyper	sig	chr8_115648582
chr11	46295881	46295881	+	3.202E-09	2.94479E-08	0.265269	hyper	sig	chr11_46295881
chr6	2917060	2917060	+	3.207E-09	2.94916E-08	-0.20429	hypo	sig	chr6_2917060
chr9	1.05E+08	104928489	+	3.22E-09	2.96013E-08	0.20649	hyper	sig	chr9_104928489
chr1	2.1E+08	209676082	+	3.239E-09	2.97756E-08	0.219356	hyper	sig	chr1_209676082
chr8	55939527	55939527	+	3.257E-09	2.99315E-08	0.29821	hyper	sig	chr8_55939527
chr14	20510322	20510322	+	3.267E-09	3.00246E-08	-0.27116	hypo	sig	chr14_20510322
chr1	2.1E+08	209676080	+	3.276E-09	3.00994E-08	0.223002	hyper	sig	chr1_209676080
chr11	1743994	1743994	+	3.295E-09	3.02673E-08	-0.21883	hypo	sig	chr11_1743994
chr1	1.55E+08	155243858	+	3.298E-09	3.02887E-08	-0.20215	hypo	sig	chr1_155243858
chr20	46550817	46550817	+	3.307E-09	3.03696E-08	-0.21664	hypo	sig	chr20_46550817
chr5	1.69E+08	169301225	+	3.307E-09	3.03701E-08	0.240241	hyper	sig	chr5_169301225
chr1	2032518	2032518	+	3.309E-09	3.03824E-08	-0.21287	hypo	sig	chr1_2032518
chr3	49550871	49550871	+	3.31E-09	3.03962E-08	-0.23276	hypo	sig	chr3_49550871
chr7	1.29E+08	129146819	+	3.312E-09	3.04088E-08	-0.28792	hypo	sig	chr7_129146819
chr10	324102	324102	+	3.314E-09	3.04293E-08	-0.20015	hypo	sig	chr10_324102
chr9	1.37E+08	136716700	+	3.314E-09	3.04302E-08	-0.20367	hypo	sig	chr9_136716700
chr17	918366	918366	+	3.318E-09	3.0468E-08	-0.20403	hypo	sig	chr17_918366
chr3	32819131	32819131	+	3.322E-09	3.0494E-08	0.225598	hyper	sig	chr3_32819131
chr2	66438280	66438280	+	3.326E-09	3.05341E-08	0.201281	hyper	sig	chr2_66438280
chr6	28258499	28258499	+	3.326E-09	3.05341E-08	-0.22189	hypo	sig	chr6_28258499
chr7	1.06E+08	105708073	+	3.326E-09	3.05357E-08	0.203357	hyper	sig	chr7_105708073
chr8	53878213	53878213	+	3.357E-09	3.08062E-08	0.207087	hyper	sig	chr8_53878213
chr1	11272573	11272573	+	3.368E-09	3.0905E-08	-0.22801	hypo	sig	chr1_11272573
chr20	38724389	38724389	+	3.377E-09	3.09786E-08	0.292042	hyper	sig	chr20_38724389
chr17	21737356	21737356	+	3.384E-09	3.10387E-08	-0.20272	hypo	sig	chr17_21737356
chr11	33656065	33656065	+	3.409E-09	3.1264E-08	-0.22612	hypo	sig	chr11_33656065
chr3	42266027	42266027	+	3.419E-09	3.13511E-08	0.251374	hyper	sig	chr3_42266027
chr5	1.27E+08	126599724	+	3.438E-09	3.15185E-08	-0.20176	hypo	sig	chr5_126599724
chr2	2.35E+08	235050964	+	3.441E-09	3.15458E-08	-0.2228	hypo	sig	chr2_235050964
chr6	1.42E+08	142302669	+	3.459E-09	3.16986E-08	-0.20056	hypo	sig	chr6_142302669
chr20	5010154	5010154	+	3.47E-09	3.17983E-08	-0.20477	hypo	sig	chr20_5010154
chr19	52536440	52536440	+	3.472E-09	3.18167E-08	0.209718	hyper	sig	chr19_52536440
chr17	78904621	78904621	+	3.51E-09	3.21581E-08	-0.20329	hypo	sig	chr17_78904621
chr4	1.54E+08	153760199	+	3.514E-09	3.21933E-08	0.22914	hyper	sig	chr4_153760199
chr4	11368721	11368721	+	3.525E-09	3.22877E-08	0.200447	hyper	sig	chr4_11368721
chr19	4566446	4566446	+	3.545E-09	3.24665E-08	-0.21977	hypo	sig	chr19_4566446
chr3	65356586	65356586	+	3.549E-09	3.25014E-08	0.228461	hyper	sig	chr3_65356586
chr17	75130410	75130410	+	3.551E-09	3.25121E-08	-0.21141	hypo	sig	chr17_75130410
chr1	2.21E+08	220893116	+	3.556E-09	3.25584E-08	0.237944	hyper	sig	chr1_220893116
chr1	1.47E+08	147079589	+	3.577E-09	3.27458E-08	0.237107	hyper	sig	chr1_147079589
chr6	1.7E+08	170287854	+	3.577E-09	3.27466E-08	-0.21459	hypo	sig	chr6_170287854
chr7	1.5E+08	149821828	+	3.578E-09	3.27554E-08	-0.2024	hypo	sig	chr7_149821828
chr10	15091571	15091571	+	3.582E-09	3.27905E-08	-0.23426	hypo	sig	chr10_15091571
chr13	30932947	30932947	+	3.584E-09	3.28081E-08	0.264524	hyper	sig	chr13_30932947
chr11	45653096	45653096	+	3.585E-09	3.28105E-08	-0.23434	hypo	sig	chr11_45653096

chr11	528744	528744	+	3.59E-09	3.28522E-08	-0.20108	hypo	sig	chr11_528744
chr12	54031649	54031649	+	3.651E-09	3.33882E-08	0.202188	hyper	sig	chr12_54031649
chr2	2.24E+08	224379858	+	3.669E-09	3.35506E-08	-0.20122	hypo	sig	chr2_224379858
chr6	1.5E+08	149934622	+	3.695E-09	3.37716E-08	-0.21023	hypo	sig	chr6_149934622
chr13	51223657	51223657	+	3.7E-09	3.38172E-08	-0.21564	hypo	sig	chr13_51223657
chr22	45565572	45565572	+	3.702E-09	3.38394E-08	-0.23356	hypo	sig	chr22_45565572
chr22	42724141	42724141	+	3.73E-09	3.40786E-08	-0.20119	hypo	sig	chr22_42724141
chr18	904832	904832	+	3.781E-09	3.45269E-08	0.230687	hyper	sig	chr18_904832
chr11	1.25E+08	125170544	+	3.79E-09	3.46071E-08	0.206199	hyper	sig	chr11_125170544
chr7	1.51E+08	151204763	+	3.813E-09	3.48045E-08	-0.20009	hypo	sig	chr7_151204763
chr14	26204792	26204792	+	3.833E-09	3.49757E-08	0.205401	hyper	sig	chr14_26204792
chr10	77845329	77845329	+	3.837E-09	3.50121E-08	-0.21065	hypo	sig	chr10_77845329
chr1	17149303	17149303	+	3.861E-09	3.52192E-08	0.242715	hyper	sig	chr1_17149303
chr14	1.03E+08	103282049	+	3.872E-09	3.53208E-08	-0.20341	hypo	sig	chr14_103282049
chr11	1.16E+08	116035365	+	3.876E-09	3.53493E-08	-0.22367	hypo	sig	chr11_116035365
chr13	46440685	46440685	+	3.883E-09	3.54113E-08	-0.26362	hypo	sig	chr13_46440685
chr6	86937059	86937059	+	3.89E-09	3.54781E-08	0.213746	hyper	sig	chr6_86937059
chr7	5295694	5295694	+	3.912E-09	3.56678E-08	-0.20305	hypo	sig	chr7_5295694
chr5	1289104	1289104	+	3.958E-09	3.60651E-08	-0.21742	hypo	sig	chr5_1289104
chr14	62084158	62084158	+	3.959E-09	3.60762E-08	0.234146	hyper	sig	chr14_62084158
chr19	8593005	8593005	+	3.965E-09	3.61326E-08	0.257955	hyper	sig	chr19_8593005
chr19	49693516	49693516	+	3.969E-09	3.61615E-08	-0.2019	hypo	sig	chr19_49693516
chr14	95714740	95714740	+	3.97E-09	3.61693E-08	-0.23182	hypo	sig	chr14_95714740
chr1	12549786	12549786	+	3.98E-09	3.62605E-08	-0.22983	hypo	sig	chr1_12549786
chr2	2.42E+08	241857427	+	3.986E-09	3.63147E-08	-0.20219	hypo	sig	chr2_241857427
chr19	2516990	2516990	+	3.999E-09	3.6423E-08	-0.20236	hypo	sig	chr19_2516990
chr13	80360041	80360041	+	4.008E-09	3.64989E-08	-0.20815	hypo	sig	chr13_80360041
chr6	1.64E+08	164106335	+	4.028E-09	3.66724E-08	-0.2066	hypo	sig	chr6_164106335
chr6	27495638	27495638	+	4.041E-09	3.6785E-08	0.219651	hyper	sig	chr6_27495638
chr2	3649221	3649221	+	4.081E-09	3.71399E-08	-0.20032	hypo	sig	chr2_3649221
chr10	95230844	95230844	+	4.083E-09	3.71545E-08	0.201706	hyper	sig	chr10_95230844
chr11	20596915	20596915	+	4.094E-09	3.72551E-08	0.282351	hyper	sig	chr11_20596915
chr8	56446477	56446477	+	4.119E-09	3.74673E-08	0.291092	hyper	sig	chr8_56446477
chr7	1749930	1749930	+	4.162E-09	3.78391E-08	-0.20553	hypo	sig	chr7_1749930
chr20	58514969	58514969	+	4.162E-09	3.78443E-08	0.206129	hyper	sig	chr20_58514969
chr14	30873910	30873910	+	4.175E-09	3.79517E-08	-0.20996	hypo	sig	chr14_30873910
chr17	76304415	76304415	+	4.185E-09	3.80426E-08	-0.26322	hypo	sig	chr17_76304415
chr3	79502242	79502242	+	4.192E-09	3.81025E-08	0.238387	hyper	sig	chr3_79502242
chr9	1.33E+08	133200311	+	4.206E-09	3.82245E-08	0.26557	hyper	sig	chr9_133200311
chr20	33193217	33193217	+	4.221E-09	3.83521E-08	-0.21675	hypo	sig	chr20_33193217
chr2	2.19E+08	219415677	+	4.229E-09	3.84212E-08	-0.23487	hypo	sig	chr2_219415677
chr13	45712829	45712829	+	4.236E-09	3.84753E-08	-0.20119	hypo	sig	chr13_45712829
chr11	1.25E+08	124917467	+	4.253E-09	3.86242E-08	-0.26209	hypo	sig	chr11_124917467
chr7	38311373	38311373	+	4.272E-09	3.87912E-08	0.215311	hyper	sig	chr7_38311373
chr11	2301771	2301771	+	4.28E-09	3.88629E-08	-0.21088	hypo	sig	chr11_2301771
chr1	10400198	10400198	+	4.283E-09	3.88852E-08	-0.20099	hypo	sig	chr1_10400198
chr17	45501328	45501328	+	4.298E-09	3.9017E-08	0.207208	hyper	sig	chr17_45501328
chr16	1872381	1872381	+	4.303E-09	3.90648E-08	0.269852	hyper	sig	chr16_1872381
chr19	18870634	18870634	+	4.338E-09	3.93662E-08	0.232504	hyper	sig	chr19_18870634
chr1	1.57E+08	156647132	+	4.36E-09	3.95558E-08	0.205677	hyper	sig	chr1_156647132
chr17	17921470	17921470	+	4.399E-09	3.98911E-08	-0.25636	hypo	sig	chr17_17921470
chr19	52453950	52453950	+	4.4E-09	3.99006E-08	0.221439	hyper	sig	chr19_52453950
chr7	44217446	44217446	+	4.417E-09	4.00443E-08	-0.20988	hypo	sig	chr7_44217446
chr17	48727497	48727497	+	4.428E-09	4.0141E-08	0.242388	hyper	sig	chr17_48727497
chr1	2.42E+08	242057535	+	4.438E-09	4.02274E-08	-0.2044	hypo	sig	chr1_242057535
chr10	68561817	68561817	+	4.448E-09	4.0316E-08	0.209493	hyper	sig	chr10_68561817

chr2	25698238	25698238	+	4.466E-09	4.04689E-08	-0.25969	hypo	sig	chr2_25698238
chr21	20997123	20997123	+	4.48E-09	4.05921E-08	0.202245	hyper	sig	chr21_20997123
chr5	1879375	1879375	+	4.512E-09	4.08642E-08	0.210732	hyper	sig	chr5_1879375
chr2	2.16E+08	215613570	+	4.525E-09	4.09768E-08	-0.21276	hypo	sig	chr2_215613570
chr2	25822289	25822289	+	4.538E-09	4.10909E-08	0.220082	hyper	sig	chr2_25822289
chr19	42697956	42697956	+	4.555E-09	4.12363E-08	0.215058	hyper	sig	chr19_42697956
chr3	42264961	42264961	+	4.558E-09	4.12572E-08	0.222568	hyper	sig	chr3_42264961
chr6	37649091	37649091	+	4.582E-09	4.14689E-08	0.221395	hyper	sig	chr6_37649091
chr1	1.83E+08	183417172	+	4.583E-09	4.14735E-08	0.239355	hyper	sig	chr1_183417172
chr6	6605960	6605960	+	4.584E-09	4.14836E-08	-0.20842	hypo	sig	chr6_6605960
chr5	94568436	94568436	+	4.584E-09	4.14858E-08	-0.25928	hypo	sig	chr5_94568436
chr11	1.3E+08	130068665	+	4.609E-09	4.17009E-08	-0.22012	hypo	sig	chr11_130068665
chr12	1.15E+08	114665524	+	4.641E-09	4.19741E-08	0.210767	hyper	sig	chr12_114665524
chr6	6549510	6549510	+	4.674E-09	4.22569E-08	-0.2622	hypo	sig	chr6_6549510
chr3	50224813	50224813	+	4.679E-09	4.23061E-08	-0.25187	hypo	sig	chr3_50224813
chr6	33080593	33080593	+	4.68E-09	4.23127E-08	0.228641	hyper	sig	chr6_33080593
chr19	3594722	3594722	+	4.692E-09	4.24154E-08	-0.25862	hypo	sig	chr19_3594722
chr3	1.58E+08	158102905	+	4.713E-09	4.26021E-08	0.213102	hyper	sig	chr3_158102905
chr16	54291253	54291253	+	4.721E-09	4.26688E-08	0.204121	hyper	sig	chr16_54291253
chr14	66012820	66012820	+	4.736E-09	4.27997E-08	-0.20945	hypo	sig	chr14_66012820
chr19	12513614	12513614	+	4.758E-09	4.29932E-08	0.211776	hyper	sig	chr19_12513614
chr20	57170693	57170693	+	4.766E-09	4.30582E-08	-0.20503	hypo	sig	chr20_57170693
chr16	3251400	3251400	+	4.788E-09	4.32461E-08	-0.23031	hypo	sig	chr16_3251400
chr4	48484390	48484390	+	4.829E-09	4.36035E-08	0.212029	hyper	sig	chr4_48484390
chr1	23868824	23868824	+	4.839E-09	4.36911E-08	-0.20274	hypo	sig	chr1_23868824
chr2	3783090	3783090	+	4.888E-09	4.41087E-08	-0.21245	hypo	sig	chr2_3783090
chr2	2.22E+08	222295144	+	4.899E-09	4.42002E-08	0.224571	hyper	sig	chr2_222295144
chr14	23576512	23576512	+	4.915E-09	4.43365E-08	0.219789	hyper	sig	chr14_23576512
chr19	13014278	13014278	+	4.918E-09	4.4365E-08	0.222116	hyper	sig	chr19_13014278
chr7	64037386	64037386	+	4.921E-09	4.43938E-08	0.210989	hyper	sig	chr7_64037386
chr12	1.31E+08	131434953	+	4.925E-09	4.44251E-08	0.226459	hyper	sig	chr12_131434953
chr19	35866168	35866168	+	4.97E-09	4.48157E-08	-0.25004	hypo	sig	chr19_35866168
chr20	58850416	58850416	+	4.991E-09	4.49988E-08	0.220816	hyper	sig	chr20_58850416
chr11	1.23E+08	122980033	+	5.072E-09	4.56987E-08	0.209777	hyper	sig	chr11_122980033
chr8	1.08E+08	108082114	+	5.087E-09	4.58248E-08	0.213563	hyper	sig	chr8_108082114
chr2	98937426	98937426	+	5.088E-09	4.58292E-08	0.232766	hyper	sig	chr2_98937426
chr12	1.14E+08	114440251	+	5.105E-09	4.59772E-08	0.249081	hyper	sig	chr12_114440251
chr5	1.73E+08	173243986	+	5.113E-09	4.60437E-08	0.20637	hyper	sig	chr5_173243986
chr17	63700926	63700926	+	5.118E-09	4.60898E-08	0.239732	hyper	sig	chr17_63700926
chr3	65356569	65356569	+	5.121E-09	4.61102E-08	0.215241	hyper	sig	chr3_65356569
chr9	1.28E+08	128233990	+	5.124E-09	4.6131E-08	-0.21943	hypo	sig	chr9_128233990
chr5	1.74E+08	173578251	+	5.134E-09	4.62221E-08	-0.21178	hypo	sig	chr5_173578251
chr1	11898327	11898327	+	5.157E-09	4.64153E-08	0.271298	hyper	sig	chr1_11898327
chr9	35972152	35972152	+	5.211E-09	4.68827E-08	0.217138	hyper	sig	chr9_35972152
chr19	38618003	38618003	+	5.216E-09	4.69292E-08	0.210776	hyper	sig	chr19_38618003
chr16	81772478	81772478	+	5.243E-09	4.71518E-08	-0.2488	hypo	sig	chr16_81772478
chr19	16088033	16088033	+	5.243E-09	4.71593E-08	-0.20907	hypo	sig	chr19_16088033
chr17	76304359	76304359	+	5.246E-09	4.71835E-08	-0.20046	hypo	sig	chr17_76304359
chr2	1.32E+08	131675901	+	5.273E-09	4.74123E-08	-0.2048	hypo	sig	chr2_131675901
chr19	33232763	33232763	+	5.303E-09	4.76698E-08	-0.24279	hypo	sig	chr19_33232763
chr3	1.38E+08	137759822	+	5.342E-09	4.80057E-08	0.214722	hyper	sig	chr3_137759822
chr3	1.42E+08	141774620	+	5.4E-09	4.85094E-08	-0.22893	hypo	sig	chr3_141774620
chr10	1.01E+08	101225969	+	5.424E-09	4.87103E-08	0.245524	hyper	sig	chr10_101225969
chr13	1.12E+08	112327834	+	5.453E-09	4.89584E-08	-0.21428	hypo	sig	chr13_112327834
chr19	39252624	39252624	+	5.459E-09	4.90107E-08	-0.23258	hypo	sig	chr19_39252624
chr1	12540350	12540350	+	5.463E-09	4.90423E-08	-0.21129	hypo	sig	chr1_12540350

chr6	1.61E+08	160679153	+	5.495E-09	4.93202E-08	0.234299	hyper	sig	chr6_160679153
chr13	1.01E+08	100517663	+	5.513E-09	4.94731E-08	-0.23429	hypo	sig	chr13_100517663
chr10	1.19E+08	118595427	+	5.534E-09	4.96463E-08	0.204709	hyper	sig	chr10_118595427
chr13	40922843	40922843	+	5.54E-09	4.9701E-08	-0.2224	hypo	sig	chr13_40922843
chr8	57143301	57143301	+	5.596E-09	5.01894E-08	0.242058	hyper	sig	chr8_57143301
chr2	5695950	5695950	+	5.6E-09	5.02253E-08	0.236373	hyper	sig	chr2_5695950
chr14	55241129	55241129	+	5.601E-09	5.02318E-08	0.234027	hyper	sig	chr14_55241129
chr19	53942721	53942721	+	5.604E-09	5.02606E-08	0.292765	hyper	sig	chr19_53942721
chr17	35496608	35496608	+	5.612E-09	5.03223E-08	0.228446	hyper	sig	chr17_35496608
chr17	41586940	41586940	+	5.635E-09	5.05207E-08	-0.21415	hypo	sig	chr17_41586940
chr5	1.16E+08	115963391	+	5.645E-09	5.06153E-08	0.2261	hyper	sig	chr5_115963391
chr5	38846807	38846807	+	5.651E-09	5.06646E-08	0.212539	hyper	sig	chr5_38846807
chr11	60951105	60951105	+	5.693E-09	5.10186E-08	0.207007	hyper	sig	chr11_60951105
chr1	1.69E+08	169113656	+	5.706E-09	5.11322E-08	-0.216	hypo	sig	chr1_169113656
chr6	86937020	86937020	+	5.711E-09	5.11743E-08	0.21318	hyper	sig	chr6_86937020
chr12	8394048	8394048	+	5.742E-09	5.14449E-08	-0.21558	hypo	sig	chr12_8394048
chr6	5850835	5850835	+	5.751E-09	5.1521E-08	0.223123	hyper	sig	chr6_5850835
chr3	1.34E+08	133746336	+	5.789E-09	5.18494E-08	0.254916	hyper	sig	chr3_133746336
chr12	1.08E+08	107864235	+	5.806E-09	5.19962E-08	0.21445	hyper	sig	chr12_107864235
chr19	38397116	38397116	+	5.81E-09	5.20279E-08	-0.2171	hypo	sig	chr19_38397116
chr7	35455061	35455061	+	5.825E-09	5.21574E-08	0.21049	hyper	sig	chr7_35455061
chr8	41723220	41723220	+	5.857E-09	5.24225E-08	-0.20032	hypo	sig	chr8_41723220
chr20	63494681	63494681	+	5.875E-09	5.25829E-08	-0.20475	hypo	sig	chr20_63494681
chr12	24902102	24902102	+	5.928E-09	5.30295E-08	0.205836	hyper	sig	chr12_24902102
chr16	89752818	89752818	+	5.947E-09	5.32002E-08	-0.21301	hypo	sig	chr16_89752818
chr19	51713305	51713305	+	5.966E-09	5.33589E-08	-0.21385	hypo	sig	chr19_51713305
chr18	46676291	46676291	+	5.986E-09	5.35351E-08	-0.22592	hypo	sig	chr18_46676291
chr10	80357466	80357466	+	6.042E-09	5.40128E-08	0.218234	hyper	sig	chr10_80357466
chr19	12195652	12195652	+	6.106E-09	5.45616E-08	0.237199	hyper	sig	chr19_12195652
chr10	1.17E+08	117132235	+	6.127E-09	5.47444E-08	0.255602	hyper	sig	chr10_117132235
chr17	32523433	32523433	+	6.142E-09	5.48771E-08	0.264666	hyper	sig	chr17_32523433
chr20	34558044	34558044	+	6.195E-09	5.53275E-08	-0.21418	hypo	sig	chr20_34558044
chr3	16174998	16174998	+	6.227E-09	5.56046E-08	-0.21984	hypo	sig	chr3_16174998
chr4	11368778	11368778	+	6.259E-09	5.58736E-08	0.203674	hyper	sig	chr4_11368778
chr17	66304784	66304784	+	6.304E-09	5.62594E-08	-0.21022	hypo	sig	chr17_66304784
chr15	40343658	40343658	+	6.342E-09	5.65923E-08	-0.20555	hypo	sig	chr15_40343658
chr19	38370768	38370768	+	6.351E-09	5.66645E-08	-0.21845	hypo	sig	chr19_38370768
chr14	26204787	26204787	+	6.366E-09	5.67989E-08	0.208553	hyper	sig	chr14_26204787
chr12	53964042	53964042	+	6.377E-09	5.68911E-08	0.240209	hyper	sig	chr12_53964042
chr7	1.51E+08	151390750	+	6.381E-09	5.6922E-08	-0.22803	hypo	sig	chr7_151390750
chr3	13283857	13283857	+	6.392E-09	5.70192E-08	0.202561	hyper	sig	chr3_13283857
chr17	5116369	5116369	+	6.394E-09	5.70428E-08	0.215693	hyper	sig	chr17_5116369
chr19	45815358	45815358	+	6.395E-09	5.70498E-08	0.210252	hyper	sig	chr19_45815358
chr12	1.04E+08	104303918	+	6.417E-09	5.72312E-08	0.265221	hyper	sig	chr12_104303918
chr6	26743993	26743993	+	6.425E-09	5.72969E-08	0.209859	hyper	sig	chr6_26743993
chr10	1.33E+08	133304965	+	6.442E-09	5.74472E-08	-0.20398	hypo	sig	chr10_133304965
chr12	38151283	38151283	+	6.454E-09	5.75512E-08	-0.20209	hypo	sig	chr12_38151283
chr6	1.37E+08	137489573	+	6.457E-09	5.75738E-08	0.250378	hyper	sig	chr6_137489573
chr15	31441979	31441979	+	6.497E-09	5.79144E-08	-0.22984	hypo	sig	chr15_31441979
chr8	71557828	71557828	+	6.537E-09	5.82507E-08	0.222889	hyper	sig	chr8_71557828
chr5	1.29E+08	129459813	+	6.574E-09	5.85731E-08	0.20898	hyper	sig	chr5_129459813
chr11	32428890	32428890	+	6.58E-09	5.86275E-08	0.227883	hyper	sig	chr11_32428890
chr7	29991464	29991464	+	6.611E-09	5.88859E-08	-0.26998	hypo	sig	chr7_29991464
chr17	39579733	39579733	+	6.613E-09	5.89084E-08	-0.23629	hypo	sig	chr17_39579733
chr20	46028532	46028532	+	6.664E-09	5.93367E-08	-0.21608	hypo	sig	chr20_46028532
chr10	1.2E+08	120457597	+	6.667E-09	5.93639E-08	0.201426	hyper	sig	chr10_120457597

chr22	39456857	39456857	+	6.701E-09	5.96599E-08	0.200062	hyper	sig	chr22_39456857
chr11	1744018	1744018	+	6.714E-09	5.97624E-08	-0.2308	hypo	sig	chr11_1744018
chr3	13654291	13654291	+	6.717E-09	5.97891E-08	-0.22889	hypo	sig	chr3_13654291
chr4	56542124	56542124	+	6.717E-09	5.97891E-08	-0.21855	hypo	sig	chr4_56542124
chr12	56957339	56957339	+	6.767E-09	6.02124E-08	-0.24385	hypo	sig	chr12_56957339
chr19	9498399	9498399	+	6.767E-09	6.02175E-08	0.223545	hyper	sig	chr19_9498399
chr10	1.28E+08	127738582	+	6.783E-09	6.03514E-08	0.209709	hyper	sig	chr10_127738582
chr20	46648194	46648194	+	6.796E-09	6.04573E-08	-0.21743	hypo	sig	chr20_46648194
chr3	58586983	58586983	+	6.804E-09	6.05213E-08	0.202312	hyper	sig	chr3_58586983
chr19	36605498	36605498	+	6.807E-09	6.05456E-08	0.244218	hyper	sig	chr19_36605498
chr4	1.84E+08	184447931	+	6.836E-09	6.07915E-08	0.223931	hyper	sig	chr4_184447931
chr11	1.3E+08	130068807	+	6.848E-09	6.08916E-08	-0.26089	hypo	sig	chr11_130068807
chr12	43551414	43551414	+	6.849E-09	6.09022E-08	0.231202	hyper	sig	chr12_43551414
chr5	498364	498364	+	6.856E-09	6.09619E-08	-0.23631	hypo	sig	chr5_498364
chr12	95547882	95547882	+	6.893E-09	6.12819E-08	0.214416	hyper	sig	chr12_95547882
chr14	56812601	56812601	+	6.936E-09	6.16356E-08	0.246343	hyper	sig	chr14_56812601
chr5	1.8E+08	179975292	+	6.938E-09	6.16513E-08	-0.203	hypo	sig	chr5_179975292
chr10	1.23E+08	122954732	+	6.948E-09	6.17333E-08	0.204448	hyper	sig	chr10_122954732
chr3	1.7E+08	169666921	+	6.965E-09	6.18851E-08	0.215895	hyper	sig	chr3_169666921
chr7	1.3E+08	130491889	+	7.003E-09	6.22069E-08	0.204302	hyper	sig	chr7_130491889
chr17	38421575	38421575	+	7.02E-09	6.23471E-08	-0.20561	hypo	sig	chr17_38421575
chr12	34218849	34218849	+	7.035E-09	6.2474E-08	0.235865	hyper	sig	chr12_34218849
chr3	26622072	26622072	+	7.055E-09	6.26401E-08	0.211198	hyper	sig	chr3_26622072
chr7	73978702	73978702	+	7.055E-09	6.26416E-08	-0.20117	hypo	sig	chr7_73978702
chr11	68980692	68980692	+	7.079E-09	6.28436E-08	-0.21109	hypo	sig	chr11_68980692
chr1	36126312	36126312	+	7.087E-09	6.2916E-08	-0.21272	hypo	sig	chr1_36126312
chr9	91157112	91157112	+	7.161E-09	6.3543E-08	-0.20077	hypo	sig	chr9_91157112
chr12	1.11E+08	110846377	+	7.222E-09	6.40581E-08	-0.22116	hypo	sig	chr12_110846377
chr1	2.26E+08	225945199	+	7.239E-09	6.41989E-08	-0.22901	hypo	sig	chr1_225945199
chr14	94768409	94768409	+	7.258E-09	6.43689E-08	0.205828	hyper	sig	chr14_94768409
chr19	12195745	12195745	+	7.268E-09	6.4447E-08	0.25005	hyper	sig	chr19_12195745
chr12	1.21E+08	121222195	+	7.289E-09	6.46289E-08	0.208831	hyper	sig	chr12_121222195
chr10	81873733	81873733	+	7.309E-09	6.47962E-08	0.202266	hyper	sig	chr10_81873733
chr9	1.37E+08	137138899	+	7.326E-09	6.49346E-08	0.201394	hyper	sig	chr9_137138899
chr21	45379946	45379946	+	7.328E-09	6.49492E-08	-0.21191	hypo	sig	chr21_45379946
chr14	49766881	49766881	+	7.33E-09	6.49724E-08	-0.28261	hypo	sig	chr14_49766881
chr20	51023519	51023519	+	7.331E-09	6.49771E-08	0.212135	hyper	sig	chr20_51023519
chr17	13602358	13602358	+	7.344E-09	6.50844E-08	0.210746	hyper	sig	chr17_13602358
chr1	2.25E+08	224617975	+	7.354E-09	6.51734E-08	0.200926	hyper	sig	chr1_224617975
chr12	34358501	34358501	+	7.403E-09	6.55848E-08	-0.22985	hypo	sig	chr12_34358501
chr21	24840334	24840334	+	7.442E-09	6.59178E-08	-0.20728	hypo	sig	chr21_24840334
chr11	1.2E+08	120239057	+	7.454E-09	6.60167E-08	-0.20619	hypo	sig	chr11_120239057
chr11	33828952	33828952	+	7.468E-09	6.61389E-08	0.210129	hyper	sig	chr11_33828952
chr9	1.1E+08	109531427	+	7.471E-09	6.61696E-08	-0.22621	hypo	sig	chr9_109531427
chr6	50819945	50819945	+	7.482E-09	6.62537E-08	0.222355	hyper	sig	chr6_50819945
chr2	20669725	20669725	+	7.487E-09	6.63008E-08	0.204383	hyper	sig	chr2_20669725
chr20	45972887	45972887	+	7.494E-09	6.63571E-08	-0.24314	hypo	sig	chr20_45972887
chr1	89808848	89808848	+	7.515E-09	6.65402E-08	-0.2061	hypo	sig	chr1_89808848
chr2	38515426	38515426	+	7.608E-09	6.73272E-08	-0.21068	hypo	sig	chr2_38515426
chr1	1.79E+08	179365100	+	7.621E-09	6.74312E-08	-0.26992	hypo	sig	chr1_179365100
chr8	1.41E+08	141305765	+	7.624E-09	6.74625E-08	0.208476	hyper	sig	chr8_141305765
chr15	26625661	26625661	+	7.631E-09	6.75203E-08	-0.20942	hypo	sig	chr15_26625661
chr16	21756447	21756447	+	7.639E-09	6.7584E-08	-0.20079	hypo	sig	chr16_21756447
chr1	11898269	11898269	+	7.656E-09	6.77294E-08	0.231793	hyper	sig	chr1_11898269
chr1	1434633	1434633	+	7.664E-09	6.77957E-08	-0.23395	hypo	sig	chr1_1434633
chr22	44021844	44021844	+	7.668E-09	6.78229E-08	-0.21562	hypo	sig	chr22_44021844

chr17	40755261	40755261	+	7.691E-09	6.80217E-08	-0.20414	hypo	sig	chr17_40755261
chr1	16227808	16227808	+	7.712E-09	6.81946E-08	0.209915	hyper	sig	chr1_16227808
chr1	6045799	6045799	+	7.726E-09	6.83084E-08	-0.20222	hypo	sig	chr1_6045799
chr3	75604405	75604405	+	7.726E-09	6.83091E-08	-0.2153	hypo	sig	chr3_75604405
chr19	52536412	52536412	+	7.739E-09	6.84239E-08	0.209314	hyper	sig	chr19_52536412
chr19	32869720	32869720	+	7.751E-09	6.85219E-08	-0.2131	hypo	sig	chr19_32869720
chr20	62710540	62710540	+	7.817E-09	6.90843E-08	-0.21972	hypo	sig	chr20_62710540
chr16	54291205	54291205	+	7.845E-09	6.93196E-08	0.249545	hyper	sig	chr16_54291205
chr6	50819955	50819955	+	7.854E-09	6.94002E-08	0.245743	hyper	sig	chr6_50819955
chr4	54090535	54090535	+	7.862E-09	6.94651E-08	-0.21316	hypo	sig	chr4_54090535
chr12	1.33E+08	132617373	+	7.935E-09	7.00836E-08	-0.21056	hypo	sig	chr12_132617373
chr10	49441623	49441623	+	7.989E-09	7.05375E-08	0.200359	hyper	sig	chr10_49441623
chr8	98938859	98938859	+	8.042E-09	7.09749E-08	0.235406	hyper	sig	chr8_98938859
chr8	15539702	15539702	+	8.046E-09	7.10063E-08	-0.20567	hypo	sig	chr8_15539702
chr3	68931289	68931289	+	8.052E-09	7.10638E-08	0.224305	hyper	sig	chr3_68931289
chr12	1.04E+08	104303921	+	8.06E-09	7.11257E-08	0.267638	hyper	sig	chr12_104303921
chr5	1.29E+08	129459811	+	8.068E-09	7.1196E-08	0.211438	hyper	sig	chr5_129459811
chr14	41606656	41606656	+	8.078E-09	7.12855E-08	0.256759	hyper	sig	chr14_41606656
chr19	19211787	19211787	+	8.11E-09	7.15504E-08	0.21245	hyper	sig	chr19_19211787
chr19	56085230	56085230	+	8.166E-09	7.20174E-08	-0.20352	hypo	sig	chr19_56085230
chr10	1.24E+08	123665746	+	8.223E-09	7.24939E-08	0.213408	hyper	sig	chr10_123665746
chr11	46295916	46295916	+	8.246E-09	7.26868E-08	0.224157	hyper	sig	chr11_46295916
chr5	73436134	73436134	+	8.249E-09	7.27137E-08	0.259987	hyper	sig	chr5_73436134
chr9	97855101	97855101	+	8.289E-09	7.30468E-08	0.21263	hyper	sig	chr9_97855101
chr6	10384815	10384815	+	8.292E-09	7.30762E-08	0.218165	hyper	sig	chr6_10384815
chr12	43552031	43552031	+	8.328E-09	7.33738E-08	0.202792	hyper	sig	chr12_43552031
chr8	1.43E+08	143426509	+	8.33E-09	7.33892E-08	0.218436	hyper	sig	chr8_143426509
chr17	57045435	57045435	+	8.333E-09	7.34152E-08	0.228185	hyper	sig	chr17_57045435
chr1	11898256	11898256	+	8.422E-09	7.41632E-08	0.234221	hyper	sig	chr1_11898256
chr19	51328077	51328077	+	8.461E-09	7.44982E-08	0.200658	hyper	sig	chr19_51328077
chr17	37646014	37646014	+	8.479E-09	7.46452E-08	-0.20429	hypo	sig	chr17_37646014
chr12	49342030	49342030	+	8.541E-09	7.51614E-08	0.200933	hyper	sig	chr12_49342030
chr4	1.82E+08	182386700	+	8.554E-09	7.52732E-08	-0.2362	hypo	sig	chr4_182386700
chr11	1.25E+08	125494884	+	8.574E-09	7.54417E-08	0.222347	hyper	sig	chr11_125494884
chr7	29988697	29988697	+	8.614E-09	7.57783E-08	0.220019	hyper	sig	chr7_29988697
chr17	48581642	48581642	+	8.648E-09	7.60721E-08	-0.20845	hypo	sig	chr17_48581642
chr6	10881817	10881817	+	8.652E-09	7.60965E-08	0.209738	hyper	sig	chr6_10881817
chr8	66438630	66438630	+	8.667E-09	7.62248E-08	-0.20557	hypo	sig	chr8_66438630
chr7	56175896	56175896	+	8.763E-09	7.7025E-08	0.247849	hyper	sig	chr7_56175896
chr6	11179896	11179896	+	8.79E-09	7.72575E-08	-0.22325	hypo	sig	chr6_11179896
chr2	72084457	72084457	+	8.802E-09	7.73581E-08	-0.21267	hypo	sig	chr2_72084457
chr16	75221762	75221762	+	8.833E-09	7.76178E-08	-0.25595	hypo	sig	chr16_75221762
chr20	46539000	46539000	+	8.855E-09	7.77994E-08	-0.25136	hypo	sig	chr20_46539000
chr15	79283292	79283292	+	8.858E-09	7.78279E-08	0.228521	hyper	sig	chr15_79283292
chr13	58317817	58317817	+	8.872E-09	7.79458E-08	-0.27759	hypo	sig	chr13_58317817
chr7	72969698	72969698	+	8.875E-09	7.79686E-08	0.243757	hyper	sig	chr7_72969698
chr20	58850423	58850423	+	8.911E-09	7.82685E-08	0.202147	hyper	sig	chr20_58850423
chr5	1.33E+08	132653783	+	8.925E-09	7.83885E-08	-0.20168	hypo	sig	chr5_132653783
chr9	98790994	98790994	+	8.964E-09	7.87163E-08	-0.20083	hypo	sig	chr9_98790994
chr11	8031053	8031053	+	8.973E-09	7.87874E-08	-0.22407	hypo	sig	chr11_8031053
chr14	57866402	57866402	+	8.989E-09	7.89216E-08	0.203994	hyper	sig	chr14_57866402
chr19	49533853	49533853	+	8.989E-09	7.89216E-08	0.212432	hyper	sig	chr19_49533853
chr18	59219815	59219815	+	8.995E-09	7.89703E-08	0.205919	hyper	sig	chr18_59219815
chr2	25822291	25822291	+	9.016E-09	7.91459E-08	0.212623	hyper	sig	chr2_25822291
chr1	2.01E+08	200738000	+	9.066E-09	7.95728E-08	-0.24019	hypo	sig	chr1_200738000
chr19	710906	710906	+	9.08E-09	7.96872E-08	-0.2034	hypo	sig	chr19_710906

chr13	35475767	35475767	+	9.08E-09	7.96907E-08	0.204759	hyper	sig	chr13_35475767
chr13	25372582	25372582	+	9.091E-09	7.97822E-08	0.222499	hyper	sig	chr13_25372582
chr17	58666914	58666914	+	9.1E-09	7.98583E-08	-0.21024	hypo	sig	chr17_58666914
chr5	1.33E+08	132865881	+	9.138E-09	8.01759E-08	-0.20793	hypo	sig	chr5_132865881
chr15	41152422	41152422	+	9.18E-09	8.05307E-08	-0.25305	hypo	sig	chr15_41152422
chr19	4038950	4038950	+	9.218E-09	8.08452E-08	-0.20189	hypo	sig	chr19_4038950
chr6	33080640	33080640	+	9.4E-09	8.23714E-08	0.230225	hyper	sig	chr6_33080640
chr19	48746795	48746795	+	9.421E-09	8.25398E-08	0.202692	hyper	sig	chr19_48746795
chr8	1.41E+08	141305775	+	9.47E-09	8.29575E-08	0.205392	hyper	sig	chr8_141305775
chr19	53978343	53978343	+	9.565E-09	8.37542E-08	0.224805	hyper	sig	chr19_53978343
chr12	1.33E+08	132766940	+	9.769E-09	8.546E-08	-0.20688	hypo	sig	chr12_132766940
chr19	50943685	50943685	+	9.782E-09	8.55647E-08	-0.20116	hypo	sig	chr19_50943685
chr3	65356559	65356559	+	9.785E-09	8.55886E-08	0.216101	hyper	sig	chr3_65356559
chr7	1613898	1613898	+	9.798E-09	8.56918E-08	-0.22075	hypo	sig	chr7_1613898
chr12	38138343	38138343	+	9.827E-09	8.59312E-08	0.213311	hyper	sig	chr12_38138343
chr6	86937022	86937022	+	9.833E-09	8.59882E-08	0.210148	hyper	sig	chr6_86937022
chr7	1.08E+08	108457048	+	9.883E-09	8.64049E-08	0.240007	hyper	sig	chr7_108457048
chr9	1.37E+08	137138846	+	9.903E-09	8.65797E-08	0.224881	hyper	sig	chr9_137138846
chr19	50608444	50608444	+	9.905E-09	8.65916E-08	0.222384	hyper	sig	chr19_50608444
chr19	1047539	1047539	+	9.944E-09	8.69142E-08	-0.21046	hypo	sig	chr19_1047539
chr19	837456	837456	+	9.947E-09	8.69351E-08	-0.20683	hypo	sig	chr19_837456
chr12	24902099	24902099	+	1.005E-08	8.78311E-08	0.212888	hyper	sig	chr12_24902099
chr11	30016087	30016087	+	1.006E-08	8.78625E-08	0.217969	hyper	sig	chr11_30016087
chr20	33193234	33193234	+	1.01E-08	8.8203E-08	-0.20962	hypo	sig	chr20_33193234
chr1	2.03E+08	203087069	+	1.011E-08	8.83223E-08	-0.20011	hypo	sig	chr1_203087069
chr1	3272611	3272611	+	1.012E-08	8.83757E-08	-0.21697	hypo	sig	chr1_3272611
chr4	34512156	34512156	+	1.015E-08	8.86168E-08	-0.21581	hypo	sig	chr4_34512156
chr20	1001966	1001966	+	1.016E-08	8.871E-08	0.215664	hyper	sig	chr20_1001966
chr9	1.29E+08	129078598	+	1.017E-08	8.87654E-08	-0.2017	hypo	sig	chr9_129078598
chr6	28354309	28354309	+	1.018E-08	8.88986E-08	-0.21718	hypo	sig	chr6_28354309
chr1	2.43E+08	242523448	+	1.019E-08	8.89543E-08	0.236006	hyper	sig	chr1_242523448
chr16	89052702	89052702	+	1.028E-08	8.97279E-08	-0.20739	hypo	sig	chr16_89052702
chr5	1.8E+08	180126568	+	1.04E-08	9.07176E-08	-0.20026	hypo	sig	chr5_180126568
chr20	3248483	3248483	+	1.041E-08	9.07417E-08	0.201588	hyper	sig	chr20_3248483
chr11	1.3E+08	129618814	+	1.044E-08	9.10012E-08	-0.20065	hypo	sig	chr11_129618814
chr7	86441557	86441557	+	1.046E-08	9.1214E-08	-0.23528	hypo	sig	chr7_86441557
chr5	1.4E+08	139793267	+	1.057E-08	9.21163E-08	-0.20028	hypo	sig	chr5_139793267
chr1	38053583	38053583	+	1.065E-08	9.27471E-08	-0.21987	hypo	sig	chr1_38053583
chr11	65040298	65040298	+	1.074E-08	9.35528E-08	-0.21611	hypo	sig	chr11_65040298
chr3	22372952	22372952	+	1.079E-08	9.39247E-08	0.269154	hyper	sig	chr3_22372952
chr8	46617846	46617846	+	1.081E-08	9.40891E-08	0.225787	hyper	sig	chr8_46617846
chr3	32819997	32819997	+	1.081E-08	9.4096E-08	0.209388	hyper	sig	chr3_32819997
chr12	65278371	65278371	+	1.084E-08	9.43687E-08	0.204776	hyper	sig	chr12_65278371
chr2	1.76E+08	176189461	+	1.099E-08	9.55649E-08	0.204147	hyper	sig	chr2_176189461
chr11	1.25E+08	125494743	+	1.099E-08	9.55697E-08	0.210646	hyper	sig	chr11_125494743
chr6	1.34E+08	133889169	+	1.103E-08	9.59522E-08	0.205918	hyper	sig	chr6_133889169
chr14	94951346	94951346	+	1.104E-08	9.60025E-08	-0.21703	hypo	sig	chr14_94951346
chr19	51491440	51491440	+	1.114E-08	9.6861E-08	-0.26047	hypo	sig	chr19_51491440
chr22	17366525	17366525	+	1.118E-08	9.71419E-08	-0.24696	hypo	sig	chr22_17366525
chr5	1.69E+08	169300142	+	1.123E-08	9.75792E-08	0.280052	hyper	sig	chr5_169300142
chr22	45263941	45263941	+	1.127E-08	9.79452E-08	-0.20223	hypo	sig	chr22_45263941
chr19	15474602	15474602	+	1.132E-08	9.83125E-08	-0.22787	hypo	sig	chr19_15474602
chr10	49769058	49769058	+	1.148E-08	9.96597E-08	0.224343	hyper	sig	chr10_49769058
chr20	25083727	25083727	+	1.15E-08	9.98532E-08	0.244315	hyper	sig	chr20_25083727
chr19	50728379	50728379	+	1.153E-08	1.0005E-07	0.202754	hyper	sig	chr19_50728379
chr17	79199766	79199766	+	1.154E-08	1.00151E-07	-0.20483	hypo	sig	chr17_79199766

chr1	1.52E+08	151838365	+	1.164E-08	1.01022E-07	0.208161	hyper	sig	chr1_151838365
chr5	1.77E+08	177131876	+	1.171E-08	1.01585E-07	-0.20186	hypo	sig	chr5_177131876
chr2	85132729	85132729	+	1.175E-08	1.01928E-07	0.23614	hyper	sig	chr2_85132729
chr6	1.59E+08	158663040	+	1.179E-08	1.02234E-07	-0.21899	hypo	sig	chr6_158663040
chr19	4555826	4555826	+	1.18E-08	1.02313E-07	-0.2324	hypo	sig	chr19_4555826
chr8	1.32E+08	132249841	+	1.188E-08	1.03006E-07	-0.21873	hypo	sig	chr8_132249841
chr19	46468175	46468175	+	1.195E-08	1.03526E-07	-0.21857	hypo	sig	chr19_46468175
chr4	17781859	17781859	+	1.202E-08	1.04123E-07	0.239707	hyper	sig	chr4_17781859
chr20	31873078	31873078	+	1.207E-08	1.04528E-07	-0.22104	hypo	sig	chr20_31873078
chr3	1.42E+08	141797729	+	1.21E-08	1.0481E-07	0.212324	hyper	sig	chr3_141797729
chr17	44384905	44384905	+	1.225E-08	1.05981E-07	0.20338	hyper	sig	chr17_44384905
chr13	19173819	19173819	+	1.226E-08	1.06078E-07	-0.21223	hypo	sig	chr13_19173819
chr20	49480182	49480182	+	1.226E-08	1.06092E-07	-0.22388	hypo	sig	chr20_49480182
chr11	93529471	93529471	+	1.231E-08	1.06543E-07	-0.20766	hypo	sig	chr11_93529471
chr16	31569701	31569701	+	1.235E-08	1.0682E-07	0.253209	hyper	sig	chr16_31569701
chr10	42898677	42898677	+	1.235E-08	1.06839E-07	0.212922	hyper	sig	chr10_42898677
chr1	2.28E+08	228465300	+	1.237E-08	1.07027E-07	0.21319	hyper	sig	chr1_228465300
chr17	31722627	31722627	+	1.243E-08	1.0748E-07	-0.2412	hypo	sig	chr17_31722627
chr10	8043106	8043106	+	1.245E-08	1.07655E-07	0.232275	hyper	sig	chr10_8043106
chr21	33029570	33029570	+	1.262E-08	1.09072E-07	0.218605	hyper	sig	chr21_33029570
chr6	29972424	29972424	+	1.262E-08	1.09072E-07	-0.20321	hypo	sig	chr6_29972424
chr15	57372316	57372316	+	1.266E-08	1.0943E-07	-0.23443	hypo	sig	chr15_57372316
chr12	1.24E+08	123606480	+	1.271E-08	1.09777E-07	-0.20533	hypo	sig	chr12_123606480
chr6	35214750	35214750	+	1.275E-08	1.10124E-07	0.261216	hyper	sig	chr6_35214750
chr1	54888033	54888033	+	1.275E-08	1.10185E-07	-0.20144	hypo	sig	chr1_54888033
chr12	63149970	63149970	+	1.282E-08	1.10742E-07	0.20987	hyper	sig	chr12_63149970
chr1	2251891	2251891	+	1.284E-08	1.10853E-07	-0.21409	hypo	sig	chr1_2251891
chr3	1.38E+08	137762103	+	1.284E-08	1.1087E-07	0.233	hyper	sig	chr3_137762103
chr6	1.66E+08	166169964	+	1.29E-08	1.11356E-07	0.280256	hyper	sig	chr6_166169964
chr3	1.34E+08	133674897	+	1.291E-08	1.11482E-07	0.219875	hyper	sig	chr3_133674897
chr1	21817050	21817050	+	1.294E-08	1.11732E-07	-0.23551	hypo	sig	chr1_21817050
chr20	9506491	9506491	+	1.3E-08	1.12161E-07	0.221426	hyper	sig	chr20_9506491
chr7	1.53E+08	152921858	+	1.301E-08	1.12298E-07	-0.22254	hypo	sig	chr7_152921858
chr11	67573370	67573370	+	1.301E-08	1.12298E-07	-0.27699	hypo	sig	chr11_67573370
chr7	1.57E+08	157044132	+	1.305E-08	1.12618E-07	-0.21718	hypo	sig	chr7_157044132
chr6	28814272	28814272	+	1.307E-08	1.12735E-07	0.23802	hyper	sig	chr6_28814272
chr19	53907935	53907935	+	1.308E-08	1.1287E-07	0.21435	hyper	sig	chr19_53907935
chr9	35972186	35972186	+	1.308E-08	1.12877E-07	0.225605	hyper	sig	chr9_35972186
chr5	76954660	76954660	+	1.314E-08	1.13376E-07	0.227083	hyper	sig	chr5_76954660
chr11	1.19E+08	119343223	+	1.324E-08	1.14196E-07	-0.23053	hypo	sig	chr11_119343223
chr19	8210128	8210128	+	1.325E-08	1.14247E-07	0.250507	hyper	sig	chr19_8210128
chr2	70707649	70707649	+	1.326E-08	1.14336E-07	-0.20066	hypo	sig	chr2_70707649
chr19	49058320	49058320	+	1.329E-08	1.14556E-07	0.220576	hyper	sig	chr19_49058320
chr19	56642921	56642921	+	1.33E-08	1.14651E-07	0.236081	hyper	sig	chr19_56642921
chr16	14303673	14303673	+	1.334E-08	1.14957E-07	0.215987	hyper	sig	chr16_14303673
chr8	22557005	22557005	+	1.341E-08	1.15578E-07	-0.21794	hypo	sig	chr8_22557005
chr8	1.41E+08	141444406	+	1.343E-08	1.15707E-07	-0.21975	hypo	sig	chr8_141444406
chr12	24902091	24902091	+	1.343E-08	1.15708E-07	0.21361	hyper	sig	chr12_24902091
chr11	20599368	20599368	+	1.348E-08	1.16121E-07	0.248382	hyper	sig	chr11_20599368
chr2	2.42E+08	241834044	+	1.351E-08	1.16372E-07	-0.22454	hypo	sig	chr2_241834044
chr1	2032531	2032531	+	1.356E-08	1.16749E-07	-0.22443	hypo	sig	chr1_2032531
chr11	61392053	61392053	+	1.356E-08	1.16794E-07	-0.23053	hypo	sig	chr11_61392053
chr2	2.22E+08	222295165	+	1.361E-08	1.17141E-07	0.203703	hyper	sig	chr2_222295165
chr19	48746623	48746623	+	1.363E-08	1.17352E-07	0.227456	hyper	sig	chr19_48746623
chr16	31540251	31540251	+	1.366E-08	1.17573E-07	-0.23867	hypo	sig	chr16_31540251
chr3	75604410	75604410	+	1.367E-08	1.17633E-07	-0.22259	hypo	sig	chr3_75604410

chr2	36695755	36695755	+	1.368E-08	1.17742E-07	-0.20251	hypo	sig	chr2_36695755
chr11	17012937	17012937	+	1.382E-08	1.18899E-07	-0.21014	hypo	sig	chr11_17012937
chr22	23454562	23454562	+	1.382E-08	1.18901E-07	0.200018	hyper	sig	chr22_23454562
chr1	2.43E+08	242523407	+	1.385E-08	1.19138E-07	0.225718	hyper	sig	chr1_242523407
chr7	73669865	73669865	+	1.388E-08	1.1942E-07	-0.2008	hypo	sig	chr7_73669865
chr11	14904939	14904939	+	1.393E-08	1.19798E-07	0.231856	hyper	sig	chr11_14904939
chr9	1.34E+08	133856052	+	1.41E-08	1.21142E-07	-0.20859	hypo	sig	chr9_133856052
chr20	4250175	4250175	+	1.41E-08	1.21207E-07	-0.22732	hypo	sig	chr20_4250175
chr7	49774771	49774771	+	1.418E-08	1.218E-07	0.218408	hyper	sig	chr7_49774771
chr19	28794076	28794076	+	1.42E-08	1.21971E-07	0.211338	hyper	sig	chr19_28794076
chr17	73647682	73647682	+	1.423E-08	1.22212E-07	-0.22059	hypo	sig	chr17_73647682
chr8	839851	839851	+	1.434E-08	1.23139E-07	-0.20812	hypo	sig	chr8_839851
chr14	60655388	60655388	+	1.44E-08	1.23613E-07	0.200002	hyper	sig	chr14_60655388
chr4	15778388	15778388	+	1.447E-08	1.24181E-07	0.204264	hyper	sig	chr4_15778388
chr11	57569514	57569514	+	1.449E-08	1.24398E-07	-0.28647	hypo	sig	chr11_57569514
chr19	40526463	40526463	+	1.45E-08	1.24425E-07	-0.21341	hypo	sig	chr19_40526463
chr9	1.31E+08	131260600	+	1.456E-08	1.24917E-07	-0.23825	hypo	sig	chr9_131260600
chr10	42898682	42898682	+	1.462E-08	1.25396E-07	0.209151	hyper	sig	chr10_42898682
chr12	1.04E+08	104303903	+	1.479E-08	1.26825E-07	0.236336	hyper	sig	chr12_104303903
chr16	86225111	86225111	+	1.48E-08	1.26885E-07	-0.21401	hypo	sig	chr16_86225111
chr2	2.4E+08	239724509	+	1.484E-08	1.27264E-07	-0.20396	hypo	sig	chr2_239724509
chr11	43523206	43523206	+	1.489E-08	1.2767E-07	-0.21764	hypo	sig	chr11_43523206
chr19	48966396	48966396	+	1.502E-08	1.28721E-07	-0.24901	hypo	sig	chr19_48966396
chr9	1.3E+08	129724132	+	1.508E-08	1.29189E-07	-0.20672	hypo	sig	chr9_129724132
chr7	1.06E+08	105582252	+	1.511E-08	1.29399E-07	-0.22036	hypo	sig	chr7_105582252
chr15	67826510	67826510	+	1.522E-08	1.30379E-07	0.205	hyper	sig	chr15_67826510
chr5	1.41E+08	141156075	+	1.526E-08	1.30669E-07	0.204646	hyper	sig	chr5_141156075
chr2	38960684	38960684	+	1.531E-08	1.31046E-07	0.21713	hyper	sig	chr2_38960684
chr7	5279929	5279929	+	1.537E-08	1.31578E-07	-0.23792	hypo	sig	chr7_5279929
chr19	731169	731169	+	1.539E-08	1.31754E-07	-0.21524	hypo	sig	chr19_731169
chr7	32762359	32762359	+	1.555E-08	1.32978E-07	0.20422	hyper	sig	chr7_32762359
chr22	38056288	38056288	+	1.562E-08	1.33543E-07	-0.21051	hypo	sig	chr22_38056288
chr2	1.82E+08	181682952	+	1.562E-08	1.3356E-07	0.25588	hyper	sig	chr2_181682952
chr16	87207821	87207821	+	1.566E-08	1.33888E-07	-0.2109	hypo	sig	chr16_87207821
chr16	85302228	85302228	+	1.568E-08	1.34075E-07	-0.20564	hypo	sig	chr16_85302228
chr1	1.57E+08	156647138	+	1.573E-08	1.34427E-07	0.203717	hyper	sig	chr1_156647138
chr4	1524597	1524597	+	1.585E-08	1.35469E-07	-0.21926	hypo	sig	chr4_1524597
chr15	23447349	23447349	+	1.586E-08	1.35519E-07	-0.20717	hypo	sig	chr15_23447349
chr12	30201539	30201539	+	1.59E-08	1.35826E-07	0.226469	hyper	sig	chr12_30201539
chr9	1.04E+08	104092898	+	1.598E-08	1.36467E-07	-0.21439	hypo	sig	chr9_104092898
chr6	10418772	10418772	+	1.6E-08	1.36681E-07	0.217253	hyper	sig	chr6_10418772
chr1	1.8E+08	179747596	+	1.616E-08	1.37918E-07	-0.27238	hypo	sig	chr1_179747596
chr10	26211736	26211736	+	1.618E-08	1.38086E-07	0.200501	hyper	sig	chr10_26211736
chr2	26971568	26971568	+	1.621E-08	1.38334E-07	-0.20046	hypo	sig	chr2_26971568
chr14	70186956	70186956	+	1.631E-08	1.39196E-07	0.207698	hyper	sig	chr14_70186956
chr11	1.34E+08	134277433	+	1.634E-08	1.39427E-07	0.202918	hyper	sig	chr11_134277433
chr13	94758237	94758237	+	1.634E-08	1.39433E-07	-0.21717	hypo	sig	chr13_94758237
chr17	5772787	5772787	+	1.643E-08	1.40157E-07	-0.2031	hypo	sig	chr17_5772787
chr1	2.31E+08	230747063	+	1.652E-08	1.40901E-07	-0.20038	hypo	sig	chr1_230747063
chr11	42950134	42950134	+	1.653E-08	1.40953E-07	-0.22925	hypo	sig	chr11_42950134
chr2	1.82E+08	181682587	+	1.654E-08	1.41081E-07	0.252888	hyper	sig	chr2_181682587
chr1	29135974	29135974	+	1.659E-08	1.4147E-07	-0.20801	hypo	sig	chr1_29135974
chr12	29783083	29783083	+	1.663E-08	1.41788E-07	0.217351	hyper	sig	chr12_29783083
chr4	1.69E+08	168877858	+	1.667E-08	1.42079E-07	0.228313	hyper	sig	chr4_168877858
chr7	27252526	27252526	+	1.668E-08	1.42155E-07	-0.26036	hypo	sig	chr7_27252526
chr4	1198287	1198287	+	1.668E-08	1.42163E-07	-0.21066	hypo	sig	chr4_1198287

chr3	42265563	42265563	+	1.686E-08	1.43625E-07	0.286742	hyper	sig	chr3_42265563
chr6	1.64E+08	163831612	+	1.686E-08	1.43646E-07	-0.20389	hypo	sig	chr6_163831612
chr10	6228496	6228496	+	1.699E-08	1.44631E-07	-0.20139	hypo	sig	chr10_6228496
chr17	8019229	8019229	+	1.716E-08	1.46022E-07	-0.2905	hypo	sig	chr17_8019229
chr3	1.27E+08	126703417	+	1.721E-08	1.46441E-07	-0.20555	hypo	sig	chr3_126703417
chr4	1.44E+08	143912008	+	1.737E-08	1.47753E-07	0.212734	hyper	sig	chr4_143912008
chr20	63657962	63657962	+	1.741E-08	1.4802E-07	0.200955	hyper	sig	chr20_63657962
chr19	56538270	56538270	+	1.744E-08	1.48275E-07	0.214001	hyper	sig	chr19_56538270
chr18	50557591	50557591	+	1.759E-08	1.49519E-07	-0.22216	hypo	sig	chr18_50557591
chr1	38804623	38804623	+	1.768E-08	1.50278E-07	0.212753	hyper	sig	chr1_38804623
chr15	41403232	41403232	+	1.769E-08	1.50307E-07	-0.20751	hypo	sig	chr15_41403232
chr11	20600050	20600050	+	1.769E-08	1.50359E-07	0.203091	hyper	sig	chr11_20600050
chr17	1322133	1322133	+	1.77E-08	1.50377E-07	-0.2455	hypo	sig	chr17_1322133
chr2	74909391	74909391	+	1.771E-08	1.50525E-07	-0.21812	hypo	sig	chr2_74909391
chr21	43728993	43728993	+	1.772E-08	1.50589E-07	0.211126	hyper	sig	chr21_43728993
chr14	81623096	81623096	+	1.779E-08	1.51137E-07	-0.25287	hypo	sig	chr14_81623096
chr4	54110067	54110067	+	1.784E-08	1.51538E-07	0.217316	hyper	sig	chr4_54110067
chr11	2328220	2328220	+	1.785E-08	1.51607E-07	-0.22984	hypo	sig	chr11_2328220
chr19	58055314	58055314	+	1.787E-08	1.51752E-07	0.219195	hyper	sig	chr19_58055314
chr1	69568528	69568528	+	1.818E-08	1.5427E-07	0.22226	hyper	sig	chr1_69568528
chr13	27921983	27921983	+	1.823E-08	1.54657E-07	0.220245	hyper	sig	chr13_27921983
chr12	1.14E+08	113635304	+	1.826E-08	1.54916E-07	-0.25027	hypo	sig	chr12_113635304
chr12	1.08E+08	107864232	+	1.826E-08	1.54919E-07	0.203059	hyper	sig	chr12_107864232
chr16	1177596	1177596	+	1.827E-08	1.55001E-07	-0.22558	hypo	sig	chr16_1177596
chr17	57045445	57045445	+	1.843E-08	1.56284E-07	0.229346	hyper	sig	chr17_57045445
chr12	1.23E+08	122773855	+	1.848E-08	1.56665E-07	-0.20163	hypo	sig	chr12_122773855
chr19	18233710	18233710	+	1.852E-08	1.56974E-07	0.218651	hyper	sig	chr19_18233710
chr11	44930033	44930033	+	1.877E-08	1.58999E-07	-0.20815	hypo	sig	chr11_44930033
chr19	4171736	4171736	+	1.879E-08	1.5922E-07	-0.21737	hypo	sig	chr19_4171736
chr8	97274641	97274641	+	1.884E-08	1.59608E-07	-0.2387	hypo	sig	chr8_97274641
chr1	3595197	3595197	+	1.887E-08	1.59843E-07	-0.2023	hypo	sig	chr1_3595197
chr17	45501320	45501320	+	1.89E-08	1.60052E-07	0.201282	hyper	sig	chr17_45501320
chr10	1.33E+08	133179996	+	1.901E-08	1.60923E-07	-0.22436	hypo	sig	chr10_133179996
chr8	1.43E+08	143211950	+	1.905E-08	1.61248E-07	-0.20784	hypo	sig	chr8_143211950
chr4	1.11E+08	110615523	+	1.919E-08	1.62406E-07	0.202123	hyper	sig	chr4_110615523
chr9	1.28E+08	127846602	+	1.925E-08	1.62896E-07	-0.22566	hypo	sig	chr9_127846602
chr8	1.42E+08	142399887	+	1.931E-08	1.63339E-07	-0.21927	hypo	sig	chr8_142399887
chr1	1.97E+08	196609328	+	1.94E-08	1.64096E-07	0.228703	hyper	sig	chr1_196609328
chr7	65771326	65771326	+	1.959E-08	1.6566E-07	-0.21528	hypo	sig	chr7_65771326
chr2	88550132	88550132	+	1.963E-08	1.65935E-07	0.257725	hyper	sig	chr2_88550132
chr6	10384827	10384827	+	1.966E-08	1.66229E-07	0.211753	hyper	sig	chr6_10384827
chr11	50074099	50074099	+	1.971E-08	1.66611E-07	-0.24675	hypo	sig	chr11_50074099
chr16	55327779	55327779	+	1.977E-08	1.67056E-07	0.202524	hyper	sig	chr16_55327779
chr10	42898674	42898674	+	1.98E-08	1.67288E-07	0.213409	hyper	sig	chr10_42898674
chr11	17735812	17735812	+	1.984E-08	1.67659E-07	0.231915	hyper	sig	chr11_17735812
chr3	47355572	47355572	+	1.984E-08	1.67662E-07	-0.27467	hypo	sig	chr3_47355572
chr10	25925665	25925665	+	1.987E-08	1.67906E-07	-0.22328	hypo	sig	chr10_25925665
chr19	35044185	35044185	+	1.997E-08	1.68694E-07	-0.2261	hypo	sig	chr19_35044185
chr22	21882175	21882175	+	2.005E-08	1.69301E-07	-0.20272	hypo	sig	chr22_21882175
chr7	32071456	32071456	+	2.01E-08	1.69696E-07	0.235267	hyper	sig	chr7_32071456
chr1	1.13E+08	112852329	+	2.016E-08	1.70172E-07	-0.25886	hypo	sig	chr1_112852329
chr13	1.13E+08	113419993	+	2.016E-08	1.70197E-07	-0.20342	hypo	sig	chr13_113419993
chr17	8019223	8019223	+	2.023E-08	1.70779E-07	-0.27997	hypo	sig	chr17_8019223
chr5	40676096	40676096	+	2.036E-08	1.71821E-07	0.217306	hyper	sig	chr5_40676096
chr15	52795032	52795032	+	2.075E-08	1.74973E-07	0.207843	hyper	sig	chr15_52795032
chr2	2.38E+08	237905492	+	2.088E-08	1.75955E-07	-0.21041	hypo	sig	chr2_237905492

chr13	20224595	20224595	+	2.09E-08	1.76137E-07	-0.22105	hypo	sig	chr13_20224595
chr7	74043417	74043417	+	2.102E-08	1.77085E-07	-0.21727	hypo	sig	chr7_74043417
chr2	61764789	61764789	+	2.114E-08	1.7805E-07	0.207412	hyper	sig	chr2_61764789
chr2	1.28E+08	128485878	+	2.114E-08	1.78078E-07	-0.21491	hypo	sig	chr2_128485878
chr17	3128038	3128038	+	2.124E-08	1.7888E-07	-0.22399	hypo	sig	chr17_3128038
chr3	70617647	70617647	+	2.128E-08	1.79195E-07	-0.22401	hypo	sig	chr3_70617647
chr10	49121783	49121783	+	2.131E-08	1.79416E-07	-0.24547	hypo	sig	chr10_49121783
chr20	46648204	46648204	+	2.134E-08	1.79615E-07	-0.21619	hypo	sig	chr20_46648204
chr9	94332599	94332599	+	2.136E-08	1.79825E-07	0.201502	hyper	sig	chr9_94332599
chr17	62381869	62381869	+	2.141E-08	1.8022E-07	-0.25625	hypo	sig	chr17_62381869
chr3	13932906	13932906	+	2.147E-08	1.80714E-07	0.202349	hyper	sig	chr3_13932906
chr1	7945048	7945048	+	2.154E-08	1.81261E-07	-0.26176	hypo	sig	chr1_7945048
chr5	1.58E+08	157574714	+	2.16E-08	1.81723E-07	0.21777	hyper	sig	chr5_157574714
chr11	57477571	57477571	+	2.165E-08	1.82129E-07	-0.2351	hypo	sig	chr11_57477571
chr17	1998944	1998944	+	2.166E-08	1.8217E-07	-0.21419	hypo	sig	chr17_1998944
chr21	43779176	43779176	+	2.205E-08	1.85263E-07	-0.22205	hypo	sig	chr21_43779176
chr17	982139	982139	+	2.205E-08	1.85288E-07	-0.21521	hypo	sig	chr17_982139
chr5	77627916	77627916	+	2.207E-08	1.85472E-07	0.203802	hyper	sig	chr5_77627916
chr15	62221575	62221575	+	2.213E-08	1.85922E-07	-0.21956	hypo	sig	chr15_62221575
chr20	2817075	2817075	+	2.217E-08	1.86209E-07	-0.22245	hypo	sig	chr20_2817075
chr11	27722765	27722765	+	2.22E-08	1.86505E-07	0.207049	hyper	sig	chr11_27722765
chr5	1.41E+08	141156043	+	2.222E-08	1.8661E-07	0.241968	hyper	sig	chr5_141156043
chr3	32820004	32820004	+	2.227E-08	1.8703E-07	0.211169	hyper	sig	chr3_32820004
chr9	35972183	35972183	+	2.239E-08	1.88041E-07	0.21829	hyper	sig	chr9_35972183
chr5	41509213	41509213	+	2.249E-08	1.8879E-07	-0.21782	hypo	sig	chr5_41509213
chr12	3491675	3491675	+	2.269E-08	1.90384E-07	0.244054	hyper	sig	chr12_3491675
chr8	38974313	38974313	+	2.281E-08	1.91374E-07	0.207971	hyper	sig	chr8_38974313
chr19	12155626	12155626	+	2.286E-08	1.91812E-07	0.210532	hyper	sig	chr19_12155626
chr3	1.82E+08	181726354	+	2.297E-08	1.92627E-07	0.237079	hyper	sig	chr3_181726354
chr4	15677975	15677975	+	2.302E-08	1.92993E-07	-0.26283	hypo	sig	chr4_15677975
chr19	15377180	15377180	+	2.317E-08	1.94179E-07	-0.21348	hypo	sig	chr19_15377180
chr10	1.01E+08	101225977	+	2.326E-08	1.9493E-07	0.254884	hyper	sig	chr10_101225977
chr19	50728646	50728646	+	2.337E-08	1.95793E-07	0.221518	hyper	sig	chr19_50728646
chr13	1.14E+08	114147413	+	2.348E-08	1.96712E-07	-0.22358	hypo	sig	chr13_114147413
chr5	1.58E+08	157574712	+	2.386E-08	1.99721E-07	0.213322	hyper	sig	chr5_157574712
chr2	63051752	63051752	+	2.399E-08	2.00789E-07	0.212303	hyper	sig	chr2_63051752
chr5	77644624	77644624	+	2.402E-08	2.01028E-07	0.208782	hyper	sig	chr5_77644624
chr12	1.32E+08	132452247	+	2.415E-08	2.02073E-07	-0.20784	hypo	sig	chr12_132452247
chr5	1.69E+08	169301270	+	2.415E-08	2.02073E-07	0.229795	hyper	sig	chr5_169301270
chr20	62214063	62214063	+	2.417E-08	2.02208E-07	-0.20855	hypo	sig	chr20_62214063
chr16	55657022	55657022	+	2.421E-08	2.02508E-07	0.238758	hyper	sig	chr16_55657022
chr19	45674033	45674033	+	2.436E-08	2.03694E-07	-0.22895	hypo	sig	chr19_45674033
chr7	1.51E+08	151300475	+	2.44E-08	2.03988E-07	-0.20218	hypo	sig	chr7_151300475
chr16	89938861	89938861	+	2.461E-08	2.05688E-07	-0.21478	hypo	sig	chr16_89938861
chr15	29101164	29101164	+	2.474E-08	2.06685E-07	-0.20099	hypo	sig	chr15_29101164
chr6	1.26E+08	125533988	+	2.479E-08	2.07093E-07	0.271995	hyper	sig	chr6_125533988
chr6	42178153	42178153	+	2.482E-08	2.07315E-07	0.205771	hyper	sig	chr6_42178153
chr11	1.29E+08	129372723	+	2.488E-08	2.0783E-07	0.214865	hyper	sig	chr11_129372723
chr15	40131244	40131244	+	2.502E-08	2.08901E-07	-0.20319	hypo	sig	chr15_40131244
chr2	1.6E+08	160396930	+	2.503E-08	2.08984E-07	-0.23114	hypo	sig	chr2_160396930
chr12	24902629	24902629	+	2.512E-08	2.09737E-07	0.214717	hyper	sig	chr12_24902629
chr10	68561800	68561800	+	2.516E-08	2.1006E-07	0.226823	hyper	sig	chr10_68561800
chr6	1.12E+08	112367458	+	2.55E-08	2.1276E-07	0.228948	hyper	sig	chr6_112367458
chr22	49613792	49613792	+	2.554E-08	2.13069E-07	-0.20244	hypo	sig	chr22_49613792
chr10	13834402	13834402	+	2.563E-08	2.13761E-07	-0.20044	hypo	sig	chr10_13834402
chr11	69157044	69157044	+	2.567E-08	2.1409E-07	-0.21894	hypo	sig	chr11_69157044

chr10	1.24E+08	124461564	+	2.589E-08	2.15838E-07	-0.26077	hypo	sig	chr10_124461564
chr3	1.91E+08	190862583	+	2.626E-08	2.18779E-07	0.21738	hyper	sig	chr3_190862583
chr3	42265536	42265536	+	2.641E-08	2.1993E-07	0.249469	hyper	sig	chr3_42265536
chr6	43457013	43457013	+	2.641E-08	2.19977E-07	-0.2222	hypo	sig	chr6_43457013
chr5	32726083	32726083	+	2.649E-08	2.20549E-07	0.207833	hyper	sig	chr5_32726083
chr7	1.49E+08	149066219	+	2.676E-08	2.22744E-07	-0.2452	hypo	sig	chr7_149066219
chr7	1.51E+08	151307884	+	2.679E-08	2.22967E-07	-0.20648	hypo	sig	chr7_151307884
chr16	88263484	88263484	+	2.685E-08	2.23436E-07	-0.21329	hypo	sig	chr16_88263484
chr10	3126845	3126845	+	2.689E-08	2.23762E-07	-0.20324	hypo	sig	chr10_3126845
chr19	4544597	4544597	+	2.708E-08	2.25282E-07	-0.23268	hypo	sig	chr19_4544597
chr9	1.3E+08	129640367	+	2.729E-08	2.26934E-07	-0.24432	hypo	sig	chr9_129640367
chr16	25103771	25103771	+	2.74E-08	2.27811E-07	-0.22867	hypo	sig	chr16_25103771
chr19	51601175	51601175	+	2.747E-08	2.28373E-07	0.200549	hyper	sig	chr19_51601175
chr16	29777782	29777782	+	2.75E-08	2.28538E-07	-0.21416	hypo	sig	chr16_29777782
chr2	2.18E+08	218354945	+	2.751E-08	2.28682E-07	-0.21868	hypo	sig	chr2_218354945
chr1	12604184	12604184	+	2.793E-08	2.32031E-07	-0.20512	hypo	sig	chr1_12604184
chr3	36970139	36970139	+	2.806E-08	2.33058E-07	-0.24178	hypo	sig	chr3_36970139
chr7	1.55E+08	154797982	+	2.817E-08	2.33896E-07	-0.23424	hypo	sig	chr7_154797982
chr20	43188477	43188477	+	2.824E-08	2.34435E-07	0.215242	hyper	sig	chr20_43188477
chr12	1.21E+08	120716591	+	2.831E-08	2.35008E-07	-0.23248	hypo	sig	chr12_120716591
chr11	20605357	20605357	+	2.84E-08	2.35667E-07	0.211304	hyper	sig	chr11_20605357
chr19	35852619	35852619	+	2.852E-08	2.36609E-07	-0.2267	hypo	sig	chr19_35852619
chr7	1.28E+08	128349284	+	2.861E-08	2.37343E-07	-0.21737	hypo	sig	chr7_128349284
chr1	39516491	39516491	+	2.876E-08	2.38549E-07	-0.26298	hypo	sig	chr1_39516491
chr12	29390016	29390016	+	2.877E-08	2.38677E-07	-0.21487	hypo	sig	chr12_29390016
chr2	45170965	45170965	+	2.954E-08	2.4472E-07	0.200877	hyper	sig	chr2_45170965
chr7	1.54E+08	154052634	+	2.973E-08	2.46242E-07	0.238104	hyper	sig	chr7_154052634
chr5	1.76E+08	175657707	+	2.991E-08	2.47591E-07	0.232027	hyper	sig	chr5_175657707
chr11	12009550	12009550	+	3.002E-08	2.48506E-07	0.235789	hyper	sig	chr11_12009550
chr5	1.77E+08	177382689	+	3.006E-08	2.48765E-07	-0.20433	hypo	sig	chr5_177382689
chr8	70035039	70035039	+	3.024E-08	2.50229E-07	0.254842	hyper	sig	chr8_70035039
chr5	1865548	1865548	+	3.039E-08	2.51393E-07	-0.20436	hypo	sig	chr5_1865548
chr1	12540334	12540334	+	3.073E-08	2.54072E-07	-0.20415	hypo	sig	chr1_12540334
chr10	99527357	99527357	+	3.079E-08	2.54504E-07	0.2004	hyper	sig	chr10_99527357
chr17	21463877	21463877	+	3.08E-08	2.5462E-07	0.206611	hyper	sig	chr17_21463877
chr3	44337603	44337603	+	3.089E-08	2.55298E-07	-0.24781	hypo	sig	chr3_44337603
chr1	17149356	17149356	+	3.096E-08	2.5583E-07	0.221107	hyper	sig	chr1_17149356
chr5	1.8E+08	180126861	+	3.101E-08	2.56217E-07	-0.20408	hypo	sig	chr5_180126861
chr14	93787917	93787917	+	3.118E-08	2.57612E-07	0.209021	hyper	sig	chr14_93787917
chr10	22477280	22477280	+	3.125E-08	2.58125E-07	0.206784	hyper	sig	chr10_22477280
chr4	25159445	25159445	+	3.14E-08	2.59332E-07	-0.2006	hypo	sig	chr4_25159445
chr15	92734137	92734137	+	3.146E-08	2.59792E-07	0.216947	hyper	sig	chr15_92734137
chr1	31717683	31717683	+	3.147E-08	2.59872E-07	-0.20822	hypo	sig	chr1_31717683
chr1	13700879	13700879	+	3.157E-08	2.60631E-07	0.242529	hyper	sig	chr1_13700879
chr19	40513354	40513354	+	3.158E-08	2.60745E-07	0.211129	hyper	sig	chr19_40513354
chr11	9626823	9626823	+	3.17E-08	2.61696E-07	-0.21358	hypo	sig	chr11_9626823
chr19	8210131	8210131	+	3.19E-08	2.63252E-07	0.233695	hyper	sig	chr19_8210131
chr10	1.01E+08	101140652	+	3.203E-08	2.64294E-07	0.203196	hyper	sig	chr10_101140652
chr6	1.67E+08	167170129	+	3.203E-08	2.64311E-07	-0.23045	hypo	sig	chr6_167170129
chr13	1.11E+08	111095827	+	3.213E-08	2.65109E-07	-0.21815	hypo	sig	chr13_111095827
chr7	1.02E+08	102321887	+	3.262E-08	2.68963E-07	-0.23884	hypo	sig	chr7_102321887
chr8	64373237	64373237	+	3.304E-08	2.72287E-07	0.207124	hyper	sig	chr8_64373237
chr3	37242214	37242214	+	3.313E-08	2.72958E-07	-0.21464	hypo	sig	chr3_37242214
chr20	4761750	4761750	+	3.336E-08	2.74738E-07	-0.23081	hypo	sig	chr20_4761750
chr16	85826518	85826518	+	3.339E-08	2.75021E-07	-0.21373	hypo	sig	chr16_85826518
chr20	61903100	61903100	+	3.349E-08	2.75741E-07	-0.21304	hypo	sig	chr20_61903100

chr1	2.01E+08	200737958	+	3.365E-08	2.77066E-07	-0.21853	hypo	sig	chr1_200737958
chr20	51000553	51000553	+	3.367E-08	2.77185E-07	-0.20944	hypo	sig	chr20_51000553
chr19	7924778	7924778	+	3.373E-08	2.77628E-07	-0.21136	hypo	sig	chr19_7924778
chr3	14552329	14552329	+	3.379E-08	2.78102E-07	-0.2136	hypo	sig	chr3_14552329
chr6	1.42E+08	141562284	+	3.389E-08	2.78869E-07	-0.21637	hypo	sig	chr6_141562284
chr1	6204976	6204976	+	3.4E-08	2.79715E-07	-0.2	hypo	sig	chr1_6204976
chr7	1.55E+08	155070980	+	3.401E-08	2.7982E-07	0.234811	hyper	sig	chr7_155070980
chr10	7424407	7424407	+	3.412E-08	2.80659E-07	-0.22005	hypo	sig	chr10_7424407
chr8	4994869	4994869	+	3.413E-08	2.80722E-07	0.203816	hyper	sig	chr8_4994869
chr6	89120554	89120554	+	3.417E-08	2.81047E-07	-0.21702	hypo	sig	chr6_89120554
chr12	1.14E+08	113519850	+	3.42E-08	2.81315E-07	0.233977	hyper	sig	chr12_113519850
chr12	12927301	12927301	+	3.461E-08	2.84488E-07	-0.23157	hypo	sig	chr12_12927301
chr13	1.08E+08	108494969	+	3.465E-08	2.84851E-07	0.205385	hyper	sig	chr13_108494969
chr20	29412140	29412140	+	3.47E-08	2.85201E-07	0.246285	hyper	sig	chr20_29412140
chr19	11546251	11546251	+	3.481E-08	2.86113E-07	-0.21159	hypo	sig	chr19_11546251
chr11	46295913	46295913	+	3.495E-08	2.8719E-07	0.219444	hyper	sig	chr11_46295913
chr8	23705977	23705977	+	3.496E-08	2.87247E-07	0.271312	hyper	sig	chr8_23705977
chr17	82692229	82692229	+	3.509E-08	2.8826E-07	0.21353	hyper	sig	chr17_82692229
chr6	1.59E+08	158663055	+	3.538E-08	2.90572E-07	-0.23064	hypo	sig	chr6_158663055
chr11	729197	729197	+	3.56E-08	2.92305E-07	-0.21052	hypo	sig	chr11_729197
chr19	17648907	17648907	+	3.573E-08	2.93253E-07	-0.20669	hypo	sig	chr19_17648907
chr1	2.36E+08	236396054	+	3.621E-08	2.96973E-07	0.20621	hyper	sig	chr1_236396054
chr1	9279624	9279624	+	3.626E-08	2.97439E-07	-0.2295	hypo	sig	chr1_9279624
chr16	49849804	49849804	+	3.635E-08	2.98122E-07	-0.21619	hypo	sig	chr16_49849804
chr22	50671118	50671118	+	3.639E-08	2.98385E-07	-0.22843	hypo	sig	chr22_50671118
chr8	41569896	41569896	+	3.705E-08	3.03547E-07	-0.20014	hypo	sig	chr8_41569896
chr12	1.08E+08	108426339	+	3.71E-08	3.03948E-07	-0.23153	hypo	sig	chr12_108426339
chr2	2.01E+08	200865871	+	3.722E-08	3.04813E-07	-0.20208	hypo	sig	chr2_200865871
chr1	1.54E+08	153793120	+	3.749E-08	3.06912E-07	-0.20553	hypo	sig	chr1_153793120
chr13	28099537	28099537	+	3.75E-08	3.07015E-07	0.246454	hyper	sig	chr13_28099537
chr16	1872383	1872383	+	3.762E-08	3.07903E-07	0.229779	hyper	sig	chr16_1872383
chr8	57143370	57143370	+	3.765E-08	3.08163E-07	0.230013	hyper	sig	chr8_57143370
chr11	49560931	49560931	+	3.772E-08	3.08696E-07	0.213892	hyper	sig	chr11_49560931
chr3	1.72E+08	172447692	+	3.782E-08	3.0948E-07	0.228512	hyper	sig	chr3_172447692
chr13	70108300	70108300	+	3.797E-08	3.10705E-07	0.207823	hyper	sig	chr13_70108300
chr1	1.48E+08	148354597	+	3.826E-08	3.12969E-07	0.224977	hyper	sig	chr1_148354597
chr16	14635544	14635544	+	3.873E-08	3.16636E-07	-0.20062	hypo	sig	chr16_14635544
chr7	1.56E+08	156151324	+	3.953E-08	3.22892E-07	-0.2512	hypo	sig	chr7_156151324
chr19	35044189	35044189	+	3.999E-08	3.26454E-07	-0.23668	hypo	sig	chr19_35044189
chr7	1.55E+08	155070971	+	4.023E-08	3.28317E-07	0.243516	hyper	sig	chr7_155070971
chr2	97014202	97014202	+	4.032E-08	3.2901E-07	-0.24515	hypo	sig	chr2_97014202
chr7	98846740	98846740	+	4.057E-08	3.30996E-07	-0.27299	hypo	sig	chr7_98846740
chr9	1.27E+08	127122805	+	4.072E-08	3.32148E-07	0.22394	hyper	sig	chr9_127122805
chr19	11406429	11406429	+	4.086E-08	3.33264E-07	0.215413	hyper	sig	chr19_11406429
chr12	53938465	53938465	+	4.101E-08	3.34419E-07	0.232784	hyper	sig	chr12_53938465
chr19	3805898	3805898	+	4.117E-08	3.35642E-07	-0.20253	hypo	sig	chr19_3805898
chr11	46295910	46295910	+	4.138E-08	3.37314E-07	0.21465	hyper	sig	chr11_46295910
chr12	52232988	52232988	+	4.143E-08	3.37706E-07	0.232043	hyper	sig	chr12_52232988
chr8	1.43E+08	143426514	+	4.146E-08	3.37901E-07	0.202984	hyper	sig	chr8_143426514
chr3	1.71E+08	170586256	+	4.162E-08	3.39174E-07	0.200184	hyper	sig	chr3_170586256
chr17	35345725	35345725	+	4.171E-08	3.39876E-07	0.21089	hyper	sig	chr17_35345725
chr1	2.36E+08	235998960	+	4.184E-08	3.40868E-07	-0.21336	hypo	sig	chr1_235998960
chr17	49994392	49994392	+	4.231E-08	3.44487E-07	0.22587	hyper	sig	chr17_49994392
chr3	98594202	98594202	+	4.283E-08	3.48552E-07	-0.25482	hypo	sig	chr3_98594202
chr3	48273559	48273559	+	4.323E-08	3.51626E-07	-0.21408	hypo	sig	chr3_48273559
chr16	81442913	81442913	+	4.347E-08	3.53422E-07	-0.20474	hypo	sig	chr16_81442913

chr8	22704889	22704889	+	4.374E-08	3.55508E-07	0.220617	hyper	sig	chr8_22704889
chr2	2.35E+08	234513475	+	4.391E-08	3.56883E-07	-0.22302	hypo	sig	chr2_234513475
chr3	10992165	10992165	+	4.399E-08	3.57511E-07	0.217455	hyper	sig	chr3_10992165
chr20	26206272	26206272	+	4.408E-08	3.58166E-07	-0.20707	hypo	sig	chr20_26206272
chr7	1.56E+08	156151295	+	4.447E-08	3.6124E-07	-0.22415	hypo	sig	chr7_156151295
chr10	1.24E+08	124461554	+	4.455E-08	3.61869E-07	-0.27164	hypo	sig	chr10_124461554
chr16	57970644	57970644	+	4.512E-08	3.66211E-07	-0.21582	hypo	sig	chr16_57970644
chr20	46149365	46149365	+	4.522E-08	3.67026E-07	-0.21061	hypo	sig	chr20_46149365
chr12	33440183	33440183	+	4.547E-08	3.6891E-07	0.236159	hyper	sig	chr12_33440183
chr15	89360251	89360251	+	4.57E-08	3.70691E-07	0.21974	hyper	sig	chr15_89360251
chr7	1.55E+08	154913447	+	4.604E-08	3.73281E-07	-0.22043	hypo	sig	chr7_154913447
chr7	1.12E+08	111563043	+	4.606E-08	3.73445E-07	-0.2353	hypo	sig	chr7_111563043
chr2	1.09E+08	109498939	+	4.652E-08	3.77031E-07	-0.24542	hypo	sig	chr2_109498939
chr1	2.03E+08	203272779	+	4.683E-08	3.79407E-07	-0.204	hypo	sig	chr1_203272779
chr11	1927643	1927643	+	4.726E-08	3.82733E-07	-0.21653	hypo	sig	chr11_1927643
chr17	40931345	40931345	+	4.728E-08	3.82845E-07	-0.22622	hypo	sig	chr17_40931345
chr19	47573442	47573442	+	4.732E-08	3.83145E-07	0.257531	hyper	sig	chr19_47573442
chr16	88203194	88203194	+	4.742E-08	3.83909E-07	-0.21168	hypo	sig	chr16_88203194
chr16	29157487	29157487	+	4.757E-08	3.85057E-07	-0.20142	hypo	sig	chr16_29157487
chr2	27260032	27260032	+	4.784E-08	3.87188E-07	-0.21794	hypo	sig	chr2_27260032
chr12	65278426	65278426	+	4.821E-08	3.90017E-07	0.231145	hyper	sig	chr12_65278426
chr6	41208791	41208791	+	4.827E-08	3.90468E-07	-0.21589	hypo	sig	chr6_41208791
chr10	1.33E+08	133332841	+	4.831E-08	3.90799E-07	-0.21466	hypo	sig	chr10_133332841
chr14	50007463	50007463	+	4.844E-08	3.91762E-07	-0.2453	hypo	sig	chr14_50007463
chr9	1.19E+08	119369153	+	4.881E-08	3.94598E-07	0.209701	hyper	sig	chr9_119369153
chr10	70283754	70283754	+	4.902E-08	3.96262E-07	0.212091	hyper	sig	chr10_70283754
chr12	1.19E+08	118774587	+	4.911E-08	3.96944E-07	0.219123	hyper	sig	chr12_118774587
chr3	10990266	10990266	+	4.926E-08	3.9809E-07	-0.20142	hypo	sig	chr3_10990266
chr6	43276207	43276207	+	4.95E-08	3.99922E-07	-0.22911	hypo	sig	chr6_43276207
chr2	1.2E+08	120332514	+	4.964E-08	4.0099E-07	-0.20555	hypo	sig	chr2_120332514
chr12	30201542	30201542	+	4.993E-08	4.03179E-07	0.21533	hyper	sig	chr12_30201542
chr7	98846787	98846787	+	4.997E-08	4.03522E-07	-0.2094	hypo	sig	chr7_98846787
chr19	57095792	57095792	+	5.014E-08	4.04787E-07	-0.21022	hypo	sig	chr19_57095792
chr8	72251484	72251484	+	5.035E-08	4.06382E-07	0.202422	hyper	sig	chr8_72251484
chr1	1.12E+08	112465850	+	5.039E-08	4.06674E-07	-0.23757	hypo	sig	chr1_112465850
chr19	1799869	1799869	+	5.069E-08	4.09033E-07	-0.21203	hypo	sig	chr19_1799869
chr7	4862068	4862068	+	5.11E-08	4.12242E-07	0.211106	hyper	sig	chr7_4862068
chr2	42102319	42102319	+	5.114E-08	4.12486E-07	0.200537	hyper	sig	chr2_42102319
chr7	1.35E+08	134891640	+	5.166E-08	4.16542E-07	0.226539	hyper	sig	chr7_134891640
chr14	59633097	59633097	+	5.2E-08	4.19116E-07	-0.24883	hypo	sig	chr14_59633097
chr12	1.08E+08	107581548	+	5.218E-08	4.20476E-07	0.208508	hyper	sig	chr12_107581548
chr20	40909687	40909687	+	5.223E-08	4.20868E-07	-0.28255	hypo	sig	chr20_40909687
chr4	1.6E+08	160482009	+	5.306E-08	4.27243E-07	-0.22177	hypo	sig	chr4_160482009
chr7	44067099	44067099	+	5.337E-08	4.2959E-07	-0.20887	hypo	sig	chr7_44067099
chr2	46697939	46697939	+	5.339E-08	4.29718E-07	-0.23522	hypo	sig	chr2_46697939
chr19	22422040	22422040	+	5.371E-08	4.32158E-07	0.216172	hyper	sig	chr19_22422040
chr7	1645022	1645022	+	5.377E-08	4.32674E-07	-0.20836	hypo	sig	chr7_1645022
chr11	1.34E+08	134119606	+	5.389E-08	4.33565E-07	-0.23544	hypo	sig	chr11_134119606
chr7	1241896	1241896	+	5.485E-08	4.40934E-07	0.204318	hyper	sig	chr7_1241896
chr17	7041840	7041840	+	5.486E-08	4.41013E-07	-0.20292	hypo	sig	chr17_7041840
chr19	48740747	48740747	+	5.508E-08	4.42679E-07	-0.20425	hypo	sig	chr19_48740747
chr19	6709827	6709827	+	5.528E-08	4.44252E-07	-0.22015	hypo	sig	chr19_6709827
chr1	46491363	46491363	+	5.531E-08	4.44449E-07	0.206102	hyper	sig	chr1_46491363
chr1	12540213	12540213	+	5.546E-08	4.45603E-07	-0.2007	hypo	sig	chr1_12540213
chr9	35972173	35972173	+	5.549E-08	4.45812E-07	0.207634	hyper	sig	chr9_35972173
chr2	1E+08	100322822	+	5.612E-08	4.50594E-07	0.243355	hyper	sig	chr2_100322822

chr4	1.74E+08	173509853	+	5.621E-08	4.51274E-07	0.228773	hyper	sig	chr4_173509853
chr19	19549834	19549834	+	5.667E-08	4.548E-07	-0.24826	hypo	sig	chr19_19549834
chr14	60516122	60516122	+	5.669E-08	4.54991E-07	0.20499	hyper	sig	chr14_60516122
chr1	1.96E+08	195721841	+	5.669E-08	4.55E-07	-0.24777	hypo	sig	chr1_195721841
chr4	84496788	84496788	+	5.7E-08	4.57316E-07	0.203663	hyper	sig	chr4_84496788
chr8	38974287	38974287	+	5.729E-08	4.59498E-07	0.209314	hyper	sig	chr8_38974287
chr20	50008030	50008030	+	5.906E-08	4.72893E-07	-0.26181	hypo	sig	chr20_50008030
chr6	1.69E+08	169224742	+	5.968E-08	4.7757E-07	-0.20043	hypo	sig	chr6_169224742
chr5	1.13E+08	113435147	+	6.013E-08	4.80997E-07	-0.20787	hypo	sig	chr5_113435147
chr16	31569681	31569681	+	6.017E-08	4.81292E-07	0.227261	hyper	sig	chr16_31569681
chr6	34223271	34223271	+	6.059E-08	4.84441E-07	-0.20235	hypo	sig	chr6_34223271
chr15	58864847	58864847	+	6.079E-08	4.85995E-07	0.209934	hyper	sig	chr15_58864847
chr11	1.25E+08	125170581	+	6.114E-08	4.88671E-07	0.21176	hyper	sig	chr11_125170581
chr6	43276279	43276279	+	6.13E-08	4.89897E-07	-0.22967	hypo	sig	chr6_43276279
chr13	28099541	28099541	+	6.186E-08	4.94083E-07	0.251938	hyper	sig	chr13_28099541
chr19	11537537	11537537	+	6.319E-08	5.04304E-07	-0.257	hypo	sig	chr19_11537537
chr1	11102205	11102205	+	6.462E-08	5.15127E-07	-0.21947	hypo	sig	chr1_11102205
chr2	2.28E+08	227717293	+	6.503E-08	5.18243E-07	0.242276	hyper	sig	chr2_227717293
chr5	1290883	1290883	+	6.522E-08	5.19733E-07	-0.2231	hypo	sig	chr5_1290883
chr12	12927295	12927295	+	6.558E-08	5.22388E-07	-0.23572	hypo	sig	chr12_12927295
chr13	1.12E+08	112343932	+	6.596E-08	5.2529E-07	-0.25211	hypo	sig	chr13_112343932
chr20	2695937	2695937	+	6.749E-08	5.36823E-07	-0.24675	hypo	sig	chr20_2695937
chr2	2.35E+08	235382361	+	6.762E-08	5.37784E-07	-0.20117	hypo	sig	chr2_235382361
chr1	1.62E+08	161722165	+	6.787E-08	5.39641E-07	-0.2176	hypo	sig	chr1_161722165
chr2	2.4E+08	240324522	+	6.802E-08	5.40789E-07	-0.2078	hypo	sig	chr2_240324522
chr8	38770376	38770376	+	6.835E-08	5.4331E-07	0.228391	hyper	sig	chr8_38770376
chr10	1.33E+08	132784439	+	6.849E-08	5.44332E-07	0.210845	hyper	sig	chr10_132784439
chr9	98708042	98708042	+	6.859E-08	5.45061E-07	0.200242	hyper	sig	chr9_98708042
chr6	5850819	5850819	+	6.877E-08	5.46457E-07	0.201612	hyper	sig	chr6_5850819
chr17	45806493	45806493	+	6.881E-08	5.46755E-07	-0.20098	hypo	sig	chr17_45806493
chr12	98748419	98748419	+	6.89E-08	5.474E-07	-0.20716	hypo	sig	chr12_98748419
chr12	1.15E+08	114669554	+	6.97E-08	5.53515E-07	-0.20943	hypo	sig	chr12_114669554
chr22	45646023	45646023	+	6.978E-08	5.54061E-07	-0.22144	hypo	sig	chr22_45646023
chr11	46361429	46361429	+	6.987E-08	5.54762E-07	0.210503	hyper	sig	chr11_46361429
chr11	22433194	22433194	+	7.031E-08	5.58091E-07	0.227945	hyper	sig	chr11_22433194
chr8	57143379	57143379	+	7.085E-08	5.62151E-07	0.215458	hyper	sig	chr8_57143379
chr5	76954651	76954651	+	7.088E-08	5.62346E-07	0.215269	hyper	sig	chr5_76954651
chr19	41811469	41811469	+	7.097E-08	5.6303E-07	-0.2158	hypo	sig	chr19_41811469
chr19	56839063	56839063	+	7.129E-08	5.65387E-07	0.216727	hyper	sig	chr19_56839063
chr8	39108054	39108054	+	7.17E-08	5.68478E-07	-0.26774	hypo	sig	chr8_39108054
chr11	1.16E+08	115756725	+	7.246E-08	5.74259E-07	-0.21144	hypo	sig	chr11_115756725
chr16	68447632	68447632	+	7.281E-08	5.76834E-07	0.22982	hyper	sig	chr16_68447632
chr12	48184908	48184908	+	7.302E-08	5.78436E-07	0.205567	hyper	sig	chr12_48184908
chr5	1.77E+08	177383815	+	7.312E-08	5.79171E-07	-0.24433	hypo	sig	chr5_177383815
chr11	1.31E+08	130805380	+	7.314E-08	5.79295E-07	-0.21614	hypo	sig	chr11_130805380
chr7	1238694	1238694	+	7.316E-08	5.79468E-07	0.205447	hyper	sig	chr7_1238694
chr10	35604666	35604666	+	7.353E-08	5.82251E-07	-0.2209	hypo	sig	chr10_35604666
chr1	2.12E+08	211889576	+	7.366E-08	5.83223E-07	-0.20771	hypo	sig	chr1_211889576
chr7	5297198	5297198	+	7.381E-08	5.84246E-07	-0.20094	hypo	sig	chr7_5297198
chr10	68472706	68472706	+	7.486E-08	5.92148E-07	-0.25619	hypo	sig	chr10_68472706
chr3	26622058	26622058	+	7.487E-08	5.92186E-07	0.211028	hyper	sig	chr3_26622058
chr9	36169890	36169890	+	7.569E-08	5.98404E-07	-0.22035	hypo	sig	chr9_36169890
chr14	20623226	20623226	+	7.604E-08	6.0106E-07	0.250598	hyper	sig	chr14_20623226
chr7	95773440	95773440	+	7.628E-08	6.02846E-07	0.263793	hyper	sig	chr7_95773440
chr19	17097667	17097667	+	7.732E-08	6.10648E-07	-0.2064	hypo	sig	chr19_17097667
chr7	2932430	2932430	+	7.757E-08	6.12464E-07	-0.2068	hypo	sig	chr7_2932430

chr16	88334775	88334775	+	7.806E-08	6.16122E-07	-0.21396	hypo	sig	chr16_88334775
chr20	45972883	45972883	+	7.836E-08	6.18402E-07	-0.21245	hypo	sig	chr20_45972883
chr12	33439539	33439539	+	7.84E-08	6.18646E-07	0.24134	hyper	sig	chr12_33439539
chr1	1.57E+08	156641174	+	7.842E-08	6.188E-07	-0.21539	hypo	sig	chr1_156641174
chr11	67984775	67984775	+	7.888E-08	6.22329E-07	-0.24125	hypo	sig	chr11_67984775
chr7	90211056	90211056	+	7.9E-08	6.23174E-07	-0.25701	hypo	sig	chr7_90211056
chr3	55484460	55484460	+	7.911E-08	6.24023E-07	0.204811	hyper	sig	chr3_55484460
chr15	99019742	99019742	+	7.954E-08	6.27186E-07	-0.23854	hypo	sig	chr15_99019742
chr12	1.15E+08	114669508	+	7.969E-08	6.28337E-07	-0.2164	hypo	sig	chr12_114669508
chr1	1.15E+08	114855253	+	8.021E-08	6.32207E-07	0.23393	hyper	sig	chr1_114855253
chr20	49483340	49483340	+	8.087E-08	6.37277E-07	0.292486	hyper	sig	chr20_49483340
chr13	23392125	23392125	+	8.135E-08	6.40863E-07	-0.24585	hypo	sig	chr13_23392125
chr19	55287273	55287273	+	8.19E-08	6.44907E-07	-0.24784	hypo	sig	chr19_55287273
chr9	1.28E+08	127846655	+	8.197E-08	6.45424E-07	-0.23597	hypo	sig	chr9_127846655
chr2	88443140	88443140	+	8.198E-08	6.45519E-07	-0.20207	hypo	sig	chr2_88443140
chr1	11013751	11013751	+	8.207E-08	6.46148E-07	-0.20744	hypo	sig	chr1_11013751
chr13	28099568	28099568	+	8.253E-08	6.4959E-07	0.200182	hyper	sig	chr13_28099568
chr19	39308334	39308334	+	8.261E-08	6.50179E-07	0.202229	hyper	sig	chr19_39308334
chr3	1.26E+08	125990249	+	8.289E-08	6.52294E-07	0.210339	hyper	sig	chr3_125990249
chr13	1.12E+08	111945429	+	8.292E-08	6.52559E-07	-0.20091	hypo	sig	chr13_111945429
chr20	23747872	23747872	+	8.302E-08	6.53279E-07	-0.22132	hypo	sig	chr20_23747872
chr16	66974300	66974300	+	8.328E-08	6.55244E-07	-0.20793	hypo	sig	chr16_66974300
chr19	33211089	33211089	+	8.384E-08	6.59436E-07	-0.20026	hypo	sig	chr19_33211089
chr3	1.72E+08	172447681	+	8.387E-08	6.59608E-07	0.222769	hyper	sig	chr3_172447681
chr7	1.54E+08	153887710	+	8.478E-08	6.6638E-07	0.212917	hyper	sig	chr7_153887710
chr22	37018003	37018003	+	8.548E-08	6.71707E-07	-0.21397	hypo	sig	chr22_37018003
chr2	20106866	20106866	+	8.571E-08	6.73338E-07	0.213348	hyper	sig	chr2_20106866
chr3	1.98E+08	197520203	+	8.573E-08	6.73501E-07	-0.22098	hypo	sig	chr3_197520203
chr10	8037162	8037162	+	8.584E-08	6.74298E-07	0.244107	hyper	sig	chr10_8037162
chr13	64076762	64076762	+	8.716E-08	6.84136E-07	-0.26589	hypo	sig	chr13_64076762
chr6	1.08E+08	108166264	+	8.743E-08	6.86187E-07	0.20583	hyper	sig	chr6_108166264
chr10	78306945	78306945	+	8.825E-08	6.92387E-07	-0.20817	hypo	sig	chr10_78306945
chr1	13700881	13700881	+	8.914E-08	6.99074E-07	0.222554	hyper	sig	chr1_13700881
chr5	1.69E+08	169301232	+	9.019E-08	7.06792E-07	0.210161	hyper	sig	chr5_169301232
chr4	1.88E+08	187995830	+	9.179E-08	7.18593E-07	0.219575	hyper	sig	chr4_187995830
chr1	11898234	11898234	+	9.206E-08	7.20622E-07	0.242633	hyper	sig	chr1_11898234
chr4	99651792	99651792	+	9.275E-08	7.25665E-07	-0.27423	hypo	sig	chr4_99651792
chr12	54100762	54100762	+	9.298E-08	7.2732E-07	-0.22524	hypo	sig	chr12_54100762
chr3	50206497	50206497	+	9.339E-08	7.30384E-07	-0.22273	hypo	sig	chr3_50206497
chr17	43324454	43324454	+	9.369E-08	7.32613E-07	-0.21367	hypo	sig	chr17_43324454
chr8	1.42E+08	142335264	+	9.518E-08	7.4366E-07	-0.22377	hypo	sig	chr8_142335264
chr6	1.59E+08	158663025	+	9.56E-08	7.46855E-07	-0.20125	hypo	sig	chr6_158663025
chr9	1.05E+08	104928472	+	9.564E-08	7.4716E-07	0.202494	hyper	sig	chr9_104928472
chr3	27730441	27730441	+	9.674E-08	7.55278E-07	0.206086	hyper	sig	chr3_27730441
chr12	54373978	54373978	+	9.819E-08	7.66068E-07	-0.24648	hypo	sig	chr12_54373978
chr1	17149333	17149333	+	9.84E-08	7.67628E-07	0.208991	hyper	sig	chr1_17149333
chr20	35607549	35607549	+	9.857E-08	7.6882E-07	-0.24733	hypo	sig	chr20_35607549
chr4	41873506	41873506	+	9.877E-08	7.7036E-07	0.214501	hyper	sig	chr4_41873506
chr13	1.11E+08	110812698	+	9.883E-08	7.70761E-07	0.208036	hyper	sig	chr13_110812698
chr6	1.55E+08	154991424	+	9.889E-08	7.71214E-07	-0.20536	hypo	sig	chr6_154991424
chr2	2.39E+08	239483722	+	9.931E-08	7.74369E-07	-0.2186	hypo	sig	chr2_239483722
chr19	2292948	2292948	+	9.974E-08	7.77533E-07	-0.21075	hypo	sig	chr19_2292948
chr2	1.71E+08	170822883	+	1.004E-07	7.82397E-07	0.245045	hyper	sig	chr2_170822883
chr1	1.8E+08	179812630	+	1.005E-07	7.83182E-07	-0.23931	hypo	sig	chr1_179812630
chr10	81876850	81876850	+	1.006E-07	7.83763E-07	0.216288	hyper	sig	chr10_81876850
chr6	20239173	20239173	+	1.006E-07	7.83763E-07	-0.22208	hypo	sig	chr6_20239173

chr4	5704542	5704542	+	1.012E-07	7.88445E-07	-0.21153	hypo	sig	chr4_5704542
chr17	42979590	42979590	+	1.013E-07	7.88974E-07	-0.21763	hypo	sig	chr17_42979590
chr13	80360044	80360044	+	1.014E-07	7.8977E-07	-0.2089	hypo	sig	chr13_80360044
chr16	85212794	85212794	+	1.023E-07	7.96189E-07	-0.21353	hypo	sig	chr16_85212794
chr4	1.9E+08	189979968	+	1.027E-07	7.99506E-07	-0.25614	hypo	sig	chr4_189979968
chr20	38674879	38674879	+	1.033E-07	8.04162E-07	0.205249	hyper	sig	chr20_38674879
chr6	32224247	32224247	+	1.036E-07	8.06554E-07	-0.2182	hypo	sig	chr6_32224247
chr19	58350336	58350336	+	1.038E-07	8.07697E-07	0.242231	hyper	sig	chr19_58350336
chr8	23705991	23705991	+	1.038E-07	8.07782E-07	0.208546	hyper	sig	chr8_23705991
chr9	1.25E+08	124838914	+	1.064E-07	8.26611E-07	0.205716	hyper	sig	chr9_124838914
chr3	32593233	32593233	+	1.067E-07	8.29049E-07	-0.24069	hypo	sig	chr3_32593233
chr2	38960666	38960666	+	1.08E-07	8.39059E-07	0.20409	hyper	sig	chr2_38960666
chr1	69570188	69570188	+	1.082E-07	8.40389E-07	0.21489	hyper	sig	chr1_69570188
chr3	42264959	42264959	+	1.087E-07	8.43474E-07	0.208224	hyper	sig	chr3_42264959
chr4	1173416	1173416	+	1.098E-07	8.51666E-07	0.211916	hyper	sig	chr4_1173416
chr1	65149542	65149542	+	1.108E-07	8.59609E-07	0.20984	hyper	sig	chr1_65149542
chr13	1.02E+08	101919790	+	1.126E-07	8.72555E-07	0.216033	hyper	sig	chr13_101919790
chr1	17149358	17149358	+	1.127E-07	8.73221E-07	0.210417	hyper	sig	chr1_17149358
chr4	1.47E+08	146632949	+	1.13E-07	8.75508E-07	0.216176	hyper	sig	chr4_146632949
chr19	3823238	3823238	+	1.131E-07	8.76524E-07	-0.20457	hypo	sig	chr19_3823238
chr7	43119189	43119189	+	1.136E-07	8.79807E-07	-0.25721	hypo	sig	chr7_43119189
chr1	1.55E+08	155243835	+	1.155E-07	8.93767E-07	-0.20002	hypo	sig	chr1_155243835
chr16	48509833	48509833	+	1.158E-07	8.95897E-07	-0.22669	hypo	sig	chr16_48509833
chr4	1.74E+08	173509862	+	1.158E-07	8.96389E-07	0.214774	hyper	sig	chr4_173509862
chr20	9506513	9506513	+	1.16E-07	8.97763E-07	0.211163	hyper	sig	chr20_9506513
chr16	74368936	74368936	+	1.164E-07	9.00301E-07	-0.2038	hypo	sig	chr16_74368936
chr12	1.16E+08	115606305	+	1.178E-07	9.10594E-07	0.223526	hyper	sig	chr12_115606305
chr18	904477	904477	+	1.18E-07	9.11998E-07	0.20203	hyper	sig	chr18_904477
chr16	85746807	85746807	+	1.183E-07	9.14727E-07	-0.20998	hypo	sig	chr16_85746807
chr19	16327044	16327044	+	1.185E-07	9.15767E-07	0.201161	hyper	sig	chr19_16327044
chr7	35455050	35455050	+	1.187E-07	9.17503E-07	0.209905	hyper	sig	chr7_35455050
chr19	45915796	45915796	+	1.194E-07	9.22333E-07	-0.20214	hypo	sig	chr19_45915796
chr19	42698090	42698090	+	1.199E-07	9.25923E-07	0.210235	hyper	sig	chr19_42698090
chr10	70283708	70283708	+	1.207E-07	9.32046E-07	0.250347	hyper	sig	chr10_70283708
chr2	45170998	45170998	+	1.21E-07	9.33916E-07	0.218338	hyper	sig	chr2_45170998
chr9	35972197	35972197	+	1.212E-07	9.35434E-07	0.230659	hyper	sig	chr9_35972197
chr1	1.19E+08	118985607	+	1.216E-07	9.3865E-07	0.202113	hyper	sig	chr1_118985607
chr2	96788340	96788340	+	1.227E-07	9.46834E-07	-0.22475	hypo	sig	chr2_96788340
chr4	55347150	55347150	+	1.232E-07	9.5027E-07	-0.21363	hypo	sig	chr4_55347150
chr8	38974183	38974183	+	1.235E-07	9.52216E-07	0.202327	hyper	sig	chr8_38974183
chr19	11546285	11546285	+	1.241E-07	9.56914E-07	-0.218	hypo	sig	chr19_11546285
chr7	1.01E+08	101374049	+	1.241E-07	9.57061E-07	-0.21	hypo	sig	chr7_101374049
chr7	45572770	45572770	+	1.256E-07	9.6771E-07	-0.20035	hypo	sig	chr7_45572770
chr19	55462497	55462497	+	1.259E-07	9.69915E-07	-0.23053	hypo	sig	chr19_55462497
chr19	6479664	6479664	+	1.274E-07	9.80934E-07	-0.2163	hypo	sig	chr19_6479664
chr1	8027261	8027261	+	1.276E-07	9.82633E-07	-0.23176	hypo	sig	chr1_8027261
chr7	5895314	5895314	+	1.284E-07	9.88097E-07	-0.2494	hypo	sig	chr7_5895314
chr8	56316068	56316068	+	1.3E-07	9.99727E-07	-0.25498	hypo	sig	chr8_56316068
chr7	6547238	6547238	+	1.311E-07	1.00782E-06	-0.22998	hypo	sig	chr7_6547238
chr7	1.38E+08	137844070	+	1.32E-07	1.0144E-06	-0.31275	hypo	sig	chr7_137844070
chr7	44145758	44145758	+	1.32E-07	1.015E-06	0.227861	hyper	sig	chr7_44145758
chr1	985225	985225	+	1.328E-07	1.02062E-06	-0.22183	hypo	sig	chr1_985225
chr17	78936198	78936198	+	1.333E-07	1.02384E-06	-0.26928	hypo	sig	chr17_78936198
chr2	3647632	3647632	+	1.338E-07	1.02777E-06	-0.2169	hypo	sig	chr2_3647632
chr10	1.24E+08	123972156	+	1.343E-07	1.03157E-06	0.215976	hyper	sig	chr10_123972156
chr7	31517017	31517017	+	1.344E-07	1.03232E-06	-0.20511	hypo	sig	chr7_31517017

chr16	3957884	3957884	+	1.354E-07	1.03985E-06	-0.27766	hypo	sig	chr16_3957884
chr22	41998378	41998378	+	1.355E-07	1.04051E-06	-0.20487	hypo	sig	chr22_41998378
chr17	40782108	40782108	+	1.374E-07	1.05371E-06	-0.22293	hypo	sig	chr17_40782108
chr7	90149939	90149939	+	1.393E-07	1.06798E-06	-0.22243	hypo	sig	chr7_90149939
chr11	20670623	20670623	+	1.397E-07	1.07119E-06	0.219116	hyper	sig	chr11_20670623
chr10	70295169	70295169	+	1.398E-07	1.07131E-06	-0.21594	hypo	sig	chr10_70295169
chr11	71615692	71615692	+	1.404E-07	1.07595E-06	-0.22819	hypo	sig	chr11_71615692
chr1	2.26E+08	225677367	+	1.407E-07	1.07821E-06	0.208464	hyper	sig	chr1_225677367
chr12	34218829	34218829	+	1.41E-07	1.08019E-06	0.202878	hyper	sig	chr12_34218829
chr2	2.33E+08	233061174	+	1.416E-07	1.08441E-06	-0.23808	hypo	sig	chr2_233061174
chr4	48484418	48484418	+	1.417E-07	1.08501E-06	0.208121	hyper	sig	chr4_48484418
chr16	54932809	54932809	+	1.425E-07	1.09087E-06	0.213963	hyper	sig	chr16_54932809
chr19	49527816	49527816	+	1.452E-07	1.11036E-06	0.205204	hyper	sig	chr19_49527816
chr3	1.21E+08	121078674	+	1.452E-07	1.11075E-06	-0.21022	hypo	sig	chr3_121078674
chr19	49527822	49527822	+	1.466E-07	1.12074E-06	0.208349	hyper	sig	chr19_49527822
chr2	85132731	85132731	+	1.475E-07	1.1273E-06	0.226749	hyper	sig	chr2_85132731
chr3	1.42E+08	141797707	+	1.479E-07	1.12996E-06	0.209021	hyper	sig	chr3_141797707
chr14	38210673	38210673	+	1.487E-07	1.13594E-06	0.201299	hyper	sig	chr14_38210673
chr17	78230041	78230041	+	1.492E-07	1.13954E-06	-0.22485	hypo	sig	chr17_78230041
chr2	1.62E+08	162240963	+	1.501E-07	1.14616E-06	-0.21899	hypo	sig	chr2_162240963
chr19	35355481	35355481	+	1.506E-07	1.1493E-06	-0.21303	hypo	sig	chr19_35355481
chr1	1.8E+08	179812741	+	1.52E-07	1.15973E-06	-0.20297	hypo	sig	chr1_179812741
chr1	46620778	46620778	+	1.534E-07	1.16959E-06	-0.22665	hypo	sig	chr1_46620778
chr20	46011669	46011669	+	1.538E-07	1.17227E-06	0.224332	hyper	sig	chr20_46011669
chr7	73312721	73312721	+	1.543E-07	1.17634E-06	-0.20134	hypo	sig	chr7_73312721
chr1	18108782	18108782	+	1.552E-07	1.1826E-06	0.223123	hyper	sig	chr1_18108782
chr1	9199856	9199856	+	1.561E-07	1.18911E-06	-0.21287	hypo	sig	chr1_9199856
chr15	1.01E+08	100880821	+	1.57E-07	1.1956E-06	0.206101	hyper	sig	chr15_100880821
chr16	84187726	84187726	+	1.574E-07	1.1983E-06	-0.20176	hypo	sig	chr16_84187726
chr7	45080413	45080413	+	1.591E-07	1.21111E-06	-0.25211	hypo	sig	chr7_45080413
chr19	12752692	12752692	+	1.61E-07	1.22433E-06	-0.20196	hypo	sig	chr19_12752692
chr11	1.3E+08	130000832	+	1.624E-07	1.23475E-06	-0.205	hypo	sig	chr11_130000832
chr2	2.16E+08	216362749	+	1.638E-07	1.24457E-06	-0.20375	hypo	sig	chr2_216362749
chr15	90185851	90185851	+	1.64E-07	1.24645E-06	-0.20974	hypo	sig	chr15_90185851
chr14	20623224	20623224	+	1.655E-07	1.25703E-06	0.245475	hyper	sig	chr14_20623224
chr8	97274644	97274644	+	1.663E-07	1.26295E-06	-0.20034	hypo	sig	chr8_97274644
chr20	46011874	46011874	+	1.676E-07	1.2723E-06	0.234295	hyper	sig	chr20_46011874
chr11	18209177	18209177	+	1.692E-07	1.28337E-06	0.210351	hyper	sig	chr11_18209177
chr22	19168688	19168688	+	1.698E-07	1.28788E-06	-0.20257	hypo	sig	chr22_19168688
chr3	53249675	53249675	+	1.726E-07	1.30827E-06	-0.23149	hypo	sig	chr3_53249675
chr19	2524017	2524017	+	1.733E-07	1.31281E-06	-0.22523	hypo	sig	chr19_2524017
chr8	38770361	38770361	+	1.744E-07	1.32114E-06	0.227455	hyper	sig	chr8_38770361
chr19	45952916	45952916	+	1.763E-07	1.33491E-06	0.214747	hyper	sig	chr19_45952916
chr7	27252558	27252558	+	1.772E-07	1.34131E-06	-0.25588	hypo	sig	chr7_27252558
chr7	1.59E+08	159233972	+	1.781E-07	1.34825E-06	-0.20164	hypo	sig	chr7_159233972
chr4	1709275	1709275	+	1.8E-07	1.36141E-06	-0.21313	hypo	sig	chr4_1709275
chr17	3659362	3659362	+	1.807E-07	1.3664E-06	-0.20921	hypo	sig	chr17_3659362
chr2	2.02E+08	201785341	+	1.818E-07	1.37435E-06	-0.25499	hypo	sig	chr2_201785341
chr17	3673638	3673638	+	1.821E-07	1.37623E-06	-0.20226	hypo	sig	chr17_3673638
chr1	19988510	19988510	+	1.845E-07	1.39337E-06	0.214307	hyper	sig	chr1_19988510
chr17	81920865	81920865	+	1.884E-07	1.4215E-06	0.213232	hyper	sig	chr17_81920865
chr2	20106877	20106877	+	1.912E-07	1.44186E-06	0.231257	hyper	sig	chr2_20106877
chr12	1.25E+08	124741258	+	1.932E-07	1.45631E-06	-0.20401	hypo	sig	chr12_124741258
chr2	45171003	45171003	+	1.993E-07	1.49989E-06	0.22273	hyper	sig	chr2_45171003
chr2	1.3E+08	129878111	+	2.009E-07	1.51099E-06	0.202267	hyper	sig	chr2_129878111
chr22	41998370	41998370	+	2.024E-07	1.52207E-06	-0.21145	hypo	sig	chr22_41998370

chr12	1.04E+08	104303901	+	2.028E-07	1.52477E-06	0.215714	hyper	sig	chr12_104303901
chr12	1.31E+08	130918239	+	2.046E-07	1.53751E-06	-0.20778	hypo	sig	chr12_130918239
chr10	1.01E+08	100707391	+	2.048E-07	1.53903E-06	-0.23791	hypo	sig	chr10_100707391
chr17	63882768	63882768	+	2.063E-07	1.54932E-06	-0.20548	hypo	sig	chr17_63882768
chr3	1.43E+08	142959021	+	2.065E-07	1.55086E-06	-0.22513	hypo	sig	chr3_142959021
chr12	63151003	63151003	+	2.082E-07	1.5632E-06	0.20109	hyper	sig	chr12_63151003
chr5	1290868	1290868	+	2.091E-07	1.56953E-06	-0.2164	hypo	sig	chr5_1290868
chr6	1.37E+08	137489575	+	2.107E-07	1.58076E-06	0.22016	hyper	sig	chr6_137489575
chr7	1.58E+08	157618235	+	2.112E-07	1.58435E-06	-0.20534	hypo	sig	chr7_157618235
chr12	1.08E+08	108218068	+	2.139E-07	1.60316E-06	-0.24696	hypo	sig	chr12_108218068
chr11	763587	763587	+	2.164E-07	1.62148E-06	-0.20555	hypo	sig	chr11_763587
chr1	24071236	24071236	+	2.18E-07	1.63218E-06	-0.23396	hypo	sig	chr1_24071236
chr1	2.02E+08	201828399	+	2.181E-07	1.63321E-06	-0.23927	hypo	sig	chr1_201828399
chr2	2.19E+08	219449764	+	2.193E-07	1.64179E-06	-0.20812	hypo	sig	chr2_219449764
chr17	38562031	38562031	+	2.193E-07	1.64215E-06	0.204255	hyper	sig	chr17_38562031
chr11	60699849	60699849	+	2.208E-07	1.65261E-06	-0.21449	hypo	sig	chr11_60699849
chr6	70282833	70282833	+	2.225E-07	1.66492E-06	0.204668	hyper	sig	chr6_70282833
chr9	21560365	21560365	+	2.257E-07	1.68709E-06	-0.21023	hypo	sig	chr9_21560365
chr20	9506421	9506421	+	2.263E-07	1.69142E-06	0.209878	hyper	sig	chr20_9506421
chr14	55241155	55241155	+	2.276E-07	1.70079E-06	0.220674	hyper	sig	chr14_55241155
chr19	38860179	38860179	+	2.292E-07	1.71259E-06	-0.22909	hypo	sig	chr19_38860179
chr20	49914007	49914007	+	2.296E-07	1.71511E-06	-0.20936	hypo	sig	chr20_49914007
chr6	28814270	28814270	+	2.298E-07	1.71617E-06	0.215291	hyper	sig	chr6_28814270
chr6	73704312	73704312	+	2.299E-07	1.71692E-06	-0.20887	hypo	sig	chr6_73704312
chr9	1.29E+08	129254101	+	2.3E-07	1.7181E-06	0.211961	hyper	sig	chr9_129254101
chr13	1.12E+08	112342605	+	2.311E-07	1.72582E-06	-0.21672	hypo	sig	chr13_112342605
chr17	7740819	7740819	+	2.337E-07	1.74437E-06	-0.2032	hypo	sig	chr17_7740819
chr2	26188793	26188793	+	2.348E-07	1.75165E-06	-0.20029	hypo	sig	chr2_26188793
chr8	76682792	76682792	+	2.358E-07	1.75859E-06	0.201991	hyper	sig	chr8_76682792
chr4	1.74E+08	173509858	+	2.359E-07	1.75966E-06	0.222067	hyper	sig	chr4_173509858
chr20	25470203	25470203	+	2.368E-07	1.76588E-06	-0.21225	hypo	sig	chr20_25470203
chr1	1.46E+08	146017974	+	2.379E-07	1.77381E-06	-0.20125	hypo	sig	chr1_146017974
chr20	25470218	25470218	+	2.385E-07	1.77775E-06	-0.21447	hypo	sig	chr20_25470218
chr12	1.04E+08	104303915	+	2.388E-07	1.77973E-06	0.225593	hyper	sig	chr12_104303915
chr2	1.49E+08	148553437	+	2.421E-07	1.80348E-06	-0.224	hypo	sig	chr2_148553437
chr2	70771309	70771309	+	2.451E-07	1.82409E-06	-0.22555	hypo	sig	chr2_70771309
chr3	39502347	39502347	+	2.465E-07	1.83418E-06	0.207099	hyper	sig	chr3_39502347
chr8	1.08E+08	108081194	+	2.481E-07	1.8455E-06	0.205625	hyper	sig	chr8_108081194
chr3	13934453	13934453	+	2.484E-07	1.84718E-06	-0.20139	hypo	sig	chr3_13934453
chr11	10451420	10451420	+	2.491E-07	1.85255E-06	-0.20443	hypo	sig	chr11_10451420
chr16	759721	759721	+	2.508E-07	1.86411E-06	-0.21894	hypo	sig	chr16_759721
chr2	25698309	25698309	+	2.523E-07	1.8753E-06	-0.20813	hypo	sig	chr2_25698309
chr19	15474660	15474660	+	2.554E-07	1.89657E-06	-0.20038	hypo	sig	chr19_15474660
chr6	35512911	35512911	+	2.554E-07	1.89663E-06	-0.22578	hypo	sig	chr6_35512911
chr13	1.07E+08	106530682	+	2.563E-07	1.90338E-06	-0.22658	hypo	sig	chr13_106530682
chr12	1.22E+08	122182125	+	2.569E-07	1.9073E-06	-0.20456	hypo	sig	chr12_122182125
chr7	32071450	32071450	+	2.571E-07	1.909E-06	0.206327	hyper	sig	chr7_32071450
chr2	2.28E+08	228182151	+	2.581E-07	1.91609E-06	0.210901	hyper	sig	chr2_228182151
chr22	19030360	19030360	+	2.584E-07	1.91763E-06	0.200256	hyper	sig	chr22_19030360
chr18	2843495	2843495	+	2.637E-07	1.95531E-06	-0.20275	hypo	sig	chr18_2843495
chr8	23706001	23706001	+	2.64E-07	1.95758E-06	0.208328	hyper	sig	chr8_23706001
chr9	1.07E+08	106500663	+	2.647E-07	1.96232E-06	-0.29088	hypo	sig	chr9_106500663
chr2	44997366	44997366	+	2.665E-07	1.97462E-06	-0.23789	hypo	sig	chr2_44997366
chr12	6478937	6478937	+	2.669E-07	1.97776E-06	-0.20346	hypo	sig	chr12_6478937
chr8	38974162	38974162	+	2.688E-07	1.99105E-06	0.213585	hyper	sig	chr8_38974162
chr18	57622600	57622600	+	2.692E-07	1.99351E-06	-0.20649	hypo	sig	chr18_57622600

chr6	20239182	20239182	+	2.694E-07	1.99524E-06	-0.21487	hypo	sig	chr6_20239182
chr7	1.35E+08	134891651	+	2.699E-07	1.99857E-06	0.229323	hyper	sig	chr7_134891651
chr19	16088132	16088132	+	2.702E-07	2.00052E-06	-0.20458	hypo	sig	chr19_16088132
chr22	45646025	45646025	+	2.703E-07	2.00116E-06	-0.21513	hypo	sig	chr22_45646025
chr19	42393097	42393097	+	2.71E-07	2.00599E-06	-0.22164	hypo	sig	chr19_42393097
chr17	78880245	78880245	+	2.724E-07	2.01587E-06	-0.2097	hypo	sig	chr17_78880245
chr8	90984977	90984977	+	2.75E-07	2.03421E-06	0.204475	hyper	sig	chr8_90984977
chr19	35533838	35533838	+	2.766E-07	2.0452E-06	0.21244	hyper	sig	chr19_35533838
chr22	45310836	45310836	+	2.783E-07	2.05787E-06	0.204601	hyper	sig	chr22_45310836
chr9	1.28E+08	128233615	+	2.794E-07	2.06529E-06	-0.20942	hypo	sig	chr9_128233615
chr21	44921389	44921389	+	2.795E-07	2.0663E-06	-0.23814	hypo	sig	chr21_44921389
chr2	29919979	29919979	+	2.806E-07	2.07353E-06	0.227434	hyper	sig	chr2_29919979
chr16	55652803	55652803	+	2.808E-07	2.07479E-06	-0.21312	hypo	sig	chr16_55652803
chr9	1.29E+08	129261477	+	2.825E-07	2.08694E-06	-0.23319	hypo	sig	chr9_129261477
chr19	40483860	40483860	+	2.875E-07	2.12148E-06	-0.21293	hypo	sig	chr19_40483860
chr20	46538973	46538973	+	2.876E-07	2.12194E-06	-0.24546	hypo	sig	chr20_46538973
chr12	34218820	34218820	+	2.878E-07	2.1237E-06	0.20138	hyper	sig	chr12_34218820
chr11	72653224	72653224	+	2.9E-07	2.139E-06	-0.21012	hypo	sig	chr11_72653224
chr19	53941174	53941174	+	2.905E-07	2.14218E-06	-0.20907	hypo	sig	chr19_53941174
chr10	1.02E+08	101844179	+	2.907E-07	2.14404E-06	0.201177	hyper	sig	chr10_101844179
chr1	11898247	11898247	+	2.91E-07	2.14596E-06	0.219371	hyper	sig	chr1_11898247
chr13	58714172	58714172	+	2.977E-07	2.193E-06	-0.21447	hypo	sig	chr13_58714172
chr13	76191233	76191233	+	2.998E-07	2.20708E-06	-0.29304	hypo	sig	chr13_76191233
chr4	1.47E+08	146640921	+	3.022E-07	2.22387E-06	0.213102	hyper	sig	chr4_146640921
chr3	87085990	87085990	+	3.048E-07	2.24179E-06	-0.22294	hypo	sig	chr3_87085990
chr1	2.42E+08	242059667	+	3.05E-07	2.24326E-06	-0.20038	hypo	sig	chr1_242059667
chr20	46011665	46011665	+	3.072E-07	2.25875E-06	0.222716	hyper	sig	chr20_46011665
chr7	74209307	74209307	+	3.093E-07	2.2736E-06	-0.20417	hypo	sig	chr7_74209307
chr20	46709181	46709181	+	3.106E-07	2.28239E-06	-0.21803	hypo	sig	chr20_46709181
chr2	44944165	44944165	+	3.106E-07	2.28248E-06	0.209229	hyper	sig	chr2_44944165
chr19	47573449	47573449	+	3.19E-07	2.3404E-06	0.227785	hyper	sig	chr19_47573449
chr12	3104633	3104633	+	3.217E-07	2.3598E-06	-0.21525	hypo	sig	chr12_3104633
chr19	42389507	42389507	+	3.219E-07	2.36071E-06	-0.20527	hypo	sig	chr19_42389507
chr1	10451796	10451796	+	3.249E-07	2.38188E-06	-0.20457	hypo	sig	chr1_10451796
chr12	30201533	30201533	+	3.265E-07	2.39303E-06	0.210405	hyper	sig	chr12_30201533
chr7	1E+08	100122240	+	3.265E-07	2.39311E-06	-0.20743	hypo	sig	chr7_100122240
chr11	1.29E+08	128685617	+	3.274E-07	2.39899E-06	0.212925	hyper	sig	chr11_128685617
chr6	1.08E+08	108111235	+	3.337E-07	2.44267E-06	-0.22588	hypo	sig	chr6_108111235
chr19	16327058	16327058	+	3.344E-07	2.44759E-06	0.215163	hyper	sig	chr19_16327058
chr1	6552161	6552161	+	3.349E-07	2.4514E-06	-0.22148	hypo	sig	chr1_6552161
chr16	71292976	71292976	+	3.43E-07	2.50692E-06	-0.20459	hypo	sig	chr16_71292976
chr5	1.46E+08	146337699	+	3.434E-07	2.5097E-06	0.2049	hyper	sig	chr5_146337699
chr19	16326924	16326924	+	3.51E-07	2.56277E-06	0.20358	hyper	sig	chr19_16326924
chr8	1.2E+08	119674805	+	3.517E-07	2.56762E-06	-0.23143	hypo	sig	chr8_119674805
chr21	46670596	46670596	+	3.637E-07	2.64954E-06	-0.22162	hypo	sig	chr21_46670596
chr2	2.17E+08	216636353	+	3.65E-07	2.65861E-06	-0.21422	hypo	sig	chr2_216636353
chr12	6826276	6826276	+	3.758E-07	2.73326E-06	-0.20118	hypo	sig	chr12_6826276
chr13	22897426	22897426	+	3.802E-07	2.76328E-06	-0.20526	hypo	sig	chr13_22897426
chr6	73315283	73315283	+	3.81E-07	2.76891E-06	0.222571	hyper	sig	chr6_73315283
chr7	1.55E+08	154794613	+	3.813E-07	2.77078E-06	0.230192	hyper	sig	chr7_154794613
chr7	5297661	5297661	+	3.814E-07	2.7715E-06	-0.21078	hypo	sig	chr7_5297661
chr20	58842866	58842866	+	3.818E-07	2.77461E-06	0.20094	hyper	sig	chr20_58842866
chr7	1.57E+08	157446499	+	3.967E-07	2.87694E-06	-0.22753	hypo	sig	chr7_157446499
chr1	2.05E+08	205445079	+	3.986E-07	2.88988E-06	-0.23241	hypo	sig	chr1_205445079
chr3	50322168	50322168	+	4.07E-07	2.94724E-06	-0.20838	hypo	sig	chr3_50322168
chr1	16532818	16532818	+	4.081E-07	2.955E-06	0.204651	hyper	sig	chr1_16532818

chr15	89356498	89356498	+	4.109E-07	2.97405E-06	-0.20296	hypo	sig	chr15_89356498
chr19	53907803	53907803	+	4.117E-07	2.97937E-06	0.252309	hyper	sig	chr19_53907803
chr8	42148630	42148630	+	4.226E-07	3.05467E-06	-0.24832	hypo	sig	chr8_42148630
chr1	1.62E+08	161723298	+	4.266E-07	3.08164E-06	-0.21451	hypo	sig	chr1_161723298
chr20	51023574	51023574	+	4.295E-07	3.10157E-06	0.209013	hyper	sig	chr20_51023574
chr11	65357056	65357056	+	4.333E-07	3.12701E-06	-0.24376	hypo	sig	chr11_65357056
chr19	41963479	41963479	+	4.399E-07	3.17261E-06	-0.21662	hypo	sig	chr19_41963479
chr19	52453811	52453811	+	4.399E-07	3.17267E-06	0.230385	hyper	sig	chr19_52453811
chr13	1.11E+08	110921849	+	4.414E-07	3.18266E-06	-0.22001	hypo	sig	chr13_110921849
chr11	64379449	64379449	+	4.444E-07	3.20294E-06	-0.20063	hypo	sig	chr11_64379449
chr3	1.83E+08	183427779	+	4.445E-07	3.20338E-06	0.228057	hyper	sig	chr3_183427779
chr2	87972985	87972985	+	4.5E-07	3.24133E-06	-0.2145	hypo	sig	chr2_87972985
chr9	1.31E+08	131260604	+	4.508E-07	3.24626E-06	-0.21794	hypo	sig	chr9_131260604
chr17	62663837	62663837	+	4.514E-07	3.25092E-06	-0.22728	hypo	sig	chr17_62663837
chr16	30009180	30009180	+	4.687E-07	3.36825E-06	-0.20405	hypo	sig	chr16_30009180
chr3	1.98E+08	197655737	+	4.724E-07	3.39377E-06	-0.20236	hypo	sig	chr3_197655737
chr20	23051475	23051475	+	4.764E-07	3.42072E-06	0.218267	hyper	sig	chr20_23051475
chr16	68447634	68447634	+	4.783E-07	3.4335E-06	0.213286	hyper	sig	chr16_68447634
chr16	843059	843059	+	4.898E-07	3.51155E-06	-0.2094	hypo	sig	chr16_843059
chr11	1.23E+08	122976495	+	4.946E-07	3.54393E-06	0.209404	hyper	sig	chr11_122976495
chr9	94996072	94996072	+	4.98E-07	3.56699E-06	-0.20157	hypo	sig	chr9_94996072
chr3	1.29E+08	128875897	+	4.993E-07	3.57599E-06	-0.2204	hypo	sig	chr3_128875897
chr4	9000014	9000014	+	5.085E-07	3.63794E-06	-0.29351	hypo	sig	chr4_9000014
chr6	1.59E+08	158532225	+	5.182E-07	3.70373E-06	-0.2554	hypo	sig	chr6_158532225
chr4	1.74E+08	173502508	+	5.253E-07	3.75255E-06	-0.20186	hypo	sig	chr4_173502508
chr11	3638537	3638537	+	5.297E-07	3.78178E-06	-0.21195	hypo	sig	chr11_3638537
chr19	41916684	41916684	+	5.3E-07	3.78414E-06	-0.24828	hypo	sig	chr19_41916684
chr2	2.27E+08	227320596	+	5.386E-07	3.84257E-06	-0.2046	hypo	sig	chr2_227320596
chr19	40402907	40402907	+	5.553E-07	3.95492E-06	-0.20473	hypo	sig	chr19_40402907
chr3	1.34E+08	134408761	+	5.599E-07	3.98578E-06	-0.22661	hypo	sig	chr3_134408761
chr19	52453818	52453818	+	5.637E-07	4.01076E-06	0.232065	hyper	sig	chr19_52453818
chr19	45804686	45804686	+	5.71E-07	4.06025E-06	-0.2124	hypo	sig	chr19_45804686
chr15	40486395	40486395	+	5.773E-07	4.10241E-06	-0.21617	hypo	sig	chr15_40486395
chr17	38672201	38672201	+	5.805E-07	4.12446E-06	-0.20081	hypo	sig	chr17_38672201
chr5	55222340	55222340	+	5.888E-07	4.18001E-06	0.222399	hyper	sig	chr5_55222340
chr15	22776299	22776299	+	5.892E-07	4.18253E-06	-0.20975	hypo	sig	chr15_22776299
chr10	25925605	25925605	+	5.91E-07	4.1948E-06	-0.24706	hypo	sig	chr10_25925605
chr7	1.12E+08	111563051	+	5.922E-07	4.20224E-06	-0.22967	hypo	sig	chr7_111563051
chr15	39933474	39933474	+	5.952E-07	4.22303E-06	-0.25205	hypo	sig	chr15_39933474
chr1	12540164	12540164	+	6.042E-07	4.28299E-06	-0.21681	hypo	sig	chr1_12540164
chr2	79909849	79909849	+	6.057E-07	4.29292E-06	-0.21977	hypo	sig	chr2_79909849
chr11	69890040	69890040	+	6.158E-07	4.35995E-06	0.203882	hyper	sig	chr11_69890040
chr7	1513808	1513808	+	6.311E-07	4.46301E-06	-0.203	hypo	sig	chr7_1513808
chr6	12749236	12749236	+	6.327E-07	4.47398E-06	0.207051	hyper	sig	chr6_12749236
chr12	1.11E+08	111396834	+	6.353E-07	4.49119E-06	-0.23355	hypo	sig	chr12_111396834
chr2	1230359	1230359	+	6.363E-07	4.49806E-06	-0.20041	hypo	sig	chr2_1230359
chr16	15948860	15948860	+	6.37E-07	4.50211E-06	-0.21577	hypo	sig	chr16_15948860
chr20	41339591	41339591	+	6.394E-07	4.51836E-06	-0.2311	hypo	sig	chr20_41339591
chr5	1.79E+08	178577228	+	6.404E-07	4.52465E-06	0.211369	hyper	sig	chr5_178577228
chr19	17461016	17461016	+	6.416E-07	4.53315E-06	-0.22406	hypo	sig	chr19_17461016
chr15	1.01E+08	101267279	+	6.431E-07	4.54254E-06	-0.23218	hypo	sig	chr15_101267279
chr17	78452424	78452424	+	6.493E-07	4.58392E-06	-0.21316	hypo	sig	chr17_78452424
chr21	34890599	34890599	+	6.659E-07	4.69519E-06	-0.2127	hypo	sig	chr21_34890599
chr10	75202790	75202790	+	6.696E-07	4.71966E-06	-0.20129	hypo	sig	chr10_75202790
chr13	64076785	64076785	+	6.745E-07	4.75164E-06	-0.24385	hypo	sig	chr13_64076785
chr1	50422457	50422457	+	6.809E-07	4.79368E-06	0.24338	hyper	sig	chr1_50422457

chr8	70035034	70035034	+	6.832E-07	4.80967E-06	0.219429	hyper	sig	chr8_70035034
chr10	68561797	68561797	+	6.842E-07	4.81564E-06	0.213936	hyper	sig	chr10_68561797
chr18	50339307	50339307	+	6.895E-07	4.85107E-06	-0.20322	hypo	sig	chr18_50339307
chr5	1.4E+08	140146361	+	6.914E-07	4.86421E-06	0.2097	hyper	sig	chr5_140146361
chr9	1.28E+08	128455273	+	7.183E-07	5.04271E-06	-0.21168	hypo	sig	chr9_128455273
chr15	78348216	78348216	+	7.229E-07	5.07343E-06	-0.20644	hypo	sig	chr15_78348216
chr17	48734040	48734040	+	7.532E-07	5.27447E-06	0.20002	hyper	sig	chr17_48734040
chr12	56951623	56951623	+	7.657E-07	5.35743E-06	-0.23227	hypo	sig	chr12_56951623
chr5	1.78E+08	177995722	+	7.66E-07	5.35952E-06	-0.23095	hypo	sig	chr5_177995722
chr19	10222533	10222533	+	7.663E-07	5.36133E-06	-0.20232	hypo	sig	chr19_10222533
chr7	1.55E+08	154794609	+	7.672E-07	5.36725E-06	0.218555	hyper	sig	chr7_154794609
chr15	58865313	58865313	+	7.776E-07	5.43695E-06	0.244205	hyper	sig	chr15_58865313
chr3	1.29E+08	128651389	+	7.796E-07	5.45014E-06	-0.21702	hypo	sig	chr3_128651389
chr19	16326922	16326922	+	7.884E-07	5.50772E-06	0.203779	hyper	sig	chr19_16326922
chr10	22476984	22476984	+	7.885E-07	5.50856E-06	0.20879	hyper	sig	chr10_22476984
chr7	27252490	27252490	+	7.889E-07	5.51105E-06	-0.23479	hypo	sig	chr7_27252490
chr22	17366476	17366476	+	8.022E-07	5.59968E-06	-0.25914	hypo	sig	chr22_17366476
chr10	2331882	2331882	+	8.074E-07	5.63399E-06	-0.21771	hypo	sig	chr10_2331882
chr6	1.26E+08	125533997	+	8.219E-07	5.72936E-06	0.245224	hyper	sig	chr6_125533997
chr19	10513570	10513570	+	8.22E-07	5.72992E-06	-0.21919	hypo	sig	chr19_10513570
chr9	38422553	38422553	+	8.281E-07	5.76977E-06	-0.21393	hypo	sig	chr9_38422553
chr6	31681968	31681968	+	8.336E-07	5.80637E-06	-0.23204	hypo	sig	chr6_31681968
chr10	1.22E+08	122457094	+	8.466E-07	5.89169E-06	-0.20409	hypo	sig	chr10_122457094
chr12	7639898	7639898	+	8.485E-07	5.90388E-06	-0.21291	hypo	sig	chr12_7639898
chr1	6034928	6034928	+	8.5E-07	5.91413E-06	-0.20668	hypo	sig	chr1_6034928
chr16	10180730	10180730	+	8.543E-07	5.94208E-06	0.278343	hyper	sig	chr16_10180730
chr16	54939256	54939256	+	8.6E-07	5.97914E-06	0.208235	hyper	sig	chr16_54939256
chr19	17998119	17998119	+	8.63E-07	5.99858E-06	-0.21234	hypo	sig	chr19_17998119
chr1	1.94E+08	194431481	+	8.777E-07	6.09614E-06	-0.22832	hypo	sig	chr1_194431481
chr13	23901229	23901229	+	8.805E-07	6.11407E-06	-0.29083	hypo	sig	chr13_23901229
chr7	47052774	47052774	+	9.048E-07	6.27237E-06	0.230303	hyper	sig	chr7_47052774
chr13	58503416	58503416	+	9.073E-07	6.28889E-06	-0.22874	hypo	sig	chr13_58503416
chr18	57622593	57622593	+	9.105E-07	6.30956E-06	-0.20513	hypo	sig	chr18_57622593
chr18	8718676	8718676	+	9.151E-07	6.3401E-06	-0.22343	hypo	sig	chr18_8718676
chr1	4712890	4712890	+	9.303E-07	6.44006E-06	-0.22263	hypo	sig	chr1_4712890
chr11	15118027	15118027	+	9.355E-07	6.47473E-06	-0.20769	hypo	sig	chr11_15118027
chr15	43302373	43302373	+	9.376E-07	6.48846E-06	-0.20863	hypo	sig	chr15_43302373
chr17	77136695	77136695	+	9.377E-07	6.48914E-06	-0.20419	hypo	sig	chr17_77136695
chr9	35972201	35972201	+	9.495E-07	6.56665E-06	0.211044	hyper	sig	chr9_35972201
chr8	55939779	55939779	+	9.532E-07	6.59048E-06	0.206848	hyper	sig	chr8_55939779
chr19	52453805	52453805	+	9.615E-07	6.64585E-06	0.214141	hyper	sig	chr19_52453805
chr5	1.78E+08	178206878	+	9.693E-07	6.69742E-06	-0.23002	hypo	sig	chr5_178206878
chr11	65833219	65833219	+	9.72E-07	6.71443E-06	0.210339	hyper	sig	chr11_65833219
chr19	52453823	52453823	+	1.002E-06	6.90829E-06	0.230141	hyper	sig	chr19_52453823
chr16	2019006	2019006	+	1.008E-06	6.94833E-06	-0.21652	hypo	sig	chr16_2019006
chr2	72088012	72088012	+	1.019E-06	7.01778E-06	-0.21541	hypo	sig	chr2_72088012
chr12	1.04E+08	104303906	+	1.019E-06	7.02298E-06	0.213493	hyper	sig	chr12_104303906
chr10	12128825	12128825	+	1.038E-06	7.1456E-06	-0.20589	hypo	sig	chr10_12128825
chr15	43302369	43302369	+	1.054E-06	7.24409E-06	-0.2017	hypo	sig	chr15_43302369
chr19	16326551	16326551	+	1.061E-06	7.29519E-06	0.216387	hyper	sig	chr19_16326551
chr16	563023	563023	+	1.073E-06	7.37061E-06	-0.20993	hypo	sig	chr16_563023
chr2	2.18E+08	218354943	+	1.084E-06	7.4387E-06	-0.20141	hypo	sig	chr2_218354943
chr11	65833212	65833212	+	1.088E-06	7.46821E-06	0.218852	hyper	sig	chr11_65833212
chr7	1.57E+08	157446492	+	1.094E-06	7.50359E-06	-0.21333	hypo	sig	chr7_157446492
chr1	2.05E+08	205226416	+	1.095E-06	7.51305E-06	-0.21632	hypo	sig	chr1_205226416
chr19	55493544	55493544	+	1.108E-06	7.59518E-06	-0.21423	hypo	sig	chr19_55493544

chr9	974795	974795	+	1.109E-06	7.60202E-06	0.212389	hyper	sig	chr9_974795
chr19	4303820	4303820	+	1.126E-06	7.71457E-06	-0.21135	hypo	sig	chr19_4303820
chr19	29728606	29728606	+	1.143E-06	7.82697E-06	-0.23103	hypo	sig	chr19_29728606
chr5	1.55E+08	154631916	+	1.151E-06	7.87468E-06	-0.22402	hypo	sig	chr5_154631916
chr20	38600866	38600866	+	1.178E-06	8.04812E-06	-0.22765	hypo	sig	chr20_38600866
chr15	78871680	78871680	+	1.186E-06	8.09939E-06	-0.21611	hypo	sig	chr15_78871680
chr5	1.46E+08	146337704	+	1.195E-06	8.16165E-06	0.200451	hyper	sig	chr5_146337704
chr14	23386696	23386696	+	1.207E-06	8.23608E-06	-0.20167	hypo	sig	chr14_23386696
chr12	1.08E+08	108346492	+	1.263E-06	8.59629E-06	-0.23205	hypo	sig	chr12_108346492
chr7	91892952	91892952	+	1.268E-06	8.62873E-06	-0.22108	hypo	sig	chr7_91892952
chr11	62688302	62688302	+	1.33E-06	9.02523E-06	0.239076	hyper	sig	chr11_62688302
chr11	763592	763592	+	1.379E-06	9.3379E-06	-0.20027	hypo	sig	chr11_763592
chr2	2189978	2189978	+	1.392E-06	9.42667E-06	-0.20084	hypo	sig	chr2_2189978
chr2	1.22E+08	121737945	+	1.421E-06	9.60909E-06	-0.20093	hypo	sig	chr2_121737945
chr6	32224204	32224204	+	1.425E-06	9.63019E-06	-0.21878	hypo	sig	chr6_32224204
chr1	10946396	10946396	+	1.439E-06	9.72273E-06	-0.21109	hypo	sig	chr1_10946396
chr16	89184698	89184698	+	1.447E-06	9.7732E-06	-0.21637	hypo	sig	chr16_89184698
chr11	12009552	12009552	+	1.448E-06	9.78229E-06	0.210914	hyper	sig	chr11_12009552
chr1	9538980	9538980	+	1.458E-06	9.84464E-06	-0.20965	hypo	sig	chr1_9538980
chr16	84315630	84315630	+	1.471E-06	9.92294E-06	-0.20787	hypo	sig	chr16_84315630
chr5	5146152	5146152	+	1.5E-06	1.01142E-05	-0.20709	hypo	sig	chr5_5146152
chr1	36126252	36126252	+	1.505E-06	1.0143E-05	-0.22042	hypo	sig	chr1_36126252
chr19	45232045	45232045	+	1.517E-06	1.02213E-05	-0.20237	hypo	sig	chr19_45232045
chr12	1.04E+08	104181390	+	1.521E-06	1.02413E-05	-0.21906	hypo	sig	chr12_104181390
chr2	1.29E+08	128537251	+	1.636E-06	1.09745E-05	-0.20249	hypo	sig	chr2_128537251
chr19	54313005	54313005	+	1.69E-06	1.13146E-05	-0.22813	hypo	sig	chr19_54313005
chr19	39303688	39303688	+	1.727E-06	1.15509E-05	-0.21253	hypo	sig	chr19_39303688
chr20	25083735	25083735	+	1.871E-06	1.24579E-05	0.220043	hyper	sig	chr20_25083735
chr10	1.01E+08	101225952	+	1.876E-06	1.24914E-05	0.204744	hyper	sig	chr10_101225952
chr2	2.27E+08	227320584	+	1.913E-06	1.27261E-05	-0.21282	hypo	sig	chr2_227320584
chr12	54222021	54222021	+	1.935E-06	1.28601E-05	-0.21525	hypo	sig	chr12_54222021
chr3	1.42E+08	141797659	+	1.938E-06	1.28789E-05	0.218471	hyper	sig	chr3_141797659
chr1	50422459	50422459	+	1.967E-06	1.30604E-05	0.240061	hyper	sig	chr1_50422459
chr9	63818446	63818446	+	2.011E-06	1.33428E-05	0.218479	hyper	sig	chr9_63818446
chr19	5792757	5792757	+	2.024E-06	1.34252E-05	-0.20521	hypo	sig	chr19_5792757
chr17	78936250	78936250	+	2.091E-06	1.38444E-05	-0.25503	hypo	sig	chr17_78936250
chr4	9762562	9762562	+	2.114E-06	1.39896E-05	-0.20319	hypo	sig	chr4_9762562
chr5	1962556	1962556	+	2.162E-06	1.42885E-05	-0.25437	hypo	sig	chr5_1962556
chr11	31800317	31800317	+	2.166E-06	1.4313E-05	0.218142	hyper	sig	chr11_31800317
chr16	21819449	21819449	+	2.207E-06	1.45717E-05	-0.21835	hypo	sig	chr16_21819449
chr15	89240177	89240177	+	2.245E-06	1.48068E-05	-0.20064	hypo	sig	chr15_89240177
chr7	27252485	27252485	+	2.284E-06	1.50509E-05	-0.21716	hypo	sig	chr7_27252485
chr8	54179309	54179309	+	2.291E-06	1.50928E-05	-0.20344	hypo	sig	chr8_54179309
chr1	2.26E+08	225899103	+	2.299E-06	1.51462E-05	-0.20528	hypo	sig	chr1_225899103
chr19	48268261	48268261	+	2.305E-06	1.51836E-05	-0.21108	hypo	sig	chr19_48268261
chr13	98173806	98173806	+	2.329E-06	1.53301E-05	0.206515	hyper	sig	chr13_98173806
chr9	63818434	63818434	+	2.38E-06	1.56434E-05	0.212291	hyper	sig	chr9_63818434
chr21	46670655	46670655	+	2.467E-06	1.61866E-05	-0.20782	hypo	sig	chr21_46670655
chr7	1E+08	100437130	+	2.517E-06	1.64892E-05	-0.21436	hypo	sig	chr7_100437130
chr19	8589899	8589899	+	2.532E-06	1.65844E-05	-0.20614	hypo	sig	chr19_8589899
chr10	1.2E+08	119541624	+	2.541E-06	1.66393E-05	0.203003	hyper	sig	chr10_119541624
chr11	1.12E+08	111911605	+	2.57E-06	1.68197E-05	-0.22773	hypo	sig	chr11_111911605
chr10	1.33E+08	133332824	+	2.585E-06	1.69146E-05	-0.20859	hypo	sig	chr10_133332824
chr12	1.25E+08	124921330	+	2.608E-06	1.7057E-05	-0.20071	hypo	sig	chr12_124921330
chr17	2052308	2052308	+	2.645E-06	1.7281E-05	-0.20376	hypo	sig	chr17_2052308
chr21	26572726	26572726	+	2.663E-06	1.73928E-05	0.201651	hyper	sig	chr21_26572726

chr19	19618239	19618239	+	2.685E-06	1.75278E-05	-0.21773	hypo	sig	chr19_19618239
chr3	1.39E+08	138593514	+	2.755E-06	1.79545E-05	-0.23696	hypo	sig	chr3_138593514
chr7	31516868	31516868	+	2.856E-06	1.8573E-05	-0.23944	hypo	sig	chr7_31516868
chr17	44569428	44569428	+	2.88E-06	1.87221E-05	-0.21468	hypo	sig	chr17_44569428
chr8	41735557	41735557	+	2.908E-06	1.88892E-05	-0.23119	hypo	sig	chr8_41735557
chr7	27252546	27252546	+	2.952E-06	1.91598E-05	-0.22139	hypo	sig	chr7_27252546
chr7	35538693	35538693	+	2.964E-06	1.92368E-05	-0.22023	hypo	sig	chr7_35538693
chr13	21919858	21919858	+	2.966E-06	1.92475E-05	-0.22555	hypo	sig	chr13_21919858
chr4	1.82E+08	182386668	+	2.987E-06	1.93747E-05	0.202223	hyper	sig	chr4_182386668
chr1	2.47E+08	247338126	+	3.085E-06	1.99754E-05	0.252218	hyper	sig	chr1_247338126
chr15	39933477	39933477	+	3.21E-06	2.07368E-05	-0.22204	hypo	sig	chr15_39933477
chr12	27021663	27021663	+	3.215E-06	2.07719E-05	-0.23308	hypo	sig	chr12_27021663
chr19	30262583	30262583	+	3.233E-06	2.08825E-05	-0.20427	hypo	sig	chr19_30262583
chr10	1.02E+08	102236025	+	3.243E-06	2.09395E-05	-0.24267	hypo	sig	chr10_102236025
chr1	37761383	37761383	+	3.277E-06	2.11472E-05	-0.20185	hypo	sig	chr1_37761383
chr19	46293160	46293160	+	3.309E-06	2.13416E-05	-0.213	hypo	sig	chr19_46293160
chr3	1.47E+08	147388464	+	3.376E-06	2.17562E-05	0.205924	hyper	sig	chr3_147388464
chr3	1381609	1381609	+	3.479E-06	2.23792E-05	-0.20632	hypo	sig	chr3_1381609
chr19	19618235	19618235	+	3.506E-06	2.25408E-05	-0.21784	hypo	sig	chr19_19618235
chr6	10384779	10384779	+	3.513E-06	2.25832E-05	0.2001	hyper	sig	chr6_10384779
chr16	1486556	1486556	+	3.52E-06	2.26271E-05	-0.23366	hypo	sig	chr16_1486556
chr19	53058388	53058388	+	3.565E-06	2.28974E-05	0.206003	hyper	sig	chr19_53058388
chr16	10178164	10178164	+	3.586E-06	2.30236E-05	-0.22865	hypo	sig	chr16_10178164
chr11	1943822	1943822	+	3.715E-06	2.38074E-05	-0.20948	hypo	sig	chr11_1943822
chr1	21817100	21817100	+	3.805E-06	2.43471E-05	-0.21784	hypo	sig	chr1_21817100
chr21	42352486	42352486	+	3.84E-06	2.45625E-05	-0.20289	hypo	sig	chr21_42352486
chr1	1.57E+08	156642313	+	3.871E-06	2.47462E-05	0.205097	hyper	sig	chr1_156642313
chr14	20623244	20623244	+	3.877E-06	2.47835E-05	0.219239	hyper	sig	chr14_20623244
chr12	1.11E+08	111369729	+	4.009E-06	2.55697E-05	-0.23162	hypo	sig	chr12_111369729
chr19	50666456	50666456	+	4.039E-06	2.57498E-05	0.205768	hyper	sig	chr19_50666456
chr5	1.51E+08	150845474	+	4.073E-06	2.59538E-05	-0.23824	hypo	sig	chr5_150845474
chr19	7864757	7864757	+	4.192E-06	2.66708E-05	-0.21446	hypo	sig	chr19_7864757
chr3	1.42E+08	141797663	+	4.204E-06	2.67388E-05	0.218135	hyper	sig	chr3_141797663
chr19	49534453	49534453	+	4.233E-06	2.69154E-05	0.202388	hyper	sig	chr19_49534453
chr12	1.21E+08	120716681	+	4.24E-06	2.69528E-05	-0.21322	hypo	sig	chr12_120716681
chr14	1.05E+08	104660892	+	4.253E-06	2.70324E-05	-0.20413	hypo	sig	chr14_104660892
chr12	48528714	48528714	+	4.353E-06	2.76272E-05	-0.20451	hypo	sig	chr12_48528714
chr4	75631128	75631128	+	4.405E-06	2.79363E-05	0.211388	hyper	sig	chr4_75631128
chr3	1.83E+08	183182182	+	4.484E-06	2.84074E-05	-0.20644	hypo	sig	chr3_183182182
chr1	1.56E+08	156284979	+	4.603E-06	2.91177E-05	-0.21626	hypo	sig	chr1_156284979
chr19	7743042	7743042	+	4.803E-06	3.03078E-05	-0.22997	hypo	sig	chr19_7743042
chr4	1.47E+08	146632931	+	4.822E-06	3.04165E-05	0.209436	hyper	sig	chr4_146632931
chr19	4579834	4579834	+	5.034E-06	3.16812E-05	-0.2098	hypo	sig	chr19_4579834
chr14	39174176	39174176	+	5.153E-06	3.2384E-05	-0.20668	hypo	sig	chr14_39174176
chr7	1E+08	100122236	+	5.16E-06	3.24248E-05	-0.20037	hypo	sig	chr7_100122236
chr20	46011661	46011661	+	5.184E-06	3.25673E-05	0.205482	hyper	sig	chr20_46011661
chr7	87935323	87935323	+	5.38E-06	3.372E-05	0.224582	hyper	sig	chr7_87935323
chr6	43276289	43276289	+	5.652E-06	3.53157E-05	-0.20549	hypo	sig	chr6_43276289
chr4	17781870	17781870	+	5.682E-06	3.54937E-05	0.222211	hyper	sig	chr4_17781870
chr1	1.52E+08	152191612	+	5.836E-06	3.63979E-05	-0.2244	hypo	sig	chr1_152191612
chr6	82363030	82363030	+	5.998E-06	3.73508E-05	0.221472	hyper	sig	chr6_82363030
chr7	45088646	45088646	+	6.001E-06	3.7364E-05	0.212824	hyper	sig	chr7_45088646
chr7	9620619	9620619	+	6.052E-06	3.76598E-05	-0.20495	hypo	sig	chr7_9620619
chr13	75549071	75549071	+	6.17E-06	3.83503E-05	-0.21031	hypo	sig	chr13_75549071
chr10	26647557	26647557	+	6.313E-06	3.91807E-05	-0.22777	hypo	sig	chr10_26647557
chr6	32148814	32148814	+	6.665E-06	4.12357E-05	0.210185	hyper	sig	chr6_32148814

chr9	974774	974774	+	6.939E-06	4.28308E-05	0.214799	hyper	sig	chr9_974774
chr1	12540133	12540133	+	7.039E-06	4.34179E-05	-0.21196	hypo	sig	chr1_12540133
chr6	695440	695440	+	7.04E-06	4.34202E-05	-0.24088	hypo	sig	chr6_695440
chr7	25032780	25032780	+	7.111E-06	4.38257E-05	-0.22773	hypo	sig	chr7_25032780
chr19	19618223	19618223	+	7.299E-06	4.4922E-05	-0.20549	hypo	sig	chr19_19618223
chr1	6177416	6177416	+	7.411E-06	4.55754E-05	-0.21442	hypo	sig	chr1_6177416
chr2	44801049	44801049	+	7.66E-06	4.70068E-05	0.209092	hyper	sig	chr2_44801049
chr17	38476370	38476370	+	7.677E-06	4.71027E-05	-0.2067	hypo	sig	chr17_38476370
chr1	1.56E+08	156284966	+	7.851E-06	4.81058E-05	-0.20603	hypo	sig	chr1_156284966
chr11	33014944	33014944	+	8.151E-06	4.9828E-05	-0.21531	hypo	sig	chr11_33014944
chr19	39323088	39323088	+	8.177E-06	4.99749E-05	-0.20106	hypo	sig	chr19_39323088
chr3	1.42E+08	141797657	+	8.3E-06	5.06771E-05	0.205835	hyper	sig	chr3_141797657
chr1	18099389	18099389	+	8.364E-06	5.10414E-05	-0.20288	hypo	sig	chr1_18099389
chr11	62688305	62688305	+	8.541E-06	5.20529E-05	0.211279	hyper	sig	chr11_62688305
chr16	49699243	49699243	+	8.586E-06	5.23164E-05	-0.20756	hypo	sig	chr16_49699243
chr17	49994376	49994376	+	8.748E-06	5.32369E-05	0.202849	hyper	sig	chr17_49994376
chr17	44528031	44528031	+	8.831E-06	5.37086E-05	-0.20347	hypo	sig	chr17_44528031
chr20	46011174	46011174	+	9.007E-06	5.47086E-05	0.203758	hyper	sig	chr20_46011174
chr7	1E+08	100463907	+	9.308E-06	5.64239E-05	-0.23713	hypo	sig	chr7_100463907
chr22	17366481	17366481	+	9.506E-06	5.75515E-05	-0.22107	hypo	sig	chr22_17366481
chr17	78880256	78880256	+	1E-05	6.03769E-05	-0.20106	hypo	sig	chr17_78880256
chr7	95773415	95773415	+	1.086E-05	6.52513E-05	0.2132	hyper	sig	chr7_95773415
chr16	15093293	15093293	+	1.15E-05	6.88169E-05	-0.20852	hypo	sig	chr16_15093293
chr20	20769728	20769728	+	1.2E-05	7.1613E-05	0.213061	hyper	sig	chr20_20769728
chr6	33275636	33275636	+	1.222E-05	7.2881E-05	-0.20478	hypo	sig	chr6_33275636
chr19	53907801	53907801	+	1.252E-05	7.45102E-05	0.216578	hyper	sig	chr19_53907801
chr12	33439565	33439565	+	1.339E-05	7.93892E-05	0.208238	hyper	sig	chr12_33439565
chr3	28240526	28240526	+	1.362E-05	8.06669E-05	-0.21585	hypo	sig	chr3_28240526
chr4	8999998	8999998	+	1.375E-05	8.1366E-05	-0.22655	hypo	sig	chr4_8999998
chr6	35512580	35512580	+	1.376E-05	8.14236E-05	-0.20939	hypo	sig	chr6_35512580
chr9	92098097	92098097	+	1.397E-05	8.25877E-05	-0.21331	hypo	sig	chr9_92098097
chr15	92572740	92572740	+	1.432E-05	8.45515E-05	-0.22368	hypo	sig	chr15_92572740
chr2	1.91E+08	191023356	+	1.435E-05	8.4717E-05	0.200667	hyper	sig	chr2_191023356
chr8	1.17E+08	116937398	+	1.486E-05	8.7577E-05	-0.24734	hypo	sig	chr8_116937398
chr3	1.67E+08	166976732	+	1.614E-05	9.46003E-05	-0.2008	hypo	sig	chr3_166976732
chr17	76943871	76943871	+	1.654E-05	9.68182E-05	-0.21337	hypo	sig	chr17_76943871
chr5	1.51E+08	150776218	+	1.669E-05	9.76237E-05	-0.21978	hypo	sig	chr5_150776218
chr11	1.12E+08	111911608	+	1.803E-05	0.000104964	-0.20882	hypo	sig	chr11_111911608
chr19	19618201	19618201	+	1.979E-05	0.000114564	-0.20479	hypo	sig	chr19_19618201
chr19	2154568	2154568	+	2.03E-05	0.000117289	-0.20684	hypo	sig	chr19_2154568
chr20	49321175	49321175	+	2.045E-05	0.000118113	-0.20392	hypo	sig	chr20_49321175
chr19	53162629	53162629	+	2.047E-05	0.000118195	-0.22432	hypo	sig	chr19_53162629
chr20	32745262	32745262	+	2.227E-05	0.000127869	-0.2287	hypo	sig	chr20_32745262
chr7	95773444	95773444	+	2.249E-05	0.000129043	0.205797	hyper	sig	chr7_95773444
chr5	17204361	17204361	+	2.501E-05	0.00014253	-0.21033	hypo	sig	chr5_17204361
chr19	41114272	41114272	+	2.667E-05	0.000151323	-0.23028	hypo	sig	chr19_41114272
chr7	95773421	95773421	+	2.677E-05	0.000151866	0.20776	hyper	sig	chr7_95773421
chr12	6912926	6912926	+	2.904E-05	0.00016387	-0.20041	hypo	sig	chr12_6912926
chr7	28182119	28182119	+	2.939E-05	0.000165718	-0.22536	hypo	sig	chr7_28182119
chr21	37220420	37220420	+	2.948E-05	0.000166176	0.207622	hyper	sig	chr21_37220420
chr4	8010715	8010715	+	2.985E-05	0.000168146	0.213118	hyper	sig	chr4_8010715
chr21	22818151	22818151	+	3.078E-05	0.000173049	-0.21649	hypo	sig	chr21_22818151
chr4	1.54E+08	153651802	+	3.143E-05	0.000176497	-0.23087	hypo	sig	chr4_153651802
chr17	44383004	44383004	+	3.545E-05	0.000197537	-0.20142	hypo	sig	chr17_44383004
chr6	33275614	33275614	+	3.743E-05	0.000207852	-0.212	hypo	sig	chr6_33275614
chr2	1.37E+08	136759423	+	4.09E-05	0.000225765	-0.20729	hypo	sig	chr2_136759423

chr3	1.31E+08	131361317	+	4.542E-05	0.000248904	-0.20014	hypo	sig	chr3_131361317
chr13	31101031	31101031	+	4.661E-05	0.000255045	-0.21674	hypo	sig	chr13_31101031
chr8	38728548	38728548	+	4.779E-05	0.000261039	0.203099	hyper	sig	chr8_38728548
chr19	16088144	16088144	+	4.86E-05	0.000265115	-0.22248	hypo	sig	chr19_16088144
chr7	6077170	6077170	+	5.03E-05	0.000273736	-0.23766	hypo	sig	chr7_6077170
chr3	78112890	78112890	+	5.101E-05	0.000277334	-0.20235	hypo	sig	chr3_78112890
chr14	21523280	21523280	+	5.278E-05	0.000286319	-0.20235	hypo	sig	chr14_21523280
chr3	48580447	48580447	+	5.781E-05	0.000311563	-0.20563	hypo	sig	chr3_48580447
chr12	1.12E+08	111766332	+	6.119E-05	0.000328409	-0.20452	hypo	sig	chr12_111766332
chr11	92868059	92868059	+	6.54E-05	0.000349409	-0.20553	hypo	sig	chr11_92868059
chr20	36466176	36466176	+	7.443E-05	0.000394181	-0.20545	hypo	sig	chr20_36466176
chr12	3590937	3590937	+	7.469E-05	0.000395441	-0.20251	hypo	sig	chr12_3590937
chr15	92652689	92652689	+	7.849E-05	0.00041408	-0.21884	hypo	sig	chr15_92652689
chr1	10415216	10415216	+	8.682E-05	0.000454726	-0.20871	hypo	sig	chr1_10415216
chr5	1.78E+08	178165690	+	9.721E-05	0.000505231	0.200425	hyper	sig	chr5_178165690
chr11	67573372	67573372	+	0.0001276	0.000650282	-0.20181	hypo	sig	chr11_67573372
chr1	1.58E+08	158348386	+	0.0001606	0.000804844	-0.20574	hypo	sig	chr1_158348386
chr3	1.67E+08	166976576	+	0.0001708	0.000851862	-0.21011	hypo	sig	chr3_166976576
chr16	84372056	84372056	+	0.0002204	0.001078293	0.225714	hyper	sig	chr16_84372056
chr7	90211117	90211117	+	0.0002532	0.001226094	-0.20357	hypo	sig	chr7_90211117
chr3	1.45E+08	145334258	+	0.000466	0.002150877	-0.20248	hypo	sig	chr3_145334258
chr1	8026904	8026904	+	0.0007694	0.003404307	-0.20482	hypo	sig	chr1_8026904

Table S4 Differentially methylated positions between colorectal cancer and normal contorls

chr	start	end	strand	pvalue	qvalue	meth.diff	status	sig	loc
chr6	31766613	31766613	+	3.01E-100	2.4408E-94	0.585528	hyper	sig	chr6_31766613
chr7	867155	867155	+	2.574E-98	1.0443E-92	0.566937	hyper	sig	chr7_867155
chr6	31766608	31766608	+	7.797E-91	2.1089E-85	0.564447	hyper	sig	chr6_31766608
chr7	867195	867195	+	5.404E-90	1.0962E-84	0.530249	hyper	sig	chr7_867195
chr1	1.44E+08	143904611	+	4.31E-89	6.9953E-84	0.530113	hyper	sig	chr1_143904611
chr1	47446320	47446320	+	3.75E-87	5.0716E-82	0.538742	hyper	sig	chr1_47446320
chr7	771854	771854	+	4.183E-86	4.8488E-81	0.458568	hyper	sig	chr7_771854
chr1	1006991	1006991	+	1.026E-85	1.0407E-80	-0.49943	hypo	sig	chr1_1006991
chr8	11982335	11982335	+	2.382E-85	2.1477E-80	-0.47723	hypo	sig	chr8_11982335
chr1	1.44E+08	143904609	+	1.591E-84	1.2908E-79	0.527992	hyper	sig	chr1_143904609
chr16	2130185	2130185	+	2.748E-84	2.0273E-79	0.496011	hyper	sig	chr16_2130185
chr11	47337489	47337489	+	1.95E-82	1.3186E-77	-0.61082	hypo	sig	chr11_47337489
chr16	87408023	87408023	+	4.211E-82	2.6287E-77	-0.48261	hypo	sig	chr16_87408023
chr7	1.03E+08	103153016	+	5.312E-82	3.079E-77	-0.57743	hypo	sig	chr7_103153016
chr1	2.35E+08	234963375	+	1.006E-81	5.1013E-77	-0.40659	hypo	sig	chr1_234963375
chr7	867145	867145	+	9.877E-82	5.1013E-77	0.513406	hyper	sig	chr7_867145
chr6	31766597	31766597	+	3.643E-81	1.7388E-76	0.529489	hyper	sig	chr6_31766597
chr11	47337492	47337492	+	8.589E-81	3.8718E-76	-0.60029	hypo	sig	chr11_47337492
chr6	30769349	30769349	+	1.295E-80	5.5326E-76	-0.59197	hypo	sig	chr6_30769349
chr13	27928484	27928484	+	1.868E-80	7.2179E-76	0.521752	hyper	sig	chr13_27928484
chr6	31766681	31766681	+	1.842E-80	7.2179E-76	0.50519	hyper	sig	chr6_31766681
chr8	11982255	11982255	+	2.49E-80	9.1852E-76	-0.4641	hypo	sig	chr8_11982255
chr13	24511531	24511531	+	3.418E-80	1.2059E-75	-0.42997	hypo	sig	chr13_24511531
chr17	61495640	61495640	+	5.155E-80	1.7428E-75	-0.53804	hypo	sig	chr17_61495640
chr1	1.44E+08	143904582	+	6.506E-80	2.1116E-75	0.495651	hyper	sig	chr1_143904582
chr2	2.01E+08	201125896	+	7.451E-80	2.3254E-75	-0.42093	hypo	sig	chr2_201125896
chr19	4556006	4556006	+	1.176E-79	3.535E-75	-0.57729	hypo	sig	chr19_4556006
chr6	31766528	31766528	+	1.364E-79	3.9517E-75	0.522656	hyper	sig	chr6_31766528
chr16	87408064	87408064	+	1.695E-79	4.7426E-75	-0.49064	hypo	sig	chr16_87408064
chr16	87407988	87407988	+	1.465E-78	3.9615E-74	-0.51459	hypo	sig	chr16_87407988
chr17	78592620	78592620	+	3.196E-78	8.3668E-74	-0.48064	hypo	sig	chr17_78592620
chr8	48408071	48408071	+	3.464E-78	8.7839E-74	-0.54935	hypo	sig	chr8_48408071
chr10	1.01E+08	101134684	+	1.112E-77	2.7338E-73	0.416824	hyper	sig	chr10_101134684
chr11	7576252	7576252	+	1.514E-77	3.6136E-73	-0.43599	hypo	sig	chr11_7576252
chr19	4556017	4556017	+	1.76E-77	4.0815E-73	-0.59073	hypo	sig	chr19_4556017
chr13	27924312	27924312	+	2.195E-77	4.9473E-73	0.56712	hyper	sig	chr13_27924312
chr7	1.03E+08	103153003	+	2.631E-77	5.7693E-73	-0.56086	hypo	sig	chr7_103153003
chr6	31766577	31766577	+	9.018E-77	1.9256E-72	0.517173	hyper	sig	chr6_31766577
chr1	1006988	1006988	+	9.707E-77	2.0196E-72	-0.46964	hypo	sig	chr1_1006988
chr6	31766589	31766589	+	3.671E-76	7.447E-72	0.52456	hyper	sig	chr6_31766589
chr13	27928482	27928482	+	5.281E-76	1.0452E-71	0.510333	hyper	sig	chr13_27928482
chr13	1.06E+08	106376537	+	1.644E-75	3.1543E-71	-0.43845	hypo	sig	chr13_106376537
chr7	771878	771878	+	1.672E-75	3.1543E-71	0.385355	hyper	sig	chr7_771878
chr1	2.26E+08	225817164	+	1.935E-75	3.5681E-71	0.50705	hyper	sig	chr1_225817164
chr13	27923954	27923954	+	3.302E-75	5.955E-71	0.542242	hyper	sig	chr13_27923954
chr11	47337494	47337494	+	5.703E-75	1.006E-70	-0.58105	hypo	sig	chr11_47337494
chr1	2.35E+08	234963373	+	6.587E-75	1.1372E-70	-0.383	hypo	sig	chr1_234963373
chr13	27924314	27924314	+	8.997E-75	1.521E-70	0.570797	hyper	sig	chr13_27924314
chr13	93227088	93227088	+	1.337E-74	2.214E-70	0.454679	hyper	sig	chr13_93227088
chr11	71206454	71206454	+	1.888E-74	3.0641E-70	0.492942	hyper	sig	chr11_71206454
chr13	1.06E+08	106376638	+	2.048E-74	3.2583E-70	-0.52736	hypo	sig	chr13_106376638
chr10	1.01E+08	101136811	+	2.113E-74	3.2975E-70	0.443552	hyper	sig	chr10_101136811
chr19	58440411	58440411	+	2.401E-74	3.6756E-70	0.423499	hyper	sig	chr19_58440411

chr13	1.11E+08	111423712	+	2.589E-74	3.8909E-70	-0.58309	hypo	sig	chr13_111423712
chr6	1.57E+08	156662181	+	2.952E-74	4.3546E-70	-0.51848	hypo	sig	chr6_156662181
chr7	27101496	27101496	+	8.794E-74	1.2742E-69	0.509054	hyper	sig	chr7_27101496
chr5	42953535	42953535	+	2.178E-73	3.1005E-69	0.54174	hyper	sig	chr5_42953535
chr14	1.01E+08	101022054	+	3.311E-73	4.6318E-69	-0.44318	hypo	sig	chr14_101022054
chr6	31766694	31766694	+	3.419E-73	4.7024E-69	0.481223	hyper	sig	chr6_31766694
chr13	27928493	27928493	+	3.587E-73	4.8514E-69	0.512133	hyper	sig	chr13_27928493
chr7	867142	867142	+	4.948E-73	6.5825E-69	0.499446	hyper	sig	chr7_867142
chr16	85196945	85196945	+	6.571E-73	8.6001E-69	0.544641	hyper	sig	chr16_85196945
chr15	43239872	43239872	+	7.163E-73	9.2249E-69	-0.46619	hypo	sig	chr15_43239872
chr7	867126	867126	+	7.276E-73	9.2249E-69	0.521776	hyper	sig	chr7_867126
chr13	36151894	36151894	+	7.968E-73	9.9465E-69	-0.49584	hypo	sig	chr13_36151894
chr19	4555987	4555987	+	9.121E-73	1.1214E-68	-0.56683	hypo	sig	chr19_4555987
chr6	1.49E+08	149485195	+	1.367E-72	1.656E-68	-0.38193	hypo	sig	chr6_149485195
chr6	31766671	31766671	+	1.791E-72	2.1367E-68	0.483709	hyper	sig	chr6_31766671
chr16	87408035	87408035	+	2.116E-72	2.4889E-68	-0.45114	hypo	sig	chr16_87408035
chr7	1.03E+08	103152964	+	2.415E-72	2.7999E-68	-0.5443	hypo	sig	chr7_103152964
chr13	27924301	27924301	+	2.833E-72	3.2376E-68	0.562131	hyper	sig	chr13_27924301
chr13	1.11E+08	111423701	+	2.97E-72	3.3477E-68	-0.55629	hypo	sig	chr13_111423701
chr17	64779427	64779427	+	3.328E-72	3.6991E-68	0.445756	hyper	sig	chr17_64779427
chr1	47446306	47446306	+	4.146E-72	4.5458E-68	0.513844	hyper	sig	chr1_47446306
chr8	1.28E+08	127795817	+	5.313E-72	5.7486E-68	-0.47718	hypo	sig	chr8_127795817
chr13	1.11E+08	111423689	+	5.387E-72	5.7521E-68	-0.54554	hypo	sig	chr13_111423689
chr16	87408053	87408053	+	7.639E-72	8.0501E-68	-0.47964	hypo	sig	chr16_87408053
chr1	2.35E+08	234963404	+	1.142E-71	1.1877E-67	-0.33714	hypo	sig	chr1_234963404
chr5	1.77E+08	177493310	+	1.182E-71	1.2144E-67	0.480646	hyper	sig	chr5_177493310
chr6	31766583	31766583	+	1.435E-71	1.4559E-67	0.508115	hyper	sig	chr6_31766583
chr1	2.35E+08	234963366	+	1.577E-71	1.5798E-67	-0.37195	hypo	sig	chr1_234963366
chr6	1.57E+08	156662197	+	2.835E-71	2.772E-67	-0.51729	hypo	sig	chr6_156662197
chr7	4767289	4767289	+	2.834E-71	2.772E-67	0.402007	hyper	sig	chr7_4767289
chr17	40093279	40093279	+	6.869E-71	6.6353E-67	0.377148	hyper	sig	chr17_40093279
chr11	47337534	47337534	+	7.153E-71	6.8289E-67	-0.54271	hypo	sig	chr11_47337534
chr13	27927723	27927723	+	8.394E-71	7.8285E-67	0.531686	hyper	sig	chr13_27927723
chr16	4006390	4006390	+	8.37E-71	7.8285E-67	0.496831	hyper	sig	chr16_4006390
chr16	2130166	2130166	+	9.739E-71	8.9807E-67	0.456626	hyper	sig	chr16_2130166
chr13	27927726	27927726	+	1.544E-70	1.3919E-66	0.519521	hyper	sig	chr13_27927726
chr6	31766624	31766624	+	1.529E-70	1.3919E-66	0.480018	hyper	sig	chr6_31766624
chr2	23620873	23620873	+	2.318E-70	2.0669E-66	0.507927	hyper	sig	chr2_23620873
chr11	94769709	94769709	+	2.43E-70	2.1434E-66	0.454775	hyper	sig	chr11_94769709
chr6	31766523	31766523	+	3.538E-70	3.0866E-66	0.465041	hyper	sig	chr6_31766523
chr6	1.49E+08	149485608	+	4.203E-70	3.6285E-66	-0.44815	hypo	sig	chr6_149485608
chr1	47446301	47446301	+	5.289E-70	4.5177E-66	0.502824	hyper	sig	chr1_47446301
chr3	1.28E+08	128084825	+	5.491E-70	4.5931E-66	0.508539	hyper	sig	chr3_128084825
chr7	74002858	74002858	+	5.437E-70	4.5931E-66	-0.44353	hypo	sig	chr7_74002858
chr16	2130194	2130194	+	6.186E-70	5.1217E-66	0.474057	hyper	sig	chr16_2130194
chr1	15758335	15758335	+	6.468E-70	5.3013E-66	0.514625	hyper	sig	chr1_15758335
chr17	78592642	78592642	+	6.682E-70	5.4225E-66	-0.50397	hypo	sig	chr17_78592642
chr19	4555999	4555999	+	7.272E-70	5.842E-66	-0.55638	hypo	sig	chr19_4555999
chr2	1.6E+08	159905111	+	9.592E-70	7.6309E-66	-0.35753	hypo	sig	chr2_159905111
chr1	10672420	10672420	+	1.072E-69	8.4484E-66	0.500518	hyper	sig	chr1_10672420
chr13	1.11E+08	111423669	+	1.084E-69	8.4556E-66	-0.53171	hypo	sig	chr13_111423669
chr6	1.49E+08	149485603	+	1.241E-69	9.588E-66	-0.44004	hypo	sig	chr6_149485603
chr16	87407991	87407991	+	1.339E-69	1.0249E-65	-0.47928	hypo	sig	chr16_87407991
chr6	32855109	32855109	+	1.435E-69	1.0886E-65	-0.46716	hypo	sig	chr6_32855109
chr12	1.32E+08	132287249	+	1.941E-69	1.4582E-65	-0.48692	hypo	sig	chr12_132287249
chr5	55222917	55222917	+	2.627E-69	1.9555E-65	0.417427	hyper	sig	chr5_55222917

chr1	2.21E+08	220895457	+	2.697E-69	1.9898E-65	0.445163	hyper	sig	chr1_220895457
chr7	4767364	4767364	+	2.881E-69	2.1063E-65	0.401215	hyper	sig	chr7_4767364
chr2	26342931	26342931	+	3.582E-69	2.5953E-65	-0.46895	hypo	sig	chr2_26342931
chr13	1.13E+08	112843680	+	3.775E-69	2.7105E-65	0.406313	hyper	sig	chr13_112843680
chr2	27308295	27308295	+	4.092E-69	2.9126E-65	0.469062	hyper	sig	chr2_27308295
chr6	30112412	30112412	+	6.598E-69	4.6553E-65	-0.48943	hypo	sig	chr6_30112412
chr16	67944295	67944295	+	7.554E-69	5.2842E-65	0.532173	hyper	sig	chr16_67944295
chr11	47337523	47337523	+	7.957E-69	5.5185E-65	-0.55528	hypo	sig	chr11_47337523
chr19	58440423	58440423	+	8.327E-69	5.7261E-65	0.392419	hyper	sig	chr19_58440423
chr19	58440407	58440407	+	8.844E-69	6.0305E-65	0.375579	hyper	sig	chr19_58440407
chr14	95227491	95227491	+	1.054E-68	7.125E-65	0.401372	hyper	sig	chr14_95227491
chr22	31104443	31104443	+	1.286E-68	8.6217E-65	0.530056	hyper	sig	chr22_31104443
chr13	27924297	27924297	+	1.311E-68	8.7203E-65	0.570831	hyper	sig	chr13_27924297
chr8	86671904	86671904	+	1.646E-68	1.0859E-64	-0.44795	hypo	sig	chr8_86671904
chr7	78023117	78023117	+	2.404E-68	1.5731E-64	-0.4484	hypo	sig	chr7_78023117
chr19	4556026	4556026	+	2.949E-68	1.9141E-64	-0.59222	hypo	sig	chr19_4556026
chr4	48675496	48675496	+	4.266E-68	2.7472E-64	-0.52652	hypo	sig	chr4_48675496
chr13	1.14E+08	114005234	+	4.914E-68	3.1398E-64	-0.52912	hypo	sig	chr13_114005234
chr11	1.18E+08	117987302	+	6.54E-68	4.1347E-64	-0.48426	hypo	sig	chr11_117987302
chr17	40093275	40093275	+	6.573E-68	4.1347E-64	0.470007	hyper	sig	chr17_40093275
chr19	57591305	57591305	+	7.035E-68	4.3913E-64	-0.43178	hypo	sig	chr19_57591305
chr11	314360	314360	+	9.03E-68	5.5933E-64	-0.29591	hypo	sig	chr11_314360
chr8	1.44E+08	143944906	+	9.522E-68	5.8532E-64	0.413772	hyper	sig	chr8_143944906
chr16	87408083	87408083	+	1.133E-67	6.9121E-64	-0.47484	hypo	sig	chr16_87408083
chr7	771753	771753	+	1.237E-67	7.4901E-64	0.455246	hyper	sig	chr7_771753
chr6	31766651	31766651	+	1.281E-67	7.7023E-64	0.46864	hyper	sig	chr6_31766651
chr4	1.84E+08	183723485	+	1.486E-67	8.8654E-64	-0.36702	hypo	sig	chr4_183723485
chr13	93227093	93227093	+	1.809E-67	1.0715E-63	0.441612	hyper	sig	chr13_93227093
chr6	1.57E+08	156662129	+	1.826E-67	1.0738E-63	-0.55009	hypo	sig	chr6_156662129
chr22	31104428	31104428	+	2.097E-67	1.2242E-63	0.499145	hyper	sig	chr22_31104428
chr10	1.01E+08	101136796	+	2.343E-67	1.3581E-63	0.43267	hyper	sig	chr10_101136796
chr9	1.21E+08	120894943	+	2.626E-67	1.5114E-63	0.464956	hyper	sig	chr9_120894943
chr7	87599492	87599492	+	3.011E-67	1.7204E-63	-0.43024	hypo	sig	chr7_87599492
chr16	70726003	70726003	+	3.114E-67	1.755E-63	0.504565	hyper	sig	chr16_70726003
chr7	867112	867112	+	3.106E-67	1.755E-63	0.507468	hyper	sig	chr7_867112
chr19	45767161	45767161	+	3.857E-67	2.1584E-63	0.46677	hyper	sig	chr19_45767161
chr13	27924295	27924295	+	5.785E-67	3.2153E-63	0.571162	hyper	sig	chr13_27924295
chr16	87407962	87407962	+	6.036E-67	3.3317E-63	-0.50112	hypo	sig	chr16_87407962
chr8	48408036	48408036	+	6.289E-67	3.4483E-63	-0.49089	hypo	sig	chr8_48408036
chr6	1.49E+08	149484945	+	6.933E-67	3.7755E-63	-0.38487	hypo	sig	chr6_149484945
chr5	1.69E+08	168827754	+	8.603E-67	4.6541E-63	-0.48103	hypo	sig	chr5_168827754
chr13	93227050	93227050	+	9.49E-67	5.0995E-63	0.484448	hyper	sig	chr13_93227050
chr16	85620594	85620594	+	9.735E-67	5.1972E-63	-0.43425	hypo	sig	chr16_85620594
chr19	3399050	3399050	+	1.084E-66	5.7488E-63	0.45755	hyper	sig	chr19_3399050
chr3	1.84E+08	184337591	+	1.206E-66	6.3568E-63	0.462556	hyper	sig	chr3_184337591
chr8	1.41E+08	141245257	+	1.229E-66	6.4343E-63	-0.42594	hypo	sig	chr8_141245257
chr6	31766518	31766518	+	1.947E-66	1.0126E-62	0.453943	hyper	sig	chr6_31766518
chr15	71125608	71125608	+	2.267E-66	1.1719E-62	0.538424	hyper	sig	chr15_71125608
chr11	269375	269375	+	2.395E-66	1.23E-62	-0.48636	hypo	sig	chr11_269375
chr10	1.01E+08	101134651	+	2.538E-66	1.2954E-62	0.399269	hyper	sig	chr10_101134651
chr13	1.11E+08	111423649	+	2.995E-66	1.5188E-62	-0.53639	hypo	sig	chr13_111423649
chr8	1.44E+08	143944899	+	3.214E-66	1.6198E-62	0.417949	hyper	sig	chr8_143944899
chr11	1.18E+08	117987326	+	4.331E-66	2.1692E-62	-0.51576	hypo	sig	chr11_117987326
chr8	11877926	11877926	+	5.064E-66	2.5207E-62	-0.47141	hypo	sig	chr8_11877926
chr2	1.08E+08	107536331	+	5.281E-66	2.613E-62	-0.4958	hypo	sig	chr2_107536331
chr17	64779435	64779435	+	5.462E-66	2.6864E-62	0.453132	hyper	sig	chr17_64779435

chr7	867199	867199	+	6.464E-66	3.1597E-62	0.476369	hyper	sig	chr7_867199
chr15	71125606	71125606	+	7.345E-66	3.5687E-62	0.542516	hyper	sig	chr15_71125606
chr6	31766515	31766515	+	7.963E-66	3.846E-62	0.45866	hyper	sig	chr6_31766515
chr7	4767360	4767360	+	8.193E-66	3.9338E-62	0.40379	hyper	sig	chr7_4767360
chr17	61495652	61495652	+	8.392E-66	4.0056E-62	-0.47824	hypo	sig	chr17_61495652
chr15	85137942	85137942	+	9.072E-66	4.3051E-62	0.415913	hyper	sig	chr15_85137942
chr17	47719528	47719528	+	1.036E-65	4.8889E-62	-0.45239	hypo	sig	chr17_47719528
chr10	1.01E+08	101134632	+	1.128E-65	5.2921E-62	0.375574	hyper	sig	chr10_101134632
chr5	172855	172855	+	1.408E-65	6.5645E-62	-0.50429	hypo	sig	chr5_172855
chr1	2305006	2305006	+	1.535E-65	7.1162E-62	0.441009	hyper	sig	chr1_2305006
chr15	85413700	85413700	+	1.76E-65	8.1131E-62	-0.41462	hypo	sig	chr15_85413700
chr7	29874748	29874748	+	2.027E-65	9.2942E-62	-0.50343	hypo	sig	chr7_29874748
chr16	70726028	70726028	+	2.096E-65	9.553E-62	0.45892	hyper	sig	chr16_70726028
chr7	1.37E+08	136871446	+	2.519E-65	1.1389E-61	0.468016	hyper	sig	chr7_136871446
chr9	2623682	2623682	+	2.526E-65	1.1389E-61	0.44903	hyper	sig	chr9_2623682
chr16	87408010	87408010	+	3.012E-65	1.3501E-61	-0.45823	hypo	sig	chr16_87408010
chr13	27924810	27924810	+	3.199E-65	1.4265E-61	0.576605	hyper	sig	chr13_27924810
chr13	1.01E+08	101416873	+	4.676E-65	2.0734E-61	0.421946	hyper	sig	chr13_101416873
chr7	1.13E+08	113084619	+	5.537E-65	2.4418E-61	-0.45613	hypo	sig	chr7_113084619
chr7	1.5E+08	150341437	+	5.896E-65	2.5861E-61	0.523423	hyper	sig	chr7_150341437
chr3	49902951	49902951	+	5.935E-65	2.5891E-61	-0.47035	hypo	sig	chr3_49902951
chr13	93227065	93227065	+	5.973E-65	2.592E-61	0.451651	hyper	sig	chr13_93227065
chr2	2016165	2016165	+	6.091E-65	2.629E-61	-0.45126	hypo	sig	chr2_2016165
chr3	49901288	49901288	+	7.251E-65	3.1131E-61	-0.4067	hypo	sig	chr3_49901288
chr11	3000806	3000806	+	9.332E-65	3.9856E-61	0.439011	hyper	sig	chr11_3000806
chr17	75646378	75646378	+	1.049E-64	4.4562E-61	-0.46457	hypo	sig	chr17_75646378
chr9	2623653	2623653	+	1.237E-64	5.229E-61	0.433081	hyper	sig	chr9_2623653
chr8	48466973	48466973	+	1.422E-64	5.9788E-61	-0.58139	hypo	sig	chr8_48466973
chr8	22641255	22641255	+	1.475E-64	6.1679E-61	0.416448	hyper	sig	chr8_22641255
chr8	42499123	42499123	+	1.657E-64	6.8963E-61	0.486074	hyper	sig	chr8_42499123
chr8	1.28E+08	127795771	+	1.694E-64	7.012E-61	-0.45196	hypo	sig	chr8_127795771
chr7	867162	867162	+	2.114E-64	8.706E-61	0.474561	hyper	sig	chr7_867162
chr5	6349432	6349432	+	2.309E-64	9.4642E-61	-0.52452	hypo	sig	chr5_6349432
chr11	1.29E+08	128757385	+	2.826E-64	1.1525E-60	-0.46231	hypo	sig	chr11_128757385
chr19	43774399	43774399	+	3.116E-64	1.2644E-60	0.471766	hyper	sig	chr19_43774399
chr12	1.31E+08	131000149	+	3.139E-64	1.2674E-60	-0.40208	hypo	sig	chr12_131000149
chr1	35560983	35560983	+	3.166E-64	1.2719E-60	0.51336	hyper	sig	chr1_35560983
chr4	48675482	48675482	+	3.206E-64	1.2814E-60	-0.50555	hypo	sig	chr4_48675482
chr8	48889413	48889413	+	3.271E-64	1.3013E-60	-0.51551	hypo	sig	chr8_48889413
chr4	7650208	7650208	+	3.449E-64	1.3596E-60	-0.50736	hypo	sig	chr4_7650208
chr6	31766440	31766440	+	3.452E-64	1.3596E-60	0.478224	hyper	sig	chr6_31766440
chr13	27924310	27924310	+	4.519E-64	1.7714E-60	0.52615	hyper	sig	chr13_27924310
chr7	1.5E+08	150341444	+	4.797E-64	1.8715E-60	0.524002	hyper	sig	chr7_150341444
chr11	1152497	1152497	+	4.96E-64	1.9258E-60	-0.41521	hypo	sig	chr11_1152497
chr7	27106801	27106801	+	5.076E-64	1.9612E-60	0.513444	hyper	sig	chr7_27106801
chr2	1.28E+08	128470030	+	5.136E-64	1.9751E-60	-0.42991	hypo	sig	chr2_128470030
chr6	1.57E+08	156662148	+	6.339E-64	2.4262E-60	-0.49536	hypo	sig	chr6_156662148
chr11	47337481	47337481	+	8.218E-64	3.1307E-60	-0.56058	hypo	sig	chr11_47337481
chr6	1.57E+08	156662138	+	9.078E-64	3.442E-60	-0.52885	hypo	sig	chr6_156662138
chr6	32855088	32855088	+	1.338E-63	5.0506E-60	-0.43045	hypo	sig	chr6_32855088
chr20	54471778	54471778	+	1.42E-63	5.334E-60	-0.45212	hypo	sig	chr20_54471778
chr2	7031867	7031867	+	1.57E-63	5.8698E-60	-0.41164	hypo	sig	chr2_7031867
chr7	85185862	85185862	+	1.784E-63	6.6389E-60	0.377963	hyper	sig	chr7_85185862
chr3	50165455	50165455	+	1.826E-63	6.7656E-60	0.480604	hyper	sig	chr3_50165455
chr1	2.28E+08	227775165	+	1.84E-63	6.7862E-60	0.472521	hyper	sig	chr1_227775165
chr5	32734850	32734850	+	1.902E-63	6.9841E-60	-0.49699	hypo	sig	chr5_32734850

chr20	38728198	38728198	+	2.765E-63	1.0108E-59	0.518108	hyper	sig	chr20_38728198
chr7	19107673	19107673	+	2.854E-63	1.0385E-59	0.324509	hyper	sig	chr7_19107673
chr8	66432701	66432701	+	2.935E-63	1.063E-59	0.456918	hyper	sig	chr8_66432701
chr8	1.41E+08	141358216	+	3.415E-63	1.2316E-59	0.366778	hyper	sig	chr8_141358216
chr4	48675490	48675490	+	3.435E-63	1.2335E-59	-0.5169	hypo	sig	chr4_48675490
chr16	85196984	85196984	+	3.673E-63	1.313E-59	0.485191	hyper	sig	chr16_85196984
chr13	27928422	27928422	+	4.684E-63	1.6669E-59	0.499986	hyper	sig	chr13_27928422
chr2	23620871	23620871	+	5.192E-63	1.8396E-59	0.483388	hyper	sig	chr2_23620871
chr7	1.03E+08	103152941	+	5.234E-63	1.8467E-59	-0.53234	hypo	sig	chr7_103152941
chr8	1.44E+08	143574101	+	5.307E-63	1.8643E-59	-0.48315	hypo	sig	chr8_143574101
chr7	27101469	27101469	+	5.341E-63	1.8679E-59	0.467595	hyper	sig	chr7_27101469
chr6	1.49E+08	149485203	+	6.932E-63	2.4141E-59	-0.34573	hypo	sig	chr6_149485203
chr19	18479038	18479038	+	8.45E-63	2.9302E-59	-0.38256	hypo	sig	chr19_18479038
chr13	27924908	27924908	+	8.527E-63	2.9444E-59	0.556899	hyper	sig	chr13_27924908
chr11	2708899	2708899	+	9.723E-63	3.3429E-59	0.453943	hyper	sig	chr11_2708899
chr16	87407922	87407922	+	1.01E-62	3.457E-59	-0.50896	hypo	sig	chr16_87407922
chr6	1.57E+08	156662125	+	1.12E-62	3.8192E-59	-0.54297	hypo	sig	chr6_156662125
chr7	1.01E+08	100865770	+	1.139E-62	3.8675E-59	-0.56912	hypo	sig	chr7_100865770
chr6	1.49E+08	149485176	+	1.303E-62	4.4039E-59	-0.3022	hypo	sig	chr6_149485176
chr1	2.26E+08	225897424	+	1.565E-62	5.2677E-59	-0.46426	hypo	sig	chr1_225897424
chr6	1.33E+08	133242258	+	1.618E-62	5.4241E-59	0.420689	hyper	sig	chr6_133242258
chr6	1.68E+08	167678501	+	1.679E-62	5.6068E-59	0.443391	hyper	sig	chr6_167678501
chr15	59993547	59993547	+	1.74E-62	5.7861E-59	0.504067	hyper	sig	chr15_59993547
chr11	65356101	65356101	+	1.805E-62	5.9798E-59	0.4535	hyper	sig	chr11_65356101
chr13	1.01E+08	101416862	+	1.937E-62	6.389E-59	0.407991	hyper	sig	chr13_101416862
chr16	69564424	69564424	+	1.975E-62	6.4871E-59	-0.40911	hypo	sig	chr16_69564424
chr16	15859617	15859617	+	2.26E-62	7.3958E-59	0.491849	hyper	sig	chr16_15859617
chr20	62063782	62063782	+	2.332E-62	7.5993E-59	0.496348	hyper	sig	chr20_62063782
chr3	1.7E+08	169822741	+	3.409E-62	1.1064E-58	-0.54889	hypo	sig	chr3_169822741
chr12	1.33E+08	132904934	+	3.63E-62	1.1735E-58	0.388669	hyper	sig	chr12_132904934
chr17	78853052	78853052	+	3.789E-62	1.2201E-58	-0.40547	hypo	sig	chr17_78853052
chr13	1.06E+08	106376555	+	4.281E-62	1.3729E-58	-0.45884	hypo	sig	chr13_106376555
chr1	2305011	2305011	+	4.6E-62	1.4639E-58	0.422904	hyper	sig	chr1_2305011
chr1	15758263	15758263	+	4.595E-62	1.4639E-58	0.422011	hyper	sig	chr1_15758263
chr1	47446284	47446284	+	4.887E-62	1.5491E-58	0.47112	hyper	sig	chr1_47446284
chr1	1007062	1007062	+	5.462E-62	1.718E-58	-0.44439	hypo	sig	chr1_1007062
chr1	2.35E+08	234963398	+	5.455E-62	1.718E-58	-0.31706	hypo	sig	chr1_234963398
chr11	504899	504899	+	6.729E-62	2.1002E-58	0.434151	hyper	sig	chr11_504899
chr7	771864	771864	+	6.714E-62	2.1002E-58	0.440021	hyper	sig	chr7_771864
chr15	43239887	43239887	+	7.035E-62	2.1872E-58	-0.4455	hypo	sig	chr15_43239887
chr6	1.49E+08	149485596	+	7.569E-62	2.3443E-58	-0.43109	hypo	sig	chr6_149485596
chr13	93227074	93227074	+	7.895E-62	2.4358E-58	0.435743	hyper	sig	chr13_93227074
chr7	8442669	8442669	+	8.257E-62	2.538E-58	0.428981	hyper	sig	chr7_8442669
chr1	37478670	37478670	+	1.033E-61	3.1642E-58	-0.43348	hypo	sig	chr1_37478670
chr3	1.28E+08	128084813	+	1.224E-61	3.7335E-58	0.489782	hyper	sig	chr3_128084813
chr13	27924778	27924778	+	1.318E-61	4.0048E-58	0.527038	hyper	sig	chr13_27924778
chr7	666067	666067	+	1.326E-61	4.0142E-58	0.453151	hyper	sig	chr7_666067
chr11	47337654	47337654	+	1.4E-61	4.2242E-58	-0.47962	hypo	sig	chr11_47337654
chr3	1.7E+08	169822723	+	1.411E-61	4.2416E-58	-0.5547	hypo	sig	chr3_169822723
chr13	27924094	27924094	+	1.452E-61	4.3373E-58	0.545207	hyper	sig	chr13_27924094
chr4	1.84E+08	184268164	+	1.454E-61	4.3373E-58	-0.51307	hypo	sig	chr4_184268164
chr1	2.35E+08	234978589	+	1.465E-61	4.3545E-58	-0.43917	hypo	sig	chr1_234978589
chr10	1.01E+08	101136867	+	1.86E-61	5.5069E-58	0.401751	hyper	sig	chr10_101136867
chr6	1.49E+08	149484941	+	2.215E-61	6.5363E-58	-0.36668	hypo	sig	chr6_149484941
chr11	1.35E+08	134913610	+	2.456E-61	7.2216E-58	-0.44299	hypo	sig	chr11_134913610
chr9	1.23E+08	123339071	+	2.603E-61	7.6258E-58	-0.49805	hypo	sig	chr9_123339071

chr6	1.68E+08	167678510	+	3.001E-61	8.7608E-58	0.432024	hyper	sig	chr6_167678510
chr7	4767352	4767352	+	3.353E-61	9.7523E-58	0.408946	hyper	sig	chr7_4767352
chr5	6349445	6349445	+	3.418E-61	9.9049E-58	-0.51265	hypo	sig	chr5_6349445
chr10	1.01E+08	101136789	+	4.462E-61	1.2886E-57	0.408281	hyper	sig	chr10_101136789
chr6	1E+08	100464248	+	5.825E-61	1.6762E-57	0.392813	hyper	sig	chr6_100464248
chr6	1.69E+08	169188714	+	5.961E-61	1.7091E-57	-0.45399	hypo	sig	chr6_169188714
chr3	1.7E+08	169822716	+	7.166E-61	2.0476E-57	-0.55594	hypo	sig	chr3_169822716
chr11	94769713	94769713	+	8.236E-61	2.3449E-57	0.422185	hyper	sig	chr11_94769713
chr5	43039490	43039490	+	8.684E-61	2.4639E-57	-0.32686	hypo	sig	chr5_43039490
chr11	45858179	45858179	+	8.884E-61	2.5119E-57	0.459583	hyper	sig	chr11_45858179
chr11	1.18E+08	117987275	+	1.003E-60	2.8175E-57	-0.42464	hypo	sig	chr11_117987275
chr13	93227108	93227108	+	1.003E-60	2.8175E-57	0.427337	hyper	sig	chr13_93227108
chr2	27308423	27308423	+	1.011E-60	2.828E-57	0.441295	hyper	sig	chr2_27308423
chr13	93227082	93227082	+	1.037E-60	2.8711E-57	0.39593	hyper	sig	chr13_93227082
chr22	31104431	31104431	+	1.036E-60	2.8711E-57	0.49022	hyper	sig	chr22_31104431
chr4	1.84E+08	184268147	+	1.036E-60	2.8711E-57	-0.53362	hypo	sig	chr4_184268147
chr12	95548163	95548163	+	1.154E-60	3.1849E-57	0.35959	hyper	sig	chr12_95548163
chr7	4767318	4767318	+	1.184E-60	3.2569E-57	0.392851	hyper	sig	chr7_4767318
chr12	1.33E+08	132904958	+	1.341E-60	3.6757E-57	0.39058	hyper	sig	chr12_132904958
chr10	1.01E+08	101136732	+	1.362E-60	3.72E-57	0.419885	hyper	sig	chr10_101136732
chr6	1.68E+08	167678550	+	1.415E-60	3.8522E-57	0.423591	hyper	sig	chr6_167678550
chr8	1.44E+08	144074392	+	1.506E-60	4.0857E-57	-0.42791	hypo	sig	chr8_144074392
chr8	49911018	49911018	+	1.56E-60	4.2205E-57	0.414905	hyper	sig	chr8_49911018
chr16	85620597	85620597	+	1.603E-60	4.322E-57	-0.42424	hypo	sig	chr16_85620597
chr19	43774476	43774476	+	1.734E-60	4.6578E-57	0.492371	hyper	sig	chr19_43774476
chr13	93227048	93227048	+	1.771E-60	4.7437E-57	0.472654	hyper	sig	chr13_93227048
chr3	45167701	45167701	+	1.786E-60	4.7681E-57	-0.30845	hypo	sig	chr3_45167701
chr7	1.57E+08	157124801	+	1.809E-60	4.8132E-57	-0.4562	hypo	sig	chr7_157124801
chr19	3399017	3399017	+	2.221E-60	5.8693E-57	0.414445	hyper	sig	chr19_3399017
chr7	666082	666082	+	2.215E-60	5.8693E-57	0.453411	hyper	sig	chr7_666082
chr7	771885	771885	+	2.462E-60	6.4856E-57	0.389339	hyper	sig	chr7_771885
chr13	1.12E+08	112345783	+	2.576E-60	6.764E-57	-0.45265	hypo	sig	chr13_112345783
chr10	1.01E+08	101134623	+	3.071E-60	8.0393E-57	0.360457	hyper	sig	chr10_101134623
chr13	27927014	27927014	+	3.104E-60	8.098E-57	0.445219	hyper	sig	chr13_27927014
chr3	37856523	37856523	+	3.252E-60	8.4568E-57	0.380067	hyper	sig	chr3_37856523
chr13	1.11E+08	111423612	+	3.853E-60	9.9899E-57	-0.58	hypo	sig	chr13_111423612
chr16	67944279	67944279	+	3.88E-60	1.0026E-56	0.46966	hyper	sig	chr16_67944279
chr3	45167704	45167704	+	4.09E-60	1.0535E-56	-0.27537	hypo	sig	chr3_45167704
chr5	6349435	6349435	+	4.771E-60	1.225E-56	-0.49585	hypo	sig	chr5_6349435
chr7	1.5E+08	150341509	+	5.207E-60	1.3328E-56	0.536381	hyper	sig	chr7_150341509
chr7	2110381	2110381	+	6.47E-60	1.6511E-56	-0.56251	hypo	sig	chr7_2110381
chr19	47782065	47782065	+	7.923E-60	2.0153E-56	0.550705	hyper	sig	chr19_47782065
chr2	31216821	31216821	+	8.747E-60	2.2179E-56	-0.47668	hypo	sig	chr2_31216821
chr1	2.48E+08	247549075	+	9.523E-60	2.4073E-56	-0.55366	hypo	sig	chr1_247549075
chr1	15758348	15758348	+	9.581E-60	2.4144E-56	0.460438	hyper	sig	chr1_15758348
chr7	8441152	8441152	+	9.947E-60	2.4989E-56	0.412074	hyper	sig	chr7_8441152
chr11	1152508	1152508	+	1.061E-59	2.6566E-56	-0.50387	hypo	sig	chr11_1152508
chr6	15504735	15504735	+	1.066E-59	2.6626E-56	0.480665	hyper	sig	chr6_15504735
chr8	11982350	11982350	+	1.074E-59	2.6726E-56	-0.42025	hypo	sig	chr8_11982350
chr7	74002841	74002841	+	1.253E-59	3.1093E-56	-0.47356	hypo	sig	chr7_74002841
chr16	4006375	4006375	+	1.296E-59	3.2057E-56	0.48928	hyper	sig	chr16_4006375
chr11	1558189	1558189	+	1.323E-59	3.2636E-56	0.450657	hyper	sig	chr11_1558189
chr11	69086393	69086393	+	1.49E-59	3.6648E-56	0.454363	hyper	sig	chr11_69086393
chr17	50551040	50551040	+	1.53E-59	3.7503E-56	0.461735	hyper	sig	chr17_50551040
chr3	73622933	73622933	+	1.565E-59	3.8239E-56	0.416424	hyper	sig	chr3_73622933
chr1	2E+08	200041553	+	1.616E-59	3.9318E-56	0.475662	hyper	sig	chr1_200041553

chr15	59993494	59993494	+	1.618E-59	3.9318E-56	0.555674	hyper	sig	chr15_59993494
chr11	65356039	65356039	+	1.637E-59	3.965E-56	0.47191	hyper	sig	chr11_65356039
chr1	3140038	3140038	+	1.708E-59	4.1256E-56	0.482248	hyper	sig	chr1_3140038
chr6	31766415	31766415	+	1.83E-59	4.4075E-56	0.50215	hyper	sig	chr6_31766415
chr1	2E+08	200041522	+	1.919E-59	4.593E-56	0.448835	hyper	sig	chr1_200041522
chr1	2.21E+08	220884521	+	1.919E-59	4.593E-56	0.523641	hyper	sig	chr1_220884521
chr3	50165385	50165385	+	1.962E-59	4.6832E-56	0.474038	hyper	sig	chr3_50165385
chr7	1.03E+08	103153032	+	1.992E-59	4.7406E-56	-0.55326	hypo	sig	chr7_103153032
chr1	47446332	47446332	+	2.272E-59	5.3899E-56	0.416513	hyper	sig	chr1_47446332
chr13	1.12E+08	111974411	+	2.392E-59	5.658E-56	0.422977	hyper	sig	chr13_111974411
chr10	1.01E+08	101136718	+	2.458E-59	5.7981E-56	0.38613	hyper	sig	chr10_101136718
chr7	4135704	4135704	+	2.552E-59	6.0028E-56	-0.43877	hypo	sig	chr7_4135704
chr20	62063819	62063819	+	2.656E-59	6.2288E-56	0.48858	hyper	sig	chr20_62063819
chr16	70725993	70725993	+	2.948E-59	6.8929E-56	0.499418	hyper	sig	chr16_70725993
chr6	30110498	30110498	+	3.744E-59	8.7309E-56	-0.47063	hypo	sig	chr6_30110498
chr11	8732862	8732862	+	4.663E-59	1.0841E-55	0.476154	hyper	sig	chr11_8732862
chr16	70726091	70726091	+	4.696E-59	1.0887E-55	0.45258	hyper	sig	chr16_70726091
chr13	1.13E+08	112843690	+	5.128E-59	1.1856E-55	0.355154	hyper	sig	chr13_112843690
chr13	1.01E+08	101416831	+	5.294E-59	1.2203E-55	0.453217	hyper	sig	chr13_101416831
chr6	1.68E+08	167678518	+	5.36E-59	1.232E-55	0.415513	hyper	sig	chr6_167678518
chr12	1.33E+08	132904932	+	5.702E-59	1.3071E-55	0.377755	hyper	sig	chr12_132904932
chr22	27669808	27669808	+	5.77E-59	1.319E-55	-0.44264	hypo	sig	chr22_27669808
chr3	50165398	50165398	+	5.982E-59	1.3636E-55	0.445797	hyper	sig	chr3_50165398
chr1	1007025	1007025	+	6.332E-59	1.4353E-55	-0.43086	hypo	sig	chr1_1007025
chr9	1.34E+08	134461741	+	6.322E-59	1.4353E-55	-0.4847	hypo	sig	chr9_134461741
chr13	27926999	27926999	+	6.741E-59	1.5195E-55	0.401183	hyper	sig	chr13_27926999
chr7	1.5E+08	150341460	+	6.736E-59	1.5195E-55	0.459371	hyper	sig	chr7_150341460
chr6	1.68E+08	167678548	+	7.076E-59	1.5904E-55	0.421432	hyper	sig	chr6_167678548
chr13	27924741	27924741	+	7.119E-59	1.5959E-55	0.517286	hyper	sig	chr13_27924741
chr7	74002851	74002851	+	7.218E-59	1.6136E-55	-0.38643	hypo	sig	chr7_74002851
chr10	633533	633533	+	7.374E-59	1.6439E-55	0.406197	hyper	sig	chr10_633533
chr1	2.21E+08	220884380	+	7.743E-59	1.7214E-55	0.508065	hyper	sig	chr1_220884380
chr12	84911989	84911989	+	7.855E-59	1.7414E-55	0.370735	hyper	sig	chr12_84911989
chr1	2.28E+08	227775470	+	8.011E-59	1.7713E-55	0.467027	hyper	sig	chr1_227775470
chr6	31766455	31766455	+	8.564E-59	1.8884E-55	0.446237	hyper	sig	chr6_31766455
chr11	65356048	65356048	+	8.729E-59	1.9156E-55	0.458638	hyper	sig	chr11_65356048
chr6	1.49E+08	149484888	+	8.735E-59	1.9156E-55	-0.37974	hypo	sig	chr6_149484888
chr19	3398883	3398883	+	9.134E-59	1.9979E-55	0.522782	hyper	sig	chr19_3398883
chr1	47446268	47446268	+	9.169E-59	1.9999E-55	0.455342	hyper	sig	chr1_47446268
chr20	62063828	62063828	+	1.079E-58	2.3483E-55	0.481697	hyper	sig	chr20_62063828
chr1	3140036	3140036	+	1.089E-58	2.3624E-55	0.473671	hyper	sig	chr1_3140036
chr16	70725995	70725995	+	1.224E-58	2.6493E-55	0.489209	hyper	sig	chr16_70725995
chr16	88205339	88205339	+	1.253E-58	2.7039E-55	-0.43609	hypo	sig	chr16_88205339
chr7	1.03E+08	103152923	+	1.256E-58	2.704E-55	-0.54138	hypo	sig	chr7_103152923
chr8	42499188	42499188	+	1.279E-58	2.7448E-55	0.464895	hyper	sig	chr8_42499188
chr10	1.01E+08	101136737	+	1.328E-58	2.8426E-55	0.385012	hyper	sig	chr10_101136737
chr12	1.32E+08	132287241	+	1.392E-58	2.9722E-55	-0.4711	hypo	sig	chr12_132287241
chr7	27106804	27106804	+	1.568E-58	3.3388E-55	0.482662	hyper	sig	chr7_27106804
chr9	2623637	2623637	+	1.662E-58	3.5305E-55	0.449623	hyper	sig	chr9_2623637
chr19	15911703	15911703	+	1.869E-58	3.9595E-55	0.465384	hyper	sig	chr19_15911703
chr2	26342906	26342906	+	1.887E-58	3.9871E-55	-0.44682	hypo	sig	chr2_26342906
chr12	1.2E+08	120100935	+	2.094E-58	4.4134E-55	0.41121	hyper	sig	chr12_120100935
chr13	27927747	27927747	+	2.183E-58	4.5898E-55	0.501892	hyper	sig	chr13_27927747
chr7	1.33E+08	132545853	+	2.194E-58	4.5997E-55	-0.41114	hypo	sig	chr7_132545853
chr2	1.72E+08	172196992	+	2.232E-58	4.6681E-55	-0.4936	hypo	sig	chr2_172196992
chr8	1.44E+08	144051345	+	2.344E-58	4.8891E-55	0.43783	hyper	sig	chr8_144051345

chr2	1.2E+08	120466203	+	2.413E-58	5.0209E-55	-0.47581	hypo	sig	chr2_120466203
chr9	1.34E+08	134461752	+	2.498E-58	5.1842E-55	-0.49845	hypo	sig	chr9_134461752
chr13	27926989	27926989	+	2.532E-58	5.2413E-55	0.45902	hyper	sig	chr13_27926989
chr9	2623547	2623547	+	2.577E-58	5.3216E-55	0.433934	hyper	sig	chr9_2623547
chr7	868149	868149	+	2.615E-58	5.3858E-55	0.447001	hyper	sig	chr7_868149
chr7	27101744	27101744	+	2.667E-58	5.4789E-55	0.499374	hyper	sig	chr7_27101744
chr1	2.08E+08	207669810	+	2.77E-58	5.6762E-55	0.405327	hyper	sig	chr1_207669810
chr1	2E+08	200041504	+	2.871E-58	5.8673E-55	0.486715	hyper	sig	chr1_200041504
chr13	1.01E+08	101416829	+	2.882E-58	5.8767E-55	0.452741	hyper	sig	chr13_101416829
chr2	27308361	27308361	+	2.892E-58	5.8821E-55	0.436662	hyper	sig	chr2_27308361
chr1	2305004	2305004	+	3.109E-58	6.3079E-55	0.424353	hyper	sig	chr1_2305004
chr15	60395811	60395811	+	3.198E-58	6.4703E-55	-0.44513	hypo	sig	chr15_60395811
chr13	27928401	27928401	+	3.831E-58	7.7338E-55	0.515393	hyper	sig	chr13_27928401
chr11	2708887	2708887	+	3.976E-58	8.0055E-55	0.445322	hyper	sig	chr11_2708887
chr13	27927011	27927011	+	3.994E-58	8.0224E-55	0.430028	hyper	sig	chr13_27927011
chr6	26225174	26225174	+	4.272E-58	8.5592E-55	0.424691	hyper	sig	chr6_26225174
chr6	26225252	26225252	+	4.339E-58	8.6721E-55	0.404109	hyper	sig	chr6_26225252
chr6	1.33E+08	133242244	+	4.356E-58	8.6851E-55	0.434148	hyper	sig	chr6_133242244
chr1	2.21E+08	220884524	+	4.559E-58	9.0669E-55	0.539575	hyper	sig	chr1_220884524
chr16	87407882	87407882	+	4.732E-58	9.3878E-55	-0.47922	hypo	sig	chr16_87407882
chr7	774726	774726	+	4.819E-58	9.5377E-55	0.459649	hyper	sig	chr7_774726
chr13	27924789	27924789	+	4.85E-58	9.5755E-55	0.53795	hyper	sig	chr13_27924789
chr7	44986074	44986074	+	4.862E-58	9.5766E-55	-0.35296	hypo	sig	chr7_44986074
chr4	28823298	28823298	+	4.977E-58	9.779E-55	-0.42427	hypo	sig	chr4_28823298
chr6	1.68E+08	167678492	+	5.228E-58	1.0246E-54	0.442162	hyper	sig	chr6_167678492
chr17	81277560	81277560	+	5.456E-58	1.0667E-54	0.438726	hyper	sig	chr17_81277560
chr2	2.38E+08	238226006	+	5.702E-58	1.1123E-54	0.4089	hyper	sig	chr2_238226006
chr2	2.38E+08	238225987	+	6.222E-58	1.2107E-54	0.417271	hyper	sig	chr2_238225987
chr7	1.03E+08	103152928	+	6.245E-58	1.2124E-54	-0.52511	hypo	sig	chr7_103152928
chr6	52994210	52994210	+	6.581E-58	1.2746E-54	0.411198	hyper	sig	chr6_52994210
chr1	2.21E+08	220884518	+	7.307E-58	1.4118E-54	0.507009	hyper	sig	chr1_220884518
chr16	30095576	30095576	+	7.761E-58	1.4959E-54	0.449121	hyper	sig	chr16_30095576
chr17	78723516	78723516	+	7.808E-58	1.5015E-54	0.462965	hyper	sig	chr17_78723516
chr2	27308406	27308406	+	7.841E-58	1.5041E-54	0.429487	hyper	sig	chr2_27308406
chr7	1.56E+08	155951852	+	8.063E-58	1.543E-54	-0.4818	hypo	sig	chr7_155951852
chr7	1761847	1761847	+	8.271E-58	1.5791E-54	-0.52883	hypo	sig	chr7_1761847
chr15	60395790	60395790	+	8.454E-58	1.6102E-54	-0.47299	hypo	sig	chr15_60395790
chr7	1.24E+08	124480972	+	8.791E-58	1.6706E-54	-0.44094	hypo	sig	chr7_124480972
chr7	27106826	27106826	+	8.973E-58	1.7012E-54	0.47751	hyper	sig	chr7_27106826
chr12	1.32E+08	132287260	+	9.004E-58	1.7032E-54	-0.4528	hypo	sig	chr12_132287260
chr14	69543890	69543890	+	1.19E-57	2.2458E-54	-0.34444	hypo	sig	chr14_69543890
chr11	47337475	47337475	+	1.219E-57	2.2924E-54	-0.53864	hypo	sig	chr11_47337475
chr14	1.04E+08	103534168	+	1.22E-57	2.2924E-54	0.461486	hyper	sig	chr14_103534168
chr11	15938435	15938435	+	1.239E-57	2.3211E-54	0.401446	hyper	sig	chr11_15938435
chr11	1558180	1558180	+	1.323E-57	2.4745E-54	0.441376	hyper	sig	chr11_1558180
chr16	58464828	58464828	+	1.343E-57	2.5044E-54	0.390179	hyper	sig	chr16_58464828
chr16	67944229	67944229	+	1.408E-57	2.6201E-54	0.526683	hyper	sig	chr16_67944229
chr1	47446341	47446341	+	1.419E-57	2.6346E-54	0.449181	hyper	sig	chr1_47446341
chr9	1.3E+08	129620816	+	1.554E-57	2.8782E-54	0.357572	hyper	sig	chr9_129620816
chr11	314373	314373	+	1.616E-57	2.9874E-54	-0.30478	hypo	sig	chr11_314373
chr17	48550911	48550911	+	1.649E-57	3.0417E-54	0.411728	hyper	sig	chr17_48550911
chr1	1006981	1006981	+	1.754E-57	3.228E-54	-0.43706	hypo	sig	chr1_1006981
chr1	1.44E+08	143904598	+	1.891E-57	3.4717E-54	0.472284	hyper	sig	chr1_143904598
chr13	93227113	93227113	+	2.048E-57	3.7518E-54	0.369963	hyper	sig	chr13_93227113
chr1	2.28E+08	227775554	+	2.08E-57	3.8005E-54	0.432949	hyper	sig	chr1_227775554
chr2	1.81E+08	181461225	+	2.153E-57	3.9261E-54	-0.44769	hypo	sig	chr2_181461225

chr14	73718619	73718619	+	2.299E-57	4.1819E-54	0.411069	hyper	sig	chr14_73718619
chr6	1.67E+08	167122696	+	2.465E-57	4.4749E-54	-0.46666	hypo	sig	chr6_167122696
chr7	1.03E+08	103152947	+	2.481E-57	4.493E-54	-0.51309	hypo	sig	chr7_103152947
chr17	6755409	6755409	+	2.579E-57	4.6605E-54	0.461956	hyper	sig	chr17_6755409
chr2	43131345	43131345	+	2.637E-57	4.744E-54	-0.45677	hypo	sig	chr2_43131345
chr7	74002922	74002922	+	2.635E-57	4.744E-54	-0.46989	hypo	sig	chr7_74002922
chr11	43559558	43559558	+	2.669E-57	4.7915E-54	-0.46713	hypo	sig	chr11_43559558
chr19	4556039	4556039	+	2.683E-57	4.8064E-54	-0.59823	hypo	sig	chr19_4556039
chr7	27101439	27101439	+	2.764E-57	4.9399E-54	0.473071	hyper	sig	chr7_27101439
chr17	38855238	38855238	+	2.845E-57	5.0729E-54	-0.39491	hypo	sig	chr17_38855238
chr1	27342119	27342119	+	3.012E-57	5.3599E-54	-0.36682	hypo	sig	chr1_27342119
chr6	46011609	46011609	+	3.336E-57	5.9227E-54	-0.37669	hypo	sig	chr6_46011609
chr7	27106832	27106832	+	3.413E-57	6.0471E-54	0.482153	hyper	sig	chr7_27106832
chr8	1.23E+08	123182725	+	3.696E-57	6.5334E-54	-0.39856	hypo	sig	chr8_123182725
chr2	2.41E+08	241049980	+	3.775E-57	6.6588E-54	0.568728	hyper	sig	chr2_241049980
chr8	1.41E+08	141147005	+	3.881E-57	6.8304E-54	0.374773	hyper	sig	chr8_141147005
chr1	3239401	3239401	+	4.03E-57	7.079E-54	-0.50188	hypo	sig	chr1_3239401
chr2	53859752	53859752	+	4.118E-57	7.2162E-54	0.606288	hyper	sig	chr2_53859752
chr16	31527913	31527913	+	4.331E-57	7.5735E-54	-0.39769	hypo	sig	chr16_31527913
chr19	36797450	36797450	+	4.645E-57	8.1056E-54	0.366749	hyper	sig	chr19_36797450
chr21	42222243	42222243	+	5.057E-57	8.8062E-54	0.411917	hyper	sig	chr21_42222243
chr22	31104436	31104436	+	5.279E-57	9.1726E-54	0.492509	hyper	sig	chr22_31104436
chr3	1.84E+08	184337335	+	6.101E-57	1.0578E-53	0.451966	hyper	sig	chr3_184337335
chr7	1.56E+08	155951850	+	6.121E-57	1.0591E-53	-0.48193	hypo	sig	chr7_155951850
chr12	57619704	57619704	+	6.195E-57	1.0695E-53	-0.39098	hypo	sig	chr12_57619704
chr7	1.01E+08	100865788	+	6.44E-57	1.1095E-53	-0.52737	hypo	sig	chr7_100865788
chr4	1.74E+08	173512853	+	6.613E-57	1.1368E-53	-0.49218	hypo	sig	chr4_173512853
chr11	69086395	69086395	+	8.329E-57	1.4282E-53	0.415904	hyper	sig	chr11_69086395
chr7	27101524	27101524	+	8.343E-57	1.4282E-53	0.481218	hyper	sig	chr7_27101524
chr2	2.33E+08	233469779	+	8.392E-57	1.4336E-53	0.450601	hyper	sig	chr2_233469779
chr1	2.03E+08	203275030	+	9.199E-57	1.5681E-53	0.39372	hyper	sig	chr1_203275030
chr10	1.01E+08	101136852	+	9.785E-57	1.6646E-53	0.397257	hyper	sig	chr10_101136852
chr7	27101342	27101342	+	1.048E-56	1.7791E-53	0.450577	hyper	sig	chr7_27101342
chr11	1.18E+08	117987307	+	1.052E-56	1.7814E-53	-0.45111	hypo	sig	chr11_117987307
chr13	27923322	27923322	+	1.054E-56	1.7814E-53	0.519367	hyper	sig	chr13_27923322
chr6	26225311	26225311	+	1.078E-56	1.8184E-53	0.441985	hyper	sig	chr6_26225311
chr8	42499162	42499162	+	1.107E-56	1.8636E-53	0.465926	hyper	sig	chr8_42499162
chr16	87407966	87407966	+	1.139E-56	1.9139E-53	-0.45	hypo	sig	chr16_87407966
chr2	47193728	47193728	+	1.186E-56	1.9886E-53	0.349001	hyper	sig	chr2_47193728
chr4	48675440	48675440	+	1.217E-56	2.0369E-53	-0.48669	hypo	sig	chr4_48675440
chr7	5355258	5355258	+	1.235E-56	2.0616E-53	0.448435	hyper	sig	chr7_5355258
chr4	6693937	6693937	+	1.282E-56	2.1353E-53	-0.43317	hypo	sig	chr4_6693937
chr6	1.49E+08	149484874	+	1.359E-56	2.2595E-53	-0.40537	hypo	sig	chr6_149484874
chr1	2.35E+08	234978595	+	1.388E-56	2.3037E-53	-0.38841	hypo	sig	chr1_234978595
chr17	48726937	48726937	+	1.4E-56	2.3187E-53	0.391826	hyper	sig	chr17_48726937
chr13	1.12E+08	112067980	+	1.407E-56	2.326E-53	0.427598	hyper	sig	chr13_112067980
chr2	2.39E+08	239311384	+	1.417E-56	2.3375E-53	0.392151	hyper	sig	chr2_239311384
chr17	78592675	78592675	+	1.454E-56	2.3928E-53	-0.51494	hypo	sig	chr17_78592675
chr1	47446313	47446313	+	1.488E-56	2.4448E-53	0.444024	hyper	sig	chr1_47446313
chr16	30095511	30095511	+	1.513E-56	2.4804E-53	0.48059	hyper	sig	chr16_30095511
chr16	383556	383556	+	1.544E-56	2.5261E-53	-0.4175	hypo	sig	chr16_383556
chr11	65356096	65356096	+	1.706E-56	2.7854E-53	0.438031	hyper	sig	chr11_65356096
chr14	1.04E+08	103519944	+	1.711E-56	2.7885E-53	0.422797	hyper	sig	chr14_103519944
chr13	27924885	27924885	+	1.761E-56	2.864E-53	0.526745	hyper	sig	chr13_27924885
chr17	61495690	61495690	+	1.795E-56	2.9138E-53	-0.47686	hypo	sig	chr17_61495690
chr8	49911012	49911012	+	1.858E-56	3.0089E-53	0.37684	hyper	sig	chr8_49911012

chr10	1.33E+08	133108293	+	2.201E-56	3.5579E-53	-0.47544	hypo	sig	chr10_133108293
chr8	1.41E+08	141147835	+	2.395E-56	3.8634E-53	0.411127	hyper	sig	chr8_141147835
chr6	52994284	52994284	+	2.484E-56	4E-53	0.402693	hyper	sig	chr6_52994284
chr1	1007109	1007109	+	2.578E-56	4.1425E-53	-0.42187	hypo	sig	chr1_1007109
chr20	57394226	57394226	+	2.809E-56	4.5045E-53	0.530431	hyper	sig	chr20_57394226
chr14	53957124	53957124	+	2.837E-56	4.541E-53	-0.41605	hypo	sig	chr14_53957124
chr16	31527645	31527645	+	2.978E-56	4.7565E-53	-0.42193	hypo	sig	chr16_31527645
chr1	31939495	31939495	+	3.09E-56	4.9268E-53	-0.47958	hypo	sig	chr1_31939495
chr17	17877602	17877602	+	4.05E-56	6.4435E-53	0.465954	hyper	sig	chr17_17877602
chr1	2.28E+08	227775483	+	4.059E-56	6.4447E-53	0.428654	hyper	sig	chr1_227775483
chr7	1.29E+08	128907628	+	4.113E-56	6.5178E-53	-0.46939	hypo	sig	chr7_128907628
chr9	1.3E+08	129669267	+	4.325E-56	6.8417E-53	-0.50781	hypo	sig	chr9_129669267
chr7	5349640	5349640	+	4.403E-56	6.9502E-53	0.394602	hyper	sig	chr7_5349640
chr19	43774381	43774381	+	4.48E-56	7.059E-53	0.471219	hyper	sig	chr19_43774381
chr9	1.36E+08	136361353	+	4.49E-56	7.0613E-53	0.42124	hyper	sig	chr9_136361353
chr12	52038799	52038799	+	4.627E-56	7.2618E-53	0.435365	hyper	sig	chr12_52038799
chr17	48550914	48550914	+	4.653E-56	7.2889E-53	0.43542	hyper	sig	chr17_48550914
chr14	95227495	95227495	+	4.883E-56	7.6342E-53	0.350436	hyper	sig	chr14_95227495
chr7	93890209	93890209	+	5.08E-56	7.9277E-53	0.370097	hyper	sig	chr7_93890209
chr13	1.1E+08	109773488	+	5.212E-56	8.1176E-53	-0.44046	hypo	sig	chr13_109773488
chr13	23680165	23680165	+	5.338E-56	8.2984E-53	-0.47514	hypo	sig	chr13_23680165
chr15	70475310	70475310	+	5.967E-56	9.2586E-53	-0.39142	hypo	sig	chr15_70475310
chr8	11982271	11982271	+	6.233E-56	9.6518E-53	-0.35231	hypo	sig	chr8_11982271
chr17	78592630	78592630	+	6.408E-56	9.904E-53	-0.39229	hypo	sig	chr17_78592630
chr13	27924896	27924896	+	6.906E-56	1.0654E-52	0.52579	hyper	sig	chr13_27924896
chr13	27924819	27924819	+	7.111E-56	1.0949E-52	0.506394	hyper	sig	chr13_27924819
chr6	30769493	30769493	+	7.133E-56	1.0962E-52	-0.28598	hypo	sig	chr6_30769493
chr1	1.44E+08	143652902	+	8.121E-56	1.2457E-52	0.476782	hyper	sig	chr1_143652902
chr12	1.33E+08	132904942	+	8.452E-56	1.294E-52	0.348293	hyper	sig	chr12_132904942
chr6	46011612	46011612	+	9.396E-56	1.4358E-52	-0.36593	hypo	sig	chr6_46011612
chr1	1.97E+08	196818720	+	1.03E-55	1.5713E-52	-0.4384	hypo	sig	chr1_196818720
chr11	3123530	3123530	+	1.056E-55	1.6052E-52	0.435718	hyper	sig	chr11_3123530
chr19	45767154	45767154	+	1.055E-55	1.6052E-52	0.44972	hyper	sig	chr19_45767154
chr6	1.33E+08	133242289	+	1.15E-55	1.7443E-52	0.407817	hyper	sig	chr6_133242289
chr12	84912010	84912010	+	1.173E-55	1.7756E-52	0.446038	hyper	sig	chr12_84912010
chr7	19772947	19772947	+	1.187E-55	1.7929E-52	0.346591	hyper	sig	chr7_19772947
chr1	37478656	37478656	+	1.208E-55	1.8223E-52	-0.45077	hypo	sig	chr1_37478656
chr17	75646335	75646335	+	1.219E-55	1.8348E-52	-0.37569	hypo	sig	chr17_75646335
chr10	99534580	99534580	+	1.225E-55	1.8409E-52	0.454474	hyper	sig	chr10_99534580
chr19	3398895	3398895	+	1.231E-55	1.8457E-52	0.51313	hyper	sig	chr19_3398895
chr20	38728230	38728230	+	1.303E-55	1.9507E-52	0.516899	hyper	sig	chr20_38728230
chr6	26225179	26225179	+	1.34E-55	2.0025E-52	0.405283	hyper	sig	chr6_26225179
chr20	62063802	62063802	+	1.393E-55	2.0771E-52	0.445836	hyper	sig	chr20_62063802
chr11	47337564	47337564	+	1.406E-55	2.0939E-52	-0.50227	hypo	sig	chr11_47337564
chr6	89298131	89298131	+	1.415E-55	2.1031E-52	-0.42812	hypo	sig	chr6_89298131
chr10	1.01E+08	101136822	+	1.487E-55	2.2054E-52	0.384088	hyper	sig	chr10_101136822
chr16	87407897	87407897	+	1.49E-55	2.2066E-52	-0.47593	hypo	sig	chr16_87407897
chr7	74002912	74002912	+	1.514E-55	2.2383E-52	-0.44392	hypo	sig	chr7_74002912
chr19	58203984	58203984	+	1.576E-55	2.325E-52	0.455784	hyper	sig	chr19_58203984
chr6	1.67E+08	167122739	+	1.621E-55	2.3872E-52	-0.49656	hypo	sig	chr6_167122739
chr13	27924291	27924291	+	1.631E-55	2.3974E-52	0.549544	hyper	sig	chr13_27924291
chr7	27101428	27101428	+	1.664E-55	2.4418E-52	0.489358	hyper	sig	chr7_27101428
chr22	37186316	37186316	+	1.694E-55	2.481E-52	-0.43727	hypo	sig	chr22_37186316
chr16	8712806	8712806	+	1.719E-55	2.5136E-52	0.398486	hyper	sig	chr16_8712806
chr1	10672338	10672338	+	1.742E-55	2.5428E-52	0.542456	hyper	sig	chr1_10672338
chr1	2.44E+08	243917632	+	1.785E-55	2.6E-52	0.417689	hyper	sig	chr1_243917632

chr13	27927027	27927027	+	1.829E-55	2.6602E-52	0.502922	hyper	sig	chr13_27927027
chr12	1.33E+08	132904904	+	1.967E-55	2.8551E-52	0.359052	hyper	sig	chr12_132904904
chr5	1.71E+08	170508193	+	2.155E-55	3.1222E-52	-0.43577	hypo	sig	chr5_170508193
chr21	44967165	44967165	+	2.219E-55	3.209E-52	0.478103	hyper	sig	chr21_44967165
chr13	23901694	23901694	+	2.223E-55	3.21E-52	-0.40442	hypo	sig	chr13_23901694
chr12	57619692	57619692	+	2.25E-55	3.2423E-52	-0.38772	hypo	sig	chr12_57619692
chr14	99363395	99363395	+	2.338E-55	3.3637E-52	-0.49562	hypo	sig	chr14_99363395
chr16	67966063	67966063	+	2.406E-55	3.4558E-52	0.407863	hyper	sig	chr16_67966063
chr16	87407872	87407872	+	2.431E-55	3.4852E-52	-0.4724	hypo	sig	chr16_87407872
chr7	27108594	27108594	+	2.444E-55	3.4973E-52	0.457636	hyper	sig	chr7_27108594
chr13	1.14E+08	114005199	+	2.623E-55	3.747E-52	-0.52139	hypo	sig	chr13_114005199
chr13	1.12E+08	112249081	+	2.74E-55	3.9079E-52	0.409153	hyper	sig	chr13_112249081
chr1	2.26E+08	225817124	+	2.804E-55	3.9911E-52	0.461507	hyper	sig	chr1_225817124
chr7	27101520	27101520	+	2.812E-55	3.9967E-52	0.475686	hyper	sig	chr7_27101520
chr6	1.68E+08	168117089	+	3.078E-55	4.3659E-52	-0.45174	hypo	sig	chr6_168117089
chr7	1.52E+08	151745285	+	3.16E-55	4.475E-52	-0.47629	hypo	sig	chr7_151745285
chr15	59993538	59993538	+	3.408E-55	4.8177E-52	0.476858	hyper	sig	chr15_59993538
chr10	98464477	98464477	+	3.457E-55	4.8779E-52	-0.50206	hypo	sig	chr10_98464477
chr5	1.59E+08	159104637	+	3.563E-55	5.0192E-52	0.520052	hyper	sig	chr5_159104637
chr13	27924836	27924836	+	3.602E-55	5.0651E-52	0.513894	hyper	sig	chr13_27924836
chr19	48443331	48443331	+	3.615E-55	5.0751E-52	0.413072	hyper	sig	chr19_48443331
chr1	2.21E+08	220895452	+	3.713E-55	5.203E-52	0.394253	hyper	sig	chr1_220895452
chr6	26225275	26225275	+	4.13E-55	5.778E-52	0.39165	hyper	sig	chr6_26225275
chr11	20160587	20160587	+	4.185E-55	5.8451E-52	0.404799	hyper	sig	chr11_20160587
chr17	75646406	75646406	+	4.327E-55	6.0332E-52	-0.40804	hypo	sig	chr17_75646406
chr5	998863	998863	+	4.742E-55	6.5948E-52	0.383155	hyper	sig	chr5_998863
chr7	2277217	2277217	+	4.746E-55	6.5948E-52	0.360392	hyper	sig	chr7_2277217
chr11	64759715	64759715	+	4.785E-55	6.6255E-52	0.456652	hyper	sig	chr11_64759715
chr17	32483826	32483826	+	4.777E-55	6.6255E-52	0.473829	hyper	sig	chr17_32483826
chr8	66432685	66432685	+	5.28E-55	7.2984E-52	0.442647	hyper	sig	chr8_66432685
chr1	2.21E+08	220894829	+	5.419E-55	7.4788E-52	0.478211	hyper	sig	chr1_220894829
chr8	1.44E+08	143944864	+	5.747E-55	7.9172E-52	0.404676	hyper	sig	chr8_143944864
chr6	1.33E+08	133242264	+	5.837E-55	8.0273E-52	0.386667	hyper	sig	chr6_133242264
chr3	1.7E+08	169822542	+	6.002E-55	8.2404E-52	-0.50665	hypo	sig	chr3_169822542
chr15	43239899	43239899	+	6.164E-55	8.4484E-52	-0.43319	hypo	sig	chr15_43239899
chr11	27723269	27723269	+	6.311E-55	8.6355E-52	0.356575	hyper	sig	chr11_27723269
chr9	1.3E+08	130111970	+	6.508E-55	8.891E-52	0.362965	hyper	sig	chr9_130111970
chr16	4006402	4006402	+	6.591E-55	8.9882E-52	0.458705	hyper	sig	chr16_4006402
chr17	77377367	77377367	+	6.679E-55	9.0933E-52	0.395152	hyper	sig	chr17_77377367
chr7	97022919	97022919	+	6.704E-55	9.1118E-52	0.419922	hyper	sig	chr7_97022919
chr3	1.7E+08	169822763	+	6.902E-55	9.3653E-52	-0.54028	hypo	sig	chr3_169822763
chr2	2.37E+08	237413671	+	7.371E-55	9.9856E-52	0.451611	hyper	sig	chr2_237413671
chr19	57889191	57889191	+	7.649E-55	1.0345E-51	0.395812	hyper	sig	chr19_57889191
chr11	73313035	73313035	+	7.712E-55	1.0412E-51	0.39674	hyper	sig	chr11_73313035
chr8	1.42E+08	142119831	+	7.829E-55	1.0553E-51	-0.51689	hypo	sig	chr8_142119831
chr11	65356016	65356016	+	8.27E-55	1.1128E-51	0.464885	hyper	sig	chr11_65356016
chr9	1.23E+08	123339074	+	8.382E-55	1.126E-51	-0.41593	hypo	sig	chr9_123339074
chr7	3302243	3302243	+	8.914E-55	1.1955E-51	0.364998	hyper	sig	chr7_3302243
chr17	78723530	78723530	+	8.956E-55	1.1972E-51	0.45032	hyper	sig	chr17_78723530
chr5	3592524	3592524	+	8.945E-55	1.1972E-51	0.41862	hyper	sig	chr5_3592524
chr9	2623540	2623540	+	1.041E-54	1.3895E-51	0.402566	hyper	sig	chr9_2623540
chr2	74380409	74380409	+	1.057E-54	1.408E-51	0.414346	hyper	sig	chr2_74380409
chr7	8441235	8441235	+	1.063E-54	1.4137E-51	0.456469	hyper	sig	chr7_8441235
chr13	1.12E+08	111974491	+	1.072E-54	1.4232E-51	0.398091	hyper	sig	chr13_111974491
chr13	27927763	27927763	+	1.102E-54	1.4614E-51	0.487053	hyper	sig	chr13_27927763
chr17	38855269	38855269	+	1.204E-54	1.5943E-51	-0.37371	hypo	sig	chr17_38855269

chr2	27308376	27308376	+	1.252E-54	1.654E-51	0.428358	hyper	sig	chr2_27308376
chr6	1E+08	100464231	+	1.254E-54	1.654E-51	0.413213	hyper	sig	chr6_100464231
chr11	94769666	94769666	+	1.292E-54	1.7013E-51	0.358707	hyper	sig	chr11_94769666
chr21	30396427	30396427	+	1.327E-54	1.7453E-51	-0.41197	hypo	sig	chr21_30396427
chr2	45882919	45882919	+	1.379E-54	1.8101E-51	0.422859	hyper	sig	chr2_45882919
chr8	1.23E+08	123167671	+	1.463E-54	1.9183E-51	-0.47216	hypo	sig	chr8_123167671
chr13	36128521	36128521	+	1.486E-54	1.9446E-51	-0.45581	hypo	sig	chr13_36128521
chr19	58440456	58440456	+	1.495E-54	1.9535E-51	0.332839	hyper	sig	chr19_58440456
chr8	1.41E+08	140609348	+	1.562E-54	2.0371E-51	0.420769	hyper	sig	chr8_140609348
chr16	54933874	54933874	+	1.566E-54	2.0393E-51	0.456614	hyper	sig	chr16_54933874
chr20	38728196	38728196	+	1.596E-54	2.0755E-51	0.489038	hyper	sig	chr20_38728196
chr17	48726877	48726877	+	1.625E-54	2.1066E-51	0.353757	hyper	sig	chr17_48726877
chr7	771569	771569	+	1.625E-54	2.1066E-51	0.570124	hyper	sig	chr7_771569
chr2	48753466	48753466	+	1.654E-54	2.1402E-51	-0.42048	hypo	sig	chr2_48753466
chr6	32855085	32855085	+	1.711E-54	2.2111E-51	-0.38147	hypo	sig	chr6_32855085
chr7	1.37E+08	136871430	+	1.774E-54	2.2883E-51	0.44707	hyper	sig	chr7_136871430
chr7	2874230	2874230	+	1.91E-54	2.4605E-51	-0.4765	hypo	sig	chr7_2874230
chr21	44967168	44967168	+	1.959E-54	2.5186E-51	0.440136	hyper	sig	chr21_44967168
chr2	2.41E+08	241049991	+	2.059E-54	2.6442E-51	0.536898	hyper	sig	chr2_241049991
chr7	4767375	4767375	+	2.149E-54	2.7549E-51	0.377069	hyper	sig	chr7_4767375
chr20	45316744	45316744	+	2.179E-54	2.7882E-51	0.509996	hyper	sig	chr20_45316744
chr1	2.21E+08	220884856	+	2.288E-54	2.9166E-51	0.483367	hyper	sig	chr1_220884856
chr13	1.02E+08	101706779	+	2.285E-54	2.9166E-51	-0.47488	hypo	sig	chr13_101706779
chr7	41962146	41962146	+	2.29E-54	2.9166E-51	-0.46233	hypo	sig	chr7_41962146
chr12	95548152	95548152	+	2.486E-54	3.1565E-51	0.346221	hyper	sig	chr12_95548152
chr15	59993501	59993501	+	2.483E-54	3.1565E-51	0.510809	hyper	sig	chr15_59993501
chr11	504933	504933	+	2.584E-54	3.2761E-51	0.408969	hyper	sig	chr11_504933
chr3	68929226	68929226	+	2.614E-54	3.3085E-51	-0.45631	hypo	sig	chr3_68929226
chr1	10672435	10672435	+	2.727E-54	3.4463E-51	0.481718	hyper	sig	chr1_10672435
chr14	95227544	95227544	+	2.791E-54	3.5219E-51	0.412126	hyper	sig	chr14_95227544
chr14	1.01E+08	101060783	+	2.858E-54	3.6005E-51	-0.42703	hypo	sig	chr14_101060783
chr8	42499133	42499133	+	2.993E-54	3.7659E-51	0.453079	hyper	sig	chr8_42499133
chr11	504941	504941	+	3.009E-54	3.7798E-51	0.397553	hyper	sig	chr11_504941
chr11	504895	504895	+	3.114E-54	3.9024E-51	0.432471	hyper	sig	chr11_504895
chr19	58440516	58440516	+	3.116E-54	3.9024E-51	0.384478	hyper	sig	chr19_58440516
chr13	1.13E+08	113495732	+	3.124E-54	3.9053E-51	0.387781	hyper	sig	chr13_113495732
chr20	62063804	62063804	+	3.152E-54	3.9349E-51	0.433433	hyper	sig	chr20_62063804
chr11	73313024	73313024	+	3.217E-54	4.01E-51	0.381168	hyper	sig	chr11_73313024
chr7	1.01E+08	100865756	+	3.324E-54	4.1375E-51	-0.55559	hypo	sig	chr7_100865756
chr1	2.48E+08	247549081	+	3.608E-54	4.4805E-51	-0.52607	hypo	sig	chr1_247549081
chr17	48726895	48726895	+	3.611E-54	4.4805E-51	0.320804	hyper	sig	chr17_48726895
chr2	2.32E+08	232387996	+	3.901E-54	4.8332E-51	0.509377	hyper	sig	chr2_232387996
chr1	2.28E+08	227775186	+	4.161E-54	5.1473E-51	0.391077	hyper	sig	chr1_227775186
chr5	1.72E+08	172381425	+	4.368E-54	5.3954E-51	0.381084	hyper	sig	chr5_172381425
chr16	87408001	87408001	+	4.387E-54	5.4103E-51	-0.44247	hypo	sig	chr16_87408001
chr6	1.69E+08	169188794	+	4.462E-54	5.4948E-51	-0.56861	hypo	sig	chr6_169188794
chr13	1.12E+08	112345740	+	4.587E-54	5.6399E-51	-0.4397	hypo	sig	chr13_112345740
chr6	32855080	32855080	+	4.737E-54	5.8157E-51	-0.41636	hypo	sig	chr6_32855080
chr11	71615607	71615607	+	4.761E-54	5.836E-51	-0.47661	hypo	sig	chr11_71615607
chr7	27101769	27101769	+	4.819E-54	5.8976E-51	0.473184	hyper	sig	chr7_27101769
chr7	27101426	27101426	+	5.385E-54	6.5811E-51	0.480846	hyper	sig	chr7_27101426
chr17	79802048	79802048	+	5.654E-54	6.8994E-51	0.457334	hyper	sig	chr17_79802048
chr13	1.12E+08	112105429	+	5.875E-54	7.1582E-51	0.597478	hyper	sig	chr13_112105429
chr11	3000775	3000775	+	6.176E-54	7.513E-51	0.494968	hyper	sig	chr11_3000775
chr10	1203938	1203938	+	6.195E-54	7.5253E-51	-0.48651	hypo	sig	chr10_1203938
chr7	93890234	93890234	+	6.269E-54	7.6036E-51	0.388549	hyper	sig	chr7_93890234

chr1	3140024	3140024	+	6.486E-54	7.8551E-51	0.456579	hyper	sig	chr1_3140024
chr13	27928427	27928427	+	7E-54	8.4657E-51	0.439034	hyper	sig	chr13_27928427
chr8	1.31E+08	131040629	+	7.06E-54	8.5255E-51	0.415232	hyper	sig	chr8_131040629
chr15	59993534	59993534	+	7.251E-54	8.7432E-51	0.468292	hyper	sig	chr15_59993534
chr1	1.21E+08	121006978	+	7.352E-54	8.8516E-51	0.408469	hyper	sig	chr1_121006978
chr5	1113297	1113297	+	7.812E-54	9.3907E-51	-0.43994	hypo	sig	chr5_1113297
chr15	59993521	59993521	+	8.049E-54	9.6613E-51	0.49052	hyper	sig	chr15_59993521
chr20	25083516	25083516	+	8.224E-54	9.857E-51	0.452198	hyper	sig	chr20_25083516
chr9	2623684	2623684	+	8.334E-54	9.9738E-51	0.409213	hyper	sig	chr9_2623684
chr14	1.04E+08	103534173	+	8.485E-54	1.014E-50	0.452407	hyper	sig	chr14_103534173
chr11	19607282	19607282	+	9.212E-54	1.0993E-50	-0.44202	hypo	sig	chr11_19607282
chr13	93228583	93228583	+	9.37E-54	1.1149E-50	0.409754	hyper	sig	chr13_93228583
chr8	1.44E+08	144051348	+	9.368E-54	1.1149E-50	0.435695	hyper	sig	chr8_144051348
chr10	633513	633513	+	9.968E-54	1.1842E-50	0.435681	hyper	sig	chr10_633513
chr13	27927772	27927772	+	1.005E-53	1.1921E-50	0.514857	hyper	sig	chr13_27927772
chr6	1.68E+08	167678515	+	1.017E-53	1.2046E-50	0.407466	hyper	sig	chr6_167678515
chr13	1.02E+08	101919879	+	1.028E-53	1.216E-50	0.473084	hyper	sig	chr13_101919879
chr11	65356079	65356079	+	1.087E-53	1.2843E-50	0.43623	hyper	sig	chr11_65356079
chr7	27101451	27101451	+	1.107E-53	1.3057E-50	0.453371	hyper	sig	chr7_27101451
chr15	59993622	59993622	+	1.127E-53	1.3268E-50	0.488468	hyper	sig	chr15_59993622
chr17	83048743	83048743	+	1.169E-53	1.3746E-50	-0.4677	hypo	sig	chr17_83048743
chr19	22286761	22286761	+	1.222E-53	1.4345E-50	0.45643	hyper	sig	chr19_22286761
chr16	67944255	67944255	+	1.267E-53	1.4854E-50	0.468563	hyper	sig	chr16_67944255
chr7	1.01E+08	100865653	+	1.381E-53	1.6174E-50	-0.4881	hypo	sig	chr7_100865653
chr11	71206498	71206498	+	1.466E-53	1.714E-50	0.459788	hyper	sig	chr11_71206498
chr10	1.26E+08	125574205	+	1.484E-53	1.7329E-50	-0.40991	hypo	sig	chr10_125574205
chr17	40093295	40093295	+	1.499E-53	1.7472E-50	0.392528	hyper	sig	chr17_40093295
chr1	2.28E+08	227775473	+	1.511E-53	1.7588E-50	0.447881	hyper	sig	chr1_227775473
chr2	2.22E+08	222423979	+	1.617E-53	1.877E-50	-0.3488	hypo	sig	chr2_222423979
chr5	88678730	88678730	+	1.615E-53	1.877E-50	0.388234	hyper	sig	chr5_88678730
chr7	1.52E+08	151745387	+	1.632E-53	1.8918E-50	-0.41011	hypo	sig	chr7_151745387
chr1	2.21E+08	220884404	+	1.647E-53	1.9065E-50	0.462685	hyper	sig	chr1_220884404
chr1	25567253	25567253	+	1.738E-53	2.0091E-50	0.458076	hyper	sig	chr1_25567253
chr7	4767265	4767265	+	1.754E-53	2.0243E-50	0.366612	hyper	sig	chr7_4767265
chr13	1.12E+08	112249089	+	1.794E-53	2.0677E-50	0.408234	hyper	sig	chr13_112249089
chr8	71842727	71842727	+	1.955E-53	2.2504E-50	0.374256	hyper	sig	chr8_71842727
chr17	38855242	38855242	+	1.979E-53	2.2747E-50	-0.39044	hypo	sig	chr17_38855242
chr6	1.7E+08	170177135	+	2.023E-53	2.3217E-50	-0.46732	hypo	sig	chr6_170177135
chr2	55923340	55923340	+	2.098E-53	2.4044E-50	0.403946	hyper	sig	chr2_55923340
chr1	1.71E+08	170661343	+	2.135E-53	2.4435E-50	0.394549	hyper	sig	chr1_170661343
chr6	1.51E+08	151239846	+	2.218E-53	2.5346E-50	0.448926	hyper	sig	chr6_151239846
chr2	2.33E+08	233060185	+	2.227E-53	2.5419E-50	-0.54525	hypo	sig	chr2_233060185
chr1	38575727	38575727	+	2.384E-53	2.7168E-50	-0.5315	hypo	sig	chr1_38575727
chr5	1.7E+08	170279234	+	2.394E-53	2.7248E-50	-0.37222	hypo	sig	chr5_170279234
chr6	1.69E+08	169188761	+	2.568E-53	2.9189E-50	-0.46034	hypo	sig	chr6_169188761
chr12	95548144	95548144	+	2.777E-53	3.1512E-50	0.351668	hyper	sig	chr12_95548144
chr6	1.49E+08	149484995	+	2.933E-53	3.3243E-50	-0.37507	hypo	sig	chr6_149484995
chr16	30948137	30948137	+	2.995E-53	3.3896E-50	0.396623	hyper	sig	chr16_30948137
chr13	1.12E+08	112067984	+	3.048E-53	3.4448E-50	0.409694	hyper	sig	chr13_112067984
chr20	25083230	25083230	+	3.116E-53	3.5162E-50	0.541998	hyper	sig	chr20_25083230
chr12	1.2E+08	119803701	+	3.19E-53	3.5952E-50	0.435861	hyper	sig	chr12_119803701
chr20	4815190	4815190	+	3.22E-53	3.6242E-50	-0.50088	hypo	sig	chr20_4815190
chr16	73056758	73056758	+	3.312E-53	3.7222E-50	0.445092	hyper	sig	chr16_73056758
chr7	27108606	27108606	+	3.321E-53	3.7277E-50	0.443954	hyper	sig	chr7_27108606
chr13	27924744	27924744	+	3.456E-53	3.873E-50	0.499117	hyper	sig	chr13_27924744
chr20	25083205	25083205	+	3.488E-53	3.9044E-50	0.490998	hyper	sig	chr20_25083205

chr6	30110513	30110513	+	3.915E-53	4.376E-50	-0.43816	hypo	sig	chr6_30110513
chr7	8441223	8441223	+	3.925E-53	4.3811E-50	0.42465	hyper	sig	chr7_8441223
chr11	65355947	65355947	+	3.961E-53	4.4149E-50	0.478569	hyper	sig	chr11_65355947
chr17	78592632	78592632	+	4.064E-53	4.5231E-50	-0.37784	hypo	sig	chr17_78592632
chr7	54542439	54542439	+	4.142E-53	4.6046E-50	0.376162	hyper	sig	chr7_54542439
chr14	1.04E+08	103519988	+	4.481E-53	4.9745E-50	0.431283	hyper	sig	chr14_103519988
chr13	1.07E+08	106683308	+	4.528E-53	5.0191E-50	-0.46101	hypo	sig	chr13_106683308
chr17	48726947	48726947	+	4.62E-53	5.1148E-50	0.380379	hyper	sig	chr17_48726947
chr10	1.01E+08	101136710	+	4.679E-53	5.1728E-50	0.366523	hyper	sig	chr10_101136710
chr1	2.28E+08	227775151	+	4.761E-53	5.256E-50	0.442373	hyper	sig	chr1_227775151
chr7	771631	771631	+	4.851E-53	5.3486E-50	0.519734	hyper	sig	chr7_771631
chr2	2.38E+08	238225989	+	5.082E-53	5.595E-50	0.399078	hyper	sig	chr2_238225989
chr17	35774252	35774252	+	5.135E-53	5.6458E-50	0.424431	hyper	sig	chr17_35774252
chr13	93227043	93227043	+	5.336E-53	5.8586E-50	0.447506	hyper	sig	chr13_93227043
chr8	1.41E+08	141147068	+	5.474E-53	6.0021E-50	0.401868	hyper	sig	chr8_141147068
chr5	3592513	3592513	+	5.938E-53	6.5024E-50	0.412258	hyper	sig	chr5_3592513
chr6	1.66E+08	166009244	+	5.975E-53	6.5337E-50	0.340364	hyper	sig	chr6_166009244
chr2	45882948	45882948	+	6.002E-53	6.5554E-50	0.384716	hyper	sig	chr2_45882948
chr7	923078	923078	+	6.046E-53	6.5944E-50	-0.41917	hypo	sig	chr7_923078
chr19	58059100	58059100	+	6.778E-53	7.3825E-50	0.469748	hyper	sig	chr19_58059100
chr17	38855262	38855262	+	6.837E-53	7.4362E-50	-0.36145	hypo	sig	chr17_38855262
chr14	53957127	53957127	+	7.098E-53	7.7108E-50	-0.40863	hypo	sig	chr14_53957127
chr11	65356022	65356022	+	7.375E-53	8.0009E-50	0.462056	hyper	sig	chr11_65356022
chr6	391189	391189	+	7.458E-53	8.0797E-50	0.39205	hyper	sig	chr6_391189
chr7	19107681	19107681	+	7.915E-53	8.563E-50	0.314486	hyper	sig	chr7_19107681
chr19	22286389	22286389	+	7.974E-53	8.6159E-50	0.432557	hyper	sig	chr19_22286389
chr19	36245663	36245663	+	8.078E-53	8.7169E-50	0.374313	hyper	sig	chr19_36245663
chr17	48550945	48550945	+	8.108E-53	8.7369E-50	0.400764	hyper	sig	chr17_48550945
chr7	1.37E+08	136871436	+	8.884E-53	9.5605E-50	0.430874	hyper	sig	chr7_136871436
chr11	94769726	94769726	+	9.223E-53	9.9128E-50	0.411165	hyper	sig	chr11_94769726
chr8	1.41E+08	141358206	+	9.296E-53	9.9772E-50	0.374144	hyper	sig	chr8_141358206
chr14	1.01E+08	101044007	+	9.313E-53	9.9826E-50	-0.42953	hypo	sig	chr14_101044007
chr7	27108585	27108585	+	9.537E-53	1.0209E-49	0.465019	hyper	sig	chr7_27108585
chr19	12156919	12156919	+	9.791E-53	1.0467E-49	0.336685	hyper	sig	chr19_12156919
chr8	11877910	11877910	+	1.006E-52	1.0746E-49	-0.47592	hypo	sig	chr8_11877910
chr7	8442653	8442653	+	1.043E-52	1.1123E-49	0.417892	hyper	sig	chr7_8442653
chr10	1.01E+08	101134543	+	1.072E-52	1.1412E-49	0.369492	hyper	sig	chr10_101134543
chr13	27924107	27924107	+	1.114E-52	1.1851E-49	0.54115	hyper	sig	chr13_27924107
chr16	86580050	86580050	+	1.144E-52	1.2148E-49	0.437562	hyper	sig	chr16_86580050
chr17	45429450	45429450	+	1.217E-52	1.2908E-49	0.435323	hyper	sig	chr17_45429450
chr7	74002855	74002855	+	1.251E-52	1.3256E-49	-0.35773	hypo	sig	chr7_74002855
chr1	2.28E+08	227775528	+	1.279E-52	1.3526E-49	0.426222	hyper	sig	chr1_227775528
chr13	27924372	27924372	+	1.329E-52	1.4047E-49	0.503024	hyper	sig	chr13_27924372
chr11	65355945	65355945	+	1.343E-52	1.4166E-49	0.474989	hyper	sig	chr11_65355945
chr2	1.72E+08	172196987	+	1.362E-52	1.4353E-49	-0.49261	hypo	sig	chr2_172196987
chr9	1.21E+08	120894952	+	1.411E-52	1.4846E-49	0.425644	hyper	sig	chr9_120894952
chr1	2.44E+08	243917676	+	1.457E-52	1.5317E-49	0.38656	hyper	sig	chr1_243917676
chr6	1.46E+08	145737035	+	1.575E-52	1.6534E-49	0.3817	hyper	sig	chr6_145737035
chr13	94705518	94705518	+	1.619E-52	1.6976E-49	0.402415	hyper	sig	chr13_94705518
chr22	27669800	27669800	+	1.779E-52	1.863E-49	-0.45036	hypo	sig	chr22_27669800
chr6	1.66E+08	165663500	+	1.807E-52	1.8896E-49	0.30541	hyper	sig	chr6_165663500
chr17	12242555	12242555	+	1.834E-52	1.9155E-49	0.441396	hyper	sig	chr17_12242555
chr10	57249979	57249979	+	1.842E-52	1.9216E-49	-0.46084	hypo	sig	chr10_57249979
chr17	80502165	80502165	+	1.861E-52	1.9381E-49	0.335913	hyper	sig	chr17_80502165
chr7	56079571	56079571	+	1.906E-52	1.9833E-49	0.526234	hyper	sig	chr7_56079571
chr15	59993507	59993507	+	1.915E-52	1.9898E-49	0.503425	hyper	sig	chr15_59993507

chr13	27927272	27927272	+	1.922E-52	1.9945E-49	0.494927	hyper	sig	chr13_27927272
chr19	1467040	1467040	+	1.972E-52	2.044E-49	0.395994	hyper	sig	chr19_1467040
chr21	30425614	30425614	+	1.977E-52	2.046E-49	-0.43712	hypo	sig	chr21_30425614
chr2	2.38E+08	238225981	+	1.982E-52	2.0489E-49	0.402048	hyper	sig	chr2_238225981
chr11	314350	314350	+	1.988E-52	2.0527E-49	-0.23498	hypo	sig	chr11_314350
chr7	38187101	38187101	+	2.002E-52	2.0644E-49	0.345896	hyper	sig	chr7_38187101
chr16	73056747	73056747	+	2.008E-52	2.0682E-49	0.462432	hyper	sig	chr16_73056747
chr5	1.77E+08	177492608	+	2.037E-52	2.0946E-49	0.384525	hyper	sig	chr5_177492608
chr13	27927276	27927276	+	2.062E-52	2.1184E-49	0.469556	hyper	sig	chr13_27927276
chr5	1.34E+08	134113878	+	2.089E-52	2.1434E-49	0.393709	hyper	sig	chr5_134113878
chr19	45767124	45767124	+	2.275E-52	2.3309E-49	0.427608	hyper	sig	chr19_45767124
chr21	43924667	43924667	+	2.309E-52	2.3624E-49	-0.33206	hypo	sig	chr21_43924667
chr12	9758761	9758761	+	2.375E-52	2.4272E-49	-0.44607	hypo	sig	chr12_9758761
chr9	91421071	91421071	+	2.672E-52	2.7272E-49	0.387423	hyper	sig	chr9_91421071
chr5	1.42E+08	142014129	+	2.679E-52	2.7309E-49	-0.42186	hypo	sig	chr5_142014129
chr2	2.35E+08	234975011	+	2.75E-52	2.8003E-49	0.394818	hyper	sig	chr2_234975011
chr19	46784852	46784852	+	2.755E-52	2.8014E-49	-0.26308	hypo	sig	chr19_46784852
chr3	45167757	45167757	+	2.764E-52	2.8073E-49	-0.26891	hypo	sig	chr3_45167757
chr1	2.44E+08	243917607	+	2.911E-52	2.9528E-49	0.409842	hyper	sig	chr1_243917607
chr2	1.28E+08	128343824	+	2.945E-52	2.9833E-49	-0.4935	hypo	sig	chr2_128343824
chr19	58440459	58440459	+	2.956E-52	2.991E-49	0.333516	hyper	sig	chr19_58440459
chr7	19107661	19107661	+	2.965E-52	2.9967E-49	0.31866	hyper	sig	chr7_19107661
chr7	56079596	56079596	+	3.221E-52	3.2509E-49	0.535602	hyper	sig	chr7_56079596
chr7	1124006	1124006	+	3.372E-52	3.3989E-49	0.412863	hyper	sig	chr7_1124006
chr13	23901721	23901721	+	3.761E-52	3.7864E-49	-0.41287	hypo	sig	chr13_23901721
chr2	74418596	74418596	+	3.81E-52	3.831E-49	0.355128	hyper	sig	chr2_74418596
chr5	43039501	43039501	+	3.986E-52	4.0028E-49	-0.32506	hypo	sig	chr5_43039501
chr16	2236628	2236628	+	4.003E-52	4.0152E-49	0.451374	hyper	sig	chr16_2236628
chr14	1.04E+08	103534161	+	4.107E-52	4.1145E-49	0.453568	hyper	sig	chr14_103534161
chr13	27924774	27924774	+	4.19E-52	4.1926E-49	0.471802	hyper	sig	chr13_27924774
chr7	1761887	1761887	+	4.25E-52	4.2471E-49	-0.51177	hypo	sig	chr7_1761887
chr9	1.36E+08	136361326	+	4.337E-52	4.3287E-49	0.411196	hyper	sig	chr9_136361326
chr2	55923343	55923343	+	4.431E-52	4.4171E-49	0.410267	hyper	sig	chr2_55923343
chr16	85620590	85620590	+	4.788E-52	4.7669E-49	-0.39319	hypo	sig	chr16_85620590
chr13	27922504	27922504	+	4.836E-52	4.8086E-49	0.479787	hyper	sig	chr13_27922504
chr16	383482	383482	+	4.888E-52	4.8549E-49	-0.40909	hypo	sig	chr16_383482
chr13	24511177	24511177	+	5.082E-52	5.0409E-49	-0.35243	hypo	sig	chr13_24511177
chr17	78723528	78723528	+	5.238E-52	5.1859E-49	0.445656	hyper	sig	chr17_78723528
chr8	66432314	66432314	+	5.247E-52	5.1859E-49	0.351534	hyper	sig	chr8_66432314
chr8	1.41E+08	140527569	+	5.247E-52	5.1859E-49	0.465305	hyper	sig	chr8_140527569
chr6	1.68E+08	167678539	+	5.292E-52	5.2236E-49	0.414753	hyper	sig	chr6_167678539
chr15	79090432	79090432	+	5.432E-52	5.3556E-49	0.349617	hyper	sig	chr15_79090432
chr14	53957116	53957116	+	5.495E-52	5.4108E-49	-0.39745	hypo	sig	chr14_53957116
chr16	89733542	89733542	+	5.653E-52	5.56E-49	0.474017	hyper	sig	chr16_89733542
chr20	52104740	52104740	+	5.813E-52	5.7104E-49	0.381072	hyper	sig	chr20_52104740
chr17	78723509	78723509	+	6.096E-52	5.9817E-49	0.451342	hyper	sig	chr17_78723509
chr16	87407956	87407956	+	6.291E-52	6.1655E-49	-0.44137	hypo	sig	chr16_87407956
chr3	47405053	47405053	+	6.457E-52	6.3198E-49	0.459851	hyper	sig	chr3_47405053
chr2	44928073	44928073	+	8.347E-52	8.1601E-49	0.439059	hyper	sig	chr2_44928073
chr13	1.12E+08	111974397	+	9.088E-52	8.8746E-49	0.400784	hyper	sig	chr13_111974397
chr11	22432995	22432995	+	9.156E-52	8.93E-49	0.40519	hyper	sig	chr11_22432995
chr1	2.21E+08	220884848	+	9.694E-52	9.4431E-49	0.500304	hyper	sig	chr1_220884848
chr1	2.21E+08	220884374	+	9.785E-52	9.5202E-49	0.48557	hyper	sig	chr1_220884374
chr11	78670047	78670047	+	9.835E-52	9.5574E-49	-0.42841	hypo	sig	chr11_78670047
chr2	1.83E+08	183262082	+	1.024E-51	9.9372E-49	-0.51805	hypo	sig	chr2_183262082
chr7	1.5E+08	150341403	+	1.035E-51	1.0035E-48	0.504286	hyper	sig	chr7_150341403

chr16	8712797	8712797	+	1.072E-51	1.0382E-48	0.394042	hyper	sig	chr16_8712797
chr11	34204914	34204914	+	1.077E-51	1.0413E-48	-0.42125	hypo	sig	chr11_34204914
chr14	93240219	93240219	+	1.103E-51	1.0651E-48	-0.3394	hypo	sig	chr14_93240219
chr7	54542428	54542428	+	1.133E-51	1.0936E-48	0.418733	hyper	sig	chr7_54542428
chr15	70475324	70475324	+	1.161E-51	1.119E-48	-0.38993	hypo	sig	chr15_70475324
chr19	43774500	43774500	+	1.223E-51	1.1773E-48	0.465132	hyper	sig	chr19_43774500
chr13	93227046	93227046	+	1.242E-51	1.1939E-48	0.446803	hyper	sig	chr13_93227046
chr12	1.15E+08	114697271	+	1.306E-51	1.2537E-48	0.365555	hyper	sig	chr12_114697271
chr11	20671215	20671215	+	1.319E-51	1.2649E-48	0.380749	hyper	sig	chr11_20671215
chr10	1.33E+08	132545072	+	1.325E-51	1.2692E-48	0.433558	hyper	sig	chr10_132545072
chr9	19789287	19789287	+	1.356E-51	1.2979E-48	0.491031	hyper	sig	chr9_19789287
chr13	1.13E+08	112843998	+	1.424E-51	1.3609E-48	0.383583	hyper	sig	chr13_112843998
chr7	27101436	27101436	+	1.465E-51	1.3986E-48	0.447827	hyper	sig	chr7_27101436
chr13	1.02E+08	102401107	+	1.482E-51	1.4133E-48	0.332066	hyper	sig	chr13_102401107
chr14	64550410	64550410	+	1.486E-51	1.4153E-48	-0.34478	hypo	sig	chr14_64550410
chr13	1.01E+08	101416801	+	1.543E-51	1.4681E-48	0.47462	hyper	sig	chr13_101416801
chr16	73064853	73064853	+	1.55E-51	1.4729E-48	-0.37271	hypo	sig	chr16_73064853
chr11	94769731	94769731	+	1.556E-51	1.477E-48	0.420348	hyper	sig	chr11_94769731
chr5	1.41E+08	141430592	+	1.566E-51	1.4847E-48	0.411367	hyper	sig	chr5_141430592
chr13	1.12E+08	112104060	+	1.575E-51	1.4911E-48	0.352058	hyper	sig	chr13_112104060
chr13	1.13E+08	112843994	+	1.586E-51	1.4995E-48	0.384953	hyper	sig	chr13_112843994
chr16	54933864	54933864	+	1.636E-51	1.5452E-48	0.439215	hyper	sig	chr16_54933864
chr11	64759717	64759717	+	1.669E-51	1.5749E-48	0.423269	hyper	sig	chr11_64759717
chr7	45159215	45159215	+	1.701E-51	1.603E-48	-0.48152	hypo	sig	chr7_45159215
chr1	2E+08	200041555	+	1.705E-51	1.6046E-48	0.455649	hyper	sig	chr1_200041555
chr11	504937	504937	+	1.738E-51	1.6337E-48	0.383321	hyper	sig	chr11_504937
chr17	81026887	81026887	+	1.759E-51	1.6519E-48	0.435398	hyper	sig	chr17_81026887
chr11	1558196	1558196	+	1.864E-51	1.7485E-48	0.415266	hyper	sig	chr11_1558196
chr8	42499136	42499136	+	1.875E-51	1.7566E-48	0.434741	hyper	sig	chr8_42499136
chr19	43774425	43774425	+	1.951E-51	1.8256E-48	0.40782	hyper	sig	chr19_43774425
chr16	84795450	84795450	+	1.961E-51	1.8328E-48	0.407872	hyper	sig	chr16_84795450
chr11	1.29E+08	128824329	+	1.997E-51	1.8647E-48	0.441802	hyper	sig	chr11_128824329
chr17	36726345	36726345	+	2.018E-51	1.8817E-48	-0.4612	hypo	sig	chr17_36726345
chr7	3302259	3302259	+	2.106E-51	1.9617E-48	0.355069	hyper	sig	chr7_3302259
chr11	1.29E+08	128824339	+	2.152E-51	2.003E-48	0.440423	hyper	sig	chr11_128824339
chr20	25083529	25083529	+	2.283E-51	2.1217E-48	0.438929	hyper	sig	chr20_25083529
chr19	43774493	43774493	+	2.294E-51	2.1297E-48	0.451178	hyper	sig	chr19_43774493
chr7	1.01E+08	100865762	+	2.376E-51	2.2036E-48	-0.55097	hypo	sig	chr7_100865762
chr1	1.47E+08	147078991	+	2.431E-51	2.2519E-48	0.448725	hyper	sig	chr1_147078991
chr2	1.29E+08	128682221	+	2.468E-51	2.2839E-48	-0.44498	hypo	sig	chr2_128682221
chr16	87407841	87407841	+	2.511E-51	2.3207E-48	-0.47386	hypo	sig	chr16_87407841
chr11	72013358	72013358	+	2.514E-51	2.3211E-48	0.420678	hyper	sig	chr11_72013358
chr10	1.24E+08	124010695	+	2.598E-51	2.3956E-48	0.396565	hyper	sig	chr10_124010695
chr13	27924407	27924407	+	2.699E-51	2.4863E-48	0.413055	hyper	sig	chr13_27924407
chr13	27924366	27924366	+	2.766E-51	2.5415E-48	0.446139	hyper	sig	chr13_27924366
chr13	27924883	27924883	+	2.763E-51	2.5415E-48	0.510272	hyper	sig	chr13_27924883
chr11	45209496	45209496	+	2.801E-51	2.5713E-48	0.466306	hyper	sig	chr11_45209496
chr13	26760117	26760117	+	2.927E-51	2.6838E-48	0.375655	hyper	sig	chr13_26760117
chr1	27572518	27572518	+	2.942E-51	2.6947E-48	0.394	hyper	sig	chr1_27572518
chr13	27927243	27927243	+	3.034E-51	2.7754E-48	0.494199	hyper	sig	chr13_27927243
chr1	1.54E+08	153924114	+	3.181E-51	2.9072E-48	-0.37718	hypo	sig	chr1_153924114
chr21	41765567	41765567	+	3.286E-51	2.9993E-48	-0.4279	hypo	sig	chr21_41765567
chr19	43774461	43774461	+	3.43E-51	3.1265E-48	0.413604	hyper	sig	chr19_43774461
chr7	56079592	56079592	+	3.433E-51	3.1265E-48	0.518505	hyper	sig	chr7_56079592
chr2	2.38E+08	237600541	+	3.693E-51	3.3593E-48	0.432033	hyper	sig	chr2_237600541
chr6	26225314	26225314	+	3.698E-51	3.3601E-48	0.419762	hyper	sig	chr6_26225314

chr16	17469201	17469201	+	4.136E-51	3.7539E-48	0.387357	hyper	sig	chr16_17469201
chr13	1.12E+08	112104165	+	4.173E-51	3.7833E-48	0.385119	hyper	sig	chr13_112104165
chr2	2.32E+08	232387158	+	4.2E-51	3.8034E-48	0.420587	hyper	sig	chr2_232387158
chr8	1.44E+08	143944873	+	4.321E-51	3.9092E-48	0.412503	hyper	sig	chr8_143944873
chr1	1.68E+08	168242972	+	4.338E-51	3.9202E-48	0.401136	hyper	sig	chr1_168242972
chr7	1.51E+08	151367412	+	4.36E-51	3.935E-48	0.43392	hyper	sig	chr7_151367412
chr7	1.58E+08	157706981	+	4.484E-51	4.043E-48	-0.41236	hypo	sig	chr7_157706981
chr1	2.08E+08	207669835	+	4.505E-51	4.0573E-48	0.37932	hyper	sig	chr1_207669835
chr6	1.68E+08	167678450	+	4.548E-51	4.0913E-48	0.436056	hyper	sig	chr6_167678450
chr5	1.41E+08	141387677	+	4.631E-51	4.1615E-48	0.389219	hyper	sig	chr5_141387677
chr2	44933306	44933306	+	4.791E-51	4.3003E-48	0.403649	hyper	sig	chr2_44933306
chr2	1.19E+08	118857944	+	4.835E-51	4.3352E-48	0.347766	hyper	sig	chr2_118857944
chr3	38634372	38634372	+	4.969E-51	4.4508E-48	-0.43384	hypo	sig	chr3_38634372
chr16	30948109	30948109	+	5.096E-51	4.5593E-48	0.418327	hyper	sig	chr16_30948109
chr7	771660	771660	+	5.137E-51	4.591E-48	0.5291	hyper	sig	chr7_771660
chr20	38728201	38728201	+	5.147E-51	4.5943E-48	0.44927	hyper	sig	chr20_38728201
chr7	842397	842397	+	5.238E-51	4.6707E-48	0.385639	hyper	sig	chr7_842397
chr1	2.08E+08	207819131	+	5.369E-51	4.7826E-48	0.37579	hyper	sig	chr1_207819131
chr13	1.06E+08	106377057	+	5.734E-51	5.1015E-48	-0.37373	hypo	sig	chr13_106377057
chr8	1.44E+08	144074375	+	5.862E-51	5.2097E-48	-0.40815	hypo	sig	chr8_144074375
chr4	1.84E+08	184268200	+	6.007E-51	5.3333E-48	-0.48669	hypo	sig	chr4_184268200
chr15	59993545	59993545	+	6.293E-51	5.5804E-48	0.457151	hyper	sig	chr15_59993545
chr11	68370782	68370782	+	6.337E-51	5.6135E-48	0.429585	hyper	sig	chr11_68370782
chr20	31473831	31473831	+	6.348E-51	5.6169E-48	-0.43972	hypo	sig	chr20_31473831
chr3	49902969	49902969	+	6.385E-51	5.6439E-48	-0.44032	hypo	sig	chr3_49902969
chr12	5946264	5946264	+	6.558E-51	5.7905E-48	-0.4797	hypo	sig	chr12_5946264
chr8	1.01E+08	100900116	+	6.575E-51	5.799E-48	-0.46836	hypo	sig	chr8_100900116
chr2	1.82E+08	181684873	+	6.732E-51	5.9244E-48	0.429203	hyper	sig	chr2_181684873
chr22	31104411	31104411	+	6.729E-51	5.9244E-48	0.460256	hyper	sig	chr22_31104411
chr1	35561044	35561044	+	6.74E-51	5.9254E-48	0.475794	hyper	sig	chr1_35561044
chr1	1.53E+08	152774996	+	6.928E-51	6.0837E-48	-0.46182	hypo	sig	chr1_152774996
chr10	1.01E+08	101136862	+	7.484E-51	6.5648E-48	0.385599	hyper	sig	chr10_101136862
chr1	35561047	35561047	+	7.495E-51	6.5681E-48	0.499007	hyper	sig	chr1_35561047
chr6	1.57E+08	156662097	+	7.68E-51	6.7223E-48	-0.56965	hypo	sig	chr6_156662097
chr17	38855351	38855351	+	7.704E-51	6.7366E-48	-0.3682	hypo	sig	chr17_38855351
chr13	78597067	78597067	+	7.796E-51	6.8097E-48	0.369445	hyper	sig	chr13_78597067
chr15	70475303	70475303	+	7.819E-51	6.8225E-48	-0.35436	hypo	sig	chr15_70475303
chr6	1.33E+08	133242291	+	7.964E-51	6.9413E-48	0.394959	hyper	sig	chr6_133242291
chr13	1.13E+08	113109900	+	8.282E-51	7.2108E-48	0.530646	hyper	sig	chr13_113109900
chr4	6322902	6322902	+	8.89E-51	7.7317E-48	-0.51051	hypo	sig	chr4_6322902
chr11	394258	394258	+	9.628E-51	8.3647E-48	-0.44954	hypo	sig	chr11_394258
chr7	1.57E+08	157297352	+	9.667E-51	8.3898E-48	-0.47527	hypo	sig	chr7_157297352
chr2	44933277	44933277	+	9.943E-51	8.6196E-48	0.48155	hyper	sig	chr2_44933277
chr1	2.08E+08	207669846	+	9.967E-51	8.6311E-48	0.359802	hyper	sig	chr1_207669846
chr6	1.68E+08	167678485	+	9.977E-51	8.6311E-48	0.400833	hyper	sig	chr6_167678485
chr1	37557006	37557006	+	1.021E-50	8.8202E-48	0.376336	hyper	sig	chr1_37557006
chr1	2.35E+08	234963355	+	1.058E-50	9.1226E-48	-0.27652	hypo	sig	chr1_234963355
chr12	95548177	95548177	+	1.058E-50	9.1226E-48	0.381795	hyper	sig	chr12_95548177
chr7	771317	771317	+	1.065E-50	9.1714E-48	0.533804	hyper	sig	chr7_771317
chr4	3649734	3649734	+	1.089E-50	9.3595E-48	-0.42805	hypo	sig	chr4_3649734
chr7	4739720	4739720	+	1.089E-50	9.3595E-48	0.417304	hyper	sig	chr7_4739720
chr19	58440468	58440468	+	1.095E-50	9.4034E-48	0.311611	hyper	sig	chr19_58440468
chr7	4767274	4767274	+	1.114E-50	9.5525E-48	0.370412	hyper	sig	chr7_4767274
chr6	26225331	26225331	+	1.116E-50	9.5636E-48	0.426032	hyper	sig	chr6_26225331
chr6	1.1E+08	110357714	+	1.14E-50	9.7578E-48	0.395095	hyper	sig	chr6_110357714
chr13	27924370	27924370	+	1.161E-50	9.927E-48	0.489907	hyper	sig	chr13_27924370

chr13	1.14E+08	114005180	+	1.193E-50	1.0184E-47	-0.5151	hypo	sig	chr13_114005180
chr15	69462270	69462270	+	1.194E-50	1.0184E-47	-0.45396	hypo	sig	chr15_69462270
chr3	1.96E+08	196338635	+	1.232E-50	1.0502E-47	-0.56325	hypo	sig	chr3_196338635
chr16	67649822	67649822	+	1.369E-50	1.1657E-47	0.407099	hyper	sig	chr16_67649822
chr7	1.52E+08	152136804	+	1.388E-50	1.1803E-47	0.39671	hyper	sig	chr7_152136804
chr7	1.59E+08	158783065	+	1.389E-50	1.1805E-47	0.424194	hyper	sig	chr7_158783065
chr6	26225281	26225281	+	1.394E-50	1.1831E-47	0.372741	hyper	sig	chr6_26225281
chr7	2281831	2281831	+	1.418E-50	1.2022E-47	0.459035	hyper	sig	chr7_2281831
chr7	4767263	4767263	+	1.422E-50	1.2044E-47	0.360781	hyper	sig	chr7_4767263
chr6	1.68E+08	167678447	+	1.435E-50	1.2142E-47	0.455503	hyper	sig	chr6_167678447
chr2	47193753	47193753	+	1.444E-50	1.2207E-47	0.30503	hyper	sig	chr2_47193753
chr20	3237854	3237854	+	1.515E-50	1.2796E-47	0.432736	hyper	sig	chr20_3237854
chr19	15115272	15115272	+	1.605E-50	1.3538E-47	0.448492	hyper	sig	chr19_15115272
chr14	28774247	28774247	+	1.617E-50	1.3625E-47	0.360506	hyper	sig	chr14_28774247
chr17	80502187	80502187	+	1.658E-50	1.3957E-47	0.358524	hyper	sig	chr17_80502187
chr6	1.68E+08	167678532	+	1.672E-50	1.4062E-47	0.404053	hyper	sig	chr6_167678532
chr19	4555936	4555936	+	1.691E-50	1.4208E-47	-0.5728	hypo	sig	chr19_4555936
chr1	1.47E+08	147079011	+	1.699E-50	1.426E-47	0.46741	hyper	sig	chr1_147079011
chr1	37556991	37556991	+	1.744E-50	1.462E-47	0.358928	hyper	sig	chr1_37556991
chr7	3302238	3302238	+	1.824E-50	1.5278E-47	0.350876	hyper	sig	chr7_3302238
chr6	52994309	52994309	+	1.913E-50	1.6001E-47	0.396542	hyper	sig	chr6_52994309
chr6	31927442	31927442	+	1.928E-50	1.6115E-47	-0.40913	hypo	sig	chr6_31927442
chr10	3287647	3287647	+	1.996E-50	1.6663E-47	-0.40549	hypo	sig	chr10_3287647
chr7	771576	771576	+	2.026E-50	1.6894E-47	0.536338	hyper	sig	chr7_771576
chr16	81645385	81645385	+	2.052E-50	1.7098E-47	0.379752	hyper	sig	chr16_81645385
chr7	27106767	27106767	+	2.091E-50	1.7401E-47	0.487442	hyper	sig	chr7_27106767
chr7	23709978	23709978	+	2.117E-50	1.7598E-47	-0.43671	hypo	sig	chr7_23709978
chr8	71844700	71844700	+	2.125E-50	1.7647E-47	0.383949	hyper	sig	chr8_71844700
chr17	38855225	38855225	+	2.141E-50	1.7768E-47	-0.38968	hypo	sig	chr17_38855225
chr17	38855230	38855230	+	2.166E-50	1.7944E-47	-0.39165	hypo	sig	chr17_38855230
chr5	1.34E+08	134113892	+	2.167E-50	1.7944E-47	0.367295	hyper	sig	chr5_134113892
chr19	3398902	3398902	+	2.214E-50	1.8315E-47	0.472274	hyper	sig	chr19_3398902
chr19	43774473	43774473	+	2.221E-50	1.8353E-47	0.425849	hyper	sig	chr19_43774473
chr13	1.14E+08	114005191	+	2.307E-50	1.9048E-47	-0.49881	hypo	sig	chr13_114005191
chr16	10694894	10694894	+	2.339E-50	1.9287E-47	-0.40645	hypo	sig	chr16_10694894
chr5	1.12E+08	112329851	+	2.343E-50	1.93E-47	-0.44402	hypo	sig	chr5_112329851
chr11	65356045	65356045	+	2.383E-50	1.9613E-47	0.426811	hyper	sig	chr11_65356045
chr19	23003142	23003142	+	2.39E-50	1.9653E-47	0.380273	hyper	sig	chr19_23003142
chr13	1.02E+08	101917544	+	2.414E-50	1.9826E-47	0.36922	hyper	sig	chr13_101917544
chr10	1.01E+08	101134537	+	2.435E-50	1.9979E-47	0.358569	hyper	sig	chr10_101134537
chr16	54932647	54932647	+	2.491E-50	2.0419E-47	0.430003	hyper	sig	chr16_54932647
chr13	51861911	51861911	+	2.497E-50	2.0443E-47	-0.4386	hypo	sig	chr13_51861911
chr2	7031762	7031762	+	2.509E-50	2.052E-47	-0.3892	hypo	sig	chr2_7031762
chr21	43924676	43924676	+	2.674E-50	2.1853E-47	-0.36051	hypo	sig	chr21_43924676
chr14	28774249	28774249	+	2.929E-50	2.3913E-47	0.37369	hyper	sig	chr14_28774249
chr8	1.41E+08	141147041	+	2.942E-50	2.3992E-47	0.407569	hyper	sig	chr8_141147041
chr11	43559568	43559568	+	3.027E-50	2.466E-47	-0.43399	hypo	sig	chr11_43559568
chr13	27927024	27927024	+	3.118E-50	2.5357E-47	0.447455	hyper	sig	chr13_27927024
chr5	3591057	3591057	+	3.119E-50	2.5357E-47	0.382804	hyper	sig	chr5_3591057
chr8	1.41E+08	141164550	+	3.304E-50	2.6833E-47	0.389187	hyper	sig	chr8_141164550
chr12	1.17E+08	116559339	+	3.394E-50	2.751E-47	-0.30177	hypo	sig	chr12_116559339
chr7	2281827	2281827	+	3.392E-50	2.751E-47	0.459398	hyper	sig	chr7_2281827
chr10	1.3E+08	130013341	+	3.694E-50	2.9912E-47	0.388079	hyper	sig	chr10_130013341
chr7	90118724	90118724	+	3.775E-50	3.0541E-47	0.293497	hyper	sig	chr7_90118724
chr11	504930	504930	+	3.846E-50	3.1085E-47	0.410129	hyper	sig	chr11_504930
chr8	1866571	1866571	+	3.899E-50	3.148E-47	0.384652	hyper	sig	chr8_1866571

chr19	58440491	58440491	+	3.957E-50	3.1918E-47	0.291187	hyper	sig	chr19_58440491
chr5	1.46E+08	146342944	+	4.203E-50	3.387E-47	0.429036	hyper	sig	chr5_146342944
chr5	1.46E+08	146339106	+	4.24E-50	3.4132E-47	0.367345	hyper	sig	chr5_146339106
chr6	436675	436675	+	4.258E-50	3.4245E-47	-0.46375	hypo	sig	chr6_436675
chr17	34156651	34156651	+	4.263E-50	3.4248E-47	0.396704	hyper	sig	chr17_34156651
chr10	486347	486347	+	4.303E-50	3.4538E-47	0.350306	hyper	sig	chr10_486347
chr2	44937584	44937584	+	4.314E-50	3.4592E-47	0.372395	hyper	sig	chr2_44937584
chr6	1E+08	100464223	+	4.39E-50	3.5164E-47	0.356219	hyper	sig	chr6_100464223
chr15	60944877	60944877	+	4.427E-50	3.5427E-47	-0.44799	hypo	sig	chr15_60944877
chr11	75564267	75564267	+	4.585E-50	3.6652E-47	0.404791	hyper	sig	chr11_75564267
chr3	1.6E+08	160039148	+	4.591E-50	3.6663E-47	0.362425	hyper	sig	chr3_160039148
chr2	1691513	1691513	+	4.628E-50	3.6922E-47	-0.4608	hypo	sig	chr2_1691513
chr7	5303192	5303192	+	4.639E-50	3.6975E-47	-0.46601	hypo	sig	chr7_5303192
chr13	93227034	93227034	+	4.654E-50	3.7059E-47	0.440797	hyper	sig	chr13_93227034
chr14	1.01E+08	101060807	+	4.747E-50	3.776E-47	-0.41538	hypo	sig	chr14_101060807
chr5	11384624	11384624	+	4.805E-50	3.8186E-47	0.356329	hyper	sig	chr5_11384624
chr6	1.57E+08	156662209	+	4.813E-50	3.8215E-47	-0.40065	hypo	sig	chr6_156662209
chr3	73622912	73622912	+	4.948E-50	3.9247E-47	0.395804	hyper	sig	chr3_73622912
chr17	45429446	45429446	+	5.066E-50	4.0141E-47	0.408323	hyper	sig	chr17_45429446
chr14	50875602	50875602	+	5.192E-50	4.1105E-47	-0.37672	hypo	sig	chr14_50875602
chr16	2127302	2127302	+	5.264E-50	4.1635E-47	0.349971	hyper	sig	chr16_2127302
chr2	2.41E+08	241049984	+	5.502E-50	4.3468E-47	0.550401	hyper	sig	chr2_241049984
chr7	27101448	27101448	+	5.574E-50	4.3994E-47	0.439372	hyper	sig	chr7_27101448
chr5	1.34E+08	134113882	+	5.756E-50	4.5394E-47	0.383475	hyper	sig	chr5_134113882
chr13	1.14E+08	114005080	+	5.903E-50	4.6506E-47	-0.49171	hypo	sig	chr13_114005080
chr1	1.97E+08	196808928	+	6.112E-50	4.8102E-47	-0.4248	hypo	sig	chr1_196808928
chr20	24470857	24470857	+	6.138E-50	4.8261E-47	0.394706	hyper	sig	chr20_24470857
chr14	73718721	73718721	+	6.435E-50	5.0545E-47	0.405075	hyper	sig	chr14_73718721
chr13	1.09E+08	109125543	+	6.607E-50	5.1852E-47	-0.42438	hypo	sig	chr13_109125543
chr17	77834704	77834704	+	6.74E-50	5.284E-47	-0.36076	hypo	sig	chr17_77834704
chr11	72013364	72013364	+	6.951E-50	5.4441E-47	0.400649	hyper	sig	chr11_72013364
chr7	1.01E+08	100865794	+	6.961E-50	5.4468E-47	-0.47523	hypo	sig	chr7_100865794
chr3	52835516	52835516	+	7.251E-50	5.6686E-47	0.362266	hyper	sig	chr3_52835516
chr7	1672418	1672418	+	7.439E-50	5.8096E-47	-0.3968	hypo	sig	chr7_1672418
chr11	1.17E+08	117203623	+	8.151E-50	6.3597E-47	0.351311	hyper	sig	chr11_117203623
chr13	1.12E+08	112249083	+	8.254E-50	6.4335E-47	0.387815	hyper	sig	chr13_112249083
chr11	1.17E+08	117203628	+	8.311E-50	6.4719E-47	0.347567	hyper	sig	chr11_117203628
chr7	868373	868373	+	8.871E-50	6.9014E-47	0.340758	hyper	sig	chr7_868373
chr1	2.26E+08	225898160	+	8.902E-50	6.9189E-47	-0.40043	hypo	sig	chr1_225898160
chr11	1.29E+08	128696114	+	9.304E-50	7.2248E-47	-0.48737	hypo	sig	chr11_128696114
chr19	58059098	58059098	+	9.734E-50	7.551E-47	0.458034	hyper	sig	chr19_58059098
chr10	55628540	55628540	+	1.007E-49	7.8066E-47	0.35616	hyper	sig	chr10_55628540
chr16	1531089	1531089	+	1.047E-49	8.1042E-47	0.459444	hyper	sig	chr16_1531089
chr13	27924375	27924375	+	1.077E-49	8.3316E-47	0.466372	hyper	sig	chr13_27924375
chr10	55630115	55630115	+	1.109E-49	8.5683E-47	0.420034	hyper	sig	chr10_55630115
chr8	42499168	42499168	+	1.143E-49	8.8228E-47	0.441405	hyper	sig	chr8_42499168
chr7	2110373	2110373	+	1.145E-49	8.8309E-47	-0.52461	hypo	sig	chr7_2110373
chr19	22286722	22286722	+	1.154E-49	8.8935E-47	0.423066	hyper	sig	chr19_22286722
chr19	8399654	8399654	+	1.161E-49	8.9419E-47	0.332299	hyper	sig	chr19_8399654
chr7	1.02E+08	101923577	+	1.183E-49	9.0961E-47	0.353042	hyper	sig	chr7_101923577
chr9	1.28E+08	127525613	+	1.219E-49	9.3636E-47	0.337626	hyper	sig	chr9_127525613
chr13	25171808	25171808	+	1.289E-49	9.893E-47	0.426447	hyper	sig	chr13_25171808
chr8	66432318	66432318	+	1.3E-49	9.9717E-47	0.348683	hyper	sig	chr8_66432318
chr13	91402983	91402983	+	1.306E-49	1.001E-46	-0.45457	hypo	sig	chr13_91402983
chr8	66432667	66432667	+	1.32E-49	1.0103E-46	0.470139	hyper	sig	chr8_66432667
chr2	2.06E+08	205696081	+	1.326E-49	1.0141E-46	0.354305	hyper	sig	chr2_205696081

chr10	1.01E+08	101136683	+	1.349E-49	1.0306E-46	0.346342	hyper	sig	chr10_101136683
chr1	1539782	1539782	+	1.397E-49	1.0661E-46	0.445075	hyper	sig	chr1_1539782
chr2	2.01E+08	201125943	+	1.409E-49	1.0745E-46	-0.28873	hypo	sig	chr2_201125943
chr19	58440447	58440447	+	1.454E-49	1.1078E-46	0.322283	hyper	sig	chr19_58440447
chr12	6946503	6946503	+	1.498E-49	1.1406E-46	-0.33382	hypo	sig	chr12_6946503
chr9	1.3E+08	129620859	+	1.503E-49	1.1428E-46	0.399533	hyper	sig	chr9_129620859
chr10	1.16E+08	116272569	+	1.513E-49	1.1493E-46	0.332965	hyper	sig	chr10_116272569
chr12	95548189	95548189	+	1.544E-49	1.1718E-46	0.363324	hyper	sig	chr12_95548189
chr1	2.21E+08	220894834	+	1.577E-49	1.1962E-46	0.480624	hyper	sig	chr1_220894834
chr10	1.01E+08	101134648	+	1.639E-49	1.2415E-46	0.3635	hyper	sig	chr10_101134648
chr11	67646929	67646929	+	1.658E-49	1.2549E-46	-0.46308	hypo	sig	chr11_67646929
chr13	1.12E+08	112105440	+	1.713E-49	1.2955E-46	0.588438	hyper	sig	chr13_112105440
chr13	1.13E+08	112638696	+	1.79E-49	1.3522E-46	-0.46627	hypo	sig	chr13_112638696
chr2	2.02E+08	202036728	+	1.804E-49	1.3614E-46	0.403571	hyper	sig	chr2_202036728
chr13	27924971	27924971	+	1.83E-49	1.3797E-46	0.596716	hyper	sig	chr13_27924971
chr14	75430653	75430653	+	1.843E-49	1.3885E-46	0.434549	hyper	sig	chr14_75430653
chr2	7031775	7031775	+	1.911E-49	1.4386E-46	-0.38696	hypo	sig	chr2_7031775
chr2	2.33E+08	233469776	+	1.921E-49	1.4449E-46	0.395567	hyper	sig	chr2_233469776
chr12	49974352	49974352	+	1.987E-49	1.4929E-46	0.429253	hyper	sig	chr12_49974352
chr17	80919593	80919593	+	2.066E-49	1.5509E-46	0.336386	hyper	sig	chr17_80919593
chr12	1.17E+08	116559402	+	2.141E-49	1.6053E-46	-0.29345	hypo	sig	chr12_116559402
chr11	65356138	65356138	+	2.205E-49	1.6524E-46	0.405774	hyper	sig	chr11_65356138
chr19	58059074	58059074	+	2.274E-49	1.7021E-46	0.46014	hyper	sig	chr19_58059074
chr6	1.61E+08	160767546	+	2.28E-49	1.7048E-46	0.323139	hyper	sig	chr6_160767546
chr5	1.77E+08	177495956	+	2.282E-49	1.705E-46	0.300331	hyper	sig	chr5_177495956
chr19	58009779	58009779	+	2.39E-49	1.7841E-46	0.33194	hyper	sig	chr19_58009779
chr13	52849914	52849914	+	2.395E-49	1.7862E-46	0.470568	hyper	sig	chr13_52849914
chr1	2497443	2497443	+	2.398E-49	1.7868E-46	-0.47262	hypo	sig	chr1_2497443
chr11	3123522	3123522	+	2.431E-49	1.8098E-46	0.399004	hyper	sig	chr11_3123522
chr7	1.56E+08	155951880	+	2.493E-49	1.8544E-46	-0.4674	hypo	sig	chr7_155951880
chr7	1761859	1761859	+	2.569E-49	1.9088E-46	-0.4978	hypo	sig	chr7_1761859
chr8	1.44E+08	144050406	+	2.797E-49	2.0767E-46	0.432279	hyper	sig	chr8_144050406
chr12	52189540	52189540	+	2.834E-49	2.1018E-46	-0.42306	hypo	sig	chr12_52189540
chr13	36154843	36154843	+	2.842E-49	2.1064E-46	0.423375	hyper	sig	chr13_36154843
chr15	60627321	60627321	+	2.894E-49	2.1424E-46	-0.37521	hypo	sig	chr15_60627321
chr13	77918978	77918978	+	2.9E-49	2.145E-46	0.339391	hyper	sig	chr13_77918978
chr22	46374283	46374283	+	2.922E-49	2.1596E-46	-0.37936	hypo	sig	chr22_46374283
chr11	71615586	71615586	+	2.926E-49	2.1601E-46	-0.43522	hypo	sig	chr11_71615586
chr1	2.28E+08	227775131	+	3.052E-49	2.2512E-46	0.474002	hyper	sig	chr1_227775131
chr6	26225256	26225256	+	3.078E-49	2.2685E-46	0.365476	hyper	sig	chr6_26225256
chr16	383550	383550	+	3.098E-49	2.2808E-46	-0.4045	hypo	sig	chr16_383550
chr19	43774361	43774361	+	3.102E-49	2.2819E-46	0.483601	hyper	sig	chr19_43774361
chr12	84912014	84912014	+	3.141E-49	2.3085E-46	0.409002	hyper	sig	chr12_84912014
chr19	38975303	38975303	+	3.158E-49	2.3188E-46	0.418705	hyper	sig	chr19_38975303
chr20	38728186	38728186	+	3.227E-49	2.3679E-46	0.468172	hyper	sig	chr20_38728186
chr5	3591060	3591060	+	3.244E-49	2.3778E-46	0.362086	hyper	sig	chr5_3591060
chr13	1.1E+08	110308153	+	3.385E-49	2.4789E-46	0.368912	hyper	sig	chr13_110308153
chr13	1.12E+08	112345718	+	3.398E-49	2.4864E-46	-0.43082	hypo	sig	chr13_112345718
chr1	2.44E+08	243917605	+	3.463E-49	2.5314E-46	0.396541	hyper	sig	chr1_243917605
chr8	1.44E+08	144074358	+	3.541E-49	2.586E-46	-0.46647	hypo	sig	chr8_144074358
chr11	60757080	60757080	+	3.557E-49	2.5957E-46	-0.37757	hypo	sig	chr11_60757080
chr8	1.41E+08	141147019	+	3.57E-49	2.6025E-46	0.359032	hyper	sig	chr8_141147019
chr5	1.41E+08	140672521	+	3.688E-49	2.6865E-46	0.441417	hyper	sig	chr5_140672521
chr3	49902684	49902684	+	3.699E-49	2.6918E-46	-0.43852	hypo	sig	chr3_49902684
chr7	1.3E+08	130385581	+	3.925E-49	2.8541E-46	-0.51374	hypo	sig	chr7_130385581
chr10	73867386	73867386	+	3.972E-49	2.8855E-46	0.393618	hyper	sig	chr10_73867386

chr2	27078350	27078350	+	4.211E-49	3.0564E-46	0.446193	hyper	sig	chr2_27078350
chr7	1.08E+08	107659921	+	4.311E-49	3.126E-46	-0.44409	hypo	sig	chr7_107659921
chr7	27108549	27108549	+	4.418E-49	3.2006E-46	0.45618	hyper	sig	chr7_27108549
chr1	1539763	1539763	+	4.642E-49	3.3603E-46	0.429778	hyper	sig	chr1_1539763
chr5	43034447	43034447	+	4.687E-49	3.3894E-46	0.36382	hyper	sig	chr5_43034447
chr16	1266210	1266210	+	4.912E-49	3.5495E-46	-0.47461	hypo	sig	chr16_1266210
chr13	36674121	36674121	+	5.128E-49	3.7021E-46	0.375853	hyper	sig	chr13_36674121
chr8	58013928	58013928	+	5.187E-49	3.7413E-46	-0.43782	hypo	sig	chr8_58013928
chr13	52849918	52849918	+	5.229E-49	3.7679E-46	0.490774	hyper	sig	chr13_52849918
chr15	93430692	93430692	+	5.265E-49	3.7909E-46	-0.38961	hypo	sig	chr15_93430692
chr11	65356010	65356010	+	5.289E-49	3.8048E-46	0.455836	hyper	sig	chr11_65356010
chr1	2.05E+08	204687622	+	5.318E-49	3.8224E-46	-0.45066	hypo	sig	chr1_204687622
chr10	70256440	70256440	+	5.45E-49	3.9134E-46	-0.45396	hypo	sig	chr10_70256440
chr1	2.28E+08	227775550	+	5.472E-49	3.9261E-46	0.418367	hyper	sig	chr1_227775550
chr6	1.61E+08	160767497	+	5.483E-49	3.9305E-46	0.385911	hyper	sig	chr6_160767497
chr13	1.12E+08	111893041	+	5.542E-49	3.9694E-46	0.409249	hyper	sig	chr13_111893041
chr3	45167743	45167743	+	5.551E-49	3.9722E-46	-0.22222	hypo	sig	chr3_45167743
chr12	63151503	63151503	+	5.683E-49	4.063E-46	0.404238	hyper	sig	chr12_63151503
chr8	1.44E+08	143944903	+	5.878E-49	4.1983E-46	0.398235	hyper	sig	chr8_143944903
chr7	27106783	27106783	+	5.905E-49	4.2143E-46	0.469261	hyper	sig	chr7_27106783
chr11	32427653	32427653	+	6.056E-49	4.3185E-46	0.370162	hyper	sig	chr11_32427653
chr7	4767261	4767261	+	6.086E-49	4.3318E-46	0.353334	hyper	sig	chr7_4767261
chr8	1.44E+08	143944862	+	6.086E-49	4.3318E-46	0.384254	hyper	sig	chr8_143944862
chr10	1.01E+08	101136692	+	6.317E-49	4.4924E-46	0.362939	hyper	sig	chr10_101136692
chr19	51010618	51010618	+	6.332E-49	4.4989E-46	-0.49639	hypo	sig	chr19_51010618
chr10	1.01E+08	101136702	+	6.37E-49	4.5219E-46	0.390151	hyper	sig	chr10_101136702
chr13	93228589	93228589	+	6.452E-49	4.5766E-46	0.355704	hyper	sig	chr13_93228589
chr16	2130208	2130208	+	6.858E-49	4.8603E-46	0.428368	hyper	sig	chr16_2130208
chr7	54542423	54542423	+	6.903E-49	4.8878E-46	0.413456	hyper	sig	chr7_54542423
chr13	1.07E+08	106683284	+	7.058E-49	4.993E-46	-0.45173	hypo	sig	chr13_106683284
chr7	1.52E+08	151745267	+	7.073E-49	4.9994E-46	-0.43637	hypo	sig	chr7_151745267
chr14	41608465	41608465	+	7.913E-49	5.5882E-46	0.422207	hyper	sig	chr14_41608465
chr8	1.17E+08	116935544	+	8.041E-49	5.6741E-46	-0.4357	hypo	sig	chr8_116935544
chr19	17445258	17445258	+	8.089E-49	5.6977E-46	-0.46547	hypo	sig	chr19_17445258
chr8	72538341	72538341	+	8.087E-49	5.6977E-46	0.422968	hyper	sig	chr8_72538341
chr6	1.68E+08	167678452	+	8.336E-49	5.8669E-46	0.436511	hyper	sig	chr6_167678452
chr7	93890223	93890223	+	8.39E-49	5.8995E-46	0.364773	hyper	sig	chr7_93890223
chr11	394262	394262	+	8.423E-49	5.9172E-46	-0.42699	hypo	sig	chr11_394262
chr19	42067250	42067250	+	8.574E-49	6.0186E-46	-0.41151	hypo	sig	chr19_42067250
chr13	27928407	27928407	+	8.799E-49	6.1709E-46	0.495551	hyper	sig	chr13_27928407
chr12	1.15E+08	114697240	+	8.964E-49	6.2816E-46	0.352091	hyper	sig	chr12_114697240
chr1	1.47E+08	147079000	+	9.191E-49	6.4352E-46	0.443839	hyper	sig	chr1_147079000
chr8	1.08E+08	108083595	+	9.524E-49	6.662E-46	0.437864	hyper	sig	chr8_108083595
chr2	2.39E+08	239311348	+	9.612E-49	6.7067E-46	0.390187	hyper	sig	chr2_239311348
chr5	1.34E+08	134113900	+	9.604E-49	6.7067E-46	0.340742	hyper	sig	chr5_134113900
chr7	27103052	27103052	+	9.597E-49	6.7067E-46	0.470332	hyper	sig	chr7_27103052
chr7	867089	867089	+	9.667E-49	6.7389E-46	0.453702	hyper	sig	chr7_867089
chr1	2.21E+08	220884476	+	9.8E-49	6.8262E-46	0.456863	hyper	sig	chr1_220884476
chr11	62986472	62986472	+	1.019E-48	7.0897E-46	-0.42488	hypo	sig	chr11_62986472
chr16	85620620	85620620	+	1.029E-48	7.1524E-46	-0.38222	hypo	sig	chr16_85620620
chr20	58306957	58306957	+	1.053E-48	7.3174E-46	-0.41883	hypo	sig	chr20_58306957
chr8	1.41E+08	140527576	+	1.055E-48	7.3256E-46	0.454273	hyper	sig	chr8_140527576
chr16	29157435	29157435	+	1.068E-48	7.3994E-46	-0.42799	hypo	sig	chr16_29157435
chr19	58203982	58203982	+	1.067E-48	7.3994E-46	0.450627	hyper	sig	chr19_58203982
chr3	1.7E+08	169822707	+	1.078E-48	7.4645E-46	-0.51696	hypo	sig	chr3_169822707
chr10	1.01E+08	101136639	+	1.099E-48	7.5997E-46	0.373596	hyper	sig	chr10_101136639

chr13	77919531	77919531	+	1.147E-48	7.9274E-46	0.376802	hyper	sig	chr13_77919531
chr19	49133301	49133301	+	1.153E-48	7.9647E-46	0.412434	hyper	sig	chr19_49133301
chr1	2E+08	200041155	+	1.163E-48	8.0217E-46	0.386076	hyper	sig	chr1_200041155
chr8	49910605	49910605	+	1.194E-48	8.2347E-46	0.384479	hyper	sig	chr8_49910605
chr6	26225159	26225159	+	1.241E-48	8.5482E-46	0.381823	hyper	sig	chr6_26225159
chr17	82297585	82297585	+	1.285E-48	8.8471E-46	-0.30752	hypo	sig	chr17_82297585
chr1	2.21E+08	220884836	+	1.291E-48	8.8769E-46	0.471318	hyper	sig	chr1_220884836
chr6	436684	436684	+	1.298E-48	8.9196E-46	-0.47153	hypo	sig	chr6_436684
chr6	1E+08	100464215	+	1.317E-48	9.0402E-46	0.373322	hyper	sig	chr6_100464215
chr2	71720799	71720799	+	1.34E-48	9.1947E-46	-0.42382	hypo	sig	chr2_71720799
chr11	20163130	20163130	+	1.397E-48	9.576E-46	0.339809	hyper	sig	chr11_20163130
chr8	1.44E+08	143944958	+	1.419E-48	9.7192E-46	0.385864	hyper	sig	chr8_143944958
chr7	93890200	93890200	+	1.428E-48	9.7705E-46	0.359742	hyper	sig	chr7_93890200
chr16	51156276	51156276	+	1.472E-48	1.0065E-45	0.45034	hyper	sig	chr16_51156276
chr7	772149	772149	+	1.492E-48	1.0194E-45	0.349988	hyper	sig	chr7_772149
chr11	43559625	43559625	+	1.498E-48	1.0224E-45	-0.4253	hypo	sig	chr11_43559625
chr22	41699364	41699364	+	1.515E-48	1.0331E-45	0.317369	hyper	sig	chr22_41699364
chr10	93069279	93069279	+	1.54E-48	1.0495E-45	0.368639	hyper	sig	chr10_93069279
chr14	68632399	68632399	+	1.542E-48	1.05E-45	0.310142	hyper	sig	chr14_68632399
chr5	33297838	33297838	+	1.565E-48	1.0645E-45	-0.38028	hypo	sig	chr5_33297838
chr2	44933300	44933300	+	1.609E-48	1.0933E-45	0.414056	hyper	sig	chr2_44933300
chr9	1045724	1045724	+	1.658E-48	1.1259E-45	0.361125	hyper	sig	chr9_1045724
chr1	2.08E+08	207669822	+	1.667E-48	1.1311E-45	0.384156	hyper	sig	chr1_207669822
chr11	15938402	15938402	+	1.707E-48	1.1564E-45	0.379627	hyper	sig	chr11_15938402
chr14	41608467	41608467	+	1.707E-48	1.1564E-45	0.428136	hyper	sig	chr14_41608467
chr19	54365039	54365039	+	1.722E-48	1.1654E-45	-0.34656	hypo	sig	chr19_54365039
chr11	68370795	68370795	+	1.73E-48	1.1698E-45	0.402477	hyper	sig	chr11_68370795
chr6	1.68E+08	167678470	+	1.747E-48	1.1806E-45	0.405327	hyper	sig	chr6_167678470
chr13	24511508	24511508	+	1.774E-48	1.1975E-45	-0.31251	hypo	sig	chr13_24511508
chr17	80086349	80086349	+	1.783E-48	1.2026E-45	-0.50286	hypo	sig	chr17_80086349
chr8	1.44E+08	143574086	+	1.802E-48	1.2147E-45	-0.36412	hypo	sig	chr8_143574086
chr1	37557002	37557002	+	1.863E-48	1.2545E-45	0.377514	hyper	sig	chr1_37557002
chr19	45767134	45767134	+	1.892E-48	1.2728E-45	0.407458	hyper	sig	chr19_45767134
chr3	1.56E+08	156289998	+	1.894E-48	1.2733E-45	-0.44701	hypo	sig	chr3_156289998
chr7	1.5E+08	150340208	+	1.926E-48	1.2936E-45	0.380779	hyper	sig	chr7_150340208
chr1	2.05E+08	205449282	+	1.93E-48	1.2952E-45	-0.44079	hypo	sig	chr1_205449282
chr6	1.33E+08	133242270	+	1.948E-48	1.3064E-45	0.374318	hyper	sig	chr6_133242270
chr2	2.33E+08	233060187	+	1.951E-48	1.3073E-45	-0.51276	hypo	sig	chr2_233060187
chr11	71615661	71615661	+	1.955E-48	1.3092E-45	-0.47935	hypo	sig	chr11_71615661
chr12	1.22E+08	122059432	+	1.971E-48	1.3183E-45	0.328081	hyper	sig	chr12_122059432
chr1	1007118	1007118	+	1.975E-48	1.32E-45	-0.38848	hypo	sig	chr1_1007118
chr10	486379	486379	+	2.004E-48	1.3385E-45	0.346702	hyper	sig	chr10_486379
chr2	1654447	1654447	+	2.019E-48	1.3475E-45	-0.44777	hypo	sig	chr2_1654447
chr14	90546018	90546018	+	2.024E-48	1.3484E-45	0.39396	hyper	sig	chr14_90546018
chr20	17318705	17318705	+	2.023E-48	1.3484E-45	-0.4071	hypo	sig	chr20_17318705
chr11	628744	628744	+	2.057E-48	1.3692E-45	-0.47588	hypo	sig	chr11_628744
chr1	50417700	50417700	+	2.063E-48	1.372E-45	0.385544	hyper	sig	chr1_50417700
chr11	1152513	1152513	+	2.246E-48	1.4923E-45	-0.39189	hypo	sig	chr11_1152513
chr11	20207988	20207988	+	2.418E-48	1.6055E-45	0.472586	hyper	sig	chr11_20207988
chr10	55628523	55628523	+	2.424E-48	1.6081E-45	0.316345	hyper	sig	chr10_55628523
chr12	1.31E+08	131000167	+	2.442E-48	1.6187E-45	-0.3963	hypo	sig	chr12_131000167
chr19	44757186	44757186	+	2.471E-48	1.6365E-45	0.429555	hyper	sig	chr19_44757186
chr16	69564514	69564514	+	2.484E-48	1.6429E-45	-0.39195	hypo	sig	chr16_69564514
chr4	1.84E+08	184009321	+	2.484E-48	1.6429E-45	-0.41299	hypo	sig	chr4_184009321
chr19	45767114	45767114	+	2.521E-48	1.6659E-45	0.413106	hyper	sig	chr19_45767114
chr2	27308352	27308352	+	2.664E-48	1.759E-45	0.365144	hyper	sig	chr2_27308352

chr13	36345551	36345551	+	2.724E-48	1.797E-45	0.357651	hyper	sig	chr13_36345551
chr11	32437110	32437110	+	2.782E-48	1.8338E-45	0.367949	hyper	sig	chr11_32437110
chr13	1.12E+08	112105405	+	2.802E-48	1.8455E-45	0.560683	hyper	sig	chr13_112105405
chr20	45316737	45316737	+	2.897E-48	1.9064E-45	0.473837	hyper	sig	chr20_45316737
chr7	93890245	93890245	+	2.985E-48	1.9627E-45	0.379579	hyper	sig	chr7_93890245
chr1	15090626	15090626	+	3.003E-48	1.9731E-45	-0.38788	hypo	sig	chr1_15090626
chr8	71842735	71842735	+	3.008E-48	1.9745E-45	0.364066	hyper	sig	chr8_71842735
chr19	43774379	43774379	+	3.276E-48	2.1491E-45	0.44667	hyper	sig	chr19_43774379
chr8	42499119	42499119	+	3.28E-48	2.1496E-45	0.433983	hyper	sig	chr8_42499119
chr2	83878373	83878373	+	3.335E-48	2.1841E-45	-0.39933	hypo	sig	chr2_83878373
chr16	86580035	86580035	+	3.348E-48	2.1912E-45	0.42984	hyper	sig	chr16_86580035
chr9	98118678	98118678	+	3.358E-48	2.1957E-45	-0.42596	hypo	sig	chr9_98118678
chr5	3591068	3591068	+	3.458E-48	2.259E-45	0.382704	hyper	sig	chr5_3591068
chr2	68655126	68655126	+	3.466E-48	2.2628E-45	-0.43533	hypo	sig	chr2_68655126
chr9	1.21E+08	120894968	+	3.522E-48	2.2973E-45	0.405961	hyper	sig	chr9_120894968
chr15	59993492	59993492	+	3.579E-48	2.3324E-45	0.492548	hyper	sig	chr15_59993492
chr10	55628713	55628713	+	3.601E-48	2.345E-45	0.361978	hyper	sig	chr10_55628713
chr5	95495	95495	+	3.624E-48	2.3584E-45	-0.46288	hypo	sig	chr5_95495
chr6	32073901	32073901	+	3.662E-48	2.3811E-45	-0.43845	hypo	sig	chr6_32073901
chr8	1.44E+08	143574159	+	3.7E-48	2.4039E-45	-0.37622	hypo	sig	chr8_143574159
chr11	65355917	65355917	+	3.726E-48	2.4186E-45	0.448612	hyper	sig	chr11_65355917
chr13	1.01E+08	101416818	+	3.744E-48	2.4286E-45	0.423715	hyper	sig	chr13_101416818
chr6	1.61E+08	160767549	+	3.783E-48	2.4516E-45	0.304402	hyper	sig	chr6_160767549
chr1	1539784	1539784	+	3.906E-48	2.5293E-45	0.455551	hyper	sig	chr1_1539784
chr7	19107561	19107561	+	3.93E-48	2.5431E-45	0.36397	hyper	sig	chr7_19107561
chr13	1.13E+08	113495720	+	3.953E-48	2.5558E-45	0.379561	hyper	sig	chr13_113495720
chr1	2.21E+08	220894842	+	3.968E-48	2.5634E-45	0.438993	hyper	sig	chr1_220894842
chr16	15143899	15143899	+	4.022E-48	2.5965E-45	0.526763	hyper	sig	chr16_15143899
chr2	81985299	81985299	+	4.204E-48	2.7116E-45	-0.46869	hypo	sig	chr2_81985299
chr11	20208007	20208007	+	4.318E-48	2.7833E-45	0.460975	hyper	sig	chr11_20208007
chr12	1.2E+08	119803690	+	4.358E-48	2.8063E-45	0.418166	hyper	sig	chr12_119803690
chr13	1.12E+08	112068005	+	4.368E-48	2.8106E-45	0.376907	hyper	sig	chr13_112068005
chr11	1.29E+08	128824350	+	4.399E-48	2.8286E-45	0.38906	hyper	sig	chr11_128824350
chr8	1.44E+08	144046922	+	4.578E-48	2.9415E-45	-0.45791	hypo	sig	chr8_144046922
chr2	53860097	53860097	+	4.599E-48	2.9521E-45	0.58597	hyper	sig	chr2_53860097
chr8	1.01E+08	100900104	+	4.676E-48	2.9995E-45	-0.45488	hypo	sig	chr8_100900104
chr13	35697772	35697772	+	4.729E-48	3.0313E-45	-0.42468	hypo	sig	chr13_35697772
chr4	36243802	36243802	+	4.769E-48	3.0541E-45	-0.23419	hypo	sig	chr4_36243802
chr16	87407835	87407835	+	4.774E-48	3.0553E-45	-0.46256	hypo	sig	chr16_87407835
chr10	1.01E+08	100830433	+	4.805E-48	3.0725E-45	0.399053	hyper	sig	chr10_100830433
chr7	1753463	1753463	+	4.867E-48	3.1094E-45	-0.29584	hypo	sig	chr7_1753463
chr3	1.82E+08	181696429	+	5.12E-48	3.2685E-45	0.317784	hyper	sig	chr3_181696429
chr16	30948121	30948121	+	5.235E-48	3.3398E-45	0.390657	hyper	sig	chr16_30948121
chr8	1.44E+08	143899483	+	5.399E-48	3.4418E-45	-0.49119	hypo	sig	chr8_143899483
chr6	26225161	26225161	+	5.438E-48	3.4633E-45	0.37294	hyper	sig	chr6_26225161
chr3	1.7E+08	169822700	+	5.675E-48	3.6118E-45	-0.51941	hypo	sig	chr3_169822700
chr8	96159653	96159653	+	5.767E-48	3.6674E-45	0.393199	hyper	sig	chr8_96159653
chr10	1.16E+08	116272572	+	6.045E-48	3.8412E-45	0.328731	hyper	sig	chr10_116272572
chr4	1.7E+08	170091384	+	6.116E-48	3.8833E-45	-0.48664	hypo	sig	chr4_170091384
chr1	2.21E+08	220881273	+	6.165E-48	3.9114E-45	0.395994	hyper	sig	chr1_220881273
chr19	36797515	36797515	+	6.344E-48	4.0214E-45	0.341567	hyper	sig	chr19_36797515
chr5	3591063	3591063	+	6.538E-48	4.1415E-45	0.366772	hyper	sig	chr5_3591063
chr20	40688559	40688559	+	6.592E-48	4.1721E-45	0.366966	hyper	sig	chr20_40688559
chr19	57889094	57889094	+	6.913E-48	4.372E-45	0.354102	hyper	sig	chr19_57889094
chr8	1.44E+08	144050418	+	7.132E-48	4.507E-45	0.480968	hyper	sig	chr8_144050418
chr11	1.2E+08	119615731	+	7.204E-48	4.5493E-45	-0.40757	hypo	sig	chr11_119615731

chr13	1.01E+08	101416821	+	7.288E-48	4.5989E-45	0.42449	hyper	sig	chr13_101416821
chr1	35561033	35561033	+	7.383E-48	4.6548E-45	0.450464	hyper	sig	chr1_35561033
chr10	1.01E+08	100830452	+	7.591E-48	4.7825E-45	0.360562	hyper	sig	chr10_100830452
chr2	2.4E+08	239528021	+	7.79E-48	4.9042E-45	-0.40789	hypo	sig	chr2_239528021
chr7	27101323	27101323	+	8.689E-48	5.4658E-45	0.476206	hyper	sig	chr7_27101323
chr9	1.1E+08	109783071	+	8.723E-48	5.4828E-45	-0.43694	hypo	sig	chr9_109783071
chr1	2.28E+08	227775146	+	8.949E-48	5.616E-45	0.442245	hyper	sig	chr1_227775146
chr1	2.28E+08	227775435	+	8.947E-48	5.616E-45	0.495453	hyper	sig	chr1_227775435
chr2	1.87E+08	186849328	+	8.998E-48	5.6427E-45	0.332084	hyper	sig	chr2_186849328
chr7	54542629	54542629	+	9.318E-48	5.8388E-45	0.434624	hyper	sig	chr7_54542629
chr13	99497057	99497057	+	9.39E-48	5.8794E-45	-0.38499	hypo	sig	chr13_99497057
chr17	78853015	78853015	+	9.467E-48	5.9229E-45	-0.36138	hypo	sig	chr17_78853015
chr10	89833423	89833423	+	9.487E-48	5.9309E-45	-0.36326	hypo	sig	chr10_89833423
chr1	2073842	2073842	+	1.005E-47	6.2807E-45	0.44816	hyper	sig	chr1_2073842
chr14	1.04E+08	103519913	+	1.012E-47	6.3173E-45	0.383963	hyper	sig	chr14_103519913
chr10	1.33E+08	133108255	+	1.018E-47	6.3473E-45	-0.42556	hypo	sig	chr10_133108255
chr12	1.31E+08	131000119	+	1.018E-47	6.3473E-45	-0.3482	hypo	sig	chr12_131000119
chr11	94769658	94769658	+	1.022E-47	6.3622E-45	0.348195	hyper	sig	chr11_94769658
chr14	95227484	95227484	+	1.045E-47	6.5029E-45	0.322028	hyper	sig	chr14_95227484
chr1	25567265	25567265	+	1.058E-47	6.5777E-45	0.405964	hyper	sig	chr1_25567265
chr2	2.32E+08	232387994	+	1.073E-47	6.6644E-45	0.477283	hyper	sig	chr2_232387994
chr6	26225354	26225354	+	1.09E-47	6.7691E-45	0.426015	hyper	sig	chr6_26225354
chr2	1.19E+08	118857981	+	1.148E-47	7.1246E-45	0.338685	hyper	sig	chr2_118857981
chr8	71844697	71844697	+	1.182E-47	7.328E-45	0.385813	hyper	sig	chr8_71844697
chr7	90118945	90118945	+	1.287E-47	7.9699E-45	0.319547	hyper	sig	chr7_90118945
chr12	6553413	6553413	+	1.29E-47	7.9868E-45	0.387421	hyper	sig	chr12_6553413
chr7	1.52E+08	151745265	+	1.304E-47	8.0661E-45	-0.43411	hypo	sig	chr7_151745265
chr20	57394197	57394197	+	1.322E-47	8.1706E-45	0.568247	hyper	sig	chr20_57394197
chr14	97795062	97795062	+	1.332E-47	8.226E-45	-0.3771	hypo	sig	chr14_97795062
chr7	2572505	2572505	+	1.343E-47	8.2848E-45	-0.44978	hypo	sig	chr7_2572505
chr10	1.01E+08	101136653	+	1.357E-47	8.3682E-45	0.366646	hyper	sig	chr10_101136653
chr1	1.53E+08	153390496	+	1.377E-47	8.4842E-45	-0.40495	hypo	sig	chr1_153390496
chr7	35186142	35186142	+	1.381E-47	8.5032E-45	0.298772	hyper	sig	chr7_35186142
chr7	65869490	65869490	+	1.417E-47	8.717E-45	-0.48616	hypo	sig	chr7_65869490
chr5	1.41E+08	140672514	+	1.432E-47	8.7999E-45	0.432563	hyper	sig	chr5_140672514
chr3	1.92E+08	192408409	+	1.436E-47	8.8235E-45	0.335691	hyper	sig	chr3_192408409
chr15	69462303	69462303	+	1.444E-47	8.8643E-45	-0.37384	hypo	sig	chr15_69462303
chr11	269356	269356	+	1.461E-47	8.9622E-45	-0.41557	hypo	sig	chr11_269356
chr17	48726979	48726979	+	1.487E-47	9.1107E-45	0.361221	hyper	sig	chr17_48726979
chr6	30769454	30769454	+	1.497E-47	9.1701E-45	-0.26428	hypo	sig	chr6_30769454
chr17	81027170	81027170	+	1.499E-47	9.1729E-45	0.431561	hyper	sig	chr17_81027170
chr17	50551155	50551155	+	1.548E-47	9.4677E-45	0.398904	hyper	sig	chr17_50551155
chr10	1182508	1182508	+	1.593E-47	9.7346E-45	-0.43666	hypo	sig	chr10_1182508
chr10	491278	491278	+	1.622E-47	9.9063E-45	0.435254	hyper	sig	chr10_491278
chr7	868127	868127	+	1.631E-47	9.9503E-45	0.464767	hyper	sig	chr7_868127
chr1	47434634	47434634	+	1.669E-47	1.0176E-44	0.353643	hyper	sig	chr1_47434634
chr19	22286731	22286731	+	1.701E-47	1.0362E-44	0.418488	hyper	sig	chr19_22286731
chr2	66433004	66433004	+	1.708E-47	1.0394E-44	0.310897	hyper	sig	chr2_66433004
chr17	3981673	3981673	+	1.739E-47	1.0576E-44	0.319166	hyper	sig	chr17_3981673
chr13	46170310	46170310	+	1.752E-47	1.0648E-44	-0.49837	hypo	sig	chr13_46170310
chr9	1.27E+08	126702912	+	1.753E-47	1.0648E-44	-0.41116	hypo	sig	chr9_126702912
chr13	1.13E+08	112844021	+	1.849E-47	1.1219E-44	0.381573	hyper	sig	chr13_112844021
chr2	1.19E+08	118857983	+	1.879E-47	1.1393E-44	0.331615	hyper	sig	chr2_118857983
chr8	1.41E+08	140527920	+	1.917E-47	1.1619E-44	0.404792	hyper	sig	chr8_140527920
chr5	1.41E+08	141339115	+	1.922E-47	1.1635E-44	0.365327	hyper	sig	chr5_141339115
chr8	64378730	64378730	+	1.923E-47	1.1635E-44	0.344767	hyper	sig	chr8_64378730

chr6	28634862	28634862	+	2E-47	1.2096E-44	0.37655	hyper	sig	chr6_28634862
chr15	85413687	85413687	+	2.002E-47	1.2097E-44	-0.31168	hypo	sig	chr15_85413687
chr17	82297574	82297574	+	2.005E-47	1.2102E-44	-0.32653	hypo	sig	chr17_82297574
chr7	1.52E+08	151745318	+	2.05E-47	1.2369E-44	-0.38356	hypo	sig	chr7_151745318
chr12	84912020	84912020	+	2.053E-47	1.238E-44	0.435396	hyper	sig	chr12_84912020
chr11	57647164	57647164	+	2.056E-47	1.2386E-44	0.390514	hyper	sig	chr11_57647164
chr11	15938428	15938428	+	2.069E-47	1.2453E-44	0.362696	hyper	sig	chr11_15938428
chr9	1.37E+08	136882477	+	2.097E-47	1.2614E-44	-0.34657	hypo	sig	chr9_136882477
chr6	36131337	36131337	+	2.126E-47	1.2781E-44	-0.36265	hypo	sig	chr6_36131337
chr14	94388758	94388758	+	2.135E-47	1.2825E-44	-0.3846	hypo	sig	chr14_94388758
chr16	73056802	73056802	+	2.189E-47	1.3138E-44	0.393776	hyper	sig	chr16_73056802
chr16	1169510	1169510	+	2.203E-47	1.3213E-44	0.51954	hyper	sig	chr16_1169510
chr5	88678687	88678687	+	2.207E-47	1.3228E-44	0.38898	hyper	sig	chr5_88678687
chr14	95227482	95227482	+	2.222E-47	1.3305E-44	0.348952	hyper	sig	chr14_95227482
chr6	33128278	33128278	+	2.251E-47	1.3473E-44	-0.37494	hypo	sig	chr6_33128278
chr7	37449333	37449333	+	2.277E-47	1.3613E-44	0.347473	hyper	sig	chr7_37449333
chr3	1.23E+08	123447586	+	2.3E-47	1.3744E-44	0.396935	hyper	sig	chr3_123447586
chr16	70726048	70726048	+	2.319E-47	1.3848E-44	0.402242	hyper	sig	chr16_70726048
chr3	1.7E+08	169822326	+	2.339E-47	1.3953E-44	-0.54863	hypo	sig	chr3_169822326
chr17	78592683	78592683	+	2.378E-47	1.4181E-44	-0.43676	hypo	sig	chr17_78592683
chr13	1.12E+08	112105400	+	2.49E-47	1.4836E-44	0.55791	hyper	sig	chr13_112105400
chr7	87599548	87599548	+	2.499E-47	1.4875E-44	-0.47244	hypo	sig	chr7_87599548
chr4	1309980	1309980	+	2.557E-47	1.5211E-44	0.445588	hyper	sig	chr4_1309980
chr1	2.28E+08	227775476	+	2.572E-47	1.5292E-44	0.408355	hyper	sig	chr1_227775476
chr13	21919672	21919672	+	2.579E-47	1.532E-44	-0.44959	hypo	sig	chr13_21919672
chr1	2.21E+08	220884466	+	2.604E-47	1.5456E-44	0.445196	hyper	sig	chr1_220884466
chr13	27924862	27924862	+	2.633E-47	1.5619E-44	0.503434	hyper	sig	chr13_27924862
chr8	11982288	11982288	+	2.641E-47	1.5654E-44	-0.28943	hypo	sig	chr8_11982288
chr17	1187184	1187184	+	2.676E-47	1.5849E-44	0.396364	hyper	sig	chr17_1187184
chr13	93228375	93228375	+	2.686E-47	1.5897E-44	0.519753	hyper	sig	chr13_93228375
chr17	76872643	76872643	+	2.74E-47	1.6205E-44	-0.35928	hypo	sig	chr17_76872643
chr6	1.68E+08	167678390	+	2.767E-47	1.6353E-44	0.406692	hyper	sig	chr6_167678390
chr16	3064929	3064929	+	2.797E-47	1.6519E-44	-0.41701	hypo	sig	chr16_3064929
chr8	1.41E+08	141147051	+	2.86E-47	1.6878E-44	0.378669	hyper	sig	chr8_141147051
chr20	50730036	50730036	+	2.921E-47	1.7227E-44	-0.5311	hypo	sig	chr20_50730036
chr17	31696409	31696409	+	2.926E-47	1.7245E-44	0.431355	hyper	sig	chr17_31696409
chr10	1.16E+08	116272578	+	2.944E-47	1.7337E-44	0.346709	hyper	sig	chr10_116272578
chr7	19107622	19107622	+	2.956E-47	1.7395E-44	0.312896	hyper	sig	chr7_19107622
chr13	21683997	21683997	+	2.975E-47	1.7495E-44	-0.43518	hypo	sig	chr13_21683997
chr17	76700703	76700703	+	2.999E-47	1.7619E-44	0.392048	hyper	sig	chr17_76700703
chr5	43033941	43033941	+	3.004E-47	1.7636E-44	0.363902	hyper	sig	chr5_43033941
chr10	1.01E+08	101136832	+	3.06E-47	1.7955E-44	0.395979	hyper	sig	chr10_101136832
chr13	36674143	36674143	+	3.093E-47	1.8136E-44	0.346647	hyper	sig	chr13_36674143
chr8	1.13E+08	113432832	+	3.143E-47	1.8416E-44	0.355902	hyper	sig	chr8_113432832
chr5	1.75E+08	174732004	+	3.155E-47	1.8468E-44	0.352228	hyper	sig	chr5_174732004
chr6	1.7E+08	170177120	+	3.162E-47	1.8501E-44	-0.46115	hypo	sig	chr6_170177120
chr6	50707888	50707888	+	3.172E-47	1.8541E-44	0.400946	hyper	sig	chr6_50707888
chr21	36702788	36702788	+	3.245E-47	1.8959E-44	0.359561	hyper	sig	chr21_36702788
chr13	1.12E+08	112104182	+	3.266E-47	1.9052E-44	0.392969	hyper	sig	chr13_112104182
chr5	1.41E+08	141484982	+	3.266E-47	1.9052E-44	0.361907	hyper	sig	chr5_141484982
chr12	49974327	49974327	+	3.315E-47	1.9327E-44	0.427025	hyper	sig	chr12_49974327
chr22	46374414	46374414	+	3.349E-47	1.9506E-44	-0.36785	hypo	sig	chr22_46374414
chr7	4739600	4739600	+	3.351E-47	1.9506E-44	0.400157	hyper	sig	chr7_4739600
chr5	3592604	3592604	+	3.399E-47	1.9771E-44	0.388383	hyper	sig	chr5_3592604
chr9	1.3E+08	130175438	+	3.462E-47	2.0122E-44	0.381589	hyper	sig	chr9_130175438
chr20	25082141	25082141	+	3.483E-47	2.0233E-44	0.437984	hyper	sig	chr20_25082141

chr1	31939485	31939485	+	3.521E-47	2.042E-44	-0.44965	hypo	sig	chr1_31939485
chr13	36154826	36154826	+	3.52E-47	2.042E-44	0.41361	hyper	sig	chr13_36154826
chr8	1.43E+08	143155108	+	3.523E-47	2.0421E-44	-0.42094	hypo	sig	chr8_143155108
chr14	99215371	99215371	+	3.597E-47	2.0835E-44	0.432127	hyper	sig	chr14_99215371
chr2	55923338	55923338	+	3.666E-47	2.1219E-44	0.358127	hyper	sig	chr2_55923338
chr3	28572488	28572488	+	3.676E-47	2.126E-44	-0.38815	hypo	sig	chr3_28572488
chr13	1.08E+08	107882796	+	3.741E-47	2.1608E-44	-0.4091	hypo	sig	chr13_107882796
chr3	1.38E+08	137761340	+	3.741E-47	2.1608E-44	0.439644	hyper	sig	chr3_137761340
chr6	1.6E+08	160259083	+	3.819E-47	2.2041E-44	0.393615	hyper	sig	chr6_160259083
chr3	49902765	49902765	+	3.959E-47	2.283E-44	-0.37669	hypo	sig	chr3_49902765
chr7	772106	772106	+	3.994E-47	2.302E-44	0.328724	hyper	sig	chr7_772106
chr13	1.13E+08	113098343	+	4.141E-47	2.3847E-44	0.3709	hyper	sig	chr13_113098343
chr20	25083491	25083491	+	4.177E-47	2.4038E-44	0.43247	hyper	sig	chr20_25083491
chr12	72273501	72273501	+	4.215E-47	2.4238E-44	0.405473	hyper	sig	chr12_72273501
chr7	19107611	19107611	+	4.254E-47	2.4446E-44	0.342974	hyper	sig	chr7_19107611
chr13	1.02E+08	102401132	+	4.395E-47	2.524E-44	0.294637	hyper	sig	chr13_102401132
chr5	1.34E+08	134113954	+	4.674E-47	2.6825E-44	0.390904	hyper	sig	chr5_134113954
chr11	3000864	3000864	+	4.744E-47	2.7208E-44	0.438388	hyper	sig	chr11_3000864
chr19	44757192	44757192	+	4.761E-47	2.7283E-44	0.448246	hyper	sig	chr19_44757192
chr2	1.19E+08	118857976	+	5.008E-47	2.8681E-44	0.348573	hyper	sig	chr2_118857976
chr13	23680157	23680157	+	5.032E-47	2.8793E-44	-0.45189	hypo	sig	chr13_23680157
chr19	3604806	3604806	+	5.051E-47	2.8882E-44	-0.41068	hypo	sig	chr19_3604806
chr6	52994311	52994311	+	5.115E-47	2.9227E-44	0.386468	hyper	sig	chr6_52994311
chr12	1.2E+08	120100900	+	5.12E-47	2.9236E-44	0.416586	hyper	sig	chr12_120100900
chr6	32068501	32068501	+	5.246E-47	2.9917E-44	-0.38124	hypo	sig	chr6_32068501
chr8	66963225	66963225	+	5.244E-47	2.9917E-44	0.370316	hyper	sig	chr8_66963225
chr2	2.37E+08	237413658	+	5.253E-47	2.9936E-44	0.421132	hyper	sig	chr2_237413658
chr10	486340	486340	+	5.283E-47	3.0064E-44	0.350552	hyper	sig	chr10_486340
chr19	11193856	11193856	+	5.283E-47	3.0064E-44	0.467403	hyper	sig	chr19_11193856
chr12	95549188	95549188	+	5.671E-47	3.2245E-44	0.326868	hyper	sig	chr12_95549188
chr22	36324188	36324188	+	5.707E-47	3.2432E-44	0.379823	hyper	sig	chr22_36324188
chr3	1.9E+08	190321352	+	5.725E-47	3.2508E-44	-0.42739	hypo	sig	chr3_190321352
chr7	99539386	99539386	+	5.851E-47	3.3198E-44	-0.38046	hypo	sig	chr7_99539386
chr8	66432353	66432353	+	5.875E-47	3.3313E-44	0.316309	hyper	sig	chr8_66432353
chr19	44757161	44757161	+	5.909E-47	3.3482E-44	0.377763	hyper	sig	chr19_44757161
chr7	19107745	19107745	+	5.916E-47	3.35E-44	0.374063	hyper	sig	chr7_19107745
chr4	8191626	8191626	+	5.946E-47	3.3647E-44	-0.41166	hypo	sig	chr4_8191626
chr2	1.2E+08	120466228	+	5.956E-47	3.3679E-44	-0.43181	hypo	sig	chr2_120466228
chr1	2.44E+08	243917683	+	6.048E-47	3.4174E-44	0.37413	hyper	sig	chr1_243917683
chr8	1.44E+08	144050430	+	6.064E-47	3.4244E-44	0.483026	hyper	sig	chr8_144050430
chr13	1.12E+08	112105409	+	6.148E-47	3.4693E-44	0.511567	hyper	sig	chr13_112105409
chr7	98133256	98133256	+	6.226E-47	3.5109E-44	-0.37476	hypo	sig	chr7_98133256
chr15	79090440	79090440	+	6.41E-47	3.6122E-44	0.333155	hyper	sig	chr15_79090440
chr22	50045056	50045056	+	6.512E-47	3.6672E-44	-0.42352	hypo	sig	chr22_50045056
chr21	43924695	43924695	+	6.522E-47	3.6701E-44	-0.35663	hypo	sig	chr21_43924695
chr7	1753441	1753441	+	6.541E-47	3.6783E-44	-0.28458	hypo	sig	chr7_1753441
chr6	32221833	32221833	+	6.565E-47	3.6893E-44	-0.42137	hypo	sig	chr6_32221833
chr7	27103061	27103061	+	6.706E-47	3.7656E-44	0.451768	hyper	sig	chr7_27103061
chr22	46661647	46661647	+	6.749E-47	3.7872E-44	-0.41373	hypo	sig	chr22_46661647
chr2	27308265	27308265	+	6.785E-47	3.8051E-44	0.406021	hyper	sig	chr2_27308265
chr1	35561057	35561057	+	6.888E-47	3.8599E-44	0.489418	hyper	sig	chr1_35561057
chr5	1.59E+08	159341968	+	6.902E-47	3.8653E-44	-0.36045	hypo	sig	chr5_159341968
chr11	1.29E+08	128757365	+	6.916E-47	3.8705E-44	-0.37269	hypo	sig	chr11_128757365
chr3	1.96E+08	195804427	+	7.249E-47	4.0538E-44	-0.40033	hypo	sig	chr3_195804427
chr1	27341567	27341567	+	7.311E-47	4.0855E-44	-0.34895	hypo	sig	chr1_27341567
chr3	1.8E+08	180324936	+	7.463E-47	4.1679E-44	-0.40889	hypo	sig	chr3_180324936

chr16	11088129	11088129	+	7.535E-47	4.2054E-44	0.324973	hyper	sig	chr16_11088129
chr5	6349401	6349401	+	7.543E-47	4.2065E-44	-0.43317	hypo	sig	chr5_6349401
chr11	3123567	3123567	+	7.553E-47	4.2095E-44	0.450798	hyper	sig	chr11_3123567
chr19	58440462	58440462	+	7.685E-47	4.2799E-44	0.30262	hyper	sig	chr19_58440462
chr1	1.13E+08	112850557	+	7.827E-47	4.3558E-44	-0.39735	hypo	sig	chr1_112850557
chr10	1.3E+08	130013648	+	7.93E-47	4.4103E-44	0.37237	hyper	sig	chr10_130013648
chr11	15938455	15938455	+	7.962E-47	4.4222E-44	0.374273	hyper	sig	chr11_15938455
chr16	67966096	67966096	+	7.958E-47	4.4222E-44	0.434805	hyper	sig	chr16_67966096
chr4	1.63E+08	162984879	+	8.064E-47	4.4754E-44	-0.38648	hypo	sig	chr4_162984879
chr11	20163128	20163128	+	8.104E-47	4.4946E-44	0.326827	hyper	sig	chr11_20163128
chr4	1.84E+08	184268170	+	8.124E-47	4.5028E-44	-0.44629	hypo	sig	chr4_184268170
chr19	4555932	4555932	+	8.203E-47	4.5438E-44	-0.55611	hypo	sig	chr19_4555932
chr3	1.84E+08	184337550	+	8.24E-47	4.5609E-44	0.432516	hyper	sig	chr3_184337550
chr8	1.08E+08	108083554	+	8.268E-47	4.5734E-44	0.447776	hyper	sig	chr8_108083554
chr3	1.7E+08	169822509	+	8.36E-47	4.621E-44	-0.45219	hypo	sig	chr3_169822509
chr2	55923364	55923364	+	8.377E-47	4.6274E-44	0.342814	hyper	sig	chr2_55923364
chr10	43791575	43791575	+	8.419E-47	4.6475E-44	-0.3786	hypo	sig	chr10_43791575
chr7	27108588	27108588	+	8.445E-47	4.6584E-44	0.442409	hyper	sig	chr7_27108588
chr9	2623562	2623562	+	8.463E-47	4.6655E-44	0.396685	hyper	sig	chr9_2623562
chr11	1558166	1558166	+	8.491E-47	4.6773E-44	0.399924	hyper	sig	chr11_1558166
chr1	1.44E+08	143904645	+	9.704E-47	5.3385E-44	0.469322	hyper	sig	chr1_143904645
chr10	1.01E+08	101136825	+	9.701E-47	5.3385E-44	0.391318	hyper	sig	chr10_101136825
chr13	25171795	25171795	+	9.746E-47	5.3577E-44	0.422224	hyper	sig	chr13_25171795
chr19	42096107	42096107	+	9.793E-47	5.3799E-44	0.534727	hyper	sig	chr19_42096107
chr8	1.44E+08	144074422	+	9.916E-47	5.4441E-44	-0.4117	hypo	sig	chr8_144074422
chr14	56797587	56797587	+	9.961E-47	5.4652E-44	0.380744	hyper	sig	chr14_56797587
chr10	1.01E+08	101136672	+	1.006E-46	5.5181E-44	0.376622	hyper	sig	chr10_101136672
chr7	1.5E+08	150341493	+	1.022E-46	5.5988E-44	0.449818	hyper	sig	chr7_150341493
chr6	1E+08	100464240	+	1.026E-46	5.6189E-44	0.363364	hyper	sig	chr6_100464240
chr20	32589473	32589473	+	1.04E-46	5.6907E-44	-0.52029	hypo	sig	chr20_32589473
chr10	510504	510504	+	1.066E-46	5.8311E-44	0.364354	hyper	sig	chr10_510504
chr1	8212141	8212141	+	1.068E-46	5.8355E-44	-0.39569	hypo	sig	chr1_8212141
chr12	95548150	95548150	+	1.084E-46	5.9186E-44	0.369167	hyper	sig	chr12_95548150
chr16	85947765	85947765	+	1.103E-46	6.0195E-44	-0.55325	hypo	sig	chr16_85947765
chr1	1.71E+08	170661355	+	1.153E-46	6.2891E-44	0.394699	hyper	sig	chr1_170661355
chr5	1.29E+08	128536273	+	1.172E-46	6.387E-44	0.409291	hyper	sig	chr5_128536273
chr12	4910767	4910767	+	1.176E-46	6.4032E-44	0.3858	hyper	sig	chr12_4910767
chr3	75622642	75622642	+	1.209E-46	6.5816E-44	-0.39389	hypo	sig	chr3_75622642
chr7	27124304	27124304	+	1.218E-46	6.6223E-44	0.410977	hyper	sig	chr7_27124304
chr12	1.33E+08	132904889	+	1.222E-46	6.6415E-44	0.346243	hyper	sig	chr12_132904889
chr22	43862832	43862832	+	1.243E-46	6.7536E-44	0.399458	hyper	sig	chr22_43862832
chr15	79090442	79090442	+	1.262E-46	6.8498E-44	0.339256	hyper	sig	chr15_79090442
chr13	23680230	23680230	+	1.287E-46	6.983E-44	-0.47551	hypo	sig	chr13_23680230
chr5	42840557	42840557	+	1.295E-46	7.0192E-44	-0.28541	hypo	sig	chr5_42840557
chr7	19107651	19107651	+	1.317E-46	7.1322E-44	0.269125	hyper	sig	chr7_19107651
chr7	5349648	5349648	+	1.326E-46	7.1754E-44	0.405062	hyper	sig	chr7_5349648
chr7	4792514	4792514	+	1.337E-46	7.2317E-44	0.459496	hyper	sig	chr7_4792514
chr13	27926759	27926759	+	1.344E-46	7.2663E-44	0.490355	hyper	sig	chr13_27926759
chr10	23200936	23200936	+	1.35E-46	7.291E-44	0.401406	hyper	sig	chr10_23200936
chr17	50786230	50786230	+	1.379E-46	7.4383E-44	0.343709	hyper	sig	chr17_50786230
chr6	26225344	26225344	+	1.378E-46	7.4383E-44	0.418812	hyper	sig	chr6_26225344
chr13	1.12E+08	112104074	+	1.406E-46	7.579E-44	0.351437	hyper	sig	chr13_112104074
chr7	4127975	4127975	+	1.439E-46	7.7553E-44	-0.45131	hypo	sig	chr7_4127975
chr6	1E+08	100464244	+	1.448E-46	7.7947E-44	0.375909	hyper	sig	chr6_100464244
chr8	64379785	64379785	+	1.49E-46	8.0191E-44	0.351247	hyper	sig	chr8_64379785
chr6	1.67E+08	167153705	+	1.495E-46	8.0398E-44	-0.43972	hypo	sig	chr6_167153705

chr19	22634303	22634303	+	1.505E-46	8.0871E-44	0.386931	hyper	sig	chr19_22634303
chr6	391208	391208	+	1.516E-46	8.1388E-44	0.373794	hyper	sig	chr6_391208
chr11	1.18E+08	117987263	+	1.54E-46	8.2653E-44	-0.38834	hypo	sig	chr11_117987263
chr19	58059064	58059064	+	1.573E-46	8.4357E-44	0.441326	hyper	sig	chr19_58059064
chr20	21509582	21509582	+	1.581E-46	8.4713E-44	0.403764	hyper	sig	chr20_21509582
chr6	1.7E+08	170177138	+	1.597E-46	8.5561E-44	-0.44571	hypo	sig	chr6_170177138
chr7	1.5E+08	150341416	+	1.647E-46	8.8144E-44	0.452245	hyper	sig	chr7_150341416
chr7	1123996	1123996	+	1.665E-46	8.9062E-44	0.394726	hyper	sig	chr7_1123996
chr7	50308889	50308889	+	1.679E-46	8.9731E-44	-0.43151	hypo	sig	chr7_50308889
chr2	2.13E+08	212542236	+	1.735E-46	9.263E-44	-0.43598	hypo	sig	chr2_212542236
chr7	4810704	4810704	+	1.767E-46	9.4292E-44	-0.4092	hypo	sig	chr7_4810704
chr1	2.21E+08	220895761	+	1.81E-46	9.6493E-44	0.450378	hyper	sig	chr1_220895761
chr3	1.7E+08	169822362	+	1.908E-46	1.0163E-43	-0.57262	hypo	sig	chr3_169822362
chr10	1.24E+08	124010723	+	1.917E-46	1.0207E-43	0.389579	hyper	sig	chr10_124010723
chr5	1.71E+08	171308300	+	1.929E-46	1.0263E-43	0.368211	hyper	sig	chr5_171308300
chr6	52994287	52994287	+	1.949E-46	1.0366E-43	0.379217	hyper	sig	chr6_52994287
chr16	85620607	85620607	+	1.951E-46	1.0366E-43	-0.3745	hypo	sig	chr16_85620607
chr6	29558757	29558757	+	1.977E-46	1.0497E-43	-0.40495	hypo	sig	chr6_29558757
chr10	31633135	31633135	+	2.03E-46	1.0771E-43	-0.38065	hypo	sig	chr10_31633135
chr1	2.21E+08	220882291	+	2.102E-46	1.1148E-43	0.413981	hyper	sig	chr1_220882291
chr2	27308302	27308302	+	2.108E-46	1.1171E-43	0.372469	hyper	sig	chr2_27308302
chr16	86580033	86580033	+	2.127E-46	1.1268E-43	0.428219	hyper	sig	chr16_86580033
chr6	30164138	30164138	+	2.192E-46	1.16E-43	-0.40078	hypo	sig	chr6_30164138
chr8	49910613	49910613	+	2.203E-46	1.1652E-43	0.382002	hyper	sig	chr8_49910613
chr17	34156637	34156637	+	2.217E-46	1.1718E-43	0.372085	hyper	sig	chr17_34156637
chr7	1.29E+08	129125023	+	2.435E-46	1.2865E-43	-0.38336	hypo	sig	chr7_129125023
chr8	66432290	66432290	+	2.555E-46	1.3488E-43	0.347106	hyper	sig	chr8_66432290
chr15	89360459	89360459	+	2.577E-46	1.3595E-43	0.437661	hyper	sig	chr15_89360459
chr16	54932617	54932617	+	2.579E-46	1.3598E-43	0.447277	hyper	sig	chr16_54932617
chr16	87407802	87407802	+	2.581E-46	1.3598E-43	-0.49639	hypo	sig	chr16_87407802
chr6	31728943	31728943	+	2.631E-46	1.3855E-43	0.368425	hyper	sig	chr6_31728943
chr8	66432321	66432321	+	2.646E-46	1.3925E-43	0.32944	hyper	sig	chr8_66432321
chr10	3763169	3763169	+	2.652E-46	1.3947E-43	-0.40164	hypo	sig	chr10_3763169
chr7	97022910	97022910	+	2.662E-46	1.3992E-43	0.370419	hyper	sig	chr7_97022910
chr14	64550373	64550373	+	2.736E-46	1.4372E-43	-0.36826	hypo	sig	chr14_64550373
chr7	74285016	74285016	+	2.746E-46	1.4415E-43	-0.38475	hypo	sig	chr7_74285016
chr10	1.01E+08	100519965	+	2.777E-46	1.4566E-43	0.366067	hyper	sig	chr10_100519965
chr8	64371523	64371523	+	2.789E-46	1.4621E-43	0.387019	hyper	sig	chr8_64371523
chr13	27923217	27923217	+	2.869E-46	1.5029E-43	0.463462	hyper	sig	chr13_27923217
chr8	1.41E+08	141170276	+	2.962E-46	1.5504E-43	0.340695	hyper	sig	chr8_141170276
chr2	27308442	27308442	+	3.021E-46	1.5804E-43	0.395392	hyper	sig	chr2_27308442
chr7	2281720	2281720	+	3.033E-46	1.5857E-43	0.415676	hyper	sig	chr7_2281720
chr7	1.58E+08	157663326	+	3.047E-46	1.5918E-43	0.4072	hyper	sig	chr7_157663326
chr1	2.48E+08	247549096	+	3.096E-46	1.6168E-43	-0.45564	hypo	sig	chr1_247549096
chr10	3763241	3763241	+	3.157E-46	1.6475E-43	-0.37642	hypo	sig	chr10_3763241
chr4	1.85E+08	185016287	+	3.162E-46	1.6488E-43	0.357905	hyper	sig	chr4_185016287
chr11	1.29E+08	128824326	+	3.219E-46	1.6778E-43	0.408132	hyper	sig	chr11_128824326
chr11	3000973	3000973	+	3.233E-46	1.6839E-43	0.381394	hyper	sig	chr11_3000973
chr2	1691585	1691585	+	3.287E-46	1.7097E-43	-0.43463	hypo	sig	chr2_1691585
chr3	1.28E+08	128084839	+	3.285E-46	1.7097E-43	0.432447	hyper	sig	chr3_128084839
chr10	1.01E+08	100519931	+	3.311E-46	1.7212E-43	0.419839	hyper	sig	chr10_100519931
chr11	1.12E+08	111540294	+	3.404E-46	1.7681E-43	0.46167	hyper	sig	chr11_111540294
chr20	56925475	56925475	+	3.412E-46	1.7714E-43	0.364346	hyper	sig	chr20_56925475
chr5	1.25E+08	124649675	+	3.419E-46	1.7738E-43	-0.39982	hypo	sig	chr5_124649675
chr16	31471525	31471525	+	3.432E-46	1.7794E-43	0.401366	hyper	sig	chr16_31471525
chr7	4739727	4739727	+	3.437E-46	1.7808E-43	0.411522	hyper	sig	chr7_4739727

chr7	5349670	5349670	+	3.557E-46	1.8419E-43	0.339418	hyper	sig	chr7_5349670
chr19	4555925	4555925	+	3.581E-46	1.853E-43	-0.5549	hypo	sig	chr19_4555925
chr13	25171848	25171848	+	3.689E-46	1.9081E-43	0.370825	hyper	sig	chr13_25171848
chr11	73305223	73305223	+	3.811E-46	1.9699E-43	-0.43781	hypo	sig	chr11_73305223
chr19	58440518	58440518	+	3.879E-46	2.0035E-43	0.351115	hyper	sig	chr19_58440518
chr6	1.1E+08	110357717	+	3.968E-46	2.0482E-43	0.382498	hyper	sig	chr6_110357717
chr8	72538301	72538301	+	3.987E-46	2.057E-43	0.518726	hyper	sig	chr8_72538301
chr11	1852787	1852787	+	4.064E-46	2.0951E-43	-0.49536	hypo	sig	chr11_1852787
chr7	4767411	4767411	+	4.161E-46	2.144E-43	0.346104	hyper	sig	chr7_4767411
chr17	76700683	76700683	+	4.201E-46	2.163E-43	0.373704	hyper	sig	chr17_76700683
chr1	1.59E+08	159188682	+	4.263E-46	2.1934E-43	0.349538	hyper	sig	chr1_159188682
chr16	81645367	81645367	+	4.303E-46	2.2125E-43	0.348935	hyper	sig	chr16_81645367
chr11	1.17E+08	117203612	+	4.513E-46	2.319E-43	0.335086	hyper	sig	chr11_117203612
chr12	1.2E+08	120100879	+	4.65E-46	2.3879E-43	0.411913	hyper	sig	chr12_120100879
chr15	59993627	59993627	+	4.726E-46	2.4256E-43	0.449604	hyper	sig	chr15_59993627
chr3	5095890	5095890	+	4.864E-46	2.4948E-43	0.386346	hyper	sig	chr3_5095890
chr14	56797589	56797589	+	4.902E-46	2.5128E-43	0.383053	hyper	sig	chr14_56797589
chr10	93069273	93069273	+	4.996E-46	2.5595E-43	0.37998	hyper	sig	chr10_93069273
chr8	66962152	66962152	+	5.023E-46	2.5714E-43	0.391121	hyper	sig	chr8_66962152
chr15	70475335	70475335	+	5.141E-46	2.6301E-43	-0.36521	hypo	sig	chr15_70475335
chr5	88678732	88678732	+	5.147E-46	2.6317E-43	0.385506	hyper	sig	chr5_88678732
chr4	74100038	74100038	+	5.208E-46	2.6614E-43	-0.37886	hypo	sig	chr4_74100038
chr6	1.37E+08	137494506	+	5.215E-46	2.6629E-43	0.346296	hyper	sig	chr6_137494506
chr12	89350678	89350678	+	5.264E-46	2.6862E-43	-0.36957	hypo	sig	chr12_89350678
chr12	1.15E+08	114696569	+	5.275E-46	2.6903E-43	0.384393	hyper	sig	chr12_114696569
chr19	43774449	43774449	+	5.295E-46	2.699E-43	0.369104	hyper	sig	chr19_43774449
chr19	58059059	58059059	+	5.431E-46	2.7664E-43	0.441537	hyper	sig	chr19_58059059
chr6	1.67E+08	167153690	+	5.506E-46	2.8031E-43	-0.42106	hypo	sig	chr6_167153690
chr4	1310027	1310027	+	5.514E-46	2.805E-43	0.419557	hyper	sig	chr4_1310027
chr10	1.2E+08	120038608	+	5.659E-46	2.8772E-43	-0.39187	hypo	sig	chr10_120038608
chr13	1.13E+08	113110250	+	5.781E-46	2.9374E-43	0.585918	hyper	sig	chr13_113110250
chr6	1.68E+08	167678464	+	5.824E-46	2.9576E-43	0.404714	hyper	sig	chr6_167678464
chr12	95549202	95549202	+	5.861E-46	2.9743E-43	0.349197	hyper	sig	chr12_95549202
chr1	50417690	50417690	+	5.877E-46	2.9806E-43	0.355026	hyper	sig	chr1_50417690
chr16	81645424	81645424	+	5.985E-46	3.0331E-43	0.399995	hyper	sig	chr16_81645424
chr5	3592519	3592519	+	5.988E-46	3.0331E-43	0.379341	hyper	sig	chr5_3592519
chr5	1.13E+08	113082004	+	6.066E-46	3.0706E-43	-0.39558	hypo	sig	chr5_113082004
chr3	61564895	61564895	+	6.13E-46	3.1011E-43	0.361422	hyper	sig	chr3_61564895
chr13	1.02E+08	101917465	+	6.179E-46	3.1237E-43	0.373633	hyper	sig	chr13_101917465
chr1	20480893	20480893	+	6.22E-46	3.1427E-43	-0.41232	hypo	sig	chr1_20480893
chr11	1.09E+08	109423239	+	6.244E-46	3.1529E-43	0.329927	hyper	sig	chr11_109423239
chr17	19580326	19580326	+	6.279E-46	3.1688E-43	0.343125	hyper	sig	chr17_19580326
chr11	19346023	19346023	+	6.429E-46	3.2403E-43	0.364387	hyper	sig	chr11_19346023
chr11	20207990	20207990	+	6.428E-46	3.2403E-43	0.472052	hyper	sig	chr11_20207990
chr5	1.71E+08	170508233	+	6.55E-46	3.299E-43	-0.41673	hypo	sig	chr5_170508233
chr9	91421139	91421139	+	6.562E-46	3.3029E-43	0.334646	hyper	sig	chr9_91421139
chr10	1.16E+08	116272533	+	6.578E-46	3.3092E-43	0.370667	hyper	sig	chr10_116272533
chr7	56079585	56079585	+	6.799E-46	3.418E-43	0.491701	hyper	sig	chr7_56079585
chr9	1.3E+08	129669328	+	6.813E-46	3.423E-43	-0.40413	hypo	sig	chr9_129669328
chr16	1531069	1531069	+	6.882E-46	3.4555E-43	0.427561	hyper	sig	chr16_1531069
chr2	2.42E+08	241852776	+	6.95E-46	3.4875E-43	-0.37311	hypo	sig	chr2_241852776
chr6	1.51E+08	151239857	+	6.977E-46	3.4992E-43	0.361369	hyper	sig	chr6_151239857
chr13	99497038	99497038	+	7.051E-46	3.5338E-43	-0.32093	hypo	sig	chr13_99497038
chr11	2708881	2708881	+	7.256E-46	3.6333E-43	0.410266	hyper	sig	chr11_2708881
chr8	42768575	42768575	+	7.258E-46	3.6333E-43	-0.40369	hypo	sig	chr8_42768575
chr19	36797509	36797509	+	7.272E-46	3.6378E-43	0.310275	hyper	sig	chr19_36797509

chr5	1.77E+08	177492614	+	7.397E-46	3.6982E-43	0.358546	hyper	sig	chr5_177492614
chr19	21474797	21474797	+	7.527E-46	3.761E-43	0.373235	hyper	sig	chr19_21474797
chr7	772098	772098	+	8.058E-46	4.0239E-43	0.311004	hyper	sig	chr7_772098
chr13	1.12E+08	111893056	+	8.101E-46	4.0428E-43	0.39724	hyper	sig	chr13_111893056
chr7	1.55E+08	155467662	+	8.113E-46	4.0464E-43	0.425175	hyper	sig	chr7_155467662
chr7	23709988	23709988	+	8.138E-46	4.0564E-43	-0.4111	hypo	sig	chr7_23709988
chr8	1.41E+08	141147001	+	8.311E-46	4.1382E-43	0.364647	hyper	sig	chr8_141147001
chr9	1045644	1045644	+	8.313E-46	4.1382E-43	0.365442	hyper	sig	chr9_1045644
chr13	27927229	27927229	+	8.354E-46	4.1562E-43	0.476556	hyper	sig	chr13_27927229
chr10	633517	633517	+	8.412E-46	4.1827E-43	0.411236	hyper	sig	chr10_633517
chr17	77389004	77389004	+	8.466E-46	4.2069E-43	0.41497	hyper	sig	chr17_77389004
chr13	1.12E+08	112105436	+	8.682E-46	4.3114E-43	0.545158	hyper	sig	chr13_112105436
chr11	10693832	10693832	+	8.847E-46	4.3881E-43	0.41638	hyper	sig	chr11_10693832
chr16	4006359	4006359	+	8.846E-46	4.3881E-43	0.381479	hyper	sig	chr16_4006359
chr1	1.47E+08	147079005	+	8.931E-46	4.427E-43	0.429472	hyper	sig	chr1_147079005
chr11	15938393	15938393	+	8.955E-46	4.4337E-43	0.362083	hyper	sig	chr11_15938393
chr17	81277597	81277597	+	8.954E-46	4.4337E-43	0.412681	hyper	sig	chr17_81277597
chr14	54569171	54569171	+	8.997E-46	4.4513E-43	0.416101	hyper	sig	chr14_54569171
chr9	1.3E+08	129620876	+	9.118E-46	4.5085E-43	0.405171	hyper	sig	chr9_129620876
chr13	66009510	66009510	+	9.26E-46	4.5759E-43	-0.49414	hypo	sig	chr13_66009510
chr5	3591045	3591045	+	9.373E-46	4.6292E-43	0.389285	hyper	sig	chr5_3591045
chr1	1.75E+08	175073229	+	9.471E-46	4.6728E-43	-0.32743	hypo	sig	chr1_175073229
chr12	72273370	72273370	+	9.473E-46	4.6728E-43	0.392694	hyper	sig	chr12_72273370
chr7	194053	194053	+	9.52E-46	4.693E-43	0.356191	hyper	sig	chr7_194053
chr20	62561079	62561079	+	9.779E-46	4.8178E-43	-0.40793	hypo	sig	chr20_62561079
chr8	1.43E+08	143155258	+	9.915E-46	4.8821E-43	-0.37534	hypo	sig	chr8_143155258
chr1	1.58E+08	158354541	+	1.001E-45	4.9264E-43	-0.38907	hypo	sig	chr1_158354541
chr5	33936424	33936424	+	1.065E-45	5.2363E-43	0.401225	hyper	sig	chr5_33936424
chr7	1.51E+08	151403959	+	1.111E-45	5.4583E-43	-0.38347	hypo	sig	chr7_151403959
chr5	1.75E+08	174732002	+	1.112E-45	5.4613E-43	0.3536	hyper	sig	chr5_174732002
chr12	1.28E+08	128366062	+	1.115E-45	5.4731E-43	0.359399	hyper	sig	chr12_128366062
chr14	56797575	56797575	+	1.121E-45	5.5007E-43	0.389982	hyper	sig	chr14_56797575
chr1	2.28E+08	227775578	+	1.131E-45	5.5472E-43	0.381267	hyper	sig	chr1_227775578
chr2	2.32E+08	232419656	+	1.14E-45	5.5881E-43	0.437491	hyper	sig	chr2_232419656
chr17	82297581	82297581	+	1.147E-45	5.616E-43	-0.28667	hypo	sig	chr17_82297581
chr2	11777534	11777534	+	1.159E-45	5.6712E-43	-0.39103	hypo	sig	chr2_11777534
chr12	95548093	95548093	+	1.166E-45	5.7008E-43	0.307853	hyper	sig	chr12_95548093
chr3	49901273	49901273	+	1.174E-45	5.7372E-43	-0.36439	hypo	sig	chr3_49901273
chr19	15115282	15115282	+	1.207E-45	5.8961E-43	0.448461	hyper	sig	chr19_15115282
chr19	1221757	1221757	+	1.251E-45	6.1048E-43	0.485696	hyper	sig	chr19_1221757
chr7	4767255	4767255	+	1.251E-45	6.1048E-43	0.351878	hyper	sig	chr7_4767255
chr11	71615685	71615685	+	1.253E-45	6.1097E-43	-0.4696	hypo	sig	chr11_71615685
chr11	67646879	67646879	+	1.254E-45	6.1127E-43	-0.43457	hypo	sig	chr11_67646879
chr1	2.28E+08	227775520	+	1.311E-45	6.3839E-43	0.397101	hyper	sig	chr1_227775520
chr20	63081792	63081792	+	1.32E-45	6.4238E-43	-0.4055	hypo	sig	chr20_63081792
chr7	1.56E+08	155951837	+	1.331E-45	6.4743E-43	-0.43624	hypo	sig	chr7_155951837
chr15	59993552	59993552	+	1.368E-45	6.6487E-43	0.430516	hyper	sig	chr15_59993552
chr13	1.1E+08	110308206	+	1.371E-45	6.661E-43	0.344647	hyper	sig	chr13_110308206
chr6	1.66E+08	165686781	+	1.38E-45	6.6994E-43	0.292127	hyper	sig	chr6_165686781
chr12	1.33E+08	132904971	+	1.4E-45	6.794E-43	0.374346	hyper	sig	chr12_132904971
chr4	8191642	8191642	+	1.401E-45	6.794E-43	-0.4273	hypo	sig	chr4_8191642
chr5	1.42E+08	141512770	+	1.415E-45	6.8588E-43	0.462334	hyper	sig	chr5_141512770
chr19	3604835	3604835	+	1.416E-45	6.8603E-43	-0.39976	hypo	sig	chr19_3604835
chr12	95548159	95548159	+	1.463E-45	7.0842E-43	0.350336	hyper	sig	chr12_95548159
chr17	34156653	34156653	+	1.514E-45	7.3256E-43	0.380945	hyper	sig	chr17_34156653
chr6	1.66E+08	165663493	+	1.586E-45	7.6705E-43	0.319224	hyper	sig	chr6_165663493

chr1	3140102	3140102	+	1.641E-45	7.9295E-43	0.418833	hyper	sig	chr1_3140102
chr7	1.5E+08	150341413	+	1.658E-45	8.01E-43	0.452297	hyper	sig	chr7_150341413
chr5	6349462	6349462	+	1.671E-45	8.0669E-43	-0.47332	hypo	sig	chr5_6349462
chr17	35490185	35490185	+	1.689E-45	8.1499E-43	0.384786	hyper	sig	chr17_35490185
chr15	40770026	40770026	+	1.707E-45	8.228E-43	-0.39126	hypo	sig	chr15_40770026
chr2	1.6E+08	159904992	+	1.713E-45	8.254E-43	-0.35445	hypo	sig	chr2_159904992
chr1	1.71E+08	170661373	+	1.73E-45	8.3323E-43	0.416079	hyper	sig	chr1_170661373
chr5	1.78E+08	178443232	+	1.736E-45	8.3528E-43	-0.4123	hypo	sig	chr5_178443232
chr13	36430584	36430584	+	1.757E-45	8.4523E-43	0.385771	hyper	sig	chr13_36430584
chr5	1.49E+08	149420427	+	1.769E-45	8.5043E-43	0.434662	hyper	sig	chr5_149420427
chr15	63597530	63597530	+	1.815E-45	8.7161E-43	0.442587	hyper	sig	chr15_63597530
chr2	2.4E+08	240046959	+	1.815E-45	8.7161E-43	-0.35681	hypo	sig	chr2_240046959
chr1	8373029	8373029	+	1.831E-45	8.7862E-43	0.420278	hyper	sig	chr1_8373029
chr1	2E+08	200036364	+	1.832E-45	8.7862E-43	0.506161	hyper	sig	chr1_200036364
chr7	1.59E+08	158783257	+	1.847E-45	8.8536E-43	0.39212	hyper	sig	chr7_158783257
chr12	1.17E+08	116559290	+	1.861E-45	8.915E-43	-0.34375	hypo	sig	chr12_116559290
chr5	1.76E+08	176366481	+	1.932E-45	9.248E-43	0.421672	hyper	sig	chr5_176366481
chr17	80919587	80919587	+	1.951E-45	9.3355E-43	0.323565	hyper	sig	chr17_80919587
chr7	54542529	54542529	+	1.97E-45	9.4195E-43	0.329164	hyper	sig	chr7_54542529
chr10	1.32E+08	132464347	+	1.976E-45	9.4452E-43	0.38659	hyper	sig	chr10_132464347
chr2	2.06E+08	205679687	+	1.998E-45	9.543E-43	-0.3608	hypo	sig	chr2_205679687
chr8	1.08E+08	108083604	+	2.005E-45	9.569E-43	0.40604	hyper	sig	chr8_108083604
chr3	28575810	28575810	+	2.025E-45	9.6603E-43	0.415992	hyper	sig	chr3_28575810
chr10	1.16E+08	116272574	+	2.033E-45	9.6947E-43	0.328065	hyper	sig	chr10_116272574
chr9	2623648	2623648	+	2.042E-45	9.7292E-43	0.395177	hyper	sig	chr9_2623648
chr19	21680913	21680913	+	2.068E-45	9.8499E-43	-0.44367	hypo	sig	chr19_21680913
chr12	1.33E+08	132904885	+	2.071E-45	9.8568E-43	0.334651	hyper	sig	chr12_132904885
chr8	66962106	66962106	+	2.147E-45	1.021E-42	0.395438	hyper	sig	chr8_66962106
chr13	57630911	57630911	+	2.198E-45	1.0447E-42	0.356878	hyper	sig	chr13_57630911
chr2	27308368	27308368	+	2.204E-45	1.0468E-42	0.397747	hyper	sig	chr2_27308368
chr5	1794602	1794602	+	2.217E-45	1.0525E-42	-0.46324	hypo	sig	chr5_1794602
chr1	35561027	35561027	+	2.246E-45	1.0658E-42	0.438084	hyper	sig	chr1_35561027
chr22	46085360	46085360	+	2.255E-45	1.0696E-42	-0.38058	hypo	sig	chr22_46085360
chr8	38318093	38318093	+	2.272E-45	1.0771E-42	0.34548	hyper	sig	chr8_38318093
chr2	45882987	45882987	+	2.289E-45	1.0845E-42	0.368278	hyper	sig	chr2_45882987
chr3	12938417	12938417	+	2.3E-45	1.0889E-42	0.511244	hyper	sig	chr3_12938417
chr6	1E+08	100447742	+	2.322E-45	1.0987E-42	0.33671	hyper	sig	chr6_100447742
chr12	1.22E+08	121767755	+	2.374E-45	1.1227E-42	0.406592	hyper	sig	chr12_121767755
chr16	85366132	85366132	+	2.4E-45	1.1341E-42	0.353273	hyper	sig	chr16_85366132
chr7	868227	868227	+	2.413E-45	1.1396E-42	0.315512	hyper	sig	chr7_868227
chr19	1467052	1467052	+	2.436E-45	1.15E-42	0.404243	hyper	sig	chr19_1467052
chr2	1E+08	100426574	+	2.508E-45	1.1832E-42	-0.38826	hypo	sig	chr2_100426574
chr7	93890256	93890256	+	2.561E-45	1.2077E-42	0.369712	hyper	sig	chr7_93890256
chr15	93071810	93071810	+	2.572E-45	1.2118E-42	0.387037	hyper	sig	chr15_93071810
chr17	77409770	77409770	+	2.591E-45	1.2202E-42	0.480356	hyper	sig	chr17_77409770
chr2	53860047	53860047	+	2.731E-45	1.2853E-42	0.605475	hyper	sig	chr2_53860047
chr7	1.57E+08	157124819	+	2.782E-45	1.3087E-42	-0.40022	hypo	sig	chr7_157124819
chr1	31772299	31772299	+	2.813E-45	1.3226E-42	0.343426	hyper	sig	chr1_31772299
chr19	58350681	58350681	+	2.868E-45	1.3476E-42	0.497772	hyper	sig	chr19_58350681
chr16	81645369	81645369	+	2.881E-45	1.3528E-42	0.366503	hyper	sig	chr16_81645369
chr6	1E+08	100464269	+	2.91E-45	1.3655E-42	0.369917	hyper	sig	chr6_100464269
chr1	2.21E+08	220884432	+	2.986E-45	1.4008E-42	0.440713	hyper	sig	chr1_220884432
chr4	1.33E+08	133148425	+	3.11E-45	1.4578E-42	0.394504	hyper	sig	chr4_133148425
chr20	25082116	25082116	+	3.189E-45	1.4939E-42	0.451842	hyper	sig	chr20_25082116
chr13	1.12E+08	112067982	+	3.241E-45	1.5167E-42	0.383472	hyper	sig	chr13_112067982
chr8	66962136	66962136	+	3.241E-45	1.5167E-42	0.382446	hyper	sig	chr8_66962136

chr5	1.72E+08	172097521	+	3.269E-45	1.5289E-42	0.331312	hyper	sig	chr5_172097521
chr16	383577	383577	+	3.313E-45	1.5487E-42	-0.39106	hypo	sig	chr16_383577
chr11	314341	314341	+	3.334E-45	1.5577E-42	-0.27164	hypo	sig	chr11_314341
chr12	1.25E+08	125442913	+	3.352E-45	1.5649E-42	-0.40263	hypo	sig	chr12_125442913
chr1	14945830	14945830	+	3.36E-45	1.568E-42	0.410223	hyper	sig	chr1_14945830
chr2	27308452	27308452	+	3.369E-45	1.5711E-42	0.387821	hyper	sig	chr2_27308452
chr19	58350677	58350677	+	3.373E-45	1.5722E-42	0.487793	hyper	sig	chr19_58350677
chr10	1.01E+08	100519937	+	3.455E-45	1.6094E-42	0.425629	hyper	sig	chr10_100519937
chr16	85620645	85620645	+	3.5E-45	1.6296E-42	-0.38091	hypo	sig	chr16_85620645
chr2	2.39E+08	238586535	+	3.582E-45	1.6668E-42	0.311637	hyper	sig	chr2_238586535
chr19	23070530	23070530	+	3.586E-45	1.6676E-42	0.368596	hyper	sig	chr19_23070530
chr11	1.18E+08	117987338	+	3.602E-45	1.6742E-42	-0.49151	hypo	sig	chr11_117987338
chr11	68374766	68374766	+	3.614E-45	1.6788E-42	0.431325	hyper	sig	chr11_68374766
chr8	66961963	66961963	+	3.821E-45	1.7737E-42	0.454386	hyper	sig	chr8_66961963
chr22	31099119	31099119	+	3.84E-45	1.7816E-42	0.40388	hyper	sig	chr22_31099119
chr13	28532943	28532943	+	3.847E-45	1.7836E-42	0.352488	hyper	sig	chr13_28532943
chr13	27923287	27923287	+	3.895E-45	1.8052E-42	0.45713	hyper	sig	chr13_27923287
chr1	2.28E+08	227775207	+	3.949E-45	1.8288E-42	0.371261	hyper	sig	chr1_227775207
chr10	1.01E+08	100519918	+	3.972E-45	1.8387E-42	0.421948	hyper	sig	chr10_100519918
chr9	1.37E+08	136739755	+	3.983E-45	1.8425E-42	-0.41966	hypo	sig	chr9_136739755
chr6	1E+08	100464213	+	4.089E-45	1.8907E-42	0.368487	hyper	sig	chr6_100464213
chr7	43561940	43561940	+	4.15E-45	1.9177E-42	-0.39236	hypo	sig	chr7_43561940
chr10	1.14E+08	114041279	+	4.201E-45	1.9401E-42	0.260321	hyper	sig	chr10_114041279
chr13	36154868	36154868	+	4.212E-45	1.9443E-42	0.437658	hyper	sig	chr13_36154868
chr6	52994335	52994335	+	4.263E-45	1.9665E-42	0.388816	hyper	sig	chr6_52994335
chr13	52849897	52849897	+	4.316E-45	1.9899E-42	0.465045	hyper	sig	chr13_52849897
chr8	1.41E+08	140527564	+	4.358E-45	2.008E-42	0.414655	hyper	sig	chr8_140527564
chr5	1.76E+08	176366489	+	4.363E-45	2.0092E-42	0.412091	hyper	sig	chr5_176366489
chr6	1.59E+08	158995485	+	4.381E-45	2.0165E-42	-0.43942	hypo	sig	chr6_158995485
chr15	68559131	68559131	+	4.475E-45	2.0587E-42	-0.3415	hypo	sig	chr15_68559131
chr12	95549190	95549190	+	4.491E-45	2.0647E-42	0.32587	hyper	sig	chr12_95549190
chr21	44967314	44967314	+	4.565E-45	2.0975E-42	0.427756	hyper	sig	chr21_44967314
chr19	22259695	22259695	+	4.646E-45	2.1336E-42	-0.4502	hypo	sig	chr19_22259695
chr5	1.39E+08	138875460	+	4.674E-45	2.145E-42	0.348419	hyper	sig	chr5_138875460
chr13	1.13E+08	113110286	+	4.687E-45	2.1498E-42	0.589852	hyper	sig	chr13_113110286
chr8	1.4E+08	139663914	+	4.791E-45	2.1965E-42	-0.44409	hypo	sig	chr8_139663914
chr16	85534657	85534657	+	4.819E-45	2.2079E-42	0.289433	hyper	sig	chr16_85534657
chr17	40451613	40451613	+	4.836E-45	2.2143E-42	0.417429	hyper	sig	chr17_40451613
chr19	54365142	54365142	+	4.87E-45	2.2287E-42	-0.32684	hypo	sig	chr19_54365142
chr18	44950928	44950928	+	4.937E-45	2.2582E-42	-0.43652	hypo	sig	chr18_44950928
chr8	1.43E+08	142911283	+	4.964E-45	2.2691E-42	-0.42523	hypo	sig	chr8_142911283
chr5	1.41E+08	141478305	+	4.973E-45	2.2722E-42	0.380075	hyper	sig	chr5_141478305
chr2	2.07E+08	206641951	+	4.989E-45	2.2783E-42	0.430583	hyper	sig	chr2_206641951
chr9	1.31E+08	130839892	+	5.067E-45	2.3127E-42	0.447958	hyper	sig	chr9_130839892
chr2	27308469	27308469	+	5.096E-45	2.3245E-42	0.36286	hyper	sig	chr2_27308469
chr1	47446407	47446407	+	5.225E-45	2.3818E-42	0.315607	hyper	sig	chr1_47446407
chr19	57351259	57351259	+	5.238E-45	2.3866E-42	0.358798	hyper	sig	chr19_57351259
chr1	2.21E+08	220895777	+	5.249E-45	2.3899E-42	0.465119	hyper	sig	chr1_220895777
chr7	1.37E+08	136871534	+	5.265E-45	2.3962E-42	0.380127	hyper	sig	chr7_136871534
chr14	1.01E+08	101052183	+	5.315E-45	2.4177E-42	-0.40584	hypo	sig	chr14_101052183
chr21	36708810	36708810	+	5.346E-45	2.4304E-42	0.351928	hyper	sig	chr21_36708810
chr1	37557027	37557027	+	5.396E-45	2.4503E-42	0.378569	hyper	sig	chr1_37557027
chr16	383540	383540	+	5.395E-45	2.4503E-42	-0.32297	hypo	sig	chr16_383540
chr16	85366158	85366158	+	5.415E-45	2.4576E-42	0.39211	hyper	sig	chr16_85366158
chr4	8191446	8191446	+	5.446E-45	2.4703E-42	-0.41023	hypo	sig	chr4_8191446
chr7	19107684	19107684	+	5.451E-45	2.471E-42	0.262661	hyper	sig	chr7_19107684

chr5	33936417	33936417	+	5.559E-45	2.5184E-42	0.38968	hyper	sig	chr5_33936417
chr1	1539761	1539761	+	5.588E-45	2.5303E-42	0.426117	hyper	sig	chr1_1539761
chr10	55628593	55628593	+	5.692E-45	2.5761E-42	0.406242	hyper	sig	chr10_55628593
chr2	27308460	27308460	+	5.967E-45	2.6987E-42	0.373387	hyper	sig	chr2_27308460
chr10	1.3E+08	129887898	+	5.988E-45	2.7071E-42	-0.39956	hypo	sig	chr10_129887898
chr4	7650223	7650223	+	6.068E-45	2.7417E-42	-0.42786	hypo	sig	chr4_7650223
chr7	1.5E+08	150341521	+	6.353E-45	2.8688E-42	0.499492	hyper	sig	chr7_150341521
chr1	1.53E+08	152684722	+	6.55E-45	2.9559E-42	-0.37325	hypo	sig	chr1_152684722
chr11	34204926	34204926	+	6.664E-45	3.006E-42	-0.39167	hypo	sig	chr11_34204926
chr10	1.01E+08	100519725	+	6.716E-45	3.0274E-42	0.515526	hyper	sig	chr10_100519725
chr15	90870055	90870055	+	6.862E-45	3.0916E-42	-0.39482	hypo	sig	chr15_90870055
chr10	512026	512026	+	7.014E-45	3.1585E-42	0.357343	hyper	sig	chr10_512026
chr7	18087385	18087385	+	7.167E-45	3.2255E-42	0.353992	hyper	sig	chr7_18087385
chr10	571165	571165	+	7.249E-45	3.2605E-42	0.392266	hyper	sig	chr10_571165
chr1	2.09E+08	209235212	+	7.305E-45	3.2839E-42	-0.34575	hypo	sig	chr1_209235212
chr12	66234120	66234120	+	7.416E-45	3.3319E-42	-0.42504	hypo	sig	chr12_66234120
chr10	510515	510515	+	7.456E-45	3.3482E-42	0.368681	hyper	sig	chr10_510515
chr5	1.34E+08	134113908	+	7.645E-45	3.4311E-42	0.271757	hyper	sig	chr5_134113908
chr1	1539808	1539808	+	7.764E-45	3.4826E-42	0.479916	hyper	sig	chr1_1539808
chr7	19107617	19107617	+	7.788E-45	3.4897E-42	0.31852	hyper	sig	chr7_19107617
chr9	977770	977770	+	7.787E-45	3.4897E-42	0.418812	hyper	sig	chr9_977770
chr10	99534561	99534561	+	7.796E-45	3.4912E-42	0.39569	hyper	sig	chr10_99534561
chr4	1.51E+08	150583920	+	7.886E-45	3.5297E-42	0.429591	hyper	sig	chr4_150583920
chr5	1.42E+08	141512768	+	8.135E-45	3.6391E-42	0.451635	hyper	sig	chr5_141512768
chr8	52566162	52566162	+	8.148E-45	3.6426E-42	0.33433	hyper	sig	chr8_52566162
chr19	36245575	36245575	+	8.184E-45	3.6566E-42	0.36379	hyper	sig	chr19_36245575
chr6	1.68E+08	167678419	+	8.372E-45	3.7389E-42	0.408962	hyper	sig	chr6_167678419
chr15	71125645	71125645	+	8.482E-45	3.7858E-42	0.462079	hyper	sig	chr15_71125645
chr3	1.33E+08	133398725	+	8.498E-45	3.7909E-42	-0.3914	hypo	sig	chr3_133398725
chr11	1.21E+08	120562348	+	8.571E-45	3.8213E-42	-0.40067	hypo	sig	chr11_120562348
chr9	93346037	93346037	+	8.634E-45	3.8475E-42	0.380327	hyper	sig	chr9_93346037
chr17	12242564	12242564	+	8.644E-45	3.8497E-42	0.431824	hyper	sig	chr17_12242564
chr6	397469	397469	+	8.745E-45	3.8923E-42	-0.44753	hypo	sig	chr6_397469
chr7	54542627	54542627	+	8.851E-45	3.9375E-42	0.41907	hyper	sig	chr7_54542627
chr3	13638074	13638074	+	8.882E-45	3.9493E-42	-0.39682	hypo	sig	chr3_13638074
chr19	54365023	54365023	+	8.946E-45	3.9754E-42	-0.35657	hypo	sig	chr19_54365023
chr1	15758254	15758254	+	8.979E-45	3.9878E-42	0.344178	hyper	sig	chr1_15758254
chr17	19580334	19580334	+	9.029E-45	4.008E-42	0.349331	hyper	sig	chr17_19580334
chr16	85366150	85366150	+	9.205E-45	4.0801E-42	0.363102	hyper	sig	chr16_85366150
chr7	38187094	38187094	+	9.198E-45	4.0801E-42	0.286277	hyper	sig	chr7_38187094
chr8	1.42E+08	142119807	+	9.207E-45	4.0801E-42	-0.47151	hypo	sig	chr8_142119807
chr1	2.28E+08	228464808	+	9.278E-45	4.1073E-42	0.353786	hyper	sig	chr1_228464808
chr19	48480348	48480348	+	9.274E-45	4.1073E-42	0.368294	hyper	sig	chr19_48480348
chr2	2.42E+08	241852746	+	9.343E-45	4.1338E-42	-0.36712	hypo	sig	chr2_241852746
chr11	2335593	2335593	+	9.406E-45	4.1592E-42	-0.32274	hypo	sig	chr11_2335593
chr12	1.17E+08	116559431	+	9.443E-45	4.1736E-42	-0.28666	hypo	sig	chr12_116559431
chr19	3852029	3852029	+	9.599E-45	4.2399E-42	-0.42457	hypo	sig	chr19_3852029
chr5	55223064	55223064	+	9.744E-45	4.3018E-42	0.36527	hyper	sig	chr5_55223064
chr1	2.34E+08	234234974	+	9.795E-45	4.3218E-42	-0.42482	hypo	sig	chr1_234234974
chr8	63009407	63009407	+	9.993E-45	4.4071E-42	-0.35583	hypo	sig	chr8_63009407
chr7	5294630	5294630	+	1.001E-44	4.41E-42	-0.4038	hypo	sig	chr7_5294630
chr5	1.41E+08	141478354	+	1.003E-44	4.4187E-42	0.358003	hyper	sig	chr5_141478354
chr14	99215420	99215420	+	1.014E-44	4.4656E-42	0.412607	hyper	sig	chr14_99215420
chr21	36705318	36705318	+	1.05E-44	4.6159E-42	0.490259	hyper	sig	chr21_36705318
chr6	50707909	50707909	+	1.05E-44	4.6159E-42	0.389229	hyper	sig	chr6_50707909
chr6	1.69E+08	169188773	+	1.051E-44	4.6159E-42	-0.44812	hypo	sig	chr6_169188773

chr7	194066	194066	+	1.049E-44	4.6159E-42	0.333776	hyper	sig	chr7_194066
chr10	1.01E+08	101136641	+	1.056E-44	4.6364E-42	0.380567	hyper	sig	chr10_101136641
chr2	2.19E+08	219421474	+	1.067E-44	4.6826E-42	0.42126	hyper	sig	chr2_219421474
chr10	1.33E+08	133241448	+	1.069E-44	4.6906E-42	-0.33711	hypo	sig	chr10_133241448
chr2	2.39E+08	239308990	+	1.078E-44	4.7265E-42	0.358338	hyper	sig	chr2_239308990
chr6	1.6E+08	160259130	+	1.089E-44	4.7734E-42	0.366592	hyper	sig	chr6_160259130
chr7	27108519	27108519	+	1.104E-44	4.8334E-42	0.485216	hyper	sig	chr7_27108519
chr13	35697780	35697780	+	1.107E-44	4.8411E-42	-0.40799	hypo	sig	chr13_35697780
chr8	66432336	66432336	+	1.107E-44	4.8411E-42	0.31972	hyper	sig	chr8_66432336
chr17	81277537	81277537	+	1.112E-44	4.8612E-42	0.386214	hyper	sig	chr17_81277537
chr5	6349387	6349387	+	1.117E-44	4.882E-42	-0.41438	hypo	sig	chr5_6349387
chr10	23200326	23200326	+	1.15E-44	5.0215E-42	0.470172	hyper	sig	chr10_23200326
chr13	1.02E+08	101917526	+	1.176E-44	5.134E-42	0.354985	hyper	sig	chr13_101917526
chr3	1.54E+08	154429027	+	1.178E-44	5.1403E-42	0.364575	hyper	sig	chr3_154429027
chr8	52566128	52566128	+	1.195E-44	5.2109E-42	0.375817	hyper	sig	chr8_52566128
chr14	28774273	28774273	+	1.212E-44	5.2831E-42	0.350321	hyper	sig	chr14_28774273
chr17	64779470	64779470	+	1.213E-44	5.2852E-42	0.39614	hyper	sig	chr17_64779470
chr14	41606545	41606545	+	1.216E-44	5.2918E-42	0.381346	hyper	sig	chr14_41606545
chr1	2.21E+08	220884488	+	1.262E-44	5.4928E-42	0.441344	hyper	sig	chr1_220884488
chr13	93227077	93227077	+	1.279E-44	5.5637E-42	0.35237	hyper	sig	chr13_93227077
chr5	1.41E+08	141234297	+	1.295E-44	5.6268E-42	0.381655	hyper	sig	chr5_141234297
chr2	2.42E+08	241939483	+	1.323E-44	5.7471E-42	-0.34998	hypo	sig	chr2_241939483
chr9	98707699	98707699	+	1.369E-44	5.9433E-42	0.329075	hyper	sig	chr9_98707699
chr20	25083642	25083642	+	1.379E-44	5.9842E-42	0.437479	hyper	sig	chr20_25083642
chr13	36674168	36674168	+	1.383E-44	5.9972E-42	0.284756	hyper	sig	chr13_36674168
chr5	88602870	88602870	+	1.425E-44	6.1781E-42	-0.37042	hypo	sig	chr5_88602870
chr14	36664080	36664080	+	1.432E-44	6.206E-42	0.288432	hyper	sig	chr14_36664080
chr16	89370045	89370045	+	1.458E-44	6.3097E-42	0.396468	hyper	sig	chr16_89370045
chr2	1.28E+08	127665143	+	1.458E-44	6.3097E-42	0.320994	hyper	sig	chr2_127665143
chr13	1.12E+08	112067974	+	1.496E-44	6.4691E-42	0.38443	hyper	sig	chr13_112067974
chr3	1.33E+08	133400096	+	1.516E-44	6.5556E-42	-0.38421	hypo	sig	chr3_133400096
chr2	1816627	1816627	+	1.53E-44	6.6123E-42	0.34573	hyper	sig	chr2_1816627
chr1	2.37E+08	237041866	+	1.537E-44	6.6379E-42	0.366206	hyper	sig	chr1_237041866
chr1	2.1E+08	210328290	+	1.557E-44	6.7216E-42	0.436172	hyper	sig	chr1_210328290
chr10	1.16E+08	116127686	+	1.572E-44	6.782E-42	-0.40757	hypo	sig	chr10_116127686
chr6	27680623	27680623	+	1.599E-44	6.8956E-42	0.360673	hyper	sig	chr6_27680623
chr2	2.32E+08	232387147	+	1.652E-44	7.1168E-42	0.403683	hyper	sig	chr2_232387147
chr12	63151508	63151508	+	1.672E-44	7.203E-42	0.379701	hyper	sig	chr12_63151508
chr16	67944089	67944089	+	1.7E-44	7.3161E-42	0.549469	hyper	sig	chr16_67944089
chr14	41608471	41608471	+	1.731E-44	7.4407E-42	0.400219	hyper	sig	chr14_41608471
chr16	85847907	85847907	+	1.731E-44	7.4407E-42	-0.39203	hypo	sig	chr16_85847907
chr7	1.58E+08	157663309	+	1.731E-44	7.4407E-42	0.386427	hyper	sig	chr7_157663309
chr1	2.37E+08	237041861	+	1.743E-44	7.482E-42	0.370848	hyper	sig	chr1_237041861
chr22	37282601	37282601	+	1.742E-44	7.482E-42	-0.33905	hypo	sig	chr22_37282601
chr1	2.21E+08	220882059	+	1.759E-44	7.5496E-42	0.43859	hyper	sig	chr1_220882059
chr8	1.01E+08	100900097	+	1.774E-44	7.6098E-42	-0.43056	hypo	sig	chr8_100900097
chr2	85750788	85750788	+	1.778E-44	7.6202E-42	-0.32105	hypo	sig	chr2_85750788
chr12	1.17E+08	116559315	+	1.782E-44	7.6336E-42	-0.28861	hypo	sig	chr12_116559315
chr1	1007255	1007255	+	1.787E-44	7.6456E-42	-0.37256	hypo	sig	chr1_1007255
chr17	81277523	81277523	+	1.788E-44	7.6456E-42	0.410941	hyper	sig	chr17_81277523
chr20	25077778	25077778	+	1.786E-44	7.6456E-42	0.432546	hyper	sig	chr20_25077778
chr20	25083632	25083632	+	1.788E-44	7.6456E-42	0.390128	hyper	sig	chr20_25083632
chr11	1.12E+08	111540317	+	1.795E-44	7.6707E-42	0.46481	hyper	sig	chr11_111540317
chr17	80067683	80067683	+	1.8E-44	7.689E-42	-0.35708	hypo	sig	chr17_80067683
chr2	2.19E+08	219421472	+	1.86E-44	7.9405E-42	0.403587	hyper	sig	chr2_219421472
chr11	94769224	94769224	+	1.885E-44	8.0439E-42	0.334178	hyper	sig	chr11_94769224

chr5	43034186	43034186	+	1.891E-44	8.065E-42	0.442189	hyper	sig	chr5_43034186
chr12	6553415	6553415	+	1.898E-44	8.0908E-42	0.379899	hyper	sig	chr12_6553415
chr6	3825766	3825766	+	1.913E-44	8.1475E-42	0.387925	hyper	sig	chr6_3825766
chr3	49902693	49902693	+	1.926E-44	8.2005E-42	-0.40831	hypo	sig	chr3_49902693
chr13	1.01E+08	101416810	+	2.041E-44	8.6847E-42	0.382309	hyper	sig	chr13_101416810
chr1	1.48E+08	148310364	+	2.073E-44	8.8145E-42	0.405011	hyper	sig	chr1_148310364
chr7	2203849	2203849	+	2.086E-44	8.8685E-42	0.384707	hyper	sig	chr7_2203849
chr13	1.13E+08	113098341	+	2.098E-44	8.9134E-42	0.35312	hyper	sig	chr13_113098341
chr14	1.05E+08	104844688	+	2.113E-44	8.9742E-42	0.320138	hyper	sig	chr14_104844688
chr7	2641719	2641719	+	2.123E-44	9.0094E-42	0.425665	hyper	sig	chr7_2641719
chr19	15264499	15264499	+	2.154E-44	9.1373E-42	0.333876	hyper	sig	chr19_15264499
chr3	1.97E+08	197378452	+	2.162E-44	9.1674E-42	0.355891	hyper	sig	chr3_197378452
chr5	1.41E+08	141387688	+	2.169E-44	9.1927E-42	0.371563	hyper	sig	chr5_141387688
chr6	1.7E+08	170177131	+	2.175E-44	9.2117E-42	-0.44272	hypo	sig	chr6_170177131
chr17	77409785	77409785	+	2.188E-44	9.2608E-42	0.466319	hyper	sig	chr17_77409785
chr6	72621427	72621427	+	2.233E-44	9.4467E-42	0.292633	hyper	sig	chr6_72621427
chr4	1.51E+08	150583924	+	2.241E-44	9.4753E-42	0.423457	hyper	sig	chr4_150583924
chr13	1.12E+08	112056496	+	2.247E-44	9.4953E-42	0.517765	hyper	sig	chr13_112056496
chr11	71206487	71206487	+	2.261E-44	9.5511E-42	0.422121	hyper	sig	chr11_71206487
chr13	93228365	93228365	+	2.272E-44	9.5902E-42	0.46541	hyper	sig	chr13_93228365
chr6	31728540	31728540	+	2.281E-44	9.6241E-42	0.406459	hyper	sig	chr6_31728540
chr2	2.32E+08	232419641	+	2.283E-44	9.6271E-42	0.441028	hyper	sig	chr2_232419641
chr11	15938376	15938376	+	2.298E-44	9.6855E-42	0.371579	hyper	sig	chr11_15938376
chr5	1.77E+08	177496027	+	2.3E-44	9.6897E-42	0.342764	hyper	sig	chr5_177496027
chr19	3344275	3344275	+	2.303E-44	9.6983E-42	-0.35836	hypo	sig	chr19_3344275
chr5	1.41E+08	141330944	+	2.313E-44	9.7353E-42	0.381317	hyper	sig	chr5_141330944
chr5	1.46E+08	146342918	+	2.317E-44	9.7474E-42	0.395419	hyper	sig	chr5_146342918
chr13	52849923	52849923	+	2.346E-44	9.8623E-42	0.443711	hyper	sig	chr13_52849923
chr7	1.5E+08	150389123	+	2.424E-44	1.0186E-41	0.462251	hyper	sig	chr7_150389123
chr5	37838360	37838360	+	2.44E-44	1.0248E-41	0.304577	hyper	sig	chr5_37838360
chr7	1.55E+08	155467656	+	2.466E-44	1.0353E-41	0.434346	hyper	sig	chr7_155467656
chr11	65356004	65356004	+	2.522E-44	1.0581E-41	0.426742	hyper	sig	chr11_65356004
chr2	1.72E+08	172196974	+	2.528E-44	1.0602E-41	-0.47784	hypo	sig	chr2_172196974
chr12	6961590	6961590	+	2.551E-44	1.0693E-41	-0.29115	hypo	sig	chr12_6961590
chr16	8712825	8712825	+	2.59E-44	1.0849E-41	0.361728	hyper	sig	chr16_8712825
chr5	3590872	3590872	+	2.607E-44	1.0916E-41	0.36879	hyper	sig	chr5_3590872
chr9	1.21E+08	120894914	+	2.641E-44	1.1052E-41	0.423006	hyper	sig	chr9_120894914
chr8	1.41E+08	141164532	+	2.661E-44	1.1132E-41	0.34555	hyper	sig	chr8_141164532
chr13	36345735	36345735	+	2.711E-44	1.1332E-41	0.345533	hyper	sig	chr13_36345735
chr10	1.24E+08	124010703	+	2.765E-44	1.1552E-41	0.366971	hyper	sig	chr10_124010703
chr22	27669880	27669880	+	2.794E-44	1.1667E-41	-0.44724	hypo	sig	chr22_27669880
chr3	45167760	45167760	+	2.803E-44	1.17E-41	-0.2163	hypo	sig	chr3_45167760
chr19	19529199	19529199	+	2.809E-44	1.1721E-41	0.426035	hyper	sig	chr19_19529199
chr10	72009416	72009416	+	2.856E-44	1.1909E-41	0.390739	hyper	sig	chr10_72009416
chr17	79986007	79986007	+	2.866E-44	1.1938E-41	-0.34408	hypo	sig	chr17_79986007
chr19	3398991	3398991	+	2.865E-44	1.1938E-41	0.402952	hyper	sig	chr19_3398991
chr19	53521586	53521586	+	2.895E-44	1.2053E-41	0.383645	hyper	sig	chr19_53521586
chr22	41699380	41699380	+	2.902E-44	1.2074E-41	0.30973	hyper	sig	chr22_41699380
chr19	43774376	43774376	+	2.912E-44	1.211E-41	0.43131	hyper	sig	chr19_43774376
chr1	15758345	15758345	+	3.004E-44	1.2487E-41	0.408477	hyper	sig	chr1_15758345
chr11	526395	526395	+	3.035E-44	1.2609E-41	-0.34611	hypo	sig	chr11_526395
chr6	1.66E+08	165686785	+	3.081E-44	1.2794E-41	0.315789	hyper	sig	chr6_165686785
chr19	48480343	48480343	+	3.109E-44	1.2904E-41	0.370519	hyper	sig	chr19_48480343
chr2	2.41E+08	241049940	+	3.147E-44	1.3053E-41	0.464009	hyper	sig	chr2_241049940
chr3	1.6E+08	160039166	+	3.198E-44	1.3261E-41	0.348798	hyper	sig	chr3_160039166
chr10	1.33E+08	132545064	+	3.228E-44	1.3376E-41	0.40158	hyper	sig	chr10_132545064

chr13	46898115	46898115	+	3.235E-44	1.34E-41	-0.44307	hypo	sig	chr13_46898115
chr20	21517626	21517626	+	3.271E-44	1.3543E-41	0.407369	hyper	sig	chr20_21517626
chr13	1.02E+08	101919895	+	3.289E-44	1.3611E-41	0.420343	hyper	sig	chr13_101919895
chr5	6349417	6349417	+	3.328E-44	1.3762E-41	-0.42806	hypo	sig	chr5_6349417
chr1	2.21E+08	220884414	+	3.438E-44	1.4211E-41	0.453508	hyper	sig	chr1_220884414
chr1	2.44E+08	243917651	+	3.45E-44	1.4256E-41	0.41097	hyper	sig	chr1_243917651
chr2	2.39E+08	239309152	+	3.459E-44	1.4286E-41	0.40436	hyper	sig	chr2_239309152
chr5	1.42E+08	142014109	+	3.473E-44	1.4333E-41	-0.40564	hypo	sig	chr5_142014109
chr10	73867406	73867406	+	3.498E-44	1.4429E-41	0.369685	hyper	sig	chr10_73867406
chr1	25567244	25567244	+	3.541E-44	1.4602E-41	0.402525	hyper	sig	chr1_25567244
chr7	97022916	97022916	+	3.572E-44	1.4722E-41	0.36803	hyper	sig	chr7_97022916
chr10	2949962	2949962	+	3.583E-44	1.476E-41	-0.43321	hypo	sig	chr10_2949962
chr4	65669483	65669483	+	3.597E-44	1.4811E-41	0.37098	hyper	sig	chr4_65669483
chr7	8442640	8442640	+	3.607E-44	1.4842E-41	0.380366	hyper	sig	chr7_8442640
chr19	49436741	49436741	+	3.677E-44	1.5122E-41	0.426365	hyper	sig	chr19_49436741
chr17	50551036	50551036	+	3.709E-44	1.5248E-41	0.410063	hyper	sig	chr17_50551036
chr2	1.19E+08	118857967	+	3.735E-44	1.5346E-41	0.33878	hyper	sig	chr2_118857967
chr14	1.01E+08	101442676	+	3.755E-44	1.5421E-41	-0.5346	hypo	sig	chr14_101442676
chr19	57351265	57351265	+	3.761E-44	1.5436E-41	0.334658	hyper	sig	chr19_57351265
chr3	1.94E+08	194376457	+	3.769E-44	1.546E-41	-0.3541	hypo	sig	chr3_194376457
chr7	1040927	1040927	+	3.786E-44	1.5524E-41	0.410361	hyper	sig	chr7_1040927
chr19	15010715	15010715	+	3.8E-44	1.5574E-41	0.465405	hyper	sig	chr19_15010715
chr1	2.29E+08	228650240	+	3.855E-44	1.5791E-41	0.417455	hyper	sig	chr1_228650240
chr5	1.41E+08	141393051	+	3.896E-44	1.5951E-41	0.358579	hyper	sig	chr5_141393051
chr1	2.08E+08	207669806	+	3.924E-44	1.6059E-41	0.370123	hyper	sig	chr1_207669806
chr4	2341454	2341454	+	3.927E-44	1.606E-41	0.398855	hyper	sig	chr4_2341454
chr13	91395154	91395154	+	4.024E-44	1.6448E-41	-0.48207	hypo	sig	chr13_91395154
chr13	1.12E+08	112104200	+	4.048E-44	1.6539E-41	0.399255	hyper	sig	chr13_112104200
chr16	2127242	2127242	+	4.097E-44	1.6733E-41	0.326537	hyper	sig	chr16_2127242
chr10	99531570	99531570	+	4.103E-44	1.6747E-41	0.36907	hyper	sig	chr10_99531570
chr1	2.44E+08	243917654	+	4.197E-44	1.7124E-41	0.411717	hyper	sig	chr1_243917654
chr8	1.41E+08	141299545	+	4.234E-44	1.7265E-41	0.336632	hyper	sig	chr8_141299545
chr17	1031268	1031268	+	4.279E-44	1.7438E-41	0.43362	hyper	sig	chr17_1031268
chr12	1.28E+08	128366007	+	4.325E-44	1.762E-41	0.339284	hyper	sig	chr12_128366007
chr2	1.19E+08	118857985	+	4.462E-44	1.8167E-41	0.338865	hyper	sig	chr2_118857985
chr1	2.28E+08	228341278	+	4.508E-44	1.8346E-41	-0.45326	hypo	sig	chr1_228341278
chr16	2130119	2130119	+	4.515E-44	1.8365E-41	0.423795	hyper	sig	chr16_2130119
chr16	15143901	15143901	+	4.519E-44	1.8372E-41	0.505883	hyper	sig	chr16_15143901
chr11	268943	268943	+	4.569E-44	1.8567E-41	-0.30619	hypo	sig	chr11_268943
chr13	36430741	36430741	+	4.611E-44	1.8726E-41	0.373306	hyper	sig	chr13_36430741
chr5	31855299	31855299	+	4.613E-44	1.8726E-41	0.420805	hyper	sig	chr5_31855299
chr17	78723493	78723493	+	4.717E-44	1.9137E-41	0.463945	hyper	sig	chr17_78723493
chr1	8212217	8212217	+	4.756E-44	1.9287E-41	-0.39909	hypo	sig	chr1_8212217
chr11	71206514	71206514	+	4.802E-44	1.9464E-41	0.433169	hyper	sig	chr11_71206514
chr6	29792229	29792229	+	4.817E-44	1.9512E-41	0.366337	hyper	sig	chr6_29792229
chr15	28107347	28107347	+	4.823E-44	1.9529E-41	0.344649	hyper	sig	chr15_28107347
chr11	18248794	18248794	+	4.877E-44	1.9736E-41	-0.37451	hypo	sig	chr11_18248794
chr8	22231960	22231960	+	4.886E-44	1.9765E-41	0.323529	hyper	sig	chr8_22231960
chr9	19789289	19789289	+	4.95E-44	2.0014E-41	0.464905	hyper	sig	chr9_19789289
chr13	67773176	67773176	+	5.009E-44	2.0243E-41	-0.47866	hypo	sig	chr13_67773176
chr3	49902687	49902687	+	5.08E-44	2.0519E-41	-0.41844	hypo	sig	chr3_49902687
chr21	41765556	41765556	+	5.101E-44	2.0593E-41	-0.41143	hypo	sig	chr21_41765556
chr2	73893186	73893186	+	5.118E-44	2.065E-41	0.370412	hyper	sig	chr2_73893186
chr19	10817969	10817969	+	5.136E-44	2.0715E-41	0.322669	hyper	sig	chr19_10817969
chr7	4767333	4767333	+	5.147E-44	2.0749E-41	0.354558	hyper	sig	chr7_4767333
chr1	2.21E+08	220895463	+	5.265E-44	2.1213E-41	0.369824	hyper	sig	chr1_220895463

chr7	1.51E+08	151408939	+	5.326E-44	2.1449E-41	-0.38778	hypo	sig	chr7_151408939
chr2	53860206	53860206	+	5.858E-44	2.3578E-41	0.513578	hyper	sig	chr2_53860206
chr6	30164134	30164134	+	5.875E-44	2.3635E-41	-0.39285	hypo	sig	chr6_30164134
chr6	1.1E+08	110357708	+	5.939E-44	2.3881E-41	0.370725	hyper	sig	chr6_110357708
chr8	96159640	96159640	+	5.946E-44	2.3895E-41	0.374643	hyper	sig	chr8_96159640
chr19	1775276	1775276	+	5.961E-44	2.3943E-41	0.385822	hyper	sig	chr19_1775276
chr20	62063807	62063807	+	5.963E-44	2.3943E-41	0.423135	hyper	sig	chr20_62063807
chr1	2.21E+08	220884869	+	5.968E-44	2.3949E-41	0.420586	hyper	sig	chr1_220884869
chr4	3304967	3304967	+	6.066E-44	2.4332E-41	0.35858	hyper	sig	chr4_3304967
chr11	1.29E+08	128824323	+	6.082E-44	2.4384E-41	0.415426	hyper	sig	chr11_128824323
chr19	55647833	55647833	+	6.097E-44	2.4433E-41	0.450954	hyper	sig	chr19_55647833
chr1	41479104	41479104	+	6.11E-44	2.447E-41	0.367647	hyper	sig	chr1_41479104
chr1	1.59E+08	159188690	+	6.232E-44	2.4949E-41	0.333693	hyper	sig	chr1_159188690
chr6	1E+08	100464229	+	6.364E-44	2.5465E-41	0.361077	hyper	sig	chr6_100464229
chr19	36797389	36797389	+	6.413E-44	2.5646E-41	0.288885	hyper	sig	chr19_36797389
chr12	72273396	72273396	+	6.482E-44	2.5911E-41	0.369604	hyper	sig	chr12_72273396
chr13	27926824	27926824	+	6.492E-44	2.5939E-41	0.463648	hyper	sig	chr13_27926824
chr16	86151596	86151596	+	6.514E-44	2.6014E-41	0.382789	hyper	sig	chr16_86151596
chr2	2.34E+08	233939039	+	6.53E-44	2.6064E-41	0.396154	hyper	sig	chr2_233939039
chr7	1.52E+08	151745414	+	6.556E-44	2.6153E-41	-0.38831	hypo	sig	chr7_151745414
chr2	44933267	44933267	+	6.565E-44	2.6176E-41	0.456787	hyper	sig	chr2_44933267
chr17	45262386	45262386	+	6.592E-44	2.6274E-41	0.296689	hyper	sig	chr17_45262386
chr7	1.29E+08	128915653	+	6.736E-44	2.6834E-41	0.420158	hyper	sig	chr7_128915653
chr20	38807095	38807095	+	6.747E-44	2.6862E-41	0.325275	hyper	sig	chr20_38807095
chr6	1.69E+08	168909514	+	6.79E-44	2.702E-41	-0.37801	hypo	sig	chr6_168909514
chr1	1.44E+08	143654996	+	6.898E-44	2.7436E-41	0.419735	hyper	sig	chr1_143654996
chr6	29553551	29553551	+	6.913E-44	2.7485E-41	0.311703	hyper	sig	chr6_29553551
chr19	12156870	12156870	+	6.929E-44	2.7535E-41	0.31034	hyper	sig	chr19_12156870
chr6	1.67E+08	167153715	+	6.939E-44	2.7561E-41	-0.39038	hypo	sig	chr6_167153715
chr10	23693650	23693650	+	6.957E-44	2.7617E-41	0.345803	hyper	sig	chr10_23693650
chr5	1.41E+08	141245436	+	6.978E-44	2.7686E-41	0.349123	hyper	sig	chr5_141245436
chr17	75646324	75646324	+	7.03E-44	2.7883E-41	-0.3186	hypo	sig	chr17_75646324
chr2	2.39E+08	239311355	+	7.062E-44	2.7992E-41	0.360724	hyper	sig	chr2_239311355
chr22	36324186	36324186	+	7.074E-44	2.8027E-41	0.372936	hyper	sig	chr22_36324186
chr7	27124302	27124302	+	7.219E-44	2.8589E-41	0.394233	hyper	sig	chr7_27124302
chr2	1.28E+08	127682479	+	7.228E-44	2.861E-41	0.314393	hyper	sig	chr2_127682479
chr14	1.02E+08	101781264	+	7.301E-44	2.8883E-41	0.339948	hyper	sig	chr14_101781264
chr12	1.11E+08	111034157	+	7.363E-44	2.9118E-41	0.421981	hyper	sig	chr12_111034157
chr13	24511163	24511163	+	7.423E-44	2.934E-41	-0.36997	hypo	sig	chr13_24511163
chr9	98707690	98707690	+	7.433E-44	2.9366E-41	0.319881	hyper	sig	chr9_98707690
chr5	1.76E+08	176366501	+	7.575E-44	2.9911E-41	0.399363	hyper	sig	chr5_176366501
chr20	5315686	5315686	+	7.705E-44	3.0409E-41	0.413077	hyper	sig	chr20_5315686
chr17	64779454	64779454	+	7.74E-44	3.0532E-41	0.388662	hyper	sig	chr17_64779454
chr2	3632794	3632794	+	7.755E-44	3.0578E-41	-0.44618	hypo	sig	chr2_3632794
chr19	1467046	1467046	+	7.761E-44	3.0586E-41	0.413724	hyper	sig	chr19_1467046
chr7	194051	194051	+	7.777E-44	3.0632E-41	0.328351	hyper	sig	chr7_194051
chr19	12156904	12156904	+	7.929E-44	3.1216E-41	0.288159	hyper	sig	chr19_12156904
chr1	2.37E+08	237041874	+	7.988E-44	3.1436E-41	0.351083	hyper	sig	chr1_237041874
chr5	63961901	63961901	+	8.01E-44	3.1506E-41	0.322817	hyper	sig	chr5_63961901
chr6	1.52E+08	151807453	+	8.061E-44	3.1692E-41	0.36174	hyper	sig	chr6_151807453
chr16	3949202	3949202	+	8.092E-44	3.1799E-41	0.332809	hyper	sig	chr16_3949202
chr13	1.12E+08	112068019	+	8.205E-44	3.2227E-41	0.383186	hyper	sig	chr13_112068019
chr10	1.01E+08	101132809	+	8.346E-44	3.2765E-41	0.480619	hyper	sig	chr10_101132809
chr16	67163247	67163247	+	8.358E-44	3.2796E-41	0.361722	hyper	sig	chr16_67163247
chr5	1.16E+08	115816629	+	8.411E-44	3.2987E-41	0.379497	hyper	sig	chr5_115816629
chr1	1.77E+08	177161119	+	8.495E-44	3.3301E-41	-0.37126	hypo	sig	chr1_177161119

chr19	5294179	5294179	+	8.56E-44	3.3537E-41	0.337355	hyper	sig	chr19_5294179
chr17	79986005	79986005	+	8.581E-44	3.3604E-41	-0.33726	hypo	sig	chr17_79986005
chr2	1.82E+08	181684877	+	8.613E-44	3.3714E-41	0.397617	hyper	sig	chr2_181684877
chr20	25084182	25084182	+	8.64E-44	3.3802E-41	0.371526	hyper	sig	chr20_25084182
chr13	77919541	77919541	+	8.664E-44	3.3881E-41	0.352486	hyper	sig	chr13_77919541
chr14	26598710	26598710	+	8.718E-44	3.4075E-41	0.348698	hyper	sig	chr14_26598710
chr7	50093504	50093504	+	8.777E-44	3.4292E-41	-0.30156	hypo	sig	chr7_50093504
chr14	73718606	73718606	+	8.878E-44	3.4667E-41	0.390033	hyper	sig	chr14_73718606
chr3	1.97E+08	197354783	+	8.901E-44	3.474E-41	0.416848	hyper	sig	chr3_197354783
chr13	69235161	69235161	+	8.982E-44	3.5039E-41	-0.45677	hypo	sig	chr13_69235161
chr8	96159690	96159690	+	9.088E-44	3.5436E-41	0.375293	hyper	sig	chr8_96159690
chr10	70256429	70256429	+	9.132E-44	3.559E-41	-0.45477	hypo	sig	chr10_70256429
chr6	50716045	50716045	+	9.162E-44	3.5689E-41	0.383233	hyper	sig	chr6_50716045
chr10	21175329	21175329	+	9.295E-44	3.6175E-41	-0.38211	hypo	sig	chr10_21175329
chr6	50707897	50707897	+	9.295E-44	3.6175E-41	0.389213	hyper	sig	chr6_50707897
chr11	94769222	94769222	+	9.599E-44	3.7339E-41	0.34794	hyper	sig	chr11_94769222
chr9	1.3E+08	130194057	+	9.688E-44	3.7669E-41	0.421013	hyper	sig	chr9_130194057
chr1	3356190	3356190	+	9.699E-44	3.7689E-41	-0.41715	hypo	sig	chr1_3356190
chr7	1.12E+08	111562952	+	9.703E-44	3.7689E-41	-0.4186	hypo	sig	chr7_111562952
chr5	88678728	88678728	+	9.731E-44	3.7782E-41	0.360136	hyper	sig	chr5_88678728
chr6	27680582	27680582	+	9.867E-44	3.8292E-41	0.381983	hyper	sig	chr6_27680582
chr10	1.3E+08	129887890	+	1.013E-43	3.9285E-41	-0.40232	hypo	sig	chr10_129887890
chr2	44928078	44928078	+	1.029E-43	3.988E-41	0.400065	hyper	sig	chr2_44928078
chr12	1.3E+08	130042291	+	1.046E-43	4.0515E-41	0.36376	hyper	sig	chr12_130042291
chr12	89350732	89350732	+	1.052E-43	4.075E-41	-0.32976	hypo	sig	chr12_89350732
chr4	8191660	8191660	+	1.065E-43	4.1225E-41	-0.44422	hypo	sig	chr4_8191660
chr1	2.29E+08	229434492	+	1.068E-43	4.1314E-41	0.377447	hyper	sig	chr1_229434492
chr7	2110404	2110404	+	1.077E-43	4.1669E-41	-0.47063	hypo	sig	chr7_2110404
chr16	85534646	85534646	+	1.086E-43	4.1974E-41	0.28984	hyper	sig	chr16_85534646
chr12	9758720	9758720	+	1.086E-43	4.1976E-41	-0.39238	hypo	sig	chr12_9758720
chr1	21316024	21316024	+	1.093E-43	4.2196E-41	0.32987	hyper	sig	chr1_21316024
chr5	1.59E+08	159104639	+	1.095E-43	4.2281E-41	0.469083	hyper	sig	chr5_159104639
chr19	39264156	39264156	+	1.113E-43	4.2946E-41	0.39008	hyper	sig	chr19_39264156
chr2	1.27E+08	127176025	+	1.128E-43	4.3498E-41	0.333417	hyper	sig	chr2_127176025
chr12	1.15E+08	114696567	+	1.158E-43	4.465E-41	0.380046	hyper	sig	chr12_114696567
chr2	2.33E+08	233060091	+	1.181E-43	4.5522E-41	-0.38731	hypo	sig	chr2_233060091
chr8	64585930	64585930	+	1.184E-43	4.5605E-41	0.369419	hyper	sig	chr8_64585930
chr13	1.12E+08	112104065	+	1.188E-43	4.5727E-41	0.347222	hyper	sig	chr13_112104065
chr16	51151193	51151193	+	1.193E-43	4.5892E-41	0.443012	hyper	sig	chr16_51151193
chr10	25176551	25176551	+	1.205E-43	4.635E-41	0.284139	hyper	sig	chr10_25176551
chr6	1.66E+08	165847626	+	1.246E-43	4.7907E-41	-0.34178	hypo	sig	chr6_165847626
chr8	66962140	66962140	+	1.257E-43	4.8306E-41	0.368862	hyper	sig	chr8_66962140
chr7	54541904	54541904	+	1.279E-43	4.9134E-41	0.350096	hyper	sig	chr7_54541904
chr4	8191670	8191670	+	1.285E-43	4.9341E-41	-0.46765	hypo	sig	chr4_8191670
chr16	71426434	71426434	+	1.287E-43	4.9368E-41	0.35036	hyper	sig	chr16_71426434
chr20	21509634	21509634	+	1.292E-43	4.9546E-41	0.385684	hyper	sig	chr20_21509634
chr16	2127232	2127232	+	1.314E-43	5.0365E-41	0.302827	hyper	sig	chr16_2127232
chr19	22286398	22286398	+	1.328E-43	5.0891E-41	0.404614	hyper	sig	chr19_22286398
chr1	2.43E+08	242524165	+	1.335E-43	5.1106E-41	0.361028	hyper	sig	chr1_242524165
chr5	33936467	33936467	+	1.349E-43	5.1629E-41	0.366108	hyper	sig	chr5_33936467
chr19	58009522	58009522	+	1.353E-43	5.1769E-41	0.459618	hyper	sig	chr19_58009522
chr7	1.54E+08	153752115	+	1.378E-43	5.2695E-41	-0.37526	hypo	sig	chr7_153752115
chr19	49133326	49133326	+	1.408E-43	5.3824E-41	0.379455	hyper	sig	chr19_49133326
chr19	19529184	19529184	+	1.42E-43	5.4236E-41	0.405028	hyper	sig	chr19_19529184
chr3	27723325	27723325	+	1.422E-43	5.4312E-41	0.374429	hyper	sig	chr3_27723325
chr13	22929986	22929986	+	1.431E-43	5.4615E-41	-0.49801	hypo	sig	chr13_22929986

chr13	27926812	27926812	+	1.433E-43	5.4668E-41	0.491561	hyper	sig	chr13_27926812
chr5	173125	173125	+	1.461E-43	5.5723E-41	-0.54877	hypo	sig	chr5_173125
chr1	2.28E+08	228464827	+	1.469E-43	5.5995E-41	0.347607	hyper	sig	chr1_228464827
chr11	1.18E+08	117987355	+	1.491E-43	5.679E-41	-0.40872	hypo	sig	chr11_117987355
chr3	62378402	62378402	+	1.501E-43	5.7155E-41	0.32642	hyper	sig	chr3_62378402
chr10	55628581	55628581	+	1.509E-43	5.7418E-41	0.358901	hyper	sig	chr10_55628581
chr7	2110418	2110418	+	1.518E-43	5.7765E-41	-0.49525	hypo	sig	chr7_2110418
chr10	60732594	60732594	+	1.523E-43	5.7916E-41	-0.34419	hypo	sig	chr10_60732594
chr19	1467033	1467033	+	1.529E-43	5.8123E-41	0.386461	hyper	sig	chr19_1467033
chr3	1.85E+08	184583423	+	1.534E-43	5.8265E-41	0.474887	hyper	sig	chr3_184583423
chr13	1.14E+08	114151847	+	1.556E-43	5.9098E-41	-0.34092	hypo	sig	chr13_114151847
chr16	67982371	67982371	+	1.591E-43	6.0401E-41	-0.40021	hypo	sig	chr16_67982371
chr17	57954234	57954234	+	1.593E-43	6.0417E-41	0.354242	hyper	sig	chr17_57954234
chr19	58059061	58059061	+	1.651E-43	6.2607E-41	0.436188	hyper	sig	chr19_58059061
chr13	25171805	25171805	+	1.67E-43	6.3276E-41	0.382728	hyper	sig	chr13_25171805
chr1	27341626	27341626	+	1.688E-43	6.3959E-41	-0.41457	hypo	sig	chr1_27341626
chr5	55230730	55230730	+	1.691E-43	6.4037E-41	0.386664	hyper	sig	chr5_55230730
chr6	62286722	62286722	+	1.702E-43	6.4433E-41	0.404656	hyper	sig	chr6_62286722
chr5	1.46E+08	146339086	+	1.749E-43	6.6181E-41	0.339803	hyper	sig	chr5_146339086
chr2	2.39E+08	239309197	+	1.781E-43	6.734E-41	0.396893	hyper	sig	chr2_239309197
chr3	1.25E+08	125357615	+	1.786E-43	6.7499E-41	0.41433	hyper	sig	chr3_125357615
chr1	1.62E+08	161605904	+	1.793E-43	6.7739E-41	0.393528	hyper	sig	chr1_161605904
chr2	66433016	66433016	+	1.804E-43	6.8118E-41	0.321298	hyper	sig	chr2_66433016
chr14	1.01E+08	101060850	+	1.825E-43	6.8864E-41	-0.41422	hypo	sig	chr14_101060850
chr7	868167	868167	+	1.828E-43	6.8946E-41	0.33052	hyper	sig	chr7_868167
chr5	33936441	33936441	+	1.874E-43	7.0657E-41	0.392227	hyper	sig	chr5_33936441
chr5	1.41E+08	141371889	+	1.875E-43	7.0657E-41	0.404641	hyper	sig	chr5_141371889
chr4	1209853	1209853	+	1.922E-43	7.2402E-41	0.426021	hyper	sig	chr4_1209853
chr12	1.15E+08	114697252	+	1.96E-43	7.3785E-41	0.333367	hyper	sig	chr12_114697252
chr19	4215046	4215046	+	1.979E-43	7.4478E-41	-0.45996	hypo	sig	chr19_4215046
chr14	99512219	99512219	+	1.995E-43	7.5068E-41	0.365543	hyper	sig	chr14_99512219
chr16	70686519	70686519	+	2.034E-43	7.6463E-41	0.386306	hyper	sig	chr16_70686519
chr2	66433002	66433002	+	2.034E-43	7.6463E-41	0.307197	hyper	sig	chr2_66433002
chr7	93890957	93890957	+	2.039E-43	7.6598E-41	0.408901	hyper	sig	chr7_93890957
chr6	1.34E+08	133667619	+	2.059E-43	7.7302E-41	-0.43436	hypo	sig	chr6_133667619
chr11	45355447	45355447	+	2.073E-43	7.7795E-41	0.315806	hyper	sig	chr11_45355447
chr5	1.46E+08	146339108	+	2.097E-43	7.8681E-41	0.361217	hyper	sig	chr5_146339108
chr17	81027168	81027168	+	2.1E-43	7.8752E-41	0.402496	hyper	sig	chr17_81027168
chr5	43034184	43034184	+	2.107E-43	7.8954E-41	0.432592	hyper	sig	chr5_43034184
chr3	12938395	12938395	+	2.131E-43	7.9838E-41	0.48666	hyper	sig	chr3_12938395
chr7	1.52E+08	151745254	+	2.176E-43	8.1474E-41	-0.39318	hypo	sig	chr7_151745254
chr16	67163267	67163267	+	2.199E-43	8.2314E-41	0.37439	hyper	sig	chr16_67163267
chr13	1.01E+08	101416687	+	2.214E-43	8.2833E-41	0.353829	hyper	sig	chr13_101416687
chr7	5533163	5533163	+	2.224E-43	8.3177E-41	-0.40795	hypo	sig	chr7_5533163
chr16	2130170	2130170	+	2.253E-43	8.4225E-41	0.381161	hyper	sig	chr16_2130170
chr13	36674237	36674237	+	2.329E-43	8.7004E-41	0.340858	hyper	sig	chr13_36674237
chr11	8671314	8671314	+	2.374E-43	8.8665E-41	0.410004	hyper	sig	chr11_8671314
chr3	56776111	56776111	+	2.407E-43	8.9856E-41	0.385048	hyper	sig	chr3_56776111
chr2	1.87E+08	186849338	+	2.454E-43	9.1541E-41	0.351204	hyper	sig	chr2_186849338
chr7	1.51E+08	151403985	+	2.464E-43	9.1895E-41	-0.38001	hypo	sig	chr7_151403985
chr10	1.01E+08	100519926	+	2.469E-43	9.2016E-41	0.41575	hyper	sig	chr10_100519926
chr19	13000028	13000028	+	2.487E-43	9.2638E-41	0.352601	hyper	sig	chr19_13000028
chr13	36345737	36345737	+	2.492E-43	9.2796E-41	0.352623	hyper	sig	chr13_36345737
chr1	2.21E+08	220884365	+	2.544E-43	9.4698E-41	0.453478	hyper	sig	chr1_220884365
chr20	46513272	46513272	+	2.557E-43	9.5149E-41	0.414983	hyper	sig	chr20_46513272
chr11	32433174	32433174	+	2.559E-43	9.5151E-41	0.426009	hyper	sig	chr11_32433174

chr16	3690881	3690881	+	2.571E-43	9.5568E-41	0.359201	hyper	sig	chr16_3690881
chr6	33080794	33080794	+	2.602E-43	9.669E-41	0.498619	hyper	sig	chr6_33080794
chr10	491188	491188	+	2.691E-43	9.9941E-41	0.376249	hyper	sig	chr10_491188
chr11	69294444	69294444	+	2.705E-43	1.0037E-40	-0.46736	hypo	sig	chr11_69294444
chr20	21519383	21519383	+	2.704E-43	1.0037E-40	0.371944	hyper	sig	chr20_21519383
chr1	10672454	10672454	+	2.719E-43	1.0081E-40	0.444292	hyper	sig	chr1_10672454
chr3	1.33E+08	133399995	+	2.718E-43	1.0081E-40	-0.38116	hypo	sig	chr3_133399995
chr17	81026879	81026879	+	2.752E-43	1.0197E-40	0.414054	hyper	sig	chr17_81026879
chr11	64759721	64759721	+	2.766E-43	1.0244E-40	0.388068	hyper	sig	chr11_64759721
chr11	27720575	27720575	+	2.776E-43	1.0276E-40	0.366737	hyper	sig	chr11_27720575
chr2	1.87E+08	186849341	+	2.777E-43	1.0276E-40	0.349923	hyper	sig	chr2_186849341
chr6	31728646	31728646	+	2.788E-43	1.031E-40	0.414218	hyper	sig	chr6_31728646
chr20	56926010	56926010	+	2.79E-43	1.0314E-40	0.390391	hyper	sig	chr20_56926010
chr17	4220927	4220927	+	2.794E-43	1.0325E-40	0.429126	hyper	sig	chr17_4220927
chr4	1310023	1310023	+	2.806E-43	1.0363E-40	0.39473	hyper	sig	chr4_1310023
chr1	1.58E+08	158181589	+	2.827E-43	1.0435E-40	0.413479	hyper	sig	chr1_158181589
chr17	66977823	66977823	+	2.83E-43	1.0442E-40	-0.39625	hypo	sig	chr17_66977823
chr12	40693653	40693653	+	2.884E-43	1.0638E-40	0.411205	hyper	sig	chr12_40693653
chr19	49142843	49142843	+	2.891E-43	1.0659E-40	0.241152	hyper	sig	chr19_49142843
chr8	66963213	66963213	+	2.945E-43	1.0853E-40	0.35492	hyper	sig	chr8_66963213
chr20	40681098	40681098	+	2.976E-43	1.0963E-40	-0.41085	hypo	sig	chr20_40681098
chr20	45297955	45297955	+	2.999E-43	1.104E-40	-0.4743	hypo	sig	chr20_45297955
chr14	62117809	62117809	+	3.033E-43	1.116E-40	0.318274	hyper	sig	chr14_62117809
chr5	1.41E+08	140672526	+	3.037E-43	1.1172E-40	0.409253	hyper	sig	chr5_140672526
chr7	25859597	25859597	+	3.047E-43	1.1205E-40	-0.38207	hypo	sig	chr7_25859597
chr11	65546517	65546517	+	3.055E-43	1.1228E-40	-0.37213	hypo	sig	chr11_65546517
chr7	27106669	27106669	+	3.06E-43	1.1242E-40	0.479824	hyper	sig	chr7_27106669
chr6	1.68E+08	167678374	+	3.077E-43	1.1297E-40	0.397862	hyper	sig	chr6_167678374
chr1	1.44E+08	143904653	+	3.14E-43	1.1524E-40	0.442982	hyper	sig	chr1_143904653
chr14	99215392	99215392	+	3.235E-43	1.1866E-40	0.405707	hyper	sig	chr14_99215392
chr6	42727350	42727350	+	3.315E-43	1.2154E-40	0.454891	hyper	sig	chr6_42727350
chr20	25082118	25082118	+	3.344E-43	1.2257E-40	0.423302	hyper	sig	chr20_25082118
chr13	1.01E+08	101416659	+	3.399E-43	1.2453E-40	0.407583	hyper	sig	chr13_101416659
chr7	1.55E+08	155373577	+	3.454E-43	1.2646E-40	0.305943	hyper	sig	chr7_155373577
chr8	96159732	96159732	+	3.46E-43	1.2664E-40	0.388582	hyper	sig	chr8_96159732
chr13	1.1E+08	110308139	+	3.463E-43	1.2671E-40	0.357523	hyper	sig	chr13_110308139
chr3	1.3E+08	129975333	+	3.523E-43	1.2882E-40	0.463395	hyper	sig	chr3_129975333
chr13	27926745	27926745	+	3.545E-43	1.2956E-40	0.49067	hyper	sig	chr13_27926745
chr20	25083573	25083573	+	3.584E-43	1.3095E-40	0.305997	hyper	sig	chr20_25083573
chr19	58059077	58059077	+	3.632E-43	1.3264E-40	0.44525	hyper	sig	chr19_58059077
chr5	1876254	1876254	+	3.663E-43	1.3371E-40	0.355805	hyper	sig	chr5_1876254
chr17	77377325	77377325	+	3.697E-43	1.3488E-40	0.407524	hyper	sig	chr17_77377325
chr12	1.22E+08	121767720	+	3.766E-43	1.3734E-40	0.377672	hyper	sig	chr12_121767720
chr1	24931690	24931690	+	3.841E-43	1.4002E-40	0.400862	hyper	sig	chr1_24931690
chr19	58440162	58440162	+	3.843E-43	1.4003E-40	0.249985	hyper	sig	chr19_58440162
chr19	43774366	43774366	+	3.855E-43	1.4038E-40	0.441667	hyper	sig	chr19_43774366
chr13	23547280	23547280	+	3.904E-43	1.4212E-40	0.436171	hyper	sig	chr13_23547280
chr4	56995761	56995761	+	3.914E-43	1.4242E-40	0.484272	hyper	sig	chr4_56995761
chr20	63178429	63178429	+	3.921E-43	1.4262E-40	0.411829	hyper	sig	chr20_63178429
chr7	50093525	50093525	+	3.927E-43	1.4276E-40	-0.30517	hypo	sig	chr7_50093525
chr6	1.6E+08	160350123	+	3.937E-43	1.4306E-40	-0.37971	hypo	sig	chr6_160350123
chr1	1.44E+08	143904660	+	3.986E-43	1.4478E-40	0.433784	hyper	sig	chr1_143904660
chr6	32079572	32079572	+	3.993E-43	1.4498E-40	-0.43258	hypo	sig	chr6_32079572
chr13	36297689	36297689	+	4.04E-43	1.466E-40	0.352086	hyper	sig	chr13_36297689
chr11	15938381	15938381	+	4.088E-43	1.4827E-40	0.358008	hyper	sig	chr11_15938381
chr2	1.82E+08	181684869	+	4.135E-43	1.4991E-40	0.354048	hyper	sig	chr2_181684869

chr16	58464870	58464870	+	4.152E-43	1.5046E-40	0.30583	hyper	sig	chr16_58464870
chr13	38687993	38687993	+	4.168E-43	1.5098E-40	0.353607	hyper	sig	chr13_38687993
chr2	2.39E+08	239309149	+	4.175E-43	1.5116E-40	0.393687	hyper	sig	chr2_239309149
chr10	1.17E+08	117197748	+	4.18E-43	1.5128E-40	-0.39529	hypo	sig	chr10_117197748
chr7	1.35E+08	134932841	+	4.254E-43	1.5388E-40	0.33911	hyper	sig	chr7_134932841
chr6	1.09E+08	109294354	+	4.278E-43	1.547E-40	-0.37586	hypo	sig	chr6_109294354
chr16	2130176	2130176	+	4.304E-43	1.5558E-40	0.359794	hyper	sig	chr16_2130176
chr13	36297629	36297629	+	4.327E-43	1.5632E-40	0.329224	hyper	sig	chr13_36297629
chr17	48726986	48726986	+	4.411E-43	1.593E-40	0.344331	hyper	sig	chr17_48726986
chr16	66925925	66925925	+	4.419E-43	1.5952E-40	0.432271	hyper	sig	chr16_66925925
chr2	43040641	43040641	+	4.452E-43	1.6063E-40	-0.41288	hypo	sig	chr2_43040641
chr8	52941099	52941099	+	4.48E-43	1.6157E-40	0.337661	hyper	sig	chr8_52941099
chr5	2683865	2683865	+	4.504E-43	1.6235E-40	-0.40222	hypo	sig	chr5_2683865
chr8	66961971	66961971	+	4.527E-43	1.6312E-40	0.404994	hyper	sig	chr8_66961971
chr7	2110433	2110433	+	4.571E-43	1.6464E-40	-0.51309	hypo	sig	chr7_2110433
chr10	26215330	26215330	+	4.591E-43	1.6529E-40	0.472471	hyper	sig	chr10_26215330
chr12	84912566	84912566	+	4.606E-43	1.6576E-40	0.405653	hyper	sig	chr12_84912566
chr17	77388983	77388983	+	4.617E-43	1.6606E-40	0.414967	hyper	sig	chr17_77388983
chr6	29558730	29558730	+	4.702E-43	1.6906E-40	-0.34351	hypo	sig	chr6_29558730
chr19	23003123	23003123	+	4.708E-43	1.6919E-40	0.367537	hyper	sig	chr19_23003123
chr10	1.01E+08	101134360	+	4.899E-43	1.7598E-40	0.340649	hyper	sig	chr10_101134360
chr21	45588184	45588184	+	4.998E-43	1.7946E-40	-0.4141	hypo	sig	chr21_45588184
chr6	1.33E+08	133263051	+	5.059E-43	1.8157E-40	-0.4308	hypo	sig	chr6_133263051
chr3	1.7E+08	169822553	+	5.202E-43	1.866E-40	-0.46146	hypo	sig	chr3_169822553
chr19	54365170	54365170	+	5.21E-43	1.8683E-40	-0.32549	hypo	sig	chr19_54365170
chr14	36517791	36517791	+	5.245E-43	1.8797E-40	0.3025	hyper	sig	chr14_36517791
chr4	1.4E+08	140256465	+	5.259E-43	1.884E-40	-0.35536	hypo	sig	chr4_140256465
chr19	58009794	58009794	+	5.263E-43	1.8848E-40	0.307244	hyper	sig	chr19_58009794
chr7	97022906	97022906	+	5.302E-43	1.8978E-40	0.379059	hyper	sig	chr7_97022906
chr19	19529207	19529207	+	5.388E-43	1.9276E-40	0.378338	hyper	sig	chr19_19529207
chr16	87407800	87407800	+	5.4E-43	1.9312E-40	-0.47678	hypo	sig	chr16_87407800
chr16	70725979	70725979	+	5.413E-43	1.9341E-40	0.493448	hyper	sig	chr16_70725979
chr2	44928564	44928564	+	5.413E-43	1.9341E-40	0.379403	hyper	sig	chr2_44928564
chr12	24920987	24920987	+	5.484E-43	1.9586E-40	-0.38902	hypo	sig	chr12_24920987
chr13	37869648	37869648	+	5.588E-43	1.9947E-40	0.353693	hyper	sig	chr13_37869648
chr17	80942767	80942767	+	5.674E-43	2.0246E-40	0.455043	hyper	sig	chr17_80942767
chr14	95227548	95227548	+	5.785E-43	2.0632E-40	0.365977	hyper	sig	chr14_95227548
chr13	1.12E+08	112249086	+	5.847E-43	2.0846E-40	0.355233	hyper	sig	chr13_112249086
chr5	42953557	42953557	+	5.883E-43	2.0964E-40	0.438958	hyper	sig	chr5_42953557
chr1	17766405	17766405	+	5.901E-43	2.102E-40	-0.39254	hypo	sig	chr1_17766405
chr15	59993630	59993630	+	6.071E-43	2.1616E-40	0.445271	hyper	sig	chr15_59993630
chr22	24165112	24165112	+	6.074E-43	2.1616E-40	0.36523	hyper	sig	chr22_24165112
chr20	45297911	45297911	+	6.113E-43	2.1745E-40	-0.50385	hypo	sig	chr20_45297911
chr16	70686515	70686515	+	6.201E-43	2.2048E-40	0.401749	hyper	sig	chr16_70686515
chr3	1.38E+08	137763425	+	6.28E-43	2.2321E-40	0.336317	hyper	sig	chr3_137763425
chr17	5499812	5499812	+	6.299E-43	2.238E-40	0.41451	hyper	sig	chr17_5499812
chr7	75643050	75643050	+	6.44E-43	2.2871E-40	-0.39447	hypo	sig	chr7_75643050
chr12	54000340	54000340	+	6.458E-43	2.2923E-40	0.345765	hyper	sig	chr12_54000340
chr17	45897553	45897553	+	6.589E-43	2.338E-40	0.363078	hyper	sig	chr17_45897553
chr7	27108590	27108590	+	6.607E-43	2.3432E-40	0.425458	hyper	sig	chr7_27108590
chr13	83906672	83906672	+	6.611E-43	2.3436E-40	-0.43069	hypo	sig	chr13_83906672
chr5	1.16E+08	115961993	+	6.658E-43	2.3593E-40	0.400987	hyper	sig	chr5_115961993
chr21	42668739	42668739	+	6.804E-43	2.41E-40	0.38129	hyper	sig	chr21_42668739
chr1	1.13E+08	112850571	+	6.884E-43	2.4372E-40	-0.38029	hypo	sig	chr1_112850571
chr13	36674246	36674246	+	6.903E-43	2.4428E-40	0.361085	hyper	sig	chr13_36674246
chr6	1.59E+08	158995498	+	6.914E-43	2.4458E-40	-0.43428	hypo	sig	chr6_158995498

chr10	1.33E+08	132940845	+	6.986E-43	2.4701E-40	-0.45788	hypo	sig	chr10_132940845
chr19	42096122	42096122	+	7.004E-43	2.4752E-40	0.502893	hyper	sig	chr19_42096122
chr1	1.19E+08	119007246	+	7.022E-43	2.4805E-40	0.462782	hyper	sig	chr1_119007246
chr1	1007278	1007278	+	7.108E-43	2.5099E-40	-0.35133	hypo	sig	chr1_1007278
chr1	37557056	37557056	+	7.132E-43	2.5172E-40	0.37936	hyper	sig	chr1_37557056
chr1	18631892	18631892	+	7.245E-43	2.556E-40	0.400755	hyper	sig	chr1_18631892
chr17	79986015	79986015	+	7.257E-43	2.5593E-40	-0.32921	hypo	sig	chr17_79986015
chr7	30470870	30470870	+	7.305E-43	2.5748E-40	0.378445	hyper	sig	chr7_30470870
chr2	2.39E+08	238586412	+	7.342E-43	2.587E-40	0.37076	hyper	sig	chr2_238586412
chr14	26598914	26598914	+	7.396E-43	2.605E-40	0.327104	hyper	sig	chr14_26598914
chr1	2.43E+08	242524163	+	7.428E-43	2.6141E-40	0.358162	hyper	sig	chr1_242524163
chr13	1.1E+08	110308210	+	7.429E-43	2.6141E-40	0.343973	hyper	sig	chr13_110308210
chr8	1.38E+08	138496600	+	7.468E-43	2.6267E-40	0.396652	hyper	sig	chr8_138496600
chr7	54542431	54542431	+	7.545E-43	2.6526E-40	0.352492	hyper	sig	chr7_54542431
chr19	1775303	1775303	+	7.568E-43	2.6596E-40	0.416468	hyper	sig	chr19_1775303
chr2	1.28E+08	127700674	+	7.682E-43	2.6986E-40	-0.45716	hypo	sig	chr2_127700674
chr17	58157536	58157536	+	7.746E-43	2.7197E-40	0.36959	hyper	sig	chr17_58157536
chr19	21474795	21474795	+	7.797E-43	2.7364E-40	0.368702	hyper	sig	chr19_21474795
chr20	60472430	60472430	+	7.872E-43	2.7617E-40	-0.44884	hypo	sig	chr20_60472430
chr14	51094068	51094068	+	7.88E-43	2.7631E-40	0.39174	hyper	sig	chr14_51094068
chr5	172852	172852	+	7.906E-43	2.7711E-40	-0.41703	hypo	sig	chr5_172852
chr10	26622026	26622026	+	7.911E-43	2.7719E-40	-0.40677	hypo	sig	chr10_26622026
chr13	29435829	29435829	+	7.935E-43	2.779E-40	0.359874	hyper	sig	chr13_29435829
chr20	36543544	36543544	+	7.986E-43	2.7957E-40	0.385934	hyper	sig	chr20_36543544
chr10	55628529	55628529	+	8.1E-43	2.8344E-40	0.314673	hyper	sig	chr10_55628529
chr19	5037159	5037159	+	8.126E-43	2.8421E-40	0.393617	hyper	sig	chr19_5037159
chr7	1753454	1753454	+	8.134E-43	2.8439E-40	-0.29327	hypo	sig	chr7_1753454
chr10	11892395	11892395	+	8.32E-43	2.9076E-40	-0.37104	hypo	sig	chr10_11892395
chr2	88286325	88286325	+	8.401E-43	2.9346E-40	-0.40463	hypo	sig	chr2_88286325
chr3	1.41E+08	141095193	+	8.472E-43	2.9581E-40	0.391193	hyper	sig	chr3_141095193
chr8	84182507	84182507	+	8.524E-43	2.9748E-40	0.340436	hyper	sig	chr8_84182507
chr13	1.02E+08	102401109	+	8.556E-43	2.9848E-40	0.311163	hyper	sig	chr13_102401109
chr20	24470845	24470845	+	8.586E-43	2.9942E-40	0.364515	hyper	sig	chr20_24470845
chr5	1.16E+08	116361574	+	8.693E-43	3.0301E-40	0.51581	hyper	sig	chr5_116361574
chr6	31728589	31728589	+	8.735E-43	3.0434E-40	0.424617	hyper	sig	chr6_31728589
chr12	1.13E+08	113479633	+	8.748E-43	3.0451E-40	0.38691	hyper	sig	chr12_113479633
chr5	1.67E+08	166784685	+	8.745E-43	3.0451E-40	-0.43337	hypo	sig	chr5_166784685
chr11	504904	504904	+	8.808E-43	3.0647E-40	0.414114	hyper	sig	chr11_504904
chr7	842339	842339	+	8.897E-43	3.0943E-40	0.325713	hyper	sig	chr7_842339
chr8	1.44E+08	144050382	+	8.935E-43	3.1062E-40	0.457414	hyper	sig	chr8_144050382
chr12	95549124	95549124	+	9.012E-43	3.1317E-40	0.359616	hyper	sig	chr12_95549124
chr7	25858101	25858101	+	9.169E-43	3.185E-40	-0.33681	hypo	sig	chr7_25858101
chr4	4870768	4870768	+	9.191E-43	3.1911E-40	0.351697	hyper	sig	chr4_4870768
chr6	27680245	27680245	+	9.254E-43	3.2116E-40	0.391848	hyper	sig	chr6_27680245
chr1	1.44E+08	143652893	+	9.318E-43	3.2327E-40	0.411683	hyper	sig	chr1_143652893
chr17	35490198	35490198	+	9.363E-43	3.2467E-40	0.41334	hyper	sig	chr17_35490198
chr7	27101142	27101142	+	9.532E-43	3.3041E-40	0.483659	hyper	sig	chr7_27101142
chr8	96159599	96159599	+	9.551E-43	3.3093E-40	0.39041	hyper	sig	chr8_96159599
chr5	1.29E+08	128536471	+	9.59E-43	3.3213E-40	0.366669	hyper	sig	chr5_128536471
chr19	39415212	39415212	+	9.606E-43	3.3253E-40	0.406565	hyper	sig	chr19_39415212
chr6	1.69E+08	168612552	+	9.805E-43	3.3928E-40	-0.42462	hypo	sig	chr6_168612552
chr10	1.33E+08	133241461	+	9.847E-43	3.406E-40	-0.32794	hypo	sig	chr10_133241461
chr7	1.5E+08	150220076	+	1.006E-42	3.4783E-40	0.385677	hyper	sig	chr7_150220076
chr11	94769183	94769183	+	1.008E-42	3.4852E-40	0.341942	hyper	sig	chr11_94769183
chr7	27108522	27108522	+	1.018E-42	3.5162E-40	0.487128	hyper	sig	chr7_27108522
chr3	1.7E+08	169822284	+	1.023E-42	3.5328E-40	-0.57477	hypo	sig	chr3_169822284

chr6	1.66E+08	165686804	+	1.026E-42	3.5401E-40	0.27216	hyper	sig	chr6_165686804
chr11	69449841	69449841	+	1.032E-42	3.56E-40	-0.38315	hypo	sig	chr11_69449841
chr20	56925537	56925537	+	1.044E-42	3.6E-40	0.426735	hyper	sig	chr20_56925537
chr6	1.27E+08	127120054	+	1.059E-42	3.6507E-40	0.252899	hyper	sig	chr6_127120054
chr10	1.12E+08	112376295	+	1.068E-42	3.679E-40	-0.29121	hypo	sig	chr10_112376295
chr17	81277551	81277551	+	1.07E-42	3.6864E-40	0.376504	hyper	sig	chr17_81277551
chr19	42096126	42096126	+	1.098E-42	3.7801E-40	0.507335	hyper	sig	chr19_42096126
chr3	61564902	61564902	+	1.1E-42	3.7843E-40	0.332509	hyper	sig	chr3_61564902
chr13	27928016	27928016	+	1.111E-42	3.8228E-40	0.488844	hyper	sig	chr13_27928016
chr2	2.32E+08	232419669	+	1.117E-42	3.8412E-40	0.417399	hyper	sig	chr2_232419669
chr5	1.34E+08	134114009	+	1.138E-42	3.9096E-40	0.400361	hyper	sig	chr5_134114009
chr11	73263081	73263081	+	1.145E-42	3.9308E-40	-0.38554	hypo	sig	chr11_73263081
chr20	40688554	40688554	+	1.145E-42	3.9308E-40	0.394807	hyper	sig	chr20_40688554
chr11	504873	504873	+	1.159E-42	3.9767E-40	0.346892	hyper	sig	chr11_504873
chr15	45704478	45704478	+	1.221E-42	4.188E-40	0.353734	hyper	sig	chr15_45704478
chr7	771557	771557	+	1.266E-42	4.3414E-40	0.528752	hyper	sig	chr7_771557
chr10	1.33E+08	132545049	+	1.267E-42	4.3444E-40	0.392072	hyper	sig	chr10_132545049
chr3	1.7E+08	169822291	+	1.27E-42	4.3535E-40	-0.56327	hypo	sig	chr3_169822291
chr1	1006974	1006974	+	1.285E-42	4.403E-40	-0.41647	hypo	sig	chr1_1006974
chr14	26598698	26598698	+	1.323E-42	4.5307E-40	0.333116	hyper	sig	chr14_26598698
chr8	96159662	96159662	+	1.337E-42	4.5769E-40	0.368559	hyper	sig	chr8_96159662
chr13	1.02E+08	102401072	+	1.344E-42	4.597E-40	0.313205	hyper	sig	chr13_102401072
chr13	1.12E+08	112068023	+	1.356E-42	4.6346E-40	0.396591	hyper	sig	chr13_112068023
chr16	383492	383492	+	1.356E-42	4.6346E-40	-0.33847	hypo	sig	chr16_383492
chr5	1.81E+08	181100531	+	1.371E-42	4.6843E-40	0.31682	hyper	sig	chr5_181100531
chr15	59993476	59993476	+	1.379E-42	4.7086E-40	0.492389	hyper	sig	chr15_59993476
chr5	42944351	42944351	+	1.379E-42	4.7086E-40	0.432437	hyper	sig	chr5_42944351
chr12	1.22E+08	122059396	+	1.382E-42	4.7169E-40	0.305645	hyper	sig	chr12_122059396
chr7	1.29E+08	128915657	+	1.383E-42	4.7181E-40	0.443662	hyper	sig	chr7_128915657
chr17	80067785	80067785	+	1.401E-42	4.777E-40	-0.40772	hypo	sig	chr17_80067785
chr8	1.43E+08	142563476	+	1.417E-42	4.8303E-40	-0.36723	hypo	sig	chr8_142563476
chr1	2.28E+08	227775478	+	1.421E-42	4.841E-40	0.391765	hyper	sig	chr1_227775478
chr16	85948108	85948108	+	1.426E-42	4.8567E-40	-0.4537	hypo	sig	chr16_85948108
chr3	42265433	42265433	+	1.438E-42	4.8955E-40	0.351085	hyper	sig	chr3_42265433
chr13	27792426	27792426	+	1.496E-42	5.0907E-40	0.287986	hyper	sig	chr13_27792426
chr12	76883358	76883358	+	1.501E-42	5.1047E-40	-0.39369	hypo	sig	chr12_76883358
chr19	49043559	49043559	+	1.529E-42	5.1988E-40	-0.3917	hypo	sig	chr19_49043559
chr20	46513619	46513619	+	1.534E-42	5.2127E-40	0.394451	hyper	sig	chr20_46513619
chr10	1.01E+08	100519696	+	1.542E-42	5.2359E-40	0.537959	hyper	sig	chr10_100519696
chr10	1366366	1366366	+	1.544E-42	5.2414E-40	-0.39041	hypo	sig	chr10_1366366
chr17	1187164	1187164	+	1.551E-42	5.2644E-40	0.362198	hyper	sig	chr17_1187164
chr8	22231988	22231988	+	1.555E-42	5.2755E-40	0.372235	hyper	sig	chr8_22231988
chr17	40451658	40451658	+	1.571E-42	5.3266E-40	0.41109	hyper	sig	chr17_40451658
chr3	1.7E+08	169822683	+	1.586E-42	5.3742E-40	-0.51431	hypo	sig	chr3_169822683
chr7	8441404	8441404	+	1.586E-42	5.3742E-40	0.435187	hyper	sig	chr7_8441404
chr13	1.13E+08	113109896	+	1.593E-42	5.3958E-40	0.521196	hyper	sig	chr13_113109896
chr16	29289352	29289352	+	1.621E-42	5.4884E-40	-0.33541	hypo	sig	chr16_29289352
chr1	37557064	37557064	+	1.627E-42	5.5059E-40	0.380226	hyper	sig	chr1_37557064
chr12	72273494	72273494	+	1.639E-42	5.5448E-40	0.395636	hyper	sig	chr12_72273494
chr7	7179078	7179078	+	1.66E-42	5.6126E-40	-0.37908	hypo	sig	chr7_7179078
chr7	1.5E+08	150220081	+	1.668E-42	5.6386E-40	0.380829	hyper	sig	chr7_150220081
chr3	1.13E+08	113441336	+	1.677E-42	5.6647E-40	0.383271	hyper	sig	chr3_113441336
chr2	1922763	1922763	+	1.685E-42	5.6905E-40	-0.38079	hypo	sig	chr2_1922763
chr16	85947704	85947704	+	1.698E-42	5.733E-40	-0.52103	hypo	sig	chr16_85947704
chr14	1.03E+08	102893803	+	1.708E-42	5.7611E-40	0.347904	hyper	sig	chr14_102893803
chr1	2.28E+08	228371389	+	1.726E-42	5.8226E-40	-0.46227	hypo	sig	chr1_228371389

chr20	58833119	58833119	+	1.74E-42	5.8649E-40	-0.44564	hypo	sig	chr20_58833119
chr13	27928979	27928979	+	1.749E-42	5.894E-40	0.461116	hyper	sig	chr13_27928979
chr7	1312267	1312267	+	1.752E-42	5.9027E-40	-0.37682	hypo	sig	chr7_1312267
chr17	80942781	80942781	+	1.771E-42	5.963E-40	0.441387	hyper	sig	chr17_80942781
chr13	40187994	40187994	+	1.773E-42	5.9688E-40	-0.34211	hypo	sig	chr13_40187994
chr12	1.33E+08	132904806	+	1.805E-42	6.0719E-40	0.366744	hyper	sig	chr12_132904806
chr5	1.41E+08	140786429	+	1.825E-42	6.1373E-40	0.364884	hyper	sig	chr5_140786429
chr7	4767901	4767901	+	1.827E-42	6.1404E-40	0.432271	hyper	sig	chr7_4767901
chr7	27103029	27103029	+	1.827E-42	6.1404E-40	0.478141	hyper	sig	chr7_27103029
chr12	84912616	84912616	+	1.884E-42	6.3272E-40	0.432184	hyper	sig	chr12_84912616
chr12	95549128	95549128	+	1.886E-42	6.3319E-40	0.334839	hyper	sig	chr12_95549128
chr1	2.1E+08	210328277	+	1.907E-42	6.4012E-40	0.428616	hyper	sig	chr1_210328277
chr13	27924850	27924850	+	1.912E-42	6.4152E-40	0.485155	hyper	sig	chr13_27924850
chr16	85947717	85947717	+	1.926E-42	6.4565E-40	-0.50541	hypo	sig	chr16_85947717
chr2	74499883	74499883	+	1.936E-42	6.49E-40	0.357765	hyper	sig	chr2_74499883
chr19	5253986	5253986	+	1.947E-42	6.522E-40	-0.39757	hypo	sig	chr19_5253986
chr6	31728532	31728532	+	2.014E-42	6.7462E-40	0.407318	hyper	sig	chr6_31728532
chr12	3493404	3493404	+	2.053E-42	6.8728E-40	0.397593	hyper	sig	chr12_3493404
chr12	49974401	49974401	+	2.105E-42	7.0444E-40	0.477876	hyper	sig	chr12_49974401
chr13	1.14E+08	114005098	+	2.191E-42	7.327E-40	-0.48951	hypo	sig	chr13_114005098
chr11	1.23E+08	123366163	+	2.22E-42	7.4238E-40	-0.38224	hypo	sig	chr11_123366163
chr13	26760119	26760119	+	2.263E-42	7.5639E-40	0.347967	hyper	sig	chr13_26760119
chr11	1.35E+08	134913580	+	2.272E-42	7.5884E-40	-0.401	hypo	sig	chr11_134913580
chr6	32852252	32852252	+	2.286E-42	7.632E-40	-0.36685	hypo	sig	chr6_32852252
chr16	30095484	30095484	+	2.293E-42	7.6552E-40	0.377753	hyper	sig	chr16_30095484
chr2	7031785	7031785	+	2.303E-42	7.6855E-40	-0.36304	hypo	sig	chr2_7031785
chr1	2E+08	200041160	+	2.317E-42	7.7278E-40	0.361908	hyper	sig	chr1_200041160
chr16	54932654	54932654	+	2.322E-42	7.7403E-40	0.413254	hyper	sig	chr16_54932654
chr12	1.23E+08	123269781	+	2.342E-42	7.8048E-40	0.463294	hyper	sig	chr12_123269781
chr1	47434648	47434648	+	2.346E-42	7.813E-40	0.344376	hyper	sig	chr1_47434648
chr16	54932605	54932605	+	2.355E-42	7.8417E-40	0.436635	hyper	sig	chr16_54932605
chr17	79712152	79712152	+	2.41E-42	8.0227E-40	-0.39745	hypo	sig	chr17_79712152
chr2	1.31E+08	130964734	+	2.427E-42	8.0729E-40	0.358523	hyper	sig	chr2_130964734
chr6	1.65E+08	165309162	+	2.436E-42	8.1018E-40	0.363315	hyper	sig	chr6_165309162
chr16	1266438	1266438	+	2.446E-42	8.1302E-40	-0.38688	hypo	sig	chr16_1266438
chr2	2.32E+08	232388025	+	2.487E-42	8.2633E-40	0.43021	hyper	sig	chr2_232388025
chr11	57647153	57647153	+	2.554E-42	8.4822E-40	0.352394	hyper	sig	chr11_57647153
chr8	1.41E+08	141147065	+	2.56E-42	8.4996E-40	0.366039	hyper	sig	chr8_141147065
chr7	97007420	97007420	+	2.619E-42	8.6906E-40	0.405752	hyper	sig	chr7_97007420
chr9	95447954	95447954	+	2.653E-42	8.8016E-40	0.405389	hyper	sig	chr9_95447954
chr1	1.19E+08	118989524	+	2.663E-42	8.8308E-40	0.378086	hyper	sig	chr1_118989524
chr8	53877118	53877118	+	2.677E-42	8.8736E-40	0.43164	hyper	sig	chr8_53877118
chr4	1.51E+08	150583888	+	2.745E-42	9.0959E-40	0.420531	hyper	sig	chr4_150583888
chr6	1.1E+08	110357753	+	2.761E-42	9.1437E-40	0.374119	hyper	sig	chr6_110357753
chr16	71426432	71426432	+	2.816E-42	9.323E-40	0.342757	hyper	sig	chr16_71426432
chr10	1.01E+08	100519915	+	2.83E-42	9.365E-40	0.398667	hyper	sig	chr10_100519915
chr7	1.57E+08	157297337	+	2.833E-42	9.3715E-40	-0.43108	hypo	sig	chr7_157297337
chr4	1.64E+08	164383321	+	2.846E-42	9.4111E-40	0.342472	hyper	sig	chr4_164383321
chr2	1.24E+08	123826985	+	2.866E-42	9.4735E-40	-0.43069	hypo	sig	chr2_123826985
chr9	1.21E+08	120894903	+	2.869E-42	9.4779E-40	0.43475	hyper	sig	chr9_120894903
chr1	85582142	85582142	+	2.877E-42	9.5008E-40	0.353494	hyper	sig	chr1_85582142
chr20	50729176	50729176	+	3.036E-42	1.0023E-39	-0.44907	hypo	sig	chr20_50729176
chr13	1.13E+08	112638510	+	3.107E-42	1.0253E-39	-0.39744	hypo	sig	chr13_112638510
chr9	1.37E+08	136882467	+	3.162E-42	1.0431E-39	-0.27481	hypo	sig	chr9_136882467
chr12	57619694	57619694	+	3.216E-42	1.0605E-39	-0.31788	hypo	sig	chr12_57619694
chr7	1040920	1040920	+	3.234E-42	1.0658E-39	0.403609	hyper	sig	chr7_1040920

chr7	1.5E+08	150389132	+	3.243E-42	1.0685E-39	0.462897	hyper	sig	chr7_150389132
chr16	1531067	1531067	+	3.257E-42	1.0726E-39	0.404539	hyper	sig	chr16_1531067
chr12	84912588	84912588	+	3.296E-42	1.0852E-39	0.425126	hyper	sig	chr12_84912588
chr8	73370564	73370564	+	3.305E-42	1.0875E-39	0.414935	hyper	sig	chr8_73370564
chr11	2807338	2807338	+	3.335E-42	1.0968E-39	0.392041	hyper	sig	chr11_2807338
chr13	1.12E+08	112104162	+	3.341E-42	1.0984E-39	0.37156	hyper	sig	chr13_112104162
chr15	92596168	92596168	+	3.42E-42	1.1238E-39	-0.40043	hypo	sig	chr15_92596168
chr1	1.47E+08	147078982	+	3.433E-42	1.128E-39	0.381953	hyper	sig	chr1_147078982
chr2	27308256	27308256	+	3.436E-42	1.1285E-39	0.391124	hyper	sig	chr2_27308256
chr11	67646902	67646902	+	3.495E-42	1.1473E-39	-0.41767	hypo	sig	chr11_67646902
chr19	36797501	36797501	+	3.518E-42	1.1542E-39	0.337142	hyper	sig	chr19_36797501
chr18	57439964	57439964	+	3.559E-42	1.1674E-39	0.314123	hyper	sig	chr18_57439964
chr21	33383494	33383494	+	3.85E-42	1.2623E-39	-0.28779	hypo	sig	chr21_33383494
chr6	1.33E+08	133242329	+	3.873E-42	1.2693E-39	0.346558	hyper	sig	chr6_133242329
chr11	94769358	94769358	+	3.894E-42	1.2756E-39	0.303291	hyper	sig	chr11_94769358
chr8	66962163	66962163	+	3.914E-42	1.2818E-39	0.384114	hyper	sig	chr8_66962163
chr5	1.71E+08	171308298	+	3.922E-42	1.2838E-39	0.368721	hyper	sig	chr5_171308298
chr6	98825709	98825709	+	3.948E-42	1.2918E-39	0.35161	hyper	sig	chr6_98825709
chr13	1.13E+08	113453697	+	3.973E-42	1.2994E-39	0.332787	hyper	sig	chr13_113453697
chr5	1.16E+08	116361554	+	4.04E-42	1.3209E-39	0.535166	hyper	sig	chr5_116361554
chr19	36245573	36245573	+	4.245E-42	1.3871E-39	0.364768	hyper	sig	chr19_36245573
chr20	56926021	56926021	+	4.256E-42	1.3903E-39	0.362417	hyper	sig	chr20_56926021
chr10	1.01E+08	101136883	+	4.315E-42	1.4091E-39	0.376764	hyper	sig	chr10_101136883
chr6	1E+08	100464088	+	4.478E-42	1.4618E-39	0.329278	hyper	sig	chr6_100464088
chr10	725659	725659	+	4.481E-42	1.4621E-39	-0.49244	hypo	sig	chr10_725659
chr5	1794306	1794306	+	4.583E-42	1.4947E-39	-0.39973	hypo	sig	chr5_1794306
chr1	2.28E+08	228464718	+	4.637E-42	1.5119E-39	0.322874	hyper	sig	chr1_228464718
chr1	2E+08	200038464	+	4.716E-42	1.5368E-39	0.356368	hyper	sig	chr1_200038464
chr19	22286405	22286405	+	4.736E-42	1.5426E-39	0.394037	hyper	sig	chr19_22286405
chr19	21474776	21474776	+	4.759E-42	1.5497E-39	0.360443	hyper	sig	chr19_21474776
chr1	2.21E+08	220895794	+	4.767E-42	1.5516E-39	0.417939	hyper	sig	chr1_220895794
chr13	77919522	77919522	+	4.776E-42	1.5539E-39	0.344061	hyper	sig	chr13_77919522
chr14	68632403	68632403	+	4.781E-42	1.5549E-39	0.28775	hyper	sig	chr14_68632403
chr17	7179745	7179745	+	4.794E-42	1.5586E-39	-0.375	hypo	sig	chr17_7179745
chr8	1.44E+08	144050442	+	4.95E-42	1.6086E-39	0.462905	hyper	sig	chr8_144050442
chr12	6539619	6539619	+	5.058E-42	1.6425E-39	-0.37977	hypo	sig	chr12_6539619
chr13	83906638	83906638	+	5.057E-42	1.6425E-39	-0.41656	hypo	sig	chr13_83906638
chr8	84182588	84182588	+	5.061E-42	1.6426E-39	0.369501	hyper	sig	chr8_84182588
chr17	81277554	81277554	+	5.069E-42	1.6447E-39	0.385183	hyper	sig	chr17_81277554
chr13	1.01E+08	101416798	+	5.095E-42	1.6524E-39	0.419735	hyper	sig	chr13_101416798
chr19	36797493	36797493	+	5.221E-42	1.6925E-39	0.325267	hyper	sig	chr19_36797493
chr5	1.7E+08	170297696	+	5.291E-42	1.7147E-39	-0.37023	hypo	sig	chr5_170297696
chr1	2.21E+08	220894837	+	5.318E-42	1.7227E-39	0.450489	hyper	sig	chr1_220894837
chr8	1.41E+08	141147027	+	5.339E-42	1.7289E-39	0.363704	hyper	sig	chr8_141147027
chr11	44311108	44311108	+	5.38E-42	1.7413E-39	0.38455	hyper	sig	chr11_44311108
chr7	1124037	1124037	+	5.447E-42	1.7624E-39	0.391818	hyper	sig	chr7_1124037
chr4	4861571	4861571	+	5.455E-42	1.7641E-39	0.317823	hyper	sig	chr4_4861571
chr17	35774237	35774237	+	5.542E-42	1.7918E-39	0.424678	hyper	sig	chr17_35774237
chr13	27796977	27796977	+	5.61E-42	1.8128E-39	0.350066	hyper	sig	chr13_27796977
chr2	1.15E+08	115163036	+	5.682E-42	1.8354E-39	0.352512	hyper	sig	chr2_115163036
chr7	56093218	56093218	+	5.71E-42	1.8437E-39	0.355264	hyper	sig	chr7_56093218
chr12	1.33E+08	132904896	+	5.718E-42	1.8456E-39	0.346965	hyper	sig	chr12_132904896
chr11	65872365	65872365	+	5.814E-42	1.876E-39	0.425596	hyper	sig	chr11_65872365
chr1	1.53E+08	152804906	+	5.87E-42	1.8927E-39	-0.40744	hypo	sig	chr1_152804906
chr4	1.84E+08	183917054	+	5.871E-42	1.8927E-39	-0.37444	hypo	sig	chr4_183917054
chr19	57889126	57889126	+	5.88E-42	1.8948E-39	0.324465	hyper	sig	chr19_57889126

chr12	53930758	53930758	+	5.891E-42	1.8978E-39	0.440554	hyper	sig	chr12_53930758
chr7	1.52E+08	151796561	+	5.921E-42	1.9065E-39	-0.40659	hypo	sig	chr7_151796561
chr10	1.01E+08	101062106	+	5.978E-42	1.9243E-39	-0.50213	hypo	sig	chr10_101062106
chr1	2.37E+08	237043218	+	5.999E-42	1.93E-39	0.38254	hyper	sig	chr1_237043218
chr16	86575530	86575530	+	6.059E-42	1.9486E-39	0.373922	hyper	sig	chr16_86575530
chr4	1082451	1082451	+	6.142E-42	1.9746E-39	-0.33825	hypo	sig	chr4_1082451
chr13	57629492	57629492	+	6.145E-42	1.9749E-39	0.379056	hyper	sig	chr13_57629492
chr4	6693988	6693988	+	6.224E-42	1.9989E-39	-0.41693	hypo	sig	chr4_6693988
chr6	1.66E+08	165686794	+	6.225E-42	1.9989E-39	0.288942	hyper	sig	chr6_165686794
chr7	1.58E+08	157684218	+	6.239E-42	2.0026E-39	0.44673	hyper	sig	chr7_157684218
chr19	45767073	45767073	+	6.245E-42	2.0038E-39	0.383193	hyper	sig	chr19_45767073
chr17	78723484	78723484	+	6.295E-42	2.0191E-39	0.469837	hyper	sig	chr17_78723484
chr2	2.19E+08	219452660	+	6.311E-42	2.0233E-39	0.356202	hyper	sig	chr2_219452660
chr19	1221755	1221755	+	6.373E-42	2.0425E-39	0.474195	hyper	sig	chr19_1221755
chr17	79712161	79712161	+	6.386E-42	2.0456E-39	-0.39555	hypo	sig	chr17_79712161
chr19	1775243	1775243	+	6.396E-42	2.048E-39	0.389568	hyper	sig	chr19_1775243
chr1	47446243	47446243	+	6.403E-42	2.0496E-39	0.406376	hyper	sig	chr1_47446243
chr10	1.24E+08	124010755	+	6.407E-42	2.0499E-39	0.380574	hyper	sig	chr10_124010755
chr7	27106650	27106650	+	6.454E-42	2.0644E-39	0.458944	hyper	sig	chr7_27106650
chr7	5303222	5303222	+	6.494E-42	2.0763E-39	-0.44645	hypo	sig	chr7_5303222
chr10	1.01E+08	101134733	+	6.534E-42	2.0879E-39	0.370054	hyper	sig	chr10_101134733
chr10	1.01E+08	101136891	+	6.536E-42	2.0879E-39	0.388647	hyper	sig	chr10_101136891
chr20	24470848	24470848	+	6.753E-42	2.1566E-39	0.352169	hyper	sig	chr20_24470848
chr10	3287578	3287578	+	6.776E-42	2.163E-39	-0.40572	hypo	sig	chr10_3287578
chr19	39308397	39308397	+	6.805E-42	2.1714E-39	0.442598	hyper	sig	chr19_39308397
chr6	27680278	27680278	+	6.811E-42	2.1726E-39	0.374115	hyper	sig	chr6_27680278
chr1	2E+08	200041142	+	6.818E-42	2.1739E-39	0.356374	hyper	sig	chr1_200041142
chr3	1.43E+08	143121080	+	7.006E-42	2.2329E-39	0.29705	hyper	sig	chr3_143121080
chr16	81645365	81645365	+	7.049E-42	2.2449E-39	0.345515	hyper	sig	chr16_81645365
chr17	80502178	80502178	+	7.049E-42	2.2449E-39	0.325055	hyper	sig	chr17_80502178
chr4	1.53E+08	152935387	+	7.118E-42	2.2658E-39	-0.30286	hypo	sig	chr4_152935387
chr12	1.14E+08	114439258	+	7.241E-42	2.3042E-39	0.345539	hyper	sig	chr12_114439258
chr16	2236614	2236614	+	7.277E-42	2.3147E-39	0.378373	hyper	sig	chr16_2236614
chr7	21540691	21540691	+	7.309E-42	2.3239E-39	-0.38882	hypo	sig	chr7_21540691
chr1	3140145	3140145	+	7.418E-42	2.3578E-39	0.400252	hyper	sig	chr1_3140145
chr13	1.13E+08	113495690	+	7.483E-42	2.3773E-39	0.408712	hyper	sig	chr13_113495690
chr12	1.11E+08	111034159	+	7.547E-42	2.3967E-39	0.403248	hyper	sig	chr12_111034159
chr5	37838369	37838369	+	7.586E-42	2.4082E-39	0.299749	hyper	sig	chr5_37838369
chr8	96159621	96159621	+	7.664E-42	2.4321E-39	0.387872	hyper	sig	chr8_96159621
chr18	36188227	36188227	+	7.743E-42	2.4561E-39	-0.43578	hypo	sig	chr18_36188227
chr19	57351270	57351270	+	7.747E-42	2.4566E-39	0.338265	hyper	sig	chr19_57351270
chr13	37105874	37105874	+	7.752E-42	2.4572E-39	-0.35489	hypo	sig	chr13_37105874
chr7	220165	220165	+	7.84E-42	2.4841E-39	-0.43083	hypo	sig	chr7_220165
chr7	79454219	79454219	+	7.891E-42	2.4993E-39	0.357179	hyper	sig	chr7_79454219
chr6	1.33E+08	133242230	+	7.903E-42	2.5022E-39	0.395781	hyper	sig	chr6_133242230
chr8	71842815	71842815	+	7.912E-42	2.5041E-39	0.365555	hyper	sig	chr8_71842815
chr8	78517583	78517583	+	8.026E-42	2.5391E-39	-0.34765	hypo	sig	chr8_78517583
chr7	1.52E+08	151638104	+	8.092E-42	2.559E-39	0.377188	hyper	sig	chr7_151638104
chr7	5533159	5533159	+	8.263E-42	2.612E-39	-0.40525	hypo	sig	chr7_5533159
chr12	1.17E+08	116559295	+	8.352E-42	2.6391E-39	-0.31353	hypo	sig	chr12_116559295
chr11	65355991	65355991	+	8.376E-42	2.6457E-39	0.418131	hyper	sig	chr11_65355991
chr13	1.12E+08	111974419	+	8.434E-42	2.6618E-39	0.381578	hyper	sig	chr13_111974419
chr2	2.33E+08	233469748	+	8.432E-42	2.6618E-39	0.317535	hyper	sig	chr2_233469748
chr19	48837257	48837257	+	8.538E-42	2.6938E-39	0.398602	hyper	sig	chr19_48837257
chr12	72273458	72273458	+	8.761E-42	2.7629E-39	0.372699	hyper	sig	chr12_72273458
chr11	69012085	69012085	+	8.947E-42	2.8204E-39	0.416993	hyper	sig	chr11_69012085

chr2	1.87E+08	186849333	+	9.135E-42	2.8786E-39	0.338822	hyper	sig	chr2_186849333
chr1	1.51E+08	151326274	+	9.197E-42	2.897E-39	0.367179	hyper	sig	chr1_151326274
chr2	53860107	53860107	+	9.277E-42	2.9211E-39	0.540512	hyper	sig	chr2_53860107
chr8	1.08E+08	108083578	+	9.308E-42	2.9298E-39	0.41307	hyper	sig	chr8_108083578
chr10	60732550	60732550	+	9.389E-42	2.9542E-39	-0.30877	hypo	sig	chr10_60732550
chr19	58350688	58350688	+	9.469E-42	2.978E-39	0.461598	hyper	sig	chr19_58350688
chr8	739970	739970	+	9.551E-42	3.0027E-39	0.385746	hyper	sig	chr8_739970
chr6	1.49E+08	149484859	+	9.623E-42	3.0243E-39	-0.32632	hypo	sig	chr6_149484859
chr6	42727334	42727334	+	9.693E-42	3.0451E-39	0.469958	hyper	sig	chr6_42727334
chr12	1.13E+08	113479631	+	9.706E-42	3.0481E-39	0.377927	hyper	sig	chr12_113479631
chr2	2.41E+08	241049986	+	9.713E-42	3.0489E-39	0.510449	hyper	sig	chr2_241049986
chr1	1.11E+08	111271574	+	9.74E-42	3.0561E-39	0.393506	hyper	sig	chr1_111271574
chr4	1.64E+08	164384162	+	9.767E-42	3.0635E-39	0.358632	hyper	sig	chr4_164384162
chr5	1.41E+08	141387690	+	9.8E-42	3.0726E-39	0.362894	hyper	sig	chr5_141387690
chr2	2.39E+08	239309155	+	9.882E-42	3.0973E-39	0.385439	hyper	sig	chr2_239309155
chr13	1.14E+08	114049204	+	1.001E-41	3.1367E-39	-0.38255	hypo	sig	chr13_114049204
chr16	51156326	51156326	+	1.013E-41	3.1734E-39	0.465047	hyper	sig	chr16_51156326
chr3	198451	198451	+	1.015E-41	3.1785E-39	0.419419	hyper	sig	chr3_198451
chr14	90551492	90551492	+	1.024E-41	3.2035E-39	0.355647	hyper	sig	chr14_90551492
chr1	18632926	18632926	+	1.029E-41	3.2181E-39	0.315012	hyper	sig	chr1_18632926
chr2	1816633	1816633	+	1.037E-41	3.2431E-39	0.324135	hyper	sig	chr2_1816633
chr5	33297823	33297823	+	1.046E-41	3.27E-39	-0.36877	hypo	sig	chr5_33297823
chr1	44638259	44638259	+	1.051E-41	3.2833E-39	0.349572	hyper	sig	chr1_44638259
chr12	54000332	54000332	+	1.053E-41	3.289E-39	0.325951	hyper	sig	chr12_54000332
chr5	1.42E+08	142014137	+	1.061E-41	3.3115E-39	-0.43902	hypo	sig	chr5_142014137
chr9	1.23E+08	123339029	+	1.074E-41	3.3517E-39	-0.46377	hypo	sig	chr9_123339029
chr2	1.2E+08	120466271	+	1.076E-41	3.3571E-39	-0.37379	hypo	sig	chr2_120466271
chr6	32218387	32218387	+	1.084E-41	3.381E-39	-0.35393	hypo	sig	chr6_32218387
chr13	29435819	29435819	+	1.088E-41	3.3896E-39	0.381594	hyper	sig	chr13_29435819
chr19	21474783	21474783	+	1.087E-41	3.3896E-39	0.379242	hyper	sig	chr19_21474783
chr8	88326876	88326876	+	1.09E-41	3.3938E-39	0.351282	hyper	sig	chr8_88326876
chr19	4634863	4634863	+	1.091E-41	3.3986E-39	-0.4204	hypo	sig	chr19_4634863
chr1	2.21E+08	220895536	+	1.093E-41	3.4029E-39	0.450386	hyper	sig	chr1_220895536
chr1	2.26E+08	226128139	+	1.099E-41	3.4206E-39	-0.36641	hypo	sig	chr1_226128139
chr4	1.51E+08	150583905	+	1.12E-41	3.4835E-39	0.413087	hyper	sig	chr4_150583905
chr12	63151517	63151517	+	1.128E-41	3.507E-39	0.345104	hyper	sig	chr12_63151517
chr12	89350335	89350335	+	1.129E-41	3.5072E-39	-0.38056	hypo	sig	chr12_89350335
chr1	1.13E+08	112850700	+	1.15E-41	3.5725E-39	-0.34542	hypo	sig	chr1_112850700
chr10	1.12E+08	112376315	+	1.165E-41	3.6163E-39	-0.27071	hypo	sig	chr10_112376315
chr7	1.51E+08	151408974	+	1.179E-41	3.6595E-39	-0.3125	hypo	sig	chr7_151408974
chr22	32193500	32193500	+	1.183E-41	3.6696E-39	-0.37895	hypo	sig	chr22_32193500
chr2	2.32E+08	232388060	+	1.196E-41	3.7107E-39	0.472875	hyper	sig	chr2_232388060
chr1	1.59E+08	159188662	+	1.206E-41	3.738E-39	0.347697	hyper	sig	chr1_159188662
chr6	20239182	20239182	+	1.217E-41	3.7726E-39	-0.56042	hypo	sig	chr6_20239182
chr12	1.22E+08	121767739	+	1.24E-41	3.8426E-39	0.382423	hyper	sig	chr12_121767739
chr11	2383184	2383184	+	1.242E-41	3.8451E-39	0.435153	hyper	sig	chr11_2383184
chr8	1.38E+08	138496553	+	1.248E-41	3.863E-39	0.431275	hyper	sig	chr8_138496553
chr1	2.44E+08	243917670	+	1.255E-41	3.8841E-39	0.403312	hyper	sig	chr1_243917670
chr19	53521580	53521580	+	1.257E-41	3.8873E-39	0.37327	hyper	sig	chr19_53521580
chr1	1.44E+08	143905364	+	1.258E-41	3.8908E-39	0.36998	hyper	sig	chr1_143905364
chr8	1.44E+08	143599358	+	1.285E-41	3.9721E-39	0.44439	hyper	sig	chr8_143599358
chr6	7344295	7344295	+	1.31E-41	4.048E-39	-0.5083	hypo	sig	chr6_7344295
chr5	16179003	16179003	+	1.312E-41	4.0537E-39	0.351905	hyper	sig	chr5_16179003
chr8	1.28E+08	127740783	+	1.313E-41	4.0552E-39	-0.35376	hypo	sig	chr8_127740783
chr19	36797441	36797441	+	1.321E-41	4.0787E-39	0.358858	hyper	sig	chr19_36797441
chr8	38318087	38318087	+	1.324E-41	4.0864E-39	0.308196	hyper	sig	chr8_38318087

chr11	20601713	20601713	+	1.344E-41	4.1443E-39	0.393886	hyper	sig	chr11_20601713
chr16	5236491	5236491	+	1.391E-41	4.2897E-39	-0.40413	hypo	sig	chr16_5236491
chr15	39582632	39582632	+	1.394E-41	4.2947E-39	0.385116	hyper	sig	chr15_39582632
chr5	1.41E+08	141387683	+	1.394E-41	4.2947E-39	0.357576	hyper	sig	chr5_141387683
chr6	1.1E+08	110357704	+	1.407E-41	4.3314E-39	0.404623	hyper	sig	chr6_110357704
chr16	1211669	1211669	+	1.413E-41	4.3503E-39	-0.43501	hypo	sig	chr16_1211669
chr14	36504018	36504018	+	1.422E-41	4.3751E-39	0.348242	hyper	sig	chr14_36504018
chr16	85947689	85947689	+	1.428E-41	4.3924E-39	-0.52763	hypo	sig	chr16_85947689
chr13	32261825	32261825	+	1.43E-41	4.3966E-39	0.372092	hyper	sig	chr13_32261825
chr7	1.57E+08	157297321	+	1.438E-41	4.4212E-39	-0.42893	hypo	sig	chr7_157297321
chr14	26598911	26598911	+	1.439E-41	4.4212E-39	0.327939	hyper	sig	chr14_26598911
chr17	75273073	75273073	+	1.443E-41	4.4307E-39	0.283085	hyper	sig	chr17_75273073
chr1	92480560	92480560	+	1.444E-41	4.4332E-39	0.490306	hyper	sig	chr1_92480560
chr12	64825612	64825612	+	1.456E-41	4.469E-39	0.322105	hyper	sig	chr12_64825612
chr6	1.6E+08	160259140	+	1.486E-41	4.5587E-39	0.360925	hyper	sig	chr6_160259140
chr1	16520739	16520739	+	1.508E-41	4.6241E-39	0.369841	hyper	sig	chr1_16520739
chr6	22294500	22294500	+	1.513E-41	4.637E-39	0.343085	hyper	sig	chr6_22294500
chr19	2093941	2093941	+	1.533E-41	4.6971E-39	0.432684	hyper	sig	chr19_2093941
chr20	25082191	25082191	+	1.539E-41	4.7137E-39	0.451297	hyper	sig	chr20_25082191
chr8	56445713	56445713	+	1.568E-41	4.8026E-39	0.370536	hyper	sig	chr8_56445713
chr16	8712820	8712820	+	1.599E-41	4.8937E-39	0.346125	hyper	sig	chr16_8712820
chr3	1.43E+08	143121098	+	1.6E-41	4.8951E-39	0.313362	hyper	sig	chr3_143121098
chr8	71842693	71842693	+	1.614E-41	4.9373E-39	0.388142	hyper	sig	chr8_71842693
chr7	5302757	5302757	+	1.623E-41	4.9629E-39	-0.53669	hypo	sig	chr7_5302757
chr17	50197963	50197963	+	1.628E-41	4.9765E-39	-0.33255	hypo	sig	chr17_50197963
chr6	29558784	29558784	+	1.63E-41	4.9798E-39	-0.3618	hypo	sig	chr6_29558784
chr13	1.02E+08	101917460	+	1.643E-41	5.0186E-39	0.349305	hyper	sig	chr13_101917460
chr14	51094046	51094046	+	1.661E-41	5.071E-39	0.419189	hyper	sig	chr14_51094046
chr2	2.19E+08	219057640	+	1.669E-41	5.0922E-39	0.267854	hyper	sig	chr2_219057640
chr1	9275795	9275795	+	1.687E-41	5.1436E-39	-0.36198	hypo	sig	chr1_9275795
chr19	12156961	12156961	+	1.687E-41	5.1436E-39	0.245055	hyper	sig	chr19_12156961
chr6	30172428	30172428	+	1.702E-41	5.1886E-39	0.374881	hyper	sig	chr6_30172428
chr13	1.02E+08	101919911	+	1.705E-41	5.1954E-39	0.399489	hyper	sig	chr13_101919911
chr10	55630095	55630095	+	1.706E-41	5.1956E-39	0.365885	hyper	sig	chr10_55630095
chr9	1.29E+08	129429203	+	1.716E-41	5.224E-39	-0.40271	hypo	sig	chr9_129429203
chr2	2.32E+08	232387987	+	1.744E-41	5.3078E-39	0.464949	hyper	sig	chr2_232387987
chr19	19529161	19529161	+	1.752E-41	5.3308E-39	0.419705	hyper	sig	chr19_19529161
chr1	1.48E+08	148310350	+	1.794E-41	5.4552E-39	0.40295	hyper	sig	chr1_148310350
chr2	48568818	48568818	+	1.8E-41	5.4734E-39	-0.46413	hypo	sig	chr2_48568818
chr8	64798280	64798280	+	1.818E-41	5.5238E-39	0.379756	hyper	sig	chr8_64798280
chr20	52104729	52104729	+	1.832E-41	5.5652E-39	0.353834	hyper	sig	chr20_52104729
chr5	1.6E+08	160316196	+	1.835E-41	5.5738E-39	-0.27003	hypo	sig	chr5_160316196
chr1	2.48E+08	247534884	+	1.85E-41	5.6157E-39	-0.4104	hypo	sig	chr1_247534884
chr1	2.05E+08	205449220	+	1.868E-41	5.667E-39	-0.39068	hypo	sig	chr1_205449220
chr18	74499089	74499089	+	1.89E-41	5.7319E-39	-0.33074	hypo	sig	chr18_74499089
chr11	1.12E+08	111540304	+	1.914E-41	5.803E-39	0.426515	hyper	sig	chr11_111540304
chr17	42686060	42686060	+	1.92E-41	5.8213E-39	0.376819	hyper	sig	chr17_42686060
chr1	2.04E+08	203519734	+	1.931E-41	5.8495E-39	-0.43436	hypo	sig	chr1_203519734
chr5	1.41E+08	141389402	+	1.949E-41	5.904E-39	0.392315	hyper	sig	chr5_141389402
chr7	90118924	90118924	+	1.965E-41	5.9489E-39	0.290334	hyper	sig	chr7_90118924
chr4	8191509	8191509	+	1.966E-41	5.9515E-39	-0.45347	hypo	sig	chr4_8191509
chr18	12253860	12253860	+	1.968E-41	5.9551E-39	0.352252	hyper	sig	chr18_12253860
chr6	1.66E+08	165847564	+	1.989E-41	6.0163E-39	-0.32577	hypo	sig	chr6_165847564
chr11	45355428	45355428	+	2.016E-41	6.0931E-39	0.299068	hyper	sig	chr11_45355428
chr3	69084711	69084711	+	2.016E-41	6.0931E-39	-0.25945	hypo	sig	chr3_69084711
chr13	1.01E+08	101416877	+	2.022E-41	6.1076E-39	0.339443	hyper	sig	chr13_101416877

chr1	2.08E+08	207669801	+	2.026E-41	6.1171E-39	0.357416	hyper	sig	chr1_207669801
chr3	1.82E+08	181696431	+	2.028E-41	6.122E-39	0.31967	hyper	sig	chr3_181696431
chr16	3690813	3690813	+	2.06E-41	6.216E-39	0.375544	hyper	sig	chr16_3690813
chr7	27124306	27124306	+	2.073E-41	6.2539E-39	0.390601	hyper	sig	chr7_27124306
chr2	2.19E+08	219057619	+	2.075E-41	6.2578E-39	0.333583	hyper	sig	chr2_219057619
chr7	38656356	38656356	+	2.103E-41	6.3384E-39	-0.40742	hypo	sig	chr7_38656356
chr19	38264067	38264067	+	2.112E-41	6.3626E-39	-0.30914	hypo	sig	chr19_38264067
chr1	50417692	50417692	+	2.126E-41	6.4021E-39	0.348701	hyper	sig	chr1_50417692
chr2	5485089	5485089	+	2.131E-41	6.4165E-39	-0.43345	hypo	sig	chr2_5485089
chr7	97022848	97022848	+	2.137E-41	6.4315E-39	0.347082	hyper	sig	chr7_97022848
chr10	1.32E+08	131937955	+	2.161E-41	6.5006E-39	0.25985	hyper	sig	chr10_131937955
chr13	1.13E+08	113110252	+	2.162E-41	6.5037E-39	0.580855	hyper	sig	chr13_113110252
chr7	1.29E+08	128783488	+	2.231E-41	6.7077E-39	0.429743	hyper	sig	chr7_128783488
chr13	77919536	77919536	+	2.285E-41	6.8671E-39	0.334268	hyper	sig	chr13_77919536
chr12	1.2E+08	120100871	+	2.309E-41	6.9345E-39	0.431391	hyper	sig	chr12_120100871
chr8	68331705	68331705	+	2.309E-41	6.9345E-39	0.390987	hyper	sig	chr8_68331705
chr17	48726999	48726999	+	2.346E-41	7.0436E-39	0.334827	hyper	sig	chr17_48726999
chr5	1.46E+08	146342600	+	2.39E-41	7.1726E-39	0.331303	hyper	sig	chr5_146342600
chr3	13019483	13019483	+	2.394E-41	7.1828E-39	0.378414	hyper	sig	chr3_13019483
chr13	27928997	27928997	+	2.422E-41	7.2615E-39	0.502224	hyper	sig	chr13_27928997
chr17	81277540	81277540	+	2.5E-41	7.4931E-39	0.392773	hyper	sig	chr17_81277540
chr20	13216752	13216752	+	2.521E-41	7.5553E-39	-0.29005	hypo	sig	chr20_13216752
chr4	1.64E+08	164383188	+	2.524E-41	7.5613E-39	0.371083	hyper	sig	chr4_164383188
chr4	1.17E+08	116703593	+	2.556E-41	7.6527E-39	-0.40619	hypo	sig	chr4_116703593
chr10	491238	491238	+	2.571E-41	7.6967E-39	0.365926	hyper	sig	chr10_491238
chr8	1.23E+08	123182744	+	2.576E-41	7.7062E-39	-0.38305	hypo	sig	chr8_123182744
chr10	1.01E+08	100520034	+	2.602E-41	7.7828E-39	0.382063	hyper	sig	chr10_100520034
chr4	1.51E+08	150580524	+	2.63E-41	7.8634E-39	0.367937	hyper	sig	chr4_150580524
chr20	56004739	56004739	+	2.685E-41	8.0235E-39	0.441684	hyper	sig	chr20_56004739
chr8	72538303	72538303	+	2.695E-41	8.0504E-39	0.496254	hyper	sig	chr8_72538303
chr7	30975099	30975099	+	2.696E-41	8.0518E-39	-0.3173	hypo	sig	chr7_30975099
chr2	44928664	44928664	+	2.712E-41	8.0969E-39	0.327381	hyper	sig	chr2_44928664
chr7	4767929	4767929	+	2.726E-41	8.1363E-39	0.384321	hyper	sig	chr7_4767929
chr19	57888580	57888580	+	2.734E-41	8.1549E-39	0.353367	hyper	sig	chr19_57888580
chr19	58204004	58204004	+	2.735E-41	8.1549E-39	0.444676	hyper	sig	chr19_58204004
chr1	40312622	40312622	+	2.77E-41	8.2586E-39	-0.40209	hypo	sig	chr1_40312622
chr12	63823001	63823001	+	2.785E-41	8.2959E-39	-0.40066	hypo	sig	chr12_63823001
chr2	4003129	4003129	+	2.785E-41	8.2959E-39	-0.39428	hypo	sig	chr2_4003129
chr12	95549110	95549110	+	2.791E-41	8.3118E-39	0.361764	hyper	sig	chr12_95549110
chr20	25083160	25083160	+	2.797E-41	8.3263E-39	0.435729	hyper	sig	chr20_25083160
chr5	61335223	61335223	+	2.799E-41	8.3299E-39	0.430809	hyper	sig	chr5_61335223
chr8	64798278	64798278	+	2.848E-41	8.472E-39	0.384783	hyper	sig	chr8_64798278
chr11	67646856	67646856	+	2.851E-41	8.4764E-39	-0.46075	hypo	sig	chr11_67646856
chr13	93228348	93228348	+	2.86E-41	8.5022E-39	0.439915	hyper	sig	chr13_93228348
chr4	61201708	61201708	+	2.864E-41	8.5108E-39	0.351079	hyper	sig	chr4_61201708
chr11	269353	269353	+	2.881E-41	8.5562E-39	-0.37282	hypo	sig	chr11_269353
chr10	49614656	49614656	+	2.951E-41	8.7617E-39	0.345375	hyper	sig	chr10_49614656
chr1	1.53E+08	152699231	+	2.983E-41	8.8545E-39	-0.43842	hypo	sig	chr1_152699231
chr6	1.61E+08	160767518	+	3.014E-41	8.9414E-39	0.325552	hyper	sig	chr6_160767518
chr6	50716030	50716030	+	3.019E-41	8.9547E-39	0.365648	hyper	sig	chr6_50716030
chr16	86151575	86151575	+	3.027E-41	8.975E-39	0.384221	hyper	sig	chr16_86151575
chr20	885385	885385	+	3.029E-41	8.9769E-39	0.401769	hyper	sig	chr20_885385
chr15	69462319	69462319	+	3.036E-41	8.9938E-39	-0.33467	hypo	sig	chr15_69462319
chr8	1.43E+08	142770688	+	3.059E-41	9.0602E-39	-0.5072	hypo	sig	chr8_142770688
chr13	36674239	36674239	+	3.105E-41	9.1933E-39	0.337949	hyper	sig	chr13_36674239
chr13	83906621	83906621	+	3.14E-41	9.2922E-39	-0.40497	hypo	sig	chr13_83906621

chr14	91352328	91352328	+	3.151E-41	9.3219E-39	0.387188	hyper	sig	chr14_91352328
chr11	75564245	75564245	+	3.177E-41	9.3944E-39	0.377316	hyper	sig	chr11_75564245
chr2	74418588	74418588	+	3.199E-41	9.4577E-39	0.338508	hyper	sig	chr2_74418588
chr11	60757102	60757102	+	3.253E-41	9.6107E-39	-0.36767	hypo	sig	chr11_60757102
chr8	1.41E+08	140609333	+	3.254E-41	9.6107E-39	0.362844	hyper	sig	chr8_140609333
chr15	85413691	85413691	+	3.291E-41	9.7188E-39	-0.27648	hypo	sig	chr15_85413691
chr6	1.6E+08	160259066	+	3.295E-41	9.7264E-39	0.356527	hyper	sig	chr6_160259066
chr7	50308897	50308897	+	3.337E-41	9.8473E-39	-0.39736	hypo	sig	chr7_50308897
chr13	36674129	36674129	+	3.379E-41	9.9655E-39	0.347961	hyper	sig	chr13_36674129
chr17	77409808	77409808	+	3.403E-41	1.0033E-38	0.453395	hyper	sig	chr17_77409808
chr7	1E+08	100177898	+	3.426E-41	1.0097E-38	0.382651	hyper	sig	chr7_100177898
chr2	63055567	63055567	+	3.465E-41	1.0208E-38	0.418012	hyper	sig	chr2_63055567
chr7	95431035	95431035	+	3.47E-41	1.0222E-38	-0.35879	hypo	sig	chr7_95431035
chr15	28107398	28107398	+	3.515E-41	1.035E-38	0.336554	hyper	sig	chr15_28107398
chr7	97022206	97022206	+	3.532E-41	1.0396E-38	0.424703	hyper	sig	chr7_97022206
chr9	1.21E+08	120894497	+	3.558E-41	1.0469E-38	0.515786	hyper	sig	chr9_120894497
chr13	45714397	45714397	+	3.627E-41	1.0668E-38	-0.43831	hypo	sig	chr13_45714397
chr6	31728556	31728556	+	3.63E-41	1.0672E-38	0.396056	hyper	sig	chr6_31728556
chr13	77918965	77918965	+	3.651E-41	1.073E-38	0.323833	hyper	sig	chr13_77918965
chr17	48552297	48552297	+	3.69E-41	1.0841E-38	0.444173	hyper	sig	chr17_48552297
chr13	36674107	36674107	+	3.727E-41	1.0947E-38	0.363617	hyper	sig	chr13_36674107
chr10	93065814	93065814	+	3.76E-41	1.1038E-38	0.409397	hyper	sig	chr10_93065814
chr7	1.51E+08	151403934	+	3.82E-41	1.121E-38	-0.36548	hypo	sig	chr7_151403934
chr4	6693971	6693971	+	3.859E-41	1.1321E-38	-0.38677	hypo	sig	chr4_6693971
chr12	1.33E+08	132904804	+	3.872E-41	1.1355E-38	0.361742	hyper	sig	chr12_132904804
chr17	4220918	4220918	+	3.965E-41	1.162E-38	0.42032	hyper	sig	chr17_4220918
chr6	29792204	29792204	+	3.965E-41	1.162E-38	0.367386	hyper	sig	chr6_29792204
chr5	1.41E+08	141245450	+	3.972E-41	1.1637E-38	0.366695	hyper	sig	chr5_141245450
chr1	45623373	45623373	+	3.981E-41	1.1657E-38	0.370288	hyper	sig	chr1_45623373
chr8	1.45E+08	144713179	+	3.985E-41	1.1666E-38	0.467025	hyper	sig	chr8_144713179
chr7	8441188	8441188	+	4.031E-41	1.1795E-38	0.357577	hyper	sig	chr7_8441188
chr11	69818953	69818953	+	4.093E-41	1.1973E-38	0.361866	hyper	sig	chr11_69818953
chr13	93228359	93228359	+	4.098E-41	1.1983E-38	0.452049	hyper	sig	chr13_93228359
chr8	53878591	53878591	+	4.133E-41	1.2081E-38	0.382392	hyper	sig	chr8_53878591
chr13	1.12E+08	111974132	+	4.159E-41	1.2153E-38	0.369874	hyper	sig	chr13_111974132
chr5	1.41E+08	141393049	+	4.202E-41	1.2273E-38	0.342821	hyper	sig	chr5_141393049
chr5	1794615	1794615	+	4.279E-41	1.2495E-38	-0.44166	hypo	sig	chr5_1794615
chr7	27103063	27103063	+	4.295E-41	1.2536E-38	0.418511	hyper	sig	chr7_27103063
chr12	1.11E+08	111099253	+	4.306E-41	1.2564E-38	-0.36833	hypo	sig	chr12_111099253
chr6	28634849	28634849	+	4.333E-41	1.2637E-38	0.339322	hyper	sig	chr6_28634849
chr4	1.7E+08	170091327	+	4.376E-41	1.2759E-38	-0.51521	hypo	sig	chr4_170091327
chr11	8671281	8671281	+	4.401E-41	1.2828E-38	0.372857	hyper	sig	chr11_8671281
chr7	74285034	74285034	+	4.43E-41	1.2908E-38	-0.3615	hypo	sig	chr7_74285034
chr12	1.14E+08	114440740	+	4.433E-41	1.2911E-38	0.348781	hyper	sig	chr12_114440740
chr12	1.3E+08	130042242	+	4.505E-41	1.3117E-38	0.39944	hyper	sig	chr12_130042242
chr13	36154870	36154870	+	4.511E-41	1.3129E-38	0.41545	hyper	sig	chr13_36154870
chr16	48813031	48813031	+	4.648E-41	1.3524E-38	-0.39885	hypo	sig	chr16_48813031
chr5	1.41E+08	141484961	+	4.659E-41	1.3551E-38	0.330554	hyper	sig	chr5_141484961
chr3	1.37E+08	136818327	+	4.743E-41	1.379E-38	-0.38661	hypo	sig	chr3_136818327
chr7	1693670	1693670	+	4.759E-41	1.383E-38	-0.40119	hypo	sig	chr7_1693670
chr12	47086213	47086213	+	4.773E-41	1.3867E-38	-0.39623	hypo	sig	chr12_47086213
chr5	11384597	11384597	+	4.781E-41	1.3885E-38	0.331405	hyper	sig	chr5_11384597
chr3	1.7E+08	169822670	+	4.792E-41	1.3913E-38	-0.52892	hypo	sig	chr3_169822670
chr6	36131346	36131346	+	4.811E-41	1.3963E-38	-0.33056	hypo	sig	chr6_36131346
chr7	1.51E+08	151403956	+	4.816E-41	1.3971E-38	-0.36514	hypo	sig	chr7_151403956
chr10	31757662	31757662	+	4.829E-41	1.4005E-38	0.38231	hyper	sig	chr10_31757662

chr2	2.33E+08	233469744	+	4.866E-41	1.4107E-38	0.299764	hyper	sig	chr2_233469744
chr9	1.35E+08	134643394	+	5.037E-41	1.4598E-38	0.425016	hyper	sig	chr9_134643394
chr10	1.04E+08	104334020	+	5.128E-41	1.4856E-38	0.339633	hyper	sig	chr10_104334020
chr11	31804290	31804290	+	5.142E-41	1.489E-38	0.358597	hyper	sig	chr11_31804290
chr19	30262478	30262478	+	5.149E-41	1.4906E-38	-0.41083	hypo	sig	chr19_30262478
chr3	44022075	44022075	+	5.17E-41	1.496E-38	0.298609	hyper	sig	chr3_44022075
chr12	1.31E+08	131496680	+	5.19E-41	1.5015E-38	-0.36289	hypo	sig	chr12_131496680
chr20	56925997	56925997	+	5.344E-41	1.5454E-38	0.378964	hyper	sig	chr20_56925997
chr4	1.64E+08	164383194	+	5.398E-41	1.5606E-38	0.389874	hyper	sig	chr4_164383194
chr5	1.59E+08	159104539	+	5.465E-41	1.5792E-38	0.521875	hyper	sig	chr5_159104539
chr7	27101423	27101423	+	5.502E-41	1.5892E-38	0.41432	hyper	sig	chr7_27101423
chr6	70280565	70280565	+	5.532E-41	1.5975E-38	-0.39486	hypo	sig	chr6_70280565
chr2	37669391	37669391	+	5.59E-41	1.6137E-38	0.359077	hyper	sig	chr2_37669391
chr3	1.8E+08	180324938	+	5.657E-41	1.6324E-38	-0.38395	hypo	sig	chr3_180324938
chr1	2.08E+08	207645561	+	5.665E-41	1.6341E-38	0.397155	hyper	sig	chr1_207645561
chr8	42499264	42499264	+	5.81E-41	1.6752E-38	0.393093	hyper	sig	chr8_42499264
chr13	23392094	23392094	+	5.844E-41	1.6845E-38	-0.46861	hypo	sig	chr13_23392094
chr13	93228566	93228566	+	5.915E-41	1.7044E-38	0.370307	hyper	sig	chr13_93228566
chr16	85947767	85947767	+	5.918E-41	1.7047E-38	-0.52713	hypo	sig	chr16_85947767
chr8	1.41E+08	140609318	+	5.96E-41	1.7162E-38	0.425003	hyper	sig	chr8_140609318
chr1	1.13E+08	112850749	+	5.992E-41	1.7247E-38	-0.36088	hypo	sig	chr1_112850749
chr13	27923264	27923264	+	5.998E-41	1.726E-38	0.425094	hyper	sig	chr13_27923264
chr11	94769309	94769309	+	6.026E-41	1.7332E-38	0.290726	hyper	sig	chr11_94769309
chr1	15758274	15758274	+	6.061E-41	1.7429E-38	0.321893	hyper	sig	chr1_15758274
chr8	66962131	66962131	+	6.098E-41	1.7528E-38	0.368927	hyper	sig	chr8_66962131
chr11	1.29E+08	128696492	+	6.242E-41	1.7936E-38	-0.36756	hypo	sig	chr11_128696492
chr3	1.6E+08	160039172	+	6.268E-41	1.8003E-38	0.33479	hyper	sig	chr3_160039172
chr3	1.25E+08	125357596	+	6.297E-41	1.808E-38	0.373071	hyper	sig	chr3_125357596
chr13	1.1E+08	110308159	+	6.39E-41	1.8334E-38	0.329519	hyper	sig	chr13_110308159
chr17	57881439	57881439	+	6.389E-41	1.8334E-38	0.411815	hyper	sig	chr17_57881439
chr15	70475361	70475361	+	6.46E-41	1.8529E-38	-0.39072	hypo	sig	chr15_70475361
chr7	78023095	78023095	+	6.464E-41	1.8533E-38	-0.34865	hypo	sig	chr7_78023095
chr19	36797487	36797487	+	6.505E-41	1.8646E-38	0.351863	hyper	sig	chr19_36797487
chr9	1045659	1045659	+	6.583E-41	1.8863E-38	0.342012	hyper	sig	chr9_1045659
chr5	33936215	33936215	+	6.601E-41	1.8906E-38	0.334205	hyper	sig	chr5_33936215
chr7	1.52E+08	152136848	+	6.946E-41	1.9889E-38	0.358594	hyper	sig	chr7_152136848
chr5	33936225	33936225	+	6.989E-41	2.0004E-38	0.34287	hyper	sig	chr5_33936225
chr19	48837259	48837259	+	7.058E-41	2.0193E-38	0.391806	hyper	sig	chr19_48837259
chr10	1.02E+08	101774732	+	7.18E-41	2.0537E-38	0.3857	hyper	sig	chr10_101774732
chr11	1.26E+08	126163046	+	7.22E-41	2.0636E-38	0.452082	hyper	sig	chr11_126163046
chr6	1.58E+08	158043805	+	7.218E-41	2.0636E-38	0.270583	hyper	sig	chr6_158043805
chr5	1.71E+08	171308280	+	7.482E-41	2.1376E-38	0.353349	hyper	sig	chr5_171308280
chr8	1.41E+08	141358232	+	7.49E-41	2.1392E-38	0.299993	hyper	sig	chr8_141358232
chr19	48480350	48480350	+	7.646E-41	2.1832E-38	0.352388	hyper	sig	chr19_48480350
chr1	1.44E+08	143905741	+	8.038E-41	2.2941E-38	0.325019	hyper	sig	chr1_143905741
chr19	3398924	3398924	+	8.106E-41	2.3127E-38	0.421768	hyper	sig	chr19_3398924
chr5	1.46E+08	146342946	+	8.11E-41	2.3132E-38	0.407722	hyper	sig	chr5_146342946
chr16	843259	843259	+	8.162E-41	2.3272E-38	-0.40124	hypo	sig	chr16_843259
chr7	1.5E+08	150220059	+	8.211E-41	2.3403E-38	0.411835	hyper	sig	chr7_150220059
chr6	99602925	99602925	+	8.226E-41	2.3436E-38	0.308446	hyper	sig	chr6_99602925
chr10	97713231	97713231	+	8.237E-41	2.346E-38	0.394049	hyper	sig	chr10_97713231
chr5	1.41E+08	140672485	+	8.297E-41	2.3624E-38	0.402374	hyper	sig	chr5_140672485
chr1	2.33E+08	232869120	+	8.464E-41	2.409E-38	-0.37685	hypo	sig	chr1_232869120
chr21	34884019	34884019	+	8.62E-41	2.4526E-38	-0.36235	hypo	sig	chr21_34884019
chr3	49902757	49902757	+	8.628E-41	2.4539E-38	-0.34442	hypo	sig	chr3_49902757
chr13	36430803	36430803	+	8.656E-41	2.4611E-38	0.34102	hyper	sig	chr13_36430803

chr11	8018916	8018916	+	8.659E-41	2.4611E-38	0.321822	hyper	sig	chr11_8018916
chr17	1187032	1187032	+	8.698E-41	2.4714E-38	0.38083	hyper	sig	chr17_1187032
chr3	62368856	62368856	+	8.748E-41	2.4846E-38	0.359549	hyper	sig	chr3_62368856
chr19	846252	846252	+	8.946E-41	2.54E-38	-0.43891	hypo	sig	chr19_846252
chr22	45870464	45870464	+	8.995E-41	2.5529E-38	-0.42825	hypo	sig	chr22_45870464
chr9	1.31E+08	130839851	+	9.011E-41	2.5565E-38	0.438142	hyper	sig	chr9_130839851
chr13	1.14E+08	114131208	+	9.275E-41	2.6307E-38	0.36696	hyper	sig	chr13_114131208
chr13	27928324	27928324	+	9.318E-41	2.6418E-38	0.55317	hyper	sig	chr13_27928324
chr7	97022225	97022225	+	9.327E-41	2.6435E-38	0.399133	hyper	sig	chr7_97022225
chr2	2.19E+08	219421463	+	9.331E-41	2.6436E-38	0.407137	hyper	sig	chr2_219421463
chr1	2305027	2305027	+	9.345E-41	2.6468E-38	0.376373	hyper	sig	chr1_2305027
chr3	61564874	61564874	+	9.365E-41	2.6515E-38	0.378041	hyper	sig	chr3_61564874
chr16	75218428	75218428	+	9.386E-41	2.6564E-38	0.369803	hyper	sig	chr16_75218428
chr2	1.19E+08	118857922	+	9.503E-41	2.6888E-38	0.380145	hyper	sig	chr2_118857922
chr9	1.36E+08	136361390	+	9.528E-41	2.6948E-38	0.457212	hyper	sig	chr9_136361390
chr19	5294162	5294162	+	9.539E-41	2.6971E-38	0.379093	hyper	sig	chr19_5294162
chr11	1.3E+08	129973977	+	9.545E-41	2.6977E-38	0.386297	hyper	sig	chr11_129973977
chr13	1.01E+08	101416662	+	9.601E-41	2.7125E-38	0.39727	hyper	sig	chr13_101416662
chr6	50707886	50707886	+	9.686E-41	2.7358E-38	0.375642	hyper	sig	chr6_50707886
chr1	90834833	90834833	+	9.863E-41	2.7847E-38	0.348839	hyper	sig	chr1_90834833
chr7	1742577	1742577	+	9.913E-41	2.7978E-38	-0.49497	hypo	sig	chr7_1742577
chr5	1.36E+08	136365481	+	9.928E-41	2.8012E-38	0.360788	hyper	sig	chr5_136365481
chr7	71134604	71134604	+	9.972E-41	2.8126E-38	-0.42013	hypo	sig	chr7_71134604
chr3	1.86E+08	186360854	+	1.007E-40	2.8381E-38	0.386868	hyper	sig	chr3_186360854
chr16	89032420	89032420	+	1.017E-40	2.8678E-38	-0.41126	hypo	sig	chr16_89032420
chr6	32073912	32073912	+	1.03E-40	2.9033E-38	-0.42296	hypo	sig	chr6_32073912
chr6	1E+08	100447821	+	1.031E-40	2.9048E-38	0.315482	hyper	sig	chr6_100447821
chr15	69462262	69462262	+	1.038E-40	2.9222E-38	-0.39678	hypo	sig	chr15_69462262
chr1	2.35E+08	234963342	+	1.039E-40	2.9239E-38	-0.22067	hypo	sig	chr1_234963342
chr11	843943	843943	+	1.045E-40	2.939E-38	0.379156	hyper	sig	chr11_843943
chr2	1.87E+08	186849276	+	1.047E-40	2.9437E-38	0.322111	hyper	sig	chr2_186849276
chr10	3287629	3287629	+	1.056E-40	2.9703E-38	-0.38972	hypo	sig	chr10_3287629
chr2	1.87E+08	186849287	+	1.074E-40	3.0199E-38	0.299718	hyper	sig	chr2_186849287
chr17	79986027	79986027	+	1.09E-40	3.0617E-38	-0.37227	hypo	sig	chr17_79986027
chr14	99215355	99215355	+	1.09E-40	3.0628E-38	0.418941	hyper	sig	chr14_99215355
chr13	87674538	87674538	+	1.11E-40	3.1157E-38	0.337306	hyper	sig	chr13_87674538
chr12	1.3E+08	130042248	+	1.12E-40	3.1409E-38	0.402521	hyper	sig	chr12_130042248
chr2	1.28E+08	127665045	+	1.12E-40	3.1409E-38	0.299919	hyper	sig	chr2_127665045
chr8	51809416	51809416	+	1.119E-40	3.1409E-38	0.402079	hyper	sig	chr8_51809416
chr3	10142878	10142878	+	1.124E-40	3.1508E-38	-0.43548	hypo	sig	chr3_10142878
chr5	16178967	16178967	+	1.128E-40	3.162E-38	0.301985	hyper	sig	chr5_16178967
chr14	80959668	80959668	+	1.143E-40	3.2032E-38	-0.34507	hypo	sig	chr14_80959668
chr12	1.16E+08	116319143	+	1.153E-40	3.2289E-38	0.356341	hyper	sig	chr12_116319143
chr19	43774507	43774507	+	1.16E-40	3.2493E-38	0.414822	hyper	sig	chr19_43774507
chr7	19772925	19772925	+	1.162E-40	3.2521E-38	0.282835	hyper	sig	chr7_19772925
chr1	2.21E+08	220895739	+	1.168E-40	3.2695E-38	0.469716	hyper	sig	chr1_220895739
chr11	2807238	2807238	+	1.173E-40	3.2823E-38	0.388082	hyper	sig	chr11_2807238
chr12	1.22E+08	121792584	+	1.188E-40	3.3218E-38	-0.38433	hypo	sig	chr12_121792584
chr10	29470525	29470525	+	1.196E-40	3.3442E-38	0.372812	hyper	sig	chr10_29470525
chr5	1536434	1536434	+	1.211E-40	3.3834E-38	-0.37835	hypo	sig	chr5_1536434
chr7	79454469	79454469	+	1.214E-40	3.3899E-38	0.459296	hyper	sig	chr7_79454469
chr16	87667304	87667304	+	1.222E-40	3.412E-38	-0.41307	hypo	sig	chr16_87667304
chr20	25083657	25083657	+	1.225E-40	3.4182E-38	0.437739	hyper	sig	chr20_25083657
chr17	6755414	6755414	+	1.226E-40	3.4206E-38	0.384281	hyper	sig	chr17_6755414
chr14	1.01E+08	101023849	+	1.235E-40	3.444E-38	-0.36301	hypo	sig	chr14_101023849
chr16	84795351	84795351	+	1.237E-40	3.4492E-38	0.336598	hyper	sig	chr16_84795351

chr19	53254797	53254797	+	1.242E-40	3.461E-38	0.438346	hyper	sig	chr19_53254797
chr6	29553508	29553508	+	1.242E-40	3.461E-38	0.361012	hyper	sig	chr6_29553508
chr19	58009735	58009735	+	1.252E-40	3.4886E-38	0.30732	hyper	sig	chr19_58009735
chr21	41765585	41765585	+	1.257E-40	3.4997E-38	-0.34265	hypo	sig	chr21_41765585
chr7	1040910	1040910	+	1.259E-40	3.5051E-38	0.389559	hyper	sig	chr7_1040910
chr3	1.47E+08	147388774	+	1.26E-40	3.5057E-38	0.348297	hyper	sig	chr3_147388774
chr1	1.8E+08	179588577	+	1.263E-40	3.5127E-38	-0.35836	hypo	sig	chr1_179588577
chr7	772055	772055	+	1.289E-40	3.5846E-38	0.387417	hyper	sig	chr7_772055
chr22	36324199	36324199	+	1.309E-40	3.6381E-38	0.375208	hyper	sig	chr22_36324199
chr2	1.06E+08	106343440	+	1.311E-40	3.6445E-38	-0.46695	hypo	sig	chr2_106343440
chr1	2.44E+08	243917635	+	1.312E-40	3.645E-38	0.412474	hyper	sig	chr1_243917635
chr10	2949997	2949997	+	1.336E-40	3.7101E-38	-0.41364	hypo	sig	chr10_2949997
chr7	1.55E+08	154875889	+	1.35E-40	3.749E-38	-0.46988	hypo	sig	chr7_154875889
chr1	2.37E+08	237043211	+	1.353E-40	3.7541E-38	0.392839	hyper	sig	chr1_237043211
chr10	1.3E+08	130013357	+	1.372E-40	3.8057E-38	0.345656	hyper	sig	chr10_130013357
chr12	76883338	76883338	+	1.378E-40	3.8225E-38	-0.4195	hypo	sig	chr12_76883338
chr12	29783565	29783565	+	1.387E-40	3.8457E-38	0.3026	hyper	sig	chr12_29783565
chr16	81493536	81493536	+	1.389E-40	3.8468E-38	-0.39495	hypo	sig	chr16_81493536
chr9	82131171	82131171	+	1.388E-40	3.8468E-38	-0.4528	hypo	sig	chr9_82131171
chr12	1.15E+08	114697255	+	1.41E-40	3.9039E-38	0.33953	hyper	sig	chr12_114697255
chr7	1.52E+08	151745214	+	1.426E-40	3.9487E-38	-0.49045	hypo	sig	chr7_151745214
chr2	1.3E+08	129723396	+	1.444E-40	3.9966E-38	-0.44079	hypo	sig	chr2_129723396
chr1	16019822	16019822	+	1.464E-40	4.0502E-38	0.392627	hyper	sig	chr1_16019822
chr6	29553979	29553979	+	1.47E-40	4.0647E-38	0.393871	hyper	sig	chr6_29553979
chr16	54933883	54933883	+	1.473E-40	4.0725E-38	0.416425	hyper	sig	chr16_54933883
chr1	1.48E+08	148309719	+	1.482E-40	4.0962E-38	0.363186	hyper	sig	chr1_148309719
chr3	44021833	44021833	+	1.485E-40	4.1032E-38	0.377114	hyper	sig	chr3_44021833
chr8	66962102	66962102	+	1.49E-40	4.1141E-38	0.362273	hyper	sig	chr8_66962102
chr3	13638103	13638103	+	1.495E-40	4.1267E-38	-0.38342	hypo	sig	chr3_13638103
chr11	268950	268950	+	1.521E-40	4.199E-38	-0.28499	hypo	sig	chr11_268950
chr2	9820477	9820477	+	1.524E-40	4.204E-38	-0.38479	hypo	sig	chr2_9820477
chr5	3592598	3592598	+	1.552E-40	4.2799E-38	0.360615	hyper	sig	chr5_3592598
chr5	37838303	37838303	+	1.552E-40	4.2799E-38	0.317561	hyper	sig	chr5_37838303
chr11	45691496	45691496	+	1.555E-40	4.2858E-38	-0.38599	hypo	sig	chr11_45691496
chr12	1.25E+08	124501963	+	1.566E-40	4.3158E-38	0.447205	hyper	sig	chr12_124501963
chr21	36697038	36697038	+	1.572E-40	4.3299E-38	0.373447	hyper	sig	chr21_36697038
chr13	37870025	37870025	+	1.573E-40	4.331E-38	0.334815	hyper	sig	chr13_37870025
chr7	37449339	37449339	+	1.585E-40	4.362E-38	0.328569	hyper	sig	chr7_37449339
chr14	1.04E+08	103520007	+	1.608E-40	4.4245E-38	0.37287	hyper	sig	chr14_103520007
chr7	1.46E+08	146117050	+	1.622E-40	4.4612E-38	0.35766	hyper	sig	chr7_146117050
chr4	7425541	7425541	+	1.623E-40	4.4625E-38	-0.44441	hypo	sig	chr4_7425541
chr13	1.12E+08	112104019	+	1.628E-40	4.4753E-38	0.41985	hyper	sig	chr13_112104019
chr11	79486504	79486504	+	1.631E-40	4.481E-38	-0.35585	hypo	sig	chr11_79486504
chr7	868118	868118	+	1.655E-40	4.5452E-38	0.436098	hyper	sig	chr7_868118
chr17	1187047	1187047	+	1.657E-40	4.5502E-38	0.371007	hyper	sig	chr17_1187047
chr5	95503	95503	+	1.664E-40	4.567E-38	-0.42632	hypo	sig	chr5_95503
chr13	1.12E+08	112073942	+	1.665E-40	4.5698E-38	0.388871	hyper	sig	chr13_112073942
chr2	467891	467891	+	1.67E-40	4.5813E-38	0.368293	hyper	sig	chr2_467891
chr20	46011710	46011710	+	1.673E-40	4.5876E-38	0.487275	hyper	sig	chr20_46011710
chr6	27213919	27213919	+	1.676E-40	4.5932E-38	0.352694	hyper	sig	chr6_27213919
chr19	58350708	58350708	+	1.677E-40	4.5944E-38	0.453364	hyper	sig	chr19_58350708
chr15	25678509	25678509	+	1.718E-40	4.7072E-38	-0.39566	hypo	sig	chr15_25678509
chr6	30164013	30164013	+	1.734E-40	4.7491E-38	-0.3711	hypo	sig	chr6_30164013
chr3	27723298	27723298	+	1.738E-40	4.7575E-38	0.339498	hyper	sig	chr3_27723298
chr9	98118698	98118698	+	1.75E-40	4.7902E-38	-0.30532	hypo	sig	chr9_98118698
chr19	15264508	15264508	+	1.777E-40	4.8618E-38	0.325344	hyper	sig	chr19_15264508

chr3	45167766	45167766	+	1.782E-40	4.8722E-38	-0.23991	hypo	sig	chr3_45167766
chr3	1.3E+08	129975347	+	1.798E-40	4.9168E-38	0.4266	hyper	sig	chr3_129975347
chr2	1.27E+08	127176007	+	1.804E-40	4.9304E-38	0.317269	hyper	sig	chr2_127176007
chr3	1.86E+08	186361562	+	1.807E-40	4.9379E-38	0.329489	hyper	sig	chr3_186361562
chr6	32852223	32852223	+	1.808E-40	4.9385E-38	-0.3484	hypo	sig	chr6_32852223
chr20	37518813	37518813	+	1.815E-40	4.9553E-38	0.317046	hyper	sig	chr20_37518813
chr16	383529	383529	+	1.838E-40	5.016E-38	-0.3163	hypo	sig	chr16_383529
chr4	8394573	8394573	+	1.838E-40	5.016E-38	0.36918	hyper	sig	chr4_8394573
chr18	32139960	32139960	+	1.86E-40	5.0744E-38	-0.40094	hypo	sig	chr18_32139960
chr2	2.22E+08	222302738	+	1.874E-40	5.1099E-38	0.306737	hyper	sig	chr2_222302738
chr16	1266234	1266234	+	1.887E-40	5.1421E-38	-0.47428	hypo	sig	chr16_1266234
chr13	1.13E+08	113453713	+	1.896E-40	5.1669E-38	0.357445	hyper	sig	chr13_113453713
chr5	3592560	3592560	+	1.9E-40	5.175E-38	0.3519	hyper	sig	chr5_3592560
chr16	73056824	73056824	+	1.917E-40	5.2199E-38	0.349138	hyper	sig	chr16_73056824
chr17	47905606	47905606	+	1.932E-40	5.259E-38	0.41586	hyper	sig	chr17_47905606
chr16	1531091	1531091	+	1.933E-40	5.2604E-38	0.408554	hyper	sig	chr16_1531091
chr20	21509934	21509934	+	1.936E-40	5.2669E-38	0.317779	hyper	sig	chr20_21509934
chr20	46815096	46815096	+	1.938E-40	5.27E-38	-0.32348	hypo	sig	chr20_46815096
chr11	69818955	69818955	+	1.953E-40	5.31E-38	0.35582	hyper	sig	chr11_69818955
chr12	49974410	49974410	+	2.007E-40	5.4544E-38	0.477014	hyper	sig	chr12_49974410
chr7	5300678	5300678	+	2.016E-40	5.4756E-38	-0.44508	hypo	sig	chr7_5300678
chr1	1.71E+08	170661407	+	2.032E-40	5.5182E-38	0.370308	hyper	sig	chr1_170661407
chr2	11777661	11777661	+	2.051E-40	5.5689E-38	-0.41248	hypo	sig	chr2_11777661
chr7	4767238	4767238	+	2.063E-40	5.5988E-38	0.346085	hyper	sig	chr7_4767238
chr10	55628570	55628570	+	2.08E-40	5.6423E-38	0.38635	hyper	sig	chr10_55628570
chr8	1.4E+08	139604918	+	2.094E-40	5.6789E-38	-0.34055	hypo	sig	chr8_139604918
chr1	2E+08	200041638	+	2.196E-40	5.9539E-38	0.46572	hyper	sig	chr1_200041638
chr16	29785426	29785426	+	2.2E-40	5.9621E-38	0.363863	hyper	sig	chr16_29785426
chr1	2.28E+08	227775599	+	2.206E-40	5.9756E-38	0.299616	hyper	sig	chr1_227775599
chr19	48480313	48480313	+	2.209E-40	5.9835E-38	0.343924	hyper	sig	chr19_48480313
chr12	1.3E+08	130339470	+	2.233E-40	6.0446E-38	0.37685	hyper	sig	chr12_130339470
chr1	1.44E+08	143905739	+	2.261E-40	6.1196E-38	0.321659	hyper	sig	chr1_143905739
chr7	54542416	54542416	+	2.262E-40	6.1199E-38	0.383134	hyper	sig	chr7_54542416
chr11	1.33E+08	132946908	+	2.279E-40	6.163E-38	-0.45833	hypo	sig	chr11_132946908
chr1	2.21E+08	220894893	+	2.294E-40	6.2031E-38	0.448383	hyper	sig	chr1_220894893
chr8	1.08E+08	108083560	+	2.296E-40	6.2054E-38	0.387607	hyper	sig	chr8_108083560
chr13	1.01E+08	101416795	+	2.297E-40	6.2058E-38	0.399507	hyper	sig	chr13_101416795
chr11	69298329	69298329	+	2.325E-40	6.2806E-38	-0.38615	hypo	sig	chr11_69298329
chr11	45209732	45209732	+	2.388E-40	6.4491E-38	0.34879	hyper	sig	chr11_45209732
chr2	1.06E+08	106343386	+	2.42E-40	6.5334E-38	-0.44374	hypo	sig	chr2_106343386
chr3	1.51E+08	150520470	+	2.425E-40	6.5428E-38	-0.40834	hypo	sig	chr3_150520470
chr7	1.58E+08	157663322	+	2.425E-40	6.5428E-38	0.377684	hyper	sig	chr7_157663322
chr12	43552475	43552475	+	2.427E-40	6.5438E-38	0.380126	hyper	sig	chr12_43552475
chr16	85947777	85947777	+	2.436E-40	6.5664E-38	-0.5295	hypo	sig	chr16_85947777
chr1	12144039	12144039	+	2.476E-40	6.6725E-38	-0.32068	hypo	sig	chr1_12144039
chr11	47337672	47337672	+	2.485E-40	6.694E-38	-0.40558	hypo	sig	chr11_47337672
chr2	1.19E+08	118857914	+	2.491E-40	6.7082E-38	0.397587	hyper	sig	chr2_118857914
chr6	1.19E+08	119348155	+	2.543E-40	6.8451E-38	-0.27396	hypo	sig	chr6_119348155
chr4	1209848	1209848	+	2.548E-40	6.8573E-38	0.419509	hyper	sig	chr4_1209848
chr8	1.42E+08	142451374	+	2.571E-40	6.9164E-38	0.446351	hyper	sig	chr8_142451374
chr19	44448605	44448605	+	2.604E-40	7.0034E-38	0.303923	hyper	sig	chr19_44448605
chr8	11035590	11035590	+	2.612E-40	7.0219E-38	-0.36385	hypo	sig	chr8_11035590
chr11	65872379	65872379	+	2.623E-40	7.0495E-38	0.41482	hyper	sig	chr11_65872379
chr1	2.21E+08	220882457	+	2.645E-40	7.1068E-38	0.369302	hyper	sig	chr1_220882457
chr6	436632	436632	+	2.658E-40	7.14E-38	-0.44329	hypo	sig	chr6_436632
chr13	36125736	36125736	+	2.671E-40	7.1733E-38	-0.42332	hypo	sig	chr13_36125736

chr7	1.5E+08	150341527	+	2.673E-40	7.1737E-38	0.496176	hyper	sig	chr7_150341527
chr1	27341607	27341607	+	2.699E-40	7.2413E-38	-0.37894	hypo	sig	chr1_27341607
chr5	1.73E+08	172748718	+	2.714E-40	7.2793E-38	0.412735	hyper	sig	chr5_172748718
chr7	1.52E+08	151745220	+	2.732E-40	7.3268E-38	-0.48312	hypo	sig	chr7_151745220
chr8	51809586	51809586	+	2.74E-40	7.3445E-38	0.359744	hyper	sig	chr8_51809586
chr17	48727001	48727001	+	2.748E-40	7.3628E-38	0.335246	hyper	sig	chr17_48727001
chr15	59993610	59993610	+	2.768E-40	7.4144E-38	0.403736	hyper	sig	chr15_59993610
chr11	1.21E+08	120562323	+	2.792E-40	7.4778E-38	-0.4432	hypo	sig	chr11_120562323
chr7	4613191	4613191	+	2.815E-40	7.5338E-38	-0.3404	hypo	sig	chr7_4613191
chr8	66432804	66432804	+	2.815E-40	7.5338E-38	0.339998	hyper	sig	chr8_66432804
chr20	37518792	37518792	+	2.821E-40	7.5441E-38	0.263748	hyper	sig	chr20_37518792
chr5	11384613	11384613	+	2.82E-40	7.5441E-38	0.332025	hyper	sig	chr5_11384613
chr20	25082183	25082183	+	2.878E-40	7.6947E-38	0.433598	hyper	sig	chr20_25082183
chr17	887883	887883	+	2.879E-40	7.6957E-38	0.388889	hyper	sig	chr17_887883
chr5	1.41E+08	141355458	+	2.907E-40	7.7671E-38	0.358733	hyper	sig	chr5_141355458
chr8	23064628	23064628	+	2.95E-40	7.8806E-38	-0.38444	hypo	sig	chr8_23064628
chr16	4376952	4376952	+	2.954E-40	7.8876E-38	0.406926	hyper	sig	chr16_4376952
chr3	27731142	27731142	+	2.978E-40	7.9497E-38	0.286591	hyper	sig	chr3_27731142
chr16	15143915	15143915	+	2.992E-40	7.9833E-38	0.498518	hyper	sig	chr16_15143915
chr10	23174094	23174094	+	3.022E-40	8.0616E-38	0.395439	hyper	sig	chr10_23174094
chr7	1.52E+08	152136808	+	3.049E-40	8.1295E-38	0.36116	hyper	sig	chr7_152136808
chr12	72273965	72273965	+	3.071E-40	8.1857E-38	0.397598	hyper	sig	chr12_72273965
chr13	38688090	38688090	+	3.124E-40	8.3255E-38	0.367368	hyper	sig	chr13_38688090
chr8	64798255	64798255	+	3.15E-40	8.3915E-38	0.333003	hyper	sig	chr8_64798255
chr8	52566146	52566146	+	3.167E-40	8.4342E-38	0.32258	hyper	sig	chr8_52566146
chr11	1.06E+08	105610679	+	3.174E-40	8.4505E-38	0.296606	hyper	sig	chr11_105610679
chr1	1.53E+08	152775048	+	3.181E-40	8.4667E-38	-0.36486	hypo	sig	chr1_152775048
chr11	71339315	71339315	+	3.254E-40	8.6576E-38	0.360318	hyper	sig	chr11_71339315
chr7	1.56E+08	155509039	+	3.256E-40	8.6604E-38	0.421323	hyper	sig	chr7_155509039
chr5	1.67E+08	166976811	+	3.277E-40	8.7122E-38	-0.40655	hypo	sig	chr5_166976811
chr19	22286716	22286716	+	3.29E-40	8.7432E-38	0.387937	hyper	sig	chr19_22286716
chr1	2.2E+08	220275181	+	3.291E-40	8.7434E-38	-0.39737	hypo	sig	chr1_220275181
chr14	20510651	20510651	+	3.336E-40	8.86E-38	-0.38213	hypo	sig	chr14_20510651
chr10	23693481	23693481	+	3.392E-40	9.0064E-38	0.303598	hyper	sig	chr10_23693481
chr13	57630899	57630899	+	3.393E-40	9.0064E-38	0.311655	hyper	sig	chr13_57630899
chr6	1.63E+08	163300843	+	3.426E-40	9.0906E-38	-0.35738	hypo	sig	chr6_163300843
chr3	28575799	28575799	+	3.431E-40	9.0986E-38	0.422206	hyper	sig	chr3_28575799
chr5	38403855	38403855	+	3.431E-40	9.0986E-38	-0.39502	hypo	sig	chr5_38403855
chr13	1.1E+08	109773516	+	3.445E-40	9.1324E-38	-0.38805	hypo	sig	chr13_109773516
chr14	52069231	52069231	+	3.453E-40	9.1464E-38	0.238345	hyper	sig	chr14_52069231
chr7	54541950	54541950	+	3.452E-40	9.1464E-38	0.36211	hyper	sig	chr7_54541950
chr19	6670098	6670098	+	3.461E-40	9.1669E-38	-0.41719	hypo	sig	chr19_6670098
chr12	1.15E+08	114696539	+	3.551E-40	9.4E-38	0.366427	hyper	sig	chr12_114696539
chr2	61162055	61162055	+	3.579E-40	9.4721E-38	-0.38297	hypo	sig	chr2_61162055
chr5	1.59E+08	159104621	+	3.588E-40	9.4941E-38	0.467926	hyper	sig	chr5_159104621
chr3	1.27E+08	126540565	+	3.648E-40	9.6491E-38	-0.47331	hypo	sig	chr3_126540565
chr7	35186159	35186159	+	3.653E-40	9.6592E-38	0.282384	hyper	sig	chr7_35186159
chr17	41583289	41583289	+	3.667E-40	9.6913E-38	-0.37188	hypo	sig	chr17_41583289
chr11	71615593	71615593	+	3.735E-40	9.8685E-38	-0.39075	hypo	sig	chr11_71615593
chr11	1.18E+08	117987370	+	3.741E-40	9.8784E-38	-0.47837	hypo	sig	chr11_117987370
chr7	55018471	55018471	+	3.741E-40	9.8784E-38	0.354829	hyper	sig	chr7_55018471
chr13	1.12E+08	111974189	+	3.787E-40	9.9978E-38	0.37107	hyper	sig	chr13_111974189
chr8	1011598	1011598	+	3.792E-40	1.0007E-37	-0.36695	hypo	sig	chr8_1011598
chr12	72273374	72273374	+	3.817E-40	1.007E-37	0.378448	hyper	sig	chr12_72273374
chr14	60510174	60510174	+	3.828E-40	1.0095E-37	0.512165	hyper	sig	chr14_60510174
chr11	71206261	71206261	+	3.836E-40	1.0113E-37	0.370616	hyper	sig	chr11_71206261

chr13	78595715	78595715	+	3.846E-40	1.0135E-37	0.348635	hyper	sig	chr13_78595715
chr7	8442742	8442742	+	3.858E-40	1.0165E-37	0.414595	hyper	sig	chr7_8442742
chr8	1.08E+08	108083147	+	3.862E-40	1.0172E-37	0.411953	hyper	sig	chr8_108083147
chr16	29285461	29285461	+	3.872E-40	1.0194E-37	-0.36508	hypo	sig	chr16_29285461
chr1	2.21E+08	220884827	+	3.899E-40	1.0262E-37	0.441766	hyper	sig	chr1_220884827
chr2	1.05E+08	104844270	+	3.901E-40	1.0263E-37	0.377205	hyper	sig	chr2_104844270
chr11	1.12E+08	111976783	+	3.97E-40	1.0441E-37	0.401401	hyper	sig	chr11_111976783
chr5	55222970	55222970	+	4.013E-40	1.0551E-37	0.383555	hyper	sig	chr5_55222970
chr5	1.51E+08	150662074	+	4.022E-40	1.0571E-37	-0.38827	hypo	sig	chr5_150662074
chr7	1124046	1124046	+	4.085E-40	1.0734E-37	0.399979	hyper	sig	chr7_1124046
chr10	1182501	1182501	+	4.091E-40	1.0747E-37	-0.4159	hypo	sig	chr10_1182501
chr1	45349038	45349038	+	4.103E-40	1.0775E-37	0.372321	hyper	sig	chr1_45349038
chr12	1.14E+08	114441183	+	4.108E-40	1.0785E-37	0.405042	hyper	sig	chr12_114441183
chr5	88678647	88678647	+	4.111E-40	1.0788E-37	0.374729	hyper	sig	chr5_88678647
chr17	80178697	80178697	+	4.124E-40	1.0818E-37	-0.37815	hypo	sig	chr17_80178697
chr19	23070533	23070533	+	4.14E-40	1.0859E-37	0.356968	hyper	sig	chr19_23070533
chr9	1.31E+08	131034898	+	4.201E-40	1.1015E-37	-0.47888	hypo	sig	chr9_131034898
chr6	28634842	28634842	+	4.203E-40	1.1016E-37	0.340644	hyper	sig	chr6_28634842
chr8	1.43E+08	142538254	+	4.267E-40	1.118E-37	-0.44822	hypo	sig	chr8_142538254
chr3	1.3E+08	129975194	+	4.274E-40	1.1196E-37	0.359894	hyper	sig	chr3_129975194
chr12	95549131	95549131	+	4.313E-40	1.1292E-37	0.345382	hyper	sig	chr12_95549131
chr12	1.25E+08	124621258	+	4.315E-40	1.1295E-37	0.385749	hyper	sig	chr12_124621258
chr3	1.3E+08	129975214	+	4.32E-40	1.1304E-37	0.362092	hyper	sig	chr3_129975214
chr2	54559011	54559011	+	4.335E-40	1.1339E-37	-0.27837	hypo	sig	chr2_54559011
chr7	18087406	18087406	+	4.379E-40	1.1451E-37	0.303681	hyper	sig	chr7_18087406
chr8	66962166	66962166	+	4.41E-40	1.1529E-37	0.382052	hyper	sig	chr8_66962166
chr2	28346707	28346707	+	4.477E-40	1.1699E-37	0.335732	hyper	sig	chr2_28346707
chr8	66963026	66963026	+	4.522E-40	1.1815E-37	0.344507	hyper	sig	chr8_66963026
chr5	83471802	83471802	+	4.612E-40	1.2045E-37	0.379495	hyper	sig	chr5_83471802
chr16	81645426	81645426	+	4.614E-40	1.2047E-37	0.381519	hyper	sig	chr16_81645426
chr10	7408512	7408512	+	4.67E-40	1.2189E-37	0.377368	hyper	sig	chr10_7408512
chr3	1.93E+08	193255767	+	4.747E-40	1.2386E-37	-0.38179	hypo	sig	chr3_193255767
chr19	44757209	44757209	+	4.77E-40	1.2441E-37	0.388403	hyper	sig	chr19_44757209
chr9	1.1E+08	109535291	+	4.821E-40	1.2571E-37	-0.38118	hypo	sig	chr9_109535291
chr4	37666880	37666880	+	4.843E-40	1.2625E-37	-0.2953	hypo	sig	chr4_37666880
chr4	7812184	7812184	+	4.885E-40	1.2729E-37	0.389494	hyper	sig	chr4_7812184
chr14	1.05E+08	104844345	+	4.914E-40	1.2801E-37	0.483146	hyper	sig	chr14_104844345
chr16	2236600	2236600	+	4.96E-40	1.2915E-37	0.385315	hyper	sig	chr16_2236600
chr7	1040922	1040922	+	5.019E-40	1.3066E-37	0.390726	hyper	sig	chr7_1040922
chr10	1.16E+08	116272565	+	5.109E-40	1.3295E-37	0.315939	hyper	sig	chr10_116272565
chr13	52848902	52848902	+	5.278E-40	1.3732E-37	0.432927	hyper	sig	chr13_52848902
chr7	1761892	1761892	+	5.292E-40	1.3762E-37	-0.45934	hypo	sig	chr7_1761892
chr13	1.03E+08	103162037	+	5.322E-40	1.3837E-37	-0.42202	hypo	sig	chr13_103162037
chr4	1310031	1310031	+	5.374E-40	1.3967E-37	0.385555	hyper	sig	chr4_1310031
chr16	85948114	85948114	+	5.505E-40	1.4305E-37	-0.42189	hypo	sig	chr16_85948114
chr13	1.12E+08	112067404	+	5.52E-40	1.4338E-37	0.298519	hyper	sig	chr13_112067404
chr3	5095932	5095932	+	5.631E-40	1.4623E-37	0.354527	hyper	sig	chr3_5095932
chr20	21509630	21509630	+	5.694E-40	1.478E-37	0.357763	hyper	sig	chr20_21509630
chr22	41449645	41449645	+	5.846E-40	1.517E-37	-0.34206	hypo	sig	chr22_41449645
chr6	32058080	32058080	+	5.877E-40	1.5247E-37	-0.4289	hypo	sig	chr6_32058080
chr8	49910637	49910637	+	5.881E-40	1.5252E-37	0.338966	hyper	sig	chr8_49910637
chr19	57351262	57351262	+	5.885E-40	1.5258E-37	0.336068	hyper	sig	chr19_57351262
chr10	1.01E+08	101134297	+	6.064E-40	1.5715E-37	0.392193	hyper	sig	chr10_101134297
chr1	7782099	7782099	+	6.172E-40	1.5991E-37	-0.37198	hypo	sig	chr1_7782099
chr2	2.39E+08	239309145	+	6.176E-40	1.5994E-37	0.387994	hyper	sig	chr2_239309145
chr1	90834868	90834868	+	6.213E-40	1.6086E-37	0.336403	hyper	sig	chr1_90834868

chr8	1062309	1062309	+	6.259E-40	1.62E-37	0.382385	hyper	sig	chr8_1062309
chr8	1.03E+08	102805834	+	6.263E-40	1.6205E-37	-0.41528	hypo	sig	chr8_102805834
chr13	1.14E+08	114005067	+	6.321E-40	1.6349E-37	-0.45869	hypo	sig	chr13_114005067
chr15	79090427	79090427	+	6.382E-40	1.6504E-37	0.340265	hyper	sig	chr15_79090427
chr16	67163235	67163235	+	6.392E-40	1.6524E-37	0.350015	hyper	sig	chr16_67163235
chr2	1.31E+08	130964720	+	6.397E-40	1.6531E-37	0.340227	hyper	sig	chr2_130964720
chr14	1.04E+08	103519926	+	6.478E-40	1.6736E-37	0.328843	hyper	sig	chr14_103519926
chr22	36324162	36324162	+	6.508E-40	1.6808E-37	0.36614	hyper	sig	chr22_36324162
chr7	530003	530003	+	6.52E-40	1.6833E-37	-0.35238	hypo	sig	chr7_530003
chr7	1.55E+08	155462425	+	6.545E-40	1.6892E-37	0.460978	hyper	sig	chr7_155462425
chr11	843956	843956	+	6.553E-40	1.6908E-37	0.404014	hyper	sig	chr11_843956
chr11	72013377	72013377	+	6.577E-40	1.6964E-37	0.345724	hyper	sig	chr11_72013377
chr12	1.15E+08	114697245	+	6.582E-40	1.6971E-37	0.331922	hyper	sig	chr12_114697245
chr1	2.21E+08	220884841	+	6.629E-40	1.7087E-37	0.424611	hyper	sig	chr1_220884841
chr12	1.3E+08	130336919	+	6.67E-40	1.7188E-37	-0.38608	hypo	sig	chr12_130336919
chr3	1.96E+08	196180210	+	6.672E-40	1.7188E-37	-0.37749	hypo	sig	chr3_196180210
chr2	2.39E+08	238586514	+	6.679E-40	1.7201E-37	0.27742	hyper	sig	chr2_238586514
chr11	44311103	44311103	+	6.684E-40	1.7204E-37	0.374616	hyper	sig	chr11_44311103
chr6	30172447	30172447	+	6.685E-40	1.7204E-37	0.382085	hyper	sig	chr6_30172447
chr12	1.33E+08	132904880	+	6.721E-40	1.7292E-37	0.319448	hyper	sig	chr12_132904880
chr8	1.41E+08	141230956	+	6.726E-40	1.73E-37	-0.56358	hypo	sig	chr8_141230956
chr16	67163269	67163269	+	6.781E-40	1.7435E-37	0.377215	hyper	sig	chr16_67163269
chr1	20553095	20553095	+	6.789E-40	1.7451E-37	0.400562	hyper	sig	chr1_20553095
chr6	42727344	42727344	+	6.821E-40	1.7527E-37	0.451607	hyper	sig	chr6_42727344
chr4	8559383	8559383	+	6.857E-40	1.7612E-37	-0.39617	hypo	sig	chr4_8559383
chr7	4792518	4792518	+	6.891E-40	1.7696E-37	0.43844	hyper	sig	chr7_4792518
chr14	93240187	93240187	+	6.939E-40	1.7813E-37	-0.36828	hypo	sig	chr14_93240187
chr7	27124227	27124227	+	6.978E-40	1.7907E-37	0.404356	hyper	sig	chr7_27124227
chr5	33936276	33936276	+	7.027E-40	1.8026E-37	0.377123	hyper	sig	chr5_33936276
chr5	1.41E+08	140672480	+	7.029E-40	1.8026E-37	0.399841	hyper	sig	chr5_140672480
chr6	29558658	29558658	+	7.061E-40	1.8103E-37	-0.32203	hypo	sig	chr6_29558658
chr8	1.44E+08	143602464	+	7.226E-40	1.8519E-37	-0.41457	hypo	sig	chr8_143602464
chr6	27680591	27680591	+	7.244E-40	1.8561E-37	0.358713	hyper	sig	chr6_27680591
chr8	11736494	11736494	+	7.33E-40	1.8775E-37	-0.47228	hypo	sig	chr8_11736494
chr19	22286415	22286415	+	7.369E-40	1.8868E-37	0.390188	hyper	sig	chr19_22286415
chr1	2.37E+08	237041857	+	7.375E-40	1.8879E-37	0.354609	hyper	sig	chr1_237041857
chr11	8168680	8168680	+	7.404E-40	1.8946E-37	0.371173	hyper	sig	chr11_8168680
chr12	1.22E+08	121792612	+	7.459E-40	1.9081E-37	-0.37718	hypo	sig	chr12_121792612
chr20	58515259	58515259	+	7.495E-40	1.9166E-37	0.421334	hyper	sig	chr20_58515259
chr6	1.7E+08	170177154	+	7.526E-40	1.9239E-37	-0.42693	hypo	sig	chr6_170177154
chr2	3282683	3282683	+	7.535E-40	1.9257E-37	0.318064	hyper	sig	chr2_3282683
chr2	1.61E+08	161427483	+	7.59E-40	1.9392E-37	0.355003	hyper	sig	chr2_161427483
chr14	67541952	67541952	+	7.665E-40	1.9578E-37	-0.36905	hypo	sig	chr14_67541952
chr3	1.49E+08	149377956	+	7.669E-40	1.9583E-37	-0.21772	hypo	sig	chr3_149377956
chr10	55627843	55627843	+	7.806E-40	1.9924E-37	0.334767	hyper	sig	chr10_55627843
chr16	71426420	71426420	+	7.834E-40	1.9991E-37	0.338494	hyper	sig	chr16_71426420
chr1	1.19E+08	118986004	+	7.86E-40	2.005E-37	0.439184	hyper	sig	chr1_118986004
chr8	1.44E+08	144046926	+	7.96E-40	2.0299E-37	-0.41051	hypo	sig	chr8_144046926
chr13	70107653	70107653	+	7.974E-40	2.0328E-37	0.468143	hyper	sig	chr13_70107653
chr10	1.01E+08	101134585	+	8.025E-40	2.0451E-37	0.326038	hyper	sig	chr10_101134585
chr11	20208036	20208036	+	8.032E-40	2.0456E-37	0.424763	hyper	sig	chr11_20208036
chr20	25082090	25082090	+	8.031E-40	2.0456E-37	0.429025	hyper	sig	chr20_25082090
chr4	4862581	4862581	+	8.164E-40	2.0786E-37	0.399006	hyper	sig	chr4_4862581
chr11	32431293	32431293	+	8.186E-40	2.0836E-37	0.3587	hyper	sig	chr11_32431293
chr1	1539750	1539750	+	8.252E-40	2.0996E-37	0.400948	hyper	sig	chr1_1539750
chr7	1.59E+08	159007043	+	8.303E-40	2.1121E-37	-0.43338	hypo	sig	chr7_159007043

chr5	1.16E+08	116361558	+	8.309E-40	2.113E-37	0.524588	hyper	sig	chr5_116361558
chr1	47434525	47434525	+	8.421E-40	2.1406E-37	0.343532	hyper	sig	chr1_47434525
chr12	1.25E+08	125442906	+	8.491E-40	2.1576E-37	-0.39748	hypo	sig	chr12_125442906
chr2	1.29E+08	128899523	+	8.493E-40	2.1576E-37	-0.50349	hypo	sig	chr2_128899523
chr5	1.16E+08	116361595	+	8.573E-40	2.1773E-37	0.508953	hyper	sig	chr5_116361595
chr19	6659921	6659921	+	8.631E-40	2.1913E-37	0.480578	hyper	sig	chr19_6659921
chr10	93065802	93065802	+	8.639E-40	2.1926E-37	0.398114	hyper	sig	chr10_93065802
chr10	1.04E+08	104334261	+	8.663E-40	2.1982E-37	0.354567	hyper	sig	chr10_104334261
chr19	48837285	48837285	+	8.771E-40	2.2247E-37	0.383102	hyper	sig	chr19_48837285
chr16	67944526	67944526	+	8.779E-40	2.2262E-37	0.475128	hyper	sig	chr16_67944526
chr7	19772969	19772969	+	8.952E-40	2.2694E-37	0.325576	hyper	sig	chr7_19772969
chr2	2.16E+08	216017624	+	8.983E-40	2.2765E-37	-0.36249	hypo	sig	chr2_216017624
chr10	1.03E+08	103473668	+	9.042E-40	2.2906E-37	0.317739	hyper	sig	chr10_103473668
chr7	1.58E+08	158239730	+	9.064E-40	2.2957E-37	-0.39101	hypo	sig	chr7_158239730
chr13	23547243	23547243	+	9.401E-40	2.3802E-37	0.401779	hyper	sig	chr13_23547243
chr11	20160615	20160615	+	9.454E-40	2.3929E-37	0.348328	hyper	sig	chr11_20160615
chr13	19818438	19818438	+	9.474E-40	2.397E-37	0.394639	hyper	sig	chr13_19818438
chr19	52453581	52453581	+	9.507E-40	2.4048E-37	0.328789	hyper	sig	chr19_52453581
chr8	1.38E+08	137755360	+	9.635E-40	2.4363E-37	-0.42517	hypo	sig	chr8_137755360
chr11	504918	504918	+	9.648E-40	2.4389E-37	0.339354	hyper	sig	chr11_504918
chr2	2.42E+08	242012105	+	9.699E-40	2.4509E-37	-0.33636	hypo	sig	chr2_242012105
chr13	73061956	73061956	+	9.849E-40	2.488E-37	-0.42057	hypo	sig	chr13_73061956
chr1	2.1E+08	209607621	+	9.866E-40	2.4918E-37	-0.41662	hypo	sig	chr1_209607621
chr4	54104087	54104087	+	9.945E-40	2.5108E-37	0.334525	hyper	sig	chr4_54104087
chr13	1.13E+08	113495835	+	9.954E-40	2.5123E-37	0.312823	hyper	sig	chr13_113495835
chr2	2.39E+08	239311345	+	9.976E-40	2.517E-37	0.362192	hyper	sig	chr2_239311345
chr8	1.43E+08	143272964	+	1.005E-39	2.5338E-37	-0.36741	hypo	sig	chr8_143272964
chr7	771321	771321	+	1.012E-39	2.5517E-37	0.443656	hyper	sig	chr7_771321
chr8	66962108	66962108	+	1.015E-39	2.5589E-37	0.363803	hyper	sig	chr8_66962108
chr6	30172445	30172445	+	1.022E-39	2.5757E-37	0.380827	hyper	sig	chr6_30172445
chr5	1876258	1876258	+	1.024E-39	2.5801E-37	0.362624	hyper	sig	chr5_1876258
chr20	37518795	37518795	+	1.03E-39	2.5946E-37	0.302834	hyper	sig	chr20_37518795
chr1	1.19E+08	119006522	+	1.032E-39	2.5982E-37	0.39003	hyper	sig	chr1_119006522
chr5	42944233	42944233	+	1.038E-39	2.6134E-37	0.493491	hyper	sig	chr5_42944233
chr16	3690891	3690891	+	1.049E-39	2.6397E-37	0.337158	hyper	sig	chr16_3690891
chr8	2145265	2145265	+	1.05E-39	2.6399E-37	-0.35583	hypo	sig	chr8_2145265
chr12	54000353	54000353	+	1.053E-39	2.6472E-37	0.303796	hyper	sig	chr12_54000353
chr8	48270583	48270583	+	1.054E-39	2.6496E-37	-0.36342	hypo	sig	chr8_48270583
chr7	1.5E+08	149768388	+	1.064E-39	2.6732E-37	-0.34236	hypo	sig	chr7_149768388
chr17	38855391	38855391	+	1.065E-39	2.6765E-37	-0.35444	hypo	sig	chr17_38855391
chr12	1.28E+08	128366012	+	1.072E-39	2.6926E-37	0.308475	hyper	sig	chr12_128366012
chr7	19107598	19107598	+	1.128E-39	2.8311E-37	0.323048	hyper	sig	chr7_19107598
chr10	1.33E+08	132545037	+	1.136E-39	2.8501E-37	0.375008	hyper	sig	chr10_132545037
chr3	62368864	62368864	+	1.144E-39	2.8709E-37	0.373307	hyper	sig	chr3_62368864
chr4	212712	212712	+	1.168E-39	2.93E-37	0.376241	hyper	sig	chr4_212712
chr5	42944392	42944392	+	1.182E-39	2.9627E-37	0.404586	hyper	sig	chr5_42944392
chr2	2.33E+08	233469812	+	1.196E-39	2.9984E-37	0.433351	hyper	sig	chr2_233469812
chr9	13284889	13284889	+	1.2E-39	3.0072E-37	-0.41275	hypo	sig	chr9_13284889
chr12	1.2E+08	119803671	+	1.203E-39	3.0131E-37	0.406986	hyper	sig	chr12_119803671
chr19	23003119	23003119	+	1.223E-39	3.0617E-37	0.360609	hyper	sig	chr19_23003119
chr19	52536181	52536181	+	1.225E-39	3.0678E-37	0.374881	hyper	sig	chr19_52536181
chr16	85534667	85534667	+	1.227E-39	3.0712E-37	0.294344	hyper	sig	chr16_85534667
chr10	1.09E+08	108911865	+	1.231E-39	3.0813E-37	0.29859	hyper	sig	chr10_108911865
chr7	1.52E+08	152136783	+	1.235E-39	3.0891E-37	0.401508	hyper	sig	chr7_152136783
chr11	65355978	65355978	+	1.236E-39	3.092E-37	0.419115	hyper	sig	chr11_65355978
chr15	93421813	93421813	+	1.243E-39	3.1074E-37	-0.39782	hypo	sig	chr15_93421813

chr20	41367074	41367074	+	1.243E-39	3.1074E-37	0.402578	hyper	sig	chr20_41367074
chr11	1.12E+08	111976790	+	1.251E-39	3.1255E-37	0.415806	hyper	sig	chr11_111976790
chr6	29553974	29553974	+	1.251E-39	3.1255E-37	0.388578	hyper	sig	chr6_29553974
chr13	1.12E+08	112249099	+	1.254E-39	3.1304E-37	0.351758	hyper	sig	chr13_112249099
chr13	23160609	23160609	+	1.256E-39	3.1344E-37	0.472167	hyper	sig	chr13_23160609
chr17	45429754	45429754	+	1.262E-39	3.148E-37	0.416438	hyper	sig	chr17_45429754
chr17	75587793	75587793	+	1.273E-39	3.1756E-37	0.354839	hyper	sig	chr17_75587793
chr4	7425552	7425552	+	1.286E-39	3.2066E-37	-0.43591	hypo	sig	chr4_7425552
chr8	66963237	66963237	+	1.289E-39	3.2124E-37	0.344329	hyper	sig	chr8_66963237
chr13	87674646	87674646	+	1.316E-39	3.2788E-37	0.372248	hyper	sig	chr13_87674646
chr13	36674087	36674087	+	1.318E-39	3.2841E-37	0.331665	hyper	sig	chr13_36674087
chr3	1.25E+08	125357621	+	1.342E-39	3.3435E-37	0.363866	hyper	sig	chr3_125357621
chr3	1.6E+08	160039198	+	1.343E-39	3.3436E-37	0.330574	hyper	sig	chr3_160039198
chr1	47446212	47446212	+	1.361E-39	3.3866E-37	0.474961	hyper	sig	chr1_47446212
chr9	1.31E+08	130860849	+	1.371E-39	3.412E-37	0.360481	hyper	sig	chr9_130860849
chr19	22634294	22634294	+	1.373E-39	3.4156E-37	0.359375	hyper	sig	chr19_22634294
chr2	1.28E+08	127700707	+	1.377E-39	3.4236E-37	-0.39386	hypo	sig	chr2_127700707
chr1	24931694	24931694	+	1.386E-39	3.4453E-37	0.391687	hyper	sig	chr1_24931694
chr8	51809580	51809580	+	1.401E-39	3.4816E-37	0.354911	hyper	sig	chr8_51809580
chr2	1.31E+08	131056453	+	1.402E-39	3.4833E-37	0.35272	hyper	sig	chr2_131056453
chr7	1.5E+08	150047423	+	1.423E-39	3.5347E-37	0.397118	hyper	sig	chr7_150047423
chr10	49610661	49610661	+	1.434E-39	3.5594E-37	0.336654	hyper	sig	chr10_49610661
chr19	58009768	58009768	+	1.455E-39	3.6104E-37	0.296104	hyper	sig	chr19_58009768
chr16	85947760	85947760	+	1.461E-39	3.6252E-37	-0.50833	hypo	sig	chr16_85947760
chr19	57888578	57888578	+	1.471E-39	3.6491E-37	0.337178	hyper	sig	chr19_57888578
chr7	218142	218142	+	1.472E-39	3.6513E-37	-0.39332	hypo	sig	chr7_218142
chr19	19529245	19529245	+	1.481E-39	3.6727E-37	0.425305	hyper	sig	chr19_19529245
chr11	1.17E+08	117203587	+	1.489E-39	3.6906E-37	0.311824	hyper	sig	chr11_117203587
chr7	19107577	19107577	+	1.514E-39	3.7521E-37	0.328547	hyper	sig	chr7_19107577
chr19	39308426	39308426	+	1.517E-39	3.7582E-37	0.432899	hyper	sig	chr19_39308426
chr7	1123964	1123964	+	1.521E-39	3.7673E-37	0.363938	hyper	sig	chr7_1123964
chr12	1.15E+08	114697186	+	1.524E-39	3.7716E-37	0.344546	hyper	sig	chr12_114697186
chr14	1.04E+08	103520065	+	1.527E-39	3.7799E-37	0.360968	hyper	sig	chr14_103520065
chr3	10142900	10142900	+	1.531E-39	3.7857E-37	-0.4008	hypo	sig	chr3_10142900
chr8	84182511	84182511	+	1.531E-39	3.7857E-37	0.377847	hyper	sig	chr8_84182511
chr12	1.32E+08	132287394	+	1.534E-39	3.7932E-37	-0.43628	hypo	sig	chr12_132287394
chr8	57143571	57143571	+	1.556E-39	3.847E-37	0.439597	hyper	sig	chr8_57143571
chr5	1.34E+08	134113960	+	1.59E-39	3.9299E-37	0.301585	hyper	sig	chr5_134113960
chr2	70790482	70790482	+	1.599E-39	3.9486E-37	0.327655	hyper	sig	chr2_70790482
chr10	23200296	23200296	+	1.6E-39	3.9512E-37	0.440061	hyper	sig	chr10_23200296
chr13	1.13E+08	113420156	+	1.606E-39	3.9641E-37	-0.36757	hypo	sig	chr13_113420156
chr11	69867990	69867990	+	1.609E-39	3.971E-37	-0.36034	hypo	sig	chr11_69867990
chr3	1.47E+08	147423127	+	1.641E-39	4.0492E-37	0.365702	hyper	sig	chr3_147423127
chr7	4767883	4767883	+	1.661E-39	4.0971E-37	0.406666	hyper	sig	chr7_4767883
chr10	1.01E+08	100519946	+	1.673E-39	4.125E-37	0.367005	hyper	sig	chr10_100519946
chr6	1.61E+08	160767566	+	1.681E-39	4.1432E-37	0.309011	hyper	sig	chr6_160767566
chr2	1.31E+08	131423953	+	1.686E-39	4.1533E-37	-0.46981	hypo	sig	chr2_131423953
chr1	10672481	10672481	+	1.686E-39	4.1542E-37	0.497304	hyper	sig	chr1_10672481
chr1	1.44E+08	143905724	+	1.688E-39	4.155E-37	0.306251	hyper	sig	chr1_143905724
chr13	45714378	45714378	+	1.687E-39	4.155E-37	-0.42223	hypo	sig	chr13_45714378
chr3	1.54E+08	154429096	+	1.702E-39	4.1877E-37	0.346382	hyper	sig	chr3_154429096
chr7	27102818	27102818	+	1.725E-39	4.2437E-37	0.377801	hyper	sig	chr7_27102818
chr16	67966926	67966926	+	1.732E-39	4.26E-37	0.341785	hyper	sig	chr16_67966926
chr7	1.58E+08	157684263	+	1.791E-39	4.4042E-37	0.483953	hyper	sig	chr7_157684263
chr10	1.01E+08	100519706	+	1.806E-39	4.4402E-37	0.49379	hyper	sig	chr10_100519706
chr1	8212122	8212122	+	1.81E-39	4.4471E-37	-0.37761	hypo	sig	chr1_8212122

chr13	1.11E+08	110506572	+	1.81E-39	4.4471E-37	-0.43686	hypo	sig	chr13_110506572
chr13	38688021	38688021	+	1.813E-39	4.4515E-37	0.330551	hyper	sig	chr13_38688021
chr13	1.02E+08	101917507	+	1.826E-39	4.4827E-37	0.352817	hyper	sig	chr13_101917507
chr19	35558529	35558529	+	1.827E-39	4.4831E-37	0.454437	hyper	sig	chr19_35558529
chr7	71131391	71131391	+	1.862E-39	4.5687E-37	0.382399	hyper	sig	chr7_71131391
chr5	1.71E+08	171308260	+	1.889E-39	4.6333E-37	0.360178	hyper	sig	chr5_171308260
chr8	1.41E+08	141358228	+	1.9E-39	4.6589E-37	0.300143	hyper	sig	chr8_141358228
chr2	25252995	25252995	+	1.907E-39	4.6762E-37	0.402865	hyper	sig	chr2_25252995
chr14	90455324	90455324	+	1.921E-39	4.7073E-37	0.378787	hyper	sig	chr14_90455324
chr7	3302302	3302302	+	1.922E-39	4.7079E-37	0.299352	hyper	sig	chr7_3302302
chr5	1.72E+08	172097459	+	1.947E-39	4.7679E-37	0.366071	hyper	sig	chr5_172097459
chr17	15619583	15619583	+	1.961E-39	4.8016E-37	0.412828	hyper	sig	chr17_15619583
chr11	65356159	65356159	+	1.971E-39	4.8247E-37	0.376769	hyper	sig	chr11_65356159
chr12	1.33E+08	132904883	+	1.977E-39	4.8376E-37	0.319032	hyper	sig	chr12_132904883
chr17	64779505	64779505	+	2.01E-39	4.9174E-37	0.451597	hyper	sig	chr17_64779505
chr6	27864326	27864326	+	2.031E-39	4.9664E-37	0.329877	hyper	sig	chr6_27864326
chr4	1.51E+08	150583895	+	2.038E-39	4.9815E-37	0.402475	hyper	sig	chr4_150583895
chr1	14945835	14945835	+	2.064E-39	5.043E-37	0.361116	hyper	sig	chr1_14945835
chr19	2607905	2607905	+	2.064E-39	5.043E-37	-0.35011	hypo	sig	chr19_2607905
chr10	486469	486469	+	2.073E-39	5.0625E-37	0.328134	hyper	sig	chr10_486469
chr19	21474768	21474768	+	2.086E-39	5.0949E-37	0.365419	hyper	sig	chr19_21474768
chr13	36345537	36345537	+	2.091E-39	5.1037E-37	0.331776	hyper	sig	chr13_36345537
chr14	85534767	85534767	+	2.095E-39	5.1134E-37	0.380514	hyper	sig	chr14_85534767
chr17	57902742	57902742	+	2.102E-39	5.1286E-37	-0.36127	hypo	sig	chr17_57902742
chr7	229739	229739	+	2.118E-39	5.1647E-37	0.363216	hyper	sig	chr7_229739
chr19	52398054	52398054	+	2.144E-39	5.2287E-37	0.382974	hyper	sig	chr19_52398054
chr3	1.47E+08	147408137	+	2.162E-39	5.2691E-37	0.385965	hyper	sig	chr3_147408137
chr7	27106750	27106750	+	2.169E-39	5.2858E-37	0.472218	hyper	sig	chr7_27106750
chr19	23074517	23074517	+	2.174E-39	5.2952E-37	-0.4069	hypo	sig	chr19_23074517
chr8	1.16E+08	115648423	+	2.182E-39	5.313E-37	0.432274	hyper	sig	chr8_115648423
chr13	27924438	27924438	+	2.19E-39	5.3327E-37	0.44219	hyper	sig	chr13_27924438
chr9	91421126	91421126	+	2.198E-39	5.3501E-37	0.316507	hyper	sig	chr9_91421126
chr10	1.22E+08	121596557	+	2.222E-39	5.4071E-37	0.43157	hyper	sig	chr10_121596557
chr13	36297673	36297673	+	2.261E-39	5.4995E-37	0.332608	hyper	sig	chr13_36297673
chr5	11384626	11384626	+	2.266E-39	5.5105E-37	0.336037	hyper	sig	chr5_11384626
chr8	11736482	11736482	+	2.282E-39	5.5473E-37	-0.47236	hypo	sig	chr8_11736482
chr11	526355	526355	+	2.308E-39	5.6099E-37	-0.35309	hypo	sig	chr11_526355
chr6	1.49E+08	149485523	+	2.314E-39	5.6218E-37	-0.30722	hypo	sig	chr6_149485523
chr7	64574691	64574691	+	2.323E-39	5.6418E-37	0.374871	hyper	sig	chr7_64574691
chr5	37838354	37838354	+	2.324E-39	5.6423E-37	0.289567	hyper	sig	chr5_37838354
chr5	1.34E+08	134113902	+	2.325E-39	5.6424E-37	0.321469	hyper	sig	chr5_134113902
chr5	1.71E+08	171316947	+	2.333E-39	5.6596E-37	0.413281	hyper	sig	chr5_171316947
chr7	1.02E+08	102175990	+	2.333E-39	5.6596E-37	0.321592	hyper	sig	chr7_102175990
chr8	57143583	57143583	+	2.372E-39	5.7528E-37	0.428366	hyper	sig	chr8_57143583
chr11	45355430	45355430	+	2.424E-39	5.8766E-37	0.312827	hyper	sig	chr11_45355430
chr3	79767799	79767799	+	2.464E-39	5.9696E-37	0.334618	hyper	sig	chr3_79767799
chr6	29554004	29554004	+	2.464E-39	5.9696E-37	0.408246	hyper	sig	chr6_29554004
chr1	31939462	31939462	+	2.469E-39	5.9795E-37	-0.38787	hypo	sig	chr1_31939462
chr4	1.51E+08	150580475	+	2.469E-39	5.9795E-37	0.363195	hyper	sig	chr4_150580475
chr10	25176529	25176529	+	2.489E-39	6.0248E-37	0.290731	hyper	sig	chr10_25176529
chr17	48726872	48726872	+	2.493E-39	6.0322E-37	0.330275	hyper	sig	chr17_48726872
chr2	2.01E+08	201129072	+	2.503E-39	6.0551E-37	-0.38988	hypo	sig	chr2_201129072
chr10	683976	683976	+	2.525E-39	6.1063E-37	0.332549	hyper	sig	chr10_683976
chr14	1.05E+08	104637431	+	2.542E-39	6.1455E-37	-0.48143	hypo	sig	chr14_104637431
chr20	46247727	46247727	+	2.555E-39	6.1757E-37	-0.35899	hypo	sig	chr20_46247727
chr1	2.37E+08	237043262	+	2.58E-39	6.2352E-37	0.417501	hyper	sig	chr1_237043262

chr3	1.33E+08	133379648	+	2.582E-39	6.2381E-37	-0.35849	hypo	sig	chr3_133379648
chr19	58440156	58440156	+	2.591E-39	6.2577E-37	0.255489	hyper	sig	chr19_58440156
chr1	12144054	12144054	+	2.616E-39	6.3165E-37	-0.31527	hypo	sig	chr1_12144054
chr22	31104910	31104910	+	2.634E-39	6.3561E-37	0.411038	hyper	sig	chr22_31104910
chr7	1.51E+08	151408996	+	2.639E-39	6.3678E-37	-0.27714	hypo	sig	chr7_151408996
chr7	1055369	1055369	+	2.657E-39	6.4081E-37	0.406045	hyper	sig	chr7_1055369
chr6	27275244	27275244	+	2.664E-39	6.4228E-37	0.404233	hyper	sig	chr6_27275244
chr7	1.58E+08	157689523	+	2.664E-39	6.4228E-37	0.481196	hyper	sig	chr7_157689523
chr1	2E+08	200038481	+	2.675E-39	6.4426E-37	0.368484	hyper	sig	chr1_200038481
chr19	57888939	57888939	+	2.674E-39	6.4426E-37	0.338261	hyper	sig	chr19_57888939
chr19	58059051	58059051	+	2.675E-39	6.4426E-37	0.414692	hyper	sig	chr19_58059051
chr12	72273492	72273492	+	2.703E-39	6.5084E-37	0.377295	hyper	sig	chr12_72273492
chr9	35676163	35676163	+	2.717E-39	6.5413E-37	0.316327	hyper	sig	chr9_35676163
chr5	43034052	43034052	+	2.74E-39	6.5943E-37	0.398692	hyper	sig	chr5_43034052
chr17	81277527	81277527	+	2.757E-39	6.6314E-37	0.377478	hyper	sig	chr17_81277527
chr6	33080767	33080767	+	2.757E-39	6.6314E-37	0.491322	hyper	sig	chr6_33080767
chr22	46374166	46374166	+	2.799E-39	6.7269E-37	-0.42046	hypo	sig	chr22_46374166
chr19	16283830	16283830	+	2.827E-39	6.7933E-37	0.318378	hyper	sig	chr19_16283830
chr5	1.59E+08	159104519	+	2.859E-39	6.8681E-37	0.520837	hyper	sig	chr5_159104519
chr16	85847963	85847963	+	2.863E-39	6.8749E-37	-0.31651	hypo	sig	chr16_85847963
chr12	1.15E+08	114697198	+	2.925E-39	7.0232E-37	0.336381	hyper	sig	chr12_114697198
chr13	1.12E+08	111974134	+	2.939E-39	7.0548E-37	0.370776	hyper	sig	chr13_111974134
chr9	1.32E+08	132157858	+	2.981E-39	7.1521E-37	-0.41663	hypo	sig	chr9_132157858
chr13	36674112	36674112	+	2.988E-39	7.1669E-37	0.338599	hyper	sig	chr13_36674112
chr1	1165073	1165073	+	2.992E-39	7.1728E-37	-0.37058	hypo	sig	chr1_1165073
chr10	380432	380432	+	2.991E-39	7.1728E-37	0.355271	hyper	sig	chr10_380432
chr5	43034172	43034172	+	3.054E-39	7.3199E-37	0.394527	hyper	sig	chr5_43034172
chr13	36298018	36298018	+	3.072E-39	7.3588E-37	0.330438	hyper	sig	chr13_36298018
chr13	1.13E+08	113495824	+	3.093E-39	7.408E-37	0.327274	hyper	sig	chr13_113495824
chr2	45759433	45759433	+	3.099E-39	7.4204E-37	0.448522	hyper	sig	chr2_45759433
chr16	86513943	86513943	+	3.104E-39	7.4293E-37	0.449811	hyper	sig	chr16_86513943
chr8	1.44E+08	143939081	+	3.127E-39	7.482E-37	-0.33134	hypo	sig	chr8_143939081
chr5	1.16E+08	116361605	+	3.134E-39	7.4982E-37	0.513542	hyper	sig	chr5_116361605
chr3	49902774	49902774	+	3.14E-39	7.5088E-37	-0.34797	hypo	sig	chr3_49902774
chr8	56445604	56445604	+	3.142E-39	7.5114E-37	0.3668	hyper	sig	chr8_56445604
chr13	1.13E+08	113420494	+	3.212E-39	7.678E-37	-0.4162	hypo	sig	chr13_113420494
chr13	51248549	51248549	+	3.226E-39	7.708E-37	-0.35877	hypo	sig	chr13_51248549
chr7	1.38E+08	137998901	+	3.251E-39	7.7648E-37	0.372353	hyper	sig	chr7_137998901
chr1	1.62E+08	161722121	+	3.267E-39	7.7995E-37	-0.45496	hypo	sig	chr1_161722121
chr5	33936257	33936257	+	3.266E-39	7.7995E-37	0.353533	hyper	sig	chr5_33936257
chr6	27864320	27864320	+	3.298E-39	7.872E-37	0.321574	hyper	sig	chr6_27864320
chr2	2.39E+08	239308995	+	3.312E-39	7.9006E-37	0.337359	hyper	sig	chr2_239308995
chr7	1.58E+08	158042129	+	3.312E-39	7.9006E-37	-0.43365	hypo	sig	chr7_158042129
chr1	1.62E+08	161605886	+	3.325E-39	7.9289E-37	0.382028	hyper	sig	chr1_161605886
chr20	56925524	56925524	+	3.338E-39	7.9575E-37	0.373306	hyper	sig	chr20_56925524
chr11	8732823	8732823	+	3.35E-39	7.9831E-37	0.370456	hyper	sig	chr11_8732823
chr13	87674580	87674580	+	3.369E-39	8.0264E-37	0.383435	hyper	sig	chr13_87674580
chr15	92158655	92158655	+	3.371E-39	8.0275E-37	-0.42582	hypo	sig	chr15_92158655
chr8	48581305	48581305	+	3.374E-39	8.0343E-37	0.380709	hyper	sig	chr8_48581305
chr5	1.62E+08	161548796	+	3.376E-39	8.0359E-37	0.283353	hyper	sig	chr5_161548796
chr13	1.06E+08	106377095	+	3.387E-39	8.0588E-37	-0.43214	hypo	sig	chr13_106377095
chr5	38259112	38259112	+	3.388E-39	8.0608E-37	0.354462	hyper	sig	chr5_38259112
chr2	1.06E+08	105746366	+	3.41E-39	8.1086E-37	-0.32194	hypo	sig	chr2_105746366
chr8	23573311	23573311	+	3.418E-39	8.1267E-37	0.338995	hyper	sig	chr8_23573311
chr16	4687979	4687979	+	3.463E-39	8.2298E-37	0.39892	hyper	sig	chr16_4687979
chr1	1.97E+08	196808910	+	3.464E-39	8.2302E-37	-0.38581	hypo	sig	chr1_196808910

chr20	21509613	21509613	+	3.473E-39	8.2496E-37	0.360002	hyper	sig	chr20_21509613
chr1	92029401	92029401	+	3.482E-39	8.2683E-37	-0.30945	hypo	sig	chr1_92029401
chr10	1.23E+08	122845874	+	3.512E-39	8.3381E-37	0.29355	hyper	sig	chr10_122845874
chr12	72273456	72273456	+	3.523E-39	8.3604E-37	0.349338	hyper	sig	chr12_72273456
chr17	58157545	58157545	+	3.534E-39	8.3855E-37	0.362481	hyper	sig	chr17_58157545
chr13	94705507	94705507	+	3.54E-39	8.3961E-37	0.348143	hyper	sig	chr13_94705507
chr1	2.28E+08	227775614	+	3.545E-39	8.4059E-37	0.337913	hyper	sig	chr1_227775614
chr13	40175011	40175011	+	3.567E-39	8.4563E-37	-0.42493	hypo	sig	chr13_40175011
chr12	6636379	6636379	+	3.582E-39	8.4891E-37	-0.26127	hypo	sig	chr12_6636379
chr12	84912586	84912586	+	3.604E-39	8.5385E-37	0.412289	hyper	sig	chr12_84912586
chr1	12593774	12593774	+	3.608E-39	8.5458E-37	0.363885	hyper	sig	chr1_12593774
chr2	11777658	11777658	+	3.667E-39	8.6834E-37	-0.39476	hypo	sig	chr2_11777658
chr11	67573258	67573258	+	3.698E-39	8.754E-37	-0.45995	hypo	sig	chr11_67573258
chr17	15619562	15619562	+	3.743E-39	8.8572E-37	0.381316	hyper	sig	chr17_15619562
chr2	2.39E+08	239311417	+	3.758E-39	8.8915E-37	0.340416	hyper	sig	chr2_239311417
chr3	42265448	42265448	+	3.788E-39	8.9585E-37	0.374572	hyper	sig	chr3_42265448
chr16	88975674	88975674	+	3.826E-39	9.0454E-37	-0.39926	hypo	sig	chr16_88975674
chr2	2.22E+08	222304119	+	3.842E-39	9.0816E-37	0.379753	hyper	sig	chr2_222304119
chr19	1775239	1775239	+	3.855E-39	9.1101E-37	0.378242	hyper	sig	chr19_1775239
chr2	2.4E+08	239905413	+	3.869E-39	9.1386E-37	-0.3066	hypo	sig	chr2_239905413
chr19	57355699	57355699	+	3.871E-39	9.1411E-37	-0.39403	hypo	sig	chr19_57355699
chr1	3140063	3140063	+	3.876E-39	9.1508E-37	0.385317	hyper	sig	chr1_3140063
chr1	1.19E+08	119006532	+	3.882E-39	9.1632E-37	0.363379	hyper	sig	chr1_119006532
chr1	2E+08	200034220	+	3.89E-39	9.1787E-37	0.35051	hyper	sig	chr1_200034220
chr5	1.41E+08	141351800	+	3.895E-39	9.187E-37	0.379654	hyper	sig	chr5_141351800
chr17	80067779	80067779	+	3.911E-39	9.2221E-37	-0.38894	hypo	sig	chr17_80067779
chr16	15143912	15143912	+	3.935E-39	9.2764E-37	0.481773	hyper	sig	chr16_15143912
chr1	31772276	31772276	+	3.998E-39	9.4202E-37	0.369873	hyper	sig	chr1_31772276
chr6	1.7E+08	170141854	+	3.998E-39	9.4202E-37	-0.52462	hypo	sig	chr6_170141854
chr9	1.23E+08	123339120	+	4.02E-39	9.4692E-37	-0.43522	hypo	sig	chr9_123339120
chr13	1.1E+08	110308155	+	4.034E-39	9.4985E-37	0.334811	hyper	sig	chr13_110308155
chr14	62117560	62117560	+	4.054E-39	9.5429E-37	0.305461	hyper	sig	chr14_62117560
chr8	1.45E+08	144713243	+	4.06E-39	9.5537E-37	0.474401	hyper	sig	chr8_144713243
chr19	6534763	6534763	+	4.213E-39	9.9096E-37	0.396213	hyper	sig	chr19_6534763
chr6	1E+08	100464196	+	4.212E-39	9.9096E-37	0.340835	hyper	sig	chr6_100464196
chr11	31797906	31797906	+	4.219E-39	9.9193E-37	0.390686	hyper	sig	chr11_31797906
chr8	38450915	38450915	+	4.251E-39	9.992E-37	0.389343	hyper	sig	chr8_38450915
chr10	1478709	1478709	+	4.288E-39	1.0076E-36	-0.34967	hypo	sig	chr10_1478709
chr11	1.19E+08	118531671	+	4.314E-39	1.0136E-36	0.30039	hyper	sig	chr11_118531671
chr12	6551972	6551972	+	4.337E-39	1.0187E-36	0.345498	hyper	sig	chr12_6551972
chr7	35186148	35186148	+	4.352E-39	1.0219E-36	0.283687	hyper	sig	chr7_35186148
chr8	66432375	66432375	+	4.356E-39	1.0224E-36	0.326096	hyper	sig	chr8_66432375
chr16	81645363	81645363	+	4.378E-39	1.0273E-36	0.323177	hyper	sig	chr16_81645363
chr11	69086421	69086421	+	4.402E-39	1.0326E-36	0.380276	hyper	sig	chr11_69086421
chr10	93065816	93065816	+	4.407E-39	1.0336E-36	0.386859	hyper	sig	chr10_93065816
chr1	38044456	38044456	+	4.424E-39	1.0372E-36	0.370645	hyper	sig	chr1_38044456
chr7	4268740	4268740	+	4.449E-39	1.0427E-36	-0.37226	hypo	sig	chr7_4268740
chr20	885383	885383	+	4.459E-39	1.0448E-36	0.400082	hyper	sig	chr20_885383
chr21	36708800	36708800	+	4.464E-39	1.0458E-36	0.347511	hyper	sig	chr21_36708800
chr5	1.41E+08	140828559	+	4.492E-39	1.0519E-36	0.375757	hyper	sig	chr5_140828559
chr5	33936217	33936217	+	4.5E-39	1.0534E-36	0.345394	hyper	sig	chr5_33936217
chr8	96159712	96159712	+	4.544E-39	1.0634E-36	0.34787	hyper	sig	chr8_96159712
chr13	73061939	73061939	+	4.548E-39	1.0642E-36	-0.40624	hypo	sig	chr13_73061939
chr19	52453605	52453605	+	4.636E-39	1.0844E-36	0.352105	hyper	sig	chr19_52453605
chr6	83524653	83524653	+	4.662E-39	1.0903E-36	-0.3269	hypo	sig	chr6_83524653
chr11	56137303	56137303	+	4.674E-39	1.0926E-36	-0.38393	hypo	sig	chr11_56137303

chr7	1E+08	100177915	+	4.677E-39	1.093E-36	0.408021	hyper	sig	chr7_100177915
chr8	1.13E+08	113433684	+	4.692E-39	1.0963E-36	0.400471	hyper	sig	chr8_113433684
chr6	39323101	39323101	+	4.706E-39	1.0993E-36	-0.35943	hypo	sig	chr6_39323101
chr1	2.21E+08	220895769	+	4.713E-39	1.1005E-36	0.430299	hyper	sig	chr1_220895769
chr15	70049981	70049981	+	4.79E-39	1.1182E-36	0.329077	hyper	sig	chr15_70049981
chr9	1.3E+08	130186184	+	4.855E-39	1.133E-36	0.36517	hyper	sig	chr9_130186184
chr2	2.39E+08	238523699	+	4.874E-39	1.1372E-36	0.458342	hyper	sig	chr2_238523699
chr22	31602267	31602267	+	4.946E-39	1.1535E-36	0.350063	hyper	sig	chr22_31602267
chr11	94769636	94769636	+	4.954E-39	1.1552E-36	0.344532	hyper	sig	chr11_94769636
chr4	1.64E+08	164384164	+	4.97E-39	1.1585E-36	0.367535	hyper	sig	chr4_164384164
chr10	95415515	95415515	+	4.977E-39	1.1596E-36	0.365984	hyper	sig	chr10_95415515
chr7	1.43E+08	143388500	+	4.978E-39	1.1596E-36	0.292911	hyper	sig	chr7_143388500
chr12	52043736	52043736	+	4.98E-39	1.1599E-36	0.319028	hyper	sig	chr12_52043736
chr19	36245704	36245704	+	5.001E-39	1.1645E-36	0.364808	hyper	sig	chr19_36245704
chr9	35676169	35676169	+	5.004E-39	1.1648E-36	0.295923	hyper	sig	chr9_35676169
chr11	45209507	45209507	+	5.03E-39	1.1706E-36	0.409711	hyper	sig	chr11_45209507
chr1	1.44E+08	143905716	+	5.088E-39	1.1837E-36	0.299973	hyper	sig	chr1_143905716
chr17	81472127	81472127	+	5.152E-39	1.1981E-36	0.366853	hyper	sig	chr17_81472127
chr7	8441249	8441249	+	5.178E-39	1.204E-36	0.38911	hyper	sig	chr7_8441249
chr2	63055554	63055554	+	5.191E-39	1.2065E-36	0.44892	hyper	sig	chr2_63055554
chr16	85534672	85534672	+	5.225E-39	1.214E-36	0.268236	hyper	sig	chr16_85534672
chr1	1.71E+08	170661333	+	5.236E-39	1.2164E-36	0.270487	hyper	sig	chr1_170661333
chr7	1.59E+08	159144009	+	5.245E-39	1.2182E-36	0.367173	hyper	sig	chr7_159144009
chr16	88975660	88975660	+	5.26E-39	1.2212E-36	-0.41336	hypo	sig	chr16_88975660
chr5	51387577	51387577	+	5.262E-39	1.2213E-36	0.324352	hyper	sig	chr5_51387577
chr16	3305312	3305312	+	5.305E-39	1.231E-36	0.276078	hyper	sig	chr16_3305312
chr4	1.77E+08	176792133	+	5.369E-39	1.2455E-36	0.302439	hyper	sig	chr4_176792133
chr13	1.1E+08	109773549	+	5.407E-39	1.254E-36	-0.4644	hypo	sig	chr13_109773549
chr19	310514	310514	+	5.427E-39	1.2582E-36	0.39857	hyper	sig	chr19_310514
chr13	37869646	37869646	+	5.43E-39	1.2586E-36	0.343626	hyper	sig	chr13_37869646
chr19	57888957	57888957	+	5.442E-39	1.2609E-36	0.348952	hyper	sig	chr19_57888957
chr19	57888727	57888727	+	5.483E-39	1.2701E-36	0.291565	hyper	sig	chr19_57888727
chr13	1.14E+08	114005119	+	5.485E-39	1.2702E-36	-0.48758	hypo	sig	chr13_114005119
chr15	45704435	45704435	+	5.588E-39	1.2937E-36	0.329529	hyper	sig	chr15_45704435
chr14	56797569	56797569	+	5.621E-39	1.3006E-36	0.367787	hyper	sig	chr14_56797569
chr7	90118964	90118964	+	5.62E-39	1.3006E-36	0.319067	hyper	sig	chr7_90118964
chr12	1.14E+08	114444092	+	5.634E-39	1.303E-36	0.428224	hyper	sig	chr12_114444092
chr5	1.81E+08	181100549	+	5.635E-39	1.303E-36	0.313075	hyper	sig	chr5_181100549
chr19	57888785	57888785	+	5.668E-39	1.3102E-36	0.290968	hyper	sig	chr19_57888785
chr1	3140013	3140013	+	5.782E-39	1.3363E-36	0.393163	hyper	sig	chr1_3140013
chr8	58651885	58651885	+	5.834E-39	1.348E-36	0.317734	hyper	sig	chr8_58651885
chr7	4739734	4739734	+	5.905E-39	1.364E-36	0.397365	hyper	sig	chr7_4739734
chr7	1.55E+08	155466193	+	5.992E-39	1.3836E-36	0.367371	hyper	sig	chr7_155466193
chr5	1.46E+08	146342916	+	6.017E-39	1.3891E-36	0.36936	hyper	sig	chr5_146342916
chr10	1.3E+08	129969868	+	6.029E-39	1.3913E-36	0.302902	hyper	sig	chr10_129969868
chr17	19580314	19580314	+	6.043E-39	1.3944E-36	0.325795	hyper	sig	chr17_19580314
chr5	1.41E+08	141484968	+	6.122E-39	1.4121E-36	0.341962	hyper	sig	chr5_141484968
chr2	1.19E+08	118857939	+	6.125E-39	1.4124E-36	0.34098	hyper	sig	chr2_118857939
chr17	63968162	63968162	+	6.159E-39	1.4198E-36	-0.43196	hypo	sig	chr17_63968162
chr8	964572	964572	+	6.168E-39	1.4215E-36	0.3764	hyper	sig	chr8_964572
chr20	56005135	56005135	+	6.181E-39	1.424E-36	0.471316	hyper	sig	chr20_56005135
chr4	6322942	6322942	+	6.189E-39	1.4254E-36	-0.50059	hypo	sig	chr4_6322942
chr6	436651	436651	+	6.221E-39	1.4325E-36	-0.42316	hypo	sig	chr6_436651
chr3	49719089	49719089	+	6.238E-39	1.436E-36	0.288537	hyper	sig	chr3_49719089
chr7	4792499	4792499	+	6.315E-39	1.4533E-36	0.441781	hyper	sig	chr7_4792499
chr13	1.13E+08	113098368	+	6.347E-39	1.4601E-36	0.344523	hyper	sig	chr13_113098368

chr11	20671163	20671163	+	6.352E-39	1.461E-36	0.335833	hyper	sig	chr11_20671163
chr19	58009729	58009729	+	6.385E-39	1.4682E-36	0.329258	hyper	sig	chr19_58009729
chr3	1.72E+08	172449154	+	6.418E-39	1.4753E-36	0.343004	hyper	sig	chr3_172449154
chr16	54932597	54932597	+	6.436E-39	1.4791E-36	0.421974	hyper	sig	chr16_54932597
chr2	620044	620044	+	6.5E-39	1.4933E-36	-0.40385	hypo	sig	chr2_620044
chr17	81026876	81026876	+	6.554E-39	1.5052E-36	0.38737	hyper	sig	chr17_81026876
chr3	62378400	62378400	+	6.602E-39	1.5159E-36	0.324518	hyper	sig	chr3_62378400
chr11	1.08E+08	107929363	+	6.608E-39	1.5169E-36	0.326039	hyper	sig	chr11_107929363
chr11	1.35E+08	134913587	+	6.621E-39	1.5195E-36	-0.35811	hypo	sig	chr11_134913587
chr13	1.01E+08	101416710	+	6.668E-39	1.5296E-36	0.393562	hyper	sig	chr13_101416710
chr20	24470866	24470866	+	6.679E-39	1.5318E-36	0.354365	hyper	sig	chr20_24470866
chr1	1.11E+08	111271584	+	6.729E-39	1.5426E-36	0.362564	hyper	sig	chr1_111271584
chr4	1209865	1209865	+	6.73E-39	1.5426E-36	0.397496	hyper	sig	chr4_1209865
chr7	27124236	27124236	+	6.75E-39	1.5467E-36	0.397506	hyper	sig	chr7_27124236
chr6	1.13E+08	113223798	+	6.848E-39	1.5689E-36	-0.417	hypo	sig	chr6_113223798
chr11	47337641	47337641	+	6.885E-39	1.5767E-36	-0.39403	hypo	sig	chr11_47337641
chr1	37557083	37557083	+	6.888E-39	1.577E-36	0.369801	hyper	sig	chr1_37557083
chr1	85582853	85582853	+	6.936E-39	1.5876E-36	0.286781	hyper	sig	chr1_85582853
chr1	1.44E+08	143904673	+	6.969E-39	1.5948E-36	0.472468	hyper	sig	chr1_143904673
chr1	1.11E+08	111271586	+	7.099E-39	1.624E-36	0.345848	hyper	sig	chr1_111271586
chr4	42152869	42152869	+	7.114E-39	1.6269E-36	0.303073	hyper	sig	chr4_42152869
chr3	10819864	10819864	+	7.181E-39	1.6419E-36	-0.38607	hypo	sig	chr3_10819864
chr11	1.34E+08	133955677	+	7.199E-39	1.6455E-36	0.3659	hyper	sig	chr11_133955677
chr6	29793028	29793028	+	7.212E-39	1.648E-36	0.264034	hyper	sig	chr6_29793028
chr1	1.8E+08	179588660	+	7.25E-39	1.6562E-36	-0.34038	hypo	sig	chr1_179588660
chr17	34576698	34576698	+	7.269E-39	1.66E-36	-0.36933	hypo	sig	chr17_34576698
chr5	10649585	10649585	+	7.306E-39	1.6681E-36	0.46843	hyper	sig	chr5_10649585
chr6	1.66E+08	165686826	+	7.401E-39	1.6893E-36	0.263783	hyper	sig	chr6_165686826
chr7	85185809	85185809	+	7.442E-39	1.6981E-36	0.306467	hyper	sig	chr7_85185809
chr13	1.11E+08	110506589	+	7.543E-39	1.7206E-36	-0.39673	hypo	sig	chr13_110506589
chr1	2.33E+08	232869129	+	7.56E-39	1.7241E-36	-0.31241	hypo	sig	chr1_232869129
chr16	3654757	3654757	+	7.569E-39	1.7258E-36	-0.37284	hypo	sig	chr16_3654757
chr10	3127053	3127053	+	7.822E-39	1.7829E-36	0.420767	hyper	sig	chr10_3127053
chr1	2.21E+08	220895634	+	7.854E-39	1.7897E-36	0.461077	hyper	sig	chr1_220895634
chr2	8574278	8574278	+	7.91E-39	1.802E-36	-0.37763	hypo	sig	chr2_8574278
chr4	6028755	6028755	+	7.925E-39	1.8049E-36	-0.44882	hypo	sig	chr4_6028755
chr1	17766435	17766435	+	7.959E-39	1.8116E-36	-0.35426	hypo	sig	chr1_17766435
chr8	37891934	37891934	+	7.959E-39	1.8116E-36	-0.36889	hypo	sig	chr8_37891934
chr8	1.38E+08	138496624	+	7.968E-39	1.8131E-36	0.423669	hyper	sig	chr8_138496624
chr3	1.3E+08	129975313	+	7.988E-39	1.8172E-36	0.38399	hyper	sig	chr3_129975313
chr2	1.19E+08	118857960	+	8.008E-39	1.8212E-36	0.338877	hyper	sig	chr2_118857960
chr13	1.14E+08	114151844	+	8.03E-39	1.8257E-36	-0.31668	hypo	sig	chr13_114151844
chr1	1.65E+08	164576906	+	8.045E-39	1.8286E-36	0.506901	hyper	sig	chr1_164576906
chr11	1.29E+08	128824293	+	8.069E-39	1.833E-36	0.436717	hyper	sig	chr11_128824293
chr20	56004745	56004745	+	8.069E-39	1.833E-36	0.436978	hyper	sig	chr20_56004745
chr6	1.69E+08	169140639	+	8.088E-39	1.8369E-36	-0.35092	hypo	sig	chr6_169140639
chr6	26225362	26225362	+	8.093E-39	1.8374E-36	0.381576	hyper	sig	chr6_26225362
chr20	3798008	3798008	+	8.095E-39	1.8374E-36	-0.40681	hypo	sig	chr20_3798008
chr3	1.2E+08	120451536	+	8.101E-39	1.8381E-36	0.402859	hyper	sig	chr3_120451536
chr2	74418572	74418572	+	8.183E-39	1.8557E-36	0.306962	hyper	sig	chr2_74418572
chr6	1.69E+08	169429927	+	8.2E-39	1.8591E-36	-0.46859	hypo	sig	chr6_169429927
chr20	25082193	25082193	+	8.247E-39	1.8694E-36	0.430912	hyper	sig	chr20_25082193
chr8	1.04E+08	104467155	+	8.268E-39	1.8736E-36	0.316492	hyper	sig	chr8_104467155
chr16	30948114	30948114	+	8.559E-39	1.9389E-36	0.359798	hyper	sig	chr16_30948114
chr14	85534763	85534763	+	8.581E-39	1.9432E-36	0.375	hyper	sig	chr14_85534763
chr6	1.25E+08	125097325	+	8.689E-39	1.9672E-36	-0.37794	hypo	sig	chr6_125097325

chr1	6276672	6276672	+	8.696E-39	1.9682E-36	0.412244	hyper	sig	chr1_6276672
chr3	1.7E+08	169822353	+	8.737E-39	1.977E-36	-0.52738	hypo	sig	chr3_169822353
chr1	50428025	50428025	+	8.758E-39	1.9812E-36	0.331754	hyper	sig	chr1_50428025
chr4	1230859	1230859	+	8.769E-39	1.9832E-36	0.364257	hyper	sig	chr4_1230859
chr4	1.23E+08	122670365	+	8.803E-39	1.9903E-36	-0.39531	hypo	sig	chr4_122670365
chr18	74499068	74499068	+	8.807E-39	1.9907E-36	-0.35073	hypo	sig	chr18_74499068
chr11	1.13E+08	113264734	+	8.867E-39	2.0036E-36	-0.42902	hypo	sig	chr11_113264734
chr8	49909940	49909940	+	8.873E-39	2.0044E-36	0.319756	hyper	sig	chr8_49909940
chr13	94705545	94705545	+	8.921E-39	2.0147E-36	0.35821	hyper	sig	chr13_94705545
chr5	3592529	3592529	+	8.977E-39	2.0268E-36	0.342212	hyper	sig	chr5_3592529
chr10	23191338	23191338	+	9E-39	2.0314E-36	0.25105	hyper	sig	chr10_23191338
chr6	391240	391240	+	9.01E-39	2.0331E-36	0.302144	hyper	sig	chr6_391240
chr1	2.08E+08	207669842	+	9.107E-39	2.0539E-36	0.374326	hyper	sig	chr1_207669842
chr16	67982360	67982360	+	9.106E-39	2.0539E-36	-0.37561	hypo	sig	chr16_67982360
chr11	628732	628732	+	9.213E-39	2.0771E-36	-0.40865	hypo	sig	chr11_628732
chr15	90004829	90004829	+	9.277E-39	2.0909E-36	-0.42391	hypo	sig	chr15_90004829
chr1	6276465	6276465	+	9.295E-39	2.0945E-36	0.396705	hyper	sig	chr1_6276465
chr19	37551570	37551570	+	9.391E-39	2.1156E-36	0.348591	hyper	sig	chr19_37551570
chr5	1.46E+08	146379248	+	9.441E-39	2.1262E-36	0.390253	hyper	sig	chr5_146379248
chr9	91421061	91421061	+	9.495E-39	2.1378E-36	0.330723	hyper	sig	chr9_91421061
chr7	1761949	1761949	+	9.5E-39	2.1384E-36	-0.51725	hypo	sig	chr7_1761949
chr5	1876197	1876197	+	9.565E-39	2.1524E-36	0.354316	hyper	sig	chr5_1876197
chr5	1.44E+08	143820590	+	9.598E-39	2.1593E-36	-0.4244	hypo	sig	chr5_143820590
chr17	48727004	48727004	+	9.645E-39	2.1692E-36	0.340701	hyper	sig	chr17_48727004
chr16	86565276	86565276	+	9.682E-39	2.1769E-36	0.340781	hyper	sig	chr16_86565276
chr1	1.62E+08	161605957	+	9.761E-39	2.1941E-36	0.404977	hyper	sig	chr1_161605957
chr2	2.37E+08	237451589	+	9.84E-39	2.2111E-36	0.360169	hyper	sig	chr2_237451589
chr2	27308667	27308667	+	9.853E-39	2.2135E-36	0.355874	hyper	sig	chr2_27308667
chr13	1.13E+08	113110257	+	9.877E-39	2.2184E-36	0.547861	hyper	sig	chr13_113110257
chr1	2334960	2334960	+	9.95E-39	2.234E-36	-0.36706	hypo	sig	chr1_2334960
chr8	49910988	49910988	+	9.967E-39	2.2372E-36	0.364236	hyper	sig	chr8_49910988
chr2	2.41E+08	241035500	+	9.984E-39	2.2405E-36	0.367249	hyper	sig	chr2_241035500
chr8	66963206	66963206	+	1.001E-38	2.2463E-36	0.311499	hyper	sig	chr8_66963206
chr1	2.21E+08	220895403	+	1.004E-38	2.2529E-36	0.345342	hyper	sig	chr1_220895403
chr19	36797413	36797413	+	1.013E-38	2.2719E-36	0.326556	hyper	sig	chr19_36797413
chr7	27108646	27108646	+	1.019E-38	2.285E-36	0.4759	hyper	sig	chr7_27108646
chr11	71206490	71206490	+	1.026E-38	2.2984E-36	0.399013	hyper	sig	chr11_71206490
chr2	2.42E+08	241852789	+	1.028E-38	2.3021E-36	-0.33404	hypo	sig	chr2_241852789
chr13	1.1E+08	110150621	+	1.028E-38	2.3028E-36	-0.3917	hypo	sig	chr13_110150621
chr7	27106660	27106660	+	1.033E-38	2.3131E-36	0.447097	hyper	sig	chr7_27106660
chr16	23838793	23838793	+	1.045E-38	2.3394E-36	-0.42074	hypo	sig	chr16_23838793
chr1	1.65E+08	164576908	+	1.062E-38	2.3766E-36	0.513476	hyper	sig	chr1_164576908
chr11	2708861	2708861	+	1.065E-38	2.3828E-36	0.410282	hyper	sig	chr11_2708861
chr17	77477852	77477852	+	1.082E-38	2.4203E-36	0.346689	hyper	sig	chr17_77477852
chr7	3302070	3302070	+	1.083E-38	2.4225E-36	0.322445	hyper	sig	chr7_3302070
chr6	10417422	10417422	+	1.084E-38	2.4239E-36	0.345431	hyper	sig	chr6_10417422
chr9	95459662	95459662	+	1.09E-38	2.4349E-36	0.46164	hyper	sig	chr9_95459662
chr2	1.2E+08	120466244	+	1.094E-38	2.4433E-36	-0.35344	hypo	sig	chr2_120466244
chr3	48425320	48425320	+	1.098E-38	2.452E-36	0.353732	hyper	sig	chr3_48425320
chr3	11557553	11557553	+	1.103E-38	2.4632E-36	0.388272	hyper	sig	chr3_11557553
chr13	25046889	25046889	+	1.108E-38	2.4743E-36	0.391798	hyper	sig	chr13_25046889
chr19	16283834	16283834	+	1.115E-38	2.4878E-36	0.319986	hyper	sig	chr19_16283834
chr18	57439941	57439941	+	1.115E-38	2.4884E-36	0.320376	hyper	sig	chr18_57439941
chr9	1.31E+08	131034877	+	1.124E-38	2.5073E-36	-0.4418	hypo	sig	chr9_131034877
chr11	2807098	2807098	+	1.131E-38	2.521E-36	0.35543	hyper	sig	chr11_2807098
chr16	67163277	67163277	+	1.133E-38	2.5254E-36	0.374122	hyper	sig	chr16_67163277

chr2	1.21E+08	120810300	+	1.133E-38	2.5254E-36	-0.40506	hypo	sig	chr2_120810300
chr11	1.12E+08	111540208	+	1.135E-38	2.5297E-36	0.393476	hyper	sig	chr11_111540208
chr13	93227388	93227388	+	1.136E-38	2.5303E-36	0.420448	hyper	sig	chr13_93227388
chr10	810524	810524	+	1.137E-38	2.5312E-36	0.322543	hyper	sig	chr10_810524
chr5	10649594	10649594	+	1.14E-38	2.5381E-36	0.48645	hyper	sig	chr5_10649594
chr3	1.35E+08	134651363	+	1.141E-38	2.5383E-36	0.297117	hyper	sig	chr3_134651363
chr1	2892309	2892309	+	1.143E-38	2.5429E-36	0.37162	hyper	sig	chr1_2892309
chr7	868160	868160	+	1.148E-38	2.5533E-36	0.324188	hyper	sig	chr7_868160
chr13	20223420	20223420	+	1.149E-38	2.5543E-36	-0.3645	hypo	sig	chr13_20223420
chr2	1.6E+08	159905164	+	1.166E-38	2.5924E-36	-0.25228	hypo	sig	chr2_159905164
chr22	36860905	36860905	+	1.168E-38	2.5965E-36	-0.2437	hypo	sig	chr22_36860905
chr11	20163095	20163095	+	1.169E-38	2.5972E-36	0.314744	hyper	sig	chr11_20163095
chr16	51151475	51151475	+	1.188E-38	2.6399E-36	0.304032	hyper	sig	chr16_51151475
chr12	84911982	84911982	+	1.208E-38	2.6815E-36	0.240957	hyper	sig	chr12_84911982
chr16	51156331	51156331	+	1.216E-38	2.7E-36	0.443355	hyper	sig	chr16_51156331
chr21	44967152	44967152	+	1.223E-38	2.7145E-36	0.435076	hyper	sig	chr21_44967152
chr20	21509584	21509584	+	1.228E-38	2.7247E-36	0.364717	hyper	sig	chr20_21509584
chr7	50303695	50303695	+	1.24E-38	2.7506E-36	0.385555	hyper	sig	chr7_50303695
chr1	1.13E+08	112850554	+	1.242E-38	2.7553E-36	-0.37152	hypo	sig	chr1_112850554
chr3	13637568	13637568	+	1.252E-38	2.7768E-36	-0.37601	hypo	sig	chr3_13637568
chr2	25252954	25252954	+	1.253E-38	2.7774E-36	0.448156	hyper	sig	chr2_25252954
chr7	5533172	5533172	+	1.259E-38	2.7893E-36	-0.37001	hypo	sig	chr7_5533172
chr13	1.02E+08	101917505	+	1.284E-38	2.8451E-36	0.35332	hyper	sig	chr13_101917505
chr2	25252959	25252959	+	1.287E-38	2.8494E-36	0.438395	hyper	sig	chr2_25252959
chr3	1.54E+08	154429112	+	1.291E-38	2.8576E-36	0.330397	hyper	sig	chr3_154429112
chr19	53254795	53254795	+	1.297E-38	2.8702E-36	0.415955	hyper	sig	chr19_53254795
chr7	27124240	27124240	+	1.299E-38	2.8754E-36	0.385688	hyper	sig	chr7_27124240
chr16	67982342	67982342	+	1.302E-38	2.8807E-36	-0.4104	hypo	sig	chr16_67982342
chr2	44933275	44933275	+	1.309E-38	2.8946E-36	0.427252	hyper	sig	chr2_44933275
chr12	1.25E+08	124621230	+	1.332E-38	2.9443E-36	0.360656	hyper	sig	chr12_124621230
chr16	1266184	1266184	+	1.332E-38	2.9443E-36	-0.43245	hypo	sig	chr16_1266184
chr10	1.05E+08	104640909	+	1.34E-38	2.9618E-36	0.396367	hyper	sig	chr10_104640909
chr12	72273363	72273363	+	1.341E-38	2.9626E-36	0.357168	hyper	sig	chr12_72273363
chr7	5349677	5349677	+	1.348E-38	2.9776E-36	0.346814	hyper	sig	chr7_5349677
chr4	20253723	20253723	+	1.352E-38	2.9851E-36	0.314821	hyper	sig	chr4_20253723
chr7	1.55E+08	155462441	+	1.354E-38	2.9878E-36	0.416307	hyper	sig	chr7_155462441
chr2	45004794	45004794	+	1.365E-38	3.0112E-36	0.362283	hyper	sig	chr2_45004794
chr5	2683855	2683855	+	1.371E-38	3.0243E-36	-0.38193	hypo	sig	chr5_2683855
chr1	92029383	92029383	+	1.382E-38	3.0478E-36	-0.29418	hypo	sig	chr1_92029383
chr7	25859548	25859548	+	1.384E-38	3.0513E-36	-0.39526	hypo	sig	chr7_25859548
chr19	36791597	36791597	+	1.386E-38	3.0555E-36	0.37896	hyper	sig	chr19_36791597
chr7	1.55E+08	155400603	+	1.387E-38	3.0567E-36	-0.47638	hypo	sig	chr7_155400603
chr3	49902667	49902667	+	1.391E-38	3.064E-36	-0.41767	hypo	sig	chr3_49902667
chr20	21517707	21517707	+	1.398E-38	3.0796E-36	0.382439	hyper	sig	chr20_21517707
chr15	28107415	28107415	+	1.412E-38	3.1102E-36	0.342839	hyper	sig	chr15_28107415
chr6	391206	391206	+	1.433E-38	3.1546E-36	0.379198	hyper	sig	chr6_391206
chr1	50417696	50417696	+	1.444E-38	3.1785E-36	0.349346	hyper	sig	chr1_50417696
chr22	31104959	31104959	+	1.451E-38	3.1926E-36	0.439909	hyper	sig	chr22_31104959
chr19	58203930	58203930	+	1.46E-38	3.211E-36	0.395095	hyper	sig	chr19_58203930
chr7	70596670	70596670	+	1.469E-38	3.2296E-36	-0.38984	hypo	sig	chr7_70596670
chr5	1.77E+08	177495963	+	1.487E-38	3.2687E-36	0.258326	hyper	sig	chr5_177495963
chr5	33936109	33936109	+	1.493E-38	3.2818E-36	0.298153	hyper	sig	chr5_33936109
chr11	1.34E+08	134069759	+	1.494E-38	3.2824E-36	0.491594	hyper	sig	chr11_134069759
chr2	23617685	23617685	+	1.497E-38	3.2878E-36	0.396723	hyper	sig	chr2_23617685
chr10	633459	633459	+	1.502E-38	3.2987E-36	0.363528	hyper	sig	chr10_633459
chr7	1.01E+08	100865924	+	1.503E-38	3.2987E-36	-0.52407	hypo	sig	chr7_100865924

chr1	2.21E+08	220895797	+	1.522E-38	3.3406E-36	0.422652	hyper	sig	chr1_220895797
chr8	68331284	68331284	+	1.534E-38	3.3657E-36	0.433128	hyper	sig	chr8_68331284
chr11	94769375	94769375	+	1.545E-38	3.3884E-36	0.287321	hyper	sig	chr11_94769375
chr10	1.01E+08	101139505	+	1.551E-38	3.401E-36	0.368656	hyper	sig	chr10_101139505
chr10	23694982	23694982	+	1.553E-38	3.4054E-36	0.413443	hyper	sig	chr10_23694982
chr16	81645347	81645347	+	1.556E-38	3.4107E-36	0.330906	hyper	sig	chr16_81645347
chr6	1.63E+08	163300826	+	1.563E-38	3.4253E-36	-0.38952	hypo	sig	chr6_163300826
chr8	56445727	56445727	+	1.565E-38	3.4288E-36	0.341714	hyper	sig	chr8_56445727
chr20	58184026	58184026	+	1.578E-38	3.4561E-36	-0.41131	hypo	sig	chr20_58184026
chr8	66962150	66962150	+	1.58E-38	3.4586E-36	0.37258	hyper	sig	chr8_66962150
chr17	42653844	42653844	+	1.587E-38	3.4748E-36	0.353149	hyper	sig	chr17_42653844
chr1	2.43E+08	242525331	+	1.593E-38	3.4861E-36	0.355298	hyper	sig	chr1_242525331
chr10	1478701	1478701	+	1.595E-38	3.4904E-36	-0.36022	hypo	sig	chr10_1478701
chr17	6755387	6755387	+	1.606E-38	3.5134E-36	0.414014	hyper	sig	chr17_6755387
chr2	2.32E+08	232419671	+	1.659E-38	3.6284E-36	0.396091	hyper	sig	chr2_232419671
chr12	84912562	84912562	+	1.662E-38	3.6327E-36	0.361735	hyper	sig	chr12_84912562
chr12	53930764	53930764	+	1.663E-38	3.6341E-36	0.429896	hyper	sig	chr12_53930764
chr14	36663924	36663924	+	1.667E-38	3.6431E-36	0.344725	hyper	sig	chr14_36663924
chr8	70070811	70070811	+	1.669E-38	3.6456E-36	0.328151	hyper	sig	chr8_70070811
chr14	41606351	41606351	+	1.684E-38	3.6783E-36	0.323833	hyper	sig	chr14_41606351
chr13	27928327	27928327	+	1.692E-38	3.6931E-36	0.544823	hyper	sig	chr13_27928327
chr11	3123573	3123573	+	1.702E-38	3.7153E-36	0.440793	hyper	sig	chr11_3123573
chr5	1.46E+08	146342905	+	1.715E-38	3.7408E-36	0.343905	hyper	sig	chr5_146342905
chr17	79981339	79981339	+	1.721E-38	3.753E-36	0.313013	hyper	sig	chr17_79981339
chr8	97277906	97277906	+	1.751E-38	3.8184E-36	0.341101	hyper	sig	chr8_97277906
chr6	98825704	98825704	+	1.752E-38	3.8201E-36	0.347724	hyper	sig	chr6_98825704
chr2	74418578	74418578	+	1.762E-38	3.8394E-36	0.310367	hyper	sig	chr2_74418578
chr9	98118683	98118683	+	1.762E-38	3.8394E-36	-0.35233	hypo	sig	chr9_98118683
chr19	2424827	2424827	+	1.77E-38	3.8549E-36	0.42482	hyper	sig	chr19_2424827
chr3	1.22E+08	122184769	+	1.774E-38	3.8639E-36	0.376345	hyper	sig	chr3_122184769
chr6	1.27E+08	127119617	+	1.785E-38	3.8866E-36	0.297255	hyper	sig	chr6_127119617
chr22	29581753	29581753	+	1.81E-38	3.9407E-36	-0.34422	hypo	sig	chr22_29581753
chr7	1.56E+08	155824694	+	1.819E-38	3.9585E-36	-0.34214	hypo	sig	chr7_155824694
chr3	45026314	45026314	+	1.82E-38	3.9588E-36	0.308082	hyper	sig	chr3_45026314
chr1	8373008	8373008	+	1.828E-38	3.9753E-36	0.419149	hyper	sig	chr1_8373008
chr4	1.7E+08	170091296	+	1.828E-38	3.9753E-36	-0.51296	hypo	sig	chr4_170091296
chr10	486360	486360	+	1.849E-38	4.0189E-36	0.319309	hyper	sig	chr10_486360
chr19	50188184	50188184	+	1.851E-38	4.0224E-36	-0.43505	hypo	sig	chr19_50188184
chr19	12156861	12156861	+	1.858E-38	4.0375E-36	0.295062	hyper	sig	chr19_12156861
chr16	86513973	86513973	+	1.88E-38	4.0827E-36	0.469421	hyper	sig	chr16_86513973
chr13	27927067	27927067	+	1.881E-38	4.085E-36	0.45939	hyper	sig	chr13_27927067
chr7	4203330	4203330	+	1.891E-38	4.1057E-36	-0.3885	hypo	sig	chr7_4203330
chr7	25858105	25858105	+	1.898E-38	4.1198E-36	-0.35634	hypo	sig	chr7_25858105
chr17	77409780	77409780	+	1.916E-38	4.1563E-36	0.423436	hyper	sig	chr17_77409780
chr15	1.01E+08	101401413	+	1.926E-38	4.1786E-36	0.50078	hyper	sig	chr15_101401413
chr4	8191655	8191655	+	1.933E-38	4.1914E-36	-0.38415	hypo	sig	chr4_8191655
chr4	21303867	21303867	+	1.934E-38	4.1933E-36	-0.26902	hypo	sig	chr4_21303867
chr13	1.12E+08	112105446	+	1.935E-38	4.1935E-36	0.527952	hyper	sig	chr13_112105446
chr11	6418595	6418595	+	1.96E-38	4.2471E-36	0.442365	hyper	sig	chr11_6418595
chr1	31772278	31772278	+	1.991E-38	4.3119E-36	0.369522	hyper	sig	chr1_31772278
chr10	1.01E+08	101134519	+	1.993E-38	4.3155E-36	0.344086	hyper	sig	chr10_101134519
chr1	1.19E+08	118986715	+	1.994E-38	4.3176E-36	0.360416	hyper	sig	chr1_118986715
chr21	36695716	36695716	+	2.008E-38	4.3455E-36	0.346989	hyper	sig	chr21_36695716
chr1	50417753	50417753	+	2.01E-38	4.3495E-36	0.362095	hyper	sig	chr1_50417753
chr14	77140605	77140605	+	2.016E-38	4.3619E-36	0.331375	hyper	sig	chr14_77140605
chr19	58009717	58009717	+	2.019E-38	4.3674E-36	0.341426	hyper	sig	chr19_58009717

chr14	1.05E+08	104844672	+	2.021E-38	4.369E-36	0.317274	hyper	sig	chr14_104844672
chr2	74515182	74515182	+	2.025E-38	4.3767E-36	0.399452	hyper	sig	chr2_74515182
chr19	15264563	15264563	+	2.027E-38	4.381E-36	0.324691	hyper	sig	chr19_15264563
chr5	1.75E+08	174731981	+	2.029E-38	4.3829E-36	0.328035	hyper	sig	chr5_174731981
chr3	1.43E+08	143121088	+	2.056E-38	4.4415E-36	0.301668	hyper	sig	chr3_143121088
chr16	58464690	58464690	+	2.067E-38	4.4638E-36	0.311985	hyper	sig	chr16_58464690
chr6	1.7E+08	170081805	+	2.074E-38	4.4779E-36	-0.3129	hypo	sig	chr6_170081805
chr8	70070770	70070770	+	2.087E-38	4.5046E-36	0.38026	hyper	sig	chr8_70070770
chr1	1.58E+08	158181585	+	2.113E-38	4.5581E-36	0.348327	hyper	sig	chr1_158181585
chr10	93065790	93065790	+	2.114E-38	4.56E-36	0.38927	hyper	sig	chr10_93065790
chr8	61287881	61287881	+	2.126E-38	4.5834E-36	0.371331	hyper	sig	chr8_61287881
chr11	69294501	69294501	+	2.142E-38	4.618E-36	-0.45337	hypo	sig	chr11_69294501
chr7	65869553	65869553	+	2.168E-38	4.6718E-36	-0.49484	hypo	sig	chr7_65869553
chr13	24932071	24932071	+	2.19E-38	4.7189E-36	0.350408	hyper	sig	chr13_24932071
chr5	1.51E+08	150946400	+	2.202E-38	4.7433E-36	0.428833	hyper	sig	chr5_150946400
chr17	82297632	82297632	+	2.207E-38	4.7534E-36	-0.2234	hypo	sig	chr17_82297632
chr11	79486500	79486500	+	2.228E-38	4.796E-36	-0.35949	hypo	sig	chr11_79486500
chr1	2.28E+08	228423568	+	2.241E-38	4.8243E-36	-0.33688	hypo	sig	chr1_228423568
chr5	1794605	1794605	+	2.249E-38	4.8373E-36	-0.43063	hypo	sig	chr5_1794605
chr7	69599871	69599871	+	2.249E-38	4.8373E-36	0.366432	hyper	sig	chr7_69599871
chr11	71339299	71339299	+	2.279E-38	4.9021E-36	0.351334	hyper	sig	chr11_71339299
chr1	2.21E+08	220884342	+	2.297E-38	4.938E-36	0.465505	hyper	sig	chr1_220884342
chr16	89048216	89048216	+	2.299E-38	4.9424E-36	0.349458	hyper	sig	chr16_89048216
chr4	1.84E+08	184001466	+	2.303E-38	4.9486E-36	-0.35149	hypo	sig	chr4_184001466
chr2	2.39E+08	239309191	+	2.306E-38	4.9543E-36	0.370903	hyper	sig	chr2_239309191
chr17	44948271	44948271	+	2.308E-38	4.9581E-36	0.333054	hyper	sig	chr17_44948271
chr11	27722949	27722949	+	2.324E-38	4.9895E-36	0.335827	hyper	sig	chr11_27722949
chr16	2130149	2130149	+	2.333E-38	5.0079E-36	0.387785	hyper	sig	chr16_2130149
chr20	2559167	2559167	+	2.347E-38	5.0369E-36	0.318674	hyper	sig	chr20_2559167
chr7	1.55E+08	155373595	+	2.357E-38	5.0578E-36	0.304433	hyper	sig	chr7_155373595
chr12	1.31E+08	131106003	+	2.36E-38	5.0625E-36	-0.39901	hypo	sig	chr12_131106003
chr11	71206285	71206285	+	2.376E-38	5.0941E-36	0.387598	hyper	sig	chr11_71206285
chr19	39308428	39308428	+	2.389E-38	5.1223E-36	0.422858	hyper	sig	chr19_39308428
chr1	90724458	90724458	+	2.396E-38	5.1363E-36	0.436427	hyper	sig	chr1_90724458
chr10	1.01E+08	100830420	+	2.402E-38	5.1459E-36	0.388977	hyper	sig	chr10_100830420
chr7	27102667	27102667	+	2.415E-38	5.174E-36	0.385169	hyper	sig	chr7_27102667
chr4	1.55E+08	155208017	+	2.417E-38	5.177E-36	0.250574	hyper	sig	chr4_155208017
chr7	27115923	27115923	+	2.418E-38	5.1777E-36	0.417328	hyper	sig	chr7_27115923
chr15	25678526	25678526	+	2.424E-38	5.1882E-36	-0.36508	hypo	sig	chr15_25678526
chr17	80942732	80942732	+	2.431E-38	5.2024E-36	0.489161	hyper	sig	chr17_80942732
chr11	27721682	27721682	+	2.444E-38	5.2291E-36	0.342924	hyper	sig	chr11_27721682
chr17	79985993	79985993	+	2.477E-38	5.2973E-36	-0.33003	hypo	sig	chr17_79985993
chr6	31728928	31728928	+	2.477E-38	5.2973E-36	0.288168	hyper	sig	chr6_31728928
chr11	94769323	94769323	+	2.481E-38	5.3041E-36	0.279844	hyper	sig	chr11_94769323
chr5	1.78E+08	178121635	+	2.49E-38	5.3223E-36	0.47324	hyper	sig	chr5_178121635
chr8	66432272	66432272	+	2.495E-38	5.3307E-36	0.355267	hyper	sig	chr8_66432272
chr14	90455322	90455322	+	2.539E-38	5.4226E-36	0.37796	hyper	sig	chr14_90455322
chr20	45297966	45297966	+	2.541E-38	5.426E-36	-0.45022	hypo	sig	chr20_45297966
chr6	1.68E+08	168117102	+	2.551E-38	5.4469E-36	-0.39851	hypo	sig	chr6_168117102
chr1	2073876	2073876	+	2.562E-38	5.4687E-36	0.430925	hyper	sig	chr1_2073876
chr11	20160576	20160576	+	2.575E-38	5.4937E-36	0.300945	hyper	sig	chr11_20160576
chr7	93890055	93890055	+	2.577E-38	5.4967E-36	0.284858	hyper	sig	chr7_93890055
chr16	86513957	86513957	+	2.588E-38	5.5191E-36	0.442621	hyper	sig	chr16_86513957
chr13	37105841	37105841	+	2.589E-38	5.5201E-36	-0.31711	hypo	sig	chr13_37105841
chr12	1.07E+08	106582840	+	2.592E-38	5.5238E-36	0.268479	hyper	sig	chr12_106582840
chr6	29792226	29792226	+	2.597E-38	5.5342E-36	0.350869	hyper	sig	chr6_29792226

chr7	1.49E+08	149415216	+	2.602E-38	5.5433E-36	0.374347	hyper	sig	chr7_149415216
chr5	1.79E+08	178941647	+	2.626E-38	5.5921E-36	0.373093	hyper	sig	chr5_178941647
chr1	1.44E+08	143905699	+	2.64E-38	5.622E-36	0.291996	hyper	sig	chr1_143905699
chr4	10108539	10108539	+	2.652E-38	5.6459E-36	0.301242	hyper	sig	chr4_10108539
chr16	72947642	72947642	+	2.659E-38	5.6583E-36	0.427513	hyper	sig	chr16_72947642
chr1	32753679	32753679	+	2.727E-38	5.8008E-36	0.414283	hyper	sig	chr1_32753679
chr1	1.81E+08	180913528	+	2.727E-38	5.8008E-36	0.359248	hyper	sig	chr1_180913528
chr20	44748938	44748938	+	2.733E-38	5.8125E-36	-0.39481	hypo	sig	chr20_44748938
chr13	23620377	23620377	+	2.752E-38	5.8498E-36	-0.41516	hypo	sig	chr13_23620377
chr20	5010382	5010382	+	2.756E-38	5.8579E-36	-0.33875	hypo	sig	chr20_5010382
chr19	19529150	19529150	+	2.766E-38	5.8764E-36	0.459115	hyper	sig	chr19_19529150
chr7	18087371	18087371	+	2.784E-38	5.9146E-36	0.314647	hyper	sig	chr7_18087371
chr6	30110553	30110553	+	2.789E-38	5.9222E-36	-0.39964	hypo	sig	chr6_30110553
chr14	41606504	41606504	+	2.795E-38	5.9349E-36	0.338504	hyper	sig	chr14_41606504
chr11	65355914	65355914	+	2.809E-38	5.9599E-36	0.385261	hyper	sig	chr11_65355914
chr3	1.7E+08	169822323	+	2.809E-38	5.9599E-36	-0.49802	hypo	sig	chr3_169822323
chr8	64798233	64798233	+	2.813E-38	5.967E-36	0.365836	hyper	sig	chr8_64798233
chr19	4555966	4555966	+	2.821E-38	5.9823E-36	-0.41288	hypo	sig	chr19_4555966
chr8	1.45E+08	144713207	+	2.83E-38	6.0003E-36	0.450998	hyper	sig	chr8_144713207
chr19	18274599	18274599	+	2.833E-38	6.005E-36	-0.31757	hypo	sig	chr19_18274599
chr6	1.66E+08	165856879	+	2.848E-38	6.0351E-36	-0.34683	hypo	sig	chr6_165856879
chr1	1.62E+08	161605926	+	2.865E-38	6.0704E-36	0.370317	hyper	sig	chr1_161605926
chr12	6820425	6820425	+	2.908E-38	6.1602E-36	-0.39389	hypo	sig	chr12_6820425
chr10	1.2E+08	119544153	+	2.913E-38	6.1694E-36	0.413484	hyper	sig	chr10_119544153
chr7	1.43E+08	143392393	+	2.921E-38	6.1844E-36	0.369982	hyper	sig	chr7_143392393
chr13	77919637	77919637	+	2.93E-38	6.2021E-36	0.410462	hyper	sig	chr13_77919637
chr5	16179116	16179116	+	2.954E-38	6.251E-36	0.342125	hyper	sig	chr5_16179116
chr17	80067748	80067748	+	2.958E-38	6.2567E-36	-0.38549	hypo	sig	chr17_80067748
chr19	12156669	12156669	+	2.975E-38	6.2917E-36	0.26607	hyper	sig	chr19_12156669
chr13	21319164	21319164	+	2.98E-38	6.2982E-36	0.453891	hyper	sig	chr13_21319164
chr3	1.25E+08	125357604	+	2.98E-38	6.2982E-36	0.360722	hyper	sig	chr3_125357604
chr9	1.35E+08	135211173	+	2.988E-38	6.3145E-36	-0.36335	hypo	sig	chr9_135211173
chr16	1255682	1255682	+	2.99E-38	6.3158E-36	-0.36194	hypo	sig	chr16_1255682
chr7	55018473	55018473	+	2.992E-38	6.3197E-36	0.355027	hyper	sig	chr7_55018473
chr3	6862418	6862418	+	3.001E-38	6.3363E-36	0.377143	hyper	sig	chr3_6862418
chr1	3140010	3140010	+	3.01E-38	6.3548E-36	0.400447	hyper	sig	chr1_3140010
chr2	1633284	1633284	+	3.026E-38	6.3855E-36	-0.48047	hypo	sig	chr2_1633284
chr16	70687793	70687793	+	3.085E-38	6.5086E-36	0.30695	hyper	sig	chr16_70687793
chr3	1.41E+08	141412363	+	3.086E-38	6.5095E-36	0.3026	hyper	sig	chr3_141412363
chr6	36131362	36131362	+	3.159E-38	6.6615E-36	-0.29398	hypo	sig	chr6_36131362
chr3	1.7E+08	169822282	+	3.173E-38	6.6888E-36	-0.55242	hypo	sig	chr3_169822282
chr2	21032448	21032448	+	3.189E-38	6.7221E-36	-0.42597	hypo	sig	chr2_21032448
chr1	2E+08	200036093	+	3.201E-38	6.7438E-36	0.403692	hyper	sig	chr1_200036093
chr2	1.15E+08	115163038	+	3.219E-38	6.7806E-36	0.344717	hyper	sig	chr2_115163038
chr3	1.47E+08	147423098	+	3.23E-38	6.8031E-36	0.376462	hyper	sig	chr3_147423098
chr3	1.28E+08	128497339	+	3.231E-38	6.8032E-36	0.445634	hyper	sig	chr3_128497339
chr7	97024522	97024522	+	3.237E-38	6.8145E-36	0.332167	hyper	sig	chr7_97024522
chr2	2.38E+08	237590813	+	3.238E-38	6.8149E-36	-0.36986	hypo	sig	chr2_237590813
chr1	1539728	1539728	+	3.249E-38	6.8344E-36	0.420555	hyper	sig	chr1_1539728
chr3	49719084	49719084	+	3.249E-38	6.8344E-36	0.261251	hyper	sig	chr3_49719084
chr8	1992247	1992247	+	3.26E-38	6.855E-36	-0.36297	hypo	sig	chr8_1992247
chr7	1.3E+08	129778641	+	3.272E-38	6.878E-36	0.46107	hyper	sig	chr7_129778641
chr13	1.13E+08	113110244	+	3.279E-38	6.8917E-36	0.570711	hyper	sig	chr13_113110244
chr8	1.43E+08	143248225	+	3.29E-38	6.9127E-36	-0.4518	hypo	sig	chr8_143248225
chr5	1.79E+08	178941627	+	3.322E-38	6.9772E-36	0.391983	hyper	sig	chr5_178941627
chr7	1.46E+08	146117060	+	3.332E-38	6.9966E-36	0.348983	hyper	sig	chr7_146117060

chr16	383504	383504	+	3.334E-38	6.9995E-36	-0.28343	hypo	sig	chr16_383504
chr19	48837264	48837264	+	3.372E-38	7.077E-36	0.371774	hyper	sig	chr19_48837264
chr2	2.27E+08	227167266	+	3.385E-38	7.1031E-36	-0.37515	hypo	sig	chr2_227167266
chr6	1.27E+08	127119283	+	3.396E-38	7.1244E-36	0.419891	hyper	sig	chr6_127119283
chr6	1E+08	100459019	+	3.4E-38	7.1318E-36	0.383589	hyper	sig	chr6_100459019
chr10	1.22E+08	122172282	+	3.427E-38	7.1851E-36	0.3455	hyper	sig	chr10_122172282
chr13	37869979	37869979	+	3.43E-38	7.1908E-36	0.309462	hyper	sig	chr13_37869979
chr5	1.41E+08	141387675	+	3.468E-38	7.268E-36	0.361057	hyper	sig	chr5_141387675
chr6	32761016	32761016	+	3.476E-38	7.2823E-36	-0.38692	hypo	sig	chr6_32761016
chr16	70687860	70687860	+	3.477E-38	7.2837E-36	0.412739	hyper	sig	chr16_70687860
chr19	17445211	17445211	+	3.499E-38	7.3252E-36	-0.44757	hypo	sig	chr19_17445211
chr9	1.21E+08	120894473	+	3.499E-38	7.3252E-36	0.466032	hyper	sig	chr9_120894473
chr19	58440171	58440171	+	3.516E-38	7.3581E-36	0.238723	hyper	sig	chr19_58440171
chr1	18631889	18631889	+	3.571E-38	7.4729E-36	0.388134	hyper	sig	chr1_18631889
chr5	16179110	16179110	+	3.611E-38	7.5538E-36	0.332028	hyper	sig	chr5_16179110
chr3	49719101	49719101	+	3.619E-38	7.569E-36	0.298498	hyper	sig	chr3_49719101
chr1	2.21E+08	220884219	+	3.643E-38	7.6178E-36	0.438002	hyper	sig	chr1_220884219
chr11	1.12E+08	111540297	+	3.65E-38	7.6272E-36	0.431754	hyper	sig	chr11_111540297
chr8	64378713	64378713	+	3.649E-38	7.6272E-36	0.338175	hyper	sig	chr8_64378713
chr1	2.35E+08	234963325	+	3.667E-38	7.6601E-36	-0.20058	hypo	sig	chr1_234963325
chr1	2334992	2334992	+	3.683E-38	7.6921E-36	-0.37542	hypo	sig	chr1_2334992
chr19	53308511	53308511	+	3.721E-38	7.7703E-36	0.373029	hyper	sig	chr19_53308511
chr3	1.88E+08	187669833	+	3.731E-38	7.7886E-36	0.336164	hyper	sig	chr3_187669833
chr3	1.3E+08	129975331	+	3.748E-38	7.8216E-36	0.431886	hyper	sig	chr3_129975331
chr1	2E+08	200034223	+	3.759E-38	7.8427E-36	0.348472	hyper	sig	chr1_200034223
chr20	3237876	3237876	+	3.802E-38	7.9285E-36	0.387149	hyper	sig	chr20_3237876
chr4	2266505	2266505	+	3.802E-38	7.9285E-36	0.445503	hyper	sig	chr4_2266505
chr12	4909592	4909592	+	3.818E-38	7.961E-36	0.305505	hyper	sig	chr12_4909592
chr5	51382617	51382617	+	3.827E-38	7.9777E-36	0.359492	hyper	sig	chr5_51382617
chr2	1.11E+08	111366787	+	3.833E-38	7.988E-36	0.3574	hyper	sig	chr2_111366787
chr20	64164305	64164305	+	3.869E-38	8.06E-36	-0.36547	hypo	sig	chr20_64164305
chr19	22010536	22010536	+	3.883E-38	8.0872E-36	0.366431	hyper	sig	chr19_22010536
chr6	29553562	29553562	+	3.884E-38	8.0876E-36	0.293777	hyper	sig	chr6_29553562
chr20	25083244	25083244	+	3.904E-38	8.1267E-36	0.507816	hyper	sig	chr20_25083244
chr17	34580667	34580667	+	3.905E-38	8.1268E-36	0.318348	hyper	sig	chr17_34580667
chr7	842373	842373	+	3.909E-38	8.1332E-36	0.265312	hyper	sig	chr7_842373
chr1	2.28E+08	228464810	+	3.919E-38	8.1528E-36	0.331628	hyper	sig	chr1_228464810
chr5	1.71E+08	171309176	+	3.983E-38	8.2826E-36	0.358534	hyper	sig	chr5_171309176
chr6	3899975	3899975	+	3.984E-38	8.2827E-36	-0.39856	hypo	sig	chr6_3899975
chr7	4767925	4767925	+	3.985E-38	8.2827E-36	0.380372	hyper	sig	chr7_4767925
chr12	53966696	53966696	+	4.053E-38	8.4214E-36	0.41061	hyper	sig	chr12_53966696
chr5	83471806	83471806	+	4.059E-38	8.432E-36	0.362264	hyper	sig	chr5_83471806
chr6	1.68E+08	168180821	+	4.077E-38	8.4675E-36	-0.44207	hypo	sig	chr6_168180821
chr14	28778417	28778417	+	4.086E-38	8.4833E-36	0.328198	hyper	sig	chr14_28778417
chr13	1.12E+08	112073978	+	4.122E-38	8.5575E-36	0.351714	hyper	sig	chr13_112073978
chr19	58440528	58440528	+	4.14E-38	8.5915E-36	0.35533	hyper	sig	chr19_58440528
chr2	2.41E+08	241049994	+	4.162E-38	8.6347E-36	0.499752	hyper	sig	chr2_241049994
chr5	1.16E+08	115962029	+	4.163E-38	8.635E-36	0.372933	hyper	sig	chr5_115962029
chr8	1.41E+08	141147074	+	4.171E-38	8.6503E-36	0.341878	hyper	sig	chr8_141147074
chr1	2.28E+08	227759575	+	4.176E-38	8.658E-36	0.34935	hyper	sig	chr1_227759575
chr5	1.81E+08	181100458	+	4.191E-38	8.6864E-36	0.279701	hyper	sig	chr5_181100458
chr16	54932680	54932680	+	4.195E-38	8.6933E-36	0.400589	hyper	sig	chr16_54932680
chr10	25176532	25176532	+	4.21E-38	8.7223E-36	0.320906	hyper	sig	chr10_25176532
chr17	78926101	78926101	+	4.224E-38	8.7482E-36	0.389804	hyper	sig	chr17_78926101
chr14	93240225	93240225	+	4.241E-38	8.7802E-36	-0.3044	hypo	sig	chr14_93240225
chr1	1.71E+08	170661413	+	4.25E-38	8.7971E-36	0.350679	hyper	sig	chr1_170661413

chr2	63055634	63055634	+	4.257E-38	8.8089E-36	0.41074	hyper	sig	chr2_63055634
chr1	45623347	45623347	+	4.313E-38	8.9238E-36	0.361471	hyper	sig	chr1_45623347
chr12	72271502	72271502	+	4.4E-38	9.1003E-36	0.380432	hyper	sig	chr12_72271502
chr19	21680940	21680940	+	4.407E-38	9.1138E-36	-0.40188	hypo	sig	chr19_21680940
chr12	89350711	89350711	+	4.415E-38	9.1272E-36	-0.30652	hypo	sig	chr12_89350711
chr10	1.01E+08	100830445	+	4.429E-38	9.1541E-36	0.354647	hyper	sig	chr10_100830445
chr9	1.3E+08	130199685	+	4.442E-38	9.1794E-36	0.402195	hyper	sig	chr9_130199685
chr12	1.09E+08	108802113	+	4.458E-38	9.2086E-36	0.410045	hyper	sig	chr12_108802113
chr11	32427634	32427634	+	4.463E-38	9.218E-36	0.320819	hyper	sig	chr11_32427634
chr8	43270852	43270852	+	4.504E-38	9.2986E-36	-0.38765	hypo	sig	chr8_43270852
chr13	1.14E+08	113533644	+	4.516E-38	9.3215E-36	0.290554	hyper	sig	chr13_113533644
chr19	21474774	21474774	+	4.53E-38	9.3486E-36	0.350456	hyper	sig	chr19_21474774
chr2	1654453	1654453	+	4.556E-38	9.3994E-36	-0.42264	hypo	sig	chr2_1654453
chr10	571095	571095	+	4.579E-38	9.4444E-36	0.389587	hyper	sig	chr10_571095
chr12	4909928	4909928	+	4.592E-38	9.4678E-36	0.373868	hyper	sig	chr12_4909928
chr8	97277910	97277910	+	4.592E-38	9.4678E-36	0.336717	hyper	sig	chr8_97277910
chr11	1.02E+08	101584092	+	4.641E-38	9.5659E-36	0.373987	hyper	sig	chr11_101584092
chr17	81391897	81391897	+	4.653E-38	9.5871E-36	0.387646	hyper	sig	chr17_81391897
chr17	57902730	57902730	+	4.654E-38	9.5875E-36	-0.352	hypo	sig	chr17_57902730
chr13	1.12E+08	112249071	+	4.69E-38	9.6586E-36	0.366273	hyper	sig	chr13_112249071
chr14	91352314	91352314	+	4.702E-38	9.6805E-36	0.386556	hyper	sig	chr14_91352314
chr6	30915985	30915985	+	4.705E-38	9.6848E-36	0.381653	hyper	sig	chr6_30915985
chr5	1.12E+08	112412795	+	4.718E-38	9.7093E-36	-0.31745	hypo	sig	chr5_112412795
chr11	20163091	20163091	+	4.725E-38	9.7204E-36	0.313986	hyper	sig	chr11_20163091
chr2	2.41E+08	241049959	+	4.749E-38	9.7679E-36	0.470515	hyper	sig	chr2_241049959
chr16	383459	383459	+	4.782E-38	9.834E-36	-0.32603	hypo	sig	chr16_383459
chr10	1.28E+08	128047475	+	4.81E-38	9.8888E-36	-0.39556	hypo	sig	chr10_128047475
chr2	3282575	3282575	+	4.833E-38	9.9334E-36	0.34751	hyper	sig	chr2_3282575
chr2	7031890	7031890	+	4.837E-38	9.9399E-36	-0.31713	hypo	sig	chr2_7031890
chr5	3590869	3590869	+	4.876E-38	1.0016E-35	0.330164	hyper	sig	chr5_3590869
chr1	22649094	22649094	+	4.888E-38	1.004E-35	-0.36511	hypo	sig	chr1_22649094
chr12	95549155	95549155	+	4.916E-38	1.0094E-35	0.364337	hyper	sig	chr12_95549155
chr8	49910985	49910985	+	5.055E-38	1.0377E-35	0.363181	hyper	sig	chr8_49910985
chr13	27926762	27926762	+	5.067E-38	1.0399E-35	0.45982	hyper	sig	chr13_27926762
chr20	25084225	25084225	+	5.076E-38	1.0414E-35	0.343681	hyper	sig	chr20_25084225
chr15	93071812	93071812	+	5.143E-38	1.055E-35	0.35376	hyper	sig	chr15_93071812
chr14	1.01E+08	101442415	+	5.18E-38	1.0623E-35	-0.40934	hypo	sig	chr14_101442415
chr16	51151199	51151199	+	5.181E-38	1.0623E-35	0.407162	hyper	sig	chr16_51151199
chr12	1.27E+08	126736870	+	5.206E-38	1.067E-35	-0.3896	hypo	sig	chr12_126736870
chr5	1.72E+08	172097456	+	5.207E-38	1.067E-35	0.377712	hyper	sig	chr5_172097456
chr11	1558112	1558112	+	5.228E-38	1.071E-35	0.401996	hyper	sig	chr11_1558112
chr1	1.19E+08	118986283	+	5.235E-38	1.0722E-35	0.4194	hyper	sig	chr1_118986283
chr3	1.38E+08	137763155	+	5.241E-38	1.0731E-35	0.224149	hyper	sig	chr3_137763155
chr15	45704447	45704447	+	5.243E-38	1.0732E-35	0.318739	hyper	sig	chr15_45704447
chr5	1.41E+08	141403188	+	5.262E-38	1.0769E-35	0.382167	hyper	sig	chr5_141403188
chr2	44928632	44928632	+	5.34E-38	1.0925E-35	0.374344	hyper	sig	chr2_44928632
chr2	1.28E+08	127653007	+	5.345E-38	1.0932E-35	0.435968	hyper	sig	chr2_127653007
chr8	68330695	68330695	+	5.395E-38	1.1032E-35	0.338129	hyper	sig	chr8_68330695
chr11	61334693	61334693	+	5.471E-38	1.1185E-35	-0.35626	hypo	sig	chr11_61334693
chr14	36655014	36655014	+	5.472E-38	1.1185E-35	0.346541	hyper	sig	chr14_36655014
chr1	3140175	3140175	+	5.509E-38	1.1258E-35	0.403238	hyper	sig	chr1_3140175
chr7	1.55E+08	155462608	+	5.582E-38	1.1404E-35	0.382953	hyper	sig	chr7_155462608
chr13	78596999	78596999	+	5.736E-38	1.1715E-35	0.355204	hyper	sig	chr13_78596999
chr3	48425342	48425342	+	5.745E-38	1.1731E-35	0.344874	hyper	sig	chr3_48425342
chr15	23180725	23180725	+	5.779E-38	1.1797E-35	-0.32076	hypo	sig	chr15_23180725
chr20	46011714	46011714	+	5.799E-38	1.1835E-35	0.465998	hyper	sig	chr20_46011714

chr16	51151182	51151182	+	5.805E-38	1.1843E-35	0.433874	hyper	sig	chr16_51151182
chr5	33936171	33936171	+	5.807E-38	1.1844E-35	0.301403	hyper	sig	chr5_33936171
chr19	49043489	49043489	+	5.864E-38	1.1959E-35	-0.3581	hypo	sig	chr19_49043489
chr4	4862901	4862901	+	5.882E-38	1.1991E-35	0.451589	hyper	sig	chr4_4862901
chr11	1.19E+08	118531677	+	5.884E-38	1.1994E-35	0.35266	hyper	sig	chr11_118531677
chr20	45297973	45297973	+	5.957E-38	1.2138E-35	-0.45124	hypo	sig	chr20_45297973
chr11	67646866	67646866	+	5.977E-38	1.2175E-35	-0.41399	hypo	sig	chr11_67646866
chr19	49024688	49024688	+	5.978E-38	1.2175E-35	-0.40497	hypo	sig	chr19_49024688
chr1	1.47E+08	147078933	+	5.992E-38	1.2201E-35	0.348343	hyper	sig	chr1_147078933
chr8	1.23E+08	123182752	+	6.039E-38	1.2293E-35	-0.31845	hypo	sig	chr8_123182752
chr16	87407949	87407949	+	6.066E-38	1.2345E-35	-0.37631	hypo	sig	chr16_87407949
chr2	26456600	26456600	+	6.112E-38	1.2437E-35	-0.41257	hypo	sig	chr2_26456600
chr16	31042190	31042190	+	6.14E-38	1.249E-35	0.493721	hyper	sig	chr16_31042190
chr5	42944195	42944195	+	6.161E-38	1.253E-35	0.456289	hyper	sig	chr5_42944195
chr7	1.51E+08	150956146	+	6.222E-38	1.2649E-35	0.402737	hyper	sig	chr7_150956146
chr10	491190	491190	+	6.253E-38	1.2711E-35	0.352197	hyper	sig	chr10_491190
chr13	78586940	78586940	+	6.263E-38	1.2727E-35	0.382251	hyper	sig	chr13_78586940
chr1	2.28E+08	228423578	+	6.33E-38	1.2861E-35	-0.33186	hypo	sig	chr1_228423578
chr12	4909578	4909578	+	6.333E-38	1.2863E-35	0.341888	hyper	sig	chr12_4909578
chr17	40093309	40093309	+	6.354E-38	1.2902E-35	0.28608	hyper	sig	chr17_40093309
chr17	12242539	12242539	+	6.361E-38	1.2913E-35	0.398146	hyper	sig	chr17_12242539
chr14	41606557	41606557	+	6.373E-38	1.2934E-35	0.370514	hyper	sig	chr14_41606557
chr13	1.12E+08	112104017	+	6.399E-38	1.2985E-35	0.408468	hyper	sig	chr13_112104017
chr7	25859574	25859574	+	6.409E-38	1.3002E-35	-0.37208	hypo	sig	chr7_25859574
chr14	1.01E+08	100829797	+	6.496E-38	1.3175E-35	-0.40527	hypo	sig	chr14_100829797
chr12	1.14E+08	114405498	+	6.513E-38	1.3205E-35	0.316693	hyper	sig	chr12_114405498
chr3	49902991	49902991	+	6.521E-38	1.3219E-35	-0.39212	hypo	sig	chr3_49902991
chr7	19107759	19107759	+	6.537E-38	1.3247E-35	0.346488	hyper	sig	chr7_19107759
chr20	25084193	25084193	+	6.583E-38	1.3338E-35	0.362121	hyper	sig	chr20_25084193
chr6	50707875	50707875	+	6.605E-38	1.3379E-35	0.379119	hyper	sig	chr6_50707875
chr1	2.21E+08	220880952	+	6.619E-38	1.3404E-35	0.262457	hyper	sig	chr1_220880952
chr16	29156594	29156594	+	6.655E-38	1.3474E-35	-0.38312	hypo	sig	chr16_29156594
chr6	1.33E+08	133242332	+	6.662E-38	1.3485E-35	0.319833	hyper	sig	chr6_133242332
chr7	1E+08	100177909	+	6.671E-38	1.3499E-35	0.39287	hyper	sig	chr7_100177909
chr12	89350694	89350694	+	6.698E-38	1.355E-35	-0.30354	hypo	sig	chr12_89350694
chr3	73623247	73623247	+	6.7E-38	1.355E-35	0.425705	hyper	sig	chr3_73623247
chr2	74515204	74515204	+	6.815E-38	1.3778E-35	0.360542	hyper	sig	chr2_74515204
chr22	38110582	38110582	+	6.816E-38	1.3778E-35	-0.38515	hypo	sig	chr22_38110582
chr6	28922292	28922292	+	6.822E-38	1.3788E-35	-0.32379	hypo	sig	chr6_28922292
chr7	229660	229660	+	6.84E-38	1.3821E-35	0.362493	hyper	sig	chr7_229660
chr4	1230753	1230753	+	6.903E-38	1.3944E-35	0.38024	hyper	sig	chr4_1230753
chr7	1.58E+08	157684195	+	6.905E-38	1.3944E-35	0.436256	hyper	sig	chr7_157684195
chr5	1.41E+08	140672543	+	6.968E-38	1.4069E-35	0.408287	hyper	sig	chr5_140672543
chr16	67944313	67944313	+	6.978E-38	1.4085E-35	0.453404	hyper	sig	chr16_67944313
chr1	27341621	27341621	+	7.064E-38	1.4254E-35	-0.37754	hypo	sig	chr1_27341621
chr12	72273413	72273413	+	7.065E-38	1.4254E-35	0.353922	hyper	sig	chr12_72273413
chr1	1.67E+08	166989027	+	7.109E-38	1.4339E-35	-0.38141	hypo	sig	chr1_166989027
chr13	27927064	27927064	+	7.111E-38	1.4339E-35	0.452551	hyper	sig	chr13_27927064
chr19	39415225	39415225	+	7.117E-38	1.4347E-35	0.391189	hyper	sig	chr19_39415225
chr13	1.12E+08	111957000	+	7.135E-38	1.438E-35	-0.44371	hypo	sig	chr13_111957000
chr13	52848941	52848941	+	7.143E-38	1.4394E-35	0.421377	hyper	sig	chr13_52848941
chr4	1.9E+08	190018010	+	7.234E-38	1.4573E-35	0.299104	hyper	sig	chr4_190018010
chr15	74236224	74236224	+	7.241E-38	1.4584E-35	-0.37818	hypo	sig	chr15_74236224
chr5	55223006	55223006	+	7.248E-38	1.4594E-35	0.352837	hyper	sig	chr5_55223006
chr16	1044694	1044694	+	7.253E-38	1.46E-35	-0.43459	hypo	sig	chr16_1044694
chr7	71131381	71131381	+	7.271E-38	1.4632E-35	0.374561	hyper	sig	chr7_71131381

chr16	86496370	86496370	+	7.306E-38	1.4699E-35	0.350596	hyper	sig	chr16_86496370
chr22	43414376	43414376	+	7.345E-38	1.4774E-35	-0.46151	hypo	sig	chr22_43414376
chr2	1.01E+08	100817620	+	7.361E-38	1.4804E-35	-0.35266	hypo	sig	chr2_100817620
chr1	1.68E+08	167628256	+	7.401E-38	1.4881E-35	-0.32094	hypo	sig	chr1_167628256
chr11	2807243	2807243	+	7.483E-38	1.504E-35	0.413052	hyper	sig	chr11_2807243
chr17	80178687	80178687	+	7.532E-38	1.5135E-35	-0.37159	hypo	sig	chr17_80178687
chr7	27201584	27201584	+	7.623E-38	1.5315E-35	-0.3639	hypo	sig	chr7_27201584
chr16	85947670	85947670	+	7.682E-38	1.5429E-35	-0.51077	hypo	sig	chr16_85947670
chr10	1.33E+08	132545045	+	7.726E-38	1.5514E-35	0.370785	hyper	sig	chr10_132545045
chr8	70070762	70070762	+	7.786E-38	1.563E-35	0.405144	hyper	sig	chr8_70070762
chr1	1.44E+08	143661911	+	7.799E-38	1.5653E-35	0.341461	hyper	sig	chr1_143661911
chr20	38673993	38673993	+	7.888E-38	1.5827E-35	0.34787	hyper	sig	chr20_38673993
chr11	1.12E+08	111976745	+	7.949E-38	1.5946E-35	0.407353	hyper	sig	chr11_111976745
chr6	32055750	32055750	+	8.063E-38	1.617E-35	-0.33438	hypo	sig	chr6_32055750
chr19	57351147	57351147	+	8.092E-38	1.6225E-35	0.202409	hyper	sig	chr19_57351147
chr20	25083234	25083234	+	8.105E-38	1.6246E-35	0.469901	hyper	sig	chr20_25083234
chr13	78594418	78594418	+	8.125E-38	1.6284E-35	0.402932	hyper	sig	chr13_78594418
chr7	1.03E+08	103152336	+	8.15E-38	1.6329E-35	-0.39988	hypo	sig	chr7_103152336
chr19	43774511	43774511	+	8.167E-38	1.636E-35	0.396547	hyper	sig	chr19_43774511
chr8	22641287	22641287	+	8.22E-38	1.6462E-35	0.326369	hyper	sig	chr8_22641287
chr5	172795	172795	+	8.28E-38	1.6578E-35	-0.42489	hypo	sig	chr5_172795
chr15	89408806	89408806	+	8.441E-38	1.6895E-35	0.343298	hyper	sig	chr15_89408806
chr7	1.22E+08	122310212	+	8.596E-38	1.7201E-35	0.334586	hyper	sig	chr7_122310212
chr6	42727655	42727655	+	8.619E-38	1.7244E-35	0.420965	hyper	sig	chr6_42727655
chr16	54933876	54933876	+	8.653E-38	1.7306E-35	0.392569	hyper	sig	chr16_54933876
chr19	49436732	49436732	+	8.7E-38	1.7396E-35	0.381095	hyper	sig	chr19_49436732
chr8	64370706	64370706	+	8.731E-38	1.7453E-35	0.355763	hyper	sig	chr8_64370706
chr4	26804606	26804606	+	8.795E-38	1.7577E-35	0.320298	hyper	sig	chr4_26804606
chr6	1.61E+08	160767536	+	8.816E-38	1.7615E-35	0.307076	hyper	sig	chr6_160767536
chr18	8708592	8708592	+	8.968E-38	1.7914E-35	0.34214	hyper	sig	chr18_8708592
chr1	1.54E+08	154408229	+	8.977E-38	1.7928E-35	0.353864	hyper	sig	chr1_154408229
chr14	41606537	41606537	+	8.979E-38	1.7929E-35	0.347753	hyper	sig	chr14_41606537
chr7	1693496	1693496	+	9.093E-38	1.8151E-35	-0.39484	hypo	sig	chr7_1693496
chr5	1.75E+08	174732018	+	9.1E-38	1.816E-35	0.346208	hyper	sig	chr5_174732018
chr16	15143919	15143919	+	9.142E-38	1.8239E-35	0.515512	hyper	sig	chr16_15143919
chr1	24931655	24931655	+	9.146E-38	1.8243E-35	0.353532	hyper	sig	chr1_24931655
chr7	1.54E+08	154305195	+	9.156E-38	1.8259E-35	0.411061	hyper	sig	chr7_154305195
chr14	23372916	23372916	+	9.198E-38	1.8339E-35	-0.38142	hypo	sig	chr14_23372916
chr8	1.42E+08	142450709	+	9.201E-38	1.834E-35	0.294184	hyper	sig	chr8_142450709
chr19	17445265	17445265	+	9.236E-38	1.8405E-35	-0.42875	hypo	sig	chr19_17445265
chr1	1.56E+08	156139538	+	9.442E-38	1.881E-35	0.379189	hyper	sig	chr1_156139538
chr20	63788457	63788457	+	9.459E-38	1.884E-35	-0.32085	hypo	sig	chr20_63788457
chr21	26967015	26967015	+	9.506E-38	1.8928E-35	0.391147	hyper	sig	chr21_26967015
chr12	1.09E+08	108802103	+	9.512E-38	1.8937E-35	0.418069	hyper	sig	chr12_108802103
chr16	1531098	1531098	+	9.528E-38	1.8958E-35	0.403356	hyper	sig	chr16_1531098
chr8	1.33E+08	133191192	+	9.528E-38	1.8958E-35	0.374832	hyper	sig	chr8_133191192
chr10	1.05E+08	104640928	+	9.543E-38	1.8984E-35	0.392368	hyper	sig	chr10_104640928
chr19	36419001	36419001	+	9.568E-38	1.903E-35	0.303466	hyper	sig	chr19_36419001
chr13	1.1E+08	110308141	+	9.622E-38	1.9132E-35	0.343807	hyper	sig	chr13_110308141
chr17	80067610	80067610	+	9.63E-38	1.9143E-35	-0.36931	hypo	sig	chr17_80067610
chr1	18631899	18631899	+	9.636E-38	1.9151E-35	0.388945	hyper	sig	chr1_18631899
chr17	77409783	77409783	+	9.651E-38	1.9175E-35	0.43472	hyper	sig	chr17_77409783
chr20	40693000	40693000	+	9.695E-38	1.9259E-35	0.428339	hyper	sig	chr20_40693000
chr1	92480564	92480564	+	9.749E-38	1.9361E-35	0.465433	hyper	sig	chr1_92480564
chr7	79454210	79454210	+	9.831E-38	1.9519E-35	0.310777	hyper	sig	chr7_79454210
chr5	1.16E+08	116361608	+	9.841E-38	1.9534E-35	0.508684	hyper	sig	chr5_116361608

chr13	87674583	87674583	+	9.854E-38	1.9556E-35	0.384516	hyper	sig	chr13_87674583
chr11	269389	269389	+	9.919E-38	1.9679E-35	-0.33957	hypo	sig	chr11_269389
chr3	62368861	62368861	+	9.935E-38	1.9705E-35	0.373211	hyper	sig	chr3_62368861
chr16	29156545	29156545	+	9.947E-38	1.9724E-35	-0.4601	hypo	sig	chr16_29156545
chr5	1.39E+08	139394230	+	9.952E-38	1.9729E-35	0.321345	hyper	sig	chr5_139394230
chr12	89350373	89350373	+	1.001E-37	1.984E-35	-0.41316	hypo	sig	chr12_89350373
chr8	48923581	48923581	+	1.008E-37	1.9968E-35	-0.41878	hypo	sig	chr8_48923581
chr16	29252044	29252044	+	1.008E-37	1.9969E-35	-0.40705	hypo	sig	chr16_29252044
chr16	54934826	54934826	+	1.008E-37	1.9969E-35	0.327045	hyper	sig	chr16_54934826
chr8	1.03E+08	102738811	+	1.013E-37	2.0055E-35	-0.32869	hypo	sig	chr8_102738811
chr17	76700712	76700712	+	1.014E-37	2.0077E-35	0.356507	hyper	sig	chr17_76700712
chr2	2.38E+08	238260973	+	1.02E-37	2.019E-35	0.271336	hyper	sig	chr2_238260973
chr15	93434615	93434615	+	1.024E-37	2.0256E-35	-0.42232	hypo	sig	chr15_93434615
chr7	79454191	79454191	+	1.024E-37	2.0256E-35	0.328656	hyper	sig	chr7_79454191
chr7	229669	229669	+	1.025E-37	2.027E-35	0.348823	hyper	sig	chr7_229669
chr2	44928062	44928062	+	1.025E-37	2.0271E-35	0.395256	hyper	sig	chr2_44928062
chr4	65669485	65669485	+	1.037E-37	2.0508E-35	0.352569	hyper	sig	chr4_65669485
chr5	1.51E+08	151303478	+	1.048E-37	2.0714E-35	-0.38671	hypo	sig	chr5_151303478
chr10	25176525	25176525	+	1.059E-37	2.0917E-35	0.315432	hyper	sig	chr10_25176525
chr19	37251932	37251932	+	1.062E-37	2.0981E-35	0.327361	hyper	sig	chr19_37251932
chr1	2.21E+08	220882047	+	1.065E-37	2.1025E-35	0.414346	hyper	sig	chr1_220882047
chr4	42152823	42152823	+	1.071E-37	2.1142E-35	0.339995	hyper	sig	chr4_42152823
chr10	69571928	69571928	+	1.074E-37	2.1204E-35	0.391041	hyper	sig	chr10_69571928
chr2	54673799	54673799	+	1.085E-37	2.1414E-35	-0.21892	hypo	sig	chr2_54673799
chr8	64370696	64370696	+	1.086E-37	2.1417E-35	0.34759	hyper	sig	chr8_64370696
chr20	58306893	58306893	+	1.086E-37	2.1429E-35	-0.2903	hypo	sig	chr20_58306893
chr15	59993468	59993468	+	1.089E-37	2.1479E-35	0.481478	hyper	sig	chr15_59993468
chr12	6123813	6123813	+	1.095E-37	2.1585E-35	-0.41975	hypo	sig	chr12_6123813
chr14	1.01E+08	101054652	+	1.106E-37	2.1802E-35	-0.39019	hypo	sig	chr14_101054652
chr14	1.01E+08	101442669	+	1.106E-37	2.1802E-35	-0.49404	hypo	sig	chr14_101442669
chr16	73064841	73064841	+	1.108E-37	2.1823E-35	-0.31664	hypo	sig	chr16_73064841
chr13	36154855	36154855	+	1.125E-37	2.2155E-35	0.397939	hyper	sig	chr13_36154855
chr6	42727664	42727664	+	1.139E-37	2.2433E-35	0.415624	hyper	sig	chr6_42727664
chr8	1.42E+08	142451396	+	1.142E-37	2.2488E-35	0.405606	hyper	sig	chr8_142451396
chr11	10294980	10294980	+	1.147E-37	2.2583E-35	-0.25464	hypo	sig	chr11_10294980
chr20	21519385	21519385	+	1.153E-37	2.2678E-35	0.324342	hyper	sig	chr20_21519385
chr4	4861553	4861553	+	1.164E-37	2.2907E-35	0.311088	hyper	sig	chr4_4861553
chr1	6520258	6520258	+	1.171E-37	2.303E-35	0.39021	hyper	sig	chr1_6520258
chr12	1.33E+08	132904877	+	1.189E-37	2.3368E-35	0.310631	hyper	sig	chr12_132904877
chr2	2.39E+08	239311414	+	1.199E-37	2.3565E-35	0.328141	hyper	sig	chr2_239311414
chr2	63055614	63055614	+	1.213E-37	2.3843E-35	0.382362	hyper	sig	chr2_63055614
chr13	65310133	65310133	+	1.219E-37	2.3954E-35	-0.36212	hypo	sig	chr13_65310133
chr19	37817866	37817866	+	1.226E-37	2.4088E-35	0.306749	hyper	sig	chr19_37817866
chr9	93346077	93346077	+	1.227E-37	2.4103E-35	0.374044	hyper	sig	chr9_93346077
chr3	1.33E+08	133398576	+	1.238E-37	2.4315E-35	-0.32783	hypo	sig	chr3_133398576
chr16	58464674	58464674	+	1.247E-37	2.4469E-35	0.303955	hyper	sig	chr16_58464674
chr3	1.25E+08	125357575	+	1.251E-37	2.4556E-35	0.371295	hyper	sig	chr3_125357575
chr6	28635394	28635394	+	1.256E-37	2.465E-35	0.296198	hyper	sig	chr6_28635394
chr7	30470847	30470847	+	1.261E-37	2.4724E-35	0.355468	hyper	sig	chr7_30470847
chr9	91421137	91421137	+	1.262E-37	2.4738E-35	0.317418	hyper	sig	chr9_91421137
chr1	2.21E+08	220895814	+	1.263E-37	2.4769E-35	0.458333	hyper	sig	chr1_220895814
chr13	78586959	78586959	+	1.284E-37	2.516E-35	0.410516	hyper	sig	chr13_78586959
chr1	2E+08	200036157	+	1.297E-37	2.5405E-35	0.410434	hyper	sig	chr1_200036157
chr13	93227009	93227009	+	1.302E-37	2.5496E-35	0.476326	hyper	sig	chr13_93227009
chr4	7193330	7193330	+	1.302E-37	2.5496E-35	0.337939	hyper	sig	chr4_7193330
chr11	2807235	2807235	+	1.309E-37	2.5623E-35	0.36797	hyper	sig	chr11_2807235

chr17	80178667	80178667	+	1.311E-37	2.5672E-35	-0.37322	hypo	sig	chr17_80178667
chr3	1.98E+08	198081803	+	1.312E-37	2.5678E-35	0.435099	hyper	sig	chr3_198081803
chr8	71842718	71842718	+	1.315E-37	2.5738E-35	0.341645	hyper	sig	chr8_71842718
chr14	52069246	52069246	+	1.32E-37	2.5829E-35	0.233121	hyper	sig	chr14_52069246
chr1	6276459	6276459	+	1.322E-37	2.5863E-35	0.403175	hyper	sig	chr1_6276459
chr1	91804938	91804938	+	1.333E-37	2.6064E-35	-0.39547	hypo	sig	chr1_91804938
chr8	739964	739964	+	1.335E-37	2.61E-35	0.355663	hyper	sig	chr8_739964
chr13	93227308	93227308	+	1.343E-37	2.6255E-35	0.418338	hyper	sig	chr13_93227308
chr19	2608564	2608564	+	1.37E-37	2.6769E-35	-0.55464	hypo	sig	chr19_2608564
chr22	31099170	31099170	+	1.389E-37	2.7135E-35	0.413491	hyper	sig	chr22_31099170
chr5	4230735	4230735	+	1.391E-37	2.7175E-35	0.35648	hyper	sig	chr5_4230735
chr12	1.3E+08	130336958	+	1.392E-37	2.7184E-35	-0.35219	hypo	sig	chr12_130336958
chr14	28774201	28774201	+	1.397E-37	2.7274E-35	0.344231	hyper	sig	chr14_28774201
chr17	83048609	83048609	+	1.4E-37	2.7316E-35	-0.37312	hypo	sig	chr17_83048609
chr20	885368	885368	+	1.4E-37	2.7316E-35	0.374037	hyper	sig	chr20_885368
chr6	30171701	30171701	+	1.409E-37	2.7493E-35	0.336589	hyper	sig	chr6_30171701
chr19	36245698	36245698	+	1.414E-37	2.757E-35	0.359293	hyper	sig	chr19_36245698
chr7	1.57E+08	157020282	+	1.427E-37	2.7817E-35	0.384596	hyper	sig	chr7_157020282
chr6	72621410	72621410	+	1.429E-37	2.785E-35	0.278651	hyper	sig	chr6_72621410
chr11	27721711	27721711	+	1.43E-37	2.7865E-35	0.278542	hyper	sig	chr11_27721711
chr13	1.1E+08	109773466	+	1.44E-37	2.8052E-35	-0.38176	hypo	sig	chr13_109773466
chr6	28825895	28825895	+	1.444E-37	2.8122E-35	0.310275	hyper	sig	chr6_28825895
chr10	1036492	1036492	+	1.445E-37	2.8138E-35	-0.42837	hypo	sig	chr10_1036492
chr2	1.31E+08	131056427	+	1.45E-37	2.8227E-35	0.303493	hyper	sig	chr2_131056427
chr1	45623345	45623345	+	1.456E-37	2.8343E-35	0.381761	hyper	sig	chr1_45623345
chr8	56445730	56445730	+	1.458E-37	2.8379E-35	0.341869	hyper	sig	chr8_56445730
chr11	64061249	64061249	+	1.464E-37	2.8488E-35	0.398509	hyper	sig	chr11_64061249
chr11	526362	526362	+	1.467E-37	2.8534E-35	-0.3441	hypo	sig	chr11_526362
chr8	1.43E+08	143117393	+	1.479E-37	2.8759E-35	-0.32874	hypo	sig	chr8_143117393
chr15	39582575	39582575	+	1.493E-37	2.9018E-35	0.383008	hyper	sig	chr15_39582575
chr13	36297811	36297811	+	1.501E-37	2.9181E-35	0.392407	hyper	sig	chr13_36297811
chr5	1.34E+08	134113934	+	1.524E-37	2.9607E-35	0.293124	hyper	sig	chr5_134113934
chr1	2073829	2073829	+	1.527E-37	2.9658E-35	0.396973	hyper	sig	chr1_2073829
chr6	26225206	26225206	+	1.56E-37	3.0289E-35	0.362241	hyper	sig	chr6_26225206
chr2	1.19E+08	118857988	+	1.567E-37	3.0424E-35	0.329223	hyper	sig	chr2_118857988
chr2	1.19E+08	118857920	+	1.57E-37	3.0468E-35	0.379984	hyper	sig	chr2_118857920
chr13	37869559	37869559	+	1.571E-37	3.049E-35	0.404159	hyper	sig	chr13_37869559
chr14	60510180	60510180	+	1.571E-37	3.049E-35	0.492692	hyper	sig	chr14_60510180
chr12	40693657	40693657	+	1.576E-37	3.0573E-35	0.365188	hyper	sig	chr12_40693657
chr2	2.39E+08	239240190	+	1.582E-37	3.0688E-35	0.366692	hyper	sig	chr2_239240190
chr1	1.19E+08	119006524	+	1.597E-37	3.0973E-35	0.386951	hyper	sig	chr1_119006524
chr1	6034145	6034145	+	1.601E-37	3.1033E-35	0.319825	hyper	sig	chr1_6034145
chr5	10649606	10649606	+	1.611E-37	3.1213E-35	0.490532	hyper	sig	chr5_10649606
chr2	7031885	7031885	+	1.623E-37	3.1439E-35	-0.30136	hypo	sig	chr2_7031885
chr16	85947743	85947743	+	1.644E-37	3.1852E-35	-0.48831	hypo	sig	chr16_85947743
chr3	28575796	28575796	+	1.65E-37	3.1951E-35	0.387643	hyper	sig	chr3_28575796
chr7	29802505	29802505	+	1.661E-37	3.2163E-35	-0.35634	hypo	sig	chr7_29802505
chr12	1.03E+08	102961416	+	1.669E-37	3.2306E-35	0.339303	hyper	sig	chr12_102961416
chr6	10390684	10390684	+	1.671E-37	3.2344E-35	0.399103	hyper	sig	chr6_10390684
chr13	27794935	27794935	+	1.673E-37	3.2362E-35	0.430659	hyper	sig	chr13_27794935
chr11	69099321	69099321	+	1.675E-37	3.2394E-35	-0.39786	hypo	sig	chr11_69099321
chr1	1007058	1007058	+	1.686E-37	3.2595E-35	-0.35058	hypo	sig	chr1_1007058
chr10	93065819	93065819	+	1.706E-37	3.2987E-35	0.403656	hyper	sig	chr10_93065819
chr16	30095581	30095581	+	1.715E-37	3.3144E-35	0.312705	hyper	sig	chr16_30095581
chr8	1.41E+08	141245327	+	1.726E-37	3.3345E-35	-0.33736	hypo	sig	chr8_141245327
chr16	67163226	67163226	+	1.74E-37	3.3618E-35	0.358458	hyper	sig	chr16_67163226

chr13	19818408	19818408	+	1.75E-37	3.3796E-35	0.408115	hyper	sig	chr13_19818408
chr2	1691544	1691544	+	1.75E-37	3.3796E-35	-0.38019	hypo	sig	chr2_1691544
chr13	24746403	24746403	+	1.76E-37	3.3977E-35	0.443125	hyper	sig	chr13_24746403
chr8	1.43E+08	143272955	+	1.787E-37	3.4492E-35	-0.36556	hypo	sig	chr8_143272955
chr10	1.01E+08	100519933	+	1.8E-37	3.4735E-35	0.367329	hyper	sig	chr10_100519933
chr16	54933886	54933886	+	1.806E-37	3.4849E-35	0.401777	hyper	sig	chr16_54933886
chr2	96859036	96859036	+	1.811E-37	3.494E-35	0.408007	hyper	sig	chr2_96859036
chr19	3178764	3178764	+	1.813E-37	3.4959E-35	-0.425	hypo	sig	chr19_3178764
chr19	1130935	1130935	+	1.822E-37	3.5135E-35	-0.39158	hypo	sig	chr19_1130935
chr10	7666316	7666316	+	1.843E-37	3.5524E-35	0.288434	hyper	sig	chr10_7666316
chr9	95459699	95459699	+	1.845E-37	3.5553E-35	0.452857	hyper	sig	chr9_95459699
chr22	46661605	46661605	+	1.863E-37	3.5886E-35	-0.33158	hypo	sig	chr22_46661605
chr12	1.33E+08	132904993	+	1.863E-37	3.5886E-35	0.379396	hyper	sig	chr12_132904993
chr2	19357656	19357656	+	1.868E-37	3.5966E-35	0.297548	hyper	sig	chr2_19357656
chr21	44959169	44959169	+	1.868E-37	3.5966E-35	0.382828	hyper	sig	chr21_44959169
chr19	57351256	57351256	+	1.872E-37	3.6037E-35	0.317873	hyper	sig	chr19_57351256
chr3	1.7E+08	169822371	+	1.882E-37	3.6215E-35	-0.54249	hypo	sig	chr3_169822371
chr2	203770	203770	+	1.883E-37	3.6224E-35	-0.42619	hypo	sig	chr2_203770
chr19	43774346	43774346	+	1.906E-37	3.6659E-35	0.471829	hyper	sig	chr19_43774346
chr17	77710328	77710328	+	1.911E-37	3.675E-35	-0.37319	hypo	sig	chr17_77710328
chr11	73310165	73310165	+	1.931E-37	3.7121E-35	0.370227	hyper	sig	chr11_73310165
chr5	83471815	83471815	+	1.934E-37	3.7174E-35	0.327299	hyper	sig	chr5_83471815
chr6	1.33E+08	133242314	+	1.939E-37	3.7257E-35	0.324351	hyper	sig	chr6_133242314
chr8	84184971	84184971	+	1.946E-37	3.7381E-35	0.375079	hyper	sig	chr8_84184971
chr14	1.03E+08	102893775	+	1.974E-37	3.7915E-35	0.360811	hyper	sig	chr14_102893775
chr17	48551036	48551036	+	2.016E-37	3.8718E-35	0.416829	hyper	sig	chr17_48551036
chr16	89098608	89098608	+	2.035E-37	3.9067E-35	-0.31044	hypo	sig	chr16_89098608
chr6	1.57E+08	157134702	+	2.059E-37	3.9524E-35	0.382308	hyper	sig	chr6_157134702
chr13	1.01E+08	101416781	+	2.064E-37	3.9594E-35	0.402933	hyper	sig	chr13_101416781
chr2	467866	467866	+	2.069E-37	3.9696E-35	0.376249	hyper	sig	chr2_467866
chr5	1.71E+08	171308318	+	2.089E-37	4.0069E-35	0.350181	hyper	sig	chr5_171308318
chr14	76371085	76371085	+	2.094E-37	4.0159E-35	-0.38577	hypo	sig	chr14_76371085
chr10	1.34E+08	133523925	+	2.099E-37	4.0242E-35	-0.41309	hypo	sig	chr10_133523925
chr5	6349366	6349366	+	2.102E-37	4.0288E-35	-0.41112	hypo	sig	chr5_6349366
chr8	1.42E+08	142432080	+	2.109E-37	4.0404E-35	-0.41223	hypo	sig	chr8_142432080
chr5	1.81E+08	181173950	+	2.111E-37	4.0443E-35	0.30954	hyper	sig	chr5_181173950
chr1	2.28E+08	227775227	+	2.125E-37	4.0698E-35	0.370204	hyper	sig	chr1_227775227
chr22	31104957	31104957	+	2.126E-37	4.0715E-35	0.444378	hyper	sig	chr22_31104957
chr19	12266343	12266343	+	2.131E-37	4.0787E-35	0.36393	hyper	sig	chr19_12266343
chr18	905470	905470	+	2.142E-37	4.0988E-35	0.352628	hyper	sig	chr18_905470
chr12	6946468	6946468	+	2.155E-37	4.1235E-35	-0.25862	hypo	sig	chr12_6946468
chr10	1.01E+08	100519698	+	2.194E-37	4.1959E-35	0.513587	hyper	sig	chr10_100519698
chr8	70070756	70070756	+	2.206E-37	4.2196E-35	0.417664	hyper	sig	chr8_70070756
chr7	1.29E+08	128783477	+	2.208E-37	4.2214E-35	0.404682	hyper	sig	chr7_128783477
chr17	38559629	38559629	+	2.21E-37	4.2241E-35	-0.26557	hypo	sig	chr17_38559629
chr8	64798722	64798722	+	2.212E-37	4.2282E-35	0.357549	hyper	sig	chr8_64798722
chr11	31804285	31804285	+	2.224E-37	4.2499E-35	0.364297	hyper	sig	chr11_31804285
chr8	92101566	92101566	+	2.23E-37	4.26E-35	0.44685	hyper	sig	chr8_92101566
chr6	1.33E+08	133242394	+	2.248E-37	4.2926E-35	0.316056	hyper	sig	chr6_133242394
chr1	1007284	1007284	+	2.261E-37	4.316E-35	-0.33006	hypo	sig	chr1_1007284
chr10	3287650	3287650	+	2.265E-37	4.3236E-35	-0.35873	hypo	sig	chr10_3287650
chr6	27680575	27680575	+	2.283E-37	4.3573E-35	0.361028	hyper	sig	chr6_27680575
chr5	1.41E+08	141478322	+	2.284E-37	4.3578E-35	0.344498	hyper	sig	chr5_141478322
chr17	77881729	77881729	+	2.288E-37	4.3643E-35	-0.38956	hypo	sig	chr17_77881729
chr11	73310262	73310262	+	2.299E-37	4.3836E-35	0.390547	hyper	sig	chr11_73310262
chr19	33290917	33290917	+	2.307E-37	4.3981E-35	-0.3751	hypo	sig	chr19_33290917

chr8	739920	739920	+	2.316E-37	4.414E-35	0.373032	hyper	sig	chr8_739920
chr10	1.01E+08	101146499	+	2.323E-37	4.4274E-35	0.304441	hyper	sig	chr10_101146499
chr17	75784182	75784182	+	2.333E-37	4.4453E-35	-0.3221	hypo	sig	chr17_75784182
chr11	69449849	69449849	+	2.378E-37	4.5303E-35	-0.37848	hypo	sig	chr11_69449849
chr16	51156290	51156290	+	2.379E-37	4.5303E-35	0.407509	hyper	sig	chr16_51156290
chr2	2.42E+08	241544052	+	2.395E-37	4.5591E-35	-0.33217	hypo	sig	chr2_241544052
chr6	28775809	28775809	+	2.398E-37	4.5653E-35	0.348654	hyper	sig	chr6_28775809
chr6	1.7E+08	170081838	+	2.403E-37	4.5734E-35	-0.35781	hypo	sig	chr6_170081838
chr5	1.59E+08	159104566	+	2.405E-37	4.575E-35	0.448177	hyper	sig	chr5_159104566
chr5	1.75E+08	174731962	+	2.405E-37	4.5751E-35	0.366769	hyper	sig	chr5_174731962
chr17	80919085	80919085	+	2.434E-37	4.6287E-35	0.270312	hyper	sig	chr17_80919085
chr4	7650262	7650262	+	2.444E-37	4.6469E-35	-0.45909	hypo	sig	chr4_7650262
chr19	52536191	52536191	+	2.447E-37	4.6507E-35	0.365735	hyper	sig	chr19_52536191
chr7	93043606	93043606	+	2.462E-37	4.6782E-35	0.401551	hyper	sig	chr7_93043606
chr12	48004024	48004024	+	2.47E-37	4.6929E-35	0.216344	hyper	sig	chr12_48004024
chr1	16019622	16019622	+	2.478E-37	4.7062E-35	0.369385	hyper	sig	chr1_16019622
chr12	96238777	96238777	+	2.487E-37	4.7226E-35	0.351548	hyper	sig	chr12_96238777
chr7	1.02E+08	101874521	+	2.487E-37	4.7226E-35	0.283938	hyper	sig	chr7_101874521
chr2	2.42E+08	241852713	+	2.491E-37	4.7286E-35	-0.3949	hypo	sig	chr2_241852713
chr10	1.16E+08	116272555	+	2.496E-37	4.736E-35	0.286166	hyper	sig	chr10_116272555
chr3	1.6E+08	160039174	+	2.515E-37	4.7712E-35	0.326329	hyper	sig	chr3_160039174
chr2	2.37E+08	237346477	+	2.531E-37	4.801E-35	-0.42167	hypo	sig	chr2_237346477
chr8	64371510	64371510	+	2.537E-37	4.8101E-35	0.333106	hyper	sig	chr8_64371510
chr5	88678629	88678629	+	2.54E-37	4.8149E-35	0.36096	hyper	sig	chr5_88678629
chr17	45897562	45897562	+	2.572E-37	4.8757E-35	0.338701	hyper	sig	chr17_45897562
chr12	1.28E+08	128366005	+	2.588E-37	4.9041E-35	0.322586	hyper	sig	chr12_128366005
chr1	1.11E+08	111271549	+	2.61E-37	4.9447E-35	0.359584	hyper	sig	chr1_111271549
chr4	1.12E+08	112403522	+	2.626E-37	4.9739E-35	0.340333	hyper	sig	chr4_112403522
chr13	1.08E+08	108214760	+	2.628E-37	4.9774E-35	0.39997	hyper	sig	chr13_108214760
chr2	1922899	1922899	+	2.653E-37	5.0221E-35	-0.32427	hypo	sig	chr2_1922899
chr10	1.3E+08	130013308	+	2.657E-37	5.0288E-35	0.387911	hyper	sig	chr10_130013308
chr13	1.14E+08	114005075	+	2.667E-37	5.0478E-35	-0.44423	hypo	sig	chr13_114005075
chr8	1.41E+08	141299517	+	2.685E-37	5.0796E-35	0.351564	hyper	sig	chr8_141299517
chr1	2E+08	200036138	+	2.707E-37	5.1199E-35	0.396253	hyper	sig	chr1_200036138
chr14	91352285	91352285	+	2.718E-37	5.1396E-35	0.371976	hyper	sig	chr14_91352285
chr1	16018482	16018482	+	2.729E-37	5.1585E-35	0.344306	hyper	sig	chr1_16018482
chr16	85947730	85947730	+	2.74E-37	5.1782E-35	-0.46696	hypo	sig	chr16_85947730
chr13	37870027	37870027	+	2.75E-37	5.1964E-35	0.320513	hyper	sig	chr13_37870027
chr19	5294173	5294173	+	2.777E-37	5.2456E-35	0.319487	hyper	sig	chr19_5294173
chr13	67230207	67230207	+	2.782E-37	5.2548E-35	0.243181	hyper	sig	chr13_67230207
chr9	1.36E+08	136125802	+	2.792E-37	5.2727E-35	-0.36225	hypo	sig	chr9_136125802
chr1	1.44E+08	143652984	+	2.807E-37	5.2988E-35	0.402393	hyper	sig	chr1_143652984
chr8	1.3E+08	130042134	+	2.808E-37	5.2994E-35	-0.38937	hypo	sig	chr8_130042134
chr17	48551038	48551038	+	2.82E-37	5.3215E-35	0.408636	hyper	sig	chr17_48551038
chr6	1.68E+08	167706453	+	2.845E-37	5.3673E-35	-0.38642	hypo	sig	chr6_167706453
chr20	56925542	56925542	+	2.856E-37	5.3874E-35	0.372391	hyper	sig	chr20_56925542
chr22	36861362	36861362	+	2.881E-37	5.4334E-35	-0.39643	hypo	sig	chr22_36861362
chr1	2.21E+08	220884310	+	2.889E-37	5.4468E-35	0.482141	hyper	sig	chr1_220884310
chr17	77377444	77377444	+	2.909E-37	5.484E-35	0.383354	hyper	sig	chr17_77377444
chr6	1.66E+08	165847558	+	2.937E-37	5.535E-35	-0.32327	hypo	sig	chr6_165847558
chr10	49614616	49614616	+	2.938E-37	5.5357E-35	0.297456	hyper	sig	chr10_49614616
chr20	21509877	21509877	+	2.939E-37	5.5363E-35	0.290364	hyper	sig	chr20_21509877
chr19	36797603	36797603	+	2.943E-37	5.542E-35	0.287922	hyper	sig	chr19_36797603
chr11	57647150	57647150	+	2.945E-37	5.5436E-35	0.346333	hyper	sig	chr11_57647150
chr1	16520714	16520714	+	2.949E-37	5.5501E-35	0.374963	hyper	sig	chr1_16520714
chr19	18434294	18434294	+	2.983E-37	5.6139E-35	0.353165	hyper	sig	chr19_18434294

chr4	6693650	6693650	+	2.986E-37	5.6181E-35	-0.3231	hypo	sig	chr4_6693650
chr19	48746978	48746978	+	2.991E-37	5.6254E-35	0.325366	hyper	sig	chr19_48746978
chr9	1.1E+08	109640235	+	2.994E-37	5.6298E-35	0.32178	hyper	sig	chr9_109640235
chr20	21509600	21509600	+	2.997E-37	5.634E-35	0.365912	hyper	sig	chr20_21509600
chr7	2730009	2730009	+	3.006E-37	5.6507E-35	0.400569	hyper	sig	chr7_2730009
chr8	1.41E+08	141299539	+	3.013E-37	5.6627E-35	0.331544	hyper	sig	chr8_141299539
chr3	1.47E+08	147411417	+	3.022E-37	5.6775E-35	0.352124	hyper	sig	chr3_147411417
chr4	2812065	2812065	+	3.052E-37	5.7324E-35	-0.34346	hypo	sig	chr4_2812065
chr7	93890121	93890121	+	3.054E-37	5.7345E-35	0.30684	hyper	sig	chr7_93890121
chr16	21261566	21261566	+	3.058E-37	5.7407E-35	-0.36866	hypo	sig	chr16_21261566
chr1	25567288	25567288	+	3.072E-37	5.7667E-35	0.37061	hyper	sig	chr1_25567288
chr11	20601715	20601715	+	3.105E-37	5.8261E-35	0.377683	hyper	sig	chr11_20601715
chr19	57727573	57727573	+	3.107E-37	5.8287E-35	0.30236	hyper	sig	chr19_57727573
chr4	6322946	6322946	+	3.112E-37	5.8378E-35	-0.49918	hypo	sig	chr4_6322946
chr13	36674267	36674267	+	3.145E-37	5.8985E-35	0.305891	hyper	sig	chr13_36674267
chr6	6003099	6003099	+	3.158E-37	5.9201E-35	0.312949	hyper	sig	chr6_6003099
chr8	1.44E+08	144050367	+	3.175E-37	5.9505E-35	0.469962	hyper	sig	chr8_144050367
chr3	45026310	45026310	+	3.175E-37	5.9508E-35	0.270583	hyper	sig	chr3_45026310
chr19	22634148	22634148	+	3.188E-37	5.9726E-35	0.282726	hyper	sig	chr19_22634148
chr3	1.72E+08	172448452	+	3.189E-37	5.9726E-35	0.384647	hyper	sig	chr3_172448452
chr12	26810588	26810588	+	3.195E-37	5.983E-35	0.351682	hyper	sig	chr12_26810588
chr2	5697297	5697297	+	3.206E-37	6.002E-35	0.306907	hyper	sig	chr2_5697297
chr5	33936415	33936415	+	3.207E-37	6.0022E-35	0.373324	hyper	sig	chr5_33936415
chr6	33898539	33898539	+	3.23E-37	6.0449E-35	-0.33055	hypo	sig	chr6_33898539
chr12	1.33E+08	132904902	+	3.239E-37	6.0596E-35	0.326338	hyper	sig	chr12_132904902
chr7	1237885	1237885	+	3.244E-37	6.0675E-35	0.429707	hyper	sig	chr7_1237885
chr20	63178489	63178489	+	3.248E-37	6.0747E-35	0.401339	hyper	sig	chr20_63178489
chr16	67963997	67963997	+	3.262E-37	6.0987E-35	0.370903	hyper	sig	chr16_67963997
chr14	91352324	91352324	+	3.281E-37	6.1319E-35	0.403175	hyper	sig	chr14_91352324
chr5	1.59E+08	159104630	+	3.28E-37	6.1319E-35	0.429309	hyper	sig	chr5_159104630
chr1	2.28E+08	228341203	+	3.288E-37	6.144E-35	-0.4728	hypo	sig	chr1_228341203
chr16	85415732	85415732	+	3.296E-37	6.1569E-35	0.435515	hyper	sig	chr16_85415732
chr17	80478190	80478190	+	3.297E-37	6.1581E-35	0.400913	hyper	sig	chr17_80478190
chr5	55222870	55222870	+	3.326E-37	6.2096E-35	0.36109	hyper	sig	chr5_55222870
chr8	84182688	84182688	+	3.333E-37	6.2208E-35	0.301109	hyper	sig	chr8_84182688
chr12	65877222	65877222	+	3.342E-37	6.2361E-35	0.402343	hyper	sig	chr12_65877222
chr2	53860152	53860152	+	3.377E-37	6.3017E-35	0.484386	hyper	sig	chr2_53860152
chr16	85366116	85366116	+	3.387E-37	6.3182E-35	0.405801	hyper	sig	chr16_85366116
chr11	2162478	2162478	+	3.397E-37	6.3344E-35	-0.38436	hypo	sig	chr11_2162478
chr1	32753668	32753668	+	3.408E-37	6.3547E-35	0.41277	hyper	sig	chr1_32753668
chr10	1478671	1478671	+	3.42E-37	6.3745E-35	-0.33664	hypo	sig	chr10_1478671
chr3	14556169	14556169	+	3.436E-37	6.4024E-35	-0.31467	hypo	sig	chr3_14556169
chr8	1.01E+08	101494368	+	3.435E-37	6.4024E-35	-0.35324	hypo	sig	chr8_101494368
chr11	3123544	3123544	+	3.485E-37	6.4915E-35	0.367083	hyper	sig	chr11_3123544
chr16	1023532	1023532	+	3.502E-37	6.5214E-35	-0.34258	hypo	sig	chr16_1023532
chr19	45767086	45767086	+	3.502E-37	6.5214E-35	0.371653	hyper	sig	chr19_45767086
chr7	1.5E+08	150340235	+	3.543E-37	6.5962E-35	0.344513	hyper	sig	chr7_150340235
chr8	1.44E+08	144270398	+	3.549E-37	6.6051E-35	0.527362	hyper	sig	chr8_144270398
chr16	51113620	51113620	+	3.551E-37	6.6079E-35	0.30057	hyper	sig	chr16_51113620
chr8	53877109	53877109	+	3.573E-37	6.6474E-35	0.397683	hyper	sig	chr8_53877109
chr11	10729352	10729352	+	3.602E-37	6.6996E-35	0.343212	hyper	sig	chr11_10729352
chr12	1.14E+08	114441191	+	3.636E-37	6.7611E-35	0.378536	hyper	sig	chr12_114441191
chr1	1.62E+08	161605888	+	3.656E-37	6.7965E-35	0.368927	hyper	sig	chr1_161605888
chr11	31800763	31800763	+	3.685E-37	6.8488E-35	0.302764	hyper	sig	chr11_31800763
chr16	31042168	31042168	+	3.69E-37	6.8562E-35	0.494236	hyper	sig	chr16_31042168
chr13	21319142	21319142	+	3.693E-37	6.8606E-35	0.4611	hyper	sig	chr13_21319142

chr13	1.12E+08	112056509	+	3.711E-37	6.8919E-35	0.476961	hyper	sig	chr13_112056509
chr8	1.08E+08	108083144	+	3.732E-37	6.9304E-35	0.374245	hyper	sig	chr8_108083144
chr10	1.28E+08	127738454	+	3.755E-37	6.9689E-35	0.381642	hyper	sig	chr10_127738454
chr17	77409760	77409760	+	3.755E-37	6.9689E-35	0.474336	hyper	sig	chr17_77409760
chr13	57630906	57630906	+	3.78E-37	7.0138E-35	0.293843	hyper	sig	chr13_57630906
chr3	1.47E+08	147423164	+	3.794E-37	7.0392E-35	0.33567	hyper	sig	chr3_147423164
chr16	3305314	3305314	+	3.806E-37	7.0588E-35	0.290144	hyper	sig	chr16_3305314
chr6	28635396	28635396	+	3.843E-37	7.1258E-35	0.289449	hyper	sig	chr6_28635396
chr1	2.28E+08	228371374	+	3.849E-37	7.1358E-35	-0.42028	hypo	sig	chr1_228371374
chr13	23160624	23160624	+	3.871E-37	7.1741E-35	0.445148	hyper	sig	chr13_23160624
chr4	1.33E+08	133148418	+	3.899E-37	7.2238E-35	0.346881	hyper	sig	chr4_133148418
chr9	2623568	2623568	+	3.899E-37	7.2238E-35	0.359647	hyper	sig	chr9_2623568
chr13	1.12E+08	112056470	+	3.915E-37	7.2521E-35	0.507212	hyper	sig	chr13_112056470
chr17	78723553	78723553	+	3.942E-37	7.2991E-35	0.380314	hyper	sig	chr17_78723553
chr8	1.08E+08	108083120	+	3.948E-37	7.3096E-35	0.380719	hyper	sig	chr8_108083120
chr14	99215373	99215373	+	3.95E-37	7.3104E-35	0.378654	hyper	sig	chr14_99215373
chr2	2.38E+08	237739270	+	3.98E-37	7.365E-35	0.332241	hyper	sig	chr2_237739270
chr12	1.14E+08	114440765	+	3.997E-37	7.3939E-35	0.375604	hyper	sig	chr12_114440765
chr5	1.59E+08	159104871	+	3.997E-37	7.3939E-35	0.4942	hyper	sig	chr5_159104871
chr3	10816720	10816720	+	4.013E-37	7.4211E-35	0.339373	hyper	sig	chr3_10816720
chr19	53520810	53520810	+	4.023E-37	7.4375E-35	0.212675	hyper	sig	chr19_53520810
chr5	1.71E+08	171309212	+	4.05E-37	7.4858E-35	0.340661	hyper	sig	chr5_171309212
chr3	1.47E+08	147423093	+	4.051E-37	7.4869E-35	0.373139	hyper	sig	chr3_147423093
chr6	1.09E+08	109294376	+	4.058E-37	7.4966E-35	-0.31766	hypo	sig	chr6_109294376
chr1	2.02E+08	201501339	+	4.103E-37	7.5779E-35	0.334223	hyper	sig	chr1_201501339
chr11	93553004	93553004	+	4.103E-37	7.5779E-35	-0.32979	hypo	sig	chr11_93553004
chr10	1.16E+08	116272526	+	4.139E-37	7.642E-35	0.33664	hyper	sig	chr10_116272526
chr6	37649007	37649007	+	4.154E-37	7.6682E-35	0.459296	hyper	sig	chr6_37649007
chr16	88978273	88978273	+	4.156E-37	7.669E-35	-0.36977	hypo	sig	chr16_88978273
chr11	67646859	67646859	+	4.173E-37	7.6987E-35	-0.42683	hypo	sig	chr11_67646859
chr19	56393608	56393608	+	4.225E-37	7.7943E-35	0.264016	hyper	sig	chr19_56393608
chr16	29156573	29156573	+	4.234E-37	7.8079E-35	-0.39611	hypo	sig	chr16_29156573
chr12	84912544	84912544	+	4.269E-37	7.8684E-35	0.391454	hyper	sig	chr12_84912544
chr13	27953118	27953118	+	4.268E-37	7.8684E-35	-0.29897	hypo	sig	chr13_27953118
chr22	50578722	50578722	+	4.296E-37	7.9167E-35	0.393252	hyper	sig	chr22_50578722
chr17	82247724	82247724	+	4.301E-37	7.9248E-35	0.306645	hyper	sig	chr17_82247724
chr6	1.49E+08	148557266	+	4.304E-37	7.9276E-35	-0.36712	hypo	sig	chr6_148557266
chr2	2.22E+08	222300148	+	4.309E-37	7.9366E-35	0.348355	hyper	sig	chr2_222300148
chr7	1224409	1224409	+	4.343E-37	7.9966E-35	0.474312	hyper	sig	chr7_1224409
chr1	9321258	9321258	+	4.405E-37	8.1094E-35	0.337107	hyper	sig	chr1_9321258
chr16	4006348	4006348	+	4.434E-37	8.1598E-35	0.356847	hyper	sig	chr16_4006348
chr10	22345307	22345307	+	4.482E-37	8.2477E-35	0.366887	hyper	sig	chr10_22345307
chr7	37449214	37449214	+	4.524E-37	8.3225E-35	0.268526	hyper	sig	chr7_37449214
chr4	3304950	3304950	+	4.578E-37	8.4198E-35	0.364137	hyper	sig	chr4_3304950
chr2	1.05E+08	104856643	+	4.613E-37	8.4816E-35	0.312187	hyper	sig	chr2_104856643
chr17	50571329	50571329	+	4.618E-37	8.4883E-35	-0.40934	hypo	sig	chr17_50571329
chr5	1.81E+08	181100547	+	4.618E-37	8.4883E-35	0.311284	hyper	sig	chr5_181100547
chr13	27923333	27923333	+	4.623E-37	8.4946E-35	0.453112	hyper	sig	chr13_27923333
chr1	6276651	6276651	+	4.645E-37	8.5339E-35	0.419135	hyper	sig	chr1_6276651
chr9	13278605	13278605	+	4.65E-37	8.5412E-35	0.329095	hyper	sig	chr9_13278605
chr13	1.13E+08	112757247	+	4.659E-37	8.556E-35	-0.36038	hypo	sig	chr13_112757247
chr16	566220	566220	+	4.664E-37	8.5625E-35	0.434216	hyper	sig	chr16_566220
chr1	2.27E+08	226736547	+	4.675E-37	8.5779E-35	0.351649	hyper	sig	chr1_226736547
chr19	50344767	50344767	+	4.674E-37	8.5779E-35	-0.37458	hypo	sig	chr19_50344767
chr5	1.41E+08	140794969	+	4.711E-37	8.6432E-35	0.36779	hyper	sig	chr5_140794969
chr8	13100614	13100614	+	4.751E-37	8.7142E-35	0.388122	hyper	sig	chr8_13100614

chr6	90363799	90363799	+	4.758E-37	8.7248E-35	-0.36431	hypo	sig	chr6_90363799
chr5	33936111	33936111	+	4.786E-37	8.7739E-35	0.299855	hyper	sig	chr5_33936111
chr1	1.13E+08	112850694	+	4.805E-37	8.8075E-35	-0.3298	hypo	sig	chr1_112850694
chr8	1.2E+08	120125276	+	4.844E-37	8.8762E-35	0.339885	hyper	sig	chr8_120125276
chr17	57954215	57954215	+	4.86E-37	8.9043E-35	0.321008	hyper	sig	chr17_57954215
chr7	1.59E+08	159065807	+	4.866E-37	8.9138E-35	-0.38648	hypo	sig	chr7_159065807
chr22	36324171	36324171	+	4.871E-37	8.9198E-35	0.342853	hyper	sig	chr22_36324171
chr5	1.41E+08	141476826	+	4.886E-37	8.945E-35	0.276471	hyper	sig	chr5_141476826
chr19	47451746	47451746	+	4.891E-37	8.952E-35	-0.36056	hypo	sig	chr19_47451746
chr20	56004290	56004290	+	4.953E-37	9.0646E-35	0.387898	hyper	sig	chr20_56004290
chr6	32070378	32070378	+	4.957E-37	9.0697E-35	-0.39046	hypo	sig	chr6_32070378
chr10	60732536	60732536	+	4.962E-37	9.0766E-35	-0.29211	hypo	sig	chr10_60732536
chr14	51094076	51094076	+	4.973E-37	9.0953E-35	0.380033	hyper	sig	chr14_51094076
chr3	1.47E+08	147397256	+	5.045E-37	9.2237E-35	0.31029	hyper	sig	chr3_147397256
chr11	45094044	45094044	+	5.074E-37	9.2749E-35	-0.33275	hypo	sig	chr11_45094044
chr12	1.24E+08	124379925	+	5.1E-37	9.32E-35	0.347209	hyper	sig	chr12_124379925
chr17	1186987	1186987	+	5.241E-37	9.5766E-35	0.373388	hyper	sig	chr17_1186987
chr13	24511144	24511144	+	5.326E-37	9.7288E-35	-0.33906	hypo	sig	chr13_24511144
chr13	93227015	93227015	+	5.328E-37	9.7313E-35	0.440379	hyper	sig	chr13_93227015
chr1	1.81E+08	180913537	+	5.376E-37	9.8166E-35	0.328549	hyper	sig	chr1_180913537
chr10	486460	486460	+	5.402E-37	9.8622E-35	0.324678	hyper	sig	chr10_486460
chr17	48554611	48554611	+	5.421E-37	9.8944E-35	0.378964	hyper	sig	chr17_48554611
chr16	85947745	85947745	+	5.436E-37	9.9193E-35	-0.47439	hypo	sig	chr16_85947745
chr2	1923135	1923135	+	5.448E-37	9.938E-35	-0.34971	hypo	sig	chr2_1923135
chr8	48923590	48923590	+	5.484E-37	1.0003E-34	-0.40791	hypo	sig	chr8_48923590
chr1	3141598	3141598	+	5.487E-37	1.0003E-34	-0.35203	hypo	sig	chr1_3141598
chr14	91352302	91352302	+	5.486E-37	1.0003E-34	0.386169	hyper	sig	chr14_91352302
chr16	58464850	58464850	+	5.506E-37	1.0036E-34	0.347617	hyper	sig	chr16_58464850
chr10	30028759	30028759	+	5.509E-37	1.0039E-34	0.327725	hyper	sig	chr10_30028759
chr13	1.13E+08	113406004	+	5.544E-37	1.0101E-34	-0.41785	hypo	sig	chr13_113406004
chr7	8444074	8444074	+	5.578E-37	1.016E-34	0.488437	hyper	sig	chr7_8444074
chr7	21967959	21967959	+	5.592E-37	1.0183E-34	-0.31433	hypo	sig	chr7_21967959
chr3	61564860	61564860	+	5.628E-37	1.0246E-34	0.378122	hyper	sig	chr3_61564860
chr7	1.01E+08	100874622	+	5.664E-37	1.0309E-34	0.375855	hyper	sig	chr7_100874622
chr4	1.55E+08	155208624	+	5.671E-37	1.032E-34	0.325672	hyper	sig	chr4_155208624
chr12	54000322	54000322	+	5.732E-37	1.0428E-34	0.336864	hyper	sig	chr12_54000322
chr1	1.47E+08	147079018	+	5.756E-37	1.0469E-34	0.397742	hyper	sig	chr1_147079018
chr2	2.39E+08	239308987	+	5.757E-37	1.0469E-34	0.327096	hyper	sig	chr2_239308987
chr15	75234883	75234883	+	5.758E-37	1.0469E-34	-0.3974	hypo	sig	chr15_75234883
chr1	1.44E+08	143661922	+	5.82E-37	1.058E-34	0.344109	hyper	sig	chr1_143661922
chr19	37507034	37507034	+	5.824E-37	1.0584E-34	0.265617	hyper	sig	chr19_37507034
chr19	12721090	12721090	+	5.858E-37	1.0643E-34	0.351312	hyper	sig	chr19_12721090
chr5	1.41E+08	141332874	+	5.877E-37	1.0676E-34	0.390765	hyper	sig	chr5_141332874
chr16	86513971	86513971	+	5.886E-37	1.069E-34	0.451599	hyper	sig	chr16_86513971
chr19	15264472	15264472	+	5.895E-37	1.0703E-34	0.367591	hyper	sig	chr19_15264472
chr2	1.82E+08	181684597	+	5.946E-37	1.0794E-34	0.396294	hyper	sig	chr2_181684597
chr20	24470871	24470871	+	6.007E-37	1.0903E-34	0.359444	hyper	sig	chr20_24470871
chr19	58440159	58440159	+	6.032E-37	1.0945E-34	0.23412	hyper	sig	chr19_58440159
chr5	37838389	37838389	+	6.057E-37	1.0988E-34	0.296188	hyper	sig	chr5_37838389
chr21	26967036	26967036	+	6.068E-37	1.1006E-34	0.367214	hyper	sig	chr21_26967036
chr5	2753724	2753724	+	6.086E-37	1.1036E-34	0.354199	hyper	sig	chr5_2753724
chr11	31825292	31825292	+	6.099E-37	1.1056E-34	0.383509	hyper	sig	chr11_31825292
chr9	1.33E+08	132579796	+	6.13E-37	1.111E-34	0.320103	hyper	sig	chr9_132579796
chr4	1.53E+08	152935404	+	6.157E-37	1.1156E-34	-0.30999	hypo	sig	chr4_152935404
chr13	37869986	37869986	+	6.175E-37	1.1186E-34	0.338539	hyper	sig	chr13_37869986
chr15	39582665	39582665	+	6.244E-37	1.1309E-34	0.484451	hyper	sig	chr15_39582665

chr8	30912642	30912642	+	6.297E-37	1.1403E-34	0.295083	hyper	sig	chr8_30912642
chr1	1.53E+08	153390544	+	6.299E-37	1.1405E-34	-0.33741	hypo	sig	chr1_153390544
chr14	1.04E+08	103519995	+	6.34E-37	1.1475E-34	0.352343	hyper	sig	chr14_103519995
chr17	78853006	78853006	+	6.362E-37	1.1512E-34	-0.32255	hypo	sig	chr17_78853006
chr5	1.46E+08	146379219	+	6.376E-37	1.1536E-34	0.374258	hyper	sig	chr5_146379219
chr3	62374253	62374253	+	6.387E-37	1.1553E-34	0.372161	hyper	sig	chr3_62374253
chr6	34556921	34556921	+	6.441E-37	1.1648E-34	0.302797	hyper	sig	chr6_34556921
chr5	1.41E+08	141433047	+	6.465E-37	1.1688E-34	0.38584	hyper	sig	chr5_141433047
chr18	46333643	46333643	+	6.506E-37	1.176E-34	0.270925	hyper	sig	chr18_46333643
chr12	72273594	72273594	+	6.549E-37	1.1836E-34	0.389004	hyper	sig	chr12_72273594
chr11	1.19E+08	118531832	+	6.558E-37	1.185E-34	0.465409	hyper	sig	chr11_118531832
chr10	1.25E+08	125023928	+	6.576E-37	1.1879E-34	0.460035	hyper	sig	chr10_125023928
chr17	1186981	1186981	+	6.58E-37	1.1884E-34	0.386107	hyper	sig	chr17_1186981
chr1	3293330	3293330	+	6.642E-37	1.1994E-34	-0.39455	hypo	sig	chr1_3293330
chr3	1.47E+08	147388776	+	6.654E-37	1.2012E-34	0.327993	hyper	sig	chr3_147388776
chr13	26760139	26760139	+	6.695E-37	1.2084E-34	0.325076	hyper	sig	chr13_26760139
chr6	41443343	41443343	+	6.715E-37	1.2116E-34	0.361589	hyper	sig	chr6_41443343
chr2	2.42E+08	241659410	+	6.758E-37	1.2191E-34	0.461217	hyper	sig	chr2_241659410
chr2	2.34E+08	233939125	+	6.807E-37	1.2277E-34	0.395371	hyper	sig	chr2_233939125
chr3	1.47E+08	147421752	+	6.81E-37	1.228E-34	0.359055	hyper	sig	chr3_147421752
chr1	2.21E+08	220895716	+	6.845E-37	1.2341E-34	0.491626	hyper	sig	chr1_220895716
chr1	31772285	31772285	+	6.865E-37	1.2373E-34	0.339777	hyper	sig	chr1_31772285
chr17	2491105	2491105	+	6.882E-37	1.2401E-34	0.35814	hyper	sig	chr17_2491105
chr19	57888793	57888793	+	6.981E-37	1.2576E-34	0.284365	hyper	sig	chr19_57888793
chr17	81472139	81472139	+	6.999E-37	1.2607E-34	0.357257	hyper	sig	chr17_81472139
chr13	27926732	27926732	+	7.007E-37	1.2618E-34	0.476344	hyper	sig	chr13_27926732
chr2	2.32E+08	232387969	+	7.008E-37	1.2618E-34	0.470988	hyper	sig	chr2_232387969
chr14	50873626	50873626	+	7.012E-37	1.2622E-34	-0.37112	hypo	sig	chr14_50873626
chr6	28810344	28810344	+	7.028E-37	1.2648E-34	0.340882	hyper	sig	chr6_28810344
chr14	1.05E+08	104844721	+	7.035E-37	1.2658E-34	0.385114	hyper	sig	chr14_104844721
chr8	56445577	56445577	+	7.075E-37	1.2727E-34	0.346128	hyper	sig	chr8_56445577
chr1	2073826	2073826	+	7.096E-37	1.2762E-34	0.403388	hyper	sig	chr1_2073826
chr3	1.3E+08	129975350	+	7.119E-37	1.28E-34	0.457028	hyper	sig	chr3_129975350
chr12	54090493	54090493	+	7.124E-37	1.2807E-34	0.325657	hyper	sig	chr12_54090493
chr1	92480568	92480568	+	7.13E-37	1.2814E-34	0.423568	hyper	sig	chr1_92480568
chr1	1.44E+08	143905691	+	7.194E-37	1.2926E-34	0.288719	hyper	sig	chr1_143905691
chr11	1.04E+08	104038059	+	7.224E-37	1.2976E-34	-0.31682	hypo	sig	chr11_104038059
chr5	1.42E+08	141513225	+	7.259E-37	1.3038E-34	0.367272	hyper	sig	chr5_141513225
chr8	49910570	49910570	+	7.302E-37	1.3111E-34	0.317445	hyper	sig	chr8_49910570
chr19	35558523	35558523	+	7.309E-37	1.3121E-34	0.440921	hyper	sig	chr19_35558523
chr13	36297692	36297692	+	7.333E-37	1.3161E-34	0.312312	hyper	sig	chr13_36297692
chr4	95548129	95548129	+	7.391E-37	1.3262E-34	0.297018	hyper	sig	chr4_95548129
chr13	22841748	22841748	+	7.426E-37	1.332E-34	-0.31455	hypo	sig	chr13_22841748
chr3	12938713	12938713	+	7.426E-37	1.332E-34	0.401812	hyper	sig	chr3_12938713
chr2	27308230	27308230	+	7.455E-37	1.3369E-34	0.41327	hyper	sig	chr2_27308230
chr9	1045651	1045651	+	7.459E-37	1.3373E-34	0.326145	hyper	sig	chr9_1045651
chr15	68559127	68559127	+	7.55E-37	1.3533E-34	-0.34204	hypo	sig	chr15_68559127
chr5	42944210	42944210	+	7.556E-37	1.3541E-34	0.440911	hyper	sig	chr5_42944210
chr18	10413900	10413900	+	7.579E-37	1.3579E-34	-0.38446	hypo	sig	chr18_10413900
chr14	99215452	99215452	+	7.596E-37	1.3606E-34	0.369094	hyper	sig	chr14_99215452
chr3	1.88E+08	187669813	+	7.6E-37	1.361E-34	0.331151	hyper	sig	chr3_187669813
chr1	1.71E+08	170661386	+	7.625E-37	1.3652E-34	0.369058	hyper	sig	chr1_170661386
chr4	78056168	78056168	+	7.643E-37	1.3681E-34	0.395368	hyper	sig	chr4_78056168
chr20	21517731	21517731	+	7.663E-37	1.3715E-34	0.402352	hyper	sig	chr20_21517731
chr20	25082187	25082187	+	7.716E-37	1.3805E-34	0.39102	hyper	sig	chr20_25082187
chr4	6693995	6693995	+	7.736E-37	1.3839E-34	-0.41863	hypo	sig	chr4_6693995

chr12	1.32E+08	132344173	+	7.74E-37	1.3843E-34	0.386384	hyper	sig	chr12_132344173
chr7	37449359	37449359	+	7.766E-37	1.3886E-34	0.318264	hyper	sig	chr7_37449359
chr15	63041665	63041665	+	7.803E-37	1.395E-34	0.306118	hyper	sig	chr15_63041665
chr17	1187125	1187125	+	7.83E-37	1.3995E-34	0.331232	hyper	sig	chr17_1187125
chr5	43044584	43044584	+	7.833E-37	1.3997E-34	0.349043	hyper	sig	chr5_43044584
chr19	16283823	16283823	+	7.918E-37	1.4146E-34	0.297992	hyper	sig	chr19_16283823
chr7	27108644	27108644	+	7.921E-37	1.4149E-34	0.460429	hyper	sig	chr7_27108644
chr3	13019444	13019444	+	7.932E-37	1.4165E-34	0.338308	hyper	sig	chr3_13019444
chr7	1.37E+08	136868860	+	7.989E-37	1.4263E-34	0.351157	hyper	sig	chr7_136868860
chr11	44311121	44311121	+	8E-37	1.4279E-34	0.347791	hyper	sig	chr11_44311121
chr12	1.33E+08	132837817	+	8.001E-37	1.4279E-34	0.382958	hyper	sig	chr12_132837817
chr8	48735419	48735419	+	8.058E-37	1.4377E-34	0.359319	hyper	sig	chr8_48735419
chr17	48550868	48550868	+	8.065E-37	1.4386E-34	0.420213	hyper	sig	chr17_48550868
chr20	56004299	56004299	+	8.068E-37	1.4388E-34	0.390632	hyper	sig	chr20_56004299
chr5	11903187	11903187	+	8.083E-37	1.4411E-34	0.362671	hyper	sig	chr5_11903187
chr5	37835863	37835863	+	8.094E-37	1.4429E-34	0.361794	hyper	sig	chr5_37835863
chr1	1.48E+08	148310023	+	8.121E-37	1.4473E-34	0.436699	hyper	sig	chr1_148310023
chr6	32745202	32745202	+	8.141E-37	1.4506E-34	-0.34729	hypo	sig	chr6_32745202
chr3	13019440	13019440	+	8.178E-37	1.4568E-34	0.336446	hyper	sig	chr3_13019440
chr15	75661671	75661671	+	8.224E-37	1.4648E-34	0.366282	hyper	sig	chr15_75661671
chr13	1.1E+08	110308093	+	8.23E-37	1.4655E-34	0.366886	hyper	sig	chr13_110308093
chr7	25859498	25859498	+	8.377E-37	1.4914E-34	-0.39796	hypo	sig	chr7_25859498
chr9	1.3E+08	129620717	+	8.455E-37	1.5048E-34	0.441032	hyper	sig	chr9_129620717
chr7	28410382	28410382	+	8.485E-37	1.5099E-34	0.326748	hyper	sig	chr7_28410382
chr8	54466472	54466472	+	8.503E-37	1.5127E-34	0.471288	hyper	sig	chr8_54466472
chr3	27723319	27723319	+	8.513E-37	1.514E-34	0.354096	hyper	sig	chr3_27723319
chr5	51389882	51389882	+	8.514E-37	1.514E-34	0.32088	hyper	sig	chr5_51389882
chr6	1E+08	100447333	+	8.55E-37	1.5201E-34	0.348961	hyper	sig	chr6_100447333
chr17	35774229	35774229	+	8.555E-37	1.5206E-34	0.410465	hyper	sig	chr17_35774229
chr16	51156260	51156260	+	8.562E-37	1.5217E-34	0.393893	hyper	sig	chr16_51156260
chr10	27746279	27746279	+	8.694E-37	1.5447E-34	0.278123	hyper	sig	chr10_27746279
chr16	29289342	29289342	+	8.717E-37	1.5485E-34	-0.33015	hypo	sig	chr16_29289342
chr12	64825622	64825622	+	8.883E-37	1.5777E-34	0.313291	hyper	sig	chr12_64825622
chr17	48726845	48726845	+	8.896E-37	1.5796E-34	0.350749	hyper	sig	chr17_48726845
chr11	71206525	71206525	+	8.916E-37	1.5828E-34	0.410757	hyper	sig	chr11_71206525
chr5	1.77E+08	177492600	+	8.939E-37	1.5865E-34	0.266273	hyper	sig	chr5_177492600
chr9	1.3E+08	129669258	+	8.943E-37	1.5868E-34	-0.40322	hypo	sig	chr9_129669258
chr13	23547314	23547314	+	8.954E-37	1.5884E-34	0.425281	hyper	sig	chr13_23547314
chr2	2.39E+08	239308968	+	8.972E-37	1.5913E-34	0.325994	hyper	sig	chr2_239308968
chr2	1633306	1633306	+	9.025E-37	1.6003E-34	-0.4487	hypo	sig	chr2_1633306
chr11	60757100	60757100	+	9.059E-37	1.6061E-34	-0.33089	hypo	sig	chr11_60757100
chr8	71842943	71842943	+	9.171E-37	1.6256E-34	0.307679	hyper	sig	chr8_71842943
chr14	73718580	73718580	+	9.195E-37	1.6294E-34	0.361109	hyper	sig	chr14_73718580
chr1	44638261	44638261	+	9.22E-37	1.6335E-34	0.352483	hyper	sig	chr1_44638261
chr8	71842799	71842799	+	9.243E-37	1.6372E-34	0.341839	hyper	sig	chr8_71842799
chr19	1908389	1908389	+	9.246E-37	1.6374E-34	-0.4073	hypo	sig	chr19_1908389
chr13	23547303	23547303	+	9.281E-37	1.6432E-34	0.41541	hyper	sig	chr13_23547303
chr19	48414948	48414948	+	9.31E-37	1.648E-34	0.464919	hyper	sig	chr19_48414948
chr14	1.05E+08	104637410	+	9.321E-37	1.6497E-34	-0.46152	hypo	sig	chr14_104637410
chr4	1212186	1212186	+	9.324E-37	1.6498E-34	0.344052	hyper	sig	chr4_1212186
chr19	37507046	37507046	+	9.419E-37	1.6661E-34	0.250683	hyper	sig	chr19_37507046
chr1	24931728	24931728	+	9.451E-37	1.6715E-34	0.416944	hyper	sig	chr1_24931728
chr3	1.93E+08	192727196	+	9.472E-37	1.6748E-34	0.304363	hyper	sig	chr3_192727196
chr7	1.56E+08	155532875	+	9.502E-37	1.6797E-34	0.332866	hyper	sig	chr7_155532875
chr5	42953516	42953516	+	9.54E-37	1.6862E-34	0.388608	hyper	sig	chr5_42953516
chr12	13049925	13049925	+	9.609E-37	1.698E-34	0.449042	hyper	sig	chr12_13049925

chr7	1.58E+08	157684259	+	9.623E-37	1.7001E-34	0.474468	hyper	sig	chr7_157684259
chr19	18429056	18429056	+	9.645E-37	1.7036E-34	0.328989	hyper	sig	chr19_18429056
chr5	1876260	1876260	+	9.689E-37	1.711E-34	0.360331	hyper	sig	chr5_1876260
chr19	58009792	58009792	+	9.755E-37	1.7223E-34	0.293275	hyper	sig	chr19_58009792
chr13	1.13E+08	113109886	+	9.758E-37	1.7224E-34	0.480268	hyper	sig	chr13_113109886
chr20	5315690	5315690	+	9.816E-37	1.7323E-34	0.37355	hyper	sig	chr20_5315690
chr17	45429818	45429818	+	9.877E-37	1.7427E-34	0.457702	hyper	sig	chr17_45429818
chr6	1.66E+08	165686769	+	9.904E-37	1.747E-34	0.268705	hyper	sig	chr6_165686769
chr7	1.59E+08	158974379	+	9.926E-37	1.7505E-34	-0.36822	hypo	sig	chr7_158974379
chr12	1.11E+08	111034164	+	9.973E-37	1.7586E-34	0.386998	hyper	sig	chr12_111034164
chr2	911072	911072	+	9.992E-37	1.7614E-34	-0.38157	hypo	sig	chr2_911072
chr13	1.02E+08	101919839	+	9.995E-37	1.7616E-34	0.40397	hyper	sig	chr13_101919839
chr5	42944347	42944347	+	1.001E-36	1.7635E-34	0.409506	hyper	sig	chr5_42944347
chr1	2.08E+08	207669784	+	1.003E-36	1.7672E-34	0.283432	hyper	sig	chr1_207669784
chr13	1.12E+08	111561820	+	1.009E-36	1.7767E-34	-0.40488	hypo	sig	chr13_111561820
chr13	1.13E+08	113147402	+	1.013E-36	1.7838E-34	-0.40976	hypo	sig	chr13_113147402
chr12	4910782	4910782	+	1.015E-36	1.7876E-34	0.332594	hyper	sig	chr12_4910782
chr19	49043491	49043491	+	1.018E-36	1.7915E-34	-0.35918	hypo	sig	chr19_49043491
chr7	27124260	27124260	+	1.018E-36	1.7915E-34	0.36205	hyper	sig	chr7_27124260
chr4	6693981	6693981	+	1.02E-36	1.794E-34	-0.37705	hypo	sig	chr4_6693981
chr6	1.6E+08	160350159	+	1.021E-36	1.7959E-34	-0.388	hypo	sig	chr6_160350159
chr6	98825251	98825251	+	1.028E-36	1.807E-34	0.344145	hyper	sig	chr6_98825251
chr11	28526041	28526041	+	1.031E-36	1.8124E-34	-0.34478	hypo	sig	chr11_28526041
chr7	93043701	93043701	+	1.031E-36	1.8124E-34	0.387555	hyper	sig	chr7_93043701
chr8	1.42E+08	142120249	+	1.038E-36	1.8245E-34	-0.37867	hypo	sig	chr8_142120249
chr16	1002768	1002768	+	1.041E-36	1.8297E-34	-0.45891	hypo	sig	chr16_1002768
chr19	15803779	15803779	+	1.042E-36	1.8313E-34	-0.33585	hypo	sig	chr19_15803779
chr10	27746261	27746261	+	1.059E-36	1.8592E-34	0.27886	hyper	sig	chr10_27746261
chr10	7666327	7666327	+	1.075E-36	1.8885E-34	0.294172	hyper	sig	chr10_7666327
chr10	50024971	50024971	+	1.076E-36	1.8887E-34	0.338843	hyper	sig	chr10_50024971
chr22	37282448	37282448	+	1.077E-36	1.8901E-34	-0.29602	hypo	sig	chr22_37282448
chr4	7812132	7812132	+	1.079E-36	1.8929E-34	0.360781	hyper	sig	chr4_7812132
chr4	20179273	20179273	+	1.082E-36	1.898E-34	-0.36216	hypo	sig	chr4_20179273
chr16	30821238	30821238	+	1.084E-36	1.9006E-34	-0.43851	hypo	sig	chr16_30821238
chr15	25804632	25804632	+	1.085E-36	1.903E-34	-0.29963	hypo	sig	chr15_25804632
chr7	8444060	8444060	+	1.108E-36	1.9432E-34	0.482208	hyper	sig	chr7_8444060
chr1	2.03E+08	203166768	+	1.115E-36	1.9547E-34	-0.36387	hypo	sig	chr1_203166768
chr19	22010531	22010531	+	1.121E-36	1.9641E-34	0.36673	hyper	sig	chr19_22010531
chr1	2.26E+08	226128156	+	1.123E-36	1.9678E-34	-0.35074	hypo	sig	chr1_226128156
chr14	26598887	26598887	+	1.131E-36	1.9818E-34	0.293315	hyper	sig	chr14_26598887
chr2	5677353	5677353	+	1.136E-36	1.9896E-34	-0.45161	hypo	sig	chr2_5677353
chr5	1.34E+08	134113851	+	1.138E-36	1.9922E-34	0.346705	hyper	sig	chr5_134113851
chr11	1.04E+08	104165037	+	1.141E-36	1.9977E-34	-0.39877	hypo	sig	chr11_104165037
chr13	36345806	36345806	+	1.141E-36	1.9978E-34	0.385471	hyper	sig	chr13_36345806
chr17	81472118	81472118	+	1.142E-36	1.9984E-34	0.356714	hyper	sig	chr17_81472118
chr13	1.12E+08	112056493	+	1.146E-36	2.0049E-34	0.452958	hyper	sig	chr13_112056493
chr2	25252956	25252956	+	1.149E-36	2.0101E-34	0.431715	hyper	sig	chr2_25252956
chr6	32843044	32843044	+	1.158E-36	2.0258E-34	-0.3424	hypo	sig	chr6_32843044
chr17	63968155	63968155	+	1.161E-36	2.0292E-34	-0.42055	hypo	sig	chr17_63968155
chr5	1.41E+08	141403190	+	1.161E-36	2.0295E-34	0.378102	hyper	sig	chr5_141403190
chr8	1.41E+08	140527588	+	1.162E-36	2.0306E-34	0.390626	hyper	sig	chr8_140527588
chr20	63178475	63178475	+	1.165E-36	2.0348E-34	0.383321	hyper	sig	chr20_63178475
chr12	54000355	54000355	+	1.168E-36	2.0409E-34	0.293541	hyper	sig	chr12_54000355
chr11	66267284	66267284	+	1.176E-36	2.0534E-34	0.375451	hyper	sig	chr11_66267284
chr20	16573853	16573853	+	1.178E-36	2.0563E-34	-0.39955	hypo	sig	chr20_16573853
chr5	1.71E+08	171309241	+	1.181E-36	2.0614E-34	0.352499	hyper	sig	chr5_171309241

chr19	49024648	49024648	+	1.201E-36	2.0965E-34	-0.38715	hypo	sig	chr19_49024648
chr6	1.68E+08	167678332	+	1.202E-36	2.0967E-34	0.393572	hyper	sig	chr6_167678332
chr11	69382451	69382451	+	1.205E-36	2.1018E-34	-0.44725	hypo	sig	chr11_69382451
chr16	3690904	3690904	+	1.205E-36	2.1021E-34	0.341602	hyper	sig	chr16_3690904
chr3	1.38E+08	137761318	+	1.208E-36	2.107E-34	0.390973	hyper	sig	chr3_137761318
chr13	78586932	78586932	+	1.213E-36	2.1147E-34	0.396569	hyper	sig	chr13_78586932
chr7	1.56E+08	155509080	+	1.213E-36	2.1147E-34	0.353958	hyper	sig	chr7_155509080
chr1	1.46E+08	146486805	+	1.216E-36	2.1195E-34	0.319109	hyper	sig	chr1_146486805
chr14	94936813	94936813	+	1.217E-36	2.1203E-34	0.391719	hyper	sig	chr14_94936813
chr16	29157098	29157098	+	1.231E-36	2.1442E-34	-0.44177	hypo	sig	chr16_29157098
chr17	19580329	19580329	+	1.24E-36	2.1599E-34	0.309922	hyper	sig	chr17_19580329
chr1	91804968	91804968	+	1.252E-36	2.1796E-34	-0.3667	hypo	sig	chr1_91804968
chr5	1.62E+08	161548786	+	1.255E-36	2.1852E-34	0.273563	hyper	sig	chr5_161548786
chr5	42944355	42944355	+	1.257E-36	2.1881E-34	0.39907	hyper	sig	chr5_42944355
chr19	4531687	4531687	+	1.258E-36	2.1889E-34	-0.32741	hypo	sig	chr19_4531687
chr6	1.52E+08	151809024	+	1.262E-36	2.1963E-34	0.443584	hyper	sig	chr6_151809024
chr3	1.97E+08	196978752	+	1.264E-36	2.1992E-34	0.372698	hyper	sig	chr3_196978752
chr6	1.59E+08	158649927	+	1.267E-36	2.2042E-34	-0.37172	hypo	sig	chr6_158649927
chr4	4383316	4383316	+	1.273E-36	2.2132E-34	-0.37865	hypo	sig	chr4_4383316
chr3	48425383	48425383	+	1.274E-36	2.2149E-34	0.411673	hyper	sig	chr3_48425383
chr1	20553085	20553085	+	1.278E-36	2.2207E-34	0.44	hyper	sig	chr1_20553085
chr19	53037646	53037646	+	1.278E-36	2.2207E-34	0.360193	hyper	sig	chr19_53037646
chr8	1.44E+08	144046818	+	1.29E-36	2.2414E-34	-0.45245	hypo	sig	chr8_144046818
chr6	32855134	32855134	+	1.3E-36	2.2587E-34	-0.32291	hypo	sig	chr6_32855134
chr1	2.03E+08	203277286	+	1.303E-36	2.2624E-34	0.371667	hyper	sig	chr1_203277286
chr13	1.14E+08	114131252	+	1.303E-36	2.2624E-34	0.3538	hyper	sig	chr13_114131252
chr1	50417719	50417719	+	1.31E-36	2.2733E-34	0.317206	hyper	sig	chr1_50417719
chr7	1.52E+08	151745270	+	1.312E-36	2.2771E-34	-0.36212	hypo	sig	chr7_151745270
chr6	41101380	41101380	+	1.319E-36	2.2892E-34	0.399747	hyper	sig	chr6_41101380
chr21	42668744	42668744	+	1.329E-36	2.3053E-34	0.343356	hyper	sig	chr21_42668744
chr4	1.74E+08	173528865	+	1.333E-36	2.312E-34	0.391141	hyper	sig	chr4_173528865
chr13	1.14E+08	114005139	+	1.34E-36	2.3231E-34	-0.48425	hypo	sig	chr13_114005139
chr1	12167818	12167818	+	1.344E-36	2.3301E-34	-0.33416	hypo	sig	chr1_12167818
chr17	3720178	3720178	+	1.344E-36	2.3301E-34	-0.30299	hypo	sig	chr17_3720178
chr1	1.67E+08	166886612	+	1.35E-36	2.3386E-34	0.307152	hyper	sig	chr1_166886612
chr12	4909931	4909931	+	1.35E-36	2.3386E-34	0.366889	hyper	sig	chr12_4909931
chr4	1.51E+08	150581812	+	1.356E-36	2.3478E-34	0.416555	hyper	sig	chr4_150581812
chr19	57584133	57584133	+	1.365E-36	2.363E-34	0.354651	hyper	sig	chr19_57584133
chr20	25083651	25083651	+	1.374E-36	2.3794E-34	0.407278	hyper	sig	chr20_25083651
chr7	772083	772083	+	1.386E-36	2.3988E-34	0.336343	hyper	sig	chr7_772083
chr1	47444465	47444465	+	1.396E-36	2.4154E-34	0.323922	hyper	sig	chr1_47444465
chr17	44948260	44948260	+	1.407E-36	2.4343E-34	0.358164	hyper	sig	chr17_44948260
chr13	52849976	52849976	+	1.41E-36	2.4395E-34	0.355203	hyper	sig	chr13_52849976
chr19	19540211	19540211	+	1.425E-36	2.4641E-34	0.453578	hyper	sig	chr19_19540211
chr20	59043424	59043424	+	1.425E-36	2.4641E-34	-0.4363	hypo	sig	chr20_59043424
chr11	1852696	1852696	+	1.429E-36	2.471E-34	-0.3348	hypo	sig	chr11_1852696
chr5	1106059	1106059	+	1.456E-36	2.5163E-34	-0.27546	hypo	sig	chr5_1106059
chr7	73829406	73829406	+	1.462E-36	2.527E-34	-0.4139	hypo	sig	chr7_73829406
chr6	10887354	10887354	+	1.464E-36	2.5285E-34	0.373479	hyper	sig	chr6_10887354
chr8	1.08E+08	108083201	+	1.479E-36	2.5552E-34	0.361997	hyper	sig	chr8_108083201
chr5	1.16E+08	115962026	+	1.486E-36	2.5666E-34	0.354324	hyper	sig	chr5_115962026
chr1	2.48E+08	247640335	+	1.501E-36	2.5911E-34	-0.4161	hypo	sig	chr1_247640335
chr17	80067730	80067730	+	1.515E-36	2.6154E-34	-0.37442	hypo	sig	chr17_80067730
chr7	27103626	27103626	+	1.519E-36	2.6217E-34	0.390548	hyper	sig	chr7_27103626
chr16	30821208	30821208	+	1.547E-36	2.6686E-34	-0.44315	hypo	sig	chr16_30821208
chr1	2.07E+08	207496624	+	1.556E-36	2.6835E-34	0.255149	hyper	sig	chr1_207496624

chr7	1753555	1753555	+	1.567E-36	2.7027E-34	-0.32791	hypo	sig	chr7_1753555
chr3	49719106	49719106	+	1.57E-36	2.7073E-34	0.243338	hyper	sig	chr3_49719106
chr11	1852819	1852819	+	1.572E-36	2.7101E-34	-0.48897	hypo	sig	chr11_1852819
chr7	1.59E+08	159144002	+	1.575E-36	2.7139E-34	0.368408	hyper	sig	chr7_159144002
chr10	55628560	55628560	+	1.579E-36	2.7209E-34	0.347331	hyper	sig	chr10_55628560
chr8	17027779	17027779	+	1.583E-36	2.7273E-34	0.383116	hyper	sig	chr8_17027779
chr11	44311517	44311517	+	1.588E-36	2.7352E-34	0.347768	hyper	sig	chr11_44311517
chr9	1.21E+08	120894492	+	1.601E-36	2.7564E-34	0.485809	hyper	sig	chr9_120894492
chr20	23049430	23049430	+	1.605E-36	2.7638E-34	0.320379	hyper	sig	chr20_23049430
chr7	97007352	97007352	+	1.634E-36	2.812E-34	0.380065	hyper	sig	chr7_97007352
chr2	1.06E+08	106343435	+	1.643E-36	2.8268E-34	-0.43559	hypo	sig	chr2_106343435
chr15	90004802	90004802	+	1.648E-36	2.8362E-34	-0.41793	hypo	sig	chr15_90004802
chr13	36297537	36297537	+	1.658E-36	2.8508E-34	0.274337	hyper	sig	chr13_36297537
chr6	1.1E+08	110359084	+	1.658E-36	2.8508E-34	0.33882	hyper	sig	chr6_110359084
chr8	22231916	22231916	+	1.664E-36	2.8617E-34	0.342274	hyper	sig	chr8_22231916
chr1	2E+08	200036091	+	1.671E-36	2.8733E-34	0.40428	hyper	sig	chr1_200036091
chr7	8441402	8441402	+	1.682E-36	2.8915E-34	0.412324	hyper	sig	chr7_8441402
chr8	84182576	84182576	+	1.7E-36	2.9211E-34	0.379363	hyper	sig	chr8_84182576
chr2	74499873	74499873	+	1.706E-36	2.9312E-34	0.295723	hyper	sig	chr2_74499873
chr19	2607837	2607837	+	1.72E-36	2.9537E-34	-0.33576	hypo	sig	chr19_2607837
chr8	64379184	64379184	+	1.735E-36	2.9789E-34	0.371936	hyper	sig	chr8_64379184
chr16	2236571	2236571	+	1.736E-36	2.981E-34	0.33143	hyper	sig	chr16_2236571
chr16	1211688	1211688	+	1.742E-36	2.9904E-34	-0.38974	hypo	sig	chr16_1211688
chr5	1.81E+08	181100541	+	1.746E-36	2.9971E-34	0.308993	hyper	sig	chr5_181100541
chr10	23693484	23693484	+	1.749E-36	3.0013E-34	0.306899	hyper	sig	chr10_23693484
chr10	70442187	70442187	+	1.758E-36	3.0165E-34	-0.34037	hypo	sig	chr10_70442187
chr1	18631873	18631873	+	1.766E-36	3.0282E-34	0.349202	hyper	sig	chr1_18631873
chr17	40375952	40375952	+	1.77E-36	3.0345E-34	-0.39878	hypo	sig	chr17_40375952
chr22	46085363	46085363	+	1.776E-36	3.0456E-34	-0.33902	hypo	sig	chr22_46085363
chr1	1.48E+08	148309731	+	1.777E-36	3.0464E-34	0.342882	hyper	sig	chr1_148309731
chr2	27308308	27308308	+	1.781E-36	3.0525E-34	0.376143	hyper	sig	chr2_27308308
chr12	1.27E+08	126727982	+	1.785E-36	3.0591E-34	0.328805	hyper	sig	chr12_126727982
chr1	1.47E+08	147078918	+	1.786E-36	3.0593E-34	0.354737	hyper	sig	chr1_147078918
chr5	1.42E+08	141512749	+	1.789E-36	3.0647E-34	0.406496	hyper	sig	chr5_141512749
chr7	27124280	27124280	+	1.793E-36	3.0709E-34	0.362139	hyper	sig	chr7_27124280
chr13	1.02E+08	102400568	+	1.798E-36	3.0773E-34	0.365176	hyper	sig	chr13_102400568
chr3	1.72E+08	172449685	+	1.8E-36	3.0805E-34	0.345486	hyper	sig	chr3_172449685
chr16	84645317	84645317	+	1.825E-36	3.1227E-34	-0.40546	hypo	sig	chr16_84645317
chr10	1.33E+08	133259399	+	1.84E-36	3.1483E-34	-0.445	hypo	sig	chr10_133259399
chr8	1.41E+08	141299535	+	1.845E-36	3.1558E-34	0.273164	hyper	sig	chr8_141299535
chr13	27927309	27927309	+	1.852E-36	3.167E-34	0.404962	hyper	sig	chr13_27927309
chr11	1.17E+08	117205628	+	1.856E-36	3.1727E-34	0.32708	hyper	sig	chr11_117205628
chr3	52226074	52226074	+	1.882E-36	3.2169E-34	-0.34543	hypo	sig	chr3_52226074
chr7	27115961	27115961	+	1.887E-36	3.2256E-34	0.425718	hyper	sig	chr7_27115961
chr14	1.02E+08	101781188	+	1.89E-36	3.2301E-34	0.362434	hyper	sig	chr14_101781188
chr7	27249569	27249569	+	1.893E-36	3.2347E-34	0.349747	hyper	sig	chr7_27249569
chr6	1.68E+08	167678342	+	1.894E-36	3.2349E-34	0.3659	hyper	sig	chr6_167678342
chr7	1123761	1123761	+	1.898E-36	3.24E-34	0.445067	hyper	sig	chr7_1123761
chr8	56445732	56445732	+	1.898E-36	3.24E-34	0.334945	hyper	sig	chr8_56445732
chr10	99530513	99530513	+	1.906E-36	3.2536E-34	0.362269	hyper	sig	chr10_99530513
chr1	8212119	8212119	+	1.914E-36	3.2661E-34	-0.36646	hypo	sig	chr1_8212119
chr17	34156688	34156688	+	1.917E-36	3.2709E-34	0.359496	hyper	sig	chr17_34156688
chr2	8709890	8709890	+	1.919E-36	3.2729E-34	-0.36185	hypo	sig	chr2_8709890
chr5	1.41E+08	141478298	+	1.931E-36	3.2939E-34	0.335646	hyper	sig	chr5_141478298
chr2	23620841	23620841	+	1.934E-36	3.2982E-34	0.386315	hyper	sig	chr2_23620841
chr3	26623758	26623758	+	1.937E-36	3.3027E-34	0.327671	hyper	sig	chr3_26623758

chr13	23547325	23547325	+	1.939E-36	3.3045E-34	0.432729	hyper	sig	chr13_23547325
chr14	28778520	28778520	+	1.94E-36	3.3064E-34	0.304852	hyper	sig	chr14_28778520
chr16	10877393	10877393	+	1.949E-36	3.3209E-34	-0.31874	hypo	sig	chr16_10877393
chr7	8441026	8441026	+	1.956E-36	3.3309E-34	0.362604	hyper	sig	chr7_8441026
chr17	80067665	80067665	+	1.963E-36	3.3426E-34	-0.31653	hypo	sig	chr17_80067665
chr13	1.08E+08	107868223	+	1.966E-36	3.347E-34	0.348262	hyper	sig	chr13_107868223
chr5	1.81E+08	181100562	+	1.969E-36	3.3512E-34	0.328517	hyper	sig	chr5_181100562
chr11	8038741	8038741	+	1.97E-36	3.3532E-34	-0.35635	hypo	sig	chr11_8038741
chr15	80999821	80999821	+	1.993E-36	3.3914E-34	-0.32931	hypo	sig	chr15_80999821
chr2	1691601	1691601	+	2.003E-36	3.4069E-34	-0.39124	hypo	sig	chr2_1691601
chr17	43843151	43843151	+	2.009E-36	3.416E-34	-0.40183	hypo	sig	chr17_43843151
chr13	74552357	74552357	+	2.016E-36	3.4286E-34	-0.38728	hypo	sig	chr13_74552357
chr2	1.32E+08	132257162	+	2.018E-36	3.4305E-34	0.398635	hyper	sig	chr2_132257162
chr3	1.86E+08	186360851	+	2.018E-36	3.4305E-34	0.352386	hyper	sig	chr3_186360851
chr7	1.58E+08	157663335	+	2.019E-36	3.4305E-34	0.369779	hyper	sig	chr7_157663335
chr5	1.72E+08	172097468	+	2.04E-36	3.4667E-34	0.339714	hyper	sig	chr5_172097468
chr6	15505134	15505134	+	2.046E-36	3.4762E-34	0.415573	hyper	sig	chr6_15505134
chr10	5551907	5551907	+	2.053E-36	3.4872E-34	-0.33314	hypo	sig	chr10_5551907
chr18	8708614	8708614	+	2.08E-36	3.5314E-34	0.305395	hyper	sig	chr18_8708614
chr7	1.59E+08	158990326	+	2.084E-36	3.5385E-34	-0.34475	hypo	sig	chr7_158990326
chr11	1485889	1485889	+	2.099E-36	3.5617E-34	0.342624	hyper	sig	chr11_1485889
chr4	8394588	8394588	+	2.101E-36	3.5651E-34	0.333453	hyper	sig	chr4_8394588
chr13	77918948	77918948	+	2.109E-36	3.5777E-34	0.317867	hyper	sig	chr13_77918948
chr4	304990	304990	+	2.114E-36	3.5851E-34	0.314412	hyper	sig	chr4_304990
chr11	1.19E+08	118531627	+	2.118E-36	3.5901E-34	0.360325	hyper	sig	chr11_118531627
chr19	48480326	48480326	+	2.118E-36	3.5901E-34	0.362922	hyper	sig	chr19_48480326
chr21	42668730	42668730	+	2.118E-36	3.5901E-34	0.343622	hyper	sig	chr21_42668730
chr5	1.16E+08	115816627	+	2.117E-36	3.5901E-34	0.34745	hyper	sig	chr5_115816627
chr6	1.27E+08	127119911	+	2.133E-36	3.6142E-34	0.284997	hyper	sig	chr6_127119911
chr2	1.05E+08	104856594	+	2.155E-36	3.6504E-34	0.344885	hyper	sig	chr2_104856594
chr6	1.69E+08	168574921	+	2.161E-36	3.6604E-34	0.415873	hyper	sig	chr6_168574921
chr1	2E+08	200040390	+	2.17E-36	3.675E-34	0.337488	hyper	sig	chr1_200040390
chr14	28774298	28774298	+	2.183E-36	3.695E-34	0.358247	hyper	sig	chr14_28774298
chr1	2274459	2274459	+	2.183E-36	3.6958E-34	0.376164	hyper	sig	chr1_2274459
chr6	99607152	99607152	+	2.186E-36	3.6994E-34	0.30514	hyper	sig	chr6_99607152
chr4	1.54E+08	154491222	+	2.195E-36	3.7136E-34	0.272025	hyper	sig	chr4_154491222
chr7	1.44E+08	143883054	+	2.202E-36	3.7252E-34	0.37752	hyper	sig	chr7_143883054
chr8	48923671	48923671	+	2.215E-36	3.7462E-34	-0.35723	hypo	sig	chr8_48923671
chr19	39398547	39398547	+	2.224E-36	3.76E-34	-0.46503	hypo	sig	chr19_39398547
chr9	91421059	91421059	+	2.229E-36	3.7674E-34	0.317959	hyper	sig	chr9_91421059
chr10	1.24E+08	123892188	+	2.235E-36	3.7773E-34	0.310584	hyper	sig	chr10_123892188
chr19	58440148	58440148	+	2.237E-36	3.7795E-34	0.247914	hyper	sig	chr19_58440148
chr7	90119382	90119382	+	2.238E-36	3.7818E-34	0.294859	hyper	sig	chr7_90119382
chr4	1.12E+08	112403502	+	2.243E-36	3.7881E-34	0.345029	hyper	sig	chr4_112403502
chr1	2.29E+08	229434483	+	2.269E-36	3.8311E-34	0.354719	hyper	sig	chr1_229434483
chr12	1.3E+08	130042317	+	2.278E-36	3.846E-34	0.312905	hyper	sig	chr12_130042317
chr6	28635161	28635161	+	2.301E-36	3.8845E-34	0.255839	hyper	sig	chr6_28635161
chr13	36298029	36298029	+	2.306E-36	3.8911E-34	0.330751	hyper	sig	chr13_36298029
chr1	1.58E+08	158181578	+	2.306E-36	3.8917E-34	0.317993	hyper	sig	chr1_158181578
chr7	88759964	88759964	+	2.32E-36	3.9143E-34	0.386792	hyper	sig	chr7_88759964
chr12	24950709	24950709	+	2.328E-36	3.9261E-34	-0.32769	hypo	sig	chr12_24950709
chr1	1.97E+08	196608593	+	2.332E-36	3.9321E-34	0.302292	hyper	sig	chr1_196608593
chr11	65356171	65356171	+	2.352E-36	3.9647E-34	0.380893	hyper	sig	chr11_65356171
chr19	15010704	15010704	+	2.365E-36	3.9863E-34	0.439982	hyper	sig	chr19_15010704
chr16	383439	383439	+	2.37E-36	3.9935E-34	-0.30808	hypo	sig	chr16_383439
chr6	1.27E+08	127119896	+	2.375E-36	4.0021E-34	0.287567	hyper	sig	chr6_127119896

chr7	27115929	27115929	+	2.391E-36	4.0282E-34	0.413555	hyper	sig	chr7_27115929
chr3	6862560	6862560	+	2.393E-36	4.0302E-34	0.322531	hyper	sig	chr3_6862560
chr12	66234115	66234115	+	2.407E-36	4.053E-34	-0.38756	hypo	sig	chr12_66234115
chr17	82795407	82795407	+	2.417E-36	4.0687E-34	0.324694	hyper	sig	chr17_82795407
chr3	1.96E+08	195804488	+	2.426E-36	4.0831E-34	-0.32746	hypo	sig	chr3_195804488
chr8	56445589	56445589	+	2.429E-36	4.0882E-34	0.366505	hyper	sig	chr8_56445589
chr19	53037649	53037649	+	2.436E-36	4.0982E-34	0.358931	hyper	sig	chr19_53037649
chr14	1.01E+08	101023312	+	2.465E-36	4.1472E-34	-0.34984	hypo	sig	chr14_101023312
chr6	1.36E+08	136351847	+	2.467E-36	4.1485E-34	0.384668	hyper	sig	chr6_136351847
chr11	67646851	67646851	+	2.471E-36	4.1546E-34	-0.42584	hypo	sig	chr11_67646851
chr5	1.42E+08	141512773	+	2.476E-36	4.1624E-34	0.421421	hyper	sig	chr5_141512773
chr6	1.27E+08	127119894	+	2.498E-36	4.1981E-34	0.304755	hyper	sig	chr6_127119894
chr13	1.01E+08	101416900	+	2.501E-36	4.2018E-34	0.312226	hyper	sig	chr13_101416900
chr14	85529967	85529967	+	2.503E-36	4.2056E-34	0.310206	hyper	sig	chr14_85529967
chr11	1.19E+08	119029432	+	2.517E-36	4.2281E-34	-0.3575	hypo	sig	chr11_119029432
chr6	28635000	28635000	+	2.522E-36	4.2357E-34	0.286233	hyper	sig	chr6_28635000
chr5	1.46E+08	146343148	+	2.524E-36	4.2384E-34	0.375449	hyper	sig	chr5_146343148
chr19	2522365	2522365	+	2.536E-36	4.2574E-34	-0.36971	hypo	sig	chr19_2522365
chr1	78045526	78045526	+	2.537E-36	4.2578E-34	-0.29938	hypo	sig	chr1_78045526
chr6	1.37E+08	137494588	+	2.547E-36	4.2742E-34	0.324482	hyper	sig	chr6_137494588
chr6	26225071	26225071	+	2.563E-36	4.3004E-34	0.353552	hyper	sig	chr6_26225071
chr4	1310025	1310025	+	2.567E-36	4.3047E-34	0.366396	hyper	sig	chr4_1310025
chr11	31797846	31797846	+	2.579E-36	4.3253E-34	0.340176	hyper	sig	chr11_31797846
chr6	28825893	28825893	+	2.582E-36	4.3282E-34	0.310027	hyper	sig	chr6_28825893
chr6	1.66E+08	166009202	+	2.587E-36	4.3349E-34	0.331003	hyper	sig	chr6_166009202
chr7	4723541	4723541	+	2.587E-36	4.3349E-34	0.336962	hyper	sig	chr7_4723541
chr1	2334974	2334974	+	2.592E-36	4.3421E-34	-0.3379	hypo	sig	chr1_2334974
chr3	1.25E+08	125357114	+	2.599E-36	4.3534E-34	0.52599	hyper	sig	chr3_125357114
chr3	26623273	26623273	+	2.6E-36	4.3537E-34	0.375649	hyper	sig	chr3_26623273
chr16	1543783	1543783	+	2.605E-36	4.3616E-34	-0.28983	hypo	sig	chr16_1543783
chr19	58119062	58119062	+	2.608E-36	4.3655E-34	-0.40074	hypo	sig	chr19_58119062
chr11	94769392	94769392	+	2.621E-36	4.3864E-34	0.304434	hyper	sig	chr11_94769392
chr3	1.7E+08	169822305	+	2.629E-36	4.3996E-34	-0.50022	hypo	sig	chr3_169822305
chr11	75564258	75564258	+	2.642E-36	4.4196E-34	0.34993	hyper	sig	chr11_75564258
chr1	2.21E+08	220877724	+	2.645E-36	4.4245E-34	0.360167	hyper	sig	chr1_220877724
chr13	21319148	21319148	+	2.653E-36	4.4367E-34	0.457564	hyper	sig	chr13_21319148
chr19	48480338	48480338	+	2.66E-36	4.4472E-34	0.331975	hyper	sig	chr19_48480338
chr2	23620798	23620798	+	2.668E-36	4.4601E-34	0.449864	hyper	sig	chr2_23620798
chr5	51389864	51389864	+	2.675E-36	4.4704E-34	0.312313	hyper	sig	chr5_51389864
chr1	1.8E+08	179588645	+	2.678E-36	4.4751E-34	-0.34294	hypo	sig	chr1_179588645
chr22	46085368	46085368	+	2.69E-36	4.4945E-34	-0.34506	hypo	sig	chr22_46085368
chr13	23547220	23547220	+	2.703E-36	4.5146E-34	0.451011	hyper	sig	chr13_23547220
chr7	1753487	1753487	+	2.75E-36	4.5926E-34	-0.30113	hypo	sig	chr7_1753487
chr6	29553959	29553959	+	2.752E-36	4.5942E-34	0.367544	hyper	sig	chr6_29553959
chr18	79632535	79632535	+	2.759E-36	4.6055E-34	-0.38438	hypo	sig	chr18_79632535
chr8	70070727	70070727	+	2.771E-36	4.6253E-34	0.404385	hyper	sig	chr8_70070727
chr6	42727358	42727358	+	2.781E-36	4.6408E-34	0.416438	hyper	sig	chr6_42727358
chr13	1.01E+08	101416881	+	2.793E-36	4.6601E-34	0.311245	hyper	sig	chr13_101416881
chr2	45004790	45004790	+	2.797E-36	4.6643E-34	0.352137	hyper	sig	chr2_45004790
chr6	89410535	89410535	+	2.816E-36	4.6954E-34	-0.33559	hypo	sig	chr6_89410535
chr5	1.55E+08	154850653	+	2.823E-36	4.707E-34	0.346869	hyper	sig	chr5_154850653
chr12	1.28E+08	128365909	+	2.828E-36	4.7137E-34	0.383303	hyper	sig	chr12_128365909
chr3	27723741	27723741	+	2.84E-36	4.7328E-34	0.415772	hyper	sig	chr3_27723741
chr4	95548135	95548135	+	2.841E-36	4.7331E-34	0.315708	hyper	sig	chr4_95548135
chr7	797959	797959	+	2.845E-36	4.7396E-34	0.388684	hyper	sig	chr7_797959
chr2	1.76E+08	176125844	+	2.851E-36	4.7478E-34	-0.39916	hypo	sig	chr2_176125844

chr19	13085831	13085831	+	2.863E-36	4.768E-34	0.329246	hyper	sig	chr19_13085831
chr7	1.3E+08	130486004	+	2.874E-36	4.7842E-34	-0.35698	hypo	sig	chr7_130486004
chr5	42944331	42944331	+	2.89E-36	4.8096E-34	0.427836	hyper	sig	chr5_42944331
chr1	92480575	92480575	+	2.895E-36	4.8177E-34	0.425417	hyper	sig	chr1_92480575
chr2	1.05E+08	104856701	+	2.896E-36	4.8183E-34	0.317972	hyper	sig	chr2_104856701
chr6	33176030	33176030	+	2.903E-36	4.829E-34	-0.34085	hypo	sig	chr6_33176030
chr14	73718662	73718662	+	2.929E-36	4.8708E-34	0.360329	hyper	sig	chr14_73718662
chr10	93069256	93069256	+	2.955E-36	4.9132E-34	0.379952	hyper	sig	chr10_93069256
chr6	33080763	33080763	+	2.965E-36	4.9285E-34	0.47461	hyper	sig	chr6_33080763
chr8	1.08E+08	108083171	+	2.971E-36	4.9373E-34	0.36779	hyper	sig	chr8_108083171
chr5	601122	601122	+	2.976E-36	4.9448E-34	-0.42522	hypo	sig	chr5_601122
chr19	42074753	42074753	+	3E-36	4.9837E-34	-0.28818	hypo	sig	chr19_42074753
chr7	97007364	97007364	+	3.001E-36	4.9843E-34	0.387557	hyper	sig	chr7_97007364
chr2	1.06E+08	105746375	+	3.001E-36	4.9846E-34	-0.29723	hypo	sig	chr2_105746375
chr6	1.32E+08	131949386	+	3.008E-36	4.9952E-34	0.368196	hyper	sig	chr6_131949386
chr11	94769328	94769328	+	3.011E-36	4.998E-34	0.264218	hyper	sig	chr11_94769328
chr16	88958206	88958206	+	3.013E-36	5.0002E-34	-0.35165	hypo	sig	chr16_88958206
chr6	41028474	41028474	+	3.018E-36	5.0073E-34	0.351776	hyper	sig	chr6_41028474
chr15	89406394	89406394	+	3.019E-36	5.0093E-34	0.260112	hyper	sig	chr15_89406394
chr12	4909919	4909919	+	3.025E-36	5.0174E-34	0.36608	hyper	sig	chr12_4909919
chr8	1.2E+08	120125300	+	3.05E-36	5.0576E-34	0.312997	hyper	sig	chr8_120125300
chr8	68330686	68330686	+	3.074E-36	5.0966E-34	0.333991	hyper	sig	chr8_68330686
chr17	45897582	45897582	+	3.078E-36	5.1022E-34	0.329965	hyper	sig	chr17_45897582
chr13	87674623	87674623	+	3.085E-36	5.1122E-34	0.368501	hyper	sig	chr13_87674623
chr2	1.11E+08	111366819	+	3.105E-36	5.1452E-34	0.364826	hyper	sig	chr2_111366819
chr16	86432880	86432880	+	3.107E-36	5.1468E-34	0.451186	hyper	sig	chr16_86432880
chr20	25083203	25083203	+	3.107E-36	5.1468E-34	0.405899	hyper	sig	chr20_25083203
chr2	1E+08	100321168	+	3.115E-36	5.1581E-34	0.365737	hyper	sig	chr2_100321168
chr9	977801	977801	+	3.125E-36	5.1734E-34	0.359477	hyper	sig	chr9_977801
chr1	31772312	31772312	+	3.133E-36	5.1864E-34	0.310897	hyper	sig	chr1_31772312
chr20	21509616	21509616	+	3.141E-36	5.198E-34	0.342618	hyper	sig	chr20_21509616
chr16	85534675	85534675	+	3.142E-36	5.1982E-34	0.281591	hyper	sig	chr16_85534675
chr9	97852953	97852953	+	3.144E-36	5.2014E-34	0.396521	hyper	sig	chr9_97852953
chr16	54933791	54933791	+	3.164E-36	5.232E-34	0.393504	hyper	sig	chr16_54933791
chr21	42064139	42064139	+	3.164E-36	5.232E-34	-0.42601	hypo	sig	chr21_42064139
chr4	1533954	1533954	+	3.165E-36	5.2332E-34	0.374303	hyper	sig	chr4_1533954
chr8	52587022	52587022	+	3.172E-36	5.244E-34	0.38021	hyper	sig	chr8_52587022
chr16	67014553	67014553	+	3.177E-36	5.2501E-34	0.292813	hyper	sig	chr16_67014553
chr19	37817846	37817846	+	3.186E-36	5.2646E-34	0.34958	hyper	sig	chr19_37817846
chr2	74515197	74515197	+	3.203E-36	5.2897E-34	0.35966	hyper	sig	chr2_74515197
chr7	27124265	27124265	+	3.202E-36	5.2897E-34	0.367872	hyper	sig	chr7_27124265
chr7	1.28E+08	128104473	+	3.207E-36	5.2963E-34	0.272875	hyper	sig	chr7_128104473
chr21	36708864	36708864	+	3.213E-36	5.3038E-34	0.256318	hyper	sig	chr21_36708864
chr2	44928540	44928540	+	3.218E-36	5.3111E-34	0.267327	hyper	sig	chr2_44928540
chr12	54090512	54090512	+	3.221E-36	5.3149E-34	0.359488	hyper	sig	chr12_54090512
chr7	23710020	23710020	+	3.23E-36	5.3298E-34	-0.35838	hypo	sig	chr7_23710020
chr20	56004758	56004758	+	3.236E-36	5.3378E-34	0.422764	hyper	sig	chr20_56004758
chr11	8168699	8168699	+	3.238E-36	5.3397E-34	0.35891	hyper	sig	chr11_8168699
chr12	1.13E+08	113479644	+	3.248E-36	5.3561E-34	0.368342	hyper	sig	chr12_113479644
chr13	1.12E+08	112105387	+	3.25E-36	5.3574E-34	0.507639	hyper	sig	chr13_112105387
chr19	45767020	45767020	+	3.258E-36	5.3707E-34	0.424708	hyper	sig	chr19_45767020
chr8	48923642	48923642	+	3.265E-36	5.3806E-34	-0.35806	hypo	sig	chr8_48923642
chr14	26598501	26598501	+	3.271E-36	5.3901E-34	0.361142	hyper	sig	chr14_26598501
chr19	7515328	7515328	+	3.282E-36	5.406E-34	0.294461	hyper	sig	chr19_7515328
chr2	2.31E+08	231400293	+	3.282E-36	5.406E-34	0.348304	hyper	sig	chr2_231400293
chr4	15787836	15787836	+	3.286E-36	5.4109E-34	-0.39319	hypo	sig	chr4_15787836

chr11	71339326	71339326	+	3.287E-36	5.4117E-34	0.340426	hyper	sig	chr11_71339326
chr11	69298312	69298312	+	3.29E-36	5.4149E-34	-0.35615	hypo	sig	chr11_69298312
chr3	10993292	10993292	+	3.294E-36	5.4205E-34	0.387316	hyper	sig	chr3_10993292
chr1	2073879	2073879	+	3.301E-36	5.4307E-34	0.435828	hyper	sig	chr1_2073879
chr15	89407576	89407576	+	3.312E-36	5.4476E-34	0.291399	hyper	sig	chr15_89407576
chr15	74831053	74831053	+	3.313E-36	5.4485E-34	0.305943	hyper	sig	chr15_74831053
chr7	8444070	8444070	+	3.376E-36	5.5515E-34	0.48053	hyper	sig	chr7_8444070
chr8	42499326	42499326	+	3.383E-36	5.5609E-34	0.43252	hyper	sig	chr8_42499326
chr4	1.09E+08	109302194	+	3.393E-36	5.5764E-34	0.305403	hyper	sig	chr4_109302194
chr2	4003144	4003144	+	3.405E-36	5.5947E-34	-0.34758	hypo	sig	chr2_4003144
chr20	46173909	46173909	+	3.432E-36	5.6378E-34	-0.3951	hypo	sig	chr20_46173909
chr16	81645326	81645326	+	3.456E-36	5.6765E-34	0.324082	hyper	sig	chr16_81645326
chr3	69012676	69012676	+	3.467E-36	5.694E-34	0.30989	hyper	sig	chr3_69012676
chr20	38674841	38674841	+	3.474E-36	5.7041E-34	0.492089	hyper	sig	chr20_38674841
chr2	2.31E+08	230869848	+	3.497E-36	5.7401E-34	0.377163	hyper	sig	chr2_230869848
chr1	14599482	14599482	+	3.502E-36	5.7481E-34	0.323127	hyper	sig	chr1_14599482
chr17	32483836	32483836	+	3.503E-36	5.7481E-34	0.367451	hyper	sig	chr17_32483836
chr8	48923628	48923628	+	3.512E-36	5.7611E-34	-0.36665	hypo	sig	chr8_48923628
chr10	1.3E+08	129969864	+	3.521E-36	5.7756E-34	0.308341	hyper	sig	chr10_129969864
chr1	1.51E+08	151326304	+	3.547E-36	5.8165E-34	0.356455	hyper	sig	chr1_151326304
chr4	1.51E+08	150583875	+	3.581E-36	5.8706E-34	0.399314	hyper	sig	chr4_150583875
chr7	37451743	37451743	+	3.584E-36	5.8759E-34	-0.32126	hypo	sig	chr7_37451743
chr13	36154861	36154861	+	3.588E-36	5.8801E-34	0.398149	hyper	sig	chr13_36154861
chr8	1.03E+08	102738778	+	3.588E-36	5.8801E-34	-0.32664	hypo	sig	chr8_102738778
chr3	1.6E+08	160039161	+	3.612E-36	5.9182E-34	0.323034	hyper	sig	chr3_160039161
chr2	1.15E+08	115163087	+	3.627E-36	5.9405E-34	0.39831	hyper	sig	chr2_115163087
chr5	1.41E+08	141234370	+	3.65E-36	5.9773E-34	0.354871	hyper	sig	chr5_141234370
chr19	53467761	53467761	+	3.684E-36	6.032E-34	0.219649	hyper	sig	chr19_53467761
chr11	44311557	44311557	+	3.713E-36	6.0779E-34	0.332808	hyper	sig	chr11_44311557
chr19	51949181	51949181	+	3.714E-36	6.0779E-34	0.36965	hyper	sig	chr19_51949181
chr1	2.03E+08	203275035	+	3.73E-36	6.1042E-34	0.300452	hyper	sig	chr1_203275035
chr3	6862545	6862545	+	3.744E-36	6.1248E-34	0.332395	hyper	sig	chr3_6862545
chr2	2.19E+08	219057607	+	3.748E-36	6.1304E-34	0.30397	hyper	sig	chr2_219057607
chr7	94666979	94666979	+	3.754E-36	6.1388E-34	-0.40848	hypo	sig	chr7_94666979
chr12	3493410	3493410	+	3.757E-36	6.1431E-34	0.348594	hyper	sig	chr12_3493410
chr16	89098582	89098582	+	3.772E-36	6.1658E-34	-0.30953	hypo	sig	chr16_89098582
chr1	1.48E+08	148310435	+	3.787E-36	6.1879E-34	0.354067	hyper	sig	chr1_148310435
chr10	49609229	49609229	+	3.787E-36	6.1879E-34	0.408306	hyper	sig	chr10_49609229
chr8	11709682	11709682	+	3.818E-36	6.2366E-34	0.432072	hyper	sig	chr8_11709682
chr8	1.43E+08	143499918	+	3.828E-36	6.2528E-34	0.361164	hyper	sig	chr8_143499918
chr1	2.28E+08	228464813	+	3.835E-36	6.2624E-34	0.314278	hyper	sig	chr1_228464813
chr5	32713215	32713215	+	3.844E-36	6.2756E-34	0.394444	hyper	sig	chr5_32713215
chr6	1.63E+08	163300862	+	3.897E-36	6.3609E-34	-0.3678	hypo	sig	chr6_163300862
chr5	1.46E+08	146379250	+	3.923E-36	6.402E-34	0.376134	hyper	sig	chr5_146379250
chr22	27670007	27670007	+	3.93E-36	6.4132E-34	-0.38318	hypo	sig	chr22_27670007
chr11	69818974	69818974	+	3.945E-36	6.4326E-34	0.343617	hyper	sig	chr11_69818974
chr16	4371577	4371577	+	3.945E-36	6.4326E-34	0.324761	hyper	sig	chr16_4371577
chr2	2.06E+08	205679639	+	3.944E-36	6.4326E-34	-0.32655	hypo	sig	chr2_205679639
chr5	1.46E+08	146379277	+	3.952E-36	6.4439E-34	0.386319	hyper	sig	chr5_146379277
chr11	88510401	88510401	+	3.962E-36	6.4588E-34	-0.34664	hypo	sig	chr11_88510401
chr12	68198802	68198802	+	3.964E-36	6.4598E-34	-0.41421	hypo	sig	chr12_68198802
chr13	28532928	28532928	+	4.003E-36	6.5232E-34	0.314125	hyper	sig	chr13_28532928
chr14	1.04E+08	103699045	+	4.011E-36	6.5348E-34	-0.36219	hypo	sig	chr14_103699045
chr10	43955529	43955529	+	4.034E-36	6.5706E-34	-0.3848	hypo	sig	chr10_43955529
chr9	93346100	93346100	+	4.038E-36	6.5758E-34	0.388797	hyper	sig	chr9_93346100
chr6	83524578	83524578	+	4.047E-36	6.5883E-34	-0.34091	hypo	sig	chr6_83524578

chr1	37475715	37475715	+	4.068E-36	6.622E-34	-0.32891	hypo	sig	chr1_37475715
chr3	27730263	27730263	+	4.081E-36	6.6412E-34	0.330702	hyper	sig	chr3_27730263
chr19	10817963	10817963	+	4.087E-36	6.6506E-34	0.315673	hyper	sig	chr19_10817963
chr12	86602086	86602086	+	4.089E-36	6.6514E-34	-0.45635	hypo	sig	chr12_86602086
chr1	12063441	12063441	+	4.092E-36	6.6536E-34	0.277288	hyper	sig	chr1_12063441
chr3	6862447	6862447	+	4.091E-36	6.6536E-34	0.337037	hyper	sig	chr3_6862447
chr1	15756630	15756630	+	4.1E-36	6.6658E-34	-0.34592	hypo	sig	chr1_15756630
chr14	88326677	88326677	+	4.108E-36	6.6778E-34	0.308476	hyper	sig	chr14_88326677
chr1	1539815	1539815	+	4.115E-36	6.6876E-34	0.463943	hyper	sig	chr1_1539815
chr7	1.58E+08	157854382	+	4.128E-36	6.708E-34	-0.37698	hypo	sig	chr7_157854382
chr1	2.05E+08	205449293	+	4.149E-36	6.7372E-34	-0.38549	hypo	sig	chr1_205449293
chr19	4555900	4555900	+	4.147E-36	6.7372E-34	-0.53115	hypo	sig	chr19_4555900
chr20	63775544	63775544	+	4.148E-36	6.7372E-34	0.391907	hyper	sig	chr20_63775544
chr1	3293318	3293318	+	4.166E-36	6.7635E-34	-0.37784	hypo	sig	chr1_3293318
chr8	22231993	22231993	+	4.215E-36	6.8422E-34	0.334145	hyper	sig	chr8_22231993
chr2	74415756	74415756	+	4.227E-36	6.8606E-34	0.362815	hyper	sig	chr2_74415756
chr19	37507089	37507089	+	4.236E-36	6.8724E-34	0.262654	hyper	sig	chr19_37507089
chr6	20239173	20239173	+	4.26E-36	6.9101E-34	-0.53047	hypo	sig	chr6_20239173
chr6	50716064	50716064	+	4.288E-36	6.9552E-34	0.374647	hyper	sig	chr6_50716064
chr17	77477767	77477767	+	4.297E-36	6.9682E-34	0.375593	hyper	sig	chr17_77477767
chr11	15938384	15938384	+	4.311E-36	6.989E-34	0.329671	hyper	sig	chr11_15938384
chr2	1743065	1743065	+	4.315E-36	6.9944E-34	0.342679	hyper	sig	chr2_1743065
chr17	47719490	47719490	+	4.351E-36	7.0513E-34	-0.31153	hypo	sig	chr17_47719490
chr2	2.38E+08	237590801	+	4.378E-36	7.0935E-34	-0.35921	hypo	sig	chr2_237590801
chr13	21319184	21319184	+	4.389E-36	7.1102E-34	0.426467	hyper	sig	chr13_21319184
chr20	25077765	25077765	+	4.392E-36	7.1133E-34	0.418396	hyper	sig	chr20_25077765
chr14	1.05E+08	104637474	+	4.414E-36	7.1478E-34	-0.51354	hypo	sig	chr14_104637474
chr7	27108650	27108650	+	4.416E-36	7.1497E-34	0.450677	hyper	sig	chr7_27108650
chr5	1.41E+08	141330942	+	4.478E-36	7.2483E-34	0.344988	hyper	sig	chr5_141330942
chr6	1.37E+08	136551455	+	4.483E-36	7.2556E-34	-0.33176	hypo	sig	chr6_136551455
chr5	601093	601093	+	4.492E-36	7.2677E-34	-0.37152	hypo	sig	chr5_601093
chr7	25859584	25859584	+	4.496E-36	7.2733E-34	-0.34485	hypo	sig	chr7_25859584
chr12	63669212	63669212	+	4.505E-36	7.2865E-34	0.253255	hyper	sig	chr12_63669212
chr13	1.1E+08	110307039	+	4.509E-36	7.2909E-34	0.299202	hyper	sig	chr13_110307039
chr6	1.32E+08	131949442	+	4.521E-36	7.3098E-34	0.446305	hyper	sig	chr6_131949442
chr11	20160475	20160475	+	4.556E-36	7.3648E-34	0.378685	hyper	sig	chr11_20160475
chr6	83524599	83524599	+	4.589E-36	7.4167E-34	-0.33419	hypo	sig	chr6_83524599
chr5	1.46E+08	146342885	+	4.609E-36	7.4468E-34	0.309617	hyper	sig	chr5_146342885
chr19	18650699	18650699	+	4.626E-36	7.4728E-34	0.410271	hyper	sig	chr19_18650699
chr3	49902997	49902997	+	4.633E-36	7.4836E-34	-0.40133	hypo	sig	chr3_49902997
chr13	27792413	27792413	+	4.641E-36	7.4943E-34	0.25604	hyper	sig	chr13_27792413
chr20	56925470	56925470	+	4.653E-36	7.5117E-34	0.347348	hyper	sig	chr20_56925470
chr19	5294185	5294185	+	4.667E-36	7.5332E-34	0.3033	hyper	sig	chr19_5294185
chr9	1.3E+08	129685761	+	4.708E-36	7.5987E-34	-0.39076	hypo	sig	chr9_129685761
chr20	5315654	5315654	+	4.716E-36	7.6098E-34	0.367297	hyper	sig	chr20_5315654
chr5	14440965	14440965	+	4.719E-36	7.6125E-34	0.405418	hyper	sig	chr5_14440965
chr4	4862774	4862774	+	4.765E-36	7.6859E-34	0.429525	hyper	sig	chr4_4862774
chr11	69817298	69817298	+	4.779E-36	7.7062E-34	0.311103	hyper	sig	chr11_69817298
chr1	1.54E+08	153535043	+	4.78E-36	7.7073E-34	-0.39819	hypo	sig	chr1_153535043
chr1	1.44E+08	143904589	+	4.798E-36	7.7345E-34	0.415746	hyper	sig	chr1_143904589
chr14	1.01E+08	101457029	+	4.891E-36	7.8826E-34	0.31916	hyper	sig	chr14_101457029
chr10	1.04E+08	104334061	+	4.906E-36	7.9052E-34	0.298759	hyper	sig	chr10_104334061
chr1	16173178	16173178	+	4.942E-36	7.9612E-34	-0.47648	hypo	sig	chr1_16173178
chr1	2.08E+08	207669904	+	4.943E-36	7.9612E-34	0.327315	hyper	sig	chr1_207669904
chr2	1.15E+08	115163049	+	4.953E-36	7.9752E-34	0.366897	hyper	sig	chr2_115163049
chr7	79454231	79454231	+	4.979E-36	8.0166E-34	0.362252	hyper	sig	chr7_79454231

chr19	5288232	5288232	+	4.982E-36	8.0199E-34	-0.40432	hypo	sig	chr19_5288232
chr12	1.33E+08	132888707	+	4.998E-36	8.044E-34	0.282533	hyper	sig	chr12_132888707
chr16	87407805	87407805	+	5.002E-36	8.048E-34	-0.42368	hypo	sig	chr16_87407805
chr2	61180141	61180141	+	5.005E-36	8.0517E-34	0.405572	hyper	sig	chr2_61180141
chr3	1.47E+08	147408139	+	5.045E-36	8.1138E-34	0.374914	hyper	sig	chr3_147408139
chr5	1.46E+08	146342645	+	5.057E-36	8.1314E-34	0.418263	hyper	sig	chr5_146342645
chr16	85614769	85614769	+	5.064E-36	8.1423E-34	-0.40831	hypo	sig	chr16_85614769
chr11	69449861	69449861	+	5.121E-36	8.2325E-34	-0.38184	hypo	sig	chr11_69449861
chr19	58009785	58009785	+	5.127E-36	8.2399E-34	0.304286	hyper	sig	chr19_58009785
chr7	90118980	90118980	+	5.13E-36	8.2428E-34	0.342054	hyper	sig	chr7_90118980
chr1	6276668	6276668	+	5.172E-36	8.3095E-34	0.404524	hyper	sig	chr1_6276668
chr5	1.29E+08	128536625	+	5.188E-36	8.3327E-34	0.379914	hyper	sig	chr5_128536625
chr8	88326909	88326909	+	5.192E-36	8.3376E-34	0.37932	hyper	sig	chr8_88326909
chr2	74832186	74832186	+	5.226E-36	8.3898E-34	-0.40996	hypo	sig	chr2_74832186
chr14	41608156	41608156	+	5.229E-36	8.3941E-34	0.483567	hyper	sig	chr14_41608156
chr5	1.46E+08	146342931	+	5.258E-36	8.439E-34	0.377926	hyper	sig	chr5_146342931
chr5	1.79E+08	178517297	+	5.277E-36	8.4672E-34	-0.40824	hypo	sig	chr5_178517297
chr6	1E+08	100447326	+	5.278E-36	8.4672E-34	0.328923	hyper	sig	chr6_100447326
chr1	40754447	40754447	+	5.29E-36	8.4842E-34	0.280557	hyper	sig	chr1_40754447
chr20	5315638	5315638	+	5.311E-36	8.5172E-34	0.358481	hyper	sig	chr20_5315638
chr19	54365145	54365145	+	5.355E-36	8.5862E-34	-0.32108	hypo	sig	chr19_54365145
chr17	80067671	80067671	+	5.371E-36	8.6094E-34	-0.31639	hypo	sig	chr17_80067671
chr7	19107804	19107804	+	5.418E-36	8.6826E-34	0.369292	hyper	sig	chr7_19107804
chr17	78921878	78921878	+	5.481E-36	8.7834E-34	0.369045	hyper	sig	chr17_78921878
chr12	1.28E+08	128366085	+	5.483E-36	8.7839E-34	0.335485	hyper	sig	chr12_128366085
chr7	4810655	4810655	+	5.496E-36	8.8036E-34	-0.377	hypo	sig	chr7_4810655
chr7	1.5E+08	150340276	+	5.542E-36	8.8754E-34	0.376613	hyper	sig	chr7_150340276
chr5	1.39E+08	139394237	+	5.557E-36	8.8967E-34	0.318278	hyper	sig	chr5_139394237
chr2	43123274	43123274	+	5.558E-36	8.8978E-34	0.32723	hyper	sig	chr2_43123274
chr8	1.42E+08	141522082	+	5.582E-36	8.9345E-34	-0.48485	hypo	sig	chr8_141522082
chr13	25171818	25171818	+	5.599E-36	8.9581E-34	0.330041	hyper	sig	chr13_25171818
chr2	2.19E+08	219404660	+	5.599E-36	8.9581E-34	0.327655	hyper	sig	chr2_219404660
chr1	2.21E+08	220882448	+	5.609E-36	8.9722E-34	0.381608	hyper	sig	chr1_220882448
chr17	77476146	77476146	+	5.62E-36	8.988E-34	0.372853	hyper	sig	chr17_77476146
chr7	1E+08	100177847	+	5.662E-36	9.0535E-34	0.329496	hyper	sig	chr7_100177847
chr13	37869580	37869580	+	5.712E-36	9.131E-34	0.377057	hyper	sig	chr13_37869580
chr3	44021823	44021823	+	5.762E-36	9.2096E-34	0.363068	hyper	sig	chr3_44021823
chr5	38259102	38259102	+	5.764E-36	9.2112E-34	0.251023	hyper	sig	chr5_38259102
chr16	67165560	67165560	+	5.773E-36	9.2226E-34	0.420848	hyper	sig	chr16_67165560
chr20	3237830	3237830	+	5.795E-36	9.256E-34	0.346867	hyper	sig	chr20_3237830
chr7	64045832	64045832	+	5.801E-36	9.2637E-34	0.31359	hyper	sig	chr7_64045832
chr14	90455312	90455312	+	5.823E-36	9.2981E-34	0.350157	hyper	sig	chr14_90455312
chr1	2.21E+08	220884281	+	5.872E-36	9.374E-34	0.4972	hyper	sig	chr1_220884281
chr6	32070400	32070400	+	5.896E-36	9.4097E-34	-0.39948	hypo	sig	chr6_32070400
chr20	46034991	46034991	+	5.981E-36	9.5437E-34	-0.45812	hypo	sig	chr20_46034991
chr6	33080778	33080778	+	5.992E-36	9.5593E-34	0.458998	hyper	sig	chr6_33080778
chr10	1.03E+08	103473666	+	5.997E-36	9.5666E-34	0.308447	hyper	sig	chr10_103473666
chr5	51389843	51389843	+	6.035E-36	9.6243E-34	0.279961	hyper	sig	chr5_51389843
chr16	88205379	88205379	+	6.054E-36	9.6524E-34	-0.30076	hypo	sig	chr16_88205379
chr19	55087414	55087414	+	6.069E-36	9.6748E-34	0.325031	hyper	sig	chr19_55087414
chr17	80086347	80086347	+	6.084E-36	9.6976E-34	-0.43278	hypo	sig	chr17_80086347
chr19	37507083	37507083	+	6.105E-36	9.7284E-34	0.264779	hyper	sig	chr19_37507083
chr2	2.39E+08	239308900	+	6.143E-36	9.7866E-34	0.361111	hyper	sig	chr2_239308900
chr7	1.3E+08	130486796	+	6.175E-36	9.8367E-34	-0.37314	hypo	sig	chr7_130486796
chr7	4810652	4810652	+	6.188E-36	9.8556E-34	-0.37787	hypo	sig	chr7_4810652
chr14	85529920	85529920	+	6.246E-36	9.9443E-34	0.302787	hyper	sig	chr14_85529920

chr21	45295123	45295123	+	6.246E-36	9.9443E-34	0.400074	hyper	sig	chr21_45295123
chr2	1.82E+08	181684059	+	6.259E-36	9.9621E-34	0.390995	hyper	sig	chr2_181684059
chr19	57584077	57584077	+	6.269E-36	9.9763E-34	0.402112	hyper	sig	chr19_57584077
chr19	37551572	37551572	+	6.281E-36	9.9932E-34	0.31242	hyper	sig	chr19_37551572
chr8	71842785	71842785	+	6.317E-36	1.0048E-33	0.330377	hyper	sig	chr8_71842785
chr1	24931730	24931730	+	6.33E-36	1.0066E-33	0.407565	hyper	sig	chr1_24931730
chr17	40089305	40089305	+	6.33E-36	1.0066E-33	0.222369	hyper	sig	chr17_40089305
chr2	74499910	74499910	+	6.368E-36	1.0124E-33	0.350712	hyper	sig	chr2_74499910
chr7	97007369	97007369	+	6.413E-36	1.0193E-33	0.375842	hyper	sig	chr7_97007369
chr6	29792212	29792212	+	6.444E-36	1.0241E-33	0.345007	hyper	sig	chr6_29792212
chr19	39892031	39892031	+	6.45E-36	1.0248E-33	0.349477	hyper	sig	chr19_39892031
chr8	17026716	17026716	+	6.484E-36	1.03E-33	0.300504	hyper	sig	chr8_17026716
chr12	1.14E+08	114444111	+	6.486E-36	1.0301E-33	0.437799	hyper	sig	chr12_114444111
chr8	52941090	52941090	+	6.488E-36	1.0302E-33	0.304566	hyper	sig	chr8_52941090
chr17	34580677	34580677	+	6.497E-36	1.0316E-33	0.277522	hyper	sig	chr17_34580677
chr14	62117557	62117557	+	6.506E-36	1.0327E-33	0.300372	hyper	sig	chr14_62117557
chr20	5315656	5315656	+	6.548E-36	1.0391E-33	0.363494	hyper	sig	chr20_5315656
chr8	1.41E+08	141230950	+	6.549E-36	1.0391E-33	-0.53002	hypo	sig	chr8_141230950
chr1	2.03E+08	203230720	+	6.551E-36	1.0393E-33	-0.33594	hypo	sig	chr1_203230720
chr16	3690833	3690833	+	6.553E-36	1.0394E-33	0.314413	hyper	sig	chr16_3690833
chr7	98133259	98133259	+	6.57E-36	1.0419E-33	-0.348	hypo	sig	chr7_98133259
chr7	27102669	27102669	+	6.618E-36	1.0493E-33	0.375108	hyper	sig	chr7_27102669
chr17	42653850	42653850	+	6.632E-36	1.0512E-33	0.32303	hyper	sig	chr17_42653850
chr14	1.04E+08	103520040	+	6.682E-36	1.059E-33	0.353782	hyper	sig	chr14_103520040
chr1	2E+08	200036325	+	6.688E-36	1.0598E-33	0.470621	hyper	sig	chr1_200036325
chr10	1.3E+08	129525826	+	6.706E-36	1.0623E-33	0.339825	hyper	sig	chr10_129525826
chr17	45262392	45262392	+	6.711E-36	1.063E-33	0.274494	hyper	sig	chr17_45262392
chr8	47998076	47998076	+	6.716E-36	1.0636E-33	-0.39827	hypo	sig	chr8_47998076
chr1	21338317	21338317	+	6.722E-36	1.0643E-33	0.363332	hyper	sig	chr1_21338317
chr4	1.45E+08	144645369	+	6.73E-36	1.0654E-33	0.397574	hyper	sig	chr4_144645369
chr11	30012849	30012849	+	6.749E-36	1.0682E-33	-0.35612	hypo	sig	chr11_30012849
chr3	44022073	44022073	+	6.769E-36	1.0712E-33	0.288148	hyper	sig	chr3_44022073
chr5	1.42E+08	141512778	+	6.81E-36	1.0773E-33	0.394563	hyper	sig	chr5_141512778
chr8	20252034	20252034	+	6.933E-36	1.0967E-33	-0.40833	hypo	sig	chr8_20252034
chr12	1.24E+08	124288094	+	7.084E-36	1.1202E-33	-0.31629	hypo	sig	chr12_124288094
chr15	89409662	89409662	+	7.087E-36	1.1206E-33	0.401689	hyper	sig	chr15_89409662
chr3	1.7E+08	169822593	+	7.111E-36	1.1242E-33	-0.48744	hypo	sig	chr3_169822593
chr10	93069252	93069252	+	7.15E-36	1.13E-33	0.366673	hyper	sig	chr10_93069252
chr2	2.32E+08	232387126	+	7.211E-36	1.1395E-33	0.360405	hyper	sig	chr2_232387126
chr6	1.67E+08	167286481	+	7.25E-36	1.1454E-33	-0.32409	hypo	sig	chr6_167286481
chr1	1.44E+08	143698891	+	7.261E-36	1.1469E-33	0.414395	hyper	sig	chr1_143698891
chr17	2796175	2796175	+	7.262E-36	1.1469E-33	-0.30987	hypo	sig	chr17_2796175
chr13	23547312	23547312	+	7.284E-36	1.1502E-33	0.415484	hyper	sig	chr13_23547312
chr7	1.5E+08	150341385	+	7.318E-36	1.1553E-33	0.487422	hyper	sig	chr7_150341385
chr17	81978724	81978724	+	7.391E-36	1.1666E-33	-0.43848	hypo	sig	chr17_81978724
chr11	72013371	72013371	+	7.441E-36	1.1742E-33	0.331806	hyper	sig	chr11_72013371
chr16	86619543	86619543	+	7.442E-36	1.1742E-33	-0.44757	hypo	sig	chr16_86619543
chr10	1.01E+08	100830411	+	7.467E-36	1.1779E-33	0.351273	hyper	sig	chr10_100830411
chr1	18631911	18631911	+	7.495E-36	1.1821E-33	0.397647	hyper	sig	chr1_18631911
chr5	1.59E+08	159096929	+	7.528E-36	1.1869E-33	0.529672	hyper	sig	chr5_159096929
chr7	4723551	4723551	+	7.527E-36	1.1869E-33	0.345225	hyper	sig	chr7_4723551
chr17	80919563	80919563	+	7.589E-36	1.1962E-33	0.314898	hyper	sig	chr17_80919563
chr1	2.14E+08	213996877	+	7.693E-36	1.2124E-33	0.325046	hyper	sig	chr1_213996877
chr1	2.28E+08	228464803	+	7.808E-36	1.2303E-33	0.324167	hyper	sig	chr1_228464803
chr13	1.13E+08	113110231	+	7.83E-36	1.2334E-33	0.624514	hyper	sig	chr13_113110231
chr17	45897503	45897503	+	7.832E-36	1.2334E-33	0.370747	hyper	sig	chr17_45897503

chr7	1.24E+08	124481008	+	7.832E-36	1.2334E-33	-0.3528	hypo	sig	chr7_124481008
chr2	1.34E+08	134024100	+	7.853E-36	1.2364E-33	-0.37719	hypo	sig	chr2_134024100
chr17	57954225	57954225	+	7.884E-36	1.2411E-33	0.3228	hyper	sig	chr17_57954225
chr10	98464421	98464421	+	7.894E-36	1.2424E-33	-0.39679	hypo	sig	chr10_98464421
chr19	36797638	36797638	+	7.906E-36	1.244E-33	0.2594	hyper	sig	chr19_36797638
chr2	10446772	10446772	+	7.909E-36	1.2442E-33	-0.43504	hypo	sig	chr2_10446772
chr16	85845372	85845372	+	7.928E-36	1.247E-33	0.412472	hyper	sig	chr16_85845372
chr17	1031369	1031369	+	7.937E-36	1.2481E-33	0.389245	hyper	sig	chr17_1031369
chr10	49610682	49610682	+	7.945E-36	1.2491E-33	0.367813	hyper	sig	chr10_49610682
chr12	57727767	57727767	+	7.998E-36	1.2573E-33	0.395237	hyper	sig	chr12_57727767
chr17	77377245	77377245	+	8.01E-36	1.2589E-33	0.394348	hyper	sig	chr17_77377245
chr11	4988081	4988081	+	8.012E-36	1.2589E-33	-0.32247	hypo	sig	chr11_4988081
chr2	2.41E+08	240519557	+	8.038E-36	1.2627E-33	0.372682	hyper	sig	chr2_240519557
chr8	88326885	88326885	+	8.042E-36	1.2632E-33	0.314195	hyper	sig	chr8_88326885
chr17	45788912	45788912	+	8.064E-36	1.2663E-33	-0.35978	hypo	sig	chr17_45788912
chr5	1.73E+08	172748663	+	8.142E-36	1.2784E-33	0.441478	hyper	sig	chr5_172748663
chr7	1.29E+08	128783498	+	8.185E-36	1.285E-33	0.392215	hyper	sig	chr7_128783498
chr2	1.19E+08	118854764	+	8.229E-36	1.2915E-33	0.303697	hyper	sig	chr2_118854764
chr8	49910660	49910660	+	8.238E-36	1.2928E-33	0.362427	hyper	sig	chr8_49910660
chr11	69818958	69818958	+	8.246E-36	1.2938E-33	0.349722	hyper	sig	chr11_69818958
chr7	79454233	79454233	+	8.258E-36	1.2954E-33	0.348749	hyper	sig	chr7_79454233
chr20	46513656	46513656	+	8.269E-36	1.2969E-33	0.351694	hyper	sig	chr20_46513656
chr20	885375	885375	+	8.337E-36	1.3072E-33	0.375006	hyper	sig	chr20_885375
chr6	1.7E+08	170253632	+	8.393E-36	1.3158E-33	-0.41063	hypo	sig	chr6_170253632
chr12	1.26E+08	125536181	+	8.433E-36	1.3218E-33	-0.34287	hypo	sig	chr12_125536181
chr4	7965548	7965548	+	8.469E-36	1.3272E-33	-0.40785	hypo	sig	chr4_7965548
chr13	28532932	28532932	+	8.489E-36	1.3301E-33	0.333089	hyper	sig	chr13_28532932
chr1	2.21E+08	220882079	+	8.57E-36	1.3425E-33	0.397416	hyper	sig	chr1_220882079
chr1	10672484	10672484	+	8.655E-36	1.3555E-33	0.479197	hyper	sig	chr1_10672484
chr16	58464826	58464826	+	8.7E-36	1.3623E-33	0.321863	hyper	sig	chr16_58464826
chr5	1.55E+08	154615047	+	8.718E-36	1.3649E-33	-0.34382	hypo	sig	chr5_154615047
chr1	2E+08	200036335	+	8.722E-36	1.3652E-33	0.433843	hyper	sig	chr1_200036335
chr13	25046923	25046923	+	8.733E-36	1.3667E-33	0.382856	hyper	sig	chr13_25046923
chr2	2.33E+08	233060142	+	8.771E-36	1.3724E-33	-0.42051	hypo	sig	chr2_233060142
chr19	57935464	57935464	+	8.79E-36	1.3751E-33	0.305212	hyper	sig	chr19_57935464
chr5	6349349	6349349	+	8.803E-36	1.3769E-33	-0.40002	hypo	sig	chr5_6349349
chr19	1775236	1775236	+	8.827E-36	1.3803E-33	0.373245	hyper	sig	chr19_1775236
chr5	1.49E+08	149420392	+	8.846E-36	1.3831E-33	0.370302	hyper	sig	chr5_149420392
chr20	24470830	24470830	+	8.852E-36	1.3838E-33	0.340293	hyper	sig	chr20_24470830
chr1	3650730	3650730	+	8.894E-36	1.39E-33	0.348454	hyper	sig	chr1_3650730
chr1	2.32E+08	232435589	+	8.942E-36	1.3972E-33	0.37003	hyper	sig	chr1_232435589
chr5	1.42E+08	141512727	+	9.062E-36	1.4158E-33	0.474997	hyper	sig	chr5_141512727
chr7	194863	194863	+	9.087E-36	1.4194E-33	0.36579	hyper	sig	chr7_194863
chr8	11347317	11347317	+	9.104E-36	1.4217E-33	0.463321	hyper	sig	chr8_11347317
chr17	40093318	40093318	+	9.314E-36	1.4543E-33	0.326197	hyper	sig	chr17_40093318
chr3	1.25E+08	125357084	+	9.366E-36	1.462E-33	0.488309	hyper	sig	chr3_125357084
chr11	31804244	31804244	+	9.39E-36	1.4656E-33	0.339067	hyper	sig	chr11_31804244
chr12	1.15E+08	114696611	+	9.494E-36	1.4814E-33	0.340997	hyper	sig	chr12_114696611
chr16	4319562	4319562	+	9.577E-36	1.4942E-33	-0.2604	hypo	sig	chr16_4319562
chr12	75209288	75209288	+	9.588E-36	1.4956E-33	0.400722	hyper	sig	chr12_75209288
chr16	67163275	67163275	+	9.656E-36	1.5056E-33	0.358883	hyper	sig	chr16_67163275
chr5	1.59E+08	159104549	+	9.674E-36	1.5081E-33	0.482193	hyper	sig	chr5_159104549
chr12	1.14E+08	114440747	+	9.683E-36	1.5092E-33	0.356642	hyper	sig	chr12_114440747
chr4	80265971	80265971	+	9.706E-36	1.5126E-33	0.280392	hyper	sig	chr4_80265971
chr8	1.41E+08	141230967	+	9.732E-36	1.5164E-33	-0.53167	hypo	sig	chr8_141230967
chr19	57889206	57889206	+	9.781E-36	1.5236E-33	0.326695	hyper	sig	chr19_57889206

chr8	1.38E+08	137755352	+	9.793E-36	1.5252E-33	-0.39742	hypo	sig	chr8_137755352
chr21	36708900	36708900	+	9.846E-36	1.5332E-33	0.263719	hyper	sig	chr21_36708900
chr16	31011032	31011032	+	9.876E-36	1.5376E-33	0.347565	hyper	sig	chr16_31011032
chr1	2073881	2073881	+	9.912E-36	1.5428E-33	0.431064	hyper	sig	chr1_2073881
chr3	1.16E+08	115790827	+	9.923E-36	1.5443E-33	-0.38758	hypo	sig	chr3_115790827
chr19	57614614	57614614	+	9.928E-36	1.5448E-33	0.416869	hyper	sig	chr19_57614614
chr2	2.38E+08	237886708	+	1.006E-35	1.5657E-33	0.436544	hyper	sig	chr2_237886708
chr13	26760122	26760122	+	1.009E-35	1.5692E-33	0.350729	hyper	sig	chr13_26760122
chr6	98825706	98825706	+	1.009E-35	1.5692E-33	0.326557	hyper	sig	chr6_98825706
chr13	35697823	35697823	+	1.01E-35	1.5706E-33	-0.41681	hypo	sig	chr13_35697823
chr7	1.54E+08	154305227	+	1.011E-35	1.572E-33	0.285546	hyper	sig	chr7_154305227
chr10	79382453	79382453	+	1.019E-35	1.5837E-33	0.30605	hyper	sig	chr10_79382453
chr5	1.72E+08	172097523	+	1.021E-35	1.5867E-33	0.306672	hyper	sig	chr5_172097523
chr9	1.3E+08	129620738	+	1.024E-35	1.5913E-33	0.409634	hyper	sig	chr9_129620738
chr15	90870006	90870006	+	1.027E-35	1.5946E-33	-0.40883	hypo	sig	chr15_90870006
chr2	73292962	73292962	+	1.032E-35	1.6032E-33	0.306599	hyper	sig	chr2_73292962
chr8	1.43E+08	142682014	+	1.033E-35	1.6043E-33	-0.36672	hypo	sig	chr8_142682014
chr2	1.61E+08	161427578	+	1.033E-35	1.6043E-33	0.319703	hyper	sig	chr2_161427578
chr11	65557687	65557687	+	1.037E-35	1.6102E-33	0.286735	hyper	sig	chr11_65557687
chr10	1.08E+08	107914599	+	1.039E-35	1.6118E-33	0.280463	hyper	sig	chr10_107914599
chr8	11347337	11347337	+	1.046E-35	1.6226E-33	0.409689	hyper	sig	chr8_11347337
chr13	1.11E+08	110628683	+	1.049E-35	1.6279E-33	0.311532	hyper	sig	chr13_110628683
chr2	28981249	28981249	+	1.05E-35	1.6283E-33	0.371881	hyper	sig	chr2_28981249
chr13	94705459	94705459	+	1.051E-35	1.6294E-33	0.332243	hyper	sig	chr13_94705459
chr6	1.68E+08	167706456	+	1.052E-35	1.6311E-33	-0.3726	hypo	sig	chr6_167706456
chr1	25567295	25567295	+	1.055E-35	1.6348E-33	0.376716	hyper	sig	chr1_25567295
chr2	2.39E+08	239029641	+	1.064E-35	1.6494E-33	-0.33784	hypo	sig	chr2_239029641
chr4	1.84E+08	183902883	+	1.066E-35	1.651E-33	-0.3833	hypo	sig	chr4_183902883
chr7	64574689	64574689	+	1.072E-35	1.6603E-33	0.352644	hyper	sig	chr7_64574689
chr17	35774268	35774268	+	1.082E-35	1.6752E-33	0.360319	hyper	sig	chr17_35774268
chr17	19580310	19580310	+	1.085E-35	1.6809E-33	0.306982	hyper	sig	chr17_19580310
chr2	2.33E+08	233388360	+	1.086E-35	1.6819E-33	0.328865	hyper	sig	chr2_233388360
chr2	1.19E+08	119010998	+	1.095E-35	1.6948E-33	-0.37642	hypo	sig	chr2_119010998
chr1	2.36E+08	236399790	+	1.1E-35	1.7027E-33	-0.37063	hypo	sig	chr1_236399790
chr7	1.43E+08	142864229	+	1.107E-35	1.7133E-33	-0.46209	hypo	sig	chr7_142864229
chr1	7059063	7059063	+	1.109E-35	1.7154E-33	-0.39193	hypo	sig	chr1_7059063
chr7	2203867	2203867	+	1.109E-35	1.7154E-33	0.410335	hyper	sig	chr7_2203867
chr1	44638224	44638224	+	1.114E-35	1.7228E-33	0.340464	hyper	sig	chr1_44638224
chr20	23049436	23049436	+	1.117E-35	1.7271E-33	0.337965	hyper	sig	chr20_23049436
chr20	56004293	56004293	+	1.128E-35	1.7442E-33	0.380833	hyper	sig	chr20_56004293
chr13	37869497	37869497	+	1.129E-35	1.7454E-33	0.362756	hyper	sig	chr13_37869497
chr4	3369825	3369825	+	1.137E-35	1.7568E-33	0.310891	hyper	sig	chr4_3369825
chr16	22212037	22212037	+	1.153E-35	1.7814E-33	0.375509	hyper	sig	chr16_22212037
chr7	54542664	54542664	+	1.164E-35	1.7979E-33	0.415748	hyper	sig	chr7_54542664
chr7	44141019	44141019	+	1.164E-35	1.7984E-33	-0.4158	hypo	sig	chr7_44141019
chr1	47444595	47444595	+	1.169E-35	1.8045E-33	0.344616	hyper	sig	chr1_47444595
chr8	76683086	76683086	+	1.17E-35	1.8063E-33	0.377999	hyper	sig	chr8_76683086
chr19	43774497	43774497	+	1.172E-35	1.8095E-33	0.350165	hyper	sig	chr19_43774497
chr14	1.05E+08	104844331	+	1.178E-35	1.8184E-33	0.498811	hyper	sig	chr14_104844331
chr20	25084187	25084187	+	1.179E-35	1.8184E-33	0.348686	hyper	sig	chr20_25084187
chr17	77233755	77233755	+	1.18E-35	1.8202E-33	-0.40526	hypo	sig	chr17_77233755
chr6	31728933	31728933	+	1.181E-35	1.8217E-33	0.305557	hyper	sig	chr6_31728933
chr12	1.2E+08	119803489	+	1.183E-35	1.8249E-33	0.381157	hyper	sig	chr12_119803489
chr5	1.56E+08	155728880	+	1.184E-35	1.8255E-33	0.36728	hyper	sig	chr5_155728880
chr2	1.09E+08	109323683	+	1.185E-35	1.826E-33	-0.384	hypo	sig	chr2_109323683
chr2	1.06E+08	106343412	+	1.187E-35	1.8287E-33	-0.41785	hypo	sig	chr2_106343412

chr4	54104008	54104008	+	1.189E-35	1.832E-33	0.366697	hyper	sig	chr4_54104008
chr7	79454437	79454437	+	1.2E-35	1.8486E-33	0.426845	hyper	sig	chr7_79454437
chr5	1.41E+08	141150858	+	1.204E-35	1.855E-33	0.4058	hyper	sig	chr5_141150858
chr13	1.14E+08	113533658	+	1.206E-35	1.858E-33	0.28868	hyper	sig	chr13_113533658
chr4	95548420	95548420	+	1.207E-35	1.8585E-33	0.272701	hyper	sig	chr4_95548420
chr11	64759690	64759690	+	1.209E-35	1.8617E-33	0.417688	hyper	sig	chr11_64759690
chr11	1.19E+08	119029401	+	1.223E-35	1.8819E-33	-0.32024	hypo	sig	chr11_119029401
chr5	1.34E+08	134113926	+	1.228E-35	1.89E-33	0.259111	hyper	sig	chr5_134113926
chr16	86531322	86531322	+	1.229E-35	1.8905E-33	0.399281	hyper	sig	chr16_86531322
chr16	85697683	85697683	+	1.233E-35	1.8961E-33	-0.38666	hypo	sig	chr16_85697683
chr19	48556256	48556256	+	1.236E-35	1.9011E-33	-0.40675	hypo	sig	chr19_48556256
chr2	44801693	44801693	+	1.249E-35	1.9202E-33	0.359815	hyper	sig	chr2_44801693
chr1	45623352	45623352	+	1.26E-35	1.9368E-33	0.35222	hyper	sig	chr1_45623352
chr17	77377255	77377255	+	1.271E-35	1.9536E-33	0.405565	hyper	sig	chr17_77377255
chr7	3302086	3302086	+	1.271E-35	1.9536E-33	0.310501	hyper	sig	chr7_3302086
chr3	27729528	27729528	+	1.275E-35	1.9591E-33	0.308496	hyper	sig	chr3_27729528
chr1	1.19E+08	119006202	+	1.276E-35	1.9608E-33	0.420698	hyper	sig	chr1_119006202
chr7	1.58E+08	157689572	+	1.284E-35	1.9724E-33	0.472021	hyper	sig	chr7_157689572
chr7	1.54E+08	154053315	+	1.289E-35	1.9793E-33	0.365674	hyper	sig	chr7_154053315
chr6	7344276	7344276	+	1.298E-35	1.9932E-33	-0.47734	hypo	sig	chr6_7344276
chr4	1.51E+08	150582419	+	1.301E-35	1.9967E-33	0.414434	hyper	sig	chr4_150582419
chr10	1.24E+08	124010677	+	1.304E-35	2.0019E-33	0.339671	hyper	sig	chr10_124010677
chr19	5294169	5294169	+	1.306E-35	2.0039E-33	0.336711	hyper	sig	chr19_5294169
chr8	22715708	22715708	+	1.307E-35	2.0057E-33	-0.36526	hypo	sig	chr8_22715708
chr3	1.47E+08	147411426	+	1.308E-35	2.0058E-33	0.350244	hyper	sig	chr3_147411426
chr21	36710307	36710307	+	1.308E-35	2.006E-33	0.312655	hyper	sig	chr21_36710307
chr6	1.66E+08	166009265	+	1.308E-35	2.006E-33	0.255304	hyper	sig	chr6_166009265
chr9	13278587	13278587	+	1.311E-35	2.0101E-33	0.347447	hyper	sig	chr9_13278587
chr11	6252315	6252315	+	1.316E-35	2.0166E-33	0.342403	hyper	sig	chr11_6252315
chr2	2.32E+08	232388052	+	1.316E-35	2.0171E-33	0.429894	hyper	sig	chr2_232388052
chr17	79801969	79801969	+	1.323E-35	2.027E-33	0.411563	hyper	sig	chr17_79801969
chr1	1.98E+08	197776029	+	1.331E-35	2.0391E-33	-0.32068	hypo	sig	chr1_197776029
chr10	22345329	22345329	+	1.333E-35	2.0416E-33	0.39209	hyper	sig	chr10_22345329
chr3	1.38E+08	138344018	+	1.346E-35	2.0618E-33	-0.41783	hypo	sig	chr3_138344018
chr19	57477766	57477766	+	1.348E-35	2.0634E-33	0.216191	hyper	sig	chr19_57477766
chr2	1.82E+08	181684595	+	1.349E-35	2.0653E-33	0.384412	hyper	sig	chr2_181684595
chr5	37835856	37835856	+	1.354E-35	2.0724E-33	0.363002	hyper	sig	chr5_37835856
chr19	13000016	13000016	+	1.358E-35	2.0784E-33	0.319778	hyper	sig	chr19_13000016
chr6	22294467	22294467	+	1.359E-35	2.0788E-33	0.312334	hyper	sig	chr6_22294467
chr8	49909759	49909759	+	1.361E-35	2.0822E-33	0.344641	hyper	sig	chr8_49909759
chr3	1.51E+08	150944910	+	1.362E-35	2.0835E-33	-0.38378	hypo	sig	chr3_150944910
chr3	1.29E+08	128557263	+	1.387E-35	2.1204E-33	-0.41553	hypo	sig	chr3_128557263
chr19	58059043	58059043	+	1.389E-35	2.1227E-33	0.409003	hyper	sig	chr19_58059043
chr5	61335201	61335201	+	1.39E-35	2.124E-33	0.391352	hyper	sig	chr5_61335201
chr1	24931705	24931705	+	1.39E-35	2.1243E-33	0.374063	hyper	sig	chr1_24931705
chr14	1.01E+08	101060866	+	1.394E-35	2.1294E-33	-0.39861	hypo	sig	chr14_101060866
chr1	2.21E+08	220882231	+	1.398E-35	2.1351E-33	0.388112	hyper	sig	chr1_220882231
chr7	1.57E+08	157467495	+	1.405E-35	2.1456E-33	-0.38199	hypo	sig	chr7_157467495
chr3	13041272	13041272	+	1.412E-35	2.1567E-33	-0.39135	hypo	sig	chr3_13041272
chr3	1.12E+08	111858810	+	1.415E-35	2.1601E-33	0.307442	hyper	sig	chr3_111858810
chr1	2.37E+08	237043209	+	1.424E-35	2.1729E-33	0.359768	hyper	sig	chr1_237043209
chr19	1908397	1908397	+	1.425E-35	2.1748E-33	-0.4034	hypo	sig	chr19_1908397
chr17	81277609	81277609	+	1.429E-35	2.1809E-33	0.367377	hyper	sig	chr17_81277609
chr8	30442639	30442639	+	1.442E-35	2.1993E-33	0.386934	hyper	sig	chr8_30442639
chr20	45297987	45297987	+	1.446E-35	2.2048E-33	-0.4696	hypo	sig	chr20_45297987
chr5	1.42E+08	141512743	+	1.456E-35	2.2198E-33	0.434571	hyper	sig	chr5_141512743

chr7	30770567	30770567	+	1.463E-35	2.2309E-33	-0.40853	hypo	sig	chr7_30770567
chr12	1.31E+08	130884990	+	1.466E-35	2.235E-33	-0.35453	hypo	sig	chr12_130884990
chr2	1.64E+08	163736051	+	1.478E-35	2.2521E-33	0.350212	hyper	sig	chr2_163736051
chr1	9356068	9356068	+	1.482E-35	2.259E-33	0.294139	hyper	sig	chr1_9356068
chr7	665798	665798	+	1.485E-35	2.2618E-33	0.37499	hyper	sig	chr7_665798
chr8	1.45E+08	144791068	+	1.488E-35	2.2671E-33	-0.35867	hypo	sig	chr8_144791068
chr3	13638111	13638111	+	1.49E-35	2.2695E-33	-0.35406	hypo	sig	chr3_13638111
chr8	48923579	48923579	+	1.494E-35	2.2754E-33	-0.40899	hypo	sig	chr8_48923579
chr13	27926818	27926818	+	1.495E-35	2.2767E-33	0.461508	hyper	sig	chr13_27926818
chr4	55125266	55125266	+	1.498E-35	2.2796E-33	0.383247	hyper	sig	chr4_55125266
chr21	42222317	42222317	+	1.502E-35	2.2864E-33	0.322611	hyper	sig	chr21_42222317
chr20	63320102	63320102	+	1.506E-35	2.2909E-33	-0.45268	hypo	sig	chr20_63320102
chr11	1.29E+08	128824373	+	1.508E-35	2.2936E-33	0.341581	hyper	sig	chr11_128824373
chr5	73420197	73420197	+	1.509E-35	2.2945E-33	0.25683	hyper	sig	chr5_73420197
chr3	1.22E+08	122184758	+	1.511E-35	2.2977E-33	0.377864	hyper	sig	chr3_122184758
chr6	1.66E+08	165989164	+	1.512E-35	2.2987E-33	0.253939	hyper	sig	chr6_165989164
chr17	17877623	17877623	+	1.518E-35	2.307E-33	0.368841	hyper	sig	chr17_17877623
chr11	20669868	20669868	+	1.527E-35	2.3206E-33	0.448692	hyper	sig	chr11_20669868
chr6	42727318	42727318	+	1.539E-35	2.3392E-33	0.454499	hyper	sig	chr6_42727318
chr6	32043910	32043910	+	1.548E-35	2.3518E-33	-0.39458	hypo	sig	chr6_32043910
chr19	18434252	18434252	+	1.556E-35	2.3643E-33	0.40879	hyper	sig	chr19_18434252
chr10	70267601	70267601	+	1.568E-35	2.3819E-33	-0.30052	hypo	sig	chr10_70267601
chr14	28778499	28778499	+	1.574E-35	2.3901E-33	0.303871	hyper	sig	chr14_28778499
chr12	27243961	27243961	+	1.575E-35	2.3905E-33	-0.37258	hypo	sig	chr12_27243961
chr13	37869973	37869973	+	1.578E-35	2.3947E-33	0.321873	hyper	sig	chr13_37869973
chr10	55630127	55630127	+	1.585E-35	2.4053E-33	0.370466	hyper	sig	chr10_55630127
chr4	1.53E+08	152935373	+	1.591E-35	2.4133E-33	-0.28332	hypo	sig	chr4_152935373
chr19	42096104	42096104	+	1.605E-35	2.435E-33	0.458275	hyper	sig	chr19_42096104
chr14	41606458	41606458	+	1.608E-35	2.4387E-33	0.289345	hyper	sig	chr14_41606458
chr14	95047608	95047608	+	1.614E-35	2.4472E-33	0.417282	hyper	sig	chr14_95047608
chr1	1.11E+08	110675665	+	1.615E-35	2.4487E-33	0.373103	hyper	sig	chr1_110675665
chr5	1.79E+08	178940650	+	1.623E-35	2.46E-33	0.462638	hyper	sig	chr5_178940650
chr8	46407279	46407279	+	1.634E-35	2.4757E-33	-0.35691	hypo	sig	chr8_46407279
chr15	90004805	90004805	+	1.642E-35	2.4882E-33	-0.40223	hypo	sig	chr15_90004805
chr6	9396779	9396779	+	1.657E-35	2.5107E-33	-0.31199	hypo	sig	chr6_9396779
chr20	56925549	56925549	+	1.669E-35	2.5286E-33	0.353667	hyper	sig	chr20_56925549
chr22	46085219	46085219	+	1.671E-35	2.5303E-33	-0.38203	hypo	sig	chr22_46085219
chr12	66852	66852	+	1.68E-35	2.5435E-33	0.257798	hyper	sig	chr12_66852
chr7	1.44E+08	143883024	+	1.688E-35	2.5558E-33	0.426685	hyper	sig	chr7_143883024
chr16	15143865	15143865	+	1.689E-35	2.5572E-33	0.518653	hyper	sig	chr16_15143865
chr5	31194341	31194341	+	1.694E-35	2.5629E-33	0.21909	hyper	sig	chr5_31194341
chr6	31058156	31058156	+	1.694E-35	2.5629E-33	-0.44691	hypo	sig	chr6_31058156
chr6	1.49E+08	149485516	+	1.705E-35	2.5798E-33	-0.28347	hypo	sig	chr6_149485516
chr7	797899	797899	+	1.715E-35	2.5936E-33	0.32027	hyper	sig	chr7_797899
chr1	1.81E+08	181413767	+	1.72E-35	2.6011E-33	-0.31965	hypo	sig	chr1_181413767
chr20	46513688	46513688	+	1.734E-35	2.6218E-33	0.342086	hyper	sig	chr20_46513688
chr10	1.01E+08	100519904	+	1.742E-35	2.6327E-33	0.383595	hyper	sig	chr10_100519904
chr11	88510459	88510459	+	1.747E-35	2.641E-33	-0.41165	hypo	sig	chr11_88510459
chr7	47039140	47039140	+	1.749E-35	2.6436E-33	-0.3933	hypo	sig	chr7_47039140
chr11	43559643	43559643	+	1.75E-35	2.6446E-33	-0.38019	hypo	sig	chr11_43559643
chr1	6273751	6273751	+	1.752E-35	2.6459E-33	-0.36229	hypo	sig	chr1_6273751
chr10	23191377	23191377	+	1.759E-35	2.6559E-33	0.299265	hyper	sig	chr10_23191377
chr16	67944132	67944132	+	1.762E-35	2.6601E-33	0.461748	hyper	sig	chr16_67944132
chr14	41606491	41606491	+	1.763E-35	2.6622E-33	0.356502	hyper	sig	chr14_41606491
chr13	1.11E+08	111052054	+	1.772E-35	2.6742E-33	-0.35799	hypo	sig	chr13_111052054
chr12	1.23E+08	123272471	+	1.775E-35	2.678E-33	0.34595	hyper	sig	chr12_123272471

chr5	1.42E+08	141512741	+	1.779E-35	2.6848E-33	0.430066	hyper	sig	chr5_141512741
chr20	46513624	46513624	+	1.781E-35	2.6874E-33	0.368783	hyper	sig	chr20_46513624
chr12	95549167	95549167	+	1.785E-35	2.6926E-33	0.34527	hyper	sig	chr12_95549167
chr1	47434593	47434593	+	1.79E-35	2.6987E-33	0.346058	hyper	sig	chr1_47434593
chr13	1.13E+08	113098370	+	1.795E-35	2.7069E-33	0.332972	hyper	sig	chr13_113098370
chr17	74351816	74351816	+	1.801E-35	2.7144E-33	0.500018	hyper	sig	chr17_74351816
chr4	95548418	95548418	+	1.806E-35	2.7222E-33	0.27971	hyper	sig	chr4_95548418
chr18	79480613	79480613	+	1.809E-35	2.7255E-33	0.367416	hyper	sig	chr18_79480613
chr1	2E+08	200035401	+	1.812E-35	2.7294E-33	0.289862	hyper	sig	chr1_200035401
chr20	63494929	63494929	+	1.814E-35	2.7319E-33	-0.40406	hypo	sig	chr20_63494929
chr12	1.17E+08	117030715	+	1.817E-35	2.7358E-33	0.398029	hyper	sig	chr12_117030715
chr2	2.38E+08	237509084	+	1.818E-35	2.7377E-33	-0.31863	hypo	sig	chr2_237509084
chr3	44021829	44021829	+	1.822E-35	2.7426E-33	0.323922	hyper	sig	chr3_44021829
chr19	48480821	48480821	+	1.836E-35	2.7632E-33	0.363227	hyper	sig	chr19_48480821
chr13	1.14E+08	114200839	+	1.849E-35	2.7832E-33	0.319244	hyper	sig	chr13_114200839
chr2	1937787	1937787	+	1.855E-35	2.7911E-33	-0.32082	hypo	sig	chr2_1937787
chr2	45004729	45004729	+	1.86E-35	2.7975E-33	0.300819	hyper	sig	chr2_45004729
chr6	1.52E+08	151807380	+	1.873E-35	2.817E-33	0.316724	hyper	sig	chr6_151807380
chr4	1.64E+08	164383177	+	1.881E-35	2.8281E-33	0.365149	hyper	sig	chr4_164383177
chr5	1.41E+08	141234287	+	1.887E-35	2.8372E-33	0.337194	hyper	sig	chr5_141234287
chr2	1.28E+08	127653115	+	1.889E-35	2.8389E-33	0.371444	hyper	sig	chr2_127653115
chr17	35490165	35490165	+	1.893E-35	2.8444E-33	0.340861	hyper	sig	chr17_35490165
chr3	49719078	49719078	+	1.894E-35	2.8456E-33	0.256273	hyper	sig	chr3_49719078
chr5	32522940	32522940	+	1.895E-35	2.8475E-33	-0.32549	hypo	sig	chr5_32522940
chr9	1045666	1045666	+	1.909E-35	2.8683E-33	0.340635	hyper	sig	chr9_1045666
chr12	84911898	84911898	+	1.92E-35	2.8836E-33	0.277035	hyper	sig	chr12_84911898
chr4	1.51E+08	150583910	+	1.934E-35	2.9043E-33	0.380694	hyper	sig	chr4_150583910
chr7	1.51E+08	150956155	+	1.958E-35	2.9393E-33	0.403214	hyper	sig	chr7_150956155
chr3	10993328	10993328	+	1.961E-35	2.9438E-33	0.382539	hyper	sig	chr3_10993328
chr13	70107672	70107672	+	1.963E-35	2.9464E-33	0.433882	hyper	sig	chr13_70107672
chr7	93890271	93890271	+	1.966E-35	2.9505E-33	0.343517	hyper	sig	chr7_93890271
chr7	79454450	79454450	+	1.974E-35	2.9608E-33	0.443561	hyper	sig	chr7_79454450
chr8	1.13E+08	113433675	+	1.974E-35	2.9611E-33	0.388343	hyper	sig	chr8_113433675
chr2	1.31E+08	131491710	+	1.984E-35	2.9759E-33	-0.30256	hypo	sig	chr2_131491710
chr5	1.46E+08	146342911	+	1.985E-35	2.9761E-33	0.348347	hyper	sig	chr5_146342911
chr1	1.77E+08	177171136	+	1.987E-35	2.9788E-33	0.294079	hyper	sig	chr1_177171136
chr5	1.81E+08	181100513	+	1.994E-35	2.9886E-33	0.292507	hyper	sig	chr5_181100513
chr19	21851997	21851997	+	1.995E-35	2.9899E-33	0.215574	hyper	sig	chr19_21851997
chr2	1.19E+08	118856944	+	2.004E-35	3.0028E-33	0.323369	hyper	sig	chr2_118856944
chr8	1.44E+08	143599347	+	2.006E-35	3.0049E-33	0.396698	hyper	sig	chr8_143599347
chr12	53938232	53938232	+	2.024E-35	3.0308E-33	0.35474	hyper	sig	chr12_53938232
chr6	26743516	26743516	+	2.025E-35	3.0318E-33	0.406725	hyper	sig	chr6_26743516
chr10	79240100	79240100	+	2.027E-35	3.0345E-33	0.368713	hyper	sig	chr10_79240100
chr2	86036147	86036147	+	2.027E-35	3.0348E-33	0.370901	hyper	sig	chr2_86036147
chr13	27924441	27924441	+	2.046E-35	3.0623E-33	0.423729	hyper	sig	chr13_27924441
chr11	69819690	69819690	+	2.055E-35	3.0748E-33	0.301438	hyper	sig	chr11_69819690
chr5	55223091	55223091	+	2.062E-35	3.0851E-33	0.321809	hyper	sig	chr5_55223091
chr7	665790	665790	+	2.068E-35	3.0938E-33	0.387848	hyper	sig	chr7_665790
chr6	1.08E+08	108115280	+	2.069E-35	3.0943E-33	0.26088	hyper	sig	chr6_108115280
chr1	1.21E+08	121006960	+	2.092E-35	3.1278E-33	0.328208	hyper	sig	chr1_121006960
chr10	1.01E+08	101132753	+	2.105E-35	3.1464E-33	0.440712	hyper	sig	chr10_101132753
chr17	39917896	39917896	+	2.113E-35	3.158E-33	-0.30785	hypo	sig	chr17_39917896
chr15	80999830	80999830	+	2.115E-35	3.161E-33	-0.31326	hypo	sig	chr15_80999830
chr7	50093535	50093535	+	2.122E-35	3.1697E-33	-0.266	hypo	sig	chr7_50093535
chr10	23191396	23191396	+	2.125E-35	3.1741E-33	0.282713	hyper	sig	chr10_23191396
chr10	1.28E+08	127737624	+	2.138E-35	3.1934E-33	0.318077	hyper	sig	chr10_127737624

chr17	45429775	45429775	+	2.141E-35	3.1966E-33	0.421336	hyper	sig	chr17_45429775
chr19	21474940	21474940	+	2.155E-35	3.2177E-33	0.385911	hyper	sig	chr19_21474940
chr1	2.28E+08	228341223	+	2.158E-35	3.2208E-33	-0.42691	hypo	sig	chr1_228341223
chr1	3140115	3140115	+	2.163E-35	3.2284E-33	0.374036	hyper	sig	chr1_3140115
chr16	3560581	3560581	+	2.164E-35	3.2292E-33	-0.37872	hypo	sig	chr16_3560581
chr5	88678701	88678701	+	2.165E-35	3.2292E-33	0.375096	hyper	sig	chr5_88678701
chr10	1.12E+08	112375120	+	2.165E-35	3.2298E-33	-0.30081	hypo	sig	chr10_112375120
chr17	81330698	81330698	+	2.173E-35	3.2411E-33	-0.35545	hypo	sig	chr17_81330698
chr19	40568212	40568212	+	2.176E-35	3.245E-33	0.353464	hyper	sig	chr19_40568212
chr3	1.96E+08	196180164	+	2.188E-35	3.2616E-33	-0.42845	hypo	sig	chr3_196180164
chr7	1.52E+08	151600261	+	2.19E-35	3.2641E-33	0.333927	hyper	sig	chr7_151600261
chr16	62036210	62036210	+	2.192E-35	3.2672E-33	0.333626	hyper	sig	chr16_62036210
chr1	1.19E+08	118986011	+	2.208E-35	3.29E-33	0.407526	hyper	sig	chr1_118986011
chr10	60732615	60732615	+	2.21E-35	3.2924E-33	-0.31642	hypo	sig	chr10_60732615
chr7	1364172	1364172	+	2.217E-35	3.3014E-33	-0.40772	hypo	sig	chr7_1364172
chr3	1.47E+08	147391639	+	2.222E-35	3.309E-33	0.410835	hyper	sig	chr3_147391639
chr15	99509020	99509020	+	2.223E-35	3.3091E-33	-0.38348	hypo	sig	chr15_99509020
chr13	70107706	70107706	+	2.233E-35	3.3233E-33	0.462502	hyper	sig	chr13_70107706
chr16	3949187	3949187	+	2.24E-35	3.3344E-33	0.292423	hyper	sig	chr16_3949187
chr1	2.35E+08	234772528	+	2.26E-35	3.3637E-33	-0.23713	hypo	sig	chr1_234772528
chr5	1.39E+08	139394225	+	2.263E-35	3.3666E-33	0.325454	hyper	sig	chr5_139394225
chr7	97022274	97022274	+	2.265E-35	3.3686E-33	0.344379	hyper	sig	chr7_97022274
chr19	1467016	1467016	+	2.316E-35	3.4433E-33	0.384239	hyper	sig	chr19_1467016
chr5	33936297	33936297	+	2.316E-35	3.4433E-33	0.368426	hyper	sig	chr5_33936297
chr6	1.27E+08	127119972	+	2.316E-35	3.4433E-33	0.276472	hyper	sig	chr6_127119972
chr16	58464670	58464670	+	2.324E-35	3.4539E-33	0.286377	hyper	sig	chr16_58464670
chr4	1.64E+08	164383336	+	2.339E-35	3.4765E-33	0.323356	hyper	sig	chr4_164383336
chr1	2E+08	200041119	+	2.352E-35	3.4953E-33	0.309811	hyper	sig	chr1_200041119
chr1	2.21E+08	220884317	+	2.353E-35	3.4962E-33	0.466459	hyper	sig	chr1_220884317
chr12	1.23E+08	123050520	+	2.366E-35	3.5148E-33	0.325224	hyper	sig	chr12_123050520
chr12	1.2E+08	120100988	+	2.391E-35	3.5507E-33	0.363387	hyper	sig	chr12_120100988
chr3	49902729	49902729	+	2.401E-35	3.5651E-33	-0.33618	hypo	sig	chr3_49902729
chr16	87612061	87612061	+	2.415E-35	3.5857E-33	-0.31643	hypo	sig	chr16_87612061
chr5	1.42E+08	141883696	+	2.424E-35	3.5971E-33	0.305537	hyper	sig	chr5_141883696
chr1	24931702	24931702	+	2.426E-35	3.5995E-33	0.369838	hyper	sig	chr1_24931702
chr5	1.41E+08	141421777	+	2.429E-35	3.6035E-33	0.355493	hyper	sig	chr5_141421777
chr13	52848922	52848922	+	2.431E-35	3.6067E-33	0.41997	hyper	sig	chr13_52848922
chr19	46413331	46413331	+	2.44E-35	3.6186E-33	0.355346	hyper	sig	chr19_46413331
chr10	49609163	49609163	+	2.443E-35	3.6225E-33	0.392113	hyper	sig	chr10_49609163
chr7	797894	797894	+	2.446E-35	3.6265E-33	0.304221	hyper	sig	chr7_797894
chr5	11384611	11384611	+	2.449E-35	3.6301E-33	0.314662	hyper	sig	chr5_11384611
chr8	56445725	56445725	+	2.457E-35	3.6411E-33	0.328803	hyper	sig	chr8_56445725
chr13	37869655	37869655	+	2.47E-35	3.6604E-33	0.326795	hyper	sig	chr13_37869655
chr19	2424838	2424838	+	2.5E-35	3.7036E-33	0.421971	hyper	sig	chr19_2424838
chr1	3139995	3139995	+	2.508E-35	3.7157E-33	0.388984	hyper	sig	chr1_3139995
chr11	57647028	57647028	+	2.514E-35	3.7226E-33	0.312956	hyper	sig	chr11_57647028
chr17	79981336	79981336	+	2.53E-35	3.7449E-33	0.299792	hyper	sig	chr17_79981336
chr5	3592614	3592614	+	2.529E-35	3.7449E-33	0.36502	hyper	sig	chr5_3592614
chr17	38855275	38855275	+	2.539E-35	3.7583E-33	-0.30974	hypo	sig	chr17_38855275
chr8	38318034	38318034	+	2.543E-35	3.7633E-33	0.308744	hyper	sig	chr8_38318034
chr7	3302062	3302062	+	2.549E-35	3.771E-33	0.327785	hyper	sig	chr7_3302062
chr8	1.45E+08	144700352	+	2.59E-35	3.8322E-33	0.2583	hyper	sig	chr8_144700352
chr5	1.41E+08	141433049	+	2.592E-35	3.8343E-33	0.389522	hyper	sig	chr5_141433049
chr20	21509936	21509936	+	2.608E-35	3.8563E-33	0.271045	hyper	sig	chr20_21509936
chr1	3140007	3140007	+	2.627E-35	3.884E-33	0.378012	hyper	sig	chr1_3140007
chr8	1.13E+08	113432855	+	2.631E-35	3.8892E-33	0.33091	hyper	sig	chr8_113432855

chr13	1.11E+08	110628782	+	2.635E-35	3.8941E-33	0.328495	hyper	sig	chr13_110628782
chr19	44757143	44757143	+	2.646E-35	3.9105E-33	0.321612	hyper	sig	chr19_44757143
chr4	30723207	30723207	+	2.649E-35	3.9142E-33	0.348586	hyper	sig	chr4_30723207
chr13	27927202	27927202	+	2.65E-35	3.915E-33	0.454908	hyper	sig	chr13_27927202
chr3	1.38E+08	137763167	+	2.652E-35	3.9161E-33	0.215739	hyper	sig	chr3_137763167
chr9	1.37E+08	136739761	+	2.652E-35	3.9161E-33	-0.39111	hypo	sig	chr9_136739761
chr19	53963253	53963253	+	2.653E-35	3.9177E-33	0.438999	hyper	sig	chr19_53963253
chr1	67701006	67701006	+	2.667E-35	3.9365E-33	-0.40911	hypo	sig	chr1_67701006
chr11	1.29E+08	128824314	+	2.694E-35	3.9761E-33	0.384467	hyper	sig	chr11_128824314
chr19	39892037	39892037	+	2.695E-35	3.9761E-33	0.339443	hyper	sig	chr19_39892037
chr20	63537478	63537478	+	2.702E-35	3.9859E-33	-0.31804	hypo	sig	chr20_63537478
chr10	1.01E+08	101132824	+	2.704E-35	3.9888E-33	0.458069	hyper	sig	chr10_101132824
chr7	1.56E+08	155532902	+	2.707E-35	3.9916E-33	0.319746	hyper	sig	chr7_155532902
chr5	11384572	11384572	+	2.745E-35	4.0479E-33	0.367624	hyper	sig	chr5_11384572
chr13	1.12E+08	112106667	+	2.746E-35	4.0483E-33	0.315408	hyper	sig	chr13_112106667
chr5	1.41E+08	141476791	+	2.765E-35	4.0757E-33	0.273605	hyper	sig	chr5_141476791
chr11	44311114	44311114	+	2.766E-35	4.076E-33	0.357571	hyper	sig	chr11_44311114
chr12	1.08E+08	108211479	+	2.781E-35	4.0978E-33	-0.36419	hypo	sig	chr12_108211479
chr2	31581146	31581146	+	2.783E-35	4.0998E-33	0.439655	hyper	sig	chr2_31581146
chr5	1.67E+08	166784717	+	2.793E-35	4.1138E-33	-0.39105	hypo	sig	chr5_166784717
chr4	6693653	6693653	+	2.795E-35	4.116E-33	-0.32172	hypo	sig	chr4_6693653
chr6	1.51E+08	151239817	+	2.811E-35	4.139E-33	0.366763	hyper	sig	chr6_151239817
chr3	23807635	23807635	+	2.847E-35	4.1913E-33	0.38356	hyper	sig	chr3_23807635
chr6	31728542	31728542	+	2.857E-35	4.2046E-33	0.37114	hyper	sig	chr6_31728542
chr7	1.58E+08	157684203	+	2.857E-35	4.2046E-33	0.434765	hyper	sig	chr7_157684203
chr16	86432821	86432821	+	2.866E-35	4.2168E-33	0.392157	hyper	sig	chr16_86432821
chr4	1.07E+08	107037392	+	2.892E-35	4.2539E-33	0.30444	hyper	sig	chr4_107037392
chr11	71615692	71615692	+	2.9E-35	4.2658E-33	-0.43358	hypo	sig	chr11_71615692
chr7	4767944	4767944	+	2.903E-35	4.2686E-33	0.361184	hyper	sig	chr7_4767944
chr17	45897555	45897555	+	2.91E-35	4.2783E-33	0.344721	hyper	sig	chr17_45897555
chr2	2.39E+08	239309113	+	2.926E-35	4.3014E-33	0.373513	hyper	sig	chr2_239309113
chr14	36664122	36664122	+	2.927E-35	4.3018E-33	0.314951	hyper	sig	chr14_36664122
chr14	75430673	75430673	+	2.938E-35	4.3174E-33	0.382517	hyper	sig	chr14_75430673
chr4	1.45E+08	144645361	+	2.946E-35	4.3283E-33	0.392129	hyper	sig	chr4_144645361
chr6	89118393	89118393	+	2.961E-35	4.3502E-33	0.353675	hyper	sig	chr6_89118393
chr21	42395977	42395977	+	2.967E-35	4.3568E-33	-0.37582	hypo	sig	chr21_42395977
chr2	2.32E+08	232387967	+	2.97E-35	4.3606E-33	0.478723	hyper	sig	chr2_232387967
chr4	1.04E+08	103720162	+	2.972E-35	4.363E-33	0.343135	hyper	sig	chr4_103720162
chr17	45262377	45262377	+	2.976E-35	4.3687E-33	0.27865	hyper	sig	chr17_45262377
chr7	1224407	1224407	+	2.977E-35	4.369E-33	0.470116	hyper	sig	chr7_1224407
chr10	23693471	23693471	+	2.978E-35	4.3698E-33	0.265611	hyper	sig	chr10_23693471
chr1	35560818	35560818	+	2.979E-35	4.371E-33	0.356815	hyper	sig	chr1_35560818
chr3	1.54E+08	154429082	+	2.982E-35	4.3734E-33	0.297041	hyper	sig	chr3_154429082
chr13	24932034	24932034	+	2.996E-35	4.3936E-33	0.369914	hyper	sig	chr13_24932034
chr16	70726098	70726098	+	3.008E-35	4.4102E-33	0.365901	hyper	sig	chr16_70726098
chr21	36697081	36697081	+	3.038E-35	4.4544E-33	0.337997	hyper	sig	chr21_36697081
chr13	93227368	93227368	+	3.046E-35	4.4653E-33	0.390405	hyper	sig	chr13_93227368
chr19	1468461	1468461	+	3.054E-35	4.476E-33	0.33288	hyper	sig	chr19_1468461
chr3	56465959	56465959	+	3.056E-35	4.4773E-33	-0.38968	hypo	sig	chr3_56465959
chr10	1.01E+08	101062245	+	3.066E-35	4.4918E-33	-0.4653	hypo	sig	chr10_101062245
chr12	1797593	1797593	+	3.069E-35	4.4937E-33	-0.33216	hypo	sig	chr12_1797593
chr2	1633309	1633309	+	3.068E-35	4.4937E-33	-0.44533	hypo	sig	chr2_1633309
chr6	10417430	10417430	+	3.074E-35	4.5003E-33	0.354587	hyper	sig	chr6_10417430
chr11	24496735	24496735	+	3.141E-35	4.5975E-33	0.352327	hyper	sig	chr11_24496735
chr6	71420909	71420909	+	3.163E-35	4.6294E-33	0.351786	hyper	sig	chr6_71420909
chr6	29627234	29627234	+	3.164E-35	4.6297E-33	0.429478	hyper	sig	chr6_29627234

chr11	1.16E+08	115750704	+	3.164E-35	4.6298E-33	-0.40283	hypo	sig	chr11_115750704
chr5	1.71E+08	171316969	+	3.187E-35	4.6618E-33	0.368104	hyper	sig	chr5_171316969
chr6	1.7E+08	169799097	+	3.188E-35	4.6629E-33	-0.38606	hypo	sig	chr6_169799097
chr1	1.59E+08	159170582	+	3.196E-35	4.6735E-33	-0.34451	hypo	sig	chr1_159170582
chr17	48552316	48552316	+	3.206E-35	4.6873E-33	0.403741	hyper	sig	chr17_48552316
chr3	1.72E+08	172448468	+	3.21E-35	4.692E-33	0.367965	hyper	sig	chr3_172448468
chr14	28774268	28774268	+	3.228E-35	4.7176E-33	0.305281	hyper	sig	chr14_28774268
chr4	1.74E+08	173531339	+	3.235E-35	4.7277E-33	0.347127	hyper	sig	chr4_173531339
chr7	18087378	18087378	+	3.259E-35	4.7614E-33	0.303313	hyper	sig	chr7_18087378
chr7	1.34E+08	134459354	+	3.28E-35	4.7918E-33	0.254497	hyper	sig	chr7_134459354
chr17	77409778	77409778	+	3.295E-35	4.8118E-33	0.412426	hyper	sig	chr17_77409778
chr14	53957043	53957043	+	3.303E-35	4.8218E-33	-0.32262	hypo	sig	chr14_53957043
chr19	20661264	20661264	+	3.303E-35	4.8218E-33	0.331874	hyper	sig	chr19_20661264
chr2	1.11E+08	111366535	+	3.308E-35	4.8292E-33	0.431446	hyper	sig	chr2_111366535
chr11	10295008	10295008	+	3.336E-35	4.8691E-33	-0.2599	hypo	sig	chr11_10295008
chr4	57197283	57197283	+	3.347E-35	4.8835E-33	-0.36911	hypo	sig	chr4_57197283
chr11	69654378	69654378	+	3.351E-35	4.8884E-33	-0.28312	hypo	sig	chr11_69654378
chr14	99215441	99215441	+	3.368E-35	4.9123E-33	0.363557	hyper	sig	chr14_99215441
chr2	66433043	66433043	+	3.373E-35	4.9196E-33	0.280017	hyper	sig	chr2_66433043
chr7	27102999	27102999	+	3.374E-35	4.9198E-33	0.481695	hyper	sig	chr7_27102999
chr5	83471798	83471798	+	3.422E-35	4.9895E-33	0.331298	hyper	sig	chr5_83471798
chr12	21941775	21941775	+	3.429E-35	4.997E-33	0.237708	hyper	sig	chr12_21941775
chr13	52848676	52848676	+	3.428E-35	4.997E-33	0.287684	hyper	sig	chr13_52848676
chr8	1.01E+08	101491638	+	3.447E-35	5.0221E-33	-0.25758	hypo	sig	chr8_101491638
chr1	1.64E+08	164321626	+	3.455E-35	5.0336E-33	0.317536	hyper	sig	chr1_164321626
chr19	58204665	58204665	+	3.457E-35	5.0352E-33	0.382941	hyper	sig	chr19_58204665
chr7	1.59E+08	159144004	+	3.477E-35	5.0628E-33	0.370709	hyper	sig	chr7_159144004
chr17	45430210	45430210	+	3.478E-35	5.0636E-33	0.432789	hyper	sig	chr17_45430210
chr6	1.27E+08	127120084	+	3.481E-35	5.0669E-33	0.273983	hyper	sig	chr6_127120084
chr1	1.47E+08	147078374	+	3.489E-35	5.0781E-33	0.406956	hyper	sig	chr1_147078374
chr19	57584100	57584100	+	3.503E-35	5.0983E-33	0.395601	hyper	sig	chr19_57584100
chr20	56004296	56004296	+	3.518E-35	5.119E-33	0.380323	hyper	sig	chr20_56004296
chr7	1.52E+08	151796547	+	3.522E-35	5.1232E-33	-0.34401	hypo	sig	chr7_151796547
chr19	15010719	15010719	+	3.528E-35	5.1317E-33	0.436013	hyper	sig	chr19_15010719
chr3	62370648	62370648	+	3.534E-35	5.1386E-33	0.383207	hyper	sig	chr3_62370648
chr13	23547231	23547231	+	3.535E-35	5.1396E-33	0.438799	hyper	sig	chr13_23547231
chr3	1.28E+08	128483347	+	3.54E-35	5.1453E-33	0.372116	hyper	sig	chr3_128483347
chr17	79802034	79802034	+	3.547E-35	5.1555E-33	0.372774	hyper	sig	chr17_79802034
chr20	23049465	23049465	+	3.557E-35	5.169E-33	0.330444	hyper	sig	chr20_23049465
chr13	1.08E+08	107866557	+	3.561E-35	5.1741E-33	0.327654	hyper	sig	chr13_107866557
chr8	739892	739892	+	3.563E-35	5.1757E-33	0.371181	hyper	sig	chr8_739892
chr17	47905688	47905688	+	3.57E-35	5.1855E-33	0.343599	hyper	sig	chr17_47905688
chr10	1.05E+08	104640899	+	3.587E-35	5.2091E-33	0.437122	hyper	sig	chr10_104640899
chr2	2.41E+08	240519553	+	3.589E-35	5.2114E-33	0.377907	hyper	sig	chr2_240519553
chr11	32431316	32431316	+	3.613E-35	5.2451E-33	0.308183	hyper	sig	chr11_32431316
chr13	27922473	27922473	+	3.644E-35	5.2888E-33	0.437441	hyper	sig	chr13_27922473
chr11	20671157	20671157	+	3.646E-35	5.2913E-33	0.348666	hyper	sig	chr11_20671157
chr14	26598681	26598681	+	3.666E-35	5.3187E-33	0.30334	hyper	sig	chr14_26598681
chr17	77285958	77285958	+	3.694E-35	5.3584E-33	-0.28968	hypo	sig	chr17_77285958
chr19	1775313	1775313	+	3.695E-35	5.3595E-33	0.392001	hyper	sig	chr19_1775313
chr14	41605357	41605357	+	3.738E-35	5.4204E-33	0.280722	hyper	sig	chr14_41605357
chr10	42475748	42475748	+	3.752E-35	5.4399E-33	0.356066	hyper	sig	chr10_42475748
chr5	38846433	38846433	+	3.772E-35	5.4677E-33	0.301452	hyper	sig	chr5_38846433
chr14	36513484	36513484	+	3.781E-35	5.4792E-33	0.323087	hyper	sig	chr14_36513484
chr5	1876225	1876225	+	3.793E-35	5.4964E-33	0.336596	hyper	sig	chr5_1876225
chr19	18434273	18434273	+	3.795E-35	5.4983E-33	0.379539	hyper	sig	chr19_18434273

chr2	1.01E+08	101480830	+	3.805E-35	5.5114E-33	-0.38608	hypo	sig	chr2_101480830
chr15	45704528	45704528	+	3.817E-35	5.528E-33	0.332502	hyper	sig	chr15_45704528
chr10	23174092	23174092	+	3.841E-35	5.5613E-33	0.387491	hyper	sig	chr10_23174092
chr7	4810687	4810687	+	3.843E-35	5.5629E-33	-0.36122	hypo	sig	chr7_4810687
chr8	1.08E+08	108083620	+	3.845E-35	5.5655E-33	0.306073	hyper	sig	chr8_108083620
chr2	2.22E+08	222289421	+	3.849E-35	5.5706E-33	0.362441	hyper	sig	chr2_222289421
chr1	1.48E+08	148310439	+	3.86E-35	5.5853E-33	0.370886	hyper	sig	chr1_148310439
chr2	2.42E+08	241852729	+	3.861E-35	5.5853E-33	-0.3804	hypo	sig	chr2_241852729
chr20	63244889	63244889	+	3.866E-35	5.5922E-33	-0.39239	hypo	sig	chr20_63244889
chr15	45704473	45704473	+	3.899E-35	5.6382E-33	0.314212	hyper	sig	chr15_45704473
chr8	51809242	51809242	+	3.912E-35	5.657E-33	0.344209	hyper	sig	chr8_51809242
chr1	75128571	75128571	+	3.916E-35	5.6614E-33	0.339957	hyper	sig	chr1_75128571
chr10	26622081	26622081	+	3.919E-35	5.6645E-33	-0.39148	hypo	sig	chr10_26622081
chr4	54232203	54232203	+	3.925E-35	5.6725E-33	0.348513	hyper	sig	chr4_54232203
chr6	1.6E+08	160258792	+	3.945E-35	5.6994E-33	0.327278	hyper	sig	chr6_160258792
chr9	1.34E+08	133569168	+	3.951E-35	5.7074E-33	-0.34275	hypo	sig	chr9_133569168
chr12	52493782	52493782	+	3.967E-35	5.7304E-33	-0.39791	hypo	sig	chr12_52493782
chr10	1.33E+08	132940839	+	3.971E-35	5.7338E-33	-0.41577	hypo	sig	chr10_132940839
chr10	43865451	43865451	+	3.976E-35	5.7406E-33	0.333014	hyper	sig	chr10_43865451
chr10	70442118	70442118	+	3.986E-35	5.7544E-33	-0.39086	hypo	sig	chr10_70442118
chr2	11587047	11587047	+	4.006E-35	5.7816E-33	-0.37835	hypo	sig	chr2_11587047
chr20	21516052	21516052	+	4.08E-35	5.8881E-33	0.253324	hyper	sig	chr20_21516052
chr6	27680225	27680225	+	4.104E-35	5.9213E-33	0.317132	hyper	sig	chr6_27680225
chr16	843238	843238	+	4.107E-35	5.9247E-33	-0.37035	hypo	sig	chr16_843238
chr16	15724953	15724953	+	4.157E-35	5.9952E-33	0.313834	hyper	sig	chr16_15724953
chr1	2.28E+08	228464714	+	4.158E-35	5.9954E-33	0.313951	hyper	sig	chr1_228464714
chr17	64779064	64779064	+	4.176E-35	6.0211E-33	0.516003	hyper	sig	chr17_64779064
chr2	27085566	27085566	+	4.178E-35	6.0231E-33	0.315225	hyper	sig	chr2_27085566
chr16	51151171	51151171	+	4.196E-35	6.0474E-33	0.419662	hyper	sig	chr16_51151171
chr19	44757150	44757150	+	4.198E-35	6.0491E-33	0.329557	hyper	sig	chr19_44757150
chr1	40754434	40754434	+	4.217E-35	6.0754E-33	0.269959	hyper	sig	chr1_40754434
chr10	1.01E+08	100830426	+	4.221E-35	6.0802E-33	0.357071	hyper	sig	chr10_100830426
chr11	8806079	8806079	+	4.241E-35	6.1076E-33	0.365733	hyper	sig	chr11_8806079
chr14	80959671	80959671	+	4.247E-35	6.1152E-33	-0.31195	hypo	sig	chr14_80959671
chr6	589335	589335	+	4.255E-35	6.1255E-33	0.293848	hyper	sig	chr6_589335
chr3	38634294	38634294	+	4.272E-35	6.1494E-33	-0.40142	hypo	sig	chr3_38634294
chr13	1.12E+08	112105390	+	4.276E-35	6.1542E-33	0.50609	hyper	sig	chr13_112105390
chr12	72271549	72271549	+	4.284E-35	6.164E-33	0.463166	hyper	sig	chr12_72271549
chr6	29792195	29792195	+	4.294E-35	6.1779E-33	0.350476	hyper	sig	chr6_29792195
chr5	1.41E+08	141478540	+	4.301E-35	6.1863E-33	0.361697	hyper	sig	chr5_141478540
chr5	1.35E+08	135039041	+	4.332E-35	6.2304E-33	0.465837	hyper	sig	chr5_135039041
chr2	2.41E+08	241049926	+	4.354E-35	6.2598E-33	0.39783	hyper	sig	chr2_241049926
chr7	1.54E+08	153749629	+	4.353E-35	6.2598E-33	0.39026	hyper	sig	chr7_153749629
chr4	1.45E+08	144645351	+	4.358E-35	6.2642E-33	0.415986	hyper	sig	chr4_144645351
chr14	47675111	47675111	+	4.365E-35	6.274E-33	0.382117	hyper	sig	chr14_47675111
chr4	95548137	95548137	+	4.398E-35	6.3202E-33	0.307316	hyper	sig	chr4_95548137
chr11	65546550	65546550	+	4.403E-35	6.325E-33	-0.33332	hypo	sig	chr11_65546550
chr17	45262406	45262406	+	4.421E-35	6.3507E-33	0.296788	hyper	sig	chr17_45262406
chr17	64778528	64778528	+	4.44E-35	6.377E-33	0.309884	hyper	sig	chr17_64778528
chr6	72621425	72621425	+	4.467E-35	6.4136E-33	0.293637	hyper	sig	chr6_72621425
chr1	3140067	3140067	+	4.522E-35	6.4927E-33	0.366178	hyper	sig	chr1_3140067
chr13	94968722	94968722	+	4.563E-35	6.5491E-33	0.378427	hyper	sig	chr13_94968722
chr10	69571934	69571934	+	4.577E-35	6.5688E-33	0.390567	hyper	sig	chr10_69571934
chr16	4263397	4263397	+	4.578E-35	6.5688E-33	0.295626	hyper	sig	chr16_4263397
chr17	76688501	76688501	+	4.579E-35	6.5696E-33	0.419928	hyper	sig	chr17_76688501
chr8	42768803	42768803	+	4.584E-35	6.5752E-33	-0.34972	hypo	sig	chr8_42768803

chr2	2.42E+08	241659408	+	4.586E-35	6.5753E-33	0.453646	hyper	sig	chr2_241659408
chr8	38318133	38318133	+	4.585E-35	6.5753E-33	0.310584	hyper	sig	chr8_38318133
chr13	1.12E+08	112069228	+	4.604E-35	6.5999E-33	0.344658	hyper	sig	chr13_112069228
chr20	25082135	25082135	+	4.604E-35	6.5999E-33	0.334668	hyper	sig	chr20_25082135
chr20	21508558	21508558	+	4.629E-35	6.6337E-33	0.418505	hyper	sig	chr20_21508558
chr7	97018555	97018555	+	4.671E-35	6.6928E-33	0.453919	hyper	sig	chr7_97018555
chr10	1.01E+08	101136888	+	4.68E-35	6.7042E-33	0.340131	hyper	sig	chr10_101136888
chr7	1.5E+08	150389081	+	4.778E-35	6.8443E-33	0.397969	hyper	sig	chr7_150389081
chr4	1.51E+08	150579825	+	4.796E-35	6.8676E-33	0.484059	hyper	sig	chr4_150579825
chr9	1.21E+08	120894885	+	4.796E-35	6.8676E-33	0.434323	hyper	sig	chr9_120894885
chr1	1.1E+08	109668440	+	4.799E-35	6.8699E-33	0.498571	hyper	sig	chr1_109668440
chr8	87820976	87820976	+	4.812E-35	6.8884E-33	-0.40462	hypo	sig	chr8_87820976
chr17	1031388	1031388	+	4.833E-35	6.9168E-33	0.392601	hyper	sig	chr17_1031388
chr14	95227470	95227470	+	4.87E-35	6.9679E-33	0.300355	hyper	sig	chr14_95227470
chr19	39892033	39892033	+	4.874E-35	6.9723E-33	0.3367	hyper	sig	chr19_39892033
chr13	1.12E+08	111561765	+	4.89E-35	6.9942E-33	-0.38687	hypo	sig	chr13_111561765
chr11	73325134	73325134	+	4.906E-35	7.0166E-33	0.349341	hyper	sig	chr11_73325134
chr16	86504737	86504737	+	4.913E-35	7.0247E-33	0.355146	hyper	sig	chr16_86504737
chr16	29289355	29289355	+	4.919E-35	7.0323E-33	-0.32453	hypo	sig	chr16_29289355
chr2	2.22E+08	222304117	+	4.92E-35	7.033E-33	0.353047	hyper	sig	chr2_222304117
chr13	1.1E+08	110307044	+	4.922E-35	7.0334E-33	0.323448	hyper	sig	chr13_110307044
chr19	36797470	36797470	+	4.939E-35	7.0576E-33	0.296049	hyper	sig	chr19_36797470
chr5	1.71E+08	171308244	+	4.942E-35	7.0603E-33	0.329006	hyper	sig	chr5_171308244
chr8	1.45E+08	144713217	+	4.956E-35	7.0793E-33	0.427172	hyper	sig	chr8_144713217
chr13	70107647	70107647	+	4.959E-35	7.0816E-33	0.445647	hyper	sig	chr13_70107647
chr8	53877069	53877069	+	4.978E-35	7.1081E-33	0.396655	hyper	sig	chr8_53877069
chr5	998953	998953	+	5.009E-35	7.1515E-33	0.380459	hyper	sig	chr5_998953
chr6	30127518	30127518	+	5.021E-35	7.1662E-33	0.330963	hyper	sig	chr6_30127518
chr20	3237841	3237841	+	5.028E-35	7.1756E-33	0.357632	hyper	sig	chr20_3237841
chr2	2.38E+08	238261036	+	5.035E-35	7.1833E-33	0.286793	hyper	sig	chr2_238261036
chr7	35186169	35186169	+	5.035E-35	7.1833E-33	0.275924	hyper	sig	chr7_35186169
chr5	1.41E+08	141393071	+	5.041E-35	7.1894E-33	0.321852	hyper	sig	chr5_141393071
chr7	1.58E+08	157553920	+	5.053E-35	7.2066E-33	-0.40409	hypo	sig	chr7_157553920
chr4	1.7E+08	170091307	+	5.068E-35	7.2255E-33	-0.47215	hypo	sig	chr4_170091307
chr16	31042165	31042165	+	5.086E-35	7.2502E-33	0.464895	hyper	sig	chr16_31042165
chr19	4531652	4531652	+	5.109E-35	7.2827E-33	-0.35849	hypo	sig	chr19_4531652
chr17	58157590	58157590	+	5.113E-35	7.2859E-33	0.397601	hyper	sig	chr17_58157590
chr7	1.59E+08	159143966	+	5.129E-35	7.3078E-33	0.348149	hyper	sig	chr7_159143966
chr13	1.12E+08	112055191	+	5.141E-35	7.3245E-33	0.346474	hyper	sig	chr13_112055191
chr6	50707845	50707845	+	5.184E-35	7.383E-33	0.353275	hyper	sig	chr6_50707845
chr5	1.16E+08	115816674	+	5.186E-35	7.3852E-33	0.32003	hyper	sig	chr5_115816674
chr8	1.41E+08	140527962	+	5.211E-35	7.4201E-33	0.372639	hyper	sig	chr8_140527962
chr8	1.43E+08	142564220	+	5.227E-35	7.4412E-33	-0.35926	hypo	sig	chr8_142564220
chr15	89408639	89408639	+	5.273E-35	7.5052E-33	0.3259	hyper	sig	chr15_89408639
chr3	1.51E+08	150520518	+	5.298E-35	7.5395E-33	-0.40224	hypo	sig	chr3_150520518
chr20	61544474	61544474	+	5.304E-35	7.5467E-33	-0.42097	hypo	sig	chr20_61544474
chr11	31988458	31988458	+	5.382E-35	7.656E-33	-0.32161	hypo	sig	chr11_31988458
chr16	1176100	1176100	+	5.385E-35	7.6571E-33	-0.38634	hypo	sig	chr16_1176100
chr2	2.19E+08	219057627	+	5.385E-35	7.6571E-33	0.29193	hyper	sig	chr2_219057627
chr8	22641295	22641295	+	5.385E-35	7.6571E-33	0.321073	hyper	sig	chr8_22641295
chr11	1.34E+08	133829856	+	5.414E-35	7.6963E-33	-0.38594	hypo	sig	chr11_133829856
chr3	94937447	94937447	+	5.44E-35	7.732E-33	-0.40594	hypo	sig	chr3_94937447
chr5	41509780	41509780	+	5.51E-35	7.8295E-33	0.361516	hyper	sig	chr5_41509780
chr19	53308635	53308635	+	5.535E-35	7.8644E-33	0.351883	hyper	sig	chr19_53308635
chr12	6312577	6312577	+	5.554E-35	7.89E-33	-0.3899	hypo	sig	chr12_6312577
chr19	18429073	18429073	+	5.589E-35	7.9368E-33	0.344882	hyper	sig	chr19_18429073

chr4	1.64E+08	164383277	+	5.589E-35	7.9368E-33	0.354284	hyper	sig	chr4_164383277
chr11	504968	504968	+	5.603E-35	7.9551E-33	0.357409	hyper	sig	chr11_504968
chr7	1.54E+08	153748191	+	5.605E-35	7.9565E-33	0.365503	hyper	sig	chr7_153748191
chr13	1.12E+08	111974459	+	5.61E-35	7.9627E-33	0.349059	hyper	sig	chr13_111974459
chr8	30442626	30442626	+	5.619E-35	7.9733E-33	0.384725	hyper	sig	chr8_30442626
chr1	3437843	3437843	+	5.639E-35	8.0014E-33	-0.3516	hypo	sig	chr1_3437843
chr5	55223133	55223133	+	5.713E-35	8.1041E-33	0.369523	hyper	sig	chr5_55223133
chr8	1.2E+08	120125298	+	5.714E-35	8.1049E-33	0.312441	hyper	sig	chr8_120125298
chr1	2.21E+08	220882229	+	5.738E-35	8.1365E-33	0.38998	hyper	sig	chr1_220882229
chr7	4810640	4810640	+	5.761E-35	8.1677E-33	-0.38449	hypo	sig	chr7_4810640
chr6	33080772	33080772	+	5.762E-35	8.1684E-33	0.458796	hyper	sig	chr6_33080772
chr3	1.94E+08	193872148	+	5.778E-35	8.1895E-33	-0.38578	hypo	sig	chr3_193872148
chr16	51151174	51151174	+	5.782E-35	8.1944E-33	0.431152	hyper	sig	chr16_51151174
chr7	781677	781677	+	5.873E-35	8.3211E-33	0.266491	hyper	sig	chr7_781677
chr3	1.82E+08	181696397	+	5.908E-35	8.3689E-33	0.258192	hyper	sig	chr3_181696397
chr10	22345193	22345193	+	5.916E-35	8.3795E-33	0.318162	hyper	sig	chr10_22345193
chr1	2.28E+08	228464806	+	5.93E-35	8.3967E-33	0.313126	hyper	sig	chr1_228464806
chr6	26225193	26225193	+	5.93E-35	8.3967E-33	0.347173	hyper	sig	chr6_26225193
chr7	97013491	97013491	+	5.963E-35	8.4417E-33	0.352778	hyper	sig	chr7_97013491
chr7	97013410	97013410	+	5.99E-35	8.4775E-33	0.357992	hyper	sig	chr7_97013410
chr17	19580322	19580322	+	6.007E-35	8.4991E-33	0.327147	hyper	sig	chr17_19580322
chr8	1.13E+08	113432882	+	6.006E-35	8.4991E-33	0.326325	hyper	sig	chr8_113432882
chr13	27976257	27976257	+	6.02E-35	8.5165E-33	0.350471	hyper	sig	chr13_27976257
chr14	89490473	89490473	+	6.048E-35	8.5542E-33	0.308893	hyper	sig	chr14_89490473
chr10	1.19E+08	119334915	+	6.056E-35	8.5641E-33	0.391754	hyper	sig	chr10_119334915
chr17	2796077	2796077	+	6.083E-35	8.6008E-33	-0.24347	hypo	sig	chr17_2796077
chr13	36297557	36297557	+	6.097E-35	8.6187E-33	0.26859	hyper	sig	chr13_36297557
chr17	43400054	43400054	+	6.102E-35	8.6251E-33	0.323689	hyper	sig	chr17_43400054
chr19	57935592	57935592	+	6.119E-35	8.6466E-33	0.310405	hyper	sig	chr19_57935592
chr8	48735428	48735428	+	6.138E-35	8.6728E-33	0.355292	hyper	sig	chr8_48735428
chr17	77377375	77377375	+	6.249E-35	8.8282E-33	0.337157	hyper	sig	chr17_77377375
chr10	1.26E+08	125574282	+	6.255E-35	8.833E-33	-0.31638	hypo	sig	chr10_125574282
chr17	38855210	38855210	+	6.256E-35	8.833E-33	-0.37929	hypo	sig	chr17_38855210
chr9	95447945	95447945	+	6.256E-35	8.833E-33	0.377183	hyper	sig	chr9_95447945
chr14	93240215	93240215	+	6.267E-35	8.8472E-33	-0.29349	hypo	sig	chr14_93240215
chr1	1.1E+08	109668368	+	6.3E-35	8.892E-33	0.39026	hyper	sig	chr1_109668368
chr1	23913510	23913510	+	6.323E-35	8.9224E-33	-0.28313	hypo	sig	chr1_23913510
chr10	16520630	16520630	+	6.355E-35	8.9666E-33	0.336304	hyper	sig	chr10_16520630
chr1	10672477	10672477	+	6.372E-35	8.9888E-33	0.467672	hyper	sig	chr1_10672477
chr2	66425817	66425817	+	6.374E-35	8.9905E-33	0.245824	hyper	sig	chr2_66425817
chr1	1.58E+08	157968881	+	6.442E-35	9.0841E-33	-0.29496	hypo	sig	chr1_157968881
chr20	63178463	63178463	+	6.451E-35	9.0959E-33	0.338442	hyper	sig	chr20_63178463
chr7	1.3E+08	130486841	+	6.457E-35	9.1018E-33	-0.36203	hypo	sig	chr7_130486841
chr7	1.33E+08	132578342	+	6.458E-35	9.1018E-33	-0.5223	hypo	sig	chr7_132578342
chr2	74436355	74436355	+	6.468E-35	9.1155E-33	0.301064	hyper	sig	chr2_74436355
chr11	1.25E+08	125357593	+	6.473E-35	9.1206E-33	-0.44136	hypo	sig	chr11_125357593
chr2	7031825	7031825	+	6.525E-35	9.192E-33	-0.31899	hypo	sig	chr2_7031825
chr22	43437270	43437270	+	6.543E-35	9.2165E-33	-0.3529	hypo	sig	chr22_43437270
chr14	28774296	28774296	+	6.553E-35	9.2278E-33	0.347642	hyper	sig	chr14_28774296
chr20	62063998	62063998	+	6.571E-35	9.2526E-33	0.343705	hyper	sig	chr20_62063998
chr12	1.31E+08	131446160	+	6.575E-35	9.2557E-33	0.415318	hyper	sig	chr12_131446160
chr3	1.47E+08	147423090	+	6.586E-35	9.2699E-33	0.345111	hyper	sig	chr3_147423090
chr2	1.05E+08	104856710	+	6.61E-35	9.3016E-33	0.32469	hyper	sig	chr2_104856710
chr1	2.08E+08	207911597	+	6.64E-35	9.3428E-33	-0.30005	hypo	sig	chr1_207911597
chr1	40312651	40312651	+	6.642E-35	9.3437E-33	-0.4112	hypo	sig	chr1_40312651
chr6	1.61E+08	160767592	+	6.734E-35	9.472E-33	0.281913	hyper	sig	chr6_160767592

chr13	40534656	40534656	+	6.764E-35	9.5123E-33	-0.35412	hypo	sig	chr13_40534656
chr14	99215460	99215460	+	6.769E-35	9.5175E-33	0.386868	hyper	sig	chr14_99215460
chr10	1.32E+08	132132404	+	6.788E-35	9.5426E-33	-0.53944	hypo	sig	chr10_132132404
chr1	8370622	8370622	+	6.795E-35	9.5509E-33	0.394269	hyper	sig	chr1_8370622
chr5	33936127	33936127	+	6.81E-35	9.5699E-33	0.301534	hyper	sig	chr5_33936127
chr1	37475735	37475735	+	6.812E-35	9.571E-33	-0.30006	hypo	sig	chr1_37475735
chr8	56445708	56445708	+	6.813E-35	9.571E-33	0.335905	hyper	sig	chr8_56445708
chr1	22643639	22643639	+	6.841E-35	9.6088E-33	-0.39418	hypo	sig	chr1_22643639
chr4	7433668	7433668	+	6.91E-35	9.7048E-33	-0.36605	hypo	sig	chr4_7433668
chr13	67773252	67773252	+	6.917E-35	9.7117E-33	-0.48142	hypo	sig	chr13_67773252
chr3	1.13E+08	113441738	+	6.962E-35	9.7742E-33	0.313839	hyper	sig	chr3_113441738
chr18	44950970	44950970	+	7.013E-35	9.8443E-33	-0.29812	hypo	sig	chr18_44950970
chr16	88130301	88130301	+	7.034E-35	9.8709E-33	0.304564	hyper	sig	chr16_88130301
chr19	44448537	44448537	+	7.045E-35	9.8853E-33	0.307661	hyper	sig	chr19_44448537
chr13	1.13E+08	112843636	+	7.074E-35	9.9247E-33	0.279228	hyper	sig	chr13_112843636
chr6	30127210	30127210	+	7.115E-35	9.9801E-33	0.326051	hyper	sig	chr6_30127210
chr17	81277607	81277607	+	7.168E-35	1.0053E-32	0.371305	hyper	sig	chr17_81277607
chr22	46374160	46374160	+	7.175E-35	1.006E-32	-0.42148	hypo	sig	chr22_46374160
chr20	885366	885366	+	7.221E-35	1.0123E-32	0.341525	hyper	sig	chr20_885366
chr12	65877229	65877229	+	7.242E-35	1.0151E-32	0.399152	hyper	sig	chr12_65877229
chr19	12721107	12721107	+	7.277E-35	1.0199E-32	0.334191	hyper	sig	chr19_12721107
chr14	36667089	36667089	+	7.32E-35	1.0257E-32	0.352686	hyper	sig	chr14_36667089
chr5	2753960	2753960	+	7.379E-35	1.0338E-32	0.362561	hyper	sig	chr5_2753960
chr12	1.14E+08	114440682	+	7.391E-35	1.0352E-32	0.372174	hyper	sig	chr12_114440682
chr1	2.21E+08	220882217	+	7.413E-35	1.0382E-32	0.403724	hyper	sig	chr1_220882217
chr2	2.39E+08	239309103	+	7.417E-35	1.0385E-32	0.377923	hyper	sig	chr2_239309103
chr6	1.68E+08	167815888	+	7.424E-35	1.0393E-32	-0.40377	hypo	sig	chr6_167815888
chr13	1.01E+08	101416906	+	7.435E-35	1.0407E-32	0.313646	hyper	sig	chr13_101416906
chr19	48414960	48414960	+	7.448E-35	1.0424E-32	0.457018	hyper	sig	chr19_48414960
chr12	54000311	54000311	+	7.461E-35	1.0439E-32	0.343754	hyper	sig	chr12_54000311
chr10	1.01E+08	100519895	+	7.465E-35	1.0444E-32	0.430166	hyper	sig	chr10_100519895
chr2	2.2E+08	219516440	+	7.47E-35	1.0447E-32	-0.3779	hypo	sig	chr2_219516440
chr22	31099168	31099168	+	7.469E-35	1.0447E-32	0.397126	hyper	sig	chr22_31099168
chr17	81330406	81330406	+	7.476E-35	1.0454E-32	-0.40398	hypo	sig	chr17_81330406
chr1	50417671	50417671	+	7.51E-35	1.0499E-32	0.312514	hyper	sig	chr1_50417671
chr1	1.47E+08	147079030	+	7.541E-35	1.0541E-32	0.430093	hyper	sig	chr1_147079030
chr10	2936391	2936391	+	7.546E-35	1.0546E-32	-0.40306	hypo	sig	chr10_2936391
chr4	1.53E+08	153249626	+	7.554E-35	1.0555E-32	0.365282	hyper	sig	chr4_153249626
chr2	1.19E+08	118849821	+	7.565E-35	1.057E-32	0.355809	hyper	sig	chr2_118849821
chr7	27124256	27124256	+	7.609E-35	1.0629E-32	0.364451	hyper	sig	chr7_27124256
chr19	856132	856132	+	7.663E-35	1.0702E-32	-0.41844	hypo	sig	chr19_856132
chr8	68331292	68331292	+	7.673E-35	1.0714E-32	0.377778	hyper	sig	chr8_68331292
chr3	1.5E+08	149657012	+	7.68E-35	1.0723E-32	0.358901	hyper	sig	chr3_149657012
chr5	42953454	42953454	+	7.688E-35	1.0732E-32	0.421739	hyper	sig	chr5_42953454
chr7	1.54E+08	153749659	+	7.715E-35	1.0768E-32	0.358625	hyper	sig	chr7_153749659
chr3	1.47E+08	147388811	+	7.72E-35	1.0773E-32	0.336812	hyper	sig	chr3_147388811
chr2	96500695	96500695	+	7.753E-35	1.0816E-32	0.405084	hyper	sig	chr2_96500695
chr2	2.39E+08	239349480	+	7.759E-35	1.0824E-32	0.359756	hyper	sig	chr2_239349480
chr7	25859476	25859476	+	7.777E-35	1.0847E-32	-0.41762	hypo	sig	chr7_25859476
chr11	32431323	32431323	+	7.781E-35	1.0848E-32	0.357467	hyper	sig	chr11_32431323
chr6	22294510	22294510	+	7.78E-35	1.0848E-32	0.288932	hyper	sig	chr6_22294510
chr13	1.08E+08	108214763	+	7.79E-35	1.0859E-32	0.392321	hyper	sig	chr13_108214763
chr4	6694006	6694006	+	7.8E-35	1.0871E-32	-0.44083	hypo	sig	chr4_6694006
chr1	2.21E+08	220895081	+	7.884E-35	1.0985E-32	0.378489	hyper	sig	chr1_220895081
chr8	56445568	56445568	+	7.884E-35	1.0985E-32	0.354321	hyper	sig	chr8_56445568
chr14	23366838	23366838	+	7.897E-35	1.1001E-32	0.404424	hyper	sig	chr14_23366838

chr12	1.32E+08	132344167	+	7.921E-35	1.1032E-32	0.382162	hyper	sig	chr12_132344167
chr5	1.16E+08	115816795	+	7.924E-35	1.1035E-32	0.364949	hyper	sig	chr5_115816795
chr14	91352220	91352220	+	7.931E-35	1.1043E-32	0.300801	hyper	sig	chr14_91352220
chr19	3399007	3399007	+	7.953E-35	1.1072E-32	0.3399	hyper	sig	chr19_3399007
chr17	80178675	80178675	+	8.009E-35	1.1147E-32	-0.3583	hypo	sig	chr17_80178675
chr7	1.55E+08	155462427	+	8.016E-35	1.1156E-32	0.429742	hyper	sig	chr7_155462427
chr21	44967137	44967137	+	8.025E-35	1.1166E-32	0.419264	hyper	sig	chr21_44967137
chr17	75587814	75587814	+	8.08E-35	1.124E-32	0.328755	hyper	sig	chr17_75587814
chr6	1.68E+08	167678594	+	8.081E-35	1.124E-32	0.349784	hyper	sig	chr6_167678594
chr12	29783556	29783556	+	8.102E-35	1.1263E-32	0.290608	hyper	sig	chr12_29783556
chr19	37551154	37551154	+	8.101E-35	1.1263E-32	0.392515	hyper	sig	chr19_37551154
chr4	1.11E+08	110634297	+	8.1E-35	1.1263E-32	0.391223	hyper	sig	chr4_110634297
chr5	1.73E+08	172748638	+	8.129E-35	1.1299E-32	0.478499	hyper	sig	chr5_172748638
chr17	77233715	77233715	+	8.134E-35	1.1304E-32	-0.3952	hypo	sig	chr17_77233715
chr19	40689994	40689994	+	8.137E-35	1.1306E-32	0.416573	hyper	sig	chr19_40689994
chr20	45297900	45297900	+	8.156E-35	1.1331E-32	-0.48909	hypo	sig	chr20_45297900
chr12	1.07E+08	107331307	+	8.186E-35	1.137E-32	-0.37857	hypo	sig	chr12_107331307
chr1	3186484	3186484	+	8.247E-35	1.1451E-32	0.352308	hyper	sig	chr1_3186484
chr7	1.37E+08	136871464	+	8.247E-35	1.1451E-32	0.350445	hyper	sig	chr7_136871464
chr16	51151500	51151500	+	8.261E-35	1.1468E-32	0.311682	hyper	sig	chr16_51151500
chr12	84911894	84911894	+	8.308E-35	1.1532E-32	0.275256	hyper	sig	chr12_84911894
chr7	1.43E+08	142796770	+	8.322E-35	1.155E-32	0.348151	hyper	sig	chr7_142796770
chr5	1.46E+08	146342954	+	8.338E-35	1.157E-32	0.370842	hyper	sig	chr5_146342954
chr6	98842842	98842842	+	8.371E-35	1.1614E-32	0.364112	hyper	sig	chr6_98842842
chr17	15619545	15619545	+	8.51E-35	1.1803E-32	0.394941	hyper	sig	chr17_15619545
chr5	64506575	64506575	+	8.522E-35	1.1818E-32	0.26841	hyper	sig	chr5_64506575
chr2	1.3E+08	129933022	+	8.546E-35	1.185E-32	-0.42463	hypo	sig	chr2_129933022
chr16	3690855	3690855	+	8.593E-35	1.1913E-32	0.321242	hyper	sig	chr16_3690855
chr8	30442761	30442761	+	8.594E-35	1.1913E-32	0.406427	hyper	sig	chr8_30442761
chr7	1.49E+08	149415209	+	8.631E-35	1.1961E-32	0.369509	hyper	sig	chr7_149415209
chr10	1.03E+08	103473689	+	8.648E-35	1.1983E-32	0.285726	hyper	sig	chr10_103473689
chr4	4862872	4862872	+	8.65E-35	1.1984E-32	0.42412	hyper	sig	chr4_4862872
chr19	23070438	23070438	+	8.672E-35	1.2013E-32	0.3335	hyper	sig	chr19_23070438
chr13	1.1E+08	110307047	+	8.677E-35	1.2017E-32	0.298812	hyper	sig	chr13_110307047
chr7	88759968	88759968	+	8.694E-35	1.2039E-32	0.34805	hyper	sig	chr7_88759968
chr19	57584220	57584220	+	8.72E-35	1.2073E-32	0.398381	hyper	sig	chr19_57584220
chr12	1.23E+08	123272523	+	8.732E-35	1.2087E-32	0.404459	hyper	sig	chr12_123272523
chr1	1.59E+08	159188659	+	8.739E-35	1.2095E-32	0.327269	hyper	sig	chr1_159188659
chr5	1.76E+08	176366471	+	8.793E-35	1.2168E-32	0.380324	hyper	sig	chr5_176366471
chr19	58098397	58098397	+	8.822E-35	1.2205E-32	0.250798	hyper	sig	chr19_58098397
chr4	7812192	7812192	+	8.845E-35	1.2236E-32	0.352814	hyper	sig	chr4_7812192
chr6	99602936	99602936	+	8.85E-35	1.2239E-32	0.311073	hyper	sig	chr6_99602936
chr11	20669315	20669315	+	8.892E-35	1.2296E-32	0.433187	hyper	sig	chr11_20669315
chr19	37551241	37551241	+	8.941E-35	1.2362E-32	0.371528	hyper	sig	chr19_37551241
chr1	75128576	75128576	+	8.974E-35	1.2405E-32	0.337273	hyper	sig	chr1_75128576
chr5	5568475	5568475	+	8.986E-35	1.242E-32	-0.38161	hypo	sig	chr5_5568475
chr5	95532	95532	+	9.001E-35	1.2439E-32	-0.42498	hypo	sig	chr5_95532
chr7	54544686	54544686	+	9.073E-35	1.2535E-32	0.420417	hyper	sig	chr7_54544686
chr19	5294199	5294199	+	9.152E-35	1.2643E-32	0.336085	hyper	sig	chr19_5294199
chr2	61180135	61180135	+	9.172E-35	1.2668E-32	0.414839	hyper	sig	chr2_61180135
chr19	6433814	6433814	+	9.178E-35	1.2674E-32	-0.40567	hypo	sig	chr19_6433814
chr16	86495406	86495406	+	9.214E-35	1.2722E-32	0.385452	hyper	sig	chr16_86495406
chr7	54542499	54542499	+	9.252E-35	1.2772E-32	0.356611	hyper	sig	chr7_54542499
chr20	58306895	58306895	+	9.278E-35	1.2805E-32	-0.32532	hypo	sig	chr20_58306895
chr1	2.21E+08	220895388	+	9.302E-35	1.2837E-32	0.332939	hyper	sig	chr1_220895388
chr1	2.48E+08	247549058	+	9.42E-35	1.2997E-32	-0.43414	hypo	sig	chr1_247549058

chr7	1742542	1742542	+	9.441E-35	1.3024E-32	-0.51498	hypo	sig	chr7_1742542
chr20	46513664	46513664	+	9.482E-35	1.3079E-32	0.345564	hyper	sig	chr20_46513664
chr7	1.51E+08	150954889	+	9.49E-35	1.3087E-32	0.350508	hyper	sig	chr7_150954889
chr7	4189316	4189316	+	9.55E-35	1.3168E-32	0.366682	hyper	sig	chr7_4189316
chr20	16573886	16573886	+	9.581E-35	1.3209E-32	-0.37618	hypo	sig	chr20_16573886
chr10	49115193	49115193	+	9.621E-35	1.3261E-32	0.326921	hyper	sig	chr10_49115193
chr21	36708887	36708887	+	9.629E-35	1.3271E-32	0.248075	hyper	sig	chr21_36708887
chr7	97002596	97002596	+	9.708E-35	1.3377E-32	0.434774	hyper	sig	chr7_97002596
chr17	78468730	78468730	+	9.712E-35	1.338E-32	-0.37937	hypo	sig	chr17_78468730
chr9	1.37E+08	136964649	+	9.726E-35	1.3396E-32	-0.3336	hypo	sig	chr9_136964649
chr17	58157518	58157518	+	9.751E-35	1.3428E-32	0.326213	hyper	sig	chr17_58157518
chr6	27582912	27582912	+	9.772E-35	1.3456E-32	0.349311	hyper	sig	chr6_27582912
chr2	1.28E+08	127700703	+	9.775E-35	1.3457E-32	-0.37392	hypo	sig	chr2_127700703
chr8	1.41E+08	141147852	+	9.784E-35	1.3468E-32	0.395689	hyper	sig	chr8_141147852
chr4	42152878	42152878	+	9.797E-35	1.3484E-32	0.298601	hyper	sig	chr4_42152878
chr11	46361632	46361632	+	9.884E-35	1.3599E-32	0.330057	hyper	sig	chr11_46361632
chr7	1713981	1713981	+	9.884E-35	1.3599E-32	-0.34062	hypo	sig	chr7_1713981
chr17	50606317	50606317	+	9.931E-35	1.3661E-32	-0.33687	hypo	sig	chr17_50606317
chr9	1.1E+08	109640222	+	9.968E-35	1.3709E-32	0.294406	hyper	sig	chr9_109640222
chr22	25026922	25026922	+	9.978E-35	1.372E-32	-0.36558	hypo	sig	chr22_25026922
chr5	43033925	43033925	+	1.003E-34	1.3795E-32	0.304691	hyper	sig	chr5_43033925
chr4	54104068	54104068	+	1.005E-34	1.381E-32	0.320936	hyper	sig	chr4_54104068
chr15	28107328	28107328	+	1.006E-34	1.3819E-32	0.333047	hyper	sig	chr15_28107328
chr8	57143573	57143573	+	1.006E-34	1.3819E-32	0.416667	hyper	sig	chr8_57143573
chr8	96159757	96159757	+	1.006E-34	1.3826E-32	0.354564	hyper	sig	chr8_96159757
chr10	1.08E+08	107914601	+	1.013E-34	1.3912E-32	0.275062	hyper	sig	chr10_107914601
chr6	1.69E+08	168999601	+	1.022E-34	1.4041E-32	-0.39375	hypo	sig	chr6_168999601
chr3	4977175	4977175	+	1.024E-34	1.4056E-32	-0.36151	hypo	sig	chr3_4977175
chr4	212709	212709	+	1.032E-34	1.4172E-32	0.345397	hyper	sig	chr4_212709
chr1	2E+08	200041203	+	1.036E-34	1.4221E-32	0.363186	hyper	sig	chr1_200041203
chr3	1.54E+08	154429121	+	1.041E-34	1.4284E-32	0.311569	hyper	sig	chr3_154429121
chr19	7676846	7676846	+	1.043E-34	1.4307E-32	-0.31651	hypo	sig	chr19_7676846
chr16	70686562	70686562	+	1.053E-34	1.445E-32	0.374522	hyper	sig	chr16_70686562
chr12	53930760	53930760	+	1.062E-34	1.4568E-32	0.395509	hyper	sig	chr12_53930760
chr22	45162562	45162562	+	1.062E-34	1.457E-32	-0.4331	hypo	sig	chr22_45162562
chr2	44932757	44932757	+	1.063E-34	1.4576E-32	0.415161	hyper	sig	chr2_44932757
chr12	49365789	49365789	+	1.066E-34	1.4617E-32	-0.29712	hypo	sig	chr12_49365789
chr12	1.33E+08	132837748	+	1.066E-34	1.4617E-32	0.339039	hyper	sig	chr12_132837748
chr8	1.38E+08	138496612	+	1.067E-34	1.4629E-32	0.348186	hyper	sig	chr8_138496612
chr11	68928081	68928081	+	1.072E-34	1.4696E-32	0.37078	hyper	sig	chr11_68928081
chr19	57614564	57614564	+	1.075E-34	1.473E-32	0.358081	hyper	sig	chr19_57614564
chr20	8132926	8132926	+	1.075E-34	1.4732E-32	0.348603	hyper	sig	chr20_8132926
chr4	1.53E+08	152680153	+	1.077E-34	1.4759E-32	-0.31557	hypo	sig	chr4_152680153
chr13	27793682	27793682	+	1.078E-34	1.476E-32	0.47786	hyper	sig	chr13_27793682
chr10	50024973	50024973	+	1.079E-34	1.4772E-32	0.329629	hyper	sig	chr10_50024973
chr16	86225111	86225111	+	1.083E-34	1.4824E-32	-0.42544	hypo	sig	chr16_86225111
chr7	1.55E+08	155373572	+	1.083E-34	1.4824E-32	0.303433	hyper	sig	chr7_155373572
chr9	1.3E+08	130194040	+	1.092E-34	1.4948E-32	0.378958	hyper	sig	chr9_130194040
chr10	511996	511996	+	1.102E-34	1.5078E-32	0.324996	hyper	sig	chr10_511996
chr19	45767031	45767031	+	1.111E-34	1.5199E-32	0.379428	hyper	sig	chr19_45767031
chr8	66432845	66432845	+	1.115E-34	1.5247E-32	0.406483	hyper	sig	chr8_66432845
chr17	79423297	79423297	+	1.121E-34	1.5335E-32	-0.41091	hypo	sig	chr17_79423297
chr16	5066673	5066673	+	1.123E-34	1.536E-32	-0.35886	hypo	sig	chr16_5066673
chr6	30127572	30127572	+	1.124E-34	1.5367E-32	0.352637	hyper	sig	chr6_30127572
chr6	41028441	41028441	+	1.13E-34	1.544E-32	0.378082	hyper	sig	chr6_41028441
chr22	27669996	27669996	+	1.134E-34	1.5505E-32	-0.37237	hypo	sig	chr22_27669996

chr17	78592677	78592677	+	1.135E-34	1.5513E-32	-0.35233	hypo	sig	chr17_78592677
chr19	53037643	53037643	+	1.138E-34	1.5546E-32	0.351898	hyper	sig	chr19_53037643
chr16	1211657	1211657	+	1.142E-34	1.5607E-32	-0.40827	hypo	sig	chr16_1211657
chr10	23200875	23200875	+	1.144E-34	1.5622E-32	0.384415	hyper	sig	chr10_23200875
chr17	77377329	77377329	+	1.146E-34	1.5645E-32	0.374458	hyper	sig	chr17_77377329
chr19	36331662	36331662	+	1.147E-34	1.5666E-32	0.334541	hyper	sig	chr19_36331662
chr19	46413335	46413335	+	1.152E-34	1.5722E-32	0.343781	hyper	sig	chr19_46413335
chr8	64586496	64586496	+	1.153E-34	1.5738E-32	0.335522	hyper	sig	chr8_64586496
chr13	36345823	36345823	+	1.16E-34	1.5832E-32	0.415455	hyper	sig	chr13_36345823
chr1	16520719	16520719	+	1.166E-34	1.5907E-32	0.342643	hyper	sig	chr1_16520719
chr6	1.37E+08	137494583	+	1.17E-34	1.5955E-32	0.308693	hyper	sig	chr6_137494583
chr13	1.14E+08	114151772	+	1.172E-34	1.5981E-32	-0.34641	hypo	sig	chr13_114151772
chr16	54933892	54933892	+	1.177E-34	1.6051E-32	0.385577	hyper	sig	chr16_54933892
chr3	27723767	27723767	+	1.189E-34	1.6213E-32	0.400172	hyper	sig	chr3_27723767
chr20	47951126	47951126	+	1.193E-34	1.6271E-32	-0.38637	hypo	sig	chr20_47951126
chr6	29554006	29554006	+	1.196E-34	1.6303E-32	0.391123	hyper	sig	chr6_29554006
chr10	72009369	72009369	+	1.2E-34	1.6351E-32	0.357615	hyper	sig	chr10_72009369
chr5	38846438	38846438	+	1.202E-34	1.6382E-32	0.31504	hyper	sig	chr5_38846438
chr1	2.21E+08	220895775	+	1.204E-34	1.6408E-32	0.414467	hyper	sig	chr1_220895775
chr19	51167278	51167278	+	1.205E-34	1.6416E-32	-0.36084	hypo	sig	chr19_51167278
chr11	1.12E+08	111540351	+	1.217E-34	1.658E-32	0.438067	hyper	sig	chr11_111540351
chr4	87846465	87846465	+	1.218E-34	1.6589E-32	-0.33539	hypo	sig	chr4_87846465
chr8	10426350	10426350	+	1.219E-34	1.659E-32	0.337308	hyper	sig	chr8_10426350
chr16	7303487	7303487	+	1.221E-34	1.662E-32	0.349319	hyper	sig	chr16_7303487
chr4	3766857	3766857	+	1.222E-34	1.6625E-32	0.35245	hyper	sig	chr4_3766857
chr13	76887235	76887235	+	1.222E-34	1.6626E-32	0.345527	hyper	sig	chr13_76887235
chr16	51113613	51113613	+	1.223E-34	1.6646E-32	0.30433	hyper	sig	chr16_51113613
chr13	1.12E+08	112067464	+	1.226E-34	1.6673E-32	0.344249	hyper	sig	chr13_112067464
chr17	14298420	14298420	+	1.227E-34	1.6683E-32	0.425491	hyper	sig	chr17_14298420
chr1	50417776	50417776	+	1.229E-34	1.6707E-32	0.363661	hyper	sig	chr1_50417776
chr1	91804956	91804956	+	1.235E-34	1.6798E-32	-0.34705	hypo	sig	chr1_91804956
chr14	41605395	41605395	+	1.236E-34	1.6806E-32	0.290218	hyper	sig	chr14_41605395
chr5	1.16E+08	115816723	+	1.236E-34	1.6806E-32	0.327396	hyper	sig	chr5_115816723
chr2	2.17E+08	216911880	+	1.237E-34	1.6807E-32	-0.34741	hypo	sig	chr2_216911880
chr7	1.24E+08	124480828	+	1.245E-34	1.6921E-32	-0.3771	hypo	sig	chr7_124480828
chr11	75564226	75564226	+	1.252E-34	1.7008E-32	0.381003	hyper	sig	chr11_75564226
chr7	1.02E+08	101923570	+	1.253E-34	1.702E-32	0.312142	hyper	sig	chr7_101923570
chr7	1.55E+08	155462537	+	1.256E-34	1.7064E-32	0.304347	hyper	sig	chr7_155462537
chr11	6418572	6418572	+	1.259E-34	1.7095E-32	0.420406	hyper	sig	chr11_6418572
chr21	44959174	44959174	+	1.266E-34	1.7184E-32	0.363472	hyper	sig	chr21_44959174
chr7	1.3E+08	130485670	+	1.267E-34	1.7193E-32	-0.45145	hypo	sig	chr7_130485670
chr1	1.44E+08	143654704	+	1.267E-34	1.7199E-32	0.391353	hyper	sig	chr1_143654704
chr12	1.25E+08	124665014	+	1.269E-34	1.7216E-32	-0.3925	hypo	sig	chr12_124665014
chr6	70280597	70280597	+	1.274E-34	1.7289E-32	-0.37489	hypo	sig	chr6_70280597
chr1	2.08E+08	207669892	+	1.275E-34	1.73E-32	0.317401	hyper	sig	chr1_207669892
chr19	57240353	57240353	+	1.281E-34	1.7371E-32	0.311549	hyper	sig	chr19_57240353
chr7	1235624	1235624	+	1.283E-34	1.7394E-32	0.38587	hyper	sig	chr7_1235624
chr1	2.29E+08	228650253	+	1.287E-34	1.7447E-32	0.36541	hyper	sig	chr1_228650253
chr1	11693281	11693281	+	1.287E-34	1.7451E-32	-0.20022	hypo	sig	chr1_11693281
chr4	34506787	34506787	+	1.29E-34	1.7484E-32	-0.37363	hypo	sig	chr4_34506787
chr7	1.37E+08	136871410	+	1.297E-34	1.7581E-32	0.362542	hyper	sig	chr7_136871410
chr17	79711857	79711857	+	1.305E-34	1.7679E-32	-0.45772	hypo	sig	chr17_79711857
chr3	1.98E+08	198081807	+	1.312E-34	1.7771E-32	0.434675	hyper	sig	chr3_198081807
chr17	5097508	5097508	+	1.317E-34	1.7836E-32	0.340962	hyper	sig	chr17_5097508
chr10	1.3E+08	130013651	+	1.318E-34	1.7854E-32	0.343915	hyper	sig	chr10_130013651
chr16	84795441	84795441	+	1.323E-34	1.7907E-32	0.355108	hyper	sig	chr16_84795441

chr2	2.24E+08	224441234	+	1.326E-34	1.7953E-32	-0.42103	hypo	sig	chr2_224441234
chr8	10426332	10426332	+	1.331E-34	1.8022E-32	0.336868	hyper	sig	chr8_10426332
chr20	21508566	21508566	+	1.338E-34	1.8106E-32	0.37884	hyper	sig	chr20_21508566
chr6	32394849	32394849	+	1.341E-34	1.8144E-32	-0.30311	hypo	sig	chr6_32394849
chr5	1.41E+08	141433041	+	1.347E-34	1.8226E-32	0.372246	hyper	sig	chr5_141433041
chr17	75060092	75060092	+	1.351E-34	1.8278E-32	0.318698	hyper	sig	chr17_75060092
chr13	36430782	36430782	+	1.355E-34	1.8329E-32	0.340441	hyper	sig	chr13_36430782
chr7	27103020	27103020	+	1.362E-34	1.8413E-32	0.452577	hyper	sig	chr7_27103020
chr10	55628572	55628572	+	1.374E-34	1.8572E-32	0.369992	hyper	sig	chr10_55628572
chr11	76753000	76753000	+	1.374E-34	1.8572E-32	0.372621	hyper	sig	chr11_76753000
chr2	2.42E+08	241985792	+	1.383E-34	1.869E-32	-0.45728	hypo	sig	chr2_241985792
chr11	526380	526380	+	1.388E-34	1.8755E-32	-0.33989	hypo	sig	chr11_526380
chr11	1.34E+08	134069739	+	1.397E-34	1.8871E-32	0.471852	hyper	sig	chr11_134069739
chr11	93484908	93484908	+	1.412E-34	1.9074E-32	0.330147	hyper	sig	chr11_93484908
chr2	5932801	5932801	+	1.421E-34	1.9195E-32	0.326042	hyper	sig	chr2_5932801
chr19	7873716	7873716	+	1.423E-34	1.9215E-32	0.310028	hyper	sig	chr19_7873716
chr13	77919170	77919170	+	1.425E-34	1.9233E-32	0.342176	hyper	sig	chr13_77919170
chr16	88130242	88130242	+	1.425E-34	1.9233E-32	-0.37827	hypo	sig	chr16_88130242
chr5	55223055	55223055	+	1.43E-34	1.9298E-32	0.342853	hyper	sig	chr5_55223055
chr11	1.34E+08	134128191	+	1.43E-34	1.93E-32	-0.39676	hypo	sig	chr11_134128191
chr12	53939440	53939440	+	1.431E-34	1.9312E-32	0.350229	hyper	sig	chr12_53939440
chr4	1.51E+08	150579779	+	1.432E-34	1.9321E-32	0.518333	hyper	sig	chr4_150579779
chr1	2.28E+08	228341200	+	1.434E-34	1.9343E-32	-0.46087	hypo	sig	chr1_228341200
chr8	48923571	48923571	+	1.435E-34	1.9353E-32	-0.4158	hypo	sig	chr8_48923571
chr6	1.1E+08	110357680	+	1.439E-34	1.9404E-32	0.344377	hyper	sig	chr6_110357680
chr17	48726995	48726995	+	1.44E-34	1.9409E-32	0.340016	hyper	sig	chr17_48726995
chr13	27976307	27976307	+	1.446E-34	1.9495E-32	0.35243	hyper	sig	chr13_27976307
chr20	3240263	3240263	+	1.447E-34	1.9505E-32	0.365982	hyper	sig	chr20_3240263
chr4	1.85E+08	185016290	+	1.448E-34	1.9506E-32	0.254952	hyper	sig	chr4_185016290
chr16	85335432	85335432	+	1.45E-34	1.9531E-32	-0.40234	hypo	sig	chr16_85335432
chr3	1.72E+08	172448399	+	1.45E-34	1.9537E-32	0.376529	hyper	sig	chr3_172448399
chr12	1.3E+08	130106007	+	1.451E-34	1.9541E-32	0.411111	hyper	sig	chr12_130106007
chr12	1.14E+08	114441193	+	1.464E-34	1.9707E-32	0.378475	hyper	sig	chr12_114441193
chr6	30172423	30172423	+	1.464E-34	1.9711E-32	0.356661	hyper	sig	chr6_30172423
chr3	28575813	28575813	+	1.464E-34	1.9712E-32	0.365071	hyper	sig	chr3_28575813
chr3	1.28E+08	128497352	+	1.472E-34	1.9806E-32	0.430361	hyper	sig	chr3_128497352
chr6	33080804	33080804	+	1.475E-34	1.9844E-32	0.440694	hyper	sig	chr6_33080804
chr1	1.55E+08	154970092	+	1.477E-34	1.9867E-32	0.350291	hyper	sig	chr1_154970092
chr6	29792178	29792178	+	1.477E-34	1.9875E-32	0.340913	hyper	sig	chr6_29792178
chr1	53526922	53526922	+	1.487E-34	1.9994E-32	0.414944	hyper	sig	chr1_53526922
chr4	1.51E+08	150583869	+	1.49E-34	2.0031E-32	0.39399	hyper	sig	chr4_150583869
chr7	1224421	1224421	+	1.493E-34	2.0079E-32	0.452582	hyper	sig	chr7_1224421
chr16	54934815	54934815	+	1.494E-34	2.0086E-32	0.322923	hyper	sig	chr16_54934815
chr1	6520251	6520251	+	1.495E-34	2.0096E-32	0.37958	hyper	sig	chr1_6520251
chr1	1.44E+08	143905703	+	1.499E-34	2.0151E-32	0.258366	hyper	sig	chr1_143905703
chr7	2203827	2203827	+	1.503E-34	2.0201E-32	0.391098	hyper	sig	chr7_2203827
chr7	228027	228027	+	1.513E-34	2.0325E-32	-0.47971	hypo	sig	chr7_228027
chr1	20553148	20553148	+	1.517E-34	2.0377E-32	0.375084	hyper	sig	chr1_20553148
chr11	1.04E+08	104164840	+	1.519E-34	2.0395E-32	-0.34494	hypo	sig	chr11_104164840
chr14	26598929	26598929	+	1.519E-34	2.04E-32	0.279293	hyper	sig	chr14_26598929
chr6	30172310	30172310	+	1.531E-34	2.056E-32	0.365164	hyper	sig	chr6_30172310
chr8	71842765	71842765	+	1.532E-34	2.0565E-32	0.307504	hyper	sig	chr8_71842765
chr13	93228392	93228392	+	1.538E-34	2.064E-32	0.441831	hyper	sig	chr13_93228392
chr1	20553142	20553142	+	1.543E-34	2.0705E-32	0.399887	hyper	sig	chr1_20553142
chr1	22651198	22651198	+	1.546E-34	2.0737E-32	-0.38252	hypo	sig	chr1_22651198
chr7	27106725	27106725	+	1.547E-34	2.0754E-32	0.445242	hyper	sig	chr7_27106725

chr16	67944194	67944194	+	1.548E-34	2.0761E-32	0.448142	hyper	sig	chr16_67944194
chr6	1.7E+08	170081903	+	1.548E-34	2.0761E-32	-0.32728	hypo	sig	chr6_170081903
chr1	1.59E+08	159440155	+	1.552E-34	2.0803E-32	-0.34492	hypo	sig	chr1_159440155
chr5	1.75E+08	174732031	+	1.555E-34	2.0842E-32	0.346327	hyper	sig	chr5_174732031
chr10	1.24E+08	124010716	+	1.575E-34	2.111E-32	0.365128	hyper	sig	chr10_124010716
chr2	1.19E+08	118857455	+	1.579E-34	2.1166E-32	0.39776	hyper	sig	chr2_118857455
chr7	1123976	1123976	+	1.591E-34	2.1315E-32	0.338734	hyper	sig	chr7_1123976
chr8	57205219	57205219	+	1.594E-34	2.1359E-32	-0.35752	hypo	sig	chr8_57205219
chr15	28107412	28107412	+	1.601E-34	2.1449E-32	0.318157	hyper	sig	chr15_28107412
chr7	79454495	79454495	+	1.605E-34	2.15E-32	0.457002	hyper	sig	chr7_79454495
chr5	53837204	53837204	+	1.607E-34	2.1511E-32	-0.40963	hypo	sig	chr5_53837204
chr5	1.42E+08	141513255	+	1.612E-34	2.1581E-32	0.392407	hyper	sig	chr5_141513255
chr11	27723010	27723010	+	1.615E-34	2.1622E-32	0.243078	hyper	sig	chr11_27723010
chr17	80064301	80064301	+	1.618E-34	2.1655E-32	-0.33248	hypo	sig	chr17_80064301
chr6	29792718	29792718	+	1.625E-34	2.1738E-32	0.307655	hyper	sig	chr6_29792718
chr1	6276646	6276646	+	1.633E-34	2.1848E-32	0.410542	hyper	sig	chr1_6276646
chr11	67646832	67646832	+	1.633E-34	2.185E-32	-0.4867	hypo	sig	chr11_67646832
chr12	6620585	6620585	+	1.638E-34	2.1905E-32	0.374399	hyper	sig	chr12_6620585
chr11	57647004	57647004	+	1.638E-34	2.1908E-32	0.296508	hyper	sig	chr11_57647004
chr17	48552352	48552352	+	1.646E-34	2.2013E-32	0.43957	hyper	sig	chr17_48552352
chr8	1.45E+08	144699985	+	1.647E-34	2.2016E-32	0.26158	hyper	sig	chr8_144699985
chr11	57647176	57647176	+	1.655E-34	2.212E-32	0.353062	hyper	sig	chr11_57647176
chr3	13019433	13019433	+	1.661E-34	2.2194E-32	0.336674	hyper	sig	chr3_13019433
chr8	64378971	64378971	+	1.665E-34	2.2251E-32	0.403897	hyper	sig	chr8_64378971
chr2	1.09E+08	109129803	+	1.667E-34	2.2264E-32	0.331144	hyper	sig	chr2_109129803
chr1	1.09E+08	109229831	+	1.667E-34	2.2266E-32	0.311751	hyper	sig	chr1_109229831
chr3	1.47E+08	147397283	+	1.669E-34	2.2296E-32	0.316475	hyper	sig	chr3_147397283
chr7	1536494	1536494	+	1.675E-34	2.2363E-32	0.353758	hyper	sig	chr7_1536494
chr7	39410626	39410626	+	1.678E-34	2.24E-32	-0.41334	hypo	sig	chr7_39410626
chr20	51014282	51014282	+	1.7E-34	2.2688E-32	-0.3303	hypo	sig	chr20_51014282
chr13	1.12E+08	112063391	+	1.7E-34	2.2694E-32	0.381707	hyper	sig	chr13_112063391
chr16	54290282	54290282	+	1.711E-34	2.2828E-32	0.361551	hyper	sig	chr16_54290282
chr14	75430634	75430634	+	1.723E-34	2.2992E-32	0.392877	hyper	sig	chr14_75430634
chr17	1186997	1186997	+	1.725E-34	2.3013E-32	0.356795	hyper	sig	chr17_1186997
chr3	1.9E+08	190319897	+	1.728E-34	2.3046E-32	-0.46257	hypo	sig	chr3_190319897
chr10	79382467	79382467	+	1.728E-34	2.3049E-32	0.314547	hyper	sig	chr10_79382467
chr5	1.34E+08	133608460	+	1.732E-34	2.3091E-32	-0.34135	hypo	sig	chr5_133608460
chr16	87860950	87860950	+	1.734E-34	2.3113E-32	0.353531	hyper	sig	chr16_87860950
chr1	2E+08	200035429	+	1.746E-34	2.3273E-32	0.261428	hyper	sig	chr1_200035429
chr16	86513924	86513924	+	1.747E-34	2.3277E-32	0.39856	hyper	sig	chr16_86513924
chr12	1.32E+08	132287235	+	1.756E-34	2.3392E-32	-0.36558	hypo	sig	chr12_132287235
chr13	57629894	57629894	+	1.756E-34	2.3392E-32	0.362691	hyper	sig	chr13_57629894
chr1	1.68E+08	167628204	+	1.757E-34	2.3405E-32	-0.32252	hypo	sig	chr1_167628204
chr21	26967021	26967021	+	1.76E-34	2.3444E-32	0.386221	hyper	sig	chr21_26967021
chr8	56445687	56445687	+	1.766E-34	2.3511E-32	0.319261	hyper	sig	chr8_56445687
chr12	53930776	53930776	+	1.767E-34	2.3526E-32	0.371921	hyper	sig	chr12_53930776
chr6	98825988	98825988	+	1.767E-34	2.3526E-32	0.30306	hyper	sig	chr6_98825988
chr6	29792246	29792246	+	1.768E-34	2.3536E-32	0.342553	hyper	sig	chr6_29792246
chr10	1.3E+08	130013362	+	1.77E-34	2.3547E-32	0.316186	hyper	sig	chr10_130013362
chr4	1.47E+08	146640547	+	1.77E-34	2.3553E-32	0.364751	hyper	sig	chr4_146640547
chr13	1.13E+08	113420498	+	1.775E-34	2.3618E-32	-0.38872	hypo	sig	chr13_113420498
chr19	18294831	18294831	+	1.777E-34	2.3634E-32	-0.40594	hypo	sig	chr19_18294831
chr7	93043498	93043498	+	1.783E-34	2.3708E-32	0.375028	hyper	sig	chr7_93043498
chr6	1.1E+08	110357793	+	1.784E-34	2.3723E-32	0.333676	hyper	sig	chr6_110357793
chr8	66962174	66962174	+	1.785E-34	2.3725E-32	0.360902	hyper	sig	chr8_66962174
chr13	21319173	21319173	+	1.789E-34	2.3776E-32	0.434693	hyper	sig	chr13_21319173

chr17	79119976	79119976	+	1.789E-34	2.3779E-32	-0.38666	hypo	sig	chr17_79119976
chr2	1.1E+08	110114067	+	1.808E-34	2.4022E-32	-0.39861	hypo	sig	chr2_110114067
chr2	1.06E+08	106343403	+	1.812E-34	2.4076E-32	-0.40839	hypo	sig	chr2_106343403
chr13	25095925	25095925	+	1.816E-34	2.4122E-32	0.364909	hyper	sig	chr13_25095925
chr16	89949653	89949653	+	1.818E-34	2.4137E-32	0.408381	hyper	sig	chr16_89949653
chr3	42985265	42985265	+	1.82E-34	2.4166E-32	-0.31422	hypo	sig	chr3_42985265
chr2	11587015	11587015	+	1.829E-34	2.4285E-32	-0.38146	hypo	sig	chr2_11587015
chr1	2299472	2299472	+	1.83E-34	2.4294E-32	0.389504	hyper	sig	chr1_2299472
chr1	2.09E+08	209433821	+	1.839E-34	2.4413E-32	-0.35337	hypo	sig	chr1_209433821
chr1	3743089	3743089	+	1.842E-34	2.4448E-32	-0.3725	hypo	sig	chr1_3743089
chr16	88374928	88374928	+	1.843E-34	2.4454E-32	-0.33876	hypo	sig	chr16_88374928
chr19	11674356	11674356	+	1.845E-34	2.448E-32	0.317155	hyper	sig	chr19_11674356
chr3	1.98E+08	197509696	+	1.846E-34	2.449E-32	0.373974	hyper	sig	chr3_197509696
chr1	9279275	9279275	+	1.847E-34	2.4492E-32	-0.3374	hypo	sig	chr1_9279275
chr7	52668158	52668158	+	1.856E-34	2.4607E-32	-0.33785	hypo	sig	chr7_52668158
chr14	36504021	36504021	+	1.859E-34	2.465E-32	0.324004	hyper	sig	chr14_36504021
chr6	1E+08	100448927	+	1.862E-34	2.4686E-32	0.322633	hyper	sig	chr6_100448927
chr4	785700	785700	+	1.87E-34	2.4783E-32	0.415327	hyper	sig	chr4_785700
chr13	1.14E+08	114200351	+	1.873E-34	2.4814E-32	0.485206	hyper	sig	chr13_114200351
chr7	1235631	1235631	+	1.873E-34	2.482E-32	0.360162	hyper	sig	chr7_1235631
chr13	78596883	78596883	+	1.876E-34	2.4856E-32	0.322986	hyper	sig	chr13_78596883
chr19	36973631	36973631	+	1.877E-34	2.4865E-32	0.356206	hyper	sig	chr19_36973631
chr19	57614585	57614585	+	1.881E-34	2.4902E-32	0.386994	hyper	sig	chr19_57614585
chr16	3949185	3949185	+	1.883E-34	2.493E-32	0.302643	hyper	sig	chr16_3949185
chr12	63151101	63151101	+	1.889E-34	2.501E-32	0.397677	hyper	sig	chr12_63151101
chr8	56445753	56445753	+	1.896E-34	2.5092E-32	0.333414	hyper	sig	chr8_56445753
chr2	55923402	55923402	+	1.896E-34	2.5094E-32	0.252341	hyper	sig	chr2_55923402
chr2	2.39E+08	239349522	+	1.907E-34	2.5235E-32	0.336866	hyper	sig	chr2_239349522
chr19	3604849	3604849	+	1.919E-34	2.5387E-32	-0.36662	hypo	sig	chr19_3604849
chr16	51151236	51151236	+	1.921E-34	2.5405E-32	0.404959	hyper	sig	chr16_51151236
chr4	1.9E+08	190017328	+	1.935E-34	2.5591E-32	0.39793	hyper	sig	chr4_190017328
chr5	43034367	43034367	+	1.937E-34	2.5618E-32	0.367149	hyper	sig	chr5_43034367
chr6	28770133	28770133	+	1.963E-34	2.5956E-32	0.403597	hyper	sig	chr6_28770133
chr13	78607453	78607453	+	1.97E-34	2.6043E-32	0.417824	hyper	sig	chr13_78607453
chr6	31728924	31728924	+	1.973E-34	2.6074E-32	0.284227	hyper	sig	chr6_31728924
chr10	1.01E+08	101139499	+	1.974E-34	2.6089E-32	0.357165	hyper	sig	chr10_101139499
chr20	58515261	58515261	+	1.979E-34	2.6144E-32	0.385698	hyper	sig	chr20_58515261
chr17	75784165	75784165	+	1.984E-34	2.6209E-32	-0.29487	hypo	sig	chr17_75784165
chr3	6862458	6862458	+	1.986E-34	2.6232E-32	0.33291	hyper	sig	chr3_6862458
chr4	1.53E+08	152680177	+	1.99E-34	2.6278E-32	-0.2756	hypo	sig	chr4_152680177
chr5	59894052	59894052	+	1.996E-34	2.6348E-32	0.280202	hyper	sig	chr5_59894052
chr20	61544483	61544483	+	1.999E-34	2.6387E-32	-0.39567	hypo	sig	chr20_61544483
chr15	90957587	90957587	+	2.002E-34	2.6421E-32	0.423737	hyper	sig	chr15_90957587
chr10	60732543	60732543	+	2.014E-34	2.6579E-32	-0.27396	hypo	sig	chr10_60732543
chr13	53202177	53202177	+	2.014E-34	2.6579E-32	0.398122	hyper	sig	chr13_53202177
chr4	55125269	55125269	+	2.017E-34	2.661E-32	0.375046	hyper	sig	chr4_55125269
chr14	1.04E+08	104182010	+	2.018E-34	2.6616E-32	-0.41689	hypo	sig	chr14_104182010
chr4	54232206	54232206	+	2.019E-34	2.6628E-32	0.349856	hyper	sig	chr4_54232206
chr7	97022312	97022312	+	2.034E-34	2.6818E-32	0.3442	hyper	sig	chr7_97022312
chr1	9321262	9321262	+	2.035E-34	2.6829E-32	0.329762	hyper	sig	chr1_9321262
chr3	27729487	27729487	+	2.04E-34	2.6889E-32	0.339252	hyper	sig	chr3_27729487
chr16	54932622	54932622	+	2.041E-34	2.6901E-32	0.374659	hyper	sig	chr16_54932622
chr2	21044213	21044213	+	2.044E-34	2.693E-32	-0.33474	hypo	sig	chr2_21044213
chr2	1.55E+08	154698840	+	2.046E-34	2.6961E-32	0.23183	hyper	sig	chr2_154698840
chr2	2.32E+08	231662751	+	2.05E-34	2.7001E-32	-0.40093	hypo	sig	chr2_231662751
chr4	1.88E+08	188139552	+	2.053E-34	2.7041E-32	-0.44996	hypo	sig	chr4_188139552

chr4	84482070	84482070	+	2.058E-34	2.7105E-32	0.294377	hyper	sig	chr4_84482070
chr19	43774358	43774358	+	2.093E-34	2.7557E-32	0.416486	hyper	sig	chr19_43774358
chr5	1.79E+08	179023594	+	2.101E-34	2.7662E-32	0.254297	hyper	sig	chr5_179023594
chr20	61293399	61293399	+	2.102E-34	2.7669E-32	-0.40729	hypo	sig	chr20_61293399
chr2	2.42E+08	241852800	+	2.105E-34	2.7701E-32	-0.29676	hypo	sig	chr2_241852800
chr21	26966999	26966999	+	2.112E-34	2.7786E-32	0.348078	hyper	sig	chr21_26966999
chr7	37448991	37448991	+	2.114E-34	2.7806E-32	0.294116	hyper	sig	chr7_37448991
chr12	1.28E+08	128365907	+	2.123E-34	2.7929E-32	0.388699	hyper	sig	chr12_128365907
chr11	2807253	2807253	+	2.131E-34	2.802E-32	0.3874	hyper	sig	chr11_2807253
chr6	30163164	30163164	+	2.134E-34	2.8062E-32	-0.30381	hypo	sig	chr6_30163164
chr10	1.01E+08	101227656	+	2.142E-34	2.8155E-32	0.298971	hyper	sig	chr10_101227656
chr7	5349645	5349645	+	2.151E-34	2.8276E-32	0.30356	hyper	sig	chr7_5349645
chr2	1.82E+08	181684023	+	2.152E-34	2.8288E-32	0.359459	hyper	sig	chr2_181684023
chr8	66962169	66962169	+	2.153E-34	2.8293E-32	0.359993	hyper	sig	chr8_66962169
chr7	1.06E+08	106041491	+	2.157E-34	2.8344E-32	-0.36453	hypo	sig	chr7_106041491
chr7	32070596	32070596	+	2.17E-34	2.8503E-32	0.317512	hyper	sig	chr7_32070596
chr3	62368867	62368867	+	2.171E-34	2.851E-32	0.34865	hyper	sig	chr3_62368867
chr4	4862898	4862898	+	2.173E-34	2.8534E-32	0.435256	hyper	sig	chr4_4862898
chr10	1.28E+08	127737644	+	2.182E-34	2.8648E-32	0.31047	hyper	sig	chr10_127737644
chr6	33007129	33007129	+	2.183E-34	2.8662E-32	-0.28806	hypo	sig	chr6_33007129
chr1	8373070	8373070	+	2.192E-34	2.8767E-32	0.364922	hyper	sig	chr1_8373070
chr19	57934969	57934969	+	2.197E-34	2.8828E-32	0.447752	hyper	sig	chr19_57934969
chr10	16520627	16520627	+	2.208E-34	2.8976E-32	0.321891	hyper	sig	chr10_16520627
chr13	21319130	21319130	+	2.216E-34	2.9074E-32	0.472207	hyper	sig	chr13_21319130
chr4	1.51E+08	150579790	+	2.221E-34	2.9129E-32	0.496335	hyper	sig	chr4_150579790
chr1	20553065	20553065	+	2.224E-34	2.9174E-32	0.405101	hyper	sig	chr1_20553065
chr1	24931692	24931692	+	2.227E-34	2.9204E-32	0.361406	hyper	sig	chr1_24931692
chr2	96500710	96500710	+	2.228E-34	2.921E-32	0.411951	hyper	sig	chr2_96500710
chr19	22010603	22010603	+	2.228E-34	2.9211E-32	0.350399	hyper	sig	chr19_22010603
chr12	1.33E+08	132888710	+	2.239E-34	2.9344E-32	0.291879	hyper	sig	chr12_132888710
chr1	16520799	16520799	+	2.24E-34	2.9351E-32	0.330122	hyper	sig	chr1_16520799
chr15	45704536	45704536	+	2.251E-34	2.9488E-32	0.308609	hyper	sig	chr15_45704536
chr19	49038766	49038766	+	2.269E-34	2.9727E-32	-0.43689	hypo	sig	chr19_49038766
chr6	30719420	30719420	+	2.271E-34	2.9741E-32	-0.33279	hypo	sig	chr6_30719420
chr8	1.04E+08	104467111	+	2.274E-34	2.9775E-32	0.289285	hyper	sig	chr8_104467111
chr9	1.22E+08	121741346	+	2.278E-34	2.9826E-32	0.391936	hyper	sig	chr9_121741346
chr10	49614619	49614619	+	2.29E-34	2.9982E-32	0.263104	hyper	sig	chr10_49614619
chr1	2.1E+08	209625425	+	2.298E-34	3.0083E-32	0.365827	hyper	sig	chr1_209625425
chr8	1.41E+08	140527917	+	2.3E-34	3.0095E-32	0.335119	hyper	sig	chr8_140527917
chr6	34134370	34134370	+	2.303E-34	3.013E-32	-0.34539	hypo	sig	chr6_34134370
chr16	66925930	66925930	+	2.347E-34	3.0704E-32	0.39633	hyper	sig	chr16_66925930
chr1	1.62E+08	161605884	+	2.35E-34	3.0741E-32	0.36075	hyper	sig	chr1_161605884
chr6	32218073	32218073	+	2.353E-34	3.078E-32	-0.3455	hypo	sig	chr6_32218073
chr10	1.01E+08	101139553	+	2.355E-34	3.0791E-32	0.381937	hyper	sig	chr10_101139553
chr2	1E+08	100322594	+	2.366E-34	3.0932E-32	0.36457	hyper	sig	chr2_100322594
chr10	1.04E+08	104334072	+	2.385E-34	3.1184E-32	0.313252	hyper	sig	chr10_104334072
chr6	28814505	28814505	+	2.387E-34	3.1197E-32	0.339205	hyper	sig	chr6_28814505
chr12	1.29E+08	129337723	+	2.393E-34	3.128E-32	-0.43353	hypo	sig	chr12_129337723
chr13	23547290	23547290	+	2.399E-34	3.1342E-32	0.407031	hyper	sig	chr13_23547290
chr6	31728585	31728585	+	2.427E-34	3.1706E-32	0.382628	hyper	sig	chr6_31728585
chr2	2.08E+08	208407203	+	2.436E-34	3.1823E-32	0.31912	hyper	sig	chr2_208407203
chr7	37449375	37449375	+	2.442E-34	3.1891E-32	0.308896	hyper	sig	chr7_37449375
chr19	11674254	11674254	+	2.463E-34	3.2153E-32	0.329174	hyper	sig	chr19_11674254
chr9	19789348	19789348	+	2.477E-34	3.2334E-32	0.354335	hyper	sig	chr9_19789348
chr13	1.12E+08	112063467	+	2.478E-34	3.2345E-32	0.424632	hyper	sig	chr13_112063467
chr1	2073848	2073848	+	2.482E-34	3.2387E-32	0.391955	hyper	sig	chr1_2073848

chr11	15938330	15938330	+	2.486E-34	3.244E-32	0.366664	hyper	sig	chr11_15938330
chr2	30230560	30230560	+	2.489E-34	3.2472E-32	0.434342	hyper	sig	chr2_30230560
chr17	42852010	42852010	+	2.491E-34	3.2486E-32	0.371827	hyper	sig	chr17_42852010
chr5	1.77E+08	177492211	+	2.503E-34	3.2643E-32	0.336156	hyper	sig	chr5_177492211
chr8	72251291	72251291	+	2.509E-34	3.2712E-32	0.386993	hyper	sig	chr8_72251291
chr5	14440967	14440967	+	2.509E-34	3.2714E-32	0.398803	hyper	sig	chr5_14440967
chr14	60327663	60327663	+	2.528E-34	3.2947E-32	-0.30204	hypo	sig	chr14_60327663
chr12	53939457	53939457	+	2.534E-34	3.3025E-32	0.345099	hyper	sig	chr12_53939457
chr7	27141792	27141792	+	2.544E-34	3.3156E-32	0.292923	hyper	sig	chr7_27141792
chr11	57647172	57647172	+	2.546E-34	3.3173E-32	0.359385	hyper	sig	chr11_57647172
chr11	62270187	62270187	+	2.549E-34	3.3197E-32	-0.30108	hypo	sig	chr11_62270187
chr5	6349470	6349470	+	2.549E-34	3.3197E-32	-0.42795	hypo	sig	chr5_6349470
chr10	1.33E+08	132940808	+	2.553E-34	3.3252E-32	-0.4173	hypo	sig	chr10_132940808
chr7	1.02E+08	101923589	+	2.555E-34	3.3269E-32	0.300131	hyper	sig	chr7_101923589
chr6	1.49E+08	149485442	+	2.559E-34	3.332E-32	-0.30838	hypo	sig	chr6_149485442
chr19	15264613	15264613	+	2.563E-34	3.3364E-32	0.324242	hyper	sig	chr19_15264613
chr5	1.79E+08	178969215	+	2.568E-34	3.3417E-32	-0.39463	hypo	sig	chr5_178969215
chr2	86790321	86790321	+	2.576E-34	3.3514E-32	0.331853	hyper	sig	chr2_86790321
chr1	2.28E+08	228341217	+	2.576E-34	3.3514E-32	-0.42254	hypo	sig	chr1_228341217
chr7	1.4E+08	140229629	+	2.583E-34	3.3606E-32	-0.2884	hypo	sig	chr7_140229629
chr12	84912050	84912050	+	2.586E-34	3.3639E-32	0.447928	hyper	sig	chr12_84912050
chr21	32585564	32585564	+	2.593E-34	3.3725E-32	-0.34606	hypo	sig	chr21_32585564
chr8	66961930	66961930	+	2.611E-34	3.3945E-32	0.45512	hyper	sig	chr8_66961930
chr1	2.35E+08	234772515	+	2.617E-34	3.4011E-32	-0.22775	hypo	sig	chr1_234772515
chr11	1.11E+08	110712929	+	2.617E-34	3.4011E-32	0.323714	hyper	sig	chr11_110712929
chr7	1193823	1193823	+	2.618E-34	3.4022E-32	0.373092	hyper	sig	chr7_1193823
chr3	1.41E+08	141412290	+	2.63E-34	3.4175E-32	0.286361	hyper	sig	chr3_141412290
chr14	36663516	36663516	+	2.639E-34	3.4288E-32	0.310051	hyper	sig	chr14_36663516
chr2	64607146	64607146	+	2.641E-34	3.4307E-32	-0.32998	hypo	sig	chr2_64607146
chr20	63178457	63178457	+	2.644E-34	3.4342E-32	0.368219	hyper	sig	chr20_63178457
chr3	1.49E+08	148698254	+	2.646E-34	3.4361E-32	0.398773	hyper	sig	chr3_148698254
chr12	5044010	5044010	+	2.647E-34	3.4365E-32	0.460018	hyper	sig	chr12_5044010
chr5	1.46E+08	146342638	+	2.647E-34	3.4365E-32	0.410452	hyper	sig	chr5_146342638
chr8	1.43E+08	142563655	+	2.654E-34	3.4446E-32	-0.39107	hypo	sig	chr8_142563655
chr17	82795411	82795411	+	2.659E-34	3.4508E-32	0.306805	hyper	sig	chr17_82795411
chr7	27143481	27143481	+	2.673E-34	3.4684E-32	0.348135	hyper	sig	chr7_27143481
chr17	81330710	81330710	+	2.674E-34	3.4685E-32	-0.33663	hypo	sig	chr17_81330710
chr6	10882743	10882743	+	2.688E-34	3.4868E-32	0.368421	hyper	sig	chr6_10882743
chr11	40293775	40293775	+	2.701E-34	3.5031E-32	0.31609	hyper	sig	chr11_40293775
chr6	98825248	98825248	+	2.711E-34	3.5147E-32	0.320421	hyper	sig	chr6_98825248
chr12	9074762	9074762	+	2.717E-34	3.5229E-32	-0.37164	hypo	sig	chr12_9074762
chr15	90957571	90957571	+	2.719E-34	3.5241E-32	0.445887	hyper	sig	chr15_90957571
chr2	63055548	63055548	+	2.725E-34	3.5313E-32	0.420322	hyper	sig	chr2_63055548
chr12	52116053	52116053	+	2.734E-34	3.5431E-32	-0.34893	hypo	sig	chr12_52116053
chr17	80067618	80067618	+	2.74E-34	3.55E-32	-0.35347	hypo	sig	chr17_80067618
chr6	29558622	29558622	+	2.742E-34	3.5522E-32	-0.36995	hypo	sig	chr6_29558622
chr13	1.12E+08	112106656	+	2.771E-34	3.589E-32	0.316071	hyper	sig	chr13_112106656
chr15	83206907	83206907	+	2.771E-34	3.589E-32	0.228635	hyper	sig	chr15_83206907
chr3	1.5E+08	149990345	+	2.776E-34	3.5942E-32	-0.38268	hypo	sig	chr3_149990345
chr4	54232256	54232256	+	2.799E-34	3.6241E-32	0.361466	hyper	sig	chr4_54232256
chr13	1.12E+08	112106867	+	2.81E-34	3.6375E-32	0.316707	hyper	sig	chr13_112106867
chr7	1.37E+08	136869135	+	2.812E-34	3.6391E-32	0.41462	hyper	sig	chr7_136869135
chr2	2.19E+08	219421532	+	2.819E-34	3.6479E-32	0.459567	hyper	sig	chr2_219421532
chr7	90118970	90118970	+	2.822E-34	3.6511E-32	0.303818	hyper	sig	chr7_90118970
chr5	1.71E+08	171309161	+	2.832E-34	3.6637E-32	0.338981	hyper	sig	chr5_171309161
chr13	1.13E+08	113110290	+	2.834E-34	3.6655E-32	0.56773	hyper	sig	chr13_113110290

chr11	1165666	1165666	+	2.837E-34	3.6682E-32	-0.3676	hypo	sig	chr11_1165666
chr19	4207454	4207454	+	2.841E-34	3.6738E-32	-0.45726	hypo	sig	chr19_4207454
chr3	12798835	12798835	+	2.848E-34	3.6813E-32	0.309555	hyper	sig	chr3_12798835
chr5	37838377	37838377	+	2.862E-34	3.6993E-32	0.287648	hyper	sig	chr5_37838377
chr1	1.1E+08	109668401	+	2.867E-34	3.7045E-32	0.397505	hyper	sig	chr1_109668401
chr1	40132745	40132745	+	2.901E-34	3.748E-32	0.333053	hyper	sig	chr1_40132745
chr17	79801971	79801971	+	2.919E-34	3.7706E-32	0.397754	hyper	sig	chr17_79801971
chr16	72947644	72947644	+	2.968E-34	3.8343E-32	0.405987	hyper	sig	chr16_72947644
chr1	47444470	47444470	+	2.99E-34	3.8613E-32	0.340202	hyper	sig	chr1_47444470
chr17	38841276	38841276	+	2.991E-34	3.8613E-32	0.370424	hyper	sig	chr17_38841276
chr17	81277580	81277580	+	2.991E-34	3.8613E-32	0.345326	hyper	sig	chr17_81277580
chr14	23366825	23366825	+	3.013E-34	3.8888E-32	0.382475	hyper	sig	chr14_23366825
chr1	1.47E+08	147078396	+	3.019E-34	3.8962E-32	0.398239	hyper	sig	chr1_147078396
chr2	1.24E+08	124024684	+	3.036E-34	3.9176E-32	0.466097	hyper	sig	chr2_124024684
chr7	2730034	2730034	+	3.036E-34	3.9176E-32	0.301407	hyper	sig	chr7_2730034
chr12	1.2E+08	119803605	+	3.042E-34	3.9242E-32	0.366822	hyper	sig	chr12_119803605
chr5	42944395	42944395	+	3.044E-34	3.9264E-32	0.366613	hyper	sig	chr5_42944395
chr8	96495418	96495418	+	3.052E-34	3.9355E-32	0.255107	hyper	sig	chr8_96495418
chr13	93228543	93228543	+	3.055E-34	3.939E-32	0.394093	hyper	sig	chr13_93228543
chr19	9966639	9966639	+	3.058E-34	3.9421E-32	0.342774	hyper	sig	chr19_9966639
chr11	1461939	1461939	+	3.102E-34	3.9991E-32	0.38	hyper	sig	chr11_1461939
chr2	1.19E+08	118857937	+	3.105E-34	4.0013E-32	0.315933	hyper	sig	chr2_118857937
chr7	1.28E+08	128270944	+	3.106E-34	4.0022E-32	0.378617	hyper	sig	chr7_128270944
chr8	62146778	62146778	+	3.106E-34	4.0022E-32	-0.37629	hypo	sig	chr8_62146778
chr5	1.16E+08	115962038	+	3.11E-34	4.0057E-32	0.353004	hyper	sig	chr5_115962038
chr7	1.55E+08	155462674	+	3.118E-34	4.0156E-32	0.366765	hyper	sig	chr7_155462674
chr1	47434515	47434515	+	3.131E-34	4.0321E-32	0.391504	hyper	sig	chr1_47434515
chr14	28263155	28263155	+	3.133E-34	4.0342E-32	-0.4023	hypo	sig	chr14_28263155
chr19	44757657	44757657	+	3.135E-34	4.0359E-32	0.465971	hyper	sig	chr19_44757657
chr17	44967273	44967273	+	3.143E-34	4.0462E-32	0.348609	hyper	sig	chr17_44967273
chr8	739954	739954	+	3.149E-34	4.0525E-32	0.325289	hyper	sig	chr8_739954
chr14	92925964	92925964	+	3.152E-34	4.0562E-32	-0.33212	hypo	sig	chr14_92925964
chr1	3434530	3434530	+	3.183E-34	4.0953E-32	-0.33559	hypo	sig	chr1_3434530
chr6	1.61E+08	160767478	+	3.185E-34	4.0976E-32	0.367848	hyper	sig	chr6_160767478
chr5	1.59E+08	159104559	+	3.188E-34	4.1006E-32	0.458527	hyper	sig	chr5_159104559
chr13	24932188	24932188	+	3.189E-34	4.1008E-32	0.33783	hyper	sig	chr13_24932188
chr8	11709680	11709680	+	3.19E-34	4.1014E-32	0.420343	hyper	sig	chr8_11709680
chr14	26598479	26598479	+	3.191E-34	4.1028E-32	0.349519	hyper	sig	chr14_26598479
chr5	10651785	10651785	+	3.195E-34	4.1061E-32	-0.37569	hypo	sig	chr5_10651785
chr19	58440535	58440535	+	3.217E-34	4.134E-32	0.352273	hyper	sig	chr19_58440535
chr19	841110	841110	+	3.221E-34	4.1389E-32	-0.42108	hypo	sig	chr19_841110
chr15	77669865	77669865	+	3.222E-34	4.1393E-32	-0.39156	hypo	sig	chr15_77669865
chr4	87975757	87975757	+	3.226E-34	4.1444E-32	-0.30976	hypo	sig	chr4_87975757
chr6	28525824	28525824	+	3.233E-34	4.1525E-32	-0.30037	hypo	sig	chr6_28525824
chr3	1.25E+08	125357619	+	3.236E-34	4.1558E-32	0.343444	hyper	sig	chr3_125357619
chr8	88328209	88328209	+	3.263E-34	4.1895E-32	0.361334	hyper	sig	chr8_88328209
chr4	1.78E+08	177607414	+	3.279E-34	4.2087E-32	-0.40216	hypo	sig	chr4_177607414
chr12	2753008	2753008	+	3.286E-34	4.2181E-32	0.353808	hyper	sig	chr12_2753008
chr5	1.29E+08	128536501	+	3.29E-34	4.2227E-32	0.286368	hyper	sig	chr5_128536501
chr12	1.31E+08	131027953	+	3.291E-34	4.2233E-32	0.291875	hyper	sig	chr12_131027953
chr12	21941778	21941778	+	3.301E-34	4.2348E-32	0.218479	hyper	sig	chr12_21941778
chr10	491269	491269	+	3.304E-34	4.2379E-32	0.365099	hyper	sig	chr10_491269
chr11	20671258	20671258	+	3.306E-34	4.2393E-32	0.331633	hyper	sig	chr11_20671258
chr10	70552310	70552310	+	3.319E-34	4.2555E-32	0.346896	hyper	sig	chr10_70552310
chr4	1.51E+08	150583001	+	3.329E-34	4.2683E-32	0.404815	hyper	sig	chr4_150583001
chr5	1.35E+08	135039045	+	3.337E-34	4.2772E-32	0.462234	hyper	sig	chr5_135039045

chr16	3184346	3184346	+	3.36E-34	4.3068E-32	0.345865	hyper	sig	chr16_3184346
chr15	89409085	89409085	+	3.4E-34	4.3569E-32	0.358989	hyper	sig	chr15_89409085
chr2	45004792	45004792	+	3.401E-34	4.3574E-32	0.341408	hyper	sig	chr2_45004792
chr13	1.02E+08	101919884	+	3.401E-34	4.3574E-32	0.380923	hyper	sig	chr13_101919884
chr10	8052482	8052482	+	3.422E-34	4.3836E-32	0.306827	hyper	sig	chr10_8052482
chr12	9128327	9128327	+	3.431E-34	4.3938E-32	-0.4166	hypo	sig	chr12_9128327
chr2	1.39E+08	138780237	+	3.435E-34	4.399E-32	0.317094	hyper	sig	chr2_138780237
chr22	50045116	50045116	+	3.436E-34	4.3993E-32	-0.36125	hypo	sig	chr22_50045116
chr22	43862834	43862834	+	3.438E-34	4.401E-32	0.344655	hyper	sig	chr22_43862834
chr3	1.28E+08	128497345	+	3.446E-34	4.4099E-32	0.409994	hyper	sig	chr3_128497345
chr8	64798206	64798206	+	3.451E-34	4.416E-32	0.344324	hyper	sig	chr8_64798206
chr19	16283798	16283798	+	3.473E-34	4.4438E-32	0.302706	hyper	sig	chr19_16283798
chr17	45785614	45785614	+	3.481E-34	4.4534E-32	0.392356	hyper	sig	chr17_45785614
chr19	1873592	1873592	+	3.496E-34	4.4716E-32	0.365947	hyper	sig	chr19_1873592
chr11	94769371	94769371	+	3.504E-34	4.4817E-32	0.288135	hyper	sig	chr11_94769371
chr1	8212104	8212104	+	3.517E-34	4.4974E-32	-0.3686	hypo	sig	chr1_8212104
chr5	1.81E+08	181100478	+	3.527E-34	4.5093E-32	0.244033	hyper	sig	chr5_181100478
chr2	1.6E+08	160408766	+	3.535E-34	4.5185E-32	0.313599	hyper	sig	chr2_160408766
chr12	48003996	48003996	+	3.549E-34	4.5361E-32	0.236463	hyper	sig	chr12_48003996
chr11	1.35E+08	134913641	+	3.585E-34	4.5815E-32	-0.3402	hypo	sig	chr11_134913641
chr13	93227365	93227365	+	3.587E-34	4.5824E-32	0.389235	hyper	sig	chr13_93227365
chr1	47434631	47434631	+	3.589E-34	4.5842E-32	0.33406	hyper	sig	chr1_47434631
chr6	29792722	29792722	+	3.6E-34	4.5986E-32	0.302654	hyper	sig	chr6_29792722
chr1	24931032	24931032	+	3.602E-34	4.5994E-32	0.426812	hyper	sig	chr1_24931032
chr6	72621463	72621463	+	3.603E-34	4.6003E-32	0.259071	hyper	sig	chr6_72621463
chr13	52848205	52848205	+	3.608E-34	4.6059E-32	0.360979	hyper	sig	chr13_52848205
chr4	1.7E+08	170091434	+	3.608E-34	4.6059E-32	-0.39274	hypo	sig	chr4_170091434
chr1	1.47E+08	147079014	+	3.614E-34	4.6122E-32	0.385093	hyper	sig	chr1_147079014
chr13	1.08E+08	108214775	+	3.622E-34	4.6221E-32	0.396994	hyper	sig	chr13_108214775
chr11	3123527	3123527	+	3.634E-34	4.637E-32	0.375496	hyper	sig	chr11_3123527
chr7	24283673	24283673	+	3.655E-34	4.6628E-32	0.394045	hyper	sig	chr7_24283673
chr5	1.13E+08	113435024	+	3.677E-34	4.6903E-32	-0.35023	hypo	sig	chr5_113435024
chr8	92101561	92101561	+	3.708E-34	4.729E-32	0.420971	hyper	sig	chr8_92101561
chr12	1.32E+08	132374605	+	3.721E-34	4.7442E-32	-0.36777	hypo	sig	chr12_132374605
chr12	1.33E+08	132909191	+	3.724E-34	4.7472E-32	0.216295	hyper	sig	chr12_132909191
chr20	8132930	8132930	+	3.732E-34	4.7575E-32	0.341173	hyper	sig	chr20_8132930
chr5	54887791	54887791	+	3.735E-34	4.76E-32	-0.43458	hypo	sig	chr5_54887791
chr15	59993556	59993556	+	3.74E-34	4.7659E-32	0.380586	hyper	sig	chr15_59993556
chr22	27669872	27669872	+	3.746E-34	4.7728E-32	-0.37612	hypo	sig	chr22_27669872
chr1	2.43E+08	242525253	+	3.748E-34	4.7744E-32	0.336227	hyper	sig	chr1_242525253
chr17	81322534	81322534	+	3.755E-34	4.7828E-32	-0.34578	hypo	sig	chr17_81322534
chr2	1923144	1923144	+	3.765E-34	4.7947E-32	-0.34905	hypo	sig	chr2_1923144
chr19	35558511	35558511	+	3.776E-34	4.8083E-32	0.417962	hyper	sig	chr19_35558511
chr7	1.55E+08	155462444	+	3.783E-34	4.816E-32	0.364555	hyper	sig	chr7_155462444
chr3	8619833	8619833	+	3.786E-34	4.8188E-32	-0.35303	hypo	sig	chr3_8619833
chr2	1.27E+08	127175990	+	3.81E-34	4.8489E-32	0.295238	hyper	sig	chr2_127175990
chr6	1.66E+08	166005482	+	3.814E-34	4.8526E-32	0.362137	hyper	sig	chr6_166005482
chr19	17406221	17406221	+	3.815E-34	4.8541E-32	-0.3101	hypo	sig	chr19_17406221
chr1	3650739	3650739	+	3.883E-34	4.9395E-32	0.333634	hyper	sig	chr1_3650739
chr6	3825737	3825737	+	3.891E-34	4.9486E-32	0.348479	hyper	sig	chr6_3825737
chr14	99512237	99512237	+	3.904E-34	4.9645E-32	0.359045	hyper	sig	chr14_99512237
chr3	1.47E+08	147391090	+	3.927E-34	4.9934E-32	0.390309	hyper	sig	chr3_147391090
chr16	29289376	29289376	+	3.954E-34	5.0271E-32	-0.3271	hypo	sig	chr16_29289376
chr11	94769389	94769389	+	3.963E-34	5.0372E-32	0.289188	hyper	sig	chr11_94769389
chr5	1.59E+08	159104551	+	3.975E-34	5.0511E-32	0.467605	hyper	sig	chr5_159104551
chr10	1.01E+08	101134334	+	3.978E-34	5.0547E-32	0.346308	hyper	sig	chr10_101134334

chr13	1.12E+08	112063393	+	3.996E-34	5.0772E-32	0.387476	hyper	sig	chr13_112063393
chr11	68371892	68371892	+	3.999E-34	5.0796E-32	0.282479	hyper	sig	chr11_68371892
chr22	45162530	45162530	+	4.009E-34	5.0921E-32	-0.46061	hypo	sig	chr22_45162530
chr12	48003947	48003947	+	4.053E-34	5.1461E-32	0.282249	hyper	sig	chr12_48003947
chr8	1.33E+08	133191598	+	4.075E-34	5.1742E-32	0.250551	hyper	sig	chr8_133191598
chr21	32585576	32585576	+	4.116E-34	5.2252E-32	-0.32419	hypo	sig	chr21_32585576
chr16	67163750	67163750	+	4.118E-34	5.2267E-32	0.357649	hyper	sig	chr16_67163750
chr2	86790319	86790319	+	4.128E-34	5.239E-32	0.332697	hyper	sig	chr2_86790319
chr18	80108883	80108883	+	4.134E-34	5.2452E-32	-0.33414	hypo	sig	chr18_80108883
chr9	1.09E+08	109116285	+	4.138E-34	5.2495E-32	0.377794	hyper	sig	chr9_109116285
chr9	1.3E+08	129620724	+	4.146E-34	5.259E-32	0.39461	hyper	sig	chr9_129620724
chr1	6474409	6474409	+	4.213E-34	5.3426E-32	-0.34636	hypo	sig	chr1_6474409
chr10	3287573	3287573	+	4.236E-34	5.3716E-32	-0.37781	hypo	sig	chr10_3287573
chr12	79561651	79561651	+	4.255E-34	5.3952E-32	0.358155	hyper	sig	chr12_79561651
chr15	50907179	50907179	+	4.259E-34	5.3991E-32	-0.41368	hypo	sig	chr15_50907179
chr1	37475760	37475760	+	4.266E-34	5.4076E-32	-0.31865	hypo	sig	chr1_37475760
chr11	20160590	20160590	+	4.27E-34	5.4115E-32	0.332164	hyper	sig	chr11_20160590
chr6	26743514	26743514	+	4.284E-34	5.428E-32	0.394561	hyper	sig	chr6_26743514
chr12	3493141	3493141	+	4.314E-34	5.4658E-32	0.274236	hyper	sig	chr12_3493141
chr1	2.21E+08	220895816	+	4.374E-34	5.5403E-32	0.434802	hyper	sig	chr1_220895816
chr14	94773199	94773199	+	4.376E-34	5.5416E-32	0.304546	hyper	sig	chr14_94773199
chr19	41875674	41875674	+	4.376E-34	5.5416E-32	-0.27884	hypo	sig	chr19_41875674
chr22	39349562	39349562	+	4.385E-34	5.552E-32	0.298472	hyper	sig	chr22_39349562
chr12	1.33E+08	132545074	+	4.399E-34	5.5689E-32	-0.33633	hypo	sig	chr12_132545074
chr19	36797621	36797621	+	4.41E-34	5.582E-32	0.270827	hyper	sig	chr19_36797621
chr6	62286738	62286738	+	4.413E-34	5.5831E-32	0.356147	hyper	sig	chr6_62286738
chr7	1.58E+08	157689576	+	4.413E-34	5.5831E-32	0.456435	hyper	sig	chr7_157689576
chr8	98973997	98973997	+	4.413E-34	5.5831E-32	0.472673	hyper	sig	chr8_98973997
chr15	37093715	37093715	+	4.414E-34	5.5839E-32	0.347416	hyper	sig	chr15_37093715
chr19	46412544	46412544	+	4.428E-34	5.5998E-32	0.403766	hyper	sig	chr19_46412544
chr1	10672815	10672815	+	4.43E-34	5.6015E-32	0.325805	hyper	sig	chr1_10672815
chr19	22010585	22010585	+	4.436E-34	5.6091E-32	0.370108	hyper	sig	chr19_22010585
chr3	9902164	9902164	+	4.444E-34	5.6175E-32	-0.32201	hypo	sig	chr3_9902164
chr21	26966996	26966996	+	4.445E-34	5.6181E-32	0.407018	hyper	sig	chr21_26966996
chr22	43862810	43862810	+	4.466E-34	5.6441E-32	0.273705	hyper	sig	chr22_43862810
chr19	34908349	34908349	+	4.485E-34	5.6669E-32	-0.37261	hypo	sig	chr19_34908349
chr11	2807247	2807247	+	4.492E-34	5.6753E-32	0.350478	hyper	sig	chr11_2807247
chr19	15264505	15264505	+	4.515E-34	5.7027E-32	0.292078	hyper	sig	chr19_15264505
chr20	16574566	16574566	+	4.521E-34	5.7099E-32	-0.34306	hypo	sig	chr20_16574566
chr7	93043604	93043604	+	4.526E-34	5.7153E-32	0.390367	hyper	sig	chr7_93043604
chr16	2126547	2126547	+	4.558E-34	5.7551E-32	0.45951	hyper	sig	chr16_2126547
chr15	88811107	88811107	+	4.559E-34	5.7557E-32	-0.3998	hypo	sig	chr15_88811107
chr3	1.47E+08	147411424	+	4.586E-34	5.7879E-32	0.344487	hyper	sig	chr3_147411424
chr2	1743096	1743096	+	4.604E-34	5.8107E-32	0.33345	hyper	sig	chr2_1743096
chr11	31797832	31797832	+	4.606E-34	5.8121E-32	0.377958	hyper	sig	chr11_31797832
chr7	4810672	4810672	+	4.611E-34	5.8166E-32	-0.32964	hypo	sig	chr7_4810672
chr8	1.03E+08	102805793	+	4.617E-34	5.8241E-32	-0.38056	hypo	sig	chr8_102805793
chr2	44928657	44928657	+	4.629E-34	5.8372E-32	0.337333	hyper	sig	chr2_44928657
chr6	42441966	42441966	+	4.629E-34	5.8372E-32	0.363618	hyper	sig	chr6_42441966
chr6	83709641	83709641	+	4.633E-34	5.8415E-32	0.379688	hyper	sig	chr6_83709641
chr6	83709643	83709643	+	4.652E-34	5.8643E-32	0.370596	hyper	sig	chr6_83709643
chr1	47446219	47446219	+	4.678E-34	5.8958E-32	0.420505	hyper	sig	chr1_47446219
chr6	71886854	71886854	+	4.695E-34	5.9165E-32	0.383669	hyper	sig	chr6_71886854
chr1	53526926	53526926	+	4.699E-34	5.9211E-32	0.428531	hyper	sig	chr1_53526926
chr6	1.69E+08	168999597	+	4.714E-34	5.9385E-32	-0.37959	hypo	sig	chr6_168999597
chr14	95817349	95817349	+	4.715E-34	5.9395E-32	-0.32836	hypo	sig	chr14_95817349

chr8	54134642	54134642	+	4.718E-34	5.9422E-32	-0.403	hypo	sig	chr8_54134642
chr4	1.11E+08	110628814	+	4.731E-34	5.9577E-32	0.336847	hyper	sig	chr4_110628814
chr5	44389752	44389752	+	4.737E-34	5.9641E-32	0.344868	hyper	sig	chr5_44389752
chr8	64379644	64379644	+	4.741E-34	5.9677E-32	0.323804	hyper	sig	chr8_64379644
chr7	1.04E+08	104328989	+	4.746E-34	5.974E-32	0.268912	hyper	sig	chr7_104328989
chr19	599355	599355	+	4.75E-34	5.9772E-32	-0.37	hypo	sig	chr19_599355
chr13	1.13E+08	112674665	+	4.758E-34	5.9853E-32	-0.36134	hypo	sig	chr13_112674665
chr8	13566866	13566866	+	4.758E-34	5.9853E-32	0.282148	hyper	sig	chr8_13566866
chr2	911000	911000	+	4.775E-34	6.0064E-32	-0.36799	hypo	sig	chr2_911000
chr7	56229947	56229947	+	4.78E-34	6.0121E-32	0.370397	hyper	sig	chr7_56229947
chr5	1.41E+08	141430654	+	4.787E-34	6.0193E-32	0.333972	hyper	sig	chr5_141430654
chr7	1520761	1520761	+	4.806E-34	6.0427E-32	-0.35617	hypo	sig	chr7_1520761
chr3	79767788	79767788	+	4.809E-34	6.0446E-32	0.311876	hyper	sig	chr3_79767788
chr5	6349357	6349357	+	4.809E-34	6.0446E-32	-0.36256	hypo	sig	chr5_6349357
chr16	57803000	57803000	+	4.857E-34	6.1034E-32	0.493242	hyper	sig	chr16_57803000
chr7	1.46E+08	146116841	+	4.868E-34	6.1161E-32	0.282507	hyper	sig	chr7_146116841
chr2	44928057	44928057	+	4.879E-34	6.13E-32	0.354997	hyper	sig	chr2_44928057
chr17	40089279	40089279	+	4.882E-34	6.1325E-32	0.238365	hyper	sig	chr17_40089279
chr6	3825741	3825741	+	4.887E-34	6.1381E-32	0.343061	hyper	sig	chr6_3825741
chr4	1.53E+08	152680203	+	4.894E-34	6.1459E-32	-0.27253	hypo	sig	chr4_152680203
chr2	2186506	2186506	+	4.899E-34	6.1508E-32	-0.37795	hypo	sig	chr2_2186506
chr6	1.69E+08	168574928	+	4.902E-34	6.1541E-32	0.391411	hyper	sig	chr6_168574928
chr10	49609249	49609249	+	4.921E-34	6.1759E-32	0.41006	hyper	sig	chr10_49609249
chr11	1.12E+08	111976976	+	4.924E-34	6.1791E-32	0.432261	hyper	sig	chr11_111976976
chr14	91352217	91352217	+	4.936E-34	6.1937E-32	0.293906	hyper	sig	chr14_91352217
chr12	52010638	52010638	+	4.965E-34	6.2284E-32	0.380587	hyper	sig	chr12_52010638
chr15	89409683	89409683	+	4.976E-34	6.2411E-32	0.371873	hyper	sig	chr15_89409683
chr4	8191688	8191688	+	4.998E-34	6.2678E-32	-0.46553	hypo	sig	chr4_8191688
chr17	40093118	40093118	+	5.004E-34	6.2751E-32	0.274752	hyper	sig	chr17_40093118
chr10	23191325	23191325	+	5.011E-34	6.2827E-32	0.237177	hyper	sig	chr10_23191325
chr13	95645094	95645094	+	5.012E-34	6.283E-32	0.348629	hyper	sig	chr13_95645094
chr7	63560576	63560576	+	5.016E-34	6.2875E-32	-0.38839	hypo	sig	chr7_63560576
chr10	23174105	23174105	+	5.021E-34	6.2926E-32	0.346199	hyper	sig	chr10_23174105
chr6	1.52E+08	151807393	+	5.024E-34	6.2947E-32	0.336551	hyper	sig	chr6_151807393
chr6	1.37E+08	137498045	+	5.035E-34	6.3078E-32	0.264149	hyper	sig	chr6_137498045
chr4	7812128	7812128	+	5.054E-34	6.3309E-32	0.366525	hyper	sig	chr4_7812128
chr2	1.61E+08	161426928	+	5.126E-34	6.4201E-32	0.275503	hyper	sig	chr2_161426928
chr4	4862903	4862903	+	5.16E-34	6.4609E-32	0.425304	hyper	sig	chr4_4862903
chr5	88602792	88602792	+	5.167E-34	6.4699E-32	-0.31103	hypo	sig	chr5_88602792
chr5	1.41E+08	141332882	+	5.173E-34	6.4752E-32	0.361802	hyper	sig	chr5_141332882
chr17	81255339	81255339	+	5.18E-34	6.484E-32	0.331717	hyper	sig	chr17_81255339
chr8	1552226	1552226	+	5.195E-34	6.5017E-32	0.435636	hyper	sig	chr8_1552226
chr10	73899725	73899725	+	5.199E-34	6.5049E-32	-0.3813	hypo	sig	chr10_73899725
chr10	7409471	7409471	+	5.206E-34	6.5136E-32	0.296353	hyper	sig	chr10_7409471
chr16	51153666	51153666	+	5.233E-34	6.5457E-32	0.395896	hyper	sig	chr16_51153666
chr1	37575671	37575671	+	5.241E-34	6.5542E-32	0.250725	hyper	sig	chr1_37575671
chr2	1.19E+08	118841888	+	5.25E-34	6.5655E-32	0.331088	hyper	sig	chr2_118841888
chr12	96238773	96238773	+	5.295E-34	6.6205E-32	0.322842	hyper	sig	chr12_96238773
chr3	4977449	4977449	+	5.344E-34	6.6806E-32	-0.29421	hypo	sig	chr3_4977449
chr17	19868483	19868483	+	5.361E-34	6.7005E-32	0.34606	hyper	sig	chr17_19868483
chr4	1.9E+08	190018035	+	5.375E-34	6.7172E-32	0.241983	hyper	sig	chr4_190018035
chr12	1.2E+08	119804097	+	5.379E-34	6.7216E-32	0.396984	hyper	sig	chr12_119804097
chr17	19534861	19534861	+	5.398E-34	6.7436E-32	-0.4139	hypo	sig	chr17_19534861
chr12	1.33E+08	132768736	+	5.418E-34	6.7671E-32	0.358047	hyper	sig	chr12_132768736
chr13	50132506	50132506	+	5.418E-34	6.7671E-32	0.310694	hyper	sig	chr13_50132506
chr12	53930745	53930745	+	5.479E-34	6.8414E-32	0.395645	hyper	sig	chr12_53930745

chr17	45601351	45601351	+	5.479E-34	6.8414E-32	-0.34886	hypo	sig	chr17_45601351
chr20	62062902	62062902	+	5.505E-34	6.8728E-32	0.356791	hyper	sig	chr20_62062902
chr10	67612897	67612897	+	5.521E-34	6.8918E-32	-0.37236	hypo	sig	chr10_67612897
chr8	10426348	10426348	+	5.537E-34	6.9103E-32	0.335732	hyper	sig	chr8_10426348
chr14	36663569	36663569	+	5.541E-34	6.914E-32	0.344534	hyper	sig	chr14_36663569
chr13	57630084	57630084	+	5.586E-34	6.9694E-32	0.529221	hyper	sig	chr13_57630084
chr1	7059047	7059047	+	5.625E-34	7.0167E-32	-0.36759	hypo	sig	chr1_7059047
chr4	80266007	80266007	+	5.661E-34	7.0606E-32	0.297868	hyper	sig	chr4_80266007
chr3	68007833	68007833	+	5.681E-34	7.0839E-32	0.333214	hyper	sig	chr3_68007833
chr7	1.58E+08	157675760	+	5.7E-34	7.1076E-32	-0.40714	hypo	sig	chr7_157675760
chr5	1.29E+08	128536499	+	5.702E-34	7.1078E-32	0.288602	hyper	sig	chr5_128536499
chr5	1923999	1923999	+	5.71E-34	7.1169E-32	-0.31865	hypo	sig	chr5_1923999
chr19	19861053	19861053	+	5.731E-34	7.1418E-32	0.335816	hyper	sig	chr19_19861053
chr16	84952640	84952640	+	5.765E-34	7.1837E-32	0.346126	hyper	sig	chr16_84952640
chr10	1.01E+08	101134289	+	5.803E-34	7.2302E-32	0.342083	hyper	sig	chr10_101134289
chr6	50723262	50723262	+	5.83E-34	7.2623E-32	0.379689	hyper	sig	chr6_50723262
chr11	8168644	8168644	+	5.855E-34	7.293E-32	0.362006	hyper	sig	chr11_8168644
chr4	1.74E+08	173519429	+	5.863E-34	7.3011E-32	0.370315	hyper	sig	chr4_173519429
chr3	16768875	16768875	+	5.875E-34	7.3146E-32	-0.31302	hypo	sig	chr3_16768875
chr9	1.3E+08	129620714	+	5.886E-34	7.3277E-32	0.383995	hyper	sig	chr9_129620714
chr16	51156254	51156254	+	5.909E-34	7.3546E-32	0.376303	hyper	sig	chr16_51156254
chr10	93069242	93069242	+	5.947E-34	7.4015E-32	0.396262	hyper	sig	chr10_93069242
chr9	1.1E+08	110208269	+	5.961E-34	7.4172E-32	-0.32777	hypo	sig	chr9_110208269
chr6	17033320	17033320	+	5.971E-34	7.4283E-32	0.338718	hyper	sig	chr6_17033320
chr20	8132928	8132928	+	5.99E-34	7.4516E-32	0.349017	hyper	sig	chr20_8132928
chr12	1.3E+08	130336923	+	6.016E-34	7.482E-32	-0.36302	hypo	sig	chr12_130336923
chr5	3602158	3602158	+	6.038E-34	7.5085E-32	0.344866	hyper	sig	chr5_3602158
chr4	304987	304987	+	6.103E-34	7.5887E-32	0.296374	hyper	sig	chr4_304987
chr15	89409016	89409016	+	6.111E-34	7.5973E-32	0.288661	hyper	sig	chr15_89409016
chr11	83458150	83458150	+	6.129E-34	7.6178E-32	-0.36388	hypo	sig	chr11_83458150
chr13	52848616	52848616	+	6.148E-34	7.6415E-32	0.306939	hyper	sig	chr13_52848616
chr13	87674516	87674516	+	6.177E-34	7.6758E-32	0.38075	hyper	sig	chr13_87674516
chr11	1.18E+08	117987257	+	6.19E-34	7.6902E-32	-0.2918	hypo	sig	chr11_117987257
chr11	24496733	24496733	+	6.201E-34	7.7017E-32	0.347632	hyper	sig	chr11_24496733
chr19	46413333	46413333	+	6.201E-34	7.7017E-32	0.339323	hyper	sig	chr19_46413333
chr6	62286792	62286792	+	6.228E-34	7.7343E-32	0.332606	hyper	sig	chr6_62286792
chr11	62547848	62547848	+	6.241E-34	7.7491E-32	0.348097	hyper	sig	chr11_62547848
chr7	229695	229695	+	6.281E-34	7.7984E-32	0.314733	hyper	sig	chr7_229695
chr19	12156683	12156683	+	6.307E-34	7.8295E-32	0.2304	hyper	sig	chr19_12156683
chr17	45261673	45261673	+	6.31E-34	7.8318E-32	0.260037	hyper	sig	chr17_45261673
chr20	45316755	45316755	+	6.314E-34	7.8356E-32	0.426288	hyper	sig	chr20_45316755
chr2	2.02E+08	201619297	+	6.319E-34	7.8405E-32	0.349575	hyper	sig	chr2_201619297
chr1	3650724	3650724	+	6.332E-34	7.8548E-32	0.356841	hyper	sig	chr1_3650724
chr1	50428033	50428033	+	6.337E-34	7.8574E-32	0.34248	hyper	sig	chr1_50428033
chr5	1.81E+08	181173922	+	6.337E-34	7.8574E-32	0.281924	hyper	sig	chr5_181173922
chr8	24914918	24914918	+	6.335E-34	7.8574E-32	0.257637	hyper	sig	chr8_24914918
chr17	887878	887878	+	6.38E-34	7.9104E-32	0.370458	hyper	sig	chr17_887878
chr2	1.28E+08	128470822	+	6.384E-34	7.9141E-32	-0.28472	hypo	sig	chr2_128470822
chr15	28107430	28107430	+	6.404E-34	7.9378E-32	0.330271	hyper	sig	chr15_28107430
chr17	73423537	73423537	+	6.409E-34	7.9418E-32	-0.38089	hypo	sig	chr17_73423537
chr1	1.62E+08	162011886	+	6.471E-34	8.0172E-32	0.341939	hyper	sig	chr1_162011886
chr2	1.76E+08	176491548	+	6.474E-34	8.0206E-32	-0.30062	hypo	sig	chr2_176491548
chr2	63055607	63055607	+	6.501E-34	8.052E-32	0.353804	hyper	sig	chr2_63055607
chr11	20207999	20207999	+	6.502E-34	8.0524E-32	0.422598	hyper	sig	chr11_20207999
chr1	6273787	6273787	+	6.538E-34	8.0963E-32	-0.37031	hypo	sig	chr1_6273787
chr7	1.43E+08	143388535	+	6.583E-34	8.1507E-32	0.272697	hyper	sig	chr7_143388535

chr7	27113280	27113280	+	6.607E-34	8.1787E-32	0.403118	hyper	sig	chr7_27113280
chr7	43311609	43311609	+	6.622E-34	8.1966E-32	-0.39913	hypo	sig	chr7_43311609
chr6	26225204	26225204	+	6.668E-34	8.2518E-32	0.346438	hyper	sig	chr6_26225204
chr2	89611914	89611914	+	6.673E-34	8.2561E-32	0.413098	hyper	sig	chr2_89611914
chr20	21713890	21713890	+	6.688E-34	8.2746E-32	0.431757	hyper	sig	chr20_21713890
chr2	3282585	3282585	+	6.698E-34	8.2856E-32	0.309099	hyper	sig	chr2_3282585
chr20	46174979	46174979	+	6.7E-34	8.2862E-32	0.367137	hyper	sig	chr20_46174979
chr13	1.14E+08	114049278	+	6.711E-34	8.2981E-32	-0.31629	hypo	sig	chr13_114049278
chr19	36791609	36791609	+	6.712E-34	8.2985E-32	0.343654	hyper	sig	chr19_36791609
chr20	45297997	45297997	+	6.728E-34	8.3177E-32	-0.47069	hypo	sig	chr20_45297997
chr2	1.06E+08	106343364	+	6.742E-34	8.3328E-32	-0.46133	hypo	sig	chr2_106343364
chr4	80185256	80185256	+	6.757E-34	8.35E-32	0.252522	hyper	sig	chr4_80185256
chr11	68370801	68370801	+	6.764E-34	8.3573E-32	0.368701	hyper	sig	chr11_68370801
chr1	1.44E+08	143661648	+	6.811E-34	8.4143E-32	0.438448	hyper	sig	chr1_143661648
chr16	11743725	11743725	+	6.812E-34	8.4144E-32	-0.29932	hypo	sig	chr16_11743725
chr10	1.01E+08	101223701	+	6.849E-34	8.4596E-32	0.324555	hyper	sig	chr10_101223701
chr2	44928635	44928635	+	6.855E-34	8.4648E-32	0.327066	hyper	sig	chr2_44928635
chr11	94769638	94769638	+	6.856E-34	8.4656E-32	0.317677	hyper	sig	chr11_94769638
chr4	1.64E+08	164383297	+	6.889E-34	8.5045E-32	0.321543	hyper	sig	chr4_164383297
chr19	3852061	3852061	+	6.891E-34	8.5054E-32	-0.37478	hypo	sig	chr19_3852061
chr11	1.04E+08	104036534	+	6.904E-34	8.5208E-32	-0.32401	hypo	sig	chr11_104036534
chr20	23031598	23031598	+	6.906E-34	8.5221E-32	-0.34768	hypo	sig	chr20_23031598
chr3	1.72E+08	172449779	+	6.912E-34	8.5278E-32	0.317048	hyper	sig	chr3_172449779
chr16	54289057	54289057	+	6.919E-34	8.5354E-32	0.359212	hyper	sig	chr16_54289057
chr12	65826974	65826974	+	6.968E-34	8.5946E-32	-0.42858	hypo	sig	chr12_65826974
chr2	37669440	37669440	+	7.002E-34	8.6351E-32	0.30324	hyper	sig	chr2_37669440
chr8	30442616	30442616	+	7.009E-34	8.6416E-32	0.395187	hyper	sig	chr8_30442616
chr12	53973040	53973040	+	7.012E-34	8.6443E-32	0.325329	hyper	sig	chr12_53973040
chr6	31728677	31728677	+	7.013E-34	8.6443E-32	0.336974	hyper	sig	chr6_31728677
chr9	19788319	19788319	+	7.072E-34	8.7153E-32	0.34299	hyper	sig	chr9_19788319
chr12	4909632	4909632	+	7.085E-34	8.7311E-32	0.351994	hyper	sig	chr12_4909632
chr20	63494900	63494900	+	7.156E-34	8.8171E-32	-0.41169	hypo	sig	chr20_63494900
chr22	38314720	38314720	+	7.237E-34	8.9149E-32	0.436812	hyper	sig	chr22_38314720
chr12	63668500	63668500	+	7.242E-34	8.9201E-32	0.205844	hyper	sig	chr12_63668500
chr5	601120	601120	+	7.282E-34	8.9675E-32	-0.3982	hypo	sig	chr5_601120
chr1	3437863	3437863	+	7.302E-34	8.9906E-32	-0.33467	hypo	sig	chr1_3437863
chr2	68655117	68655117	+	7.304E-34	8.9925E-32	-0.35432	hypo	sig	chr2_68655117
chr19	13002024	13002024	+	7.345E-34	9.0415E-32	0.386161	hyper	sig	chr19_13002024
chr16	1002577	1002577	+	7.366E-34	9.0661E-32	-0.45488	hypo	sig	chr16_1002577
chr22	48684496	48684496	+	7.368E-34	9.0668E-32	-0.4212	hypo	sig	chr22_48684496
chr15	89409401	89409401	+	7.371E-34	9.069E-32	0.392816	hyper	sig	chr15_89409401
chr15	99118110	99118110	+	7.488E-34	9.2111E-32	0.340671	hyper	sig	chr15_99118110
chr16	253186	253186	+	7.535E-34	9.2677E-32	-0.45747	hypo	sig	chr16_253186
chr1	2E+08	200036715	+	7.606E-34	9.354E-32	0.366683	hyper	sig	chr1_200036715
chr16	15724959	15724959	+	7.608E-34	9.3545E-32	0.326653	hyper	sig	chr16_15724959
chr3	61564857	61564857	+	7.612E-34	9.3582E-32	0.390183	hyper	sig	chr3_61564857
chr22	46085397	46085397	+	7.635E-34	9.3858E-32	-0.33024	hypo	sig	chr22_46085397
chr13	28532919	28532919	+	7.645E-34	9.3966E-32	0.31344	hyper	sig	chr13_28532919
chr17	43843109	43843109	+	7.687E-34	9.447E-32	-0.35944	hypo	sig	chr17_43843109
chr10	1.16E+08	116272521	+	7.71E-34	9.4731E-32	0.294885	hyper	sig	chr10_116272521
chr5	43034037	43034037	+	7.782E-34	9.5608E-32	0.351687	hyper	sig	chr5_43034037
chr2	74499905	74499905	+	7.811E-34	9.5946E-32	0.336112	hyper	sig	chr2_74499905
chr12	4909589	4909589	+	7.828E-34	9.6146E-32	0.307534	hyper	sig	chr12_4909589
chr5	1.41E+08	141430594	+	7.852E-34	9.6424E-32	0.343221	hyper	sig	chr5_141430594
chr7	1.55E+08	155466220	+	7.89E-34	9.6869E-32	0.348694	hyper	sig	chr7_155466220
chr10	1.3E+08	129969896	+	7.892E-34	9.6887E-32	0.322587	hyper	sig	chr10_129969896

chr2	23617676	23617676	+	7.905E-34	9.7022E-32	0.37996	hyper	sig	chr2_23617676
chr13	1.02E+08	101919950	+	7.94E-34	9.7444E-32	0.386524	hyper	sig	chr13_101919950
chr4	1209914	1209914	+	7.955E-34	9.7616E-32	0.428068	hyper	sig	chr4_1209914
chr9	1.37E+08	136745601	+	7.957E-34	9.7616E-32	-0.35417	hypo	sig	chr9_136745601
chr7	64045830	64045830	+	7.981E-34	9.7906E-32	0.298933	hyper	sig	chr7_64045830
chr2	26456572	26456572	+	7.989E-34	9.7982E-32	-0.30707	hypo	sig	chr2_26456572
chr2	66425837	66425837	+	7.993E-34	9.8021E-32	0.256572	hyper	sig	chr2_66425837
chr7	1.55E+08	155373562	+	7.999E-34	9.8076E-32	0.325714	hyper	sig	chr7_155373562
chr19	3130805	3130805	+	8.015E-34	9.8257E-32	-0.46964	hypo	sig	chr19_3130805
chr10	23191384	23191384	+	8.063E-34	9.8835E-32	0.303343	hyper	sig	chr10_23191384
chr10	1.24E+08	123892210	+	8.114E-34	9.944E-32	0.316239	hyper	sig	chr10_123892210
chr16	2836300	2836300	+	8.141E-34	9.9755E-32	-0.36968	hypo	sig	chr16_2836300
chr2	1.82E+08	181684592	+	8.182E-34	1.0025E-31	0.380143	hyper	sig	chr2_181684592
chr14	1.01E+08	101064006	+	8.2E-34	1.0045E-31	-0.33255	hypo	sig	chr14_101064006
chr10	3287689	3287689	+	8.241E-34	1.0094E-31	-0.39454	hypo	sig	chr10_3287689
chr16	3236064	3236064	+	8.249E-34	1.0101E-31	-0.44743	hypo	sig	chr16_3236064
chr13	40534665	40534665	+	8.259E-34	1.0112E-31	-0.31784	hypo	sig	chr13_40534665
chr21	36708781	36708781	+	8.26E-34	1.0112E-31	0.378481	hyper	sig	chr21_36708781
chr21	42222310	42222310	+	8.302E-34	1.0162E-31	0.310855	hyper	sig	chr21_42222310
chr10	23200921	23200921	+	8.329E-34	1.0194E-31	0.371937	hyper	sig	chr10_23200921
chr20	33081597	33081597	+	8.373E-34	1.0246E-31	-0.36732	hypo	sig	chr20_33081597
chr12	1.33E+08	132837805	+	8.379E-34	1.0252E-31	0.365992	hyper	sig	chr12_132837805
chr3	27723918	27723918	+	8.435E-34	1.0319E-31	0.312279	hyper	sig	chr3_27723918
chr4	1.51E+08	150580471	+	8.455E-34	1.0342E-31	0.356044	hyper	sig	chr4_150580471
chr16	86513962	86513962	+	8.483E-34	1.0374E-31	0.423769	hyper	sig	chr16_86513962
chr2	29115122	29115122	+	8.498E-34	1.0392E-31	0.344324	hyper	sig	chr2_29115122
chr20	21396320	21396320	+	8.503E-34	1.0396E-31	0.287584	hyper	sig	chr20_21396320
chr22	36410563	36410563	+	8.507E-34	1.0399E-31	-0.33152	hypo	sig	chr22_36410563
chr16	86432795	86432795	+	8.512E-34	1.0403E-31	0.373411	hyper	sig	chr16_86432795
chr11	5301746	5301746	+	8.536E-34	1.0431E-31	-0.37737	hypo	sig	chr11_5301746
chr4	1.11E+08	110634311	+	8.554E-34	1.0452E-31	0.396412	hyper	sig	chr4_110634311
chr3	1.93E+08	192727161	+	8.566E-34	1.0465E-31	0.367635	hyper	sig	chr3_192727161
chr3	25582414	25582414	+	8.611E-34	1.0519E-31	-0.30336	hypo	sig	chr3_25582414
chr4	1.85E+08	185019507	+	8.646E-34	1.0559E-31	0.362495	hyper	sig	chr4_185019507
chr17	77477773	77477773	+	8.666E-34	1.0582E-31	0.374018	hyper	sig	chr17_77477773
chr12	1.32E+08	132426418	+	8.668E-34	1.0583E-31	-0.38173	hypo	sig	chr12_132426418
chr1	2.23E+08	223109863	+	8.681E-34	1.0598E-31	-0.38861	hypo	sig	chr1_223109863
chr6	22294602	22294602	+	8.685E-34	1.06E-31	0.338386	hyper	sig	chr6_22294602
chr10	97713255	97713255	+	8.761E-34	1.0691E-31	0.313909	hyper	sig	chr10_97713255
chr1	65792141	65792141	+	8.765E-34	1.0694E-31	0.307986	hyper	sig	chr1_65792141
chr15	74789231	74789231	+	8.765E-34	1.0694E-31	-0.37834	hypo	sig	chr15_74789231
chr9	14993527	14993527	+	8.841E-34	1.0784E-31	0.36101	hyper	sig	chr9_14993527
chr3	1.88E+08	187670376	+	8.871E-34	1.082E-31	0.349503	hyper	sig	chr3_187670376
chr9	1.16E+08	116154786	+	8.874E-34	1.0821E-31	0.318274	hyper	sig	chr9_116154786
chr8	1.43E+08	143155115	+	8.905E-34	1.0858E-31	-0.33517	hypo	sig	chr8_143155115
chr19	1908394	1908394	+	8.941E-34	1.0901E-31	-0.38555	hypo	sig	chr19_1908394
chr1	2.07E+08	207496594	+	8.966E-34	1.0928E-31	0.2441	hyper	sig	chr1_207496594
chr1	2.28E+08	228158510	+	8.993E-34	1.096E-31	0.407117	hyper	sig	chr1_228158510
chr6	30685945	30685945	+	8.995E-34	1.0961E-31	0.31977	hyper	sig	chr6_30685945
chr6	1E+08	100464210	+	9.006E-34	1.0973E-31	0.343986	hyper	sig	chr6_100464210
chr12	1.33E+08	132768717	+	9.025E-34	1.0994E-31	0.391923	hyper	sig	chr12_132768717
chr2	27011004	27011004	+	9.047E-34	1.1019E-31	-0.36428	hypo	sig	chr2_27011004
chr7	27249576	27249576	+	9.057E-34	1.103E-31	0.336967	hyper	sig	chr7_27249576
chr1	2.29E+08	229407332	+	9.061E-34	1.1034E-31	0.425028	hyper	sig	chr1_229407332
chr11	69293877	69293877	+	9.073E-34	1.1046E-31	-0.37599	hypo	sig	chr11_69293877
chr15	59993460	59993460	+	9.085E-34	1.1059E-31	0.47076	hyper	sig	chr15_59993460

chr22	31099156	31099156	+	9.089E-34	1.1062E-31	0.353592	hyper	sig	chr22_31099156
chr2	394261	394261	+	9.127E-34	1.1106E-31	-0.39098	hypo	sig	chr2_394261
chr11	20601181	20601181	+	9.157E-34	1.1142E-31	0.32931	hyper	sig	chr11_20601181
chr1	85582028	85582028	+	9.16E-34	1.1144E-31	0.32898	hyper	sig	chr1_85582028
chr7	4833364	4833364	+	9.168E-34	1.1152E-31	-0.2746	hypo	sig	chr7_4833364
chr12	57632434	57632434	+	9.256E-34	1.1258E-31	0.297215	hyper	sig	chr12_57632434
chr8	1.42E+08	142126184	+	9.261E-34	1.1262E-31	-0.41054	hypo	sig	chr8_142126184
chr16	4376400	4376400	+	9.266E-34	1.1266E-31	0.414269	hyper	sig	chr16_4376400
chr5	1.79E+08	178940648	+	9.269E-34	1.1267E-31	0.452026	hyper	sig	chr5_178940648
chr13	36674756	36674756	+	9.308E-34	1.1313E-31	0.387008	hyper	sig	chr13_36674756
chr4	65669427	65669427	+	9.346E-34	1.1358E-31	0.369653	hyper	sig	chr4_65669427
chr3	1.88E+08	187670387	+	9.387E-34	1.1406E-31	0.371688	hyper	sig	chr3_187670387
chr6	36291441	36291441	+	9.413E-34	1.1436E-31	-0.38258	hypo	sig	chr6_36291441
chr17	38855208	38855208	+	9.415E-34	1.1436E-31	-0.38318	hypo	sig	chr17_38855208
chr6	30163150	30163150	+	9.483E-34	1.1517E-31	-0.34922	hypo	sig	chr6_30163150
chr6	29792251	29792251	+	9.499E-34	1.1535E-31	0.327945	hyper	sig	chr6_29792251
chr4	42152876	42152876	+	9.504E-34	1.154E-31	0.294782	hyper	sig	chr4_42152876
chr19	18650752	18650752	+	9.516E-34	1.1552E-31	0.421644	hyper	sig	chr19_18650752
chr7	97021969	97021969	+	9.536E-34	1.1575E-31	0.491289	hyper	sig	chr7_97021969
chr12	72273546	72273546	+	9.569E-34	1.1614E-31	0.352789	hyper	sig	chr12_72273546
chr19	58009719	58009719	+	9.704E-34	1.1776E-31	0.316028	hyper	sig	chr19_58009719
chr8	13100594	13100594	+	9.706E-34	1.1776E-31	0.374533	hyper	sig	chr8_13100594
chr9	35676159	35676159	+	9.748E-34	1.1825E-31	0.269345	hyper	sig	chr9_35676159
chr7	90118985	90118985	+	9.785E-34	1.1868E-31	0.329793	hyper	sig	chr7_90118985
chr22	36300975	36300975	+	9.797E-34	1.1881E-31	0.28413	hyper	sig	chr22_36300975
chr10	1.01E+08	101139561	+	9.88E-34	1.1981E-31	0.37743	hyper	sig	chr10_101139561
chr10	625468	625468	+	9.989E-34	1.211E-31	0.325328	hyper	sig	chr10_625468
chr5	1.62E+08	161548805	+	1.001E-33	1.2138E-31	0.248821	hyper	sig	chr5_161548805
chr16	62036409	62036409	+	1.002E-33	1.2146E-31	0.30225	hyper	sig	chr16_62036409
chr7	27103616	27103616	+	1.003E-33	1.2149E-31	0.414215	hyper	sig	chr7_27103616
chr4	54232265	54232265	+	1.003E-33	1.2152E-31	0.370893	hyper	sig	chr4_54232265
chr13	38688019	38688019	+	1.007E-33	1.2202E-31	0.326284	hyper	sig	chr13_38688019
chr16	85573956	85573956	+	1.012E-33	1.2257E-31	0.364194	hyper	sig	chr16_85573956
chr6	26152989	26152989	+	1.015E-33	1.2298E-31	-0.30305	hypo	sig	chr6_26152989
chr17	45430201	45430201	+	1.024E-33	1.2406E-31	0.421818	hyper	sig	chr17_45430201
chr5	1.75E+08	174731973	+	1.033E-33	1.2508E-31	0.329123	hyper	sig	chr5_174731973
chr16	62036203	62036203	+	1.035E-33	1.2526E-31	0.328701	hyper	sig	chr16_62036203
chr17	80067646	80067646	+	1.037E-33	1.2552E-31	-0.30916	hypo	sig	chr17_80067646
chr4	3872205	3872205	+	1.042E-33	1.2603E-31	0.271523	hyper	sig	chr4_3872205
chr3	1.47E+08	147411391	+	1.042E-33	1.2606E-31	0.373363	hyper	sig	chr3_147411391
chr17	80942813	80942813	+	1.046E-33	1.2652E-31	0.427906	hyper	sig	chr17_80942813
chr12	1.33E+08	132908119	+	1.046E-33	1.2655E-31	0.312792	hyper	sig	chr12_132908119
chr16	71429098	71429098	+	1.049E-33	1.2683E-31	-0.34194	hypo	sig	chr16_71429098
chr9	971503	971503	+	1.051E-33	1.2713E-31	0.433734	hyper	sig	chr9_971503
chr10	55628553	55628553	+	1.053E-33	1.2728E-31	0.336073	hyper	sig	chr10_55628553
chr19	57363915	57363915	+	1.053E-33	1.2728E-31	0.226381	hyper	sig	chr19_57363915
chr13	52848692	52848692	+	1.056E-33	1.2763E-31	0.256592	hyper	sig	chr13_52848692
chr2	2.41E+08	240519488	+	1.056E-33	1.2763E-31	0.35453	hyper	sig	chr2_240519488
chr19	12195434	12195434	+	1.062E-33	1.2833E-31	0.28882	hyper	sig	chr19_12195434
chr8	1931461	1931461	+	1.083E-33	1.3078E-31	-0.31901	hypo	sig	chr8_1931461
chr10	86263303	86263303	+	1.09E-33	1.3162E-31	0.44701	hyper	sig	chr10_86263303
chr8	2090043	2090043	+	1.09E-33	1.3162E-31	-0.43303	hypo	sig	chr8_2090043
chr9	34457442	34457442	+	1.097E-33	1.3251E-31	0.400807	hyper	sig	chr9_34457442
chr6	436629	436629	+	1.098E-33	1.3255E-31	-0.40415	hypo	sig	chr6_436629
chr2	2.07E+08	206642439	+	1.098E-33	1.3258E-31	0.322856	hyper	sig	chr2_206642439
chr7	55018479	55018479	+	1.1E-33	1.3275E-31	0.323465	hyper	sig	chr7_55018479

chr20	3408900	3408900	+	1.103E-33	1.3305E-31	0.288081	hyper	sig	chr20_3408900
chr10	1.34E+08	133523907	+	1.104E-33	1.332E-31	-0.3657	hypo	sig	chr10_133523907
chr1	2.43E+08	242525366	+	1.104E-33	1.3321E-31	0.330676	hyper	sig	chr1_242525366
chr3	1.65E+08	165195827	+	1.108E-33	1.3361E-31	0.313182	hyper	sig	chr3_165195827
chr2	1.19E+08	119156977	+	1.108E-33	1.3366E-31	0.352185	hyper	sig	chr2_119156977
chr12	54000364	54000364	+	1.109E-33	1.3371E-31	0.285078	hyper	sig	chr12_54000364
chr16	66579171	66579171	+	1.112E-33	1.3408E-31	0.298933	hyper	sig	chr16_66579171
chr19	56393628	56393628	+	1.112E-33	1.3411E-31	0.305657	hyper	sig	chr19_56393628
chr1	3651356	3651356	+	1.119E-33	1.3482E-31	0.325086	hyper	sig	chr1_3651356
chr5	6349474	6349474	+	1.119E-33	1.3482E-31	-0.42521	hypo	sig	chr5_6349474
chr12	57236489	57236489	+	1.119E-33	1.3489E-31	0.448738	hyper	sig	chr12_57236489
chr10	3287603	3287603	+	1.12E-33	1.3491E-31	-0.35539	hypo	sig	chr10_3287603
chr16	1038448	1038448	+	1.12E-33	1.3491E-31	-0.38741	hypo	sig	chr16_1038448
chr17	80919569	80919569	+	1.12E-33	1.3491E-31	0.295848	hyper	sig	chr17_80919569
chr11	526384	526384	+	1.12E-33	1.3492E-31	-0.32465	hypo	sig	chr11_526384
chr7	79454695	79454695	+	1.121E-33	1.35E-31	0.34287	hyper	sig	chr7_79454695
chr14	95047612	95047612	+	1.123E-33	1.3517E-31	0.413773	hyper	sig	chr14_95047612
chr14	1.03E+08	102893838	+	1.124E-33	1.3525E-31	0.340925	hyper	sig	chr14_102893838
chr13	37869633	37869633	+	1.125E-33	1.3534E-31	0.30087	hyper	sig	chr13_37869633
chr2	1743083	1743083	+	1.125E-33	1.3539E-31	0.330125	hyper	sig	chr2_1743083
chr5	3592491	3592491	+	1.129E-33	1.3582E-31	0.349069	hyper	sig	chr5_3592491
chr20	49318450	49318450	+	1.129E-33	1.3584E-31	0.46001	hyper	sig	chr20_49318450
chr12	95549170	95549170	+	1.132E-33	1.3616E-31	0.329558	hyper	sig	chr12_95549170
chr1	99005411	99005411	+	1.134E-33	1.364E-31	0.292566	hyper	sig	chr1_99005411
chr7	1.55E+08	155373556	+	1.135E-33	1.3652E-31	0.331374	hyper	sig	chr7_155373556
chr1	2.21E+08	220884353	+	1.138E-33	1.3679E-31	0.426723	hyper	sig	chr1_220884353
chr4	1.74E+08	173527557	+	1.143E-33	1.374E-31	0.393006	hyper	sig	chr4_173527557
chr5	1.16E+08	115962031	+	1.143E-33	1.374E-31	0.347332	hyper	sig	chr5_115962031
chr1	90724626	90724626	+	1.144E-33	1.3751E-31	0.337861	hyper	sig	chr1_90724626
chr7	1.58E+08	157684238	+	1.151E-33	1.3833E-31	0.420647	hyper	sig	chr7_157684238
chr20	46011701	46011701	+	1.154E-33	1.3867E-31	0.460996	hyper	sig	chr20_46011701
chr16	1143939	1143939	+	1.157E-33	1.39E-31	-0.34657	hypo	sig	chr16_1143939
chr1	2299506	2299506	+	1.161E-33	1.3939E-31	0.342448	hyper	sig	chr1_2299506
chr19	12156675	12156675	+	1.161E-33	1.3945E-31	0.259349	hyper	sig	chr19_12156675
chr15	68931435	68931435	+	1.169E-33	1.4041E-31	-0.39152	hypo	sig	chr15_68931435
chr1	1.19E+08	119006574	+	1.172E-33	1.407E-31	0.332334	hyper	sig	chr1_119006574
chr8	64379217	64379217	+	1.174E-33	1.4095E-31	0.390166	hyper	sig	chr8_64379217
chr4	1.85E+08	185016251	+	1.176E-33	1.4112E-31	0.316226	hyper	sig	chr4_185016251
chr20	25083181	25083181	+	1.177E-33	1.4125E-31	0.359081	hyper	sig	chr20_25083181
chr6	1E+08	100448921	+	1.186E-33	1.4225E-31	0.296432	hyper	sig	chr6_100448921
chr14	77140612	77140612	+	1.194E-33	1.4328E-31	0.302448	hyper	sig	chr14_77140612
chr17	40093339	40093339	+	1.199E-33	1.4376E-31	0.313616	hyper	sig	chr17_40093339
chr11	95150329	95150329	+	1.199E-33	1.4381E-31	-0.43229	hypo	sig	chr11_95150329
chr8	1.18E+08	118074432	+	1.203E-33	1.4425E-31	0.381044	hyper	sig	chr8_118074432
chr6	1.66E+08	165847529	+	1.203E-33	1.4427E-31	-0.33038	hypo	sig	chr6_165847529
chr12	1.14E+08	114404075	+	1.215E-33	1.456E-31	0.319936	hyper	sig	chr12_114404075
chr2	44166274	44166274	+	1.217E-33	1.459E-31	0.361327	hyper	sig	chr2_44166274
chr3	1.96E+08	195803224	+	1.217E-33	1.459E-31	0.354561	hyper	sig	chr3_195803224
chr8	48976465	48976465	+	1.218E-33	1.4594E-31	-0.39348	hypo	sig	chr8_48976465
chr7	27106671	27106671	+	1.22E-33	1.4615E-31	0.420539	hyper	sig	chr7_27106671
chr7	1.04E+08	103990410	+	1.222E-33	1.4632E-31	0.286162	hyper	sig	chr7_103990410
chr13	1.13E+08	113098226	+	1.223E-33	1.4645E-31	0.369207	hyper	sig	chr13_113098226
chr19	846254	846254	+	1.226E-33	1.4683E-31	-0.40591	hypo	sig	chr19_846254
chr3	16440249	16440249	+	1.226E-33	1.4683E-31	-0.41062	hypo	sig	chr3_16440249
chr15	43217782	43217782	+	1.229E-33	1.4716E-31	-0.39638	hypo	sig	chr15_43217782
chr17	1186978	1186978	+	1.229E-33	1.4716E-31	0.474947	hyper	sig	chr17_1186978

chr5	1876281	1876281	+	1.231E-33	1.4729E-31	0.359599	hyper	sig	chr5_1876281
chr11	65557742	65557742	+	1.233E-33	1.476E-31	0.261865	hyper	sig	chr11_65557742
chr5	1.41E+08	141392992	+	1.237E-33	1.4794E-31	0.315293	hyper	sig	chr5_141392992
chr19	57584079	57584079	+	1.244E-33	1.488E-31	0.385793	hyper	sig	chr19_57584079
chr10	1.24E+08	124010691	+	1.249E-33	1.4935E-31	0.34029	hyper	sig	chr10_124010691
chr3	1.8E+08	180036771	+	1.25E-33	1.4947E-31	0.294974	hyper	sig	chr3_180036771
chr1	1.01E+08	100543634	+	1.256E-33	1.5022E-31	-0.23914	hypo	sig	chr1_100543634
chr1	1.77E+08	177170992	+	1.256E-33	1.5022E-31	0.280961	hyper	sig	chr1_177170992
chr7	5349260	5349260	+	1.26E-33	1.506E-31	0.330036	hyper	sig	chr7_5349260
chr5	1.16E+08	115962125	+	1.263E-33	1.5092E-31	0.39943	hyper	sig	chr5_115962125
chr21	36708819	36708819	+	1.266E-33	1.5124E-31	0.31955	hyper	sig	chr21_36708819
chr7	1.28E+08	128201686	+	1.266E-33	1.5131E-31	0.296015	hyper	sig	chr7_128201686
chr5	33936397	33936397	+	1.269E-33	1.5161E-31	0.355985	hyper	sig	chr5_33936397
chr9	96087439	96087439	+	1.27E-33	1.5172E-31	-0.35338	hypo	sig	chr9_96087439
chr7	2572443	2572443	+	1.275E-33	1.5225E-31	-0.36259	hypo	sig	chr7_2572443
chr6	1.46E+08	145737079	+	1.275E-33	1.5226E-31	0.294486	hyper	sig	chr6_145737079
chr13	1.12E+08	111893176	+	1.281E-33	1.529E-31	0.430847	hyper	sig	chr13_111893176
chr4	4861656	4861656	+	1.291E-33	1.5411E-31	0.325096	hyper	sig	chr4_4861656
chr1	16019625	16019625	+	1.295E-33	1.5455E-31	0.324509	hyper	sig	chr1_16019625
chr13	94968702	94968702	+	1.295E-33	1.5459E-31	0.425865	hyper	sig	chr13_94968702
chr5	1.41E+08	141476824	+	1.297E-33	1.5473E-31	0.244419	hyper	sig	chr5_141476824
chr1	47444431	47444431	+	1.299E-33	1.5496E-31	0.334286	hyper	sig	chr1_47444431
chr10	55628510	55628510	+	1.3E-33	1.5507E-31	0.236771	hyper	sig	chr10_55628510
chr5	1.41E+08	140672505	+	1.304E-33	1.5549E-31	0.366014	hyper	sig	chr5_140672505
chr10	22345814	22345814	+	1.305E-33	1.5561E-31	0.495168	hyper	sig	chr10_22345814
chr1	50417639	50417639	+	1.308E-33	1.5594E-31	0.277766	hyper	sig	chr1_50417639
chr6	27260551	27260551	+	1.31E-33	1.5618E-31	0.309763	hyper	sig	chr6_27260551
chr11	17698538	17698538	+	1.312E-33	1.5637E-31	-0.37854	hypo	sig	chr11_17698538
chr12	57632423	57632423	+	1.314E-33	1.5661E-31	0.298303	hyper	sig	chr12_57632423
chr1	1.46E+08	146486773	+	1.319E-33	1.5724E-31	0.392265	hyper	sig	chr1_146486773
chr20	63047778	63047778	+	1.323E-33	1.5768E-31	-0.33451	hypo	sig	chr20_63047778
chr19	40568200	40568200	+	1.335E-33	1.5904E-31	0.349683	hyper	sig	chr19_40568200
chr12	1.11E+08	111036224	+	1.339E-33	1.5948E-31	0.275246	hyper	sig	chr12_111036224
chr7	2572256	2572256	+	1.349E-33	1.6071E-31	-0.39398	hypo	sig	chr7_2572256
chr13	57629521	57629521	+	1.35E-33	1.6072E-31	0.361143	hyper	sig	chr13_57629521
chr5	1.46E+08	146340471	+	1.351E-33	1.6089E-31	0.359434	hyper	sig	chr5_146340471
chr10	1.33E+08	132832700	+	1.357E-33	1.6151E-31	0.382856	hyper	sig	chr10_132832700
chr10	49134100	49134100	+	1.357E-33	1.6152E-31	-0.31928	hypo	sig	chr10_49134100
chr12	6946451	6946451	+	1.36E-33	1.6182E-31	-0.27264	hypo	sig	chr12_6946451
chr16	67964042	67964042	+	1.361E-33	1.62E-31	0.362596	hyper	sig	chr16_67964042
chr11	31797848	31797848	+	1.369E-33	1.6287E-31	0.336653	hyper	sig	chr11_31797848
chr5	63961883	63961883	+	1.372E-33	1.6326E-31	0.273184	hyper	sig	chr5_63961883
chr7	28408513	28408513	+	1.374E-33	1.6338E-31	0.386575	hyper	sig	chr7_28408513
chr11	1.34E+08	133955632	+	1.376E-33	1.6361E-31	0.324156	hyper	sig	chr11_133955632
chr11	1.23E+08	122981709	+	1.382E-33	1.6434E-31	0.327791	hyper	sig	chr11_122981709
chr5	1.42E+08	141752301	+	1.383E-33	1.6444E-31	-0.38765	hypo	sig	chr5_141752301
chr10	49609223	49609223	+	1.394E-33	1.6566E-31	0.378894	hyper	sig	chr10_49609223
chr4	1.74E+08	173519320	+	1.394E-33	1.6572E-31	0.295319	hyper	sig	chr4_173519320
chr1	37034911	37034911	+	1.4E-33	1.6637E-31	0.257877	hyper	sig	chr1_37034911
chr11	94769387	94769387	+	1.401E-33	1.6645E-31	0.276255	hyper	sig	chr11_94769387
chr7	1.37E+08	136869121	+	1.41E-33	1.6749E-31	0.400277	hyper	sig	chr7_136869121
chr2	54570148	54570148	+	1.413E-33	1.6779E-31	-0.30586	hypo	sig	chr2_54570148
chr11	393570	393570	+	1.414E-33	1.6799E-31	-0.43009	hypo	sig	chr11_393570
chr17	83048648	83048648	+	1.421E-33	1.687E-31	-0.37586	hypo	sig	chr17_83048648
chr5	55222876	55222876	+	1.428E-33	1.6954E-31	0.346075	hyper	sig	chr5_55222876
chr1	65792139	65792139	+	1.436E-33	1.7049E-31	0.317985	hyper	sig	chr1_65792139

chr5	1.35E+08	135039061	+	1.436E-33	1.7051E-31	0.463988	hyper	sig	chr5_135039061
chr15	34495816	34495816	+	1.437E-33	1.7056E-31	0.306298	hyper	sig	chr15_34495816
chr5	1.41E+08	141427900	+	1.441E-33	1.7095E-31	0.343734	hyper	sig	chr5_141427900
chr19	37692211	37692211	+	1.441E-33	1.7096E-31	0.201168	hyper	sig	chr19_37692211
chr6	1.33E+08	133242409	+	1.441E-33	1.7099E-31	0.330895	hyper	sig	chr6_133242409
chr14	36667142	36667142	+	1.443E-33	1.7111E-31	0.343365	hyper	sig	chr14_36667142
chr11	42881617	42881617	+	1.449E-33	1.7188E-31	-0.39457	hypo	sig	chr11_42881617
chr19	48837275	48837275	+	1.458E-33	1.7293E-31	0.365861	hyper	sig	chr19_48837275
chr12	1.2E+08	119803483	+	1.459E-33	1.73E-31	0.373132	hyper	sig	chr12_119803483
chr3	6862574	6862574	+	1.459E-33	1.73E-31	0.327522	hyper	sig	chr3_6862574
chr13	93227412	93227412	+	1.465E-33	1.7359E-31	0.388199	hyper	sig	chr13_93227412
chr6	37705976	37705976	+	1.465E-33	1.7366E-31	0.317535	hyper	sig	chr6_37705976
chr5	1876184	1876184	+	1.472E-33	1.7446E-31	0.295618	hyper	sig	chr5_1876184
chr10	25933914	25933914	+	1.474E-33	1.7466E-31	0.382251	hyper	sig	chr10_25933914
chr2	1816619	1816619	+	1.475E-33	1.7471E-31	0.301873	hyper	sig	chr2_1816619
chr13	27975558	27975558	+	1.478E-33	1.7503E-31	0.355416	hyper	sig	chr13_27975558
chr6	1.69E+08	169429810	+	1.479E-33	1.7513E-31	-0.33779	hypo	sig	chr6_169429810
chr20	885395	885395	+	1.485E-33	1.7585E-31	0.348098	hyper	sig	chr20_885395
chr7	4107725	4107725	+	1.485E-33	1.7585E-31	-0.38982	hypo	sig	chr7_4107725
chr2	2.32E+08	231531530	+	1.489E-33	1.762E-31	-0.2998	hypo	sig	chr2_231531530
chr16	54934875	54934875	+	1.491E-33	1.7645E-31	0.387848	hyper	sig	chr16_54934875
chr12	1.23E+08	123269755	+	1.499E-33	1.7735E-31	0.395423	hyper	sig	chr12_123269755
chr1	2.17E+08	217137621	+	1.501E-33	1.7764E-31	0.311562	hyper	sig	chr1_217137621
chr19	58002185	58002185	+	1.509E-33	1.7852E-31	0.233551	hyper	sig	chr19_58002185
chr13	52848697	52848697	+	1.51E-33	1.7859E-31	0.257533	hyper	sig	chr13_52848697
chr3	5095914	5095914	+	1.513E-33	1.7888E-31	0.322239	hyper	sig	chr3_5095914
chr17	74670531	74670531	+	1.52E-33	1.7969E-31	-0.37954	hypo	sig	chr17_74670531
chr19	58059180	58059180	+	1.524E-33	1.8017E-31	0.435225	hyper	sig	chr19_58059180
chr2	1.31E+08	130964694	+	1.529E-33	1.807E-31	0.28716	hyper	sig	chr2_130964694
chr13	27918920	27918920	+	1.529E-33	1.8072E-31	0.374224	hyper	sig	chr13_27918920
chr3	1.97E+08	197354788	+	1.531E-33	1.8091E-31	0.378134	hyper	sig	chr3_197354788
chr6	1.44E+08	144065337	+	1.531E-33	1.8096E-31	-0.33358	hypo	sig	chr6_144065337
chr11	55870830	55870830	+	1.536E-33	1.8143E-31	-0.30392	hypo	sig	chr11_55870830
chr9	1.35E+08	134643356	+	1.539E-33	1.8184E-31	0.411925	hyper	sig	chr9_134643356
chr14	1.01E+08	101054683	+	1.541E-33	1.8199E-31	-0.37798	hypo	sig	chr14_101054683
chr12	1.2E+08	119593994	+	1.549E-33	1.829E-31	0.314327	hyper	sig	chr12_119593994
chr2	2.4E+08	240043837	+	1.552E-33	1.8328E-31	-0.4003	hypo	sig	chr2_240043837
chr16	2127188	2127188	+	1.558E-33	1.8391E-31	0.245705	hyper	sig	chr16_2127188
chr19	52398004	52398004	+	1.568E-33	1.8512E-31	0.357737	hyper	sig	chr19_52398004
chr14	20510729	20510729	+	1.569E-33	1.8519E-31	-0.45276	hypo	sig	chr14_20510729
chr7	1.5E+08	150047260	+	1.579E-33	1.8633E-31	0.332775	hyper	sig	chr7_150047260
chr3	1.84E+08	184337429	+	1.593E-33	1.8797E-31	0.374744	hyper	sig	chr3_184337429
chr5	1.41E+08	141150137	+	1.596E-33	1.8834E-31	0.347634	hyper	sig	chr5_141150137
chr7	1.46E+08	146115734	+	1.597E-33	1.8837E-31	0.423919	hyper	sig	chr7_146115734
chr16	88409749	88409749	+	1.598E-33	1.8841E-31	-0.40733	hypo	sig	chr16_88409749
chr17	5499723	5499723	+	1.611E-33	1.9E-31	0.349175	hyper	sig	chr17_5499723
chr17	45429820	45429820	+	1.613E-33	1.9018E-31	0.443987	hyper	sig	chr17_45429820
chr12	1.14E+08	114403889	+	1.621E-33	1.9107E-31	0.39259	hyper	sig	chr12_114403889
chr12	1.03E+08	102961345	+	1.622E-33	1.9124E-31	0.342797	hyper	sig	chr12_102961345
chr16	86619570	86619570	+	1.627E-33	1.917E-31	-0.41992	hypo	sig	chr16_86619570
chr5	1.39E+08	139394260	+	1.627E-33	1.9175E-31	0.306911	hyper	sig	chr5_139394260
chr12	4909935	4909935	+	1.628E-33	1.9176E-31	0.339661	hyper	sig	chr12_4909935
chr17	38855214	38855214	+	1.628E-33	1.9178E-31	-0.36396	hypo	sig	chr17_38855214
chr16	29156649	29156649	+	1.628E-33	1.9179E-31	-0.3309	hypo	sig	chr16_29156649
chr17	82342387	82342387	+	1.638E-33	1.9287E-31	-0.3166	hypo	sig	chr17_82342387
chr5	32713229	32713229	+	1.639E-33	1.9297E-31	0.370328	hyper	sig	chr5_32713229

chr3	1.87E+08	187139766	+	1.642E-33	1.9333E-31	0.208426	hyper	sig	chr3_187139766
chr6	1.67E+08	167223843	+	1.651E-33	1.9435E-31	-0.3122	hypo	sig	chr6_167223843
chr5	1.73E+08	172748751	+	1.652E-33	1.9439E-31	0.407208	hyper	sig	chr5_172748751
chr13	1.02E+08	102400570	+	1.656E-33	1.9493E-31	0.336471	hyper	sig	chr13_102400570
chr1	2496676	2496676	+	1.657E-33	1.9499E-31	-0.44474	hypo	sig	chr1_2496676
chr20	25082086	25082086	+	1.659E-33	1.952E-31	0.404193	hyper	sig	chr20_25082086
chr5	3592412	3592412	+	1.665E-33	1.9582E-31	0.326858	hyper	sig	chr5_3592412
chr14	24311318	24311318	+	1.692E-33	1.99E-31	0.267281	hyper	sig	chr14_24311318
chr5	1.41E+08	141431227	+	1.695E-33	1.9936E-31	0.339186	hyper	sig	chr5_141431227
chr2	1818631	1818631	+	1.703E-33	2.0019E-31	-0.41109	hypo	sig	chr2_1818631
chr5	1.41E+08	141371906	+	1.712E-33	2.0123E-31	0.336385	hyper	sig	chr5_141371906
chr16	86619606	86619606	+	1.718E-33	2.02E-31	-0.4142	hypo	sig	chr16_86619606
chr17	64779917	64779917	+	1.721E-33	2.0227E-31	0.408009	hyper	sig	chr17_64779917
chr7	4767873	4767873	+	1.725E-33	2.0277E-31	0.389216	hyper	sig	chr7_4767873
chr14	60485517	60485517	+	1.732E-33	2.0355E-31	0.349984	hyper	sig	chr14_60485517
chr7	74002809	74002809	+	1.74E-33	2.0442E-31	-0.43756	hypo	sig	chr7_74002809
chr7	79454274	79454274	+	1.742E-33	2.0464E-31	0.359865	hyper	sig	chr7_79454274
chr1	9275763	9275763	+	1.742E-33	2.0464E-31	-0.33271	hypo	sig	chr1_9275763
chr5	5139742	5139742	+	1.745E-33	2.049E-31	0.325809	hyper	sig	chr5_5139742
chr7	79454244	79454244	+	1.747E-33	2.0512E-31	0.350691	hyper	sig	chr7_79454244
chr22	43862823	43862823	+	1.753E-33	2.0583E-31	0.26173	hyper	sig	chr22_43862823
chr7	88759958	88759958	+	1.758E-33	2.0631E-31	0.377518	hyper	sig	chr7_88759958
chr16	73064833	73064833	+	1.764E-33	2.0703E-31	-0.32126	hypo	sig	chr16_73064833
chr2	1.09E+08	109175143	+	1.77E-33	2.0766E-31	-0.33532	hypo	sig	chr2_109175143
chr22	37639124	37639124	+	1.792E-33	2.102E-31	-0.31101	hypo	sig	chr22_37639124
chr19	7515323	7515323	+	1.794E-33	2.1047E-31	0.294973	hyper	sig	chr19_7515323
chr2	89611912	89611912	+	1.799E-33	2.1096E-31	0.418883	hyper	sig	chr2_89611912
chr2	2.41E+08	240519522	+	1.817E-33	2.1313E-31	0.359995	hyper	sig	chr2_240519522
chr4	7193342	7193342	+	1.82E-33	2.1342E-31	0.323671	hyper	sig	chr4_7193342
chr11	73263015	73263015	+	1.825E-33	2.1401E-31	-0.43664	hypo	sig	chr11_73263015
chr19	22422454	22422454	+	1.83E-33	2.1453E-31	0.35998	hyper	sig	chr19_22422454
chr2	1E+08	100321134	+	1.834E-33	2.1493E-31	0.367838	hyper	sig	chr2_100321134
chr11	44310934	44310934	+	1.835E-33	2.1511E-31	0.251285	hyper	sig	chr11_44310934
chr3	1.93E+08	192514324	+	1.845E-33	2.1625E-31	0.421131	hyper	sig	chr3_192514324
chr13	1.12E+08	112067459	+	1.864E-33	2.1839E-31	0.320939	hyper	sig	chr13_112067459
chr11	44310800	44310800	+	1.866E-33	2.1863E-31	0.356537	hyper	sig	chr11_44310800
chr1	44638240	44638240	+	1.878E-33	2.1999E-31	0.366154	hyper	sig	chr1_44638240
chr2	1.28E+08	127655422	+	1.882E-33	2.2045E-31	0.293265	hyper	sig	chr2_127655422
chr13	27921983	27921983	+	1.883E-33	2.2045E-31	0.454284	hyper	sig	chr13_27921983
chr3	75910235	75910235	+	1.885E-33	2.2069E-31	-0.34861	hypo	sig	chr3_75910235
chr19	15281138	15281138	+	1.885E-33	2.2069E-31	0.342831	hyper	sig	chr19_15281138
chr2	27308537	27308537	+	1.888E-33	2.2091E-31	0.407847	hyper	sig	chr2_27308537
chr4	45530530	45530530	+	1.89E-33	2.2113E-31	-0.37242	hypo	sig	chr4_45530530
chr3	9915023	9915023	+	1.894E-33	2.2153E-31	0.293163	hyper	sig	chr3_9915023
chr3	1.45E+08	145333519	+	1.893E-33	2.2153E-31	-0.41629	hypo	sig	chr3_145333519
chr17	79801998	79801998	+	1.897E-33	2.2187E-31	0.391836	hyper	sig	chr17_79801998
chr6	27545446	27545446	+	1.897E-33	2.2187E-31	0.292045	hyper	sig	chr6_27545446
chr8	66432405	66432405	+	1.898E-33	2.2192E-31	0.349843	hyper	sig	chr8_66432405
chr9	1.32E+08	132490745	+	1.906E-33	2.2282E-31	-0.41523	hypo	sig	chr9_132490745
chr2	4003207	4003207	+	1.912E-33	2.2356E-31	-0.39706	hypo	sig	chr2_4003207
chr1	912971	912971	+	1.913E-33	2.2361E-31	-0.24192	hypo	sig	chr1_912971
chr15	83107113	83107113	+	1.913E-33	2.2361E-31	0.264417	hyper	sig	chr15_83107113
chr7	27106643	27106643	+	1.921E-33	2.2445E-31	0.402438	hyper	sig	chr7_27106643
chr15	40322918	40322918	+	1.928E-33	2.2522E-31	0.324287	hyper	sig	chr15_40322918
chr8	1.44E+08	144046805	+	1.954E-33	2.2827E-31	-0.43767	hypo	sig	chr8_144046805
chr9	1.31E+08	131308171	+	1.954E-33	2.2827E-31	-0.35338	hypo	sig	chr9_131308171

chr1	1.53E+08	153390493	+	1.956E-33	2.2836E-31	-0.33199	hypo	sig	chr1_153390493
chr16	15146120	15146120	+	1.956E-33	2.2836E-31	0.312489	hyper	sig	chr16_15146120
chr13	1.12E+08	112056468	+	1.966E-33	2.2955E-31	0.492136	hyper	sig	chr13_112056468
chr1	2.01E+08	201486286	+	1.968E-33	2.2971E-31	0.314197	hyper	sig	chr1_201486286
chr9	1.37E+08	136850144	+	1.97E-33	2.2994E-31	0.345864	hyper	sig	chr9_136850144
chr7	1.58E+08	157684240	+	1.97E-33	2.2996E-31	0.418842	hyper	sig	chr7_157684240
chr16	86516356	86516356	+	1.987E-33	2.3182E-31	0.345226	hyper	sig	chr16_86516356
chr7	1.59E+08	159065823	+	1.988E-33	2.3188E-31	-0.36722	hypo	sig	chr7_159065823
chr8	64586257	64586257	+	1.988E-33	2.3188E-31	0.405848	hyper	sig	chr8_64586257
chr19	1221772	1221772	+	1.994E-33	2.3255E-31	0.396598	hyper	sig	chr19_1221772
chr1	11730534	11730534	+	1.995E-33	2.3266E-31	-0.31955	hypo	sig	chr1_11730534
chr2	1.19E+08	118857439	+	2.01E-33	2.3434E-31	0.361269	hyper	sig	chr2_118857439
chr7	868444	868444	+	2.01E-33	2.3436E-31	0.333654	hyper	sig	chr7_868444
chr10	1.01E+08	101139528	+	2.015E-33	2.3494E-31	0.305235	hyper	sig	chr10_101139528
chr1	1.59E+08	159188654	+	2.018E-33	2.3524E-31	0.335447	hyper	sig	chr1_159188654
chr19	49436668	49436668	+	2.021E-33	2.3549E-31	0.253845	hyper	sig	chr19_49436668
chr2	98735068	98735068	+	2.042E-33	2.3788E-31	-0.30219	hypo	sig	chr2_98735068
chr3	26623291	26623291	+	2.045E-33	2.3823E-31	0.290487	hyper	sig	chr3_26623291
chr8	1.42E+08	141903200	+	2.048E-33	2.3853E-31	-0.37392	hypo	sig	chr8_141903200
chr6	32065229	32065229	+	2.055E-33	2.3939E-31	-0.30773	hypo	sig	chr6_32065229
chr7	4810746	4810746	+	2.059E-33	2.3976E-31	-0.35852	hypo	sig	chr7_4810746
chr11	1.35E+08	134781934	+	2.079E-33	2.4212E-31	-0.43231	hypo	sig	chr11_134781934
chr1	2.35E+08	234772525	+	2.089E-33	2.4321E-31	-0.22705	hypo	sig	chr1_234772525
chr20	56925980	56925980	+	2.089E-33	2.4321E-31	0.371218	hyper	sig	chr20_56925980
chr8	1.13E+08	113432842	+	2.091E-33	2.4328E-31	0.282408	hyper	sig	chr8_113432842
chr9	3181007	3181007	+	2.09E-33	2.4328E-31	0.319759	hyper	sig	chr9_3181007
chr20	46017725	46017725	+	2.091E-33	2.4332E-31	-0.3303	hypo	sig	chr20_46017725
chr17	80064358	80064358	+	2.096E-33	2.4378E-31	-0.37277	hypo	sig	chr17_80064358
chr7	1.58E+08	157898849	+	2.097E-33	2.4394E-31	-0.3189	hypo	sig	chr7_157898849
chr17	45897587	45897587	+	2.102E-33	2.4443E-31	0.324018	hyper	sig	chr17_45897587
chr13	1.02E+08	102394873	+	2.111E-33	2.4547E-31	0.250824	hyper	sig	chr13_102394873
chr2	2.42E+08	241852816	+	2.129E-33	2.4753E-31	-0.2746	hypo	sig	chr2_241852816
chr12	1.13E+08	113464994	+	2.13E-33	2.4764E-31	0.389934	hyper	sig	chr12_113464994
chr12	1.3E+08	130042252	+	2.133E-33	2.4791E-31	0.378961	hyper	sig	chr12_130042252
chr3	1.47E+08	147409794	+	2.135E-33	2.4817E-31	0.370736	hyper	sig	chr3_147409794
chr2	10919350	10919350	+	2.142E-33	2.4887E-31	-0.3651	hypo	sig	chr2_10919350
chr1	94819696	94819696	+	2.15E-33	2.4982E-31	-0.33669	hypo	sig	chr1_94819696
chr2	66433033	66433033	+	2.153E-33	2.5016E-31	0.289536	hyper	sig	chr2_66433033
chr20	33193254	33193254	+	2.154E-33	2.5016E-31	-0.37207	hypo	sig	chr20_33193254
chr6	44342722	44342722	+	2.155E-33	2.5026E-31	0.277121	hyper	sig	chr6_44342722
chr2	1.82E+08	181678515	+	2.163E-33	2.5114E-31	0.336724	hyper	sig	chr2_181678515
chr5	73444706	73444706	+	2.165E-33	2.5139E-31	0.334747	hyper	sig	chr5_73444706
chr1	1.44E+08	143654689	+	2.183E-33	2.5338E-31	0.377978	hyper	sig	chr1_143654689
chr10	22345180	22345180	+	2.194E-33	2.546E-31	0.311763	hyper	sig	chr10_22345180
chr15	93071829	93071829	+	2.203E-33	2.557E-31	0.327135	hyper	sig	chr15_93071829
chr17	59333326	59333326	+	2.207E-33	2.5604E-31	0.364867	hyper	sig	chr17_59333326
chr16	85847896	85847896	+	2.207E-33	2.561E-31	-0.35014	hypo	sig	chr16_85847896
chr5	43044573	43044573	+	2.215E-33	2.5699E-31	0.332184	hyper	sig	chr5_43044573
chr13	1.12E+08	112251387	+	2.225E-33	2.5808E-31	-0.45808	hypo	sig	chr13_112251387
chr17	64778507	64778507	+	2.229E-33	2.5848E-31	0.311619	hyper	sig	chr17_64778507
chr7	97020997	97020997	+	2.231E-33	2.5865E-31	0.36855	hyper	sig	chr7_97020997
chr7	90118987	90118987	+	2.234E-33	2.5901E-31	0.326378	hyper	sig	chr7_90118987
chr1	1.14E+08	114154393	+	2.237E-33	2.5929E-31	0.274053	hyper	sig	chr1_114154393
chr18	48980163	48980163	+	2.24E-33	2.5961E-31	-0.38582	hypo	sig	chr18_48980163
chr16	3184344	3184344	+	2.249E-33	2.6064E-31	0.346144	hyper	sig	chr16_3184344
chr1	1.53E+08	152685811	+	2.25E-33	2.6067E-31	-0.30893	hypo	sig	chr1_152685811

chr1	1.14E+08	114154089	+	2.25E-33	2.6072E-31	0.330161	hyper	sig	chr1_114154089
chr20	35438154	35438154	+	2.266E-33	2.6248E-31	0.372953	hyper	sig	chr20_35438154
chr8	54466454	54466454	+	2.268E-33	2.6271E-31	0.49795	hyper	sig	chr8_54466454
chr13	27793679	27793679	+	2.279E-33	2.6397E-31	0.462843	hyper	sig	chr13_27793679
chr1	1.51E+08	151326223	+	2.288E-33	2.6498E-31	0.312973	hyper	sig	chr1_151326223
chr7	1.21E+08	121328857	+	2.3E-33	2.6633E-31	0.375402	hyper	sig	chr7_121328857
chr18	32018333	32018333	+	2.314E-33	2.6783E-31	-0.20836	hypo	sig	chr18_32018333
chr1	2.29E+08	229407286	+	2.32E-33	2.6854E-31	0.395235	hyper	sig	chr1_229407286
chr8	72538296	72538296	+	2.329E-33	2.6948E-31	0.464656	hyper	sig	chr8_72538296
chr20	46513605	46513605	+	2.335E-33	2.7015E-31	0.371671	hyper	sig	chr20_46513605
chr4	1.53E+08	153249576	+	2.335E-33	2.7015E-31	0.306655	hyper	sig	chr4_153249576
chr2	2.38E+08	237886255	+	2.35E-33	2.7179E-31	0.363952	hyper	sig	chr2_237886255
chr8	97276734	97276734	+	2.353E-33	2.7218E-31	-0.44037	hypo	sig	chr8_97276734
chr11	1.32E+08	131677425	+	2.359E-33	2.7274E-31	-0.38913	hypo	sig	chr11_131677425
chr3	6862489	6862489	+	2.365E-33	2.734E-31	0.340798	hyper	sig	chr3_6862489
chr2	1.15E+08	115162689	+	2.372E-33	2.7417E-31	0.373546	hyper	sig	chr2_115162689
chr14	51094082	51094082	+	2.373E-33	2.7425E-31	0.363381	hyper	sig	chr14_51094082
chr17	57954252	57954252	+	2.384E-33	2.7549E-31	0.367287	hyper	sig	chr17_57954252
chr9	1.27E+08	127123432	+	2.384E-33	2.755E-31	0.338038	hyper	sig	chr9_127123432
chr1	2274409	2274409	+	2.387E-33	2.7579E-31	0.371964	hyper	sig	chr1_2274409
chr20	56925559	56925559	+	2.402E-33	2.775E-31	0.337467	hyper	sig	chr20_56925559
chr7	774754	774754	+	2.41E-33	2.7832E-31	0.413831	hyper	sig	chr7_774754
chr4	1.25E+08	125316442	+	2.419E-33	2.7933E-31	0.292058	hyper	sig	chr4_125316442
chr12	1.14E+08	114439676	+	2.429E-33	2.8052E-31	0.371021	hyper	sig	chr12_114439676
chr1	2.28E+08	228464777	+	2.435E-33	2.8118E-31	0.344029	hyper	sig	chr1_228464777
chr1	2892315	2892315	+	2.445E-33	2.8223E-31	0.341574	hyper	sig	chr1_2892315
chr21	42668728	42668728	+	2.455E-33	2.8337E-31	0.329798	hyper	sig	chr21_42668728
chr6	99602921	99602921	+	2.463E-33	2.8422E-31	0.283963	hyper	sig	chr6_99602921
chr7	1.55E+08	155382645	+	2.481E-33	2.8625E-31	0.334251	hyper	sig	chr7_155382645
chr19	44757117	44757117	+	2.487E-33	2.8691E-31	0.299485	hyper	sig	chr19_44757117
chr1	10670627	10670627	+	2.488E-33	2.8696E-31	0.290095	hyper	sig	chr1_10670627
chr2	1.19E+08	119240559	+	2.489E-33	2.8707E-31	0.417409	hyper	sig	chr2_119240559
chr10	1.3E+08	129969841	+	2.49E-33	2.8709E-31	0.278255	hyper	sig	chr10_129969841
chr17	76039548	76039548	+	2.49E-33	2.8709E-31	0.327502	hyper	sig	chr17_76039548
chr2	1818635	1818635	+	2.502E-33	2.8849E-31	-0.41727	hypo	sig	chr2_1818635
chr19	55302790	55302790	+	2.503E-33	2.8857E-31	-0.37306	hypo	sig	chr19_55302790
chr19	57351292	57351292	+	2.508E-33	2.8905E-31	0.322543	hyper	sig	chr19_57351292
chr20	885387	885387	+	2.508E-33	2.8905E-31	0.391757	hyper	sig	chr20_885387
chr13	27927801	27927801	+	2.511E-33	2.8935E-31	0.477456	hyper	sig	chr13_27927801
chr2	45004762	45004762	+	2.514E-33	2.896E-31	0.310788	hyper	sig	chr2_45004762
chr7	772042	772042	+	2.527E-33	2.9107E-31	0.322924	hyper	sig	chr7_772042
chr13	52845488	52845488	+	2.531E-33	2.9157E-31	0.363358	hyper	sig	chr13_52845488
chr2	2.07E+08	206642401	+	2.535E-33	2.9197E-31	0.292772	hyper	sig	chr2_206642401
chr19	57320971	57320971	+	2.544E-33	2.9292E-31	0.235678	hyper	sig	chr19_57320971
chr11	1.12E+08	111976751	+	2.549E-33	2.9342E-31	0.375807	hyper	sig	chr11_111976751
chr1	8212170	8212170	+	2.55E-33	2.9355E-31	-0.2907	hypo	sig	chr1_8212170
chr4	4870750	4870750	+	2.553E-33	2.9384E-31	0.341832	hyper	sig	chr4_4870750
chr19	9214762	9214762	+	2.562E-33	2.9488E-31	-0.35383	hypo	sig	chr19_9214762
chr3	68931388	68931388	+	2.568E-33	2.9551E-31	0.345221	hyper	sig	chr3_68931388
chr12	65731996	65731996	+	2.582E-33	2.9709E-31	-0.35874	hypo	sig	chr12_65731996
chr8	68330753	68330753	+	2.592E-33	2.9812E-31	0.374961	hyper	sig	chr8_68330753
chr13	1.12E+08	112067469	+	2.629E-33	3.0238E-31	0.34526	hyper	sig	chr13_112067469
chr10	1.01E+08	100520001	+	2.658E-33	3.0563E-31	0.320539	hyper	sig	chr10_100520001
chr19	13001994	13001994	+	2.666E-33	3.0651E-31	0.375736	hyper	sig	chr19_13001994
chr14	85534733	85534733	+	2.667E-33	3.0664E-31	0.388272	hyper	sig	chr14_85534733
chr17	79981708	79981708	+	2.673E-33	3.0728E-31	0.319526	hyper	sig	chr17_79981708

chr1	6273783	6273783	+	2.675E-33	3.075E-31	-0.35433	hypo	sig	chr1_6273783
chr20	32457311	32457311	+	2.68E-33	3.0798E-31	0.46528	hyper	sig	chr20_32457311
chr7	27124310	27124310	+	2.68E-33	3.0798E-31	0.335656	hyper	sig	chr7_27124310
chr14	24311323	24311323	+	2.685E-33	3.0843E-31	0.296581	hyper	sig	chr14_24311323
chr13	24932065	24932065	+	2.688E-33	3.0875E-31	0.331031	hyper	sig	chr13_24932065
chr17	77377342	77377342	+	2.709E-33	3.1114E-31	0.349688	hyper	sig	chr17_77377342
chr1	14599471	14599471	+	2.713E-33	3.1158E-31	0.312407	hyper	sig	chr1_14599471
chr13	52335556	52335556	+	2.732E-33	3.1365E-31	-0.31412	hypo	sig	chr13_52335556
chr7	93890976	93890976	+	2.732E-33	3.1365E-31	0.41695	hyper	sig	chr7_93890976
chr4	41503925	41503925	+	2.736E-33	3.1401E-31	-0.38311	hypo	sig	chr4_41503925
chr5	1.46E+08	146342921	+	2.784E-33	3.1948E-31	0.344246	hyper	sig	chr5_146342921
chr8	96159604	96159604	+	2.797E-33	3.2099E-31	0.35624	hyper	sig	chr8_96159604
chr7	1.04E+08	103990427	+	2.8E-33	3.2127E-31	0.310344	hyper	sig	chr7_103990427
chr1	1.21E+08	121118030	+	2.804E-33	3.2172E-31	0.360456	hyper	sig	chr1_121118030
chr1	16872418	16872418	+	2.807E-33	3.2204E-31	0.328117	hyper	sig	chr1_16872418
chr8	17495325	17495325	+	2.81E-33	3.2233E-31	-0.30404	hypo	sig	chr8_17495325
chr11	32433879	32433879	+	2.842E-33	3.2596E-31	0.393261	hyper	sig	chr11_32433879
chr7	1.56E+08	156122980	+	2.844E-33	3.2608E-31	-0.37566	hypo	sig	chr7_156122980
chr16	165449	165449	+	2.852E-33	3.2691E-31	0.292783	hyper	sig	chr16_165449
chr13	93228541	93228541	+	2.852E-33	3.2696E-31	0.392579	hyper	sig	chr13_93228541
chr4	8559409	8559409	+	2.874E-33	3.2938E-31	-0.34772	hypo	sig	chr4_8559409
chr1	1.64E+08	164321640	+	2.875E-33	3.295E-31	0.315248	hyper	sig	chr1_164321640
chr5	1.78E+08	178121627	+	2.884E-33	3.3039E-31	0.432976	hyper	sig	chr5_178121627
chr4	4864401	4864401	+	2.888E-33	3.3088E-31	0.360021	hyper	sig	chr4_4864401
chr1	2074050	2074050	+	2.892E-33	3.3123E-31	0.342818	hyper	sig	chr1_2074050
chr1	6273746	6273746	+	2.917E-33	3.3402E-31	-0.3601	hypo	sig	chr1_6273746
chr1	50417722	50417722	+	2.917E-33	3.3402E-31	0.336657	hyper	sig	chr1_50417722
chr1	18631904	18631904	+	2.919E-33	3.3416E-31	0.38451	hyper	sig	chr1_18631904
chr6	1.06E+08	105981886	+	2.934E-33	3.3585E-31	0.383734	hyper	sig	chr6_105981886
chr19	58009721	58009721	+	2.943E-33	3.3688E-31	0.335089	hyper	sig	chr19_58009721
chr1	92481211	92481211	+	2.955E-33	3.3825E-31	0.31869	hyper	sig	chr1_92481211
chr13	52487699	52487699	+	2.96E-33	3.3863E-31	-0.30673	hypo	sig	chr13_52487699
chr7	54542275	54542275	+	2.96E-33	3.3863E-31	0.372518	hyper	sig	chr7_54542275
chr3	1.49E+08	149378242	+	2.967E-33	3.3938E-31	-0.30018	hypo	sig	chr3_149378242
chr18	75918335	75918335	+	2.968E-33	3.3939E-31	-0.43286	hypo	sig	chr18_75918335
chr2	5692907	5692907	+	2.967E-33	3.3939E-31	0.372667	hyper	sig	chr2_5692907
chr7	69599848	69599848	+	2.976E-33	3.4031E-31	0.408426	hyper	sig	chr7_69599848
chr7	1.58E+08	157706915	+	2.98E-33	3.4075E-31	-0.40059	hypo	sig	chr7_157706915
chr14	1.07E+08	106843910	+	2.982E-33	3.409E-31	-0.32206	hypo	sig	chr14_106843910
chr13	78596904	78596904	+	2.994E-33	3.4224E-31	0.298809	hyper	sig	chr13_78596904
chr1	2.21E+08	220884231	+	2.995E-33	3.4232E-31	0.423371	hyper	sig	chr1_220884231
chr1	2.36E+08	236065500	+	2.999E-33	3.4272E-31	0.301754	hyper	sig	chr1_236065500
chr1	1.65E+08	165445077	+	3.007E-33	3.4353E-31	0.252694	hyper	sig	chr1_165445077
chr19	12156981	12156981	+	3.009E-33	3.437E-31	0.225227	hyper	sig	chr19_12156981
chr17	35490193	35490193	+	3.024E-33	3.4539E-31	0.321783	hyper	sig	chr17_35490193
chr7	97022211	97022211	+	3.036E-33	3.4675E-31	0.392512	hyper	sig	chr7_97022211
chr7	42493622	42493622	+	3.06E-33	3.4946E-31	0.275916	hyper	sig	chr7_42493622
chr2	2.34E+08	233939026	+	3.061E-33	3.4951E-31	0.333293	hyper	sig	chr2_233939026
chr16	30095563	30095563	+	3.073E-33	3.5077E-31	0.334337	hyper	sig	chr16_30095563
chr10	1.3E+08	129525818	+	3.087E-33	3.5237E-31	0.317566	hyper	sig	chr10_129525818
chr13	1.12E+08	111974478	+	3.105E-33	3.5438E-31	0.267384	hyper	sig	chr13_111974478
chr2	96500691	96500691	+	3.122E-33	3.5624E-31	0.391358	hyper	sig	chr2_96500691
chr2	1.07E+08	106885632	+	3.136E-33	3.5784E-31	0.255779	hyper	sig	chr2_106885632
chr5	1.71E+08	171316972	+	3.143E-33	3.5859E-31	0.349304	hyper	sig	chr5_171316972
chr19	44757136	44757136	+	3.149E-33	3.5919E-31	0.30301	hyper	sig	chr19_44757136
chr13	1.1E+08	109782135	+	3.153E-33	3.5958E-31	-0.57649	hypo	sig	chr13_109782135

chr8	23710151	23710151	+	3.155E-33	3.5982E-31	0.301686	hyper	sig	chr8_23710151
chr8	1.06E+08	106215711	+	3.172E-33	3.6162E-31	-0.31718	hypo	sig	chr8_106215711
chr8	66961164	66961164	+	3.181E-33	3.6262E-31	0.303681	hyper	sig	chr8_66961164
chr2	74499894	74499894	+	3.192E-33	3.6388E-31	0.335269	hyper	sig	chr2_74499894
chr5	1.41E+08	141392999	+	3.206E-33	3.654E-31	0.308504	hyper	sig	chr5_141392999
chr21	45303252	45303252	+	3.25E-33	3.7036E-31	-0.38617	hypo	sig	chr21_45303252
chr17	4786022	4786022	+	3.254E-33	3.7079E-31	0.391448	hyper	sig	chr17_4786022
chr19	58350706	58350706	+	3.268E-33	3.7226E-31	0.408233	hyper	sig	chr19_58350706
chr7	19145800	19145800	+	3.268E-33	3.7226E-31	0.321875	hyper	sig	chr7_19145800
chr5	1.42E+08	141512803	+	3.269E-33	3.7234E-31	0.42269	hyper	sig	chr5_141512803
chr9	1.21E+08	120894486	+	3.277E-33	3.7317E-31	0.457863	hyper	sig	chr9_120894486
chr21	44958439	44958439	+	3.281E-33	3.736E-31	0.360836	hyper	sig	chr21_44958439
chr3	62374249	62374249	+	3.284E-33	3.7388E-31	0.330616	hyper	sig	chr3_62374249
chr20	60970907	60970907	+	3.286E-33	3.7399E-31	-0.33658	hypo	sig	chr20_60970907
chr16	69917906	69917906	+	3.289E-33	3.7428E-31	0.331727	hyper	sig	chr16_69917906
chr3	10993324	10993324	+	3.304E-33	3.7591E-31	0.322313	hyper	sig	chr3_10993324
chr3	62370615	62370615	+	3.304E-33	3.7594E-31	0.368818	hyper	sig	chr3_62370615
chr10	1.01E+08	101227641	+	3.306E-33	3.761E-31	0.269317	hyper	sig	chr10_101227641
chr20	17231731	17231731	+	3.316E-33	3.7712E-31	-0.23791	hypo	sig	chr20_17231731
chr11	22432935	22432935	+	3.336E-33	3.7942E-31	0.334	hyper	sig	chr11_22432935
chr19	55087643	55087643	+	3.341E-33	3.7991E-31	0.387415	hyper	sig	chr19_55087643
chr5	6349373	6349373	+	3.345E-33	3.8031E-31	-0.37921	hypo	sig	chr5_6349373
chr12	1.2E+08	119804153	+	3.351E-33	3.8097E-31	0.389401	hyper	sig	chr12_119804153
chr14	1.01E+08	101442493	+	3.357E-33	3.8161E-31	-0.34107	hypo	sig	chr14_101442493
chr19	58356309	58356309	+	3.36E-33	3.819E-31	0.350711	hyper	sig	chr19_58356309
chr21	36708898	36708898	+	3.363E-33	3.821E-31	0.25639	hyper	sig	chr21_36708898
chr5	44389743	44389743	+	3.365E-33	3.8236E-31	0.342659	hyper	sig	chr5_44389743
chr2	2.07E+08	206642796	+	3.367E-33	3.8251E-31	0.360697	hyper	sig	chr2_206642796
chr7	25859486	25859486	+	3.385E-33	3.8449E-31	-0.38275	hypo	sig	chr7_25859486
chr6	36841118	36841118	+	3.406E-33	3.8686E-31	0.334471	hyper	sig	chr6_36841118
chr3	1.73E+08	173141200	+	3.414E-33	3.8766E-31	-0.31065	hypo	sig	chr3_173141200
chr16	30948065	30948065	+	3.416E-33	3.8786E-31	0.390464	hyper	sig	chr16_30948065
chr10	3763249	3763249	+	3.421E-33	3.8833E-31	-0.31806	hypo	sig	chr10_3763249
chr11	69817296	69817296	+	3.428E-33	3.8906E-31	0.271125	hyper	sig	chr11_69817296
chr17	36464872	36464872	+	3.43E-33	3.8921E-31	0.47924	hyper	sig	chr17_36464872
chr2	1654493	1654493	+	3.43E-33	3.8923E-31	-0.42545	hypo	sig	chr2_1654493
chr4	52862889	52862889	+	3.448E-33	3.9125E-31	0.359395	hyper	sig	chr4_52862889
chr11	94769453	94769453	+	3.454E-33	3.9179E-31	0.299049	hyper	sig	chr11_94769453
chr5	958703	958703	+	3.468E-33	3.9338E-31	-0.39394	hypo	sig	chr5_958703
chr2	2.39E+08	239240170	+	3.476E-33	3.9426E-31	0.332921	hyper	sig	chr2_239240170
chr13	36130639	36130639	+	3.482E-33	3.9479E-31	0.328612	hyper	sig	chr13_36130639
chr2	2.19E+08	219452650	+	3.497E-33	3.965E-31	0.328905	hyper	sig	chr2_219452650
chr1	85279398	85279398	+	3.5E-33	3.9679E-31	-0.40028	hypo	sig	chr1_85279398
chr2	1.82E+08	181684838	+	3.552E-33	4.0258E-31	0.363659	hyper	sig	chr2_181684838
chr19	20661274	20661274	+	3.56E-33	4.0349E-31	0.320668	hyper	sig	chr19_20661274
chr5	1.41E+08	141485026	+	3.574E-33	4.0496E-31	0.338666	hyper	sig	chr5_141485026
chr1	2274463	2274463	+	3.581E-33	4.0578E-31	0.381124	hyper	sig	chr1_2274463
chr2	2.34E+08	233939020	+	3.6E-33	4.0783E-31	0.335843	hyper	sig	chr2_233939020
chr7	1.37E+08	136869137	+	3.615E-33	4.0946E-31	0.402661	hyper	sig	chr7_136869137
chr4	1.64E+08	164384171	+	3.616E-33	4.0949E-31	0.343901	hyper	sig	chr4_164384171
chr13	28532983	28532983	+	3.62E-33	4.099E-31	0.314216	hyper	sig	chr13_28532983
chr16	86513987	86513987	+	3.626E-33	4.1058E-31	0.463986	hyper	sig	chr16_86513987
chr3	1.72E+08	172448444	+	3.628E-33	4.1075E-31	0.31626	hyper	sig	chr3_172448444
chr5	1.41E+08	141094550	+	3.652E-33	4.1337E-31	0.332785	hyper	sig	chr5_141094550
chr19	44448416	44448416	+	3.662E-33	4.1443E-31	0.329868	hyper	sig	chr19_44448416
chr8	48270553	48270553	+	3.677E-33	4.1603E-31	-0.34727	hypo	sig	chr8_48270553

chr17	42653879	42653879	+	3.683E-33	4.1668E-31	0.289282	hyper	sig	chr17_42653879
chr8	51809265	51809265	+	3.686E-33	4.1699E-31	0.373826	hyper	sig	chr8_51809265
chr8	1.01E+08	101491780	+	3.701E-33	4.1864E-31	-0.35482	hypo	sig	chr8_101491780
chr5	1876223	1876223	+	3.707E-33	4.1919E-31	0.33641	hyper	sig	chr5_1876223
chr19	57240333	57240333	+	3.709E-33	4.1939E-31	0.33458	hyper	sig	chr19_57240333
chr21	36708936	36708936	+	3.72E-33	4.2059E-31	0.269227	hyper	sig	chr21_36708936
chr4	80185260	80185260	+	3.723E-33	4.2082E-31	0.301657	hyper	sig	chr4_80185260
chr7	2116241	2116241	+	3.759E-33	4.2486E-31	0.275745	hyper	sig	chr7_2116241
chr22	39570080	39570080	+	3.761E-33	4.2508E-31	-0.32609	hypo	sig	chr22_39570080
chr7	1235622	1235622	+	3.763E-33	4.2517E-31	0.37072	hyper	sig	chr7_1235622
chr6	15504719	15504719	+	3.77E-33	4.2589E-31	0.376591	hyper	sig	chr6_15504719
chr7	28410397	28410397	+	3.778E-33	4.2677E-31	0.299422	hyper	sig	chr7_28410397
chr5	1.71E+08	171317023	+	3.786E-33	4.2767E-31	0.304537	hyper	sig	chr5_171317023
chr5	45695759	45695759	+	3.793E-33	4.284E-31	0.381032	hyper	sig	chr5_45695759
chr20	4814798	4814798	+	3.794E-33	4.2843E-31	-0.34316	hypo	sig	chr20_4814798
chr1	38207008	38207008	+	3.799E-33	4.289E-31	-0.34397	hypo	sig	chr1_38207008
chr12	1.32E+08	132446383	+	3.802E-33	4.2921E-31	-0.34303	hypo	sig	chr12_132446383
chr6	30172454	30172454	+	3.803E-33	4.2921E-31	0.353204	hyper	sig	chr6_30172454
chr17	7179739	7179739	+	3.849E-33	4.344E-31	-0.321	hypo	sig	chr17_7179739
chr7	1.37E+08	136869108	+	3.851E-33	4.3458E-31	0.377909	hyper	sig	chr7_136869108
chr7	1.58E+08	157555042	+	3.856E-33	4.3501E-31	-0.42452	hypo	sig	chr7_157555042
chr8	1.08E+08	108083763	+	3.862E-33	4.3567E-31	0.347453	hyper	sig	chr8_108083763
chr7	27106684	27106684	+	3.868E-33	4.3631E-31	0.414344	hyper	sig	chr7_27106684
chr9	77019927	77019927	+	3.878E-33	4.3739E-31	0.390247	hyper	sig	chr9_77019927
chr14	28774278	28774278	+	3.883E-33	4.3782E-31	0.307372	hyper	sig	chr14_28774278
chr17	45430191	45430191	+	3.89E-33	4.386E-31	0.421119	hyper	sig	chr17_45430191
chr1	2.26E+08	225889952	+	3.927E-33	4.4268E-31	-0.3483	hypo	sig	chr1_225889952
chr19	54365166	54365166	+	3.927E-33	4.4268E-31	-0.26177	hypo	sig	chr19_54365166
chr3	1.96E+08	195804397	+	3.931E-33	4.4302E-31	-0.39192	hypo	sig	chr3_195804397
chr6	41028491	41028491	+	3.931E-33	4.4302E-31	0.320754	hyper	sig	chr6_41028491
chr7	90604647	90604647	+	3.941E-33	4.4406E-31	-0.34515	hypo	sig	chr7_90604647
chr2	27308508	27308508	+	3.948E-33	4.4476E-31	0.363562	hyper	sig	chr2_27308508
chr6	1.52E+08	151807402	+	3.984E-33	4.4876E-31	0.312352	hyper	sig	chr6_151807402
chr2	2.32E+08	232419692	+	3.986E-33	4.4895E-31	0.404258	hyper	sig	chr2_232419692
chr7	35186165	35186165	+	4.004E-33	4.509E-31	0.253416	hyper	sig	chr7_35186165
chr7	35257412	35257412	+	4.008E-33	4.5122E-31	0.345138	hyper	sig	chr7_35257412
chr17	64779068	64779068	+	4.021E-33	4.5265E-31	0.492142	hyper	sig	chr17_64779068
chr2	96500708	96500708	+	4.031E-33	4.5372E-31	0.392481	hyper	sig	chr2_96500708
chr8	13131724	13131724	+	4.034E-33	4.54E-31	0.40462	hyper	sig	chr8_13131724
chr13	19818410	19818410	+	4.043E-33	4.5494E-31	0.355431	hyper	sig	chr13_19818410
chr13	52845476	52845476	+	4.043E-33	4.5494E-31	0.380891	hyper	sig	chr13_52845476
chr1	20553124	20553124	+	4.053E-33	4.5596E-31	0.387497	hyper	sig	chr1_20553124
chr20	38807037	38807037	+	4.062E-33	4.5692E-31	0.280862	hyper	sig	chr20_38807037
chr20	63178422	63178422	+	4.114E-33	4.6265E-31	0.382848	hyper	sig	chr20_63178422
chr1	2.28E+08	228341212	+	4.15E-33	4.6663E-31	-0.42991	hypo	sig	chr1_228341212
chr11	66677013	66677013	+	4.155E-33	4.6712E-31	0.327439	hyper	sig	chr11_66677013
chr8	1.41E+08	141235025	+	4.16E-33	4.6763E-31	-0.4005	hypo	sig	chr8_141235025
chr1	2.01E+08	200892489	+	4.161E-33	4.6771E-31	-0.39811	hypo	sig	chr1_200892489
chr4	1.74E+08	173519427	+	4.166E-33	4.6825E-31	0.360756	hyper	sig	chr4_173519427
chr5	3590744	3590744	+	4.167E-33	4.6826E-31	0.397151	hyper	sig	chr5_3590744
chr8	49911670	49911670	+	4.176E-33	4.6924E-31	0.344842	hyper	sig	chr8_49911670
chr13	1.1E+08	110325634	+	4.183E-33	4.6992E-31	-0.34773	hypo	sig	chr13_110325634
chr6	7909409	7909409	+	4.196E-33	4.7128E-31	-0.27355	hypo	sig	chr6_7909409
chr7	56079564	56079564	+	4.204E-33	4.7214E-31	0.411234	hyper	sig	chr7_56079564
chr3	1.98E+08	198081801	+	4.226E-33	4.745E-31	0.408569	hyper	sig	chr3_198081801
chr14	24311351	24311351	+	4.236E-33	4.7558E-31	0.275133	hyper	sig	chr14_24311351

chr7	93890281	93890281	+	4.26E-33	4.7821E-31	0.343172	hyper	sig	chr7_93890281
chr8	26051869	26051869	+	4.261E-33	4.7831E-31	0.332647	hyper	sig	chr8_26051869
chr11	79189607	79189607	+	4.265E-33	4.7869E-31	-0.4148	hypo	sig	chr11_79189607
chr5	1.79E+08	178941439	+	4.278E-33	4.8007E-31	0.455202	hyper	sig	chr5_178941439
chr10	1.28E+08	127737694	+	4.283E-33	4.8053E-31	0.306208	hyper	sig	chr10_127737694
chr3	1.72E+08	172449130	+	4.294E-33	4.8175E-31	0.298773	hyper	sig	chr3_172449130
chr4	1337758	1337758	+	4.298E-33	4.8213E-31	-0.28845	hypo	sig	chr4_1337758
chr2	2.22E+08	222423918	+	4.309E-33	4.832E-31	-0.34791	hypo	sig	chr2_222423918
chr3	79768125	79768125	+	4.309E-33	4.832E-31	0.318154	hyper	sig	chr3_79768125
chr10	1214290	1214290	+	4.327E-33	4.8516E-31	-0.34845	hypo	sig	chr10_1214290
chr2	74415747	74415747	+	4.351E-33	4.8776E-31	0.348599	hyper	sig	chr2_74415747
chr10	70552248	70552248	+	4.354E-33	4.8801E-31	0.321034	hyper	sig	chr10_70552248
chr7	4127832	4127832	+	4.36E-33	4.8864E-31	-0.36208	hypo	sig	chr7_4127832
chr15	45704366	45704366	+	4.374E-33	4.902E-31	0.333103	hyper	sig	chr15_45704366
chr18	58255515	58255515	+	4.377E-33	4.9043E-31	0.3534	hyper	sig	chr18_58255515
chr3	49172788	49172788	+	4.385E-33	4.9123E-31	0.389487	hyper	sig	chr3_49172788
chr8	64371520	64371520	+	4.385E-33	4.9123E-31	0.321782	hyper	sig	chr8_64371520
chr8	66962007	66962007	+	4.418E-33	4.9482E-31	0.333894	hyper	sig	chr8_66962007
chr7	530005	530005	+	4.432E-33	4.9636E-31	-0.32034	hypo	sig	chr7_530005
chr6	1.49E+08	148965194	+	4.449E-33	4.9816E-31	-0.32676	hypo	sig	chr6_148965194
chr14	34713729	34713729	+	4.462E-33	4.995E-31	0.327933	hyper	sig	chr14_34713729
chr6	1.68E+08	167678345	+	4.47E-33	5.0035E-31	0.373325	hyper	sig	chr6_167678345
chr6	33076150	33076150	+	4.477E-33	5.0112E-31	-0.34638	hypo	sig	chr6_33076150
chr1	39671513	39671513	+	4.485E-33	5.0193E-31	0.366864	hyper	sig	chr1_39671513
chr12	1.2E+08	119803653	+	4.506E-33	5.0422E-31	0.37221	hyper	sig	chr12_119803653
chr13	1.13E+08	113495696	+	4.513E-33	5.0487E-31	0.341967	hyper	sig	chr13_113495696
chr7	27124263	27124263	+	4.516E-33	5.0518E-31	0.346107	hyper	sig	chr7_27124263
chr13	36154851	36154851	+	4.535E-33	5.0727E-31	0.34551	hyper	sig	chr13_36154851
chr6	1.67E+08	167153765	+	4.59E-33	5.1327E-31	-0.33156	hypo	sig	chr6_167153765
chr16	87127270	87127270	+	4.597E-33	5.14E-31	0.380785	hyper	sig	chr16_87127270
chr13	1.13E+08	113495672	+	4.614E-33	5.1582E-31	0.393531	hyper	sig	chr13_113495672
chr2	2.38E+08	237590815	+	4.638E-33	5.185E-31	-0.34457	hypo	sig	chr2_237590815
chr13	99959073	99959073	+	4.644E-33	5.191E-31	0.470896	hyper	sig	chr13_99959073
chr17	40451664	40451664	+	4.649E-33	5.1949E-31	0.370854	hyper	sig	chr17_40451664
chr17	40779731	40779731	+	4.656E-33	5.2027E-31	0.32867	hyper	sig	chr17_40779731
chr6	30111371	30111371	+	4.672E-33	5.2192E-31	-0.3642	hypo	sig	chr6_30111371
chr1	6034111	6034111	+	4.706E-33	5.2572E-31	0.337883	hyper	sig	chr1_6034111
chr19	44757178	44757178	+	4.713E-33	5.2639E-31	0.313171	hyper	sig	chr19_44757178
chr21	36708944	36708944	+	4.725E-33	5.2767E-31	0.27771	hyper	sig	chr21_36708944
chr13	93227417	93227417	+	4.756E-33	5.3107E-31	0.374555	hyper	sig	chr13_93227417
chr2	2.38E+08	238494340	+	4.774E-33	5.3299E-31	-0.39115	hypo	sig	chr2_238494340
chr3	61564866	61564866	+	4.79E-33	5.3472E-31	0.327356	hyper	sig	chr3_61564866
chr13	1.14E+08	114200364	+	4.792E-33	5.3483E-31	0.435174	hyper	sig	chr13_114200364
chr6	30127359	30127359	+	4.794E-33	5.3499E-31	0.352875	hyper	sig	chr6_30127359
chr13	1.12E+08	111974342	+	4.797E-33	5.3525E-31	0.440282	hyper	sig	chr13_111974342
chr11	31799529	31799529	+	4.807E-33	5.3634E-31	0.356886	hyper	sig	chr11_31799529
chr22	50045100	50045100	+	4.811E-33	5.3674E-31	-0.35001	hypo	sig	chr22_50045100
chr2	1665374	1665374	+	4.814E-33	5.3691E-31	-0.3894	hypo	sig	chr2_1665374
chr7	1.55E+08	155462431	+	4.837E-33	5.3947E-31	0.397771	hyper	sig	chr7_155462431
chr14	28778396	28778396	+	4.862E-33	5.4204E-31	0.343261	hyper	sig	chr14_28778396
chr14	1.02E+08	101781324	+	4.861E-33	5.4204E-31	0.362692	hyper	sig	chr14_101781324
chr10	1.01E+08	101139563	+	4.885E-33	5.4452E-31	0.378106	hyper	sig	chr10_101139563
chr3	1.88E+08	188052536	+	4.885E-33	5.4452E-31	0.421613	hyper	sig	chr3_188052536
chr8	96159090	96159090	+	4.888E-33	5.4472E-31	0.372679	hyper	sig	chr8_96159090
chr5	1.46E+08	146343167	+	4.895E-33	5.4546E-31	0.320482	hyper	sig	chr5_146343167
chr10	49679811	49679811	+	4.897E-33	5.4556E-31	0.394464	hyper	sig	chr10_49679811

chr5	45695737	45695737	+	4.903E-33	5.4618E-31	0.405204	hyper	sig	chr5_45695737
chr1	18631865	18631865	+	4.914E-33	5.4731E-31	0.352513	hyper	sig	chr1_18631865
chr14	51351777	51351777	+	4.928E-33	5.4885E-31	-0.32611	hypo	sig	chr14_51351777
chr19	36916349	36916349	+	4.956E-33	5.519E-31	0.223692	hyper	sig	chr19_36916349
chr12	1.1E+08	109790244	+	4.961E-33	5.5237E-31	-0.36234	hypo	sig	chr12_109790244
chr8	41262204	41262204	+	4.977E-33	5.5405E-31	-0.40202	hypo	sig	chr8_41262204
chr2	1.82E+08	181683970	+	5.021E-33	5.5886E-31	0.399906	hyper	sig	chr2_181683970
chr19	56643889	56643889	+	5.055E-33	5.6257E-31	0.405631	hyper	sig	chr19_56643889
chr4	1.74E+08	173524735	+	5.057E-33	5.6272E-31	0.432509	hyper	sig	chr4_173524735
chr10	1.33E+08	133241435	+	5.058E-33	5.628E-31	-0.28966	hypo	sig	chr10_133241435
chr15	89409095	89409095	+	5.065E-33	5.6349E-31	0.356959	hyper	sig	chr15_89409095
chr8	23225385	23225385	+	5.073E-33	5.643E-31	-0.20663	hypo	sig	chr8_23225385
chr7	4767402	4767402	+	5.084E-33	5.6543E-31	0.339707	hyper	sig	chr7_4767402
chr2	1.71E+08	170815283	+	5.09E-33	5.6604E-31	0.338574	hyper	sig	chr2_170815283
chr14	36663489	36663489	+	5.093E-33	5.6627E-31	0.337967	hyper	sig	chr14_36663489
chr1	1.55E+08	154970090	+	5.097E-33	5.6669E-31	0.3446	hyper	sig	chr1_154970090
chr18	32139955	32139955	+	5.131E-33	5.7033E-31	-0.38103	hypo	sig	chr18_32139955
chr5	1876285	1876285	+	5.134E-33	5.7057E-31	0.35	hyper	sig	chr5_1876285
chr7	1.04E+08	103990424	+	5.147E-33	5.7198E-31	0.311344	hyper	sig	chr7_103990424
chr6	30260409	30260409	+	5.151E-33	5.7237E-31	0.298037	hyper	sig	chr6_30260409
chr1	1.19E+08	118986015	+	5.17E-33	5.7436E-31	0.394532	hyper	sig	chr1_118986015
chr15	96778621	96778621	+	5.174E-33	5.7476E-31	-0.33448	hypo	sig	chr15_96778621
chr12	65877264	65877264	+	5.183E-33	5.7565E-31	0.377544	hyper	sig	chr12_65877264
chr1	53526892	53526892	+	5.193E-33	5.7657E-31	0.403864	hyper	sig	chr1_53526892
chr14	90455222	90455222	+	5.192E-33	5.7657E-31	0.341947	hyper	sig	chr14_90455222
chr16	29154625	29154625	+	5.198E-33	5.7706E-31	0.416322	hyper	sig	chr16_29154625
chr5	1.36E+08	136365523	+	5.201E-33	5.7735E-31	0.381967	hyper	sig	chr5_136365523
chr1	8212021	8212021	+	5.227E-33	5.8019E-31	-0.37631	hypo	sig	chr1_8212021
chr18	8708630	8708630	+	5.229E-33	5.8027E-31	0.282555	hyper	sig	chr18_8708630
chr5	1.81E+08	181173952	+	5.243E-33	5.817E-31	0.284768	hyper	sig	chr5_181173952
chr16	86504713	86504713	+	5.261E-33	5.8366E-31	0.37789	hyper	sig	chr16_86504713
chr13	23547319	23547319	+	5.283E-33	5.8609E-31	0.418387	hyper	sig	chr13_23547319
chr7	99558255	99558255	+	5.303E-33	5.8812E-31	0.215556	hyper	sig	chr7_99558255
chr4	54232235	54232235	+	5.308E-33	5.8863E-31	0.36036	hyper	sig	chr4_54232235
chr13	93227363	93227363	+	5.33E-33	5.9105E-31	0.403036	hyper	sig	chr13_93227363
chr6	98825281	98825281	+	5.344E-33	5.9245E-31	0.375506	hyper	sig	chr6_98825281
chr12	6824382	6824382	+	5.354E-33	5.9349E-31	-0.31906	hypo	sig	chr12_6824382
chr11	73325137	73325137	+	5.376E-33	5.9582E-31	0.340215	hyper	sig	chr11_73325137
chr8	1.42E+08	142173112	+	5.382E-33	5.9642E-31	-0.36118	hypo	sig	chr8_142173112
chr3	1.47E+08	147388749	+	5.391E-33	5.9739E-31	0.318345	hyper	sig	chr3_147388749
chr13	1.1E+08	109773456	+	5.468E-33	6.0585E-31	-0.41264	hypo	sig	chr13_109773456
chr11	22433041	22433041	+	5.536E-33	6.1331E-31	0.345596	hyper	sig	chr11_22433041
chr13	1.1E+08	110341198	+	5.538E-33	6.1342E-31	0.367821	hyper	sig	chr13_110341198
chr15	39582499	39582499	+	5.547E-33	6.1425E-31	0.477356	hyper	sig	chr15_39582499
chr22	50045082	50045082	+	5.547E-33	6.1425E-31	-0.35243	hypo	sig	chr22_50045082
chr2	2.38E+08	237886257	+	5.55E-33	6.1445E-31	0.367653	hyper	sig	chr2_237886257
chr1	2073821	2073821	+	5.556E-33	6.1504E-31	0.378567	hyper	sig	chr1_2073821
chr11	20669309	20669309	+	5.565E-33	6.1593E-31	0.417063	hyper	sig	chr11_20669309
chr17	80067634	80067634	+	5.593E-33	6.1896E-31	-0.31026	hypo	sig	chr17_80067634
chr5	1.51E+08	150946398	+	5.607E-33	6.2045E-31	0.396898	hyper	sig	chr5_150946398
chr13	46898294	46898294	+	5.615E-33	6.2129E-31	-0.36041	hypo	sig	chr13_46898294
chr12	4910704	4910704	+	5.619E-33	6.2157E-31	0.369452	hyper	sig	chr12_4910704
chr19	48480311	48480311	+	5.674E-33	6.2761E-31	0.316582	hyper	sig	chr19_48480311
chr2	63055531	63055531	+	5.687E-33	6.29E-31	0.434881	hyper	sig	chr2_63055531
chr10	3236182	3236182	+	5.698E-33	6.3005E-31	-0.51887	hypo	sig	chr10_3236182
chr19	19514546	19514546	+	5.708E-33	6.3108E-31	0.366465	hyper	sig	chr19_19514546

chr1	2.08E+08	207669878	+	5.713E-33	6.3158E-31	0.310797	hyper	sig	chr1_207669878
chr5	1003782	1003782	+	5.718E-33	6.3204E-31	-0.38291	hypo	sig	chr5_1003782
chr6	1E+08	100464082	+	5.729E-33	6.3322E-31	0.316858	hyper	sig	chr6_100464082
chr20	44810904	44810904	+	5.738E-33	6.3405E-31	0.312871	hyper	sig	chr20_44810904
chr5	1.5E+08	150082617	+	5.739E-33	6.3415E-31	-0.3955	hypo	sig	chr5_150082617
chr7	37448995	37448995	+	5.744E-33	6.3461E-31	0.275544	hyper	sig	chr7_37448995
chr17	35880659	35880659	+	5.769E-33	6.3722E-31	-0.37372	hypo	sig	chr17_35880659
chr1	2.43E+08	242525320	+	5.787E-33	6.3914E-31	0.333278	hyper	sig	chr1_242525320
chr21	36697650	36697650	+	5.799E-33	6.4042E-31	0.367169	hyper	sig	chr21_36697650
chr10	31757664	31757664	+	5.826E-33	6.4328E-31	0.349177	hyper	sig	chr10_31757664
chr17	43843144	43843144	+	5.83E-33	6.4363E-31	-0.3768	hypo	sig	chr17_43843144
chr19	56638072	56638072	+	5.84E-33	6.4467E-31	0.323563	hyper	sig	chr19_56638072
chr2	2.39E+08	239250064	+	5.847E-33	6.4532E-31	0.392188	hyper	sig	chr2_239250064
chr11	20669245	20669245	+	5.857E-33	6.4634E-31	0.405724	hyper	sig	chr11_20669245
chr1	3356028	3356028	+	5.878E-33	6.4856E-31	-0.40635	hypo	sig	chr1_3356028
chr16	29218878	29218878	+	5.879E-33	6.4856E-31	-0.398	hypo	sig	chr16_29218878
chr6	1E+08	100447596	+	5.884E-33	6.4908E-31	0.364947	hyper	sig	chr6_100447596
chr7	76259920	76259920	+	5.91E-33	6.518E-31	0.310948	hyper	sig	chr7_76259920
chr5	88678191	88678191	+	5.913E-33	6.5213E-31	0.423148	hyper	sig	chr5_88678191
chr14	47676385	47676385	+	5.93E-33	6.5382E-31	0.388725	hyper	sig	chr14_47676385
chr1	1.44E+08	143698922	+	5.943E-33	6.5524E-31	0.457944	hyper	sig	chr1_143698922
chr1	3217199	3217199	+	5.951E-33	6.5604E-31	0.400902	hyper	sig	chr1_3217199
chr1	85582902	85582902	+	5.952E-33	6.5604E-31	0.247556	hyper	sig	chr1_85582902
chr8	1.2E+08	120125273	+	5.955E-33	6.5631E-31	0.32447	hyper	sig	chr8_120125273
chr1	2.28E+08	228371299	+	5.961E-33	6.5681E-31	-0.46299	hypo	sig	chr1_228371299
chr20	21516070	21516070	+	5.968E-33	6.5754E-31	0.246233	hyper	sig	chr20_21516070
chr14	99215348	99215348	+	5.981E-33	6.5875E-31	0.393515	hyper	sig	chr14_99215348
chr16	67944542	67944542	+	5.98E-33	6.5875E-31	0.431523	hyper	sig	chr16_67944542
chr16	67163306	67163306	+	6.032E-33	6.6427E-31	0.352236	hyper	sig	chr16_67163306
chr10	1.01E+08	100744469	+	6.038E-33	6.6486E-31	0.345098	hyper	sig	chr10_100744469
chr12	6620582	6620582	+	6.051E-33	6.6613E-31	0.366607	hyper	sig	chr12_6620582
chr12	52244499	52244499	+	6.051E-33	6.6613E-31	-0.34091	hypo	sig	chr12_52244499
chr2	1.98E+08	197786854	+	6.057E-33	6.6669E-31	0.370337	hyper	sig	chr2_197786854
chr7	561646	561646	+	6.08E-33	6.6914E-31	0.293953	hyper	sig	chr7_561646
chr14	26598525	26598525	+	6.095E-33	6.7074E-31	0.279538	hyper	sig	chr14_26598525
chr19	46412519	46412519	+	6.126E-33	6.7398E-31	0.383305	hyper	sig	chr19_46412519
chr6	29554011	29554011	+	6.162E-33	6.7791E-31	0.380527	hyper	sig	chr6_29554011
chr8	1187004	1187004	+	6.184E-33	6.8024E-31	-0.28505	hypo	sig	chr8_1187004
chr5	73444741	73444741	+	6.193E-33	6.8112E-31	0.326792	hyper	sig	chr5_73444741
chr11	20669883	20669883	+	6.206E-33	6.8231E-31	0.409344	hyper	sig	chr11_20669883
chr20	46815055	46815055	+	6.205E-33	6.8231E-31	-0.28395	hypo	sig	chr20_46815055
chr4	52862809	52862809	+	6.212E-33	6.8298E-31	0.373341	hyper	sig	chr4_52862809
chr12	49974291	49974291	+	6.231E-33	6.8493E-31	0.419127	hyper	sig	chr12_49974291
chr10	1.32E+08	132204553	+	6.235E-33	6.8529E-31	-0.37318	hypo	sig	chr10_132204553
chr1	2.15E+08	214541581	+	6.256E-33	6.875E-31	0.227564	hyper	sig	chr1_214541581
chr5	33936202	33936202	+	6.261E-33	6.8791E-31	0.268349	hyper	sig	chr5_33936202
chr2	2.06E+08	205687139	+	6.267E-33	6.8845E-31	0.31379	hyper	sig	chr2_205687139
chr10	7666289	7666289	+	6.274E-33	6.8919E-31	0.272322	hyper	sig	chr10_7666289
chr19	15911753	15911753	+	6.276E-33	6.8928E-31	0.361197	hyper	sig	chr19_15911753
chr4	1.25E+08	125316185	+	6.304E-33	6.923E-31	0.31291	hyper	sig	chr4_125316185
chr1	16766025	16766025	+	6.309E-33	6.9272E-31	0.347135	hyper	sig	chr1_16766025
chr17	45262165	45262165	+	6.327E-33	6.9448E-31	0.255479	hyper	sig	chr17_45262165
chr19	53467763	53467763	+	6.327E-33	6.9448E-31	0.210025	hyper	sig	chr19_53467763
chr5	88602874	88602874	+	6.341E-33	6.9593E-31	-0.33088	hypo	sig	chr5_88602874
chr1	1.81E+08	181413798	+	6.35E-33	6.9683E-31	-0.34752	hypo	sig	chr1_181413798
chr20	63178420	63178420	+	6.354E-33	6.9719E-31	0.383757	hyper	sig	chr20_63178420

chr5	11903136	11903136	+	6.356E-33	6.973E-31	0.390213	hyper	sig	chr5_11903136
chr4	95548496	95548496	+	6.37E-33	6.9873E-31	0.24087	hyper	sig	chr4_95548496
chr1	44638228	44638228	+	6.379E-33	6.9969E-31	0.326173	hyper	sig	chr1_44638228
chr5	7983524	7983524	+	6.411E-33	7.0304E-31	-0.40249	hypo	sig	chr5_7983524
chr7	54542446	54542446	+	6.418E-33	7.0373E-31	0.257614	hyper	sig	chr7_54542446
chr5	1.41E+08	141366610	+	6.458E-33	7.0807E-31	0.321962	hyper	sig	chr5_141366610
chr1	3140076	3140076	+	6.495E-33	7.1197E-31	0.353894	hyper	sig	chr1_3140076
chr13	31945913	31945913	+	6.496E-33	7.1199E-31	-0.40625	hypo	sig	chr13_31945913
chr6	1.68E+08	167678356	+	6.515E-33	7.1397E-31	0.372734	hyper	sig	chr6_167678356
chr5	1.41E+08	141389456	+	6.548E-33	7.1751E-31	0.351961	hyper	sig	chr5_141389456
chr5	37838467	37838467	+	6.555E-33	7.1815E-31	0.30363	hyper	sig	chr5_37838467
chr2	1.45E+08	144517377	+	6.574E-33	7.2013E-31	0.254929	hyper	sig	chr2_144517377
chr13	1.13E+08	113098387	+	6.59E-33	7.2189E-31	0.349623	hyper	sig	chr13_113098387
chr21	36709758	36709758	+	6.596E-33	7.2242E-31	0.399019	hyper	sig	chr21_36709758
chr6	1.1E+08	110357761	+	6.609E-33	7.2378E-31	0.331914	hyper	sig	chr6_110357761
chr11	1.29E+08	128661417	+	6.622E-33	7.2506E-31	-0.39801	hypo	sig	chr11_128661417
chr2	1.42E+08	142130317	+	6.676E-33	7.309E-31	0.294675	hyper	sig	chr2_142130317
chr16	173402	173402	+	6.682E-33	7.3139E-31	0.381303	hyper	sig	chr16_173402
chr6	1.34E+08	133890138	+	6.712E-33	7.3462E-31	0.399675	hyper	sig	chr6_133890138
chr3	1.54E+08	154429045	+	6.731E-33	7.3657E-31	0.311413	hyper	sig	chr3_154429045
chr8	1552234	1552234	+	6.744E-33	7.3796E-31	0.430266	hyper	sig	chr8_1552234
chr2	1.09E+08	109129810	+	6.827E-33	7.4686E-31	0.318244	hyper	sig	chr2_109129810
chr8	64376642	64376642	+	6.828E-33	7.4687E-31	0.395488	hyper	sig	chr8_64376642
chr4	1.47E+08	146640604	+	6.831E-33	7.4715E-31	0.359767	hyper	sig	chr4_146640604
chr10	1.23E+08	123134235	+	6.835E-33	7.4747E-31	0.345926	hyper	sig	chr10_123134235
chr7	5304131	5304131	+	6.928E-33	7.5758E-31	-0.38429	hypo	sig	chr7_5304131
chr19	37507096	37507096	+	6.95E-33	7.5989E-31	0.252165	hyper	sig	chr19_37507096
chr17	79981706	79981706	+	6.999E-33	7.6506E-31	0.333002	hyper	sig	chr17_79981706
chr13	1.12E+08	111974394	+	7.037E-33	7.6909E-31	0.32718	hyper	sig	chr13_111974394
chr21	42668742	42668742	+	7.038E-33	7.6909E-31	0.323415	hyper	sig	chr21_42668742
chr13	1.14E+08	114049248	+	7.04E-33	7.6931E-31	-0.32969	hypo	sig	chr13_114049248
chr6	1.27E+08	127119700	+	7.042E-33	7.694E-31	0.270307	hyper	sig	chr6_127119700
chr6	28865572	28865572	+	7.045E-33	7.6963E-31	-0.42474	hypo	sig	chr6_28865572
chr5	77850995	77850995	+	7.081E-33	7.7347E-31	0.31137	hyper	sig	chr5_77850995
chr3	55470356	55470356	+	7.094E-33	7.7478E-31	-0.34946	hypo	sig	chr3_55470356
chr12	6636358	6636358	+	7.123E-33	7.7778E-31	-0.25494	hypo	sig	chr12_6636358
chr7	5495774	5495774	+	7.138E-33	7.7939E-31	0.389672	hyper	sig	chr7_5495774
chr12	1.17E+08	117033250	+	7.184E-33	7.8426E-31	0.393202	hyper	sig	chr12_117033250
chr13	93226997	93226997	+	7.186E-33	7.8436E-31	0.469524	hyper	sig	chr13_93226997
chr7	97018919	97018919	+	7.187E-33	7.8436E-31	0.367161	hyper	sig	chr7_97018919
chr19	7515312	7515312	+	7.192E-33	7.8473E-31	0.314111	hyper	sig	chr19_7515312
chr19	57351095	57351095	+	7.191E-33	7.8473E-31	0.228727	hyper	sig	chr19_57351095
chr1	15761482	15761482	+	7.195E-33	7.8495E-31	0.291291	hyper	sig	chr1_15761482
chr13	1.13E+08	113406002	+	7.2E-33	7.8542E-31	-0.39695	hypo	sig	chr13_113406002
chr19	48640147	48640147	+	7.233E-33	7.8887E-31	-0.44318	hypo	sig	chr19_48640147
chr5	32712133	32712133	+	7.268E-33	7.9253E-31	0.311106	hyper	sig	chr5_32712133
chr7	23247845	23247845	+	7.288E-33	7.9463E-31	0.286593	hyper	sig	chr7_23247845
chr19	49436717	49436717	+	7.345E-33	8.0076E-31	0.309408	hyper	sig	chr19_49436717
chr14	28778409	28778409	+	7.365E-33	8.0279E-31	0.314005	hyper	sig	chr14_28778409
chr10	27746831	27746831	+	7.381E-33	8.0448E-31	0.313201	hyper	sig	chr10_27746831
chr6	1.27E+08	127119675	+	7.384E-33	8.0471E-31	0.296922	hyper	sig	chr6_127119675
chr5	14441003	14441003	+	7.451E-33	8.119E-31	0.448048	hyper	sig	chr5_14441003
chr7	1.58E+08	157553923	+	7.465E-33	8.1335E-31	-0.38977	hypo	sig	chr7_157553923
chr5	1.81E+08	180606626	+	7.476E-33	8.144E-31	-0.41249	hypo	sig	chr5_180606626
chr13	1.13E+08	113109865	+	7.496E-33	8.1635E-31	0.501339	hyper	sig	chr13_113109865
chr14	1.04E+08	103534186	+	7.496E-33	8.1635E-31	0.387152	hyper	sig	chr14_103534186

chr8	54466474	54466474	+	7.577E-33	8.2507E-31	0.444709	hyper	sig	chr8_54466474
chr16	2127211	2127211	+	7.586E-33	8.2597E-31	0.246853	hyper	sig	chr16_2127211
chr2	1.28E+08	127665141	+	7.597E-33	8.2698E-31	0.286797	hyper	sig	chr2_127665141
chr22	48549806	48549806	+	7.643E-33	8.3183E-31	-0.40166	hypo	sig	chr22_48549806
chr8	72251633	72251633	+	7.643E-33	8.3183E-31	0.318644	hyper	sig	chr8_72251633
chr8	64379716	64379716	+	7.723E-33	8.4043E-31	0.343472	hyper	sig	chr8_64379716
chr21	43924644	43924644	+	7.785E-33	8.4707E-31	-0.25075	hypo	sig	chr21_43924644
chr20	63178433	63178433	+	7.787E-33	8.4712E-31	0.382184	hyper	sig	chr20_63178433
chr1	2.29E+08	229407326	+	7.808E-33	8.4924E-31	0.446664	hyper	sig	chr1_229407326
chr20	32457301	32457301	+	7.809E-33	8.4928E-31	0.465116	hyper	sig	chr20_32457301
chr11	68928064	68928064	+	7.847E-33	8.5334E-31	0.362871	hyper	sig	chr11_68928064
chr6	1.46E+08	146029264	+	7.855E-33	8.5402E-31	0.355702	hyper	sig	chr6_146029264
chr17	64779884	64779884	+	7.864E-33	8.5492E-31	0.432872	hyper	sig	chr17_64779884
chr8	2090076	2090076	+	7.868E-33	8.5527E-31	-0.38528	hypo	sig	chr8_2090076
chr17	75646423	75646423	+	7.875E-33	8.5585E-31	-0.3361	hypo	sig	chr17_75646423
chr3	1.7E+08	169822791	+	7.877E-33	8.5604E-31	-0.45643	hypo	sig	chr3_169822791
chr7	88758930	88758930	+	7.9E-33	8.5833E-31	0.37126	hyper	sig	chr7_88758930
chr6	42727320	42727320	+	7.946E-33	8.633E-31	0.443762	hyper	sig	chr6_42727320
chr13	1.13E+08	113098262	+	7.963E-33	8.6496E-31	0.317253	hyper	sig	chr13_113098262
chr13	1.08E+08	107868227	+	7.964E-33	8.6497E-31	0.340083	hyper	sig	chr13_107868227
chr19	39892114	39892114	+	8.012E-33	8.7003E-31	0.322645	hyper	sig	chr19_39892114
chr17	76700722	76700722	+	8.027E-33	8.7155E-31	0.336516	hyper	sig	chr17_76700722
chr16	17469103	17469103	+	8.051E-33	8.741E-31	0.312441	hyper	sig	chr16_17469103
chr11	72577226	72577226	+	8.115E-33	8.8096E-31	-0.37168	hypo	sig	chr11_72577226
chr2	1.71E+08	170815293	+	8.122E-33	8.8158E-31	0.353058	hyper	sig	chr2_170815293
chr1	1.98E+08	197913728	+	8.133E-33	8.8263E-31	0.302638	hyper	sig	chr1_197913728
chr20	21519421	21519421	+	8.138E-33	8.8306E-31	0.323029	hyper	sig	chr20_21519421
chr8	11347324	11347324	+	8.187E-33	8.8824E-31	0.414253	hyper	sig	chr8_11347324
chr2	25252977	25252977	+	8.189E-33	8.8837E-31	0.375657	hyper	sig	chr2_25252977
chr8	11806075	11806075	+	8.191E-33	8.8849E-31	-0.41276	hypo	sig	chr8_11806075
chr8	1.08E+08	108082087	+	8.234E-33	8.9296E-31	0.384728	hyper	sig	chr8_108082087
chr5	1.29E+08	128538018	+	8.29E-33	8.9891E-31	0.367659	hyper	sig	chr5_128538018
chr19	58350697	58350697	+	8.333E-33	9.0347E-31	0.406718	hyper	sig	chr19_58350697
chr6	22294513	22294513	+	8.358E-33	9.0612E-31	0.291326	hyper	sig	chr6_22294513
chr16	1531111	1531111	+	8.393E-33	9.0973E-31	0.37891	hyper	sig	chr16_1531111
chr8	1.13E+08	113432849	+	8.431E-33	9.138E-31	0.282687	hyper	sig	chr8_113432849
chr16	85366186	85366186	+	8.433E-33	9.1388E-31	0.332355	hyper	sig	chr16_85366186
chr3	12938702	12938702	+	8.445E-33	9.1508E-31	0.392313	hyper	sig	chr3_12938702
chr15	83283952	83283952	+	8.515E-33	9.2246E-31	0.384972	hyper	sig	chr15_83283952
chr7	37449012	37449012	+	8.523E-33	9.2322E-31	0.276734	hyper	sig	chr7_37449012
chr7	88760069	88760069	+	8.544E-33	9.2537E-31	0.366383	hyper	sig	chr7_88760069
chr16	85741774	85741774	+	8.547E-33	9.2555E-31	-0.30686	hypo	sig	chr16_85741774
chr2	94998510	94998510	+	8.557E-33	9.2654E-31	0.406309	hyper	sig	chr2_94998510
chr19	52536224	52536224	+	8.6E-33	9.3111E-31	0.351568	hyper	sig	chr19_52536224
chr12	1.14E+08	114405491	+	8.615E-33	9.3254E-31	0.301973	hyper	sig	chr12_114405491
chr17	80178216	80178216	+	8.654E-33	9.3659E-31	-0.37839	hypo	sig	chr17_80178216
chr5	1.73E+08	172748698	+	8.654E-33	9.3659E-31	0.38631	hyper	sig	chr5_172748698
chr5	44389734	44389734	+	8.68E-33	9.3925E-31	0.358318	hyper	sig	chr5_44389734
chr8	56445734	56445734	+	8.684E-33	9.3949E-31	0.323517	hyper	sig	chr8_56445734
chr17	18188348	18188348	+	8.693E-33	9.4041E-31	0.299784	hyper	sig	chr17_18188348
chr1	45623371	45623371	+	8.706E-33	9.4162E-31	0.341786	hyper	sig	chr1_45623371
chr7	35257357	35257357	+	8.711E-33	9.4213E-31	0.306648	hyper	sig	chr7_35257357
chr12	1.33E+08	132909207	+	8.739E-33	9.4502E-31	0.235297	hyper	sig	chr12_132909207
chr13	42562797	42562797	+	8.779E-33	9.492E-31	-0.34134	hypo	sig	chr13_42562797
chr7	1.55E+08	155462571	+	8.849E-33	9.5664E-31	0.351016	hyper	sig	chr7_155462571
chr7	1.03E+08	103149959	+	8.902E-33	9.622E-31	-0.32937	hypo	sig	chr7_103149959

chr5	1.29E+08	128536344	+	8.909E-33	9.6285E-31	0.301378	hyper	sig	chr5_128536344
chr1	14599476	14599476	+	8.952E-33	9.6737E-31	0.331373	hyper	sig	chr1_14599476
chr5	1.67E+08	166784709	+	8.955E-33	9.6757E-31	-0.37701	hypo	sig	chr5_166784709
chr8	52564985	52564985	+	8.956E-33	9.6758E-31	0.327525	hyper	sig	chr8_52564985
chr5	1.56E+08	155729559	+	8.983E-33	9.7037E-31	0.355506	hyper	sig	chr5_155729559
chr2	2.39E+08	238523704	+	9.002E-33	9.7222E-31	0.411116	hyper	sig	chr2_238523704
chr13	52848593	52848593	+	9.078E-33	9.8033E-31	0.292256	hyper	sig	chr13_52848593
chr2	1E+08	100426555	+	9.083E-33	9.8071E-31	-0.34875	hypo	sig	chr2_100426555
chr11	46349199	46349199	+	9.104E-33	9.8291E-31	-0.29448	hypo	sig	chr11_46349199
chr7	1.37E+08	136868851	+	9.121E-33	9.8455E-31	0.322822	hyper	sig	chr7_136868851
chr14	1.05E+08	104844701	+	9.137E-33	9.862E-31	0.291716	hyper	sig	chr14_104844701
chr1	50428058	50428058	+	9.173E-33	9.8998E-31	0.28793	hyper	sig	chr1_50428058
chr19	9214724	9214724	+	9.2E-33	9.9267E-31	-0.41224	hypo	sig	chr19_9214724
chr15	93307954	93307954	+	9.261E-33	9.9914E-31	-0.34585	hypo	sig	chr15_93307954
chr1	2.08E+08	207645576	+	9.29E-33	1.0021E-30	0.368779	hyper	sig	chr1_207645576
chr7	4810730	4810730	+	9.309E-33	1.0041E-30	-0.35211	hypo	sig	chr7_4810730
chr11	44311054	44311054	+	9.336E-33	1.0069E-30	0.262424	hyper	sig	chr11_44311054
chr17	41583291	41583291	+	9.358E-33	1.0089E-30	-0.31628	hypo	sig	chr17_41583291
chr19	36916121	36916121	+	9.358E-33	1.0089E-30	0.236328	hyper	sig	chr19_36916121
chr13	1.12E+08	112183153	+	9.416E-33	1.0151E-30	-0.39829	hypo	sig	chr13_112183153
chr17	82243485	82243485	+	9.421E-33	1.0155E-30	0.340023	hyper	sig	chr17_82243485
chr4	1.77E+08	176792154	+	9.428E-33	1.0161E-30	0.332894	hyper	sig	chr4_176792154
chr13	1.12E+08	112067408	+	9.432E-33	1.0165E-30	0.285817	hyper	sig	chr13_112067408
chr13	25468478	25468478	+	9.459E-33	1.0192E-30	0.369944	hyper	sig	chr13_25468478
chr16	4371485	4371485	+	9.464E-33	1.0195E-30	0.335269	hyper	sig	chr16_4371485
chr13	24932053	24932053	+	9.525E-33	1.026E-30	0.340722	hyper	sig	chr13_24932053
chr11	507970	507970	+	9.537E-33	1.0272E-30	0.358131	hyper	sig	chr11_507970
chr7	1.29E+08	128783511	+	9.56E-33	1.0295E-30	0.39379	hyper	sig	chr7_128783511
chr7	50396963	50396963	+	9.573E-33	1.0308E-30	-0.3563	hypo	sig	chr7_50396963
chr5	88659821	88659821	+	9.582E-33	1.0316E-30	0.303289	hyper	sig	chr5_88659821
chr2	492900	492900	+	9.6E-33	1.0334E-30	-0.36531	hypo	sig	chr2_492900
chr14	37602117	37602117	+	9.603E-33	1.0336E-30	0.324799	hyper	sig	chr14_37602117
chr19	39264478	39264478	+	9.61E-33	1.0342E-30	0.439269	hyper	sig	chr19_39264478
chr4	1.53E+08	152643501	+	9.613E-33	1.0344E-30	-0.27208	hypo	sig	chr4_152643501
chr19	4556047	4556047	+	9.628E-33	1.0359E-30	-0.47822	hypo	sig	chr19_4556047
chr2	467884	467884	+	9.656E-33	1.0388E-30	0.355477	hyper	sig	chr2_467884
chr8	96159755	96159755	+	9.673E-33	1.0405E-30	0.341808	hyper	sig	chr8_96159755
chr7	1.37E+08	136868935	+	9.703E-33	1.0435E-30	0.326031	hyper	sig	chr7_136868935
chr12	84911916	84911916	+	9.714E-33	1.0446E-30	0.233423	hyper	sig	chr12_84911916
chr12	48528601	48528601	+	9.745E-33	1.0478E-30	-0.31967	hypo	sig	chr12_48528601
chr1	1.59E+08	159440212	+	9.747E-33	1.0479E-30	-0.2816	hypo	sig	chr1_159440212
chr8	64587348	64587348	+	9.755E-33	1.0485E-30	0.367037	hyper	sig	chr8_64587348
chr19	57727635	57727635	+	9.804E-33	1.0537E-30	0.251612	hyper	sig	chr19_57727635
chr11	1.25E+08	125101783	+	9.814E-33	1.0543E-30	0.355023	hyper	sig	chr11_125101783
chr17	41625761	41625761	+	9.813E-33	1.0543E-30	-0.33196	hypo	sig	chr17_41625761
chr6	1.09E+08	108953242	+	9.812E-33	1.0543E-30	0.364009	hyper	sig	chr6_108953242
chr11	2287359	2287359	+	9.82E-33	1.0548E-30	0.341087	hyper	sig	chr11_2287359
chr15	77584315	77584315	+	9.832E-33	1.056E-30	-0.31437	hypo	sig	chr15_77584315
chr14	1.01E+08	101064587	+	9.846E-33	1.0574E-30	-0.3898	hypo	sig	chr14_101064587
chr14	20435429	20435429	+	9.903E-33	1.0634E-30	0.4441	hyper	sig	chr14_20435429
chr4	3766855	3766855	+	9.988E-33	1.0723E-30	0.34129	hyper	sig	chr4_3766855
chr10	22345316	22345316	+	1E-32	1.0736E-30	0.359623	hyper	sig	chr10_22345316
chr13	21319138	21319138	+	1.004E-32	1.0775E-30	0.430288	hyper	sig	chr13_21319138
chr6	2986609	2986609	+	1.004E-32	1.0776E-30	-0.29598	hypo	sig	chr6_2986609
chr12	34165562	34165562	+	1.005E-32	1.0787E-30	-0.40526	hypo	sig	chr12_34165562
chr16	89817677	89817677	+	1.007E-32	1.0802E-30	-0.30791	hypo	sig	chr16_89817677

chr6	1.33E+08	133242641	+	1.007E-32	1.0802E-30	0.312387	hyper	sig	chr6_133242641
chr2	1.19E+08	119156993	+	1.008E-32	1.081E-30	0.3642	hyper	sig	chr2_119156993
chr7	19118315	19118315	+	1.012E-32	1.0858E-30	0.37631	hyper	sig	chr7_19118315
chr1	1.77E+08	177170990	+	1.014E-32	1.087E-30	0.271221	hyper	sig	chr1_177170990
chr1	1.19E+08	119000482	+	1.02E-32	1.0933E-30	0.346931	hyper	sig	chr1_119000482
chr9	1.34E+08	133607805	+	1.02E-32	1.0936E-30	-0.3208	hypo	sig	chr9_133607805
chr13	38688010	38688010	+	1.029E-32	1.1031E-30	0.338974	hyper	sig	chr13_38688010
chr1	40754463	40754463	+	1.03E-32	1.1035E-30	0.258744	hyper	sig	chr1_40754463
chr7	1.22E+08	122310872	+	1.03E-32	1.1035E-30	0.346314	hyper	sig	chr7_122310872
chr6	30163655	30163655	+	1.032E-32	1.1055E-30	-0.44577	hypo	sig	chr6_30163655
chr1	45623357	45623357	+	1.033E-32	1.107E-30	0.379475	hyper	sig	chr1_45623357
chr2	1691498	1691498	+	1.039E-32	1.1133E-30	-0.38602	hypo	sig	chr2_1691498
chr3	198432	198432	+	1.05E-32	1.1243E-30	0.406198	hyper	sig	chr3_198432
chr11	8018910	8018910	+	1.052E-32	1.127E-30	0.322207	hyper	sig	chr11_8018910
chr6	50707803	50707803	+	1.058E-32	1.1324E-30	0.3042	hyper	sig	chr6_50707803
chr7	32318933	32318933	+	1.058E-32	1.1324E-30	0.353372	hyper	sig	chr7_32318933
chr10	1.01E+08	101306614	+	1.06E-32	1.1344E-30	-0.38998	hypo	sig	chr10_101306614
chr9	97852625	97852625	+	1.06E-32	1.1344E-30	0.423529	hyper	sig	chr9_97852625
chr11	20671245	20671245	+	1.063E-32	1.1376E-30	0.304904	hyper	sig	chr11_20671245
chr19	17691824	17691824	+	1.064E-32	1.1382E-30	-0.35108	hypo	sig	chr19_17691824
chr6	99602915	99602915	+	1.065E-32	1.1397E-30	0.290149	hyper	sig	chr6_99602915
chr10	6191719	6191719	+	1.068E-32	1.1429E-30	0.256448	hyper	sig	chr10_6191719
chr7	27143978	27143978	+	1.069E-32	1.1433E-30	0.340774	hyper	sig	chr7_27143978
chr10	73932469	73932469	+	1.072E-32	1.147E-30	-0.4097	hypo	sig	chr10_73932469
chr11	57181829	57181829	+	1.074E-32	1.1488E-30	-0.37485	hypo	sig	chr11_57181829
chr8	1.41E+08	141230970	+	1.074E-32	1.1488E-30	-0.51009	hypo	sig	chr8_141230970
chr11	8018940	8018940	+	1.078E-32	1.152E-30	0.255196	hyper	sig	chr11_8018940
chr1	2.01E+08	201469625	+	1.082E-32	1.1567E-30	0.313679	hyper	sig	chr1_201469625
chr4	1.84E+08	183917047	+	1.086E-32	1.1607E-30	-0.32043	hypo	sig	chr4_183917047
chr2	1.28E+08	127681824	+	1.093E-32	1.1674E-30	0.371602	hyper	sig	chr2_127681824
chr15	99110089	99110089	+	1.096E-32	1.1709E-30	0.385755	hyper	sig	chr15_99110089
chr1	1.44E+08	143652846	+	1.099E-32	1.1738E-30	0.464036	hyper	sig	chr1_143652846
chr9	1.24E+08	124487289	+	1.1E-32	1.1746E-30	0.396326	hyper	sig	chr9_124487289
chr12	43552460	43552460	+	1.105E-32	1.1804E-30	0.355655	hyper	sig	chr12_43552460
chr11	15938364	15938364	+	1.115E-32	1.1905E-30	0.320705	hyper	sig	chr11_15938364
chr2	2.39E+08	239311381	+	1.116E-32	1.1914E-30	0.278761	hyper	sig	chr2_239311381
chr7	45921701	45921701	+	1.123E-32	1.1985E-30	0.308337	hyper	sig	chr7_45921701
chr19	57351105	57351105	+	1.123E-32	1.1989E-30	0.241037	hyper	sig	chr19_57351105
chr11	1.33E+08	133079635	+	1.125E-32	1.2001E-30	-0.41814	hypo	sig	chr11_133079635
chr3	1.47E+08	147397292	+	1.13E-32	1.2055E-30	0.329695	hyper	sig	chr3_147397292
chr11	1.17E+08	117199776	+	1.132E-32	1.2079E-30	0.330337	hyper	sig	chr11_117199776
chr20	63657608	63657608	+	1.133E-32	1.2084E-30	0.314164	hyper	sig	chr20_63657608
chr17	82243423	82243423	+	1.133E-32	1.2091E-30	0.33594	hyper	sig	chr17_82243423
chr12	53966685	53966685	+	1.134E-32	1.2094E-30	0.377244	hyper	sig	chr12_53966685
chr1	2.23E+08	223031946	+	1.136E-32	1.2117E-30	-0.40731	hypo	sig	chr1_223031946
chr2	1.19E+08	118859218	+	1.142E-32	1.2173E-30	0.307601	hyper	sig	chr2_118859218
chr2	2.39E+08	239275441	+	1.144E-32	1.2192E-30	-0.32247	hypo	sig	chr2_239275441
chr11	20597554	20597554	+	1.144E-32	1.2193E-30	0.365615	hyper	sig	chr11_20597554
chr9	95459348	95459348	+	1.146E-32	1.2213E-30	0.328081	hyper	sig	chr9_95459348
chr12	2244338	2244338	+	1.152E-32	1.2275E-30	0.343803	hyper	sig	chr12_2244338
chr7	97021967	97021967	+	1.152E-32	1.2277E-30	0.488676	hyper	sig	chr7_97021967
chr22	29479953	29479953	+	1.157E-32	1.2323E-30	0.439687	hyper	sig	chr22_29479953
chr6	1.67E+08	167286490	+	1.16E-32	1.2355E-30	-0.28903	hypo	sig	chr6_167286490
chr8	53877975	53877975	+	1.16E-32	1.2356E-30	0.304613	hyper	sig	chr8_53877975
chr11	95150310	95150310	+	1.161E-32	1.2367E-30	-0.36712	hypo	sig	chr11_95150310
chr19	6670127	6670127	+	1.163E-32	1.2382E-30	-0.3857	hypo	sig	chr19_6670127

chr8	2090022	2090022	+	1.17E-32	1.2459E-30	-0.41847	hypo	sig	chr8_2090022
chr15	90004792	90004792	+	1.171E-32	1.2471E-30	-0.39397	hypo	sig	chr15_90004792
chr6	1.69E+08	169430557	+	1.183E-32	1.2595E-30	-0.4257	hypo	sig	chr6_169430557
chr2	31581165	31581165	+	1.187E-32	1.2634E-30	0.423641	hyper	sig	chr2_31581165
chr7	1.56E+08	155824720	+	1.19E-32	1.2667E-30	-0.32198	hypo	sig	chr7_155824720
chr7	3302100	3302100	+	1.197E-32	1.2739E-30	0.306853	hyper	sig	chr7_3302100
chr10	35216671	35216671	+	1.205E-32	1.2825E-30	-0.27042	hypo	sig	chr10_35216671
chr1	26351609	26351609	+	1.209E-32	1.2858E-30	-0.34208	hypo	sig	chr1_26351609
chr13	1.1E+08	110306708	+	1.209E-32	1.2863E-30	0.430449	hyper	sig	chr13_110306708
chr3	1.85E+08	184583451	+	1.21E-32	1.2864E-30	0.38383	hyper	sig	chr3_184583451
chr1	90834838	90834838	+	1.214E-32	1.2913E-30	0.312271	hyper	sig	chr1_90834838
chr19	7873711	7873711	+	1.222E-32	1.2997E-30	0.300085	hyper	sig	chr19_7873711
chr5	1.41E+08	141366612	+	1.228E-32	1.3049E-30	0.32201	hyper	sig	chr5_141366612
chr10	1.33E+08	133231352	+	1.231E-32	1.308E-30	0.3266	hyper	sig	chr10_133231352
chr5	846485	846485	+	1.231E-32	1.3086E-30	-0.38507	hypo	sig	chr5_846485
chr1	1.65E+08	165354461	+	1.234E-32	1.3111E-30	0.38285	hyper	sig	chr1_165354461
chr15	26965143	26965143	+	1.237E-32	1.3137E-30	-0.36239	hypo	sig	chr15_26965143
chr11	61566926	61566926	+	1.238E-32	1.3151E-30	-0.33634	hypo	sig	chr11_61566926
chr4	1.88E+08	187765609	+	1.238E-32	1.3154E-30	-0.35377	hypo	sig	chr4_187765609
chr12	1.3E+08	130336955	+	1.24E-32	1.3169E-30	-0.32955	hypo	sig	chr12_130336955
chr19	6659946	6659946	+	1.24E-32	1.3171E-30	0.438347	hyper	sig	chr19_6659946
chr19	37551160	37551160	+	1.244E-32	1.3206E-30	0.379706	hyper	sig	chr19_37551160
chr5	42953475	42953475	+	1.247E-32	1.3233E-30	0.393515	hyper	sig	chr5_42953475
chr11	69817281	69817281	+	1.248E-32	1.3251E-30	0.325376	hyper	sig	chr11_69817281
chr8	48543723	48543723	+	1.25E-32	1.3266E-30	-0.3585	hypo	sig	chr8_48543723
chr7	45921695	45921695	+	1.252E-32	1.3284E-30	0.334271	hyper	sig	chr7_45921695
chr1	2.27E+08	227491898	+	1.257E-32	1.3336E-30	-0.36489	hypo	sig	chr1_227491898
chr17	82795361	82795361	+	1.257E-32	1.334E-30	0.312527	hyper	sig	chr17_82795361
chr22	46374162	46374162	+	1.258E-32	1.3345E-30	-0.37428	hypo	sig	chr22_46374162
chr16	50697204	50697204	+	1.26E-32	1.3361E-30	-0.33829	hypo	sig	chr16_50697204
chr12	1.2E+08	119804139	+	1.261E-32	1.3372E-30	0.377168	hyper	sig	chr12_119804139
chr11	40293884	40293884	+	1.264E-32	1.3399E-30	0.330336	hyper	sig	chr11_40293884
chr5	64506550	64506550	+	1.265E-32	1.3408E-30	0.299989	hyper	sig	chr5_64506550
chr2	1.64E+08	163736045	+	1.274E-32	1.3505E-30	0.33166	hyper	sig	chr2_163736045
chr10	1.01E+08	101132743	+	1.278E-32	1.3542E-30	0.439443	hyper	sig	chr10_101132743
chr13	53202174	53202174	+	1.284E-32	1.3604E-30	0.396825	hyper	sig	chr13_53202174
chr3	1.47E+08	147424366	+	1.285E-32	1.3611E-30	0.3185	hyper	sig	chr3_147424366
chr6	1.17E+08	116765833	+	1.287E-32	1.3635E-30	0.260702	hyper	sig	chr6_116765833
chr12	84155362	84155362	+	1.292E-32	1.3682E-30	-0.38315	hypo	sig	chr12_84155362
chr3	1.38E+08	137761976	+	1.294E-32	1.3705E-30	0.407834	hyper	sig	chr3_137761976
chr6	28775804	28775804	+	1.294E-32	1.3709E-30	0.315642	hyper	sig	chr6_28775804
chr14	1.05E+08	104605018	+	1.295E-32	1.3709E-30	0.354784	hyper	sig	chr14_104605018
chr3	1.56E+08	156291700	+	1.295E-32	1.371E-30	0.270747	hyper	sig	chr3_156291700
chr8	49910564	49910564	+	1.295E-32	1.3712E-30	0.286576	hyper	sig	chr8_49910564
chr19	55087481	55087481	+	1.3E-32	1.3758E-30	0.356413	hyper	sig	chr19_55087481
chr5	1.71E+08	171309197	+	1.301E-32	1.3766E-30	0.337357	hyper	sig	chr5_171309197
chr8	56445742	56445742	+	1.303E-32	1.3789E-30	0.326592	hyper	sig	chr8_56445742
chr4	15787759	15787759	+	1.305E-32	1.3811E-30	-0.28538	hypo	sig	chr4_15787759
chr16	85586368	85586368	+	1.309E-32	1.3846E-30	0.343409	hyper	sig	chr16_85586368
chr3	10357755	10357755	+	1.31E-32	1.3855E-30	-0.36764	hypo	sig	chr3_10357755
chr11	45209659	45209659	+	1.315E-32	1.3906E-30	0.312269	hyper	sig	chr11_45209659
chr2	1.82E+08	181682870	+	1.318E-32	1.3935E-30	0.446683	hyper	sig	chr2_181682870
chr6	30171765	30171765	+	1.33E-32	1.4064E-30	0.328298	hyper	sig	chr6_30171765
chr12	64826512	64826512	+	1.335E-32	1.411E-30	0.244124	hyper	sig	chr12_64826512
chr13	52845461	52845461	+	1.335E-32	1.4113E-30	0.379898	hyper	sig	chr13_52845461
chr6	436603	436603	+	1.335E-32	1.4115E-30	-0.42987	hypo	sig	chr6_436603

chr20	49486937	49486937	+	1.338E-32	1.4139E-30	-0.32049	hypo	sig	chr20_49486937
chr1	1.65E+08	164576929	+	1.348E-32	1.4249E-30	0.458333	hyper	sig	chr1_164576929
chr19	38975293	38975293	+	1.351E-32	1.4275E-30	0.339587	hyper	sig	chr19_38975293
chr7	1040905	1040905	+	1.353E-32	1.4295E-30	0.347843	hyper	sig	chr7_1040905
chr6	28635150	28635150	+	1.355E-32	1.4311E-30	0.236873	hyper	sig	chr6_28635150
chr16	86504818	86504818	+	1.358E-32	1.4339E-30	0.341418	hyper	sig	chr16_86504818
chr7	97024374	97024374	+	1.358E-32	1.4344E-30	0.38881	hyper	sig	chr7_97024374
chr2	91443072	91443072	+	1.366E-32	1.4419E-30	0.36504	hyper	sig	chr2_91443072
chr10	1.28E+08	127737626	+	1.366E-32	1.442E-30	0.314664	hyper	sig	chr10_127737626
chr3	1.94E+08	194376496	+	1.369E-32	1.4448E-30	-0.29149	hypo	sig	chr3_194376496
chr5	1.41E+08	141355460	+	1.369E-32	1.4448E-30	0.351196	hyper	sig	chr5_141355460
chr6	84772852	84772852	+	1.369E-32	1.4449E-30	0.385172	hyper	sig	chr6_84772852
chr5	3602191	3602191	+	1.372E-32	1.4474E-30	0.353253	hyper	sig	chr5_3602191
chr16	73064835	73064835	+	1.378E-32	1.4542E-30	-0.31199	hypo	sig	chr16_73064835
chr2	2.38E+08	238231699	+	1.379E-32	1.4553E-30	0.24823	hyper	sig	chr2_238231699
chr2	1.06E+08	106343422	+	1.388E-32	1.464E-30	-0.40885	hypo	sig	chr2_106343422
chr10	7408443	7408443	+	1.389E-32	1.4646E-30	0.318102	hyper	sig	chr10_7408443
chr11	32433416	32433416	+	1.391E-32	1.4667E-30	0.335263	hyper	sig	chr11_32433416
chr16	86507874	86507874	+	1.393E-32	1.4683E-30	0.390178	hyper	sig	chr16_86507874
chr22	45162536	45162536	+	1.393E-32	1.4684E-30	-0.41655	hypo	sig	chr22_45162536
chr19	22010607	22010607	+	1.396E-32	1.4714E-30	0.335079	hyper	sig	chr19_22010607
chr7	97018553	97018553	+	1.399E-32	1.4747E-30	0.459096	hyper	sig	chr7_97018553
chr7	772123	772123	+	1.411E-32	1.4868E-30	0.27005	hyper	sig	chr7_772123
chr8	37798759	37798759	+	1.412E-32	1.4879E-30	0.356245	hyper	sig	chr8_37798759
chr20	62476349	62476349	+	1.412E-32	1.4879E-30	0.351703	hyper	sig	chr20_62476349
chr8	1.44E+08	144049674	+	1.425E-32	1.5007E-30	0.228929	hyper	sig	chr8_144049674
chr11	1888426	1888426	+	1.43E-32	1.5065E-30	-0.44554	hypo	sig	chr11_1888426
chr2	2.08E+08	208407201	+	1.441E-32	1.5177E-30	0.297111	hyper	sig	chr2_208407201
chr12	57619712	57619712	+	1.45E-32	1.5267E-30	-0.27881	hypo	sig	chr12_57619712
chr9	1.34E+08	133565696	+	1.451E-32	1.5276E-30	0.382141	hyper	sig	chr9_133565696
chr13	1.12E+08	111974201	+	1.452E-32	1.5283E-30	0.365042	hyper	sig	chr13_111974201
chr19	48556232	48556232	+	1.456E-32	1.5324E-30	-0.42917	hypo	sig	chr19_48556232
chr11	44466944	44466944	+	1.456E-32	1.5328E-30	0.314369	hyper	sig	chr11_44466944
chr19	53963229	53963229	+	1.46E-32	1.5364E-30	0.456268	hyper	sig	chr19_53963229
chr14	36513494	36513494	+	1.464E-32	1.5405E-30	0.34178	hyper	sig	chr14_36513494
chr2	1.29E+08	128733430	+	1.465E-32	1.5414E-30	-0.27262	hypo	sig	chr2_128733430
chr2	97713479	97713479	+	1.471E-32	1.5478E-30	-0.3447	hypo	sig	chr2_97713479
chr19	40568197	40568197	+	1.472E-32	1.5483E-30	0.343624	hyper	sig	chr19_40568197
chr12	1.14E+08	114440761	+	1.476E-32	1.5522E-30	0.363773	hyper	sig	chr12_114440761
chr2	1.28E+08	128425823	+	1.482E-32	1.5581E-30	-0.42034	hypo	sig	chr2_128425823
chr5	37835866	37835866	+	1.483E-32	1.559E-30	0.347667	hyper	sig	chr5_37835866
chr12	1.15E+08	114697222	+	1.488E-32	1.5644E-30	0.29809	hyper	sig	chr12_114697222
chr8	1.43E+08	143499907	+	1.489E-32	1.5656E-30	0.37506	hyper	sig	chr8_143499907
chr13	1.08E+08	107866560	+	1.491E-32	1.5668E-30	0.303897	hyper	sig	chr13_107866560
chr10	1.33E+08	132940815	+	1.498E-32	1.5741E-30	-0.39931	hypo	sig	chr10_132940815
chr21	33020543	33020543	+	1.498E-32	1.5741E-30	0.292832	hyper	sig	chr21_33020543
chr8	49911050	49911050	+	1.5E-32	1.5756E-30	0.336872	hyper	sig	chr8_49911050
chr3	1.47E+08	147409819	+	1.507E-32	1.5832E-30	0.369469	hyper	sig	chr3_147409819
chr20	37518823	37518823	+	1.508E-32	1.5841E-30	0.27006	hyper	sig	chr20_37518823
chr10	625466	625466	+	1.513E-32	1.5888E-30	0.323003	hyper	sig	chr10_625466
chr1	3752666	3752666	+	1.515E-32	1.591E-30	-0.37315	hypo	sig	chr1_3752666
chr3	1.22E+08	122184787	+	1.517E-32	1.5927E-30	0.381742	hyper	sig	chr3_122184787
chr17	45430187	45430187	+	1.518E-32	1.5935E-30	0.419902	hyper	sig	chr17_45430187
chr7	96992902	96992902	+	1.522E-32	1.5976E-30	0.488159	hyper	sig	chr7_96992902
chr7	1.55E+08	155462615	+	1.53E-32	1.6053E-30	0.350656	hyper	sig	chr7_155462615
chr8	85438088	85438088	+	1.54E-32	1.6157E-30	0.338566	hyper	sig	chr8_85438088

chr10	1.1E+08	110336597	+	1.541E-32	1.6166E-30	0.301478	hyper	sig	chr10_110336597
chr15	45645559	45645559	+	1.561E-32	1.6378E-30	-0.32167	hypo	sig	chr15_45645559
chr10	5551963	5551963	+	1.562E-32	1.6382E-30	-0.32507	hypo	sig	chr10_5551963
chr7	1.57E+08	157466171	+	1.565E-32	1.6416E-30	0.29243	hyper	sig	chr7_157466171
chr10	1.01E+08	101134363	+	1.571E-32	1.6476E-30	0.309149	hyper	sig	chr10_101134363
chr11	32433622	32433622	+	1.572E-32	1.6479E-30	0.411723	hyper	sig	chr11_32433622
chr13	27928338	27928338	+	1.573E-32	1.6485E-30	0.475158	hyper	sig	chr13_27928338
chr20	2804537	2804537	+	1.573E-32	1.6485E-30	0.324339	hyper	sig	chr20_2804537
chr20	46513362	46513362	+	1.572E-32	1.6485E-30	0.450979	hyper	sig	chr20_46513362
chr11	20669243	20669243	+	1.578E-32	1.6539E-30	0.408163	hyper	sig	chr11_20669243
chr1	2.33E+08	232805427	+	1.584E-32	1.6594E-30	0.22291	hyper	sig	chr1_232805427
chr11	32438443	32438443	+	1.585E-32	1.6605E-30	0.366611	hyper	sig	chr11_32438443
chr20	46513366	46513366	+	1.586E-32	1.6618E-30	0.425413	hyper	sig	chr20_46513366
chr6	27260382	27260382	+	1.587E-32	1.6618E-30	0.343894	hyper	sig	chr6_27260382
chr2	775234	775234	+	1.592E-32	1.6674E-30	-0.28084	hypo	sig	chr2_775234
chr8	1.44E+08	143732819	+	1.603E-32	1.6784E-30	-0.38869	hypo	sig	chr8_143732819
chr14	96745557	96745557	+	1.61E-32	1.6861E-30	-0.37309	hypo	sig	chr14_96745557
chr21	43924625	43924625	+	1.614E-32	1.6892E-30	-0.27305	hypo	sig	chr21_43924625
chr9	95447990	95447990	+	1.617E-32	1.6922E-30	0.372891	hyper	sig	chr9_95447990
chr7	1.43E+08	143388539	+	1.617E-32	1.6927E-30	0.22963	hyper	sig	chr7_143388539
chr8	1.45E+08	144713222	+	1.618E-32	1.6932E-30	0.421247	hyper	sig	chr8_144713222
chr19	40568205	40568205	+	1.618E-32	1.6934E-30	0.333327	hyper	sig	chr19_40568205
chr16	1163746	1163746	+	1.628E-32	1.703E-30	-0.39522	hypo	sig	chr16_1163746
chr2	2.41E+08	241035509	+	1.631E-32	1.7058E-30	0.346704	hyper	sig	chr2_241035509
chr5	1.41E+08	141150134	+	1.639E-32	1.7143E-30	0.34258	hyper	sig	chr5_141150134
chr16	29182054	29182054	+	1.653E-32	1.7288E-30	-0.41849	hypo	sig	chr16_29182054
chr2	26693542	26693542	+	1.658E-32	1.734E-30	0.289787	hyper	sig	chr2_26693542
chr7	781664	781664	+	1.664E-32	1.7394E-30	0.262828	hyper	sig	chr7_781664
chr1	1.15E+08	115364103	+	1.675E-32	1.7506E-30	-0.40124	hypo	sig	chr1_115364103
chr17	76948754	76948754	+	1.677E-32	1.7525E-30	-0.40702	hypo	sig	chr17_76948754
chr5	1.46E+08	146342926	+	1.679E-32	1.7545E-30	0.352926	hyper	sig	chr5_146342926
chr7	4739594	4739594	+	1.68E-32	1.7559E-30	0.336387	hyper	sig	chr7_4739594
chr17	82247644	82247644	+	1.689E-32	1.7644E-30	0.224203	hyper	sig	chr17_82247644
chr4	1212196	1212196	+	1.698E-32	1.7738E-30	0.28842	hyper	sig	chr4_1212196
chr11	1554551	1554551	+	1.698E-32	1.7738E-30	-0.38272	hypo	sig	chr11_1554551
chr5	3590754	3590754	+	1.699E-32	1.7744E-30	0.379857	hyper	sig	chr5_3590754
chr10	1478697	1478697	+	1.702E-32	1.7773E-30	-0.32399	hypo	sig	chr10_1478697
chr4	4855367	4855367	+	1.708E-32	1.783E-30	0.282675	hyper	sig	chr4_4855367
chr14	88326666	88326666	+	1.708E-32	1.7836E-30	0.285526	hyper	sig	chr14_88326666
chr7	1.01E+08	101299689	+	1.71E-32	1.785E-30	0.439546	hyper	sig	chr7_101299689
chr12	1.3E+08	130339461	+	1.711E-32	1.7855E-30	0.321136	hyper	sig	chr12_130339461
chr11	45209609	45209609	+	1.714E-32	1.7881E-30	0.296431	hyper	sig	chr11_45209609
chr5	88684502	88684502	+	1.714E-32	1.7881E-30	0.304229	hyper	sig	chr5_88684502
chr7	1.3E+08	130486007	+	1.714E-32	1.7881E-30	-0.33751	hypo	sig	chr7_130486007
chr7	1237899	1237899	+	1.721E-32	1.7959E-30	0.353892	hyper	sig	chr7_1237899
chr13	27794969	27794969	+	1.723E-32	1.7976E-30	0.390183	hyper	sig	chr13_27794969
chr8	64368974	64368974	+	1.726E-32	1.7998E-30	0.313159	hyper	sig	chr8_64368974
chr15	93089990	93089990	+	1.728E-32	1.802E-30	0.268651	hyper	sig	chr15_93089990
chr7	2116234	2116234	+	1.733E-32	1.8075E-30	0.275102	hyper	sig	chr7_2116234
chr13	77918599	77918599	+	1.735E-32	1.8088E-30	0.335138	hyper	sig	chr13_77918599
chr2	2.27E+08	226798468	+	1.741E-32	1.8152E-30	0.246697	hyper	sig	chr2_226798468
chr14	52069255	52069255	+	1.748E-32	1.8219E-30	0.227485	hyper	sig	chr14_52069255
chr15	93421792	93421792	+	1.751E-32	1.8244E-30	-0.39787	hypo	sig	chr15_93421792
chr2	495113	495113	+	1.754E-32	1.8281E-30	-0.37936	hypo	sig	chr2_495113
chr14	89415429	89415429	+	1.755E-32	1.8281E-30	0.374182	hyper	sig	chr14_89415429
chr16	15149018	15149018	+	1.756E-32	1.8292E-30	0.287131	hyper	sig	chr16_15149018

chr17	64778549	64778549	+	1.76E-32	1.8332E-30	0.284939	hyper	sig	chr17_64778549
chr11	32433418	32433418	+	1.761E-32	1.8342E-30	0.338172	hyper	sig	chr11_32433418
chr5	1.41E+08	140828561	+	1.768E-32	1.8416E-30	0.339429	hyper	sig	chr5_140828561
chr9	19789281	19789281	+	1.77E-32	1.8432E-30	0.409659	hyper	sig	chr9_19789281
chr6	28634968	28634968	+	1.773E-32	1.8463E-30	0.314383	hyper	sig	chr6_28634968
chr8	56445571	56445571	+	1.776E-32	1.8488E-30	0.330658	hyper	sig	chr8_56445571
chr10	22345178	22345178	+	1.778E-32	1.8503E-30	0.313462	hyper	sig	chr10_22345178
chr19	48746985	48746985	+	1.782E-32	1.8547E-30	0.318255	hyper	sig	chr19_48746985
chr11	19714702	19714702	+	1.791E-32	1.8632E-30	0.421416	hyper	sig	chr11_19714702
chr3	1.94E+08	194376492	+	1.81E-32	1.8827E-30	-0.31355	hypo	sig	chr3_194376492
chr5	1.73E+08	173234124	+	1.82E-32	1.8935E-30	0.422269	hyper	sig	chr5_173234124
chr22	50045134	50045134	+	1.825E-32	1.898E-30	-0.40138	hypo	sig	chr22_50045134
chr5	73444866	73444866	+	1.827E-32	1.8998E-30	0.340773	hyper	sig	chr5_73444866
chr7	1.55E+08	155467615	+	1.84E-32	1.9134E-30	0.377627	hyper	sig	chr7_155467615
chr3	9915014	9915014	+	1.843E-32	1.9156E-30	0.320437	hyper	sig	chr3_9915014
chr16	86432875	86432875	+	1.848E-32	1.9209E-30	0.398214	hyper	sig	chr16_86432875
chr2	1.09E+08	109129825	+	1.848E-32	1.9209E-30	0.32677	hyper	sig	chr2_109129825
chr3	52835505	52835505	+	1.848E-32	1.921E-30	0.335265	hyper	sig	chr3_52835505
chr11	45209709	45209709	+	1.849E-32	1.9214E-30	0.327122	hyper	sig	chr11_45209709
chr18	58255503	58255503	+	1.855E-32	1.927E-30	0.366436	hyper	sig	chr18_58255503
chr9	98944642	98944642	+	1.855E-32	1.9275E-30	0.424588	hyper	sig	chr9_98944642
chr10	1.28E+08	127737629	+	1.863E-32	1.935E-30	0.306479	hyper	sig	chr10_127737629
chr20	56925561	56925561	+	1.863E-32	1.935E-30	0.343762	hyper	sig	chr20_56925561
chr12	1.01E+08	100720206	+	1.881E-32	1.9532E-30	-0.37012	hypo	sig	chr12_100720206
chr13	24162463	24162463	+	1.886E-32	1.9582E-30	-0.37208	hypo	sig	chr13_24162463
chr8	79611150	79611150	+	1.891E-32	1.9629E-30	0.347877	hyper	sig	chr8_79611150
chr17	64779188	64779188	+	1.895E-32	1.9667E-30	0.455182	hyper	sig	chr17_64779188
chr13	1.02E+08	101917496	+	1.897E-32	1.9686E-30	0.292517	hyper	sig	chr13_101917496
chr22	17583476	17583476	+	1.9E-32	1.972E-30	-0.37393	hypo	sig	chr22_17583476
chr7	1.02E+08	102175974	+	1.905E-32	1.9765E-30	0.310949	hyper	sig	chr7_102175974
chr9	98707695	98707695	+	1.906E-32	1.9771E-30	0.283967	hyper	sig	chr9_98707695
chr6	10390686	10390686	+	1.91E-32	1.9812E-30	0.36846	hyper	sig	chr6_10390686
chr8	1.44E+08	144047097	+	1.91E-32	1.9814E-30	-0.36486	hypo	sig	chr8_144047097
chr10	49115219	49115219	+	1.914E-32	1.9848E-30	0.300443	hyper	sig	chr10_49115219
chr1	1.19E+08	118989461	+	1.914E-32	1.9851E-30	0.33317	hyper	sig	chr1_118989461
chr6	1.69E+08	168909501	+	1.917E-32	1.9882E-30	-0.32063	hypo	sig	chr6_168909501
chr14	36504011	36504011	+	1.935E-32	2.0064E-30	0.333615	hyper	sig	chr14_36504011
chr5	1.78E+08	178165780	+	1.941E-32	2.0116E-30	0.43451	hyper	sig	chr5_178165780
chr16	72858862	72858862	+	1.941E-32	2.0122E-30	0.440671	hyper	sig	chr16_72858862
chr13	78586947	78586947	+	1.949E-32	2.0203E-30	0.376109	hyper	sig	chr13_78586947
chr2	3282689	3282689	+	1.95E-32	2.0205E-30	0.318893	hyper	sig	chr2_3282689
chr5	1.59E+08	159095507	+	1.952E-32	2.0228E-30	0.398078	hyper	sig	chr5_159095507
chr2	3974673	3974673	+	1.953E-32	2.0233E-30	-0.37987	hypo	sig	chr2_3974673
chr2	2.38E+08	237739246	+	1.965E-32	2.035E-30	0.323976	hyper	sig	chr2_237739246
chr11	2160365	2160365	+	1.968E-32	2.0386E-30	-0.36442	hypo	sig	chr11_2160365
chr1	1.61E+08	160813453	+	1.969E-32	2.0387E-30	-0.49139	hypo	sig	chr1_160813453
chr16	86284166	86284166	+	1.972E-32	2.0419E-30	-0.36669	hypo	sig	chr16_86284166
chr13	28532899	28532899	+	1.974E-32	2.0436E-30	0.317173	hyper	sig	chr13_28532899
chr8	1.18E+08	118074440	+	1.975E-32	2.0444E-30	0.36045	hyper	sig	chr8_118074440
chr13	1.12E+08	111683638	+	1.976E-32	2.0451E-30	-0.34934	hypo	sig	chr13_111683638
chr7	1.55E+08	155467641	+	1.98E-32	2.0493E-30	0.364158	hyper	sig	chr7_155467641
chr4	1.51E+08	150583801	+	1.983E-32	2.0524E-30	0.377367	hyper	sig	chr4_150583801
chr5	32522891	32522891	+	1.988E-32	2.0569E-30	-0.32063	hypo	sig	chr5_32522891
chr16	991236	991236	+	1.989E-32	2.0575E-30	-0.3769	hypo	sig	chr16_991236
chr19	1295657	1295657	+	1.989E-32	2.0577E-30	0.323079	hyper	sig	chr19_1295657
chr7	2104251	2104251	+	1.991E-32	2.0595E-30	0.388218	hyper	sig	chr7_2104251

chr19	57888791	57888791	+	1.996E-32	2.0641E-30	0.265196	hyper	sig	chr19_57888791
chr10	1.29E+08	128578308	+	2.005E-32	2.073E-30	-0.35426	hypo	sig	chr10_128578308
chr7	1.28E+08	128104485	+	2.005E-32	2.073E-30	0.255389	hyper	sig	chr7_128104485
chr11	46597825	46597825	+	2.005E-32	2.073E-30	-0.37417	hypo	sig	chr11_46597825
chr10	22345318	22345318	+	2.011E-32	2.0783E-30	0.35425	hyper	sig	chr10_22345318
chr17	38841273	38841273	+	2.011E-32	2.0783E-30	0.362613	hyper	sig	chr17_38841273
chr2	2.32E+08	232486239	+	2.021E-32	2.0886E-30	0.338177	hyper	sig	chr2_232486239
chr5	1.27E+08	126857778	+	2.022E-32	2.0887E-30	0.451038	hyper	sig	chr5_126857778
chr7	4882348	4882348	+	2.022E-32	2.0887E-30	0.280491	hyper	sig	chr7_4882348
chr1	2299514	2299514	+	2.036E-32	2.1028E-30	0.34887	hyper	sig	chr1_2299514
chr8	32549379	32549379	+	2.042E-32	2.1087E-30	0.312948	hyper	sig	chr8_32549379
chr7	1.22E+08	122310432	+	2.059E-32	2.126E-30	0.234827	hyper	sig	chr7_122310432
chr6	30110559	30110559	+	2.066E-32	2.1331E-30	-0.3793	hypo	sig	chr6_30110559
chr2	2.22E+08	222304142	+	2.068E-32	2.1347E-30	0.344352	hyper	sig	chr2_222304142
chr8	1.41E+08	141358242	+	2.068E-32	2.1347E-30	0.303644	hyper	sig	chr8_141358242
chr1	2.34E+08	234216859	+	2.072E-32	2.139E-30	-0.32161	hypo	sig	chr1_234216859
chr14	47676368	47676368	+	2.084E-32	2.1505E-30	0.416335	hyper	sig	chr14_47676368
chr6	1.34E+08	134178005	+	2.091E-32	2.1581E-30	-0.28989	hypo	sig	chr6_134178005
chr19	1908406	1908406	+	2.093E-32	2.1594E-30	-0.35142	hypo	sig	chr19_1908406
chr5	31855282	31855282	+	2.102E-32	2.1679E-30	0.381599	hyper	sig	chr5_31855282
chr5	1.41E+08	141431747	+	2.113E-32	2.1796E-30	0.341724	hyper	sig	chr5_141431747
chr7	4179615	4179615	+	2.116E-32	2.1826E-30	-0.47342	hypo	sig	chr7_4179615
chr8	71558897	71558897	+	2.12E-32	2.1858E-30	0.366297	hyper	sig	chr8_71558897
chr13	94705578	94705578	+	2.127E-32	2.1934E-30	0.356801	hyper	sig	chr13_94705578
chr10	23191387	23191387	+	2.128E-32	2.1943E-30	0.281728	hyper	sig	chr10_23191387
chr19	1075105	1075105	+	2.135E-32	2.2008E-30	-0.37446	hypo	sig	chr19_1075105
chr3	13011708	13011708	+	2.143E-32	2.2088E-30	-0.35769	hypo	sig	chr3_13011708
chr2	63055811	63055811	+	2.145E-32	2.2103E-30	0.336314	hyper	sig	chr2_63055811
chr16	70686499	70686499	+	2.147E-32	2.2127E-30	0.374442	hyper	sig	chr16_70686499
chr6	30127732	30127732	+	2.148E-32	2.2128E-30	0.333758	hyper	sig	chr6_30127732
chr6	29792172	29792172	+	2.152E-32	2.2164E-30	0.346684	hyper	sig	chr6_29792172
chr4	44448341	44448341	+	2.155E-32	2.2196E-30	0.305121	hyper	sig	chr4_44448341
chr19	46426866	46426866	+	2.161E-32	2.2251E-30	0.283298	hyper	sig	chr19_46426866
chr4	1.77E+08	176792123	+	2.168E-32	2.2324E-30	0.305952	hyper	sig	chr4_176792123
chr10	14602224	14602224	+	2.175E-32	2.2393E-30	-0.36075	hypo	sig	chr10_14602224
chr1	1315922	1315922	+	2.179E-32	2.2435E-30	0.286731	hyper	sig	chr1_1315922
chr11	1.34E+08	134069746	+	2.182E-32	2.2463E-30	0.455031	hyper	sig	chr11_134069746
chr1	2.28E+08	228464597	+	2.189E-32	2.2528E-30	0.274104	hyper	sig	chr1_228464597
chr4	76586258	76586258	+	2.189E-32	2.2529E-30	-0.24204	hypo	sig	chr4_76586258
chr19	40568209	40568209	+	2.195E-32	2.2581E-30	0.359724	hyper	sig	chr19_40568209
chr21	43826598	43826598	+	2.199E-32	2.262E-30	0.335134	hyper	sig	chr21_43826598
chr19	9498291	9498291	+	2.206E-32	2.269E-30	0.357134	hyper	sig	chr19_9498291
chr12	25806438	25806438	+	2.213E-32	2.2767E-30	-0.38409	hypo	sig	chr12_25806438
chr6	32086784	32086784	+	2.215E-32	2.2782E-30	-0.30446	hypo	sig	chr6_32086784
chr7	96993326	96993326	+	2.233E-32	2.2959E-30	0.317613	hyper	sig	chr7_96993326
chr7	32260068	32260068	+	2.241E-32	2.304E-30	-0.35485	hypo	sig	chr7_32260068
chr14	24311325	24311325	+	2.251E-32	2.3138E-30	0.279523	hyper	sig	chr14_24311325
chr10	1.14E+08	113552794	+	2.252E-32	2.3149E-30	-0.30796	hypo	sig	chr10_113552794
chr5	1973718	1973718	+	2.257E-32	2.3201E-30	-0.38288	hypo	sig	chr5_1973718
chr19	12156691	12156691	+	2.26E-32	2.3224E-30	0.235715	hyper	sig	chr19_12156691
chr19	37817764	37817764	+	2.26E-32	2.3224E-30	0.351584	hyper	sig	chr19_37817764
chr1	2.21E+08	220882158	+	2.262E-32	2.3242E-30	0.441808	hyper	sig	chr1_220882158
chr11	27720559	27720559	+	2.263E-32	2.3249E-30	0.336047	hyper	sig	chr11_27720559
chr5	1.56E+08	155728912	+	2.267E-32	2.3289E-30	0.338524	hyper	sig	chr5_155728912
chr6	1.27E+08	127119268	+	2.274E-32	2.3356E-30	0.350478	hyper	sig	chr6_127119268
chr8	1.43E+08	142911315	+	2.282E-32	2.3437E-30	-0.39514	hypo	sig	chr8_142911315

chr2	1.54E+08	153871558	+	2.286E-32	2.3473E-30	0.347202	hyper	sig	chr2_153871558
chr11	40293860	40293860	+	2.305E-32	2.3666E-30	0.327389	hyper	sig	chr11_40293860
chr17	38841255	38841255	+	2.311E-32	2.3721E-30	0.37849	hyper	sig	chr17_38841255
chr8	88326861	88326861	+	2.314E-32	2.3753E-30	0.302417	hyper	sig	chr8_88326861
chr2	2.38E+08	237701164	+	2.315E-32	2.376E-30	0.328964	hyper	sig	chr2_237701164
chr14	41605388	41605388	+	2.321E-32	2.3814E-30	0.296386	hyper	sig	chr14_41605388
chr12	52038781	52038781	+	2.328E-32	2.3881E-30	0.320228	hyper	sig	chr12_52038781
chr2	2.41E+08	240646400	+	2.331E-32	2.3915E-30	-0.44418	hypo	sig	chr2_240646400
chr2	40451549	40451549	+	2.337E-32	2.3969E-30	0.345296	hyper	sig	chr2_40451549
chr2	1.21E+08	120863827	+	2.346E-32	2.4057E-30	-0.36369	hypo	sig	chr2_120863827
chr5	1.5E+08	150190016	+	2.356E-32	2.4156E-30	0.353437	hyper	sig	chr5_150190016
chr4	15787746	15787746	+	2.367E-32	2.4266E-30	-0.30156	hypo	sig	chr4_15787746
chr1	39884234	39884234	+	2.371E-32	2.4311E-30	-0.32864	hypo	sig	chr1_39884234
chr7	64575039	64575039	+	2.372E-32	2.4314E-30	0.347492	hyper	sig	chr7_64575039
chr14	90455319	90455319	+	2.373E-32	2.4325E-30	0.342163	hyper	sig	chr14_90455319
chr13	36430600	36430600	+	2.381E-32	2.4397E-30	0.326184	hyper	sig	chr13_36430600
chr3	1.97E+08	197354737	+	2.381E-32	2.4398E-30	0.390399	hyper	sig	chr3_197354737
chr10	1.33E+08	133105358	+	2.382E-32	2.4401E-30	0.313032	hyper	sig	chr10_133105358
chr10	23174086	23174086	+	2.393E-32	2.4513E-30	0.388083	hyper	sig	chr10_23174086
chr5	33938791	33938791	+	2.393E-32	2.4513E-30	0.341017	hyper	sig	chr5_33938791
chr1	1.81E+08	181483663	+	2.395E-32	2.4532E-30	0.289124	hyper	sig	chr1_181483663
chr11	1.19E+08	119422105	+	2.398E-32	2.4554E-30	0.289866	hyper	sig	chr11_119422105
chr8	52587019	52587019	+	2.398E-32	2.4554E-30	0.355431	hyper	sig	chr8_52587019
chr11	2135077	2135077	+	2.41E-32	2.4673E-30	-0.38055	hypo	sig	chr11_2135077
chr1	10672732	10672732	+	2.415E-32	2.4725E-30	0.299764	hyper	sig	chr1_10672732
chr10	1.01E+08	100519577	+	2.419E-32	2.475E-30	0.485051	hyper	sig	chr10_100519577
chr15	75108637	75108637	+	2.418E-32	2.475E-30	-0.40188	hypo	sig	chr15_75108637
chr16	87407782	87407782	+	2.419E-32	2.475E-30	-0.46698	hypo	sig	chr16_87407782
chr1	1.57E+08	156897319	+	2.425E-32	2.4811E-30	-0.41785	hypo	sig	chr1_156897319
chr17	14303703	14303703	+	2.428E-32	2.4836E-30	0.269848	hyper	sig	chr17_14303703
chr17	76709694	76709694	+	2.429E-32	2.4844E-30	0.400239	hyper	sig	chr17_76709694
chr1	8027439	8027439	+	2.431E-32	2.4859E-30	-0.2942	hypo	sig	chr1_8027439
chr6	10384926	10384926	+	2.433E-32	2.4879E-30	0.437693	hyper	sig	chr6_10384926
chr1	92029440	92029440	+	2.434E-32	2.4883E-30	-0.28833	hypo	sig	chr1_92029440
chr2	2.42E+08	241659368	+	2.437E-32	2.4915E-30	0.411648	hyper	sig	chr2_241659368
chr1	40754468	40754468	+	2.44E-32	2.4946E-30	0.280879	hyper	sig	chr1_40754468
chr7	75995142	75995142	+	2.449E-32	2.5027E-30	0.343117	hyper	sig	chr7_75995142
chr8	52941125	52941125	+	2.464E-32	2.5185E-30	0.314438	hyper	sig	chr8_52941125
chr2	54673773	54673773	+	2.466E-32	2.5199E-30	-0.27322	hypo	sig	chr2_54673773
chr10	79407769	79407769	+	2.482E-32	2.5362E-30	0.326209	hyper	sig	chr10_79407769
chr19	11193864	11193864	+	2.486E-32	2.5394E-30	0.332376	hyper	sig	chr19_11193864
chr19	47782053	47782053	+	2.487E-32	2.5408E-30	0.409878	hyper	sig	chr19_47782053
chr4	1.9E+08	190020597	+	2.49E-32	2.5432E-30	0.31319	hyper	sig	chr4_190020597
chr17	40375975	40375975	+	2.491E-32	2.5436E-30	-0.36355	hypo	sig	chr17_40375975
chr6	88144684	88144684	+	2.519E-32	2.5719E-30	-0.36793	hypo	sig	chr6_88144684
chr17	1187006	1187006	+	2.525E-32	2.5782E-30	0.342493	hyper	sig	chr17_1187006
chr16	86516338	86516338	+	2.528E-32	2.581E-30	0.328924	hyper	sig	chr16_86516338
chr21	36695700	36695700	+	2.536E-32	2.5883E-30	0.338026	hyper	sig	chr21_36695700
chr11	20163721	20163721	+	2.542E-32	2.5941E-30	0.269727	hyper	sig	chr11_20163721
chr2	1.19E+08	118854718	+	2.544E-32	2.596E-30	0.332794	hyper	sig	chr2_118854718
chr13	1.14E+08	114049230	+	2.547E-32	2.5989E-30	-0.35058	hypo	sig	chr13_114049230
chr2	1.87E+08	186849120	+	2.556E-32	2.6072E-30	0.340231	hyper	sig	chr2_186849120
chr13	78596918	78596918	+	2.574E-32	2.6252E-30	0.296547	hyper	sig	chr13_78596918
chr13	45702207	45702207	+	2.577E-32	2.6279E-30	-0.37238	hypo	sig	chr13_45702207
chr11	17457847	17457847	+	2.577E-32	2.628E-30	-0.31409	hypo	sig	chr11_17457847
chr1	18631921	18631921	+	2.588E-32	2.6387E-30	0.388941	hyper	sig	chr1_18631921

chr2	40451551	40451551	+	2.588E-32	2.6387E-30	0.348528	hyper	sig	chr2_40451551
chr9	1.29E+08	129480310	+	2.59E-32	2.6403E-30	0.334568	hyper	sig	chr9_129480310
chr6	10887439	10887439	+	2.601E-32	2.651E-30	0.321967	hyper	sig	chr6_10887439
chr13	42574163	42574163	+	2.603E-32	2.6525E-30	0.351493	hyper	sig	chr13_42574163
chr12	1.03E+08	102824793	+	2.605E-32	2.6544E-30	0.297149	hyper	sig	chr12_102824793
chr19	33623303	33623303	+	2.614E-32	2.6638E-30	0.317403	hyper	sig	chr19_33623303
chr5	42944216	42944216	+	2.627E-32	2.6763E-30	0.412003	hyper	sig	chr5_42944216
chr11	1.29E+08	128549449	+	2.631E-32	2.68E-30	0.374359	hyper	sig	chr11_128549449
chr19	51949225	51949225	+	2.634E-32	2.6824E-30	0.332015	hyper	sig	chr19_51949225
chr6	29943829	29943829	+	2.64E-32	2.6888E-30	-0.43215	hypo	sig	chr6_29943829
chr2	25167665	25167665	+	2.644E-32	2.692E-30	0.359206	hyper	sig	chr2_25167665
chr19	36916139	36916139	+	2.646E-32	2.694E-30	0.238199	hyper	sig	chr19_36916139
chr6	1.7E+08	170138889	+	2.646E-32	2.694E-30	-0.30972	hypo	sig	chr6_170138889
chr13	1.14E+08	114151818	+	2.647E-32	2.6943E-30	-0.30297	hypo	sig	chr13_114151818
chr16	29785435	29785435	+	2.647E-32	2.6943E-30	0.319824	hyper	sig	chr16_29785435
chr2	1.87E+08	186849247	+	2.648E-32	2.6949E-30	0.275199	hyper	sig	chr2_186849247
chr3	1.38E+08	137761988	+	2.65E-32	2.6961E-30	0.397301	hyper	sig	chr3_137761988
chr8	1.41E+08	141299560	+	2.655E-32	2.7011E-30	0.327922	hyper	sig	chr8_141299560
chr16	67163283	67163283	+	2.659E-32	2.705E-30	0.336762	hyper	sig	chr16_67163283
chr10	683973	683973	+	2.669E-32	2.7149E-30	0.300242	hyper	sig	chr10_683973
chr6	1.7E+08	170081761	+	2.671E-32	2.7166E-30	-0.37029	hypo	sig	chr6_170081761
chr11	22667194	22667194	+	2.679E-32	2.7246E-30	0.293555	hyper	sig	chr11_22667194
chr9	1.35E+08	135173718	+	2.68E-32	2.7247E-30	-0.35547	hypo	sig	chr9_135173718
chr12	70920488	70920488	+	2.682E-32	2.7267E-30	0.35712	hyper	sig	chr12_70920488
chr13	1.13E+08	113098399	+	2.683E-32	2.7275E-30	0.374909	hyper	sig	chr13_113098399
chr22	37186269	37186269	+	2.692E-32	2.7361E-30	-0.34236	hypo	sig	chr22_37186269
chr17	75587825	75587825	+	2.703E-32	2.7466E-30	0.315345	hyper	sig	chr17_75587825
chr9	1.37E+08	137031011	+	2.703E-32	2.7466E-30	-0.40279	hypo	sig	chr9_137031011
chr19	36916346	36916346	+	2.715E-32	2.7584E-30	0.213603	hyper	sig	chr19_36916346
chr20	56926034	56926034	+	2.716E-32	2.7587E-30	0.315897	hyper	sig	chr20_56926034
chr1	41479048	41479048	+	2.717E-32	2.7598E-30	0.368759	hyper	sig	chr1_41479048
chr9	35676338	35676338	+	2.722E-32	2.7641E-30	0.378884	hyper	sig	chr9_35676338
chr8	96159697	96159697	+	2.723E-32	2.7647E-30	0.353019	hyper	sig	chr8_96159697
chr11	1.02E+08	101584002	+	2.728E-32	2.7695E-30	0.384194	hyper	sig	chr11_101584002
chr5	43034219	43034219	+	2.738E-32	2.7797E-30	0.418328	hyper	sig	chr5_43034219
chr5	74642749	74642749	+	2.739E-32	2.7801E-30	-0.35985	hypo	sig	chr5_74642749
chr6	1.66E+08	166009183	+	2.745E-32	2.7863E-30	0.334155	hyper	sig	chr6_166009183
chr7	99580110	99580110	+	2.756E-32	2.7971E-30	0.302273	hyper	sig	chr7_99580110
chr17	81472131	81472131	+	2.768E-32	2.8079E-30	0.338422	hyper	sig	chr17_81472131
chr8	46407261	46407261	+	2.767E-32	2.8079E-30	-0.31626	hypo	sig	chr8_46407261
chr14	41608539	41608539	+	2.777E-32	2.8167E-30	0.362629	hyper	sig	chr14_41608539
chr20	56004305	56004305	+	2.79E-32	2.8299E-30	0.366695	hyper	sig	chr20_56004305
chr16	62036339	62036339	+	2.805E-32	2.8443E-30	0.346616	hyper	sig	chr16_62036339
chr16	62036197	62036197	+	2.814E-32	2.8532E-30	0.327412	hyper	sig	chr16_62036197
chr2	53860262	53860262	+	2.814E-32	2.8532E-30	0.478039	hyper	sig	chr2_53860262
chr1	72419327	72419327	+	2.818E-32	2.8566E-30	-0.33534	hypo	sig	chr1_72419327
chr15	28107339	28107339	+	2.819E-32	2.8577E-30	0.287905	hyper	sig	chr15_28107339
chr2	1.21E+08	120581031	+	2.822E-32	2.8604E-30	-0.37854	hypo	sig	chr2_120581031
chr4	2430565	2430565	+	2.83E-32	2.8677E-30	-0.41985	hypo	sig	chr4_2430565
chr10	1.23E+08	122845854	+	2.833E-32	2.8703E-30	0.235501	hyper	sig	chr10_122845854
chr17	14298425	14298425	+	2.846E-32	2.8833E-30	0.406888	hyper	sig	chr17_14298425
chr17	76688393	76688393	+	2.852E-32	2.8889E-30	0.311458	hyper	sig	chr17_76688393
chr2	2.39E+08	239309188	+	2.861E-32	2.8979E-30	0.339153	hyper	sig	chr2_239309188
chr2	315204	315204	+	2.862E-32	2.8987E-30	-0.36495	hypo	sig	chr2_315204
chr9	1.37E+08	137030931	+	2.865E-32	2.9013E-30	-0.35539	hypo	sig	chr9_137030931
chr17	45430219	45430219	+	2.884E-32	2.9204E-30	0.413526	hyper	sig	chr17_45430219

chr2	1.42E+08	142130172	+	2.887E-32	2.9233E-30	0.324153	hyper	sig	chr2_142130172
chr1	37575674	37575674	+	2.894E-32	2.9295E-30	0.24584	hyper	sig	chr1_37575674
chr6	32053499	32053499	+	2.902E-32	2.9369E-30	-0.37745	hypo	sig	chr6_32053499
chr17	80823251	80823251	+	2.91E-32	2.9448E-30	-0.48161	hypo	sig	chr17_80823251
chr12	1.23E+08	123115326	+	2.913E-32	2.9475E-30	0.357164	hyper	sig	chr12_123115326
chr2	1.87E+08	186849123	+	2.913E-32	2.9475E-30	0.361319	hyper	sig	chr2_186849123
chr3	1.84E+08	184491451	+	2.919E-32	2.9532E-30	0.422597	hyper	sig	chr3_184491451
chr12	40692525	40692525	+	2.924E-32	2.9579E-30	0.333529	hyper	sig	chr12_40692525
chr8	1.18E+08	118074471	+	2.926E-32	2.9592E-30	0.347376	hyper	sig	chr8_118074471
chr7	1.52E+08	151745395	+	2.938E-32	2.9714E-30	-0.30763	hypo	sig	chr7_151745395
chr1	78491506	78491506	+	2.955E-32	2.9876E-30	0.342659	hyper	sig	chr1_78491506
chr19	45767022	45767022	+	2.962E-32	2.9942E-30	0.376746	hyper	sig	chr19_45767022
chr3	1.49E+08	148698232	+	2.962E-32	2.9944E-30	0.326113	hyper	sig	chr3_148698232
chr7	93043511	93043511	+	2.965E-32	2.9966E-30	0.351758	hyper	sig	chr7_93043511
chr17	21452697	21452697	+	2.982E-32	3.0137E-30	0.365232	hyper	sig	chr17_21452697
chr1	1.52E+08	151514011	+	2.985E-32	3.0159E-30	-0.34077	hypo	sig	chr1_151514011
chr11	841335	841335	+	2.995E-32	3.0262E-30	-0.33704	hypo	sig	chr11_841335
chr13	1.13E+08	113109438	+	3.002E-32	3.0325E-30	0.435314	hyper	sig	chr13_113109438
chr12	1.2E+08	119804126	+	3.003E-32	3.0339E-30	0.384951	hyper	sig	chr12_119804126
chr18	904988	904988	+	3.013E-32	3.0429E-30	0.343102	hyper	sig	chr18_904988
chr4	6689111	6689111	+	3.013E-32	3.0429E-30	-0.21716	hypo	sig	chr4_6689111
chr15	70475168	70475168	+	3.014E-32	3.0435E-30	-0.26408	hypo	sig	chr15_70475168
chr16	89162531	89162531	+	3.016E-32	3.0453E-30	-0.42902	hypo	sig	chr16_89162531
chr10	23200341	23200341	+	3.02E-32	3.0482E-30	0.410437	hyper	sig	chr10_23200341
chr11	13972260	13972260	+	3.025E-32	3.0534E-30	0.311093	hyper	sig	chr11_13972260
chr10	1650912	1650912	+	3.029E-32	3.0569E-30	-0.31348	hypo	sig	chr10_1650912
chr20	25083460	25083460	+	3.034E-32	3.0616E-30	0.429617	hyper	sig	chr20_25083460
chr7	1.49E+08	149280556	+	3.035E-32	3.062E-30	-0.40662	hypo	sig	chr7_149280556
chr19	9362958	9362958	+	3.041E-32	3.0676E-30	0.342523	hyper	sig	chr19_9362958
chr5	1.32E+08	132258119	+	3.045E-32	3.072E-30	0.381365	hyper	sig	chr5_132258119
chr1	1.48E+08	148310008	+	3.055E-32	3.0814E-30	0.417978	hyper	sig	chr1_148310008
chr2	29920758	29920758	+	3.072E-32	3.0981E-30	0.330652	hyper	sig	chr2_29920758
chr4	1.55E+08	155208048	+	3.078E-32	3.1034E-30	0.320695	hyper	sig	chr4_155208048
chr17	44269509	44269509	+	3.081E-32	3.1063E-30	-0.33902	hypo	sig	chr17_44269509
chr19	1468437	1468437	+	3.086E-32	3.1113E-30	0.280546	hyper	sig	chr19_1468437
chr12	40692506	40692506	+	3.096E-32	3.1203E-30	0.339239	hyper	sig	chr12_40692506
chr16	1149966	1149966	+	3.111E-32	3.1352E-30	0.351112	hyper	sig	chr16_1149966
chr5	1.46E+08	146379318	+	3.117E-32	3.141E-30	0.377658	hyper	sig	chr5_146379318
chr1	3651366	3651366	+	3.139E-32	3.163E-30	0.296273	hyper	sig	chr1_3651366
chr2	2.38E+08	237886280	+	3.143E-32	3.167E-30	0.345338	hyper	sig	chr2_237886280
chr2	2.39E+08	239291335	+	3.146E-32	3.169E-30	0.389079	hyper	sig	chr2_239291335
chr8	1.42E+08	141974045	+	3.148E-32	3.1704E-30	-0.37348	hypo	sig	chr8_141974045
chr15	83206917	83206917	+	3.151E-32	3.1731E-30	0.237932	hyper	sig	chr15_83206917
chr4	1.74E+08	173538973	+	3.164E-32	3.1862E-30	0.252019	hyper	sig	chr4_173538973
chr16	54933802	54933802	+	3.186E-32	3.2076E-30	0.37043	hyper	sig	chr16_54933802
chr12	6620484	6620484	+	3.193E-32	3.2146E-30	0.35548	hyper	sig	chr12_6620484
chr2	88765862	88765862	+	3.203E-32	3.2245E-30	0.366958	hyper	sig	chr2_88765862
chr12	1.25E+08	124608669	+	3.206E-32	3.2262E-30	-0.38052	hypo	sig	chr12_124608669
chr4	95549995	95549995	+	3.205E-32	3.2262E-30	0.312678	hyper	sig	chr4_95549995
chr3	49719075	49719075	+	3.233E-32	3.2532E-30	0.257874	hyper	sig	chr3_49719075
chr15	26771671	26771671	+	3.234E-32	3.2536E-30	0.351505	hyper	sig	chr15_26771671
chr7	42493635	42493635	+	3.234E-32	3.2536E-30	0.293676	hyper	sig	chr7_42493635
chr19	12156634	12156634	+	3.235E-32	3.2537E-30	0.273742	hyper	sig	chr19_12156634
chr2	1.15E+08	115162630	+	3.245E-32	3.2638E-30	0.357344	hyper	sig	chr2_115162630
chr10	5546263	5546263	+	3.26E-32	3.2787E-30	-0.38388	hypo	sig	chr10_5546263
chr4	3872207	3872207	+	3.269E-32	3.2865E-30	0.274358	hyper	sig	chr4_3872207

chr15	25210857	25210857	+	3.274E-32	3.2917E-30	-0.33822	hypo	sig	chr15_25210857
chr17	75891290	75891290	+	3.287E-32	3.3038E-30	-0.30053	hypo	sig	chr17_75891290
chr4	304994	304994	+	3.291E-32	3.3074E-30	0.315548	hyper	sig	chr4_304994
chr7	19106605	19106605	+	3.292E-32	3.3084E-30	0.343156	hyper	sig	chr7_19106605
chr11	27721801	27721801	+	3.293E-32	3.3088E-30	0.267261	hyper	sig	chr11_27721801
chr8	56445718	56445718	+	3.296E-32	3.3118E-30	0.307897	hyper	sig	chr8_56445718
chr18	50298747	50298747	+	3.299E-32	3.3147E-30	0.350685	hyper	sig	chr18_50298747
chr12	64825693	64825693	+	3.314E-32	3.3286E-30	0.31545	hyper	sig	chr12_64825693
chr1	2E+08	200041660	+	3.314E-32	3.329E-30	0.4377	hyper	sig	chr1_200041660
chr3	1.38E+08	137761387	+	3.339E-32	3.3534E-30	0.386237	hyper	sig	chr3_137761387
chr7	97018547	97018547	+	3.341E-32	3.3552E-30	0.456869	hyper	sig	chr7_97018547
chr7	27103081	27103081	+	3.354E-32	3.3676E-30	0.339433	hyper	sig	chr7_27103081
chr10	79382476	79382476	+	3.373E-32	3.3863E-30	0.300406	hyper	sig	chr10_79382476
chr5	1.16E+08	115816612	+	3.384E-32	3.3966E-30	0.330961	hyper	sig	chr5_115816612
chr1	18632930	18632930	+	3.386E-32	3.3984E-30	0.29368	hyper	sig	chr1_18632930
chr6	1.36E+08	136351884	+	3.394E-32	3.406E-30	0.376974	hyper	sig	chr6_136351884
chr17	45430206	45430206	+	3.413E-32	3.425E-30	0.419987	hyper	sig	chr17_45430206
chr1	1.19E+08	118984737	+	3.415E-32	3.426E-30	0.283694	hyper	sig	chr1_118984737
chr7	1.4E+08	140435768	+	3.425E-32	3.4357E-30	0.366411	hyper	sig	chr7_140435768
chr2	2.34E+08	233729088	+	3.429E-32	3.4394E-30	-0.35169	hypo	sig	chr2_233729088
chr20	63736609	63736609	+	3.433E-32	3.4427E-30	-0.31661	hypo	sig	chr20_63736609
chr19	44448490	44448490	+	3.446E-32	3.4552E-30	0.259368	hyper	sig	chr19_44448490
chr1	1.11E+08	111271568	+	3.453E-32	3.4623E-30	0.335735	hyper	sig	chr1_111271568
chr19	36797635	36797635	+	3.477E-32	3.4859E-30	0.261506	hyper	sig	chr19_36797635
chr13	1.12E+08	111893062	+	3.486E-32	3.4943E-30	0.305558	hyper	sig	chr13_111893062
chr15	89408804	89408804	+	3.487E-32	3.4952E-30	0.325857	hyper	sig	chr15_89408804
chr11	44311074	44311074	+	3.495E-32	3.5025E-30	0.321581	hyper	sig	chr11_44311074
chr3	1.97E+08	197378456	+	3.505E-32	3.5117E-30	0.331914	hyper	sig	chr3_197378456
chr10	1.01E+08	101136619	+	3.506E-32	3.5124E-30	0.354322	hyper	sig	chr10_101136619
chr3	1.26E+08	125954662	+	3.51E-32	3.5153E-30	-0.32816	hypo	sig	chr3_125954662
chr4	95548393	95548393	+	3.523E-32	3.5284E-30	0.251001	hyper	sig	chr4_95548393
chr5	1.41E+08	141094552	+	3.527E-32	3.5317E-30	0.323481	hyper	sig	chr5_141094552
chr13	1.1E+08	109782144	+	3.534E-32	3.5385E-30	-0.58692	hypo	sig	chr13_109782144
chr8	64586243	64586243	+	3.545E-32	3.5486E-30	0.393362	hyper	sig	chr8_64586243
chr19	38264128	38264128	+	3.546E-32	3.55E-30	-0.20359	hypo	sig	chr19_38264128
chr19	48556281	48556281	+	3.555E-32	3.5586E-30	-0.37762	hypo	sig	chr19_48556281
chr5	1.41E+08	141387725	+	3.566E-32	3.5685E-30	0.34407	hyper	sig	chr5_141387725
chr20	664526	664526	+	3.567E-32	3.5692E-30	0.435581	hyper	sig	chr20_664526
chr2	1.3E+08	129723428	+	3.58E-32	3.5818E-30	-0.35848	hypo	sig	chr2_129723428
chr14	23388307	23388307	+	3.581E-32	3.5829E-30	-0.37996	hypo	sig	chr14_23388307
chr5	1.41E+08	141421202	+	3.584E-32	3.5852E-30	0.375902	hyper	sig	chr5_141421202
chr19	871143	871143	+	3.601E-32	3.6012E-30	0.366534	hyper	sig	chr19_871143
chr13	70107683	70107683	+	3.603E-32	3.6036E-30	0.410678	hyper	sig	chr13_70107683
chr2	5692952	5692952	+	3.625E-32	3.6251E-30	0.360278	hyper	sig	chr2_5692952
chr11	65872342	65872342	+	3.637E-32	3.6364E-30	0.394801	hyper	sig	chr11_65872342
chr17	80919629	80919629	+	3.639E-32	3.6378E-30	0.25881	hyper	sig	chr17_80919629
chr4	1.07E+08	107036784	+	3.642E-32	3.6408E-30	0.378927	hyper	sig	chr4_107036784
chr19	817832	817832	+	3.647E-32	3.6445E-30	-0.33638	hypo	sig	chr19_817832
chr18	22345612	22345612	+	3.657E-32	3.6541E-30	-0.3079	hypo	sig	chr18_22345612
chr17	19580351	19580351	+	3.673E-32	3.6702E-30	0.333198	hyper	sig	chr17_19580351
chr19	3344253	3344253	+	3.681E-32	3.6779E-30	-0.30184	hypo	sig	chr19_3344253
chr2	2.33E+08	233060577	+	3.699E-32	3.6947E-30	-0.40897	hypo	sig	chr2_233060577
chr7	1.22E+08	122316649	+	3.701E-32	3.6964E-30	0.359477	hyper	sig	chr7_122316649
chr10	1.01E+08	101134248	+	3.722E-32	3.7168E-30	0.351472	hyper	sig	chr10_101134248
chr12	1.15E+08	114697260	+	3.731E-32	3.725E-30	0.304776	hyper	sig	chr12_114697260
chr20	56004307	56004307	+	3.731E-32	3.725E-30	0.363293	hyper	sig	chr20_56004307

chr10	91633492	91633492	+	3.732E-32	3.7259E-30	0.274341	hyper	sig	chr10_91633492
chr1	1.47E+08	147078348	+	3.736E-32	3.7293E-30	0.41838	hyper	sig	chr1_147078348
chr3	1.94E+08	193872186	+	3.749E-32	3.7423E-30	-0.34911	hypo	sig	chr3_193872186
chr13	24931993	24931993	+	3.756E-32	3.7482E-30	0.36617	hyper	sig	chr13_24931993
chr8	64378985	64378985	+	3.761E-32	3.7521E-30	0.387443	hyper	sig	chr8_64378985
chr15	37098088	37098088	+	3.778E-32	3.7689E-30	0.35601	hyper	sig	chr15_37098088
chr20	25083667	25083667	+	3.781E-32	3.771E-30	0.40835	hyper	sig	chr20_25083667
chr15	72228291	72228291	+	3.782E-32	3.7719E-30	-0.35998	hypo	sig	chr15_72228291
chr7	97018549	97018549	+	3.798E-32	3.7877E-30	0.449486	hyper	sig	chr7_97018549
chr8	68331675	68331675	+	3.802E-32	3.7911E-30	0.317368	hyper	sig	chr8_68331675
chr2	9103062	9103062	+	3.807E-32	3.7956E-30	-0.42367	hypo	sig	chr2_9103062
chr13	87674506	87674506	+	3.812E-32	3.7998E-30	0.333056	hyper	sig	chr13_87674506
chr7	49775063	49775063	+	3.841E-32	3.8284E-30	0.315206	hyper	sig	chr7_49775063
chr11	866020	866020	+	3.842E-32	3.8292E-30	-0.38203	hypo	sig	chr11_866020
chr3	1.4E+08	139539912	+	3.843E-32	3.83E-30	0.237835	hyper	sig	chr3_139539912
chr20	46011728	46011728	+	3.845E-32	3.8312E-30	0.44682	hyper	sig	chr20_46011728
chr17	48552339	48552339	+	3.855E-32	3.8401E-30	0.410431	hyper	sig	chr17_48552339
chr12	63151477	63151477	+	3.866E-32	3.8511E-30	0.369993	hyper	sig	chr12_63151477
chr19	4104920	4104920	+	3.88E-32	3.8646E-30	-0.43393	hypo	sig	chr19_4104920
chr12	5947164	5947164	+	3.882E-32	3.8664E-30	-0.29853	hypo	sig	chr12_5947164
chr16	54289044	54289044	+	3.883E-32	3.867E-30	0.351952	hyper	sig	chr16_54289044
chr6	32068900	32068900	+	3.888E-32	3.871E-30	-0.37033	hypo	sig	chr6_32068900
chr11	22667202	22667202	+	3.898E-32	3.8801E-30	0.274375	hyper	sig	chr11_22667202
chr1	11042882	11042882	+	3.905E-32	3.8873E-30	-0.36262	hypo	sig	chr1_11042882
chr1	25566935	25566935	+	3.908E-32	3.8899E-30	0.400485	hyper	sig	chr1_25566935
chr3	10995667	10995667	+	3.911E-32	3.8918E-30	-0.35013	hypo	sig	chr3_10995667
chr11	68371882	68371882	+	3.926E-32	3.9064E-30	0.263039	hyper	sig	chr11_68371882
chr11	20208021	20208021	+	3.928E-32	3.9076E-30	0.348129	hyper	sig	chr11_20208021
chr6	1.17E+08	117263483	+	3.936E-32	3.9154E-30	0.345037	hyper	sig	chr6_117263483
chr4	84501131	84501131	+	3.939E-32	3.9178E-30	0.311016	hyper	sig	chr4_84501131
chr7	1.55E+08	155462505	+	3.946E-32	3.9243E-30	0.334277	hyper	sig	chr7_155462505
chr15	80999771	80999771	+	3.947E-32	3.9249E-30	-0.3645	hypo	sig	chr15_80999771
chr1	2334980	2334980	+	3.961E-32	3.9388E-30	-0.34138	hypo	sig	chr1_2334980
chr2	1.21E+08	120519229	+	3.963E-32	3.9402E-30	-0.34325	hypo	sig	chr2_120519229
chr8	64379005	64379005	+	3.965E-32	3.9411E-30	0.383334	hyper	sig	chr8_64379005
chr10	1.01E+08	101134219	+	3.969E-32	3.9453E-30	0.399492	hyper	sig	chr10_101134219
chr3	27723735	27723735	+	3.972E-32	3.9476E-30	0.407647	hyper	sig	chr3_27723735
chr17	81026903	81026903	+	3.977E-32	3.9514E-30	0.360909	hyper	sig	chr17_81026903
chr2	1.82E+08	181684393	+	3.987E-32	3.9609E-30	0.299263	hyper	sig	chr2_181684393
chr7	97024667	97024667	+	3.993E-32	3.9665E-30	0.25936	hyper	sig	chr7_97024667
chr10	49396523	49396523	+	4E-32	3.9725E-30	0.343665	hyper	sig	chr10_49396523
chr3	1.13E+08	113441741	+	4E-32	3.9725E-30	0.302562	hyper	sig	chr3_113441741
chr4	1.07E+08	107035849	+	4.003E-32	3.9758E-30	0.298611	hyper	sig	chr4_107035849
chr10	49609262	49609262	+	4.008E-32	3.9799E-30	0.400006	hyper	sig	chr10_49609262
chr2	44928689	44928689	+	4.011E-32	3.9826E-30	0.353199	hyper	sig	chr2_44928689
chr7	97026254	97026254	+	4.016E-32	3.9866E-30	0.341565	hyper	sig	chr7_97026254
chr2	2.35E+08	234974984	+	4.017E-32	3.9877E-30	0.27993	hyper	sig	chr2_234974984
chr16	75253106	75253106	+	4.019E-32	3.9879E-30	0.368372	hyper	sig	chr16_75253106
chr19	57935068	57935068	+	4.018E-32	3.9879E-30	0.401737	hyper	sig	chr19_57935068
chr5	42943950	42943950	+	4.024E-32	3.9926E-30	0.400134	hyper	sig	chr5_42943950
chr3	1.54E+08	154429105	+	4.028E-32	3.9958E-30	0.304555	hyper	sig	chr3_154429105
chr16	85449272	85449272	+	4.032E-32	3.9998E-30	-0.35327	hypo	sig	chr16_85449272
chr9	35676203	35676203	+	4.033E-32	3.9998E-30	0.286641	hyper	sig	chr9_35676203
chr6	1.06E+08	105986554	+	4.038E-32	4.0046E-30	0.336939	hyper	sig	chr6_105986554
chr1	25872247	25872247	+	4.061E-32	4.0267E-30	0.334665	hyper	sig	chr1_25872247
chr2	98735087	98735087	+	4.068E-32	4.0335E-30	-0.29703	hypo	sig	chr2_98735087

chr12	89350832	89350832	+	4.07E-32	4.0344E-30	-0.3227	hypo	sig	chr12_89350832
chr7	1602588	1602588	+	4.07E-32	4.0347E-30	-0.39299	hypo	sig	chr7_1602588
chr12	1.14E+08	114400560	+	4.074E-32	4.0376E-30	0.355251	hyper	sig	chr12_114400560
chr7	2063613	2063613	+	4.077E-32	4.0401E-30	-0.318	hypo	sig	chr7_2063613
chr12	5044008	5044008	+	4.095E-32	4.0575E-30	0.461533	hyper	sig	chr12_5044008
chr1	1.57E+08	156727249	+	4.096E-32	4.0583E-30	-0.36312	hypo	sig	chr1_156727249
chr1	57422942	57422942	+	4.099E-32	4.0605E-30	0.281703	hyper	sig	chr1_57422942
chr7	50400267	50400267	+	4.101E-32	4.0624E-30	0.412905	hyper	sig	chr7_50400267
chr7	5349132	5349132	+	4.139E-32	4.0991E-30	0.334873	hyper	sig	chr7_5349132
chr11	72244355	72244355	+	4.14E-32	4.0994E-30	0.376563	hyper	sig	chr11_72244355
chr2	1.61E+08	161281169	+	4.15E-32	4.1088E-30	-0.43887	hypo	sig	chr2_161281169
chr6	98847871	98847871	+	4.151E-32	4.1098E-30	0.31251	hyper	sig	chr6_98847871
chr7	1922388	1922388	+	4.153E-32	4.1116E-30	-0.36689	hypo	sig	chr7_1922388
chr13	40187983	40187983	+	4.165E-32	4.1229E-30	-0.31302	hypo	sig	chr13_40187983
chr17	58157577	58157577	+	4.169E-32	4.1258E-30	0.362621	hyper	sig	chr17_58157577
chr14	74019948	74019948	+	4.178E-32	4.1342E-30	0.3023	hyper	sig	chr14_74019948
chr12	1.2E+08	120100877	+	4.179E-32	4.1346E-30	0.351462	hyper	sig	chr12_120100877
chr2	74436471	74436471	+	4.181E-32	4.1364E-30	0.311416	hyper	sig	chr2_74436471
chr14	28774293	28774293	+	4.192E-32	4.1466E-30	0.31592	hyper	sig	chr14_28774293
chr2	74415787	74415787	+	4.199E-32	4.1536E-30	0.358085	hyper	sig	chr2_74415787
chr5	3602193	3602193	+	4.217E-32	4.1704E-30	0.343146	hyper	sig	chr5_3602193
chr10	1.33E+08	133230004	+	4.218E-32	4.1714E-30	0.278482	hyper	sig	chr10_133230004
chr11	69818961	69818961	+	4.221E-32	4.1731E-30	0.328326	hyper	sig	chr11_69818961
chr4	26804609	26804609	+	4.221E-32	4.1731E-30	0.294258	hyper	sig	chr4_26804609
chr6	50707843	50707843	+	4.222E-32	4.1734E-30	0.321229	hyper	sig	chr6_50707843
chr11	70410545	70410545	+	4.235E-32	4.1862E-30	0.281626	hyper	sig	chr11_70410545
chr20	45298011	45298011	+	4.239E-32	4.1888E-30	-0.49167	hypo	sig	chr20_45298011
chr3	1.33E+08	133410696	+	4.24E-32	4.1896E-30	-0.30629	hypo	sig	chr3_133410696
chr12	1.21E+08	121132947	+	4.241E-32	4.1897E-30	0.29482	hyper	sig	chr12_121132947
chr6	30260365	30260365	+	4.242E-32	4.1904E-30	0.289717	hyper	sig	chr6_30260365
chr2	2.38E+08	238260905	+	4.254E-32	4.2023E-30	0.327258	hyper	sig	chr2_238260905
chr2	1742463	1742463	+	4.26E-32	4.2072E-30	0.320402	hyper	sig	chr2_1742463
chr7	5303216	5303216	+	4.272E-32	4.2189E-30	-0.38923	hypo	sig	chr7_5303216
chr18	11751498	11751498	+	4.277E-32	4.2229E-30	0.339422	hyper	sig	chr18_11751498
chr2	1.24E+08	124422677	+	4.279E-32	4.2247E-30	-0.34696	hypo	sig	chr2_124422677
chr10	1.23E+08	123143772	+	4.319E-32	4.2639E-30	0.349737	hyper	sig	chr10_123143772
chr19	4531660	4531660	+	4.321E-32	4.2645E-30	-0.33975	hypo	sig	chr19_4531660
chr11	31805533	31805533	+	4.324E-32	4.2677E-30	0.328372	hyper	sig	chr11_31805533
chr15	62940965	62940965	+	4.328E-32	4.2706E-30	0.330181	hyper	sig	chr15_62940965
chr13	1.14E+08	114005019	+	4.33E-32	4.2721E-30	-0.41889	hypo	sig	chr13_114005019
chr12	1.33E+08	132524537	+	4.337E-32	4.2785E-30	-0.54173	hypo	sig	chr12_132524537
chr11	65872400	65872400	+	4.341E-32	4.2819E-30	0.385425	hyper	sig	chr11_65872400
chr1	90724736	90724736	+	4.344E-32	4.2841E-30	0.253208	hyper	sig	chr1_90724736
chr3	1.38E+08	137763408	+	4.357E-32	4.2962E-30	0.326055	hyper	sig	chr3_137763408
chr7	1.58E+08	157553962	+	4.357E-32	4.2962E-30	-0.43548	hypo	sig	chr7_157553962
chr1	24931024	24931024	+	4.367E-32	4.3056E-30	0.416182	hyper	sig	chr1_24931024
chr22	33058578	33058578	+	4.376E-32	4.3139E-30	0.307493	hyper	sig	chr22_33058578
chr11	64061200	64061200	+	4.381E-32	4.3184E-30	0.343432	hyper	sig	chr11_64061200
chr19	17406412	17406412	+	4.39E-32	4.3265E-30	-0.33073	hypo	sig	chr19_17406412
chr7	1E+08	100177891	+	4.404E-32	4.3396E-30	0.349436	hyper	sig	chr7_100177891
chr19	35225073	35225073	+	4.416E-32	4.3512E-30	0.363076	hyper	sig	chr19_35225073
chr3	1.72E+08	172448498	+	4.424E-32	4.3582E-30	0.425916	hyper	sig	chr3_172448498
chr8	1622469	1622469	+	4.425E-32	4.3587E-30	-0.32195	hypo	sig	chr8_1622469
chr11	20163276	20163276	+	4.426E-32	4.3598E-30	0.281219	hyper	sig	chr11_20163276
chr1	37557049	37557049	+	4.453E-32	4.3855E-30	0.320417	hyper	sig	chr1_37557049
chr7	1.22E+08	122310217	+	4.459E-32	4.3914E-30	0.292617	hyper	sig	chr7_122310217

chr13	27793673	27793673	+	4.478E-32	4.4088E-30	0.449762	hyper	sig	chr13_27793673
chr19	49436692	49436692	+	4.5E-32	4.4303E-30	0.315813	hyper	sig	chr19_49436692
chr11	1.29E+08	128824295	+	4.508E-32	4.438E-30	0.394078	hyper	sig	chr11_128824295
chr16	29218832	29218832	+	4.516E-32	4.4449E-30	-0.38417	hypo	sig	chr16_29218832
chr19	35558504	35558504	+	4.519E-32	4.4474E-30	0.39445	hyper	sig	chr19_35558504
chr6	1.06E+08	105993604	+	4.527E-32	4.4551E-30	0.341872	hyper	sig	chr6_105993604
chr10	5551887	5551887	+	4.536E-32	4.463E-30	-0.4006	hypo	sig	chr10_5551887
chr4	2625371	2625371	+	4.54E-32	4.4666E-30	0.308093	hyper	sig	chr4_2625371
chr12	6778360	6778360	+	4.543E-32	4.4679E-30	0.353146	hyper	sig	chr12_6778360
chr19	15010697	15010697	+	4.543E-32	4.4679E-30	0.422587	hyper	sig	chr19_15010697
chr22	48977364	48977364	+	4.543E-32	4.4679E-30	-0.35225	hypo	sig	chr22_48977364
chr5	1.41E+08	141476898	+	4.553E-32	4.4775E-30	0.229725	hyper	sig	chr5_141476898
chr2	70790474	70790474	+	4.555E-32	4.4786E-30	0.268438	hyper	sig	chr2_70790474
chr1	2E+08	200036132	+	4.571E-32	4.4937E-30	0.392416	hyper	sig	chr1_200036132
chr14	1.01E+08	100687704	+	4.573E-32	4.4954E-30	-0.33667	hypo	sig	chr14_100687704
chr5	1.41E+08	141351795	+	4.62E-32	4.5411E-30	0.335006	hyper	sig	chr5_141351795
chr22	45671194	45671194	+	4.625E-32	4.5449E-30	0.303727	hyper	sig	chr22_45671194
chr10	79178915	79178915	+	4.63E-32	4.5496E-30	0.333966	hyper	sig	chr10_79178915
chr5	14440395	14440395	+	4.65E-32	4.5681E-30	0.333218	hyper	sig	chr5_14440395
chr1	1.47E+08	147078905	+	4.661E-32	4.5786E-30	0.353849	hyper	sig	chr1_147078905
chr8	1.42E+08	142451380	+	4.687E-32	4.6036E-30	0.405463	hyper	sig	chr8_142451380
chr14	28774323	28774323	+	4.695E-32	4.6113E-30	0.357706	hyper	sig	chr14_28774323
chr17	64778502	64778502	+	4.741E-32	4.6561E-30	0.314811	hyper	sig	chr17_64778502
chr2	467853	467853	+	4.779E-32	4.6924E-30	0.366794	hyper	sig	chr2_467853
chr11	32433329	32433329	+	4.796E-32	4.7082E-30	0.318584	hyper	sig	chr11_32433329
chr19	10604939	10604939	+	4.797E-32	4.7086E-30	-0.35451	hypo	sig	chr19_10604939
chr2	1.32E+08	131589292	+	4.801E-32	4.7121E-30	-0.39628	hypo	sig	chr2_131589292
chr6	27680552	27680552	+	4.827E-32	4.7368E-30	0.349649	hyper	sig	chr6_27680552
chr20	8132944	8132944	+	4.841E-32	4.7503E-30	0.323452	hyper	sig	chr20_8132944
chr1	6520248	6520248	+	4.897E-32	4.8049E-30	0.37572	hyper	sig	chr1_6520248
chr19	50692161	50692161	+	4.926E-32	4.8329E-30	-0.35481	hypo	sig	chr19_50692161
chr1	14945840	14945840	+	4.933E-32	4.8393E-30	0.333941	hyper	sig	chr1_14945840
chr6	1.27E+08	127119658	+	4.96E-32	4.8645E-30	0.272687	hyper	sig	chr6_127119658
chr19	52536220	52536220	+	4.963E-32	4.8671E-30	0.346674	hyper	sig	chr19_52536220
chr2	44164197	44164197	+	4.965E-32	4.8684E-30	-0.34373	hypo	sig	chr2_44164197
chr2	70790442	70790442	+	4.972E-32	4.8747E-30	0.331522	hyper	sig	chr2_70790442
chr19	58054497	58054497	+	4.977E-32	4.8795E-30	-0.41152	hypo	sig	chr19_58054497
chr8	70070841	70070841	+	4.984E-32	4.8857E-30	0.273175	hyper	sig	chr8_70070841
chr16	85534614	85534614	+	5.011E-32	4.9111E-30	0.284742	hyper	sig	chr16_85534614
chr11	20601729	20601729	+	5.024E-32	4.9232E-30	0.364722	hyper	sig	chr11_20601729
chr9	1.1E+08	109640225	+	5.04E-32	4.939E-30	0.298095	hyper	sig	chr9_109640225
chr8	71842970	71842970	+	5.055E-32	4.9528E-30	0.329363	hyper	sig	chr8_71842970
chr2	2.34E+08	233939198	+	5.057E-32	4.9539E-30	0.368424	hyper	sig	chr2_233939198
chr7	37449030	37449030	+	5.069E-32	4.9649E-30	0.276446	hyper	sig	chr7_37449030
chr1	54273492	54273492	+	5.071E-32	4.9666E-30	0.42106	hyper	sig	chr1_54273492
chr17	45430203	45430203	+	5.074E-32	4.9688E-30	0.40378	hyper	sig	chr17_45430203
chr7	1.55E+08	155466170	+	5.096E-32	4.9897E-30	0.347115	hyper	sig	chr7_155466170
chr17	81472176	81472176	+	5.103E-32	4.9957E-30	0.333792	hyper	sig	chr17_81472176
chr4	20253720	20253720	+	5.108E-32	5.0005E-30	0.311542	hyper	sig	chr4_20253720
chr10	50024979	50024979	+	5.129E-32	5.0208E-30	0.326772	hyper	sig	chr10_50024979
chr19	39824371	39824371	+	5.138E-32	5.029E-30	0.20116	hyper	sig	chr19_39824371
chr17	64778537	64778537	+	5.141E-32	5.0307E-30	0.285079	hyper	sig	chr17_64778537
chr8	17027785	17027785	+	5.159E-32	5.0481E-30	0.358649	hyper	sig	chr8_17027785
chr12	52404615	52404615	+	5.161E-32	5.0494E-30	-0.32701	hypo	sig	chr12_52404615
chr19	10817967	10817967	+	5.179E-32	5.0664E-30	0.27019	hyper	sig	chr19_10817967
chr6	50715886	50715886	+	5.181E-32	5.0678E-30	0.39233	hyper	sig	chr6_50715886

chr1	12063463	12063463	+	5.183E-32	5.0693E-30	0.253298	hyper	sig	chr1_12063463
chr18	58255509	58255509	+	5.196E-32	5.0802E-30	0.398152	hyper	sig	chr18_58255509
chr3	44022052	44022052	+	5.196E-32	5.0802E-30	0.272071	hyper	sig	chr3_44022052
chr9	1.33E+08	132579830	+	5.198E-32	5.0816E-30	0.270114	hyper	sig	chr9_132579830
chr7	73735319	73735319	+	5.218E-32	5.1004E-30	-0.41533	hypo	sig	chr7_73735319
chr15	1E+08	100111305	+	5.232E-32	5.1137E-30	-0.31431	hypo	sig	chr15_100111305
chr6	1.68E+08	167815920	+	5.288E-32	5.1679E-30	-0.39061	hypo	sig	chr6_167815920
chr6	1.51E+08	151240033	+	5.302E-32	5.1814E-30	0.266589	hyper	sig	chr6_151240033
chr3	1.93E+08	192514300	+	5.309E-32	5.1875E-30	0.390262	hyper	sig	chr3_192514300
chr11	65069509	65069509	+	5.317E-32	5.1939E-30	-0.29483	hypo	sig	chr11_65069509
chr6	30172385	30172385	+	5.326E-32	5.2025E-30	0.356061	hyper	sig	chr6_30172385
chr3	46576835	46576835	+	5.336E-32	5.2117E-30	0.393986	hyper	sig	chr3_46576835
chr14	1.01E+08	101060735	+	5.339E-32	5.2143E-30	-0.33048	hypo	sig	chr14_101060735
chr1	39688942	39688942	+	5.38E-32	5.2533E-30	-0.31898	hypo	sig	chr1_39688942
chr4	1.4E+08	140256602	+	5.383E-32	5.2554E-30	-0.31826	hypo	sig	chr4_140256602
chr6	1.19E+08	119150012	+	5.394E-32	5.266E-30	-0.31779	hypo	sig	chr6_119150012
chr3	1.96E+08	195851388	+	5.395E-32	5.2666E-30	-0.22341	hypo	sig	chr3_195851388
chr21	36697116	36697116	+	5.423E-32	5.293E-30	0.33671	hyper	sig	chr21_36697116
chr19	53521552	53521552	+	5.451E-32	5.3197E-30	0.30774	hyper	sig	chr19_53521552
chr12	29783553	29783553	+	5.466E-32	5.3336E-30	0.296595	hyper	sig	chr12_29783553
chr7	37449021	37449021	+	5.473E-32	5.3395E-30	0.258054	hyper	sig	chr7_37449021
chr18	52339934	52339934	+	5.48E-32	5.3452E-30	0.260147	hyper	sig	chr18_52339934
chr21	45303284	45303284	+	5.48E-32	5.3452E-30	-0.36492	hypo	sig	chr21_45303284
chr13	25046898	25046898	+	5.546E-32	5.4087E-30	0.373101	hyper	sig	chr13_25046898
chr11	364623	364623	+	5.554E-32	5.4156E-30	-0.35358	hypo	sig	chr11_364623
chr19	12513744	12513744	+	5.554E-32	5.4156E-30	0.405967	hyper	sig	chr19_12513744
chr6	1.08E+08	108171166	+	5.563E-32	5.4235E-30	0.39656	hyper	sig	chr6_108171166
chr2	2.42E+08	241985252	+	5.57E-32	5.4295E-30	-0.4684	hypo	sig	chr2_241985252
chr8	1.44E+08	143598939	+	5.583E-32	5.4421E-30	0.34322	hyper	sig	chr8_143598939
chr11	1.29E+08	128824493	+	5.616E-32	5.4736E-30	0.411215	hyper	sig	chr11_128824493
chr19	37817752	37817752	+	5.631E-32	5.4875E-30	0.410714	hyper	sig	chr19_37817752
chr3	1.14E+08	114103649	+	5.634E-32	5.4894E-30	-0.34832	hypo	sig	chr3_114103649
chr3	1.88E+08	187670406	+	5.635E-32	5.4894E-30	0.316559	hyper	sig	chr3_187670406
chr17	80280152	80280152	+	5.676E-32	5.529E-30	0.349634	hyper	sig	chr17_80280152
chr17	82332242	82332242	+	5.699E-32	5.5513E-30	-0.32835	hypo	sig	chr17_82332242
chr1	32199849	32199849	+	5.701E-32	5.5524E-30	0.326639	hyper	sig	chr1_32199849
chr20	30891901	30891901	+	5.702E-32	5.5529E-30	0.454918	hyper	sig	chr20_30891901
chr19	42005649	42005649	+	5.706E-32	5.5558E-30	-0.30178	hypo	sig	chr19_42005649
chr12	72273601	72273601	+	5.71E-32	5.5592E-30	0.367683	hyper	sig	chr12_72273601
chr5	1.5E+08	150488796	+	5.72E-32	5.5683E-30	0.297804	hyper	sig	chr5_150488796
chr16	67843490	67843490	+	5.734E-32	5.5804E-30	0.267478	hyper	sig	chr16_67843490
chr12	53973032	53973032	+	5.767E-32	5.6122E-30	0.33268	hyper	sig	chr12_53973032
chr13	78596916	78596916	+	5.79E-32	5.6345E-30	0.307526	hyper	sig	chr13_78596916
chr17	76039535	76039535	+	5.792E-32	5.635E-30	0.280659	hyper	sig	chr17_76039535
chr12	1.2E+08	119803503	+	5.802E-32	5.6444E-30	0.355378	hyper	sig	chr12_119803503
chr22	31095585	31095585	+	5.81E-32	5.6517E-30	0.311215	hyper	sig	chr22_31095585
chr8	1.41E+08	141170296	+	5.835E-32	5.6749E-30	0.232374	hyper	sig	chr8_141170296
chr10	11892354	11892354	+	5.838E-32	5.6772E-30	-0.28568	hypo	sig	chr10_11892354
chr1	1.19E+08	119006582	+	5.843E-32	5.6813E-30	0.333023	hyper	sig	chr1_119006582
chr20	21517615	21517615	+	5.851E-32	5.6885E-30	0.3364	hyper	sig	chr20_21517615
chr1	1.65E+08	165445200	+	5.857E-32	5.694E-30	0.307825	hyper	sig	chr1_165445200
chr11	45209546	45209546	+	5.871E-32	5.7066E-30	0.284117	hyper	sig	chr11_45209546
chr19	1993088	1993088	+	5.884E-32	5.7182E-30	-0.34596	hypo	sig	chr19_1993088
chr17	75784220	75784220	+	5.89E-32	5.7235E-30	-0.28524	hypo	sig	chr17_75784220
chr7	1.55E+08	155466198	+	5.897E-32	5.7298E-30	0.354149	hyper	sig	chr7_155466198
chr13	1.13E+08	113449566	+	5.925E-32	5.7563E-30	-0.33768	hypo	sig	chr13_113449566

chr16	86579996	86579996	+	5.949E-32	5.7793E-30	0.406191	hyper	sig	chr16_86579996
chr20	56004279	56004279	+	5.975E-32	5.8032E-30	0.371195	hyper	sig	chr20_56004279
chr2	2.28E+08	228182069	+	5.976E-32	5.8036E-30	0.414052	hyper	sig	chr2_228182069
chr12	84912623	84912623	+	5.995E-32	5.8217E-30	0.390732	hyper	sig	chr12_84912623
chr6	29553334	29553334	+	6.013E-32	5.8381E-30	0.290583	hyper	sig	chr6_29553334
chr7	24284315	24284315	+	6.014E-32	5.8385E-30	0.357414	hyper	sig	chr7_24284315
chr16	57802832	57802832	+	6.038E-32	5.8609E-30	0.336871	hyper	sig	chr16_57802832
chr6	28634890	28634890	+	6.051E-32	5.8734E-30	0.334475	hyper	sig	chr6_28634890
chr5	2749627	2749627	+	6.068E-32	5.8887E-30	0.397331	hyper	sig	chr5_2749627
chr12	40693376	40693376	+	6.07E-32	5.8906E-30	0.302184	hyper	sig	chr12_40693376
chr11	44955609	44955609	+	6.072E-32	5.8915E-30	-0.38514	hypo	sig	chr11_44955609
chr7	4725700	4725700	+	6.082E-32	5.9009E-30	0.334875	hyper	sig	chr7_4725700
chr1	1.19E+08	118986271	+	6.084E-32	5.902E-30	0.377083	hyper	sig	chr1_118986271
chr16	86513918	86513918	+	6.088E-32	5.9048E-30	0.371549	hyper	sig	chr16_86513918
chr2	1.05E+08	104856712	+	6.093E-32	5.9089E-30	0.306391	hyper	sig	chr2_104856712
chr13	36297604	36297604	+	6.115E-32	5.9301E-30	0.228514	hyper	sig	chr13_36297604
chr19	49133337	49133337	+	6.125E-32	5.939E-30	0.363012	hyper	sig	chr19_49133337
chr6	31058172	31058172	+	6.139E-32	5.9511E-30	-0.39304	hypo	sig	chr6_31058172
chr7	1E+08	100177917	+	6.139E-32	5.9511E-30	0.379608	hyper	sig	chr7_100177917
chr1	2.33E+08	232805424	+	6.141E-32	5.9519E-30	0.216569	hyper	sig	chr1_232805424
chr6	436905	436905	+	6.151E-32	5.9607E-30	-0.35576	hypo	sig	chr6_436905
chr5	1.7E+08	170297690	+	6.164E-32	5.9727E-30	-0.36874	hypo	sig	chr5_170297690
chr2	2.38E+08	238142193	+	6.166E-32	5.9737E-30	-0.3614	hypo	sig	chr2_238142193
chr19	3881275	3881275	+	6.175E-32	5.9822E-30	0.349516	hyper	sig	chr19_3881275
chr6	29554055	29554055	+	6.184E-32	5.99E-30	0.431083	hyper	sig	chr6_29554055
chr12	70920535	70920535	+	6.185E-32	5.9904E-30	0.384166	hyper	sig	chr12_70920535
chr1	21338289	21338289	+	6.231E-32	6.0341E-30	0.386959	hyper	sig	chr1_21338289
chr16	51156304	51156304	+	6.239E-32	6.0412E-30	0.365298	hyper	sig	chr16_51156304
chr13	26742417	26742417	+	6.26E-32	6.0608E-30	-0.36841	hypo	sig	chr13_26742417
chr16	62036186	62036186	+	6.263E-32	6.0627E-30	0.336774	hyper	sig	chr16_62036186
chr1	3650728	3650728	+	6.267E-32	6.0661E-30	0.348523	hyper	sig	chr1_3650728
chr16	85335360	85335360	+	6.298E-32	6.0952E-30	-0.37362	hypo	sig	chr16_85335360
chr1	2.44E+08	243917763	+	6.305E-32	6.1014E-30	0.300524	hyper	sig	chr1_243917763
chr2	45759447	45759447	+	6.327E-32	6.1222E-30	0.386584	hyper	sig	chr2_45759447
chr19	37551207	37551207	+	6.353E-32	6.1467E-30	0.38371	hyper	sig	chr19_37551207
chr3	96776285	96776285	+	6.356E-32	6.1483E-30	-0.36151	hypo	sig	chr3_96776285
chr5	1.16E+08	115816618	+	6.356E-32	6.1483E-30	0.339012	hyper	sig	chr5_115816618
chr4	1.11E+08	110641357	+	6.402E-32	6.1907E-30	0.359394	hyper	sig	chr4_110641357
chr6	42727316	42727316	+	6.401E-32	6.1907E-30	0.43035	hyper	sig	chr6_42727316
chr7	8441206	8441206	+	6.408E-32	6.196E-30	0.37109	hyper	sig	chr7_8441206
chr1	1.13E+08	112850769	+	6.409E-32	6.1967E-30	-0.37561	hypo	sig	chr1_112850769
chr4	1.47E+08	146640623	+	6.414E-32	6.1995E-30	0.357292	hyper	sig	chr4_146640623
chr8	1.42E+08	141760558	+	6.413E-32	6.1995E-30	-0.36793	hypo	sig	chr8_141760558
chr5	1.41E+08	141123309	+	6.415E-32	6.1999E-30	0.36895	hyper	sig	chr5_141123309
chr19	3383582	3383582	+	6.429E-32	6.213E-30	0.351383	hyper	sig	chr19_3383582
chr12	1.22E+08	122059490	+	6.435E-32	6.218E-30	0.374867	hyper	sig	chr12_122059490
chr4	1.47E+08	146640556	+	6.46E-32	6.2412E-30	0.362899	hyper	sig	chr4_146640556
chr13	1.12E+08	112106664	+	6.509E-32	6.2877E-30	0.304849	hyper	sig	chr13_112106664
chr7	74455879	74455879	+	6.51E-32	6.2881E-30	-0.36839	hypo	sig	chr7_74455879
chr3	1.13E+08	113441282	+	6.511E-32	6.2886E-30	0.361518	hyper	sig	chr3_113441282
chr1	1007299	1007299	+	6.539E-32	6.3146E-30	-0.29473	hypo	sig	chr1_1007299
chr8	76683150	76683150	+	6.541E-32	6.3152E-30	0.391267	hyper	sig	chr8_76683150
chr2	44943157	44943157	+	6.554E-32	6.3273E-30	0.402598	hyper	sig	chr2_44943157
chr4	7965568	7965568	+	6.567E-32	6.3392E-30	-0.3684	hypo	sig	chr4_7965568
chr11	20606053	20606053	+	6.571E-32	6.3422E-30	0.347096	hyper	sig	chr11_20606053
chr5	172805	172805	+	6.585E-32	6.3553E-30	-0.38382	hypo	sig	chr5_172805

chr11	69819716	69819716	+	6.61E-32	6.3782E-30	0.33303	hyper	sig	chr11_69819716
chr19	57584094	57584094	+	6.611E-32	6.3786E-30	0.339981	hyper	sig	chr19_57584094
chr13	37869567	37869567	+	6.613E-32	6.3801E-30	0.364595	hyper	sig	chr13_37869567
chr5	959026	959026	+	6.65E-32	6.4144E-30	-0.36123	hypo	sig	chr5_959026
chr14	41606401	41606401	+	6.653E-32	6.4171E-30	0.36093	hyper	sig	chr14_41606401
chr16	1991579	1991579	+	6.668E-32	6.4308E-30	0.409736	hyper	sig	chr16_1991579
chr11	1.35E+08	134664622	+	6.72E-32	6.4801E-30	-0.3922	hypo	sig	chr11_134664622
chr6	99605466	99605466	+	6.763E-32	6.521E-30	0.283848	hyper	sig	chr6_99605466
chr17	76643846	76643846	+	6.774E-32	6.5302E-30	-0.29136	hypo	sig	chr17_76643846
chr3	62370610	62370610	+	6.777E-32	6.5326E-30	0.347558	hyper	sig	chr3_62370610
chr8	70070783	70070783	+	6.784E-32	6.5384E-30	0.359705	hyper	sig	chr8_70070783
chr11	66677024	66677024	+	6.792E-32	6.5459E-30	0.335728	hyper	sig	chr11_66677024
chr13	1.13E+08	113098379	+	6.794E-32	6.5465E-30	0.330353	hyper	sig	chr13_113098379
chr2	28346716	28346716	+	6.801E-32	6.5522E-30	0.294912	hyper	sig	chr2_28346716
chr8	1.43E+08	143132175	+	6.801E-32	6.5522E-30	-0.31009	hypo	sig	chr8_143132175
chr19	5294153	5294153	+	6.814E-32	6.5633E-30	0.351891	hyper	sig	chr19_5294153
chr17	15619556	15619556	+	6.826E-32	6.5741E-30	0.383601	hyper	sig	chr17_15619556
chr12	1.32E+08	132446323	+	6.837E-32	6.5837E-30	-0.31784	hypo	sig	chr12_132446323
chr17	40936802	40936802	+	6.852E-32	6.5974E-30	-0.38104	hypo	sig	chr17_40936802
chr4	1.74E+08	174217840	+	6.872E-32	6.6162E-30	0.252489	hyper	sig	chr4_174217840
chr16	23838785	23838785	+	6.879E-32	6.6217E-30	-0.38215	hypo	sig	chr16_23838785
chr7	1.08E+08	108457048	+	6.879E-32	6.6217E-30	0.456619	hyper	sig	chr7_108457048
chr17	2421832	2421832	+	6.913E-32	6.6532E-30	0.281099	hyper	sig	chr17_2421832
chr9	1.27E+08	127122178	+	6.958E-32	6.6961E-30	0.396181	hyper	sig	chr9_127122178
chr5	31682367	31682367	+	6.965E-32	6.7018E-30	0.411148	hyper	sig	chr5_31682367
chr19	21463592	21463592	+	6.983E-32	6.7185E-30	0.313069	hyper	sig	chr19_21463592
chr19	35558495	35558495	+	6.991E-32	6.7253E-30	0.384069	hyper	sig	chr19_35558495
chr10	3786761	3786761	+	6.999E-32	6.7318E-30	-0.35575	hypo	sig	chr10_3786761
chr2	2.42E+08	242031718	+	7.015E-32	6.7463E-30	-0.37772	hypo	sig	chr2_242031718
chr15	85413675	85413675	+	7.045E-32	6.7749E-30	-0.25498	hypo	sig	chr15_85413675
chr13	93228623	93228623	+	7.054E-32	6.7823E-30	0.249837	hyper	sig	chr13_93228623
chr20	52104680	52104680	+	7.054E-32	6.7823E-30	0.438453	hyper	sig	chr20_52104680
chr7	868423	868423	+	7.057E-32	6.7842E-30	0.268073	hyper	sig	chr7_868423
chr19	12092383	12092383	+	7.081E-32	6.8064E-30	0.288905	hyper	sig	chr19_12092383
chr22	44181255	44181255	+	7.1E-32	6.8233E-30	-0.36678	hypo	sig	chr22_44181255
chr11	66011520	66011520	+	7.133E-32	6.8536E-30	-0.35488	hypo	sig	chr11_66011520
chr19	36419011	36419011	+	7.132E-32	6.8536E-30	0.289296	hyper	sig	chr19_36419011
chr13	1.11E+08	110628690	+	7.149E-32	6.8685E-30	0.315694	hyper	sig	chr13_110628690
chr16	2836245	2836245	+	7.181E-32	6.8982E-30	-0.30584	hypo	sig	chr16_2836245
chr19	12266341	12266341	+	7.182E-32	6.8982E-30	0.323585	hyper	sig	chr19_12266341
chr20	62563949	62563949	+	7.298E-32	7.0085E-30	-0.36119	hypo	sig	chr20_62563949
chr13	24511267	24511267	+	7.3E-32	7.0103E-30	-0.30966	hypo	sig	chr13_24511267
chr8	64379660	64379660	+	7.322E-32	7.0302E-30	0.350285	hyper	sig	chr8_64379660
chr5	51389716	51389716	+	7.326E-32	7.0335E-30	0.298595	hyper	sig	chr5_51389716
chr6	26743508	26743508	+	7.332E-32	7.0387E-30	0.374423	hyper	sig	chr6_26743508
chr19	33684555	33684555	+	7.349E-32	7.0537E-30	0.290534	hyper	sig	chr19_33684555
chr1	1.97E+08	196608579	+	7.368E-32	7.0717E-30	0.231291	hyper	sig	chr1_196608579
chr2	1.82E+08	181682872	+	7.375E-32	7.0767E-30	0.44058	hyper	sig	chr2_181682872
chr4	1.64E+08	164384156	+	7.379E-32	7.0804E-30	0.331748	hyper	sig	chr4_164384156
chr1	27351547	27351547	+	7.397E-32	7.0967E-30	0.365467	hyper	sig	chr1_27351547
chr7	27103026	27103026	+	7.449E-32	7.1457E-30	0.428883	hyper	sig	chr7_27103026
chr7	50502428	50502428	+	7.483E-32	7.177E-30	0.373126	hyper	sig	chr7_50502428
chr7	772061	772061	+	7.487E-32	7.1799E-30	0.246489	hyper	sig	chr7_772061
chr21	36707202	36707202	+	7.5E-32	7.1915E-30	0.395311	hyper	sig	chr21_36707202
chr3	1.54E+08	154429021	+	7.551E-32	7.2404E-30	0.321783	hyper	sig	chr3_154429021
chr1	2274487	2274487	+	7.567E-32	7.2545E-30	0.417301	hyper	sig	chr1_2274487

chr2	418075	418075	+	7.576E-32	7.2618E-30	-0.33021	hypo	sig	chr2_418075
chr6	99602956	99602956	+	7.584E-32	7.2689E-30	0.295137	hyper	sig	chr6_99602956
chr16	8712833	8712833	+	7.606E-32	7.2897E-30	0.307517	hyper	sig	chr16_8712833
chr7	27118199	27118199	+	7.612E-32	7.2937E-30	0.42331	hyper	sig	chr7_27118199
chr3	13019474	13019474	+	7.618E-32	7.2991E-30	0.316764	hyper	sig	chr3_13019474
chr1	2.01E+08	201024052	+	7.626E-32	7.3057E-30	-0.31459	hypo	sig	chr1_201024052
chr8	2564456	2564456	+	7.64E-32	7.3184E-30	-0.38187	hypo	sig	chr8_2564456
chr15	77822546	77822546	+	7.66E-32	7.3366E-30	-0.37214	hypo	sig	chr15_77822546
chr7	1.43E+08	142862439	+	7.675E-32	7.3505E-30	-0.45094	hypo	sig	chr7_142862439
chr1	2.33E+08	232805320	+	7.681E-32	7.3542E-30	0.204277	hyper	sig	chr1_232805320
chr2	1602155	1602155	+	7.68E-32	7.3542E-30	0.313582	hyper	sig	chr2_1602155
chr1	1.97E+08	196608611	+	7.687E-32	7.3594E-30	0.318135	hyper	sig	chr1_196608611
chr1	10672299	10672299	+	7.69E-32	7.3606E-30	0.517841	hyper	sig	chr1_10672299
chr12	1.27E+08	126741517	+	7.695E-32	7.3648E-30	-0.30678	hypo	sig	chr12_126741517
chr19	55087489	55087489	+	7.705E-32	7.3732E-30	0.388547	hyper	sig	chr19_55087489
chr20	761116	761116	+	7.718E-32	7.3854E-30	0.382165	hyper	sig	chr20_761116
chr4	1.07E+08	107035862	+	7.73E-32	7.3956E-30	0.318585	hyper	sig	chr4_107035862
chr13	56910285	56910285	+	7.771E-32	7.4338E-30	-0.39403	hypo	sig	chr13_56910285
chr2	2.33E+08	233449349	+	7.792E-32	7.4538E-30	0.344103	hyper	sig	chr2_233449349
chr16	67163752	67163752	+	7.801E-32	7.4612E-30	0.361422	hyper	sig	chr16_67163752
chr5	76085178	76085178	+	7.831E-32	7.4885E-30	0.253117	hyper	sig	chr5_76085178
chr19	5288217	5288217	+	7.847E-32	7.5037E-30	-0.38107	hypo	sig	chr19_5288217
chr13	45923601	45923601	+	7.855E-32	7.5101E-30	-0.34772	hypo	sig	chr13_45923601
chr7	44067977	44067977	+	7.869E-32	7.5225E-30	-0.41874	hypo	sig	chr7_44067977
chr13	1.13E+08	113109877	+	7.874E-32	7.5266E-30	0.461364	hyper	sig	chr13_113109877
chr1	2.28E+08	228464427	+	7.888E-32	7.539E-30	0.250301	hyper	sig	chr1_228464427
chr5	1404903	1404903	+	7.889E-32	7.539E-30	-0.34825	hypo	sig	chr5_1404903
chr6	30164022	30164022	+	7.899E-32	7.548E-30	-0.33554	hypo	sig	chr6_30164022
chr11	1.29E+08	128824291	+	7.906E-32	7.5538E-30	0.404827	hyper	sig	chr11_128824291
chr14	68632395	68632395	+	7.929E-32	7.5743E-30	0.234477	hyper	sig	chr14_68632395
chr9	970610	970610	+	7.947E-32	7.5906E-30	0.307704	hyper	sig	chr9_970610
chr5	1.51E+08	150946420	+	7.956E-32	7.599E-30	0.388301	hyper	sig	chr5_150946420
chr10	49115164	49115164	+	7.961E-32	7.6029E-30	0.311845	hyper	sig	chr10_49115164
chr7	97022549	97022549	+	7.979E-32	7.6185E-30	0.402304	hyper	sig	chr7_97022549
chr1	1.99E+08	198679757	+	7.981E-32	7.6196E-30	-0.37763	hypo	sig	chr1_198679757
chr7	2729999	2729999	+	7.991E-32	7.6286E-30	0.371002	hyper	sig	chr7_2729999
chr13	27927972	27927972	+	8E-32	7.6362E-30	0.348366	hyper	sig	chr13_27927972
chr2	1.27E+08	127175979	+	8.011E-32	7.6456E-30	0.310151	hyper	sig	chr2_127175979
chr4	1.53E+08	153249532	+	8.038E-32	7.671E-30	0.239432	hyper	sig	chr4_153249532
chr13	23547211	23547211	+	8.065E-32	7.6951E-30	0.441056	hyper	sig	chr13_23547211
chr2	44166246	44166246	+	8.068E-32	7.6971E-30	0.349492	hyper	sig	chr2_44166246
chr5	1.73E+08	172768599	+	8.1E-32	7.727E-30	0.311698	hyper	sig	chr5_172768599
chr14	47676371	47676371	+	8.103E-32	7.7287E-30	0.403237	hyper	sig	chr14_47676371
chr6	29558692	29558692	+	8.135E-32	7.759E-30	-0.29225	hypo	sig	chr6_29558692
chr9	971496	971496	+	8.176E-32	7.7967E-30	0.417092	hyper	sig	chr9_971496
chr1	1.53E+08	152804865	+	8.201E-32	7.8198E-30	-0.37137	hypo	sig	chr1_152804865
chr16	86513940	86513940	+	8.223E-32	7.8398E-30	0.397679	hyper	sig	chr16_86513940
chr11	843897	843897	+	8.226E-32	7.8419E-30	0.364909	hyper	sig	chr11_843897
chr19	36916153	36916153	+	8.232E-32	7.8468E-30	0.257639	hyper	sig	chr19_36916153
chr19	55087442	55087442	+	8.244E-32	7.8574E-30	0.348326	hyper	sig	chr19_55087442
chr8	64369132	64369132	+	8.249E-32	7.8605E-30	0.452731	hyper	sig	chr8_64369132
chr15	40770002	40770002	+	8.272E-32	7.8823E-30	-0.34094	hypo	sig	chr15_40770002
chr7	1315287	1315287	+	8.292E-32	7.8998E-30	-0.40734	hypo	sig	chr7_1315287
chr19	51395650	51395650	+	8.296E-32	7.9032E-30	-0.3318	hypo	sig	chr19_51395650
chr12	1.32E+08	132344176	+	8.302E-32	7.9078E-30	0.359328	hyper	sig	chr12_132344176
chr7	1040865	1040865	+	8.363E-32	7.965E-30	0.335375	hyper	sig	chr7_1040865

chr19	34962786	34962786	+	8.384E-32	7.9837E-30	-0.38887	hypo	sig	chr19_34962786
chr11	27699550	27699550	+	8.423E-32	8.02E-30	0.261165	hyper	sig	chr11_27699550
chr8	84182607	84182607	+	8.477E-32	8.0706E-30	0.289514	hyper	sig	chr8_84182607
chr10	55630146	55630146	+	8.529E-32	8.119E-30	0.36991	hyper	sig	chr10_55630146
chr6	30127715	30127715	+	8.541E-32	8.1301E-30	0.330393	hyper	sig	chr6_30127715
chr12	1.03E+08	102961412	+	8.552E-32	8.1396E-30	0.300366	hyper	sig	chr12_102961412
chr4	1.51E+08	150582378	+	8.599E-32	8.183E-30	0.388116	hyper	sig	chr4_150582378
chr20	5315635	5315635	+	8.608E-32	8.1896E-30	0.351406	hyper	sig	chr20_5315635
chr4	55125251	55125251	+	8.608E-32	8.1896E-30	0.378366	hyper	sig	chr4_55125251
chr6	71420944	71420944	+	8.633E-32	8.2123E-30	0.312681	hyper	sig	chr6_71420944
chr2	1.19E+08	118854747	+	8.678E-32	8.2543E-30	0.272672	hyper	sig	chr2_118854747
chr5	1.71E+08	171308343	+	8.69E-32	8.2646E-30	0.368872	hyper	sig	chr5_171308343
chr3	66404386	66404386	+	8.721E-32	8.2935E-30	0.382791	hyper	sig	chr3_66404386
chr21	36697714	36697714	+	8.731E-32	8.3017E-30	0.338056	hyper	sig	chr21_36697714
chr21	36697656	36697656	+	8.753E-32	8.3206E-30	0.334617	hyper	sig	chr21_36697656
chr5	1876283	1876283	+	8.753E-32	8.3206E-30	0.349071	hyper	sig	chr5_1876283
chr11	69005621	69005621	+	8.76E-32	8.3263E-30	0.365801	hyper	sig	chr11_69005621
chr16	85366124	85366124	+	8.788E-32	8.352E-30	0.316204	hyper	sig	chr16_85366124
chr10	22345263	22345263	+	8.792E-32	8.3551E-30	0.305325	hyper	sig	chr10_22345263
chr6	31927463	31927463	+	8.802E-32	8.3636E-30	-0.33315	hypo	sig	chr6_31927463
chr13	1.14E+08	114049228	+	8.808E-32	8.3682E-30	-0.3531	hypo	sig	chr13_114049228
chr16	1531094	1531094	+	8.852E-32	8.4086E-30	0.368946	hyper	sig	chr16_1531094
chr1	1.81E+08	181043356	+	8.856E-32	8.4116E-30	-0.43598	hypo	sig	chr1_181043356
chr8	1432875	1432875	+	8.872E-32	8.4259E-30	-0.36417	hypo	sig	chr8_1432875
chr3	49686158	49686158	+	8.878E-32	8.4298E-30	0.31875	hyper	sig	chr3_49686158
chr7	1.58E+08	157684148	+	8.878E-32	8.4298E-30	0.443408	hyper	sig	chr7_157684148
chr5	1.42E+08	141883705	+	8.898E-32	8.4478E-30	0.291635	hyper	sig	chr5_141883705
chr3	1.9E+08	190319906	+	8.938E-32	8.4851E-30	-0.42461	hypo	sig	chr3_190319906
chr6	31355768	31355768	+	8.968E-32	8.5122E-30	-0.35005	hypo	sig	chr6_31355768
chr12	63668511	63668511	+	8.969E-32	8.5123E-30	0.201048	hyper	sig	chr12_63668511
chr10	91633446	91633446	+	8.971E-32	8.5133E-30	0.22375	hyper	sig	chr10_91633446
chr11	507938	507938	+	8.999E-32	8.539E-30	0.405836	hyper	sig	chr11_507938
chr12	72271991	72271991	+	9.017E-32	8.5543E-30	0.320253	hyper	sig	chr12_72271991
chr3	45167829	45167829	+	9.039E-32	8.5749E-30	-0.21646	hypo	sig	chr3_45167829
chr20	63494924	63494924	+	9.061E-32	8.5945E-30	-0.38757	hypo	sig	chr20_63494924
chr19	10604936	10604936	+	9.065E-32	8.5975E-30	-0.3447	hypo	sig	chr19_10604936
chr8	57143523	57143523	+	9.072E-32	8.6026E-30	0.424747	hyper	sig	chr8_57143523
chr11	67674604	67674604	+	9.122E-32	8.6491E-30	-0.3936	hypo	sig	chr11_67674604
chr6	436594	436594	+	9.167E-32	8.6909E-30	-0.42516	hypo	sig	chr6_436594
chr16	66579169	66579169	+	9.213E-32	8.733E-30	0.294892	hyper	sig	chr16_66579169
chr4	1407667	1407667	+	9.22E-32	8.7388E-30	0.461899	hyper	sig	chr4_1407667
chr6	27275235	27275235	+	9.235E-32	8.7525E-30	0.355799	hyper	sig	chr6_27275235
chr7	8444036	8444036	+	9.26E-32	8.7747E-30	0.464034	hyper	sig	chr7_8444036
chr7	1.08E+08	108457050	+	9.278E-32	8.7907E-30	0.44585	hyper	sig	chr7_108457050
chr7	18087479	18087479	+	9.289E-32	8.8E-30	0.360795	hyper	sig	chr7_18087479
chr7	6842454	6842454	+	9.305E-32	8.8149E-30	-0.32817	hypo	sig	chr7_6842454
chr19	48444372	48444372	+	9.336E-32	8.8427E-30	0.372936	hyper	sig	chr19_48444372
chr19	3881185	3881185	+	9.341E-32	8.8466E-30	0.308182	hyper	sig	chr19_3881185
chr7	27141269	27141269	+	9.363E-32	8.8663E-30	0.264731	hyper	sig	chr7_27141269
chr6	50716069	50716069	+	9.411E-32	8.9109E-30	0.28596	hyper	sig	chr6_50716069
chr2	1E+08	100391849	+	9.447E-32	8.9433E-30	-0.34436	hypo	sig	chr2_100391849
chr8	54466467	54466467	+	9.465E-32	8.9595E-30	0.445772	hyper	sig	chr8_54466467
chr19	18434240	18434240	+	9.487E-32	8.9791E-30	0.410383	hyper	sig	chr19_18434240
chr7	93043566	93043566	+	9.496E-32	8.9869E-30	0.351243	hyper	sig	chr7_93043566
chr4	1.72E+08	171813666	+	9.528E-32	9.0158E-30	0.370023	hyper	sig	chr4_171813666
chr2	1.87E+08	186849139	+	9.536E-32	9.0228E-30	0.341617	hyper	sig	chr2_186849139

chr11	32433431	32433431	+	9.542E-32	9.0276E-30	0.334741	hyper	sig	chr11_32433431
chr2	1.31E+08	131296994	+	9.544E-32	9.0283E-30	-0.35393	hypo	sig	chr2_131296994
chr10	1.01E+08	100520210	+	9.548E-32	9.0305E-30	0.340209	hyper	sig	chr10_100520210
chr21	41715694	41715694	+	9.554E-32	9.0358E-30	-0.33461	hypo	sig	chr21_41715694
chr5	1.81E+08	181100576	+	9.6E-32	9.0781E-30	0.305341	hyper	sig	chr5_181100576
chr13	1.13E+08	113413755	+	9.611E-32	9.0876E-30	0.34554	hyper	sig	chr13_113413755
chr2	2.02E+08	202171429	+	9.624E-32	9.0986E-30	0.287667	hyper	sig	chr2_202171429
chr2	1.81E+08	181457112	+	9.67E-32	9.1406E-30	0.290127	hyper	sig	chr2_181457112
chr4	4861555	4861555	+	9.699E-32	9.1672E-30	0.245877	hyper	sig	chr4_4861555
chr1	2.4E+08	240093863	+	9.75E-32	9.2146E-30	0.452414	hyper	sig	chr1_240093863
chr11	32433341	32433341	+	9.756E-32	9.2193E-30	0.343517	hyper	sig	chr11_32433341
chr8	72251612	72251612	+	9.775E-32	9.2356E-30	0.300383	hyper	sig	chr8_72251612
chr8	1.08E+08	108083197	+	9.824E-32	9.2813E-30	0.322997	hyper	sig	chr8_108083197
chr11	526431	526431	+	9.832E-32	9.2875E-30	-0.32312	hypo	sig	chr11_526431
chr5	1.46E+08	146339034	+	9.873E-32	9.3256E-30	0.359377	hyper	sig	chr5_146339034
chr3	13019471	13019471	+	9.88E-32	9.3305E-30	0.32228	hyper	sig	chr3_13019471
chr8	41569896	41569896	+	9.903E-32	9.3513E-30	-0.44885	hypo	sig	chr8_41569896
chr8	26582833	26582833	+	9.912E-32	9.3589E-30	0.366127	hyper	sig	chr8_26582833
chr10	1.33E+08	133231349	+	9.919E-32	9.3648E-30	0.305366	hyper	sig	chr10_133231349
chr10	93497160	93497160	+	9.932E-32	9.3755E-30	-0.32981	hypo	sig	chr10_93497160
chr19	52398063	52398063	+	9.983E-32	9.4229E-30	0.344598	hyper	sig	chr19_52398063
chr4	1.12E+08	112403543	+	1.003E-31	9.4706E-30	0.293054	hyper	sig	chr4_112403543
chr19	1468443	1468443	+	1.004E-31	9.4786E-30	0.296649	hyper	sig	chr19_1468443
chr10	1.01E+08	101223720	+	1.008E-31	9.515E-30	0.311769	hyper	sig	chr10_101223720
chr7	30469556	30469556	+	1.009E-31	9.5151E-30	0.306422	hyper	sig	chr7_30469556
chr19	46426864	46426864	+	1.011E-31	9.5323E-30	0.276996	hyper	sig	chr19_46426864
chr8	48581296	48581296	+	1.015E-31	9.569E-30	0.347383	hyper	sig	chr8_48581296
chr14	43541133	43541133	+	1.015E-31	9.5731E-30	-0.44896	hypo	sig	chr14_43541133
chr19	56368092	56368092	+	1.018E-31	9.6013E-30	0.307623	hyper	sig	chr19_56368092
chr12	40692493	40692493	+	1.02E-31	9.6143E-30	0.379394	hyper	sig	chr12_40692493
chr13	37869563	37869563	+	1.021E-31	9.6289E-30	0.354019	hyper	sig	chr13_37869563
chr1	2.43E+08	242525236	+	1.022E-31	9.637E-30	0.342385	hyper	sig	chr1_242525236
chr3	1.47E+08	147397277	+	1.024E-31	9.6512E-30	0.313064	hyper	sig	chr3_147397277
chr5	1.41E+08	141427773	+	1.024E-31	9.6512E-30	0.413594	hyper	sig	chr5_141427773
chr8	1.28E+08	127740752	+	1.028E-31	9.6858E-30	-0.32146	hypo	sig	chr8_127740752
chr2	9318997	9318997	+	1.032E-31	9.7208E-30	0.318231	hyper	sig	chr2_9318997
chr5	1876318	1876318	+	1.032E-31	9.722E-30	0.354704	hyper	sig	chr5_1876318
chr10	6179310	6179310	+	1.034E-31	9.7404E-30	0.290868	hyper	sig	chr10_6179310
chr19	45767070	45767070	+	1.038E-31	9.7788E-30	0.305954	hyper	sig	chr19_45767070
chr16	49275240	49275240	+	1.044E-31	9.8284E-30	0.36839	hyper	sig	chr16_49275240
chr16	29156631	29156631	+	1.045E-31	9.8446E-30	-0.36747	hypo	sig	chr16_29156631
chr13	1.12E+08	112063418	+	1.047E-31	9.8544E-30	0.335576	hyper	sig	chr13_112063418
chr10	7666277	7666277	+	1.051E-31	9.8932E-30	0.294474	hyper	sig	chr10_7666277
chr2	2189739	2189739	+	1.051E-31	9.8932E-30	-0.29493	hypo	sig	chr2_2189739
chr2	2.39E+08	239247523	+	1.055E-31	9.926E-30	-0.35022	hypo	sig	chr2_239247523
chr12	1.24E+08	124411561	+	1.056E-31	9.9405E-30	0.346256	hyper	sig	chr12_124411561
chr6	27495445	27495445	+	1.069E-31	1.0059E-29	0.289939	hyper	sig	chr6_27495445
chr8	23705669	23705669	+	1.07E-31	1.007E-29	0.303353	hyper	sig	chr8_23705669
chr1	41484566	41484566	+	1.075E-31	1.0113E-29	-0.32199	hypo	sig	chr1_41484566
chr8	1.44E+08	143732741	+	1.079E-31	1.015E-29	-0.36226	hypo	sig	chr8_143732741
chr20	4814975	4814975	+	1.081E-31	1.0172E-29	-0.35024	hypo	sig	chr20_4814975
chr2	70962326	70962326	+	1.082E-31	1.0177E-29	-0.37965	hypo	sig	chr2_70962326
chr19	13092901	13092901	+	1.085E-31	1.0204E-29	0.35313	hyper	sig	chr19_13092901
chr11	44311092	44311092	+	1.086E-31	1.0215E-29	0.26309	hyper	sig	chr11_44311092
chr12	4809931	4809931	+	1.087E-31	1.0217E-29	0.357399	hyper	sig	chr12_4809931
chr13	1.13E+08	113098397	+	1.087E-31	1.0217E-29	0.363868	hyper	sig	chr13_113098397

chr14	36663544	36663544	+	1.089E-31	1.0233E-29	0.321588	hyper	sig	chr14_36663544
chr8	66962076	66962076	+	1.09E-31	1.0247E-29	0.288549	hyper	sig	chr8_66962076
chr12	1.13E+08	113476079	+	1.092E-31	1.0257E-29	0.349359	hyper	sig	chr12_113476079
chr1	6273768	6273768	+	1.092E-31	1.0259E-29	-0.34792	hypo	sig	chr1_6273768
chr6	1.33E+08	133242626	+	1.093E-31	1.0267E-29	0.365582	hyper	sig	chr6_133242626
chr20	40690595	40690595	+	1.098E-31	1.0311E-29	0.391667	hyper	sig	chr20_40690595
chr13	52848650	52848650	+	1.1E-31	1.0332E-29	0.259024	hyper	sig	chr13_52848650
chr2	48916421	48916421	+	1.1E-31	1.0333E-29	-0.30588	hypo	sig	chr2_48916421
chr14	75430639	75430639	+	1.101E-31	1.0337E-29	0.373725	hyper	sig	chr14_75430639
chr19	8399768	8399768	+	1.105E-31	1.0379E-29	-0.32509	hypo	sig	chr19_8399768
chr14	41608502	41608502	+	1.107E-31	1.0391E-29	0.317725	hyper	sig	chr14_41608502
chr11	1.17E+08	117205582	+	1.109E-31	1.0414E-29	0.379847	hyper	sig	chr11_117205582
chr8	1.08E+08	108083163	+	1.112E-31	1.0441E-29	0.340548	hyper	sig	chr8_108083163
chr12	63151479	63151479	+	1.113E-31	1.0443E-29	0.363697	hyper	sig	chr12_63151479
chr4	1.11E+08	110630671	+	1.115E-31	1.0459E-29	0.357724	hyper	sig	chr4_110630671
chr6	33976068	33976068	+	1.116E-31	1.0469E-29	0.354385	hyper	sig	chr6_33976068
chr20	62563910	62563910	+	1.12E-31	1.0508E-29	-0.3108	hypo	sig	chr20_62563910
chr6	27545307	27545307	+	1.121E-31	1.0518E-29	0.328925	hyper	sig	chr6_27545307
chr14	1.04E+08	104450850	+	1.125E-31	1.0554E-29	0.346625	hyper	sig	chr14_104450850
chr7	97022223	97022223	+	1.127E-31	1.057E-29	0.359072	hyper	sig	chr7_97022223
chr5	1.41E+08	141410173	+	1.131E-31	1.0603E-29	0.347447	hyper	sig	chr5_141410173
chr14	1.05E+08	104844321	+	1.132E-31	1.0613E-29	0.449905	hyper	sig	chr14_104844321
chr19	39415204	39415204	+	1.133E-31	1.0622E-29	0.349963	hyper	sig	chr19_39415204
chr5	33297794	33297794	+	1.134E-31	1.0628E-29	-0.31438	hypo	sig	chr5_33297794
chr22	19892245	19892245	+	1.136E-31	1.0648E-29	-0.27211	hypo	sig	chr22_19892245
chr14	1.04E+08	104182034	+	1.138E-31	1.0664E-29	-0.37672	hypo	sig	chr14_104182034
chr4	1.53E+08	153249580	+	1.14E-31	1.0687E-29	0.325269	hyper	sig	chr4_153249580
chr16	86619594	86619594	+	1.145E-31	1.0724E-29	-0.40104	hypo	sig	chr16_86619594
chr1	2.37E+08	237043194	+	1.148E-31	1.0755E-29	0.3544	hyper	sig	chr1_237043194
chr12	1.31E+08	131027935	+	1.149E-31	1.076E-29	0.272619	hyper	sig	chr12_131027935
chr10	43694441	43694441	+	1.15E-31	1.0769E-29	-0.32436	hypo	sig	chr10_43694441
chr17	80178373	80178373	+	1.158E-31	1.0841E-29	-0.30597	hypo	sig	chr17_80178373
chr19	22052805	22052805	+	1.159E-31	1.0856E-29	0.342605	hyper	sig	chr19_22052805
chr1	1.19E+08	118999937	+	1.162E-31	1.0881E-29	0.362623	hyper	sig	chr1_118999937
chr6	1.66E+08	166009204	+	1.163E-31	1.0892E-29	0.315249	hyper	sig	chr6_166009204
chr12	4909282	4909282	+	1.164E-31	1.0898E-29	0.400801	hyper	sig	chr12_4909282
chr21	36697640	36697640	+	1.17E-31	1.0953E-29	0.351617	hyper	sig	chr21_36697640
chr17	19264048	19264048	+	1.173E-31	1.0974E-29	0.326438	hyper	sig	chr17_19264048
chr17	80192592	80192592	+	1.174E-31	1.0987E-29	0.376291	hyper	sig	chr17_80192592
chr11	2807355	2807355	+	1.176E-31	1.1004E-29	0.360961	hyper	sig	chr11_2807355
chr7	1.43E+08	142797263	+	1.179E-31	1.1031E-29	0.278931	hyper	sig	chr7_142797263
chr16	67964003	67964003	+	1.183E-31	1.1062E-29	0.316257	hyper	sig	chr16_67964003
chr4	7393894	7393894	+	1.183E-31	1.1062E-29	-0.35098	hypo	sig	chr4_7393894
chr19	36331731	36331731	+	1.183E-31	1.1067E-29	0.333725	hyper	sig	chr19_36331731
chr5	1.55E+08	154850663	+	1.191E-31	1.1139E-29	0.323685	hyper	sig	chr5_154850663
chr11	17722093	17722093	+	1.196E-31	1.1188E-29	0.311025	hyper	sig	chr11_17722093
chr4	30723219	30723219	+	1.199E-31	1.1213E-29	0.320774	hyper	sig	chr4_30723219
chr7	1.34E+08	134459310	+	1.201E-31	1.1226E-29	0.218818	hyper	sig	chr7_134459310
chr11	32433414	32433414	+	1.204E-31	1.1258E-29	0.331735	hyper	sig	chr11_32433414
chr12	89349552	89349552	+	1.213E-31	1.1339E-29	-0.35382	hypo	sig	chr12_89349552
chr6	1.27E+08	127119698	+	1.215E-31	1.1352E-29	0.278959	hyper	sig	chr6_127119698
chr16	86565282	86565282	+	1.217E-31	1.1375E-29	0.297892	hyper	sig	chr16_86565282
chr6	84775150	84775150	+	1.225E-31	1.1445E-29	0.391091	hyper	sig	chr6_84775150
chr20	46033368	46033368	+	1.225E-31	1.1446E-29	-0.34493	hypo	sig	chr20_46033368
chr13	24932058	24932058	+	1.23E-31	1.149E-29	0.335277	hyper	sig	chr13_24932058
chr16	86513716	86513716	+	1.232E-31	1.1502E-29	0.384432	hyper	sig	chr16_86513716

chr12	6556258	6556258	+	1.232E-31	1.1503E-29	0.310485	hyper	sig	chr12_6556258
chr6	1.68E+08	168180790	+	1.233E-31	1.1514E-29	-0.39156	hypo	sig	chr6_168180790
chr8	68331669	68331669	+	1.235E-31	1.1534E-29	0.293943	hyper	sig	chr8_68331669
chr19	57614685	57614685	+	1.237E-31	1.1545E-29	0.310792	hyper	sig	chr19_57614685
chr9	1.24E+08	124273745	+	1.247E-31	1.1641E-29	0.290716	hyper	sig	chr9_124273745
chr19	58098363	58098363	+	1.252E-31	1.1681E-29	0.239769	hyper	sig	chr19_58098363
chr4	30723217	30723217	+	1.256E-31	1.1719E-29	0.333413	hyper	sig	chr4_30723217
chr11	73310227	73310227	+	1.258E-31	1.1742E-29	0.363251	hyper	sig	chr11_73310227
chr13	27794930	27794930	+	1.261E-31	1.1768E-29	0.396912	hyper	sig	chr13_27794930
chr1	6026461	6026461	+	1.263E-31	1.178E-29	-0.35833	hypo	sig	chr1_6026461
chr5	1.72E+08	172097505	+	1.264E-31	1.1786E-29	0.306554	hyper	sig	chr5_172097505
chr19	4181870	4181870	+	1.266E-31	1.1808E-29	-0.3322	hypo	sig	chr19_4181870
chr4	3649777	3649777	+	1.27E-31	1.184E-29	-0.37556	hypo	sig	chr4_3649777
chr13	1.12E+08	112067475	+	1.27E-31	1.1847E-29	0.343983	hyper	sig	chr13_112067475
chr14	36517785	36517785	+	1.276E-31	1.1899E-29	0.247995	hyper	sig	chr14_36517785
chr8	85438152	85438152	+	1.278E-31	1.191E-29	0.327944	hyper	sig	chr8_85438152
chr9	1.36E+08	136202815	+	1.284E-31	1.1973E-29	0.360004	hyper	sig	chr9_136202815
chr1	2.21E+08	220880945	+	1.285E-31	1.1974E-29	0.262305	hyper	sig	chr1_220880945
chr6	31728685	31728685	+	1.287E-31	1.1991E-29	0.343817	hyper	sig	chr6_31728685
chr16	1482449	1482449	+	1.289E-31	1.2009E-29	-0.41617	hypo	sig	chr16_1482449
chr5	1.34E+08	134114030	+	1.289E-31	1.201E-29	0.354799	hyper	sig	chr5_134114030
chr1	1.13E+08	112850518	+	1.29E-31	1.2019E-29	-0.41956	hypo	sig	chr1_112850518
chr1	1.47E+08	147072753	+	1.292E-31	1.2034E-29	0.391865	hyper	sig	chr1_147072753
chr16	10183446	10183446	+	1.295E-31	1.2061E-29	0.273637	hyper	sig	chr16_10183446
chr5	16178987	16178987	+	1.295E-31	1.2064E-29	0.345482	hyper	sig	chr5_16178987
chr10	1.01E+08	100830468	+	1.297E-31	1.2082E-29	0.262331	hyper	sig	chr10_100830468
chr12	1.14E+08	114403892	+	1.301E-31	1.2117E-29	0.363489	hyper	sig	chr12_114403892
chr1	46599078	46599078	+	1.309E-31	1.2187E-29	0.21023	hyper	sig	chr1_46599078
chr11	66267292	66267292	+	1.313E-31	1.2224E-29	0.35477	hyper	sig	chr11_66267292
chr10	1.28E+08	127738474	+	1.317E-31	1.226E-29	0.343445	hyper	sig	chr10_127738474
chr16	3175097	3175097	+	1.323E-31	1.2312E-29	0.40693	hyper	sig	chr16_3175097
chr12	53103058	53103058	+	1.325E-31	1.233E-29	-0.30516	hypo	sig	chr12_53103058
chr15	89470317	89470317	+	1.327E-31	1.2342E-29	0.30984	hyper	sig	chr15_89470317
chr2	7031832	7031832	+	1.334E-31	1.2405E-29	-0.30595	hypo	sig	chr2_7031832
chr3	1.47E+08	147396138	+	1.334E-31	1.241E-29	0.394968	hyper	sig	chr3_147396138
chr14	85529930	85529930	+	1.335E-31	1.2416E-29	0.269287	hyper	sig	chr14_85529930
chr2	1.11E+08	111366574	+	1.337E-31	1.2431E-29	0.42129	hyper	sig	chr2_111366574
chr9	1.3E+08	129836638	+	1.338E-31	1.2439E-29	0.34405	hyper	sig	chr9_129836638
chr12	4909634	4909634	+	1.341E-31	1.2464E-29	0.329856	hyper	sig	chr12_4909634
chr5	31855109	31855109	+	1.341E-31	1.2466E-29	0.279092	hyper	sig	chr5_31855109
chr12	52043515	52043515	+	1.343E-31	1.2485E-29	0.268883	hyper	sig	chr12_52043515
chr12	89350006	89350006	+	1.347E-31	1.2516E-29	-0.34482	hypo	sig	chr12_89350006
chr19	1177621	1177621	+	1.348E-31	1.2525E-29	-0.40165	hypo	sig	chr19_1177621
chr7	56080079	56080079	+	1.352E-31	1.2561E-29	0.355461	hyper	sig	chr7_56080079
chr20	50729196	50729196	+	1.357E-31	1.2604E-29	-0.40682	hypo	sig	chr20_50729196
chr17	34157012	34157012	+	1.357E-31	1.2606E-29	0.278875	hyper	sig	chr17_34157012
chr1	16520818	16520818	+	1.357E-31	1.2607E-29	0.335232	hyper	sig	chr1_16520818
chr16	31042641	31042641	+	1.363E-31	1.266E-29	0.39224	hyper	sig	chr16_31042641
chr3	1.82E+08	181723713	+	1.363E-31	1.266E-29	0.345624	hyper	sig	chr3_181723713
chr17	45430406	45430406	+	1.364E-31	1.2662E-29	0.374678	hyper	sig	chr17_45430406
chr2	2.42E+08	241852716	+	1.365E-31	1.2673E-29	-0.37041	hypo	sig	chr2_241852716
chr15	37098073	37098073	+	1.368E-31	1.27E-29	0.384948	hyper	sig	chr15_37098073
chr11	32437127	32437127	+	1.371E-31	1.2725E-29	0.326334	hyper	sig	chr11_32437127
chr5	1.41E+08	141393028	+	1.378E-31	1.2793E-29	0.287104	hyper	sig	chr5_141393028
chr8	71558137	71558137	+	1.387E-31	1.287E-29	0.306042	hyper	sig	chr8_71558137
chr11	1.34E+08	133955634	+	1.391E-31	1.2906E-29	0.304424	hyper	sig	chr11_133955634

chr12	63151511	63151511	+	1.394E-31	1.2929E-29	0.287939	hyper	sig	chr12_63151511
chr6	1.51E+08	151241544	+	1.394E-31	1.293E-29	0.2934	hyper	sig	chr6_151241544
chr17	50884015	50884015	+	1.397E-31	1.2958E-29	-0.26893	hypo	sig	chr17_50884015
chr2	2.34E+08	233939015	+	1.403E-31	1.3017E-29	0.335869	hyper	sig	chr2_233939015
chr15	29160175	29160175	+	1.407E-31	1.3047E-29	0.310216	hyper	sig	chr15_29160175
chr19	58098403	58098403	+	1.407E-31	1.305E-29	0.23012	hyper	sig	chr19_58098403
chr2	2.33E+08	233060471	+	1.408E-31	1.305E-29	-0.38091	hypo	sig	chr2_233060471
chr16	89817663	89817663	+	1.411E-31	1.308E-29	-0.29466	hypo	sig	chr16_89817663
chr1	1.19E+08	118989566	+	1.412E-31	1.3089E-29	0.316839	hyper	sig	chr1_118989566
chr20	35438137	35438137	+	1.415E-31	1.3113E-29	0.360045	hyper	sig	chr20_35438137
chr10	1.01E+08	100830641	+	1.418E-31	1.3138E-29	0.298251	hyper	sig	chr10_100830641
chr7	1224405	1224405	+	1.42E-31	1.3158E-29	0.457672	hyper	sig	chr7_1224405
chr6	99605484	99605484	+	1.42E-31	1.3158E-29	0.270727	hyper	sig	chr6_99605484
chr11	1351478	1351478	+	1.423E-31	1.3181E-29	-0.41553	hypo	sig	chr11_1351478
chr7	83674731	83674731	+	1.427E-31	1.3217E-29	-0.33584	hypo	sig	chr7_83674731
chr10	97713275	97713275	+	1.429E-31	1.3236E-29	0.344099	hyper	sig	chr10_97713275
chr4	41880934	41880934	+	1.43E-31	1.3241E-29	0.334117	hyper	sig	chr4_41880934
chr10	1.01E+08	101132797	+	1.431E-31	1.3254E-29	0.434875	hyper	sig	chr10_101132797
chr11	2219504	2219504	+	1.436E-31	1.3292E-29	-0.34401	hypo	sig	chr11_2219504
chr2	1.24E+08	124024686	+	1.44E-31	1.3334E-29	0.464532	hyper	sig	chr2_124024686
chr14	1.06E+08	105536990	+	1.442E-31	1.3348E-29	-0.34856	hypo	sig	chr14_105536990
chr20	60087917	60087917	+	1.442E-31	1.3348E-29	0.337068	hyper	sig	chr20_60087917
chr11	3218733	3218733	+	1.445E-31	1.3371E-29	-0.3394	hypo	sig	chr11_3218733
chr5	5146230	5146230	+	1.445E-31	1.3373E-29	-0.38017	hypo	sig	chr5_5146230
chr2	1.49E+08	148882276	+	1.45E-31	1.3414E-29	-0.33903	hypo	sig	chr2_148882276
chr10	27746802	27746802	+	1.451E-31	1.3428E-29	0.303001	hyper	sig	chr10_27746802
chr8	49909935	49909935	+	1.454E-31	1.3454E-29	0.289957	hyper	sig	chr8_49909935
chr16	1288350	1288350	+	1.46E-31	1.3507E-29	-0.34721	hypo	sig	chr16_1288350
chr7	875453	875453	+	1.461E-31	1.351E-29	0.288787	hyper	sig	chr7_875453
chr4	1.11E+08	110630673	+	1.47E-31	1.359E-29	0.354107	hyper	sig	chr4_110630673
chr14	93240263	93240263	+	1.472E-31	1.3607E-29	-0.30632	hypo	sig	chr14_93240263
chr22	45162552	45162552	+	1.473E-31	1.362E-29	-0.41326	hypo	sig	chr22_45162552
chr6	29558612	29558612	+	1.476E-31	1.3642E-29	-0.39153	hypo	sig	chr6_29558612
chr2	63053934	63053934	+	1.477E-31	1.3654E-29	0.334107	hyper	sig	chr2_63053934
chr11	32429043	32429043	+	1.479E-31	1.3667E-29	0.300173	hyper	sig	chr11_32429043
chr3	12938744	12938744	+	1.479E-31	1.367E-29	0.383499	hyper	sig	chr3_12938744
chr19	56393596	56393596	+	1.481E-31	1.3685E-29	0.257899	hyper	sig	chr19_56393596
chr11	69382524	69382524	+	1.482E-31	1.3691E-29	-0.36238	hypo	sig	chr11_69382524
chr3	1.13E+08	113136077	+	1.486E-31	1.3724E-29	0.294295	hyper	sig	chr3_113136077
chr12	64825711	64825711	+	1.491E-31	1.3772E-29	0.354035	hyper	sig	chr12_64825711
chr9	88783976	88783976	+	1.492E-31	1.378E-29	-0.38892	hypo	sig	chr9_88783976
chr14	73718591	73718591	+	1.498E-31	1.3837E-29	0.335936	hyper	sig	chr14_73718591
chr4	1.74E+08	173531346	+	1.5E-31	1.3854E-29	0.318361	hyper	sig	chr4_173531346
chr7	27115885	27115885	+	1.503E-31	1.3874E-29	0.40985	hyper	sig	chr7_27115885
chr8	64371916	64371916	+	1.503E-31	1.3879E-29	0.397632	hyper	sig	chr8_64371916
chr11	69294401	69294401	+	1.504E-31	1.3884E-29	-0.4568	hypo	sig	chr11_69294401
chr19	55087661	55087661	+	1.514E-31	1.3972E-29	0.374526	hyper	sig	chr19_55087661
chr5	1.79E+08	178941619	+	1.518E-31	1.4012E-29	0.370442	hyper	sig	chr5_178941619
chr12	2753005	2753005	+	1.521E-31	1.4037E-29	0.335378	hyper	sig	chr12_2753005
chr11	15114600	15114600	+	1.522E-31	1.4041E-29	0.343526	hyper	sig	chr11_15114600
chr8	1.28E+08	127740742	+	1.522E-31	1.4041E-29	-0.33855	hypo	sig	chr8_127740742
chr6	50722964	50722964	+	1.523E-31	1.4051E-29	0.37609	hyper	sig	chr6_50722964
chr1	1.14E+08	114154282	+	1.524E-31	1.4058E-29	0.312904	hyper	sig	chr1_114154282
chr8	1.45E+08	144700378	+	1.524E-31	1.4059E-29	0.247451	hyper	sig	chr8_144700378
chr2	1.01E+08	100821389	+	1.532E-31	1.4129E-29	-0.26265	hypo	sig	chr2_100821389
chr5	1003786	1003786	+	1.533E-31	1.4138E-29	-0.38441	hypo	sig	chr5_1003786

chr11	2807230	2807230	+	1.539E-31	1.4184E-29	0.328635	hyper	sig	chr11_2807230
chr3	1.28E+08	128483333	+	1.539E-31	1.4184E-29	0.355686	hyper	sig	chr3_128483333
chr5	1.5E+08	150290250	+	1.539E-31	1.4184E-29	-0.31336	hypo	sig	chr5_150290250
chr5	1.36E+08	136365473	+	1.541E-31	1.4197E-29	0.289184	hyper	sig	chr5_136365473
chr6	10410089	10410089	+	1.545E-31	1.4232E-29	0.387031	hyper	sig	chr6_10410089
chr12	3493125	3493125	+	1.546E-31	1.4247E-29	0.248461	hyper	sig	chr12_3493125
chr3	44022110	44022110	+	1.55E-31	1.4276E-29	0.249035	hyper	sig	chr3_44022110
chr20	10218658	10218658	+	1.55E-31	1.4277E-29	0.316595	hyper	sig	chr20_10218658
chr3	43998026	43998026	+	1.551E-31	1.4282E-29	0.299203	hyper	sig	chr3_43998026
chr13	1.12E+08	111893027	+	1.555E-31	1.4325E-29	0.321024	hyper	sig	chr13_111893027
chr2	1.05E+08	104864236	+	1.56E-31	1.4364E-29	0.315231	hyper	sig	chr2_104864236
chr8	64586262	64586262	+	1.561E-31	1.437E-29	0.390618	hyper	sig	chr8_64586262
chr8	1.41E+08	141170291	+	1.564E-31	1.4395E-29	0.241683	hyper	sig	chr8_141170291
chr20	2559230	2559230	+	1.571E-31	1.446E-29	0.260925	hyper	sig	chr20_2559230
chr8	1.41E+08	141085186	+	1.572E-31	1.4471E-29	-0.38001	hypo	sig	chr8_141085186
chr4	26804666	26804666	+	1.573E-31	1.4476E-29	0.325168	hyper	sig	chr4_26804666
chr2	1.55E+08	154698913	+	1.574E-31	1.4487E-29	0.266632	hyper	sig	chr2_154698913
chr9	77019945	77019945	+	1.576E-31	1.4497E-29	0.353361	hyper	sig	chr9_77019945
chr12	213393	213393	+	1.578E-31	1.4519E-29	-0.24436	hypo	sig	chr12_213393
chr13	1.11E+08	110506462	+	1.582E-31	1.4553E-29	-0.41727	hypo	sig	chr13_110506462
chr3	26623250	26623250	+	1.587E-31	1.4594E-29	0.354982	hyper	sig	chr3_26623250
chr19	18429053	18429053	+	1.592E-31	1.4644E-29	0.312706	hyper	sig	chr19_18429053
chr20	56627825	56627825	+	1.599E-31	1.4704E-29	0.386866	hyper	sig	chr20_56627825
chr2	50345806	50345806	+	1.604E-31	1.4751E-29	-0.34226	hypo	sig	chr2_50345806
chr17	79802024	79802024	+	1.605E-31	1.4759E-29	0.353267	hyper	sig	chr17_79802024
chr7	19106945	19106945	+	1.615E-31	1.4846E-29	0.383057	hyper	sig	chr7_19106945
chr13	93228531	93228531	+	1.617E-31	1.4867E-29	0.402754	hyper	sig	chr13_93228531
chr7	97024886	97024886	+	1.618E-31	1.4868E-29	0.330187	hyper	sig	chr7_97024886
chr17	81330644	81330644	+	1.619E-31	1.4878E-29	-0.3625	hypo	sig	chr17_81330644
chr4	1212213	1212213	+	1.62E-31	1.4889E-29	0.304806	hyper	sig	chr4_1212213
chr20	63769271	63769271	+	1.622E-31	1.4906E-29	-0.44109	hypo	sig	chr20_63769271
chr20	17617755	17617755	+	1.623E-31	1.4911E-29	0.399406	hyper	sig	chr20_17617755
chr7	35257395	35257395	+	1.628E-31	1.4958E-29	0.307265	hyper	sig	chr7_35257395
chr1	92480540	92480540	+	1.632E-31	1.4988E-29	0.509024	hyper	sig	chr1_92480540
chr2	2.22E+08	222304235	+	1.632E-31	1.4988E-29	0.321772	hyper	sig	chr2_222304235
chr13	52848207	52848207	+	1.64E-31	1.5059E-29	0.340274	hyper	sig	chr13_52848207
chr6	30127363	30127363	+	1.643E-31	1.5087E-29	0.329069	hyper	sig	chr6_30127363
chr10	1.02E+08	102436456	+	1.647E-31	1.5121E-29	-0.33068	hypo	sig	chr10_102436456
chr4	1.51E+08	150583768	+	1.65E-31	1.5146E-29	0.381683	hyper	sig	chr4_150583768
chr19	46412539	46412539	+	1.654E-31	1.5178E-29	0.358839	hyper	sig	chr19_46412539
chr6	1.32E+08	131949383	+	1.655E-31	1.5188E-29	0.341577	hyper	sig	chr6_131949383
chr10	49115173	49115173	+	1.656E-31	1.5197E-29	0.303952	hyper	sig	chr10_49115173
chr8	79611129	79611129	+	1.662E-31	1.5252E-29	0.341486	hyper	sig	chr8_79611129
chr7	22654709	22654709	+	1.663E-31	1.5252E-29	-0.33747	hypo	sig	chr7_22654709
chr14	36663911	36663911	+	1.667E-31	1.5289E-29	0.301597	hyper	sig	chr14_36663911
chr2	1.19E+08	118857925	+	1.667E-31	1.5289E-29	0.34782	hyper	sig	chr2_118857925
chr1	90724596	90724596	+	1.669E-31	1.5308E-29	0.334401	hyper	sig	chr1_90724596
chr2	66440329	66440329	+	1.67E-31	1.5314E-29	0.279529	hyper	sig	chr2_66440329
chr9	1.37E+08	137078885	+	1.672E-31	1.5332E-29	0.393624	hyper	sig	chr9_137078885
chr1	18632844	18632844	+	1.673E-31	1.5339E-29	0.328876	hyper	sig	chr1_18632844
chr12	1.3E+08	130336935	+	1.69E-31	1.5489E-29	-0.334	hypo	sig	chr12_130336935
chr19	36331656	36331656	+	1.716E-31	1.5732E-29	0.278075	hyper	sig	chr19_36331656
chr7	797888	797888	+	1.724E-31	1.5804E-29	0.303707	hyper	sig	chr7_797888
chr13	57629853	57629853	+	1.736E-31	1.5912E-29	0.358202	hyper	sig	chr13_57629853
chr16	22371433	22371433	+	1.748E-31	1.6021E-29	-0.30469	hypo	sig	chr16_22371433
chr10	7408435	7408435	+	1.756E-31	1.6084E-29	0.28131	hyper	sig	chr10_7408435

chr10	697991	697991	+	1.757E-31	1.6098E-29	-0.35723	hypo	sig	chr10_697991
chr19	23002856	23002856	+	1.763E-31	1.6145E-29	0.352171	hyper	sig	chr19_23002856
chr2	951359	951359	+	1.767E-31	1.6185E-29	0.376692	hyper	sig	chr2_951359
chr10	1.05E+08	104640944	+	1.768E-31	1.6187E-29	0.371208	hyper	sig	chr10_104640944
chr2	2.39E+08	239250076	+	1.769E-31	1.6199E-29	0.393644	hyper	sig	chr2_239250076
chr13	1.08E+08	107868015	+	1.775E-31	1.6253E-29	0.24052	hyper	sig	chr13_107868015
chr12	53952039	53952039	+	1.778E-31	1.6278E-29	0.291173	hyper	sig	chr12_53952039
chr19	39892009	39892009	+	1.781E-31	1.6306E-29	0.353587	hyper	sig	chr19_39892009
chr5	1876240	1876240	+	1.791E-31	1.6388E-29	0.308666	hyper	sig	chr5_1876240
chr10	1.33E+08	132943053	+	1.794E-31	1.6419E-29	0.440927	hyper	sig	chr10_132943053
chr16	66579150	66579150	+	1.796E-31	1.6436E-29	0.287366	hyper	sig	chr16_66579150
chr7	97007358	97007358	+	1.8E-31	1.6465E-29	0.368698	hyper	sig	chr7_97007358
chr1	3417537	3417537	+	1.8E-31	1.6471E-29	-0.28872	hypo	sig	chr1_3417537
chr14	35402748	35402748	+	1.801E-31	1.6477E-29	0.328911	hyper	sig	chr14_35402748
chr5	1.41E+08	141330882	+	1.804E-31	1.6501E-29	0.336076	hyper	sig	chr5_141330882
chr16	67964183	67964183	+	1.808E-31	1.6533E-29	0.378415	hyper	sig	chr16_67964183
chr6	79947240	79947240	+	1.808E-31	1.6534E-29	0.217715	hyper	sig	chr6_79947240
chr14	95227447	95227447	+	1.81E-31	1.6547E-29	0.295959	hyper	sig	chr14_95227447
chr17	77233705	77233705	+	1.811E-31	1.6556E-29	-0.36867	hypo	sig	chr17_77233705
chr20	56004302	56004302	+	1.818E-31	1.6623E-29	0.365646	hyper	sig	chr20_56004302
chr5	1.74E+08	174212039	+	1.822E-31	1.6649E-29	-0.37085	hypo	sig	chr5_174212039
chr11	85665923	85665923	+	1.824E-31	1.667E-29	-0.30592	hypo	sig	chr11_85665923
chr2	1.74E+08	174329035	+	1.836E-31	1.6781E-29	0.32882	hyper	sig	chr2_174329035
chr5	1.73E+08	172748735	+	1.846E-31	1.6869E-29	0.381714	hyper	sig	chr5_172748735
chr16	67185247	67185247	+	1.854E-31	1.6938E-29	0.325689	hyper	sig	chr16_67185247
chr16	51113625	51113625	+	1.859E-31	1.6983E-29	0.294584	hyper	sig	chr16_51113625
chr16	71426412	71426412	+	1.87E-31	1.7082E-29	0.250408	hyper	sig	chr16_71426412
chr8	48923664	48923664	+	1.884E-31	1.7207E-29	-0.32683	hypo	sig	chr8_48923664
chr12	84911901	84911901	+	1.889E-31	1.7246E-29	0.253863	hyper	sig	chr12_84911901
chr8	42768749	42768749	+	1.891E-31	1.7266E-29	-0.34066	hypo	sig	chr8_42768749
chr2	96500721	96500721	+	1.893E-31	1.7279E-29	0.404858	hyper	sig	chr2_96500721
chr13	40188121	40188121	+	1.894E-31	1.7287E-29	-0.37227	hypo	sig	chr13_40188121
chr1	2.44E+08	243739676	+	1.895E-31	1.7292E-29	-0.40814	hypo	sig	chr1_243739676
chr17	45430173	45430173	+	1.896E-31	1.7298E-29	0.412826	hyper	sig	chr17_45430173
chr19	49436776	49436776	+	1.899E-31	1.7326E-29	0.38887	hyper	sig	chr19_49436776
chr8	68330689	68330689	+	1.9E-31	1.7338E-29	0.312855	hyper	sig	chr8_68330689
chr8	1.42E+08	142464433	+	1.909E-31	1.7418E-29	0.361423	hyper	sig	chr8_142464433
chr5	1.5E+08	150303230	+	1.917E-31	1.7485E-29	0.309269	hyper	sig	chr5_150303230
chr7	1513560	1513560	+	1.917E-31	1.7487E-29	-0.34671	hypo	sig	chr7_1513560
chr1	47445244	47445244	+	1.92E-31	1.751E-29	0.257547	hyper	sig	chr1_47445244
chr8	21788699	21788699	+	1.923E-31	1.7534E-29	0.292647	hyper	sig	chr8_21788699
chr17	19745657	19745657	+	1.926E-31	1.7562E-29	-0.32104	hypo	sig	chr17_19745657
chr11	18792577	18792577	+	1.931E-31	1.7601E-29	0.322871	hyper	sig	chr11_18792577
chr12	63669238	63669238	+	1.931E-31	1.7601E-29	0.22201	hyper	sig	chr12_63669238
chr9	1.34E+08	133922046	+	1.938E-31	1.7661E-29	0.444086	hyper	sig	chr9_133922046
chr8	94262617	94262617	+	1.939E-31	1.767E-29	0.341123	hyper	sig	chr8_94262617
chr20	2559182	2559182	+	1.943E-31	1.7706E-29	0.281157	hyper	sig	chr20_2559182
chr19	15233588	15233588	+	1.946E-31	1.7731E-29	0.356654	hyper	sig	chr19_15233588
chr19	57614694	57614694	+	1.95E-31	1.7764E-29	0.319737	hyper	sig	chr19_57614694
chr3	1.26E+08	125698566	+	1.952E-31	1.7783E-29	-0.32913	hypo	sig	chr3_125698566
chr1	1.13E+08	112852264	+	1.953E-31	1.7787E-29	-0.42429	hypo	sig	chr1_112852264
chr5	2753632	2753632	+	1.957E-31	1.7826E-29	0.38627	hyper	sig	chr5_2753632
chr8	48911625	48911625	+	1.958E-31	1.7826E-29	-0.33161	hypo	sig	chr8_48911625
chr4	41747395	41747395	+	1.959E-31	1.784E-29	0.371464	hyper	sig	chr4_41747395
chr22	31104981	31104981	+	1.969E-31	1.7925E-29	0.406855	hyper	sig	chr22_31104981
chr8	1.44E+08	143598927	+	1.97E-31	1.793E-29	0.322513	hyper	sig	chr8_143598927

chr8	54454274	54454274	+	1.977E-31	1.7998E-29	0.371162	hyper	sig	chr8_54454274
chr19	18650635	18650635	+	1.987E-31	1.8082E-29	0.366109	hyper	sig	chr19_18650635
chr16	54290298	54290298	+	1.995E-31	1.8153E-29	0.302799	hyper	sig	chr16_54290298
chr3	1.4E+08	139539888	+	1.995E-31	1.8153E-29	0.274742	hyper	sig	chr3_139539888
chr16	86513929	86513929	+	1.998E-31	1.8176E-29	0.392229	hyper	sig	chr16_86513929
chr5	1.41E+08	141156594	+	2E-31	1.8188E-29	0.345998	hyper	sig	chr5_141156594
chr7	85186227	85186227	+	2E-31	1.8188E-29	0.365213	hyper	sig	chr7_85186227
chr12	1.14E+08	114403883	+	2.005E-31	1.8234E-29	0.361814	hyper	sig	chr12_114403883
chr8	30442649	30442649	+	2.007E-31	1.8249E-29	0.318658	hyper	sig	chr8_30442649
chr2	27308384	27308384	+	2.008E-31	1.8257E-29	0.322054	hyper	sig	chr2_27308384
chr9	1.34E+08	133565724	+	2.011E-31	1.8286E-29	0.380872	hyper	sig	chr9_133565724
chr13	31100936	31100936	+	2.026E-31	1.8417E-29	-0.31473	hypo	sig	chr13_31100936
chr12	72273944	72273944	+	2.027E-31	1.8421E-29	0.357057	hyper	sig	chr12_72273944
chr17	42851989	42851989	+	2.029E-31	1.8439E-29	0.351422	hyper	sig	chr17_42851989
chr1	92481215	92481215	+	2.031E-31	1.8453E-29	0.325918	hyper	sig	chr1_92481215
chr3	1.29E+08	128865686	+	2.033E-31	1.8473E-29	0.294422	hyper	sig	chr3_128865686
chr1	2073872	2073872	+	2.034E-31	1.8482E-29	0.39523	hyper	sig	chr1_2073872
chr3	75655909	75655909	+	2.034E-31	1.8482E-29	0.374656	hyper	sig	chr3_75655909
chr5	79690267	79690267	+	2.038E-31	1.8512E-29	0.48635	hyper	sig	chr5_79690267
chr16	1150086	1150086	+	2.045E-31	1.8575E-29	0.331461	hyper	sig	chr16_1150086
chr5	51389770	51389770	+	2.049E-31	1.8607E-29	0.349714	hyper	sig	chr5_51389770
chr1	2.02E+08	201644330	+	2.05E-31	1.8619E-29	-0.41868	hypo	sig	chr1_201644330
chr4	41881113	41881113	+	2.053E-31	1.8642E-29	0.339071	hyper	sig	chr4_41881113
chr12	64826514	64826514	+	2.058E-31	1.8684E-29	0.248182	hyper	sig	chr12_64826514
chr15	39584047	39584047	+	2.058E-31	1.8684E-29	0.348882	hyper	sig	chr15_39584047
chr12	53945167	53945167	+	2.062E-31	1.8719E-29	0.370791	hyper	sig	chr12_53945167
chr5	55223189	55223189	+	2.063E-31	1.8719E-29	0.379399	hyper	sig	chr5_55223189
chr16	56190854	56190854	+	2.066E-31	1.8746E-29	0.286075	hyper	sig	chr16_56190854
chr6	1.27E+08	127119635	+	2.066E-31	1.8746E-29	0.291766	hyper	sig	chr6_127119635
chr16	62036397	62036397	+	2.067E-31	1.875E-29	0.302103	hyper	sig	chr16_62036397
chr11	69818964	69818964	+	2.076E-31	1.8834E-29	0.330654	hyper	sig	chr11_69818964
chr11	69819778	69819778	+	2.078E-31	1.8846E-29	0.278502	hyper	sig	chr11_69819778
chr10	1.3E+08	129525735	+	2.094E-31	1.8989E-29	0.292539	hyper	sig	chr10_129525735
chr7	923107	923107	+	2.108E-31	1.912E-29	-0.27278	hypo	sig	chr7_923107
chr8	55939594	55939594	+	2.114E-31	1.9165E-29	0.370069	hyper	sig	chr8_55939594
chr10	18713102	18713102	+	2.127E-31	1.9285E-29	-0.36443	hypo	sig	chr10_18713102
chr13	1.1E+08	110388244	+	2.133E-31	1.9332E-29	0.353067	hyper	sig	chr13_110388244
chr5	88678283	88678283	+	2.135E-31	1.9347E-29	0.308666	hyper	sig	chr5_88678283
chr16	29235715	29235715	+	2.141E-31	1.9403E-29	-0.30665	hypo	sig	chr16_29235715
chr7	93043647	93043647	+	2.145E-31	1.9439E-29	0.359665	hyper	sig	chr7_93043647
chr17	79981368	79981368	+	2.148E-31	1.9459E-29	0.338504	hyper	sig	chr17_79981368
chr17	82243363	82243363	+	2.157E-31	1.9539E-29	0.385208	hyper	sig	chr17_82243363
chr5	3592410	3592410	+	2.165E-31	1.9615E-29	0.327202	hyper	sig	chr5_3592410
chr11	32429074	32429074	+	2.175E-31	1.9701E-29	0.291634	hyper	sig	chr11_32429074
chr7	4837307	4837307	+	2.179E-31	1.9736E-29	-0.32951	hypo	sig	chr7_4837307
chr3	198426	198426	+	2.183E-31	1.9768E-29	0.407722	hyper	sig	chr3_198426
chr13	52845512	52845512	+	2.185E-31	1.9784E-29	0.382058	hyper	sig	chr13_52845512
chr14	73783849	73783849	+	2.187E-31	1.9796E-29	0.401834	hyper	sig	chr14_73783849
chr14	1.04E+08	103879644	+	2.191E-31	1.9837E-29	-0.30918	hypo	sig	chr14_103879644
chr15	1.01E+08	100880431	+	2.192E-31	1.984E-29	0.423728	hyper	sig	chr15_100880431
chr10	22345196	22345196	+	2.203E-31	1.9939E-29	0.316582	hyper	sig	chr10_22345196
chr8	51408327	51408327	+	2.203E-31	1.9939E-29	-0.34251	hypo	sig	chr8_51408327
chr14	1.02E+08	101781215	+	2.204E-31	1.9945E-29	0.385335	hyper	sig	chr14_101781215
chr3	13638136	13638136	+	2.208E-31	1.9973E-29	-0.33316	hypo	sig	chr3_13638136
chr15	88605502	88605502	+	2.216E-31	2.0043E-29	0.3172	hyper	sig	chr15_88605502
chr1	50428072	50428072	+	2.22E-31	2.0084E-29	0.21909	hyper	sig	chr1_50428072

chr12	85273901	85273901	+	2.225E-31	2.0119E-29	0.329673	hyper	sig	chr12_85273901
chr5	5139655	5139655	+	2.225E-31	2.0122E-29	0.42116	hyper	sig	chr5_5139655
chr19	37692179	37692179	+	2.226E-31	2.0125E-29	0.211467	hyper	sig	chr19_37692179
chr6	32058963	32058963	+	2.236E-31	2.0217E-29	-0.38714	hypo	sig	chr6_32058963
chr9	1.32E+08	131609194	+	2.236E-31	2.0218E-29	0.382484	hyper	sig	chr9_131609194
chr16	1150083	1150083	+	2.238E-31	2.023E-29	0.343162	hyper	sig	chr16_1150083
chr17	57881420	57881420	+	2.238E-31	2.023E-29	0.381858	hyper	sig	chr17_57881420
chr3	1.72E+08	172448402	+	2.241E-31	2.0248E-29	0.345019	hyper	sig	chr3_172448402
chr7	3175654	3175654	+	2.256E-31	2.0388E-29	-0.3686	hypo	sig	chr7_3175654
chr20	21020487	21020487	+	2.267E-31	2.0482E-29	0.366787	hyper	sig	chr20_21020487
chr6	26743489	26743489	+	2.267E-31	2.0482E-29	0.367251	hyper	sig	chr6_26743489
chr17	52160020	52160020	+	2.274E-31	2.0538E-29	0.294658	hyper	sig	chr17_52160020
chr19	15264451	15264451	+	2.282E-31	2.0615E-29	0.358015	hyper	sig	chr19_15264451
chr7	1.5E+08	150340070	+	2.286E-31	2.0646E-29	0.48225	hyper	sig	chr7_150340070
chr7	1.54E+08	153748080	+	2.29E-31	2.0681E-29	0.362043	hyper	sig	chr7_153748080
chr12	1.24E+08	124289324	+	2.298E-31	2.075E-29	0.344288	hyper	sig	chr12_124289324
chr20	38807123	38807123	+	2.3E-31	2.0765E-29	0.324409	hyper	sig	chr20_38807123
chr2	26342891	26342891	+	2.301E-31	2.0769E-29	-0.34896	hypo	sig	chr2_26342891
chr17	2421820	2421820	+	2.305E-31	2.0806E-29	0.298156	hyper	sig	chr17_2421820
chr7	8441406	8441406	+	2.309E-31	2.0842E-29	0.377942	hyper	sig	chr7_8441406
chr11	2300842	2300842	+	2.314E-31	2.0879E-29	-0.32771	hypo	sig	chr11_2300842
chr11	1.03E+08	103096269	+	2.314E-31	2.0879E-29	-0.34955	hypo	sig	chr11_103096269
chr8	11736501	11736501	+	2.314E-31	2.0879E-29	-0.40059	hypo	sig	chr8_11736501
chr8	1.42E+08	142441932	+	2.314E-31	2.0879E-29	-0.27596	hypo	sig	chr8_142441932
chr21	45295104	45295104	+	2.339E-31	2.1098E-29	0.353367	hyper	sig	chr21_45295104
chr10	1182529	1182529	+	2.342E-31	2.1122E-29	-0.38703	hypo	sig	chr10_1182529
chr21	45295093	45295093	+	2.348E-31	2.1178E-29	0.348734	hyper	sig	chr21_45295093
chr6	29792728	29792728	+	2.349E-31	2.1181E-29	0.301602	hyper	sig	chr6_29792728
chr8	1.31E+08	131039819	+	2.351E-31	2.1194E-29	0.364804	hyper	sig	chr8_131039819
chr2	1.28E+08	127653184	+	2.357E-31	2.125E-29	0.385709	hyper	sig	chr2_127653184
chr7	1.58E+08	157684145	+	2.364E-31	2.1309E-29	0.450506	hyper	sig	chr7_157684145
chr5	44389763	44389763	+	2.37E-31	2.1365E-29	0.341117	hyper	sig	chr5_44389763
chr9	1.36E+08	136356284	+	2.373E-31	2.1381E-29	-0.34034	hypo	sig	chr9_136356284
chr8	1.4E+08	140047318	+	2.382E-31	2.1468E-29	0.300777	hyper	sig	chr8_140047318
chr17	19448591	19448591	+	2.391E-31	2.1541E-29	0.332002	hyper	sig	chr17_19448591
chr19	33684561	33684561	+	2.393E-31	2.1558E-29	0.285217	hyper	sig	chr19_33684561
chr19	1467009	1467009	+	2.394E-31	2.1565E-29	0.347903	hyper	sig	chr19_1467009
chr4	1533932	1533932	+	2.395E-31	2.1575E-29	0.346612	hyper	sig	chr4_1533932
chr8	30442606	30442606	+	2.413E-31	2.1734E-29	0.394869	hyper	sig	chr8_30442606
chr12	1.09E+08	108802146	+	2.416E-31	2.1754E-29	0.382588	hyper	sig	chr12_108802146
chr7	1.54E+08	153749641	+	2.416E-31	2.1754E-29	0.358624	hyper	sig	chr7_153749641
chr1	9127678	9127678	+	2.417E-31	2.1756E-29	-0.31515	hypo	sig	chr1_9127678
chr7	1.52E+08	151796640	+	2.435E-31	2.192E-29	-0.39382	hypo	sig	chr7_151796640
chr2	70889530	70889530	+	2.442E-31	2.1976E-29	0.285194	hyper	sig	chr2_70889530
chr7	4767863	4767863	+	2.442E-31	2.1976E-29	0.423865	hyper	sig	chr7_4767863
chr16	3236106	3236106	+	2.443E-31	2.1982E-29	-0.39176	hypo	sig	chr16_3236106
chr15	92583850	92583850	+	2.449E-31	2.2037E-29	-0.3534	hypo	sig	chr15_92583850
chr12	66830	66830	+	2.454E-31	2.2081E-29	0.28859	hyper	sig	chr12_66830
chr2	1059101	1059101	+	2.456E-31	2.2092E-29	-0.29488	hypo	sig	chr2_1059101
chr13	1.08E+08	107868216	+	2.458E-31	2.2112E-29	0.327394	hyper	sig	chr13_107868216
chr2	1.82E+08	181684063	+	2.46E-31	2.2126E-29	0.374866	hyper	sig	chr2_181684063
chr4	3649751	3649751	+	2.471E-31	2.222E-29	-0.34189	hypo	sig	chr4_3649751
chr8	42052914	42052914	+	2.478E-31	2.2286E-29	-0.44289	hypo	sig	chr8_42052914
chr22	48550254	48550254	+	2.481E-31	2.2303E-29	-0.35399	hypo	sig	chr22_48550254
chr14	1.04E+08	103519890	+	2.495E-31	2.2429E-29	0.31609	hyper	sig	chr14_103519890
chr8	84184917	84184917	+	2.498E-31	2.2459E-29	0.370228	hyper	sig	chr8_84184917

chr2	85577609	85577609	+	2.502E-31	2.2492E-29	-0.30919	hypo	sig	chr2_85577609
chr14	1.04E+08	104450834	+	2.506E-31	2.2521E-29	0.357393	hyper	sig	chr14_104450834
chr21	34884013	34884013	+	2.514E-31	2.2594E-29	-0.30356	hypo	sig	chr21_34884013
chr2	1.39E+08	138780247	+	2.516E-31	2.2605E-29	0.297696	hyper	sig	chr2_138780247
chr7	26153955	26153955	+	2.52E-31	2.2644E-29	-0.29652	hypo	sig	chr7_26153955
chr16	87937025	87937025	+	2.522E-31	2.2658E-29	-0.34544	hypo	sig	chr16_87937025
chr2	27308659	27308659	+	2.526E-31	2.2688E-29	0.321876	hyper	sig	chr2_27308659
chr16	89817633	89817633	+	2.53E-31	2.2718E-29	-0.28494	hypo	sig	chr16_89817633
chr19	33684558	33684558	+	2.53E-31	2.2718E-29	0.285355	hyper	sig	chr19_33684558
chr11	75091002	75091002	+	2.533E-31	2.274E-29	-0.34148	hypo	sig	chr11_75091002
chr19	310535	310535	+	2.538E-31	2.2784E-29	0.374183	hyper	sig	chr19_310535
chr19	1908312	1908312	+	2.55E-31	2.2892E-29	-0.31313	hypo	sig	chr19_1908312
chr7	4764802	4764802	+	2.554E-31	2.2921E-29	0.274929	hyper	sig	chr7_4764802
chr12	1.14E+08	114439261	+	2.556E-31	2.2937E-29	0.286906	hyper	sig	chr12_114439261
chr13	57629502	57629502	+	2.559E-31	2.2969E-29	0.329641	hyper	sig	chr13_57629502
chr14	43939233	43939233	+	2.561E-31	2.2981E-29	-0.29532	hypo	sig	chr14_43939233
chr10	23693659	23693659	+	2.567E-31	2.3028E-29	0.291504	hyper	sig	chr10_23693659
chr17	74935583	74935583	+	2.57E-31	2.3054E-29	0.394735	hyper	sig	chr17_74935583
chr11	3156362	3156362	+	2.571E-31	2.3064E-29	0.328423	hyper	sig	chr11_3156362
chr19	11454735	11454735	+	2.572E-31	2.3067E-29	-0.39783	hypo	sig	chr19_11454735
chr19	40568221	40568221	+	2.572E-31	2.3067E-29	0.361078	hyper	sig	chr19_40568221
chr2	5697347	5697347	+	2.572E-31	2.3067E-29	0.421377	hyper	sig	chr2_5697347
chr16	89162553	89162553	+	2.576E-31	2.3101E-29	-0.38437	hypo	sig	chr16_89162553
chr16	89032374	89032374	+	2.581E-31	2.314E-29	-0.28679	hypo	sig	chr16_89032374
chr7	1040872	1040872	+	2.584E-31	2.3159E-29	0.339023	hyper	sig	chr7_1040872
chr9	34809699	34809699	+	2.597E-31	2.328E-29	0.380319	hyper	sig	chr9_34809699
chr2	951449	951449	+	2.609E-31	2.3381E-29	0.364566	hyper	sig	chr2_951449
chr13	1.13E+08	113413736	+	2.623E-31	2.3502E-29	0.357503	hyper	sig	chr13_113413736
chr22	36325600	36325600	+	2.628E-31	2.355E-29	0.368731	hyper	sig	chr22_36325600
chr7	1123954	1123954	+	2.636E-31	2.3619E-29	0.327523	hyper	sig	chr7_1123954
chr14	84091749	84091749	+	2.638E-31	2.3634E-29	-0.39553	hypo	sig	chr14_84091749
chr16	11259004	11259004	+	2.64E-31	2.3651E-29	-0.26906	hypo	sig	chr16_11259004
chr3	62370635	62370635	+	2.645E-31	2.3692E-29	0.354929	hyper	sig	chr3_62370635
chr10	22345206	22345206	+	2.647E-31	2.3704E-29	0.307154	hyper	sig	chr10_22345206
chr1	51234937	51234937	+	2.652E-31	2.3745E-29	-0.31158	hypo	sig	chr1_51234937
chr7	50303735	50303735	+	2.653E-31	2.3749E-29	0.27009	hyper	sig	chr7_50303735
chr1	78491180	78491180	+	2.664E-31	2.3846E-29	0.346757	hyper	sig	chr1_78491180
chr4	1.51E+08	150582416	+	2.664E-31	2.3846E-29	0.382121	hyper	sig	chr4_150582416
chr2	1.15E+08	115163092	+	2.668E-31	2.3877E-29	0.386469	hyper	sig	chr2_115163092
chr11	2160375	2160375	+	2.669E-31	2.3884E-29	-0.33844	hypo	sig	chr11_2160375
chr15	81164491	81164491	+	2.671E-31	2.3905E-29	-0.36827	hypo	sig	chr15_81164491
chr3	1.84E+08	184492315	+	2.675E-31	2.3938E-29	0.380169	hyper	sig	chr3_184492315
chr8	13100621	13100621	+	2.677E-31	2.395E-29	0.348214	hyper	sig	chr8_13100621
chr5	1.81E+08	181100495	+	2.678E-31	2.3953E-29	0.305343	hyper	sig	chr5_181100495
chr5	2387919	2387919	+	2.684E-31	2.4005E-29	0.366556	hyper	sig	chr5_2387919
chr14	36513508	36513508	+	2.692E-31	2.4076E-29	0.365708	hyper	sig	chr14_36513508
chr13	36345818	36345818	+	2.702E-31	2.4164E-29	0.393041	hyper	sig	chr13_36345818
chr8	1.08E+08	108083723	+	2.704E-31	2.4179E-29	0.254714	hyper	sig	chr8_108083723
chr17	40350175	40350175	+	2.71E-31	2.4226E-29	0.350741	hyper	sig	chr17_40350175
chr7	44141005	44141005	+	2.71E-31	2.4226E-29	-0.36901	hypo	sig	chr7_44141005
chr2	1633262	1633262	+	2.711E-31	2.4233E-29	-0.48611	hypo	sig	chr2_1633262
chr3	1.38E+08	137763397	+	2.731E-31	2.4408E-29	0.384444	hyper	sig	chr3_137763397
chr3	10142875	10142875	+	2.732E-31	2.4416E-29	-0.39427	hypo	sig	chr3_10142875
chr16	3183802	3183802	+	2.733E-31	2.4421E-29	0.293757	hyper	sig	chr16_3183802
chr1	1.65E+08	165445254	+	2.735E-31	2.4433E-29	0.258917	hyper	sig	chr1_165445254
chr8	38318166	38318166	+	2.742E-31	2.4493E-29	0.292721	hyper	sig	chr8_38318166

chr13	1.13E+08	113405895	+	2.748E-31	2.4551E-29	-0.4713	hypo	sig	chr13_113405895
chr11	64061247	64061247	+	2.752E-31	2.4579E-29	0.351802	hyper	sig	chr11_64061247
chr1	2E+08	200041682	+	2.762E-31	2.4665E-29	0.445385	hyper	sig	chr1_200041682
chr17	50363808	50363808	+	2.763E-31	2.4672E-29	0.39786	hyper	sig	chr17_50363808
chr8	41621229	41621229	+	2.77E-31	2.473E-29	0.337943	hyper	sig	chr8_41621229
chr8	84183499	84183499	+	2.77E-31	2.473E-29	0.571577	hyper	sig	chr8_84183499
chr5	43034168	43034168	+	2.775E-31	2.4772E-29	0.356004	hyper	sig	chr5_43034168
chr7	90118983	90118983	+	2.778E-31	2.4791E-29	0.316398	hyper	sig	chr7_90118983
chr20	21713761	21713761	+	2.778E-31	2.4795E-29	0.320999	hyper	sig	chr20_21713761
chr4	92305406	92305406	+	2.792E-31	2.4913E-29	0.301044	hyper	sig	chr4_92305406
chr13	1.01E+08	101416645	+	2.809E-31	2.5057E-29	0.367263	hyper	sig	chr13_101416645
chr9	95459359	95459359	+	2.808E-31	2.5057E-29	0.34695	hyper	sig	chr9_95459359
chr1	1.19E+08	118986046	+	2.817E-31	2.5129E-29	0.363836	hyper	sig	chr1_118986046
chr7	797936	797936	+	2.821E-31	2.5162E-29	0.331116	hyper	sig	chr7_797936
chr1	3651394	3651394	+	2.823E-31	2.5182E-29	0.285293	hyper	sig	chr1_3651394
chr5	88678318	88678318	+	2.825E-31	2.5193E-29	0.331843	hyper	sig	chr5_88678318
chr1	1.81E+08	181413780	+	2.826E-31	2.5196E-29	-0.29609	hypo	sig	chr1_181413780
chr3	1.47E+08	147411432	+	2.839E-31	2.531E-29	0.356005	hyper	sig	chr3_147411432
chr1	1.19E+08	119006579	+	2.853E-31	2.5437E-29	0.332346	hyper	sig	chr1_119006579
chr2	63055815	63055815	+	2.854E-31	2.5445E-29	0.307029	hyper	sig	chr2_63055815
chr11	1.08E+08	107929253	+	2.856E-31	2.5456E-29	0.254272	hyper	sig	chr11_107929253
chr6	1E+08	100448179	+	2.861E-31	2.5498E-29	0.40804	hyper	sig	chr6_100448179
chr5	1.41E+08	141339164	+	2.862E-31	2.5505E-29	0.311332	hyper	sig	chr5_141339164
chr3	1.22E+08	122180709	+	2.868E-31	2.5558E-29	-0.32815	hypo	sig	chr3_122180709
chr2	2.33E+08	233059985	+	2.871E-31	2.5572E-29	-0.37155	hypo	sig	chr2_233059985
chr3	1.54E+08	154094237	+	2.871E-31	2.5572E-29	0.284838	hyper	sig	chr3_154094237
chr17	76700655	76700655	+	2.879E-31	2.5648E-29	0.340454	hyper	sig	chr17_76700655
chr3	1.47E+08	147423501	+	2.887E-31	2.5716E-29	0.325866	hyper	sig	chr3_147423501
chr8	53877152	53877152	+	2.907E-31	2.5886E-29	0.426296	hyper	sig	chr8_53877152
chr2	1.19E+08	118841963	+	2.91E-31	2.5907E-29	0.298297	hyper	sig	chr2_118841963
chr5	1.46E+08	146343227	+	2.922E-31	2.6018E-29	0.301208	hyper	sig	chr5_146343227
chr13	30924896	30924896	+	2.939E-31	2.6167E-29	-0.34572	hypo	sig	chr13_30924896
chr19	6670157	6670157	+	2.947E-31	2.6228E-29	-0.34987	hypo	sig	chr19_6670157
chr12	6132727	6132727	+	2.962E-31	2.6359E-29	0.35343	hyper	sig	chr12_6132727
chr5	33936148	33936148	+	2.962E-31	2.6359E-29	0.301097	hyper	sig	chr5_33936148
chr4	1.53E+08	153249603	+	2.968E-31	2.6407E-29	0.324662	hyper	sig	chr4_153249603
chr5	1.41E+08	141432060	+	2.971E-31	2.6434E-29	0.37458	hyper	sig	chr5_141432060
chr19	12721084	12721084	+	2.977E-31	2.6487E-29	0.298152	hyper	sig	chr19_12721084
chr2	88866249	88866249	+	2.995E-31	2.6638E-29	-0.30492	hypo	sig	chr2_88866249
chr13	1.01E+08	101416678	+	3.013E-31	2.6802E-29	0.356812	hyper	sig	chr13_101416678
chr3	1.72E+08	172448404	+	3.016E-31	2.6821E-29	0.340253	hyper	sig	chr3_172448404
chr7	1.2E+08	120274524	+	3.017E-31	2.6825E-29	-0.37001	hypo	sig	chr7_120274524
chr11	32429076	32429076	+	3.02E-31	2.6853E-29	0.291647	hyper	sig	chr11_32429076
chr5	73420169	73420169	+	3.032E-31	2.6955E-29	0.294115	hyper	sig	chr5_73420169
chr1	99005252	99005252	+	3.051E-31	2.7125E-29	0.293858	hyper	sig	chr1_99005252
chr15	99019801	99019801	+	3.059E-31	2.7192E-29	-0.38265	hypo	sig	chr15_99019801
chr14	28774465	28774465	+	3.065E-31	2.7236E-29	0.352945	hyper	sig	chr14_28774465
chr14	20633618	20633618	+	3.072E-31	2.7297E-29	0.339779	hyper	sig	chr14_20633618
chr13	50843804	50843804	+	3.076E-31	2.7331E-29	0.403204	hyper	sig	chr13_50843804
chr7	1.36E+08	135748605	+	3.085E-31	2.7405E-29	-0.34751	hypo	sig	chr7_135748605
chr11	2385034	2385034	+	3.086E-31	2.7419E-29	0.281948	hyper	sig	chr11_2385034
chr2	24919329	24919329	+	3.09E-31	2.7451E-29	-0.24099	hypo	sig	chr2_24919329
chr13	1.08E+08	107865940	+	3.122E-31	2.7732E-29	0.342485	hyper	sig	chr13_107865940
chr11	1.17E+08	117199769	+	3.127E-31	2.7769E-29	0.318186	hyper	sig	chr11_117199769
chr15	37098116	37098116	+	3.142E-31	2.7901E-29	0.370594	hyper	sig	chr15_37098116
chr4	1.84E+08	183917063	+	3.142E-31	2.7901E-29	-0.29232	hypo	sig	chr4_183917063

chr16	31042454	31042454	+	3.145E-31	2.7924E-29	0.38606	hyper	sig	chr16_31042454
chr13	27918944	27918944	+	3.148E-31	2.7945E-29	0.372305	hyper	sig	chr13_27918944
chr19	20661373	20661373	+	3.149E-31	2.7952E-29	0.315446	hyper	sig	chr19_20661373
chr16	1040188	1040188	+	3.158E-31	2.8025E-29	-0.4074	hypo	sig	chr16_1040188
chr7	1742669	1742669	+	3.158E-31	2.8027E-29	-0.38278	hypo	sig	chr7_1742669
chr9	97852597	97852597	+	3.162E-31	2.8056E-29	0.430006	hyper	sig	chr9_97852597
chr3	1.96E+08	195851369	+	3.163E-31	2.8065E-29	-0.2524	hypo	sig	chr3_195851369
chr7	27106695	27106695	+	3.172E-31	2.8134E-29	0.419476	hyper	sig	chr7_27106695
chr7	88758914	88758914	+	3.172E-31	2.8134E-29	0.415253	hyper	sig	chr7_88758914
chr19	846266	846266	+	3.182E-31	2.822E-29	-0.41654	hypo	sig	chr19_846266
chr8	1.41E+08	141388324	+	3.221E-31	2.8566E-29	-0.29133	hypo	sig	chr8_141388324
chr14	1.01E+08	100821339	+	3.228E-31	2.8622E-29	-0.35457	hypo	sig	chr14_100821339
chr8	1.41E+08	140527602	+	3.247E-31	2.8789E-29	0.37505	hyper	sig	chr8_140527602
chr18	12253834	12253834	+	3.254E-31	2.8847E-29	0.309812	hyper	sig	chr18_12253834
chr11	65872398	65872398	+	3.256E-31	2.8866E-29	0.381515	hyper	sig	chr11_65872398
chr14	85529900	85529900	+	3.267E-31	2.8954E-29	0.298735	hyper	sig	chr14_85529900
chr5	1.41E+08	141234312	+	3.274E-31	2.9014E-29	0.316842	hyper	sig	chr5_141234312
chr8	1.41E+08	141235163	+	3.285E-31	2.9106E-29	-0.47108	hypo	sig	chr8_141235163
chr2	554363	554363	+	3.285E-31	2.911E-29	-0.35341	hypo	sig	chr2_554363
chr7	1.5E+08	150329909	+	3.287E-31	2.912E-29	0.381696	hyper	sig	chr7_150329909
chr8	60967854	60967854	+	3.298E-31	2.9216E-29	-0.36075	hypo	sig	chr8_60967854
chr15	89360461	89360461	+	3.299E-31	2.9224E-29	0.371822	hyper	sig	chr15_89360461
chr10	774606	774606	+	3.305E-31	2.9275E-29	-0.42482	hypo	sig	chr10_774606
chr13	1.12E+08	112067472	+	3.313E-31	2.9339E-29	0.348488	hyper	sig	chr13_112067472
chr12	3493415	3493415	+	3.318E-31	2.9383E-29	0.381671	hyper	sig	chr12_3493415
chr13	57631924	57631924	+	3.348E-31	2.9643E-29	0.378063	hyper	sig	chr13_57631924
chr6	1.27E+08	127119277	+	3.373E-31	2.9858E-29	0.372597	hyper	sig	chr6_127119277
chr9	77019880	77019880	+	3.373E-31	2.986E-29	0.411602	hyper	sig	chr9_77019880
chr19	58204637	58204637	+	3.39E-31	3E-29	0.358996	hyper	sig	chr19_58204637
chr11	73310229	73310229	+	3.403E-31	3.0114E-29	0.345705	hyper	sig	chr11_73310229
chr22	31104988	31104988	+	3.411E-31	3.0185E-29	0.432537	hyper	sig	chr22_31104988
chr21	35040159	35040159	+	3.412E-31	3.0185E-29	-0.29986	hypo	sig	chr21_35040159
chr16	86496402	86496402	+	3.429E-31	3.0335E-29	0.358069	hyper	sig	chr16_86496402
chr1	90724648	90724648	+	3.43E-31	3.0342E-29	0.308976	hyper	sig	chr1_90724648
chr7	76259922	76259922	+	3.431E-31	3.0346E-29	0.30348	hyper	sig	chr7_76259922
chr10	2315383	2315383	+	3.438E-31	3.0408E-29	-0.34204	hypo	sig	chr10_2315383
chr15	83206915	83206915	+	3.439E-31	3.0408E-29	0.215134	hyper	sig	chr15_83206915
chr2	1.19E+08	118770845	+	3.439E-31	3.0408E-29	-0.36865	hypo	sig	chr2_118770845
chr6	28635119	28635119	+	3.455E-31	3.0544E-29	0.253094	hyper	sig	chr6_28635119
chr11	2140653	2140653	+	3.46E-31	3.0585E-29	0.305175	hyper	sig	chr11_2140653
chr4	41746834	41746834	+	3.464E-31	3.0615E-29	0.318497	hyper	sig	chr4_41746834
chr9	19789385	19789385	+	3.498E-31	3.0918E-29	0.346888	hyper	sig	chr9_19789385
chr14	36513492	36513492	+	3.524E-31	3.114E-29	0.344459	hyper	sig	chr14_36513492
chr1	2.21E+08	220895510	+	3.525E-31	3.1145E-29	0.362601	hyper	sig	chr1_220895510
chr2	5981819	5981819	+	3.527E-31	3.1164E-29	0.408885	hyper	sig	chr2_5981819
chr13	64958449	64958449	+	3.53E-31	3.1186E-29	-0.44554	hypo	sig	chr13_64958449
chr7	54544659	54544659	+	3.531E-31	3.1193E-29	0.377211	hyper	sig	chr7_54544659
chr1	1.98E+08	197913637	+	3.534E-31	3.1215E-29	0.464371	hyper	sig	chr1_197913637
chr12	4909980	4909980	+	3.541E-31	3.1275E-29	0.373033	hyper	sig	chr12_4909980
chr1	1.44E+08	143698903	+	3.543E-31	3.1284E-29	0.41619	hyper	sig	chr1_143698903
chr1	18632365	18632365	+	3.545E-31	3.1304E-29	0.371754	hyper	sig	chr1_18632365
chr12	6620598	6620598	+	3.548E-31	3.1321E-29	0.379124	hyper	sig	chr12_6620598
chr7	921820	921820	+	3.549E-31	3.1331E-29	-0.35302	hypo	sig	chr7_921820
chr1	78491830	78491830	+	3.55E-31	3.1338E-29	0.363995	hyper	sig	chr1_78491830
chr3	44022067	44022067	+	3.559E-31	3.141E-29	0.268588	hyper	sig	chr3_44022067
chr19	57889136	57889136	+	3.571E-31	3.1517E-29	0.296791	hyper	sig	chr19_57889136

chr7	5533140	5533140	+	3.583E-31	3.162E-29	-0.34672	hypo	sig	chr7_5533140
chr16	85947775	85947775	+	3.605E-31	3.1804E-29	-0.48082	hypo	sig	chr16_85947775
chr20	23049590	23049590	+	3.611E-31	3.1856E-29	0.330111	hyper	sig	chr20_23049590
chr5	1.41E+08	140672518	+	3.613E-31	3.1871E-29	0.357192	hyper	sig	chr5_140672518
chr4	1194829	1194829	+	3.617E-31	3.1902E-29	0.40623	hyper	sig	chr4_1194829
chr4	8559430	8559430	+	3.619E-31	3.1915E-29	-0.37126	hypo	sig	chr4_8559430
chr8	49911725	49911725	+	3.63E-31	3.2011E-29	0.346502	hyper	sig	chr8_49911725
chr12	54000293	54000293	+	3.669E-31	3.2351E-29	0.317275	hyper	sig	chr12_54000293
chr6	1.12E+08	112326771	+	3.675E-31	3.2401E-29	-0.34485	hypo	sig	chr6_112326771
chr11	68118157	68118157	+	3.681E-31	3.2445E-29	0.318349	hyper	sig	chr11_68118157
chr12	1.15E+08	114696557	+	3.686E-31	3.2486E-29	0.330553	hyper	sig	chr12_114696557
chr3	1.82E+08	181726780	+	3.696E-31	3.2574E-29	0.300393	hyper	sig	chr3_181726780
chr4	1.66E+08	165869938	+	3.697E-31	3.258E-29	-0.37147	hypo	sig	chr4_165869938
chr16	70686497	70686497	+	3.704E-31	3.264E-29	0.372949	hyper	sig	chr16_70686497
chr5	33936119	33936119	+	3.707E-31	3.2656E-29	0.264028	hyper	sig	chr5_33936119
chr1	18631932	18631932	+	3.726E-31	3.2827E-29	0.389455	hyper	sig	chr1_18631932
chr5	88678627	88678627	+	3.727E-31	3.2831E-29	0.319997	hyper	sig	chr5_88678627
chr13	77919162	77919162	+	3.732E-31	3.2866E-29	0.322088	hyper	sig	chr13_77919162
chr17	75557830	75557830	+	3.735E-31	3.2894E-29	-0.32613	hypo	sig	chr17_75557830
chr2	66425841	66425841	+	3.737E-31	3.2905E-29	0.230081	hyper	sig	chr2_66425841
chr21	36705335	36705335	+	3.738E-31	3.2913E-29	0.428521	hyper	sig	chr21_36705335
chr12	1.2E+08	119804118	+	3.754E-31	3.3046E-29	0.382157	hyper	sig	chr12_119804118
chr19	12195368	12195368	+	3.754E-31	3.3046E-29	0.292767	hyper	sig	chr19_12195368
chr2	44933250	44933250	+	3.758E-31	3.3074E-29	0.414221	hyper	sig	chr2_44933250
chr1	1.44E+08	143675638	+	3.802E-31	3.3457E-29	0.420232	hyper	sig	chr1_143675638
chr8	1.43E+08	142538231	+	3.81E-31	3.3529E-29	-0.39547	hypo	sig	chr8_142538231
chr15	26774118	26774118	+	3.825E-31	3.3655E-29	0.304858	hyper	sig	chr15_26774118
chr14	41608144	41608144	+	3.832E-31	3.3717E-29	0.428381	hyper	sig	chr14_41608144
chr19	51949171	51949171	+	3.833E-31	3.3723E-29	0.338907	hyper	sig	chr19_51949171
chr2	38075091	38075091	+	3.839E-31	3.3772E-29	0.391145	hyper	sig	chr2_38075091
chr10	49115199	49115199	+	3.878E-31	3.4111E-29	0.309262	hyper	sig	chr10_49115199
chr21	42064170	42064170	+	3.891E-31	3.4218E-29	-0.34786	hypo	sig	chr21_42064170
chr11	20160513	20160513	+	3.894E-31	3.4245E-29	0.33168	hyper	sig	chr11_20160513
chr4	7646813	7646813	+	3.909E-31	3.4368E-29	-0.38308	hypo	sig	chr4_7646813
chr16	67649936	67649936	+	3.913E-31	3.4398E-29	0.334347	hyper	sig	chr16_67649936
chr10	1.33E+08	133259456	+	3.918E-31	3.4445E-29	-0.34757	hypo	sig	chr10_133259456
chr20	761134	761134	+	3.93E-31	3.454E-29	0.383779	hyper	sig	chr20_761134
chr22	46685881	46685881	+	3.93E-31	3.454E-29	-0.35249	hypo	sig	chr22_46685881
chr12	1.33E+08	132837840	+	3.948E-31	3.469E-29	0.385223	hyper	sig	chr12_132837840
chr11	64892604	64892604	+	3.968E-31	3.4862E-29	-0.36284	hypo	sig	chr11_64892604
chr13	27927813	27927813	+	3.978E-31	3.4949E-29	0.507353	hyper	sig	chr13_27927813
chr2	5697337	5697337	+	3.979E-31	3.4956E-29	0.388359	hyper	sig	chr2_5697337
chr10	1.01E+08	101134302	+	3.981E-31	3.4971E-29	0.354692	hyper	sig	chr10_101134302
chr16	29156755	29156755	+	3.988E-31	3.5024E-29	-0.45208	hypo	sig	chr16_29156755
chr13	1.14E+08	113533648	+	3.996E-31	3.5089E-29	0.303878	hyper	sig	chr13_113533648
chr19	21475199	21475199	+	3.996E-31	3.5089E-29	0.322109	hyper	sig	chr19_21475199
chr20	38728173	38728173	+	3.997E-31	3.509E-29	0.413473	hyper	sig	chr20_38728173
chr19	49436714	49436714	+	4.007E-31	3.5176E-29	0.322975	hyper	sig	chr19_49436714
chr10	1.28E+08	128047472	+	4.015E-31	3.524E-29	-0.34145	hypo	sig	chr10_128047472
chr1	3892968	3892968	+	4.019E-31	3.5277E-29	0.215284	hyper	sig	chr1_3892968
chr12	80717779	80717779	+	4.02E-31	3.5277E-29	-0.33072	hypo	sig	chr12_80717779
chr1	2.21E+08	220884216	+	4.022E-31	3.5294E-29	0.426006	hyper	sig	chr1_220884216
chr12	81077837	81077837	+	4.044E-31	3.5487E-29	0.32483	hyper	sig	chr12_81077837
chr7	96993296	96993296	+	4.047E-31	3.5503E-29	0.369746	hyper	sig	chr7_96993296
chr9	1045634	1045634	+	4.048E-31	3.5515E-29	0.312193	hyper	sig	chr9_1045634
chr1	2.29E+08	229407365	+	4.05E-31	3.5525E-29	0.47956	hyper	sig	chr1_229407365

chr1	78491823	78491823	+	4.058E-31	3.5588E-29	0.332807	hyper	sig	chr1_78491823
chr5	1.77E+08	177492233	+	4.062E-31	3.5621E-29	0.388049	hyper	sig	chr5_177492233
chr5	1.51E+08	150946428	+	4.068E-31	3.5674E-29	0.384386	hyper	sig	chr5_150946428
chr5	32522904	32522904	+	4.077E-31	3.5745E-29	-0.3195	hypo	sig	chr5_32522904
chr10	71963463	71963463	+	4.099E-31	3.5929E-29	0.31458	hyper	sig	chr10_71963463
chr2	1.21E+08	120978200	+	4.099E-31	3.5929E-29	-0.26107	hypo	sig	chr2_120978200
chr16	84795392	84795392	+	4.106E-31	3.5984E-29	0.300931	hyper	sig	chr16_84795392
chr12	6312602	6312602	+	4.114E-31	3.6053E-29	-0.32704	hypo	sig	chr12_6312602
chr7	1.28E+08	128104471	+	4.122E-31	3.6121E-29	0.273826	hyper	sig	chr7_128104471
chr10	1.28E+08	127737766	+	4.126E-31	3.6152E-29	0.365854	hyper	sig	chr10_127737766
chr10	1.16E+08	116273443	+	4.128E-31	3.6166E-29	0.250262	hyper	sig	chr10_116273443
chr1	8212085	8212085	+	4.133E-31	3.6206E-29	-0.36568	hypo	sig	chr1_8212085
chr1	2074047	2074047	+	4.146E-31	3.6301E-29	0.33293	hyper	sig	chr1_2074047
chr11	1.26E+08	126061609	+	4.145E-31	3.6301E-29	0.339407	hyper	sig	chr11_126061609
chr5	1.73E+08	172647095	+	4.145E-31	3.6301E-29	0.342416	hyper	sig	chr5_172647095
chr6	32221307	32221307	+	4.146E-31	3.6301E-29	-0.30225	hypo	sig	chr6_32221307
chr11	31797916	31797916	+	4.146E-31	3.6303E-29	0.379965	hyper	sig	chr11_31797916
chr14	41606593	41606593	+	4.165E-31	3.6454E-29	0.401902	hyper	sig	chr14_41606593
chr6	22294462	22294462	+	4.165E-31	3.6454E-29	0.318119	hyper	sig	chr6_22294462
chr6	15505158	15505158	+	4.173E-31	3.6526E-29	0.386547	hyper	sig	chr6_15505158
chr20	24470887	24470887	+	4.175E-31	3.6536E-29	0.335393	hyper	sig	chr20_24470887
chr7	93043673	93043673	+	4.179E-31	3.6567E-29	0.350391	hyper	sig	chr7_93043673
chr5	1.35E+08	135490205	+	4.188E-31	3.664E-29	0.274056	hyper	sig	chr5_135490205
chr10	23173237	23173237	+	4.206E-31	3.6797E-29	0.348864	hyper	sig	chr10_23173237
chr16	54289037	54289037	+	4.224E-31	3.695E-29	0.370347	hyper	sig	chr16_54289037
chr5	3823396	3823396	+	4.233E-31	3.7029E-29	-0.28602	hypo	sig	chr5_3823396
chr11	82997034	82997034	+	4.257E-31	3.7227E-29	-0.3245	hypo	sig	chr11_82997034
chr16	4263384	4263384	+	4.257E-31	3.7227E-29	0.305621	hyper	sig	chr16_4263384
chr11	47337721	47337721	+	4.263E-31	3.7274E-29	-0.3681	hypo	sig	chr11_47337721
chr12	51421299	51421299	+	4.267E-31	3.7307E-29	-0.20358	hypo	sig	chr12_51421299
chr1	3651082	3651082	+	4.268E-31	3.7312E-29	0.33361	hyper	sig	chr1_3651082
chr7	27124252	27124252	+	4.272E-31	3.7345E-29	0.345967	hyper	sig	chr7_27124252
chr7	56229910	56229910	+	4.283E-31	3.7432E-29	0.38797	hyper	sig	chr7_56229910
chr7	4767230	4767230	+	4.284E-31	3.7437E-29	0.311452	hyper	sig	chr7_4767230
chr8	48976454	48976454	+	4.315E-31	3.7701E-29	-0.39168	hypo	sig	chr8_48976454
chr3	1.3E+08	129975356	+	4.319E-31	3.7733E-29	0.405675	hyper	sig	chr3_129975356
chr8	54458480	54458480	+	4.32E-31	3.7733E-29	0.313337	hyper	sig	chr8_54458480
chr5	1.29E+08	128536348	+	4.321E-31	3.7741E-29	0.270917	hyper	sig	chr5_128536348
chr5	1.41E+08	141478347	+	4.341E-31	3.7914E-29	0.331032	hyper	sig	chr5_141478347
chr17	81472161	81472161	+	4.35E-31	3.7984E-29	0.313897	hyper	sig	chr17_81472161
chr1	6276683	6276683	+	4.354E-31	3.8021E-29	0.368878	hyper	sig	chr1_6276683
chr3	69012679	69012679	+	4.36E-31	3.8069E-29	0.305699	hyper	sig	chr3_69012679
chr14	88326615	88326615	+	4.377E-31	3.8208E-29	0.252756	hyper	sig	chr14_88326615
chr8	66962015	66962015	+	4.38E-31	3.8231E-29	0.270508	hyper	sig	chr8_66962015
chr6	3825744	3825744	+	4.382E-31	3.8249E-29	0.325309	hyper	sig	chr6_3825744
chr2	2.38E+08	237886706	+	4.387E-31	3.8288E-29	0.42322	hyper	sig	chr2_237886706
chr19	55647847	55647847	+	4.39E-31	3.8305E-29	0.317852	hyper	sig	chr19_55647847
chr11	65546571	65546571	+	4.396E-31	3.8355E-29	-0.29716	hypo	sig	chr11_65546571
chr1	2E+08	200035381	+	4.4E-31	3.8383E-29	0.284212	hyper	sig	chr1_200035381
chr2	1.11E+08	111366539	+	4.413E-31	3.8492E-29	0.41618	hyper	sig	chr2_111366539
chr11	1.18E+08	117783145	+	4.416E-31	3.8519E-29	-0.39525	hypo	sig	chr11_117783145
chr20	9509105	9509105	+	4.434E-31	3.8674E-29	0.335566	hyper	sig	chr20_9509105
chr14	85529932	85529932	+	4.443E-31	3.8743E-29	0.289803	hyper	sig	chr14_85529932
chr1	1.44E+08	143698884	+	4.445E-31	3.8759E-29	0.382551	hyper	sig	chr1_143698884
chr6	1.51E+08	151239833	+	4.446E-31	3.8761E-29	0.338551	hyper	sig	chr6_151239833
chr1	2237790	2237790	+	4.446E-31	3.8763E-29	0.352207	hyper	sig	chr1_2237790

chr4	1.51E+08	150582367	+	4.449E-31	3.8778E-29	0.411046	hyper	sig	chr4_150582367
chr17	41098648	41098648	+	4.45E-31	3.8787E-29	-0.28069	hypo	sig	chr17_41098648
chr5	1.79E+08	178941390	+	4.454E-31	3.8814E-29	0.434309	hyper	sig	chr5_178941390
chr5	1.75E+08	174732036	+	4.457E-31	3.8838E-29	0.31466	hyper	sig	chr5_174732036
chr13	57629548	57629548	+	4.459E-31	3.8846E-29	0.403704	hyper	sig	chr13_57629548
chr7	3302047	3302047	+	4.467E-31	3.8912E-29	0.282921	hyper	sig	chr7_3302047
chr17	36946061	36946061	+	4.479E-31	3.9009E-29	0.311157	hyper	sig	chr17_36946061
chr2	1.3E+08	130051069	+	4.485E-31	3.9059E-29	-0.34339	hypo	sig	chr2_130051069
chr16	2127200	2127200	+	4.487E-31	3.9075E-29	0.229577	hyper	sig	chr16_2127200
chr1	2.08E+08	207669901	+	4.5E-31	3.9186E-29	0.307564	hyper	sig	chr1_207669901
chr16	57797947	57797947	+	4.505E-31	3.9224E-29	-0.34719	hypo	sig	chr16_57797947
chr11	32437181	32437181	+	4.523E-31	3.9371E-29	0.316455	hyper	sig	chr11_32437181
chr1	2.28E+08	228341298	+	4.531E-31	3.944E-29	-0.4012	hypo	sig	chr1_228341298
chr5	1.41E+08	141351883	+	4.546E-31	3.9562E-29	0.396634	hyper	sig	chr5_141351883
chr7	27145890	27145890	+	4.546E-31	3.9562E-29	0.331658	hyper	sig	chr7_27145890
chr11	76232184	76232184	+	4.552E-31	3.961E-29	-0.33848	hypo	sig	chr11_76232184
chr1	1.48E+08	148310223	+	4.561E-31	3.9683E-29	0.3854	hyper	sig	chr1_148310223
chr10	25933912	25933912	+	4.566E-31	3.9725E-29	0.377558	hyper	sig	chr10_25933912
chr1	6555392	6555392	+	4.583E-31	3.9865E-29	0.314137	hyper	sig	chr1_6555392
chr13	21319306	21319306	+	4.607E-31	4.0076E-29	0.395321	hyper	sig	chr13_21319306
chr7	27141790	27141790	+	4.619E-31	4.0171E-29	0.287888	hyper	sig	chr7_27141790
chr1	1.77E+08	177170985	+	4.624E-31	4.0213E-29	0.276552	hyper	sig	chr1_177170985
chr5	1.59E+08	159096917	+	4.631E-31	4.0266E-29	0.490085	hyper	sig	chr5_159096917
chr8	74985075	74985075	+	4.661E-31	4.0526E-29	0.332697	hyper	sig	chr8_74985075
chr19	57888497	57888497	+	4.663E-31	4.0537E-29	0.320084	hyper	sig	chr19_57888497
chr2	1.2E+08	120466150	+	4.674E-31	4.0629E-29	-0.32509	hypo	sig	chr2_120466150
chr13	52487715	52487715	+	4.676E-31	4.0644E-29	-0.31976	hypo	sig	chr13_52487715
chr16	1107285	1107285	+	4.687E-31	4.0737E-29	-0.38727	hypo	sig	chr16_1107285
chr5	1.42E+08	141513604	+	4.693E-31	4.0777E-29	0.536472	hyper	sig	chr5_141513604
chr3	1.47E+08	147397289	+	4.694E-31	4.0783E-29	0.32303	hyper	sig	chr3_147397289
chr13	76887225	76887225	+	4.696E-31	4.0801E-29	0.314258	hyper	sig	chr13_76887225
chr20	8132901	8132901	+	4.705E-31	4.0875E-29	0.353843	hyper	sig	chr20_8132901
chr1	1007235	1007235	+	4.725E-31	4.1045E-29	-0.304	hypo	sig	chr1_1007235
chr19	18438913	18438913	+	4.731E-31	4.1086E-29	0.336136	hyper	sig	chr19_18438913
chr4	2301926	2301926	+	4.735E-31	4.1115E-29	0.355251	hyper	sig	chr4_2301926
chr1	1.14E+08	114154143	+	4.748E-31	4.1223E-29	0.306654	hyper	sig	chr1_114154143
chr1	1.19E+08	119006607	+	4.755E-31	4.1288E-29	0.340882	hyper	sig	chr1_119006607
chr16	15148999	15148999	+	4.76E-31	4.1323E-29	0.283127	hyper	sig	chr16_15148999
chr5	1.32E+08	132492226	+	4.767E-31	4.1383E-29	-0.33708	hypo	sig	chr5_132492226
chr19	53308749	53308749	+	4.773E-31	4.1425E-29	0.360078	hyper	sig	chr19_53308749
chr11	624631	624631	+	4.776E-31	4.145E-29	-0.35273	hypo	sig	chr11_624631
chr17	76709732	76709732	+	4.788E-31	4.1547E-29	0.371204	hyper	sig	chr17_76709732
chr5	1.71E+08	171309247	+	4.794E-31	4.1594E-29	0.350647	hyper	sig	chr5_171309247
chr4	1.54E+08	154491227	+	4.797E-31	4.1614E-29	0.233396	hyper	sig	chr4_154491227
chr16	85162744	85162744	+	4.8E-31	4.1637E-29	0.333676	hyper	sig	chr16_85162744
chr22	42289979	42289979	+	4.808E-31	4.1705E-29	0.328459	hyper	sig	chr22_42289979
chr8	84182669	84182669	+	4.814E-31	4.1751E-29	0.272362	hyper	sig	chr8_84182669
chr12	1.13E+08	113479617	+	4.835E-31	4.1926E-29	0.325111	hyper	sig	chr12_113479617
chr2	1.28E+08	127700733	+	4.857E-31	4.2114E-29	-0.33613	hypo	sig	chr2_127700733
chr15	28107418	28107418	+	4.867E-31	4.2197E-29	0.32738	hyper	sig	chr15_28107418
chr3	1.38E+08	137771980	+	4.87E-31	4.2218E-29	0.239438	hyper	sig	chr3_137771980
chr10	77715267	77715267	+	4.873E-31	4.2237E-29	-0.33462	hypo	sig	chr10_77715267
chr11	69294396	69294396	+	4.876E-31	4.2262E-29	-0.45448	hypo	sig	chr11_69294396
chr2	1.97E+08	196601471	+	4.876E-31	4.2262E-29	-0.38514	hypo	sig	chr2_196601471
chr2	70790486	70790486	+	4.881E-31	4.2294E-29	0.262435	hyper	sig	chr2_70790486
chr8	1.08E+08	108132700	+	4.881E-31	4.2294E-29	-0.37065	hypo	sig	chr8_108132700

chr16	29218845	29218845	+	4.903E-31	4.2479E-29	-0.37196	hypo	sig	chr16_29218845
chr19	3344268	3344268	+	4.904E-31	4.2484E-29	-0.30582	hypo	sig	chr19_3344268
chr7	85185912	85185912	+	4.911E-31	4.2541E-29	0.30465	hyper	sig	chr7_85185912
chr12	1.25E+08	124786760	+	4.927E-31	4.2665E-29	0.371817	hyper	sig	chr12_124786760
chr8	1.04E+08	104325610	+	4.927E-31	4.2665E-29	-0.25879	hypo	sig	chr8_104325610
chr3	62374035	62374035	+	4.928E-31	4.2675E-29	0.303615	hyper	sig	chr3_62374035
chr19	14085598	14085598	+	4.935E-31	4.2727E-29	0.381134	hyper	sig	chr19_14085598
chr15	89409068	89409068	+	4.975E-31	4.3066E-29	0.304538	hyper	sig	chr15_89409068
chr13	1.14E+08	114005031	+	4.979E-31	4.3095E-29	-0.39643	hypo	sig	chr13_114005031
chr13	36211798	36211798	+	4.984E-31	4.3141E-29	-0.34399	hypo	sig	chr13_36211798
chr5	1.41E+08	141374319	+	4.992E-31	4.3205E-29	0.310179	hyper	sig	chr5_141374319
chr17	48551444	48551444	+	4.997E-31	4.3241E-29	0.362819	hyper	sig	chr17_48551444
chr2	74499841	74499841	+	4.999E-31	4.3258E-29	0.276184	hyper	sig	chr2_74499841
chr14	90455333	90455333	+	5.017E-31	4.3409E-29	0.348338	hyper	sig	chr14_90455333
chr6	72621603	72621603	+	5.027E-31	4.3486E-29	0.330373	hyper	sig	chr6_72621603
chr17	76709711	76709711	+	5.041E-31	4.3608E-29	0.380624	hyper	sig	chr17_76709711
chr3	1.47E+08	147397279	+	5.076E-31	4.3905E-29	0.310339	hyper	sig	chr3_147397279
chr16	65126338	65126338	+	5.086E-31	4.3984E-29	-0.34439	hypo	sig	chr16_65126338
chr7	1.4E+08	140435719	+	5.089E-31	4.4003E-29	0.345934	hyper	sig	chr7_140435719
chr5	1.41E+08	141344321	+	5.095E-31	4.4052E-29	0.30819	hyper	sig	chr5_141344321
chr13	21319302	21319302	+	5.102E-31	4.4106E-29	0.378828	hyper	sig	chr13_21319302
chr4	4864403	4864403	+	5.127E-31	4.4316E-29	0.339843	hyper	sig	chr4_4864403
chr5	32734864	32734864	+	5.133E-31	4.4365E-29	-0.40714	hypo	sig	chr5_32734864
chr7	8441175	8441175	+	5.135E-31	4.4375E-29	0.296871	hyper	sig	chr7_8441175
chr12	1.24E+08	124379910	+	5.143E-31	4.4443E-29	0.354833	hyper	sig	chr12_124379910
chr20	3236144	3236144	+	5.145E-31	4.4455E-29	-0.41126	hypo	sig	chr20_3236144
chr14	36513480	36513480	+	5.175E-31	4.4711E-29	0.337772	hyper	sig	chr14_36513480
chr10	1.01E+08	100830611	+	5.193E-31	4.4862E-29	0.302128	hyper	sig	chr10_100830611
chr6	1.51E+08	151241530	+	5.196E-31	4.4881E-29	0.274674	hyper	sig	chr6_151241530
chr1	15756634	15756634	+	5.205E-31	4.4953E-29	-0.29459	hypo	sig	chr1_15756634
chr12	24563656	24563656	+	5.206E-31	4.4956E-29	0.260682	hyper	sig	chr12_24563656
chr6	391225	391225	+	5.206E-31	4.4956E-29	0.261788	hyper	sig	chr6_391225
chr2	3282554	3282554	+	5.212E-31	4.4997E-29	0.330739	hyper	sig	chr2_3282554
chr17	80502195	80502195	+	5.214E-31	4.5016E-29	0.3141	hyper	sig	chr17_80502195
chr3	1.38E+08	137763387	+	5.219E-31	4.5052E-29	0.365474	hyper	sig	chr3_137763387
chr8	64798740	64798740	+	5.228E-31	4.5127E-29	0.299011	hyper	sig	chr8_64798740
chr5	3142804	3142804	+	5.23E-31	4.5138E-29	-0.32518	hypo	sig	chr5_3142804
chr2	1.19E+08	118842168	+	5.232E-31	4.5148E-29	0.325775	hyper	sig	chr2_118842168
chr15	89470301	89470301	+	5.238E-31	4.5201E-29	0.346084	hyper	sig	chr15_89470301
chr6	1.5E+08	150072399	+	5.243E-31	4.5233E-29	-0.31277	hypo	sig	chr6_150072399
chr4	1.35E+08	134952390	+	5.249E-31	4.5279E-29	-0.40415	hypo	sig	chr4_134952390
chr7	1.43E+08	142797269	+	5.268E-31	4.5442E-29	0.272718	hyper	sig	chr7_142797269
chr1	2274398	2274398	+	5.277E-31	4.5518E-29	0.340424	hyper	sig	chr1_2274398
chr10	1.01E+08	101062251	+	5.283E-31	4.5562E-29	-0.39842	hypo	sig	chr10_101062251
chr1	1357302	1357302	+	5.308E-31	4.5775E-29	0.381251	hyper	sig	chr1_1357302
chr1	2.36E+08	236065447	+	5.311E-31	4.5791E-29	0.272825	hyper	sig	chr1_236065447
chr22	30542411	30542411	+	5.314E-31	4.581E-29	0.261908	hyper	sig	chr22_30542411
chr2	2.27E+08	226798473	+	5.316E-31	4.5829E-29	0.220265	hyper	sig	chr2_226798473
chr3	1.22E+08	122183728	+	5.326E-31	4.5912E-29	0.267325	hyper	sig	chr3_122183728
chr11	22193795	22193795	+	5.344E-31	4.6055E-29	0.255459	hyper	sig	chr11_22193795
chr9	1045628	1045628	+	5.345E-31	4.6059E-29	0.331579	hyper	sig	chr9_1045628
chr5	1107006	1107006	+	5.362E-31	4.6204E-29	-0.40061	hypo	sig	chr5_1107006
chr7	1.46E+08	146117093	+	5.404E-31	4.6561E-29	0.350053	hyper	sig	chr7_146117093
chr20	46011739	46011739	+	5.405E-31	4.6563E-29	0.426801	hyper	sig	chr20_46011739
chr19	57935590	57935590	+	5.411E-31	4.6612E-29	0.294013	hyper	sig	chr19_57935590
chr1	17617876	17617876	+	5.413E-31	4.6624E-29	0.283626	hyper	sig	chr1_17617876

chr3	54135979	54135979	+	5.419E-31	4.6666E-29	-0.37063	hypo	sig	chr3_54135979
chr5	1.52E+08	151718722	+	5.429E-31	4.6748E-29	0.344555	hyper	sig	chr5_151718722
chr12	1.17E+08	117189328	+	5.449E-31	4.6917E-29	0.442708	hyper	sig	chr12_117189328
chr7	35257389	35257389	+	5.45E-31	4.6926E-29	0.324372	hyper	sig	chr7_35257389
chr12	1.13E+08	113137323	+	5.453E-31	4.6943E-29	-0.3682	hypo	sig	chr12_113137323
chr20	36752724	36752724	+	5.464E-31	4.7029E-29	0.304752	hyper	sig	chr20_36752724
chr5	43034113	43034113	+	5.464E-31	4.7029E-29	0.363977	hyper	sig	chr5_43034113
chr6	1.52E+08	151809014	+	5.473E-31	4.7099E-29	0.421917	hyper	sig	chr6_151809014
chr1	3356134	3356134	+	5.51E-31	4.7416E-29	-0.32237	hypo	sig	chr1_3356134
chr8	41785883	41785883	+	5.539E-31	4.7654E-29	-0.36137	hypo	sig	chr8_41785883
chr21	36704970	36704970	+	5.544E-31	4.7693E-29	0.407284	hyper	sig	chr21_36704970
chr6	1.6E+08	160258803	+	5.565E-31	4.7867E-29	0.284429	hyper	sig	chr6_160258803
chr7	1.57E+08	157124840	+	5.579E-31	4.7989E-29	-0.34864	hypo	sig	chr7_157124840
chr6	28635144	28635144	+	5.581E-31	4.8002E-29	0.254137	hyper	sig	chr6_28635144
chr11	269010	269010	+	5.59E-31	4.8069E-29	-0.2568	hypo	sig	chr11_269010
chr12	89350643	89350643	+	5.596E-31	4.8114E-29	-0.3526	hypo	sig	chr12_89350643
chr21	36706476	36706476	+	5.602E-31	4.8166E-29	0.337127	hyper	sig	chr21_36706476
chr2	1.19E+08	119157011	+	5.614E-31	4.8259E-29	0.322081	hyper	sig	chr2_119157011
chr11	1.29E+08	128863091	+	5.619E-31	4.8303E-29	-0.35888	hypo	sig	chr11_128863091
chr20	48376953	48376953	+	5.627E-31	4.8365E-29	-0.37133	hypo	sig	chr20_48376953
chr3	1.22E+08	122184771	+	5.636E-31	4.8437E-29	0.358403	hyper	sig	chr3_122184771
chr17	44558734	44558734	+	5.652E-31	4.8564E-29	0.344325	hyper	sig	chr17_44558734
chr4	8191438	8191438	+	5.686E-31	4.8855E-29	-0.3509	hypo	sig	chr4_8191438
chr11	1.34E+08	134069732	+	5.709E-31	4.9047E-29	0.462876	hyper	sig	chr11_134069732
chr5	1.16E+08	115816689	+	5.715E-31	4.9094E-29	0.330789	hyper	sig	chr5_115816689
chr11	32437085	32437085	+	5.736E-31	4.9269E-29	0.254343	hyper	sig	chr11_32437085
chr1	1.65E+08	165445331	+	5.75E-31	4.9387E-29	0.292487	hyper	sig	chr1_165445331
chr4	212589	212589	+	5.785E-31	4.9676E-29	0.364915	hyper	sig	chr4_212589
chr2	23617667	23617667	+	5.787E-31	4.9693E-29	0.3737	hyper	sig	chr2_23617667
chr11	30019025	30019025	+	5.831E-31	5.0062E-29	-0.24153	hypo	sig	chr11_30019025
chr11	3123525	3123525	+	5.85E-31	5.022E-29	0.349627	hyper	sig	chr11_3123525
chr4	1.51E+08	150583832	+	5.865E-31	5.0347E-29	0.376642	hyper	sig	chr4_150583832
chr7	781659	781659	+	5.873E-31	5.041E-29	0.23815	hyper	sig	chr7_781659
chr4	41748376	41748376	+	5.906E-31	5.0687E-29	0.323006	hyper	sig	chr4_41748376
chr3	1.41E+08	141052530	+	5.908E-31	5.0695E-29	0.38434	hyper	sig	chr3_141052530
chr6	33161240	33161240	+	5.909E-31	5.07E-29	0.342492	hyper	sig	chr6_33161240
chr19	1468433	1468433	+	5.942E-31	5.0982E-29	0.246547	hyper	sig	chr19_1468433
chr3	1.8E+08	180036779	+	5.955E-31	5.1086E-29	0.297635	hyper	sig	chr3_180036779
chr19	33623297	33623297	+	5.961E-31	5.1135E-29	0.270375	hyper	sig	chr19_33623297
chr14	85529971	85529971	+	5.963E-31	5.1138E-29	0.264667	hyper	sig	chr14_85529971
chr2	74499765	74499765	+	5.963E-31	5.1138E-29	0.382937	hyper	sig	chr2_74499765
chr19	36916584	36916584	+	5.966E-31	5.1154E-29	0.307172	hyper	sig	chr19_36916584
chr13	1.12E+08	112067481	+	5.996E-31	5.1412E-29	0.347676	hyper	sig	chr13_112067481
chr2	2.31E+08	230824208	+	5.999E-31	5.1427E-29	-0.3494	hypo	sig	chr2_230824208
chr9	1.37E+08	136964660	+	6.021E-31	5.1616E-29	-0.32258	hypo	sig	chr9_136964660
chr1	2.21E+08	220884409	+	6.035E-31	5.1726E-29	0.387017	hyper	sig	chr1_220884409
chr16	86513938	86513938	+	6.036E-31	5.1729E-29	0.395622	hyper	sig	chr16_86513938
chr4	1.11E+08	110641336	+	6.038E-31	5.1736E-29	0.375686	hyper	sig	chr4_110641336
chr5	64506566	64506566	+	6.038E-31	5.1736E-29	0.260877	hyper	sig	chr5_64506566
chr2	70768027	70768027	+	6.042E-31	5.1769E-29	0.268374	hyper	sig	chr2_70768027
chr10	79176248	79176248	+	6.057E-31	5.1888E-29	0.372498	hyper	sig	chr10_79176248
chr12	54053783	54053783	+	6.072E-31	5.2015E-29	0.318753	hyper	sig	chr12_54053783
chr13	36430720	36430720	+	6.075E-31	5.203E-29	0.318357	hyper	sig	chr13_36430720
chr12	66840	66840	+	6.089E-31	5.2149E-29	0.267922	hyper	sig	chr12_66840
chr6	22294600	22294600	+	6.102E-31	5.2255E-29	0.325603	hyper	sig	chr6_22294600
chr13	1.12E+08	111535079	+	6.111E-31	5.2325E-29	0.273684	hyper	sig	chr13_111535079

chr1	2.33E+08	232805415	+	6.123E-31	5.2424E-29	0.212234	hyper	sig	chr1_232805415
chr10	1.28E+08	128484566	+	6.127E-31	5.2452E-29	-0.2987	hypo	sig	chr10_128484566
chr1	37475772	37475772	+	6.133E-31	5.2497E-29	-0.31804	hypo	sig	chr1_37475772
chr7	27103668	27103668	+	6.136E-31	5.2514E-29	0.346147	hyper	sig	chr7_27103668
chr19	817864	817864	+	6.141E-31	5.2549E-29	-0.34161	hypo	sig	chr19_817864
chr2	55923259	55923259	+	6.157E-31	5.2688E-29	0.307681	hyper	sig	chr2_55923259
chr12	6312640	6312640	+	6.162E-31	5.2722E-29	-0.34408	hypo	sig	chr12_6312640
chr3	62374062	62374062	+	6.19E-31	5.2954E-29	0.307778	hyper	sig	chr3_62374062
chr17	77477855	77477855	+	6.193E-31	5.2972E-29	0.332567	hyper	sig	chr17_77477855
chr9	13278627	13278627	+	6.2E-31	5.3029E-29	0.331738	hyper	sig	chr9_13278627
chr19	9966613	9966613	+	6.212E-31	5.313E-29	0.336994	hyper	sig	chr19_9966613
chr6	34155743	34155743	+	6.24E-31	5.3363E-29	-0.35343	hypo	sig	chr6_34155743
chr5	1.81E+08	181100554	+	6.261E-31	5.3531E-29	0.283282	hyper	sig	chr5_181100554
chr12	57632432	57632432	+	6.271E-31	5.3615E-29	0.285555	hyper	sig	chr12_57632432
chr15	74869832	74869832	+	6.279E-31	5.3675E-29	-0.31501	hypo	sig	chr15_74869832
chr2	1.32E+08	132278621	+	6.279E-31	5.3675E-29	-0.33032	hypo	sig	chr2_132278621
chr20	63537525	63537525	+	6.303E-31	5.387E-29	-0.30048	hypo	sig	chr20_63537525
chr9	77019951	77019951	+	6.344E-31	5.4219E-29	0.367511	hyper	sig	chr9_77019951
chr6	31946446	31946446	+	6.357E-31	5.4323E-29	-0.32829	hypo	sig	chr6_31946446
chr2	58428970	58428970	+	6.361E-31	5.4354E-29	0.420784	hyper	sig	chr2_58428970
chr19	45767064	45767064	+	6.363E-31	5.4359E-29	0.318117	hyper	sig	chr19_45767064
chr16	57797917	57797917	+	6.367E-31	5.4392E-29	-0.36204	hypo	sig	chr16_57797917
chr5	1.35E+08	135039008	+	6.371E-31	5.442E-29	0.46518	hyper	sig	chr5_135039008
chr4	2302148	2302148	+	6.399E-31	5.4654E-29	0.403717	hyper	sig	chr4_2302148
chr13	25372656	25372656	+	6.411E-31	5.4741E-29	0.459735	hyper	sig	chr13_25372656
chr7	1.28E+08	128270961	+	6.411E-31	5.4741E-29	0.359764	hyper	sig	chr7_128270961
chr1	21938681	21938681	+	6.417E-31	5.4787E-29	0.317017	hyper	sig	chr1_21938681
chr3	1.38E+08	137763106	+	6.434E-31	5.4928E-29	0.304564	hyper	sig	chr3_137763106
chr6	1.01E+08	101393282	+	6.452E-31	5.5077E-29	0.369084	hyper	sig	chr6_101393282
chr6	30127709	30127709	+	6.472E-31	5.5237E-29	0.321582	hyper	sig	chr6_30127709
chr2	1.85E+08	184597681	+	6.48E-31	5.5298E-29	0.261219	hyper	sig	chr2_184597681
chr11	44311574	44311574	+	6.484E-31	5.5327E-29	0.329503	hyper	sig	chr11_44311574
chr12	1.14E+08	114403923	+	6.484E-31	5.5327E-29	0.386974	hyper	sig	chr12_114403923
chr12	63822136	63822136	+	6.485E-31	5.5328E-29	0.401467	hyper	sig	chr12_63822136
chr10	1.25E+08	125138365	+	6.505E-31	5.5491E-29	-0.30078	hypo	sig	chr10_125138365
chr9	34457440	34457440	+	6.514E-31	5.5565E-29	0.382715	hyper	sig	chr9_34457440
chr8	1.43E+08	142917958	+	6.523E-31	5.5631E-29	-0.32717	hypo	sig	chr8_142917958
chr15	88769827	88769827	+	6.531E-31	5.5697E-29	0.331647	hyper	sig	chr15_88769827
chr6	3825752	3825752	+	6.538E-31	5.5751E-29	0.323377	hyper	sig	chr6_3825752
chr2	19871451	19871451	+	6.547E-31	5.5818E-29	-0.3081	hypo	sig	chr2_19871451
chr14	36664107	36664107	+	6.562E-31	5.5942E-29	0.284422	hyper	sig	chr14_36664107
chr1	2.48E+08	247937024	+	6.624E-31	5.6462E-29	0.251908	hyper	sig	chr1_247937024
chr11	31800738	31800738	+	6.624E-31	5.6462E-29	0.284446	hyper	sig	chr11_31800738
chr4	3369793	3369793	+	6.643E-31	5.6618E-29	0.312781	hyper	sig	chr4_3369793
chr8	38318026	38318026	+	6.661E-31	5.6765E-29	0.281069	hyper	sig	chr8_38318026
chr19	48837251	48837251	+	6.668E-31	5.682E-29	0.298384	hyper	sig	chr19_48837251
chr1	1.19E+08	118984511	+	6.676E-31	5.6878E-29	0.267736	hyper	sig	chr1_118984511
chr6	1.27E+08	127119704	+	6.692E-31	5.7009E-29	0.264246	hyper	sig	chr6_127119704
chr6	1.69E+08	168574916	+	6.695E-31	5.7027E-29	0.395997	hyper	sig	chr6_168574916
chr13	18838124	18838124	+	6.73E-31	5.7319E-29	-0.39228	hypo	sig	chr13_18838124
chr3	1.92E+08	192408799	+	6.746E-31	5.7451E-29	0.300295	hyper	sig	chr3_192408799
chr5	1.41E+08	141374106	+	6.75E-31	5.7476E-29	0.384171	hyper	sig	chr5_141374106
chr4	1.11E+08	110628860	+	6.751E-31	5.7479E-29	0.315659	hyper	sig	chr4_110628860
chr1	39680988	39680988	+	6.761E-31	5.7558E-29	-0.37748	hypo	sig	chr1_39680988
chr8	64575751	64575751	+	6.765E-31	5.759E-29	0.266235	hyper	sig	chr8_64575751
chr20	25083251	25083251	+	6.786E-31	5.7762E-29	0.4863	hyper	sig	chr20_25083251

chr20	57326980	57326980	+	6.8E-31	5.7873E-29	-0.49052	hypo	sig	chr20_57326980
chr20	48827292	48827292	+	6.831E-31	5.8129E-29	0.26078	hyper	sig	chr20_48827292
chr7	93043694	93043694	+	6.847E-31	5.8267E-29	0.371305	hyper	sig	chr7_93043694
chr7	27102717	27102717	+	6.849E-31	5.827E-29	0.335988	hyper	sig	chr7_27102717
chr12	4911510	4911510	+	6.852E-31	5.8293E-29	0.428959	hyper	sig	chr12_4911510
chr4	1.51E+08	150582436	+	6.86E-31	5.8351E-29	0.406192	hyper	sig	chr4_150582436
chr12	3493400	3493400	+	6.863E-31	5.8375E-29	0.330887	hyper	sig	chr12_3493400
chr16	85812194	85812194	+	6.884E-31	5.8549E-29	0.336999	hyper	sig	chr16_85812194
chr3	44021825	44021825	+	6.885E-31	5.8553E-29	0.334437	hyper	sig	chr3_44021825
chr21	36708893	36708893	+	6.915E-31	5.8796E-29	0.263576	hyper	sig	chr21_36708893
chr17	36946056	36946056	+	6.941E-31	5.9009E-29	0.312252	hyper	sig	chr17_36946056
chr19	57709026	57709026	+	6.941E-31	5.9009E-29	0.332494	hyper	sig	chr19_57709026
chr3	1.47E+08	147392651	+	6.944E-31	5.9022E-29	0.277628	hyper	sig	chr3_147392651
chr18	50298714	50298714	+	6.949E-31	5.9065E-29	0.31736	hyper	sig	chr18_50298714
chr2	10014918	10014918	+	6.959E-31	5.9141E-29	-0.3685	hypo	sig	chr2_10014918
chr12	57727750	57727750	+	7.012E-31	5.9587E-29	0.385603	hyper	sig	chr12_57727750
chr12	6964079	6964079	+	7.048E-31	5.9889E-29	-0.36455	hypo	sig	chr12_6964079
chr8	1.42E+08	141903174	+	7.066E-31	6.0028E-29	-0.37241	hypo	sig	chr8_141903174
chr12	53945517	53945517	+	7.076E-31	6.0114E-29	0.36873	hyper	sig	chr12_53945517
chr11	1.18E+08	117680614	+	7.082E-31	6.0154E-29	-0.25556	hypo	sig	chr11_117680614
chr9	1.3E+08	129669302	+	7.084E-31	6.0165E-29	-0.34986	hypo	sig	chr9_129669302
chr1	9652510	9652510	+	7.097E-31	6.0271E-29	0.276492	hyper	sig	chr1_9652510
chr7	1.55E+08	155467634	+	7.106E-31	6.0342E-29	0.350233	hyper	sig	chr7_155467634
chr1	2.04E+08	203519636	+	7.116E-31	6.0416E-29	-0.33021	hypo	sig	chr1_203519636
chr8	84183780	84183780	+	7.13E-31	6.0531E-29	0.390261	hyper	sig	chr8_84183780
chr7	1.5E+08	150221113	+	7.131E-31	6.0531E-29	0.280039	hyper	sig	chr7_150221113
chr17	2421764	2421764	+	7.135E-31	6.0559E-29	0.296167	hyper	sig	chr17_2421764
chr20	46513653	46513653	+	7.135E-31	6.0559E-29	0.314432	hyper	sig	chr20_46513653
chr2	11777670	11777670	+	7.15E-31	6.0672E-29	-0.35518	hypo	sig	chr2_11777670
chr8	1.33E+08	133191591	+	7.179E-31	6.0914E-29	0.245066	hyper	sig	chr8_133191591
chr11	31805010	31805010	+	7.191E-31	6.1011E-29	0.451799	hyper	sig	chr11_31805010
chr3	48425351	48425351	+	7.196E-31	6.1043E-29	0.343936	hyper	sig	chr3_48425351
chr16	4263371	4263371	+	7.207E-31	6.1137E-29	0.29517	hyper	sig	chr16_4263371
chr3	1.54E+08	154429086	+	7.209E-31	6.1148E-29	0.302865	hyper	sig	chr3_154429086
chr5	76085172	76085172	+	7.235E-31	6.1361E-29	0.24406	hyper	sig	chr5_76085172
chr5	1.41E+08	141476922	+	7.239E-31	6.1387E-29	0.226565	hyper	sig	chr5_141476922
chr8	48923601	48923601	+	7.245E-31	6.1433E-29	-0.36228	hypo	sig	chr8_48923601
chr16	67163310	67163310	+	7.259E-31	6.1544E-29	0.351613	hyper	sig	chr16_67163310
chr19	36791600	36791600	+	7.264E-31	6.1579E-29	0.338389	hyper	sig	chr19_36791600
chr3	49020451	49020451	+	7.266E-31	6.1583E-29	-0.26535	hypo	sig	chr3_49020451
chr5	1.74E+08	174311179	+	7.266E-31	6.1583E-29	-0.33745	hypo	sig	chr5_174311179
chr7	90597049	90597049	+	7.295E-31	6.1822E-29	0.31055	hyper	sig	chr7_90597049
chr2	2.02E+08	202171437	+	7.303E-31	6.1888E-29	0.290942	hyper	sig	chr2_202171437
chr2	2.39E+08	239311335	+	7.334E-31	6.2136E-29	0.32817	hyper	sig	chr2_239311335
chr5	1.76E+08	176366457	+	7.349E-31	6.2255E-29	0.353795	hyper	sig	chr5_176366457
chr8	1.08E+08	108083104	+	7.366E-31	6.2389E-29	0.393841	hyper	sig	chr8_108083104
chr7	27143472	27143472	+	7.378E-31	6.2482E-29	0.346667	hyper	sig	chr7_27143472
chr2	2.33E+08	233060569	+	7.386E-31	6.2546E-29	-0.39401	hypo	sig	chr2_233060569
chr11	1558121	1558121	+	7.404E-31	6.2694E-29	0.35132	hyper	sig	chr11_1558121
chr12	3493156	3493156	+	7.428E-31	6.2894E-29	0.284552	hyper	sig	chr12_3493156
chr12	72272004	72272004	+	7.432E-31	6.292E-29	0.291355	hyper	sig	chr12_72272004
chr8	1.18E+08	118074502	+	7.445E-31	6.3018E-29	0.35325	hyper	sig	chr8_118074502
chr19	310512	310512	+	7.461E-31	6.3147E-29	0.358626	hyper	sig	chr19_310512
chr1	2305091	2305091	+	7.464E-31	6.3167E-29	0.408583	hyper	sig	chr1_2305091
chr6	1.67E+08	167286512	+	7.491E-31	6.3389E-29	-0.32767	hypo	sig	chr6_167286512
chr6	1.67E+08	166702701	+	7.502E-31	6.348E-29	-0.2918	hypo	sig	chr6_166702701

chr3	12938354	12938354	+	7.522E-31	6.3644E-29	0.478912	hyper	sig	chr3_12938354
chr9	1.3E+08	129669317	+	7.577E-31	6.41E-29	-0.34721	hypo	sig	chr9_129669317
chr1	18112311	18112311	+	7.582E-31	6.4129E-29	-0.35094	hypo	sig	chr1_18112311
chr2	1.72E+08	172253699	+	7.627E-31	6.4505E-29	-0.39896	hypo	sig	chr2_172253699
chr6	15505201	15505201	+	7.627E-31	6.4505E-29	0.38993	hyper	sig	chr6_15505201
chr5	3597581	3597581	+	7.637E-31	6.4578E-29	0.342474	hyper	sig	chr5_3597581
chr8	84182542	84182542	+	7.64E-31	6.4599E-29	0.297677	hyper	sig	chr8_84182542
chr19	53467756	53467756	+	7.651E-31	6.4686E-29	0.209362	hyper	sig	chr19_53467756
chr6	1.67E+08	166702672	+	7.668E-31	6.4824E-29	-0.27467	hypo	sig	chr6_166702672
chr2	1.19E+08	118854804	+	7.722E-31	6.5263E-29	0.355992	hyper	sig	chr2_118854804
chr4	6245919	6245919	+	7.721E-31	6.5263E-29	0.330697	hyper	sig	chr4_6245919
chr4	1.9E+08	190018004	+	7.763E-31	6.56E-29	0.27825	hyper	sig	chr4_190018004
chr20	63537529	63537529	+	7.771E-31	6.5667E-29	-0.28313	hypo	sig	chr20_63537529
chr7	37448974	37448974	+	7.792E-31	6.5832E-29	0.27955	hyper	sig	chr7_37448974
chr16	86516573	86516573	+	7.825E-31	6.6105E-29	0.335481	hyper	sig	chr16_86516573
chr22	44172565	44172565	+	7.849E-31	6.6303E-29	-0.35535	hypo	sig	chr22_44172565
chr16	6483780	6483780	+	7.859E-31	6.6377E-29	0.329744	hyper	sig	chr16_6483780
chr10	1.3E+08	129969878	+	7.868E-31	6.6447E-29	0.288539	hyper	sig	chr10_129969878
chr20	56004716	56004716	+	7.878E-31	6.6529E-29	0.407408	hyper	sig	chr20_56004716
chr16	4376383	4376383	+	7.881E-31	6.6549E-29	0.404902	hyper	sig	chr16_4376383
chr19	58356303	58356303	+	7.894E-31	6.665E-29	0.359259	hyper	sig	chr19_58356303
chr15	79559455	79559455	+	7.93E-31	6.6944E-29	-0.40644	hypo	sig	chr15_79559455
chr2	2.27E+08	227167340	+	7.961E-31	6.7196E-29	-0.33093	hypo	sig	chr2_227167340
chr11	1.18E+08	117875737	+	7.974E-31	6.7302E-29	0.241538	hyper	sig	chr11_117875737
chr7	96998322	96998322	+	8.005E-31	6.7555E-29	0.272762	hyper	sig	chr7_96998322
chr2	2.42E+08	242031888	+	8.038E-31	6.7825E-29	-0.27885	hypo	sig	chr2_242031888
chr16	89072885	89072885	+	8.074E-31	6.8125E-29	0.328322	hyper	sig	chr16_89072885
chr3	26623839	26623839	+	8.098E-31	6.8324E-29	0.402231	hyper	sig	chr3_26623839
chr13	27927807	27927807	+	8.103E-31	6.8355E-29	0.472483	hyper	sig	chr13_27927807
chr10	1.32E+08	132204580	+	8.115E-31	6.8449E-29	-0.35037	hypo	sig	chr10_132204580
chr13	57629868	57629868	+	8.118E-31	6.8468E-29	0.353338	hyper	sig	chr13_57629868
chr12	54090527	54090527	+	8.121E-31	6.8487E-29	0.343709	hyper	sig	chr12_54090527
chr1	2.25E+08	225429328	+	8.152E-31	6.8737E-29	-0.33907	hypo	sig	chr1_225429328
chr13	78607478	78607478	+	8.153E-31	6.8744E-29	0.369139	hyper	sig	chr13_78607478
chr5	11384619	11384619	+	8.156E-31	6.8763E-29	0.298765	hyper	sig	chr5_11384619
chr4	1.74E+08	173527571	+	8.168E-31	6.885E-29	0.362309	hyper	sig	chr4_173527571
chr7	97024634	97024634	+	8.178E-31	6.8928E-29	0.293677	hyper	sig	chr7_97024634
chr12	30795040	30795040	+	8.186E-31	6.8994E-29	-0.41782	hypo	sig	chr12_30795040
chr2	86790323	86790323	+	8.203E-31	6.9131E-29	0.328474	hyper	sig	chr2_86790323
chr11	526292	526292	+	8.206E-31	6.9141E-29	-0.38903	hypo	sig	chr11_526292
chr3	49719035	49719035	+	8.214E-31	6.9202E-29	0.33184	hyper	sig	chr3_49719035
chr8	94262625	94262625	+	8.227E-31	6.9306E-29	0.329224	hyper	sig	chr8_94262625
chr6	90615436	90615436	+	8.23E-31	6.9329E-29	-0.43297	hypo	sig	chr6_90615436
chr10	1182499	1182499	+	8.252E-31	6.9504E-29	-0.36538	hypo	sig	chr10_1182499
chr19	1444185	1444185	+	8.292E-31	6.9831E-29	-0.31328	hypo	sig	chr19_1444185
chr7	64495366	64495366	+	8.298E-31	6.988E-29	0.409757	hyper	sig	chr7_64495366
chr19	35225092	35225092	+	8.306E-31	6.994E-29	0.370762	hyper	sig	chr19_35225092
chr20	33193217	33193217	+	8.309E-31	6.9958E-29	-0.39537	hypo	sig	chr20_33193217
chr7	28410379	28410379	+	8.317E-31	7.0016E-29	0.297194	hyper	sig	chr7_28410379
chr14	28774326	28774326	+	8.332E-31	7.0135E-29	0.351353	hyper	sig	chr14_28774326
chr7	1.59E+08	159143977	+	8.353E-31	7.0302E-29	0.355865	hyper	sig	chr7_159143977
chr13	77919785	77919785	+	8.362E-31	7.037E-29	0.301178	hyper	sig	chr13_77919785
chr10	1.01E+08	101228494	+	8.379E-31	7.0512E-29	0.320599	hyper	sig	chr10_101228494
chr7	1.04E+08	103989089	+	8.39E-31	7.0596E-29	0.330464	hyper	sig	chr7_103989089
chr13	99971904	99971904	+	8.392E-31	7.0603E-29	0.451105	hyper	sig	chr13_99971904
chr17	64779144	64779144	+	8.394E-31	7.0614E-29	0.484408	hyper	sig	chr17_64779144

chr20	63494978	63494978	+	8.399E-31	7.0651E-29	-0.42582	hypo	sig	chr20_63494978
chr5	1.78E+08	178188730	+	8.418E-31	7.0787E-29	-0.3535	hypo	sig	chr5_178188730
chr9	95459337	95459337	+	8.418E-31	7.0787E-29	0.343858	hyper	sig	chr9_95459337
chr16	16150095	16150095	+	8.439E-31	7.0954E-29	0.316874	hyper	sig	chr16_16150095
chr1	2.29E+08	228650267	+	8.441E-31	7.0965E-29	0.359792	hyper	sig	chr1_228650267
chr15	70049985	70049985	+	8.476E-31	7.125E-29	0.30636	hyper	sig	chr15_70049985
chr5	76085162	76085162	+	8.483E-31	7.1305E-29	0.296426	hyper	sig	chr5_76085162
chr16	86511139	86511139	+	8.533E-31	7.1717E-29	0.321226	hyper	sig	chr16_86511139
chr20	58514877	58514877	+	8.596E-31	7.2232E-29	0.313321	hyper	sig	chr20_58514877
chr19	33626299	33626299	+	8.603E-31	7.2291E-29	-0.38591	hypo	sig	chr19_33626299
chr2	2.33E+08	233060003	+	8.608E-31	7.2318E-29	-0.35814	hypo	sig	chr2_233060003
chr11	72244357	72244357	+	8.648E-31	7.2654E-29	0.370075	hyper	sig	chr11_72244357
chr10	1.08E+08	107914574	+	8.654E-31	7.2695E-29	0.278475	hyper	sig	chr10_107914574
chr5	79690354	79690354	+	8.67E-31	7.2818E-29	0.431569	hyper	sig	chr5_79690354
chr13	1.12E+08	112073923	+	8.672E-31	7.2833E-29	0.342933	hyper	sig	chr13_112073923
chr19	1005199	1005199	+	8.674E-31	7.284E-29	-0.30989	hypo	sig	chr19_1005199
chr19	57614711	57614711	+	8.695E-31	7.3008E-29	0.348023	hyper	sig	chr19_57614711
chr10	1.01E+08	101227742	+	8.71E-31	7.3124E-29	0.34352	hyper	sig	chr10_101227742
chr5	1.79E+08	178941380	+	8.722E-31	7.3216E-29	0.426984	hyper	sig	chr5_178941380
chr19	46412523	46412523	+	8.733E-31	7.3305E-29	0.358716	hyper	sig	chr19_46412523
chr11	32437151	32437151	+	8.746E-31	7.3402E-29	0.350229	hyper	sig	chr11_32437151
chr18	6929734	6929734	+	8.782E-31	7.3696E-29	-0.41999	hypo	sig	chr18_6929734
chr5	33936145	33936145	+	8.807E-31	7.3904E-29	0.258732	hyper	sig	chr5_33936145
chr2	1.92E+08	192196085	+	8.815E-31	7.3964E-29	0.284924	hyper	sig	chr2_192196085
chr10	22345270	22345270	+	8.852E-31	7.4261E-29	0.312976	hyper	sig	chr10_22345270
chr1	92481195	92481195	+	8.855E-31	7.4286E-29	0.309201	hyper	sig	chr1_92481195
chr1	90724664	90724664	+	8.864E-31	7.4349E-29	0.313443	hyper	sig	chr1_90724664
chr4	95548424	95548424	+	8.867E-31	7.437E-29	0.25506	hyper	sig	chr4_95548424
chr5	1.48E+08	147645412	+	8.88E-31	7.4468E-29	-0.3093	hypo	sig	chr5_147645412
chr7	1.42E+08	141550624	+	8.887E-31	7.4516E-29	0.338989	hyper	sig	chr7_141550624
chr7	1.01E+08	100865705	+	8.915E-31	7.4745E-29	-0.461	hypo	sig	chr7_100865705
chr10	25933996	25933996	+	8.927E-31	7.4841E-29	0.311462	hyper	sig	chr10_25933996
chr12	6946520	6946520	+	8.951E-31	7.5034E-29	-0.25086	hypo	sig	chr12_6946520
chr14	1.04E+08	103523458	+	8.97E-31	7.5181E-29	0.34905	hyper	sig	chr14_103523458
chr12	72272002	72272002	+	9.052E-31	7.586E-29	0.297232	hyper	sig	chr12_72272002
chr10	1.01E+08	101134293	+	9.057E-31	7.5902E-29	0.326233	hyper	sig	chr10_101134293
chr5	88672830	88672830	+	9.066E-31	7.5966E-29	0.29946	hyper	sig	chr5_88672830
chr13	57629880	57629880	+	9.071E-31	7.6002E-29	0.355449	hyper	sig	chr13_57629880
chr17	80067791	80067791	+	9.094E-31	7.6187E-29	-0.35295	hypo	sig	chr17_80067791
chr12	40693639	40693639	+	9.11E-31	7.6315E-29	0.330094	hyper	sig	chr12_40693639
chr3	62374045	62374045	+	9.12E-31	7.6384E-29	0.315212	hyper	sig	chr3_62374045
chr7	93043638	93043638	+	9.145E-31	7.6585E-29	0.353789	hyper	sig	chr7_93043638
chr1	1.62E+08	161621698	+	9.149E-31	7.6618E-29	0.274712	hyper	sig	chr1_161621698
chr12	1.33E+08	132904995	+	9.181E-31	7.6864E-29	0.358416	hyper	sig	chr12_132904995
chr19	57935062	57935062	+	9.18E-31	7.6864E-29	0.389362	hyper	sig	chr19_57935062
chr17	81978713	81978713	+	9.189E-31	7.6927E-29	-0.40427	hypo	sig	chr17_81978713
chr6	55580023	55580023	+	9.205E-31	7.7047E-29	-0.38309	hypo	sig	chr6_55580023
chr8	52414080	52414080	+	9.238E-31	7.7319E-29	0.408953	hyper	sig	chr8_52414080
chr5	1.41E+08	141365428	+	9.261E-31	7.7508E-29	0.314139	hyper	sig	chr5_141365428
chr19	39308386	39308386	+	9.27E-31	7.7564E-29	0.392558	hyper	sig	chr19_39308386
chr3	75641303	75641303	+	9.27E-31	7.7564E-29	0.290348	hyper	sig	chr3_75641303
chr6	1.68E+08	167678257	+	9.276E-31	7.7606E-29	0.362747	hyper	sig	chr6_167678257
chr12	1.14E+08	114405496	+	9.28E-31	7.7631E-29	0.288307	hyper	sig	chr12_114405496
chr11	73310127	73310127	+	9.283E-31	7.7646E-29	0.352437	hyper	sig	chr11_73310127
chr3	1.54E+08	154429090	+	9.333E-31	7.8062E-29	0.291236	hyper	sig	chr3_154429090
chr5	1.62E+08	161548768	+	9.407E-31	7.867E-29	0.269507	hyper	sig	chr5_161548768

chr5	1.73E+08	173234129	+	9.411E-31	7.8694E-29	0.405917	hyper	sig	chr5_173234129
chr8	739956	739956	+	9.459E-31	7.9086E-29	0.30883	hyper	sig	chr8_739956
chr17	76688509	76688509	+	9.466E-31	7.9138E-29	0.399567	hyper	sig	chr17_76688509
chr1	1.47E+08	147078519	+	9.505E-31	7.9457E-29	0.428255	hyper	sig	chr1_147078519
chr18	10589153	10589153	+	9.51E-31	7.9481E-29	-0.37995	hypo	sig	chr18_10589153
chr2	1E+08	100321122	+	9.51E-31	7.9481E-29	0.354125	hyper	sig	chr2_100321122
chr13	24160041	24160041	+	9.53E-31	7.9643E-29	-0.35526	hypo	sig	chr13_24160041
chr11	26994325	26994325	+	9.532E-31	7.965E-29	0.388162	hyper	sig	chr11_26994325
chr7	82442833	82442833	+	9.559E-31	7.9865E-29	0.272006	hyper	sig	chr7_82442833
chr7	1.29E+08	129125096	+	9.564E-31	7.9898E-29	-0.27374	hypo	sig	chr7_129125096
chr13	1.13E+08	113420469	+	9.571E-31	7.9946E-29	-0.36995	hypo	sig	chr13_113420469
chr17	80446333	80446333	+	9.572E-31	7.9946E-29	-0.3913	hypo	sig	chr17_80446333
chr17	65228885	65228885	+	9.615E-31	8.0297E-29	-0.30172	hypo	sig	chr17_65228885
chr8	52941020	52941020	+	9.634E-31	8.0449E-29	0.304853	hyper	sig	chr8_52941020
chr15	96776681	96776681	+	9.641E-31	8.0503E-29	-0.31545	hypo	sig	chr15_96776681
chr5	1.41E+08	141351870	+	9.649E-31	8.0563E-29	0.373784	hyper	sig	chr5_141351870
chr2	63055817	63055817	+	9.679E-31	8.0798E-29	0.305983	hyper	sig	chr2_63055817
chr16	15848563	15848563	+	9.693E-31	8.0914E-29	0.448315	hyper	sig	chr16_15848563
chr10	1.24E+08	123892204	+	9.695E-31	8.0921E-29	0.236853	hyper	sig	chr10_123892204
chr7	27103799	27103799	+	9.724E-31	8.1152E-29	0.337248	hyper	sig	chr7_27103799
chr11	65854224	65854224	+	9.731E-31	8.1203E-29	-0.30492	hypo	sig	chr11_65854224
chr1	2.33E+08	232805345	+	9.75E-31	8.1356E-29	0.207191	hyper	sig	chr1_232805345
chr3	1.38E+08	137763164	+	9.78E-31	8.1594E-29	0.208835	hyper	sig	chr3_137763164
chr4	26804651	26804651	+	9.826E-31	8.1974E-29	0.310455	hyper	sig	chr4_26804651
chr3	1.41E+08	141095286	+	9.83E-31	8.1996E-29	0.348717	hyper	sig	chr3_141095286
chr6	34133768	34133768	+	9.846E-31	8.2118E-29	-0.29185	hypo	sig	chr6_34133768
chr13	57629472	57629472	+	9.849E-31	8.2139E-29	0.347186	hyper	sig	chr13_57629472
chr6	35017153	35017153	+	9.882E-31	8.2403E-29	0.327197	hyper	sig	chr6_35017153
chr13	27919290	27919290	+	9.904E-31	8.2577E-29	0.408756	hyper	sig	chr13_27919290
chr2	21044123	21044123	+	9.955E-31	8.2996E-29	-0.35696	hypo	sig	chr2_21044123
chr11	71206308	71206308	+	1.001E-30	8.343E-29	0.322238	hyper	sig	chr11_71206308
chr12	1.33E+08	132768732	+	1.003E-30	8.364E-29	0.347325	hyper	sig	chr12_132768732
chr19	46426878	46426878	+	1.004E-30	8.3688E-29	0.269164	hyper	sig	chr19_46426878
chr2	2.32E+08	232409812	+	1.007E-30	8.3906E-29	0.416137	hyper	sig	chr2_232409812
chr5	1.79E+08	179023681	+	1.008E-30	8.4027E-29	0.211547	hyper	sig	chr5_179023681
chr4	1.47E+08	147480976	+	1.009E-30	8.4071E-29	0.371475	hyper	sig	chr4_147480976
chr16	85845392	85845392	+	1.011E-30	8.4189E-29	0.388307	hyper	sig	chr16_85845392
chr10	22345297	22345297	+	1.011E-30	8.4222E-29	0.331654	hyper	sig	chr10_22345297
chr3	198462	198462	+	1.012E-30	8.4268E-29	0.345785	hyper	sig	chr3_198462
chr9	96087427	96087427	+	1.015E-30	8.4575E-29	-0.34691	hypo	sig	chr9_96087427
chr14	26598484	26598484	+	1.018E-30	8.478E-29	0.328413	hyper	sig	chr14_26598484
chr11	2140664	2140664	+	1.019E-30	8.4821E-29	0.326023	hyper	sig	chr11_2140664
chr6	22294459	22294459	+	1.019E-30	8.4841E-29	0.350724	hyper	sig	chr6_22294459
chr19	53521127	53521127	+	1.02E-30	8.4915E-29	0.219081	hyper	sig	chr19_53521127
chr11	1.19E+08	118531631	+	1.024E-30	8.5262E-29	0.340994	hyper	sig	chr11_118531631
chr10	1.33E+08	132545031	+	1.028E-30	8.5576E-29	0.336531	hyper	sig	chr10_132545031
chr19	53520648	53520648	+	1.028E-30	8.5576E-29	0.247217	hyper	sig	chr19_53520648
chr19	57584056	57584056	+	1.036E-30	8.6193E-29	0.381368	hyper	sig	chr19_57584056
chr5	5139740	5139740	+	1.037E-30	8.6288E-29	0.308388	hyper	sig	chr5_5139740
chr13	77918943	77918943	+	1.038E-30	8.6384E-29	0.304213	hyper	sig	chr13_77918943
chr1	1.1E+08	110069852	+	1.04E-30	8.6494E-29	0.348903	hyper	sig	chr1_110069852
chr22	19150731	19150731	+	1.04E-30	8.6535E-29	0.427385	hyper	sig	chr22_19150731
chr16	2127141	2127141	+	1.043E-30	8.6766E-29	0.2751	hyper	sig	chr16_2127141
chr7	1.43E+08	142864197	+	1.043E-30	8.6766E-29	-0.36359	hypo	sig	chr7_142864197
chr1	19338727	19338727	+	1.045E-30	8.6908E-29	0.236629	hyper	sig	chr1_19338727
chr17	38841257	38841257	+	1.048E-30	8.7129E-29	0.36836	hyper	sig	chr17_38841257

chr19	2607852	2607852	+	1.049E-30	8.717E-29	-0.30863	hypo	sig	chr19_2607852
chr17	79711942	79711942	+	1.051E-30	8.7322E-29	-0.41257	hypo	sig	chr17_79711942
chr6	1.7E+08	170096681	+	1.052E-30	8.7457E-29	0.371221	hyper	sig	chr6_170096681
chr3	1.58E+08	158102808	+	1.053E-30	8.75E-29	0.344252	hyper	sig	chr3_158102808
chr8	64379816	64379816	+	1.055E-30	8.763E-29	0.336954	hyper	sig	chr8_64379816
chr17	48552329	48552329	+	1.056E-30	8.7728E-29	0.376651	hyper	sig	chr17_48552329
chr7	1.39E+08	139336565	+	1.057E-30	8.7833E-29	-0.2999	hypo	sig	chr7_139336565
chr5	1.77E+08	177495949	+	1.058E-30	8.7924E-29	0.286106	hyper	sig	chr5_177495949
chr1	1.81E+08	180913519	+	1.063E-30	8.8291E-29	0.328289	hyper	sig	chr1_180913519
chr8	1.44E+08	144046786	+	1.065E-30	8.8468E-29	-0.42722	hypo	sig	chr8_144046786
chr2	1.11E+08	111366541	+	1.066E-30	8.8563E-29	0.40176	hyper	sig	chr2_111366541
chr10	1.22E+08	121595999	+	1.069E-30	8.8739E-29	0.370707	hyper	sig	chr10_121595999
chr9	62838098	62838098	+	1.07E-30	8.8851E-29	0.214502	hyper	sig	chr9_62838098
chr6	32061671	32061671	+	1.072E-30	8.9005E-29	-0.38548	hypo	sig	chr6_32061671
chr11	1.19E+08	118531645	+	1.08E-30	8.9673E-29	0.382892	hyper	sig	chr11_118531645
chr3	1.96E+08	196180187	+	1.083E-30	8.9888E-29	-0.32451	hypo	sig	chr3_196180187
chr2	1743074	1743074	+	1.084E-30	8.9981E-29	0.314163	hyper	sig	chr2_1743074
chr6	84767203	84767203	+	1.085E-30	9.0004E-29	0.365931	hyper	sig	chr6_84767203
chr2	1.11E+08	111366803	+	1.085E-30	9.0071E-29	0.307373	hyper	sig	chr2_111366803
chr19	452803	452803	+	1.089E-30	9.033E-29	-0.38473	hypo	sig	chr19_452803
chr2	66576140	66576140	+	1.091E-30	9.0519E-29	0.322138	hyper	sig	chr2_66576140
chr8	1.44E+08	144047103	+	1.093E-30	9.0669E-29	-0.35683	hypo	sig	chr8_144047103
chr19	15511897	15511897	+	1.095E-30	9.0805E-29	-0.44896	hypo	sig	chr19_15511897
chr21	43924604	43924604	+	1.096E-30	9.0858E-29	-0.34737	hypo	sig	chr21_43924604
chr13	1.08E+08	107868640	+	1.099E-30	9.1102E-29	0.378431	hyper	sig	chr13_107868640
chr2	2.33E+08	233060147	+	1.099E-30	9.1102E-29	-0.38346	hypo	sig	chr2_233060147
chr8	42052906	42052906	+	1.1E-30	9.1201E-29	-0.43241	hypo	sig	chr8_42052906
chr14	24311363	24311363	+	1.101E-30	9.1234E-29	0.285607	hyper	sig	chr14_24311363
chr20	37518873	37518873	+	1.101E-30	9.1234E-29	0.292438	hyper	sig	chr20_37518873
chr7	1.01E+08	100865737	+	1.105E-30	9.1562E-29	-0.42325	hypo	sig	chr7_100865737
chr11	10694048	10694048	+	1.106E-30	9.1674E-29	0.368784	hyper	sig	chr11_10694048
chr8	88328244	88328244	+	1.106E-30	9.1688E-29	0.306919	hyper	sig	chr8_88328244
chr6	33288445	33288445	+	1.107E-30	9.1725E-29	-0.243	hypo	sig	chr6_33288445
chr19	44757727	44757727	+	1.109E-30	9.1835E-29	0.356695	hyper	sig	chr19_44757727
chr5	1.41E+08	141330902	+	1.109E-30	9.1835E-29	0.322263	hyper	sig	chr5_141330902
chr2	38077590	38077590	+	1.11E-30	9.1908E-29	-0.24097	hypo	sig	chr2_38077590
chr16	81693113	81693113	+	1.11E-30	9.1935E-29	0.306651	hyper	sig	chr16_81693113
chr17	5499834	5499834	+	1.121E-30	9.2816E-29	0.342538	hyper	sig	chr17_5499834
chr1	2.29E+08	229407807	+	1.122E-30	9.2903E-29	0.309985	hyper	sig	chr1_229407807
chr12	1.24E+08	124388789	+	1.123E-30	9.3008E-29	0.364741	hyper	sig	chr12_124388789
chr14	62117882	62117882	+	1.125E-30	9.311E-29	0.27819	hyper	sig	chr14_62117882
chr16	1149925	1149925	+	1.125E-30	9.316E-29	0.317273	hyper	sig	chr16_1149925
chr16	82627122	82627122	+	1.125E-30	9.316E-29	0.215903	hyper	sig	chr16_82627122
chr6	1.68E+08	168180854	+	1.129E-30	9.3436E-29	-0.40588	hypo	sig	chr6_168180854
chr17	42185375	42185375	+	1.13E-30	9.3477E-29	-0.39848	hypo	sig	chr17_42185375
chr7	5533183	5533183	+	1.13E-30	9.3477E-29	-0.3124	hypo	sig	chr7_5533183
chr1	44638295	44638295	+	1.132E-30	9.3663E-29	0.275389	hyper	sig	chr1_44638295
chr3	62370605	62370605	+	1.139E-30	9.4212E-29	0.345211	hyper	sig	chr3_62370605
chr15	93041733	93041733	+	1.14E-30	9.4343E-29	-0.32615	hypo	sig	chr15_93041733
chr8	1.18E+08	118074346	+	1.141E-30	9.4418E-29	0.403815	hyper	sig	chr8_118074346
chr1	1.19E+08	119000505	+	1.142E-30	9.443E-29	0.340591	hyper	sig	chr1_119000505
chr1	75131261	75131261	+	1.159E-30	9.5839E-29	0.325513	hyper	sig	chr1_75131261
chr16	1436506	1436506	+	1.16E-30	9.5886E-29	-0.33585	hypo	sig	chr16_1436506
chr8	97277932	97277932	+	1.16E-30	9.5886E-29	0.308948	hyper	sig	chr8_97277932
chr7	37449051	37449051	+	1.172E-30	9.6917E-29	0.274456	hyper	sig	chr7_37449051
chr7	37448987	37448987	+	1.176E-30	9.7241E-29	0.258736	hyper	sig	chr7_37448987

chr3	1.58E+08	158095574	+	1.177E-30	9.7278E-29	0.331881	hyper	sig	chr3_158095574
chr6	1.52E+08	151807400	+	1.179E-30	9.7409E-29	0.324274	hyper	sig	chr6_151807400
chr20	45316753	45316753	+	1.186E-30	9.797E-29	0.40422	hyper	sig	chr20_45316753
chr7	1.46E+08	146116836	+	1.186E-30	9.8034E-29	0.279289	hyper	sig	chr7_146116836
chr3	1.5E+08	149657040	+	1.194E-30	9.8636E-29	0.333692	hyper	sig	chr3_149657040
chr3	1.64E+08	164004542	+	1.198E-30	9.8977E-29	-0.34935	hypo	sig	chr3_164004542
chr6	1.52E+08	151809053	+	1.198E-30	9.8977E-29	0.346972	hyper	sig	chr6_151809053
chr10	1.18E+08	117536329	+	1.198E-30	9.8984E-29	0.270303	hyper	sig	chr10_117536329
chr7	35148199	35148199	+	1.201E-30	9.9183E-29	-0.31889	hypo	sig	chr7_35148199
chr17	40093075	40093075	+	1.203E-30	9.9376E-29	0.305909	hyper	sig	chr17_40093075
chr1	1.48E+08	148309747	+	1.205E-30	9.9461E-29	0.283567	hyper	sig	chr1_148309747
chr12	1.14E+08	114440763	+	1.205E-30	9.9461E-29	0.348816	hyper	sig	chr12_114440763
chr3	13637609	13637609	+	1.209E-30	9.977E-29	-0.33894	hypo	sig	chr3_13637609
chr17	77408504	77408504	+	1.211E-30	9.9988E-29	0.454719	hyper	sig	chr17_77408504
chr2	1.28E+08	127682469	+	1.211E-30	9.9988E-29	0.311108	hyper	sig	chr2_127682469
chr11	94909798	94909798	+	1.226E-30	1.0114E-28	-0.37213	hypo	sig	chr11_94909798
chr13	1.11E+08	110628790	+	1.226E-30	1.0121E-28	0.270547	hyper	sig	chr13_110628790
chr5	959047	959047	+	1.227E-30	1.0126E-28	-0.3545	hypo	sig	chr5_959047
chr20	63775075	63775075	+	1.229E-30	1.0143E-28	0.320924	hyper	sig	chr20_63775075
chr7	35254767	35254767	+	1.233E-30	1.0173E-28	0.484559	hyper	sig	chr7_35254767
chr11	45355441	45355441	+	1.234E-30	1.0179E-28	0.26083	hyper	sig	chr11_45355441
chr4	3649744	3649744	+	1.235E-30	1.0184E-28	-0.36844	hypo	sig	chr4_3649744
chr13	64076785	64076785	+	1.236E-30	1.0194E-28	-0.46085	hypo	sig	chr13_64076785
chr3	62378357	62378357	+	1.24E-30	1.0222E-28	0.268169	hyper	sig	chr3_62378357
chr16	3189268	3189268	+	1.246E-30	1.0272E-28	0.3179	hyper	sig	chr16_3189268
chr6	41028426	41028426	+	1.251E-30	1.0316E-28	0.372834	hyper	sig	chr6_41028426
chr5	88690121	88690121	+	1.251E-30	1.0316E-28	0.249239	hyper	sig	chr5_88690121
chr5	1.56E+08	155729561	+	1.251E-30	1.0316E-28	0.3438	hyper	sig	chr5_155729561
chr13	54829733	54829733	+	1.252E-30	1.0321E-28	-0.36739	hypo	sig	chr13_54829733
chr16	66579202	66579202	+	1.26E-30	1.0388E-28	0.266524	hyper	sig	chr16_66579202
chr10	47349509	47349509	+	1.267E-30	1.044E-28	-0.32957	hypo	sig	chr10_47349509
chr17	34156551	34156551	+	1.269E-30	1.0457E-28	0.350027	hyper	sig	chr17_34156551
chr4	1.85E+08	185016340	+	1.269E-30	1.0457E-28	0.269101	hyper	sig	chr4_185016340
chr8	1.09E+08	109087561	+	1.273E-30	1.0488E-28	-0.31565	hypo	sig	chr8_109087561
chr7	8436466	8436466	+	1.276E-30	1.0513E-28	0.355135	hyper	sig	chr7_8436466
chr2	1.32E+08	131528863	+	1.279E-30	1.0532E-28	0.379915	hyper	sig	chr2_131528863
chr16	86513993	86513993	+	1.279E-30	1.0536E-28	0.463853	hyper	sig	chr16_86513993
chr7	37449057	37449057	+	1.282E-30	1.0554E-28	0.279821	hyper	sig	chr7_37449057
chr19	15233538	15233538	+	1.284E-30	1.057E-28	0.332092	hyper	sig	chr19_15233538
chr9	1.37E+08	137030943	+	1.285E-30	1.0578E-28	-0.34737	hypo	sig	chr9_137030943
chr19	57320974	57320974	+	1.285E-30	1.0582E-28	0.220799	hyper	sig	chr19_57320974
chr5	1.81E+08	181100425	+	1.289E-30	1.0606E-28	0.306209	hyper	sig	chr5_181100425
chr6	89118376	89118376	+	1.289E-30	1.0607E-28	0.360703	hyper	sig	chr6_89118376
chr6	83853379	83853379	+	1.291E-30	1.0621E-28	0.259338	hyper	sig	chr6_83853379
chr5	1.16E+08	115816739	+	1.292E-30	1.0633E-28	0.339976	hyper	sig	chr5_115816739
chr9	1045624	1045624	+	1.293E-30	1.0641E-28	0.313658	hyper	sig	chr9_1045624
chr6	29828589	29828589	+	1.3E-30	1.0696E-28	0.308809	hyper	sig	chr6_29828589
chr4	1.09E+08	109302158	+	1.303E-30	1.0716E-28	0.288776	hyper	sig	chr4_109302158
chr13	27794984	27794984	+	1.304E-30	1.0725E-28	0.40481	hyper	sig	chr13_27794984
chr9	1.3E+08	129620561	+	1.312E-30	1.0794E-28	0.350838	hyper	sig	chr9_129620561
chr2	2.37E+08	237465765	+	1.313E-30	1.0799E-28	-0.34943	hypo	sig	chr2_237465765
chr3	62378395	62378395	+	1.313E-30	1.0799E-28	0.295353	hyper	sig	chr3_62378395
chr1	1.62E+08	161621687	+	1.316E-30	1.082E-28	0.266641	hyper	sig	chr1_161621687
chr2	63056739	63056739	+	1.32E-30	1.0853E-28	0.381779	hyper	sig	chr2_63056739
chr7	27103001	27103001	+	1.32E-30	1.0853E-28	0.453351	hyper	sig	chr7_27103001
chr19	33623379	33623379	+	1.323E-30	1.0873E-28	0.308913	hyper	sig	chr19_33623379

chr10	1.01E+08	101237606	+	1.325E-30	1.0891E-28	0.38587	hyper	sig	chr10_101237606
chr12	49974293	49974293	+	1.325E-30	1.0891E-28	0.404002	hyper	sig	chr12_49974293
chr2	1.19E+08	118854760	+	1.325E-30	1.0891E-28	0.293167	hyper	sig	chr2_118854760
chr7	93043636	93043636	+	1.327E-30	1.0901E-28	0.356291	hyper	sig	chr7_93043636
chr2	2.24E+08	224441226	+	1.328E-30	1.0913E-28	-0.44452	hypo	sig	chr2_224441226
chr20	5302240	5302240	+	1.332E-30	1.0939E-28	-0.34272	hypo	sig	chr20_5302240
chr17	44967283	44967283	+	1.333E-30	1.0951E-28	0.347939	hyper	sig	chr17_44967283
chr2	44801700	44801700	+	1.334E-30	1.0952E-28	0.313062	hyper	sig	chr2_44801700
chr5	1.41E+08	141485048	+	1.335E-30	1.0961E-28	0.342674	hyper	sig	chr5_141485048
chr5	6586992	6586992	+	1.335E-30	1.0964E-28	-0.43171	hypo	sig	chr5_6586992
chr5	1.46E+08	146343244	+	1.339E-30	1.0997E-28	0.316773	hyper	sig	chr5_146343244
chr19	55087493	55087493	+	1.343E-30	1.1025E-28	0.362622	hyper	sig	chr19_55087493
chr17	82032422	82032422	+	1.351E-30	1.1089E-28	0.415645	hyper	sig	chr17_82032422
chr13	1.11E+08	110506476	+	1.353E-30	1.1103E-28	-0.40167	hypo	sig	chr13_110506476
chr16	85415710	85415710	+	1.355E-30	1.1119E-28	0.407758	hyper	sig	chr16_85415710
chr1	1007314	1007314	+	1.355E-30	1.1122E-28	-0.30053	hypo	sig	chr1_1007314
chr10	1.01E+08	101134386	+	1.358E-30	1.1147E-28	0.295376	hyper	sig	chr10_101134386
chr12	95548083	95548083	+	1.361E-30	1.1168E-28	0.288685	hyper	sig	chr12_95548083
chr6	1.27E+08	127119359	+	1.365E-30	1.1197E-28	0.351165	hyper	sig	chr6_127119359
chr10	1.33E+08	132832778	+	1.367E-30	1.1211E-28	0.34579	hyper	sig	chr10_132832778
chr7	2734891	2734891	+	1.371E-30	1.1244E-28	0.328249	hyper	sig	chr7_2734891
chr10	571152	571152	+	1.372E-30	1.125E-28	0.284867	hyper	sig	chr10_571152
chr4	6028798	6028798	+	1.372E-30	1.1253E-28	-0.35865	hypo	sig	chr4_6028798
chr2	1.09E+08	109129805	+	1.385E-30	1.1359E-28	0.314535	hyper	sig	chr2_109129805
chr19	58059026	58059026	+	1.386E-30	1.1364E-28	0.391986	hyper	sig	chr19_58059026
chr17	64779070	64779070	+	1.389E-30	1.1387E-28	0.480521	hyper	sig	chr17_64779070
chr2	2.39E+08	239247516	+	1.391E-30	1.1402E-28	-0.34408	hypo	sig	chr2_239247516
chr6	84767187	84767187	+	1.394E-30	1.1429E-28	0.397203	hyper	sig	chr6_84767187
chr6	29558640	29558640	+	1.396E-30	1.1437E-28	-0.3272	hypo	sig	chr6_29558640
chr6	27545275	27545275	+	1.397E-30	1.1446E-28	0.303163	hyper	sig	chr6_27545275
chr19	49142947	49142947	+	1.404E-30	1.1507E-28	0.210378	hyper	sig	chr19_49142947
chr1	1.98E+08	197913730	+	1.405E-30	1.1513E-28	0.327851	hyper	sig	chr1_197913730
chr21	26967039	26967039	+	1.407E-30	1.1528E-28	0.351612	hyper	sig	chr21_26967039
chr6	32394861	32394861	+	1.407E-30	1.1528E-28	-0.2947	hypo	sig	chr6_32394861
chr17	31696380	31696380	+	1.41E-30	1.1547E-28	0.365644	hyper	sig	chr17_31696380
chr3	1.54E+08	154429118	+	1.411E-30	1.1556E-28	0.299711	hyper	sig	chr3_154429118
chr19	21474834	21474834	+	1.412E-30	1.1563E-28	0.292929	hyper	sig	chr19_21474834
chr6	33194667	33194667	+	1.415E-30	1.1584E-28	0.302965	hyper	sig	chr6_33194667
chr11	31797896	31797896	+	1.415E-30	1.1588E-28	0.311091	hyper	sig	chr11_31797896
chr1	1.19E+08	118989549	+	1.417E-30	1.1601E-28	0.324864	hyper	sig	chr1_118989549
chr14	26598689	26598689	+	1.418E-30	1.1604E-28	0.300351	hyper	sig	chr14_26598689
chr4	386132	386132	+	1.418E-30	1.1608E-28	0.426127	hyper	sig	chr4_386132
chr7	35187022	35187022	+	1.421E-30	1.1627E-28	0.223	hyper	sig	chr7_35187022
chr16	6019981	6019981	+	1.421E-30	1.1631E-28	0.268337	hyper	sig	chr16_6019981
chr7	1123883	1123883	+	1.423E-30	1.1641E-28	0.356942	hyper	sig	chr7_1123883
chr6	30260324	30260324	+	1.424E-30	1.1652E-28	0.300311	hyper	sig	chr6_30260324
chr16	1176076	1176076	+	1.437E-30	1.1754E-28	-0.3896	hypo	sig	chr16_1176076
chr13	83879571	83879571	+	1.439E-30	1.1767E-28	0.31983	hyper	sig	chr13_83879571
chr2	1.28E+08	127700825	+	1.44E-30	1.1774E-28	-0.34196	hypo	sig	chr2_127700825
chr2	1.87E+08	186849262	+	1.441E-30	1.1784E-28	0.292889	hyper	sig	chr2_186849262
chr18	8708656	8708656	+	1.441E-30	1.1786E-28	0.281451	hyper	sig	chr18_8708656
chr17	2796028	2796028	+	1.447E-30	1.1832E-28	-0.24995	hypo	sig	chr17_2796028
chr2	2.41E+08	240921560	+	1.448E-30	1.1841E-28	-0.3648	hypo	sig	chr2_240921560
chr4	2430586	2430586	+	1.458E-30	1.1921E-28	-0.40591	hypo	sig	chr4_2430586
chr16	67163319	67163319	+	1.469E-30	1.2004E-28	0.344976	hyper	sig	chr16_67163319
chr15	93036930	93036930	+	1.471E-30	1.2019E-28	-0.32742	hypo	sig	chr15_93036930

chr3	1.25E+08	125357094	+	1.475E-30	1.2054E-28	0.478897	hyper	sig	chr3_125357094
chr10	1.32E+08	132096448	+	1.476E-30	1.206E-28	-0.26654	hypo	sig	chr10_132096448
chr16	22371407	22371407	+	1.477E-30	1.2068E-28	-0.28547	hypo	sig	chr16_22371407
chr2	2.27E+08	227167299	+	1.478E-30	1.2076E-28	-0.30943	hypo	sig	chr2_227167299
chr13	1.08E+08	108496663	+	1.48E-30	1.2087E-28	0.419319	hyper	sig	chr13_108496663
chr19	33623306	33623306	+	1.483E-30	1.2113E-28	0.275242	hyper	sig	chr19_33623306
chr14	51094788	51094788	+	1.489E-30	1.2165E-28	0.207148	hyper	sig	chr14_51094788
chr15	99925793	99925793	+	1.493E-30	1.2192E-28	0.370671	hyper	sig	chr15_99925793
chr13	1.1E+08	110150613	+	1.495E-30	1.2207E-28	-0.36662	hypo	sig	chr13_110150613
chr13	1.11E+08	110506721	+	1.504E-30	1.2282E-28	-0.41379	hypo	sig	chr13_110506721
chr17	47867069	47867069	+	1.505E-30	1.2286E-28	0.345801	hyper	sig	chr17_47867069
chr7	4179181	4179181	+	1.506E-30	1.2294E-28	-0.34456	hypo	sig	chr7_4179181
chr16	1550366	1550366	+	1.507E-30	1.2297E-28	0.283898	hyper	sig	chr16_1550366
chr8	96159760	96159760	+	1.507E-30	1.2297E-28	0.342147	hyper	sig	chr8_96159760
chr5	33936095	33936095	+	1.51E-30	1.232E-28	0.261918	hyper	sig	chr5_33936095
chr8	70070767	70070767	+	1.511E-30	1.2328E-28	0.373124	hyper	sig	chr8_70070767
chr8	41542804	41542804	+	1.511E-30	1.233E-28	0.38862	hyper	sig	chr8_41542804
chr4	1533977	1533977	+	1.514E-30	1.235E-28	0.351197	hyper	sig	chr4_1533977
chr12	64825698	64825698	+	1.516E-30	1.237E-28	0.321385	hyper	sig	chr12_64825698
chr7	5304141	5304141	+	1.523E-30	1.242E-28	-0.36453	hypo	sig	chr7_5304141
chr12	47085997	47085997	+	1.529E-30	1.2471E-28	-0.31156	hypo	sig	chr12_47085997
chr4	1.07E+08	107035915	+	1.535E-30	1.2521E-28	0.358592	hyper	sig	chr4_107035915
chr17	83014471	83014471	+	1.54E-30	1.2553E-28	-0.32503	hypo	sig	chr17_83014471
chr1	78045749	78045749	+	1.541E-30	1.2561E-28	-0.24654	hypo	sig	chr1_78045749
chr22	30542407	30542407	+	1.562E-30	1.2731E-28	0.247476	hyper	sig	chr22_30542407
chr2	66444599	66444599	+	1.565E-30	1.2753E-28	0.336866	hyper	sig	chr2_66444599
chr8	22231990	22231990	+	1.567E-30	1.2774E-28	0.294187	hyper	sig	chr8_22231990
chr12	1.14E+08	114441171	+	1.568E-30	1.2781E-28	0.322553	hyper	sig	chr12_114441171
chr2	1923116	1923116	+	1.57E-30	1.2793E-28	-0.31345	hypo	sig	chr2_1923116
chr2	74499828	74499828	+	1.572E-30	1.2809E-28	0.279477	hyper	sig	chr2_74499828
chr16	54938901	54938901	+	1.572E-30	1.2811E-28	0.280944	hyper	sig	chr16_54938901
chr2	2.02E+08	202036715	+	1.573E-30	1.2811E-28	0.338947	hyper	sig	chr2_202036715
chr20	63178482	63178482	+	1.573E-30	1.2811E-28	0.324288	hyper	sig	chr20_63178482
chr6	1.53E+08	152634911	+	1.574E-30	1.2817E-28	-0.44448	hypo	sig	chr6_152634911
chr2	2.39E+08	239308892	+	1.577E-30	1.2846E-28	0.346939	hyper	sig	chr2_239308892
chr8	1.41E+08	141164625	+	1.579E-30	1.286E-28	0.39753	hyper	sig	chr8_141164625
chr7	22355598	22355598	+	1.58E-30	1.2861E-28	-0.33094	hypo	sig	chr7_22355598
chr19	37817768	37817768	+	1.581E-30	1.2869E-28	0.326876	hyper	sig	chr19_37817768
chr1	24931096	24931096	+	1.581E-30	1.287E-28	0.418581	hyper	sig	chr1_24931096
chr12	1.33E+08	132908110	+	1.583E-30	1.2885E-28	0.312691	hyper	sig	chr12_132908110
chr2	2.02E+08	202171445	+	1.599E-30	1.3016E-28	0.286857	hyper	sig	chr2_202171445
chr14	1.07E+08	106873245	+	1.602E-30	1.3033E-28	-0.31762	hypo	sig	chr14_106873245
chr3	63278152	63278152	+	1.602E-30	1.3037E-28	0.3634	hyper	sig	chr3_63278152
chr6	1.7E+08	170251124	+	1.606E-30	1.3071E-28	-0.29615	hypo	sig	chr6_170251124
chr8	52414085	52414085	+	1.607E-30	1.3075E-28	0.401728	hyper	sig	chr8_52414085
chr16	89919745	89919745	+	1.609E-30	1.3087E-28	-0.45999	hypo	sig	chr16_89919745
chr3	1.47E+08	147409822	+	1.612E-30	1.3108E-28	0.337546	hyper	sig	chr3_147409822
chr2	2.22E+08	222300162	+	1.612E-30	1.3112E-28	0.335774	hyper	sig	chr2_222300162
chr1	9321265	9321265	+	1.625E-30	1.3219E-28	0.322994	hyper	sig	chr1_9321265
chr15	52794433	52794433	+	1.63E-30	1.3254E-28	0.348136	hyper	sig	chr15_52794433
chr1	2.29E+08	228650261	+	1.631E-30	1.3261E-28	0.340698	hyper	sig	chr1_228650261
chr1	2.29E+08	228650287	+	1.635E-30	1.3296E-28	0.368516	hyper	sig	chr1_228650287
chr19	58440878	58440878	+	1.637E-30	1.3309E-28	0.322266	hyper	sig	chr19_58440878
chr11	8017027	8017027	+	1.643E-30	1.3353E-28	-0.33893	hypo	sig	chr11_8017027
chr3	1.26E+08	125972143	+	1.643E-30	1.3356E-28	0.260249	hyper	sig	chr3_125972143
chr14	20435469	20435469	+	1.647E-30	1.3381E-28	0.421974	hyper	sig	chr14_20435469

chr17	80255083	80255083	+	1.647E-30	1.3381E-28	-0.28041	hypo	sig	chr17_80255083
chr20	56926017	56926017	+	1.647E-30	1.3381E-28	0.317933	hyper	sig	chr20_56926017
chr9	95459693	95459693	+	1.649E-30	1.3396E-28	0.376942	hyper	sig	chr9_95459693
chr21	44920895	44920895	+	1.652E-30	1.3422E-28	-0.29898	hypo	sig	chr21_44920895
chr11	69817744	69817744	+	1.654E-30	1.3437E-28	0.248694	hyper	sig	chr11_69817744
chr13	1.1E+08	110306685	+	1.656E-30	1.3453E-28	0.389615	hyper	sig	chr13_110306685
chr14	41608535	41608535	+	1.671E-30	1.357E-28	0.347476	hyper	sig	chr14_41608535
chr1	1.19E+08	119000465	+	1.674E-30	1.3597E-28	0.330535	hyper	sig	chr1_119000465
chr3	1.38E+08	137761354	+	1.676E-30	1.3607E-28	0.310226	hyper	sig	chr3_137761354
chr7	27106738	27106738	+	1.677E-30	1.3612E-28	0.422394	hyper	sig	chr7_27106738
chr3	1.22E+08	122184763	+	1.679E-30	1.3628E-28	0.357269	hyper	sig	chr3_122184763
chr3	1.87E+08	187139762	+	1.68E-30	1.3633E-28	0.204636	hyper	sig	chr3_187139762
chr1	1.57E+08	156844751	+	1.681E-30	1.3641E-28	0.317482	hyper	sig	chr1_156844751
chr8	1.4E+08	140047330	+	1.681E-30	1.3644E-28	0.267658	hyper	sig	chr8_140047330
chr5	1.78E+08	178165750	+	1.687E-30	1.3691E-28	0.44347	hyper	sig	chr5_178165750
chr6	98825718	98825718	+	1.687E-30	1.3691E-28	0.324139	hyper	sig	chr6_98825718
chr2	886450	886450	+	1.688E-30	1.3691E-28	-0.33652	hypo	sig	chr2_886450
chr19	18650651	18650651	+	1.691E-30	1.3714E-28	0.37069	hyper	sig	chr19_18650651
chr6	1.52E+08	151807496	+	1.692E-30	1.3723E-28	0.283945	hyper	sig	chr6_151807496
chr16	4664213	4664213	+	1.693E-30	1.373E-28	-0.36203	hypo	sig	chr16_4664213
chr19	16283640	16283640	+	1.701E-30	1.3791E-28	0.33503	hyper	sig	chr19_16283640
chr11	31825265	31825265	+	1.704E-30	1.3813E-28	0.365876	hyper	sig	chr11_31825265
chr15	93066318	93066318	+	1.704E-30	1.3813E-28	0.329507	hyper	sig	chr15_93066318
chr6	1.7E+08	170096685	+	1.704E-30	1.3814E-28	0.364678	hyper	sig	chr6_170096685
chr12	6539604	6539604	+	1.708E-30	1.3847E-28	-0.31877	hypo	sig	chr12_6539604
chr3	44022094	44022094	+	1.708E-30	1.3847E-28	0.265358	hyper	sig	chr3_44022094
chr5	1.56E+08	155728868	+	1.711E-30	1.3866E-28	0.303215	hyper	sig	chr5_155728868
chr19	37551296	37551296	+	1.711E-30	1.3867E-28	0.400163	hyper	sig	chr19_37551296
chr19	2607999	2607999	+	1.712E-30	1.3875E-28	-0.41	hypo	sig	chr19_2607999
chr18	48980136	48980136	+	1.714E-30	1.3884E-28	-0.39666	hypo	sig	chr18_48980136
chr22	38314694	38314694	+	1.717E-30	1.3908E-28	0.424047	hyper	sig	chr22_38314694
chr8	53877088	53877088	+	1.726E-30	1.3985E-28	0.356938	hyper	sig	chr8_53877088
chr6	72621412	72621412	+	1.73E-30	1.4017E-28	0.252716	hyper	sig	chr6_72621412
chr8	6805705	6805705	+	1.734E-30	1.4046E-28	-0.36893	hypo	sig	chr8_6805705
chr19	3025388	3025388	+	1.736E-30	1.4056E-28	-0.35329	hypo	sig	chr19_3025388
chr7	561687	561687	+	1.736E-30	1.4056E-28	0.251673	hyper	sig	chr7_561687
chr2	2.39E+08	238586549	+	1.749E-30	1.4164E-28	0.268208	hyper	sig	chr2_238586549
chr19	7515331	7515331	+	1.751E-30	1.4177E-28	0.252765	hyper	sig	chr19_7515331
chr1	85582847	85582847	+	1.755E-30	1.4207E-28	0.247728	hyper	sig	chr1_85582847
chr14	1.03E+08	103102170	+	1.76E-30	1.4243E-28	0.316798	hyper	sig	chr14_103102170
chr8	52566101	52566101	+	1.761E-30	1.425E-28	0.319645	hyper	sig	chr8_52566101
chr2	1633296	1633296	+	1.761E-30	1.4253E-28	-0.41814	hypo	sig	chr2_1633296
chr7	24284324	24284324	+	1.761E-30	1.4253E-28	0.355753	hyper	sig	chr7_24284324
chr7	97025470	97025470	+	1.768E-30	1.4303E-28	0.290062	hyper	sig	chr7_97025470
chr2	2.38E+08	238494362	+	1.77E-30	1.4318E-28	-0.32938	hypo	sig	chr2_238494362
chr1	26863185	26863185	+	1.778E-30	1.4386E-28	-0.3456	hypo	sig	chr1_26863185
chr4	3872255	3872255	+	1.779E-30	1.4387E-28	0.268066	hyper	sig	chr4_3872255
chr8	41645061	41645061	+	1.779E-30	1.4388E-28	-0.35153	hypo	sig	chr8_41645061
chr5	1.8E+08	179529829	+	1.781E-30	1.4405E-28	-0.25926	hypo	sig	chr5_179529829
chr1	1.65E+08	164576897	+	1.784E-30	1.4428E-28	0.45687	hyper	sig	chr1_164576897
chr1	24501606	24501606	+	1.786E-30	1.4436E-28	-0.35705	hypo	sig	chr1_24501606
chr22	36300997	36300997	+	1.787E-30	1.4444E-28	0.341909	hyper	sig	chr22_36300997
chr2	1.28E+08	127700827	+	1.788E-30	1.4458E-28	-0.3261	hypo	sig	chr2_127700827
chr2	2.35E+08	235027801	+	1.791E-30	1.4476E-28	-0.30046	hypo	sig	chr2_235027801
chr8	1.41E+08	140527624	+	1.796E-30	1.4516E-28	0.379375	hyper	sig	chr8_140527624
chr5	1.41E+08	141351781	+	1.798E-30	1.4527E-28	0.328845	hyper	sig	chr5_141351781

chr7	1.49E+08	149415256	+	1.802E-30	1.4559E-28	0.332374	hyper	sig	chr7_149415256
chr7	1.51E+08	151408936	+	1.806E-30	1.4596E-28	-0.32897	hypo	sig	chr7_151408936
chr17	75646620	75646620	+	1.816E-30	1.4667E-28	-0.29884	hypo	sig	chr17_75646620
chr8	1.42E+08	142464464	+	1.816E-30	1.4667E-28	0.423452	hyper	sig	chr8_142464464
chr13	1.01E+08	101416945	+	1.818E-30	1.4687E-28	0.31771	hyper	sig	chr13_101416945
chr6	1.27E+08	127120092	+	1.821E-30	1.4704E-28	0.257087	hyper	sig	chr6_127120092
chr10	70442009	70442009	+	1.821E-30	1.4706E-28	-0.30353	hypo	sig	chr10_70442009
chr12	6362104	6362104	+	1.823E-30	1.4719E-28	-0.3545	hypo	sig	chr12_6362104
chr4	1.74E+08	173527590	+	1.823E-30	1.472E-28	0.333139	hyper	sig	chr4_173527590
chr6	84767212	84767212	+	1.826E-30	1.4738E-28	0.351499	hyper	sig	chr6_84767212
chr16	166703	166703	+	1.829E-30	1.4763E-28	0.294575	hyper	sig	chr16_166703
chr19	1993103	1993103	+	1.84E-30	1.4852E-28	-0.29948	hypo	sig	chr19_1993103
chr9	95459306	95459306	+	1.84E-30	1.4852E-28	0.387399	hyper	sig	chr9_95459306
chr5	64506544	64506544	+	1.841E-30	1.4855E-28	0.287929	hyper	sig	chr5_64506544
chr7	1.21E+08	121328845	+	1.843E-30	1.487E-28	0.353112	hyper	sig	chr7_121328845
chr8	1.43E+08	143155111	+	1.845E-30	1.4887E-28	-0.31771	hypo	sig	chr8_143155111
chr11	78785389	78785389	+	1.851E-30	1.4935E-28	-0.44998	hypo	sig	chr11_78785389
chr5	79690367	79690367	+	1.864E-30	1.5037E-28	0.436994	hyper	sig	chr5_79690367
chr7	1.55E+08	155381509	+	1.875E-30	1.5122E-28	0.262039	hyper	sig	chr7_155381509
chr3	42936370	42936370	+	1.876E-30	1.5127E-28	0.311988	hyper	sig	chr3_42936370
chr15	89408556	89408556	+	1.882E-30	1.5174E-28	0.280546	hyper	sig	chr15_89408556
chr6	3825693	3825693	+	1.889E-30	1.5231E-28	0.331817	hyper	sig	chr6_3825693
chr13	1.13E+08	113495865	+	1.89E-30	1.5241E-28	0.336507	hyper	sig	chr13_113495865
chr15	93071821	93071821	+	1.89E-30	1.5241E-28	0.31049	hyper	sig	chr15_93071821
chr17	48727017	48727017	+	1.894E-30	1.5269E-28	0.32566	hyper	sig	chr17_48727017
chr7	1.55E+08	155373202	+	1.897E-30	1.5291E-28	0.371195	hyper	sig	chr7_155373202
chr3	44022082	44022082	+	1.9E-30	1.5314E-28	0.251672	hyper	sig	chr3_44022082
chr15	63060967	63060967	+	1.908E-30	1.538E-28	0.300481	hyper	sig	chr15_63060967
chr5	55223233	55223233	+	1.913E-30	1.5412E-28	0.380291	hyper	sig	chr5_55223233
chr19	48414883	48414883	+	1.914E-30	1.5424E-28	0.447304	hyper	sig	chr19_48414883
chr13	1.07E+08	106906881	+	1.917E-30	1.5441E-28	-0.38922	hypo	sig	chr13_106906881
chr11	69819675	69819675	+	1.917E-30	1.5442E-28	0.323144	hyper	sig	chr11_69819675
chr3	1.47E+08	147388799	+	1.918E-30	1.5446E-28	0.299611	hyper	sig	chr3_147388799
chr4	2812337	2812337	+	1.926E-30	1.5511E-28	-0.34467	hypo	sig	chr4_2812337
chr17	36946041	36946041	+	1.931E-30	1.5549E-28	0.34151	hyper	sig	chr17_36946041
chr1	20473469	20473469	+	1.932E-30	1.5556E-28	0.264029	hyper	sig	chr1_20473469
chr8	55449341	55449341	+	1.932E-30	1.5559E-28	-0.42119	hypo	sig	chr8_55449341
chr16	15848593	15848593	+	1.934E-30	1.5567E-28	0.403365	hyper	sig	chr16_15848593
chr6	34556989	34556989	+	1.937E-30	1.5595E-28	0.291013	hyper	sig	chr6_34556989
chr3	196451	196451	+	1.938E-30	1.5603E-28	0.372583	hyper	sig	chr3_196451
chr19	3881232	3881232	+	1.943E-30	1.5638E-28	0.33527	hyper	sig	chr19_3881232
chr3	13637761	13637761	+	1.943E-30	1.5639E-28	-0.35139	hypo	sig	chr3_13637761
chr1	1.19E+08	118990150	+	1.946E-30	1.5662E-28	0.323664	hyper	sig	chr1_118990150
chr6	1.34E+08	134178051	+	1.95E-30	1.5689E-28	-0.29418	hypo	sig	chr6_134178051
chr6	42727670	42727670	+	1.952E-30	1.5701E-28	0.407903	hyper	sig	chr6_42727670
chr6	1.61E+08	160679397	+	1.954E-30	1.5717E-28	0.392718	hyper	sig	chr6_160679397
chr3	1.41E+08	141412406	+	1.957E-30	1.5739E-28	0.250861	hyper	sig	chr3_141412406
chr1	10683159	10683159	+	1.959E-30	1.5757E-28	0.356547	hyper	sig	chr1_10683159
chr17	19868470	19868470	+	1.961E-30	1.5769E-28	0.329013	hyper	sig	chr17_19868470
chr4	61201658	61201658	+	1.965E-30	1.5798E-28	0.331332	hyper	sig	chr4_61201658
chr13	77919516	77919516	+	1.968E-30	1.5823E-28	0.274898	hyper	sig	chr13_77919516
chr16	72947665	72947665	+	1.968E-30	1.5825E-28	0.400222	hyper	sig	chr16_72947665
chr7	4767431	4767431	+	1.971E-30	1.5847E-28	0.331187	hyper	sig	chr7_4767431
chr7	1761852	1761852	+	1.972E-30	1.5848E-28	-0.38222	hypo	sig	chr7_1761852
chr13	36297591	36297591	+	1.973E-30	1.5856E-28	0.237825	hyper	sig	chr13_36297591
chr7	56093200	56093200	+	1.973E-30	1.5859E-28	0.28355	hyper	sig	chr7_56093200

chr2	1.19E+08	118859231	+	1.977E-30	1.5884E-28	0.286608	hyper	sig	chr2_118859231
chr11	1924359	1924359	+	1.984E-30	1.5939E-28	-0.39749	hypo	sig	chr11_1924359
chr17	48726842	48726842	+	1.987E-30	1.5963E-28	0.285757	hyper	sig	chr17_48726842
chr14	99792763	99792763	+	1.987E-30	1.5966E-28	0.370345	hyper	sig	chr14_99792763
chr10	1.33E+08	133087704	+	1.993E-30	1.6005E-28	0.306728	hyper	sig	chr10_133087704
chr12	1.28E+08	128365887	+	1.995E-30	1.6025E-28	0.325124	hyper	sig	chr12_128365887
chr6	32836900	32836900	+	1.995E-30	1.6025E-28	-0.33096	hypo	sig	chr6_32836900
chr3	1.85E+08	184583447	+	1.998E-30	1.6044E-28	0.388797	hyper	sig	chr3_184583447
chr12	1.03E+08	102961449	+	1.999E-30	1.6049E-28	0.272383	hyper	sig	chr12_102961449
chr8	1.04E+08	104329110	+	2.005E-30	1.61E-28	-0.3705	hypo	sig	chr8_104329110
chr1	2.28E+08	228464712	+	2.006E-30	1.61E-28	0.294528	hyper	sig	chr1_228464712
chr12	53945513	53945513	+	2.01E-30	1.6135E-28	0.334055	hyper	sig	chr12_53945513
chr8	64379441	64379441	+	2.012E-30	1.6145E-28	0.374729	hyper	sig	chr8_64379441
chr1	66534068	66534068	+	2.016E-30	1.6179E-28	0.256164	hyper	sig	chr1_66534068
chr7	19106600	19106600	+	2.02E-30	1.6212E-28	0.358477	hyper	sig	chr7_19106600
chr10	1478581	1478581	+	2.023E-30	1.6235E-28	-0.35995	hypo	sig	chr10_1478581
chr11	95150887	95150887	+	2.028E-30	1.6268E-28	-0.26336	hypo	sig	chr11_95150887
chr5	1.73E+08	172748701	+	2.031E-30	1.6294E-28	0.358971	hyper	sig	chr5_172748701
chr6	1.6E+08	160090962	+	2.031E-30	1.6294E-28	-0.4009	hypo	sig	chr6_160090962
chr4	8343725	8343725	+	2.035E-30	1.6322E-28	0.349342	hyper	sig	chr4_8343725
chr8	21724440	21724440	+	2.036E-30	1.633E-28	-0.33478	hypo	sig	chr8_21724440
chr7	1742717	1742717	+	2.037E-30	1.6336E-28	-0.43443	hypo	sig	chr7_1742717
chr10	1.01E+08	100519940	+	2.042E-30	1.6371E-28	0.319277	hyper	sig	chr10_100519940
chr19	1077229	1077229	+	2.043E-30	1.638E-28	-0.25688	hypo	sig	chr19_1077229
chr20	46021549	46021549	+	2.046E-30	1.6399E-28	0.269474	hyper	sig	chr20_46021549
chr16	86459350	86459350	+	2.048E-30	1.6417E-28	0.334008	hyper	sig	chr16_86459350
chr1	2.21E+08	220878427	+	2.063E-30	1.6533E-28	0.331843	hyper	sig	chr1_220878427
chr19	19263901	19263901	+	2.064E-30	1.6543E-28	-0.28241	hypo	sig	chr19_19263901
chr5	1.36E+08	136365496	+	2.065E-30	1.6548E-28	0.330446	hyper	sig	chr5_136365496
chr20	56626979	56626979	+	2.071E-30	1.6589E-28	0.404212	hyper	sig	chr20_56626979
chr1	2.35E+08	234772479	+	2.076E-30	1.6628E-28	-0.22719	hypo	sig	chr1_234772479
chr16	85947803	85947803	+	2.078E-30	1.6649E-28	-0.46602	hypo	sig	chr16_85947803
chr6	27260541	27260541	+	2.084E-30	1.6692E-28	0.307359	hyper	sig	chr6_27260541
chr20	63657565	63657565	+	2.084E-30	1.6694E-28	0.352967	hyper	sig	chr20_63657565
chr1	1.56E+08	156076587	+	2.101E-30	1.6827E-28	0.368983	hyper	sig	chr1_156076587
chr19	57614731	57614731	+	2.104E-30	1.6846E-28	0.355224	hyper	sig	chr19_57614731
chr5	14440882	14440882	+	2.106E-30	1.6865E-28	0.366714	hyper	sig	chr5_14440882
chr1	27403556	27403556	+	2.112E-30	1.6911E-28	0.345851	hyper	sig	chr1_27403556
chr8	37891894	37891894	+	2.114E-30	1.6922E-28	-0.36041	hypo	sig	chr8_37891894
chr1	3651381	3651381	+	2.116E-30	1.6939E-28	0.307128	hyper	sig	chr1_3651381
chr10	55630019	55630019	+	2.123E-30	1.6993E-28	0.25876	hyper	sig	chr10_55630019
chr19	55087447	55087447	+	2.124E-30	1.6995E-28	0.352925	hyper	sig	chr19_55087447
chr16	86284135	86284135	+	2.124E-30	1.6999E-28	-0.36331	hypo	sig	chr16_86284135
chr8	96495453	96495453	+	2.127E-30	1.7014E-28	0.246038	hyper	sig	chr8_96495453
chr12	6636402	6636402	+	2.13E-30	1.7037E-28	-0.30059	hypo	sig	chr12_6636402
chr14	1.06E+08	105889893	+	2.13E-30	1.7039E-28	-0.38121	hypo	sig	chr14_105889893
chr7	99392236	99392236	+	2.13E-30	1.7039E-28	-0.32849	hypo	sig	chr7_99392236
chr12	1.3E+08	130105686	+	2.133E-30	1.7059E-28	0.279007	hyper	sig	chr12_130105686
chr2	2.42E+08	241985800	+	2.134E-30	1.7064E-28	-0.43738	hypo	sig	chr2_241985800
chr10	23693639	23693639	+	2.14E-30	1.7115E-28	0.291652	hyper	sig	chr10_23693639
chr7	27249558	27249558	+	2.141E-30	1.7119E-28	0.309732	hyper	sig	chr7_27249558
chr2	1.19E+08	118843051	+	2.147E-30	1.7167E-28	0.283286	hyper	sig	chr2_118843051
chr3	10816710	10816710	+	2.148E-30	1.7167E-28	0.318128	hyper	sig	chr3_10816710
chr2	2.36E+08	235934411	+	2.148E-30	1.7172E-28	0.341639	hyper	sig	chr2_235934411
chr6	27680613	27680613	+	2.157E-30	1.7237E-28	0.306642	hyper	sig	chr6_27680613
chr2	12718444	12718444	+	2.16E-30	1.7259E-28	0.231621	hyper	sig	chr2_12718444

chr11	1.34E+08	133599298	+	2.161E-30	1.7268E-28	-0.36744	hypo	sig	chr11_133599298
chr16	3305272	3305272	+	2.185E-30	1.7454E-28	0.284505	hyper	sig	chr16_3305272
chr6	1.68E+08	168180897	+	2.185E-30	1.7455E-28	-0.38725	hypo	sig	chr6_168180897
chr16	49465206	49465206	+	2.196E-30	1.7543E-28	0.412564	hyper	sig	chr16_49465206
chr2	1.98E+08	197786852	+	2.197E-30	1.7547E-28	0.370809	hyper	sig	chr2_197786852
chr19	39824343	39824343	+	2.199E-30	1.7559E-28	0.200379	hyper	sig	chr19_39824343
chr12	1.33E+08	132888713	+	2.206E-30	1.7619E-28	0.26237	hyper	sig	chr12_132888713
chr2	1.29E+08	128639735	+	2.208E-30	1.7631E-28	-0.3554	hypo	sig	chr2_128639735
chr17	77282038	77282038	+	2.218E-30	1.7708E-28	-0.29496	hypo	sig	chr17_77282038
chr1	12133009	12133009	+	2.222E-30	1.7739E-28	-0.30632	hypo	sig	chr1_12133009
chr17	21452687	21452687	+	2.229E-30	1.779E-28	0.359704	hyper	sig	chr17_21452687
chr5	15928311	15928311	+	2.236E-30	1.7851E-28	-0.36991	hypo	sig	chr5_15928311
chr8	1.41E+08	141388312	+	2.242E-30	1.7897E-28	-0.35803	hypo	sig	chr8_141388312
chr7	42493625	42493625	+	2.245E-30	1.7915E-28	0.278849	hyper	sig	chr7_42493625
chr1	50417241	50417241	+	2.247E-30	1.7931E-28	0.300889	hyper	sig	chr1_50417241
chr22	46685898	46685898	+	2.247E-30	1.7932E-28	-0.35985	hypo	sig	chr22_46685898
chr19	57935056	57935056	+	2.25E-30	1.7949E-28	0.388278	hyper	sig	chr19_57935056
chr17	673324	673324	+	2.252E-30	1.7962E-28	0.294672	hyper	sig	chr17_673324
chr9	77019917	77019917	+	2.256E-30	1.7999E-28	0.382185	hyper	sig	chr9_77019917
chr9	77019933	77019933	+	2.258E-30	1.8006E-28	0.376038	hyper	sig	chr9_77019933
chr3	22371741	22371741	+	2.26E-30	1.8027E-28	-0.36575	hypo	sig	chr3_22371741
chr2	10014935	10014935	+	2.266E-30	1.8068E-28	-0.36669	hypo	sig	chr2_10014935
chr1	1.82E+08	182062466	+	2.27E-30	1.8101E-28	-0.34704	hypo	sig	chr1_182062466
chr11	66559304	66559304	+	2.271E-30	1.8104E-28	0.295775	hyper	sig	chr11_66559304
chr8	96494004	96494004	+	2.276E-30	1.8144E-28	0.22577	hyper	sig	chr8_96494004
chr13	27795410	27795410	+	2.277E-30	1.8153E-28	0.350363	hyper	sig	chr13_27795410
chr16	563377	563377	+	2.282E-30	1.8187E-28	-0.41714	hypo	sig	chr16_563377
chr4	6329435	6329435	+	2.284E-30	1.8199E-28	-0.35182	hypo	sig	chr4_6329435
chr9	841375	841375	+	2.286E-30	1.8214E-28	0.25733	hyper	sig	chr9_841375
chr16	31010992	31010992	+	2.292E-30	1.826E-28	0.2745	hyper	sig	chr16_31010992
chr1	2.21E+08	220884326	+	2.295E-30	1.8279E-28	0.433217	hyper	sig	chr1_220884326
chr15	69835249	69835249	+	2.295E-30	1.8279E-28	0.297623	hyper	sig	chr15_69835249
chr5	1.73E+08	172748725	+	2.295E-30	1.8279E-28	0.399616	hyper	sig	chr5_172748725
chr2	2.33E+08	233060411	+	2.299E-30	1.8312E-28	-0.39451	hypo	sig	chr2_233060411
chr19	19514530	19514530	+	2.302E-30	1.8327E-28	0.36872	hyper	sig	chr19_19514530
chr11	66267281	66267281	+	2.305E-30	1.8355E-28	0.377736	hyper	sig	chr11_66267281
chr8	30353082	30353082	+	2.307E-30	1.837E-28	-0.35802	hypo	sig	chr8_30353082
chr2	5697331	5697331	+	2.314E-30	1.8421E-28	0.344625	hyper	sig	chr2_5697331
chr16	1044666	1044666	+	2.315E-30	1.8429E-28	-0.404	hypo	sig	chr16_1044666
chr7	1.55E+08	155462593	+	2.321E-30	1.8472E-28	0.359489	hyper	sig	chr7_155462593
chr8	64586234	64586234	+	2.335E-30	1.8586E-28	0.381509	hyper	sig	chr8_64586234
chr21	43826419	43826419	+	2.338E-30	1.8604E-28	0.309393	hyper	sig	chr21_43826419
chr13	1.08E+08	107865925	+	2.34E-30	1.8622E-28	0.292431	hyper	sig	chr13_107865925
chr4	1.47E+08	146640639	+	2.345E-30	1.8657E-28	0.345155	hyper	sig	chr4_146640639
chr19	2491257	2491257	+	2.349E-30	1.8682E-28	-0.35814	hypo	sig	chr19_2491257
chr2	2.42E+08	241858884	+	2.35E-30	1.8689E-28	-0.35755	hypo	sig	chr2_241858884
chr5	1.75E+08	174731959	+	2.368E-30	1.8835E-28	0.341717	hyper	sig	chr5_174731959
chr16	89098618	89098618	+	2.371E-30	1.8858E-28	-0.31199	hypo	sig	chr16_89098618
chr15	83206940	83206940	+	2.377E-30	1.8902E-28	0.244593	hyper	sig	chr15_83206940
chr4	95549992	95549992	+	2.38E-30	1.8919E-28	0.24308	hyper	sig	chr4_95549992
chr1	45623304	45623304	+	2.398E-30	1.9058E-28	0.418359	hyper	sig	chr1_45623304
chr21	26967386	26967386	+	2.397E-30	1.9058E-28	0.256761	hyper	sig	chr21_26967386
chr2	1.19E+08	118842162	+	2.4E-30	1.9074E-28	0.296549	hyper	sig	chr2_118842162
chr2	96859068	96859068	+	2.403E-30	1.9101E-28	0.331927	hyper	sig	chr2_96859068
chr10	49608885	49608885	+	2.407E-30	1.9126E-28	0.341957	hyper	sig	chr10_49608885
chr3	1.41E+08	141095213	+	2.41E-30	1.9146E-28	0.338095	hyper	sig	chr3_141095213

chr7	1.55E+08	155299813	+	2.411E-30	1.9154E-28	-0.29791	hypo	sig	chr7_155299813
chr19	58204012	58204012	+	2.423E-30	1.9248E-28	0.394112	hyper	sig	chr19_58204012
chr5	1100429	1100429	+	2.424E-30	1.9253E-28	0.314321	hyper	sig	chr5_1100429
chr3	62319472	62319472	+	2.426E-30	1.9272E-28	0.257716	hyper	sig	chr3_62319472
chr5	73299629	73299629	+	2.433E-30	1.9321E-28	0.230113	hyper	sig	chr5_73299629
chr3	1.7E+08	169822602	+	2.442E-30	1.9393E-28	-0.45864	hypo	sig	chr3_169822602
chr1	20473441	20473441	+	2.447E-30	1.9432E-28	0.289332	hyper	sig	chr1_20473441
chr8	48735250	48735250	+	2.451E-30	1.9456E-28	0.25778	hyper	sig	chr8_48735250
chr7	30136550	30136550	+	2.454E-30	1.9482E-28	0.373461	hyper	sig	chr7_30136550
chr2	1E+08	100322585	+	2.455E-30	1.9482E-28	0.347329	hyper	sig	chr2_100322585
chr8	26051754	26051754	+	2.458E-30	1.9507E-28	0.322184	hyper	sig	chr8_26051754
chr2	2.22E+08	222304114	+	2.463E-30	1.9542E-28	0.324986	hyper	sig	chr2_222304114
chr2	2.38E+08	238225967	+	2.465E-30	1.9556E-28	0.354249	hyper	sig	chr2_238225967
chr8	1.43E+08	142564255	+	2.473E-30	1.9619E-28	-0.32275	hypo	sig	chr8_142564255
chr2	2.38E+08	238260950	+	2.475E-30	1.9638E-28	0.27819	hyper	sig	chr2_238260950
chr9	1.22E+08	122219808	+	2.478E-30	1.9656E-28	0.29424	hyper	sig	chr9_122219808
chr1	1.77E+08	177171141	+	2.481E-30	1.9677E-28	0.245601	hyper	sig	chr1_177171141
chr6	32745153	32745153	+	2.482E-30	1.9686E-28	-0.36054	hypo	sig	chr6_32745153
chr1	1.44E+08	143652874	+	2.483E-30	1.9692E-28	0.394635	hyper	sig	chr1_143652874
chr8	1.08E+08	108083160	+	2.483E-30	1.9692E-28	0.35351	hyper	sig	chr8_108083160
chr19	12721117	12721117	+	2.489E-30	1.9733E-28	0.307825	hyper	sig	chr19_12721117
chr12	3493378	3493378	+	2.497E-30	1.9796E-28	0.324369	hyper	sig	chr12_3493378
chr4	1.85E+08	185019441	+	2.513E-30	1.992E-28	0.290749	hyper	sig	chr4_185019441
chr12	1.14E+08	114408513	+	2.515E-30	1.9939E-28	0.360536	hyper	sig	chr12_114408513
chr6	1E+08	100447583	+	2.519E-30	1.9963E-28	0.356674	hyper	sig	chr6_100447583
chr11	63631057	63631057	+	2.521E-30	1.9982E-28	-0.33319	hypo	sig	chr11_63631057
chr12	1.03E+08	102824815	+	2.524E-30	1.9998E-28	0.320854	hyper	sig	chr12_102824815
chr1	3579153	3579153	+	2.528E-30	2.0033E-28	-0.38347	hypo	sig	chr1_3579153
chr21	42838136	42838136	+	2.529E-30	2.0034E-28	0.34854	hyper	sig	chr21_42838136
chr6	27582910	27582910	+	2.54E-30	2.0125E-28	0.339598	hyper	sig	chr6_27582910
chr7	8444080	8444080	+	2.548E-30	2.0185E-28	0.443556	hyper	sig	chr7_8444080
chr13	24511275	24511275	+	2.55E-30	2.0196E-28	-0.29204	hypo	sig	chr13_24511275
chr17	43843142	43843142	+	2.562E-30	2.0291E-28	-0.35884	hypo	sig	chr17_43843142
chr8	64369126	64369126	+	2.565E-30	2.0312E-28	0.416791	hyper	sig	chr8_64369126
chr3	96815184	96815184	+	2.569E-30	2.0345E-28	0.303514	hyper	sig	chr3_96815184
chr12	2753032	2753032	+	2.57E-30	2.0347E-28	0.358604	hyper	sig	chr12_2753032
chr12	1.29E+08	128976526	+	2.573E-30	2.0372E-28	0.28522	hyper	sig	chr12_128976526
chr1	9321352	9321352	+	2.577E-30	2.0398E-28	0.349139	hyper	sig	chr1_9321352
chr20	62134979	62134979	+	2.582E-30	2.0434E-28	0.351852	hyper	sig	chr20_62134979
chr12	81077899	81077899	+	2.597E-30	2.0555E-28	0.314945	hyper	sig	chr12_81077899
chr5	1876233	1876233	+	2.598E-30	2.0555E-28	0.323617	hyper	sig	chr5_1876233
chr16	29157111	29157111	+	2.6E-30	2.0573E-28	-0.38022	hypo	sig	chr16_29157111
chr12	1.14E+08	114404065	+	2.607E-30	2.0629E-28	0.30178	hyper	sig	chr12_114404065
chr10	7408393	7408393	+	2.612E-30	2.0661E-28	0.29391	hyper	sig	chr10_7408393
chr13	53200989	53200989	+	2.612E-30	2.0661E-28	0.363965	hyper	sig	chr13_53200989
chr13	1.13E+08	112997823	+	2.612E-30	2.0663E-28	-0.36055	hypo	sig	chr13_112997823
chr1	2E+08	200036135	+	2.613E-30	2.0665E-28	0.372487	hyper	sig	chr1_200036135
chr17	45429772	45429772	+	2.624E-30	2.0754E-28	0.383888	hyper	sig	chr17_45429772
chr13	25372700	25372700	+	2.631E-30	2.0803E-28	0.469331	hyper	sig	chr13_25372700
chr6	32065010	32065010	+	2.636E-30	2.0842E-28	-0.30067	hypo	sig	chr6_32065010
chr2	1.87E+08	186849272	+	2.644E-30	2.0901E-28	0.278743	hyper	sig	chr2_186849272
chr17	77408481	77408481	+	2.645E-30	2.0912E-28	0.415562	hyper	sig	chr17_77408481
chr12	72273599	72273599	+	2.65E-30	2.0948E-28	0.351349	hyper	sig	chr12_72273599
chr19	35307040	35307040	+	2.671E-30	2.1109E-28	-0.36604	hypo	sig	chr19_35307040
chr1	1.47E+08	147078342	+	2.672E-30	2.1117E-28	0.418073	hyper	sig	chr1_147078342
chr1	2.26E+08	225939949	+	2.676E-30	2.1143E-28	0.342106	hyper	sig	chr1_225939949

chr1	1.44E+08	143651999	+	2.679E-30	2.1164E-28	0.367091	hyper	sig	chr1_143651999
chr2	2.22E+08	222300112	+	2.684E-30	2.1201E-28	0.279421	hyper	sig	chr2_222300112
chr14	26598486	26598486	+	2.686E-30	2.1219E-28	0.337853	hyper	sig	chr14_26598486
chr13	1.12E+08	112055166	+	2.69E-30	2.1251E-28	0.307398	hyper	sig	chr13_112055166
chr8	48735425	48735425	+	2.694E-30	2.1277E-28	0.325877	hyper	sig	chr8_48735425
chr7	1.34E+08	134459301	+	2.7E-30	2.1326E-28	0.215739	hyper	sig	chr7_134459301
chr14	1.05E+08	104637415	+	2.706E-30	2.1366E-28	-0.40452	hypo	sig	chr14_104637415
chr2	2.17E+08	216694731	+	2.706E-30	2.1366E-28	0.323617	hyper	sig	chr2_216694731
chr7	561620	561620	+	2.717E-30	2.1449E-28	0.372221	hyper	sig	chr7_561620
chr15	93430767	93430767	+	2.717E-30	2.145E-28	-0.31765	hypo	sig	chr15_93430767
chr9	1.37E+08	136748546	+	2.722E-30	2.1489E-28	-0.34193	hypo	sig	chr9_136748546
chr10	69569278	69569278	+	2.724E-30	2.1503E-28	0.441995	hyper	sig	chr10_69569278
chr8	64586491	64586491	+	2.735E-30	2.1581E-28	0.283526	hyper	sig	chr8_64586491
chr3	10142891	10142891	+	2.74E-30	2.1621E-28	-0.34954	hypo	sig	chr3_10142891
chr10	1.01E+08	100520029	+	2.74E-30	2.1623E-28	0.310738	hyper	sig	chr10_100520029
chr7	4767865	4767865	+	2.743E-30	2.1641E-28	0.399639	hyper	sig	chr7_4767865
chr7	5303257	5303257	+	2.747E-30	2.1669E-28	-0.42397	hypo	sig	chr7_5303257
chr8	1.45E+08	144700382	+	2.747E-30	2.1671E-28	0.254263	hyper	sig	chr8_144700382
chr3	1.7E+08	169822275	+	2.752E-30	2.1703E-28	-0.53484	hypo	sig	chr3_169822275
chr11	20163726	20163726	+	2.755E-30	2.1725E-28	0.262003	hyper	sig	chr11_20163726
chr17	62141087	62141087	+	2.757E-30	2.1742E-28	0.392657	hyper	sig	chr17_62141087
chr11	67674596	67674596	+	2.757E-30	2.1742E-28	-0.38778	hypo	sig	chr11_67674596
chr19	57709469	57709469	+	2.761E-30	2.1772E-28	0.293457	hyper	sig	chr19_57709469
chr12	1.3E+08	130474166	+	2.764E-30	2.1792E-28	-0.2813	hypo	sig	chr12_130474166
chr7	2572237	2572237	+	2.768E-30	2.1818E-28	-0.41887	hypo	sig	chr7_2572237
chr16	566212	566212	+	2.776E-30	2.1879E-28	0.397919	hyper	sig	chr16_566212
chr15	61229761	61229761	+	2.788E-30	2.1976E-28	0.268325	hyper	sig	chr15_61229761
chr5	1.41E+08	141123324	+	2.792E-30	2.2006E-28	0.369051	hyper	sig	chr5_141123324
chr11	68413324	68413324	+	2.795E-30	2.2021E-28	0.308934	hyper	sig	chr11_68413324
chr20	63736602	63736602	+	2.795E-30	2.2023E-28	-0.35503	hypo	sig	chr20_63736602
chr10	3287553	3287553	+	2.806E-30	2.2102E-28	-0.36751	hypo	sig	chr10_3287553
chr20	56005140	56005140	+	2.806E-30	2.2104E-28	0.423494	hyper	sig	chr20_56005140
chr3	1.47E+08	147407500	+	2.808E-30	2.2119E-28	0.35803	hyper	sig	chr3_147407500
chr17	77408494	77408494	+	2.809E-30	2.212E-28	0.415277	hyper	sig	chr17_77408494
chr17	42851981	42851981	+	2.815E-30	2.2168E-28	0.356994	hyper	sig	chr17_42851981
chr16	253205	253205	+	2.826E-30	2.2253E-28	-0.48063	hypo	sig	chr16_253205
chr2	1.19E+08	118842172	+	2.828E-30	2.2264E-28	0.305547	hyper	sig	chr2_118842172
chr11	1.23E+08	122981548	+	2.83E-30	2.2278E-28	0.477006	hyper	sig	chr11_122981548
chr2	86036149	86036149	+	2.838E-30	2.2337E-28	0.369572	hyper	sig	chr2_86036149
chr5	1.41E+08	141389430	+	2.845E-30	2.2397E-28	0.331978	hyper	sig	chr5_141389430
chr1	1.57E+08	156647044	+	2.853E-30	2.2451E-28	0.356811	hyper	sig	chr1_156647044
chr8	66963169	66963169	+	2.866E-30	2.2553E-28	0.328875	hyper	sig	chr8_66963169
chr1	2.28E+08	228341239	+	2.889E-30	2.2733E-28	-0.37672	hypo	sig	chr1_228341239
chr6	1.66E+08	166009138	+	2.895E-30	2.2779E-28	0.305222	hyper	sig	chr6_166009138
chr19	56393590	56393590	+	2.898E-30	2.2795E-28	0.245999	hyper	sig	chr19_56393590
chr10	1.01E+08	101134299	+	2.902E-30	2.2827E-28	0.340705	hyper	sig	chr10_101134299
chr11	69001438	69001438	+	2.905E-30	2.2848E-28	0.386593	hyper	sig	chr11_69001438
chr3	62373995	62373995	+	2.914E-30	2.2917E-28	0.308241	hyper	sig	chr3_62373995
chr2	1.19E+08	118849819	+	2.923E-30	2.2985E-28	0.3367	hyper	sig	chr2_118849819
chr2	1.2E+08	120174944	+	2.923E-30	2.2985E-28	0.318082	hyper	sig	chr2_120174944
chr14	36667106	36667106	+	2.934E-30	2.3068E-28	0.34988	hyper	sig	chr14_36667106
chr16	85614764	85614764	+	2.937E-30	2.3086E-28	-0.37604	hypo	sig	chr16_85614764
chr4	87846487	87846487	+	2.939E-30	2.3103E-28	-0.34723	hypo	sig	chr4_87846487
chr6	37705900	37705900	+	2.943E-30	2.3134E-28	0.354363	hyper	sig	chr6_37705900
chr17	45430134	45430134	+	2.954E-30	2.3216E-28	0.432861	hyper	sig	chr17_45430134
chr17	48734165	48734165	+	2.969E-30	2.3332E-28	0.203434	hyper	sig	chr17_48734165

chr2	1.54E+08	153871592	+	2.973E-30	2.3358E-28	0.314872	hyper	sig	chr2_153871592
chr3	68932843	68932843	+	2.974E-30	2.3366E-28	0.326143	hyper	sig	chr3_68932843
chr6	1.1E+08	110357798	+	2.974E-30	2.3366E-28	0.335549	hyper	sig	chr6_110357798
chr10	49115119	49115119	+	2.977E-30	2.3385E-28	0.368558	hyper	sig	chr10_49115119
chr6	27830778	27830778	+	2.977E-30	2.3385E-28	-0.27133	hypo	sig	chr6_27830778
chr11	1.33E+08	133079611	+	2.979E-30	2.3398E-28	-0.37631	hypo	sig	chr11_133079611
chr13	1.08E+08	107865759	+	2.982E-30	2.3417E-28	0.365924	hyper	sig	chr13_107865759
chr1	2.28E+08	228464578	+	2.99E-30	2.3477E-28	0.276838	hyper	sig	chr1_228464578
chr10	22345310	22345310	+	2.992E-30	2.3488E-28	0.33899	hyper	sig	chr10_22345310
chr2	5697351	5697351	+	2.992E-30	2.3488E-28	0.428053	hyper	sig	chr2_5697351
chr1	2.01E+08	201486242	+	2.995E-30	2.3512E-28	0.297175	hyper	sig	chr1_201486242
chr8	1.42E+08	141724064	+	3.008E-30	2.3607E-28	0.422875	hyper	sig	chr8_141724064
chr2	1.82E+08	181684847	+	3.01E-30	2.3624E-28	0.333795	hyper	sig	chr2_181684847
chr7	1.51E+08	151051405	+	3.017E-30	2.3675E-28	0.329393	hyper	sig	chr7_151051405
chr17	45430179	45430179	+	3.019E-30	2.3686E-28	0.4042	hyper	sig	chr17_45430179
chr16	10578125	10578125	+	3.023E-30	2.3718E-28	0.350453	hyper	sig	chr16_10578125
chr21	26967052	26967052	+	3.025E-30	2.3732E-28	0.357696	hyper	sig	chr21_26967052
chr13	1.1E+08	110436990	+	3.027E-30	2.3749E-28	-0.32461	hypo	sig	chr13_110436990
chr16	81645302	81645302	+	3.028E-30	2.3751E-28	0.284715	hyper	sig	chr16_81645302
chr3	21271936	21271936	+	3.034E-30	2.3799E-28	-0.38939	hypo	sig	chr3_21271936
chr4	818628	818628	+	3.037E-30	2.3814E-28	0.405402	hyper	sig	chr4_818628
chr12	1.23E+08	123269825	+	3.048E-30	2.3904E-28	0.483984	hyper	sig	chr12_123269825
chr7	1.37E+08	136868981	+	3.051E-30	2.3923E-28	0.315133	hyper	sig	chr7_136868981
chr10	50024798	50024798	+	3.051E-30	2.3923E-28	0.296728	hyper	sig	chr10_50024798
chr11	65854271	65854271	+	3.052E-30	2.3927E-28	-0.3059	hypo	sig	chr11_65854271
chr14	36663338	36663338	+	3.076E-30	2.4111E-28	0.289071	hyper	sig	chr14_36663338
chr16	4377031	4377031	+	3.076E-30	2.4112E-28	0.385024	hyper	sig	chr16_4377031
chr3	1.5E+08	149657160	+	3.087E-30	2.4193E-28	0.359497	hyper	sig	chr3_149657160
chr16	89949626	89949626	+	3.092E-30	2.4226E-28	0.348586	hyper	sig	chr16_89949626
chr8	55939619	55939619	+	3.105E-30	2.4331E-28	0.342545	hyper	sig	chr8_55939619
chr5	61335264	61335264	+	3.108E-30	2.4349E-28	0.401726	hyper	sig	chr5_61335264
chr1	2.08E+08	207823702	+	3.113E-30	2.4384E-28	0.310519	hyper	sig	chr1_207823702
chr16	3305303	3305303	+	3.122E-30	2.4456E-28	0.280647	hyper	sig	chr16_3305303
chr11	34155620	34155620	+	3.125E-30	2.4473E-28	0.414615	hyper	sig	chr11_34155620
chr12	57091330	57091330	+	3.131E-30	2.452E-28	0.279271	hyper	sig	chr12_57091330
chr20	63123549	63123549	+	3.139E-30	2.4582E-28	-0.31542	hypo	sig	chr20_63123549
chr20	46513211	46513211	+	3.152E-30	2.4677E-28	0.44521	hyper	sig	chr20_46513211
chr11	2205207	2205207	+	3.156E-30	2.4706E-28	-0.36762	hypo	sig	chr11_2205207
chr3	1.33E+08	133379024	+	3.164E-30	2.4772E-28	-0.34052	hypo	sig	chr3_133379024
chr12	1.14E+08	114404215	+	3.17E-30	2.4812E-28	0.306187	hyper	sig	chr12_114404215
chr8	1.18E+08	118074481	+	3.174E-30	2.4845E-28	0.338534	hyper	sig	chr8_118074481
chr10	1.03E+08	102869089	+	3.182E-30	2.4903E-28	0.375983	hyper	sig	chr10_102869089
chr5	1.41E+08	141374148	+	3.185E-30	2.4928E-28	0.425167	hyper	sig	chr5_141374148
chr17	45429829	45429829	+	3.197E-30	2.5014E-28	0.412798	hyper	sig	chr17_45429829
chr17	75784222	75784222	+	3.197E-30	2.5016E-28	-0.28177	hypo	sig	chr17_75784222
chr19	15511890	15511890	+	3.198E-30	2.5022E-28	-0.44786	hypo	sig	chr19_15511890
chr16	86566735	86566735	+	3.204E-30	2.5063E-28	0.28421	hyper	sig	chr16_86566735
chr1	2.29E+08	228650245	+	3.21E-30	2.5105E-28	0.357736	hyper	sig	chr1_228650245
chr16	2836249	2836249	+	3.212E-30	2.5123E-28	-0.30797	hypo	sig	chr16_2836249
chr5	1.41E+08	141427898	+	3.213E-30	2.5126E-28	0.323518	hyper	sig	chr5_141427898
chr6	28775826	28775826	+	3.228E-30	2.5242E-28	0.312325	hyper	sig	chr6_28775826
chr6	29792273	29792273	+	3.232E-30	2.5272E-28	0.292711	hyper	sig	chr6_29792273
chr7	97018576	97018576	+	3.245E-30	2.5373E-28	0.425867	hyper	sig	chr7_97018576
chr11	65557759	65557759	+	3.268E-30	2.5547E-28	0.239896	hyper	sig	chr11_65557759
chr2	2.08E+08	208124658	+	3.273E-30	2.5582E-28	0.341672	hyper	sig	chr2_208124658
chr16	82627109	82627109	+	3.275E-30	2.5594E-28	0.239904	hyper	sig	chr16_82627109

chr3	1.47E+08	147388797	+	3.276E-30	2.5599E-28	0.307384	hyper	sig	chr3_147388797
chr15	26774101	26774101	+	3.282E-30	2.565E-28	0.252543	hyper	sig	chr15_26774101
chr1	3186480	3186480	+	3.285E-30	2.5666E-28	0.337479	hyper	sig	chr1_3186480
chr1	2274385	2274385	+	3.289E-30	2.5693E-28	0.34817	hyper	sig	chr1_2274385
chr19	50344834	50344834	+	3.296E-30	2.5752E-28	-0.3783	hypo	sig	chr19_50344834
chr7	8443762	8443762	+	3.298E-30	2.5764E-28	0.366594	hyper	sig	chr7_8443762
chr13	1.13E+08	113406029	+	3.31E-30	2.585E-28	-0.39372	hypo	sig	chr13_113406029
chr7	97002590	97002590	+	3.322E-30	2.5941E-28	0.387194	hyper	sig	chr7_97002590
chr16	57797929	57797929	+	3.327E-30	2.5983E-28	-0.35958	hypo	sig	chr16_57797929
chr19	56368554	56368554	+	3.328E-30	2.5983E-28	0.312464	hyper	sig	chr19_56368554
chr16	86496392	86496392	+	3.329E-30	2.599E-28	0.340106	hyper	sig	chr16_86496392
chr12	1.33E+08	132904920	+	3.333E-30	2.6021E-28	0.319032	hyper	sig	chr12_132904920
chr1	78491518	78491518	+	3.342E-30	2.609E-28	0.331667	hyper	sig	chr1_78491518
chr11	69817737	69817737	+	3.349E-30	2.6135E-28	0.240953	hyper	sig	chr11_69817737
chr6	15504589	15504589	+	3.349E-30	2.6135E-28	0.35344	hyper	sig	chr6_15504589
chr5	41510039	41510039	+	3.351E-30	2.6152E-28	0.359888	hyper	sig	chr5_41510039
chr20	21713993	21713993	+	3.353E-30	2.616E-28	0.337217	hyper	sig	chr20_21713993
chr4	1194844	1194844	+	3.371E-30	2.6304E-28	0.394684	hyper	sig	chr4_1194844
chr13	21919858	21919858	+	3.372E-30	2.6309E-28	-0.50004	hypo	sig	chr13_21919858
chr1	1.44E+08	143675636	+	3.373E-30	2.6311E-28	0.41931	hyper	sig	chr1_143675636
chr4	1.47E+08	146640746	+	3.373E-30	2.6311E-28	0.354202	hyper	sig	chr4_146640746
chr2	2.38E+08	238261050	+	3.375E-30	2.6323E-28	0.267716	hyper	sig	chr2_238261050
chr7	1761885	1761885	+	3.376E-30	2.6329E-28	-0.39033	hypo	sig	chr7_1761885
chr10	1.01E+08	101134270	+	3.378E-30	2.6344E-28	0.347301	hyper	sig	chr10_101134270
chr2	5691083	5691083	+	3.384E-30	2.6386E-28	0.311014	hyper	sig	chr2_5691083
chr22	31497252	31497252	+	3.388E-30	2.6411E-28	-0.23285	hypo	sig	chr22_31497252
chr8	1653191	1653191	+	3.39E-30	2.6426E-28	-0.32138	hypo	sig	chr8_1653191
chr14	61568927	61568927	+	3.392E-30	2.6444E-28	-0.347	hypo	sig	chr14_61568927
chr19	6659910	6659910	+	3.398E-30	2.6488E-28	0.419262	hyper	sig	chr19_6659910
chr20	63178444	63178444	+	3.401E-30	2.6502E-28	0.350849	hyper	sig	chr20_63178444
chr7	1.55E+08	154797885	+	3.401E-30	2.6502E-28	-0.36635	hypo	sig	chr7_154797885
chr19	16283842	16283842	+	3.404E-30	2.6522E-28	0.279301	hyper	sig	chr19_16283842
chr11	47337543	47337543	+	3.406E-30	2.6534E-28	-0.37411	hypo	sig	chr11_47337543
chr20	21396318	21396318	+	3.406E-30	2.6536E-28	0.280107	hyper	sig	chr20_21396318
chr5	37838641	37838641	+	3.422E-30	2.6656E-28	0.277396	hyper	sig	chr5_37838641
chr7	4725504	4725504	+	3.422E-30	2.6656E-28	0.354679	hyper	sig	chr7_4725504
chr19	50635710	50635710	+	3.431E-30	2.672E-28	-0.3768	hypo	sig	chr19_50635710
chr11	62270185	62270185	+	3.436E-30	2.6753E-28	-0.29067	hypo	sig	chr11_62270185
chr1	1.44E+08	143905301	+	3.439E-30	2.678E-28	0.26877	hyper	sig	chr1_143905301
chr13	77919569	77919569	+	3.448E-30	2.6844E-28	0.252986	hyper	sig	chr13_77919569
chr5	1.79E+08	179023659	+	3.453E-30	2.6882E-28	0.22257	hyper	sig	chr5_179023659
chr16	49884311	49884311	+	3.463E-30	2.6957E-28	-0.36272	hypo	sig	chr16_49884311
chr3	51708497	51708497	+	3.47E-30	2.7008E-28	-0.36033	hypo	sig	chr3_51708497
chr17	45262159	45262159	+	3.476E-30	2.7056E-28	0.236944	hyper	sig	chr17_45262159
chr2	54570132	54570132	+	3.485E-30	2.7118E-28	-0.31301	hypo	sig	chr2_54570132
chr4	89836382	89836382	+	3.489E-30	2.7145E-28	0.270283	hyper	sig	chr4_89836382
chr20	21713991	21713991	+	3.489E-30	2.715E-28	0.346979	hyper	sig	chr20_21713991
chr19	52536142	52536142	+	3.49E-30	2.7154E-28	0.357601	hyper	sig	chr19_52536142
chr16	10877349	10877349	+	3.492E-30	2.7165E-28	-0.29904	hypo	sig	chr16_10877349
chr16	67165545	67165545	+	3.502E-30	2.724E-28	0.40842	hyper	sig	chr16_67165545
chr5	1.41E+08	141344291	+	3.508E-30	2.7284E-28	0.305375	hyper	sig	chr5_141344291
chr2	27891621	27891621	+	3.511E-30	2.7302E-28	-0.27833	hypo	sig	chr2_27891621
chr17	79981635	79981635	+	3.512E-30	2.7311E-28	0.311816	hyper	sig	chr17_79981635
chr3	1.39E+08	138938739	+	3.513E-30	2.7312E-28	0.242012	hyper	sig	chr3_138938739
chr7	1.56E+08	155830180	+	3.513E-30	2.7312E-28	-0.37704	hypo	sig	chr7_155830180
chr12	4909622	4909622	+	3.514E-30	2.732E-28	0.287693	hyper	sig	chr12_4909622

chr5	14387117	14387117	+	3.528E-30	2.7426E-28	0.373669	hyper	sig	chr5_14387117
chr6	71420912	71420912	+	3.545E-30	2.7552E-28	0.324285	hyper	sig	chr6_71420912
chr12	1.15E+08	114697190	+	3.546E-30	2.7558E-28	0.306261	hyper	sig	chr12_114697190
chr5	1.32E+08	132257462	+	3.547E-30	2.7565E-28	0.318787	hyper	sig	chr5_132257462
chr19	57727560	57727560	+	3.57E-30	2.7743E-28	0.303872	hyper	sig	chr19_57727560
chr2	2.38E+08	237591706	+	3.582E-30	2.783E-28	-0.40307	hypo	sig	chr2_237591706
chr1	18805641	18805641	+	3.62E-30	2.8121E-28	-0.36507	hypo	sig	chr1_18805641
chr5	1.16E+08	115816782	+	3.629E-30	2.8189E-28	0.333677	hyper	sig	chr5_115816782
chr1	1.19E+08	118986065	+	3.641E-30	2.8283E-28	0.37873	hyper	sig	chr1_118986065
chr14	60506828	60506828	+	3.65E-30	2.8345E-28	0.311602	hyper	sig	chr14_60506828
chr16	2163776	2163776	+	3.665E-30	2.8458E-28	-0.3473	hypo	sig	chr16_2163776
chr19	53132855	53132855	+	3.666E-30	2.8465E-28	0.306604	hyper	sig	chr19_53132855
chr15	63041615	63041615	+	3.667E-30	2.8469E-28	0.327707	hyper	sig	chr15_63041615
chr5	1.41E+08	141051336	+	3.67E-30	2.8494E-28	0.308075	hyper	sig	chr5_141051336
chr3	54135956	54135956	+	3.673E-30	2.851E-28	-0.38615	hypo	sig	chr3_54135956
chr13	67230222	67230222	+	3.681E-30	2.8574E-28	0.234895	hyper	sig	chr13_67230222
chr12	1.11E+08	111036207	+	3.683E-30	2.8583E-28	0.2592	hyper	sig	chr12_111036207
chr3	6862591	6862591	+	3.684E-30	2.859E-28	0.343453	hyper	sig	chr3_6862591
chr7	56115891	56115891	+	3.69E-30	2.8631E-28	0.34182	hyper	sig	chr7_56115891
chr7	868109	868109	+	3.702E-30	2.8722E-28	0.397075	hyper	sig	chr7_868109
chr5	1.77E+08	177492272	+	3.706E-30	2.8751E-28	0.368985	hyper	sig	chr5_177492272
chr1	1.62E+08	161525168	+	3.727E-30	2.8914E-28	0.263206	hyper	sig	chr1_161525168
chr15	79004868	79004868	+	3.737E-30	2.8989E-28	-0.30219	hypo	sig	chr15_79004868
chr4	52858517	52858517	+	3.739E-30	2.8997E-28	-0.39064	hypo	sig	chr4_52858517
chr7	4205796	4205796	+	3.739E-30	2.9001E-28	-0.36735	hypo	sig	chr7_4205796
chr2	1743062	1743062	+	3.746E-30	2.905E-28	0.305434	hyper	sig	chr2_1743062
chr7	54542233	54542233	+	3.757E-30	2.9131E-28	0.313866	hyper	sig	chr7_54542233
chr3	75641305	75641305	+	3.764E-30	2.9186E-28	0.286805	hyper	sig	chr3_75641305
chr2	50847732	50847732	+	3.771E-30	2.9232E-28	-0.34773	hypo	sig	chr2_50847732
chr7	35186130	35186130	+	3.771E-30	2.9232E-28	0.248082	hyper	sig	chr7_35186130
chr20	62561072	62561072	+	3.774E-30	2.9255E-28	-0.33407	hypo	sig	chr20_62561072
chr10	1.32E+08	132232677	+	3.784E-30	2.9326E-28	-0.30598	hypo	sig	chr10_132232677
chr2	1876009	1876009	+	3.785E-30	2.9332E-28	-0.33094	hypo	sig	chr2_1876009
chr4	1.74E+08	173531403	+	3.785E-30	2.9332E-28	0.377263	hyper	sig	chr4_173531403
chr6	83709633	83709633	+	3.793E-30	2.9387E-28	0.336658	hyper	sig	chr6_83709633
chr1	54387140	54387140	+	3.799E-30	2.9432E-28	0.303456	hyper	sig	chr1_54387140
chr19	40613917	40613917	+	3.802E-30	2.9454E-28	0.301277	hyper	sig	chr19_40613917
chr1	2.44E+08	243917766	+	3.803E-30	2.9455E-28	0.302788	hyper	sig	chr1_243917766
chr7	1.55E+08	155467628	+	3.804E-30	2.9458E-28	0.369724	hyper	sig	chr7_155467628
chr5	14441009	14441009	+	3.81E-30	2.9504E-28	0.419961	hyper	sig	chr5_14441009
chr7	1.56E+08	156123008	+	3.834E-30	2.9683E-28	-0.36816	hypo	sig	chr7_156123008
chr1	2.08E+08	207669771	+	3.836E-30	2.9698E-28	0.291637	hyper	sig	chr1_207669771
chr8	1.43E+08	143173449	+	3.838E-30	2.9707E-28	-0.34929	hypo	sig	chr8_143173449
chr13	93226993	93226993	+	3.85E-30	2.9801E-28	0.427965	hyper	sig	chr13_93226993
chr5	1.14E+08	113615568	+	3.86E-30	2.9876E-28	-0.38668	hypo	sig	chr5_113615568
chr20	21713835	21713835	+	3.861E-30	2.9882E-28	0.351297	hyper	sig	chr20_21713835
chr8	79615394	79615394	+	3.868E-30	2.9934E-28	-0.31847	hypo	sig	chr8_79615394
chr1	20553062	20553062	+	3.876E-30	2.9994E-28	0.36285	hyper	sig	chr1_20553062
chr13	57629484	57629484	+	3.883E-30	3.0039E-28	0.325267	hyper	sig	chr13_57629484
chr2	1.68E+08	167713929	+	3.892E-30	3.0113E-28	-0.47093	hypo	sig	chr2_167713929
chr1	1.65E+08	165355442	+	3.893E-30	3.0116E-28	0.393707	hyper	sig	chr1_165355442
chr20	56003886	56003886	+	3.908E-30	3.0231E-28	0.448706	hyper	sig	chr20_56003886
chr14	62117813	62117813	+	3.915E-30	3.028E-28	0.277423	hyper	sig	chr14_62117813
chr11	19865243	19865243	+	3.924E-30	3.0339E-28	0.286934	hyper	sig	chr11_19865243
chr20	63970189	63970189	+	3.923E-30	3.0339E-28	0.250597	hyper	sig	chr20_63970189
chr13	57629882	57629882	+	3.932E-30	3.0399E-28	0.345145	hyper	sig	chr13_57629882

chr1	2.44E+08	243917616	+	3.948E-30	3.0522E-28	0.32928	hyper	sig	chr1_243917616
chr19	57709338	57709338	+	3.952E-30	3.0548E-28	0.291916	hyper	sig	chr19_57709338
chr1	12063465	12063465	+	3.959E-30	3.0599E-28	0.250967	hyper	sig	chr1_12063465
chr7	28410432	28410432	+	3.959E-30	3.0602E-28	0.311543	hyper	sig	chr7_28410432
chr2	65421516	65421516	+	3.97E-30	3.0683E-28	-0.36444	hypo	sig	chr2_65421516
chr17	81026892	81026892	+	3.985E-30	3.0792E-28	0.34009	hyper	sig	chr17_81026892
chr6	33123929	33123929	+	3.988E-30	3.0811E-28	-0.34155	hypo	sig	chr6_33123929
chr13	1.12E+08	112073986	+	3.998E-30	3.0881E-28	0.295021	hyper	sig	chr13_112073986
chr5	1.56E+08	155728892	+	3.998E-30	3.0881E-28	0.329053	hyper	sig	chr5_155728892
chr9	96924792	96924792	+	3.997E-30	3.0881E-28	0.364315	hyper	sig	chr9_96924792
chr2	951422	951422	+	4.001E-30	3.0906E-28	0.367455	hyper	sig	chr2_951422
chr7	27113294	27113294	+	4.004E-30	3.0923E-28	0.415936	hyper	sig	chr7_27113294
chr19	38255975	38255975	+	4.005E-30	3.0924E-28	0.353086	hyper	sig	chr19_38255975
chr19	55362967	55362967	+	4.006E-30	3.0934E-28	-0.36324	hypo	sig	chr19_55362967
chr5	1.41E+08	140849775	+	4.01E-30	3.0958E-28	0.439726	hyper	sig	chr5_140849775
chr8	1.44E+08	143547568	+	4.011E-30	3.0966E-28	-0.26785	hypo	sig	chr8_143547568
chr13	38687977	38687977	+	4.018E-30	3.1018E-28	0.291887	hyper	sig	chr13_38687977
chr2	63057030	63057030	+	4.022E-30	3.1045E-28	0.244704	hyper	sig	chr2_63057030
chr1	6273807	6273807	+	4.027E-30	3.1082E-28	-0.35588	hypo	sig	chr1_6273807
chr21	33027047	33027047	+	4.03E-30	3.1102E-28	0.31944	hyper	sig	chr21_33027047
chr2	1937712	1937712	+	4.037E-30	3.1151E-28	-0.27483	hypo	sig	chr2_1937712
chr13	67230192	67230192	+	4.041E-30	3.118E-28	0.218513	hyper	sig	chr13_67230192
chr14	1.05E+08	104844329	+	4.044E-30	3.1198E-28	0.441222	hyper	sig	chr14_104844329
chr19	15902561	15902561	+	4.047E-30	3.1221E-28	-0.39897	hypo	sig	chr19_15902561
chr5	1.41E+08	141149892	+	4.05E-30	3.1235E-28	0.371332	hyper	sig	chr5_141149892
chr8	71558903	71558903	+	4.05E-30	3.1235E-28	0.356477	hyper	sig	chr8_71558903
chr7	56115904	56115904	+	4.052E-30	3.1246E-28	0.342773	hyper	sig	chr7_56115904
chr7	76259936	76259936	+	4.053E-30	3.1251E-28	0.302743	hyper	sig	chr7_76259936
chr15	92818694	92818694	+	4.054E-30	3.1261E-28	-0.35144	hypo	sig	chr15_92818694
chr20	63007238	63007238	+	4.06E-30	3.1301E-28	0.390374	hyper	sig	chr20_63007238
chr20	21507536	21507536	+	4.095E-30	3.1571E-28	0.464673	hyper	sig	chr20_21507536
chr16	86565288	86565288	+	4.117E-30	3.1736E-28	0.306667	hyper	sig	chr16_86565288
chr5	43034508	43034508	+	4.121E-30	3.176E-28	0.310749	hyper	sig	chr5_43034508
chr13	1.08E+08	108496647	+	4.133E-30	3.1855E-28	0.464386	hyper	sig	chr13_108496647
chr2	582581	582581	+	4.146E-30	3.195E-28	-0.35085	hypo	sig	chr2_582581
chr16	3183912	3183912	+	4.153E-30	3.2002E-28	0.323973	hyper	sig	chr16_3183912
chr3	62370617	62370617	+	4.157E-30	3.2029E-28	0.335825	hyper	sig	chr3_62370617
chr1	75130307	75130307	+	4.165E-30	3.2083E-28	0.312256	hyper	sig	chr1_75130307
chr10	29545337	29545337	+	4.165E-30	3.2084E-28	0.288693	hyper	sig	chr10_29545337
chr1	1.77E+08	177171132	+	4.166E-30	3.2088E-28	0.260439	hyper	sig	chr1_177171132
chr15	40927021	40927021	+	4.175E-30	3.2153E-28	-0.31637	hypo	sig	chr15_40927021
chr2	1.3E+08	130006007	+	4.176E-30	3.2158E-28	0.289505	hyper	sig	chr2_130006007
chr11	71269855	71269855	+	4.186E-30	3.2229E-28	-0.36928	hypo	sig	chr11_71269855
chr21	42064132	42064132	+	4.186E-30	3.2229E-28	-0.39042	hypo	sig	chr21_42064132
chr7	81114	81114	+	4.189E-30	3.2253E-28	-0.3813	hypo	sig	chr7_81114
chr12	1.14E+08	113796318	+	4.192E-30	3.2273E-28	0.383828	hyper	sig	chr12_113796318
chr5	1.78E+08	178121912	+	4.216E-30	3.2448E-28	0.321386	hyper	sig	chr5_178121912
chr11	1.04E+08	104163499	+	4.226E-30	3.2526E-28	0.290924	hyper	sig	chr11_104163499
chr2	1.32E+08	132257169	+	4.228E-30	3.2538E-28	0.3646	hyper	sig	chr2_132257169
chr5	1107077	1107077	+	4.231E-30	3.2553E-28	-0.3709	hypo	sig	chr5_1107077
chr11	27723016	27723016	+	4.234E-30	3.2573E-28	0.255452	hyper	sig	chr11_27723016
chr11	31799098	31799098	+	4.235E-30	3.2576E-28	0.329015	hyper	sig	chr11_31799098
chr8	1.05E+08	105319960	+	4.241E-30	3.2623E-28	0.302811	hyper	sig	chr8_105319960
chr7	1.34E+08	134459308	+	4.244E-30	3.2643E-28	0.222454	hyper	sig	chr7_134459308
chr15	37098120	37098120	+	4.252E-30	3.2702E-28	0.369732	hyper	sig	chr15_37098120
chr17	82228260	82228260	+	4.255E-30	3.2718E-28	-0.35187	hypo	sig	chr17_82228260

chr5	34497459	34497459	+	4.255E-30	3.2718E-28	0.371585	hyper	sig	chr5_34497459
chr6	31927426	31927426	+	4.257E-30	3.2726E-28	-0.31247	hypo	sig	chr6_31927426
chr12	1.14E+08	114444113	+	4.257E-30	3.2728E-28	0.413874	hyper	sig	chr12_114444113
chr2	45004738	45004738	+	4.267E-30	3.2802E-28	0.278372	hyper	sig	chr2_45004738
chr21	42668771	42668771	+	4.27E-30	3.2823E-28	0.310291	hyper	sig	chr21_42668771
chr16	86496334	86496334	+	4.273E-30	3.2842E-28	0.357529	hyper	sig	chr16_86496334
chr21	42222225	42222225	+	4.274E-30	3.2846E-28	0.32657	hyper	sig	chr21_42222225
chr2	2.08E+08	208124600	+	4.279E-30	3.288E-28	0.357384	hyper	sig	chr2_208124600
chr10	1.29E+08	128527968	+	4.286E-30	3.2925E-28	-0.3525	hypo	sig	chr10_128527968
chr6	1.68E+08	168180779	+	4.286E-30	3.2925E-28	-0.38861	hypo	sig	chr6_168180779
chr19	37692188	37692188	+	4.289E-30	3.2949E-28	0.20584	hyper	sig	chr19_37692188
chr19	22634254	22634254	+	4.305E-30	3.3065E-28	0.278267	hyper	sig	chr19_22634254
chr12	1.33E+08	132904984	+	4.31E-30	3.3099E-28	0.321682	hyper	sig	chr12_132904984
chr1	1007319	1007319	+	4.312E-30	3.3114E-28	-0.3143	hypo	sig	chr1_1007319
chr5	1.56E+08	155729545	+	4.326E-30	3.3218E-28	0.337157	hyper	sig	chr5_155729545
chr19	15511874	15511874	+	4.326E-30	3.322E-28	-0.48569	hypo	sig	chr19_15511874
chr13	20177183	20177183	+	4.327E-30	3.3222E-28	0.371529	hyper	sig	chr13_20177183
chr1	1.21E+08	121117248	+	4.337E-30	3.3292E-28	0.447294	hyper	sig	chr1_121117248
chr22	49671277	49671277	+	4.338E-30	3.3297E-28	0.389487	hyper	sig	chr22_49671277
chr10	29470459	29470459	+	4.344E-30	3.3345E-28	0.313061	hyper	sig	chr10_29470459
chr8	13100602	13100602	+	4.347E-30	3.3361E-28	0.347345	hyper	sig	chr8_13100602
chr1	2.43E+08	242524126	+	4.351E-30	3.3389E-28	0.338377	hyper	sig	chr1_242524126
chr11	10729313	10729313	+	4.37E-30	3.3531E-28	0.350764	hyper	sig	chr11_10729313
chr2	44933229	44933229	+	4.37E-30	3.3532E-28	0.431033	hyper	sig	chr2_44933229
chr5	1.19E+08	119355431	+	4.38E-30	3.36E-28	-0.30066	hypo	sig	chr5_119355431
chr19	4559787	4559787	+	4.388E-30	3.3664E-28	-0.37093	hypo	sig	chr19_4559787
chr4	1.35E+08	134944347	+	4.398E-30	3.3733E-28	-0.32307	hypo	sig	chr4_134944347
chr14	1.04E+08	103552435	+	4.41E-30	3.3823E-28	0.321022	hyper	sig	chr14_103552435
chr13	52848936	52848936	+	4.413E-30	3.3839E-28	0.375994	hyper	sig	chr13_52848936
chr7	35536509	35536509	+	4.415E-30	3.3852E-28	-0.28847	hypo	sig	chr7_35536509
chr19	49436768	49436768	+	4.418E-30	3.3872E-28	0.362939	hyper	sig	chr19_49436768
chr11	69819595	69819595	+	4.419E-30	3.3882E-28	0.364705	hyper	sig	chr11_69819595
chr1	47445299	47445299	+	4.423E-30	3.3909E-28	0.268239	hyper	sig	chr1_47445299
chr6	37705956	37705956	+	4.429E-30	3.3952E-28	0.326382	hyper	sig	chr6_37705956
chr19	44757668	44757668	+	4.435E-30	3.3994E-28	0.410256	hyper	sig	chr19_44757668
chr16	29154841	29154841	+	4.45E-30	3.4103E-28	0.310242	hyper	sig	chr16_29154841
chr16	31011030	31011030	+	4.451E-30	3.4105E-28	0.327362	hyper	sig	chr16_31011030
chr9	971480	971480	+	4.457E-30	3.4149E-28	0.413493	hyper	sig	chr9_971480
chr16	86516354	86516354	+	4.471E-30	3.4253E-28	0.331996	hyper	sig	chr16_86516354
chr5	1.29E+08	128537994	+	4.475E-30	3.4281E-28	0.377992	hyper	sig	chr5_128537994
chr12	1.14E+08	114403049	+	4.492E-30	3.4409E-28	0.396976	hyper	sig	chr12_114403049
chr12	1.03E+08	102824803	+	4.493E-30	3.4416E-28	0.33137	hyper	sig	chr12_102824803
chr3	13637572	13637572	+	4.496E-30	3.4432E-28	-0.31973	hypo	sig	chr3_13637572
chr10	7409882	7409882	+	4.507E-30	3.4511E-28	0.272592	hyper	sig	chr10_7409882
chr1	1.19E+08	118986281	+	4.532E-30	3.4705E-28	0.38022	hyper	sig	chr1_118986281
chr4	1.04E+08	103720164	+	4.533E-30	3.4707E-28	0.326078	hyper	sig	chr4_103720164
chr4	1.74E+08	173528845	+	4.543E-30	3.4778E-28	0.361785	hyper	sig	chr4_173528845
chr19	4569103	4569103	+	4.551E-30	3.4838E-28	-0.38998	hypo	sig	chr19_4569103
chr15	37093699	37093699	+	4.553E-30	3.4852E-28	0.340092	hyper	sig	chr15_37093699
chr1	8212042	8212042	+	4.556E-30	3.4873E-28	-0.35821	hypo	sig	chr1_8212042
chr1	6276454	6276454	+	4.558E-30	3.4885E-28	0.35329	hyper	sig	chr1_6276454
chr16	69276358	69276358	+	4.568E-30	3.4955E-28	0.316831	hyper	sig	chr16_69276358
chr6	41638701	41638701	+	4.57E-30	3.4971E-28	0.352863	hyper	sig	chr6_41638701
chr1	3186486	3186486	+	4.582E-30	3.5053E-28	0.320432	hyper	sig	chr1_3186486
chr14	77140875	77140875	+	4.583E-30	3.5063E-28	0.391995	hyper	sig	chr14_77140875
chr20	63494936	63494936	+	4.589E-30	3.5106E-28	-0.37257	hypo	sig	chr20_63494936

chr6	1.52E+08	151809016	+	4.595E-30	3.5146E-28	0.416715	hyper	sig	chr6_151809016
chr15	89783580	89783580	+	4.597E-30	3.5155E-28	-0.37241	hypo	sig	chr15_89783580
chr6	32053506	32053506	+	4.609E-30	3.5248E-28	-0.36416	hypo	sig	chr6_32053506
chr1	2.28E+08	228464774	+	4.631E-30	3.5408E-28	0.297992	hyper	sig	chr1_228464774
chr6	41638707	41638707	+	4.646E-30	3.5522E-28	0.327528	hyper	sig	chr6_41638707
chr17	7579376	7579376	+	4.647E-30	3.5525E-28	-0.22338	hypo	sig	chr17_7579376
chr3	1.25E+08	125357072	+	4.65E-30	3.5541E-28	0.428415	hyper	sig	chr3_125357072
chr8	96159618	96159618	+	4.65E-30	3.5541E-28	0.345576	hyper	sig	chr8_96159618
chr16	54932740	54932740	+	4.665E-30	3.5654E-28	0.421603	hyper	sig	chr16_54932740
chr17	77477459	77477459	+	4.679E-30	3.5756E-28	0.324998	hyper	sig	chr17_77477459
chr12	6824378	6824378	+	4.737E-30	3.6199E-28	-0.32768	hypo	sig	chr12_6824378
chr16	1266231	1266231	+	4.774E-30	3.6474E-28	-0.41814	hypo	sig	chr16_1266231
chr19	58350161	58350161	+	4.774E-30	3.6474E-28	0.36898	hyper	sig	chr19_58350161
chr19	52398018	52398018	+	4.779E-30	3.6507E-28	0.303783	hyper	sig	chr19_52398018
chr19	46412335	46412335	+	4.789E-30	3.6581E-28	0.345346	hyper	sig	chr19_46412335
chr1	2.36E+08	236396178	+	4.8E-30	3.6658E-28	0.343391	hyper	sig	chr1_236396178
chr9	971528	971528	+	4.802E-30	3.6673E-28	0.426164	hyper	sig	chr9_971528
chr10	7412599	7412599	+	4.817E-30	3.6785E-28	0.32926	hyper	sig	chr10_7412599
chr8	1.33E+08	133237790	+	4.823E-30	3.6829E-28	0.326108	hyper	sig	chr8_133237790
chr16	85620503	85620503	+	4.827E-30	3.6851E-28	-0.30177	hypo	sig	chr16_85620503
chr4	41880723	41880723	+	4.842E-30	3.6963E-28	0.30628	hyper	sig	chr4_41880723
chr11	843915	843915	+	4.846E-30	3.6992E-28	0.296275	hyper	sig	chr11_843915
chr9	1.38E+08	137873788	+	4.855E-30	3.7061E-28	-0.36072	hypo	sig	chr9_137873788
chr10	6191703	6191703	+	4.857E-30	3.707E-28	0.2528	hyper	sig	chr10_6191703
chr2	2.38E+08	238261055	+	4.859E-30	3.7079E-28	0.273301	hyper	sig	chr2_238261055
chr6	32188517	32188517	+	4.861E-30	3.7092E-28	0.358918	hyper	sig	chr6_32188517
chr6	393209	393209	+	4.871E-30	3.7168E-28	0.314314	hyper	sig	chr6_393209
chr7	1.28E+08	128270936	+	4.874E-30	3.7186E-28	0.348658	hyper	sig	chr7_128270936
chr12	66234342	66234342	+	4.877E-30	3.7204E-28	-0.49841	hypo	sig	chr12_66234342
chr8	48911649	48911649	+	4.878E-30	3.7205E-28	-0.27145	hypo	sig	chr8_48911649
chr22	46057928	46057928	+	4.905E-30	3.7414E-28	-0.29622	hypo	sig	chr22_46057928
chr10	29733766	29733766	+	4.911E-30	3.7454E-28	0.326187	hyper	sig	chr10_29733766
chr5	1.41E+08	141343982	+	4.912E-30	3.7457E-28	0.299994	hyper	sig	chr5_141343982
chr14	36663312	36663312	+	4.914E-30	3.7466E-28	0.269651	hyper	sig	chr14_36663312
chr4	1.51E+08	150581837	+	4.914E-30	3.7467E-28	0.425301	hyper	sig	chr4_150581837
chr5	1.36E+08	136365417	+	4.918E-30	3.7492E-28	0.40201	hyper	sig	chr5_136365417
chr10	99531515	99531515	+	4.927E-30	3.7556E-28	0.271425	hyper	sig	chr10_99531515
chr18	79785044	79785044	+	4.947E-30	3.7707E-28	-0.40052	hypo	sig	chr18_79785044
chr19	58203896	58203896	+	4.96E-30	3.7795E-28	0.363148	hyper	sig	chr19_58203896
chr3	27723910	27723910	+	4.96E-30	3.7795E-28	0.314346	hyper	sig	chr3_27723910
chr5	1.41E+08	141094541	+	4.967E-30	3.7845E-28	0.299661	hyper	sig	chr5_141094541
chr4	1.64E+08	164383344	+	4.967E-30	3.7846E-28	0.307771	hyper	sig	chr4_164383344
chr13	27795402	27795402	+	4.995E-30	3.8052E-28	0.333416	hyper	sig	chr13_27795402
chr13	27795365	27795365	+	4.997E-30	3.8065E-28	0.322323	hyper	sig	chr13_27795365
chr13	1.14E+08	114005297	+	5.005E-30	3.8124E-28	-0.42184	hypo	sig	chr13_114005297
chr7	96993318	96993318	+	5.012E-30	3.817E-28	0.32739	hyper	sig	chr7_96993318
chr13	36430610	36430610	+	5.023E-30	3.8251E-28	0.288341	hyper	sig	chr13_36430610
chr6	29793055	29793055	+	5.035E-30	3.8337E-28	0.229546	hyper	sig	chr6_29793055
chr2	86790346	86790346	+	5.042E-30	3.8388E-28	0.319244	hyper	sig	chr2_86790346
chr14	92922561	92922561	+	5.045E-30	3.8413E-28	-0.35346	hypo	sig	chr14_92922561
chr7	54542517	54542517	+	5.053E-30	3.8464E-28	0.367522	hyper	sig	chr7_54542517
chr1	6276524	6276524	+	5.058E-30	3.8498E-28	0.364264	hyper	sig	chr1_6276524
chr14	1.04E+08	103523394	+	5.061E-30	3.8524E-28	0.306818	hyper	sig	chr14_103523394
chr6	28810331	28810331	+	5.069E-30	3.8582E-28	0.336332	hyper	sig	chr6_28810331
chr6	28634928	28634928	+	5.087E-30	3.871E-28	0.301839	hyper	sig	chr6_28634928
chr10	49613641	49613641	+	5.105E-30	3.8847E-28	0.34163	hyper	sig	chr10_49613641

chr5	1.8E+08	179529787	+	5.126E-30	3.9001E-28	-0.38466	hypo	sig	chr5_179529787
chr6	1.37E+08	137498036	+	5.158E-30	3.9244E-28	0.255451	hyper	sig	chr6_137498036
chr20	63123657	63123657	+	5.17E-30	3.9327E-28	-0.34095	hypo	sig	chr20_63123657
chr10	29692287	29692287	+	5.17E-30	3.9328E-28	0.402028	hyper	sig	chr10_29692287
chr17	77285968	77285968	+	5.173E-30	3.9343E-28	-0.31618	hypo	sig	chr17_77285968
chr3	26623751	26623751	+	5.18E-30	3.9396E-28	0.300037	hyper	sig	chr3_26623751
chr7	97024664	97024664	+	5.182E-30	3.9408E-28	0.294271	hyper	sig	chr7_97024664
chr1	2.29E+08	229434496	+	5.183E-30	3.941E-28	0.278152	hyper	sig	chr1_229434496
chr1	77282527	77282527	+	5.187E-30	3.9432E-28	0.282832	hyper	sig	chr1_77282527
chr7	1.55E+08	155462573	+	5.19E-30	3.9453E-28	0.377212	hyper	sig	chr7_155462573
chr2	1743116	1743116	+	5.197E-30	3.9506E-28	0.335109	hyper	sig	chr2_1743116
chr7	2203832	2203832	+	5.202E-30	3.9539E-28	0.349531	hyper	sig	chr7_2203832
chr8	1.45E+08	144713160	+	5.21E-30	3.9594E-28	0.421399	hyper	sig	chr8_144713160
chr15	1.02E+08	101554396	+	5.229E-30	3.9736E-28	0.380139	hyper	sig	chr15_101554396
chr8	70070740	70070740	+	5.23E-30	3.974E-28	0.360921	hyper	sig	chr8_70070740
chr19	36916158	36916158	+	5.244E-30	3.9845E-28	0.237092	hyper	sig	chr19_36916158
chr12	6620507	6620507	+	5.246E-30	3.9854E-28	0.322904	hyper	sig	chr12_6620507
chr6	1.37E+08	137494511	+	5.263E-30	3.9978E-28	0.312228	hyper	sig	chr6_137494511
chr8	24914744	24914744	+	5.268E-30	4.0018E-28	0.286096	hyper	sig	chr8_24914744
chr5	1.41E+08	141403195	+	5.277E-30	4.0076E-28	0.345454	hyper	sig	chr5_141403195
chr6	28635390	28635390	+	5.279E-30	4.0091E-28	0.27311	hyper	sig	chr6_28635390
chr11	66267192	66267192	+	5.285E-30	4.013E-28	0.296034	hyper	sig	chr11_66267192
chr14	1.05E+08	104605030	+	5.297E-30	4.022E-28	0.342183	hyper	sig	chr14_104605030
chr19	18650737	18650737	+	5.298E-30	4.022E-28	0.382152	hyper	sig	chr19_18650737
chr7	4268730	4268730	+	5.309E-30	4.0306E-28	-0.33628	hypo	sig	chr7_4268730
chr13	27919174	27919174	+	5.311E-30	4.0316E-28	0.47569	hyper	sig	chr13_27919174
chr7	67301868	67301868	+	5.32E-30	4.038E-28	0.504799	hyper	sig	chr7_67301868
chr6	32058064	32058064	+	5.322E-30	4.039E-28	-0.38835	hypo	sig	chr6_32058064
chr13	27975561	27975561	+	5.327E-30	4.0423E-28	0.342262	hyper	sig	chr13_27975561
chr2	1.19E+08	118833618	+	5.346E-30	4.0566E-28	0.349778	hyper	sig	chr2_118833618
chr17	40089270	40089270	+	5.348E-30	4.0579E-28	0.240597	hyper	sig	chr17_40089270
chr17	81255324	81255324	+	5.35E-30	4.0584E-28	0.26961	hyper	sig	chr17_81255324
chr7	85185898	85185898	+	5.35E-30	4.0586E-28	0.296277	hyper	sig	chr7_85185898
chr1	1.81E+08	181112078	+	5.352E-30	4.0592E-28	-0.29281	hypo	sig	chr1_181112078
chr8	98948666	98948666	+	5.362E-30	4.0665E-28	0.282143	hyper	sig	chr8_98948666
chr7	4639030	4639030	+	5.373E-30	4.0744E-28	-0.32922	hypo	sig	chr7_4639030
chr1	47444582	47444582	+	5.374E-30	4.0752E-28	0.348492	hyper	sig	chr1_47444582
chr8	59999916	59999916	+	5.377E-30	4.0772E-28	-0.36651	hypo	sig	chr8_59999916
chr14	24311298	24311298	+	5.379E-30	4.078E-28	0.279682	hyper	sig	chr14_24311298
chr2	44928036	44928036	+	5.383E-30	4.0806E-28	0.370685	hyper	sig	chr2_44928036
chr5	1657231	1657231	+	5.386E-30	4.083E-28	-0.39204	hypo	sig	chr5_1657231
chr19	46426876	46426876	+	5.387E-30	4.083E-28	0.272398	hyper	sig	chr19_46426876
chr21	43924638	43924638	+	5.391E-30	4.0858E-28	-0.2368	hypo	sig	chr21_43924638
chr2	29920795	29920795	+	5.397E-30	4.0897E-28	0.343332	hyper	sig	chr2_29920795
chr12	30818692	30818692	+	5.422E-30	4.1083E-28	-0.29364	hypo	sig	chr12_30818692
chr1	12540718	12540718	+	5.424E-30	4.1096E-28	0.330241	hyper	sig	chr1_12540718
chr2	45004692	45004692	+	5.426E-30	4.1107E-28	0.261578	hyper	sig	chr2_45004692
chr17	48725185	48725185	+	5.437E-30	4.1186E-28	0.277765	hyper	sig	chr17_48725185
chr14	91352243	91352243	+	5.458E-30	4.134E-28	0.320711	hyper	sig	chr14_91352243
chr12	52233476	52233476	+	5.478E-30	4.1491E-28	0.480413	hyper	sig	chr12_52233476
chr5	1.78E+08	178121633	+	5.485E-30	4.1541E-28	0.401653	hyper	sig	chr5_178121633
chr19	3881199	3881199	+	5.495E-30	4.1609E-28	0.334673	hyper	sig	chr19_3881199
chr12	81077817	81077817	+	5.499E-30	4.1638E-28	0.326651	hyper	sig	chr12_81077817
chr10	46285537	46285537	+	5.504E-30	4.1669E-28	-0.34184	hypo	sig	chr10_46285537
chr3	1.41E+08	141412347	+	5.512E-30	4.1725E-28	0.343739	hyper	sig	chr3_141412347
chr20	50305535	50305535	+	5.518E-30	4.177E-28	0.375961	hyper	sig	chr20_50305535

chr1	2.27E+08	226736602	+	5.527E-30	4.183E-28	0.28397	hyper	sig	chr1_226736602
chr2	96986032	96986032	+	5.53E-30	4.1848E-28	0.400332	hyper	sig	chr2_96986032
chr22	36410535	36410535	+	5.536E-30	4.1893E-28	-0.30856	hypo	sig	chr22_36410535
chr3	1.39E+08	138939563	+	5.561E-30	4.2074E-28	0.346218	hyper	sig	chr3_138939563
chr10	1.01E+08	100830413	+	5.565E-30	4.2101E-28	0.360805	hyper	sig	chr10_100830413
chr6	1E+08	100448882	+	5.586E-30	4.2261E-28	0.296339	hyper	sig	chr6_100448882
chr14	26597428	26597428	+	5.591E-30	4.2293E-28	0.296212	hyper	sig	chr14_26597428
chr1	16520812	16520812	+	5.598E-30	4.234E-28	0.324704	hyper	sig	chr1_16520812
chr16	3305275	3305275	+	5.602E-30	4.2366E-28	0.26295	hyper	sig	chr16_3305275
chr7	97013482	97013482	+	5.603E-30	4.2372E-28	0.322826	hyper	sig	chr7_97013482
chr6	28865563	28865563	+	5.604E-30	4.2376E-28	-0.42353	hypo	sig	chr6_28865563
chr2	29115118	29115118	+	5.612E-30	4.2434E-28	0.330246	hyper	sig	chr2_29115118
chr5	1.41E+08	141246280	+	5.617E-30	4.2469E-28	0.323973	hyper	sig	chr5_141246280
chr6	28635127	28635127	+	5.666E-30	4.2832E-28	0.255609	hyper	sig	chr6_28635127
chr1	1.11E+08	111271538	+	5.668E-30	4.2844E-28	0.375917	hyper	sig	chr1_111271538
chr4	41881152	41881152	+	5.684E-30	4.296E-28	0.342034	hyper	sig	chr4_41881152
chr3	6862551	6862551	+	5.706E-30	4.3121E-28	0.280009	hyper	sig	chr3_6862551
chr5	1.42E+08	141513258	+	5.709E-30	4.3144E-28	0.373938	hyper	sig	chr5_141513258
chr11	65546530	65546530	+	5.73E-30	4.3295E-28	-0.27626	hypo	sig	chr11_65546530
chr3	1.65E+08	165195825	+	5.731E-30	4.3298E-28	0.303022	hyper	sig	chr3_165195825
chr2	1875596	1875596	+	5.732E-30	4.3301E-28	-0.32163	hypo	sig	chr2_1875596
chr16	84178365	84178365	+	5.752E-30	4.3448E-28	0.389212	hyper	sig	chr16_84178365
chr3	1.54E+08	154428668	+	5.794E-30	4.3762E-28	0.377013	hyper	sig	chr3_154428668
chr5	1.81E+08	181100565	+	5.796E-30	4.3769E-28	0.290084	hyper	sig	chr5_181100565
chr8	1.44E+08	143938580	+	5.799E-30	4.3788E-28	-0.36305	hypo	sig	chr8_143938580
chr7	20779308	20779308	+	5.805E-30	4.3832E-28	0.351776	hyper	sig	chr7_20779308
chr1	66534070	66534070	+	5.823E-30	4.3963E-28	0.278543	hyper	sig	chr1_66534070
chr20	63361124	63361124	+	5.836E-30	4.4054E-28	0.422912	hyper	sig	chr20_63361124
chr3	1.24E+08	123700839	+	5.837E-30	4.4054E-28	0.383434	hyper	sig	chr3_123700839
chr7	666086	666086	+	5.837E-30	4.4054E-28	0.347889	hyper	sig	chr7_666086
chr11	44310931	44310931	+	5.842E-30	4.4089E-28	0.252579	hyper	sig	chr11_44310931
chr7	57013108	57013108	+	5.853E-30	4.4166E-28	-0.35129	hypo	sig	chr7_57013108
chr5	1.35E+08	135028229	+	5.878E-30	4.4352E-28	0.42127	hyper	sig	chr5_135028229
chr1	3650634	3650634	+	5.887E-30	4.4416E-28	0.292548	hyper	sig	chr1_3650634
chr2	1.27E+08	127176041	+	5.897E-30	4.4486E-28	0.305891	hyper	sig	chr2_127176041
chr8	13100632	13100632	+	5.918E-30	4.464E-28	0.348558	hyper	sig	chr8_13100632
chr6	36291389	36291389	+	5.93E-30	4.4729E-28	-0.29102	hypo	sig	chr6_36291389
chr16	81457707	81457707	+	5.932E-30	4.474E-28	-0.3275	hypo	sig	chr16_81457707
chr19	21475177	21475177	+	5.972E-30	4.5035E-28	0.313863	hyper	sig	chr19_21475177
chr17	80942729	80942729	+	5.975E-30	4.5053E-28	0.44395	hyper	sig	chr17_80942729
chr5	1.42E+08	141512716	+	5.983E-30	4.511E-28	0.469208	hyper	sig	chr5_141512716
chr15	40927082	40927082	+	5.994E-30	4.519E-28	-0.27284	hypo	sig	chr15_40927082
chr22	36324134	36324134	+	5.996E-30	4.5193E-28	0.361502	hyper	sig	chr22_36324134
chr7	32070563	32070563	+	5.995E-30	4.5193E-28	0.356402	hyper	sig	chr7_32070563
chr14	26597452	26597452	+	5.998E-30	4.521E-28	0.307747	hyper	sig	chr14_26597452
chr13	1.11E+08	110506467	+	6.003E-30	4.5244E-28	-0.41423	hypo	sig	chr13_110506467
chr18	79480611	79480611	+	6.004E-30	4.5245E-28	0.320024	hyper	sig	chr18_79480611
chr16	86511097	86511097	+	6.02E-30	4.5358E-28	0.297072	hyper	sig	chr16_86511097
chr6	30172382	30172382	+	6.04E-30	4.5509E-28	0.334532	hyper	sig	chr6_30172382
chr3	1.93E+08	192514288	+	6.055E-30	4.5614E-28	0.346484	hyper	sig	chr3_192514288
chr13	1.13E+08	113109854	+	6.061E-30	4.5658E-28	0.489765	hyper	sig	chr13_113109854
chr12	6620577	6620577	+	6.068E-30	4.5705E-28	0.341506	hyper	sig	chr12_6620577
chr13	87674360	87674360	+	6.091E-30	4.5867E-28	0.29311	hyper	sig	chr13_87674360
chr2	45759468	45759468	+	6.09E-30	4.5867E-28	0.381041	hyper	sig	chr2_45759468
chr12	53939373	53939373	+	6.095E-30	4.5894E-28	0.340948	hyper	sig	chr12_53939373
chr3	27723839	27723839	+	6.114E-30	4.6038E-28	0.365589	hyper	sig	chr3_27723839

chr5	88690094	88690094	+	6.149E-30	4.6292E-28	0.245489	hyper	sig	chr5_88690094
chr6	1.68E+08	168180849	+	6.152E-30	4.6309E-28	-0.39529	hypo	sig	chr6_168180849
chr15	82680965	82680965	+	6.155E-30	4.6329E-28	0.293938	hyper	sig	chr15_82680965
chr1	1.44E+08	143654956	+	6.223E-30	4.6841E-28	0.378966	hyper	sig	chr1_143654956
chr1	90724616	90724616	+	6.225E-30	4.6852E-28	0.336259	hyper	sig	chr1_90724616
chr13	27823080	27823080	+	6.3E-30	4.7411E-28	0.266986	hyper	sig	chr13_27823080
chr1	1.19E+08	119000454	+	6.313E-30	4.7504E-28	0.347873	hyper	sig	chr1_119000454
chr16	49884308	49884308	+	6.316E-30	4.7523E-28	-0.37027	hypo	sig	chr16_49884308
chr3	1.8E+08	180037456	+	6.341E-30	4.7703E-28	0.412488	hyper	sig	chr3_180037456
chr5	1.41E+08	141121729	+	6.349E-30	4.7756E-28	0.332811	hyper	sig	chr5_141121729
chr8	23707157	23707157	+	6.361E-30	4.7849E-28	0.30554	hyper	sig	chr8_23707157
chr15	83206900	83206900	+	6.367E-30	4.7888E-28	0.229571	hyper	sig	chr15_83206900
chr5	1.59E+08	159104576	+	6.375E-30	4.7939E-28	0.407013	hyper	sig	chr5_159104576
chr2	80302865	80302865	+	6.378E-30	4.796E-28	0.288627	hyper	sig	chr2_80302865
chr2	2.41E+08	240617266	+	6.379E-30	4.7966E-28	-0.37867	hypo	sig	chr2_240617266
chr11	364639	364639	+	6.391E-30	4.8048E-28	-0.31444	hypo	sig	chr11_364639
chr2	5691062	5691062	+	6.398E-30	4.81E-28	0.311696	hyper	sig	chr2_5691062
chr7	93043483	93043483	+	6.401E-30	4.8117E-28	0.354191	hyper	sig	chr7_93043483
chr2	44928649	44928649	+	6.407E-30	4.8153E-28	0.30022	hyper	sig	chr2_44928649
chr16	1169526	1169526	+	6.423E-30	4.8273E-28	0.424216	hyper	sig	chr16_1169526
chr7	1.46E+08	146116422	+	6.43E-30	4.8321E-28	0.285997	hyper	sig	chr7_146116422
chr13	53200983	53200983	+	6.436E-30	4.8358E-28	0.34304	hyper	sig	chr13_53200983
chr16	51151496	51151496	+	6.442E-30	4.8397E-28	0.279184	hyper	sig	chr16_51151496
chr1	1.01E+08	100557506	+	6.455E-30	4.8495E-28	-0.32255	hypo	sig	chr1_100557506
chr10	1.28E+08	127737744	+	6.47E-30	4.8603E-28	0.324268	hyper	sig	chr10_127737744
chr11	2140671	2140671	+	6.502E-30	4.8833E-28	0.323432	hyper	sig	chr11_2140671
chr11	624457	624457	+	6.504E-30	4.8847E-28	-0.33088	hypo	sig	chr11_624457
chr17	1137759	1137759	+	6.515E-30	4.8921E-28	-0.33846	hypo	sig	chr17_1137759
chr21	36710313	36710313	+	6.531E-30	4.9041E-28	0.279587	hyper	sig	chr21_36710313
chr5	1.41E+08	141421212	+	6.533E-30	4.905E-28	0.368039	hyper	sig	chr5_141421212
chr7	8441149	8441149	+	6.535E-30	4.9057E-28	0.280254	hyper	sig	chr7_8441149
chr5	1.16E+08	115818947	+	6.549E-30	4.9159E-28	-0.43026	hypo	sig	chr5_115818947
chr20	63628470	63628470	+	6.554E-30	4.9194E-28	-0.25729	hypo	sig	chr20_63628470
chr5	1.71E+08	171316560	+	6.561E-30	4.9243E-28	0.333973	hyper	sig	chr5_171316560
chr1	2.08E+08	207669896	+	6.563E-30	4.9249E-28	0.312867	hyper	sig	chr1_207669896
chr16	51153625	51153625	+	6.569E-30	4.929E-28	0.346316	hyper	sig	chr16_51153625
chr15	59995002	59995002	+	6.57E-30	4.9294E-28	0.259324	hyper	sig	chr15_59995002
chr11	20669835	20669835	+	6.576E-30	4.9338E-28	0.434094	hyper	sig	chr11_20669835
chr19	23070599	23070599	+	6.584E-30	4.9387E-28	0.375964	hyper	sig	chr19_23070599
chr8	38450909	38450909	+	6.605E-30	4.9545E-28	0.348199	hyper	sig	chr8_38450909
chr8	24914681	24914681	+	6.649E-30	4.9865E-28	0.331505	hyper	sig	chr8_24914681
chr1	1.44E+08	143661625	+	6.663E-30	4.9967E-28	0.419329	hyper	sig	chr1_143661625
chr2	5693011	5693011	+	6.672E-30	5.0034E-28	0.351297	hyper	sig	chr2_5693011
chr19	43774336	43774336	+	6.677E-30	5.0064E-28	0.443833	hyper	sig	chr19_43774336
chr2	2.39E+08	239275502	+	6.716E-30	5.0352E-28	-0.38693	hypo	sig	chr2_239275502
chr6	1.68E+08	167824714	+	6.732E-30	5.0467E-28	0.27615	hyper	sig	chr6_167824714
chr7	85186236	85186236	+	6.756E-30	5.0639E-28	0.3619	hyper	sig	chr7_85186236
chr2	2.32E+08	232486260	+	6.777E-30	5.0794E-28	0.315254	hyper	sig	chr2_232486260
chr6	1.1E+08	110357689	+	6.783E-30	5.0836E-28	0.366264	hyper	sig	chr6_110357689
chr10	49612558	49612558	+	6.799E-30	5.0952E-28	0.408528	hyper	sig	chr10_49612558
chr6	29558795	29558795	+	6.813E-30	5.1051E-28	-0.30358	hypo	sig	chr6_29558795
chr17	49964535	49964535	+	6.835E-30	5.1214E-28	0.425087	hyper	sig	chr17_49964535
chr10	1.33E+08	133226524	+	6.837E-30	5.1222E-28	-0.42345	hypo	sig	chr10_133226524
chr13	52845467	52845467	+	6.839E-30	5.1233E-28	0.364447	hyper	sig	chr13_52845467
chr9	1.36E+08	136334519	+	6.862E-30	5.14E-28	-0.39732	hypo	sig	chr9_136334519
chr6	589303	589303	+	6.88E-30	5.1528E-28	0.237043	hyper	sig	chr6_589303

chr7	55018449	55018449	+	6.887E-30	5.1579E-28	0.284634	hyper	sig	chr7_55018449
chr1	19816092	19816092	+	6.893E-30	5.1616E-28	-0.34569	hypo	sig	chr1_19816092
chr7	1747532	1747532	+	6.913E-30	5.1765E-28	-0.38608	hypo	sig	chr7_1747532
chr1	44407958	44407958	+	6.917E-30	5.1788E-28	0.328099	hyper	sig	chr1_44407958
chr6	26743500	26743500	+	6.919E-30	5.1799E-28	0.360323	hyper	sig	chr6_26743500
chr7	19772975	19772975	+	6.931E-30	5.1884E-28	0.256865	hyper	sig	chr7_19772975
chr2	2.41E+08	240520127	+	6.935E-30	5.1905E-28	0.388175	hyper	sig	chr2_240520127
chr6	36858935	36858935	+	6.991E-30	5.2321E-28	0.312826	hyper	sig	chr6_36858935
chr16	3189253	3189253	+	6.997E-30	5.2361E-28	0.316977	hyper	sig	chr16_3189253
chr5	1.75E+08	174731651	+	7.011E-30	5.2466E-28	0.397143	hyper	sig	chr5_174731651
chr8	1.45E+08	144714111	+	7.015E-30	5.2486E-28	0.418941	hyper	sig	chr8_144714111
chr3	1.39E+08	138939813	+	7.04E-30	5.2669E-28	0.300584	hyper	sig	chr3_138939813
chr1	3217598	3217598	+	7.052E-30	5.2758E-28	0.32281	hyper	sig	chr1_3217598
chr10	49609181	49609181	+	7.053E-30	5.2759E-28	0.359541	hyper	sig	chr10_49609181
chr2	44932959	44932959	+	7.069E-30	5.2873E-28	0.427366	hyper	sig	chr2_44932959
chr13	93227356	93227356	+	7.114E-30	5.3206E-28	0.340275	hyper	sig	chr13_93227356
chr12	57632429	57632429	+	7.118E-30	5.3225E-28	0.283971	hyper	sig	chr12_57632429
chr3	1.26E+08	125972133	+	7.126E-30	5.3282E-28	0.26761	hyper	sig	chr3_125972133
chr6	1.17E+08	116765847	+	7.126E-30	5.3282E-28	0.2475	hyper	sig	chr6_116765847
chr19	38975295	38975295	+	7.128E-30	5.3287E-28	0.330111	hyper	sig	chr19_38975295
chr10	1.28E+08	128047441	+	7.129E-30	5.329E-28	-0.31195	hypo	sig	chr10_128047441
chr12	1.13E+08	112575724	+	7.138E-30	5.3351E-28	0.325542	hyper	sig	chr12_112575724
chr1	2892306	2892306	+	7.139E-30	5.3358E-28	0.34098	hyper	sig	chr1_2892306
chr6	10887373	10887373	+	7.153E-30	5.3458E-28	0.332991	hyper	sig	chr6_10887373
chr1	1.12E+08	111987716	+	7.167E-30	5.3555E-28	0.289449	hyper	sig	chr1_111987716
chr2	27736030	27736030	+	7.22E-30	5.3944E-28	-0.30214	hypo	sig	chr2_27736030
chr19	46413305	46413305	+	7.231E-30	5.4021E-28	0.236475	hyper	sig	chr19_46413305
chr5	1.41E+08	141389423	+	7.239E-30	5.4076E-28	0.315095	hyper	sig	chr5_141389423
chr7	1.57E+08	157020247	+	7.249E-30	5.4146E-28	0.310371	hyper	sig	chr7_157020247
chr17	82297589	82297589	+	7.251E-30	5.415E-28	-0.21627	hypo	sig	chr17_82297589
chr13	52849957	52849957	+	7.258E-30	5.4203E-28	0.34348	hyper	sig	chr13_52849957
chr1	90724727	90724727	+	7.261E-30	5.4213E-28	0.276985	hyper	sig	chr1_90724727
chr2	1.13E+08	113275924	+	7.261E-30	5.4213E-28	0.342648	hyper	sig	chr2_113275924
chr1	58250684	58250684	+	7.267E-30	5.4249E-28	0.330408	hyper	sig	chr1_58250684
chr3	32819061	32819061	+	7.277E-30	5.4323E-28	0.354191	hyper	sig	chr3_32819061
chr8	64370752	64370752	+	7.293E-30	5.444E-28	0.320082	hyper	sig	chr8_64370752
chr19	57682730	57682730	+	7.307E-30	5.4536E-28	0.303631	hyper	sig	chr19_57682730
chr15	83206934	83206934	+	7.317E-30	5.4607E-28	0.228736	hyper	sig	chr15_83206934
chr12	1.2E+08	119804120	+	7.361E-30	5.493E-28	0.372643	hyper	sig	chr12_119804120
chr12	57632421	57632421	+	7.363E-30	5.4938E-28	0.282512	hyper	sig	chr12_57632421
chr7	1.21E+08	120989631	+	7.38E-30	5.5059E-28	0.339108	hyper	sig	chr7_120989631
chr3	1.43E+08	143135345	+	7.388E-30	5.5119E-28	-0.38029	hypo	sig	chr3_143135345
chr15	83651156	83651156	+	7.397E-30	5.516E-28	-0.45042	hypo	sig	chr15_83651156
chr5	14387115	14387115	+	7.397E-30	5.516E-28	0.350748	hyper	sig	chr5_14387115
chr7	2116264	2116264	+	7.397E-30	5.516E-28	0.261159	hyper	sig	chr7_2116264
chr13	1.12E+08	112450353	+	7.4E-30	5.5176E-28	-0.31172	hypo	sig	chr13_112450353
chr10	55628236	55628236	+	7.404E-30	5.5204E-28	0.315528	hyper	sig	chr10_55628236
chr10	1.01E+08	101228187	+	7.408E-30	5.5232E-28	0.295285	hyper	sig	chr10_101228187
chr9	14993517	14993517	+	7.413E-30	5.5259E-28	0.338838	hyper	sig	chr9_14993517
chr4	95548414	95548414	+	7.463E-30	5.5629E-28	0.234246	hyper	sig	chr4_95548414
chr20	46059082	46059082	+	7.492E-30	5.5841E-28	0.484039	hyper	sig	chr20_46059082
chr17	36946059	36946059	+	7.498E-30	5.5879E-28	0.322082	hyper	sig	chr17_36946059
chr6	50836436	50836436	+	7.505E-30	5.593E-28	0.294904	hyper	sig	chr6_50836436
chr16	54290305	54290305	+	7.513E-30	5.5983E-28	0.34304	hyper	sig	chr16_54290305
chr2	44937634	44937634	+	7.523E-30	5.6051E-28	0.327393	hyper	sig	chr2_44937634
chr10	1.33E+08	132940866	+	7.524E-30	5.6054E-28	-0.38993	hypo	sig	chr10_132940866

chr7	8443744	8443744	+	7.537E-30	5.6144E-28	0.352727	hyper	sig	chr7_8443744
chr2	1.15E+08	115163188	+	7.556E-30	5.6278E-28	0.323096	hyper	sig	chr2_115163188
chr2	1.82E+08	181682621	+	7.558E-30	5.6287E-28	0.435411	hyper	sig	chr2_181682621
chr6	1E+08	100447362	+	7.558E-30	5.6287E-28	0.341709	hyper	sig	chr6_100447362
chr1	2.37E+08	237043182	+	7.565E-30	5.6336E-28	0.409382	hyper	sig	chr1_237043182
chr19	35558490	35558490	+	7.577E-30	5.6419E-28	0.364227	hyper	sig	chr19_35558490
chr12	1500275	1500275	+	7.609E-30	5.6651E-28	-0.33518	hypo	sig	chr12_1500275
chr14	99512240	99512240	+	7.61E-30	5.6651E-28	0.254142	hyper	sig	chr14_99512240
chr19	57351074	57351074	+	7.617E-30	5.6695E-28	0.245916	hyper	sig	chr19_57351074
chr2	1.08E+08	107985905	+	7.621E-30	5.6727E-28	-0.40184	hypo	sig	chr2_107985905
chr2	1.19E+08	118858422	+	7.642E-30	5.6876E-28	0.392454	hyper	sig	chr2_118858422
chr17	19745659	19745659	+	7.656E-30	5.697E-28	-0.3096	hypo	sig	chr17_19745659
chr6	71420929	71420929	+	7.659E-30	5.6991E-28	0.316758	hyper	sig	chr6_71420929
chr19	37252054	37252054	+	7.699E-30	5.7283E-28	0.34747	hyper	sig	chr19_37252054
chr2	45004750	45004750	+	7.705E-30	5.7321E-28	0.298167	hyper	sig	chr2_45004750
chr3	1.5E+08	149969243	+	7.708E-30	5.7337E-28	0.484739	hyper	sig	chr3_149969243
chr1	6273736	6273736	+	7.743E-30	5.7592E-28	-0.34895	hypo	sig	chr1_6273736
chr7	923118	923118	+	7.762E-30	5.7729E-28	-0.25268	hypo	sig	chr7_923118
chr3	1.65E+08	165195830	+	7.764E-30	5.774E-28	0.298877	hyper	sig	chr3_165195830
chr17	2796211	2796211	+	7.772E-30	5.7797E-28	-0.23384	hypo	sig	chr17_2796211
chr10	23191308	23191308	+	7.791E-30	5.7928E-28	0.298289	hyper	sig	chr10_23191308
chr10	1.33E+08	133229988	+	7.795E-30	5.7951E-28	0.268994	hyper	sig	chr10_133229988
chr4	1.56E+08	155760218	+	7.825E-30	5.8173E-28	0.222267	hyper	sig	chr4_155760218
chr8	1.41E+08	141245322	+	7.84E-30	5.8275E-28	-0.23385	hypo	sig	chr8_141245322
chr7	1753142	1753142	+	7.855E-30	5.8383E-28	-0.37503	hypo	sig	chr7_1753142
chr12	24951864	24951864	+	7.857E-30	5.8394E-28	-0.36466	hypo	sig	chr12_24951864
chr1	58250634	58250634	+	7.878E-30	5.8546E-28	0.290325	hyper	sig	chr1_58250634
chr6	32072167	32072167	+	7.887E-30	5.8609E-28	-0.31605	hypo	sig	chr6_32072167
chr6	37648975	37648975	+	7.907E-30	5.8751E-28	0.413718	hyper	sig	chr6_37648975
chr8	56447379	56447379	+	7.924E-30	5.8873E-28	0.344247	hyper	sig	chr8_56447379
chr18	21242969	21242969	+	7.942E-30	5.9E-28	0.347772	hyper	sig	chr18_21242969
chr6	41638710	41638710	+	7.954E-30	5.9084E-28	0.323116	hyper	sig	chr6_41638710
chr11	31802728	31802728	+	7.965E-30	5.9158E-28	0.36417	hyper	sig	chr11_31802728
chr1	65792191	65792191	+	7.988E-30	5.9321E-28	0.351813	hyper	sig	chr1_65792191
chr11	22432911	22432911	+	7.989E-30	5.9327E-28	0.351136	hyper	sig	chr11_22432911
chr19	15281112	15281112	+	8.004E-30	5.9435E-28	0.316872	hyper	sig	chr19_15281112
chr7	1.55E+08	155462494	+	8.008E-30	5.9456E-28	0.344906	hyper	sig	chr7_155462494
chr16	86495386	86495386	+	8.009E-30	5.9456E-28	0.38449	hyper	sig	chr16_86495386
chr20	885311	885311	+	8.013E-30	5.9484E-28	0.257888	hyper	sig	chr20_885311
chr11	69818980	69818980	+	8.023E-30	5.9546E-28	0.318419	hyper	sig	chr11_69818980
chr12	1.25E+08	124608658	+	8.023E-30	5.9546E-28	-0.34961	hypo	sig	chr12_124608658
chr2	1.61E+08	161427468	+	8.031E-30	5.9601E-28	0.33789	hyper	sig	chr2_161427468
chr6	32053513	32053513	+	8.04E-30	5.9661E-28	-0.35194	hypo	sig	chr6_32053513
chr1	1.44E+08	143652964	+	8.097E-30	6.0081E-28	0.365566	hyper	sig	chr1_143652964
chr4	54232159	54232159	+	8.133E-30	6.0339E-28	0.367938	hyper	sig	chr4_54232159
chr5	777375	777375	+	8.16E-30	6.0537E-28	0.297221	hyper	sig	chr5_777375
chr12	85280330	85280330	+	8.178E-30	6.066E-28	0.2541	hyper	sig	chr12_85280330
chr7	99392244	99392244	+	8.206E-30	6.0867E-28	-0.32245	hypo	sig	chr7_99392244
chr5	55221044	55221044	+	8.219E-30	6.0954E-28	0.335372	hyper	sig	chr5_55221044
chr16	29785422	29785422	+	8.225E-30	6.0998E-28	0.317601	hyper	sig	chr16_29785422
chr11	68370871	68370871	+	8.242E-30	6.1105E-28	0.350702	hyper	sig	chr11_68370871
chr15	99118134	99118134	+	8.241E-30	6.1105E-28	0.307572	hyper	sig	chr15_99118134
chr20	56344236	56344236	+	8.242E-30	6.1105E-28	0.322702	hyper	sig	chr20_56344236
chr8	96159781	96159781	+	8.25E-30	6.1155E-28	0.335139	hyper	sig	chr8_96159781
chr7	69599882	69599882	+	8.254E-30	6.118E-28	0.355331	hyper	sig	chr7_69599882
chr8	84183088	84183088	+	8.288E-30	6.1429E-28	0.396488	hyper	sig	chr8_84183088

chr1	2.36E+08	236065490	+	8.311E-30	6.1593E-28	0.307321	hyper	sig	chr1_236065490
chr14	99512308	99512308	+	8.348E-30	6.1862E-28	0.419272	hyper	sig	chr14_99512308
chr19	21852019	21852019	+	8.371E-30	6.2028E-28	0.211206	hyper	sig	chr19_21852019
chr6	84775124	84775124	+	8.386E-30	6.213E-28	0.358296	hyper	sig	chr6_84775124
chr6	29627239	29627239	+	8.387E-30	6.2132E-28	0.387042	hyper	sig	chr6_29627239
chr5	63962020	63962020	+	8.398E-30	6.2214E-28	0.315017	hyper	sig	chr5_63962020
chr5	37838461	37838461	+	8.446E-30	6.2558E-28	0.282378	hyper	sig	chr5_37838461
chr19	58204651	58204651	+	8.464E-30	6.2684E-28	0.323465	hyper	sig	chr19_58204651
chr1	18632858	18632858	+	8.478E-30	6.2787E-28	0.326495	hyper	sig	chr1_18632858
chr1	38578500	38578500	+	8.507E-30	6.2997E-28	0.283533	hyper	sig	chr1_38578500
chr6	28634965	28634965	+	8.542E-30	6.3245E-28	0.270185	hyper	sig	chr6_28634965
chr19	44448580	44448580	+	8.543E-30	6.3251E-28	0.265339	hyper	sig	chr19_44448580
chr8	96160268	96160268	+	8.561E-30	6.3379E-28	0.329181	hyper	sig	chr8_96160268
chr8	64578725	64578725	+	8.564E-30	6.339E-28	0.358174	hyper	sig	chr8_64578725
chr9	10613402	10613402	+	8.577E-30	6.3485E-28	0.317563	hyper	sig	chr9_10613402
chr5	1.29E+08	128538023	+	8.588E-30	6.3556E-28	0.353273	hyper	sig	chr5_128538023
chr10	86263074	86263074	+	8.59E-30	6.3568E-28	0.328993	hyper	sig	chr10_86263074
chr19	19514600	19514600	+	8.592E-30	6.3575E-28	0.370245	hyper	sig	chr19_19514600
chr20	34547000	34547000	+	8.601E-30	6.3638E-28	-0.36931	hypo	sig	chr20_34547000
chr14	36663559	36663559	+	8.627E-30	6.3826E-28	0.313792	hyper	sig	chr14_36663559
chr4	1.72E+08	171813157	+	8.649E-30	6.3984E-28	0.24886	hyper	sig	chr4_171813157
chr6	50723290	50723290	+	8.652E-30	6.3995E-28	0.335253	hyper	sig	chr6_50723290
chr7	27102836	27102836	+	8.652E-30	6.3995E-28	0.339088	hyper	sig	chr7_27102836
chr2	71468208	71468208	+	8.658E-30	6.4029E-28	-0.30297	hypo	sig	chr2_71468208
chr6	32062247	32062247	+	8.677E-30	6.4162E-28	-0.26383	hypo	sig	chr6_32062247
chr7	54542256	54542256	+	8.677E-30	6.4163E-28	0.317068	hyper	sig	chr7_54542256
chr2	2.39E+08	239309216	+	8.71E-30	6.4395E-28	0.334305	hyper	sig	chr2_239309216
chr2	1.32E+08	132257125	+	8.75E-30	6.4689E-28	0.335977	hyper	sig	chr2_132257125
chr8	64578672	64578672	+	8.755E-30	6.4722E-28	0.352407	hyper	sig	chr8_64578672
chr16	89048218	89048218	+	8.763E-30	6.4769E-28	0.304824	hyper	sig	chr16_89048218
chr17	48725198	48725198	+	8.763E-30	6.4769E-28	0.268941	hyper	sig	chr17_48725198
chr6	33125332	33125332	+	8.771E-30	6.4816E-28	-0.29841	hypo	sig	chr6_33125332
chr19	58118611	58118611	+	8.792E-30	6.4966E-28	0.390084	hyper	sig	chr19_58118611
chr10	99232390	99232390	+	8.824E-30	6.5198E-28	0.250175	hyper	sig	chr10_99232390
chr22	41699343	41699343	+	8.84E-30	6.5312E-28	0.306087	hyper	sig	chr22_41699343
chr4	1.85E+08	185018899	+	8.856E-30	6.5425E-28	0.31639	hyper	sig	chr4_185018899
chr14	96285894	96285894	+	8.894E-30	6.5696E-28	0.228403	hyper	sig	chr14_96285894
chr3	1.54E+08	154428021	+	8.932E-30	6.5976E-28	0.330648	hyper	sig	chr3_154428021
chr2	9103012	9103012	+	8.957E-30	6.6153E-28	-0.35255	hypo	sig	chr2_9103012
chr8	96498331	96498331	+	8.972E-30	6.6259E-28	-0.30525	hypo	sig	chr8_96498331
chr13	1.08E+08	107868002	+	8.981E-30	6.6316E-28	0.247311	hyper	sig	chr13_107868002
chr11	31818242	31818242	+	8.998E-30	6.6438E-28	0.386188	hyper	sig	chr11_31818242
chr19	13002050	13002050	+	9.017E-30	6.6571E-28	0.386378	hyper	sig	chr19_13002050
chr6	29792170	29792170	+	9.018E-30	6.6572E-28	0.33519	hyper	sig	chr6_29792170
chr4	1.51E+08	150582993	+	9.044E-30	6.6756E-28	0.387972	hyper	sig	chr4_150582993
chr2	2.38E+08	238231696	+	9.057E-30	6.6851E-28	0.234543	hyper	sig	chr2_238231696
chr6	62286683	62286683	+	9.073E-30	6.6958E-28	0.439829	hyper	sig	chr6_62286683
chr2	1654378	1654378	+	9.081E-30	6.7013E-28	-0.44017	hypo	sig	chr2_1654378
chr20	40690626	40690626	+	9.102E-30	6.7158E-28	0.304195	hyper	sig	chr20_40690626
chr13	1.14E+08	113533774	+	9.136E-30	6.7408E-28	0.30679	hyper	sig	chr13_113533774
chr7	4267818	4267818	+	9.137E-30	6.7408E-28	0.24946	hyper	sig	chr7_4267818
chr2	3282588	3282588	+	9.144E-30	6.7453E-28	0.310165	hyper	sig	chr2_3282588
chr20	24470806	24470806	+	9.15E-30	6.7494E-28	0.320336	hyper	sig	chr20_24470806
chr11	20208040	20208040	+	9.155E-30	6.7525E-28	0.345005	hyper	sig	chr11_20208040
chr6	1.27E+08	127119886	+	9.166E-30	6.76E-28	0.260678	hyper	sig	chr6_127119886
chr8	1.41E+08	141287521	+	9.198E-30	6.783E-28	-0.35448	hypo	sig	chr8_141287521

chr7	1.5E+08	150048255	+	9.223E-30	6.8003E-28	0.360054	hyper	sig	chr7_150048255
chr7	47763548	47763548	+	9.225E-30	6.8016E-28	-0.37821	hypo	sig	chr7_47763548
chr5	1.69E+08	168529906	+	9.242E-30	6.8136E-28	0.342323	hyper	sig	chr5_168529906
chr3	27723300	27723300	+	9.314E-30	6.8654E-28	0.297295	hyper	sig	chr3_27723300
chr8	56113322	56113322	+	9.329E-30	6.8763E-28	0.336562	hyper	sig	chr8_56113322
chr11	31800754	31800754	+	9.348E-30	6.8892E-28	0.290309	hyper	sig	chr11_31800754
chr6	83853169	83853169	+	9.372E-30	6.9064E-28	0.274304	hyper	sig	chr6_83853169
chr1	1.62E+08	161525158	+	9.386E-30	6.9159E-28	0.264668	hyper	sig	chr1_161525158
chr7	1.56E+08	155961936	+	9.392E-30	6.9203E-28	-0.38114	hypo	sig	chr7_155961936
chr9	971508	971508	+	9.4E-30	6.9253E-28	0.409437	hyper	sig	chr9_971508
chr7	1.22E+08	122310238	+	9.401E-30	6.9253E-28	0.303687	hyper	sig	chr7_122310238
chr14	53938638	53938638	+	9.407E-30	6.9291E-28	-0.387	hypo	sig	chr14_53938638
chr12	53973046	53973046	+	9.436E-30	6.9496E-28	0.322556	hyper	sig	chr12_53973046
chr12	1.23E+08	123269740	+	9.438E-30	6.9505E-28	0.390543	hyper	sig	chr12_123269740
chr16	86513969	86513969	+	9.442E-30	6.9529E-28	0.40982	hyper	sig	chr16_86513969
chr6	1.27E+08	127119328	+	9.457E-30	6.9637E-28	0.346638	hyper	sig	chr6_127119328
chr13	52849780	52849780	+	9.478E-30	6.9782E-28	0.372	hyper	sig	chr13_52849780
chr17	5097506	5097506	+	9.494E-30	6.9897E-28	0.311556	hyper	sig	chr17_5097506
chr1	3067933	3067933	+	9.508E-30	6.9994E-28	0.284927	hyper	sig	chr1_3067933
chr18	10589169	10589169	+	9.516E-30	7.0041E-28	-0.36108	hypo	sig	chr18_10589169
chr10	1.32E+08	132485093	+	9.52E-30	7.0059E-28	-0.23634	hypo	sig	chr10_132485093
chr6	30685951	30685951	+	9.538E-30	7.0189E-28	0.296966	hyper	sig	chr6_30685951
chr4	1.51E+08	150583013	+	9.542E-30	7.0212E-28	0.373865	hyper	sig	chr4_150583013
chr20	46174976	46174976	+	9.555E-30	7.0297E-28	0.376958	hyper	sig	chr20_46174976
chr10	1.01E+08	100519897	+	9.557E-30	7.0311E-28	0.394495	hyper	sig	chr10_100519897
chr20	46513644	46513644	+	9.58E-30	7.047E-28	0.288048	hyper	sig	chr20_46513644
chr2	5691071	5691071	+	9.588E-30	7.0524E-28	0.313037	hyper	sig	chr2_5691071
chr16	85845389	85845389	+	9.595E-30	7.0568E-28	0.385905	hyper	sig	chr16_85845389
chr10	50024981	50024981	+	9.619E-30	7.0736E-28	0.310611	hyper	sig	chr10_50024981
chr2	2.18E+08	217943942	+	9.62E-30	7.0739E-28	0.267297	hyper	sig	chr2_217943942
chr7	1.51E+08	151408952	+	9.651E-30	7.0963E-28	-0.30602	hypo	sig	chr7_151408952
chr8	54466708	54466708	+	9.652E-30	7.0965E-28	0.330911	hyper	sig	chr8_54466708
chr12	53938230	53938230	+	9.661E-30	7.1019E-28	0.323951	hyper	sig	chr12_53938230
chr7	1.04E+08	104328998	+	9.663E-30	7.1031E-28	0.240456	hyper	sig	chr7_104328998
chr4	1.74E+08	173527554	+	9.678E-30	7.1137E-28	0.359348	hyper	sig	chr4_173527554
chr17	35345931	35345931	+	9.707E-30	7.1339E-28	0.244299	hyper	sig	chr17_35345931
chr11	64759706	64759706	+	9.709E-30	7.1346E-28	0.352648	hyper	sig	chr11_64759706
chr7	5349620	5349620	+	9.717E-30	7.1403E-28	0.325065	hyper	sig	chr7_5349620
chr19	22634283	22634283	+	9.747E-30	7.1616E-28	0.279242	hyper	sig	chr19_22634283
chr6	1.68E+08	168342913	+	9.755E-30	7.167E-28	-0.38925	hypo	sig	chr6_168342913
chr4	1194832	1194832	+	9.766E-30	7.174E-28	0.402296	hyper	sig	chr4_1194832
chr6	1.5E+08	150072394	+	9.773E-30	7.179E-28	-0.31463	hypo	sig	chr6_150072394
chr1	1.59E+08	159188649	+	9.781E-30	7.183E-28	0.298706	hyper	sig	chr1_159188649
chr7	15687841	15687841	+	9.78E-30	7.183E-28	0.264893	hyper	sig	chr7_15687841
chr7	27107971	27107971	+	9.793E-30	7.1913E-28	0.356242	hyper	sig	chr7_27107971
chr3	1.92E+08	192408836	+	9.809E-30	7.2018E-28	0.328052	hyper	sig	chr3_192408836
chr5	33936114	33936114	+	9.809E-30	7.2018E-28	0.288883	hyper	sig	chr5_33936114
chr13	25097189	25097189	+	9.827E-30	7.2141E-28	-0.38172	hypo	sig	chr13_25097189
chr20	24470882	24470882	+	9.828E-30	7.2147E-28	0.30405	hyper	sig	chr20_24470882
chr12	59599981	59599981	+	9.849E-30	7.229E-28	-0.31022	hypo	sig	chr12_59599981
chr11	2533180	2533180	+	9.855E-30	7.2326E-28	0.32148	hyper	sig	chr11_2533180
chr4	1.51E+08	150582394	+	9.904E-30	7.2685E-28	0.373	hyper	sig	chr4_150582394
chr6	39043242	39043242	+	9.923E-30	7.2816E-28	-0.34937	hypo	sig	chr6_39043242
chr2	44932807	44932807	+	9.948E-30	7.299E-28	0.431121	hyper	sig	chr2_44932807
chr12	57727744	57727744	+	9.957E-30	7.3049E-28	0.404634	hyper	sig	chr12_57727744
chr13	94758146	94758146	+	9.967E-30	7.3116E-28	-0.35914	hypo	sig	chr13_94758146

chr7	97022220	97022220	+	9.969E-30	7.3124E-28	0.345505	hyper	sig	chr7_97022220
chr5	1.73E+08	172748661	+	9.974E-30	7.3155E-28	0.399551	hyper	sig	chr5_172748661
chr5	1.71E+08	171317056	+	9.987E-30	7.3242E-28	0.341449	hyper	sig	chr5_171317056
chr2	2.38E+08	237886713	+	1.003E-29	7.3533E-28	0.401382	hyper	sig	chr2_237886713
chr1	1.47E+08	147078913	+	1.004E-29	7.3632E-28	0.326984	hyper	sig	chr1_147078913
chr9	1.3E+08	129620709	+	1.007E-29	7.3842E-28	0.364399	hyper	sig	chr9_129620709
chr19	5294151	5294151	+	1.008E-29	7.3894E-28	0.337651	hyper	sig	chr19_5294151
chr13	52848597	52848597	+	1.01E-29	7.4028E-28	0.291184	hyper	sig	chr13_52848597
chr2	467850	467850	+	1.01E-29	7.4028E-28	0.34422	hyper	sig	chr2_467850
chr17	79952155	79952155	+	1.01E-29	7.4058E-28	0.384747	hyper	sig	chr17_79952155
chr2	74415736	74415736	+	1.013E-29	7.423E-28	0.305708	hyper	sig	chr2_74415736
chr5	1.46E+08	146340448	+	1.014E-29	7.4323E-28	0.332948	hyper	sig	chr5_146340448
chr1	1.81E+08	181483649	+	1.017E-29	7.4485E-28	0.271322	hyper	sig	chr1_181483649
chr17	19745681	19745681	+	1.024E-29	7.4994E-28	-0.30519	hypo	sig	chr17_19745681
chr12	52598161	52598161	+	1.025E-29	7.5091E-28	-0.3964	hypo	sig	chr12_52598161
chr3	1.72E+08	172448419	+	1.025E-29	7.5091E-28	0.32647	hyper	sig	chr3_172448419
chr16	51151221	51151221	+	1.025E-29	7.5108E-28	0.386203	hyper	sig	chr16_51151221
chr3	1.72E+08	172448500	+	1.027E-29	7.5202E-28	0.373283	hyper	sig	chr3_172448500
chr1	2.44E+08	243917479	+	1.027E-29	7.5223E-28	0.241942	hyper	sig	chr1_243917479
chr1	2274479	2274479	+	1.028E-29	7.526E-28	0.391864	hyper	sig	chr1_2274479
chr19	55087421	55087421	+	1.028E-29	7.5269E-28	0.331228	hyper	sig	chr19_55087421
chr5	1.38E+08	138139011	+	1.031E-29	7.5499E-28	0.355006	hyper	sig	chr5_138139011
chr1	1.64E+08	164321022	+	1.031E-29	7.55E-28	0.257882	hyper	sig	chr1_164321022
chr17	61477421	61477421	+	1.031E-29	7.55E-28	0.362369	hyper	sig	chr17_61477421
chr5	3590706	3590706	+	1.031E-29	7.55E-28	0.338902	hyper	sig	chr5_3590706
chr3	1.28E+08	128486341	+	1.032E-29	7.5541E-28	0.345812	hyper	sig	chr3_128486341
chr1	10649630	10649630	+	1.033E-29	7.5579E-28	0.408815	hyper	sig	chr1_10649630
chr8	66963150	66963150	+	1.035E-29	7.5724E-28	0.357755	hyper	sig	chr8_66963150
chr5	1.41E+08	141421324	+	1.036E-29	7.5792E-28	0.333434	hyper	sig	chr5_141421324
chr1	2.03E+08	203186671	+	1.037E-29	7.5839E-28	-0.31868	hypo	sig	chr1_203186671
chr2	1.32E+08	131528857	+	1.037E-29	7.5841E-28	0.338748	hyper	sig	chr2_131528857
chr9	1.37E+08	137030938	+	1.043E-29	7.6327E-28	-0.34494	hypo	sig	chr9_137030938
chr14	36663335	36663335	+	1.044E-29	7.6382E-28	0.282666	hyper	sig	chr14_36663335
chr6	31728952	31728952	+	1.045E-29	7.6456E-28	0.291743	hyper	sig	chr6_31728952
chr7	2922587	2922587	+	1.051E-29	7.6869E-28	-0.29689	hypo	sig	chr7_2922587
chr7	71133296	71133296	+	1.052E-29	7.6953E-28	0.390743	hyper	sig	chr7_71133296
chr14	56810509	56810509	+	1.053E-29	7.6987E-28	0.320737	hyper	sig	chr14_56810509
chr5	1.81E+08	181059652	+	1.056E-29	7.7181E-28	0.257723	hyper	sig	chr5_181059652
chr7	1761940	1761940	+	1.057E-29	7.7286E-28	-0.43171	hypo	sig	chr7_1761940
chr19	40613932	40613932	+	1.058E-29	7.7362E-28	0.298588	hyper	sig	chr19_40613932
chr13	44815913	44815913	+	1.059E-29	7.7413E-28	-0.25327	hypo	sig	chr13_44815913
chr11	17722082	17722082	+	1.06E-29	7.744E-28	0.299242	hyper	sig	chr11_17722082
chr7	4189323	4189323	+	1.062E-29	7.764E-28	0.328942	hyper	sig	chr7_4189323
chr16	89103368	89103368	+	1.066E-29	7.7919E-28	-0.33494	hypo	sig	chr16_89103368
chr20	21519372	21519372	+	1.07E-29	7.8178E-28	0.283776	hyper	sig	chr20_21519372
chr16	89370039	89370039	+	1.073E-29	7.8361E-28	0.342409	hyper	sig	chr16_89370039
chr20	40693006	40693006	+	1.077E-29	7.8685E-28	0.367559	hyper	sig	chr20_40693006
chr19	37551551	37551551	+	1.077E-29	7.8686E-28	0.305207	hyper	sig	chr19_37551551
chr10	86668618	86668618	+	1.083E-29	7.9115E-28	0.419559	hyper	sig	chr10_86668618
chr20	21713849	21713849	+	1.084E-29	7.9165E-28	0.340874	hyper	sig	chr20_21713849
chr12	4909978	4909978	+	1.084E-29	7.9172E-28	0.367319	hyper	sig	chr12_4909978
chr9	1.3E+08	129620703	+	1.085E-29	7.9245E-28	0.374426	hyper	sig	chr9_129620703
chr15	69561443	69561443	+	1.087E-29	7.9362E-28	-0.34405	hypo	sig	chr15_69561443
chr7	1.02E+08	102176049	+	1.088E-29	7.9439E-28	0.241304	hyper	sig	chr7_102176049
chr7	1.22E+08	122316752	+	1.092E-29	7.9695E-28	0.264361	hyper	sig	chr7_122316752
chr9	1.33E+08	132579858	+	1.094E-29	7.9851E-28	0.295432	hyper	sig	chr9_132579858

chr12	1.2E+08	119803457	+	1.097E-29	8.0029E-28	0.393845	hyper	sig	chr12_119803457
chr10	1.32E+08	132485080	+	1.097E-29	8.0072E-28	-0.26277	hypo	sig	chr10_132485080
chr7	1.28E+08	128104493	+	1.098E-29	8.0143E-28	0.261495	hyper	sig	chr7_128104493
chr1	1.54E+08	154408274	+	1.1E-29	8.0249E-28	0.33622	hyper	sig	chr1_154408274
chr19	17406436	17406436	+	1.102E-29	8.0369E-28	-0.34073	hypo	sig	chr19_17406436
chr19	1077217	1077217	+	1.102E-29	8.0372E-28	-0.26582	hypo	sig	chr19_1077217
chr1	2.28E+08	228322127	+	1.103E-29	8.0489E-28	-0.42343	hypo	sig	chr1_228322127
chr12	96489385	96489385	+	1.105E-29	8.0576E-28	0.20858	hyper	sig	chr12_96489385
chr7	1.02E+08	102176002	+	1.107E-29	8.0713E-28	0.306327	hyper	sig	chr7_102176002
chr4	4862776	4862776	+	1.107E-29	8.0754E-28	0.392872	hyper	sig	chr4_4862776
chr11	72013386	72013386	+	1.109E-29	8.0856E-28	0.322935	hyper	sig	chr11_72013386
chr7	1.55E+08	154913205	+	1.112E-29	8.111E-28	-0.29578	hypo	sig	chr7_154913205
chr7	97024643	97024643	+	1.113E-29	8.1177E-28	0.287316	hyper	sig	chr7_97024643
chr6	70280523	70280523	+	1.115E-29	8.1315E-28	-0.35925	hypo	sig	chr6_70280523
chr5	1.81E+08	181100423	+	1.117E-29	8.1427E-28	0.302574	hyper	sig	chr5_181100423
chr19	5851645	5851645	+	1.119E-29	8.1531E-28	-0.36855	hypo	sig	chr19_5851645
chr11	11973442	11973442	+	1.119E-29	8.1556E-28	0.420321	hyper	sig	chr11_11973442
chr16	83654925	83654925	+	1.12E-29	8.1638E-28	-0.30039	hypo	sig	chr16_83654925
chr20	25084876	25084876	+	1.122E-29	8.1782E-28	0.234846	hyper	sig	chr20_25084876
chr7	97024637	97024637	+	1.129E-29	8.2249E-28	0.285302	hyper	sig	chr7_97024637
chr10	1.32E+08	132487378	+	1.131E-29	8.2368E-28	-0.34703	hypo	sig	chr10_132487378
chr12	1.13E+08	113479612	+	1.131E-29	8.2412E-28	0.315915	hyper	sig	chr12_113479612
chr21	36708791	36708791	+	1.135E-29	8.2699E-28	0.327392	hyper	sig	chr21_36708791
chr2	2.02E+08	202171464	+	1.137E-29	8.2844E-28	0.314632	hyper	sig	chr2_202171464
chr1	15756650	15756650	+	1.138E-29	8.2859E-28	-0.2851	hypo	sig	chr1_15756650
chr19	48444378	48444378	+	1.143E-29	8.3254E-28	0.36625	hyper	sig	chr19_48444378
chr19	55087425	55087425	+	1.145E-29	8.337E-28	0.320981	hyper	sig	chr19_55087425
chr19	37551302	37551302	+	1.145E-29	8.3385E-28	0.425726	hyper	sig	chr19_37551302
chr2	2.42E+08	241945193	+	1.15E-29	8.3709E-28	-0.33659	hypo	sig	chr2_241945193
chr13	93226995	93226995	+	1.152E-29	8.3865E-28	0.435688	hyper	sig	chr13_93226995
chr11	69075549	69075549	+	1.153E-29	8.3895E-28	0.316519	hyper	sig	chr11_69075549
chr20	50729150	50729150	+	1.155E-29	8.403E-28	-0.38361	hypo	sig	chr20_50729150
chr11	57181814	57181814	+	1.155E-29	8.4053E-28	-0.40258	hypo	sig	chr11_57181814
chr2	1.82E+08	181684001	+	1.16E-29	8.4406E-28	0.312623	hyper	sig	chr2_181684001
chr1	1.8E+08	179743982	+	1.164E-29	8.4661E-28	0.344444	hyper	sig	chr1_179743982
chr15	74133993	74133993	+	1.168E-29	8.4954E-28	0.310743	hyper	sig	chr15_74133993
chr12	28759412	28759412	+	1.168E-29	8.4966E-28	-0.33839	hypo	sig	chr12_28759412
chr21	36697029	36697029	+	1.169E-29	8.5042E-28	0.368051	hyper	sig	chr21_36697029
chr13	83879735	83879735	+	1.172E-29	8.5278E-28	0.393441	hyper	sig	chr13_83879735
chr7	1.43E+08	142797364	+	1.174E-29	8.5361E-28	0.277441	hyper	sig	chr7_142797364
chr4	1.85E+08	185021003	+	1.174E-29	8.5394E-28	0.316209	hyper	sig	chr4_185021003
chr15	79091554	79091554	+	1.175E-29	8.5427E-28	0.211407	hyper	sig	chr15_79091554
chr2	44933237	44933237	+	1.178E-29	8.5618E-28	0.399574	hyper	sig	chr2_44933237
chr11	64060818	64060818	+	1.183E-29	8.6013E-28	0.318666	hyper	sig	chr11_64060818
chr9	34457464	34457464	+	1.184E-29	8.6071E-28	0.345361	hyper	sig	chr9_34457464
chr6	1391033	1391033	+	1.185E-29	8.6106E-28	0.304311	hyper	sig	chr6_1391033
chr12	1.31E+08	131446143	+	1.185E-29	8.6154E-28	0.347587	hyper	sig	chr12_131446143
chr11	628677	628677	+	1.19E-29	8.6436E-28	-0.32959	hypo	sig	chr11_628677
chr8	88328239	88328239	+	1.19E-29	8.6436E-28	0.302249	hyper	sig	chr8_88328239
chr15	45378950	45378950	+	1.194E-29	8.6729E-28	0.271942	hyper	sig	chr15_45378950
chr15	66830607	66830607	+	1.201E-29	8.7272E-28	-0.33917	hypo	sig	chr15_66830607
chr10	5660084	5660084	+	1.202E-29	8.7283E-28	-0.30538	hypo	sig	chr10_5660084
chr4	11397359	11397359	+	1.208E-29	8.7726E-28	-0.29534	hypo	sig	chr4_11397359
chr7	1.43E+08	142797284	+	1.208E-29	8.7738E-28	0.275209	hyper	sig	chr7_142797284
chr6	42727356	42727356	+	1.209E-29	8.7805E-28	0.380891	hyper	sig	chr6_42727356
chr2	4883484	4883484	+	1.211E-29	8.7948E-28	-0.33097	hypo	sig	chr2_4883484

chr6	99602905	99602905	+	1.212E-29	8.7972E-28	0.279466	hyper	sig	chr6_99602905
chr1	1.22E+08	121519669	+	1.212E-29	8.7994E-28	0.256253	hyper	sig	chr1_121519669
chr9	99369689	99369689	+	1.212E-29	8.8002E-28	-0.26859	hypo	sig	chr9_99369689
chr22	45212877	45212877	+	1.213E-29	8.8057E-28	0.421296	hyper	sig	chr22_45212877
chr12	1.32E+08	132210290	+	1.22E-29	8.8557E-28	-0.53047	hypo	sig	chr12_132210290
chr5	1.41E+08	141476770	+	1.224E-29	8.8817E-28	0.23794	hyper	sig	chr5_141476770
chr2	2.19E+08	219497181	+	1.227E-29	8.9031E-28	0.289731	hyper	sig	chr2_219497181
chr8	48683147	48683147	+	1.227E-29	8.9031E-28	-0.3262	hypo	sig	chr8_48683147
chr4	1.11E+08	110641362	+	1.23E-29	8.9247E-28	0.342746	hyper	sig	chr4_110641362
chr2	2.33E+08	233060194	+	1.23E-29	8.9257E-28	-0.39865	hypo	sig	chr2_233060194
chr5	6631694	6631694	+	1.231E-29	8.9328E-28	-0.3318	hypo	sig	chr5_6631694
chr12	52601511	52601511	+	1.232E-29	8.9397E-28	0.339249	hyper	sig	chr12_52601511
chr11	2301511	2301511	+	1.233E-29	8.9401E-28	-0.38751	hypo	sig	chr11_2301511
chr2	2.39E+08	239240295	+	1.238E-29	8.9806E-28	0.369504	hyper	sig	chr2_239240295
chr14	88326686	88326686	+	1.239E-29	8.9815E-28	0.258959	hyper	sig	chr14_88326686
chr13	1.12E+08	111893699	+	1.24E-29	8.9906E-28	0.378229	hyper	sig	chr13_111893699
chr3	48661608	48661608	+	1.241E-29	8.9969E-28	0.232678	hyper	sig	chr3_48661608
chr12	5085984	5085984	+	1.242E-29	9.0049E-28	-0.36455	hypo	sig	chr12_5085984
chr18	12041357	12041357	+	1.245E-29	9.0213E-28	-0.32799	hypo	sig	chr18_12041357
chr9	1.33E+08	132586782	+	1.245E-29	9.0235E-28	0.329779	hyper	sig	chr9_132586782
chr18	12253869	12253869	+	1.246E-29	9.0338E-28	0.321246	hyper	sig	chr18_12253869
chr20	63845170	63845170	+	1.254E-29	9.0874E-28	-0.33594	hypo	sig	chr20_63845170
chr5	1.41E+08	141339575	+	1.255E-29	9.0908E-28	0.332203	hyper	sig	chr5_141339575
chr2	1.61E+08	161427521	+	1.255E-29	9.0941E-28	0.334047	hyper	sig	chr2_161427521
chr5	37839667	37839667	+	1.257E-29	9.1059E-28	0.347298	hyper	sig	chr5_37839667
chr13	36345758	36345758	+	1.258E-29	9.1145E-28	0.316421	hyper	sig	chr13_36345758
chr17	80478237	80478237	+	1.266E-29	9.1701E-28	0.378511	hyper	sig	chr17_80478237
chr1	2.33E+08	232805460	+	1.266E-29	9.1719E-28	0.217922	hyper	sig	chr1_232805460
chr13	1.14E+08	114131246	+	1.267E-29	9.1785E-28	0.29647	hyper	sig	chr13_114131246
chr7	1.29E+08	128511938	+	1.268E-29	9.1834E-28	-0.28691	hypo	sig	chr7_128511938
chr19	44448610	44448610	+	1.276E-29	9.2389E-28	0.313061	hyper	sig	chr19_44448610
chr1	2.29E+08	229407848	+	1.281E-29	9.2757E-28	0.343295	hyper	sig	chr1_229407848
chr1	90834889	90834889	+	1.282E-29	9.2829E-28	0.264295	hyper	sig	chr1_90834889
chr19	53132934	53132934	+	1.284E-29	9.2954E-28	0.290929	hyper	sig	chr19_53132934
chr1	38044463	38044463	+	1.285E-29	9.3051E-28	0.320669	hyper	sig	chr1_38044463
chr1	2.28E+08	227775595	+	1.288E-29	9.3259E-28	0.251316	hyper	sig	chr1_227775595
chr6	1.61E+08	160767588	+	1.289E-29	9.3303E-28	0.228617	hyper	sig	chr6_160767588
chr17	78401463	78401463	+	1.291E-29	9.3392E-28	0.347172	hyper	sig	chr17_78401463
chr1	1.44E+08	143654964	+	1.292E-29	9.3497E-28	0.370291	hyper	sig	chr1_143654964
chr11	68372222	68372222	+	1.292E-29	9.3508E-28	0.295615	hyper	sig	chr11_68372222
chr6	30007568	30007568	+	1.293E-29	9.355E-28	0.232591	hyper	sig	chr6_30007568
chr1	1.57E+08	156727145	+	1.295E-29	9.3712E-28	-0.32591	hypo	sig	chr1_156727145
chr3	1.38E+08	137761287	+	1.297E-29	9.3827E-28	0.374896	hyper	sig	chr3_137761287
chr13	21319126	21319126	+	1.297E-29	9.3834E-28	0.43922	hyper	sig	chr13_21319126
chr16	1531128	1531128	+	1.3E-29	9.4005E-28	0.365167	hyper	sig	chr16_1531128
chr13	1.02E+08	101706825	+	1.301E-29	9.4107E-28	-0.4283	hypo	sig	chr13_101706825
chr7	42091546	42091546	+	1.302E-29	9.416E-28	0.361771	hyper	sig	chr7_42091546
chr9	97852674	97852674	+	1.303E-29	9.4196E-28	0.42107	hyper	sig	chr9_97852674
chr7	1.22E+08	122310365	+	1.303E-29	9.4218E-28	0.237315	hyper	sig	chr7_122310365
chr8	1.38E+08	138496556	+	1.307E-29	9.4508E-28	0.373308	hyper	sig	chr8_138496556
chr2	2.28E+08	228181690	+	1.308E-29	9.4518E-28	0.406259	hyper	sig	chr2_228181690
chr10	26218470	26218470	+	1.308E-29	9.4566E-28	0.336753	hyper	sig	chr10_26218470
chr16	1011939	1011939	+	1.311E-29	9.4755E-28	-0.35223	hypo	sig	chr16_1011939
chr5	3590476	3590476	+	1.318E-29	9.522E-28	0.338498	hyper	sig	chr5_3590476
chr20	63178478	63178478	+	1.319E-29	9.5285E-28	0.354649	hyper	sig	chr20_63178478
chr16	69276368	69276368	+	1.319E-29	9.5331E-28	0.310806	hyper	sig	chr16_69276368

chr6	5999051	5999051	+	1.32E-29	9.537E-28	0.351266	hyper	sig	chr6_5999051
chr5	1.41E+08	141339214	+	1.332E-29	9.6184E-28	0.324613	hyper	sig	chr5_141339214
chr5	1.5E+08	150186441	+	1.336E-29	9.6521E-28	-0.31257	hypo	sig	chr5_150186441
chr19	18434261	18434261	+	1.339E-29	9.669E-28	0.367587	hyper	sig	chr19_18434261
chr1	13793345	13793345	+	1.339E-29	9.6701E-28	-0.30115	hypo	sig	chr1_13793345
chr10	1.22E+08	121596527	+	1.34E-29	9.6765E-28	0.354421	hyper	sig	chr10_121596527
chr13	34175968	34175968	+	1.342E-29	9.6886E-28	-0.30885	hypo	sig	chr13_34175968
chr11	1.33E+08	133064250	+	1.344E-29	9.7001E-28	0.299244	hyper	sig	chr11_133064250
chr13	95645072	95645072	+	1.344E-29	9.7001E-28	0.305837	hyper	sig	chr13_95645072
chr1	2.44E+08	243917715	+	1.345E-29	9.706E-28	0.247382	hyper	sig	chr1_243917715
chr8	1.28E+08	127740770	+	1.345E-29	9.706E-28	-0.27411	hypo	sig	chr8_127740770
chr5	1.78E+08	178165760	+	1.348E-29	9.7323E-28	0.418209	hyper	sig	chr5_178165760
chr3	1.71E+08	170585401	+	1.356E-29	9.7859E-28	0.326757	hyper	sig	chr3_170585401
chr9	1.37E+08	136850059	+	1.362E-29	9.8288E-28	0.341576	hyper	sig	chr9_136850059
chr17	69581595	69581595	+	1.363E-29	9.8356E-28	-0.33321	hypo	sig	chr17_69581595
chr17	77320373	77320373	+	1.365E-29	9.8501E-28	0.371532	hyper	sig	chr17_77320373
chr8	1.4E+08	139663934	+	1.367E-29	9.8649E-28	-0.27802	hypo	sig	chr8_139663934
chr1	2.23E+08	223116577	+	1.369E-29	9.8732E-28	0.334948	hyper	sig	chr1_223116577
chr10	23191089	23191089	+	1.37E-29	9.8823E-28	0.292033	hyper	sig	chr10_23191089
chr19	44499777	44499777	+	1.37E-29	9.8823E-28	0.388576	hyper	sig	chr19_44499777
chr13	36345768	36345768	+	1.375E-29	9.9144E-28	0.32996	hyper	sig	chr13_36345768
chr7	91267282	91267282	+	1.375E-29	9.9144E-28	0.384274	hyper	sig	chr7_91267282
chr9	38422617	38422617	+	1.376E-29	9.9199E-28	-0.41934	hypo	sig	chr9_38422617
chr19	38975329	38975329	+	1.376E-29	9.9229E-28	0.278446	hyper	sig	chr19_38975329
chr7	1742710	1742710	+	1.382E-29	9.9594E-28	-0.42769	hypo	sig	chr7_1742710
chr1	78491220	78491220	+	1.391E-29	1.0027E-27	0.344986	hyper	sig	chr1_78491220
chr16	84223259	84223259	+	1.392E-29	1.003E-27	-0.3587	hypo	sig	chr16_84223259
chr17	34156692	34156692	+	1.397E-29	1.0065E-27	0.320857	hyper	sig	chr17_34156692
chr14	96285904	96285904	+	1.397E-29	1.007E-27	0.238146	hyper	sig	chr14_96285904
chr8	1.42E+08	141903197	+	1.398E-29	1.0075E-27	-0.34727	hypo	sig	chr8_141903197
chr6	1.69E+08	168999593	+	1.403E-29	1.0105E-27	-0.36485	hypo	sig	chr6_168999593
chr6	1.06E+08	105986577	+	1.406E-29	1.0127E-27	0.325976	hyper	sig	chr6_105986577
chr8	1.31E+08	131041523	+	1.407E-29	1.0132E-27	0.363092	hyper	sig	chr8_131041523
chr16	29156757	29156757	+	1.409E-29	1.0146E-27	-0.4424	hypo	sig	chr16_29156757
chr8	24914920	24914920	+	1.41E-29	1.0155E-27	0.250728	hyper	sig	chr8_24914920
chr5	1.41E+08	141201994	+	1.414E-29	1.0181E-27	0.351676	hyper	sig	chr5_141201994
chr5	1.42E+08	141512805	+	1.424E-29	1.0258E-27	0.412047	hyper	sig	chr5_141512805
chr13	36298173	36298173	+	1.425E-29	1.0264E-27	0.250759	hyper	sig	chr13_36298173
chr8	13566873	13566873	+	1.427E-29	1.0275E-27	0.261988	hyper	sig	chr8_13566873
chr4	305033	305033	+	1.431E-29	1.0301E-27	0.317601	hyper	sig	chr4_305033
chr12	48525602	48525602	+	1.44E-29	1.0367E-27	-0.28527	hypo	sig	chr12_48525602
chr17	75587796	75587796	+	1.441E-29	1.037E-27	0.319024	hyper	sig	chr17_75587796
chr9	1.34E+08	134387566	+	1.442E-29	1.0378E-27	0.30651	hyper	sig	chr9_134387566
chr19	49024656	49024656	+	1.453E-29	1.0456E-27	-0.34417	hypo	sig	chr19_49024656
chr1	34778072	34778072	+	1.454E-29	1.0464E-27	0.326427	hyper	sig	chr1_34778072
chr12	4909973	4909973	+	1.454E-29	1.0465E-27	0.359073	hyper	sig	chr12_4909973
chr19	37817755	37817755	+	1.458E-29	1.049E-27	0.390793	hyper	sig	chr19_37817755
chr7	1.43E+08	142796529	+	1.462E-29	1.0517E-27	0.399721	hyper	sig	chr7_142796529
chr11	40293823	40293823	+	1.463E-29	1.0527E-27	0.298421	hyper	sig	chr11_40293823
chr6	1.27E+08	127119341	+	1.466E-29	1.0544E-27	0.345876	hyper	sig	chr6_127119341
chr19	39308383	39308383	+	1.466E-29	1.0545E-27	0.406997	hyper	sig	chr19_39308383
chr12	4909975	4909975	+	1.468E-29	1.0559E-27	0.363204	hyper	sig	chr12_4909975
chr3	1.61E+08	161104742	+	1.469E-29	1.0563E-27	0.280607	hyper	sig	chr3_161104742
chr1	2.08E+08	207645148	+	1.476E-29	1.0616E-27	0.250794	hyper	sig	chr1_207645148
chr17	76948751	76948751	+	1.477E-29	1.0621E-27	-0.3883	hypo	sig	chr17_76948751
chr6	98825712	98825712	+	1.482E-29	1.0651E-27	0.284437	hyper	sig	chr6_98825712

chr20	32457337	32457337	+	1.486E-29	1.0679E-27	0.43965	hyper	sig	chr20_32457337
chr7	27103633	27103633	+	1.488E-29	1.0695E-27	0.365513	hyper	sig	chr7_27103633
chr6	1.68E+08	167678242	+	1.492E-29	1.0723E-27	0.401055	hyper	sig	chr6_167678242
chr16	1044697	1044697	+	1.498E-29	1.0768E-27	-0.39307	hypo	sig	chr16_1044697
chr7	1055377	1055377	+	1.503E-29	1.0799E-27	0.355799	hyper	sig	chr7_1055377
chr10	1.01E+08	101139537	+	1.506E-29	1.0821E-27	0.303451	hyper	sig	chr10_101139537
chr5	1.35E+08	135038780	+	1.517E-29	1.0896E-27	0.315031	hyper	sig	chr5_135038780
chr7	90118760	90118760	+	1.517E-29	1.0901E-27	0.258382	hyper	sig	chr7_90118760
chr6	32746289	32746289	+	1.521E-29	1.0928E-27	-0.3487	hypo	sig	chr6_32746289
chr5	33936353	33936353	+	1.522E-29	1.093E-27	0.337	hyper	sig	chr5_33936353
chr12	41188261	41188261	+	1.524E-29	1.0944E-27	0.363821	hyper	sig	chr12_41188261
chr2	25253049	25253049	+	1.524E-29	1.0948E-27	0.362888	hyper	sig	chr2_25253049
chr20	63123637	63123637	+	1.527E-29	1.0967E-27	-0.3176	hypo	sig	chr20_63123637
chr2	31580858	31580858	+	1.53E-29	1.0983E-27	0.298311	hyper	sig	chr2_31580858
chr2	2769752	2769752	+	1.531E-29	1.0991E-27	0.365005	hyper	sig	chr2_2769752
chr16	1543559	1543559	+	1.532E-29	1.0995E-27	-0.29554	hypo	sig	chr16_1543559
chr12	1.2E+08	119804284	+	1.535E-29	1.1021E-27	0.378771	hyper	sig	chr12_119804284
chr15	79091499	79091499	+	1.537E-29	1.103E-27	0.278436	hyper	sig	chr15_79091499
chr11	8038872	8038872	+	1.541E-29	1.1058E-27	-0.33477	hypo	sig	chr11_8038872
chr19	3881169	3881169	+	1.544E-29	1.1079E-27	0.250567	hyper	sig	chr19_3881169
chr9	77019878	77019878	+	1.544E-29	1.108E-27	0.413929	hyper	sig	chr9_77019878
chr9	77019967	77019967	+	1.547E-29	1.1097E-27	0.366224	hyper	sig	chr9_77019967
chr20	38807017	38807017	+	1.548E-29	1.1103E-27	0.300666	hyper	sig	chr20_38807017
chr8	68331275	68331275	+	1.552E-29	1.1132E-27	0.391918	hyper	sig	chr8_68331275
chr12	1.03E+08	102962213	+	1.552E-29	1.1134E-27	0.327956	hyper	sig	chr12_102962213
chr7	79454478	79454478	+	1.553E-29	1.1138E-27	0.412152	hyper	sig	chr7_79454478
chr1	2.28E+08	227759549	+	1.554E-29	1.1143E-27	0.325293	hyper	sig	chr1_227759549
chr5	1.41E+08	141374341	+	1.56E-29	1.1187E-27	0.322356	hyper	sig	chr5_141374341
chr12	1.31E+08	131446129	+	1.564E-29	1.1216E-27	0.357214	hyper	sig	chr12_131446129
chr10	43573959	43573959	+	1.567E-29	1.1233E-27	0.37955	hyper	sig	chr10_43573959
chr11	1.12E+08	111540346	+	1.567E-29	1.1233E-27	0.389983	hyper	sig	chr11_111540346
chr6	10887388	10887388	+	1.567E-29	1.1233E-27	0.329154	hyper	sig	chr6_10887388
chr16	165459	165459	+	1.569E-29	1.1249E-27	0.282032	hyper	sig	chr16_165459
chr6	1.66E+08	165847476	+	1.571E-29	1.1261E-27	-0.33302	hypo	sig	chr6_165847476
chr4	53347358	53347358	+	1.571E-29	1.1262E-27	0.336854	hyper	sig	chr4_53347358
chr6	1.53E+08	152637514	+	1.571E-29	1.1262E-27	0.308859	hyper	sig	chr6_152637514
chr1	10670625	10670625	+	1.574E-29	1.1278E-27	0.281732	hyper	sig	chr1_10670625
chr5	1.41E+08	141330877	+	1.577E-29	1.1302E-27	0.331309	hyper	sig	chr5_141330877
chr6	1E+08	100447335	+	1.579E-29	1.131E-27	0.32252	hyper	sig	chr6_100447335
chr6	32220519	32220519	+	1.58E-29	1.1315E-27	-0.37742	hypo	sig	chr6_32220519
chr8	88328171	88328171	+	1.58E-29	1.1315E-27	0.348074	hyper	sig	chr8_88328171
chr19	48837235	48837235	+	1.587E-29	1.1369E-27	0.322898	hyper	sig	chr19_48837235
chr1	1.13E+08	112850652	+	1.59E-29	1.1389E-27	-0.2979	hypo	sig	chr1_112850652
chr13	1.02E+08	102394861	+	1.593E-29	1.1405E-27	0.20687	hyper	sig	chr13_102394861
chr10	1.3E+08	129969837	+	1.6E-29	1.1458E-27	0.278729	hyper	sig	chr10_129969837
chr10	1.33E+08	133230002	+	1.603E-29	1.1478E-27	0.265191	hyper	sig	chr10_133230002
chr19	53520639	53520639	+	1.603E-29	1.1479E-27	0.247625	hyper	sig	chr19_53520639
chr19	419123	419123	+	1.614E-29	1.1557E-27	-0.32434	hypo	sig	chr19_419123
chr7	2572400	2572400	+	1.615E-29	1.1563E-27	-0.39765	hypo	sig	chr7_2572400
chr13	36674842	36674842	+	1.617E-29	1.1577E-27	0.334624	hyper	sig	chr13_36674842
chr8	1.42E+08	142126241	+	1.619E-29	1.159E-27	-0.36386	hypo	sig	chr8_142126241
chr11	18266142	18266142	+	1.62E-29	1.1592E-27	-0.21452	hypo	sig	chr11_18266142
chr4	41880904	41880904	+	1.621E-29	1.1601E-27	0.316805	hyper	sig	chr4_41880904
chr3	26623264	26623264	+	1.622E-29	1.1606E-27	0.35101	hyper	sig	chr3_26623264
chr6	10882821	10882821	+	1.63E-29	1.1663E-27	0.303623	hyper	sig	chr6_10882821
chr7	1.37E+08	136869139	+	1.631E-29	1.1668E-27	0.381198	hyper	sig	chr7_136869139

chr16	30822019	30822019	+	1.631E-29	1.1669E-27	-0.27438	hypo	sig	chr16_30822019
chr16	86619576	86619576	+	1.639E-29	1.1723E-27	-0.38674	hypo	sig	chr16_86619576
chr3	1.88E+08	187702154	+	1.639E-29	1.1725E-27	-0.34766	hypo	sig	chr3_187702154
chr2	2.33E+08	233469828	+	1.641E-29	1.1736E-27	0.402168	hyper	sig	chr2_233469828
chr19	22422446	22422446	+	1.642E-29	1.1739E-27	0.335006	hyper	sig	chr19_22422446
chr7	1742584	1742584	+	1.644E-29	1.1752E-27	-0.37585	hypo	sig	chr7_1742584
chr3	23807623	23807623	+	1.647E-29	1.1772E-27	0.358835	hyper	sig	chr3_23807623
chr6	3825683	3825683	+	1.65E-29	1.1791E-27	0.336416	hyper	sig	chr6_3825683
chr16	85448938	85448938	+	1.652E-29	1.1807E-27	-0.37784	hypo	sig	chr16_85448938
chr1	14945801	14945801	+	1.653E-29	1.1813E-27	0.293949	hyper	sig	chr1_14945801
chr6	1594249	1594249	+	1.653E-29	1.1816E-27	-0.43705	hypo	sig	chr6_1594249
chr11	27720463	27720463	+	1.654E-29	1.1819E-27	0.360601	hyper	sig	chr11_27720463
chr14	94936857	94936857	+	1.656E-29	1.1831E-27	0.376462	hyper	sig	chr14_94936857
chr7	1E+08	100177849	+	1.657E-29	1.1841E-27	0.307835	hyper	sig	chr7_100177849
chr22	46057971	46057971	+	1.66E-29	1.1862E-27	-0.28258	hypo	sig	chr22_46057971
chr13	57629820	57629820	+	1.661E-29	1.1863E-27	0.435084	hyper	sig	chr13_57629820
chr19	54573812	54573812	+	1.669E-29	1.1917E-27	-0.31143	hypo	sig	chr19_54573812
chr7	1.55E+08	155467587	+	1.674E-29	1.1957E-27	0.379851	hyper	sig	chr7_155467587
chr17	21452695	21452695	+	1.676E-29	1.197E-27	0.339404	hyper	sig	chr17_21452695
chr13	21319128	21319128	+	1.684E-29	1.2022E-27	0.443816	hyper	sig	chr13_21319128
chr5	73444727	73444727	+	1.684E-29	1.2025E-27	0.290213	hyper	sig	chr5_73444727
chr7	27110619	27110619	+	1.689E-29	1.2057E-27	0.403071	hyper	sig	chr7_27110619
chr13	87674569	87674569	+	1.694E-29	1.2096E-27	0.316986	hyper	sig	chr13_87674569
chr11	66049039	66049039	+	1.697E-29	1.2113E-27	0.344339	hyper	sig	chr11_66049039
chr6	99609297	99609297	+	1.698E-29	1.212E-27	0.33501	hyper	sig	chr6_99609297
chr7	79454504	79454504	+	1.698E-29	1.212E-27	0.427953	hyper	sig	chr7_79454504
chr19	599349	599349	+	1.701E-29	1.2135E-27	-0.35893	hypo	sig	chr19_599349
chr6	1.5E+08	149964677	+	1.706E-29	1.2169E-27	0.277772	hyper	sig	chr6_149964677
chr12	6824396	6824396	+	1.707E-29	1.218E-27	-0.3231	hypo	sig	chr12_6824396
chr13	50132604	50132604	+	1.708E-29	1.2182E-27	0.391069	hyper	sig	chr13_50132604
chr19	49142930	49142930	+	1.711E-29	1.2205E-27	0.237141	hyper	sig	chr19_49142930
chr16	68642605	68642605	+	1.715E-29	1.2233E-27	0.357398	hyper	sig	chr16_68642605
chr1	1.19E+08	118987455	+	1.719E-29	1.2257E-27	0.313863	hyper	sig	chr1_118987455
chr5	88672835	88672835	+	1.719E-29	1.2259E-27	0.316145	hyper	sig	chr5_88672835
chr7	4810629	4810629	+	1.726E-29	1.231E-27	-0.36512	hypo	sig	chr7_4810629
chr1	40132783	40132783	+	1.73E-29	1.2332E-27	0.370123	hyper	sig	chr1_40132783
chr12	52679813	52679813	+	1.732E-29	1.2347E-27	-0.4622	hypo	sig	chr12_52679813
chr4	1.77E+08	176792142	+	1.732E-29	1.2348E-27	0.316563	hyper	sig	chr4_176792142
chr1	1.65E+08	165120156	+	1.733E-29	1.235E-27	-0.39259	hypo	sig	chr1_165120156
chr12	72273526	72273526	+	1.734E-29	1.2361E-27	0.350203	hyper	sig	chr12_72273526
chr8	52586998	52586998	+	1.739E-29	1.2391E-27	0.354185	hyper	sig	chr8_52586998
chr3	1.47E+08	147423536	+	1.743E-29	1.242E-27	0.264699	hyper	sig	chr3_147423536
chr4	3304931	3304931	+	1.743E-29	1.242E-27	0.363198	hyper	sig	chr4_3304931
chr7	97018906	97018906	+	1.745E-29	1.2435E-27	0.334567	hyper	sig	chr7_97018906
chr4	53347380	53347380	+	1.751E-29	1.2473E-27	0.321769	hyper	sig	chr4_53347380
chr5	88602783	88602783	+	1.753E-29	1.2486E-27	-0.27573	hypo	sig	chr5_88602783
chr7	1.02E+08	102170803	+	1.758E-29	1.2524E-27	0.246995	hyper	sig	chr7_102170803
chr19	36797624	36797624	+	1.762E-29	1.2547E-27	0.255036	hyper	sig	chr19_36797624
chr22	45010682	45010682	+	1.763E-29	1.2555E-27	0.288517	hyper	sig	chr22_45010682
chr7	19106895	19106895	+	1.767E-29	1.2585E-27	0.351216	hyper	sig	chr7_19106895
chr20	16573890	16573890	+	1.768E-29	1.259E-27	-0.352	hypo	sig	chr20_16573890
chr1	2.44E+08	243917695	+	1.773E-29	1.2623E-27	0.223162	hyper	sig	chr1_243917695
chr12	1.03E+08	102824795	+	1.787E-29	1.2724E-27	0.272119	hyper	sig	chr12_102824795
chr12	4809809	4809809	+	1.79E-29	1.2739E-27	0.306222	hyper	sig	chr12_4809809
chr12	40692328	40692328	+	1.79E-29	1.2743E-27	0.311073	hyper	sig	chr12_40692328
chr2	2.16E+08	215619332	+	1.791E-29	1.2745E-27	-0.35693	hypo	sig	chr2_215619332

chr1	1436444	1436444	+	1.794E-29	1.2765E-27	0.365642	hyper	sig	chr1_1436444
chr8	1.16E+08	115667708	+	1.798E-29	1.2795E-27	0.292985	hyper	sig	chr8_115667708
chr5	1.41E+08	141374227	+	1.812E-29	1.2895E-27	0.346074	hyper	sig	chr5_141374227
chr13	99657908	99657908	+	1.814E-29	1.2908E-27	0.321821	hyper	sig	chr13_99657908
chr9	62838101	62838101	+	1.816E-29	1.2918E-27	0.205044	hyper	sig	chr9_62838101
chr16	1258194	1258194	+	1.818E-29	1.2936E-27	-0.36737	hypo	sig	chr16_1258194
chr1	1.47E+08	147079228	+	1.823E-29	1.297E-27	0.480664	hyper	sig	chr1_147079228
chr6	27495438	27495438	+	1.826E-29	1.2986E-27	0.267731	hyper	sig	chr6_27495438
chr14	1.02E+08	101928120	+	1.83E-29	1.3011E-27	0.290482	hyper	sig	chr14_101928120
chr2	2.4E+08	239817056	+	1.832E-29	1.3031E-27	-0.38178	hypo	sig	chr2_239817056
chr9	1.35E+08	134766822	+	1.836E-29	1.3055E-27	-0.43162	hypo	sig	chr9_134766822
chr16	1002545	1002545	+	1.837E-29	1.3063E-27	-0.38795	hypo	sig	chr16_1002545
chr17	79119574	79119574	+	1.839E-29	1.3076E-27	-0.36957	hypo	sig	chr17_79119574
chr2	2.08E+08	208124583	+	1.84E-29	1.3078E-27	0.362491	hyper	sig	chr2_208124583
chr13	1.12E+08	112063454	+	1.846E-29	1.3118E-27	0.359872	hyper	sig	chr13_112063454
chr6	27213905	27213905	+	1.852E-29	1.3163E-27	0.306813	hyper	sig	chr6_27213905
chr17	79119551	79119551	+	1.863E-29	1.3242E-27	-0.37254	hypo	sig	chr17_79119551
chr2	5692911	5692911	+	1.864E-29	1.3246E-27	0.349953	hyper	sig	chr2_5692911
chr20	63805680	63805680	+	1.87E-29	1.3288E-27	-0.29823	hypo	sig	chr20_63805680
chr11	1237316	1237316	+	1.876E-29	1.3332E-27	-0.34715	hypo	sig	chr11_1237316
chr1	3313906	3313906	+	1.893E-29	1.3448E-27	0.367437	hyper	sig	chr1_3313906
chr2	65292657	65292657	+	1.896E-29	1.3469E-27	0.352859	hyper	sig	chr2_65292657
chr22	46057958	46057958	+	1.898E-29	1.3484E-27	-0.2859	hypo	sig	chr22_46057958
chr4	41867396	41867396	+	1.9E-29	1.3493E-27	0.286903	hyper	sig	chr4_41867396
chr10	79382444	79382444	+	1.905E-29	1.3532E-27	0.279957	hyper	sig	chr10_79382444
chr11	27721665	27721665	+	1.906E-29	1.3537E-27	0.363149	hyper	sig	chr11_27721665
chr10	12359459	12359459	+	1.914E-29	1.3587E-27	0.349876	hyper	sig	chr10_12359459
chr7	24284229	24284229	+	1.915E-29	1.3596E-27	0.371087	hyper	sig	chr7_24284229
chr1	2.21E+08	220895669	+	1.916E-29	1.3604E-27	0.442706	hyper	sig	chr1_220895669
chr3	1.33E+08	133038901	+	1.922E-29	1.3643E-27	0.376966	hyper	sig	chr3_133038901
chr16	85448861	85448861	+	1.933E-29	1.3717E-27	-0.3334	hypo	sig	chr16_85448861
chr2	2.28E+08	228181692	+	1.933E-29	1.372E-27	0.409311	hyper	sig	chr2_228181692
chr5	1.16E+08	115961984	+	1.934E-29	1.3726E-27	0.350437	hyper	sig	chr5_115961984
chr5	1.41E+08	141374094	+	1.942E-29	1.378E-27	0.369144	hyper	sig	chr5_141374094
chr14	53957040	53957040	+	1.943E-29	1.3784E-27	-0.30236	hypo	sig	chr14_53957040
chr7	27124369	27124369	+	1.944E-29	1.3794E-27	0.380422	hyper	sig	chr7_27124369
chr18	37396258	37396258	+	1.946E-29	1.3808E-27	-0.27336	hypo	sig	chr18_37396258
chr10	49396578	49396578	+	1.95E-29	1.383E-27	0.364072	hyper	sig	chr10_49396578
chr5	1.16E+08	115816797	+	1.952E-29	1.3846E-27	0.341168	hyper	sig	chr5_115816797
chr13	53200929	53200929	+	1.953E-29	1.3849E-27	0.317834	hyper	sig	chr13_53200929
chr22	50267554	50267554	+	1.954E-29	1.3859E-27	0.569227	hyper	sig	chr22_50267554
chr4	1.47E+08	146640617	+	1.962E-29	1.3913E-27	0.340832	hyper	sig	chr4_146640617
chr11	10729365	10729365	+	1.963E-29	1.3916E-27	0.311189	hyper	sig	chr11_10729365
chr17	79981582	79981582	+	1.966E-29	1.3936E-27	0.250038	hyper	sig	chr17_79981582
chr19	37551291	37551291	+	1.969E-29	1.3958E-27	0.375463	hyper	sig	chr19_37551291
chr16	84851622	84851622	+	1.97E-29	1.3962E-27	-0.36721	hypo	sig	chr16_84851622
chr5	1.46E+08	146338905	+	1.97E-29	1.3962E-27	0.317139	hyper	sig	chr5_146338905
chr2	70141328	70141328	+	1.973E-29	1.3981E-27	-0.38066	hypo	sig	chr2_70141328
chr10	13892397	13892397	+	1.978E-29	1.4014E-27	0.375451	hyper	sig	chr10_13892397
chr8	68330705	68330705	+	1.982E-29	1.4045E-27	0.298682	hyper	sig	chr8_68330705
chr19	57192056	57192056	+	1.983E-29	1.4052E-27	0.29084	hyper	sig	chr19_57192056
chr6	32069045	32069045	+	1.992E-29	1.4113E-27	-0.34268	hypo	sig	chr6_32069045
chr2	3638009	3638009	+	1.996E-29	1.4143E-27	-0.35735	hypo	sig	chr2_3638009
chr6	1.38E+08	137879231	+	2.002E-29	1.4185E-27	0.287055	hyper	sig	chr6_137879231
chr20	58514862	58514862	+	2.004E-29	1.4194E-27	0.329082	hyper	sig	chr20_58514862
chr15	37106903	37106903	+	2.007E-29	1.4216E-27	0.282201	hyper	sig	chr15_37106903

chr3	27731250	27731250	+	2.012E-29	1.4247E-27	0.316687	hyper	sig	chr3_27731250
chr14	1.01E+08	101060821	+	2.012E-29	1.4248E-27	-0.32379	hypo	sig	chr14_101060821
chr13	1.08E+08	108496670	+	2.014E-29	1.4261E-27	0.397289	hyper	sig	chr13_108496670
chr1	2.43E+08	242525210	+	2.016E-29	1.4273E-27	0.398086	hyper	sig	chr1_242525210
chr21	44353325	44353325	+	2.021E-29	1.4304E-27	-0.23791	hypo	sig	chr21_44353325
chr5	1876194	1876194	+	2.023E-29	1.4318E-27	0.299281	hyper	sig	chr5_1876194
chr19	6534766	6534766	+	2.025E-29	1.433E-27	0.318393	hyper	sig	chr19_6534766
chr13	27926721	27926721	+	2.027E-29	1.435E-27	0.428842	hyper	sig	chr13_27926721
chr19	36838777	36838777	+	2.03E-29	1.4364E-27	0.321103	hyper	sig	chr19_36838777
chr2	28981237	28981237	+	2.039E-29	1.443E-27	0.340483	hyper	sig	chr2_28981237
chr15	89406396	89406396	+	2.047E-29	1.4483E-27	0.247611	hyper	sig	chr15_89406396
chr5	1973672	1973672	+	2.048E-29	1.4488E-27	-0.35187	hypo	sig	chr5_1973672
chr1	38045778	38045778	+	2.049E-29	1.4494E-27	0.264884	hyper	sig	chr1_38045778
chr3	62370608	62370608	+	2.049E-29	1.4494E-27	0.338692	hyper	sig	chr3_62370608
chr2	1.6E+08	160492241	+	2.05E-29	1.4499E-27	0.304696	hyper	sig	chr2_160492241
chr3	49422451	49422451	+	2.051E-29	1.4506E-27	0.290267	hyper	sig	chr3_49422451
chr5	1.76E+08	175773540	+	2.051E-29	1.4506E-27	0.257247	hyper	sig	chr5_175773540
chr8	73370543	73370543	+	2.053E-29	1.4515E-27	0.390693	hyper	sig	chr8_73370543
chr16	85448887	85448887	+	2.054E-29	1.4524E-27	-0.33786	hypo	sig	chr16_85448887
chr19	23070537	23070537	+	2.092E-29	1.4789E-27	0.337523	hyper	sig	chr19_23070537
chr8	98948664	98948664	+	2.092E-29	1.479E-27	0.250515	hyper	sig	chr8_98948664
chr19	48444374	48444374	+	2.099E-29	1.484E-27	0.357735	hyper	sig	chr19_48444374
chr19	57192043	57192043	+	2.102E-29	1.4856E-27	0.261967	hyper	sig	chr19_57192043
chr16	81645429	81645429	+	2.106E-29	1.4887E-27	0.340334	hyper	sig	chr16_81645429
chr7	2572247	2572247	+	2.113E-29	1.4934E-27	-0.39024	hypo	sig	chr7_2572247
chr7	1.01E+08	100865927	+	2.117E-29	1.4959E-27	-0.46696	hypo	sig	chr7_100865927
chr3	44584975	44584975	+	2.117E-29	1.496E-27	0.260156	hyper	sig	chr3_44584975
chr19	15722992	15722992	+	2.117E-29	1.496E-27	0.370479	hyper	sig	chr19_15722992
chr2	1.87E+08	186849379	+	2.12E-29	1.4977E-27	0.272857	hyper	sig	chr2_186849379
chr19	58350173	58350173	+	2.121E-29	1.4982E-27	0.377799	hyper	sig	chr19_58350173
chr6	31728510	31728510	+	2.121E-29	1.4982E-27	0.324687	hyper	sig	chr6_31728510
chr7	24284225	24284225	+	2.126E-29	1.5015E-27	0.376715	hyper	sig	chr7_24284225
chr15	83206910	83206910	+	2.126E-29	1.5016E-27	0.219989	hyper	sig	chr15_83206910
chr19	18007528	18007528	+	2.133E-29	1.5064E-27	0.286021	hyper	sig	chr19_18007528
chr5	16180190	16180190	+	2.134E-29	1.5067E-27	0.392041	hyper	sig	chr5_16180190
chr8	47998108	47998108	+	2.136E-29	1.5078E-27	-0.33903	hypo	sig	chr8_47998108
chr4	1.74E+08	173519522	+	2.14E-29	1.5107E-27	0.374871	hyper	sig	chr4_173519522
chr11	5935356	5935356	+	2.143E-29	1.5123E-27	-0.40209	hypo	sig	chr11_5935356
chr12	54090514	54090514	+	2.149E-29	1.5169E-27	0.321022	hyper	sig	chr12_54090514
chr2	2.18E+08	217943929	+	2.15E-29	1.5176E-27	0.260514	hyper	sig	chr2_217943929
chr1	1.58E+08	158181617	+	2.151E-29	1.5178E-27	0.31183	hyper	sig	chr1_158181617
chr8	1.41E+08	140527904	+	2.157E-29	1.522E-27	0.339272	hyper	sig	chr8_140527904
chr20	46513697	46513697	+	2.16E-29	1.5236E-27	0.307882	hyper	sig	chr20_46513697
chr7	1.51E+08	151188567	+	2.16E-29	1.5241E-27	-0.4015	hypo	sig	chr7_151188567
chr1	9321372	9321372	+	2.161E-29	1.5242E-27	0.350886	hyper	sig	chr1_9321372
chr11	8019004	8019004	+	2.161E-29	1.5246E-27	0.241027	hyper	sig	chr11_8019004
chr2	9103003	9103003	+	2.164E-29	1.526E-27	-0.34856	hypo	sig	chr2_9103003
chr16	67964103	67964103	+	2.168E-29	1.5288E-27	0.362418	hyper	sig	chr16_67964103
chr5	1.41E+08	141476763	+	2.17E-29	1.53E-27	0.234057	hyper	sig	chr5_141476763
chr16	4006346	4006346	+	2.174E-29	1.533E-27	0.318294	hyper	sig	chr16_4006346
chr20	62378538	62378538	+	2.174E-29	1.533E-27	0.324881	hyper	sig	chr20_62378538
chr11	66281288	66281288	+	2.178E-29	1.5351E-27	-0.33415	hypo	sig	chr11_66281288
chr17	7425415	7425415	+	2.178E-29	1.5351E-27	-0.33083	hypo	sig	chr17_7425415
chr11	69161357	69161357	+	2.182E-29	1.5383E-27	-0.31906	hypo	sig	chr11_69161357
chr7	1.28E+08	128032185	+	2.185E-29	1.5402E-27	0.339076	hyper	sig	chr7_128032185
chr7	1.46E+08	146116823	+	2.192E-29	1.5448E-27	0.28915	hyper	sig	chr7_146116823

chr15	60002291	60002291	+	2.201E-29	1.5508E-27	0.311002	hyper	sig	chr15_60002291
chr17	47867056	47867056	+	2.211E-29	1.5578E-27	0.33518	hyper	sig	chr17_47867056
chr2	2.33E+08	233060598	+	2.212E-29	1.5584E-27	-0.42566	hypo	sig	chr2_233060598
chr22	39456726	39456726	+	2.212E-29	1.5584E-27	0.394344	hyper	sig	chr22_39456726
chr5	1.41E+08	141389507	+	2.214E-29	1.5598E-27	0.358297	hyper	sig	chr5_141389507
chr9	1.37E+08	136739744	+	2.218E-29	1.5621E-27	-0.32386	hypo	sig	chr9_136739744
chr1	35560799	35560799	+	2.222E-29	1.5648E-27	0.35331	hyper	sig	chr1_35560799
chr7	96997836	96997836	+	2.223E-29	1.5652E-27	0.402622	hyper	sig	chr7_96997836
chr19	9498301	9498301	+	2.246E-29	1.5815E-27	0.344153	hyper	sig	chr19_9498301
chr3	1.23E+08	123447896	+	2.249E-29	1.5833E-27	0.334263	hyper	sig	chr3_123447896
chr13	1.12E+08	112105367	+	2.255E-29	1.5874E-27	0.488814	hyper	sig	chr13_112105367
chr6	83853173	83853173	+	2.255E-29	1.5874E-27	0.261265	hyper	sig	chr6_83853173
chr9	36166100	36166100	+	2.257E-29	1.5889E-27	0.36617	hyper	sig	chr9_36166100
chr17	34156948	34156948	+	2.259E-29	1.5898E-27	0.259595	hyper	sig	chr17_34156948
chr8	42499336	42499336	+	2.273E-29	1.5996E-27	0.405519	hyper	sig	chr8_42499336
chr4	1.74E+08	173517779	+	2.273E-29	1.5997E-27	0.329286	hyper	sig	chr4_173517779
chr16	31011020	31011020	+	2.277E-29	1.6021E-27	0.298913	hyper	sig	chr16_31011020
chr6	26225371	26225371	+	2.277E-29	1.6025E-27	0.312766	hyper	sig	chr6_26225371
chr15	89409128	89409128	+	2.287E-29	1.6093E-27	0.39564	hyper	sig	chr15_89409128
chr3	1.47E+08	147409884	+	2.294E-29	1.6136E-27	0.332664	hyper	sig	chr3_147409884
chr7	85185840	85185840	+	2.304E-29	1.6206E-27	0.224042	hyper	sig	chr7_85185840
chr7	1568227	1568227	+	2.306E-29	1.6221E-27	-0.23391	hypo	sig	chr7_1568227
chr3	10142976	10142976	+	2.309E-29	1.6242E-27	-0.42127	hypo	sig	chr3_10142976
chr2	2.39E+08	238967714	+	2.313E-29	1.6269E-27	-0.24561	hypo	sig	chr2_238967714
chr3	1.22E+08	122183765	+	2.318E-29	1.6301E-27	0.215031	hyper	sig	chr3_122183765
chr1	2.37E+08	237043280	+	2.318E-29	1.6302E-27	0.375598	hyper	sig	chr1_237043280
chr5	1.34E+08	134113998	+	2.319E-29	1.6305E-27	0.3334	hyper	sig	chr5_134113998
chr5	3594225	3594225	+	2.319E-29	1.6306E-27	0.354796	hyper	sig	chr5_3594225
chr5	3597238	3597238	+	2.32E-29	1.6306E-27	0.37774	hyper	sig	chr5_3597238
chr5	1.32E+08	132257458	+	2.321E-29	1.6313E-27	0.242832	hyper	sig	chr5_132257458
chr3	1.3E+08	129548365	+	2.33E-29	1.6378E-27	-0.36387	hypo	sig	chr3_129548365
chr16	54936611	54936611	+	2.332E-29	1.639E-27	0.278244	hyper	sig	chr16_54936611
chr13	52848595	52848595	+	2.336E-29	1.6416E-27	0.283924	hyper	sig	chr13_52848595
chr7	1.01E+08	100794211	+	2.344E-29	1.647E-27	-0.36697	hypo	sig	chr7_100794211
chr8	1.42E+08	141974036	+	2.344E-29	1.6473E-27	-0.36477	hypo	sig	chr8_141974036
chr20	63657671	63657671	+	2.351E-29	1.6519E-27	0.370293	hyper	sig	chr20_63657671
chr5	42944408	42944408	+	2.356E-29	1.6549E-27	0.332085	hyper	sig	chr5_42944408
chr17	14298427	14298427	+	2.357E-29	1.6555E-27	0.391402	hyper	sig	chr17_14298427
chr19	21836201	21836201	+	2.363E-29	1.6598E-27	0.211958	hyper	sig	chr19_21836201
chr20	63775565	63775565	+	2.366E-29	1.6616E-27	0.33566	hyper	sig	chr20_63775565
chr8	54454278	54454278	+	2.368E-29	1.6626E-27	0.33697	hyper	sig	chr8_54454278
chr5	1.41E+08	141351802	+	2.383E-29	1.6733E-27	0.317886	hyper	sig	chr5_141351802
chr13	1.13E+08	112985221	+	2.386E-29	1.6751E-27	-0.31017	hypo	sig	chr13_112985221
chr12	48003991	48003991	+	2.389E-29	1.6766E-27	0.242656	hyper	sig	chr12_48003991
chr4	7772829	7772829	+	2.388E-29	1.6766E-27	0.34956	hyper	sig	chr4_7772829
chr6	27312187	27312187	+	2.388E-29	1.6766E-27	0.285934	hyper	sig	chr6_27312187
chr1	3186465	3186465	+	2.389E-29	1.6769E-27	0.358327	hyper	sig	chr1_3186465
chr3	79767604	79767604	+	2.396E-29	1.6815E-27	0.333555	hyper	sig	chr3_79767604
chr5	1.71E+08	171316904	+	2.405E-29	1.688E-27	0.401691	hyper	sig	chr5_171316904
chr8	1.44E+08	143732821	+	2.409E-29	1.6904E-27	-0.35186	hypo	sig	chr8_143732821
chr11	69080416	69080416	+	2.41E-29	1.6908E-27	-0.36948	hypo	sig	chr11_69080416
chr17	7380460	7380460	+	2.411E-29	1.6912E-27	0.339367	hyper	sig	chr17_7380460
chr2	1.07E+08	106885622	+	2.411E-29	1.6912E-27	0.270533	hyper	sig	chr2_106885622
chr4	1.47E+08	146640571	+	2.411E-29	1.6913E-27	0.340467	hyper	sig	chr4_146640571
chr19	36916513	36916513	+	2.412E-29	1.692E-27	0.234917	hyper	sig	chr19_36916513
chr20	38674364	38674364	+	2.415E-29	1.6934E-27	0.390162	hyper	sig	chr20_38674364

chr12	52233520	52233520	+	2.416E-29	1.6946E-27	0.418945	hyper	sig	chr12_52233520
chr4	72031992	72031992	+	2.42E-29	1.6969E-27	0.407427	hyper	sig	chr4_72031992
chr19	7515280	7515280	+	2.425E-29	1.7004E-27	0.343171	hyper	sig	chr19_7515280
chr10	1.24E+08	123666131	+	2.428E-29	1.702E-27	0.348549	hyper	sig	chr10_123666131
chr10	93497144	93497144	+	2.428E-29	1.7022E-27	-0.34339	hypo	sig	chr10_93497144
chr12	1.15E+08	114696845	+	2.433E-29	1.7057E-27	0.387938	hyper	sig	chr12_114696845
chr19	40568179	40568179	+	2.436E-29	1.7075E-27	0.30449	hyper	sig	chr19_40568179
chr13	98173967	98173967	+	2.443E-29	1.7123E-27	0.324154	hyper	sig	chr13_98173967
chr14	60485379	60485379	+	2.444E-29	1.7125E-27	0.287291	hyper	sig	chr14_60485379
chr2	2.08E+08	208407199	+	2.446E-29	1.7138E-27	0.293625	hyper	sig	chr2_208407199
chr13	1.13E+08	113402593	+	2.447E-29	1.7148E-27	-0.36013	hypo	sig	chr13_113402593
chr16	62036405	62036405	+	2.449E-29	1.7155E-27	0.2876	hyper	sig	chr16_62036405
chr13	1.13E+08	113098384	+	2.453E-29	1.7184E-27	0.336013	hyper	sig	chr13_113098384
chr13	1.12E+08	112247723	+	2.462E-29	1.7245E-27	-0.40687	hypo	sig	chr13_112247723
chr16	86496359	86496359	+	2.462E-29	1.7245E-27	0.320832	hyper	sig	chr16_86496359
chr22	44172543	44172543	+	2.474E-29	1.7326E-27	-0.36595	hypo	sig	chr22_44172543
chr17	29032878	29032878	+	2.479E-29	1.736E-27	0.339931	hyper	sig	chr17_29032878
chr21	36697699	36697699	+	2.484E-29	1.7394E-27	0.359652	hyper	sig	chr21_36697699
chr11	17720935	17720935	+	2.485E-29	1.7403E-27	0.416103	hyper	sig	chr11_17720935
chr8	1.41E+08	141235154	+	2.492E-29	1.7444E-27	-0.43416	hypo	sig	chr8_141235154
chr9	1.33E+08	132579787	+	2.492E-29	1.7444E-27	0.260475	hyper	sig	chr9_132579787
chr2	44932765	44932765	+	2.493E-29	1.7449E-27	0.410351	hyper	sig	chr2_44932765
chr19	58116492	58116492	+	2.494E-29	1.7456E-27	-0.30043	hypo	sig	chr19_58116492
chr6	1.32E+08	131948893	+	2.494E-29	1.7458E-27	0.360913	hyper	sig	chr6_131948893
chr2	1743111	1743111	+	2.495E-29	1.7458E-27	0.327819	hyper	sig	chr2_1743111
chr11	30583873	30583873	+	2.504E-29	1.7521E-27	0.373285	hyper	sig	chr11_30583873
chr4	1.11E+08	110630714	+	2.511E-29	1.7571E-27	0.323361	hyper	sig	chr4_110630714
chr5	88684481	88684481	+	2.513E-29	1.7584E-27	0.335672	hyper	sig	chr5_88684481
chr1	92480547	92480547	+	2.52E-29	1.7627E-27	0.454054	hyper	sig	chr1_92480547
chr15	25210876	25210876	+	2.525E-29	1.7663E-27	-0.32904	hypo	sig	chr15_25210876
chr11	31805026	31805026	+	2.531E-29	1.7702E-27	0.412783	hyper	sig	chr11_31805026
chr7	4725521	4725521	+	2.539E-29	1.7757E-27	0.333936	hyper	sig	chr7_4725521
chr14	88326651	88326651	+	2.539E-29	1.7758E-27	0.271794	hyper	sig	chr14_88326651
chr3	49719064	49719064	+	2.556E-29	1.7874E-27	0.26991	hyper	sig	chr3_49719064
chr18	904931	904931	+	2.559E-29	1.7889E-27	0.332419	hyper	sig	chr18_904931
chr4	65669455	65669455	+	2.564E-29	1.7927E-27	0.339643	hyper	sig	chr4_65669455
chr16	54932581	54932581	+	2.567E-29	1.7946E-27	0.379759	hyper	sig	chr16_54932581
chr7	1.55E+08	155465514	+	2.572E-29	1.7974E-27	0.404866	hyper	sig	chr7_155465514
chr11	64061241	64061241	+	2.578E-29	1.8018E-27	0.348039	hyper	sig	chr11_64061241
chr13	1.14E+08	114005092	+	2.584E-29	1.806E-27	-0.41692	hypo	sig	chr13_114005092
chr4	1.53E+08	152935395	+	2.586E-29	1.8073E-27	-0.23488	hypo	sig	chr4_152935395
chr12	1.3E+08	129926710	+	2.587E-29	1.8079E-27	-0.30112	hypo	sig	chr12_129926710
chr11	44311388	44311388	+	2.598E-29	1.815E-27	0.303173	hyper	sig	chr11_44311388
chr3	1.24E+08	123700810	+	2.599E-29	1.8156E-27	0.327329	hyper	sig	chr3_123700810
chr8	1.42E+08	142119784	+	2.601E-29	1.817E-27	-0.37101	hypo	sig	chr8_142119784
chr1	1332098	1332098	+	2.604E-29	1.8189E-27	-0.43059	hypo	sig	chr1_1332098
chr11	27720591	27720591	+	2.612E-29	1.8245E-27	0.293077	hyper	sig	chr11_27720591
chr13	44373979	44373979	+	2.623E-29	1.8318E-27	0.250284	hyper	sig	chr13_44373979
chr8	66963140	66963140	+	2.637E-29	1.8415E-27	0.332548	hyper	sig	chr8_66963140
chr2	2.23E+08	223052872	+	2.642E-29	1.8445E-27	0.401785	hyper	sig	chr2_223052872
chr16	85335477	85335477	+	2.643E-29	1.8453E-27	-0.43765	hypo	sig	chr16_85335477
chr19	20077994	20077994	+	2.648E-29	1.8487E-27	0.301046	hyper	sig	chr19_20077994
chr1	1.46E+08	146486764	+	2.662E-29	1.8583E-27	0.362236	hyper	sig	chr1_146486764
chr5	1.41E+08	140672545	+	2.663E-29	1.859E-27	0.363863	hyper	sig	chr5_140672545
chr1	18631608	18631608	+	2.666E-29	1.8604E-27	0.261897	hyper	sig	chr1_18631608
chr2	74436380	74436380	+	2.666E-29	1.8604E-27	0.278769	hyper	sig	chr2_74436380

chr3	64268076	64268076	+	2.666E-29	1.8605E-27	0.389377	hyper	sig	chr3_64268076
chr17	64779512	64779512	+	2.673E-29	1.8653E-27	0.36927	hyper	sig	chr17_64779512
chr19	38256706	38256706	+	2.676E-29	1.8668E-27	0.325784	hyper	sig	chr19_38256706
chr5	1.71E+08	171308379	+	2.679E-29	1.8689E-27	0.367471	hyper	sig	chr5_171308379
chr5	1.59E+08	159096901	+	2.681E-29	1.8701E-27	0.496071	hyper	sig	chr5_159096901
chr12	70920693	70920693	+	2.689E-29	1.8759E-27	0.362606	hyper	sig	chr12_70920693
chr4	26804631	26804631	+	2.693E-29	1.8785E-27	0.280787	hyper	sig	chr4_26804631
chr7	97013484	97013484	+	2.696E-29	1.8804E-27	0.316629	hyper	sig	chr7_97013484
chr3	1.28E+08	128496745	+	2.702E-29	1.8839E-27	0.382606	hyper	sig	chr3_128496745
chr16	84832537	84832537	+	2.702E-29	1.8844E-27	0.322043	hyper	sig	chr16_84832537
chr10	1.01E+08	101227650	+	2.705E-29	1.8863E-27	0.261729	hyper	sig	chr10_101227650
chr1	939292	939292	+	2.709E-29	1.8886E-27	-0.35305	hypo	sig	chr1_939292
chr10	1.08E+08	107914539	+	2.711E-29	1.89E-27	0.339634	hyper	sig	chr10_107914539
chr3	1.47E+08	147395953	+	2.713E-29	1.8914E-27	0.350701	hyper	sig	chr3_147395953
chr22	37661178	37661178	+	2.716E-29	1.8927E-27	0.329966	hyper	sig	chr22_37661178
chr11	1.06E+08	105610636	+	2.72E-29	1.8956E-27	0.276284	hyper	sig	chr11_105610636
chr14	62117534	62117534	+	2.733E-29	1.9048E-27	0.269922	hyper	sig	chr14_62117534
chr5	41510041	41510041	+	2.736E-29	1.9064E-27	0.355052	hyper	sig	chr5_41510041
chr16	57797925	57797925	+	2.74E-29	1.9092E-27	-0.3552	hypo	sig	chr16_57797925
chr1	15758243	15758243	+	2.74E-29	1.9093E-27	0.345978	hyper	sig	chr1_15758243
chr5	1.35E+08	135325412	+	2.741E-29	1.9093E-27	-0.38374	hypo	sig	chr5_135325412
chr16	57803038	57803038	+	2.748E-29	1.914E-27	0.430923	hyper	sig	chr16_57803038
chr17	41583608	41583608	+	2.749E-29	1.915E-27	-0.35635	hypo	sig	chr17_41583608
chr13	1.14E+08	114121713	+	2.753E-29	1.9174E-27	-0.36224	hypo	sig	chr13_114121713
chr10	86367455	86367455	+	2.753E-29	1.9174E-27	0.247444	hyper	sig	chr10_86367455
chr7	8444105	8444105	+	2.769E-29	1.9281E-27	0.438931	hyper	sig	chr7_8444105
chr7	93043508	93043508	+	2.776E-29	1.9327E-27	0.340431	hyper	sig	chr7_93043508
chr16	51151154	51151154	+	2.777E-29	1.9336E-27	0.438181	hyper	sig	chr16_51151154
chr1	1332084	1332084	+	2.787E-29	1.9402E-27	-0.43938	hypo	sig	chr1_1332084
chr11	31799110	31799110	+	2.789E-29	1.9414E-27	0.337035	hyper	sig	chr11_31799110
chr11	68371843	68371843	+	2.796E-29	1.9458E-27	0.217121	hyper	sig	chr11_68371843
chr19	3924482	3924482	+	2.796E-29	1.9458E-27	-0.35249	hypo	sig	chr19_3924482
chr2	1.01E+08	100821402	+	2.801E-29	1.9495E-27	-0.25851	hypo	sig	chr2_100821402
chr3	1.39E+08	138940046	+	2.803E-29	1.9507E-27	0.218166	hyper	sig	chr3_138940046
chr14	1.02E+08	101565145	+	2.809E-29	1.9546E-27	0.233719	hyper	sig	chr14_101565145
chr7	4833379	4833379	+	2.813E-29	1.957E-27	-0.26091	hypo	sig	chr7_4833379
chr10	1.23E+08	123143777	+	2.815E-29	1.9584E-27	0.336746	hyper	sig	chr10_123143777
chr6	7265179	7265179	+	2.819E-29	1.9612E-27	-0.31705	hypo	sig	chr6_7265179
chr1	1.19E+08	118987425	+	2.829E-29	1.968E-27	0.332684	hyper	sig	chr1_118987425
chr8	47763162	47763162	+	2.834E-29	1.9709E-27	0.318176	hyper	sig	chr8_47763162
chr11	1.09E+08	109423298	+	2.836E-29	1.9724E-27	0.332228	hyper	sig	chr11_109423298
chr13	1.12E+08	112055226	+	2.838E-29	1.9731E-27	0.371975	hyper	sig	chr13_112055226
chr15	78871721	78871721	+	2.842E-29	1.9758E-27	-0.29381	hypo	sig	chr15_78871721
chr16	89162562	89162562	+	2.847E-29	1.9797E-27	-0.35425	hypo	sig	chr16_89162562
chr2	2.2E+08	219556417	+	2.849E-29	1.9803E-27	-0.38645	hypo	sig	chr2_219556417
chr19	36916357	36916357	+	2.869E-29	1.9945E-27	0.216187	hyper	sig	chr19_36916357
chr6	33123580	33123580	+	2.874E-29	1.9976E-27	-0.29807	hypo	sig	chr6_33123580
chr16	30821205	30821205	+	2.874E-29	1.9978E-27	-0.40333	hypo	sig	chr16_30821205
chr12	1.2E+08	119803956	+	2.876E-29	1.999E-27	0.353163	hyper	sig	chr12_119803956
chr10	68957609	68957609	+	2.882E-29	2.003E-27	-0.29992	hypo	sig	chr10_68957609
chr2	20670361	20670361	+	2.885E-29	2.0044E-27	0.330643	hyper	sig	chr2_20670361
chr2	56192968	56192968	+	2.887E-29	2.0057E-27	-0.32667	hypo	sig	chr2_56192968
chr13	57629474	57629474	+	2.89E-29	2.0081E-27	0.337437	hyper	sig	chr13_57629474
chr9	1.14E+08	113609719	+	2.891E-29	2.0083E-27	0.331873	hyper	sig	chr9_113609719
chr4	1.51E+08	150583856	+	2.896E-29	2.0114E-27	0.361007	hyper	sig	chr4_150583856
chr19	49133275	49133275	+	2.9E-29	2.0137E-27	0.36864	hyper	sig	chr19_49133275

chr21	42668721	42668721	+	2.9E-29	2.0137E-27	0.333396	hyper	sig	chr21_42668721
chr6	88144434	88144434	+	2.903E-29	2.0159E-27	-0.26724	hypo	sig	chr6_88144434
chr3	1.95E+08	194687074	+	2.905E-29	2.0171E-27	0.210996	hyper	sig	chr3_194687074
chr18	10588983	10588983	+	2.908E-29	2.019E-27	-0.35366	hypo	sig	chr18_10588983
chr19	49142860	49142860	+	2.914E-29	2.0227E-27	0.264851	hyper	sig	chr19_49142860
chr5	1.41E+08	141374116	+	2.915E-29	2.0233E-27	0.381301	hyper	sig	chr5_141374116
chr8	52941088	52941088	+	2.916E-29	2.0238E-27	0.281476	hyper	sig	chr8_52941088
chr12	1.33E+08	132909113	+	2.921E-29	2.0275E-27	0.200015	hyper	sig	chr12_132909113
chr19	4829506	4829506	+	2.927E-29	2.0315E-27	-0.33775	hypo	sig	chr19_4829506
chr6	1.27E+08	127119330	+	2.927E-29	2.0315E-27	0.327037	hyper	sig	chr6_127119330
chr6	1.7E+08	170096679	+	2.93E-29	2.0329E-27	0.372292	hyper	sig	chr6_170096679
chr12	66837	66837	+	2.931E-29	2.0337E-27	0.256774	hyper	sig	chr12_66837
chr15	78280409	78280409	+	2.931E-29	2.0337E-27	0.279178	hyper	sig	chr15_78280409
chr16	67165555	67165555	+	2.935E-29	2.036E-27	0.357382	hyper	sig	chr16_67165555
chr16	3305322	3305322	+	2.941E-29	2.0397E-27	0.23793	hyper	sig	chr16_3305322
chr4	10114918	10114918	+	2.94E-29	2.0397E-27	0.296778	hyper	sig	chr4_10114918
chr7	93043652	93043652	+	2.947E-29	2.0436E-27	0.354277	hyper	sig	chr7_93043652
chr3	61250212	61250212	+	2.959E-29	2.0519E-27	-0.30206	hypo	sig	chr3_61250212
chr1	1.48E+08	148309523	+	2.97E-29	2.0592E-27	0.336214	hyper	sig	chr1_148309523
chr5	37840660	37840660	+	2.973E-29	2.061E-27	0.268095	hyper	sig	chr5_37840660
chr8	11703959	11703959	+	2.974E-29	2.062E-27	0.251027	hyper	sig	chr8_11703959
chr8	1.43E+08	142563234	+	2.982E-29	2.0673E-27	-0.37315	hypo	sig	chr8_142563234
chr10	80343395	80343395	+	2.984E-29	2.0687E-27	-0.31115	hypo	sig	chr10_80343395
chr20	40690628	40690628	+	2.988E-29	2.0708E-27	0.307729	hyper	sig	chr20_40690628
chr1	1.19E+08	118986737	+	2.991E-29	2.0727E-27	0.335503	hyper	sig	chr1_118986737
chr10	43846531	43846531	+	3.004E-29	2.0819E-27	-0.44849	hypo	sig	chr10_43846531
chr7	30469535	30469535	+	3.006E-29	2.0832E-27	0.293654	hyper	sig	chr7_30469535
chr5	1.46E+08	146343194	+	3.011E-29	2.0863E-27	0.261754	hyper	sig	chr5_146343194
chr6	1.08E+08	108174661	+	3.011E-29	2.0863E-27	0.369297	hyper	sig	chr6_108174661
chr1	33307158	33307158	+	3.015E-29	2.0889E-27	0.34065	hyper	sig	chr1_33307158
chr2	2.13E+08	212536805	+	3.022E-29	2.0936E-27	0.370007	hyper	sig	chr2_212536805
chr17	45262145	45262145	+	3.027E-29	2.0966E-27	0.233893	hyper	sig	chr17_45262145
chr5	1.35E+08	135039028	+	3.036E-29	2.1028E-27	0.438469	hyper	sig	chr5_135039028
chr7	97018570	97018570	+	3.041E-29	2.1059E-27	0.426019	hyper	sig	chr7_97018570
chr8	55939624	55939624	+	3.047E-29	2.11E-27	0.314416	hyper	sig	chr8_55939624
chr13	1.13E+08	113495667	+	3.047E-29	2.1101E-27	0.375655	hyper	sig	chr13_113495667
chr15	82648530	82648530	+	3.053E-29	2.1139E-27	0.398241	hyper	sig	chr15_82648530
chr16	1050632	1050632	+	3.057E-29	2.1165E-27	0.293938	hyper	sig	chr16_1050632
chr6	98825731	98825731	+	3.086E-29	2.1363E-27	0.297399	hyper	sig	chr6_98825731
chr20	16574581	16574581	+	3.088E-29	2.1371E-27	-0.28639	hypo	sig	chr20_16574581
chr5	1.29E+08	128538003	+	3.088E-29	2.1374E-27	0.35349	hyper	sig	chr5_128538003
chr8	1.44E+08	144046796	+	3.089E-29	2.1376E-27	-0.40864	hypo	sig	chr8_144046796
chr12	1.14E+08	114405841	+	3.089E-29	2.1377E-27	0.301065	hyper	sig	chr12_114405841
chr12	1.31E+08	131292978	+	3.099E-29	2.1441E-27	-0.39576	hypo	sig	chr12_131292978
chr5	51387638	51387638	+	3.103E-29	2.1471E-27	0.315209	hyper	sig	chr5_51387638
chr13	77919455	77919455	+	3.109E-29	2.1512E-27	0.30477	hyper	sig	chr13_77919455
chr2	40451964	40451964	+	3.111E-29	2.1521E-27	0.414914	hyper	sig	chr2_40451964
chr9	1.13E+08	113387858	+	3.115E-29	2.1546E-27	-0.37325	hypo	sig	chr9_113387858
chr8	1.44E+08	143732723	+	3.116E-29	2.1549E-27	-0.36517	hypo	sig	chr8_143732723
chr15	45379149	45379149	+	3.12E-29	2.1581E-27	0.262513	hyper	sig	chr15_45379149
chr10	1.33E+08	132612685	+	3.124E-29	2.1603E-27	0.365556	hyper	sig	chr10_132612685
chr1	99005269	99005269	+	3.124E-29	2.1603E-27	0.270698	hyper	sig	chr1_99005269
chr16	86511108	86511108	+	3.133E-29	2.1663E-27	0.278019	hyper	sig	chr16_86511108
chr17	61477419	61477419	+	3.133E-29	2.1663E-27	0.354982	hyper	sig	chr17_61477419
chr12	1.32E+08	132329233	+	3.136E-29	2.1682E-27	0.283099	hyper	sig	chr12_132329233
chr8	1931542	1931542	+	3.15E-29	2.1773E-27	-0.33742	hypo	sig	chr8_1931542

chr5	1.16E+08	115818953	+	3.151E-29	2.1782E-27	-0.4192	hypo	sig	chr5_115818953
chr9	87499122	87499122	+	3.152E-29	2.1785E-27	0.332136	hyper	sig	chr9_87499122
chr7	97002450	97002450	+	3.163E-29	2.186E-27	0.372093	hyper	sig	chr7_97002450
chr8	68330759	68330759	+	3.169E-29	2.1899E-27	0.359623	hyper	sig	chr8_68330759
chr5	1.46E+08	146340497	+	3.185E-29	2.2003E-27	0.36196	hyper	sig	chr5_146340497
chr9	1.3E+08	130199676	+	3.185E-29	2.2007E-27	0.367756	hyper	sig	chr9_130199676
chr17	80280160	80280160	+	3.191E-29	2.2043E-27	0.325688	hyper	sig	chr17_80280160
chr11	46296345	46296345	+	3.192E-29	2.205E-27	0.322952	hyper	sig	chr11_46296345
chr1	27403567	27403567	+	3.195E-29	2.207E-27	0.358739	hyper	sig	chr1_27403567
chr1	1.48E+08	148328947	+	3.197E-29	2.2077E-27	0.300045	hyper	sig	chr1_148328947
chr6	1.51E+08	151241517	+	3.201E-29	2.2108E-27	0.263137	hyper	sig	chr6_151241517
chr19	50639356	50639356	+	3.204E-29	2.2124E-27	0.300701	hyper	sig	chr19_50639356
chr1	1.19E+08	119007204	+	3.21E-29	2.2167E-27	0.40596	hyper	sig	chr1_119007204
chr1	3651427	3651427	+	3.218E-29	2.222E-27	0.285919	hyper	sig	chr1_3651427
chr5	1.78E+08	178165811	+	3.22E-29	2.2226E-27	0.396363	hyper	sig	chr5_178165811
chr20	62647062	62647062	+	3.221E-29	2.2236E-27	-0.34508	hypo	sig	chr20_62647062
chr12	4909344	4909344	+	3.224E-29	2.2252E-27	0.356953	hyper	sig	chr12_4909344
chr10	7409876	7409876	+	3.23E-29	2.229E-27	0.245226	hyper	sig	chr10_7409876
chr15	83107110	83107110	+	3.234E-29	2.2319E-27	0.250636	hyper	sig	chr15_83107110
chr19	2607964	2607964	+	3.234E-29	2.2319E-27	-0.31907	hypo	sig	chr19_2607964
chr5	37838465	37838465	+	3.238E-29	2.2343E-27	0.292918	hyper	sig	chr5_37838465
chr17	76709724	76709724	+	3.24E-29	2.2352E-27	0.354842	hyper	sig	chr17_76709724
chr11	65833355	65833355	+	3.247E-29	2.2399E-27	0.348278	hyper	sig	chr11_65833355
chr16	89847231	89847231	+	3.247E-29	2.2399E-27	-0.35122	hypo	sig	chr16_89847231
chr2	2.13E+08	212536748	+	3.248E-29	2.2404E-27	0.405097	hyper	sig	chr2_212536748
chr16	1378620	1378620	+	3.252E-29	2.2426E-27	-0.32354	hypo	sig	chr16_1378620
chr2	26758468	26758468	+	3.257E-29	2.2463E-27	-0.27338	hypo	sig	chr2_26758468
chr11	27720822	27720822	+	3.261E-29	2.2487E-27	0.311096	hyper	sig	chr11_27720822
chr12	1.03E+08	102961342	+	3.279E-29	2.2608E-27	0.32823	hyper	sig	chr12_102961342
chr19	33623410	33623410	+	3.291E-29	2.269E-27	0.340739	hyper	sig	chr19_33623410
chr11	31805499	31805499	+	3.292E-29	2.2694E-27	0.274834	hyper	sig	chr11_31805499
chr6	32069099	32069099	+	3.292E-29	2.2694E-27	-0.34839	hypo	sig	chr6_32069099
chr2	1.19E+08	118859249	+	3.295E-29	2.2713E-27	0.268649	hyper	sig	chr2_118859249
chr5	1.41E+08	141387797	+	3.297E-29	2.2723E-27	0.297313	hyper	sig	chr5_141387797
chr22	44172873	44172873	+	3.31E-29	2.2812E-27	-0.28077	hypo	sig	chr22_44172873
chr13	83906681	83906681	+	3.318E-29	2.2862E-27	-0.34476	hypo	sig	chr13_83906681
chr10	1.29E+08	128959438	+	3.319E-29	2.2872E-27	-0.3226	hypo	sig	chr10_128959438
chr10	23693421	23693421	+	3.324E-29	2.2901E-27	0.259153	hyper	sig	chr10_23693421
chr5	1.46E+08	146379217	+	3.324E-29	2.2903E-27	0.341079	hyper	sig	chr5_146379217
chr1	1.56E+08	156490661	+	3.326E-29	2.2914E-27	0.305143	hyper	sig	chr1_156490661
chr17	79981273	79981273	+	3.327E-29	2.2919E-27	0.301331	hyper	sig	chr17_79981273
chr2	1.19E+08	118854737	+	3.332E-29	2.295E-27	0.279019	hyper	sig	chr2_118854737
chr1	1.56E+08	156490955	+	3.333E-29	2.2954E-27	0.331353	hyper	sig	chr1_156490955
chr18	906725	906725	+	3.346E-29	2.3044E-27	0.367302	hyper	sig	chr18_906725
chr2	1.19E+08	118843053	+	3.354E-29	2.3091E-27	0.273889	hyper	sig	chr2_118843053
chr8	1.38E+08	138496570	+	3.353E-29	2.3091E-27	0.332721	hyper	sig	chr8_138496570
chr8	1.41E+08	141146979	+	3.361E-29	2.3138E-27	0.330319	hyper	sig	chr8_141146979
chr20	761109	761109	+	3.368E-29	2.3183E-27	0.36226	hyper	sig	chr20_761109
chr7	1.5E+08	149881295	+	3.368E-29	2.3183E-27	0.284399	hyper	sig	chr7_149881295
chr13	1.11E+08	110506868	+	3.385E-29	2.33E-27	-0.46842	hypo	sig	chr13_110506868
chr13	77919178	77919178	+	3.386E-29	2.3306E-27	0.301342	hyper	sig	chr13_77919178
chr12	1.2E+08	120101006	+	3.387E-29	2.3307E-27	0.328062	hyper	sig	chr12_120101006
chr16	87667335	87667335	+	3.394E-29	2.3354E-27	-0.31392	hypo	sig	chr16_87667335
chr3	1.84E+08	184337354	+	3.404E-29	2.3419E-27	0.351415	hyper	sig	chr3_184337354
chr6	1.49E+08	149485499	+	3.416E-29	2.3501E-27	-0.27674	hypo	sig	chr6_149485499
chr10	35605576	35605576	+	3.43E-29	2.36E-27	-0.3648	hypo	sig	chr10_35605576

chr16	4006342	4006342	+	3.432E-29	2.3607E-27	0.351471	hyper	sig	chr16_4006342
chr7	1.22E+08	122300984	+	3.432E-29	2.3609E-27	0.34564	hyper	sig	chr7_122300984
chr7	771653	771653	+	3.433E-29	2.3612E-27	0.37346	hyper	sig	chr7_771653
chr8	1.08E+08	108083790	+	3.436E-29	2.3631E-27	0.328446	hyper	sig	chr8_108083790
chr3	1.38E+08	137767381	+	3.439E-29	2.365E-27	0.28017	hyper	sig	chr3_137767381
chr10	7409849	7409849	+	3.443E-29	2.3677E-27	0.266424	hyper	sig	chr10_7409849
chr1	1.48E+08	148310171	+	3.451E-29	2.373E-27	0.429763	hyper	sig	chr1_148310171
chr10	55630556	55630556	+	3.458E-29	2.3771E-27	0.381635	hyper	sig	chr10_55630556
chr11	64612081	64612081	+	3.458E-29	2.3771E-27	-0.38084	hypo	sig	chr11_64612081
chr16	2236481	2236481	+	3.46E-29	2.3781E-27	0.399132	hyper	sig	chr16_2236481
chr16	89817687	89817687	+	3.464E-29	2.3807E-27	-0.30369	hypo	sig	chr16_89817687
chr5	1.41E+08	141351774	+	3.465E-29	2.3812E-27	0.319641	hyper	sig	chr5_141351774
chr5	1.56E+08	155728850	+	3.469E-29	2.384E-27	0.300179	hyper	sig	chr5_155728850
chr6	27275149	27275149	+	3.472E-29	2.3857E-27	0.31467	hyper	sig	chr6_27275149
chr8	48581957	48581957	+	3.477E-29	2.3887E-27	0.383826	hyper	sig	chr8_48581957
chr6	71421028	71421028	+	3.482E-29	2.3924E-27	0.294563	hyper	sig	chr6_71421028
chr2	1.11E+08	111366517	+	3.492E-29	2.399E-27	0.395686	hyper	sig	chr2_111366517
chr5	73420139	73420139	+	3.501E-29	2.4046E-27	0.292881	hyper	sig	chr5_73420139
chr12	57727730	57727730	+	3.507E-29	2.4085E-27	0.406752	hyper	sig	chr12_57727730
chr13	36674816	36674816	+	3.508E-29	2.409E-27	0.342581	hyper	sig	chr13_36674816
chr2	74515179	74515179	+	3.514E-29	2.4135E-27	0.359848	hyper	sig	chr2_74515179
chr7	1.56E+08	155787130	+	3.518E-29	2.4159E-27	0.283786	hyper	sig	chr7_155787130
chr1	2.28E+08	227944265	+	3.523E-29	2.4192E-27	0.284367	hyper	sig	chr1_227944265
chr15	78280461	78280461	+	3.527E-29	2.4215E-27	0.277729	hyper	sig	chr15_78280461
chr5	1876176	1876176	+	3.531E-29	2.424E-27	0.284455	hyper	sig	chr5_1876176
chr1	2.29E+08	229407303	+	3.535E-29	2.4267E-27	0.40452	hyper	sig	chr1_229407303
chr20	36876041	36876041	+	3.545E-29	2.433E-27	-0.36908	hypo	sig	chr20_36876041
chr3	1.47E+08	147392611	+	3.554E-29	2.439E-27	0.294416	hyper	sig	chr3_147392611
chr8	1.2E+08	120125284	+	3.556E-29	2.4404E-27	0.283623	hyper	sig	chr8_120125284
chr17	80942576	80942576	+	3.558E-29	2.4416E-27	0.432557	hyper	sig	chr17_80942576
chr7	1753567	1753567	+	3.579E-29	2.4555E-27	-0.3086	hypo	sig	chr7_1753567
chr5	1.41E+08	141330870	+	3.596E-29	2.4669E-27	0.337325	hyper	sig	chr5_141330870
chr18	36188533	36188533	+	3.597E-29	2.4676E-27	-0.2889	hypo	sig	chr18_36188533
chr1	1.79E+08	179365041	+	3.598E-29	2.4679E-27	-0.35418	hypo	sig	chr1_179365041
chr20	31996806	31996806	+	3.602E-29	2.4704E-27	-0.35055	hypo	sig	chr20_31996806
chr4	1.51E+08	150582986	+	3.609E-29	2.4753E-27	0.387689	hyper	sig	chr4_150582986
chr14	73790433	73790433	+	3.626E-29	2.4865E-27	0.378551	hyper	sig	chr14_73790433
chr19	37551221	37551221	+	3.631E-29	2.4902E-27	0.341965	hyper	sig	chr19_37551221
chr5	42944341	42944341	+	3.646E-29	2.5001E-27	0.387042	hyper	sig	chr5_42944341
chr19	50563822	50563822	+	3.647E-29	2.5006E-27	-0.35742	hypo	sig	chr19_50563822
chr2	1.71E+08	170815281	+	3.658E-29	2.5077E-27	0.320883	hyper	sig	chr2_170815281
chr21	44958449	44958449	+	3.659E-29	2.5083E-27	0.377468	hyper	sig	chr21_44958449
chr7	85186217	85186217	+	3.665E-29	2.5123E-27	0.346363	hyper	sig	chr7_85186217
chr17	80067630	80067630	+	3.69E-29	2.5289E-27	-0.30958	hypo	sig	chr17_80067630
chr5	77638834	77638834	+	3.695E-29	2.5322E-27	0.367423	hyper	sig	chr5_77638834
chr7	169697	169697	+	3.695E-29	2.5322E-27	-0.27613	hypo	sig	chr7_169697
chr1	57422947	57422947	+	3.698E-29	2.5339E-27	0.287962	hyper	sig	chr1_57422947
chr10	27746299	27746299	+	3.703E-29	2.5373E-27	0.240232	hyper	sig	chr10_27746299
chr3	1.88E+08	187696125	+	3.706E-29	2.5387E-27	-0.36416	hypo	sig	chr3_187696125
chr8	55103225	55103225	+	3.721E-29	2.5487E-27	0.397649	hyper	sig	chr8_55103225
chr7	4810624	4810624	+	3.722E-29	2.5493E-27	-0.36939	hypo	sig	chr7_4810624
chr3	23741356	23741356	+	3.723E-29	2.5497E-27	-0.34016	hypo	sig	chr3_23741356
chr20	25084824	25084824	+	3.723E-29	2.55E-27	0.334596	hyper	sig	chr20_25084824
chr5	3286130	3286130	+	3.744E-29	2.5636E-27	-0.29957	hypo	sig	chr5_3286130
chr17	1187010	1187010	+	3.747E-29	2.566E-27	0.320759	hyper	sig	chr17_1187010
chr3	1.47E+08	147411397	+	3.76E-29	2.5745E-27	0.349224	hyper	sig	chr3_147411397

chr3	1.28E+08	128486319	+	3.769E-29	2.5805E-27	0.292269	hyper	sig	chr3_128486319
chr20	21396359	21396359	+	3.777E-29	2.5855E-27	0.308879	hyper	sig	chr20_21396359
chr10	49614706	49614706	+	3.778E-29	2.5859E-27	0.308449	hyper	sig	chr10_49614706
chr13	21319150	21319150	+	3.778E-29	2.5861E-27	0.400025	hyper	sig	chr13_21319150
chr1	3650750	3650750	+	3.816E-29	2.612E-27	0.301023	hyper	sig	chr1_3650750
chr4	4862593	4862593	+	3.817E-29	2.6124E-27	0.326418	hyper	sig	chr4_4862593
chr1	1.48E+08	148354819	+	3.831E-29	2.6218E-27	0.270887	hyper	sig	chr1_148354819
chr3	1.6E+08	160039209	+	3.845E-29	2.6308E-27	0.272069	hyper	sig	chr3_160039209
chr6	1.06E+08	105986572	+	3.846E-29	2.6317E-27	0.313826	hyper	sig	chr6_105986572
chr1	14599485	14599485	+	3.849E-29	2.6332E-27	0.291836	hyper	sig	chr1_14599485
chr16	67964093	67964093	+	3.854E-29	2.6362E-27	0.366629	hyper	sig	chr16_67964093
chr1	24931131	24931131	+	3.856E-29	2.6377E-27	0.421894	hyper	sig	chr1_24931131
chr7	8442469	8442469	+	3.862E-29	2.6413E-27	0.352209	hyper	sig	chr7_8442469
chr11	1.3E+08	129743708	+	3.881E-29	2.654E-27	-0.37153	hypo	sig	chr11_129743708
chr12	29783561	29783561	+	3.884E-29	2.6559E-27	0.264198	hyper	sig	chr12_29783561
chr14	23369592	23369592	+	3.889E-29	2.6589E-27	-0.35913	hypo	sig	chr14_23369592
chr12	1.31E+08	131124771	+	3.9E-29	2.6666E-27	-0.3839	hypo	sig	chr12_131124771
chr17	80478211	80478211	+	3.901E-29	2.6666E-27	0.344651	hyper	sig	chr17_80478211
chr17	79178566	79178566	+	3.909E-29	2.6721E-27	-0.35277	hypo	sig	chr17_79178566
chr4	3766911	3766911	+	3.918E-29	2.6785E-27	0.316902	hyper	sig	chr4_3766911
chr7	1.58E+08	157553934	+	3.934E-29	2.6887E-27	-0.36559	hypo	sig	chr7_157553934
chr17	30559018	30559018	+	3.938E-29	2.6911E-27	-0.2838	hypo	sig	chr17_30559018
chr3	1.7E+08	169822604	+	3.942E-29	2.694E-27	-0.45377	hypo	sig	chr3_169822604
chr15	89409110	89409110	+	3.944E-29	2.6952E-27	0.347507	hyper	sig	chr15_89409110
chr11	27234231	27234231	+	3.95E-29	2.699E-27	-0.27807	hypo	sig	chr11_27234231
chr3	1.98E+08	198081809	+	3.969E-29	2.7116E-27	0.399521	hyper	sig	chr3_198081809
chr10	510478	510478	+	3.984E-29	2.7211E-27	0.332223	hyper	sig	chr10_510478
chr13	52848569	52848569	+	3.983E-29	2.7211E-27	0.261268	hyper	sig	chr13_52848569
chr11	43545114	43545114	+	3.985E-29	2.7222E-27	-0.28206	hypo	sig	chr11_43545114
chr12	70920503	70920503	+	3.995E-29	2.7285E-27	0.33827	hyper	sig	chr12_70920503
chr16	1461192	1461192	+	3.995E-29	2.7285E-27	0.304687	hyper	sig	chr16_1461192
chr2	2.32E+08	231927254	+	3.996E-29	2.729E-27	0.291842	hyper	sig	chr2_231927254
chr14	62117795	62117795	+	4.007E-29	2.7357E-27	0.279809	hyper	sig	chr14_62117795
chr4	5710961	5710961	+	4.009E-29	2.7374E-27	0.343531	hyper	sig	chr4_5710961
chr6	29553481	29553481	+	4.01E-29	2.7379E-27	0.31523	hyper	sig	chr6_29553481
chr1	1357258	1357258	+	4.013E-29	2.7395E-27	0.338287	hyper	sig	chr1_1357258
chr22	46374298	46374298	+	4.026E-29	2.7483E-27	-0.27734	hypo	sig	chr22_46374298
chr8	1.43E+08	143369480	+	4.027E-29	2.7487E-27	-0.24936	hypo	sig	chr8_143369480
chr22	36300981	36300981	+	4.028E-29	2.749E-27	0.292971	hyper	sig	chr22_36300981
chr15	48644114	48644114	+	4.041E-29	2.757E-27	0.345142	hyper	sig	chr15_48644114
chr5	1876172	1876172	+	4.041E-29	2.757E-27	0.293668	hyper	sig	chr5_1876172
chr5	33297789	33297789	+	4.041E-29	2.757E-27	-0.34657	hypo	sig	chr5_33297789
chr18	21703307	21703307	+	4.05E-29	2.763E-27	-0.37004	hypo	sig	chr18_21703307
chr17	1780167	1780167	+	4.051E-29	2.7632E-27	0.305502	hyper	sig	chr17_1780167
chr4	4383299	4383299	+	4.054E-29	2.7652E-27	-0.35404	hypo	sig	chr4_4383299
chr2	94994375	94994375	+	4.055E-29	2.7652E-27	-0.34592	hypo	sig	chr2_94994375
chr7	19145802	19145802	+	4.055E-29	2.7656E-27	0.305391	hyper	sig	chr7_19145802
chr4	4864364	4864364	+	4.059E-29	2.7676E-27	0.374154	hyper	sig	chr4_4864364
chr13	35697855	35697855	+	4.062E-29	2.7697E-27	-0.46893	hypo	sig	chr13_35697855
chr1	2.21E+08	220882227	+	4.063E-29	2.7703E-27	0.354675	hyper	sig	chr1_220882227
chr6	30490742	30490742	+	4.067E-29	2.7727E-27	-0.31023	hypo	sig	chr6_30490742
chr1	47445304	47445304	+	4.069E-29	2.7734E-27	0.255973	hyper	sig	chr1_47445304
chr10	1.01E+08	100830480	+	4.069E-29	2.7734E-27	0.247081	hyper	sig	chr10_100830480
chr7	75395402	75395402	+	4.072E-29	2.7754E-27	0.403063	hyper	sig	chr7_75395402
chr4	1.51E+08	150581794	+	4.083E-29	2.7827E-27	0.361395	hyper	sig	chr4_150581794
chr7	27106705	27106705	+	4.087E-29	2.7848E-27	0.411133	hyper	sig	chr7_27106705

chr10	55631310	55631310	+	4.09E-29	2.7867E-27	0.371614	hyper	sig	chr10_55631310
chr3	54034043	54034043	+	4.099E-29	2.7927E-27	-0.34976	hypo	sig	chr3_54034043
chr8	1.38E+08	138496562	+	4.099E-29	2.7927E-27	0.338875	hyper	sig	chr8_138496562
chr8	1.43E+08	142770667	+	4.101E-29	2.7935E-27	-0.40392	hypo	sig	chr8_142770667
chr7	97024380	97024380	+	4.105E-29	2.7962E-27	0.329997	hyper	sig	chr7_97024380
chr18	904898	904898	+	4.112E-29	2.8008E-27	0.32807	hyper	sig	chr18_904898
chr10	486300	486300	+	4.135E-29	2.816E-27	0.333064	hyper	sig	chr10_486300
chr6	28816792	28816792	+	4.135E-29	2.816E-27	0.286145	hyper	sig	chr6_28816792
chr2	2.22E+08	222312219	+	4.138E-29	2.8176E-27	0.239246	hyper	sig	chr2_222312219
chr1	2E+08	200035452	+	4.14E-29	2.8189E-27	0.263406	hyper	sig	chr1_200035452
chr5	1.51E+08	150946387	+	4.142E-29	2.8198E-27	0.375315	hyper	sig	chr5_150946387
chr8	54134695	54134695	+	4.148E-29	2.824E-27	-0.34111	hypo	sig	chr8_54134695
chr8	72251625	72251625	+	4.154E-29	2.8272E-27	0.267871	hyper	sig	chr8_72251625
chr7	1.52E+08	151844938	+	4.161E-29	2.8318E-27	-0.29361	hypo	sig	chr7_151844938
chr12	10117786	10117786	+	4.172E-29	2.839E-27	-0.30459	hypo	sig	chr12_10117786
chr13	1.12E+08	112069107	+	4.178E-29	2.8429E-27	0.370059	hyper	sig	chr13_112069107
chr17	29572558	29572558	+	4.199E-29	2.8574E-27	0.376173	hyper	sig	chr17_29572558
chr17	79711859	79711859	+	4.2E-29	2.8576E-27	-0.4005	hypo	sig	chr17_79711859
chr13	23147899	23147899	+	4.202E-29	2.8584E-27	-0.33265	hypo	sig	chr13_23147899
chr7	1742552	1742552	+	4.202E-29	2.8584E-27	-0.425	hypo	sig	chr7_1742552
chr6	89118388	89118388	+	4.206E-29	2.8611E-27	0.342189	hyper	sig	chr6_89118388
chr3	1.4E+08	139939911	+	4.208E-29	2.8621E-27	-0.34631	hypo	sig	chr3_139939911
chr19	2093897	2093897	+	4.216E-29	2.8675E-27	0.387081	hyper	sig	chr19_2093897
chr13	52849805	52849805	+	4.227E-29	2.8744E-27	0.316088	hyper	sig	chr13_52849805
chr1	2.02E+08	202010718	+	4.227E-29	2.8746E-27	-0.30021	hypo	sig	chr1_202010718
chr14	20435447	20435447	+	4.239E-29	2.8823E-27	0.411662	hyper	sig	chr14_20435447
chr5	1.41E+08	141485134	+	4.246E-29	2.8865E-27	0.323112	hyper	sig	chr5_141485134
chr16	51151465	51151465	+	4.249E-29	2.8883E-27	0.31583	hyper	sig	chr16_51151465
chr2	2.27E+08	226798453	+	4.268E-29	2.9013E-27	0.265609	hyper	sig	chr2_226798453
chr22	20086005	20086005	+	4.273E-29	2.9042E-27	0.308775	hyper	sig	chr22_20086005
chr4	1.56E+08	155760233	+	4.285E-29	2.9123E-27	0.229153	hyper	sig	chr4_155760233
chr2	63053908	63053908	+	4.296E-29	2.9194E-27	0.356392	hyper	sig	chr2_63053908
chr11	2591631	2591631	+	4.305E-29	2.9254E-27	0.269587	hyper	sig	chr11_2591631
chr7	93043564	93043564	+	4.306E-29	2.9257E-27	0.342825	hyper	sig	chr7_93043564
chr8	23710071	23710071	+	4.307E-29	2.926E-27	0.281035	hyper	sig	chr8_23710071
chr3	1.47E+08	147423499	+	4.319E-29	2.9341E-27	0.326588	hyper	sig	chr3_147423499
chr16	2967547	2967547	+	4.321E-29	2.9356E-27	0.337494	hyper	sig	chr16_2967547
chr17	3916566	3916566	+	4.34E-29	2.9482E-27	-0.22967	hypo	sig	chr17_3916566
chr8	24914754	24914754	+	4.341E-29	2.9484E-27	0.287468	hyper	sig	chr8_24914754
chr11	1.09E+08	109423446	+	4.348E-29	2.9527E-27	0.287151	hyper	sig	chr11_109423446
chr4	1.64E+08	164383291	+	4.348E-29	2.9527E-27	0.304474	hyper	sig	chr4_164383291
chr13	1.13E+08	113420378	+	4.351E-29	2.9542E-27	-0.40186	hypo	sig	chr13_113420378
chr2	8574287	8574287	+	4.357E-29	2.9586E-27	-0.33502	hypo	sig	chr2_8574287
chr13	1.12E+08	112132393	+	4.362E-29	2.9615E-27	-0.38954	hypo	sig	chr13_112132393
chr7	19106612	19106612	+	4.362E-29	2.9615E-27	0.326684	hyper	sig	chr7_19106612
chr5	1241650	1241650	+	4.378E-29	2.9715E-27	0.322254	hyper	sig	chr5_1241650
chr1	2074159	2074159	+	4.385E-29	2.9763E-27	0.340742	hyper	sig	chr1_2074159
chr3	1.47E+08	147411235	+	4.395E-29	2.9829E-27	0.387656	hyper	sig	chr3_147411235
chr2	1.32E+08	132257074	+	4.402E-29	2.9872E-27	0.388429	hyper	sig	chr2_132257074
chr6	6004571	6004571	+	4.405E-29	2.9889E-27	0.321551	hyper	sig	chr6_6004571
chr19	5851577	5851577	+	4.417E-29	2.9967E-27	-0.34322	hypo	sig	chr19_5851577
chr5	1394500	1394500	+	4.433E-29	3.0076E-27	0.344248	hyper	sig	chr5_1394500
chr19	5036969	5036969	+	4.437E-29	3.0104E-27	0.319819	hyper	sig	chr19_5036969
chr6	1.27E+08	127119346	+	4.438E-29	3.0108E-27	0.359304	hyper	sig	chr6_127119346
chr13	98571140	98571140	+	4.468E-29	3.0304E-27	-0.3689	hypo	sig	chr13_98571140
chr8	21788690	21788690	+	4.471E-29	3.0324E-27	0.266469	hyper	sig	chr8_21788690

chr14	1.05E+08	104638589	+	4.476E-29	3.0354E-27	-0.30959	hypo	sig	chr14_104638589
chr7	1709106	1709106	+	4.487E-29	3.0428E-27	-0.2857	hypo	sig	chr7_1709106
chr2	2.19E+08	219057601	+	4.492E-29	3.0458E-27	0.296884	hyper	sig	chr2_219057601
chr19	871130	871130	+	4.493E-29	3.046E-27	0.300412	hyper	sig	chr19_871130
chr10	1.01E+08	101223660	+	4.495E-29	3.0477E-27	0.320504	hyper	sig	chr10_101223660
chr19	57192003	57192003	+	4.497E-29	3.0485E-27	0.214278	hyper	sig	chr19_57192003
chr2	9319003	9319003	+	4.503E-29	3.0521E-27	0.30205	hyper	sig	chr2_9319003
chr3	64684783	64684783	+	4.505E-29	3.0533E-27	0.401188	hyper	sig	chr3_64684783
chr1	19816069	19816069	+	4.51E-29	3.0563E-27	-0.31179	hypo	sig	chr1_19816069
chr1	3651347	3651347	+	4.519E-29	3.0625E-27	0.302319	hyper	sig	chr1_3651347
chr13	38690828	38690828	+	4.522E-29	3.0643E-27	-0.29762	hypo	sig	chr13_38690828
chr8	49909734	49909734	+	4.523E-29	3.0647E-27	0.334178	hyper	sig	chr8_49909734
chr1	2.28E+08	228212563	+	4.531E-29	3.0699E-27	0.456647	hyper	sig	chr1_228212563
chr7	3302038	3302038	+	4.539E-29	3.0749E-27	0.288329	hyper	sig	chr7_3302038
chr2	2.41E+08	241035490	+	4.544E-29	3.0778E-27	0.319082	hyper	sig	chr2_241035490
chr19	2424833	2424833	+	4.558E-29	3.0875E-27	0.341262	hyper	sig	chr19_2424833
chr8	88328150	88328150	+	4.559E-29	3.0876E-27	0.366288	hyper	sig	chr8_88328150
chr17	17811068	17811068	+	4.564E-29	3.091E-27	0.310252	hyper	sig	chr17_17811068
chr7	1.59E+08	159233972	+	4.568E-29	3.0934E-27	-0.40575	hypo	sig	chr7_159233972
chr20	3668600	3668600	+	4.569E-29	3.0936E-27	-0.31692	hypo	sig	chr20_3668600
chr12	1.24E+08	124388793	+	4.583E-29	3.1026E-27	0.334762	hyper	sig	chr12_124388793
chr15	74236222	74236222	+	4.584E-29	3.1033E-27	-0.33741	hypo	sig	chr15_74236222
chr16	66579204	66579204	+	4.585E-29	3.1035E-27	0.268732	hyper	sig	chr16_66579204
chr1	32753645	32753645	+	4.588E-29	3.1054E-27	0.396537	hyper	sig	chr1_32753645
chr5	42943966	42943966	+	4.597E-29	3.1112E-27	0.377685	hyper	sig	chr5_42943966
chr1	23949346	23949346	+	4.602E-29	3.1135E-27	-0.33673	hypo	sig	chr1_23949346
chr17	80178370	80178370	+	4.601E-29	3.1135E-27	-0.30393	hypo	sig	chr17_80178370
chr20	17315170	17315170	+	4.602E-29	3.1135E-27	-0.39092	hypo	sig	chr20_17315170
chr8	739968	739968	+	4.601E-29	3.1135E-27	0.297328	hyper	sig	chr8_739968
chr11	1.2E+08	119590521	+	4.609E-29	3.1179E-27	-0.42373	hypo	sig	chr11_119590521
chr19	43820793	43820793	+	4.61E-29	3.1186E-27	0.283035	hyper	sig	chr19_43820793
chr7	1.58E+08	157527822	+	4.615E-29	3.1217E-27	-0.3665	hypo	sig	chr7_157527822
chr19	19514548	19514548	+	4.618E-29	3.1232E-27	0.345038	hyper	sig	chr19_19514548
chr10	1.28E+08	127737768	+	4.63E-29	3.1311E-27	0.355308	hyper	sig	chr10_127737768
chr1	1.8E+08	179743205	+	4.643E-29	3.1398E-27	0.259904	hyper	sig	chr1_179743205
chr12	1.14E+08	114403866	+	4.661E-29	3.1518E-27	0.405972	hyper	sig	chr12_114403866
chr3	5095945	5095945	+	4.67E-29	3.1577E-27	0.32532	hyper	sig	chr3_5095945
chr1	2.21E+08	220882197	+	4.671E-29	3.1579E-27	0.383	hyper	sig	chr1_220882197
chr4	2812339	2812339	+	4.675E-29	3.1602E-27	-0.3289	hypo	sig	chr4_2812339
chr19	57477814	57477814	+	4.675E-29	3.1605E-27	0.242939	hyper	sig	chr19_57477814
chr11	69115966	69115966	+	4.678E-29	3.1617E-27	-0.37271	hypo	sig	chr11_69115966
chr18	905018	905018	+	4.681E-29	3.1634E-27	0.32678	hyper	sig	chr18_905018
chr21	26967068	26967068	+	4.686E-29	3.1666E-27	0.325314	hyper	sig	chr21_26967068
chr19	55647464	55647464	+	4.688E-29	3.1681E-27	0.352661	hyper	sig	chr19_55647464
chr1	2.21E+08	220895534	+	4.696E-29	3.1732E-27	0.377122	hyper	sig	chr1_220895534
chr19	21474824	21474824	+	4.707E-29	3.18E-27	0.302492	hyper	sig	chr19_21474824
chr19	45767011	45767011	+	4.71E-29	3.1819E-27	0.358298	hyper	sig	chr19_45767011
chr1	2.29E+08	229407817	+	4.725E-29	3.192E-27	0.307155	hyper	sig	chr1_229407817
chr7	85185826	85185826	+	4.744E-29	3.2041E-27	0.24043	hyper	sig	chr7_85185826
chr6	31766076	31766076	+	4.751E-29	3.2092E-27	0.308136	hyper	sig	chr6_31766076
chr19	37251925	37251925	+	4.76E-29	3.2145E-27	0.317942	hyper	sig	chr19_37251925
chr7	27106690	27106690	+	4.761E-29	3.2151E-27	0.394336	hyper	sig	chr7_27106690
chr11	1.19E+08	118531516	+	4.781E-29	3.2286E-27	0.229732	hyper	sig	chr11_118531516
chr16	4376433	4376433	+	4.802E-29	3.242E-27	0.368473	hyper	sig	chr16_4376433
chr5	1.79E+08	179023630	+	4.812E-29	3.249E-27	0.206089	hyper	sig	chr5_179023630
chr22	33058630	33058630	+	4.824E-29	3.2566E-27	0.296527	hyper	sig	chr22_33058630

chr5	42993991	42993991	+	4.829E-29	3.2598E-27	0.276467	hyper	sig	chr5_42993991
chr12	1.1E+08	109773990	+	4.834E-29	3.2626E-27	-0.29709	hypo	sig	chr12_109773990
chr13	42574165	42574165	+	4.844E-29	3.2696E-27	0.33506	hyper	sig	chr13_42574165
chr19	22263224	22263224	+	4.852E-29	3.2746E-27	-0.33121	hypo	sig	chr19_22263224
chr8	79615369	79615369	+	4.862E-29	3.2806E-27	-0.292	hypo	sig	chr8_79615369
chr17	42653861	42653861	+	4.869E-29	3.2853E-27	0.283746	hyper	sig	chr17_42653861
chr14	1.05E+08	104637375	+	4.894E-29	3.3016E-27	-0.43133	hypo	sig	chr14_104637375
chr8	1931545	1931545	+	4.897E-29	3.3035E-27	-0.34444	hypo	sig	chr8_1931545
chr14	41608166	41608166	+	4.932E-29	3.3267E-27	0.461374	hyper	sig	chr14_41608166
chr11	1.23E+08	122981721	+	4.946E-29	3.336E-27	0.309175	hyper	sig	chr11_122981721
chr13	94968709	94968709	+	4.949E-29	3.338E-27	0.375889	hyper	sig	chr13_94968709
chr16	1169468	1169468	+	4.969E-29	3.3509E-27	0.423352	hyper	sig	chr16_1169468
chr5	45695185	45695185	+	4.981E-29	3.3588E-27	0.401125	hyper	sig	chr5_45695185
chr2	74415745	74415745	+	4.984E-29	3.3603E-27	0.328503	hyper	sig	chr2_74415745
chr12	1.14E+08	114439628	+	4.993E-29	3.3663E-27	0.380065	hyper	sig	chr12_114439628
chr5	51389756	51389756	+	4.995E-29	3.3678E-27	0.314305	hyper	sig	chr5_51389756
chr4	26804659	26804659	+	4.997E-29	3.3683E-27	0.315623	hyper	sig	chr4_26804659
chr7	1.56E+08	155509159	+	5.011E-29	3.3776E-27	0.297492	hyper	sig	chr7_155509159
chr10	26218354	26218354	+	5.023E-29	3.3854E-27	0.311554	hyper	sig	chr10_26218354
chr16	1482469	1482469	+	5.033E-29	3.3917E-27	-0.42844	hypo	sig	chr16_1482469
chr7	97022841	97022841	+	5.043E-29	3.3984E-27	0.292148	hyper	sig	chr7_97022841
chr13	42574155	42574155	+	5.054E-29	3.4056E-27	0.345092	hyper	sig	chr13_42574155
chr7	1123820	1123820	+	5.058E-29	3.4079E-27	0.340697	hyper	sig	chr7_1123820
chr19	48551770	48551770	+	5.062E-29	3.4104E-27	-0.33768	hypo	sig	chr19_48551770
chr3	43998030	43998030	+	5.077E-29	3.4203E-27	0.289775	hyper	sig	chr3_43998030
chr7	4225692	4225692	+	5.081E-29	3.4227E-27	-0.32733	hypo	sig	chr7_4225692
chr10	1.03E+08	102620831	+	5.087E-29	3.4262E-27	0.359913	hyper	sig	chr10_102620831
chr1	24535425	24535425	+	5.089E-29	3.4277E-27	-0.31285	hypo	sig	chr1_24535425
chr8	1.42E+08	141974111	+	5.092E-29	3.4291E-27	-0.30044	hypo	sig	chr8_141974111
chr13	78607970	78607970	+	5.1E-29	3.4343E-27	0.38425	hyper	sig	chr13_78607970
chr20	761131	761131	+	5.105E-29	3.4371E-27	0.372201	hyper	sig	chr20_761131
chr13	38688085	38688085	+	5.119E-29	3.4464E-27	0.31477	hyper	sig	chr13_38688085
chr11	8168737	8168737	+	5.12E-29	3.447E-27	0.422102	hyper	sig	chr11_8168737
chr8	64585924	64585924	+	5.128E-29	3.4518E-27	0.328301	hyper	sig	chr8_64585924
chr7	32070569	32070569	+	5.129E-29	3.4525E-27	0.313427	hyper	sig	chr7_32070569
chr7	94394954	94394954	+	5.132E-29	3.454E-27	0.306253	hyper	sig	chr7_94394954
chr5	88672855	88672855	+	5.142E-29	3.4604E-27	0.312237	hyper	sig	chr5_88672855
chr10	1.33E+08	133087714	+	5.164E-29	3.4753E-27	0.248024	hyper	sig	chr10_133087714
chr2	45759427	45759427	+	5.176E-29	3.4826E-27	0.408114	hyper	sig	chr2_45759427
chr5	1.41E+08	141403210	+	5.179E-29	3.4847E-27	0.326891	hyper	sig	chr5_141403210
chr4	4861667	4861667	+	5.182E-29	3.4866E-27	0.334973	hyper	sig	chr4_4861667
chr18	80081753	80081753	+	5.199E-29	3.4975E-27	-0.39638	hypo	sig	chr18_80081753
chr10	43846555	43846555	+	5.203E-29	3.5002E-27	-0.46397	hypo	sig	chr10_43846555
chr9	1.1E+08	110208310	+	5.205E-29	3.5011E-27	-0.32661	hypo	sig	chr9_110208310
chr3	9902144	9902144	+	5.207E-29	3.5018E-27	-0.29281	hypo	sig	chr3_9902144
chr13	24932024	24932024	+	5.215E-29	3.5068E-27	0.349689	hyper	sig	chr13_24932024
chr15	88256093	88256093	+	5.224E-29	3.5128E-27	0.304354	hyper	sig	chr15_88256093
chr22	39456739	39456739	+	5.225E-29	3.5128E-27	0.387847	hyper	sig	chr22_39456739
chr3	48425363	48425363	+	5.224E-29	3.5128E-27	0.339214	hyper	sig	chr3_48425363
chr7	97013396	97013396	+	5.226E-29	3.5133E-27	0.341598	hyper	sig	chr7_97013396
chr8	96159753	96159753	+	5.238E-29	3.5209E-27	0.320221	hyper	sig	chr8_96159753
chr1	2E+08	200041694	+	5.239E-29	3.5213E-27	0.418243	hyper	sig	chr1_200041694
chr8	23343970	23343970	+	5.247E-29	3.5264E-27	0.379477	hyper	sig	chr8_23343970
chr11	69382501	69382501	+	5.254E-29	3.5313E-27	-0.34996	hypo	sig	chr11_69382501
chr6	26743502	26743502	+	5.26E-29	3.5346E-27	0.366718	hyper	sig	chr6_26743502
chr6	29793046	29793046	+	5.268E-29	3.5401E-27	0.24903	hyper	sig	chr6_29793046

chr1	12063468	12063468	+	5.274E-29	3.5434E-27	0.232398	hyper	sig	chr1_12063468
chr16	1062257	1062257	+	5.277E-29	3.5453E-27	-0.39432	hypo	sig	chr16_1062257
chr7	35255271	35255271	+	5.288E-29	3.5522E-27	0.418498	hyper	sig	chr7_35255271
chr3	62373992	62373992	+	5.31E-29	3.5665E-27	0.302129	hyper	sig	chr3_62373992
chr1	15101741	15101741	+	5.319E-29	3.5729E-27	-0.41675	hypo	sig	chr1_15101741
chr12	72271994	72271994	+	5.332E-29	3.5805E-27	0.296128	hyper	sig	chr12_72271994
chr15	34495719	34495719	+	5.332E-29	3.5805E-27	0.2941	hyper	sig	chr15_34495719
chr17	64779001	64779001	+	5.343E-29	3.588E-27	0.385769	hyper	sig	chr17_64779001
chr2	1.2E+08	120465958	+	5.347E-29	3.5901E-27	-0.44427	hypo	sig	chr2_120465958
chr11	65355838	65355838	+	5.349E-29	3.5913E-27	0.374833	hyper	sig	chr11_65355838
chr9	970654	970654	+	5.387E-29	3.6163E-27	0.268955	hyper	sig	chr9_970654
chr6	32844976	32844976	+	5.414E-29	3.6341E-27	-0.28657	hypo	sig	chr6_32844976
chr2	5932787	5932787	+	5.415E-29	3.635E-27	0.295561	hyper	sig	chr2_5932787
chr17	45844844	45844844	+	5.417E-29	3.6357E-27	-0.33314	hypo	sig	chr17_45844844
chr7	5300650	5300650	+	5.419E-29	3.6365E-27	-0.32203	hypo	sig	chr7_5300650
chr12	64826518	64826518	+	5.428E-29	3.6427E-27	0.268075	hyper	sig	chr12_64826518
chr3	1.97E+08	197004300	+	5.432E-29	3.645E-27	-0.33236	hypo	sig	chr3_197004300
chr7	1.57E+08	157020293	+	5.447E-29	3.6544E-27	0.347812	hyper	sig	chr7_157020293
chr13	94706908	94706908	+	5.455E-29	3.6595E-27	0.322808	hyper	sig	chr13_94706908
chr1	1.19E+08	119000531	+	5.474E-29	3.6724E-27	0.333333	hyper	sig	chr1_119000531
chr2	1743081	1743081	+	5.475E-29	3.6728E-27	0.313555	hyper	sig	chr2_1743081
chr1	24931734	24931734	+	5.485E-29	3.6792E-27	0.378539	hyper	sig	chr1_24931734
chr2	2.39E+08	239199545	+	5.493E-29	3.6838E-27	0.322585	hyper	sig	chr2_239199545
chr4	1.47E+08	146640606	+	5.502E-29	3.6897E-27	0.342197	hyper	sig	chr4_146640606
chr19	57351077	57351077	+	5.509E-29	3.6939E-27	0.242943	hyper	sig	chr19_57351077
chr1	2.01E+08	200892469	+	5.525E-29	3.7043E-27	-0.37329	hypo	sig	chr1_200892469
chr14	41609709	41609709	+	5.545E-29	3.7171E-27	0.355257	hyper	sig	chr14_41609709
chr2	1.15E+08	115162652	+	5.545E-29	3.7171E-27	0.356636	hyper	sig	chr2_115162652
chr5	1.5E+08	150303232	+	5.545E-29	3.7171E-27	0.293311	hyper	sig	chr5_150303232
chr4	80267254	80267254	+	5.55E-29	3.7204E-27	0.280958	hyper	sig	chr4_80267254
chr14	64550358	64550358	+	5.555E-29	3.7234E-27	-0.26994	hypo	sig	chr14_64550358
chr9	1.34E+08	134387555	+	5.56E-29	3.7264E-27	0.319053	hyper	sig	chr9_134387555
chr1	1.19E+08	119007221	+	5.589E-29	3.7455E-27	0.399432	hyper	sig	chr1_119007221
chr19	36973520	36973520	+	5.592E-29	3.7473E-27	0.344663	hyper	sig	chr19_36973520
chr7	93043619	93043619	+	5.593E-29	3.7475E-27	0.355594	hyper	sig	chr7_93043619
chr13	77919577	77919577	+	5.607E-29	3.7561E-27	0.26912	hyper	sig	chr13_77919577
chr4	80266042	80266042	+	5.633E-29	3.7736E-27	0.284665	hyper	sig	chr4_80266042
chr1	7784765	7784765	+	5.647E-29	3.7826E-27	0.382888	hyper	sig	chr1_7784765
chr19	1467030	1467030	+	5.665E-29	3.7946E-27	0.333681	hyper	sig	chr19_1467030
chr7	93043676	93043676	+	5.684E-29	3.8069E-27	0.348243	hyper	sig	chr7_93043676
chr6	1.19E+08	119348175	+	5.685E-29	3.8071E-27	-0.21058	hypo	sig	chr6_119348175
chr1	8333999	8333999	+	5.718E-29	3.8292E-27	-0.29466	hypo	sig	chr1_8333999
chr7	56115923	56115923	+	5.745E-29	3.8466E-27	0.326837	hyper	sig	chr7_56115923
chr6	30986373	30986373	+	5.749E-29	3.8487E-27	-0.28852	hypo	sig	chr6_30986373
chr11	3218702	3218702	+	5.765E-29	3.8594E-27	-0.36994	hypo	sig	chr11_3218702
chr4	1.54E+08	154491252	+	5.766E-29	3.8596E-27	0.247114	hyper	sig	chr4_154491252
chr7	574410	574410	+	5.793E-29	3.8772E-27	0.368615	hyper	sig	chr7_574410
chr8	38318114	38318114	+	5.817E-29	3.8929E-27	0.214269	hyper	sig	chr8_38318114
chr2	1.06E+08	106343397	+	5.829E-29	3.901E-27	-0.37525	hypo	sig	chr2_106343397
chr6	1.53E+08	152634903	+	5.83E-29	3.901E-27	-0.43113	hypo	sig	chr6_152634903
chr13	50132447	50132447	+	5.836E-29	3.9053E-27	0.357545	hyper	sig	chr13_50132447
chr1	1.44E+08	143643815	+	5.842E-29	3.9086E-27	0.351942	hyper	sig	chr1_143643815
chr4	3305044	3305044	+	5.845E-29	3.9102E-27	0.345235	hyper	sig	chr4_3305044
chr12	29784628	29784628	+	5.853E-29	3.9154E-27	0.35899	hyper	sig	chr12_29784628
chr1	12143690	12143690	+	5.864E-29	3.9225E-27	-0.25348	hypo	sig	chr1_12143690
chr17	80478233	80478233	+	5.868E-29	3.9247E-27	0.396101	hyper	sig	chr17_80478233

chr5	1.34E+08	134113792	+	5.89E-29	3.9392E-27	0.389392	hyper	sig	chr5_134113792
chr11	64646720	64646720	+	5.897E-29	3.9432E-27	-0.36428	hypo	sig	chr11_64646720
chr2	2.32E+08	232415899	+	5.903E-29	3.947E-27	-0.33662	hypo	sig	chr2_232415899
chr1	1.47E+08	147072742	+	5.91E-29	3.9513E-27	0.345154	hyper	sig	chr1_147072742
chr16	85586334	85586334	+	5.911E-29	3.9517E-27	0.325622	hyper	sig	chr16_85586334
chr17	10199103	10199103	+	5.915E-29	3.9545E-27	0.255898	hyper	sig	chr17_10199103
chr1	47434584	47434584	+	5.938E-29	3.9693E-27	0.328515	hyper	sig	chr1_47434584
chr13	78586962	78586962	+	5.939E-29	3.9696E-27	0.361356	hyper	sig	chr13_78586962
chr16	85580409	85580409	+	5.947E-29	3.9744E-27	0.368841	hyper	sig	chr16_85580409
chr4	26804646	26804646	+	5.963E-29	3.985E-27	0.291663	hyper	sig	chr4_26804646
chr7	70596591	70596591	+	5.971E-29	3.9899E-27	-0.29585	hypo	sig	chr7_70596591
chr17	56597897	56597897	+	5.974E-29	3.992E-27	0.301487	hyper	sig	chr17_56597897
chr1	1.98E+08	197776108	+	5.979E-29	3.9948E-27	-0.24849	hypo	sig	chr1_197776108
chr10	93074820	93074820	+	5.983E-29	3.9969E-27	0.234885	hyper	sig	chr10_93074820
chr12	1.03E+08	102961543	+	6.038E-29	4.0332E-27	0.308051	hyper	sig	chr12_102961543
chr19	11194555	11194555	+	6.044E-29	4.0371E-27	0.35611	hyper	sig	chr19_11194555
chr17	38898473	38898473	+	6.045E-29	4.0375E-27	-0.35518	hypo	sig	chr17_38898473
chr6	27553482	27553482	+	6.066E-29	4.0509E-27	0.329814	hyper	sig	chr6_27553482
chr7	19118027	19118027	+	6.074E-29	4.056E-27	0.326396	hyper	sig	chr7_19118027
chr1	38047940	38047940	+	6.091E-29	4.0671E-27	0.358154	hyper	sig	chr1_38047940
chr18	47927238	47927238	+	6.107E-29	4.0772E-27	0.305063	hyper	sig	chr18_47927238
chr7	37449015	37449015	+	6.134E-29	4.0953E-27	0.266606	hyper	sig	chr7_37449015
chr6	1E+08	100448980	+	6.156E-29	4.1099E-27	0.294666	hyper	sig	chr6_100448980
chr7	1.55E+08	155373804	+	6.157E-29	4.1102E-27	0.26245	hyper	sig	chr7_155373804
chr16	4371602	4371602	+	6.165E-29	4.1149E-27	0.291186	hyper	sig	chr16_4371602
chr3	14556128	14556128	+	6.17E-29	4.118E-27	-0.30771	hypo	sig	chr3_14556128
chr10	1.01E+08	101227739	+	6.172E-29	4.1186E-27	0.326034	hyper	sig	chr10_101227739
chr6	30164029	30164029	+	6.174E-29	4.1202E-27	-0.31208	hypo	sig	chr6_30164029
chr2	5692883	5692883	+	6.176E-29	4.1209E-27	0.363233	hyper	sig	chr2_5692883
chr1	2.03E+08	203186609	+	6.183E-29	4.1256E-27	-0.37479	hypo	sig	chr1_203186609
chr6	1.47E+08	147205977	+	6.19E-29	4.1297E-27	-0.37699	hypo	sig	chr6_147205977
chr11	71589729	71589729	+	6.193E-29	4.1309E-27	-0.39524	hypo	sig	chr11_71589729
chr4	1.74E+08	173531360	+	6.193E-29	4.1309E-27	0.33735	hyper	sig	chr4_173531360
chr12	84913163	84913163	+	6.194E-29	4.1311E-27	0.302859	hyper	sig	chr12_84913163
chr7	27103784	27103784	+	6.212E-29	4.1432E-27	0.325074	hyper	sig	chr7_27103784
chr7	2641857	2641857	+	6.228E-29	4.1534E-27	0.321024	hyper	sig	chr7_2641857
chr1	26351631	26351631	+	6.232E-29	4.1558E-27	-0.35	hypo	sig	chr1_26351631
chr22	46085201	46085201	+	6.242E-29	4.1617E-27	-0.35866	hypo	sig	chr22_46085201
chr5	1.35E+08	135039003	+	6.246E-29	4.1641E-27	0.472238	hyper	sig	chr5_135039003
chr13	27792684	27792684	+	6.255E-29	4.1697E-27	0.391274	hyper	sig	chr13_27792684
chr16	1550391	1550391	+	6.264E-29	4.1758E-27	0.232572	hyper	sig	chr16_1550391
chr12	78864647	78864647	+	6.271E-29	4.18E-27	0.273466	hyper	sig	chr12_78864647
chr16	1183912	1183912	+	6.278E-29	4.1842E-27	-0.28457	hypo	sig	chr16_1183912
chr8	1.41E+08	141230979	+	6.282E-29	4.1866E-27	-0.47473	hypo	sig	chr8_141230979
chr4	1.33E+08	133151811	+	6.287E-29	4.1894E-27	0.384732	hyper	sig	chr4_133151811
chr5	77643676	77643676	+	6.29E-29	4.1912E-27	0.290148	hyper	sig	chr5_77643676
chr11	31797840	31797840	+	6.292E-29	4.1924E-27	0.305714	hyper	sig	chr11_31797840
chr19	39507615	39507615	+	6.306E-29	4.201E-27	0.223658	hyper	sig	chr19_39507615
chr20	23879605	23879605	+	6.312E-29	4.2047E-27	-0.28895	hypo	sig	chr20_23879605
chr16	89817685	89817685	+	6.323E-29	4.2117E-27	-0.29066	hypo	sig	chr16_89817685
chr12	1.17E+08	117030684	+	6.332E-29	4.2177E-27	0.370343	hyper	sig	chr12_117030684
chr2	96986034	96986034	+	6.35E-29	4.2293E-27	0.400357	hyper	sig	chr2_96986034
chr11	45145957	45145957	+	6.357E-29	4.233E-27	0.276872	hyper	sig	chr11_45145957
chr16	3189288	3189288	+	6.358E-29	4.2334E-27	0.327033	hyper	sig	chr16_3189288
chr8	47763160	47763160	+	6.358E-29	4.2336E-27	0.314804	hyper	sig	chr8_47763160
chr11	1.12E+08	111540212	+	6.368E-29	4.2393E-27	0.37217	hyper	sig	chr11_111540212

chr19	50639353	50639353	+	6.368E-29	4.2394E-27	0.248312	hyper	sig	chr19_50639353
chr1	1.19E+08	118986773	+	6.373E-29	4.2422E-27	0.348618	hyper	sig	chr1_118986773
chr3	26623760	26623760	+	6.387E-29	4.2514E-27	0.30978	hyper	sig	chr3_26623760
chr1	2.25E+08	225484136	+	6.391E-29	4.2536E-27	0.315344	hyper	sig	chr1_225484136
chr20	23048331	23048331	+	6.413E-29	4.2676E-27	0.330672	hyper	sig	chr20_23048331
chr9	977818	977818	+	6.42E-29	4.2723E-27	0.37967	hyper	sig	chr9_977818
chr19	3398936	3398936	+	6.426E-29	4.2756E-27	0.363072	hyper	sig	chr19_3398936
chr5	38256045	38256045	+	6.427E-29	4.2764E-27	-0.37473	hypo	sig	chr5_38256045
chr2	681318	681318	+	6.431E-29	4.2779E-27	0.27582	hyper	sig	chr2_681318
chr6	50707793	50707793	+	6.431E-29	4.2779E-27	0.236716	hyper	sig	chr6_50707793
chr10	1.33E+08	133231358	+	6.444E-29	4.2862E-27	0.283159	hyper	sig	chr10_133231358
chr7	1.02E+08	101923674	+	6.446E-29	4.2873E-27	0.27277	hyper	sig	chr7_101923674
chr17	48727011	48727011	+	6.449E-29	4.2889E-27	0.322384	hyper	sig	chr17_48727011
chr19	22286810	22286810	+	6.469E-29	4.3017E-27	0.371996	hyper	sig	chr19_22286810
chr5	1.41E+08	141346323	+	6.469E-29	4.3017E-27	0.352275	hyper	sig	chr5_141346323
chr1	1.47E+08	147077692	+	6.498E-29	4.3207E-27	0.406823	hyper	sig	chr1_147077692
chr1	86156941	86156941	+	6.502E-29	4.3225E-27	0.231485	hyper	sig	chr1_86156941
chr6	32395451	32395451	+	6.51E-29	4.3276E-27	-0.29033	hypo	sig	chr6_32395451
chr6	27680342	27680342	+	6.514E-29	4.3303E-27	0.368598	hyper	sig	chr6_27680342
chr17	20073843	20073843	+	6.523E-29	4.336E-27	-0.3166	hypo	sig	chr17_20073843
chr8	1.04E+08	104338962	+	6.53E-29	4.3398E-27	-0.40456	hypo	sig	chr8_104338962
chr6	10417426	10417426	+	6.535E-29	4.3428E-27	0.314915	hyper	sig	chr6_10417426
chr1	1.68E+08	168121765	+	6.555E-29	4.3562E-27	0.353159	hyper	sig	chr1_168121765
chr4	1.11E+08	110628884	+	6.585E-29	4.3752E-27	0.306742	hyper	sig	chr4_110628884
chr6	99606228	99606228	+	6.59E-29	4.3786E-27	0.346898	hyper	sig	chr6_99606228
chr1	24931138	24931138	+	6.593E-29	4.3799E-27	0.40213	hyper	sig	chr1_24931138
chr19	40613911	40613911	+	6.6E-29	4.3844E-27	0.323167	hyper	sig	chr19_40613911
chr17	28384694	28384694	+	6.623E-29	4.3991E-27	-0.37867	hypo	sig	chr17_28384694
chr17	34157008	34157008	+	6.623E-29	4.3991E-27	0.28933	hyper	sig	chr17_34157008
chr17	30235200	30235200	+	6.629E-29	4.4026E-27	0.285537	hyper	sig	chr17_30235200
chr5	1.79E+08	179023663	+	6.638E-29	4.4082E-27	0.23581	hyper	sig	chr5_179023663
chr2	40451696	40451696	+	6.648E-29	4.4143E-27	0.328136	hyper	sig	chr2_40451696
chr9	14993555	14993555	+	6.659E-29	4.4215E-27	0.349426	hyper	sig	chr9_14993555
chr20	21508544	21508544	+	6.668E-29	4.4272E-27	0.371186	hyper	sig	chr20_21508544
chr11	74721036	74721036	+	6.677E-29	4.4326E-27	0.389626	hyper	sig	chr11_74721036
chr21	43826381	43826381	+	6.689E-29	4.4405E-27	0.309561	hyper	sig	chr21_43826381
chr12	1.32E+08	132062252	+	6.696E-29	4.4443E-27	0.346499	hyper	sig	chr12_132062252
chr19	46426888	46426888	+	6.721E-29	4.4609E-27	0.212258	hyper	sig	chr19_46426888
chr8	61287904	61287904	+	6.73E-29	4.4664E-27	0.323528	hyper	sig	chr8_61287904
chr1	1.8E+08	179742919	+	6.743E-29	4.4744E-27	0.216458	hyper	sig	chr1_179742919
chr7	1.59E+08	158570200	+	6.755E-29	4.4823E-27	0.322197	hyper	sig	chr7_158570200
chr4	1.57E+08	157075912	+	6.766E-29	4.4889E-27	0.356061	hyper	sig	chr4_157075912
chr13	1.14E+08	114200793	+	6.771E-29	4.4918E-27	0.385223	hyper	sig	chr13_114200793
chr9	1.36E+08	136361340	+	6.777E-29	4.4959E-27	0.334538	hyper	sig	chr9_136361340
chr7	1.57E+08	157466176	+	6.78E-29	4.497E-27	0.290223	hyper	sig	chr7_157466176
chr19	1467093	1467093	+	6.787E-29	4.5014E-27	0.393528	hyper	sig	chr19_1467093
chr22	30542057	30542057	+	6.797E-29	4.508E-27	0.364901	hyper	sig	chr22_30542057
chr16	67649954	67649954	+	6.798E-29	4.5081E-27	0.349499	hyper	sig	chr16_67649954
chr14	62117525	62117525	+	6.803E-29	4.5113E-27	0.275012	hyper	sig	chr14_62117525
chr7	1E+08	100177869	+	6.813E-29	4.5174E-27	0.308021	hyper	sig	chr7_100177869
chr17	81330425	81330425	+	6.814E-29	4.518E-27	-0.33244	hypo	sig	chr17_81330425
chr13	1.12E+08	112104177	+	6.818E-29	4.5198E-27	0.290107	hyper	sig	chr13_112104177
chr13	38687995	38687995	+	6.841E-29	4.535E-27	0.294207	hyper	sig	chr13_38687995
chr17	48545129	48545129	+	6.855E-29	4.5435E-27	0.292269	hyper	sig	chr17_48545129
chr7	5349691	5349691	+	6.855E-29	4.5435E-27	0.334528	hyper	sig	chr7_5349691
chr8	30442687	30442687	+	6.866E-29	4.5502E-27	0.319422	hyper	sig	chr8_30442687

chr2	1.05E+08	104864229	+	6.867E-29	4.5503E-27	0.307381	hyper	sig	chr2_104864229
chr16	85197025	85197025	+	6.87E-29	4.5523E-27	0.324299	hyper	sig	chr16_85197025
chr20	63369709	63369709	+	6.883E-29	4.5603E-27	-0.54601	hypo	sig	chr20_63369709
chr7	21967922	21967922	+	6.884E-29	4.561E-27	-0.29054	hypo	sig	chr7_21967922
chr6	28636029	28636029	+	6.886E-29	4.5618E-27	0.277339	hyper	sig	chr6_28636029
chr12	6620560	6620560	+	6.906E-29	4.5745E-27	0.335204	hyper	sig	chr12_6620560
chr6	1.61E+08	160767576	+	6.916E-29	4.5811E-27	0.245487	hyper	sig	chr6_160767576
chr5	1.51E+08	150946392	+	6.92E-29	4.5833E-27	0.36849	hyper	sig	chr5_150946392
chr8	76683082	76683082	+	6.935E-29	4.5925E-27	0.353899	hyper	sig	chr8_76683082
chr12	53966692	53966692	+	6.938E-29	4.5932E-27	0.344613	hyper	sig	chr12_53966692
chr14	23366737	23366737	+	6.937E-29	4.5932E-27	0.40283	hyper	sig	chr14_23366737
chr10	3287737	3287737	+	6.947E-29	4.5991E-27	-0.31845	hypo	sig	chr10_3287737
chr3	38030087	38030087	+	6.969E-29	4.6132E-27	0.29959	hyper	sig	chr3_38030087
chr22	46371259	46371259	+	6.979E-29	4.6193E-27	-0.36673	hypo	sig	chr22_46371259
chr4	80265962	80265962	+	6.985E-29	4.6228E-27	0.214964	hyper	sig	chr4_80265962
chr6	71420986	71420986	+	7.003E-29	4.6348E-27	0.289906	hyper	sig	chr6_71420986
chr2	27891595	27891595	+	7.012E-29	4.6404E-27	-0.28734	hypo	sig	chr2_27891595
chr1	2274288	2274288	+	7.021E-29	4.6454E-27	0.370486	hyper	sig	chr1_2274288
chr6	32054865	32054865	+	7.031E-29	4.6513E-27	-0.29466	hypo	sig	chr6_32054865
chr14	97219320	97219320	+	7.032E-29	4.652E-27	0.29466	hyper	sig	chr14_97219320
chr4	6278721	6278721	+	7.038E-29	4.6557E-27	-0.28873	hypo	sig	chr4_6278721
chr7	4792490	4792490	+	7.043E-29	4.6583E-27	0.389531	hyper	sig	chr7_4792490
chr13	36432185	36432185	+	7.063E-29	4.6714E-27	0.285774	hyper	sig	chr13_36432185
chr7	25859639	25859639	+	7.08E-29	4.6821E-27	-0.36121	hypo	sig	chr7_25859639
chr17	82481036	82481036	+	7.093E-29	4.6904E-27	0.321014	hyper	sig	chr17_82481036
chr9	1.21E+08	120894447	+	7.106E-29	4.6984E-27	0.397032	hyper	sig	chr9_120894447
chr2	2.22E+08	222302774	+	7.109E-29	4.7003E-27	0.258026	hyper	sig	chr2_222302774
chr3	62378463	62378463	+	7.148E-29	4.7253E-27	0.260378	hyper	sig	chr3_62378463
chr2	25166158	25166158	+	7.166E-29	4.7367E-27	-0.43878	hypo	sig	chr2_25166158
chr3	1.47E+08	147409805	+	7.166E-29	4.7367E-27	0.341046	hyper	sig	chr3_147409805
chr4	4858364	4858364	+	7.17E-29	4.7388E-27	0.388098	hyper	sig	chr4_4858364
chr9	19788280	19788280	+	7.181E-29	4.7456E-27	0.343438	hyper	sig	chr9_19788280
chr2	10014898	10014898	+	7.186E-29	4.7481E-27	-0.36343	hypo	sig	chr2_10014898
chr3	1.47E+08	147409882	+	7.21E-29	4.7638E-27	0.330504	hyper	sig	chr3_147409882
chr1	47444472	47444472	+	7.216E-29	4.7673E-27	0.279486	hyper	sig	chr1_47444472
chr5	33892558	33892558	+	7.226E-29	4.7739E-27	0.325847	hyper	sig	chr5_33892558
chr12	1.33E+08	132837867	+	7.25E-29	4.7891E-27	0.348006	hyper	sig	chr12_132837867
chr16	89879891	89879891	+	7.251E-29	4.7891E-27	0.417045	hyper	sig	chr16_89879891
chr6	1.27E+08	127119309	+	7.265E-29	4.7984E-27	0.336031	hyper	sig	chr6_127119309
chr2	51151859	51151859	+	7.28E-29	4.8079E-27	-0.38256	hypo	sig	chr2_51151859
chr2	2.18E+08	218259524	+	7.29E-29	4.8139E-27	0.383984	hyper	sig	chr2_218259524
chr6	33080975	33080975	+	7.303E-29	4.8219E-27	0.485561	hyper	sig	chr6_33080975
chr6	36291430	36291430	+	7.307E-29	4.8246E-27	-0.32362	hypo	sig	chr6_36291430
chr5	1.41E+08	141485045	+	7.322E-29	4.8342E-27	0.358829	hyper	sig	chr5_141485045
chr2	44937567	44937567	+	7.344E-29	4.8484E-27	0.260798	hyper	sig	chr2_44937567
chr8	1323623	1323623	+	7.345E-29	4.8484E-27	-0.23713	hypo	sig	chr8_1323623
chr2	44933315	44933315	+	7.378E-29	4.8699E-27	0.314385	hyper	sig	chr2_44933315
chr12	95549088	95549088	+	7.406E-29	4.8876E-27	0.257278	hyper	sig	chr12_95549088
chr17	57902746	57902746	+	7.418E-29	4.8954E-27	-0.32589	hypo	sig	chr17_57902746
chr7	97024873	97024873	+	7.432E-29	4.9044E-27	0.325211	hyper	sig	chr7_97024873
chr2	2.02E+08	202171477	+	7.443E-29	4.9111E-27	0.306393	hyper	sig	chr2_202171477
chr7	1.28E+08	128032182	+	7.454E-29	4.9179E-27	0.3262	hyper	sig	chr7_128032182
chr19	11674349	11674349	+	7.455E-29	4.9182E-27	0.291809	hyper	sig	chr19_11674349
chr13	52845482	52845482	+	7.467E-29	4.9255E-27	0.35087	hyper	sig	chr13_52845482
chr16	86565218	86565218	+	7.467E-29	4.9255E-27	0.264384	hyper	sig	chr16_86565218
chr4	1.9E+08	190017333	+	7.479E-29	4.9327E-27	0.366776	hyper	sig	chr4_190017333

chr12	72272111	72272111	+	7.484E-29	4.9352E-27	0.270915	hyper	sig	chr12_72272111
chr5	1.35E+08	135039057	+	7.484E-29	4.9352E-27	0.421818	hyper	sig	chr5_135039057
chr19	45553693	45553693	+	7.486E-29	4.936E-27	0.349815	hyper	sig	chr19_45553693
chr7	27124283	27124283	+	7.504E-29	4.9476E-27	0.314844	hyper	sig	chr7_27124283
chr8	1.42E+08	141621298	+	7.506E-29	4.9483E-27	-0.36173	hypo	sig	chr8_141621298
chr3	1.38E+08	137761966	+	7.521E-29	4.9583E-27	0.375052	hyper	sig	chr3_137761966
chr8	1.3E+08	130042162	+	7.593E-29	5.0049E-27	-0.37203	hypo	sig	chr8_130042162
chr11	1.34E+08	133865064	+	7.611E-29	5.0168E-27	-0.35581	hypo	sig	chr11_133865064
chr2	1.61E+08	161426923	+	7.625E-29	5.0251E-27	0.245795	hyper	sig	chr2_161426923
chr10	86263076	86263076	+	7.635E-29	5.0316E-27	0.301524	hyper	sig	chr10_86263076
chr16	29285476	29285476	+	7.658E-29	5.0465E-27	-0.32071	hypo	sig	chr16_29285476
chr1	1.19E+08	118989493	+	7.668E-29	5.0522E-27	0.31036	hyper	sig	chr1_118989493
chr4	1.55E+08	154743001	+	7.676E-29	5.0571E-27	0.324404	hyper	sig	chr4_154743001
chr6	34036228	34036228	+	7.679E-29	5.0588E-27	-0.33252	hypo	sig	chr6_34036228
chr12	1.3E+08	130106004	+	7.701E-29	5.0732E-27	0.370762	hyper	sig	chr12_130106004
chr15	31797740	31797740	+	7.704E-29	5.0745E-27	-0.32914	hypo	sig	chr15_31797740
chr7	54542265	54542265	+	7.726E-29	5.0883E-27	0.370095	hyper	sig	chr7_54542265
chr2	2.38E+08	238260923	+	7.738E-29	5.0958E-27	0.286311	hyper	sig	chr2_238260923
chr13	1.02E+08	102401079	+	7.747E-29	5.102E-27	0.233023	hyper	sig	chr13_102401079
chr6	28825887	28825887	+	7.756E-29	5.1074E-27	0.305689	hyper	sig	chr6_28825887
chr13	37869957	37869957	+	7.758E-29	5.1082E-27	0.317123	hyper	sig	chr13_37869957
chr7	30911918	30911918	+	7.759E-29	5.1082E-27	0.335731	hyper	sig	chr7_30911918
chr2	2.36E+08	236242230	+	7.792E-29	5.1294E-27	-0.46101	hypo	sig	chr2_236242230
chr16	62035882	62035882	+	7.801E-29	5.1352E-27	0.407597	hyper	sig	chr16_62035882
chr4	41881092	41881092	+	7.846E-29	5.1642E-27	0.329898	hyper	sig	chr4_41881092
chr4	1.63E+08	163343746	+	7.847E-29	5.1645E-27	0.314755	hyper	sig	chr4_163343746
chr19	23070469	23070469	+	7.887E-29	5.1902E-27	0.291288	hyper	sig	chr19_23070469
chr8	48394474	48394474	+	7.893E-29	5.1939E-27	-0.41873	hypo	sig	chr8_48394474
chr3	1.2E+08	120451539	+	7.911E-29	5.2056E-27	0.346736	hyper	sig	chr3_120451539
chr7	1.22E+08	122316655	+	7.93E-29	5.2178E-27	0.338308	hyper	sig	chr7_122316655
chr10	1.01E+08	101134329	+	7.934E-29	5.2197E-27	0.320199	hyper	sig	chr10_101134329
chr12	1.32E+08	132329067	+	7.935E-29	5.22E-27	0.359111	hyper	sig	chr12_132329067
chr6	84768874	84768874	+	7.942E-29	5.2239E-27	0.288393	hyper	sig	chr6_84768874
chr12	57632442	57632442	+	7.959E-29	5.2348E-27	0.290178	hyper	sig	chr12_57632442
chr6	73353291	73353291	+	7.962E-29	5.2363E-27	-0.35688	hypo	sig	chr6_73353291
chr17	45429833	45429833	+	7.965E-29	5.2379E-27	0.416807	hyper	sig	chr17_45429833
chr20	46017709	46017709	+	7.981E-29	5.248E-27	-0.3195	hypo	sig	chr20_46017709
chr16	85256454	85256454	+	7.985E-29	5.2503E-27	-0.3255	hypo	sig	chr16_85256454
chr6	27260354	27260354	+	7.993E-29	5.255E-27	0.347296	hyper	sig	chr6_27260354
chr2	27307581	27307581	+	8.001E-29	5.2597E-27	0.305375	hyper	sig	chr2_27307581
chr13	1.1E+08	110325639	+	8.006E-29	5.2628E-27	-0.33335	hypo	sig	chr13_110325639
chr1	1.67E+08	166989085	+	8.016E-29	5.2687E-27	-0.33349	hypo	sig	chr1_166989085
chr6	50850514	50850514	+	8.03E-29	5.2778E-27	0.290817	hyper	sig	chr6_50850514
chr3	1.72E+08	172448490	+	8.034E-29	5.2802E-27	0.396838	hyper	sig	chr3_172448490
chr12	53939376	53939376	+	8.038E-29	5.2822E-27	0.330751	hyper	sig	chr12_53939376
chr7	1.02E+08	101784195	+	8.046E-29	5.2867E-27	-0.34155	hypo	sig	chr7_101784195
chr7	38976011	38976011	+	8.103E-29	5.3243E-27	0.369271	hyper	sig	chr7_38976011
chr8	10733134	10733134	+	8.105E-29	5.3247E-27	0.282237	hyper	sig	chr8_10733134
chr1	38047952	38047952	+	8.108E-29	5.3266E-27	0.322773	hyper	sig	chr1_38047952
chr16	66925877	66925877	+	8.151E-29	5.3543E-27	0.337956	hyper	sig	chr16_66925877
chr2	2.06E+08	205687266	+	8.158E-29	5.3586E-27	0.297398	hyper	sig	chr2_205687266
chr16	86513730	86513730	+	8.169E-29	5.3651E-27	0.368283	hyper	sig	chr16_86513730
chr19	39308440	39308440	+	8.195E-29	5.3817E-27	0.378792	hyper	sig	chr19_39308440
chr4	3872279	3872279	+	8.209E-29	5.3903E-27	0.246425	hyper	sig	chr4_3872279
chr14	41605287	41605287	+	8.22E-29	5.3976E-27	0.329185	hyper	sig	chr14_41605287
chr18	46333692	46333692	+	8.225E-29	5.4005E-27	0.2065	hyper	sig	chr18_46333692

chr2	1E+08	100392137	+	8.32E-29	5.4624E-27	-0.31098	hypo	sig	chr2_100392137
chr11	79331776	79331776	+	8.329E-29	5.4675E-27	-0.33138	hypo	sig	chr11_79331776
chr1	1.77E+08	177171169	+	8.363E-29	5.4892E-27	0.238086	hyper	sig	chr1_177171169
chr12	6374636	6374636	+	8.376E-29	5.4975E-27	-0.36026	hypo	sig	chr12_6374636
chr16	661265	661265	+	8.386E-29	5.5035E-27	0.396172	hyper	sig	chr16_661265
chr10	1.3E+08	129969894	+	8.387E-29	5.5041E-27	0.30829	hyper	sig	chr10_129969894
chr19	53132862	53132862	+	8.392E-29	5.5068E-27	0.304431	hyper	sig	chr19_53132862
chr14	41605392	41605392	+	8.396E-29	5.5088E-27	0.26805	hyper	sig	chr14_41605392
chr11	64691374	64691374	+	8.43E-29	5.5308E-27	-0.39157	hypo	sig	chr11_64691374
chr1	1.81E+08	181412199	+	8.443E-29	5.5386E-27	-0.37467	hypo	sig	chr1_181412199
chr8	57143495	57143495	+	8.463E-29	5.5516E-27	0.397643	hyper	sig	chr8_57143495
chr1	1.97E+08	196608605	+	8.496E-29	5.5725E-27	0.248119	hyper	sig	chr1_196608605
chr10	1.28E+08	127738469	+	8.502E-29	5.5759E-27	0.324227	hyper	sig	chr10_127738469
chr6	89118378	89118378	+	8.507E-29	5.5789E-27	0.345839	hyper	sig	chr6_89118378
chr19	44448500	44448500	+	8.513E-29	5.5828E-27	0.257979	hyper	sig	chr19_44448500
chr13	53202209	53202209	+	8.528E-29	5.5919E-27	0.338138	hyper	sig	chr13_53202209
chr3	1.43E+08	142964348	+	8.531E-29	5.5932E-27	0.42991	hyper	sig	chr3_142964348
chr8	1.42E+08	142464422	+	8.586E-29	5.6288E-27	0.317777	hyper	sig	chr8_142464422
chr5	2387895	2387895	+	8.609E-29	5.6439E-27	0.347545	hyper	sig	chr5_2387895
chr2	1.85E+08	184597685	+	8.626E-29	5.6541E-27	0.240018	hyper	sig	chr2_184597685
chr2	1.64E+08	163736058	+	8.631E-29	5.6571E-27	0.325648	hyper	sig	chr2_163736058
chr2	11777651	11777651	+	8.634E-29	5.6582E-27	-0.33667	hypo	sig	chr2_11777651
chr6	32061226	32061226	+	8.634E-29	5.6582E-27	-0.31366	hypo	sig	chr6_32061226
chr9	37938670	37938670	+	8.636E-29	5.6588E-27	0.351716	hyper	sig	chr9_37938670
chr12	1.27E+08	126734435	+	8.641E-29	5.662E-27	-0.33481	hypo	sig	chr12_126734435
chr1	50428044	50428044	+	8.644E-29	5.6636E-27	0.288511	hyper	sig	chr1_50428044
chr2	2.38E+08	237591682	+	8.664E-29	5.6757E-27	-0.41819	hypo	sig	chr2_237591682
chr19	9498322	9498322	+	8.668E-29	5.6783E-27	0.390065	hyper	sig	chr19_9498322
chr6	1.08E+08	108171130	+	8.676E-29	5.6832E-27	0.383814	hyper	sig	chr6_108171130
chr11	269327	269327	+	8.69E-29	5.692E-27	-0.33607	hypo	sig	chr11_269327
chr10	29470463	29470463	+	8.703E-29	5.6998E-27	0.307359	hyper	sig	chr10_29470463
chr12	83696602	83696602	+	8.719E-29	5.7097E-27	-0.38732	hypo	sig	chr12_83696602
chr17	80478173	80478173	+	8.744E-29	5.726E-27	0.358222	hyper	sig	chr17_80478173
chr8	84182581	84182581	+	8.75E-29	5.7295E-27	0.337065	hyper	sig	chr8_84182581
chr10	1.01E+08	101135992	+	8.755E-29	5.7318E-27	0.382344	hyper	sig	chr10_101135992
chr7	1.49E+08	149415227	+	8.757E-29	5.7331E-27	0.331812	hyper	sig	chr7_149415227
chr2	11612821	11612821	+	8.766E-29	5.7381E-27	-0.37323	hypo	sig	chr2_11612821
chr10	1.01E+08	101134223	+	8.779E-29	5.746E-27	0.35882	hyper	sig	chr10_101134223
chr6	27864332	27864332	+	8.811E-29	5.7665E-27	0.279026	hyper	sig	chr6_27864332
chr12	1.3E+08	129926727	+	8.816E-29	5.7694E-27	-0.31609	hypo	sig	chr12_129926727
chr7	79454681	79454681	+	8.817E-29	5.7694E-27	0.293114	hyper	sig	chr7_79454681
chr11	1152642	1152642	+	8.872E-29	5.8053E-27	-0.36761	hypo	sig	chr11_1152642
chr7	50400701	50400701	+	8.902E-29	5.8247E-27	0.321803	hyper	sig	chr7_50400701
chr13	24511138	24511138	+	8.91E-29	5.8291E-27	-0.3183	hypo	sig	chr13_24511138
chr4	1E+08	100190768	+	8.915E-29	5.832E-27	0.27685	hyper	sig	chr4_100190768
chr2	2.2E+08	219553139	+	8.927E-29	5.8392E-27	0.261773	hyper	sig	chr2_219553139
chr8	1.31E+08	131040641	+	8.936E-29	5.8445E-27	0.352342	hyper	sig	chr8_131040641
chr13	1.02E+08	101917535	+	8.937E-29	5.8452E-27	0.264296	hyper	sig	chr13_101917535
chr8	11704020	11704020	+	8.978E-29	5.8712E-27	0.228741	hyper	sig	chr8_11704020
chr12	54053800	54053800	+	9.007E-29	5.8895E-27	0.274858	hyper	sig	chr12_54053800
chr7	27124375	27124375	+	9.036E-29	5.9083E-27	0.389031	hyper	sig	chr7_27124375
chr10	1.23E+08	123150736	+	9.043E-29	5.9125E-27	0.32064	hyper	sig	chr10_123150736
chr19	3383678	3383678	+	9.06E-29	5.9232E-27	0.371989	hyper	sig	chr19_3383678
chr13	27823056	27823056	+	9.066E-29	5.9263E-27	0.267288	hyper	sig	chr13_27823056
chr1	3651240	3651240	+	9.068E-29	5.9272E-27	0.342509	hyper	sig	chr1_3651240
chr7	1.58E+08	157854512	+	9.069E-29	5.9272E-27	-0.29352	hypo	sig	chr7_157854512

chr12	1.24E+08	124388801	+	9.098E-29	5.9457E-27	0.347975	hyper	sig	chr12_124388801
chr10	22345299	22345299	+	9.127E-29	5.9641E-27	0.329684	hyper	sig	chr10_22345299
chr7	12715714	12715714	+	9.138E-29	5.9709E-27	-0.26113	hypo	sig	chr7_12715714
chr10	93074881	93074881	+	9.202E-29	6.0123E-27	0.248242	hyper	sig	chr10_93074881
chr10	1.23E+08	123150716	+	9.222E-29	6.0251E-27	0.334149	hyper	sig	chr10_123150716
chr3	1.85E+08	184583372	+	9.224E-29	6.0258E-27	0.445591	hyper	sig	chr3_184583372
chr7	15687826	15687826	+	9.24E-29	6.0358E-27	0.298054	hyper	sig	chr7_15687826
chr13	76887233	76887233	+	9.244E-29	6.0382E-27	0.309425	hyper	sig	chr13_76887233
chr2	2.4E+08	239608795	+	9.246E-29	6.0391E-27	-0.36261	hypo	sig	chr2_239608795
chr17	17812206	17812206	+	9.252E-29	6.0422E-27	0.276816	hyper	sig	chr17_17812206
chr6	31927480	31927480	+	9.269E-29	6.0528E-27	-0.33684	hypo	sig	chr6_31927480
chr1	2.17E+08	217137627	+	9.272E-29	6.0542E-27	0.317701	hyper	sig	chr1_217137627
chr12	2653656	2653656	+	9.326E-29	6.0889E-27	-0.34003	hypo	sig	chr12_2653656
chr13	45851577	45851577	+	9.332E-29	6.0923E-27	0.286534	hyper	sig	chr13_45851577
chr16	502240	502240	+	9.333E-29	6.0929E-27	-0.42838	hypo	sig	chr16_502240
chr6	84768869	84768869	+	9.336E-29	6.0945E-27	0.305754	hyper	sig	chr6_84768869
chr5	1876289	1876289	+	9.337E-29	6.0945E-27	0.339388	hyper	sig	chr5_1876289
chr9	1.14E+08	113609839	+	9.396E-29	6.1324E-27	0.312911	hyper	sig	chr9_113609839
chr20	23031604	23031604	+	9.436E-29	6.158E-27	-0.32496	hypo	sig	chr20_23031604
chr14	28774370	28774370	+	9.444E-29	6.1626E-27	0.302654	hyper	sig	chr14_28774370
chr11	1.23E+08	122979797	+	9.448E-29	6.1645E-27	0.310382	hyper	sig	chr11_122979797
chr16	16150061	16150061	+	9.457E-29	6.1703E-27	0.340814	hyper	sig	chr16_16150061
chr5	3602184	3602184	+	9.482E-29	6.1858E-27	0.335258	hyper	sig	chr5_3602184
chr4	305024	305024	+	9.484E-29	6.1866E-27	0.296938	hyper	sig	chr4_305024
chr20	2804545	2804545	+	9.506E-29	6.2006E-27	0.253156	hyper	sig	chr20_2804545
chr5	1.62E+08	161548818	+	9.512E-29	6.2038E-27	0.207484	hyper	sig	chr5_161548818
chr5	1.71E+08	171308235	+	9.519E-29	6.2079E-27	0.300498	hyper	sig	chr5_171308235
chr7	8441194	8441194	+	9.546E-29	6.2253E-27	0.34481	hyper	sig	chr7_8441194
chr19	58002155	58002155	+	9.596E-29	6.2571E-27	0.290774	hyper	sig	chr19_58002155
chr4	8394214	8394214	+	9.597E-29	6.2574E-27	0.313869	hyper	sig	chr4_8394214
chr9	1.31E+08	131308179	+	9.602E-29	6.2605E-27	-0.34345	hypo	sig	chr9_131308179
chr8	66961189	66961189	+	9.603E-29	6.2606E-27	0.331893	hyper	sig	chr8_66961189
chr2	94735643	94735643	+	9.611E-29	6.2654E-27	0.348529	hyper	sig	chr2_94735643
chr17	1780130	1780130	+	9.633E-29	6.2789E-27	0.352019	hyper	sig	chr17_1780130
chr14	1.03E+08	103225761	+	9.641E-29	6.2836E-27	0.290804	hyper	sig	chr14_103225761
chr17	82882961	82882961	+	9.658E-29	6.2945E-27	-0.34121	hypo	sig	chr17_82882961
chr14	73790426	73790426	+	9.66E-29	6.2952E-27	0.395163	hyper	sig	chr14_73790426
chr5	1444710	1444710	+	9.691E-29	6.3144E-27	0.338945	hyper	sig	chr5_1444710
chr2	1.24E+08	124025677	+	9.714E-29	6.329E-27	0.382693	hyper	sig	chr2_124025677
chr19	15902551	15902551	+	9.742E-29	6.3462E-27	-0.40305	hypo	sig	chr19_15902551
chr7	63580653	63580653	+	9.742E-29	6.3462E-27	-0.40291	hypo	sig	chr7_63580653
chr5	1.76E+08	176366538	+	9.748E-29	6.3497E-27	0.339551	hyper	sig	chr5_176366538
chr14	41606607	41606607	+	9.751E-29	6.3511E-27	0.385631	hyper	sig	chr14_41606607
chr8	53878233	53878233	+	9.754E-29	6.3525E-27	0.283556	hyper	sig	chr8_53878233
chr6	44001791	44001791	+	9.762E-29	6.3574E-27	-0.34375	hypo	sig	chr6_44001791
chr5	172824	172824	+	9.77E-29	6.3618E-27	-0.33999	hypo	sig	chr5_172824
chr20	664528	664528	+	9.785E-29	6.3716E-27	0.40456	hyper	sig	chr20_664528
chr1	41484571	41484571	+	9.788E-29	6.3731E-27	-0.31066	hypo	sig	chr1_41484571
chr17	40093091	40093091	+	9.807E-29	6.3849E-27	0.27302	hyper	sig	chr17_40093091
chr1	2E+08	200036718	+	9.826E-29	6.3965E-27	0.32511	hyper	sig	chr1_200036718
chr13	57629496	57629496	+	9.828E-29	6.397E-27	0.338537	hyper	sig	chr13_57629496
chr19	16283648	16283648	+	9.843E-29	6.4065E-27	0.355345	hyper	sig	chr19_16283648
chr8	52939470	52939470	+	9.885E-29	6.4334E-27	0.455968	hyper	sig	chr8_52939470
chr14	92320292	92320292	+	9.895E-29	6.4397E-27	-0.39219	hypo	sig	chr14_92320292
chr18	904972	904972	+	9.965E-29	6.4843E-27	0.301248	hyper	sig	chr18_904972
chr5	1.77E+08	176887300	+	9.976E-29	6.4912E-27	-0.38831	hypo	sig	chr5_176887300

chr7	1602328	1602328	+	1.001E-28	6.51E-27	-0.34683	hypo	sig	chr7_1602328
chr19	16283646	16283646	+	1.001E-28	6.514E-27	0.342232	hyper	sig	chr19_16283646
chr7	93043589	93043589	+	1.002E-28	6.516E-27	0.343903	hyper	sig	chr7_93043589
chr11	2383112	2383112	+	1.006E-28	6.5461E-27	0.407082	hyper	sig	chr11_2383112
chr2	2769735	2769735	+	1.011E-28	6.5767E-27	0.345766	hyper	sig	chr2_2769735
chr16	85420995	85420995	+	1.013E-28	6.5848E-27	-0.29116	hypo	sig	chr16_85420995
chr3	13638155	13638155	+	1.013E-28	6.5848E-27	-0.31952	hypo	sig	chr3_13638155
chr7	1.49E+08	148636941	+	1.015E-28	6.6029E-27	-0.33324	hypo	sig	chr7_148636941
chr1	8370685	8370685	+	1.018E-28	6.6191E-27	0.360839	hyper	sig	chr1_8370685
chr8	42499396	42499396	+	1.019E-28	6.6233E-27	0.399934	hyper	sig	chr8_42499396
chr19	57935037	57935037	+	1.019E-28	6.6241E-27	0.387316	hyper	sig	chr19_57935037
chr4	1.45E+08	144645363	+	1.019E-28	6.6244E-27	0.355253	hyper	sig	chr4_144645363
chr4	1.55E+08	155208070	+	1.023E-28	6.6503E-27	0.336636	hyper	sig	chr4_155208070
chr5	1.41E+08	141383425	+	1.025E-28	6.6593E-27	0.307292	hyper	sig	chr5_141383425
chr11	8917749	8917749	+	1.027E-28	6.6769E-27	0.274072	hyper	sig	chr11_8917749
chr2	1.81E+08	181457128	+	1.027E-28	6.6769E-27	0.247462	hyper	sig	chr2_181457128
chr2	1.31E+08	130964754	+	1.028E-28	6.6806E-27	0.319971	hyper	sig	chr2_130964754
chr2	2.42E+08	241857308	+	1.03E-28	6.6924E-27	-0.29964	hypo	sig	chr2_241857308
chr19	48746888	48746888	+	1.031E-28	6.6954E-27	0.329494	hyper	sig	chr19_48746888
chr5	1.25E+08	124649656	+	1.032E-28	6.7072E-27	-0.3048	hypo	sig	chr5_124649656
chr3	1.93E+08	192514284	+	1.034E-28	6.7178E-27	0.356059	hyper	sig	chr3_192514284
chr2	2.42E+08	242031923	+	1.036E-28	6.7291E-27	-0.28017	hypo	sig	chr2_242031923
chr4	4858208	4858208	+	1.036E-28	6.7299E-27	0.388423	hyper	sig	chr4_4858208
chr6	1.1E+08	110357668	+	1.038E-28	6.7385E-27	0.377048	hyper	sig	chr6_110357668
chr3	1.35E+08	134651114	+	1.04E-28	6.7537E-27	0.302197	hyper	sig	chr3_134651114
chr1	44721958	44721958	+	1.04E-28	6.7557E-27	-0.31263	hypo	sig	chr1_44721958
chr19	12156649	12156649	+	1.042E-28	6.7636E-27	0.271166	hyper	sig	chr19_12156649
chr9	96087420	96087420	+	1.043E-28	6.7685E-27	-0.34322	hypo	sig	chr9_96087420
chr16	66579130	66579130	+	1.044E-28	6.7743E-27	0.29679	hyper	sig	chr16_66579130
chr1	2.28E+08	228465394	+	1.045E-28	6.7816E-27	0.321482	hyper	sig	chr1_228465394
chr5	4230737	4230737	+	1.048E-28	6.805E-27	0.278953	hyper	sig	chr5_4230737
chr4	7985634	7985634	+	1.05E-28	6.8136E-27	-0.34934	hypo	sig	chr4_7985634
chr1	2.29E+08	229407299	+	1.051E-28	6.8192E-27	0.386284	hyper	sig	chr1_229407299
chr1	2.02E+08	201512352	+	1.051E-28	6.8215E-27	0.345212	hyper	sig	chr1_201512352
chr16	1007796	1007796	+	1.052E-28	6.8232E-27	-0.37834	hypo	sig	chr16_1007796
chr11	64112924	64112924	+	1.052E-28	6.8244E-27	-0.33428	hypo	sig	chr11_64112924
chr4	1.65E+08	164954391	+	1.053E-28	6.8334E-27	-0.2718	hypo	sig	chr4_164954391
chr7	8442605	8442605	+	1.053E-28	6.8334E-27	0.334512	hyper	sig	chr7_8442605
chr5	1225497	1225497	+	1.054E-28	6.8341E-27	-0.38828	hypo	sig	chr5_1225497
chr3	1.38E+08	137761295	+	1.054E-28	6.8387E-27	0.371255	hyper	sig	chr3_137761295
chr14	53957093	53957093	+	1.057E-28	6.8577E-27	-0.27863	hypo	sig	chr14_53957093
chr11	1.09E+08	108960348	+	1.058E-28	6.859E-27	-0.30486	hypo	sig	chr11_108960348
chr20	21515537	21515537	+	1.06E-28	6.8718E-27	0.334448	hyper	sig	chr20_21515537
chr10	1.33E+08	133241499	+	1.06E-28	6.875E-27	-0.29682	hypo	sig	chr10_133241499
chr2	23524056	23524056	+	1.066E-28	6.9127E-27	0.378439	hyper	sig	chr2_23524056
chr6	38174078	38174078	+	1.067E-28	6.9144E-27	-0.32225	hypo	sig	chr6_38174078
chr7	1.59E+08	159065798	+	1.067E-28	6.9158E-27	-0.34143	hypo	sig	chr7_159065798
chr2	31139360	31139360	+	1.067E-28	6.9187E-27	-0.32472	hypo	sig	chr2_31139360
chr6	1594055	1594055	+	1.068E-28	6.9212E-27	-0.42228	hypo	sig	chr6_1594055
chr7	4764842	4764842	+	1.069E-28	6.9262E-27	0.278142	hyper	sig	chr7_4764842
chr20	63736646	63736646	+	1.072E-28	6.9444E-27	-0.26173	hypo	sig	chr20_63736646
chr1	1.47E+08	147078494	+	1.073E-28	6.9532E-27	0.418893	hyper	sig	chr1_147078494
chr9	1.31E+08	131273297	+	1.074E-28	6.956E-27	-0.4197	hypo	sig	chr9_131273297
chr11	8722078	8722078	+	1.078E-28	6.9833E-27	0.288547	hyper	sig	chr11_8722078
chr13	22934659	22934659	+	1.08E-28	6.9976E-27	-0.38177	hypo	sig	chr13_22934659
chr20	25084170	25084170	+	1.086E-28	7.0362E-27	0.324125	hyper	sig	chr20_25084170

chr5	1.41E+08	141485059	+	1.09E-28	7.0571E-27	0.35408	hyper	sig	chr5_141485059
chr19	44448484	44448484	+	1.091E-28	7.0679E-27	0.27221	hyper	sig	chr19_44448484
chr19	3881225	3881225	+	1.093E-28	7.0788E-27	0.324878	hyper	sig	chr19_3881225
chr11	20669218	20669218	+	1.093E-28	7.0796E-27	0.369328	hyper	sig	chr11_20669218
chr16	77788889	77788889	+	1.096E-28	7.0955E-27	0.383844	hyper	sig	chr16_77788889
chr6	1.66E+08	165661976	+	1.098E-28	7.1077E-27	0.319507	hyper	sig	chr6_165661976
chr7	1.58E+08	158175886	+	1.1E-28	7.122E-27	-0.30237	hypo	sig	chr7_158175886
chr16	84795401	84795401	+	1.102E-28	7.1308E-27	0.28981	hyper	sig	chr16_84795401
chr8	49911793	49911793	+	1.102E-28	7.1333E-27	0.371203	hyper	sig	chr8_49911793
chr5	1.79E+08	179023704	+	1.102E-28	7.1334E-27	0.224109	hyper	sig	chr5_179023704
chr5	1.35E+08	135039076	+	1.104E-28	7.1426E-27	0.42871	hyper	sig	chr5_135039076
chr7	54541894	54541894	+	1.105E-28	7.154E-27	0.219193	hyper	sig	chr7_54541894
chr7	50400279	50400279	+	1.106E-28	7.1587E-27	0.415775	hyper	sig	chr7_50400279
chr7	42238478	42238478	+	1.109E-28	7.1781E-27	0.365992	hyper	sig	chr7_42238478
chr1	2274506	2274506	+	1.111E-28	7.1906E-27	0.416789	hyper	sig	chr1_2274506
chr2	2.19E+08	218992118	+	1.112E-28	7.1923E-27	0.349553	hyper	sig	chr2_218992118
chr1	1.44E+08	143654936	+	1.113E-28	7.1988E-27	0.339398	hyper	sig	chr1_143654936
chr14	1.01E+08	100726669	+	1.115E-28	7.2119E-27	0.268527	hyper	sig	chr14_100726669
chr11	22667187	22667187	+	1.115E-28	7.2136E-27	0.275291	hyper	sig	chr11_22667187
chr17	78723464	78723464	+	1.116E-28	7.2145E-27	0.434132	hyper	sig	chr17_78723464
chr16	62036415	62036415	+	1.116E-28	7.2158E-27	0.296315	hyper	sig	chr16_62036415
chr3	26623801	26623801	+	1.116E-28	7.2185E-27	0.2884	hyper	sig	chr3_26623801
chr16	50681647	50681647	+	1.122E-28	7.2514E-27	-0.36987	hypo	sig	chr16_50681647
chr6	1.67E+08	167267960	+	1.124E-28	7.2691E-27	-0.31943	hypo	sig	chr6_167267960
chr11	69382449	69382449	+	1.125E-28	7.2738E-27	-0.40412	hypo	sig	chr11_69382449
chr7	64045875	64045875	+	1.125E-28	7.2743E-27	0.312198	hyper	sig	chr7_64045875
chr6	27275227	27275227	+	1.126E-28	7.2793E-27	0.32935	hyper	sig	chr6_27275227
chr10	2936349	2936349	+	1.128E-28	7.2895E-27	-0.36234	hypo	sig	chr10_2936349
chr13	78607838	78607838	+	1.128E-28	7.2895E-27	0.423635	hyper	sig	chr13_78607838
chr2	1.19E+08	118841969	+	1.128E-28	7.2918E-27	0.299303	hyper	sig	chr2_118841969
chr11	20601187	20601187	+	1.13E-28	7.3024E-27	0.307489	hyper	sig	chr11_20601187
chr20	63775459	63775459	+	1.134E-28	7.3269E-27	0.443495	hyper	sig	chr20_63775459
chr19	3383596	3383596	+	1.136E-28	7.3383E-27	0.313385	hyper	sig	chr19_3383596
chr1	1.47E+08	147078555	+	1.137E-28	7.3453E-27	0.406015	hyper	sig	chr1_147078555
chr16	29167971	29167971	+	1.139E-28	7.3548E-27	-0.28413	hypo	sig	chr16_29167971
chr6	50843247	50843247	+	1.139E-28	7.3564E-27	0.37332	hyper	sig	chr6_50843247
chr11	69449889	69449889	+	1.142E-28	7.3724E-27	-0.36511	hypo	sig	chr11_69449889
chr16	85573964	85573964	+	1.143E-28	7.3793E-27	0.351025	hyper	sig	chr16_85573964
chr16	86580005	86580005	+	1.144E-28	7.3874E-27	0.373381	hyper	sig	chr16_86580005
chr19	21463548	21463548	+	1.145E-28	7.393E-27	0.34466	hyper	sig	chr19_21463548
chr5	1.69E+08	169100689	+	1.147E-28	7.4047E-27	-0.39589	hypo	sig	chr5_169100689
chr12	52116032	52116032	+	1.158E-28	7.4768E-27	-0.3445	hypo	sig	chr12_52116032
chr10	49115150	49115150	+	1.16E-28	7.4865E-27	0.334608	hyper	sig	chr10_49115150
chr4	72031981	72031981	+	1.161E-28	7.4939E-27	0.405271	hyper	sig	chr4_72031981
chr8	74985088	74985088	+	1.162E-28	7.4986E-27	0.294724	hyper	sig	chr8_74985088
chr5	1.46E+08	146379295	+	1.162E-28	7.5022E-27	0.361685	hyper	sig	chr5_146379295
chr2	1.28E+08	127664733	+	1.164E-28	7.509E-27	0.355391	hyper	sig	chr2_127664733
chr11	526426	526426	+	1.164E-28	7.509E-27	-0.30489	hypo	sig	chr11_526426
chr10	1.09E+08	108911875	+	1.164E-28	7.5099E-27	0.26215	hyper	sig	chr10_108911875
chr14	1.01E+08	100893810	+	1.164E-28	7.5112E-27	-0.34954	hypo	sig	chr14_100893810
chr8	1.41E+08	140549600	+	1.165E-28	7.5143E-27	0.235913	hyper	sig	chr8_140549600
chr10	1.29E+08	129022502	+	1.165E-28	7.5153E-27	-0.38755	hypo	sig	chr10_129022502
chr14	76752952	76752952	+	1.166E-28	7.5214E-27	-0.34246	hypo	sig	chr14_76752952
chr16	81645306	81645306	+	1.166E-28	7.5215E-27	0.292061	hyper	sig	chr16_81645306
chr12	52043757	52043757	+	1.167E-28	7.5265E-27	0.315993	hyper	sig	chr12_52043757
chr2	27049570	27049570	+	1.177E-28	7.5878E-27	0.345951	hyper	sig	chr2_27049570

chr14	1.05E+08	105317350	+	1.177E-28	7.5893E-27	0.305286	hyper	sig	chr14_105317350
chr12	1.07E+08	106580867	+	1.177E-28	7.5908E-27	0.426682	hyper	sig	chr12_106580867
chr2	2.41E+08	240519496	+	1.178E-28	7.5963E-27	0.327646	hyper	sig	chr2_240519496
chr8	1.18E+08	118074410	+	1.178E-28	7.5971E-27	0.351144	hyper	sig	chr8_118074410
chr7	76305039	76305039	+	1.179E-28	7.5977E-27	0.323096	hyper	sig	chr7_76305039
chr5	16178992	16178992	+	1.179E-28	7.6026E-27	0.275972	hyper	sig	chr5_16178992
chr8	1.01E+08	101495137	+	1.18E-28	7.6049E-27	-0.31984	hypo	sig	chr8_101495137
chr13	1.1E+08	110341200	+	1.181E-28	7.6096E-27	0.340837	hyper	sig	chr13_110341200
chr3	14473149	14473149	+	1.182E-28	7.6147E-27	0.316741	hyper	sig	chr3_14473149
chr5	1315976	1315976	+	1.183E-28	7.6252E-27	-0.31014	hypo	sig	chr5_1315976
chr5	1.41E+08	140849777	+	1.185E-28	7.6341E-27	0.41439	hyper	sig	chr5_140849777
chr19	48480762	48480762	+	1.188E-28	7.6551E-27	0.301417	hyper	sig	chr19_48480762
chr9	37938654	37938654	+	1.192E-28	7.6785E-27	0.382442	hyper	sig	chr9_37938654
chr12	1.2E+08	119804310	+	1.193E-28	7.6823E-27	0.358085	hyper	sig	chr12_119804310
chr1	1.58E+08	158181557	+	1.195E-28	7.6939E-27	0.302959	hyper	sig	chr1_158181557
chr16	3184312	3184312	+	1.195E-28	7.6948E-27	0.352093	hyper	sig	chr16_3184312
chr2	8646967	8646967	+	1.197E-28	7.7097E-27	-0.32615	hypo	sig	chr2_8646967
chr6	83524659	83524659	+	1.198E-28	7.7149E-27	-0.24477	hypo	sig	chr6_83524659
chr20	25083447	25083447	+	1.208E-28	7.7771E-27	0.417779	hyper	sig	chr20_25083447
chr6	1.68E+08	167678130	+	1.209E-28	7.7867E-27	0.305206	hyper	sig	chr6_167678130
chr2	2.33E+08	233060590	+	1.211E-28	7.7949E-27	-0.39433	hypo	sig	chr2_233060590
chr1	1.19E+08	118999544	+	1.213E-28	7.8078E-27	0.404172	hyper	sig	chr1_118999544
chr2	44803245	44803245	+	1.213E-28	7.8081E-27	0.424131	hyper	sig	chr2_44803245
chr1	1.47E+08	147078507	+	1.214E-28	7.8112E-27	0.410843	hyper	sig	chr1_147078507
chr17	79711945	79711945	+	1.216E-28	7.8254E-27	-0.40257	hypo	sig	chr17_79711945
chr17	81044898	81044898	+	1.216E-28	7.8254E-27	0.310043	hyper	sig	chr17_81044898
chr13	25171718	25171718	+	1.218E-28	7.837E-27	0.364916	hyper	sig	chr13_25171718
chr12	1.2E+08	119803480	+	1.22E-28	7.851E-27	0.348289	hyper	sig	chr12_119803480
chr17	75891254	75891254	+	1.222E-28	7.8592E-27	-0.30991	hypo	sig	chr17_75891254
chr2	1.15E+08	115163080	+	1.224E-28	7.8771E-27	0.36454	hyper	sig	chr2_115163080
chr7	1.28E+08	128104461	+	1.229E-28	7.9058E-27	0.313065	hyper	sig	chr7_128104461
chr7	1.57E+08	157466160	+	1.23E-28	7.9105E-27	0.274629	hyper	sig	chr7_157466160
chr12	72272114	72272114	+	1.23E-28	7.9123E-27	0.256525	hyper	sig	chr12_72272114
chr6	32061653	32061653	+	1.23E-28	7.9125E-27	-0.3734	hypo	sig	chr6_32061653
chr16	85335438	85335438	+	1.231E-28	7.915E-27	-0.35491	hypo	sig	chr16_85335438
chr16	86568707	86568707	+	1.232E-28	7.9243E-27	0.309841	hyper	sig	chr16_86568707
chr1	3226369	3226369	+	1.233E-28	7.9264E-27	0.352174	hyper	sig	chr1_3226369
chr12	1628894	1628894	+	1.235E-28	7.9407E-27	0.323433	hyper	sig	chr12_1628894
chr17	40779675	40779675	+	1.24E-28	7.9702E-27	0.301384	hyper	sig	chr17_40779675
chr13	27919285	27919285	+	1.242E-28	7.9841E-27	0.403259	hyper	sig	chr13_27919285
chr6	1E+08	100447745	+	1.244E-28	7.9932E-27	0.283217	hyper	sig	chr6_100447745
chr5	1.59E+08	159101047	+	1.244E-28	7.9946E-27	0.258969	hyper	sig	chr5_159101047
chr7	1238131	1238131	+	1.244E-28	7.9946E-27	0.331309	hyper	sig	chr7_1238131
chr7	97843162	97843162	+	1.244E-28	7.9946E-27	-0.30408	hypo	sig	chr7_97843162
chr7	27201540	27201540	+	1.245E-28	7.9995E-27	-0.34332	hypo	sig	chr7_27201540
chr20	38448114	38448114	+	1.246E-28	8.005E-27	-0.32829	hypo	sig	chr20_38448114
chr2	1478613	1478613	+	1.251E-28	8.0404E-27	-0.34335	hypo	sig	chr2_1478613
chr16	21638907	21638907	+	1.253E-28	8.0473E-27	-0.35923	hypo	sig	chr16_21638907
chr13	1.08E+08	107868229	+	1.253E-28	8.0519E-27	0.311711	hyper	sig	chr13_107868229
chr1	47444474	47444474	+	1.254E-28	8.0576E-27	0.303263	hyper	sig	chr1_47444474
chr7	171269	171269	+	1.255E-28	8.0591E-27	-0.37249	hypo	sig	chr7_171269
chr12	43552089	43552089	+	1.257E-28	8.0733E-27	0.409872	hyper	sig	chr12_43552089
chr1	3356128	3356128	+	1.257E-28	8.0734E-27	-0.30304	hypo	sig	chr1_3356128
chr4	25863693	25863693	+	1.26E-28	8.0878E-27	-0.33547	hypo	sig	chr4_25863693
chr19	44448578	44448578	+	1.26E-28	8.0896E-27	0.272306	hyper	sig	chr19_44448578
chr1	24931014	24931014	+	1.261E-28	8.0943E-27	0.411217	hyper	sig	chr1_24931014

chr8	76683120	76683120	+	1.262E-28	8.0998E-27	0.351084	hyper	sig	chr8_76683120
chr11	20601175	20601175	+	1.262E-28	8.1017E-27	0.283827	hyper	sig	chr11_20601175
chr10	2295318	2295318	+	1.265E-28	8.1175E-27	-0.36263	hypo	sig	chr10_2295318
chr17	64779880	64779880	+	1.274E-28	8.1752E-27	0.397845	hyper	sig	chr17_64779880
chr13	1.12E+08	112057597	+	1.275E-28	8.18E-27	0.297497	hyper	sig	chr13_112057597
chr3	1.26E+08	125972137	+	1.275E-28	8.1825E-27	0.249381	hyper	sig	chr3_125972137
chr2	61144915	61144915	+	1.276E-28	8.1855E-27	0.284452	hyper	sig	chr2_61144915
chr16	85697681	85697681	+	1.277E-28	8.1953E-27	-0.34137	hypo	sig	chr16_85697681
chr17	75587765	75587765	+	1.278E-28	8.201E-27	0.317859	hyper	sig	chr17_75587765
chr15	89360405	89360405	+	1.279E-28	8.2057E-27	0.387816	hyper	sig	chr15_89360405
chr8	23710047	23710047	+	1.281E-28	8.2152E-27	0.288267	hyper	sig	chr8_23710047
chr1	18632812	18632812	+	1.288E-28	8.2603E-27	0.379775	hyper	sig	chr1_18632812
chr16	31527625	31527625	+	1.289E-28	8.2653E-27	-0.29401	hypo	sig	chr16_31527625
chr4	1211667	1211667	+	1.289E-28	8.2653E-27	0.292812	hyper	sig	chr4_1211667
chr1	1.81E+08	181318645	+	1.291E-28	8.2788E-27	0.340441	hyper	sig	chr1_181318645
chr16	89817693	89817693	+	1.292E-28	8.2815E-27	-0.29933	hypo	sig	chr16_89817693
chr4	1.51E+08	150583807	+	1.294E-28	8.2965E-27	0.358485	hyper	sig	chr4_150583807
chr7	1.58E+08	158061347	+	1.294E-28	8.2967E-27	-0.35628	hypo	sig	chr7_158061347
chr7	1912941	1912941	+	1.294E-28	8.298E-27	0.42032	hyper	sig	chr7_1912941
chr14	77140579	77140579	+	1.295E-28	8.2997E-27	0.28499	hyper	sig	chr14_77140579
chr22	38214521	38214521	+	1.296E-28	8.3075E-27	0.370146	hyper	sig	chr22_38214521
chr12	44876621	44876621	+	1.297E-28	8.3133E-27	0.256828	hyper	sig	chr12_44876621
chr11	69891759	69891759	+	1.298E-28	8.3144E-27	-0.31768	hypo	sig	chr11_69891759
chr19	57888841	57888841	+	1.297E-28	8.3144E-27	0.315059	hyper	sig	chr19_57888841
chr18	79575239	79575239	+	1.303E-28	8.3518E-27	-0.32462	hypo	sig	chr18_79575239
chr19	40613923	40613923	+	1.313E-28	8.4098E-27	0.297332	hyper	sig	chr19_40613923
chr19	53308684	53308684	+	1.313E-28	8.4115E-27	0.315836	hyper	sig	chr19_53308684
chr2	2.22E+08	222423913	+	1.316E-28	8.4296E-27	-0.30224	hypo	sig	chr2_222423913
chr20	62563935	62563935	+	1.316E-28	8.4313E-27	-0.3356	hypo	sig	chr20_62563935
chr10	1.19E+08	119315804	+	1.318E-28	8.4403E-27	-0.37067	hypo	sig	chr10_119315804
chr2	1.45E+08	144517390	+	1.318E-28	8.4425E-27	0.26524	hyper	sig	chr2_144517390
chr17	19264009	19264009	+	1.322E-28	8.4642E-27	0.298171	hyper	sig	chr17_19264009
chr1	2.36E+08	236065472	+	1.326E-28	8.4885E-27	0.274944	hyper	sig	chr1_236065472
chr1	54273481	54273481	+	1.328E-28	8.506E-27	0.410377	hyper	sig	chr1_54273481
chr2	2.07E+08	206642799	+	1.329E-28	8.5062E-27	0.3079	hyper	sig	chr2_206642799
chr7	1.29E+08	128915675	+	1.331E-28	8.5208E-27	0.386064	hyper	sig	chr7_128915675
chr19	3383663	3383663	+	1.332E-28	8.5263E-27	0.360705	hyper	sig	chr19_3383663
chr7	4725292	4725292	+	1.334E-28	8.5364E-27	0.287078	hyper	sig	chr7_4725292
chr7	54542243	54542243	+	1.34E-28	8.5766E-27	0.313552	hyper	sig	chr7_54542243
chr10	49609234	49609234	+	1.341E-28	8.5834E-27	0.363849	hyper	sig	chr10_49609234
chr5	73444910	73444910	+	1.343E-28	8.5942E-27	0.321561	hyper	sig	chr5_73444910
chr10	1.33E+08	132627543	+	1.354E-28	8.6612E-27	0.38523	hyper	sig	chr10_132627543
chr6	10887335	10887335	+	1.354E-28	8.6652E-27	0.274105	hyper	sig	chr6_10887335
chr5	12660612	12660612	+	1.354E-28	8.6656E-27	-0.36631	hypo	sig	chr5_12660612
chr1	1357253	1357253	+	1.359E-28	8.694E-27	0.35902	hyper	sig	chr1_1357253
chr1	1.57E+08	156845112	+	1.36E-28	8.6972E-27	0.351	hyper	sig	chr1_156845112
chr2	23381331	23381331	+	1.36E-28	8.7015E-27	-0.31324	hypo	sig	chr2_23381331
chr3	8981894	8981894	+	1.361E-28	8.7057E-27	-0.32176	hypo	sig	chr3_8981894
chr2	26847442	26847442	+	1.363E-28	8.7139E-27	0.338301	hyper	sig	chr2_26847442
chr1	2274498	2274498	+	1.365E-28	8.7304E-27	0.405069	hyper	sig	chr1_2274498
chr6	1.66E+08	166009196	+	1.366E-28	8.7341E-27	0.30272	hyper	sig	chr6_166009196
chr19	58203919	58203919	+	1.373E-28	8.7758E-27	0.345126	hyper	sig	chr19_58203919
chr15	28832209	28832209	+	1.373E-28	8.7771E-27	0.256692	hyper	sig	chr15_28832209
chr5	1.5E+08	150488885	+	1.374E-28	8.7819E-27	0.345091	hyper	sig	chr5_150488885
chr6	33080656	33080656	+	1.375E-28	8.7919E-27	0.503061	hyper	sig	chr6_33080656
chr6	32053493	32053493	+	1.379E-28	8.8153E-27	-0.34695	hypo	sig	chr6_32053493

chr19	49037646	49037646	+	1.38E-28	8.8195E-27	-0.32107	hypo	sig	chr19_49037646
chr16	89202297	89202297	+	1.381E-28	8.8241E-27	0.302272	hyper	sig	chr16_89202297
chr5	1.41E+08	141339207	+	1.384E-28	8.8451E-27	0.305467	hyper	sig	chr5_141339207
chr2	11777641	11777641	+	1.384E-28	8.8464E-27	-0.33002	hypo	sig	chr2_11777641
chr15	76136838	76136838	+	1.385E-28	8.8484E-27	-0.29874	hypo	sig	chr15_76136838
chr7	1602188	1602188	+	1.386E-28	8.8561E-27	-0.35093	hypo	sig	chr7_1602188
chr8	10898335	10898335	+	1.387E-28	8.8634E-27	-0.34915	hypo	sig	chr8_10898335
chr1	2.21E+08	220881377	+	1.389E-28	8.8699E-27	0.238229	hyper	sig	chr1_220881377
chr9	1.22E+08	122220546	+	1.389E-28	8.8699E-27	0.410216	hyper	sig	chr9_122220546
chr10	70552152	70552152	+	1.389E-28	8.8716E-27	0.372997	hyper	sig	chr10_70552152
chr20	46010832	46010832	+	1.39E-28	8.8782E-27	0.346638	hyper	sig	chr20_46010832
chr11	67573260	67573260	+	1.398E-28	8.9284E-27	-0.38266	hypo	sig	chr11_67573260
chr7	1.57E+08	157020303	+	1.399E-28	8.9311E-27	0.329001	hyper	sig	chr7_157020303
chr5	1552989	1552989	+	1.399E-28	8.9335E-27	0.280694	hyper	sig	chr5_1552989
chr19	57934971	57934971	+	1.402E-28	8.9478E-27	0.410412	hyper	sig	chr19_57934971
chr17	81342019	81342019	+	1.402E-28	8.9486E-27	0.389737	hyper	sig	chr17_81342019
chr5	38258767	38258767	+	1.402E-28	8.9509E-27	0.242208	hyper	sig	chr5_38258767
chr5	1.41E+08	141390024	+	1.402E-28	8.9512E-27	0.361523	hyper	sig	chr5_141390024
chr6	41638681	41638681	+	1.406E-28	8.9763E-27	0.278555	hyper	sig	chr6_41638681
chr4	78056099	78056099	+	1.407E-28	8.9808E-27	0.337782	hyper	sig	chr4_78056099
chr12	1.31E+08	131084886	+	1.409E-28	8.9934E-27	-0.3345	hypo	sig	chr12_131084886
chr12	96490028	96490028	+	1.412E-28	9.0092E-27	0.399812	hyper	sig	chr12_96490028
chr13	52848246	52848246	+	1.413E-28	9.0126E-27	0.347348	hyper	sig	chr13_52848246
chr22	43209459	43209459	+	1.414E-28	9.0179E-27	-0.3041	hypo	sig	chr22_43209459
chr5	3602186	3602186	+	1.416E-28	9.0321E-27	0.337592	hyper	sig	chr5_3602186
chr1	37478620	37478620	+	1.416E-28	9.0331E-27	-0.33885	hypo	sig	chr1_37478620
chr17	43400113	43400113	+	1.417E-28	9.0354E-27	0.286832	hyper	sig	chr17_43400113
chr8	64586270	64586270	+	1.42E-28	9.056E-27	0.383122	hyper	sig	chr8_64586270
chr20	5315747	5315747	+	1.424E-28	9.0831E-27	0.435887	hyper	sig	chr20_5315747
chr8	64586255	64586255	+	1.425E-28	9.0849E-27	0.377485	hyper	sig	chr8_64586255
chr19	48836140	48836140	+	1.426E-28	9.0933E-27	0.299251	hyper	sig	chr19_48836140
chr1	1.48E+08	148310144	+	1.428E-28	9.1072E-27	0.411299	hyper	sig	chr1_148310144
chr4	305028	305028	+	1.429E-28	9.1087E-27	0.307089	hyper	sig	chr4_305028
chr1	47434596	47434596	+	1.431E-28	9.1202E-27	0.358025	hyper	sig	chr1_47434596
chr14	1.07E+08	106873242	+	1.431E-28	9.1205E-27	-0.30529	hypo	sig	chr14_106873242
chr19	1440294	1440294	+	1.431E-28	9.1222E-27	-0.30252	hypo	sig	chr19_1440294
chr8	68330717	68330717	+	1.431E-28	9.123E-27	0.282272	hyper	sig	chr8_68330717
chr4	54231861	54231861	+	1.433E-28	9.1316E-27	0.383271	hyper	sig	chr4_54231861
chr7	19106932	19106932	+	1.435E-28	9.1472E-27	0.354983	hyper	sig	chr7_19106932
chr6	37649018	37649018	+	1.442E-28	9.1888E-27	0.397305	hyper	sig	chr6_37649018
chr20	62564027	62564027	+	1.447E-28	9.2189E-27	-0.35653	hypo	sig	chr20_62564027
chr12	53930799	53930799	+	1.447E-28	9.2211E-27	0.350577	hyper	sig	chr12_53930799
chr5	1.77E+08	177328198	+	1.448E-28	9.2265E-27	-0.33714	hypo	sig	chr5_177328198
chr14	1.01E+08	100845497	+	1.449E-28	9.2294E-27	-0.37314	hypo	sig	chr14_100845497
chr19	53521464	53521464	+	1.45E-28	9.2325E-27	0.341096	hyper	sig	chr19_53521464
chr13	24511282	24511282	+	1.45E-28	9.236E-27	-0.29524	hypo	sig	chr13_24511282
chr14	56811458	56811458	+	1.453E-28	9.2542E-27	0.317875	hyper	sig	chr14_56811458
chr1	47444259	47444259	+	1.454E-28	9.2579E-27	0.332475	hyper	sig	chr1_47444259
chr4	1.86E+08	185797262	+	1.457E-28	9.2754E-27	0.306841	hyper	sig	chr4_185797262
chr6	1449204	1449204	+	1.459E-28	9.2885E-27	-0.25849	hypo	sig	chr6_1449204
chr5	1.41E+08	140869552	+	1.46E-28	9.292E-27	0.32666	hyper	sig	chr5_140869552
chr17	79712129	79712129	+	1.46E-28	9.2954E-27	-0.33824	hypo	sig	chr17_79712129
chr16	85366192	85366192	+	1.464E-28	9.3167E-27	0.3082	hyper	sig	chr16_85366192
chr3	13638150	13638150	+	1.465E-28	9.3249E-27	-0.33054	hypo	sig	chr3_13638150
chr10	1.01E+08	101228484	+	1.473E-28	9.373E-27	0.337597	hyper	sig	chr10_101228484
chr3	32391450	32391450	+	1.473E-28	9.376E-27	-0.22085	hypo	sig	chr3_32391450

chr2	2.41E+08	240520132	+	1.475E-28	9.3847E-27	0.389311	hyper	sig	chr2_240520132
chr7	1.55E+08	155466158	+	1.476E-28	9.3913E-27	0.323314	hyper	sig	chr7_155466158
chr20	9514483	9514483	+	1.479E-28	9.4072E-27	0.232306	hyper	sig	chr20_9514483
chr13	1.12E+08	112056540	+	1.48E-28	9.4162E-27	0.42642	hyper	sig	chr13_112056540
chr17	49462465	49462465	+	1.481E-28	9.4203E-27	-0.31688	hypo	sig	chr17_49462465
chr4	7735082	7735082	+	1.486E-28	9.4541E-27	-0.31938	hypo	sig	chr4_7735082
chr7	32427872	32427872	+	1.487E-28	9.4565E-27	0.331962	hyper	sig	chr7_32427872
chr13	1.13E+08	112994613	+	1.489E-28	9.4674E-27	-0.35943	hypo	sig	chr13_112994613
chr13	27921961	27921961	+	1.501E-28	9.5422E-27	0.377206	hyper	sig	chr13_27921961
chr10	23200923	23200923	+	1.501E-28	9.5474E-27	0.333961	hyper	sig	chr10_23200923
chr5	51382615	51382615	+	1.506E-28	9.5779E-27	0.316935	hyper	sig	chr5_51382615
chr1	37475776	37475776	+	1.513E-28	9.6218E-27	-0.32165	hypo	sig	chr1_37475776
chr2	11777504	11777504	+	1.514E-28	9.6225E-27	-0.2958	hypo	sig	chr2_11777504
chr5	51389720	51389720	+	1.516E-28	9.6389E-27	0.309375	hyper	sig	chr5_51389720
chr19	2607968	2607968	+	1.519E-28	9.6522E-27	-0.32191	hypo	sig	chr19_2607968
chr3	44021797	44021797	+	1.521E-28	9.6685E-27	0.319538	hyper	sig	chr3_44021797
chr11	314281	314281	+	1.522E-28	9.6742E-27	-0.21888	hypo	sig	chr11_314281
chr12	1.33E+08	132524572	+	1.525E-28	9.6907E-27	-0.41709	hypo	sig	chr12_132524572
chr12	1.11E+08	111036240	+	1.528E-28	9.7076E-27	0.242119	hyper	sig	chr12_111036240
chr5	17495672	17495672	+	1.533E-28	9.7388E-27	-0.4594	hypo	sig	chr5_17495672
chr21	43829993	43829993	+	1.534E-28	9.7487E-27	-0.36429	hypo	sig	chr21_43829993
chr6	1.7E+08	170177195	+	1.538E-28	9.7688E-27	-0.4296	hypo	sig	chr6_170177195
chr10	98062715	98062715	+	1.544E-28	9.8099E-27	-0.29614	hypo	sig	chr10_98062715
chr6	99609284	99609284	+	1.546E-28	9.8227E-27	0.359139	hyper	sig	chr6_99609284
chr6	10390656	10390656	+	1.549E-28	9.8359E-27	0.345574	hyper	sig	chr6_10390656
chr19	34595992	34595992	+	1.55E-28	9.8406E-27	-0.29815	hypo	sig	chr19_34595992
chr8	47998117	47998117	+	1.552E-28	9.8578E-27	-0.34619	hypo	sig	chr8_47998117
chr14	36517182	36517182	+	1.553E-28	9.8597E-27	0.330263	hyper	sig	chr14_36517182
chr12	52601517	52601517	+	1.556E-28	9.8824E-27	0.297462	hyper	sig	chr12_52601517
chr16	73064865	73064865	+	1.557E-28	9.8824E-27	-0.30527	hypo	sig	chr16_73064865
chr2	24828105	24828105	+	1.559E-28	9.8958E-27	0.419669	hyper	sig	chr2_24828105
chr7	19106943	19106943	+	1.564E-28	9.9277E-27	0.354404	hyper	sig	chr7_19106943
chr1	45623320	45623320	+	1.574E-28	9.9899E-27	0.376116	hyper	sig	chr1_45623320
chr11	20597545	20597545	+	1.578E-28	1.0013E-26	0.362182	hyper	sig	chr11_20597545
chr1	32704177	32704177	+	1.58E-28	1.003E-26	0.372975	hyper	sig	chr1_32704177
chr1	1.8E+08	179743979	+	1.581E-28	1.0033E-26	0.362556	hyper	sig	chr1_179743979
chr2	2.17E+08	216694758	+	1.582E-28	1.004E-26	0.314336	hyper	sig	chr2_216694758
chr1	898803	898803	+	1.582E-28	1.004E-26	-0.32673	hypo	sig	chr1_898803
chr17	64779010	64779010	+	1.585E-28	1.0056E-26	0.384755	hyper	sig	chr17_64779010
chr2	468262	468262	+	1.588E-28	1.0076E-26	0.304263	hyper	sig	chr2_468262
chr20	51023519	51023519	+	1.589E-28	1.0079E-26	0.420058	hyper	sig	chr20_51023519
chr17	43892330	43892330	+	1.595E-28	1.0114E-26	-0.31677	hypo	sig	chr17_43892330
chr8	76683060	76683060	+	1.595E-28	1.0118E-26	0.324161	hyper	sig	chr8_76683060
chr5	1.32E+08	132258117	+	1.597E-28	1.013E-26	0.365064	hyper	sig	chr5_132258117
chr21	36708924	36708924	+	1.602E-28	1.016E-26	0.253331	hyper	sig	chr21_36708924
chr2	1.61E+08	161427519	+	1.606E-28	1.018E-26	0.329041	hyper	sig	chr2_161427519
chr12	52043703	52043703	+	1.61E-28	1.0211E-26	0.276702	hyper	sig	chr12_52043703
chr11	2335590	2335590	+	1.611E-28	1.0215E-26	-0.22426	hypo	sig	chr11_2335590
chr15	64763140	64763140	+	1.611E-28	1.0215E-26	0.26398	hyper	sig	chr15_64763140
chr19	3669799	3669799	+	1.612E-28	1.0217E-26	0.343577	hyper	sig	chr19_3669799
chr3	27730289	27730289	+	1.616E-28	1.0245E-26	0.291891	hyper	sig	chr3_27730289
chr10	1.32E+08	131937944	+	1.619E-28	1.0262E-26	0.254889	hyper	sig	chr10_131937944
chr12	1.33E+08	132768699	+	1.619E-28	1.0262E-26	0.398319	hyper	sig	chr12_132768699
chr3	42265482	42265482	+	1.623E-28	1.0282E-26	0.344048	hyper	sig	chr3_42265482
chr7	4078911	4078911	+	1.624E-28	1.0291E-26	-0.38805	hypo	sig	chr7_4078911
chr22	38110570	38110570	+	1.625E-28	1.0293E-26	-0.33485	hypo	sig	chr22_38110570

chr1	18632426	18632426	+	1.627E-28	1.0306E-26	0.41024	hyper	sig	chr1_18632426
chr19	3821376	3821376	+	1.627E-28	1.0307E-26	-0.42899	hypo	sig	chr19_3821376
chr8	84184967	84184967	+	1.63E-28	1.0325E-26	0.320126	hyper	sig	chr8_84184967
chr5	42971264	42971264	+	1.631E-28	1.0334E-26	0.258361	hyper	sig	chr5_42971264
chr15	90212872	90212872	+	1.633E-28	1.0343E-26	-0.28595	hypo	sig	chr15_90212872
chr17	81027150	81027150	+	1.634E-28	1.0349E-26	0.37344	hyper	sig	chr17_81027150
chr4	54232216	54232216	+	1.637E-28	1.0366E-26	0.326769	hyper	sig	chr4_54232216
chr5	1.42E+08	141512734	+	1.639E-28	1.0376E-26	0.418547	hyper	sig	chr5_141512734
chr16	84851624	84851624	+	1.64E-28	1.0383E-26	-0.35784	hypo	sig	chr16_84851624
chr10	1.18E+08	117536364	+	1.64E-28	1.0384E-26	0.255115	hyper	sig	chr10_117536364
chr11	32428247	32428247	+	1.641E-28	1.0386E-26	0.364334	hyper	sig	chr11_32428247
chr16	3654736	3654736	+	1.643E-28	1.0398E-26	-0.31484	hypo	sig	chr16_3654736
chr1	31772292	31772292	+	1.643E-28	1.04E-26	0.285199	hyper	sig	chr1_31772292
chr5	37839669	37839669	+	1.643E-28	1.04E-26	0.326756	hyper	sig	chr5_37839669
chr22	46374468	46374468	+	1.646E-28	1.0414E-26	-0.30417	hypo	sig	chr22_46374468
chr1	27118865	27118865	+	1.646E-28	1.0415E-26	0.347678	hyper	sig	chr1_27118865
chr11	24496590	24496590	+	1.646E-28	1.0418E-26	0.245304	hyper	sig	chr11_24496590
chr17	80067624	80067624	+	1.653E-28	1.046E-26	-0.30351	hypo	sig	chr17_80067624
chr19	22634170	22634170	+	1.655E-28	1.0473E-26	0.299238	hyper	sig	chr19_22634170
chr20	36543516	36543516	+	1.66E-28	1.0501E-26	0.375037	hyper	sig	chr20_36543516
chr5	64506580	64506580	+	1.663E-28	1.0521E-26	0.252266	hyper	sig	chr5_64506580
chr2	63055661	63055661	+	1.664E-28	1.0522E-26	0.355322	hyper	sig	chr2_63055661
chr10	68957546	68957546	+	1.669E-28	1.0559E-26	-0.30251	hypo	sig	chr10_68957546
chr1	50417332	50417332	+	1.671E-28	1.057E-26	0.333116	hyper	sig	chr1_50417332
chr6	30163664	30163664	+	1.673E-28	1.0581E-26	-0.39962	hypo	sig	chr6_30163664
chr5	1.41E+08	141393073	+	1.676E-28	1.0599E-26	0.28573	hyper	sig	chr5_141393073
chr11	1729533	1729533	+	1.679E-28	1.0615E-26	-0.35338	hypo	sig	chr11_1729533
chr12	6620552	6620552	+	1.684E-28	1.0649E-26	0.327996	hyper	sig	chr12_6620552
chr20	36876150	36876150	+	1.684E-28	1.0649E-26	-0.31391	hypo	sig	chr20_36876150
chr5	1.41E+08	141389438	+	1.685E-28	1.0654E-26	0.305833	hyper	sig	chr5_141389438
chr19	48556591	48556591	+	1.688E-28	1.0672E-26	-0.29398	hypo	sig	chr19_48556591
chr20	63775120	63775120	+	1.689E-28	1.0676E-26	0.336834	hyper	sig	chr20_63775120
chr2	38077578	38077578	+	1.693E-28	1.0702E-26	-0.22774	hypo	sig	chr2_38077578
chr6	2891727	2891727	+	1.695E-28	1.071E-26	-0.35298	hypo	sig	chr6_2891727
chr10	1.01E+08	101227760	+	1.695E-28	1.0711E-26	0.338649	hyper	sig	chr10_101227760
chr16	2124766	2124766	+	1.704E-28	1.0765E-26	0.366152	hyper	sig	chr16_2124766
chr2	2.22E+08	222289450	+	1.704E-28	1.0765E-26	0.321176	hyper	sig	chr2_222289450
chr2	27308596	27308596	+	1.706E-28	1.0776E-26	0.370603	hyper	sig	chr2_27308596
chr20	44356003	44356003	+	1.708E-28	1.0791E-26	-0.4451	hypo	sig	chr20_44356003
chr7	51803916	51803916	+	1.71E-28	1.0798E-26	-0.44586	hypo	sig	chr7_51803916
chr5	1.56E+08	155729804	+	1.721E-28	1.0867E-26	0.314501	hyper	sig	chr5_155729804
chr6	98847873	98847873	+	1.721E-28	1.0867E-26	0.295601	hyper	sig	chr6_98847873
chr13	83879536	83879536	+	1.721E-28	1.0868E-26	0.311766	hyper	sig	chr13_83879536
chr4	1E+08	100190770	+	1.721E-28	1.0868E-26	0.269571	hyper	sig	chr4_100190770
chr15	66707165	66707165	+	1.722E-28	1.0871E-26	0.346115	hyper	sig	chr15_66707165
chr11	32433403	32433403	+	1.728E-28	1.0908E-26	0.33543	hyper	sig	chr11_32433403
chr5	1.41E+08	141150122	+	1.728E-28	1.0909E-26	0.321679	hyper	sig	chr5_141150122
chr13	1.12E+08	112056461	+	1.729E-28	1.0916E-26	0.451001	hyper	sig	chr13_112056461
chr7	5294647	5294647	+	1.732E-28	1.0929E-26	-0.3256	hypo	sig	chr7_5294647
chr6	33080725	33080725	+	1.732E-28	1.093E-26	0.452114	hyper	sig	chr6_33080725
chr10	7408413	7408413	+	1.733E-28	1.094E-26	0.257416	hyper	sig	chr10_7408413
chr20	21020475	21020475	+	1.74E-28	1.0978E-26	0.352752	hyper	sig	chr20_21020475
chr12	1.25E+08	125219273	+	1.74E-28	1.0981E-26	-0.34906	hypo	sig	chr12_125219273
chr7	37448972	37448972	+	1.743E-28	1.0996E-26	0.279247	hyper	sig	chr7_37448972
chr20	32457335	32457335	+	1.744E-28	1.1002E-26	0.441624	hyper	sig	chr20_32457335
chr4	54232192	54232192	+	1.744E-28	1.1004E-26	0.302508	hyper	sig	chr4_54232192

chr16	68647115	68647115	+	1.747E-28	1.1023E-26	0.309164	hyper	sig	chr16_68647115
chr12	1.3E+08	130339467	+	1.749E-28	1.1034E-26	0.309795	hyper	sig	chr12_130339467
chr11	43581415	43581415	+	1.75E-28	1.1039E-26	0.341178	hyper	sig	chr11_43581415
chr19	40422829	40422829	+	1.751E-28	1.104E-26	0.30148	hyper	sig	chr19_40422829
chr13	57630087	57630087	+	1.752E-28	1.1046E-26	0.49717	hyper	sig	chr13_57630087
chr3	1.72E+08	172448480	+	1.757E-28	1.1079E-26	0.341957	hyper	sig	chr3_172448480
chr4	1.74E+08	173519528	+	1.758E-28	1.1086E-26	0.375934	hyper	sig	chr4_173519528
chr6	1.7E+08	170081870	+	1.759E-28	1.1089E-26	-0.32859	hypo	sig	chr6_170081870
chr16	692426	692426	+	1.762E-28	1.111E-26	-0.2888	hypo	sig	chr16_692426
chr13	25469088	25469088	+	1.766E-28	1.1129E-26	0.386052	hyper	sig	chr13_25469088
chr6	1.05E+08	104861017	+	1.773E-28	1.1177E-26	-0.31144	hypo	sig	chr6_104861017
chr5	83471761	83471761	+	1.774E-28	1.1182E-26	0.318208	hyper	sig	chr5_83471761
chr2	2.22E+08	222304738	+	1.774E-28	1.1182E-26	0.387616	hyper	sig	chr2_222304738
chr19	51949106	51949106	+	1.775E-28	1.1188E-26	0.325751	hyper	sig	chr19_51949106
chr10	1.24E+08	124010764	+	1.776E-28	1.1193E-26	0.343678	hyper	sig	chr10_124010764
chr2	951403	951403	+	1.778E-28	1.1205E-26	0.338925	hyper	sig	chr2_951403
chr10	510608	510608	+	1.779E-28	1.1208E-26	0.24893	hyper	sig	chr10_510608
chr9	1.33E+08	132586822	+	1.779E-28	1.1208E-26	0.327015	hyper	sig	chr9_132586822
chr10	49614604	49614604	+	1.78E-28	1.121E-26	0.282937	hyper	sig	chr10_49614604
chr15	59994973	59994973	+	1.78E-28	1.1214E-26	0.272736	hyper	sig	chr15_59994973
chr11	94909829	94909829	+	1.781E-28	1.1216E-26	-0.40533	hypo	sig	chr11_94909829
chr12	1.15E+08	114687248	+	1.783E-28	1.1227E-26	0.361988	hyper	sig	chr12_114687248
chr2	12718450	12718450	+	1.783E-28	1.1228E-26	0.243774	hyper	sig	chr2_12718450
chr4	1.84E+08	183723415	+	1.785E-28	1.1241E-26	-0.32078	hypo	sig	chr4_183723415
chr7	4767449	4767449	+	1.791E-28	1.1274E-26	0.333637	hyper	sig	chr7_4767449
chr8	1.19E+08	119207688	+	1.794E-28	1.1294E-26	-0.28776	hypo	sig	chr8_119207688
chr7	24284326	24284326	+	1.798E-28	1.1317E-26	0.33894	hyper	sig	chr7_24284326
chr16	86670880	86670880	+	1.799E-28	1.1322E-26	0.354837	hyper	sig	chr16_86670880
chr11	31799516	31799516	+	1.8E-28	1.1328E-26	0.319024	hyper	sig	chr11_31799516
chr11	43581367	43581367	+	1.808E-28	1.1378E-26	0.344103	hyper	sig	chr11_43581367
chr7	38975990	38975990	+	1.812E-28	1.1406E-26	0.366984	hyper	sig	chr7_38975990
chr15	74831048	74831048	+	1.814E-28	1.1418E-26	0.290022	hyper	sig	chr15_74831048
chr12	3305019	3305019	+	1.821E-28	1.1461E-26	-0.35876	hypo	sig	chr12_3305019
chr6	1.12E+08	112052916	+	1.824E-28	1.1479E-26	-0.32634	hypo	sig	chr6_112052916
chr5	1.77E+08	177495905	+	1.825E-28	1.148E-26	0.28814	hyper	sig	chr5_177495905
chr16	51151149	51151149	+	1.826E-28	1.1486E-26	0.444464	hyper	sig	chr16_51151149
chr8	64586476	64586476	+	1.828E-28	1.1496E-26	0.297433	hyper	sig	chr8_64586476
chr20	21703770	21703770	+	1.828E-28	1.1499E-26	0.451999	hyper	sig	chr20_21703770
chr2	2.39E+08	239291362	+	1.833E-28	1.1528E-26	0.347023	hyper	sig	chr2_239291362
chr19	12513828	12513828	+	1.835E-28	1.1537E-26	0.36909	hyper	sig	chr19_12513828
chr1	3650737	3650737	+	1.838E-28	1.1557E-26	0.322334	hyper	sig	chr1_3650737
chr19	22422432	22422432	+	1.844E-28	1.1595E-26	0.296543	hyper	sig	chr19_22422432
chr12	3493120	3493120	+	1.845E-28	1.1601E-26	0.232586	hyper	sig	chr12_3493120
chr13	93228715	93228715	+	1.846E-28	1.1603E-26	0.323689	hyper	sig	chr13_93228715
chr11	69819688	69819688	+	1.849E-28	1.1623E-26	0.260542	hyper	sig	chr11_69819688
chr13	1.12E+08	112069234	+	1.853E-28	1.165E-26	0.310863	hyper	sig	chr13_112069234
chr7	1237869	1237869	+	1.857E-28	1.1673E-26	0.398745	hyper	sig	chr7_1237869
chr17	42563210	42563210	+	1.858E-28	1.1674E-26	-0.32207	hypo	sig	chr17_42563210
chr21	41362415	41362415	+	1.862E-28	1.1703E-26	-0.43903	hypo	sig	chr21_41362415
chr13	27792679	27792679	+	1.87E-28	1.1752E-26	0.392671	hyper	sig	chr13_27792679
chr15	40128903	40128903	+	1.871E-28	1.1756E-26	-0.30066	hypo	sig	chr15_40128903
chr19	40224777	40224777	+	1.873E-28	1.1766E-26	-0.50811	hypo	sig	chr19_40224777
chr15	61076774	61076774	+	1.876E-28	1.1787E-26	-0.3194	hypo	sig	chr15_61076774
chr3	1.88E+08	187670437	+	1.885E-28	1.1844E-26	0.279461	hyper	sig	chr3_187670437
chr1	1.55E+08	155320417	+	1.887E-28	1.1853E-26	0.333949	hyper	sig	chr1_155320417
chr19	17407291	17407291	+	1.895E-28	1.1903E-26	-0.29917	hypo	sig	chr19_17407291

chr6	33080752	33080752	+	1.898E-28	1.1921E-26	0.426677	hyper	sig	chr6_33080752
chr6	10384950	10384950	+	1.902E-28	1.1946E-26	0.412356	hyper	sig	chr6_10384950
chr11	31797875	31797875	+	1.908E-28	1.1981E-26	0.287838	hyper	sig	chr11_31797875
chr11	94769451	94769451	+	1.91E-28	1.1991E-26	0.274267	hyper	sig	chr11_94769451
chr16	87127319	87127319	+	1.91E-28	1.1991E-26	0.374389	hyper	sig	chr16_87127319
chr1	35560900	35560900	+	1.912E-28	1.2001E-26	0.402867	hyper	sig	chr1_35560900
chr5	1.41E+08	141351760	+	1.916E-28	1.2028E-26	0.323141	hyper	sig	chr5_141351760
chr15	60949235	60949235	+	1.917E-28	1.203E-26	-0.4189	hypo	sig	chr15_60949235
chr2	2.18E+08	218259540	+	1.918E-28	1.2041E-26	0.364442	hyper	sig	chr2_218259540
chr5	1.81E+08	181219642	+	1.929E-28	1.211E-26	0.345277	hyper	sig	chr5_181219642
chr17	65228927	65228927	+	1.934E-28	1.2136E-26	-0.24943	hypo	sig	chr17_65228927
chr10	22345295	22345295	+	1.936E-28	1.2146E-26	0.327853	hyper	sig	chr10_22345295
chr7	1.55E+08	155399165	+	1.936E-28	1.2146E-26	-0.40476	hypo	sig	chr7_155399165
chr2	1.19E+08	118849836	+	1.938E-28	1.216E-26	0.317693	hyper	sig	chr2_118849836
chr13	78607812	78607812	+	1.942E-28	1.2181E-26	0.429851	hyper	sig	chr13_78607812
chr14	77140552	77140552	+	1.949E-28	1.2223E-26	0.291857	hyper	sig	chr14_77140552
chr11	2140662	2140662	+	1.952E-28	1.2244E-26	0.299767	hyper	sig	chr11_2140662
chr19	20661427	20661427	+	1.955E-28	1.2263E-26	0.296132	hyper	sig	chr19_20661427
chr5	12795286	12795286	+	1.956E-28	1.2268E-26	-0.34745	hypo	sig	chr5_12795286
chr16	89316022	89316022	+	1.96E-28	1.2291E-26	-0.38116	hypo	sig	chr16_89316022
chr10	98464402	98464402	+	1.961E-28	1.2294E-26	-0.35749	hypo	sig	chr10_98464402
chr11	1.34E+08	134069785	+	1.961E-28	1.2294E-26	0.440646	hyper	sig	chr11_134069785
chr13	21319178	21319178	+	1.961E-28	1.2295E-26	0.382464	hyper	sig	chr13_21319178
chr5	1.41E+08	141485057	+	1.971E-28	1.236E-26	0.344342	hyper	sig	chr5_141485057
chr2	70768074	70768074	+	1.977E-28	1.2392E-26	0.375938	hyper	sig	chr2_70768074
chr7	66505128	66505128	+	1.978E-28	1.2399E-26	-0.35034	hypo	sig	chr7_66505128
chr16	70686537	70686537	+	1.98E-28	1.2413E-26	0.320452	hyper	sig	chr16_70686537
chr7	1538117	1538117	+	1.981E-28	1.2416E-26	0.391587	hyper	sig	chr7_1538117
chr17	79712037	79712037	+	1.985E-28	1.2436E-26	-0.36492	hypo	sig	chr17_79712037
chr5	88678321	88678321	+	1.985E-28	1.2436E-26	0.319509	hyper	sig	chr5_88678321
chr2	2.06E+08	205686488	+	1.985E-28	1.2441E-26	0.383976	hyper	sig	chr2_205686488
chr13	77919429	77919429	+	1.986E-28	1.2444E-26	0.291785	hyper	sig	chr13_77919429
chr2	1.29E+08	128900153	+	1.992E-28	1.2482E-26	-0.33226	hypo	sig	chr2_128900153
chr14	77140879	77140879	+	1.995E-28	1.2495E-26	0.402071	hyper	sig	chr14_77140879
chr1	10671992	10671992	+	2E-28	1.2531E-26	0.466938	hyper	sig	chr1_10671992
chr6	50849720	50849720	+	2.004E-28	1.2554E-26	0.303258	hyper	sig	chr6_50849720
chr2	2.39E+08	239240098	+	2.007E-28	1.2569E-26	0.3465	hyper	sig	chr2_239240098
chr10	1.33E+08	132592017	+	2.008E-28	1.2575E-26	-0.32073	hypo	sig	chr10_132592017
chr16	10877334	10877334	+	2.008E-28	1.2575E-26	-0.27142	hypo	sig	chr16_10877334
chr13	1.12E+08	112073932	+	2.009E-28	1.2581E-26	0.303434	hyper	sig	chr13_112073932
chr2	2.22E+08	222300200	+	2.01E-28	1.2584E-26	0.303006	hyper	sig	chr2_222300200
chr12	57236480	57236480	+	2.016E-28	1.262E-26	0.418404	hyper	sig	chr12_57236480
chr13	1.12E+08	112037835	+	2.019E-28	1.2639E-26	-0.31231	hypo	sig	chr13_112037835
chr11	1.06E+08	105610733	+	2.019E-28	1.264E-26	0.286716	hyper	sig	chr11_105610733
chr2	63055141	63055141	+	2.02E-28	1.2641E-26	0.305302	hyper	sig	chr2_63055141
chr19	49196649	49196649	+	2.021E-28	1.2649E-26	0.424048	hyper	sig	chr19_49196649
chr2	96859041	96859041	+	2.025E-28	1.2672E-26	0.35473	hyper	sig	chr2_96859041
chr8	71556363	71556363	+	2.029E-28	1.2698E-26	0.341207	hyper	sig	chr8_71556363
chr8	19758222	19758222	+	2.03E-28	1.2702E-26	-0.30812	hypo	sig	chr8_19758222
chr8	1.16E+08	115648470	+	2.03E-28	1.2704E-26	0.376322	hyper	sig	chr8_115648470
chr5	3594219	3594219	+	2.031E-28	1.2704E-26	0.321383	hyper	sig	chr5_3594219
chr13	96091900	96091900	+	2.034E-28	1.2727E-26	0.327214	hyper	sig	chr13_96091900
chr1	50417657	50417657	+	2.036E-28	1.2737E-26	0.299972	hyper	sig	chr1_50417657
chr8	1.44E+08	143569866	+	2.039E-28	1.2755E-26	0.367053	hyper	sig	chr8_143569866
chr17	50603071	50603071	+	2.041E-28	1.2768E-26	-0.32647	hypo	sig	chr17_50603071
chr17	8965955	8965955	+	2.042E-28	1.2771E-26	0.303258	hyper	sig	chr17_8965955

chr17	80502171	80502171	+	2.044E-28	1.2781E-26	0.276063	hyper	sig	chr17_80502171
chr8	1.31E+08	131041516	+	2.049E-28	1.2815E-26	0.361052	hyper	sig	chr8_131041516
chr16	85615207	85615207	+	2.052E-28	1.283E-26	-0.2876	hypo	sig	chr16_85615207
chr6	29830217	29830217	+	2.053E-28	1.2838E-26	-0.33794	hypo	sig	chr6_29830217
chr1	2.43E+08	242525379	+	2.066E-28	1.2914E-26	0.313423	hyper	sig	chr1_242525379
chr14	90455352	90455352	+	2.073E-28	1.2961E-26	0.36156	hyper	sig	chr14_90455352
chr11	20671260	20671260	+	2.074E-28	1.2964E-26	0.300757	hyper	sig	chr11_20671260
chr11	8168725	8168725	+	2.077E-28	1.2978E-26	0.37395	hyper	sig	chr11_8168725
chr2	1.32E+08	132257083	+	2.077E-28	1.2983E-26	0.367601	hyper	sig	chr2_132257083
chr5	1.41E+08	141371920	+	2.079E-28	1.2989E-26	0.341427	hyper	sig	chr5_141371920
chr7	15687862	15687862	+	2.079E-28	1.2989E-26	0.271021	hyper	sig	chr7_15687862
chr7	2572407	2572407	+	2.079E-28	1.2992E-26	-0.36563	hypo	sig	chr7_2572407
chr15	71125654	71125654	+	2.081E-28	1.3001E-26	0.39299	hyper	sig	chr15_71125654
chr1	1.67E+08	166989071	+	2.082E-28	1.3004E-26	-0.3578	hypo	sig	chr1_166989071
chr8	52940106	52940106	+	2.083E-28	1.3011E-26	0.365535	hyper	sig	chr8_52940106
chr12	53945549	53945549	+	2.085E-28	1.3026E-26	0.381294	hyper	sig	chr12_53945549
chr3	43998017	43998017	+	2.091E-28	1.3062E-26	0.307391	hyper	sig	chr3_43998017
chr20	30891878	30891878	+	2.095E-28	1.3084E-26	0.41937	hyper	sig	chr20_30891878
chr1	1.65E+08	165445258	+	2.098E-28	1.3104E-26	0.230291	hyper	sig	chr1_165445258
chr7	24285365	24285365	+	2.104E-28	1.314E-26	0.326018	hyper	sig	chr7_24285365
chr1	75128545	75128545	+	2.106E-28	1.3148E-26	0.323498	hyper	sig	chr1_75128545
chr5	1.5E+08	150189977	+	2.106E-28	1.3148E-26	0.345132	hyper	sig	chr5_150189977
chr20	57258360	57258360	+	2.108E-28	1.3159E-26	-0.31091	hypo	sig	chr20_57258360
chr16	3183101	3183101	+	2.111E-28	1.3175E-26	0.281561	hyper	sig	chr16_3183101
chr19	56403395	56403395	+	2.113E-28	1.3186E-26	0.342737	hyper	sig	chr19_56403395
chr11	69819651	69819651	+	2.114E-28	1.3194E-26	0.362081	hyper	sig	chr11_69819651
chr7	1.58E+08	157675791	+	2.116E-28	1.3206E-26	-0.41376	hypo	sig	chr7_157675791
chr17	48727035	48727035	+	2.12E-28	1.3228E-26	0.317756	hyper	sig	chr17_48727035
chr19	19861050	19861050	+	2.12E-28	1.3228E-26	0.31701	hyper	sig	chr19_19861050
chr9	88991084	88991084	+	2.123E-28	1.3244E-26	0.398511	hyper	sig	chr9_88991084
chr14	1.02E+08	102215276	+	2.123E-28	1.3247E-26	0.359063	hyper	sig	chr14_102215276
chr4	25863682	25863682	+	2.123E-28	1.3247E-26	-0.31547	hypo	sig	chr4_25863682
chr13	95644952	95644952	+	2.124E-28	1.3252E-26	0.258784	hyper	sig	chr13_95644952
chr15	82680943	82680943	+	2.125E-28	1.3255E-26	0.296457	hyper	sig	chr15_82680943
chr9	1.26E+08	126482510	+	2.125E-28	1.3255E-26	0.420791	hyper	sig	chr9_126482510
chr7	1.5E+08	150221103	+	2.129E-28	1.328E-26	0.288703	hyper	sig	chr7_150221103
chr12	63669192	63669192	+	2.131E-28	1.3288E-26	0.214528	hyper	sig	chr12_63669192
chr1	2911197	2911197	+	2.137E-28	1.3326E-26	-0.30381	hypo	sig	chr1_2911197
chr6	1.34E+08	134177841	+	2.137E-28	1.3326E-26	-0.34039	hypo	sig	chr6_134177841
chr11	22193835	22193835	+	2.14E-28	1.3342E-26	0.233695	hyper	sig	chr11_22193835
chr3	1.88E+08	187670369	+	2.14E-28	1.3344E-26	0.32633	hyper	sig	chr3_187670369
chr16	88958149	88958149	+	2.142E-28	1.3353E-26	-0.29698	hypo	sig	chr16_88958149
chr18	21241455	21241455	+	2.143E-28	1.336E-26	0.242128	hyper	sig	chr18_21241455
chr3	50365796	50365796	+	2.148E-28	1.3385E-26	-0.30328	hypo	sig	chr3_50365796
chr5	1.46E+08	146379288	+	2.154E-28	1.3421E-26	0.350238	hyper	sig	chr5_146379288
chr7	28410261	28410261	+	2.155E-28	1.3431E-26	0.338435	hyper	sig	chr7_28410261
chr10	27999242	27999242	+	2.158E-28	1.3446E-26	0.329503	hyper	sig	chr10_27999242
chr1	1.19E+08	118986096	+	2.158E-28	1.3449E-26	0.395339	hyper	sig	chr1_118986096
chr21	36705297	36705297	+	2.16E-28	1.3459E-26	0.451835	hyper	sig	chr21_36705297
chr3	1.61E+08	161105527	+	2.162E-28	1.3469E-26	0.246756	hyper	sig	chr3_161105527
chr22	44172890	44172890	+	2.163E-28	1.3476E-26	-0.26164	hypo	sig	chr22_44172890
chr13	1.11E+08	111052028	+	2.169E-28	1.351E-26	-0.32865	hypo	sig	chr13_111052028
chr1	2.31E+08	231163631	+	2.186E-28	1.3616E-26	0.317847	hyper	sig	chr1_231163631
chr1	1.19E+08	119006551	+	2.189E-28	1.3633E-26	0.324619	hyper	sig	chr1_119006551
chr16	84237102	84237102	+	2.189E-28	1.3633E-26	-0.30092	hypo	sig	chr16_84237102
chr10	1.01E+08	100744461	+	2.191E-28	1.3642E-26	0.279068	hyper	sig	chr10_100744461

chr13	37869613	37869613	+	2.196E-28	1.3674E-26	0.281191	hyper	sig	chr13_37869613
chr16	86337769	86337769	+	2.198E-28	1.3684E-26	-0.32204	hypo	sig	chr16_86337769
chr15	88769802	88769802	+	2.198E-28	1.3686E-26	0.278616	hyper	sig	chr15_88769802
chr1	3651358	3651358	+	2.2E-28	1.3696E-26	0.313668	hyper	sig	chr1_3651358
chr4	54232250	54232250	+	2.204E-28	1.3718E-26	0.338633	hyper	sig	chr4_54232250
chr22	39100458	39100458	+	2.204E-28	1.3718E-26	-0.38904	hypo	sig	chr22_39100458
chr19	36797688	36797688	+	2.205E-28	1.3725E-26	0.268998	hyper	sig	chr19_36797688
chr19	51010627	51010627	+	2.208E-28	1.3741E-26	-0.37373	hypo	sig	chr19_51010627
chr2	1.19E+08	118833620	+	2.21E-28	1.3749E-26	0.295311	hyper	sig	chr2_118833620
chr15	89407582	89407582	+	2.213E-28	1.3767E-26	0.257602	hyper	sig	chr15_89407582
chr16	563379	563379	+	2.213E-28	1.3767E-26	-0.40534	hypo	sig	chr16_563379
chr2	1.11E+08	111366514	+	2.214E-28	1.3775E-26	0.420969	hyper	sig	chr2_111366514
chr11	32439148	32439148	+	2.217E-28	1.3793E-26	0.221058	hyper	sig	chr11_32439148
chr22	17370983	17370983	+	2.221E-28	1.3816E-26	0.298866	hyper	sig	chr22_17370983
chr12	2057665	2057665	+	2.232E-28	1.3883E-26	0.377584	hyper	sig	chr12_2057665
chr4	1.74E+08	173538980	+	2.235E-28	1.3896E-26	0.246775	hyper	sig	chr4_173538980
chr1	7640577	7640577	+	2.237E-28	1.3914E-26	-0.3588	hypo	sig	chr1_7640577
chr17	43400100	43400100	+	2.247E-28	1.3972E-26	0.291229	hyper	sig	chr17_43400100
chr15	45378280	45378280	+	2.252E-28	1.4001E-26	0.288621	hyper	sig	chr15_45378280
chr19	58009840	58009840	+	2.252E-28	1.4001E-26	0.268791	hyper	sig	chr19_58009840
chr5	194764	194764	+	2.255E-28	1.4021E-26	-0.34347	hypo	sig	chr5_194764
chr13	21319132	21319132	+	2.259E-28	1.4044E-26	0.41843	hyper	sig	chr13_21319132
chr10	7412652	7412652	+	2.26E-28	1.4046E-26	0.326477	hyper	sig	chr10_7412652
chr8	1186982	1186982	+	2.26E-28	1.4048E-26	-0.29807	hypo	sig	chr8_1186982
chr3	26623271	26623271	+	2.261E-28	1.405E-26	0.334462	hyper	sig	chr3_26623271
chr4	1.72E+08	171813125	+	2.263E-28	1.4063E-26	0.269309	hyper	sig	chr4_171813125
chr1	1.53E+08	152812438	+	2.266E-28	1.4077E-26	-0.34475	hypo	sig	chr1_152812438
chr4	4862568	4862568	+	2.268E-28	1.4089E-26	0.339156	hyper	sig	chr4_4862568
chr10	50024998	50024998	+	2.269E-28	1.4098E-26	0.333438	hyper	sig	chr10_50024998
chr11	1.19E+08	118531573	+	2.271E-28	1.4105E-26	0.383477	hyper	sig	chr11_118531573
chr19	21474848	21474848	+	2.271E-28	1.4105E-26	0.284882	hyper	sig	chr19_21474848
chr2	2.37E+08	237073603	+	2.272E-28	1.411E-26	-0.2669	hypo	sig	chr2_237073603
chr4	6663960	6663960	+	2.274E-28	1.4124E-26	0.421681	hyper	sig	chr4_6663960
chr19	45783393	45783393	+	2.285E-28	1.4191E-26	0.356834	hyper	sig	chr19_45783393
chr8	41312897	41312897	+	2.286E-28	1.4196E-26	-0.32298	hypo	sig	chr8_41312897
chr10	49322726	49322726	+	2.286E-28	1.4197E-26	-0.2662	hypo	sig	chr10_49322726
chr4	8394346	8394346	+	2.288E-28	1.4207E-26	0.311371	hyper	sig	chr4_8394346
chr17	21452691	21452691	+	2.293E-28	1.4234E-26	0.340644	hyper	sig	chr17_21452691
chr15	83206925	83206925	+	2.297E-28	1.4257E-26	0.219082	hyper	sig	chr15_83206925
chr2	1.32E+08	132278639	+	2.297E-28	1.4259E-26	-0.27176	hypo	sig	chr2_132278639
chr7	2110395	2110395	+	2.3E-28	1.4279E-26	-0.37416	hypo	sig	chr7_2110395
chr7	922914	922914	+	2.306E-28	1.4313E-26	-0.42113	hypo	sig	chr7_922914
chr2	44955027	44955027	+	2.312E-28	1.4349E-26	0.256582	hyper	sig	chr2_44955027
chr6	50850557	50850557	+	2.315E-28	1.4368E-26	0.299251	hyper	sig	chr6_50850557
chr13	1.13E+08	113420524	+	2.322E-28	1.4409E-26	-0.36148	hypo	sig	chr13_113420524
chr1	24965059	24965059	+	2.325E-28	1.4427E-26	-0.32302	hypo	sig	chr1_24965059
chr17	7383819	7383819	+	2.325E-28	1.4427E-26	0.341493	hyper	sig	chr17_7383819
chr7	1226011	1226011	+	2.328E-28	1.4443E-26	0.326397	hyper	sig	chr7_1226011
chr7	1.49E+08	149415311	+	2.331E-28	1.4457E-26	0.323626	hyper	sig	chr7_149415311
chr7	1.04E+08	103989098	+	2.336E-28	1.4488E-26	0.293193	hyper	sig	chr7_103989098
chr12	6551976	6551976	+	2.338E-28	1.4498E-26	0.294695	hyper	sig	chr12_6551976
chr1	1.21E+08	121006988	+	2.339E-28	1.4503E-26	0.318842	hyper	sig	chr1_121006988
chr11	1853212	1853212	+	2.339E-28	1.4503E-26	-0.37071	hypo	sig	chr11_1853212
chr16	1136207	1136207	+	2.339E-28	1.4505E-26	-0.30581	hypo	sig	chr16_1136207
chr5	43019820	43019820	+	2.342E-28	1.4524E-26	-0.21062	hypo	sig	chr5_43019820
chr5	1.73E+08	173236770	+	2.343E-28	1.4527E-26	0.288449	hyper	sig	chr5_173236770

chr3	1.38E+08	138111173	+	2.344E-28	1.4529E-26	-0.30835	hypo	sig	chr3_138111173
chr7	5349121	5349121	+	2.345E-28	1.4538E-26	0.310617	hyper	sig	chr7_5349121
chr11	92225274	92225274	+	2.346E-28	1.4539E-26	0.311497	hyper	sig	chr11_92225274
chr6	32754727	32754727	+	2.355E-28	1.4597E-26	-0.38222	hypo	sig	chr6_32754727
chr10	1.3E+08	129969682	+	2.357E-28	1.4607E-26	0.292351	hyper	sig	chr10_129969682
chr19	31356261	31356261	+	2.357E-28	1.4607E-26	-0.3396	hypo	sig	chr19_31356261
chr8	26051779	26051779	+	2.361E-28	1.4631E-26	0.276086	hyper	sig	chr8_26051779
chr13	1.14E+08	114131180	+	2.362E-28	1.4635E-26	0.319713	hyper	sig	chr13_114131180
chr3	1.28E+08	128483957	+	2.362E-28	1.4635E-26	0.289147	hyper	sig	chr3_128483957
chr8	17026670	17026670	+	2.365E-28	1.4655E-26	0.290265	hyper	sig	chr8_17026670
chr17	1137766	1137766	+	2.374E-28	1.4703E-26	-0.32016	hypo	sig	chr17_1137766
chr16	3184316	3184316	+	2.389E-28	1.4797E-26	0.355452	hyper	sig	chr16_3184316
chr9	971453	971453	+	2.389E-28	1.48E-26	0.441821	hyper	sig	chr9_971453
chr1	1.19E+08	118989421	+	2.392E-28	1.4812E-26	0.345023	hyper	sig	chr1_118989421
chr1	1.75E+08	175045521	+	2.396E-28	1.4836E-26	-0.38413	hypo	sig	chr1_175045521
chr2	2.19E+08	219434394	+	2.401E-28	1.4866E-26	0.308686	hyper	sig	chr2_219434394
chr12	52970761	52970761	+	2.411E-28	1.493E-26	-0.33941	hypo	sig	chr12_52970761
chr13	1.14E+08	114015307	+	2.417E-28	1.4964E-26	-0.37158	hypo	sig	chr13_114015307
chr6	39931582	39931582	+	2.422E-28	1.4992E-26	-0.35196	hypo	sig	chr6_39931582
chr1	2.08E+08	207669913	+	2.423E-28	1.4999E-26	0.315036	hyper	sig	chr1_207669913
chr2	2.41E+08	240982659	+	2.428E-28	1.5031E-26	-0.33956	hypo	sig	chr2_240982659
chr7	1055379	1055379	+	2.43E-28	1.5042E-26	0.352265	hyper	sig	chr7_1055379
chr10	62378197	62378197	+	2.431E-28	1.5044E-26	-0.36753	hypo	sig	chr10_62378197
chr13	27792673	27792673	+	2.431E-28	1.5044E-26	0.379728	hyper	sig	chr13_27792673
chr20	46011684	46011684	+	2.431E-28	1.5044E-26	0.420818	hyper	sig	chr20_46011684
chr19	20661257	20661257	+	2.433E-28	1.5054E-26	0.291419	hyper	sig	chr19_20661257
chr7	71133305	71133305	+	2.433E-28	1.5054E-26	0.372872	hyper	sig	chr7_71133305
chr12	84912058	84912058	+	2.435E-28	1.5064E-26	0.416529	hyper	sig	chr12_84912058
chr11	72013329	72013329	+	2.436E-28	1.5067E-26	0.321485	hyper	sig	chr11_72013329
chr6	2891734	2891734	+	2.447E-28	1.5136E-26	-0.34712	hypo	sig	chr6_2891734
chr10	1.33E+08	132943070	+	2.451E-28	1.516E-26	0.45159	hyper	sig	chr10_132943070
chr2	29920791	29920791	+	2.452E-28	1.5166E-26	0.347228	hyper	sig	chr2_29920791
chr6	12119319	12119319	+	2.452E-28	1.5166E-26	-0.3151	hypo	sig	chr6_12119319
chr1	1.19E+08	119006225	+	2.453E-28	1.5167E-26	0.361848	hyper	sig	chr1_119006225
chr6	42727646	42727646	+	2.456E-28	1.5188E-26	0.36384	hyper	sig	chr6_42727646
chr2	2.34E+08	233939102	+	2.459E-28	1.5203E-26	0.334783	hyper	sig	chr2_233939102
chr17	20579769	20579769	+	2.461E-28	1.5215E-26	-0.4091	hypo	sig	chr17_20579769
chr2	2.22E+08	222308342	+	2.472E-28	1.528E-26	0.379885	hyper	sig	chr2_222308342
chr6	30163177	30163177	+	2.472E-28	1.5282E-26	-0.26382	hypo	sig	chr6_30163177
chr1	20553133	20553133	+	2.476E-28	1.5302E-26	0.298754	hyper	sig	chr1_20553133
chr6	83524677	83524677	+	2.481E-28	1.5336E-26	-0.25657	hypo	sig	chr6_83524677
chr9	1.34E+08	133565717	+	2.482E-28	1.5339E-26	0.342185	hyper	sig	chr9_133565717
chr1	16766004	16766004	+	2.484E-28	1.5351E-26	0.335337	hyper	sig	chr1_16766004
chr8	1.41E+08	140609359	+	2.489E-28	1.5382E-26	0.27619	hyper	sig	chr8_140609359
chr17	47305395	47305395	+	2.499E-28	1.5442E-26	-0.37746	hypo	sig	chr17_47305395
chr10	7666247	7666247	+	2.506E-28	1.5485E-26	0.299714	hyper	sig	chr10_7666247
chr4	1.51E+08	150581844	+	2.511E-28	1.5509E-26	0.437142	hyper	sig	chr4_150581844
chr7	1.5E+08	150047373	+	2.511E-28	1.5509E-26	0.395288	hyper	sig	chr7_150047373
chr13	1.12E+08	112345434	+	2.511E-28	1.5513E-26	-0.37027	hypo	sig	chr13_112345434
chr8	11709700	11709700	+	2.512E-28	1.5513E-26	0.376972	hyper	sig	chr8_11709700
chr19	12092398	12092398	+	2.516E-28	1.5535E-26	0.276316	hyper	sig	chr19_12092398
chr4	8394322	8394322	+	2.516E-28	1.5537E-26	0.307851	hyper	sig	chr4_8394322
chr5	1.79E+08	178994313	+	2.526E-28	1.5599E-26	0.392174	hyper	sig	chr5_178994313
chr7	4179224	4179224	+	2.529E-28	1.5614E-26	-0.40391	hypo	sig	chr7_4179224
chr3	1.47E+08	147395951	+	2.53E-28	1.5622E-26	0.320668	hyper	sig	chr3_147395951
chr13	1.08E+08	108214695	+	2.536E-28	1.5657E-26	0.317598	hyper	sig	chr13_108214695

chr19	16283815	16283815	+	2.537E-28	1.5657E-26	0.278036	hyper	sig	chr19_16283815
chr19	48491673	48491673	+	2.536E-28	1.5657E-26	0.31392	hyper	sig	chr19_48491673
chr12	75209255	75209255	+	2.547E-28	1.5722E-26	0.341017	hyper	sig	chr12_75209255
chr21	35023366	35023366	+	2.548E-28	1.5726E-26	-0.34533	hypo	sig	chr21_35023366
chr2	1.85E+08	184598158	+	2.549E-28	1.5727E-26	0.273415	hyper	sig	chr2_184598158
chr16	51150241	51150241	+	2.551E-28	1.5744E-26	0.325843	hyper	sig	chr16_51150241
chr20	23879622	23879622	+	2.557E-28	1.578E-26	-0.29316	hypo	sig	chr20_23879622
chr1	1.13E+08	112852255	+	2.561E-28	1.5801E-26	-0.39145	hypo	sig	chr1_112852255
chr2	1.72E+08	172091216	+	2.564E-28	1.5815E-26	0.34317	hyper	sig	chr2_172091216
chr2	1.19E+08	118841883	+	2.564E-28	1.5817E-26	0.304645	hyper	sig	chr2_118841883
chr5	3590461	3590461	+	2.564E-28	1.5817E-26	0.330266	hyper	sig	chr5_3590461
chr5	1.59E+08	159100778	+	2.573E-28	1.5873E-26	0.263493	hyper	sig	chr5_159100778
chr17	79439117	79439117	+	2.575E-28	1.5883E-26	0.324311	hyper	sig	chr17_79439117
chr5	1.59E+08	159096899	+	2.577E-28	1.5892E-26	0.489736	hyper	sig	chr5_159096899
chr16	57802900	57802900	+	2.578E-28	1.5894E-26	0.404072	hyper	sig	chr16_57802900
chr16	86504954	86504954	+	2.578E-28	1.5894E-26	0.294798	hyper	sig	chr16_86504954
chr1	1.47E+08	147078324	+	2.579E-28	1.5901E-26	0.43345	hyper	sig	chr1_147078324
chr13	78597015	78597015	+	2.588E-28	1.5952E-26	0.32457	hyper	sig	chr13_78597015
chr7	1.5E+08	150389057	+	2.59E-28	1.5969E-26	0.37655	hyper	sig	chr7_150389057
chr8	71556339	71556339	+	2.592E-28	1.5978E-26	0.334082	hyper	sig	chr8_71556339
chr9	35676111	35676111	+	2.596E-28	1.6004E-26	0.273833	hyper	sig	chr9_35676111
chr19	53520661	53520661	+	2.599E-28	1.602E-26	0.220396	hyper	sig	chr19_53520661
chr13	42574185	42574185	+	2.602E-28	1.6033E-26	0.315415	hyper	sig	chr13_42574185
chr7	1.04E+08	103989101	+	2.602E-28	1.6037E-26	0.295042	hyper	sig	chr7_103989101
chr5	41510014	41510014	+	2.608E-28	1.6069E-26	0.318046	hyper	sig	chr5_41510014
chr16	166636	166636	+	2.611E-28	1.609E-26	0.225055	hyper	sig	chr16_166636
chr1	1.98E+08	197775777	+	2.628E-28	1.619E-26	-0.25729	hypo	sig	chr1_197775777
chr8	13131728	13131728	+	2.629E-28	1.6195E-26	0.377954	hyper	sig	chr8_13131728
chr17	79183631	79183631	+	2.636E-28	1.6238E-26	0.330852	hyper	sig	chr17_79183631
chr3	50372451	50372451	+	2.638E-28	1.625E-26	-0.35053	hypo	sig	chr3_50372451
chr3	1.47E+08	147421750	+	2.638E-28	1.625E-26	0.322509	hyper	sig	chr3_147421750
chr10	23191064	23191064	+	2.639E-28	1.6254E-26	0.326762	hyper	sig	chr10_23191064
chr6	30127549	30127549	+	2.64E-28	1.6254E-26	0.302228	hyper	sig	chr6_30127549
chr2	1654418	1654418	+	2.644E-28	1.6278E-26	-0.39138	hypo	sig	chr2_1654418
chr1	1.44E+08	143643797	+	2.65E-28	1.6315E-26	0.355135	hyper	sig	chr1_143643797
chr18	50298719	50298719	+	2.655E-28	1.6343E-26	0.306859	hyper	sig	chr18_50298719
chr6	30171800	30171800	+	2.666E-28	1.6412E-26	0.315685	hyper	sig	chr6_30171800
chr5	1552924	1552924	+	2.671E-28	1.6442E-26	0.30933	hyper	sig	chr5_1552924
chr10	1.01E+08	101223689	+	2.671E-28	1.6443E-26	0.310473	hyper	sig	chr10_101223689
chr14	1.01E+08	101022221	+	2.682E-28	1.6507E-26	-0.37217	hypo	sig	chr14_101022221
chr13	1.13E+08	112729548	+	2.688E-28	1.6541E-26	0.257543	hyper	sig	chr13_112729548
chr7	43442375	43442375	+	2.688E-28	1.6541E-26	-0.34148	hypo	sig	chr7_43442375
chr3	69012658	69012658	+	2.689E-28	1.6546E-26	0.29436	hyper	sig	chr3_69012658
chr11	1.11E+08	110712993	+	2.692E-28	1.6563E-26	0.326298	hyper	sig	chr11_110712993
chr5	1.41E+08	141149885	+	2.694E-28	1.6577E-26	0.386432	hyper	sig	chr5_141149885
chr19	17406199	17406199	+	2.715E-28	1.6705E-26	-0.29405	hypo	sig	chr19_17406199
chr8	52941002	52941002	+	2.722E-28	1.6741E-26	0.343093	hyper	sig	chr8_52941002
chr19	56507517	56507517	+	2.726E-28	1.6767E-26	0.326985	hyper	sig	chr19_56507517
chr2	5692949	5692949	+	2.73E-28	1.6789E-26	0.334805	hyper	sig	chr2_5692949
chr1	21938030	21938030	+	2.73E-28	1.679E-26	0.297523	hyper	sig	chr1_21938030
chr1	20552294	20552294	+	2.736E-28	1.6824E-26	0.352545	hyper	sig	chr1_20552294
chr2	86790316	86790316	+	2.742E-28	1.686E-26	0.296328	hyper	sig	chr2_86790316
chr3	1.94E+08	194376442	+	2.744E-28	1.6873E-26	-0.25252	hypo	sig	chr3_194376442
chr2	20231681	20231681	+	2.748E-28	1.6895E-26	-0.30297	hypo	sig	chr2_20231681
chr2	1.13E+08	113275783	+	2.749E-28	1.69E-26	0.333351	hyper	sig	chr2_113275783
chr5	1.35E+08	135039001	+	2.75E-28	1.6901E-26	0.489972	hyper	sig	chr5_135039001

chr8	64578356	64578356	+	2.755E-28	1.6931E-26	0.303061	hyper	sig	chr8_64578356
chr2	2.22E+08	222423916	+	2.76E-28	1.6962E-26	-0.26441	hypo	sig	chr2_222423916
chr2	2.33E+08	233059999	+	2.763E-28	1.6978E-26	-0.34533	hypo	sig	chr2_233059999
chr22	45212885	45212885	+	2.763E-28	1.6978E-26	0.428122	hyper	sig	chr22_45212885
chr5	59893970	59893970	+	2.765E-28	1.699E-26	0.284445	hyper	sig	chr5_59893970
chr12	1.2E+08	119804286	+	2.77E-28	1.7017E-26	0.3617	hyper	sig	chr12_119804286
chr7	1.43E+08	142797301	+	2.777E-28	1.7063E-26	0.261027	hyper	sig	chr7_142797301
chr20	38674831	38674831	+	2.778E-28	1.7064E-26	0.44835	hyper	sig	chr20_38674831
chr5	1.35E+08	135038773	+	2.787E-28	1.7122E-26	0.328904	hyper	sig	chr5_135038773
chr7	79454284	79454284	+	2.788E-28	1.7124E-26	0.358558	hyper	sig	chr7_79454284
chr5	45695781	45695781	+	2.79E-28	1.7135E-26	0.308372	hyper	sig	chr5_45695781
chr16	67165524	67165524	+	2.791E-28	1.7139E-26	0.439882	hyper	sig	chr16_67165524
chr2	25253052	25253052	+	2.798E-28	1.7182E-26	0.354869	hyper	sig	chr2_25253052
chr3	1.5E+08	149657127	+	2.799E-28	1.7188E-26	0.32688	hyper	sig	chr3_149657127
chr14	1.04E+08	103523384	+	2.802E-28	1.7205E-26	0.300978	hyper	sig	chr14_103523384
chr7	5610514	5610514	+	2.807E-28	1.7235E-26	-0.33865	hypo	sig	chr7_5610514
chr22	46085049	46085049	+	2.812E-28	1.726E-26	-0.35268	hypo	sig	chr22_46085049
chr4	8686229	8686229	+	2.812E-28	1.7263E-26	-0.32285	hypo	sig	chr4_8686229
chr22	36324118	36324118	+	2.814E-28	1.7272E-26	0.395803	hyper	sig	chr22_36324118
chr5	1.39E+08	139394214	+	2.815E-28	1.7275E-26	0.292729	hyper	sig	chr5_139394214
chr2	2.4E+08	240411317	+	2.82E-28	1.7306E-26	-0.40783	hypo	sig	chr2_240411317
chr8	48683091	48683091	+	2.821E-28	1.731E-26	-0.32344	hypo	sig	chr8_48683091
chr6	98825692	98825692	+	2.821E-28	1.7312E-26	0.307446	hyper	sig	chr6_98825692
chr16	54934861	54934861	+	2.826E-28	1.7339E-26	0.329941	hyper	sig	chr16_54934861
chr2	63055597	63055597	+	2.83E-28	1.7363E-26	0.332976	hyper	sig	chr2_63055597
chr13	77919386	77919386	+	2.848E-28	1.7472E-26	0.266881	hyper	sig	chr13_77919386
chr1	1.83E+08	183185884	+	2.848E-28	1.7473E-26	-0.3388	hypo	sig	chr1_183185884
chr20	46035814	46035814	+	2.875E-28	1.7632E-26	-0.31826	hypo	sig	chr20_46035814
chr17	80067628	80067628	+	2.878E-28	1.765E-26	-0.29346	hypo	sig	chr17_80067628
chr7	88760083	88760083	+	2.878E-28	1.765E-26	0.359399	hyper	sig	chr7_88760083
chr13	25171758	25171758	+	2.879E-28	1.7654E-26	0.33668	hyper	sig	chr13_25171758
chr10	1.28E+08	127737666	+	2.886E-28	1.7699E-26	0.268349	hyper	sig	chr10_127737666
chr12	58921436	58921436	+	2.888E-28	1.7709E-26	-0.32807	hypo	sig	chr12_58921436
chr11	20669841	20669841	+	2.889E-28	1.7713E-26	0.436488	hyper	sig	chr11_20669841
chr14	59919327	59919327	+	2.892E-28	1.7728E-26	0.207425	hyper	sig	chr14_59919327
chr7	163293	163293	+	2.899E-28	1.7774E-26	0.295493	hyper	sig	chr7_163293
chr4	84482086	84482086	+	2.913E-28	1.7855E-26	0.249902	hyper	sig	chr4_84482086
chr5	1.81E+08	181059765	+	2.918E-28	1.7887E-26	0.263495	hyper	sig	chr5_181059765
chr7	1.53E+08	152925709	+	2.922E-28	1.7905E-26	0.370539	hyper	sig	chr7_152925709
chr7	69599841	69599841	+	2.925E-28	1.7925E-26	0.335035	hyper	sig	chr7_69599841
chr1	1.19E+08	119007224	+	2.926E-28	1.793E-26	0.40406	hyper	sig	chr1_119007224
chr15	88255433	88255433	+	2.929E-28	1.7945E-26	0.276565	hyper	sig	chr15_88255433
chr7	1733596	1733596	+	2.937E-28	1.7993E-26	-0.35631	hypo	sig	chr7_1733596
chr7	4810459	4810459	+	2.942E-28	1.8025E-26	-0.45871	hypo	sig	chr7_4810459
chr17	79712082	79712082	+	2.945E-28	1.8042E-26	-0.37019	hypo	sig	chr17_79712082
chr10	1.22E+08	121596598	+	2.947E-28	1.8048E-26	0.410748	hyper	sig	chr10_121596598
chr21	26967061	26967061	+	2.948E-28	1.8053E-26	0.326391	hyper	sig	chr21_26967061
chr7	1.5E+08	150389049	+	2.963E-28	1.8145E-26	0.389417	hyper	sig	chr7_150389049
chr12	1.14E+08	114444116	+	2.973E-28	1.8207E-26	0.419102	hyper	sig	chr12_114444116
chr12	1.33E+08	132904798	+	2.981E-28	1.8253E-26	0.315825	hyper	sig	chr12_132904798
chr10	10161060	10161060	+	2.983E-28	1.8265E-26	-0.26084	hypo	sig	chr10_10161060
chr11	44316628	44316628	+	2.987E-28	1.8285E-26	0.266951	hyper	sig	chr11_44316628
chr12	6057816	6057816	+	2.99E-28	1.8301E-26	0.339339	hyper	sig	chr12_6057816
chr15	80999883	80999883	+	2.992E-28	1.8315E-26	-0.33807	hypo	sig	chr15_80999883
chr1	1.14E+08	114154417	+	3E-28	1.8365E-26	0.262514	hyper	sig	chr1_114154417
chr16	66604370	66604370	+	3.003E-28	1.8378E-26	0.2823	hyper	sig	chr16_66604370

chr8	21041697	21041697	+	3.006E-28	1.8394E-26	-0.33964	hypo	sig	chr8_21041697
chr6	37653081	37653081	+	3.006E-28	1.8397E-26	-0.37084	hypo	sig	chr6_37653081
chr17	48550865	48550865	+	3.012E-28	1.8428E-26	0.382845	hyper	sig	chr17_48550865
chr19	19861090	19861090	+	3.014E-28	1.8441E-26	0.286232	hyper	sig	chr19_19861090
chr3	1.98E+08	198081773	+	3.024E-28	1.8499E-26	0.351897	hyper	sig	chr3_198081773
chr6	1.66E+08	165988631	+	3.025E-28	1.8503E-26	0.342249	hyper	sig	chr6_165988631
chr1	2.24E+08	223749482	+	3.038E-28	1.8582E-26	0.250744	hyper	sig	chr1_223749482
chr1	27664456	27664456	+	3.04E-28	1.8596E-26	-0.32509	hypo	sig	chr1_27664456
chr1	2.08E+08	207645598	+	3.041E-28	1.8597E-26	0.35219	hyper	sig	chr1_207645598
chr2	1.19E+08	118833556	+	3.049E-28	1.8648E-26	0.277628	hyper	sig	chr2_118833556
chr11	507942	507942	+	3.057E-28	1.8694E-26	0.376386	hyper	sig	chr11_507942
chr11	15074025	15074025	+	3.058E-28	1.8696E-26	0.257165	hyper	sig	chr11_15074025
chr7	66505133	66505133	+	3.058E-28	1.8696E-26	-0.36856	hypo	sig	chr7_66505133
chr5	1.79E+08	179023727	+	3.059E-28	1.8702E-26	0.234445	hyper	sig	chr5_179023727
chr1	54548308	54548308	+	3.063E-28	1.8725E-26	0.403051	hyper	sig	chr1_54548308
chr2	2.39E+08	239199626	+	3.071E-28	1.8773E-26	0.306929	hyper	sig	chr2_239199626
chr12	1.14E+08	114408542	+	3.076E-28	1.8802E-26	0.312887	hyper	sig	chr12_114408542
chr19	43624257	43624257	+	3.08E-28	1.8822E-26	-0.36084	hypo	sig	chr19_43624257
chr10	43865461	43865461	+	3.082E-28	1.8836E-26	0.344593	hyper	sig	chr10_43865461
chr11	268916	268916	+	3.085E-28	1.8855E-26	-0.22602	hypo	sig	chr11_268916
chr19	48297207	48297207	+	3.094E-28	1.8908E-26	-0.37555	hypo	sig	chr19_48297207
chr17	2795979	2795979	+	3.105E-28	1.8972E-26	-0.32934	hypo	sig	chr17_2795979
chr6	62286759	62286759	+	3.105E-28	1.8973E-26	0.283408	hyper	sig	chr6_62286759
chr17	80919650	80919650	+	3.107E-28	1.8984E-26	0.280806	hyper	sig	chr17_80919650
chr20	58149943	58149943	+	3.112E-28	1.9009E-26	-0.39909	hypo	sig	chr20_58149943
chr3	11591521	11591521	+	3.116E-28	1.9031E-26	0.309083	hyper	sig	chr3_11591521
chr4	1.47E+08	146640569	+	3.118E-28	1.9045E-26	0.345163	hyper	sig	chr4_146640569
chr20	61544495	61544495	+	3.119E-28	1.905E-26	-0.35985	hypo	sig	chr20_61544495
chr3	1.27E+08	126541808	+	3.136E-28	1.9149E-26	0.361415	hyper	sig	chr3_126541808
chr1	1.8E+08	179743165	+	3.139E-28	1.9169E-26	0.216737	hyper	sig	chr1_179743165
chr1	37476278	37476278	+	3.141E-28	1.9181E-26	-0.34684	hypo	sig	chr1_37476278
chr13	1.13E+08	113109441	+	3.143E-28	1.9188E-26	0.389926	hyper	sig	chr13_113109441
chr11	1.3E+08	129743652	+	3.143E-28	1.919E-26	-0.36517	hypo	sig	chr11_129743652
chr7	1.56E+08	155787136	+	3.147E-28	1.9213E-26	0.286176	hyper	sig	chr7_155787136
chr2	1.29E+08	128682280	+	3.157E-28	1.9274E-26	-0.28508	hypo	sig	chr2_128682280
chr4	1.85E+08	185021001	+	3.158E-28	1.9278E-26	0.314397	hyper	sig	chr4_185021001
chr3	1.47E+08	147369915	+	3.159E-28	1.9282E-26	0.342434	hyper	sig	chr3_147369915
chr20	4824064	4824064	+	3.161E-28	1.9289E-26	0.327502	hyper	sig	chr20_4824064
chr7	1.59E+08	158586443	+	3.168E-28	1.9334E-26	0.395366	hyper	sig	chr7_158586443
chr8	60876518	60876518	+	3.168E-28	1.9334E-26	-0.38832	hypo	sig	chr8_60876518
chr17	45261772	45261772	+	3.171E-28	1.9347E-26	0.361371	hyper	sig	chr17_45261772
chr3	13638091	13638091	+	3.171E-28	1.9349E-26	-0.30375	hypo	sig	chr3_13638091
chr16	85845339	85845339	+	3.175E-28	1.9372E-26	0.375582	hyper	sig	chr16_85845339
chr3	27724768	27724768	+	3.183E-28	1.9415E-26	0.240703	hyper	sig	chr3_27724768
chr1	2.21E+08	220894908	+	3.189E-28	1.9455E-26	0.428117	hyper	sig	chr1_220894908
chr16	89103336	89103336	+	3.19E-28	1.9456E-26	-0.34802	hypo	sig	chr16_89103336
chr2	3606920	3606920	+	3.193E-28	1.9471E-26	0.344475	hyper	sig	chr2_3606920
chr13	1.14E+08	114031907	+	3.194E-28	1.948E-26	0.267946	hyper	sig	chr13_114031907
chr8	1.08E+08	108081804	+	3.203E-28	1.9529E-26	0.347719	hyper	sig	chr8_108081804
chr2	2.34E+08	233939212	+	3.207E-28	1.9554E-26	0.344537	hyper	sig	chr2_233939212
chr5	1.16E+08	115962035	+	3.217E-28	1.9613E-26	0.317411	hyper	sig	chr5_115962035
chr20	21517612	21517612	+	3.234E-28	1.9714E-26	0.308479	hyper	sig	chr20_21517612
chr19	883887	883887	+	3.237E-28	1.9731E-26	-0.38325	hypo	sig	chr19_883887
chr7	1.54E+08	153749680	+	3.24E-28	1.975E-26	0.297065	hyper	sig	chr7_153749680
chr19	49961456	49961456	+	3.245E-28	1.9778E-26	-0.29927	hypo	sig	chr19_49961456
chr19	21463579	21463579	+	3.25E-28	1.9809E-26	0.314022	hyper	sig	chr19_21463579

chr19	34482290	34482290	+	3.257E-28	1.9848E-26	0.25723	hyper	sig	chr19_34482290
chr6	50850503	50850503	+	3.261E-28	1.987E-26	0.302797	hyper	sig	chr6_50850503
chr4	1.74E+08	173530100	+	3.264E-28	1.9887E-26	0.229314	hyper	sig	chr4_173530100
chr1	2.43E+08	242524173	+	3.275E-28	1.9956E-26	0.232328	hyper	sig	chr1_242524173
chr1	1.62E+08	161525194	+	3.281E-28	1.9988E-26	0.250801	hyper	sig	chr1_161525194
chr3	23668812	23668812	+	3.288E-28	2.0026E-26	-0.2792	hypo	sig	chr3_23668812
chr16	67944568	67944568	+	3.294E-28	2.0061E-26	0.433416	hyper	sig	chr16_67944568
chr20	46011674	46011674	+	3.294E-28	2.0061E-26	0.435826	hyper	sig	chr20_46011674
chr7	1.4E+08	140435746	+	3.299E-28	2.0089E-26	0.328627	hyper	sig	chr7_140435746
chr1	98046381	98046381	+	3.301E-28	2.0102E-26	0.345039	hyper	sig	chr1_98046381
chr14	1.02E+08	101928058	+	3.307E-28	2.0138E-26	0.270845	hyper	sig	chr14_101928058
chr8	48526052	48526052	+	3.308E-28	2.014E-26	-0.41683	hypo	sig	chr8_48526052
chr19	4376405	4376405	+	3.309E-28	2.0149E-26	-0.37306	hypo	sig	chr19_4376405
chr1	1.44E+08	143667606	+	3.312E-28	2.016E-26	0.382989	hyper	sig	chr1_143667606
chr15	93041758	93041758	+	3.316E-28	2.0183E-26	-0.32169	hypo	sig	chr15_93041758
chr19	12648269	12648269	+	3.32E-28	2.021E-26	0.322655	hyper	sig	chr19_12648269
chr10	1.33E+08	133045344	+	3.322E-28	2.022E-26	-0.3317	hypo	sig	chr10_133045344
chr2	8526103	8526103	+	3.323E-28	2.0222E-26	-0.29079	hypo	sig	chr2_8526103
chr6	1.68E+08	168180948	+	3.325E-28	2.0231E-26	-0.31144	hypo	sig	chr6_168180948
chr1	1.83E+08	183186517	+	3.329E-28	2.0256E-26	-0.35593	hypo	sig	chr1_183186517
chr13	25171628	25171628	+	3.331E-28	2.0266E-26	0.323704	hyper	sig	chr13_25171628
chr22	20956439	20956439	+	3.331E-28	2.0266E-26	-0.31615	hypo	sig	chr22_20956439
chr1	1.19E+08	118979567	+	3.334E-28	2.0283E-26	0.315999	hyper	sig	chr1_118979567
chr5	38557345	38557345	+	3.336E-28	2.0295E-26	0.278316	hyper	sig	chr5_38557345
chr16	85329568	85329568	+	3.34E-28	2.0316E-26	-0.32472	hypo	sig	chr16_85329568
chr12	4911527	4911527	+	3.347E-28	2.0355E-26	0.392775	hyper	sig	chr12_4911527
chr4	1.57E+08	157222658	+	3.349E-28	2.0369E-26	0.351299	hyper	sig	chr4_157222658
chr6	28635117	28635117	+	3.35E-28	2.0376E-26	0.243662	hyper	sig	chr6_28635117
chr5	1.78E+08	178165848	+	3.359E-28	2.0424E-26	0.349042	hyper	sig	chr5_178165848
chr12	1.03E+08	102961334	+	3.365E-28	2.0464E-26	0.310936	hyper	sig	chr12_102961334
chr20	32052453	32052453	+	3.37E-28	2.049E-26	0.240467	hyper	sig	chr20_32052453
chr6	40595981	40595981	+	3.371E-28	2.0492E-26	-0.43621	hypo	sig	chr6_40595981
chr7	1.51E+08	150514732	+	3.373E-28	2.0504E-26	-0.23242	hypo	sig	chr7_150514732
chr17	77233702	77233702	+	3.373E-28	2.0505E-26	-0.36992	hypo	sig	chr17_77233702
chr5	1.35E+08	135039011	+	3.375E-28	2.0511E-26	0.421092	hyper	sig	chr5_135039011
chr17	50834927	50834927	+	3.376E-28	2.0517E-26	0.31174	hyper	sig	chr17_50834927
chr20	41367009	41367009	+	3.376E-28	2.0519E-26	0.35496	hyper	sig	chr20_41367009
chr12	1.29E+08	128854246	+	3.38E-28	2.0539E-26	0.301019	hyper	sig	chr12_128854246
chr7	1.56E+08	155509031	+	3.38E-28	2.0541E-26	0.304955	hyper	sig	chr7_155509031
chr13	27792681	27792681	+	3.381E-28	2.0545E-26	0.401099	hyper	sig	chr13_27792681
chr6	1.57E+08	157024132	+	3.384E-28	2.0557E-26	0.304603	hyper	sig	chr6_157024132
chr1	1.19E+08	118984539	+	3.388E-28	2.0584E-26	0.287045	hyper	sig	chr1_118984539
chr3	27729562	27729562	+	3.395E-28	2.0622E-26	0.272555	hyper	sig	chr3_27729562
chr10	79261105	79261105	+	3.411E-28	2.0721E-26	0.381439	hyper	sig	chr10_79261105
chr16	70680493	70680493	+	3.413E-28	2.0727E-26	0.448514	hyper	sig	chr16_70680493
chr1	40754451	40754451	+	3.414E-28	2.0734E-26	0.271174	hyper	sig	chr1_40754451
chr22	49392475	49392475	+	3.419E-28	2.0765E-26	-0.33715	hypo	sig	chr22_49392475
chr15	55588883	55588883	+	3.424E-28	2.0793E-26	0.24956	hyper	sig	chr15_55588883
chr8	1.45E+08	144699952	+	3.426E-28	2.0801E-26	0.319642	hyper	sig	chr8_144699952
chr2	1.55E+08	154698828	+	3.426E-28	2.0803E-26	0.229441	hyper	sig	chr2_154698828
chr19	727128	727128	+	3.435E-28	2.0851E-26	-0.49013	hypo	sig	chr19_727128
chr4	4862566	4862566	+	3.435E-28	2.0851E-26	0.329811	hyper	sig	chr4_4862566
chr13	78607810	78607810	+	3.437E-28	2.086E-26	0.4434	hyper	sig	chr13_78607810
chr6	33080781	33080781	+	3.437E-28	2.0862E-26	0.392776	hyper	sig	chr6_33080781
chr8	54466672	54466672	+	3.448E-28	2.0926E-26	0.295631	hyper	sig	chr8_54466672
chr13	27918942	27918942	+	3.454E-28	2.0964E-26	0.361671	hyper	sig	chr13_27918942

chr8	1.42E+08	142450781	+	3.459E-28	2.099E-26	0.43705	hyper	sig	chr8_142450781
chr13	1.08E+08	107868710	+	3.468E-28	2.1041E-26	0.312948	hyper	sig	chr13_107868710
chr2	8709858	8709858	+	3.47E-28	2.1053E-26	-0.33626	hypo	sig	chr2_8709858
chr1	1.21E+08	121006956	+	3.472E-28	2.1066E-26	0.29861	hyper	sig	chr1_121006956
chr2	38515680	38515680	+	3.479E-28	2.1104E-26	0.314015	hyper	sig	chr2_38515680
chr20	59043419	59043419	+	3.482E-28	2.1123E-26	-0.39239	hypo	sig	chr20_59043419
chr1	2.28E+08	228371286	+	3.483E-28	2.1126E-26	-0.39958	hypo	sig	chr1_228371286
chr11	32426479	32426479	+	3.483E-28	2.1126E-26	0.382985	hyper	sig	chr11_32426479
chr11	2534354	2534354	+	3.487E-28	2.1146E-26	-0.28458	hypo	sig	chr11_2534354
chr16	991219	991219	+	3.497E-28	2.1206E-26	-0.33709	hypo	sig	chr16_991219
chr5	33936102	33936102	+	3.501E-28	2.123E-26	0.28601	hyper	sig	chr5_33936102
chr17	35487841	35487841	+	3.506E-28	2.1255E-26	0.238172	hyper	sig	chr17_35487841
chr2	95000632	95000632	+	3.508E-28	2.1266E-26	-0.37162	hypo	sig	chr2_95000632
chr16	15144671	15144671	+	3.509E-28	2.1272E-26	0.41247	hyper	sig	chr16_15144671
chr15	22262692	22262692	+	3.529E-28	2.1393E-26	-0.40812	hypo	sig	chr15_22262692
chr12	78864629	78864629	+	3.531E-28	2.1403E-26	0.25762	hyper	sig	chr12_78864629
chr2	2.02E+08	202171439	+	3.531E-28	2.1403E-26	0.275186	hyper	sig	chr2_202171439
chr2	1.6E+08	159905201	+	3.535E-28	2.1423E-26	-0.37354	hypo	sig	chr2_159905201
chr19	3383676	3383676	+	3.539E-28	2.1446E-26	0.358354	hyper	sig	chr19_3383676
chr19	21475223	21475223	+	3.542E-28	2.1463E-26	0.315855	hyper	sig	chr19_21475223
chr8	70070737	70070737	+	3.544E-28	2.1476E-26	0.320625	hyper	sig	chr8_70070737
chr8	98974016	98974016	+	3.55E-28	2.1511E-26	0.434145	hyper	sig	chr8_98974016
chr6	30127500	30127500	+	3.552E-28	2.1517E-26	0.328097	hyper	sig	chr6_30127500
chr5	2008173	2008173	+	3.556E-28	2.1542E-26	0.358413	hyper	sig	chr5_2008173
chr16	2082244	2082244	+	3.566E-28	2.1599E-26	0.380695	hyper	sig	chr16_2082244
chr5	55230708	55230708	+	3.569E-28	2.1616E-26	0.323981	hyper	sig	chr5_55230708
chr1	2.21E+08	220895645	+	3.591E-28	2.175E-26	0.412299	hyper	sig	chr1_220895645
chr16	1211666	1211666	+	3.592E-28	2.1752E-26	-0.33893	hypo	sig	chr16_1211666
chr15	52789051	52789051	+	3.592E-28	2.1754E-26	0.356975	hyper	sig	chr15_52789051
chr6	10882791	10882791	+	3.594E-28	2.1761E-26	0.260985	hyper	sig	chr6_10882791
chr12	52010618	52010618	+	3.595E-28	2.1766E-26	0.356178	hyper	sig	chr12_52010618
chr9	1.37E+08	136850165	+	3.599E-28	2.1791E-26	0.342903	hyper	sig	chr9_136850165
chr8	49909753	49909753	+	3.603E-28	2.1809E-26	0.31585	hyper	sig	chr8_49909753
chr6	36841097	36841097	+	3.605E-28	2.1823E-26	0.307802	hyper	sig	chr6_36841097
chr18	904919	904919	+	3.607E-28	2.183E-26	0.312664	hyper	sig	chr18_904919
chr7	1.55E+08	155466233	+	3.608E-28	2.1837E-26	0.269079	hyper	sig	chr7_155466233
chr11	8671274	8671274	+	3.609E-28	2.1842E-26	0.308271	hyper	sig	chr11_8671274
chr10	1.01E+08	101134316	+	3.622E-28	2.1921E-26	0.334144	hyper	sig	chr10_101134316
chr11	44311581	44311581	+	3.624E-28	2.1931E-26	0.307289	hyper	sig	chr11_44311581
chr11	71206412	71206412	+	3.638E-28	2.2013E-26	0.298594	hyper	sig	chr11_71206412
chr5	1.32E+08	132257452	+	3.639E-28	2.2014E-26	0.242455	hyper	sig	chr5_132257452
chr15	68559113	68559113	+	3.651E-28	2.2088E-26	-0.26767	hypo	sig	chr15_68559113
chr14	69259557	69259557	+	3.667E-28	2.2182E-26	0.268697	hyper	sig	chr14_69259557
chr10	22345816	22345816	+	3.67E-28	2.2197E-26	0.460165	hyper	sig	chr10_22345816
chr9	14993508	14993508	+	3.675E-28	2.2227E-26	0.322691	hyper	sig	chr9_14993508
chr17	9022976	9022976	+	3.676E-28	2.2229E-26	0.280808	hyper	sig	chr17_9022976
chr19	54365057	54365057	+	3.677E-28	2.2236E-26	-0.25871	hypo	sig	chr19_54365057
chr17	38841267	38841267	+	3.681E-28	2.2257E-26	0.33575	hyper	sig	chr17_38841267
chr2	66433058	66433058	+	3.682E-28	2.2261E-26	0.248155	hyper	sig	chr2_66433058
chr13	36297847	36297847	+	3.687E-28	2.2292E-26	0.341857	hyper	sig	chr13_36297847
chr6	1.5E+08	150037996	+	3.69E-28	2.2307E-26	0.30975	hyper	sig	chr6_150037996
chr13	1.12E+08	112074022	+	3.706E-28	2.2403E-26	0.330125	hyper	sig	chr13_112074022
chr1	98048726	98048726	+	3.716E-28	2.2458E-26	0.300615	hyper	sig	chr1_98048726
chr11	1481933	1481933	+	3.72E-28	2.248E-26	0.392276	hyper	sig	chr11_1481933
chr10	99329071	99329071	+	3.72E-28	2.2482E-26	0.288691	hyper	sig	chr10_99329071
chr16	86906731	86906731	+	3.731E-28	2.2546E-26	0.410168	hyper	sig	chr16_86906731

chr17	76948869	76948869	+	3.741E-28	2.2605E-26	-0.366	hypo	sig	chr17_76948869
chr14	96285881	96285881	+	3.764E-28	2.2744E-26	0.265622	hyper	sig	chr14_96285881
chr8	66963138	66963138	+	3.766E-28	2.2753E-26	0.339364	hyper	sig	chr8_66963138
chr11	1.04E+08	104037723	+	3.771E-28	2.2781E-26	-0.31529	hypo	sig	chr11_104037723
chr2	63055519	63055519	+	3.776E-28	2.2807E-26	0.43141	hyper	sig	chr2_63055519
chr5	1.56E+08	155729584	+	3.777E-28	2.2812E-26	0.334514	hyper	sig	chr5_155729584
chr3	44585070	44585070	+	3.781E-28	2.2833E-26	0.267342	hyper	sig	chr3_44585070
chr19	48297194	48297194	+	3.784E-28	2.2852E-26	-0.35687	hypo	sig	chr19_48297194
chr2	1.05E+08	104856683	+	3.787E-28	2.2866E-26	0.287656	hyper	sig	chr2_104856683
chr1	2.37E+08	237043176	+	3.792E-28	2.2898E-26	0.394111	hyper	sig	chr1_237043176
chr11	1.12E+08	111976968	+	3.804E-28	2.2968E-26	0.405238	hyper	sig	chr11_111976968
chr20	61026917	61026917	+	3.814E-28	2.3027E-26	-0.3412	hypo	sig	chr20_61026917
chr16	67964127	67964127	+	3.825E-28	2.3094E-26	0.362651	hyper	sig	chr16_67964127
chr11	67983768	67983768	+	3.828E-28	2.3108E-26	-0.33853	hypo	sig	chr11_67983768
chr3	1.25E+08	125357075	+	3.834E-28	2.3141E-26	0.424173	hyper	sig	chr3_125357075
chr1	1.11E+08	110675460	+	3.836E-28	2.3155E-26	0.359219	hyper	sig	chr1_110675460
chr5	1.73E+08	173234126	+	3.839E-28	2.317E-26	0.391776	hyper	sig	chr5_173234126
chr1	1.53E+08	152580018	+	3.841E-28	2.3182E-26	-0.33808	hypo	sig	chr1_152580018
chr8	85438051	85438051	+	3.846E-28	2.321E-26	0.300878	hyper	sig	chr8_85438051
chr3	43997872	43997872	+	3.848E-28	2.3219E-26	0.211193	hyper	sig	chr3_43997872
chr2	1.72E+08	172091241	+	3.862E-28	2.3299E-26	0.317363	hyper	sig	chr2_172091241
chr1	1.47E+08	147078392	+	3.863E-28	2.3303E-26	0.358717	hyper	sig	chr1_147078392
chr3	1.7E+08	169822441	+	3.867E-28	2.3328E-26	-0.45165	hypo	sig	chr3_169822441
chr12	1.33E+08	132837865	+	3.879E-28	2.3401E-26	0.345147	hyper	sig	chr12_132837865
chr2	1.27E+08	126656818	+	3.893E-28	2.3482E-26	0.297816	hyper	sig	chr2_126656818
chr7	56079618	56079618	+	3.904E-28	2.3547E-26	0.407431	hyper	sig	chr7_56079618
chr1	2.28E+08	228371307	+	3.905E-28	2.3553E-26	-0.37676	hypo	sig	chr1_228371307
chr19	21474901	21474901	+	3.907E-28	2.356E-26	0.275929	hyper	sig	chr19_21474901
chr16	66579198	66579198	+	3.911E-28	2.3582E-26	0.279964	hyper	sig	chr16_66579198
chr2	86036101	86036101	+	3.916E-28	2.3612E-26	0.361523	hyper	sig	chr2_86036101
chr13	36430716	36430716	+	3.917E-28	2.3615E-26	0.338193	hyper	sig	chr13_36430716
chr13	1.11E+08	110506439	+	3.919E-28	2.3626E-26	-0.47146	hypo	sig	chr13_110506439
chr6	27680651	27680651	+	3.919E-28	2.3626E-26	0.295002	hyper	sig	chr6_27680651
chr3	1.88E+08	187670294	+	3.921E-28	2.3632E-26	0.3288	hyper	sig	chr3_187670294
chr15	1.01E+08	100880440	+	3.924E-28	2.3652E-26	0.38554	hyper	sig	chr15_100880440
chr3	1.35E+08	134651340	+	3.925E-28	2.3656E-26	0.263286	hyper	sig	chr3_134651340
chr20	21706760	21706760	+	3.926E-28	2.3659E-26	0.327157	hyper	sig	chr20_21706760
chr2	2.42E+08	241852829	+	3.928E-28	2.367E-26	-0.29003	hypo	sig	chr2_241852829
chr12	43552071	43552071	+	3.929E-28	2.3677E-26	0.40099	hyper	sig	chr12_43552071
chr10	1.3E+08	129965414	+	3.943E-28	2.3755E-26	0.347828	hyper	sig	chr10_129965414
chr6	45664104	45664104	+	3.943E-28	2.3757E-26	0.366241	hyper	sig	chr6_45664104
chr11	32427895	32427895	+	3.945E-28	2.3763E-26	0.425442	hyper	sig	chr11_32427895
chr16	89949628	89949628	+	3.948E-28	2.3782E-26	0.341816	hyper	sig	chr16_89949628
chr16	46731519	46731519	+	3.951E-28	2.3796E-26	-0.32567	hypo	sig	chr16_46731519
chr4	785652	785652	+	3.96E-28	2.3851E-26	0.410513	hyper	sig	chr4_785652
chr5	41509810	41509810	+	3.962E-28	2.3861E-26	0.324821	hyper	sig	chr5_41509810
chr8	30442741	30442741	+	3.962E-28	2.3861E-26	0.331414	hyper	sig	chr8_30442741
chr4	41748380	41748380	+	3.965E-28	2.3872E-26	0.295088	hyper	sig	chr4_41748380
chr10	91630493	91630493	+	3.971E-28	2.3909E-26	-0.34479	hypo	sig	chr10_91630493
chr14	36655803	36655803	+	3.987E-28	2.4006E-26	0.371803	hyper	sig	chr14_36655803
chr3	1.25E+08	125357636	+	3.99E-28	2.4022E-26	0.308503	hyper	sig	chr3_125357636
chr8	1E+08	100106320	+	3.999E-28	2.4073E-26	0.411294	hyper	sig	chr8_100106320
chr2	70790439	70790439	+	4.002E-28	2.4085E-26	0.316718	hyper	sig	chr2_70790439
chr13	27918914	27918914	+	4.003E-28	2.4092E-26	0.334623	hyper	sig	chr13_27918914
chr2	2.36E+08	235509030	+	4.005E-28	2.4101E-26	-0.30213	hypo	sig	chr2_235509030
chr7	1.49E+08	149415242	+	4.022E-28	2.4204E-26	0.325059	hyper	sig	chr7_149415242

chr10	1.32E+08	132096445	+	4.024E-28	2.421E-26	-0.24761	hypo	sig	chr10_132096445
chr7	24979040	24979040	+	4.024E-28	2.421E-26	-0.37668	hypo	sig	chr7_24979040
chr19	3178782	3178782	+	4.033E-28	2.4263E-26	-0.38751	hypo	sig	chr19_3178782
chr5	1.23E+08	123085813	+	4.038E-28	2.4291E-26	-0.36789	hypo	sig	chr5_123085813
chr16	86580009	86580009	+	4.041E-28	2.4303E-26	0.363457	hyper	sig	chr16_86580009
chr17	64969394	64969394	+	4.041E-28	2.4303E-26	-0.32415	hypo	sig	chr17_64969394
chr2	1.55E+08	154698835	+	4.045E-28	2.4325E-26	0.222027	hyper	sig	chr2_154698835
chr6	1.37E+08	137498043	+	4.048E-28	2.4343E-26	0.256727	hyper	sig	chr6_137498043
chr4	1.53E+08	152935360	+	4.063E-28	2.4431E-26	-0.32918	hypo	sig	chr4_152935360
chr10	1.01E+08	101223778	+	4.069E-28	2.4469E-26	0.37763	hyper	sig	chr10_101223778
chr2	1.82E+08	181684687	+	4.071E-28	2.4474E-26	0.296941	hyper	sig	chr2_181684687
chr1	12143562	12143562	+	4.093E-28	2.4608E-26	-0.33989	hypo	sig	chr1_12143562
chr2	1E+08	100322588	+	4.093E-28	2.4608E-26	0.341687	hyper	sig	chr2_100322588
chr7	1.22E+08	122300325	+	4.103E-28	2.4663E-26	0.39256	hyper	sig	chr7_122300325
chr13	50843793	50843793	+	4.104E-28	2.4667E-26	0.36788	hyper	sig	chr13_50843793
chr3	1.29E+08	128506981	+	4.105E-28	2.467E-26	-0.29883	hypo	sig	chr3_128506981
chr6	30555414	30555414	+	4.105E-28	2.467E-26	0.309196	hyper	sig	chr6_30555414
chr1	35560811	35560811	+	4.107E-28	2.468E-26	0.352502	hyper	sig	chr1_35560811
chr10	86263305	86263305	+	4.124E-28	2.4779E-26	0.404137	hyper	sig	chr10_86263305
chr1	3651086	3651086	+	4.126E-28	2.479E-26	0.342157	hyper	sig	chr1_3651086
chr16	75576669	75576669	+	4.128E-28	2.48E-26	0.209981	hyper	sig	chr16_75576669
chr3	44022101	44022101	+	4.143E-28	2.489E-26	0.256715	hyper	sig	chr3_44022101
chr4	1.86E+08	185537893	+	4.15E-28	2.4929E-26	-0.29705	hypo	sig	chr4_185537893
chr16	29285508	29285508	+	4.155E-28	2.4957E-26	-0.34338	hypo	sig	chr16_29285508
chr6	1E+08	100448934	+	4.156E-28	2.496E-26	0.287403	hyper	sig	chr6_100448934
chr1	2.37E+08	237041827	+	4.161E-28	2.4992E-26	0.30476	hyper	sig	chr1_237041827
chr14	23388298	23388298	+	4.167E-28	2.5026E-26	-0.36116	hypo	sig	chr14_23388298
chr17	81865544	81865544	+	4.171E-28	2.5045E-26	-0.3358	hypo	sig	chr17_81865544
chr3	10993253	10993253	+	4.174E-28	2.5063E-26	0.337536	hyper	sig	chr3_10993253
chr8	64798699	64798699	+	4.187E-28	2.5136E-26	0.283143	hyper	sig	chr8_64798699
chr5	59893967	59893967	+	4.19E-28	2.5155E-26	0.296086	hyper	sig	chr5_59893967
chr7	118910	118910	+	4.201E-28	2.5221E-26	-0.31872	hypo	sig	chr7_118910
chr10	86263460	86263460	+	4.208E-28	2.526E-26	0.288721	hyper	sig	chr10_86263460
chr8	1.42E+08	142430206	+	4.217E-28	2.5311E-26	-0.4001	hypo	sig	chr8_142430206
chr10	8047673	8047673	+	4.229E-28	2.5382E-26	0.295574	hyper	sig	chr10_8047673
chr14	37602093	37602093	+	4.233E-28	2.5404E-26	0.305757	hyper	sig	chr14_37602093
chr1	1.19E+08	119006640	+	4.238E-28	2.543E-26	0.299018	hyper	sig	chr1_119006640
chr1	6276703	6276703	+	4.252E-28	2.551E-26	0.365512	hyper	sig	chr1_6276703
chr2	1.11E+08	111366582	+	4.257E-28	2.5539E-26	0.402622	hyper	sig	chr2_111366582
chr1	18632835	18632835	+	4.257E-28	2.5541E-26	0.33186	hyper	sig	chr1_18632835
chr11	1.25E+08	124739421	+	4.266E-28	2.5587E-26	0.331416	hyper	sig	chr11_124739421
chr1	2.43E+08	242525232	+	4.268E-28	2.5601E-26	0.348352	hyper	sig	chr1_242525232
chr2	1.37E+08	136766092	+	4.274E-28	2.5633E-26	0.341081	hyper	sig	chr2_136766092
chr13	52848655	52848655	+	4.275E-28	2.5637E-26	0.267452	hyper	sig	chr13_52848655
chr17	77377142	77377142	+	4.276E-28	2.564E-26	0.332256	hyper	sig	chr17_77377142
chr7	1.56E+08	155824704	+	4.285E-28	2.5694E-26	-0.2846	hypo	sig	chr7_155824704
chr19	57614533	57614533	+	4.288E-28	2.571E-26	0.280061	hyper	sig	chr19_57614533
chr1	1.57E+08	156727123	+	4.289E-28	2.5715E-26	-0.30438	hypo	sig	chr1_156727123
chr10	1.23E+08	123134598	+	4.301E-28	2.5788E-26	0.240193	hyper	sig	chr10_123134598
chr4	1.85E+08	185019014	+	4.304E-28	2.58E-26	0.284749	hyper	sig	chr4_185019014
chr7	5495791	5495791	+	4.307E-28	2.5817E-26	0.34153	hyper	sig	chr7_5495791
chr8	30442723	30442723	+	4.316E-28	2.5869E-26	0.324815	hyper	sig	chr8_30442723
chr8	42052895	42052895	+	4.321E-28	2.5897E-26	-0.40362	hypo	sig	chr8_42052895
chr1	1.13E+08	112850758	+	4.326E-28	2.5923E-26	-0.3101	hypo	sig	chr1_112850758
chr8	23573513	23573513	+	4.326E-28	2.5923E-26	0.348137	hyper	sig	chr8_23573513
chr14	36663577	36663577	+	4.33E-28	2.5946E-26	0.309351	hyper	sig	chr14_36663577

chr1	39671508	39671508	+	4.336E-28	2.5978E-26	0.3354	hyper	sig	chr1_39671508
chr1	2.01E+08	201378376	+	4.344E-28	2.6025E-26	-0.25017	hypo	sig	chr1_201378376
chr2	63055739	63055739	+	4.352E-28	2.6074E-26	0.326967	hyper	sig	chr2_63055739
chr6	30685924	30685924	+	4.363E-28	2.6135E-26	0.301749	hyper	sig	chr6_30685924
chr19	52453575	52453575	+	4.364E-28	2.6139E-26	0.287084	hyper	sig	chr19_52453575
chr20	23879616	23879616	+	4.366E-28	2.6147E-26	-0.2851	hypo	sig	chr20_23879616
chr1	12167796	12167796	+	4.366E-28	2.615E-26	-0.28706	hypo	sig	chr1_12167796
chr8	23343975	23343975	+	4.372E-28	2.6181E-26	0.361609	hyper	sig	chr8_23343975
chr19	52453406	52453406	+	4.373E-28	2.6187E-26	0.394193	hyper	sig	chr19_52453406
chr12	63151109	63151109	+	4.378E-28	2.6214E-26	0.385595	hyper	sig	chr12_63151109
chr5	33936157	33936157	+	4.381E-28	2.6228E-26	0.24127	hyper	sig	chr5_33936157
chr19	37692190	37692190	+	4.384E-28	2.6246E-26	0.200271	hyper	sig	chr19_37692190
chr3	48609937	48609937	+	4.39E-28	2.6278E-26	0.267577	hyper	sig	chr3_48609937
chr2	1.55E+08	154698929	+	4.392E-28	2.6287E-26	0.259388	hyper	sig	chr2_154698929
chr4	54232280	54232280	+	4.406E-28	2.6371E-26	0.318215	hyper	sig	chr4_54232280
chr3	9552529	9552529	+	4.415E-28	2.6422E-26	0.337966	hyper	sig	chr3_9552529
chr19	49418903	49418903	+	4.42E-28	2.6449E-26	-0.35366	hypo	sig	chr19_49418903
chr16	566855	566855	+	4.441E-28	2.6573E-26	0.344023	hyper	sig	chr16_566855
chr17	80086322	80086322	+	4.441E-28	2.6574E-26	-0.39383	hypo	sig	chr17_80086322
chr16	86507891	86507891	+	4.442E-28	2.6578E-26	0.363889	hyper	sig	chr16_86507891
chr1	1.19E+08	119007214	+	4.446E-28	2.6601E-26	0.394982	hyper	sig	chr1_119007214
chr1	78491479	78491479	+	4.455E-28	2.6649E-26	0.346816	hyper	sig	chr1_78491479
chr3	26623787	26623787	+	4.458E-28	2.6665E-26	0.300206	hyper	sig	chr3_26623787
chr5	1.29E+08	128538029	+	4.458E-28	2.6665E-26	0.313218	hyper	sig	chr5_128538029
chr2	96500730	96500730	+	4.47E-28	2.6732E-26	0.374689	hyper	sig	chr2_96500730
chr8	71843629	71843629	+	4.486E-28	2.6828E-26	0.320475	hyper	sig	chr8_71843629
chr3	1.73E+08	173141138	+	4.491E-28	2.6857E-26	-0.32413	hypo	sig	chr3_173141138
chr11	17720955	17720955	+	4.493E-28	2.6866E-26	0.394964	hyper	sig	chr11_17720955
chr1	78491160	78491160	+	4.495E-28	2.6876E-26	0.346205	hyper	sig	chr1_78491160
chr13	53202171	53202171	+	4.502E-28	2.6918E-26	0.353167	hyper	sig	chr13_53202171
chr11	92224494	92224494	+	4.506E-28	2.6938E-26	0.263284	hyper	sig	chr11_92224494
chr3	27730275	27730275	+	4.506E-28	2.6938E-26	0.289612	hyper	sig	chr3_27730275
chr11	8263539	8263539	+	4.51E-28	2.6957E-26	0.238346	hyper	sig	chr11_8263539
chr11	1.29E+08	128824289	+	4.51E-28	2.6957E-26	0.377048	hyper	sig	chr11_128824289
chr7	97002444	97002444	+	4.525E-28	2.7042E-26	0.356642	hyper	sig	chr7_97002444
chr19	17751208	17751208	+	4.526E-28	2.7047E-26	-0.30503	hypo	sig	chr19_17751208
chr19	55647485	55647485	+	4.53E-28	2.707E-26	0.296187	hyper	sig	chr19_55647485
chr1	1.65E+08	165355164	+	4.532E-28	2.708E-26	0.348506	hyper	sig	chr1_165355164
chr11	314113	314113	+	4.533E-28	2.7083E-26	-0.26965	hypo	sig	chr11_314113
chr5	1.41E+08	141330946	+	4.533E-28	2.7083E-26	0.306224	hyper	sig	chr5_141330946
chr1	1.07E+08	107140176	+	4.537E-28	2.7103E-26	0.307636	hyper	sig	chr1_107140176
chr1	1926809	1926809	+	4.545E-28	2.7147E-26	-0.43284	hypo	sig	chr1_1926809
chr16	68647203	68647203	+	4.548E-28	2.7164E-26	0.358747	hyper	sig	chr16_68647203
chr10	99234111	99234111	+	4.548E-28	2.7166E-26	0.256199	hyper	sig	chr10_99234111
chr6	1.69E+08	169175658	+	4.55E-28	2.7175E-26	-0.33535	hypo	sig	chr6_169175658
chr5	1876306	1876306	+	4.573E-28	2.7311E-26	0.343042	hyper	sig	chr5_1876306
chr7	18087342	18087342	+	4.574E-28	2.7313E-26	0.287391	hyper	sig	chr7_18087342
chr16	88978260	88978260	+	4.58E-28	2.7344E-26	-0.32065	hypo	sig	chr16_88978260
chr20	21508556	21508556	+	4.58E-28	2.7346E-26	0.36264	hyper	sig	chr20_21508556
chr14	99512209	99512209	+	4.588E-28	2.7389E-26	0.313458	hyper	sig	chr14_99512209
chr13	96054555	96054555	+	4.604E-28	2.7485E-26	-0.37073	hypo	sig	chr13_96054555
chr3	84958672	84958672	+	4.625E-28	2.7608E-26	0.236395	hyper	sig	chr3_84958672
chr2	74515239	74515239	+	4.649E-28	2.7747E-26	0.368661	hyper	sig	chr2_74515239
chr5	1.41E+08	141403167	+	4.661E-28	2.7816E-26	0.340566	hyper	sig	chr5_141403167
chr5	1.41E+08	140882174	+	4.667E-28	2.785E-26	0.282571	hyper	sig	chr5_140882174
chr16	31216942	31216942	+	4.681E-28	2.7934E-26	0.240667	hyper	sig	chr16_31216942

chr4	1.77E+08	176792165	+	4.688E-28	2.7974E-26	0.306619	hyper	sig	chr4_176792165
chr10	625079	625079	+	4.69E-28	2.7978E-26	0.335851	hyper	sig	chr10_625079
chr7	27103789	27103789	+	4.69E-28	2.7978E-26	0.317531	hyper	sig	chr7_27103789
chr16	86565213	86565213	+	4.716E-28	2.8134E-26	0.281633	hyper	sig	chr16_86565213
chr14	20510322	20510322	+	4.72E-28	2.8157E-26	-0.38814	hypo	sig	chr14_20510322
chr10	95230760	95230760	+	4.721E-28	2.8161E-26	0.355238	hyper	sig	chr10_95230760
chr1	1.9E+08	190475637	+	4.724E-28	2.8174E-26	0.216131	hyper	sig	chr1_190475637
chr5	1.41E+08	141476900	+	4.726E-28	2.8188E-26	0.224078	hyper	sig	chr5_141476900
chr12	43552477	43552477	+	4.733E-28	2.8225E-26	0.314331	hyper	sig	chr12_43552477
chr3	1.38E+08	137767452	+	4.733E-28	2.8225E-26	0.229438	hyper	sig	chr3_137767452
chr5	1876272	1876272	+	4.739E-28	2.8256E-26	0.32129	hyper	sig	chr5_1876272
chr1	24535429	24535429	+	4.749E-28	2.8315E-26	-0.31016	hypo	sig	chr1_24535429
chr3	49686161	49686161	+	4.75E-28	2.8319E-26	0.297207	hyper	sig	chr3_49686161
chr7	24283642	24283642	+	4.761E-28	2.8381E-26	0.336914	hyper	sig	chr7_24283642
chr12	53952119	53952119	+	4.766E-28	2.8407E-26	0.320023	hyper	sig	chr12_53952119
chr12	57632438	57632438	+	4.783E-28	2.8509E-26	0.261357	hyper	sig	chr12_57632438
chr12	1.27E+08	126727901	+	4.785E-28	2.8518E-26	0.308749	hyper	sig	chr12_126727901
chr16	67165539	67165539	+	4.787E-28	2.8528E-26	0.401814	hyper	sig	chr16_67165539
chr7	19106615	19106615	+	4.788E-28	2.8534E-26	0.334831	hyper	sig	chr7_19106615
chr1	2.25E+08	225484187	+	4.792E-28	2.8556E-26	0.305863	hyper	sig	chr1_225484187
chr14	1.02E+08	101565103	+	4.794E-28	2.8566E-26	0.251713	hyper	sig	chr14_101565103
chr5	83472475	83472475	+	4.798E-28	2.8585E-26	0.233903	hyper	sig	chr5_83472475
chr13	1.12E+08	112069224	+	4.802E-28	2.8605E-26	0.320824	hyper	sig	chr13_112069224
chr5	1.8E+08	179529791	+	4.806E-28	2.8629E-26	-0.33062	hypo	sig	chr5_179529791
chr7	4767124	4767124	+	4.807E-28	2.863E-26	0.32434	hyper	sig	chr7_4767124
chr16	2124736	2124736	+	4.819E-28	2.8704E-26	0.36631	hyper	sig	chr16_2124736
chr15	1.01E+08	100880410	+	4.82E-28	2.8704E-26	0.431283	hyper	sig	chr15_100880410
chr12	1.03E+08	102961404	+	4.826E-28	2.874E-26	0.298478	hyper	sig	chr12_102961404
chr17	61495567	61495567	+	4.836E-28	2.8798E-26	-0.35016	hypo	sig	chr17_61495567
chr12	4809800	4809800	+	4.838E-28	2.8804E-26	0.302719	hyper	sig	chr12_4809800
chr11	526347	526347	+	4.849E-28	2.8868E-26	-0.32797	hypo	sig	chr11_526347
chr16	86432905	86432905	+	4.851E-28	2.888E-26	0.457514	hyper	sig	chr16_86432905
chr6	1.27E+08	127119926	+	4.861E-28	2.8938E-26	0.237835	hyper	sig	chr6_127119926
chr12	1.13E+08	113479685	+	4.868E-28	2.8977E-26	0.340975	hyper	sig	chr12_113479685
chr19	53132973	53132973	+	4.873E-28	2.9006E-26	0.254474	hyper	sig	chr19_53132973
chr3	3183638	3183638	+	4.875E-28	2.9013E-26	-0.33839	hypo	sig	chr3_3183638
chr13	83879708	83879708	+	4.884E-28	2.9068E-26	0.364461	hyper	sig	chr13_83879708
chr1	20473455	20473455	+	4.895E-28	2.9127E-26	0.280568	hyper	sig	chr1_20473455
chr11	8038676	8038676	+	4.899E-28	2.9152E-26	-0.32417	hypo	sig	chr11_8038676
chr12	1.2E+08	120101009	+	4.9E-28	2.9152E-26	0.29062	hyper	sig	chr12_120101009
chr6	31728658	31728658	+	4.901E-28	2.9159E-26	0.331899	hyper	sig	chr6_31728658
chr6	71420964	71420964	+	4.902E-28	2.9163E-26	0.258114	hyper	sig	chr6_71420964
chr20	56004273	56004273	+	4.905E-28	2.918E-26	0.322492	hyper	sig	chr20_56004273
chr4	74446739	74446739	+	4.927E-28	2.9304E-26	-0.33518	hypo	sig	chr4_74446739
chr17	21397423	21397423	+	4.927E-28	2.9307E-26	0.409208	hyper	sig	chr17_21397423
chr17	44948254	44948254	+	4.938E-28	2.937E-26	0.292366	hyper	sig	chr17_44948254
chr5	1.42E+08	141513596	+	4.94E-28	2.9378E-26	0.502934	hyper	sig	chr5_141513596
chr19	33623229	33623229	+	4.944E-28	2.9397E-26	0.338383	hyper	sig	chr19_33623229
chr10	25176474	25176474	+	4.945E-28	2.9402E-26	0.243	hyper	sig	chr10_25176474
chr20	63007222	63007222	+	4.946E-28	2.9407E-26	0.396737	hyper	sig	chr20_63007222
chr10	69569298	69569298	+	4.953E-28	2.9448E-26	0.409302	hyper	sig	chr10_69569298
chr20	38806561	38806561	+	4.957E-28	2.9465E-26	0.229042	hyper	sig	chr20_38806561
chr13	29522047	29522047	+	4.959E-28	2.9476E-26	0.293898	hyper	sig	chr13_29522047
chr12	1.14E+08	114409684	+	4.965E-28	2.9508E-26	0.226118	hyper	sig	chr12_114409684
chr6	1.27E+08	127119590	+	4.965E-28	2.9511E-26	0.201098	hyper	sig	chr6_127119590
chr7	1.5E+08	150221093	+	4.983E-28	2.9612E-26	0.238399	hyper	sig	chr7_150221093

chr7	1.22E+08	122310233	+	4.985E-28	2.9625E-26	0.293268	hyper	sig	chr7_122310233
chr7	1.43E+08	142796901	+	4.993E-28	2.9669E-26	0.267783	hyper	sig	chr7_142796901
chr18	50298706	50298706	+	4.995E-28	2.9681E-26	0.308463	hyper	sig	chr18_50298706
chr5	1.29E+08	128536381	+	5.001E-28	2.971E-26	0.255694	hyper	sig	chr5_128536381
chr10	1.28E+08	127737724	+	5.001E-28	2.9711E-26	0.300037	hyper	sig	chr10_127737724
chr5	1.42E+08	141751120	+	5.005E-28	2.9728E-26	-0.36679	hypo	sig	chr5_141751120
chr2	1.92E+08	192196078	+	5.011E-28	2.9764E-26	0.274347	hyper	sig	chr2_192196078
chr14	1.04E+08	104357859	+	5.013E-28	2.9777E-26	-0.41264	hypo	sig	chr14_104357859
chr16	49822857	49822857	+	5.015E-28	2.9783E-26	-0.29029	hypo	sig	chr16_49822857
chr2	2.34E+08	233939196	+	5.015E-28	2.9783E-26	0.35812	hyper	sig	chr2_233939196
chr10	1.2E+08	119544125	+	5.016E-28	2.9785E-26	0.398503	hyper	sig	chr10_119544125
chr11	1.23E+08	122981746	+	5.021E-28	2.9811E-26	0.307278	hyper	sig	chr11_122981746
chr7	99267590	99267590	+	5.024E-28	2.9828E-26	-0.28192	hypo	sig	chr7_99267590
chr3	1.41E+08	141095222	+	5.026E-28	2.9836E-26	0.329582	hyper	sig	chr3_141095222
chr19	22010529	22010529	+	5.03E-28	2.986E-26	0.331673	hyper	sig	chr19_22010529
chr1	9321402	9321402	+	5.031E-28	2.9866E-26	0.356438	hyper	sig	chr1_9321402
chr11	15114604	15114604	+	5.033E-28	2.987E-26	0.347895	hyper	sig	chr11_15114604
chr9	1.18E+08	117744981	+	5.04E-28	2.9913E-26	0.257305	hyper	sig	chr9_117744981
chr8	76683098	76683098	+	5.042E-28	2.9922E-26	0.331033	hyper	sig	chr8_76683098
chr8	48735177	48735177	+	5.044E-28	2.9933E-26	0.324821	hyper	sig	chr8_48735177
chr13	27792668	27792668	+	5.045E-28	2.9937E-26	0.356703	hyper	sig	chr13_27792668
chr6	30163945	30163945	+	5.073E-28	3.01E-26	-0.30985	hypo	sig	chr6_30163945
chr11	69099319	69099319	+	5.079E-28	3.0135E-26	-0.36193	hypo	sig	chr11_69099319
chr2	86790383	86790383	+	5.086E-28	3.017E-26	0.298957	hyper	sig	chr2_86790383
chr5	1973674	1973674	+	5.092E-28	3.0208E-26	-0.34358	hypo	sig	chr5_1973674
chr7	1693474	1693474	+	5.101E-28	3.0259E-26	-0.38644	hypo	sig	chr7_1693474
chr2	2.39E+08	239397149	+	5.103E-28	3.0265E-26	0.237879	hyper	sig	chr2_239397149
chr7	4725298	4725298	+	5.105E-28	3.0277E-26	0.287555	hyper	sig	chr7_4725298
chr6	1E+08	100447359	+	5.118E-28	3.035E-26	0.338416	hyper	sig	chr6_100447359
chr11	1.34E+08	134471491	+	5.135E-28	3.0449E-26	0.343095	hyper	sig	chr11_134471491
chr4	1.33E+08	133146838	+	5.139E-28	3.0471E-26	0.246799	hyper	sig	chr4_133146838
chr20	1224713	1224713	+	5.14E-28	3.0474E-26	-0.29503	hypo	sig	chr20_1224713
chr11	31805565	31805565	+	5.146E-28	3.0509E-26	0.311996	hyper	sig	chr11_31805565
chr17	81865542	81865542	+	5.158E-28	3.0579E-26	-0.32831	hypo	sig	chr17_81865542
chr7	1.59E+08	159066130	+	5.162E-28	3.0596E-26	-0.33101	hypo	sig	chr7_159066130
chr3	1.72E+08	172449739	+	5.17E-28	3.0643E-26	0.295719	hyper	sig	chr3_172449739
chr2	25253047	25253047	+	5.172E-28	3.0655E-26	0.350923	hyper	sig	chr2_25253047
chr14	26598451	26598451	+	5.186E-28	3.0731E-26	0.367385	hyper	sig	chr14_26598451
chr1	47434606	47434606	+	5.205E-28	3.0847E-26	0.352418	hyper	sig	chr1_47434606
chr6	33187358	33187358	+	5.229E-28	3.0982E-26	-0.29562	hypo	sig	chr6_33187358
chr1	32754368	32754368	+	5.234E-28	3.1011E-26	0.280673	hyper	sig	chr1_32754368
chr7	97002268	97002268	+	5.241E-28	3.1047E-26	0.325851	hyper	sig	chr7_97002268
chr8	11709672	11709672	+	5.245E-28	3.107E-26	0.395853	hyper	sig	chr8_11709672
chr19	1775250	1775250	+	5.254E-28	3.1123E-26	0.334791	hyper	sig	chr19_1775250
chr19	36797683	36797683	+	5.257E-28	3.1137E-26	0.265772	hyper	sig	chr19_36797683
chr2	2.08E+08	208407240	+	5.27E-28	3.1214E-26	0.245674	hyper	sig	chr2_208407240
chr2	44943149	44943149	+	5.308E-28	3.1432E-26	0.373408	hyper	sig	chr2_44943149
chr1	47433992	47433992	+	5.308E-28	3.1434E-26	0.339904	hyper	sig	chr1_47433992
chr20	21020491	21020491	+	5.312E-28	3.1455E-26	0.337238	hyper	sig	chr20_21020491
chr20	38674039	38674039	+	5.333E-28	3.1578E-26	0.294634	hyper	sig	chr20_38674039
chr11	1.18E+08	117875741	+	5.336E-28	3.1592E-26	0.245259	hyper	sig	chr11_117875741
chr12	66234336	66234336	+	5.354E-28	3.1696E-26	-0.42063	hypo	sig	chr12_66234336
chr14	1.02E+08	101781273	+	5.357E-28	3.1708E-26	0.265336	hyper	sig	chr14_101781273
chr8	74984872	74984872	+	5.358E-28	3.1714E-26	0.273405	hyper	sig	chr8_74984872
chr5	320790	320790	+	5.361E-28	3.1727E-26	0.367359	hyper	sig	chr5_320790
chr6	32093383	32093383	+	5.361E-28	3.173E-26	0.364506	hyper	sig	chr6_32093383

chr1	2073809	2073809	+	5.364E-28	3.174E-26	0.356953	hyper	sig	chr1_2073809
chr7	1.58E+08	158451075	+	5.368E-28	3.1763E-26	-0.38773	hypo	sig	chr7_158451075
chr1	47434582	47434582	+	5.373E-28	3.1791E-26	0.348754	hyper	sig	chr1_47434582
chr10	55630162	55630162	+	5.381E-28	3.1835E-26	0.373965	hyper	sig	chr10_55630162
chr5	55223259	55223259	+	5.401E-28	3.1953E-26	0.37991	hyper	sig	chr5_55223259
chr13	1.08E+08	108214806	+	5.406E-28	3.1977E-26	0.386545	hyper	sig	chr13_108214806
chr2	26847479	26847479	+	5.432E-28	3.213E-26	0.299119	hyper	sig	chr2_26847479
chr5	1.73E+08	173244801	+	5.433E-28	3.2137E-26	0.40945	hyper	sig	chr5_173244801
chr4	1.07E+08	107035921	+	5.436E-28	3.2152E-26	0.347003	hyper	sig	chr4_107035921
chr1	1.53E+08	153261878	+	5.437E-28	3.2155E-26	0.244982	hyper	sig	chr1_153261878
chr8	64587330	64587330	+	5.447E-28	3.2212E-26	0.297359	hyper	sig	chr8_64587330
chr5	1.41E+08	141374163	+	5.467E-28	3.2326E-26	0.42688	hyper	sig	chr5_141374163
chr6	30555427	30555427	+	5.468E-28	3.2332E-26	0.2756	hyper	sig	chr6_30555427
chr3	84958664	84958664	+	5.47E-28	3.2341E-26	0.209611	hyper	sig	chr3_84958664
chr8	48735158	48735158	+	5.473E-28	3.2353E-26	0.318131	hyper	sig	chr8_48735158
chr4	15787774	15787774	+	5.483E-28	3.241E-26	-0.28161	hypo	sig	chr4_15787774
chr13	78607824	78607824	+	5.486E-28	3.2424E-26	0.421053	hyper	sig	chr13_78607824
chr2	1.19E+08	119159071	+	5.496E-28	3.2481E-26	0.311087	hyper	sig	chr2_119159071
chr5	79070253	79070253	+	5.497E-28	3.2488E-26	0.408656	hyper	sig	chr5_79070253
chr19	58098394	58098394	+	5.504E-28	3.2523E-26	0.223972	hyper	sig	chr19_58098394
chr8	1.43E+08	143369473	+	5.505E-28	3.2531E-26	-0.22969	hypo	sig	chr8_143369473
chr3	1.97E+08	196948658	+	5.507E-28	3.2538E-26	0.394298	hyper	sig	chr3_196948658
chr1	99005431	99005431	+	5.511E-28	3.2562E-26	0.272622	hyper	sig	chr1_99005431
chr2	1.82E+08	181678506	+	5.516E-28	3.2587E-26	0.309493	hyper	sig	chr2_181678506
chr7	920837	920837	+	5.547E-28	3.2771E-26	-0.30592	hypo	sig	chr7_920837
chr6	1.67E+08	166672020	+	5.552E-28	3.2795E-26	-0.31129	hypo	sig	chr6_166672020
chr13	99971922	99971922	+	5.555E-28	3.281E-26	0.451924	hyper	sig	chr13_99971922
chr1	2.21E+08	220880462	+	5.558E-28	3.2824E-26	0.358823	hyper	sig	chr1_220880462
chr17	75784211	75784211	+	5.564E-28	3.286E-26	-0.27348	hypo	sig	chr17_75784211
chr11	1.26E+08	126061606	+	5.584E-28	3.2974E-26	0.341747	hyper	sig	chr11_126061606
chr16	86565186	86565186	+	5.585E-28	3.2977E-26	0.304119	hyper	sig	chr16_86565186
chr8	1.38E+08	138496860	+	5.611E-28	3.3127E-26	0.37219	hyper	sig	chr8_138496860
chr16	1169517	1169517	+	5.638E-28	3.3287E-26	0.418903	hyper	sig	chr16_1169517
chr19	21836208	21836208	+	5.643E-28	3.331E-26	0.225792	hyper	sig	chr19_21836208
chr9	36258888	36258888	+	5.642E-28	3.331E-26	0.206408	hyper	sig	chr9_36258888
chr20	21507560	21507560	+	5.647E-28	3.333E-26	0.443389	hyper	sig	chr20_21507560
chr5	1.77E+08	176549341	+	5.648E-28	3.3336E-26	-0.30363	hypo	sig	chr5_176549341
chr2	47566137	47566137	+	5.652E-28	3.336E-26	-0.31509	hypo	sig	chr2_47566137
chr5	1.41E+08	141352365	+	5.665E-28	3.3432E-26	0.408533	hyper	sig	chr5_141352365
chr19	56393889	56393889	+	5.667E-28	3.3436E-26	0.318787	hyper	sig	chr19_56393889
chr6	31728679	31728679	+	5.667E-28	3.3436E-26	0.318495	hyper	sig	chr6_31728679
chr1	1.59E+08	159440264	+	5.686E-28	3.3551E-26	-0.29735	hypo	sig	chr1_159440264
chr3	1.98E+08	197522421	+	5.698E-28	3.3617E-26	-0.29843	hypo	sig	chr3_197522421
chr1	1.62E+08	161525175	+	5.699E-28	3.3621E-26	0.281099	hyper	sig	chr1_161525175
chr12	8224916	8224916	+	5.703E-28	3.3641E-26	-0.30329	hypo	sig	chr12_8224916
chr7	32318994	32318994	+	5.708E-28	3.3665E-26	0.337254	hyper	sig	chr7_32318994
chr16	3183452	3183452	+	5.718E-28	3.3722E-26	0.288541	hyper	sig	chr16_3183452
chr17	50611889	50611889	+	5.728E-28	3.378E-26	-0.3122	hypo	sig	chr17_50611889
chr12	1.13E+08	112575690	+	5.739E-28	3.3846E-26	0.355198	hyper	sig	chr12_112575690
chr8	96159389	96159389	+	5.743E-28	3.3867E-26	0.393416	hyper	sig	chr8_96159389
chr13	23433274	23433274	+	5.747E-28	3.3883E-26	0.33467	hyper	sig	chr13_23433274
chr15	82680975	82680975	+	5.749E-28	3.3895E-26	0.300154	hyper	sig	chr15_82680975
chr16	85620677	85620677	+	5.757E-28	3.3941E-26	-0.35539	hypo	sig	chr16_85620677
chr4	1.64E+08	164384182	+	5.758E-28	3.3946E-26	0.335156	hyper	sig	chr4_164384182
chr1	1.57E+08	156657003	+	5.76E-28	3.3951E-26	0.260578	hyper	sig	chr1_156657003
chr10	11164829	11164829	+	5.768E-28	3.3999E-26	0.300795	hyper	sig	chr10_11164829

chr21	44912177	44912177	+	5.769E-28	3.3999E-26	-0.28081	hypo	sig	chr21_44912177
chr3	1.54E+08	154122712	+	5.769E-28	3.3999E-26	0.309299	hyper	sig	chr3_154122712
chr4	1.9E+08	190018027	+	5.782E-28	3.4072E-26	0.242085	hyper	sig	chr4_190018027
chr8	1.44E+08	143547551	+	5.798E-28	3.4166E-26	-0.30874	hypo	sig	chr8_143547551
chr7	8442444	8442444	+	5.801E-28	3.418E-26	0.347399	hyper	sig	chr7_8442444
chr13	44815908	44815908	+	5.814E-28	3.4255E-26	-0.21916	hypo	sig	chr13_44815908
chr8	96160221	96160221	+	5.829E-28	3.434E-26	0.277461	hyper	sig	chr8_96160221
chr17	81160899	81160899	+	5.832E-28	3.4353E-26	-0.37209	hypo	sig	chr17_81160899
chr4	1407638	1407638	+	5.838E-28	3.439E-26	0.438673	hyper	sig	chr4_1407638
chr1	1.44E+08	143698919	+	5.88E-28	3.4628E-26	0.421869	hyper	sig	chr1_143698919
chr12	1.33E+08	132905003	+	5.879E-28	3.4628E-26	0.33938	hyper	sig	chr12_132905003
chr13	25046867	25046867	+	5.886E-28	3.4662E-26	0.347575	hyper	sig	chr13_25046867
chr1	2074021	2074021	+	5.888E-28	3.4674E-26	0.343805	hyper	sig	chr1_2074021
chr1	2E+08	200035646	+	5.893E-28	3.4697E-26	0.270259	hyper	sig	chr1_200035646
chr7	1.51E+08	151200538	+	5.92E-28	3.4857E-26	-0.37006	hypo	sig	chr7_151200538
chr5	1.5E+08	150190026	+	5.926E-28	3.4886E-26	0.366806	hyper	sig	chr5_150190026
chr17	79467505	79467505	+	5.94E-28	3.4969E-26	-0.34582	hypo	sig	chr17_79467505
chr5	1.81E+08	181100421	+	5.964E-28	3.5106E-26	0.312215	hyper	sig	chr5_181100421
chr1	27341942	27341942	+	5.98E-28	3.5195E-26	-0.33884	hypo	sig	chr1_27341942
chr12	1.33E+08	132888271	+	6.001E-28	3.5318E-26	0.239011	hyper	sig	chr12_132888271
chr11	8722123	8722123	+	6.005E-28	3.534E-26	0.280867	hyper	sig	chr11_8722123
chr12	1.3E+08	130018041	+	6.016E-28	3.5401E-26	0.312669	hyper	sig	chr12_130018041
chr11	40293817	40293817	+	6.021E-28	3.5428E-26	0.303488	hyper	sig	chr11_40293817
chr17	48546457	48546457	+	6.026E-28	3.5456E-26	0.320196	hyper	sig	chr17_48546457
chr11	68372211	68372211	+	6.027E-28	3.5459E-26	0.312571	hyper	sig	chr11_68372211
chr1	2.12E+08	211502076	+	6.043E-28	3.5552E-26	0.351147	hyper	sig	chr1_211502076
chr8	1E+08	100106314	+	6.047E-28	3.557E-26	0.411416	hyper	sig	chr8_100106314
chr10	23694949	23694949	+	6.07E-28	3.5704E-26	0.327712	hyper	sig	chr10_23694949
chr7	24978976	24978976	+	6.072E-28	3.5716E-26	-0.31899	hypo	sig	chr7_24978976
chr13	27792657	27792657	+	6.098E-28	3.5863E-26	0.334293	hyper	sig	chr13_27792657
chr2	1.45E+08	144517416	+	6.098E-28	3.5863E-26	0.217078	hyper	sig	chr2_144517416
chr5	55221051	55221051	+	6.111E-28	3.5934E-26	0.352468	hyper	sig	chr5_55221051
chr19	57614609	57614609	+	6.112E-28	3.5936E-26	0.369228	hyper	sig	chr19_57614609
chr12	49974278	49974278	+	6.116E-28	3.5959E-26	0.414435	hyper	sig	chr12_49974278
chr9	1.37E+08	136658761	+	6.124E-28	3.6001E-26	-0.49646	hypo	sig	chr9_136658761
chr19	2251861	2251861	+	6.126E-28	3.6015E-26	0.310853	hyper	sig	chr19_2251861
chr5	3606981	3606981	+	6.138E-28	3.6079E-26	0.36539	hyper	sig	chr5_3606981
chr6	30172186	30172186	+	6.153E-28	3.6162E-26	0.320467	hyper	sig	chr6_30172186
chr1	10649113	10649113	+	6.191E-28	3.6387E-26	0.264275	hyper	sig	chr1_10649113
chr1	27403520	27403520	+	6.202E-28	3.6449E-26	0.330318	hyper	sig	chr1_27403520
chr6	34263643	34263643	+	6.215E-28	3.6519E-26	0.29292	hyper	sig	chr6_34263643
chr8	64369702	64369702	+	6.216E-28	3.6521E-26	0.312002	hyper	sig	chr8_64369702
chr7	30678338	30678338	+	6.216E-28	3.6523E-26	-0.3892	hypo	sig	chr7_30678338
chr7	1.01E+08	100865886	+	6.221E-28	3.6546E-26	-0.36287	hypo	sig	chr7_100865886
chr21	38804977	38804977	+	6.23E-28	3.66E-26	-0.30892	hypo	sig	chr21_38804977
chr1	1.19E+08	118985807	+	6.234E-28	3.6614E-26	0.369731	hyper	sig	chr1_118985807
chr14	74239325	74239325	+	6.233E-28	3.6614E-26	0.324409	hyper	sig	chr14_74239325
chr11	1.23E+08	122978293	+	6.237E-28	3.663E-26	0.255816	hyper	sig	chr11_122978293
chr5	58583575	58583575	+	6.253E-28	3.6723E-26	0.263753	hyper	sig	chr5_58583575
chr19	38975242	38975242	+	6.268E-28	3.6807E-26	0.342708	hyper	sig	chr19_38975242
chr4	1.85E+08	185019496	+	6.269E-28	3.6808E-26	0.324581	hyper	sig	chr4_185019496
chr7	1308717	1308717	+	6.276E-28	3.6849E-26	-0.38522	hypo	sig	chr7_1308717
chr4	1.74E+08	173517806	+	6.297E-28	3.6971E-26	0.323439	hyper	sig	chr4_173517806
chr13	1.12E+08	112353230	+	6.299E-28	3.6977E-26	-0.34565	hypo	sig	chr13_112353230
chr7	4767245	4767245	+	6.307E-28	3.702E-26	0.306763	hyper	sig	chr7_4767245
chr3	5195793	5195793	+	6.313E-28	3.7054E-26	-0.24889	hypo	sig	chr3_5195793

chr14	93788222	93788222	+	6.328E-28	3.7141E-26	0.284938	hyper	sig	chr14_93788222
chr2	1.19E+08	118851853	+	6.339E-28	3.7198E-26	0.363993	hyper	sig	chr2_118851853
chr7	4810490	4810490	+	6.347E-28	3.7243E-26	-0.42652	hypo	sig	chr7_4810490
chr10	16520662	16520662	+	6.377E-28	3.7418E-26	0.346788	hyper	sig	chr10_16520662
chr2	5692977	5692977	+	6.378E-28	3.7419E-26	0.347888	hyper	sig	chr2_5692977
chr17	6714278	6714278	+	6.4E-28	3.7549E-26	0.342283	hyper	sig	chr17_6714278
chr8	76683896	76683896	+	6.421E-28	3.767E-26	0.320936	hyper	sig	chr8_76683896
chr8	1.43E+08	143489851	+	6.447E-28	3.782E-26	0.272219	hyper	sig	chr8_143489851
chr12	6620477	6620477	+	6.46E-28	3.789E-26	0.339837	hyper	sig	chr12_6620477
chr7	64575091	64575091	+	6.482E-28	3.8017E-26	0.353692	hyper	sig	chr7_64575091
chr1	37475662	37475662	+	6.505E-28	3.8147E-26	-0.31788	hypo	sig	chr1_37475662
chr11	1.29E+08	128866949	+	6.521E-28	3.8241E-26	-0.29833	hypo	sig	chr11_128866949
chr8	1.16E+08	115648408	+	6.521E-28	3.8241E-26	0.380011	hyper	sig	chr8_115648408
chr7	1.59E+08	159144411	+	6.522E-28	3.8242E-26	0.288842	hyper	sig	chr7_159144411
chr19	15911662	15911662	+	6.524E-28	3.8252E-26	0.325539	hyper	sig	chr19_15911662
chr1	9652535	9652535	+	6.533E-28	3.83E-26	0.272908	hyper	sig	chr1_9652535
chr4	1.9E+08	190020595	+	6.533E-28	3.83E-26	0.294827	hyper	sig	chr4_190020595
chr12	24951875	24951875	+	6.554E-28	3.8421E-26	-0.34273	hypo	sig	chr12_24951875
chr6	1.7E+08	170177179	+	6.558E-28	3.8436E-26	-0.37495	hypo	sig	chr6_170177179
chr2	55923298	55923298	+	6.566E-28	3.8482E-26	0.275345	hyper	sig	chr2_55923298
chr17	30235103	30235103	+	6.569E-28	3.8497E-26	0.29462	hyper	sig	chr17_30235103
chr11	6418576	6418576	+	6.608E-28	3.8721E-26	0.356515	hyper	sig	chr11_6418576
chr1	1.56E+08	156076598	+	6.618E-28	3.8778E-26	0.352169	hyper	sig	chr1_156076598
chr16	87127234	87127234	+	6.619E-28	3.8781E-26	0.387555	hyper	sig	chr16_87127234
chr19	58098439	58098439	+	6.622E-28	3.8794E-26	0.21871	hyper	sig	chr19_58098439
chr5	32713248	32713248	+	6.626E-28	3.8816E-26	0.34347	hyper	sig	chr5_32713248
chr8	65846133	65846133	+	6.63E-28	3.8838E-26	-0.32153	hypo	sig	chr8_65846133
chr5	79690337	79690337	+	6.644E-28	3.8915E-26	0.377495	hyper	sig	chr5_79690337
chr7	24284215	24284215	+	6.657E-28	3.899E-26	0.369264	hyper	sig	chr7_24284215
chr8	53877128	53877128	+	6.681E-28	3.9129E-26	0.369225	hyper	sig	chr8_53877128
chr3	51984099	51984099	+	6.697E-28	3.9219E-26	-0.37688	hypo	sig	chr3_51984099
chr8	1.42E+08	141760552	+	6.699E-28	3.9229E-26	-0.36981	hypo	sig	chr8_141760552
chr1	75128573	75128573	+	6.704E-28	3.9254E-26	0.300316	hyper	sig	chr1_75128573
chr2	1.05E+08	104864260	+	6.707E-28	3.927E-26	0.298072	hyper	sig	chr2_104864260
chr3	13637690	13637690	+	6.719E-28	3.9338E-26	-0.30325	hypo	sig	chr3_13637690
chr7	1.57E+08	157022336	+	6.739E-28	3.9451E-26	0.245172	hyper	sig	chr7_157022336
chr12	1.13E+08	113479600	+	6.755E-28	3.9539E-26	0.321739	hyper	sig	chr12_113479600
chr7	1.51E+08	151254396	+	6.758E-28	3.9557E-26	-0.36247	hypo	sig	chr7_151254396
chr13	26051267	26051267	+	6.759E-28	3.9559E-26	0.279631	hyper	sig	chr13_26051267
chr7	63100052	63100052	+	6.779E-28	3.9672E-26	-0.35853	hypo	sig	chr7_63100052
chr2	63055862	63055862	+	6.789E-28	3.9727E-26	0.26205	hyper	sig	chr2_63055862
chr3	1.22E+08	122184779	+	6.791E-28	3.9737E-26	0.330644	hyper	sig	chr3_122184779
chr17	8798824	8798824	+	6.8E-28	3.9787E-26	0.35391	hyper	sig	chr17_8798824
chr11	1.19E+08	118531637	+	6.805E-28	3.9815E-26	0.327128	hyper	sig	chr11_118531637
chr1	2.33E+08	232805467	+	6.808E-28	3.9827E-26	0.206654	hyper	sig	chr1_232805467
chr1	36176399	36176399	+	6.808E-28	3.9828E-26	0.443946	hyper	sig	chr1_36176399
chr8	1.01E+08	101491726	+	6.834E-28	3.9976E-26	-0.26107	hypo	sig	chr8_101491726
chr8	49911769	49911769	+	6.857E-28	4.0107E-26	0.358601	hyper	sig	chr8_49911769
chr6	29828164	29828164	+	6.858E-28	4.0108E-26	0.247095	hyper	sig	chr6_29828164
chr7	4179111	4179111	+	6.868E-28	4.016E-26	-0.346	hypo	sig	chr7_4179111
chr7	1.59E+08	159065817	+	6.87E-28	4.0169E-26	-0.29719	hypo	sig	chr7_159065817
chr15	47184785	47184785	+	6.879E-28	4.0219E-26	0.272018	hyper	sig	chr15_47184785
chr5	79069874	79069874	+	6.883E-28	4.0239E-26	0.373517	hyper	sig	chr5_79069874
chr7	781605	781605	+	6.887E-28	4.0261E-26	0.260944	hyper	sig	chr7_781605
chr17	6995964	6995964	+	6.893E-28	4.0297E-26	0.271125	hyper	sig	chr17_6995964
chr2	74499886	74499886	+	6.916E-28	4.0427E-26	0.274684	hyper	sig	chr2_74499886

chr10	1.12E+08	112375511	+	6.941E-28	4.0564E-26	-0.32937	hypo	sig	chr10_112375511
chr15	82949185	82949185	+	6.943E-28	4.0576E-26	-0.29678	hypo	sig	chr15_82949185
chr1	31772322	31772322	+	6.951E-28	4.0616E-26	0.277219	hyper	sig	chr1_31772322
chr16	3189275	3189275	+	6.951E-28	4.0616E-26	0.315643	hyper	sig	chr16_3189275
chr10	1.01E+08	101228615	+	6.962E-28	4.0675E-26	0.283218	hyper	sig	chr10_101228615
chr8	1.42E+08	142126181	+	6.962E-28	4.0675E-26	-0.37542	hypo	sig	chr8_142126181
chr11	1834159	1834159	+	6.969E-28	4.0714E-26	-0.34103	hypo	sig	chr11_1834159
chr20	64072225	64072225	+	6.973E-28	4.073E-26	-0.34802	hypo	sig	chr20_64072225
chr1	3651074	3651074	+	6.978E-28	4.0757E-26	0.318142	hyper	sig	chr1_3651074
chr1	2.28E+08	227944263	+	6.989E-28	4.0822E-26	0.303572	hyper	sig	chr1_227944263
chr15	59994281	59994281	+	6.995E-28	4.0852E-26	0.345739	hyper	sig	chr15_59994281
chr2	468945	468945	+	7E-28	4.0879E-26	0.367096	hyper	sig	chr2_468945
chr11	1.3E+08	130162920	+	7.012E-28	4.0943E-26	-0.29702	hypo	sig	chr11_130162920
chr2	2.13E+08	212538488	+	7.021E-28	4.0998E-26	0.295993	hyper	sig	chr2_212538488
chr20	63775529	63775529	+	7.023E-28	4.1001E-26	0.348277	hyper	sig	chr20_63775529
chr11	314086	314086	+	7.025E-28	4.1014E-26	-0.24356	hypo	sig	chr11_314086
chr7	1.5E+08	150340146	+	7.034E-28	4.1062E-26	0.374342	hyper	sig	chr7_150340146
chr12	1.23E+08	123269516	+	7.035E-28	4.1067E-26	0.409742	hyper	sig	chr12_123269516
chr17	80178252	80178252	+	7.042E-28	4.1103E-26	-0.2985	hypo	sig	chr17_80178252
chr6	1.66E+08	166009253	+	7.046E-28	4.1125E-26	0.242417	hyper	sig	chr6_166009253
chr4	212742	212742	+	7.05E-28	4.1145E-26	0.292139	hyper	sig	chr4_212742
chr12	1.27E+08	127446756	+	7.063E-28	4.122E-26	-0.39226	hypo	sig	chr12_127446756
chr3	1.28E+08	128497348	+	7.072E-28	4.1266E-26	0.352041	hyper	sig	chr3_128497348
chr7	27110611	27110611	+	7.072E-28	4.1266E-26	0.411613	hyper	sig	chr7_27110611
chr14	56812387	56812387	+	7.077E-28	4.129E-26	0.340364	hyper	sig	chr14_56812387
chr3	44021899	44021899	+	7.086E-28	4.1342E-26	0.322942	hyper	sig	chr3_44021899
chr11	1.08E+08	107929241	+	7.099E-28	4.1411E-26	0.270556	hyper	sig	chr11_107929241
chr12	6620528	6620528	+	7.1E-28	4.1414E-26	0.314239	hyper	sig	chr12_6620528
chr4	1.87E+08	186709284	+	7.106E-28	4.1448E-26	-0.25948	hypo	sig	chr4_186709284
chr10	49612560	49612560	+	7.125E-28	4.1557E-26	0.395253	hyper	sig	chr10_49612560
chr17	9906064	9906064	+	7.132E-28	4.1594E-26	-0.2821	hypo	sig	chr17_9906064
chr19	22010753	22010753	+	7.152E-28	4.1705E-26	0.305293	hyper	sig	chr19_22010753
chr17	34997793	34997793	+	7.153E-28	4.1708E-26	0.375642	hyper	sig	chr17_34997793
chr11	69819005	69819005	+	7.167E-28	4.1791E-26	0.356589	hyper	sig	chr11_69819005
chr7	1.57E+08	157022328	+	7.193E-28	4.1937E-26	0.336414	hyper	sig	chr7_157022328
chr1	2.14E+08	213996898	+	7.196E-28	4.1951E-26	0.328824	hyper	sig	chr1_213996898
chr2	2.22E+08	222300208	+	7.203E-28	4.1989E-26	0.292452	hyper	sig	chr2_222300208
chr5	1.39E+08	139394298	+	7.219E-28	4.2076E-26	0.317313	hyper	sig	chr5_139394298
chr13	94707493	94707493	+	7.254E-28	4.2279E-26	0.27663	hyper	sig	chr13_94707493
chr19	37551323	37551323	+	7.254E-28	4.2279E-26	0.452937	hyper	sig	chr19_37551323
chr2	1055087	1055087	+	7.266E-28	4.2346E-26	-0.3214	hypo	sig	chr2_1055087
chr11	8169043	8169043	+	7.272E-28	4.2377E-26	0.261709	hyper	sig	chr11_8169043
chr6	32221365	32221365	+	7.273E-28	4.2377E-26	-0.29345	hypo	sig	chr6_32221365
chr5	1.41E+08	141431238	+	7.279E-28	4.2411E-26	0.313744	hyper	sig	chr5_141431238
chr1	1.19E+08	118986792	+	7.293E-28	4.2487E-26	0.359664	hyper	sig	chr1_118986792
chr13	1.13E+08	112910900	+	7.299E-28	4.2522E-26	0.312551	hyper	sig	chr13_112910900
chr10	1.32E+08	132485055	+	7.301E-28	4.253E-26	-0.29742	hypo	sig	chr10_132485055
chr7	38976027	38976027	+	7.302E-28	4.253E-26	0.393569	hyper	sig	chr7_38976027
chr14	85529284	85529284	+	7.306E-28	4.2551E-26	0.379468	hyper	sig	chr14_85529284
chr18	50298750	50298750	+	7.331E-28	4.2694E-26	0.332317	hyper	sig	chr18_50298750
chr20	23049567	23049567	+	7.337E-28	4.2727E-26	0.315986	hyper	sig	chr20_23049567
chr3	1.47E+08	147380792	+	7.351E-28	4.2804E-26	0.330122	hyper	sig	chr3_147380792
chr6	41638044	41638044	+	7.354E-28	4.2818E-26	0.360547	hyper	sig	chr6_41638044
chr13	1.12E+08	112105378	+	7.373E-28	4.2927E-26	0.424756	hyper	sig	chr13_112105378
chr10	50024989	50024989	+	7.381E-28	4.297E-26	0.319663	hyper	sig	chr10_50024989
chr1	2.38E+08	237890528	+	7.387E-28	4.3004E-26	-0.29057	hypo	sig	chr1_237890528

chr7	28410278	28410278	+	7.39E-28	4.3018E-26	0.338473	hyper	sig	chr7_28410278
chr16	86565568	86565568	+	7.395E-28	4.3037E-26	0.309626	hyper	sig	chr16_86565568
chr4	1.07E+08	107035910	+	7.394E-28	4.3037E-26	0.334522	hyper	sig	chr4_107035910
chr15	88742574	88742574	+	7.399E-28	4.3058E-26	-0.32842	hypo	sig	chr15_88742574
chr1	1.08E+08	107964456	+	7.448E-28	4.334E-26	0.262475	hyper	sig	chr1_107964456
chr11	27721981	27721981	+	7.457E-28	4.3392E-26	0.275746	hyper	sig	chr11_27721981
chr8	23573396	23573396	+	7.473E-28	4.3479E-26	0.301078	hyper	sig	chr8_23573396
chr6	33163968	33163968	+	7.488E-28	4.3565E-26	-0.30816	hypo	sig	chr6_33163968
chr6	86937022	86937022	+	7.491E-28	4.3578E-26	0.40827	hyper	sig	chr6_86937022
chr12	1.25E+08	124608014	+	7.498E-28	4.3617E-26	-0.30832	hypo	sig	chr12_124608014
chr2	1.81E+08	181457130	+	7.517E-28	4.3725E-26	0.248192	hyper	sig	chr2_181457130
chr2	2.39E+08	238586542	+	7.519E-28	4.3734E-26	0.250218	hyper	sig	chr2_238586542
chr11	20601739	20601739	+	7.527E-28	4.3775E-26	0.347764	hyper	sig	chr11_20601739
chr22	38239734	38239734	+	7.531E-28	4.3799E-26	0.287759	hyper	sig	chr22_38239734
chr20	21713680	21713680	+	7.539E-28	4.3839E-26	0.344768	hyper	sig	chr20_21713680
chr20	62568816	62568816	+	7.542E-28	4.3853E-26	-0.35016	hypo	sig	chr20_62568816
chr1	1.8E+08	180157385	+	7.551E-28	4.3902E-26	-0.35495	hypo	sig	chr1_180157385
chr19	3383592	3383592	+	7.558E-28	4.3941E-26	0.328966	hyper	sig	chr19_3383592
chr6	30110587	30110587	+	7.56E-28	4.3952E-26	-0.42844	hypo	sig	chr6_30110587
chr6	28775797	28775797	+	7.568E-28	4.3996E-26	0.281098	hyper	sig	chr6_28775797
chr11	47391536	47391536	+	7.586E-28	4.4096E-26	-0.31821	hypo	sig	chr11_47391536
chr11	8019035	8019035	+	7.59E-28	4.4115E-26	0.260659	hyper	sig	chr11_8019035
chr1	1.47E+08	147072690	+	7.593E-28	4.4131E-26	0.349292	hyper	sig	chr1_147072690
chr2	2.35E+08	235027776	+	7.595E-28	4.4135E-26	-0.30862	hypo	sig	chr2_235027776
chr3	1.84E+08	184492313	+	7.604E-28	4.4187E-26	0.368894	hyper	sig	chr3_184492313
chr7	1.22E+08	122316739	+	7.617E-28	4.4259E-26	0.253974	hyper	sig	chr7_122316739
chr6	10385604	10385604	+	7.621E-28	4.4277E-26	0.344126	hyper	sig	chr6_10385604
chr5	58583652	58583652	+	7.624E-28	4.4293E-26	0.339432	hyper	sig	chr5_58583652
chr6	10882900	10882900	+	7.63E-28	4.4326E-26	0.336447	hyper	sig	chr6_10882900
chr5	3591126	3591126	+	7.635E-28	4.4353E-26	0.310686	hyper	sig	chr5_3591126
chr5	1.29E+08	128536636	+	7.637E-28	4.4357E-26	0.33619	hyper	sig	chr5_128536636
chr15	99062170	99062170	+	7.66E-28	4.4492E-26	-0.29697	hypo	sig	chr15_99062170
chr1	2496688	2496688	+	7.682E-28	4.4612E-26	-0.41613	hypo	sig	chr1_2496688
chr4	2430215	2430215	+	7.7E-28	4.4717E-26	-0.43931	hypo	sig	chr4_2430215
chr17	80478206	80478206	+	7.708E-28	4.476E-26	0.340736	hyper	sig	chr17_80478206
chr17	14298423	14298423	+	7.725E-28	4.4855E-26	0.38148	hyper	sig	chr17_14298423
chr1	1.65E+08	164576316	+	7.729E-28	4.4876E-26	0.440619	hyper	sig	chr1_164576316
chr7	35257468	35257468	+	7.736E-28	4.491E-26	0.328354	hyper	sig	chr7_35257468
chr5	1.41E+08	141051377	+	7.736E-28	4.491E-26	0.338423	hyper	sig	chr5_141051377
chr8	1.44E+08	144046770	+	7.737E-28	4.4913E-26	-0.43294	hypo	sig	chr8_144046770
chr2	1.32E+08	132257211	+	7.743E-28	4.4942E-26	0.412611	hyper	sig	chr2_132257211
chr2	2.33E+08	233060386	+	7.748E-28	4.4968E-26	-0.39	hypo	sig	chr2_233060386
chr14	76138814	76138814	+	7.752E-28	4.4986E-26	0.367817	hyper	sig	chr14_76138814
chr20	46057428	46057428	+	7.752E-28	4.4986E-26	0.322312	hyper	sig	chr20_46057428
chr1	2.33E+08	232805454	+	7.764E-28	4.5049E-26	0.207321	hyper	sig	chr1_232805454
chr2	1.19E+08	118845544	+	7.78E-28	4.5143E-26	0.378125	hyper	sig	chr2_118845544
chr10	1.29E+08	129033204	+	7.79E-28	4.5196E-26	0.35306	hyper	sig	chr10_129033204
chr5	1.41E+08	141398829	+	7.79E-28	4.5196E-26	0.298406	hyper	sig	chr5_141398829
chr19	15911756	15911756	+	7.792E-28	4.5201E-26	0.340285	hyper	sig	chr19_15911756
chr20	21105380	21105380	+	7.802E-28	4.5253E-26	0.305624	hyper	sig	chr20_21105380
chr8	1.43E+08	143213018	+	7.823E-28	4.5376E-26	-0.36894	hypo	sig	chr8_143213018
chr11	1.23E+08	123431851	+	7.831E-28	4.5421E-26	-0.31132	hypo	sig	chr11_123431851
chr21	41690034	41690034	+	7.834E-28	4.5431E-26	-0.25721	hypo	sig	chr21_41690034
chr4	1.11E+08	110628793	+	7.849E-28	4.5514E-26	0.324522	hyper	sig	chr4_110628793
chr7	70596630	70596630	+	7.85E-28	4.5518E-26	-0.28604	hypo	sig	chr7_70596630
chr17	42185393	42185393	+	7.898E-28	4.5795E-26	-0.35473	hypo	sig	chr17_42185393

chr6	1.66E+08	165661987	+	7.903E-28	4.582E-26	0.297441	hyper	sig	chr6_165661987
chr11	43581364	43581364	+	7.905E-28	4.5826E-26	0.339204	hyper	sig	chr11_43581364
chr14	41605385	41605385	+	7.919E-28	4.5905E-26	0.249233	hyper	sig	chr14_41605385
chr3	1.47E+08	147391140	+	7.928E-28	4.5956E-26	0.312056	hyper	sig	chr3_147391140
chr1	41479042	41479042	+	7.929E-28	4.5957E-26	0.351863	hyper	sig	chr1_41479042
chr4	4861592	4861592	+	7.93E-28	4.5961E-26	0.251424	hyper	sig	chr4_4861592
chr13	1.13E+08	113420082	+	7.933E-28	4.5972E-26	-0.31975	hypo	sig	chr13_113420082
chr7	1.02E+08	102176070	+	7.94E-28	4.6011E-26	0.263383	hyper	sig	chr7_102176070
chr2	2.38E+08	237590821	+	7.945E-28	4.6038E-26	-0.30892	hypo	sig	chr2_237590821
chr4	2812395	2812395	+	7.954E-28	4.6085E-26	-0.33818	hypo	sig	chr4_2812395
chr1	47434496	47434496	+	7.96E-28	4.6114E-26	0.267276	hyper	sig	chr1_47434496
chr12	4911517	4911517	+	7.972E-28	4.6181E-26	0.403047	hyper	sig	chr12_4911517
chr9	1.1E+08	109643242	+	7.973E-28	4.6182E-26	-0.39684	hypo	sig	chr9_109643242
chr20	45842429	45842429	+	7.986E-28	4.6255E-26	0.337642	hyper	sig	chr20_45842429
chr11	20669229	20669229	+	7.997E-28	4.6316E-26	0.372028	hyper	sig	chr11_20669229
chr20	44356290	44356290	+	8.003E-28	4.6343E-26	-0.39561	hypo	sig	chr20_44356290
chr1	22955329	22955329	+	8.029E-28	4.6494E-26	-0.33676	hypo	sig	chr1_22955329
chr17	30559072	30559072	+	8.036E-28	4.653E-26	-0.32639	hypo	sig	chr17_30559072
chr8	96531933	96531933	+	8.037E-28	4.6531E-26	-0.25198	hypo	sig	chr8_96531933
chr2	1654394	1654394	+	8.044E-28	4.6569E-26	-0.39232	hypo	sig	chr2_1654394
chr20	46057424	46057424	+	8.054E-28	4.6626E-26	0.304376	hyper	sig	chr20_46057424
chr19	54339181	54339181	+	8.055E-28	4.6627E-26	-0.39388	hypo	sig	chr19_54339181
chr2	96144231	96144231	+	8.068E-28	4.6697E-26	-0.30961	hypo	sig	chr2_96144231
chr5	51389820	51389820	+	8.093E-28	4.6839E-26	0.27081	hyper	sig	chr5_51389820
chr6	1.68E+08	168377146	+	8.102E-28	4.6887E-26	-0.29918	hypo	sig	chr6_168377146
chr2	44928653	44928653	+	8.15E-28	4.7162E-26	0.288566	hyper	sig	chr2_44928653
chr15	37098125	37098125	+	8.167E-28	4.726E-26	0.37756	hyper	sig	chr15_37098125
chr12	54090506	54090506	+	8.169E-28	4.7267E-26	0.313466	hyper	sig	chr12_54090506
chr8	6563048	6563048	+	8.201E-28	4.7446E-26	0.374002	hyper	sig	chr8_6563048
chr13	1.02E+08	102400553	+	8.208E-28	4.7488E-26	0.339453	hyper	sig	chr13_102400553
chr11	8169082	8169082	+	8.242E-28	4.7679E-26	0.273198	hyper	sig	chr11_8169082
chr3	49719123	49719123	+	8.256E-28	4.7756E-26	0.24368	hyper	sig	chr3_49719123
chr22	46374706	46374706	+	8.265E-28	4.7805E-26	-0.39182	hypo	sig	chr22_46374706
chr19	15511907	15511907	+	8.271E-28	4.7839E-26	-0.40808	hypo	sig	chr19_15511907
chr11	32429045	32429045	+	8.274E-28	4.7848E-26	0.280905	hyper	sig	chr11_32429045
chr1	1.14E+08	114154265	+	8.283E-28	4.7899E-26	0.294764	hyper	sig	chr1_114154265
chr1	2.15E+08	215082255	+	8.284E-28	4.7902E-26	0.343678	hyper	sig	chr1_215082255
chr15	99118144	99118144	+	8.287E-28	4.7915E-26	0.308848	hyper	sig	chr15_99118144
chr3	27729504	27729504	+	8.292E-28	4.794E-26	0.251703	hyper	sig	chr3_27729504
chr2	1.3E+08	129587539	+	8.311E-28	4.8046E-26	0.415859	hyper	sig	chr2_129587539
chr20	21509565	21509565	+	8.33E-28	4.8154E-26	0.311861	hyper	sig	chr20_21509565
chr1	981863	981863	+	8.333E-28	4.817E-26	-0.42492	hypo	sig	chr1_981863
chr13	78607981	78607981	+	8.349E-28	4.8259E-26	0.399556	hyper	sig	chr13_78607981
chr15	76136810	76136810	+	8.355E-28	4.829E-26	-0.31615	hypo	sig	chr15_76136810
chr17	4786360	4786360	+	8.36E-28	4.8313E-26	0.270254	hyper	sig	chr17_4786360
chr2	2.34E+08	233939192	+	8.365E-28	4.834E-26	0.347251	hyper	sig	chr2_233939192
chr16	84795382	84795382	+	8.375E-28	4.8391E-26	0.27659	hyper	sig	chr16_84795382
chr5	1794225	1794225	+	8.38E-28	4.842E-26	-0.32258	hypo	sig	chr5_1794225
chr7	54542260	54542260	+	8.386E-28	4.8452E-26	0.344119	hyper	sig	chr7_54542260
chr10	50024783	50024783	+	8.391E-28	4.8474E-26	0.294797	hyper	sig	chr10_50024783
chr20	57326898	57326898	+	8.428E-28	4.8687E-26	-0.36067	hypo	sig	chr20_57326898
chr4	4226481	4226481	+	8.466E-28	4.89E-26	0.296687	hyper	sig	chr4_4226481
chr5	1.78E+08	178326257	+	8.487E-28	4.9018E-26	0.294235	hyper	sig	chr5_178326257
chr1	12596119	12596119	+	8.497E-28	4.9075E-26	0.25487	hyper	sig	chr1_12596119
chr12	1.31E+08	130711920	+	8.522E-28	4.9212E-26	-0.33782	hypo	sig	chr12_130711920
chr13	52848580	52848580	+	8.546E-28	4.9347E-26	0.273554	hyper	sig	chr13_52848580

chr5	1.81E+08	181173915	+	8.562E-28	4.944E-26	0.246024	hyper	sig	chr5_181173915
chr10	93066557	93066557	+	8.593E-28	4.9616E-26	0.442665	hyper	sig	chr10_93066557
chr19	39507650	39507650	+	8.598E-28	4.9638E-26	0.272106	hyper	sig	chr19_39507650
chr7	868112	868112	+	8.614E-28	4.9727E-26	0.373113	hyper	sig	chr7_868112
chr3	1.5E+08	149657009	+	8.624E-28	4.978E-26	0.306513	hyper	sig	chr3_149657009
chr2	47573265	47573265	+	8.648E-28	4.9918E-26	-0.31244	hypo	sig	chr2_47573265
chr1	1.81E+08	181483705	+	8.667E-28	5.0026E-26	0.295265	hyper	sig	chr1_181483705
chr15	93900154	93900154	+	8.69E-28	5.0153E-26	-0.28127	hypo	sig	chr15_93900154
chr1	2.21E+08	220895607	+	8.693E-28	5.0164E-26	0.373108	hyper	sig	chr1_220895607
chr7	4810714	4810714	+	8.7E-28	5.0206E-26	-0.31742	hypo	sig	chr7_4810714
chr20	56344232	56344232	+	8.706E-28	5.0232E-26	0.288643	hyper	sig	chr20_56344232
chr13	52848642	52848642	+	8.73E-28	5.0371E-26	0.253163	hyper	sig	chr13_52848642
chr7	55018469	55018469	+	8.745E-28	5.0455E-26	0.300739	hyper	sig	chr7_55018469
chr7	1.22E+08	122310375	+	8.767E-28	5.0576E-26	0.248726	hyper	sig	chr7_122310375
chr5	1.16E+08	115816763	+	8.786E-28	5.068E-26	0.322075	hyper	sig	chr5_115816763
chr4	3766853	3766853	+	8.79E-28	5.0701E-26	0.318911	hyper	sig	chr4_3766853
chr13	1.02E+08	101916534	+	8.812E-28	5.0824E-26	0.359889	hyper	sig	chr13_101916534
chr1	15605939	15605939	+	8.82E-28	5.0865E-26	-0.31986	hypo	sig	chr1_15605939
chr19	57709450	57709450	+	8.828E-28	5.091E-26	0.279943	hyper	sig	chr19_57709450
chr2	1.74E+08	174329026	+	8.847E-28	5.1015E-26	0.336382	hyper	sig	chr2_174329026
chr7	1.57E+08	157020280	+	8.863E-28	5.1102E-26	0.332708	hyper	sig	chr7_157020280
chr14	37585540	37585540	+	8.867E-28	5.1121E-26	0.234319	hyper	sig	chr14_37585540
chr19	17282081	17282081	+	8.875E-28	5.1163E-26	0.227442	hyper	sig	chr19_17282081
chr7	1.49E+08	149415236	+	8.915E-28	5.139E-26	0.305681	hyper	sig	chr7_149415236
chr10	27746251	27746251	+	8.949E-28	5.1583E-26	0.26232	hyper	sig	chr10_27746251
chr8	1931517	1931517	+	8.955E-28	5.1614E-26	-0.3003	hypo	sig	chr8_1931517
chr1	2.14E+08	214303887	+	8.96E-28	5.164E-26	0.315557	hyper	sig	chr1_214303887
chr3	1.38E+08	137763094	+	8.961E-28	5.1641E-26	0.304276	hyper	sig	chr3_137763094
chr5	64506664	64506664	+	9.037E-28	5.2072E-26	0.237962	hyper	sig	chr5_64506664
chr2	23617717	23617717	+	9.051E-28	5.2152E-26	0.331855	hyper	sig	chr2_23617717
chr1	50428016	50428016	+	9.076E-28	5.2292E-26	0.26897	hyper	sig	chr1_50428016
chr12	1.24E+08	124388787	+	9.088E-28	5.2359E-26	0.330672	hyper	sig	chr12_124388787
chr13	52849872	52849872	+	9.094E-28	5.2385E-26	0.289825	hyper	sig	chr13_52849872
chr1	1.11E+08	110675457	+	9.098E-28	5.2404E-26	0.377495	hyper	sig	chr1_110675457
chr15	1.02E+08	101554398	+	9.134E-28	5.2608E-26	0.35034	hyper	sig	chr15_101554398
chr8	56445765	56445765	+	9.141E-28	5.2645E-26	0.323936	hyper	sig	chr8_56445765
chr5	1.69E+08	168529947	+	9.143E-28	5.2657E-26	0.324831	hyper	sig	chr5_168529947
chr1	80050937	80050937	+	9.148E-28	5.268E-26	-0.35105	hypo	sig	chr1_80050937
chr11	66543872	66543872	+	9.149E-28	5.2684E-26	0.317305	hyper	sig	chr11_66543872
chr15	83284044	83284044	+	9.155E-28	5.271E-26	0.357704	hyper	sig	chr15_83284044
chr1	1.44E+08	143662006	+	9.171E-28	5.28E-26	0.282414	hyper	sig	chr1_143662006
chr2	88017335	88017335	+	9.175E-28	5.2823E-26	-0.2734	hypo	sig	chr2_88017335
chr13	28532896	28532896	+	9.194E-28	5.2923E-26	0.289862	hyper	sig	chr13_28532896
chr13	77918611	77918611	+	9.229E-28	5.3124E-26	0.321557	hyper	sig	chr13_77918611
chr7	1.43E+08	142856370	+	9.232E-28	5.3139E-26	-0.3221	hypo	sig	chr7_142856370
chr6	1.67E+08	167122761	+	9.269E-28	5.3343E-26	-0.38237	hypo	sig	chr6_167122761
chr1	2E+08	200041580	+	9.293E-28	5.3483E-26	0.336069	hyper	sig	chr1_200041580
chr5	1.41E+08	141476902	+	9.336E-28	5.3721E-26	0.216517	hyper	sig	chr5_141476902
chr5	1.41E+08	140672475	+	9.339E-28	5.3735E-26	0.334655	hyper	sig	chr5_140672475
chr6	1.37E+08	137498034	+	9.348E-28	5.3788E-26	0.254535	hyper	sig	chr6_137498034
chr7	1.28E+08	128270892	+	9.356E-28	5.3826E-26	0.308868	hyper	sig	chr7_128270892
chr3	1.58E+08	158102852	+	9.36E-28	5.3849E-26	0.370532	hyper	sig	chr3_158102852
chr11	32438054	32438054	+	9.371E-28	5.3908E-26	0.32081	hyper	sig	chr11_32438054
chr12	4909287	4909287	+	9.383E-28	5.3969E-26	0.394944	hyper	sig	chr12_4909287
chr12	1.3E+08	130336908	+	9.383E-28	5.397E-26	-0.33172	hypo	sig	chr12_130336908
chr1	3356098	3356098	+	9.386E-28	5.3979E-26	-0.26869	hypo	sig	chr1_3356098

chr17	82297543	82297543	+	9.386E-28	5.3979E-26	-0.23778	hypo	sig	chr17_82297543
chr12	1.07E+08	106585284	+	9.391E-28	5.4001E-26	0.31977	hyper	sig	chr12_106585284
chr4	1.13E+08	112520788	+	9.423E-28	5.4185E-26	0.345645	hyper	sig	chr4_112520788
chr11	1481952	1481952	+	9.426E-28	5.4197E-26	0.316595	hyper	sig	chr11_1481952
chr5	1.59E+08	159097322	+	9.455E-28	5.4357E-26	0.343602	hyper	sig	chr5_159097322
chr17	35488459	35488459	+	9.458E-28	5.4374E-26	0.296082	hyper	sig	chr17_35488459
chr10	1182378	1182378	+	9.48E-28	5.4496E-26	-0.38699	hypo	sig	chr10_1182378
chr16	1129514	1129514	+	9.498E-28	5.4593E-26	-0.34074	hypo	sig	chr16_1129514
chr7	1027778	1027778	+	9.506E-28	5.4634E-26	0.27766	hyper	sig	chr7_1027778
chr12	48184790	48184790	+	9.508E-28	5.4642E-26	0.368423	hyper	sig	chr12_48184790
chr2	2.39E+08	239250078	+	9.509E-28	5.4647E-26	0.364066	hyper	sig	chr2_239250078
chr14	75077601	75077601	+	9.527E-28	5.4743E-26	0.247126	hyper	sig	chr14_75077601
chr12	1.14E+08	114404186	+	9.53E-28	5.4754E-26	0.255892	hyper	sig	chr12_114404186
chr9	1.3E+08	129836607	+	9.529E-28	5.4754E-26	0.286687	hyper	sig	chr9_129836607
chr2	2.18E+08	218354945	+	9.566E-28	5.4955E-26	-0.38477	hypo	sig	chr2_218354945
chr1	9714725	9714725	+	9.574E-28	5.4996E-26	-0.30567	hypo	sig	chr1_9714725
chr19	15281148	15281148	+	9.591E-28	5.5092E-26	0.313848	hyper	sig	chr19_15281148
chr1	18112290	18112290	+	9.617E-28	5.5237E-26	-0.34095	hypo	sig	chr1_18112290
chr3	75655945	75655945	+	9.624E-28	5.5272E-26	0.331755	hyper	sig	chr3_75655945
chr3	1.38E+08	137761955	+	9.629E-28	5.5295E-26	0.349223	hyper	sig	chr3_137761955
chr2	31137940	31137940	+	9.657E-28	5.5451E-26	0.213465	hyper	sig	chr2_31137940
chr17	41583616	41583616	+	9.666E-28	5.5501E-26	-0.3437	hypo	sig	chr17_41583616
chr15	74818767	74818767	+	9.691E-28	5.5638E-26	-0.28905	hypo	sig	chr15_74818767
chr1	2.28E+08	228341232	+	9.707E-28	5.5731E-26	-0.36863	hypo	sig	chr1_228341232
chr19	46412507	46412507	+	9.716E-28	5.5778E-26	0.349652	hyper	sig	chr19_46412507
chr8	92101597	92101597	+	9.718E-28	5.5783E-26	0.309307	hyper	sig	chr8_92101597
chr6	72623115	72623115	+	9.721E-28	5.5799E-26	0.347611	hyper	sig	chr6_72623115
chr5	1.41E+08	141374343	+	9.756E-28	5.5992E-26	0.315627	hyper	sig	chr5_141374343
chr12	1.2E+08	120101333	+	9.768E-28	5.606E-26	0.304738	hyper	sig	chr12_120101333
chr17	1001083	1001083	+	9.774E-28	5.6087E-26	0.305602	hyper	sig	chr17_1001083
chr2	1.28E+08	127664852	+	9.774E-28	5.6087E-26	0.384867	hyper	sig	chr2_127664852
chr16	3939403	3939403	+	9.778E-28	5.6103E-26	0.385117	hyper	sig	chr16_3939403
chr5	55221038	55221038	+	9.78E-28	5.6107E-26	0.327865	hyper	sig	chr5_55221038
chr5	1.74E+08	173536032	+	9.78E-28	5.6107E-26	-0.29133	hypo	sig	chr5_173536032
chr11	19714707	19714707	+	9.785E-28	5.6132E-26	0.406269	hyper	sig	chr11_19714707
chr12	1.23E+08	123269742	+	9.805E-28	5.6241E-26	0.38187	hyper	sig	chr12_123269742
chr1	23981026	23981026	+	9.808E-28	5.6257E-26	-0.27125	hypo	sig	chr1_23981026
chr16	51151234	51151234	+	9.814E-28	5.6286E-26	0.365661	hyper	sig	chr16_51151234
chr12	1.25E+08	124501977	+	9.822E-28	5.633E-26	0.375366	hyper	sig	chr12_124501977
chr13	1.14E+08	114151760	+	9.875E-28	5.663E-26	-0.29577	hypo	sig	chr13_114151760
chr17	36946079	36946079	+	9.908E-28	5.6813E-26	0.318938	hyper	sig	chr17_36946079
chr19	36973522	36973522	+	9.917E-28	5.6863E-26	0.352903	hyper	sig	chr19_36973522
chr7	44327021	44327021	+	9.927E-28	5.6913E-26	-0.31288	hypo	sig	chr7_44327021
chr17	14298416	14298416	+	9.938E-28	5.6971E-26	0.386158	hyper	sig	chr17_14298416
chr8	56445692	56445692	+	9.942E-28	5.6993E-26	0.281302	hyper	sig	chr8_56445692
chr8	71558192	71558192	+	9.944E-28	5.6999E-26	0.287354	hyper	sig	chr8_71558192
chr3	75655841	75655841	+	9.957E-28	5.7072E-26	0.393563	hyper	sig	chr3_75655841
chr5	1.81E+08	181100611	+	9.973E-28	5.7159E-26	0.327801	hyper	sig	chr5_181100611
chr16	67964179	67964179	+	1.002E-27	5.7402E-26	0.360346	hyper	sig	chr16_67964179
chr20	56004714	56004714	+	1.003E-27	5.7497E-26	0.386708	hyper	sig	chr20_56004714
chr19	37551315	37551315	+	1.007E-27	5.7699E-26	0.416349	hyper	sig	chr19_37551315
chr13	77918532	77918532	+	1.007E-27	5.7707E-26	0.329838	hyper	sig	chr13_77918532
chr2	2.07E+08	206642458	+	1.007E-27	5.7721E-26	0.308991	hyper	sig	chr2_206642458
chr2	1.19E+08	118833582	+	1.008E-27	5.7739E-26	0.254784	hyper	sig	chr2_118833582
chr2	7767297	7767297	+	1.01E-27	5.7835E-26	0.341265	hyper	sig	chr2_7767297
chr2	68775086	68775086	+	1.01E-27	5.7865E-26	-0.41043	hypo	sig	chr2_68775086

chr16	3175053	3175053	+	1.01E-27	5.7871E-26	0.335487	hyper	sig	chr16_3175053
chr9	93953809	93953809	+	1.014E-27	5.8071E-26	0.362453	hyper	sig	chr9_93953809
chr17	82457593	82457593	+	1.016E-27	5.8196E-26	-0.28092	hypo	sig	chr17_82457593
chr6	31766079	31766079	+	1.02E-27	5.8418E-26	0.303967	hyper	sig	chr6_31766079
chr2	2.42E+08	241985699	+	1.023E-27	5.8548E-26	-0.45438	hypo	sig	chr2_241985699
chr10	48685504	48685504	+	1.027E-27	5.8775E-26	-0.31415	hypo	sig	chr10_48685504
chr16	87407789	87407789	+	1.031E-27	5.9037E-26	-0.40816	hypo	sig	chr16_87407789
chr9	16337096	16337096	+	1.036E-27	5.9292E-26	-0.27746	hypo	sig	chr9_16337096
chr6	1.7E+08	170096689	+	1.036E-27	5.9298E-26	0.369307	hyper	sig	chr6_170096689
chr8	66961932	66961932	+	1.04E-27	5.9552E-26	0.420909	hyper	sig	chr8_66961932
chr3	62377290	62377290	+	1.042E-27	5.9654E-26	0.352889	hyper	sig	chr3_62377290
chr8	37965917	37965917	+	1.044E-27	5.9731E-26	0.206093	hyper	sig	chr8_37965917
chr10	29470503	29470503	+	1.045E-27	5.9814E-26	0.322023	hyper	sig	chr10_29470503
chr1	2073785	2073785	+	1.046E-27	5.9863E-26	0.362358	hyper	sig	chr1_2073785
chr13	1.14E+08	114200836	+	1.046E-27	5.9863E-26	0.255171	hyper	sig	chr13_114200836
chr13	24746665	24746665	+	1.049E-27	6E-26	0.426355	hyper	sig	chr13_24746665
chr22	31104965	31104965	+	1.049E-27	6.0023E-26	0.394951	hyper	sig	chr22_31104965
chr1	8334017	8334017	+	1.05E-27	6.0063E-26	-0.28618	hypo	sig	chr1_8334017
chr12	29779114	29779114	+	1.053E-27	6.0256E-26	-0.36152	hypo	sig	chr12_29779114
chr12	47737661	47737661	+	1.055E-27	6.0317E-26	0.358036	hyper	sig	chr12_47737661
chr6	32061247	32061247	+	1.055E-27	6.032E-26	-0.30489	hypo	sig	chr6_32061247
chr17	4786025	4786025	+	1.057E-27	6.0446E-26	0.368763	hyper	sig	chr17_4786025
chr2	1.18E+08	118310364	+	1.06E-27	6.0592E-26	0.205166	hyper	sig	chr2_118310364
chr13	99991977	99991977	+	1.061E-27	6.0678E-26	0.270154	hyper	sig	chr13_99991977
chr16	5066724	5066724	+	1.061E-27	6.0684E-26	-0.33124	hypo	sig	chr16_5066724
chr4	65670832	65670832	+	1.062E-27	6.0731E-26	0.202452	hyper	sig	chr4_65670832
chr1	1.65E+08	165355239	+	1.064E-27	6.0803E-26	0.386905	hyper	sig	chr1_165355239
chr13	52740007	52740007	+	1.066E-27	6.092E-26	0.300934	hyper	sig	chr13_52740007
chr12	1.13E+08	113476040	+	1.066E-27	6.0935E-26	0.355135	hyper	sig	chr12_113476040
chr7	87599411	87599411	+	1.067E-27	6.0973E-26	-0.23081	hypo	sig	chr7_87599411
chr19	12195404	12195404	+	1.068E-27	6.1031E-26	0.299714	hyper	sig	chr19_12195404
chr19	58009689	58009689	+	1.069E-27	6.1071E-26	0.282839	hyper	sig	chr19_58009689
chr6	589266	589266	+	1.07E-27	6.1144E-26	0.231724	hyper	sig	chr6_589266
chr7	1.56E+08	155824639	+	1.071E-27	6.1204E-26	-0.29778	hypo	sig	chr7_155824639
chr7	97007304	97007304	+	1.073E-27	6.1292E-26	0.325298	hyper	sig	chr7_97007304
chr13	53200956	53200956	+	1.075E-27	6.1413E-26	0.309365	hyper	sig	chr13_53200956
chr12	6778372	6778372	+	1.076E-27	6.1474E-26	0.306289	hyper	sig	chr12_6778372
chr16	31471286	31471286	+	1.081E-27	6.1763E-26	0.309774	hyper	sig	chr16_31471286
chr7	1.59E+08	159145796	+	1.082E-27	6.1792E-26	0.399692	hyper	sig	chr7_159145796
chr3	1.29E+08	128507806	+	1.082E-27	6.1799E-26	-0.30907	hypo	sig	chr3_128507806
chr7	1736436	1736436	+	1.083E-27	6.1825E-26	-0.36237	hypo	sig	chr7_1736436
chr17	81330849	81330849	+	1.083E-27	6.1858E-26	-0.30446	hypo	sig	chr17_81330849
chr8	24914757	24914757	+	1.084E-27	6.1924E-26	0.281498	hyper	sig	chr8_24914757
chr4	4862575	4862575	+	1.085E-27	6.1926E-26	0.334157	hyper	sig	chr4_4862575
chr20	33672942	33672942	+	1.087E-27	6.2063E-26	0.315913	hyper	sig	chr20_33672942
chr11	2140699	2140699	+	1.087E-27	6.2069E-26	0.326927	hyper	sig	chr11_2140699
chr7	79454497	79454497	+	1.088E-27	6.2087E-26	0.412816	hyper	sig	chr7_79454497
chr7	1.54E+08	154305185	+	1.092E-27	6.2359E-26	0.37246	hyper	sig	chr7_154305185
chr11	95150323	95150323	+	1.093E-27	6.2376E-26	-0.38098	hypo	sig	chr11_95150323
chr16	89098600	89098600	+	1.095E-27	6.2497E-26	-0.266	hypo	sig	chr16_89098600
chr16	54932571	54932571	+	1.095E-27	6.25E-26	0.394543	hyper	sig	chr16_54932571
chr13	94968719	94968719	+	1.096E-27	6.2569E-26	0.346682	hyper	sig	chr13_94968719
chr19	19514552	19514552	+	1.097E-27	6.2623E-26	0.33531	hyper	sig	chr19_19514552
chr13	1.12E+08	112067847	+	1.098E-27	6.2637E-26	0.378563	hyper	sig	chr13_112067847
chr17	78577375	78577375	+	1.101E-27	6.2812E-26	-0.33238	hypo	sig	chr17_78577375
chr12	54090562	54090562	+	1.101E-27	6.2813E-26	0.334888	hyper	sig	chr12_54090562

chr19	53132859	53132859	+	1.102E-27	6.2872E-26	0.287456	hyper	sig	chr19_53132859
chr3	1.47E+08	147423485	+	1.105E-27	6.3032E-26	0.308538	hyper	sig	chr3_147423485
chr6	50850505	50850505	+	1.108E-27	6.3203E-26	0.289919	hyper	sig	chr6_50850505
chr19	56393710	56393710	+	1.11E-27	6.3313E-26	0.340763	hyper	sig	chr19_56393710
chr16	2163773	2163773	+	1.111E-27	6.3348E-26	-0.32938	hypo	sig	chr16_2163773
chr12	1.13E+08	113476071	+	1.111E-27	6.3373E-26	0.32762	hyper	sig	chr12_113476071
chr9	1.31E+08	130839799	+	1.112E-27	6.3381E-26	0.437017	hyper	sig	chr9_130839799
chr10	1.33E+08	132746648	+	1.113E-27	6.343E-26	0.262995	hyper	sig	chr10_132746648
chr6	1.66E+08	166009136	+	1.114E-27	6.3507E-26	0.319587	hyper	sig	chr6_166009136
chr5	1.34E+08	134114028	+	1.115E-27	6.3547E-26	0.349469	hyper	sig	chr5_134114028
chr7	1.56E+08	156104346	+	1.116E-27	6.3627E-26	-0.36926	hypo	sig	chr7_156104346
chr12	54128023	54128023	+	1.117E-27	6.3648E-26	-0.29691	hypo	sig	chr12_54128023
chr8	1.41E+08	141207294	+	1.117E-27	6.3685E-26	-0.37173	hypo	sig	chr8_141207294
chr19	49142942	49142942	+	1.12E-27	6.3847E-26	0.215927	hyper	sig	chr19_49142942
chr16	2185053	2185053	+	1.12E-27	6.3849E-26	-0.34571	hypo	sig	chr16_2185053
chr16	22371402	22371402	+	1.122E-27	6.3918E-26	-0.32326	hypo	sig	chr16_22371402
chr7	2730047	2730047	+	1.123E-27	6.3988E-26	0.295608	hyper	sig	chr7_2730047
chr11	20597550	20597550	+	1.126E-27	6.4136E-26	0.35106	hyper	sig	chr11_20597550
chr9	1.21E+08	120878160	+	1.13E-27	6.4386E-26	-0.31418	hypo	sig	chr9_120878160
chr2	3649937	3649937	+	1.131E-27	6.4426E-26	-0.28784	hypo	sig	chr2_3649937
chr16	55656546	55656546	+	1.132E-27	6.4505E-26	0.298009	hyper	sig	chr16_55656546
chr17	76688504	76688504	+	1.134E-27	6.4582E-26	0.373148	hyper	sig	chr17_76688504
chr13	27979695	27979695	+	1.139E-27	6.4895E-26	0.310509	hyper	sig	chr13_27979695
chr20	58514897	58514897	+	1.139E-27	6.4895E-26	0.36077	hyper	sig	chr20_58514897
chr13	99989138	99989138	+	1.143E-27	6.5118E-26	0.238338	hyper	sig	chr13_99989138
chr14	36655852	36655852	+	1.144E-27	6.5142E-26	0.353321	hyper	sig	chr14_36655852
chr7	1.01E+08	101303487	+	1.147E-27	6.5306E-26	0.427936	hyper	sig	chr7_101303487
chr17	673354	673354	+	1.148E-27	6.5385E-26	0.282934	hyper	sig	chr17_673354
chr10	1.03E+08	102869108	+	1.149E-27	6.5411E-26	0.352478	hyper	sig	chr10_102869108
chr6	32058090	32058090	+	1.152E-27	6.5593E-26	-0.32487	hypo	sig	chr6_32058090
chr2	1.13E+08	113275808	+	1.154E-27	6.5685E-26	0.317842	hyper	sig	chr2_113275808
chr3	4977148	4977148	+	1.157E-27	6.583E-26	-0.29372	hypo	sig	chr3_4977148
chr1	1924649	1924649	+	1.158E-27	6.5911E-26	-0.2517	hypo	sig	chr1_1924649
chr9	91421181	91421181	+	1.159E-27	6.5933E-26	0.289835	hyper	sig	chr9_91421181
chr1	9719236	9719236	+	1.16E-27	6.6006E-26	-0.29768	hypo	sig	chr1_9719236
chr7	79454499	79454499	+	1.16E-27	6.6012E-26	0.417931	hyper	sig	chr7_79454499
chr5	1665559	1665559	+	1.16E-27	6.6022E-26	-0.36202	hypo	sig	chr5_1665559
chr6	98842759	98842759	+	1.166E-27	6.6348E-26	0.341768	hyper	sig	chr6_98842759
chr12	1.24E+08	124426746	+	1.173E-27	6.6723E-26	0.301669	hyper	sig	chr12_124426746
chr2	2.37E+08	237413606	+	1.176E-27	6.6883E-26	0.406388	hyper	sig	chr2_237413606
chr2	2.38E+08	237886253	+	1.176E-27	6.6905E-26	0.333076	hyper	sig	chr2_237886253
chr11	1.19E+08	119422099	+	1.181E-27	6.7154E-26	0.243207	hyper	sig	chr11_119422099
chr1	98048712	98048712	+	1.181E-27	6.7169E-26	0.318328	hyper	sig	chr1_98048712
chr7	54638214	54638214	+	1.183E-27	6.7254E-26	-0.34237	hypo	sig	chr7_54638214
chr8	1.04E+08	104466445	+	1.184E-27	6.731E-26	0.402157	hyper	sig	chr8_104466445
chr22	43862771	43862771	+	1.189E-27	6.7588E-26	0.317077	hyper	sig	chr22_43862771
chr17	35490143	35490143	+	1.189E-27	6.7595E-26	0.35121	hyper	sig	chr17_35490143
chr6	30111659	30111659	+	1.191E-27	6.7682E-26	-0.30696	hypo	sig	chr6_30111659
chr11	1.34E+08	134069775	+	1.191E-27	6.7697E-26	0.396011	hyper	sig	chr11_134069775
chr1	7782346	7782346	+	1.192E-27	6.7773E-26	-0.37299	hypo	sig	chr1_7782346
chr11	66868885	66868885	+	1.195E-27	6.7899E-26	-0.26514	hypo	sig	chr11_66868885
chr7	4739651	4739651	+	1.2E-27	6.8202E-26	0.321481	hyper	sig	chr7_4739651
chr14	94773414	94773414	+	1.202E-27	6.8317E-26	0.33802	hyper	sig	chr14_94773414
chr1	1.47E+08	147073175	+	1.204E-27	6.8404E-26	0.29877	hyper	sig	chr1_147073175
chr10	1.33E+08	132943084	+	1.208E-27	6.8637E-26	0.458881	hyper	sig	chr10_132943084
chr13	95552926	95552926	+	1.21E-27	6.8746E-26	0.444163	hyper	sig	chr13_95552926

chr10	79394425	79394425	+	1.217E-27	6.9116E-26	-0.35065	hypo	sig	chr10_79394425
chr7	32318719	32318719	+	1.217E-27	6.9116E-26	0.390959	hyper	sig	chr7_32318719
chr12	1.23E+08	123269805	+	1.217E-27	6.9143E-26	0.405292	hyper	sig	chr12_123269805
chr17	58220082	58220082	+	1.219E-27	6.9232E-26	-0.39595	hypo	sig	chr17_58220082
chr1	2.21E+08	220882203	+	1.22E-27	6.9274E-26	0.374853	hyper	sig	chr1_220882203
chr1	47445310	47445310	+	1.225E-27	6.9583E-26	0.257274	hyper	sig	chr1_47445310
chr2	2.2E+08	219553093	+	1.227E-27	6.9694E-26	0.322463	hyper	sig	chr2_219553093
chr1	1.65E+08	165355229	+	1.229E-27	6.9789E-26	0.372554	hyper	sig	chr1_165355229
chr4	55125106	55125106	+	1.231E-27	6.9872E-26	0.39931	hyper	sig	chr4_55125106
chr20	46550706	46550706	+	1.232E-27	6.9936E-26	-0.3294	hypo	sig	chr20_46550706
chr7	97007462	97007462	+	1.232E-27	6.9947E-26	0.359496	hyper	sig	chr7_97007462
chr18	78312986	78312986	+	1.233E-27	6.9974E-26	-0.37366	hypo	sig	chr18_78312986
chr1	1.19E+08	119000434	+	1.237E-27	7.0213E-26	0.330302	hyper	sig	chr1_119000434
chr11	20669224	20669224	+	1.238E-27	7.0251E-26	0.363595	hyper	sig	chr11_20669224
chr16	70686507	70686507	+	1.242E-27	7.0453E-26	0.339907	hyper	sig	chr16_70686507
chr6	44342683	44342683	+	1.242E-27	7.0489E-26	0.241677	hyper	sig	chr6_44342683
chr5	1.41E+08	141345686	+	1.255E-27	7.12E-26	0.309715	hyper	sig	chr5_141345686
chr16	30821211	30821211	+	1.255E-27	7.1223E-26	-0.38657	hypo	sig	chr16_30821211
chr13	1.12E+08	111918136	+	1.256E-27	7.1261E-26	-0.34126	hypo	sig	chr13_111918136
chr8	21788709	21788709	+	1.257E-27	7.1294E-26	0.261917	hyper	sig	chr8_21788709
chr6	1.52E+08	151807336	+	1.258E-27	7.1343E-26	0.309444	hyper	sig	chr6_151807336
chr6	38174103	38174103	+	1.258E-27	7.1353E-26	-0.32193	hypo	sig	chr6_38174103
chr2	1E+08	100322572	+	1.258E-27	7.1366E-26	0.331672	hyper	sig	chr2_100322572
chr2	73292951	73292951	+	1.26E-27	7.1442E-26	0.293916	hyper	sig	chr2_73292951
chr1	1.19E+08	118983854	+	1.265E-27	7.1746E-26	0.434032	hyper	sig	chr1_118983854
chr11	94401566	94401566	+	1.265E-27	7.1746E-26	0.387183	hyper	sig	chr11_94401566
chr19	35558478	35558478	+	1.268E-27	7.1917E-26	0.347393	hyper	sig	chr19_35558478
chr5	1.75E+08	174731954	+	1.269E-27	7.1941E-26	0.327244	hyper	sig	chr5_174731954
chr8	96494023	96494023	+	1.27E-27	7.2024E-26	0.213974	hyper	sig	chr8_96494023
chr11	24496783	24496783	+	1.271E-27	7.2054E-26	0.262583	hyper	sig	chr11_24496783
chr6	1.27E+08	127119884	+	1.272E-27	7.2119E-26	0.267328	hyper	sig	chr6_127119884
chr10	8046936	8046936	+	1.273E-27	7.2127E-26	0.301754	hyper	sig	chr10_8046936
chr7	43444440	43444440	+	1.276E-27	7.2336E-26	-0.35761	hypo	sig	chr7_43444440
chr7	4267821	4267821	+	1.278E-27	7.2411E-26	0.255673	hyper	sig	chr7_4267821
chr2	2.06E+08	206274430	+	1.278E-27	7.2419E-26	0.243375	hyper	sig	chr2_206274430
chr7	1.56E+08	155509222	+	1.278E-27	7.2426E-26	0.216689	hyper	sig	chr7_155509222
chr17	81349053	81349053	+	1.279E-27	7.2496E-26	-0.35688	hypo	sig	chr17_81349053
chr1	18631593	18631593	+	1.28E-27	7.2502E-26	0.271763	hyper	sig	chr1_18631593
chr10	1.33E+08	133087708	+	1.28E-27	7.2502E-26	0.25916	hyper	sig	chr10_133087708
chr4	6028770	6028770	+	1.281E-27	7.2581E-26	-0.3516	hypo	sig	chr4_6028770
chr3	84958666	84958666	+	1.283E-27	7.2668E-26	0.228299	hyper	sig	chr3_84958666
chr7	1.22E+08	122310251	+	1.283E-27	7.2687E-26	0.299399	hyper	sig	chr7_122310251
chr17	42784731	42784731	+	1.285E-27	7.2797E-26	0.33369	hyper	sig	chr17_42784731
chr4	74037790	74037790	+	1.287E-27	7.286E-26	-0.22479	hypo	sig	chr4_74037790
chr6	30127740	30127740	+	1.288E-27	7.2926E-26	0.30776	hyper	sig	chr6_30127740
chr12	1.31E+08	130933512	+	1.291E-27	7.31E-26	-0.34089	hypo	sig	chr12_130933512
chr19	19860895	19860895	+	1.292E-27	7.3178E-26	0.386384	hyper	sig	chr19_19860895
chr10	8051453	8051453	+	1.296E-27	7.3377E-26	0.300942	hyper	sig	chr10_8051453
chr6	44342729	44342729	+	1.297E-27	7.3418E-26	0.268701	hyper	sig	chr6_44342729
chr7	32427865	32427865	+	1.297E-27	7.3418E-26	0.334739	hyper	sig	chr7_32427865
chr16	62036168	62036168	+	1.297E-27	7.344E-26	0.292438	hyper	sig	chr16_62036168
chr15	89360447	89360447	+	1.298E-27	7.3447E-26	0.343276	hyper	sig	chr15_89360447
chr19	21463607	21463607	+	1.298E-27	7.3447E-26	0.288058	hyper	sig	chr19_21463607
chr19	56671536	56671536	+	1.299E-27	7.3525E-26	0.330922	hyper	sig	chr19_56671536
chr13	78595737	78595737	+	1.299E-27	7.3529E-26	0.299613	hyper	sig	chr13_78595737
chr1	1.62E+08	161525146	+	1.306E-27	7.3914E-26	0.232174	hyper	sig	chr1_161525146

chr11	69817391	69817391	+	1.307E-27	7.3935E-26	0.248558	hyper	sig	chr11_69817391
chr3	62371271	62371271	+	1.307E-27	7.3965E-26	0.412343	hyper	sig	chr3_62371271
chr10	3127051	3127051	+	1.31E-27	7.4103E-26	0.364806	hyper	sig	chr10_3127051
chr7	1.28E+08	128270942	+	1.31E-27	7.4121E-26	0.33714	hyper	sig	chr7_128270942
chr15	47184816	47184816	+	1.312E-27	7.4239E-26	0.268522	hyper	sig	chr15_47184816
chr5	1.77E+08	176887230	+	1.316E-27	7.4439E-26	-0.35907	hypo	sig	chr5_176887230
chr7	1.59E+08	159065939	+	1.317E-27	7.4515E-26	-0.34931	hypo	sig	chr7_159065939
chr3	1.13E+08	113441602	+	1.319E-27	7.4593E-26	0.315086	hyper	sig	chr3_113441602
chr9	1.34E+08	134387635	+	1.322E-27	7.4754E-26	0.332399	hyper	sig	chr9_134387635
chr3	1.92E+08	192408476	+	1.322E-27	7.4759E-26	0.323991	hyper	sig	chr3_192408476
chr14	95877833	95877833	+	1.324E-27	7.4853E-26	-0.33969	hypo	sig	chr14_95877833
chr6	71886887	71886887	+	1.324E-27	7.4884E-26	0.451603	hyper	sig	chr6_71886887
chr2	1.61E+08	161426910	+	1.327E-27	7.5009E-26	0.257047	hyper	sig	chr2_161426910
chr1	2073815	2073815	+	1.332E-27	7.5298E-26	0.347369	hyper	sig	chr1_2073815
chr11	8168728	8168728	+	1.333E-27	7.5352E-26	0.360147	hyper	sig	chr11_8168728
chr16	4376408	4376408	+	1.334E-27	7.5377E-26	0.362314	hyper	sig	chr16_4376408
chr2	2.22E+08	222304722	+	1.336E-27	7.5492E-26	0.369471	hyper	sig	chr2_222304722
chr8	21788662	21788662	+	1.336E-27	7.5526E-26	0.257837	hyper	sig	chr8_21788662
chr13	67773154	67773154	+	1.337E-27	7.5541E-26	-0.40027	hypo	sig	chr13_67773154
chr11	43581342	43581342	+	1.337E-27	7.5549E-26	0.339043	hyper	sig	chr11_43581342
chr19	1272906	1272906	+	1.337E-27	7.5549E-26	0.321146	hyper	sig	chr19_1272906
chr4	1.47E+08	146640634	+	1.337E-27	7.555E-26	0.328184	hyper	sig	chr4_146640634
chr11	526483	526483	+	1.34E-27	7.5672E-26	-0.38915	hypo	sig	chr11_526483
chr4	1.33E+08	133148165	+	1.339E-27	7.5672E-26	0.254268	hyper	sig	chr4_133148165
chr19	3133505	3133505	+	1.341E-27	7.5727E-26	-0.33856	hypo	sig	chr19_3133505
chr6	1.27E+08	127119311	+	1.341E-27	7.5727E-26	0.316452	hyper	sig	chr6_127119311
chr7	4239753	4239753	+	1.342E-27	7.5789E-26	-0.34299	hypo	sig	chr7_4239753
chr19	16283678	16283678	+	1.343E-27	7.5858E-26	0.291572	hyper	sig	chr19_16283678
chr13	36432177	36432177	+	1.346E-27	7.5983E-26	0.278018	hyper	sig	chr13_36432177
chr5	1.56E+08	155729821	+	1.353E-27	7.6379E-26	0.292939	hyper	sig	chr5_155729821
chr16	54936534	54936534	+	1.354E-27	7.645E-26	0.27689	hyper	sig	chr16_54936534
chr8	1.43E+08	143494434	+	1.355E-27	7.6508E-26	0.405483	hyper	sig	chr8_143494434
chr7	1.43E+08	142857072	+	1.359E-27	7.6703E-26	-0.2907	hypo	sig	chr7_142857072
chr1	1.19E+08	118990209	+	1.361E-27	7.681E-26	0.277772	hyper	sig	chr1_118990209
chr13	21319291	21319291	+	1.361E-27	7.6847E-26	0.353958	hyper	sig	chr13_21319291
chr17	77408471	77408471	+	1.362E-27	7.6887E-26	0.456249	hyper	sig	chr17_77408471
chr1	1.19E+08	118984190	+	1.364E-27	7.6991E-26	0.368591	hyper	sig	chr1_118984190
chr9	1.31E+08	131270795	+	1.364E-27	7.6993E-26	-0.32842	hypo	sig	chr9_131270795
chr6	37705986	37705986	+	1.366E-27	7.71E-26	0.328844	hyper	sig	chr6_37705986
chr5	58583616	58583616	+	1.367E-27	7.7111E-26	0.248719	hyper	sig	chr5_58583616
chr16	86568789	86568789	+	1.368E-27	7.7197E-26	0.346117	hyper	sig	chr16_86568789
chr6	1.66E+08	165989170	+	1.368E-27	7.7207E-26	0.208769	hyper	sig	chr6_165989170
chr19	33619277	33619277	+	1.369E-27	7.7229E-26	-0.31468	hypo	sig	chr19_33619277
chr19	3881227	3881227	+	1.371E-27	7.7358E-26	0.321758	hyper	sig	chr19_3881227
chr8	1.4E+08	139663960	+	1.372E-27	7.7374E-26	-0.30966	hypo	sig	chr8_139663960
chr3	62370696	62370696	+	1.374E-27	7.7477E-26	0.358455	hyper	sig	chr3_62370696
chr9	1.37E+08	136739748	+	1.377E-27	7.7651E-26	-0.35201	hypo	sig	chr9_136739748
chr19	35032577	35032577	+	1.377E-27	7.7668E-26	-0.29851	hypo	sig	chr19_35032577
chr1	1.19E+08	119007202	+	1.379E-27	7.7792E-26	0.391481	hyper	sig	chr1_119007202
chr2	2.07E+08	206642443	+	1.381E-27	7.7863E-26	0.28332	hyper	sig	chr2_206642443
chr7	91265771	91265771	+	1.392E-27	7.8469E-26	0.347557	hyper	sig	chr7_91265771
chr10	23173296	23173296	+	1.393E-27	7.8532E-26	0.395992	hyper	sig	chr10_23173296
chr7	1.56E+08	155509241	+	1.393E-27	7.8544E-26	0.292366	hyper	sig	chr7_155509241
chr6	71420992	71420992	+	1.395E-27	7.8618E-26	0.280022	hyper	sig	chr6_71420992
chr2	2.34E+08	233728928	+	1.4E-27	7.8931E-26	-0.36643	hypo	sig	chr2_233728928
chr1	1.19E+08	119005920	+	1.402E-27	7.9047E-26	0.371683	hyper	sig	chr1_119005920

chr1	1.53E+08	153261866	+	1.408E-27	7.9349E-26	0.258775	hyper	sig	chr1_153261866
chr4	1405430	1405430	+	1.41E-27	7.9463E-26	0.36501	hyper	sig	chr4_1405430
chr7	1.04E+08	103989079	+	1.412E-27	7.9579E-26	0.290013	hyper	sig	chr7_103989079
chr6	1.37E+08	136923541	+	1.413E-27	7.9636E-26	0.406345	hyper	sig	chr6_136923541
chr4	80266075	80266075	+	1.414E-27	7.9654E-26	0.264661	hyper	sig	chr4_80266075
chr1	2274331	2274331	+	1.416E-27	7.9807E-26	0.331721	hyper	sig	chr1_2274331
chr7	1.51E+08	150954891	+	1.42E-27	8.0016E-26	0.279792	hyper	sig	chr7_150954891
chr8	42499363	42499363	+	1.422E-27	8.0114E-26	0.38012	hyper	sig	chr8_42499363
chr1	1.47E+08	147078411	+	1.428E-27	8.0441E-26	0.360071	hyper	sig	chr1_147078411
chr5	1.41E+08	141421194	+	1.428E-27	8.045E-26	0.335113	hyper	sig	chr5_141421194
chr3	78112988	78112988	+	1.429E-27	8.046E-26	-0.43114	hypo	sig	chr3_78112988
chr5	79690077	79690077	+	1.43E-27	8.052E-26	0.407047	hyper	sig	chr5_79690077
chr12	6620566	6620566	+	1.432E-27	8.0655E-26	0.320664	hyper	sig	chr12_6620566
chr1	16972045	16972045	+	1.433E-27	8.0675E-26	0.393994	hyper	sig	chr1_16972045
chr9	37026746	37026746	+	1.434E-27	8.0756E-26	0.349803	hyper	sig	chr9_37026746
chr8	47998174	47998174	+	1.436E-27	8.0844E-26	-0.33728	hypo	sig	chr8_47998174
chr2	1.28E+08	127700666	+	1.437E-27	8.0926E-26	-0.35883	hypo	sig	chr2_127700666
chr1	1.46E+08	146486781	+	1.44E-27	8.1093E-26	0.317062	hyper	sig	chr1_146486781
chr2	2.2E+08	219553124	+	1.441E-27	8.113E-26	0.255996	hyper	sig	chr2_219553124
chr5	1.73E+08	173020872	+	1.444E-27	8.1272E-26	0.303701	hyper	sig	chr5_173020872
chr13	27792677	27792677	+	1.45E-27	8.1631E-26	0.3813	hyper	sig	chr13_27792677
chr20	38807085	38807085	+	1.451E-27	8.1642E-26	0.251031	hyper	sig	chr20_38807085
chr3	68932883	68932883	+	1.452E-27	8.1703E-26	0.308677	hyper	sig	chr3_68932883
chr16	67884922	67884922	+	1.452E-27	8.1706E-26	0.383385	hyper	sig	chr16_67884922
chr17	80178475	80178475	+	1.453E-27	8.1749E-26	-0.30427	hypo	sig	chr17_80178475
chr5	1.76E+08	175773538	+	1.454E-27	8.1788E-26	0.239936	hyper	sig	chr5_175773538
chr19	21474815	21474815	+	1.458E-27	8.2038E-26	0.284305	hyper	sig	chr19_21474815
chr5	50969777	50969777	+	1.46E-27	8.2107E-26	0.230656	hyper	sig	chr5_50969777
chr4	13543663	13543663	+	1.462E-27	8.2227E-26	0.312394	hyper	sig	chr4_13543663
chr6	38174088	38174088	+	1.465E-27	8.241E-26	-0.31175	hypo	sig	chr6_38174088
chr6	1.65E+08	165333517	+	1.466E-27	8.2433E-26	-0.26371	hypo	sig	chr6_165333517
chr7	1.22E+08	122310228	+	1.466E-27	8.2471E-26	0.301023	hyper	sig	chr7_122310228
chr5	3592494	3592494	+	1.469E-27	8.2593E-26	0.271752	hyper	sig	chr5_3592494
chr17	38841407	38841407	+	1.472E-27	8.2772E-26	0.285682	hyper	sig	chr17_38841407
chr12	1.2E+08	120101313	+	1.473E-27	8.2838E-26	0.328508	hyper	sig	chr12_120101313
chr8	96159787	96159787	+	1.474E-27	8.2855E-26	0.334094	hyper	sig	chr8_96159787
chr1	2.31E+08	231160040	+	1.476E-27	8.2945E-26	-0.35938	hypo	sig	chr1_231160040
chr7	97024371	97024371	+	1.479E-27	8.3108E-26	0.334498	hyper	sig	chr7_97024371
chr1	1.59E+08	158777487	+	1.479E-27	8.3109E-26	-0.26075	hypo	sig	chr1_158777487
chr19	36253563	36253563	+	1.48E-27	8.317E-26	-0.33684	hypo	sig	chr19_36253563
chr4	1.74E+08	173527568	+	1.48E-27	8.3173E-26	0.339888	hyper	sig	chr4_173527568
chr5	1931478	1931478	+	1.48E-27	8.3188E-26	0.318166	hyper	sig	chr5_1931478
chr8	64371931	64371931	+	1.489E-27	8.366E-26	0.383715	hyper	sig	chr8_64371931
chr7	18087296	18087296	+	1.49E-27	8.3691E-26	0.287225	hyper	sig	chr7_18087296
chr7	70596598	70596598	+	1.491E-27	8.3762E-26	-0.28969	hypo	sig	chr7_70596598
chr7	97022811	97022811	+	1.492E-27	8.3838E-26	0.305989	hyper	sig	chr7_97022811
chr5	59894016	59894016	+	1.494E-27	8.3949E-26	0.261055	hyper	sig	chr5_59894016
chr14	94936851	94936851	+	1.495E-27	8.3997E-26	0.3646	hyper	sig	chr14_94936851
chr1	78491162	78491162	+	1.498E-27	8.4121E-26	0.338077	hyper	sig	chr1_78491162
chr10	99330774	99330774	+	1.498E-27	8.4154E-26	0.310667	hyper	sig	chr10_99330774
chr7	54542277	54542277	+	1.499E-27	8.4181E-26	0.346434	hyper	sig	chr7_54542277
chr11	1.11E+08	110712939	+	1.502E-27	8.4317E-26	0.300981	hyper	sig	chr11_110712939
chr5	1.79E+08	178941414	+	1.504E-27	8.4445E-26	0.405387	hyper	sig	chr5_178941414
chr19	1993076	1993076	+	1.505E-27	8.4487E-26	-0.32593	hypo	sig	chr19_1993076
chr11	69867825	69867825	+	1.507E-27	8.4592E-26	-0.32313	hypo	sig	chr11_69867825
chr10	1727383	1727383	+	1.51E-27	8.4744E-26	-0.30188	hypo	sig	chr10_1727383

chr1	15605946	15605946	+	1.51E-27	8.4778E-26	-0.30756	hypo	sig	chr1_15605946
chr21	37683952	37683952	+	1.513E-27	8.4926E-26	-0.35295	hypo	sig	chr21_37683952
chr17	7929873	7929873	+	1.513E-27	8.4932E-26	0.360962	hyper	sig	chr17_7929873
chr19	35225088	35225088	+	1.514E-27	8.4955E-26	0.368255	hyper	sig	chr19_35225088
chr1	99004603	99004603	+	1.514E-27	8.4971E-26	0.285154	hyper	sig	chr1_99004603
chr17	82242729	82242729	+	1.514E-27	8.4972E-26	0.383852	hyper	sig	chr17_82242729
chr3	1.47E+08	147391095	+	1.517E-27	8.5125E-26	0.34039	hyper	sig	chr3_147391095
chr19	7763258	7763258	+	1.519E-27	8.5208E-26	-0.34617	hypo	sig	chr19_7763258
chr11	8917708	8917708	+	1.519E-27	8.524E-26	0.332304	hyper	sig	chr11_8917708
chr1	2E+08	200035649	+	1.52E-27	8.528E-26	0.260233	hyper	sig	chr1_200035649
chr2	1.21E+08	120868160	+	1.524E-27	8.5508E-26	0.299413	hyper	sig	chr2_120868160
chr21	42838120	42838120	+	1.524E-27	8.5508E-26	0.33814	hyper	sig	chr21_42838120
chr5	1.71E+08	171309249	+	1.531E-27	8.5891E-26	0.338585	hyper	sig	chr5_171309249
chr8	76683887	76683887	+	1.533E-27	8.5971E-26	0.307608	hyper	sig	chr8_76683887
chr17	81026811	81026811	+	1.534E-27	8.6037E-26	0.336542	hyper	sig	chr17_81026811
chr14	85529311	85529311	+	1.536E-27	8.6127E-26	0.334664	hyper	sig	chr14_85529311
chr16	85335367	85335367	+	1.537E-27	8.6168E-26	-0.35871	hypo	sig	chr16_85335367
chr7	1.22E+08	122306951	+	1.537E-27	8.6172E-26	0.2668	hyper	sig	chr7_122306951
chr13	1.13E+08	112757209	+	1.542E-27	8.6434E-26	-0.32542	hypo	sig	chr13_112757209
chr15	82952209	82952209	+	1.543E-27	8.6498E-26	0.260843	hyper	sig	chr15_82952209
chr17	81472320	81472320	+	1.546E-27	8.6648E-26	0.355965	hyper	sig	chr17_81472320
chr13	21319113	21319113	+	1.546E-27	8.6674E-26	0.446026	hyper	sig	chr13_21319113
chr12	6057836	6057836	+	1.547E-27	8.6689E-26	0.347433	hyper	sig	chr12_6057836
chr5	51382629	51382629	+	1.55E-27	8.6877E-26	0.307031	hyper	sig	chr5_51382629
chr10	63132856	63132856	+	1.552E-27	8.6999E-26	-0.30217	hypo	sig	chr10_63132856
chr3	1.49E+08	148697965	+	1.553E-27	8.7007E-26	0.229262	hyper	sig	chr3_148697965
chr14	85530151	85530151	+	1.56E-27	8.7426E-26	0.34731	hyper	sig	chr14_85530151
chr6	7909399	7909399	+	1.561E-27	8.7426E-26	-0.22655	hypo	sig	chr6_7909399
chr11	1461864	1461864	+	1.561E-27	8.7429E-26	0.375498	hyper	sig	chr11_1461864
chr11	72013537	72013537	+	1.564E-27	8.7585E-26	0.278509	hyper	sig	chr11_72013537
chr7	93574554	93574554	+	1.567E-27	8.7757E-26	0.283015	hyper	sig	chr7_93574554
chr10	47763427	47763427	+	1.571E-27	8.7986E-26	0.304977	hyper	sig	chr10_47763427
chr6	30453337	30453337	+	1.573E-27	8.8122E-26	0.349158	hyper	sig	chr6_30453337
chr9	14993553	14993553	+	1.574E-27	8.8124E-26	0.336144	hyper	sig	chr9_14993553
chr13	25171874	25171874	+	1.575E-27	8.8185E-26	0.336816	hyper	sig	chr13_25171874
chr1	1.48E+08	148351297	+	1.576E-27	8.8219E-26	-0.34347	hypo	sig	chr1_148351297
chr16	760996	760996	+	1.576E-27	8.8233E-26	-0.31944	hypo	sig	chr16_760996
chr2	1.05E+08	104864267	+	1.577E-27	8.8264E-26	0.268539	hyper	sig	chr2_104864267
chr6	27275163	27275163	+	1.577E-27	8.8299E-26	0.272293	hyper	sig	chr6_27275163
chr3	1.93E+08	192514328	+	1.578E-27	8.8327E-26	0.391291	hyper	sig	chr3_192514328
chr5	1.71E+08	171316568	+	1.58E-27	8.8447E-26	0.319515	hyper	sig	chr5_171316568
chr1	1.74E+08	173670573	+	1.581E-27	8.8512E-26	-0.29936	hypo	sig	chr1_173670573
chr1	12133042	12133042	+	1.583E-27	8.8563E-26	-0.26303	hypo	sig	chr1_12133042
chr10	70256472	70256472	+	1.583E-27	8.8569E-26	-0.34017	hypo	sig	chr10_70256472
chr12	1.24E+08	124395442	+	1.583E-27	8.8575E-26	0.34936	hyper	sig	chr12_124395442
chr12	7763775	7763775	+	1.584E-27	8.8645E-26	-0.38867	hypo	sig	chr12_7763775
chr14	36654585	36654585	+	1.588E-27	8.8826E-26	0.342971	hyper	sig	chr14_36654585
chr10	79261073	79261073	+	1.589E-27	8.8905E-26	0.347558	hyper	sig	chr10_79261073
chr11	20601190	20601190	+	1.59E-27	8.8921E-26	0.300101	hyper	sig	chr11_20601190
chr6	30555438	30555438	+	1.59E-27	8.896E-26	0.323232	hyper	sig	chr6_30555438
chr7	1.38E+08	137998856	+	1.592E-27	8.9061E-26	0.324526	hyper	sig	chr7_137998856
chr4	80185163	80185163	+	1.594E-27	8.9146E-26	0.229113	hyper	sig	chr4_80185163
chr13	36297845	36297845	+	1.599E-27	8.9395E-26	0.329455	hyper	sig	chr13_36297845
chr19	50722598	50722598	+	1.599E-27	8.9407E-26	0.33229	hyper	sig	chr19_50722598
chr3	1.5E+08	149657176	+	1.608E-27	8.9893E-26	0.38667	hyper	sig	chr3_149657176
chr20	56626975	56626975	+	1.611E-27	9.005E-26	0.399363	hyper	sig	chr20_56626975

chr7	1.59E+08	158783041	+	1.611E-27	9.0073E-26	0.299574	hyper	sig	chr7_158783041
chr17	80502202	80502202	+	1.612E-27	9.0106E-26	0.296653	hyper	sig	chr17_80502202
chr11	34174769	34174769	+	1.614E-27	9.0243E-26	0.323514	hyper	sig	chr11_34174769
chr11	64060827	64060827	+	1.617E-27	9.0394E-26	0.304379	hyper	sig	chr11_64060827
chr11	64372901	64372901	+	1.617E-27	9.0394E-26	-0.43152	hypo	sig	chr11_64372901
chr1	1.19E+08	119006163	+	1.623E-27	9.0686E-26	0.390606	hyper	sig	chr1_119006163
chr14	1.04E+08	103523344	+	1.624E-27	9.0771E-26	0.298231	hyper	sig	chr14_103523344
chr20	21701285	21701285	+	1.63E-27	9.1067E-26	0.391555	hyper	sig	chr20_21701285
chr3	1.47E+08	147388247	+	1.631E-27	9.1124E-26	0.266511	hyper	sig	chr3_147388247
chr8	76683134	76683134	+	1.632E-27	9.1163E-26	0.348676	hyper	sig	chr8_76683134
chr7	99551568	99551568	+	1.636E-27	9.1402E-26	0.212218	hyper	sig	chr7_99551568
chr7	1.51E+08	151051418	+	1.636E-27	9.141E-26	0.311622	hyper	sig	chr7_151051418
chr19	56369019	56369019	+	1.637E-27	9.1426E-26	0.31302	hyper	sig	chr19_56369019
chr17	35488432	35488432	+	1.639E-27	9.1538E-26	0.311143	hyper	sig	chr17_35488432
chr7	1.4E+08	140435774	+	1.641E-27	9.1662E-26	0.326552	hyper	sig	chr7_140435774
chr20	56007654	56007654	+	1.641E-27	9.1663E-26	-0.35328	hypo	sig	chr20_56007654
chr10	61453633	61453633	+	1.642E-27	9.1697E-26	0.22397	hyper	sig	chr10_61453633
chr12	1.14E+08	114400564	+	1.643E-27	9.1755E-26	0.303161	hyper	sig	chr12_114400564
chr1	1.65E+08	164576349	+	1.643E-27	9.1767E-26	0.432928	hyper	sig	chr1_164576349
chr12	39145654	39145654	+	1.645E-27	9.1829E-26	0.307594	hyper	sig	chr12_39145654
chr5	51382637	51382637	+	1.645E-27	9.1851E-26	0.304878	hyper	sig	chr5_51382637
chr17	45430228	45430228	+	1.646E-27	9.191E-26	0.39049	hyper	sig	chr17_45430228
chr7	27098297	27098297	+	1.648E-27	9.1971E-26	0.394442	hyper	sig	chr7_27098297
chr2	66433062	66433062	+	1.651E-27	9.2167E-26	0.231834	hyper	sig	chr2_66433062
chr17	76643767	76643767	+	1.652E-27	9.2205E-26	-0.29226	hypo	sig	chr17_76643767
chr15	93036139	93036139	+	1.653E-27	9.2275E-26	-0.27464	hypo	sig	chr15_93036139
chr8	41665962	41665962	+	1.653E-27	9.2275E-26	-0.29174	hypo	sig	chr8_41665962
chr4	26804678	26804678	+	1.655E-27	9.2369E-26	0.321258	hyper	sig	chr4_26804678
chr3	18438805	18438805	+	1.657E-27	9.2482E-26	-0.32359	hypo	sig	chr3_18438805
chr7	37449068	37449068	+	1.662E-27	9.2717E-26	0.265309	hyper	sig	chr7_37449068
chr2	2.39E+08	239291399	+	1.663E-27	9.2769E-26	0.325616	hyper	sig	chr2_239291399
chr5	1.41E+08	141476760	+	1.663E-27	9.2784E-26	0.215992	hyper	sig	chr5_141476760
chr1	28517189	28517189	+	1.667E-27	9.2979E-26	-0.33893	hypo	sig	chr1_28517189
chr13	1.14E+08	114011237	+	1.669E-27	9.3088E-26	-0.38597	hypo	sig	chr13_114011237
chr2	1.82E+08	181682674	+	1.677E-27	9.3553E-26	0.342743	hyper	sig	chr2_181682674
chr22	50206777	50206777	+	1.678E-27	9.3609E-26	0.386793	hyper	sig	chr22_50206777
chr11	68371816	68371816	+	1.679E-27	9.3611E-26	0.244531	hyper	sig	chr11_68371816
chr13	52848652	52848652	+	1.679E-27	9.3627E-26	0.241816	hyper	sig	chr13_52848652
chr11	2266117	2266117	+	1.683E-27	9.3833E-26	-0.31914	hypo	sig	chr11_2266117
chr22	41201317	41201317	+	1.683E-27	9.3847E-26	-0.36918	hypo	sig	chr22_41201317
chr6	15504583	15504583	+	1.684E-27	9.3874E-26	0.341225	hyper	sig	chr6_15504583
chr2	2.22E+08	222074505	+	1.684E-27	9.3876E-26	-0.34444	hypo	sig	chr2_222074505
chr16	85845355	85845355	+	1.685E-27	9.3925E-26	0.359198	hyper	sig	chr16_85845355
chr19	43827087	43827087	+	1.688E-27	9.4091E-26	0.320649	hyper	sig	chr19_43827087
chr3	9878888	9878888	+	1.69E-27	9.4175E-26	-0.32896	hypo	sig	chr3_9878888
chr12	63152003	63152003	+	1.69E-27	9.4192E-26	0.310108	hyper	sig	chr12_63152003
chr19	52536096	52536096	+	1.69E-27	9.4196E-26	0.362714	hyper	sig	chr19_52536096
chr8	49909918	49909918	+	1.692E-27	9.4285E-26	0.279446	hyper	sig	chr8_49909918
chr16	29157396	29157396	+	1.694E-27	9.4395E-26	-0.3631	hypo	sig	chr16_29157396
chr11	1.34E+08	133955619	+	1.694E-27	9.4407E-26	0.271169	hyper	sig	chr11_133955619
chr20	6769974	6769974	+	1.695E-27	9.4416E-26	0.291637	hyper	sig	chr20_6769974
chr7	1.22E+08	122310166	+	1.695E-27	9.4441E-26	0.258667	hyper	sig	chr7_122310166
chr4	8580571	8580571	+	1.696E-27	9.4489E-26	0.248715	hyper	sig	chr4_8580571
chr20	761154	761154	+	1.698E-27	9.4565E-26	0.346187	hyper	sig	chr20_761154
chr2	12718977	12718977	+	1.701E-27	9.4728E-26	0.295352	hyper	sig	chr2_12718977
chr1	2.35E+08	234969897	+	1.703E-27	9.4871E-26	0.32739	hyper	sig	chr1_234969897

chr1	63321423	63321423	+	1.704E-27	9.4892E-26	0.345978	hyper	sig	chr1_63321423
chr6	30260299	30260299	+	1.707E-27	9.5069E-26	0.255368	hyper	sig	chr6_30260299
chr10	70256453	70256453	+	1.708E-27	9.5106E-26	-0.34842	hypo	sig	chr10_70256453
chr12	10098937	10098937	+	1.725E-27	9.6039E-26	0.285883	hyper	sig	chr12_10098937
chr11	1.28E+08	127941989	+	1.727E-27	9.6181E-26	-0.39511	hypo	sig	chr11_127941989
chr7	1.59E+08	158570215	+	1.728E-27	9.6228E-26	0.317585	hyper	sig	chr7_158570215
chr8	54466439	54466439	+	1.729E-27	9.6228E-26	0.462995	hyper	sig	chr8_54466439
chr22	50040307	50040307	+	1.729E-27	9.6244E-26	-0.24739	hypo	sig	chr22_50040307
chr12	63150002	63150002	+	1.729E-27	9.6262E-26	0.329181	hyper	sig	chr12_63150002
chr6	1.66E+08	165847496	+	1.731E-27	9.6321E-26	-0.29994	hypo	sig	chr6_165847496
chr1	1.19E+08	118984533	+	1.731E-27	9.6346E-26	0.286329	hyper	sig	chr1_118984533
chr9	35676192	35676192	+	1.732E-27	9.6383E-26	0.275858	hyper	sig	chr9_35676192
chr14	76138847	76138847	+	1.733E-27	9.6411E-26	0.372226	hyper	sig	chr14_76138847
chr14	41608458	41608458	+	1.736E-27	9.657E-26	0.340657	hyper	sig	chr14_41608458
chr4	92305430	92305430	+	1.737E-27	9.6655E-26	0.282693	hyper	sig	chr4_92305430
chr5	1.75E+08	174731686	+	1.741E-27	9.6883E-26	0.421057	hyper	sig	chr5_174731686
chr6	1.7E+08	170152895	+	1.743E-27	9.6962E-26	-0.35731	hypo	sig	chr6_170152895
chr12	1.31E+08	131018389	+	1.749E-27	9.729E-26	-0.42012	hypo	sig	chr12_131018389
chr7	8442627	8442627	+	1.755E-27	9.7616E-26	0.321102	hyper	sig	chr7_8442627
chr19	34905571	34905571	+	1.762E-27	9.7983E-26	0.33965	hyper	sig	chr19_34905571
chr10	61453627	61453627	+	1.765E-27	9.8144E-26	0.224218	hyper	sig	chr10_61453627
chr3	1.47E+08	147380781	+	1.766E-27	9.8233E-26	0.324824	hyper	sig	chr3_147380781
chr11	67435375	67435375	+	1.767E-27	9.825E-26	-0.45076	hypo	sig	chr11_67435375
chr9	6644666	6644666	+	1.769E-27	9.8371E-26	0.284847	hyper	sig	chr9_6644666
chr17	48734130	48734130	+	1.771E-27	9.8456E-26	0.256248	hyper	sig	chr17_48734130
chr2	63055521	63055521	+	1.781E-27	9.9021E-26	0.42775	hyper	sig	chr2_63055521
chr11	1351459	1351459	+	1.783E-27	9.9146E-26	-0.36308	hypo	sig	chr11_1351459
chr13	57629999	57629999	+	1.786E-27	9.9283E-26	0.45219	hyper	sig	chr13_57629999
chr3	1.5E+08	149657121	+	1.786E-27	9.9283E-26	0.318876	hyper	sig	chr3_149657121
chr11	8168597	8168597	+	1.791E-27	9.9517E-26	0.295063	hyper	sig	chr11_8168597
chr2	554341	554341	+	1.791E-27	9.9517E-26	-0.33789	hypo	sig	chr2_554341
chr1	47443862	47443862	+	1.793E-27	9.9623E-26	0.515615	hyper	sig	chr1_47443862
chr2	45004810	45004810	+	1.795E-27	9.9736E-26	0.325788	hyper	sig	chr2_45004810
chr8	66961154	66961154	+	1.795E-27	9.9736E-26	0.269436	hyper	sig	chr8_66961154
chr9	35859171	35859171	+	1.795E-27	9.9741E-26	-0.22278	hypo	sig	chr9_35859171
chr13	1.02E+08	101916574	+	1.8E-27	9.9985E-26	0.360448	hyper	sig	chr13_101916574
chr16	29220818	29220818	+	1.801E-27	1.0007E-25	0.339661	hyper	sig	chr16_29220818
chr4	17782288	17782288	+	1.802E-27	1.001E-25	0.337029	hyper	sig	chr4_17782288
chr10	91627387	91627387	+	1.803E-27	1.0014E-25	-0.33185	hypo	sig	chr10_91627387
chr5	1.81E+08	181100618	+	1.803E-27	1.0014E-25	0.333726	hyper	sig	chr5_181100618
chr17	38855367	38855367	+	1.803E-27	1.0017E-25	-0.29484	hypo	sig	chr17_38855367
chr8	26051777	26051777	+	1.806E-27	1.0029E-25	0.258822	hyper	sig	chr8_26051777
chr14	20510671	20510671	+	1.807E-27	1.0036E-25	-0.33205	hypo	sig	chr14_20510671
chr17	80064304	80064304	+	1.807E-27	1.0036E-25	-0.30122	hypo	sig	chr17_80064304
chr4	1405452	1405452	+	1.808E-27	1.0039E-25	0.417893	hyper	sig	chr4_1405452
chr15	78192761	78192761	+	1.815E-27	1.0077E-25	-0.26433	hypo	sig	chr15_78192761
chr7	1.59E+08	159006989	+	1.817E-27	1.0085E-25	-0.38251	hypo	sig	chr7_159006989
chr1	10672038	10672038	+	1.817E-27	1.0087E-25	0.436686	hyper	sig	chr1_10672038
chr4	1.11E+08	110628853	+	1.82E-27	1.0102E-25	0.298746	hyper	sig	chr4_110628853
chr6	29792670	29792670	+	1.821E-27	1.0105E-25	0.27025	hyper	sig	chr6_29792670
chr16	23184808	23184808	+	1.822E-27	1.0112E-25	-0.29575	hypo	sig	chr16_23184808
chr5	1291204	1291204	+	1.823E-27	1.0115E-25	-0.36432	hypo	sig	chr5_1291204
chr1	1.17E+08	117211343	+	1.825E-27	1.0128E-25	-0.31435	hypo	sig	chr1_117211343
chr7	1E+08	100177885	+	1.828E-27	1.0145E-25	0.316014	hyper	sig	chr7_100177885
chr16	88130236	88130236	+	1.829E-27	1.015E-25	-0.32809	hypo	sig	chr16_88130236
chr8	1.08E+08	108083765	+	1.83E-27	1.0151E-25	0.32036	hyper	sig	chr8_108083765

chr3	10993400	10993400	+	1.831E-27	1.0156E-25	0.325658	hyper	sig	chr3_10993400
chr7	229719	229719	+	1.832E-27	1.0163E-25	0.293008	hyper	sig	chr7_229719
chr2	44932954	44932954	+	1.835E-27	1.018E-25	0.388307	hyper	sig	chr2_44932954
chr11	44980106	44980106	+	1.835E-27	1.0181E-25	-0.37469	hypo	sig	chr11_44980106
chr1	1.19E+08	118986771	+	1.836E-27	1.0181E-25	0.340145	hyper	sig	chr1_118986771
chr12	1.07E+08	106581390	+	1.837E-27	1.019E-25	0.234578	hyper	sig	chr12_106581390
chr11	94769302	94769302	+	1.839E-27	1.0198E-25	0.221741	hyper	sig	chr11_94769302
chr12	52116051	52116051	+	1.84E-27	1.0204E-25	-0.31644	hypo	sig	chr12_52116051
chr1	1.64E+08	164321596	+	1.842E-27	1.0211E-25	0.275204	hyper	sig	chr1_164321596
chr3	11568736	11568736	+	1.847E-27	1.0239E-25	0.322032	hyper	sig	chr3_11568736
chr7	4739711	4739711	+	1.86E-27	1.0311E-25	0.343841	hyper	sig	chr7_4739711
chr1	1.61E+08	160813391	+	1.863E-27	1.0327E-25	-0.34256	hypo	sig	chr1_160813391
chr8	96525490	96525490	+	1.864E-27	1.0333E-25	-0.33802	hypo	sig	chr8_96525490
chr4	95548477	95548477	+	1.865E-27	1.0336E-25	0.243439	hyper	sig	chr4_95548477
chr19	35225040	35225040	+	1.868E-27	1.0351E-25	0.30979	hyper	sig	chr19_35225040
chr20	37518815	37518815	+	1.868E-27	1.0353E-25	0.282002	hyper	sig	chr20_37518815
chr8	52586993	52586993	+	1.868E-27	1.0353E-25	0.345553	hyper	sig	chr8_52586993
chr3	27723863	27723863	+	1.868E-27	1.0353E-25	0.341663	hyper	sig	chr3_27723863
chr8	1.41E+08	141299553	+	1.881E-27	1.042E-25	0.300706	hyper	sig	chr8_141299553
chr11	44316612	44316612	+	1.882E-27	1.0424E-25	0.24892	hyper	sig	chr11_44316612
chr19	46426858	46426858	+	1.883E-27	1.043E-25	0.267554	hyper	sig	chr19_46426858
chr16	58464725	58464725	+	1.887E-27	1.0453E-25	0.243534	hyper	sig	chr16_58464725
chr13	78608070	78608070	+	1.888E-27	1.0457E-25	0.394093	hyper	sig	chr13_78608070
chr19	52492574	52492574	+	1.889E-27	1.0463E-25	0.313625	hyper	sig	chr19_52492574
chr6	31730984	31730984	+	1.89E-27	1.0466E-25	-0.3722	hypo	sig	chr6_31730984
chr1	1.9E+08	190475660	+	1.89E-27	1.0469E-25	0.234308	hyper	sig	chr1_190475660
chr12	46831543	46831543	+	1.891E-27	1.0473E-25	0.240461	hyper	sig	chr12_46831543
chr2	1.87E+08	186849259	+	1.891E-27	1.0473E-25	0.256895	hyper	sig	chr2_186849259
chr5	43192837	43192837	+	1.897E-27	1.0502E-25	0.210418	hyper	sig	chr5_43192837
chr12	53945131	53945131	+	1.9E-27	1.0517E-25	0.323649	hyper	sig	chr12_53945131
chr13	36674772	36674772	+	1.907E-27	1.0558E-25	0.339815	hyper	sig	chr13_36674772
chr12	1.03E+08	103495949	+	1.91E-27	1.0574E-25	0.310804	hyper	sig	chr12_103495949
chr7	1123867	1123867	+	1.91E-27	1.0574E-25	0.33422	hyper	sig	chr7_1123867
chr19	33625471	33625471	+	1.911E-27	1.0576E-25	-0.39352	hypo	sig	chr19_33625471
chr4	2036625	2036625	+	1.913E-27	1.0585E-25	-0.31042	hypo	sig	chr4_2036625
chr19	12156626	12156626	+	1.913E-27	1.0586E-25	0.274657	hyper	sig	chr19_12156626
chr4	92304442	92304442	+	1.915E-27	1.0597E-25	0.23565	hyper	sig	chr4_92304442
chr8	35233912	35233912	+	1.917E-27	1.0606E-25	-0.38468	hypo	sig	chr8_35233912
chr17	76948800	76948800	+	1.917E-27	1.0608E-25	-0.35985	hypo	sig	chr17_76948800
chr10	491040	491040	+	1.93E-27	1.0676E-25	0.354377	hyper	sig	chr10_491040
chr1	1.65E+08	164576537	+	1.932E-27	1.0688E-25	0.369888	hyper	sig	chr1_164576537
chr19	45529574	45529574	+	1.933E-27	1.0693E-25	0.247139	hyper	sig	chr19_45529574
chr6	50723278	50723278	+	1.937E-27	1.0712E-25	0.323702	hyper	sig	chr6_50723278
chr5	1.67E+08	166927187	+	1.937E-27	1.0714E-25	-0.31506	hypo	sig	chr5_166927187
chr10	1.23E+08	123143762	+	1.937E-27	1.0714E-25	0.324031	hyper	sig	chr10_123143762
chr2	9191265	9191265	+	1.94E-27	1.0727E-25	0.304747	hyper	sig	chr2_9191265
chr14	89137711	89137711	+	1.944E-27	1.0749E-25	-0.32955	hypo	sig	chr14_89137711
chr2	1.09E+08	109447575	+	1.945E-27	1.0753E-25	0.323305	hyper	sig	chr2_109447575
chr11	67983621	67983621	+	1.945E-27	1.0756E-25	-0.30852	hypo	sig	chr11_67983621
chr10	13892395	13892395	+	1.947E-27	1.0764E-25	0.367807	hyper	sig	chr10_13892395
chr1	18632916	18632916	+	1.948E-27	1.077E-25	0.285062	hyper	sig	chr1_18632916
chr2	98346506	98346506	+	1.949E-27	1.0775E-25	0.39088	hyper	sig	chr2_98346506
chr12	1840287	1840287	+	1.95E-27	1.0779E-25	-0.3689	hypo	sig	chr12_1840287
chr5	1.39E+08	139395181	+	1.951E-27	1.0782E-25	0.461865	hyper	sig	chr5_139395181
chr7	2440858	2440858	+	1.954E-27	1.0798E-25	-0.40099	hypo	sig	chr7_2440858
chr7	64030741	64030741	+	1.955E-27	1.0806E-25	-0.35267	hypo	sig	chr7_64030741

chr12	1.32E+08	132423761	+	1.957E-27	1.081E-25	-0.35817	hypo	sig	chr12_132423761
chr2	1.85E+08	184597695	+	1.957E-27	1.081E-25	0.242895	hyper	sig	chr2_184597695
chr5	1.78E+08	178165758	+	1.956E-27	1.081E-25	0.404727	hyper	sig	chr5_178165758
chr8	64371867	64371867	+	1.958E-27	1.0819E-25	0.435214	hyper	sig	chr8_64371867
chr11	2156325	2156325	+	1.965E-27	1.0853E-25	-0.35931	hypo	sig	chr11_2156325
chr13	40188118	40188118	+	1.968E-27	1.087E-25	-0.32791	hypo	sig	chr13_40188118
chr5	55221025	55221025	+	1.976E-27	1.0913E-25	0.281245	hyper	sig	chr5_55221025
chr10	49396585	49396585	+	1.978E-27	1.0926E-25	0.345237	hyper	sig	chr10_49396585
chr7	91267307	91267307	+	1.983E-27	1.0953E-25	0.379289	hyper	sig	chr7_91267307
chr13	1.08E+08	107867991	+	1.985E-27	1.0964E-25	0.251026	hyper	sig	chr13_107867991
chr11	43581329	43581329	+	1.986E-27	1.0964E-25	0.335801	hyper	sig	chr11_43581329
chr7	96998320	96998320	+	1.987E-27	1.0973E-25	0.244549	hyper	sig	chr7_96998320
chr20	25084888	25084888	+	1.992E-27	1.1E-25	0.237206	hyper	sig	chr20_25084888
chr3	1.93E+08	192727206	+	1.996E-27	1.1018E-25	0.258789	hyper	sig	chr3_192727206
chr8	57995262	57995262	+	2.007E-27	1.1079E-25	0.359163	hyper	sig	chr8_57995262
chr2	8526090	8526090	+	2.009E-27	1.109E-25	-0.28124	hypo	sig	chr2_8526090
chr12	6556273	6556273	+	2.012E-27	1.1104E-25	0.294385	hyper	sig	chr12_6556273
chr7	1647193	1647193	+	2.013E-27	1.1113E-25	-0.3414	hypo	sig	chr7_1647193
chr2	24827987	24827987	+	2.02E-27	1.1148E-25	0.307841	hyper	sig	chr2_24827987
chr1	86156916	86156916	+	2.021E-27	1.1153E-25	0.206186	hyper	sig	chr1_86156916
chr11	34155604	34155604	+	2.025E-27	1.1174E-25	0.376117	hyper	sig	chr11_34155604
chr6	589263	589263	+	2.027E-27	1.1184E-25	0.23497	hyper	sig	chr6_589263
chr3	26623733	26623733	+	2.029E-27	1.1196E-25	0.31153	hyper	sig	chr3_26623733
chr13	1.1E+08	110341211	+	2.031E-27	1.1207E-25	0.329016	hyper	sig	chr13_110341211
chr4	1.21E+08	121380624	+	2.037E-27	1.1236E-25	0.277343	hyper	sig	chr4_121380624
chr5	88672818	88672818	+	2.038E-27	1.1242E-25	0.256747	hyper	sig	chr5_88672818
chr5	1.41E+08	141427883	+	2.043E-27	1.127E-25	0.311555	hyper	sig	chr5_141427883
chr8	49911763	49911763	+	2.045E-27	1.1281E-25	0.368804	hyper	sig	chr8_49911763
chr4	13543667	13543667	+	2.05E-27	1.1303E-25	0.30902	hyper	sig	chr4_13543667
chr16	83807534	83807534	+	2.059E-27	1.1355E-25	-0.28523	hypo	sig	chr16_83807534
chr16	86575522	86575522	+	2.059E-27	1.1355E-25	0.319332	hyper	sig	chr16_86575522
chr13	1.13E+08	113422092	+	2.061E-27	1.1362E-25	0.328783	hyper	sig	chr13_113422092
chr13	25046954	25046954	+	2.062E-27	1.1367E-25	0.352222	hyper	sig	chr13_25046954
chr15	75234895	75234895	+	2.062E-27	1.1368E-25	-0.33189	hypo	sig	chr15_75234895
chr4	1.77E+08	176792057	+	2.063E-27	1.1372E-25	0.282834	hyper	sig	chr4_176792057
chr8	837052	837052	+	2.065E-27	1.1381E-25	-0.29814	hypo	sig	chr8_837052
chr3	1.22E+08	122183787	+	2.07E-27	1.1409E-25	0.211579	hyper	sig	chr3_122183787
chr11	844500	844500	+	2.074E-27	1.1431E-25	0.299251	hyper	sig	chr11_844500
chr20	30316203	30316203	+	2.081E-27	1.147E-25	0.385624	hyper	sig	chr20_30316203
chr19	18008260	18008260	+	2.083E-27	1.1478E-25	0.244464	hyper	sig	chr19_18008260
chr11	1.25E+08	125496678	+	2.084E-27	1.1484E-25	0.330017	hyper	sig	chr11_125496678
chr1	6330496	6330496	+	2.087E-27	1.1501E-25	0.307641	hyper	sig	chr1_6330496
chr19	12156622	12156622	+	2.088E-27	1.1505E-25	0.27761	hyper	sig	chr19_12156622
chr14	28778190	28778190	+	2.089E-27	1.1507E-25	0.290093	hyper	sig	chr14_28778190
chr12	52233525	52233525	+	2.09E-27	1.1513E-25	0.406694	hyper	sig	chr12_52233525
chr4	55793693	55793693	+	2.09E-27	1.1513E-25	0.380118	hyper	sig	chr4_55793693
chr5	1.41E+08	141332851	+	2.093E-27	1.1526E-25	0.349787	hyper	sig	chr5_141332851
chr2	2.07E+08	206642372	+	2.098E-27	1.1554E-25	0.288174	hyper	sig	chr2_206642372
chr1	1.48E+08	148310437	+	2.098E-27	1.1556E-25	0.320788	hyper	sig	chr1_148310437
chr4	80266037	80266037	+	2.099E-27	1.1556E-25	0.254916	hyper	sig	chr4_80266037
chr2	2.39E+08	238586586	+	2.099E-27	1.1558E-25	0.26461	hyper	sig	chr2_238586586
chr16	31010994	31010994	+	2.1E-27	1.1562E-25	0.248548	hyper	sig	chr16_31010994
chr6	1.24E+08	123801476	+	2.102E-27	1.1573E-25	-0.34523	hypo	sig	chr6_123801476
chr11	2898822	2898822	+	2.104E-27	1.1584E-25	-0.33241	hypo	sig	chr11_2898822
chr5	1.46E+08	146340456	+	2.107E-27	1.1601E-25	0.333406	hyper	sig	chr5_146340456
chr9	1.24E+08	124487291	+	2.112E-27	1.1627E-25	0.362997	hyper	sig	chr9_124487291

chr8	70070698	70070698	+	2.115E-27	1.164E-25	0.27968	hyper	sig	chr8_70070698
chr1	24319715	24319715	+	2.126E-27	1.1703E-25	-0.2488	hypo	sig	chr1_24319715
chr7	1123832	1123832	+	2.127E-27	1.1707E-25	0.332441	hyper	sig	chr7_1123832
chr5	1.78E+08	178165791	+	2.134E-27	1.1742E-25	0.378227	hyper	sig	chr5_178165791
chr14	20434268	20434268	+	2.14E-27	1.1777E-25	-0.40129	hypo	sig	chr14_20434268
chr7	97731940	97731940	+	2.142E-27	1.1787E-25	0.322193	hyper	sig	chr7_97731940
chr5	1.16E+08	115961956	+	2.148E-27	1.1818E-25	0.378372	hyper	sig	chr5_115961956
chr9	2623753	2623753	+	2.151E-27	1.1834E-25	0.345101	hyper	sig	chr9_2623753
chr6	2891739	2891739	+	2.154E-27	1.1852E-25	-0.33527	hypo	sig	chr6_2891739
chr14	26598872	26598872	+	2.156E-27	1.186E-25	0.267969	hyper	sig	chr14_26598872
chr19	44448441	44448441	+	2.156E-27	1.186E-25	0.284757	hyper	sig	chr19_44448441
chr13	27975909	27975909	+	2.157E-27	1.1862E-25	0.322311	hyper	sig	chr13_27975909
chr13	83879701	83879701	+	2.162E-27	1.1888E-25	0.367045	hyper	sig	chr13_83879701
chr19	36245526	36245526	+	2.162E-27	1.1888E-25	0.382864	hyper	sig	chr19_36245526
chr7	64574672	64574672	+	2.162E-27	1.1888E-25	0.317137	hyper	sig	chr7_64574672
chr19	20661253	20661253	+	2.164E-27	1.1899E-25	0.310273	hyper	sig	chr19_20661253
chr6	30260315	30260315	+	2.168E-27	1.1922E-25	0.285463	hyper	sig	chr6_30260315
chr22	43414365	43414365	+	2.17E-27	1.1933E-25	-0.38873	hypo	sig	chr22_43414365
chr16	55323855	55323855	+	2.171E-27	1.1936E-25	0.333292	hyper	sig	chr16_55323855
chr7	2572467	2572467	+	2.175E-27	1.1957E-25	-0.26668	hypo	sig	chr7_2572467
chr1	2305192	2305192	+	2.178E-27	1.1971E-25	0.355763	hyper	sig	chr1_2305192
chr8	1.43E+08	142563217	+	2.178E-27	1.1971E-25	-0.35832	hypo	sig	chr8_142563217
chr13	38688029	38688029	+	2.186E-27	1.2014E-25	0.248757	hyper	sig	chr13_38688029
chr17	60139188	60139188	+	2.191E-27	1.204E-25	0.283024	hyper	sig	chr17_60139188
chr5	63961870	63961870	+	2.192E-27	1.2045E-25	0.289883	hyper	sig	chr5_63961870
chr21	43826427	43826427	+	2.2E-27	1.209E-25	0.301074	hyper	sig	chr21_43826427
chr2	27308565	27308565	+	2.201E-27	1.2091E-25	0.393108	hyper	sig	chr2_27308565
chr2	2.39E+08	239250052	+	2.203E-27	1.2105E-25	0.362057	hyper	sig	chr2_239250052
chr17	82875650	82875650	+	2.205E-27	1.2112E-25	-0.28899	hypo	sig	chr17_82875650
chr19	48480814	48480814	+	2.205E-27	1.2113E-25	0.2967	hyper	sig	chr19_48480814
chr6	1.63E+08	163100618	+	2.205E-27	1.2113E-25	-0.38524	hypo	sig	chr6_163100618
chr20	62708523	62708523	+	2.21E-27	1.2141E-25	0.395894	hyper	sig	chr20_62708523
chr2	1592045	1592045	+	2.213E-27	1.2152E-25	0.247992	hyper	sig	chr2_1592045
chr12	81077921	81077921	+	2.217E-27	1.2174E-25	0.295786	hyper	sig	chr12_81077921
chr16	1550388	1550388	+	2.22E-27	1.2188E-25	0.273934	hyper	sig	chr16_1550388
chr20	21713790	21713790	+	2.22E-27	1.2188E-25	0.308863	hyper	sig	chr20_21713790
chr1	2.36E+08	236396163	+	2.223E-27	1.2204E-25	0.320818	hyper	sig	chr1_236396163
chr1	2898379	2898379	+	2.225E-27	1.2217E-25	-0.38557	hypo	sig	chr1_2898379
chr10	49115213	49115213	+	2.229E-27	1.2235E-25	0.32218	hyper	sig	chr10_49115213
chr12	1.23E+08	123269816	+	2.234E-27	1.2261E-25	0.423634	hyper	sig	chr12_123269816
chr2	1.01E+08	100821410	+	2.236E-27	1.2273E-25	-0.25878	hypo	sig	chr2_100821410
chr5	51389834	51389834	+	2.239E-27	1.229E-25	0.253897	hyper	sig	chr5_51389834
chr6	1.51E+08	151240011	+	2.242E-27	1.2304E-25	0.250154	hyper	sig	chr6_151240011
chr6	1.12E+08	112054099	+	2.243E-27	1.2311E-25	-0.31205	hypo	sig	chr6_112054099
chr4	1.51E+08	150583761	+	2.246E-27	1.2322E-25	0.373778	hyper	sig	chr4_150583761
chr1	1.44E+08	143661997	+	2.246E-27	1.2326E-25	0.30981	hyper	sig	chr1_143661997
chr1	2.15E+08	215082213	+	2.252E-27	1.2355E-25	0.365952	hyper	sig	chr1_215082213
chr20	56626973	56626973	+	2.253E-27	1.2362E-25	0.415539	hyper	sig	chr20_56626973
chr13	1.13E+08	113420476	+	2.256E-27	1.2378E-25	-0.34765	hypo	sig	chr13_113420476
chr11	44310990	44310990	+	2.27E-27	1.2451E-25	0.269457	hyper	sig	chr11_44310990
chr5	73420247	73420247	+	2.272E-27	1.2464E-25	0.211866	hyper	sig	chr5_73420247
chr7	1.49E+08	149462308	+	2.272E-27	1.2464E-25	-0.3065	hypo	sig	chr7_149462308
chr12	1.13E+08	113476076	+	2.276E-27	1.2482E-25	0.318718	hyper	sig	chr12_113476076
chr18	50298717	50298717	+	2.276E-27	1.2483E-25	0.305581	hyper	sig	chr18_50298717
chr4	1.22E+08	121765405	+	2.279E-27	1.2498E-25	0.262821	hyper	sig	chr4_121765405
chr1	50427343	50427343	+	2.288E-27	1.2547E-25	0.326622	hyper	sig	chr1_50427343

chr8	1.44E+08	143721524	+	2.29E-27	1.2556E-25	-0.37405	hypo	sig	chr8_143721524
chr10	1.03E+08	103473652	+	2.295E-27	1.2586E-25	0.265251	hyper	sig	chr10_103473652
chr7	48006308	48006308	+	2.296E-27	1.2589E-25	-0.30905	hypo	sig	chr7_48006308
chr8	64578761	64578761	+	2.298E-27	1.2599E-25	0.330192	hyper	sig	chr8_64578761
chr18	59696492	59696492	+	2.3E-27	1.2609E-25	0.252839	hyper	sig	chr18_59696492
chr19	49043531	49043531	+	2.301E-27	1.2614E-25	-0.3091	hypo	sig	chr19_49043531
chr5	1.73E+08	173042015	+	2.303E-27	1.262E-25	-0.30092	hypo	sig	chr5_173042015
chr4	1.84E+08	184097251	+	2.305E-27	1.2632E-25	0.30107	hyper	sig	chr4_184097251
chr3	8776370	8776370	+	2.313E-27	1.2676E-25	-0.32285	hypo	sig	chr3_8776370
chr17	17793106	17793106	+	2.316E-27	1.2692E-25	0.305593	hyper	sig	chr17_17793106
chr10	1.33E+08	133309888	+	2.317E-27	1.2695E-25	-0.30118	hypo	sig	chr10_133309888
chr5	16179047	16179047	+	2.322E-27	1.2724E-25	0.281492	hyper	sig	chr5_16179047
chr5	1.79E+08	178941280	+	2.324E-27	1.2733E-25	0.386578	hyper	sig	chr5_178941280
chr8	1.4E+08	139703449	+	2.325E-27	1.2739E-25	0.506224	hyper	sig	chr8_139703449
chr10	95230762	95230762	+	2.328E-27	1.2754E-25	0.352814	hyper	sig	chr10_95230762
chr5	1536458	1536458	+	2.329E-27	1.2757E-25	-0.3629	hypo	sig	chr5_1536458
chr5	7983530	7983530	+	2.33E-27	1.2763E-25	-0.3609	hypo	sig	chr5_7983530
chr10	77711360	77711360	+	2.333E-27	1.2777E-25	0.266455	hyper	sig	chr10_77711360
chr13	1.13E+08	112638447	+	2.333E-27	1.2777E-25	-0.40234	hypo	sig	chr13_112638447
chr11	22432896	22432896	+	2.338E-27	1.2801E-25	0.339658	hyper	sig	chr11_22432896
chr9	1.37E+08	137307023	+	2.338E-27	1.2801E-25	0.39803	hyper	sig	chr9_137307023
chr19	33620577	33620577	+	2.339E-27	1.2808E-25	-0.29392	hypo	sig	chr19_33620577
chr5	1.41E+08	141370168	+	2.34E-27	1.2809E-25	0.29992	hyper	sig	chr5_141370168
chr5	1.35E+08	135490166	+	2.342E-27	1.2824E-25	0.291606	hyper	sig	chr5_135490166
chr20	63657597	63657597	+	2.345E-27	1.2835E-25	0.274888	hyper	sig	chr20_63657597
chr12	53945530	53945530	+	2.355E-27	1.2889E-25	0.332752	hyper	sig	chr12_53945530
chr12	1.03E+08	102824825	+	2.355E-27	1.2889E-25	0.304153	hyper	sig	chr12_102824825
chr6	98842765	98842765	+	2.355E-27	1.289E-25	0.347504	hyper	sig	chr6_98842765
chr5	3602182	3602182	+	2.359E-27	1.2908E-25	0.336399	hyper	sig	chr5_3602182
chr5	33936357	33936357	+	2.366E-27	1.2946E-25	0.316658	hyper	sig	chr5_33936357
chr6	10882906	10882906	+	2.366E-27	1.2946E-25	0.333534	hyper	sig	chr6_10882906
chr10	1.3E+08	129969872	+	2.367E-27	1.2951E-25	0.279688	hyper	sig	chr10_129969872
chr7	1.46E+08	146116815	+	2.367E-27	1.2951E-25	0.300674	hyper	sig	chr7_146116815
chr12	81077870	81077870	+	2.369E-27	1.2961E-25	0.270813	hyper	sig	chr12_81077870
chr12	1.33E+08	132908149	+	2.372E-27	1.2973E-25	0.242203	hyper	sig	chr12_132908149
chr9	97852707	97852707	+	2.378E-27	1.3005E-25	0.412917	hyper	sig	chr9_97852707
chr10	70552314	70552314	+	2.379E-27	1.3011E-25	0.314589	hyper	sig	chr10_70552314
chr7	1602197	1602197	+	2.382E-27	1.3028E-25	-0.34568	hypo	sig	chr7_1602197
chr20	48827284	48827284	+	2.385E-27	1.3041E-25	0.240266	hyper	sig	chr20_48827284
chr1	47445280	47445280	+	2.39E-27	1.3069E-25	0.259915	hyper	sig	chr1_47445280
chr20	64053165	64053165	+	2.39E-27	1.3069E-25	-0.39236	hypo	sig	chr20_64053165
chr9	1.36E+08	136202833	+	2.391E-27	1.3071E-25	0.369436	hyper	sig	chr9_136202833
chr3	14556143	14556143	+	2.392E-27	1.3075E-25	-0.3148	hypo	sig	chr3_14556143
chr10	55630171	55630171	+	2.401E-27	1.3123E-25	0.381355	hyper	sig	chr10_55630171
chr11	1.33E+08	133064244	+	2.402E-27	1.313E-25	0.29869	hyper	sig	chr11_133064244
chr6	6003070	6003070	+	2.402E-27	1.313E-25	0.283537	hyper	sig	chr6_6003070
chr11	66677048	66677048	+	2.411E-27	1.3179E-25	0.307356	hyper	sig	chr11_66677048
chr6	589392	589392	+	2.415E-27	1.3197E-25	0.208673	hyper	sig	chr6_589392
chr13	1.08E+08	107868218	+	2.417E-27	1.3206E-25	0.3059	hyper	sig	chr13_107868218
chr5	37838481	37838481	+	2.417E-27	1.3206E-25	0.296052	hyper	sig	chr5_37838481
chr1	939290	939290	+	2.417E-27	1.3208E-25	-0.34484	hypo	sig	chr1_939290
chr12	1.17E+08	117033179	+	2.418E-27	1.3211E-25	0.363651	hyper	sig	chr12_117033179
chr6	28443522	28443522	+	2.422E-27	1.3232E-25	0.240915	hyper	sig	chr6_28443522
chr11	2140693	2140693	+	2.43E-27	1.3276E-25	0.323493	hyper	sig	chr11_2140693
chr6	1.46E+08	146029078	+	2.433E-27	1.3288E-25	0.280188	hyper	sig	chr6_146029078
chr9	35676120	35676120	+	2.439E-27	1.3322E-25	0.243806	hyper	sig	chr9_35676120

chr16	81645313	81645313	+	2.439E-27	1.3323E-25	0.277471	hyper	sig	chr16_81645313
chr7	28410354	28410354	+	2.441E-27	1.3331E-25	0.265237	hyper	sig	chr7_28410354
chr6	42727311	42727311	+	2.442E-27	1.3333E-25	0.421569	hyper	sig	chr6_42727311
chr19	4104896	4104896	+	2.443E-27	1.3342E-25	-0.4346	hypo	sig	chr19_4104896
chr13	27923011	27923011	+	2.448E-27	1.3366E-25	0.546568	hyper	sig	chr13_27923011
chr6	10887425	10887425	+	2.448E-27	1.3366E-25	0.324266	hyper	sig	chr6_10887425
chr17	28982495	28982495	+	2.452E-27	1.3384E-25	-0.30253	hypo	sig	chr17_28982495
chr5	2387916	2387916	+	2.463E-27	1.3443E-25	0.342353	hyper	sig	chr5_2387916
chr2	1.45E+08	144517339	+	2.465E-27	1.3456E-25	0.241056	hyper	sig	chr2_144517339
chr4	54231890	54231890	+	2.465E-27	1.3456E-25	0.366251	hyper	sig	chr4_54231890
chr3	1.3E+08	129975174	+	2.475E-27	1.3508E-25	0.330206	hyper	sig	chr3_129975174
chr1	1.48E+08	148310005	+	2.475E-27	1.3509E-25	0.394574	hyper	sig	chr1_148310005
chr19	58350721	58350721	+	2.48E-27	1.3534E-25	0.383931	hyper	sig	chr19_58350721
chr15	88255465	88255465	+	2.481E-27	1.3537E-25	0.338176	hyper	sig	chr15_88255465
chr1	939354	939354	+	2.482E-27	1.3543E-25	-0.33906	hypo	sig	chr1_939354
chr6	27312206	27312206	+	2.484E-27	1.355E-25	0.250552	hyper	sig	chr6_27312206
chr8	1.16E+08	115667564	+	2.485E-27	1.3559E-25	0.328836	hyper	sig	chr8_115667564
chr10	1.25E+08	124632255	+	2.486E-27	1.3562E-25	0.321801	hyper	sig	chr10_124632255
chr15	74818761	74818761	+	2.488E-27	1.3572E-25	-0.29035	hypo	sig	chr15_74818761
chr16	253183	253183	+	2.488E-27	1.3572E-25	-0.38584	hypo	sig	chr16_253183
chr6	32061375	32061375	+	2.488E-27	1.3572E-25	-0.27804	hypo	sig	chr6_32061375
chr3	49719097	49719097	+	2.494E-27	1.3601E-25	0.255356	hyper	sig	chr3_49719097
chr7	38976020	38976020	+	2.494E-27	1.3601E-25	0.380575	hyper	sig	chr7_38976020
chr12	1.3E+08	129848931	+	2.497E-27	1.3618E-25	-0.42221	hypo	sig	chr12_129848931
chr16	2124775	2124775	+	2.501E-27	1.3634E-25	0.37623	hyper	sig	chr16_2124775
chr7	1.49E+08	149415263	+	2.503E-27	1.3645E-25	0.30928	hyper	sig	chr7_149415263
chr4	89837676	89837676	+	2.503E-27	1.3645E-25	0.278988	hyper	sig	chr4_89837676
chr10	34974166	34974166	+	2.504E-27	1.3649E-25	-0.35365	hypo	sig	chr10_34974166
chr12	72272128	72272128	+	2.517E-27	1.3719E-25	0.244743	hyper	sig	chr12_72272128
chr6	1.68E+08	167975116	+	2.517E-27	1.372E-25	-0.30383	hypo	sig	chr6_167975116
chr11	94401520	94401520	+	2.525E-27	1.3762E-25	0.341931	hyper	sig	chr11_94401520
chr6	31728674	31728674	+	2.529E-27	1.3782E-25	0.30789	hyper	sig	chr6_31728674
chr1	9279321	9279321	+	2.529E-27	1.3784E-25	-0.24927	hypo	sig	chr1_9279321
chr7	5304182	5304182	+	2.53E-27	1.3789E-25	-0.39855	hypo	sig	chr7_5304182
chr11	1.21E+08	120512975	+	2.531E-27	1.379E-25	-0.37069	hypo	sig	chr11_120512975
chr7	1.5E+08	150221174	+	2.531E-27	1.3791E-25	0.282577	hyper	sig	chr7_150221174
chr10	1.3E+08	129969688	+	2.536E-27	1.3815E-25	0.267455	hyper	sig	chr10_129969688
chr7	97731929	97731929	+	2.538E-27	1.3826E-25	0.321549	hyper	sig	chr7_97731929
chr8	1.43E+08	142738617	+	2.545E-27	1.3862E-25	-0.29883	hypo	sig	chr8_142738617
chr20	46513244	46513244	+	2.546E-27	1.3867E-25	0.347574	hyper	sig	chr20_46513244
chr11	1.25E+08	125347654	+	2.548E-27	1.3878E-25	-0.31796	hypo	sig	chr11_125347654
chr13	28532874	28532874	+	2.558E-27	1.393E-25	0.3126	hyper	sig	chr13_28532874
chr17	64778561	64778561	+	2.558E-27	1.393E-25	0.264026	hyper	sig	chr17_64778561
chr5	3592478	3592478	+	2.564E-27	1.3964E-25	0.322472	hyper	sig	chr5_3592478
chr18	78981157	78981157	+	2.565E-27	1.3967E-25	0.355354	hyper	sig	chr18_78981157
chr2	1.01E+08	100821343	+	2.567E-27	1.3975E-25	-0.2734	hypo	sig	chr2_100821343
chr10	22345211	22345211	+	2.574E-27	1.4014E-25	0.289798	hyper	sig	chr10_22345211
chr2	2.42E+08	241843032	+	2.576E-27	1.4025E-25	-0.27744	hypo	sig	chr2_241843032
chr5	1.33E+08	132748358	+	2.577E-27	1.403E-25	-0.353	hypo	sig	chr5_132748358
chr15	89360432	89360432	+	2.579E-27	1.404E-25	0.34938	hyper	sig	chr15_89360432
chr4	1.11E+08	110641330	+	2.58E-27	1.4045E-25	0.358413	hyper	sig	chr4_110641330
chr6	1.52E+08	151807449	+	2.581E-27	1.4049E-25	0.239059	hyper	sig	chr6_151807449
chr10	49608873	49608873	+	2.589E-27	1.4091E-25	0.317645	hyper	sig	chr10_49608873
chr11	64892631	64892631	+	2.591E-27	1.4098E-25	-0.38583	hypo	sig	chr11_64892631
chr2	2.06E+08	205686520	+	2.592E-27	1.4103E-25	0.349092	hyper	sig	chr2_205686520
chr12	64825724	64825724	+	2.593E-27	1.411E-25	0.306327	hyper	sig	chr12_64825724

chr7	97022704	97022704	+	2.594E-27	1.4112E-25	0.352383	hyper	sig	chr7_97022704
chr19	22634664	22634664	+	2.601E-27	1.415E-25	0.267129	hyper	sig	chr19_22634664
chr13	36297832	36297832	+	2.604E-27	1.4168E-25	0.328402	hyper	sig	chr13_36297832
chr1	1.11E+08	110675660	+	2.605E-27	1.4172E-25	0.336442	hyper	sig	chr1_110675660
chr4	41867416	41867416	+	2.606E-27	1.4176E-25	0.272259	hyper	sig	chr4_41867416
chr10	1.19E+08	119392282	+	2.609E-27	1.4192E-25	0.281546	hyper	sig	chr10_119392282
chr18	909135	909135	+	2.614E-27	1.4217E-25	0.349742	hyper	sig	chr18_909135
chr3	1.43E+08	143175105	+	2.618E-27	1.4238E-25	-0.36225	hypo	sig	chr3_143175105
chr9	1.04E+08	103999768	+	2.619E-27	1.4244E-25	-0.37426	hypo	sig	chr9_103999768
chr1	47444450	47444450	+	2.626E-27	1.428E-25	0.299709	hyper	sig	chr1_47444450
chr20	30316225	30316225	+	2.628E-27	1.4288E-25	0.39987	hyper	sig	chr20_30316225
chr16	57802998	57802998	+	2.631E-27	1.4304E-25	0.440177	hyper	sig	chr16_57802998
chr10	1.14E+08	113552813	+	2.632E-27	1.431E-25	-0.28642	hypo	sig	chr10_113552813
chr20	56344238	56344238	+	2.636E-27	1.4329E-25	0.305429	hyper	sig	chr20_56344238
chr9	1.37E+08	137078926	+	2.64E-27	1.4349E-25	0.384134	hyper	sig	chr9_137078926
chr8	1.42E+08	141974076	+	2.642E-27	1.4358E-25	-0.31994	hypo	sig	chr8_141974076
chr8	1160529	1160529	+	2.645E-27	1.4377E-25	-0.34714	hypo	sig	chr8_1160529
chr3	1.26E+08	125954645	+	2.651E-27	1.4404E-25	-0.31286	hypo	sig	chr3_125954645
chr2	2.38E+08	238494328	+	2.651E-27	1.4408E-25	-0.37384	hypo	sig	chr2_238494328
chr4	1.55E+08	154743029	+	2.654E-27	1.4421E-25	0.331041	hyper	sig	chr4_154743029
chr2	63806639	63806639	+	2.662E-27	1.4465E-25	-0.4714	hypo	sig	chr2_63806639
chr22	45671232	45671232	+	2.662E-27	1.4466E-25	0.284767	hyper	sig	chr22_45671232
chr3	32109737	32109737	+	2.665E-27	1.4478E-25	0.324324	hyper	sig	chr3_32109737
chr1	1.19E+08	119000499	+	2.668E-27	1.4493E-25	0.335662	hyper	sig	chr1_119000499
chr4	1.85E+08	185018893	+	2.668E-27	1.4495E-25	0.2665	hyper	sig	chr4_185018893
chr6	31728893	31728893	+	2.678E-27	1.4547E-25	0.291549	hyper	sig	chr6_31728893
chr12	53945134	53945134	+	2.681E-27	1.4564E-25	0.329093	hyper	sig	chr12_53945134
chr10	27746281	27746281	+	2.685E-27	1.4584E-25	0.261396	hyper	sig	chr10_27746281
chr10	7408531	7408531	+	2.689E-27	1.4602E-25	0.319556	hyper	sig	chr10_7408531
chr12	29783543	29783543	+	2.699E-27	1.4654E-25	0.271485	hyper	sig	chr12_29783543
chr5	2186742	2186742	+	2.7E-27	1.4661E-25	-0.38481	hypo	sig	chr5_2186742
chr19	19860855	19860855	+	2.7E-27	1.4661E-25	0.355344	hyper	sig	chr19_19860855
chr8	1.41E+08	141170319	+	2.703E-27	1.4675E-25	0.268242	hyper	sig	chr8_141170319
chr5	1.46E+08	146379214	+	2.709E-27	1.4709E-25	0.371005	hyper	sig	chr5_146379214
chr11	268976	268976	+	2.711E-27	1.4712E-25	-0.21523	hypo	sig	chr11_268976
chr2	74499902	74499902	+	2.71E-27	1.4712E-25	0.307263	hyper	sig	chr2_74499902
chr22	48549837	48549837	+	2.71E-27	1.4712E-25	-0.36072	hypo	sig	chr22_48549837
chr1	1.47E+08	147072761	+	2.713E-27	1.4726E-25	0.390518	hyper	sig	chr1_147072761
chr8	96159784	96159784	+	2.714E-27	1.4728E-25	0.323238	hyper	sig	chr8_96159784
chr7	27143952	27143952	+	2.719E-27	1.4754E-25	0.351094	hyper	sig	chr7_27143952
chr8	68331324	68331324	+	2.722E-27	1.4768E-25	0.344633	hyper	sig	chr8_68331324
chr4	4858157	4858157	+	2.722E-27	1.4771E-25	0.363335	hyper	sig	chr4_4858157
chr19	13705392	13705392	+	2.724E-27	1.4777E-25	-0.35135	hypo	sig	chr19_13705392
chr1	1.19E+08	118984754	+	2.724E-27	1.4779E-25	0.249531	hyper	sig	chr1_118984754
chr3	61250256	61250256	+	2.724E-27	1.4779E-25	-0.23522	hypo	sig	chr3_61250256
chr2	1.27E+08	127025055	+	2.726E-27	1.4789E-25	0.276207	hyper	sig	chr2_127025055
chr4	1.53E+08	153249676	+	2.726E-27	1.4789E-25	0.27292	hyper	sig	chr4_153249676
chr2	63055832	63055832	+	2.736E-27	1.4838E-25	0.291478	hyper	sig	chr2_63055832
chr2	73291597	73291597	+	2.743E-27	1.4875E-25	0.300242	hyper	sig	chr2_73291597
chr16	533662	533662	+	2.748E-27	1.4904E-25	-0.32999	hypo	sig	chr16_533662
chr4	1.22E+08	122380050	+	2.752E-27	1.492E-25	-0.30833	hypo	sig	chr4_122380050
chr19	48491620	48491620	+	2.76E-27	1.4963E-25	0.295006	hyper	sig	chr19_48491620
chr11	79438849	79438849	+	2.76E-27	1.4964E-25	0.245354	hyper	sig	chr11_79438849
chr3	68008177	68008177	+	2.766E-27	1.4997E-25	0.283907	hyper	sig	chr3_68008177
chr13	1.12E+08	112069116	+	2.767E-27	1.4997E-25	0.364978	hyper	sig	chr13_112069116
chr19	12648259	12648259	+	2.767E-27	1.4997E-25	0.311922	hyper	sig	chr19_12648259

chr4	1212216	1212216	+	2.771E-27	1.5017E-25	0.311783	hyper	sig	chr4_1212216
chr17	42699091	42699091	+	2.774E-27	1.5035E-25	0.324765	hyper	sig	chr17_42699091
chr19	40483878	40483878	+	2.775E-27	1.504E-25	-0.36513	hypo	sig	chr19_40483878
chr1	12167841	12167841	+	2.776E-27	1.5043E-25	-0.25735	hypo	sig	chr1_12167841
chr7	18087475	18087475	+	2.778E-27	1.5051E-25	0.324587	hyper	sig	chr7_18087475
chr6	1.06E+08	105993593	+	2.78E-27	1.5059E-25	0.314561	hyper	sig	chr6_105993593
chr8	1.41E+08	141170260	+	2.78E-27	1.5062E-25	0.289592	hyper	sig	chr8_141170260
chr3	1.92E+08	192408843	+	2.79E-27	1.5116E-25	0.295142	hyper	sig	chr3_192408843
chr19	57888864	57888864	+	2.792E-27	1.5123E-25	0.292034	hyper	sig	chr19_57888864
chr7	4269470	4269470	+	2.797E-27	1.5148E-25	-0.38777	hypo	sig	chr7_4269470
chr8	1.03E+08	102738771	+	2.799E-27	1.5159E-25	-0.30122	hypo	sig	chr8_102738771
chr7	71132472	71132472	+	2.8E-27	1.5165E-25	0.415278	hyper	sig	chr7_71132472
chr6	55579393	55579393	+	2.801E-27	1.517E-25	0.278117	hyper	sig	chr6_55579393
chr11	31800713	31800713	+	2.808E-27	1.5207E-25	0.274623	hyper	sig	chr11_31800713
chr3	11568740	11568740	+	2.815E-27	1.5242E-25	0.320222	hyper	sig	chr3_11568740
chr12	1.31E+08	130732606	+	2.817E-27	1.5251E-25	-0.32387	hypo	sig	chr12_130732606
chr8	1.04E+08	104467192	+	2.821E-27	1.5272E-25	0.295649	hyper	sig	chr8_104467192
chr6	71886863	71886863	+	2.823E-27	1.5284E-25	0.349681	hyper	sig	chr6_71886863
chr5	1.41E+08	141374111	+	2.824E-27	1.5285E-25	0.36875	hyper	sig	chr5_141374111
chr6	33123790	33123790	+	2.824E-27	1.5285E-25	-0.33001	hypo	sig	chr6_33123790
chr19	52453591	52453591	+	2.831E-27	1.532E-25	0.287524	hyper	sig	chr19_52453591
chr5	10562971	10562971	+	2.832E-27	1.5327E-25	0.383682	hyper	sig	chr5_10562971
chr1	31772340	31772340	+	2.849E-27	1.5419E-25	0.28014	hyper	sig	chr1_31772340
chr5	71601569	71601569	+	2.857E-27	1.5461E-25	-0.30188	hypo	sig	chr5_71601569
chr21	36710799	36710799	+	2.858E-27	1.5463E-25	0.358378	hyper	sig	chr21_36710799
chr20	63123517	63123517	+	2.862E-27	1.5483E-25	-0.32608	hypo	sig	chr20_63123517
chr13	1.1E+08	110306675	+	2.874E-27	1.5549E-25	0.39365	hyper	sig	chr13_110306675
chr16	54936592	54936592	+	2.881E-27	1.5584E-25	0.261698	hyper	sig	chr16_54936592
chr4	7215270	7215270	+	2.881E-27	1.5584E-25	-0.35762	hypo	sig	chr4_7215270
chr20	21517700	21517700	+	2.884E-27	1.5598E-25	0.34333	hyper	sig	chr20_21517700
chr22	20429618	20429618	+	2.888E-27	1.5621E-25	-0.35208	hypo	sig	chr22_20429618
chr1	2E+08	200035349	+	2.889E-27	1.5627E-25	0.300702	hyper	sig	chr1_200035349
chr2	44932859	44932859	+	2.891E-27	1.5633E-25	0.411458	hyper	sig	chr2_44932859
chr11	72251493	72251493	+	2.892E-27	1.5642E-25	-0.27388	hypo	sig	chr11_72251493
chr13	1.12E+08	112106870	+	2.896E-27	1.5659E-25	0.305293	hyper	sig	chr13_112106870
chr14	99974912	99974912	+	2.898E-27	1.567E-25	-0.42225	hypo	sig	chr14_99974912
chr12	1.23E+08	123042609	+	2.901E-27	1.5687E-25	0.322611	hyper	sig	chr12_123042609
chr2	1.19E+08	119159086	+	2.902E-27	1.5687E-25	0.288897	hyper	sig	chr2_119159086
chr6	1.7E+08	170477214	+	2.907E-27	1.5716E-25	-0.3318	hypo	sig	chr6_170477214
chr7	1.54E+08	153749643	+	2.913E-27	1.5746E-25	0.33666	hyper	sig	chr7_153749643
chr18	78981200	78981200	+	2.915E-27	1.5755E-25	0.406495	hyper	sig	chr18_78981200
chr11	31826941	31826941	+	2.915E-27	1.5757E-25	0.355471	hyper	sig	chr11_31826941
chr11	1.34E+08	134152889	+	2.917E-27	1.5766E-25	0.307164	hyper	sig	chr11_134152889
chr12	1.2E+08	119803965	+	2.92E-27	1.5782E-25	0.342352	hyper	sig	chr12_119803965
chr3	1.28E+08	128481877	+	2.921E-27	1.5785E-25	0.352595	hyper	sig	chr3_128481877
chr17	42563226	42563226	+	2.921E-27	1.5786E-25	-0.31116	hypo	sig	chr17_42563226
chr4	13543679	13543679	+	2.93E-27	1.5833E-25	0.294446	hyper	sig	chr4_13543679
chr2	2.34E+08	233982845	+	2.932E-27	1.5839E-25	-0.28418	hypo	sig	chr2_233982845
chr1	2.25E+08	225484127	+	2.936E-27	1.5859E-25	0.318678	hyper	sig	chr1_225484127
chr11	8169058	8169058	+	2.937E-27	1.5863E-25	0.261679	hyper	sig	chr11_8169058
chr19	1077245	1077245	+	2.939E-27	1.5877E-25	-0.23533	hypo	sig	chr19_1077245
chr5	1.81E+08	181100613	+	2.941E-27	1.5884E-25	0.319191	hyper	sig	chr5_181100613
chr6	1.66E+08	166005423	+	2.947E-27	1.5914E-25	0.283472	hyper	sig	chr6_166005423
chr17	38841239	38841239	+	2.949E-27	1.5926E-25	0.357196	hyper	sig	chr17_38841239
chr11	45930232	45930232	+	2.952E-27	1.5943E-25	-0.30871	hypo	sig	chr11_45930232
chr12	57487395	57487395	+	2.955E-27	1.5956E-25	-0.2405	hypo	sig	chr12_57487395

chr8	1.42E+08	142430214	+	2.96E-27	1.5982E-25	-0.39018	hypo	sig	chr8_142430214
chr8	1.43E+08	143391383	+	2.962E-27	1.5993E-25	-0.32963	hypo	sig	chr8_143391383
chr6	1.7E+08	170459670	+	2.964E-27	1.6003E-25	-0.20712	hypo	sig	chr6_170459670
chr15	45379081	45379081	+	2.97E-27	1.6032E-25	0.26263	hyper	sig	chr15_45379081
chr1	3068026	3068026	+	2.971E-27	1.604E-25	0.315776	hyper	sig	chr1_3068026
chr13	20177135	20177135	+	2.974E-27	1.6051E-25	0.329175	hyper	sig	chr13_20177135
chr10	8052473	8052473	+	2.979E-27	1.6079E-25	0.273811	hyper	sig	chr10_8052473
chr8	64576258	64576258	+	2.982E-27	1.6092E-25	0.265872	hyper	sig	chr8_64576258
chr20	1002125	1002125	+	2.984E-27	1.6103E-25	0.269912	hyper	sig	chr20_1002125
chr5	51389734	51389734	+	2.985E-27	1.6107E-25	0.274723	hyper	sig	chr5_51389734
chr17	72445997	72445997	+	2.991E-27	1.6138E-25	-0.30734	hypo	sig	chr17_72445997
chr14	36667093	36667093	+	2.992E-27	1.6144E-25	0.324037	hyper	sig	chr14_36667093
chr1	27492534	27492534	+	2.993E-27	1.6146E-25	0.335715	hyper	sig	chr1_27492534
chr7	1.58E+08	157663351	+	3.012E-27	1.6252E-25	0.340113	hyper	sig	chr7_157663351
chr17	80478204	80478204	+	3.025E-27	1.6318E-25	0.342684	hyper	sig	chr17_80478204
chr18	6929774	6929774	+	3.026E-27	1.6324E-25	-0.38176	hypo	sig	chr18_6929774
chr4	212758	212758	+	3.03E-27	1.6343E-25	0.310368	hyper	sig	chr4_212758
chr11	19350687	19350687	+	3.034E-27	1.6362E-25	-0.33167	hypo	sig	chr11_19350687
chr20	63254910	63254910	+	3.036E-27	1.6373E-25	0.344946	hyper	sig	chr20_63254910
chr4	1.85E+08	185016249	+	3.038E-27	1.6385E-25	0.278028	hyper	sig	chr4_185016249
chr2	392881	392881	+	3.045E-27	1.6418E-25	-0.31241	hypo	sig	chr2_392881
chr7	1.54E+08	153886467	+	3.045E-27	1.6418E-25	0.395805	hyper	sig	chr7_153886467
chr2	1.77E+08	176645757	+	3.054E-27	1.6467E-25	-0.29002	hypo	sig	chr2_176645757
chr3	42936372	42936372	+	3.056E-27	1.6476E-25	0.278255	hyper	sig	chr3_42936372
chr12	96489433	96489433	+	3.059E-27	1.6489E-25	0.203193	hyper	sig	chr12_96489433
chr11	314074	314074	+	3.063E-27	1.6513E-25	-0.23723	hypo	sig	chr11_314074
chr10	1518468	1518468	+	3.069E-27	1.654E-25	-0.3119	hypo	sig	chr10_1518468
chr2	27083815	27083815	+	3.069E-27	1.654E-25	0.335609	hyper	sig	chr2_27083815
chr4	1.04E+08	103720107	+	3.069E-27	1.654E-25	0.316902	hyper	sig	chr4_103720107
chr21	43826602	43826602	+	3.072E-27	1.6555E-25	0.315124	hyper	sig	chr21_43826602
chr12	43552103	43552103	+	3.086E-27	1.663E-25	0.373442	hyper	sig	chr12_43552103
chr11	20159910	20159910	+	3.087E-27	1.6636E-25	0.346542	hyper	sig	chr11_20159910
chr11	1060673	1060673	+	3.089E-27	1.6644E-25	-0.35757	hypo	sig	chr11_1060673
chr7	70596703	70596703	+	3.089E-27	1.6645E-25	-0.38901	hypo	sig	chr7_70596703
chr6	72621614	72621614	+	3.104E-27	1.672E-25	0.315944	hyper	sig	chr6_72621614
chr3	62374085	62374085	+	3.104E-27	1.672E-25	0.309441	hyper	sig	chr3_62374085
chr19	3398785	3398785	+	3.105E-27	1.6723E-25	0.316707	hyper	sig	chr19_3398785
chr5	1.79E+08	178940637	+	3.115E-27	1.6777E-25	0.405181	hyper	sig	chr5_178940637
chr6	1.67E+08	167286470	+	3.117E-27	1.6786E-25	-0.27095	hypo	sig	chr6_167286470
chr10	633437	633437	+	3.122E-27	1.6812E-25	0.297935	hyper	sig	chr10_633437
chr17	9226879	9226879	+	3.143E-27	1.6923E-25	-0.24169	hypo	sig	chr17_9226879
chr17	2421846	2421846	+	3.148E-27	1.6948E-25	0.261224	hyper	sig	chr17_2421846
chr8	41309594	41309594	+	3.15E-27	1.6958E-25	0.269454	hyper	sig	chr8_41309594
chr6	29793087	29793087	+	3.154E-27	1.6981E-25	0.255863	hyper	sig	chr6_29793087
chr1	2.33E+08	232805422	+	3.164E-27	1.7032E-25	0.200892	hyper	sig	chr1_232805422
chr7	72334235	72334235	+	3.166E-27	1.7043E-25	-0.25368	hypo	sig	chr7_72334235
chr10	1.01E+08	100520197	+	3.169E-27	1.7058E-25	0.314137	hyper	sig	chr10_100520197
chr6	33007147	33007147	+	3.176E-27	1.7092E-25	-0.26937	hypo	sig	chr6_33007147
chr6	50707833	50707833	+	3.177E-27	1.7097E-25	0.278138	hyper	sig	chr6_50707833
chr5	601425	601425	+	3.179E-27	1.711E-25	-0.3143	hypo	sig	chr5_601425
chr3	1.61E+08	161105467	+	3.18E-27	1.711E-25	0.200891	hyper	sig	chr3_161105467
chr5	1.81E+08	181100657	+	3.182E-27	1.7121E-25	0.327906	hyper	sig	chr5_181100657
chr2	1.19E+08	118843370	+	3.185E-27	1.7136E-25	0.513066	hyper	sig	chr2_118843370
chr7	1.5E+08	149862376	+	3.191E-27	1.7168E-25	-0.31889	hypo	sig	chr7_149862376
chr11	34204894	34204894	+	3.197E-27	1.7201E-25	-0.31847	hypo	sig	chr11_34204894
chr19	58098385	58098385	+	3.205E-27	1.7241E-25	0.218521	hyper	sig	chr19_58098385

chr8	1.31E+08	131042483	+	3.207E-27	1.725E-25	0.372116	hyper	sig	chr8_131042483
chr2	2.35E+08	235027833	+	3.212E-27	1.7276E-25	-0.28918	hypo	sig	chr2_235027833
chr1	2.36E+08	236065498	+	3.214E-27	1.7288E-25	0.284698	hyper	sig	chr1_236065498
chr16	991167	991167	+	3.218E-27	1.7309E-25	-0.31527	hypo	sig	chr16_991167
chr8	11704022	11704022	+	3.221E-27	1.7323E-25	0.257464	hyper	sig	chr8_11704022
chr12	52233533	52233533	+	3.223E-27	1.7329E-25	0.403828	hyper	sig	chr12_52233533
chr19	56393701	56393701	+	3.227E-27	1.735E-25	0.338872	hyper	sig	chr19_56393701
chr4	3385554	3385554	+	3.251E-27	1.7481E-25	-0.35239	hypo	sig	chr4_3385554
chr13	1.01E+08	101416631	+	3.254E-27	1.7494E-25	0.344395	hyper	sig	chr13_101416631
chr21	40847373	40847373	+	3.256E-27	1.7502E-25	0.368603	hyper	sig	chr21_40847373
chr12	63151086	63151086	+	3.256E-27	1.7505E-25	0.324053	hyper	sig	chr12_63151086
chr5	1.5E+08	150303305	+	3.257E-27	1.7508E-25	0.360679	hyper	sig	chr5_150303305
chr3	1.86E+08	185503316	+	3.261E-27	1.7525E-25	-0.37031	hypo	sig	chr3_185503316
chr6	62286073	62286073	+	3.261E-27	1.7526E-25	0.322253	hyper	sig	chr6_62286073
chr12	1.2E+08	119593974	+	3.264E-27	1.7541E-25	0.257705	hyper	sig	chr12_119593974
chr13	1.1E+08	110438576	+	3.264E-27	1.7541E-25	-0.37602	hypo	sig	chr13_110438576
chr1	6474389	6474389	+	3.265E-27	1.7546E-25	-0.31834	hypo	sig	chr1_6474389
chr6	1.08E+08	108166625	+	3.265E-27	1.7546E-25	0.263948	hyper	sig	chr6_108166625
chr5	1.73E+08	173236705	+	3.266E-27	1.7547E-25	0.391144	hyper	sig	chr5_173236705
chr5	1.41E+08	141485166	+	3.268E-27	1.7554E-25	0.298843	hyper	sig	chr5_141485166
chr8	49910981	49910981	+	3.271E-27	1.7572E-25	0.267438	hyper	sig	chr8_49910981
chr4	1.51E+08	150579850	+	3.276E-27	1.7598E-25	0.446719	hyper	sig	chr4_150579850
chr2	71560678	71560678	+	3.277E-27	1.7601E-25	0.322217	hyper	sig	chr2_71560678
chr6	27545791	27545791	+	3.281E-27	1.7619E-25	0.270889	hyper	sig	chr6_27545791
chr10	1.23E+08	123143770	+	3.282E-27	1.7625E-25	0.337824	hyper	sig	chr10_123143770
chr6	10417455	10417455	+	3.286E-27	1.7644E-25	0.302761	hyper	sig	chr6_10417455
chr7	1.59E+08	159143993	+	3.286E-27	1.7644E-25	0.333798	hyper	sig	chr7_159143993
chr4	84501300	84501300	+	3.289E-27	1.766E-25	0.342573	hyper	sig	chr4_84501300
chr19	11454680	11454680	+	3.289E-27	1.766E-25	-0.3214	hypo	sig	chr19_11454680
chr17	36946004	36946004	+	3.292E-27	1.7673E-25	0.270833	hyper	sig	chr17_36946004
chr17	18377707	18377707	+	3.302E-27	1.7727E-25	-0.36868	hypo	sig	chr17_18377707
chr6	80070549	80070549	+	3.303E-27	1.7727E-25	-0.37024	hypo	sig	chr6_80070549
chr13	1.1E+08	109782120	+	3.307E-27	1.7749E-25	-0.55088	hypo	sig	chr13_109782120
chr3	1.43E+08	142964403	+	3.307E-27	1.7751E-25	0.411172	hyper	sig	chr3_142964403
chr15	96782531	96782531	+	3.313E-27	1.778E-25	-0.33679	hypo	sig	chr15_96782531
chr6	32153178	32153178	+	3.315E-27	1.779E-25	0.284765	hyper	sig	chr6_32153178
chr3	42704298	42704298	+	3.317E-27	1.7801E-25	-0.30239	hypo	sig	chr3_42704298
chr3	26623836	26623836	+	3.322E-27	1.7822E-25	0.38634	hyper	sig	chr3_26623836
chr8	96159791	96159791	+	3.324E-27	1.7832E-25	0.326401	hyper	sig	chr8_96159791
chr1	1.46E+08	146486691	+	3.326E-27	1.7845E-25	0.385448	hyper	sig	chr1_146486691
chr7	1E+08	100169412	+	3.339E-27	1.7914E-25	-0.30931	hypo	sig	chr7_100169412
chr6	28635087	28635087	+	3.349E-27	1.7963E-25	0.228999	hyper	sig	chr6_28635087
chr17	82389045	82389045	+	3.356E-27	1.8002E-25	-0.32271	hypo	sig	chr17_82389045
chr12	1.17E+08	117030702	+	3.364E-27	1.8041E-25	0.368508	hyper	sig	chr12_117030702
chr19	58204641	58204641	+	3.364E-27	1.8044E-25	0.337624	hyper	sig	chr19_58204641
chr9	1.28E+08	127875222	+	3.379E-27	1.8121E-25	0.376225	hyper	sig	chr9_127875222
chr11	2140916	2140916	+	3.392E-27	1.8187E-25	0.419548	hyper	sig	chr11_2140916
chr2	23617703	23617703	+	3.392E-27	1.8188E-25	0.328476	hyper	sig	chr2_23617703
chr19	49133361	49133361	+	3.406E-27	1.8265E-25	0.37049	hyper	sig	chr19_49133361
chr16	1026223	1026223	+	3.411E-27	1.8288E-25	0.300511	hyper	sig	chr16_1026223
chr12	53966676	53966676	+	3.414E-27	1.8304E-25	0.352965	hyper	sig	chr12_53966676
chr13	1.13E+08	113109838	+	3.417E-27	1.8317E-25	0.512097	hyper	sig	chr13_113109838
chr5	1.32E+08	132492260	+	3.423E-27	1.8349E-25	-0.28379	hypo	sig	chr5_132492260
chr5	7827002	7827002	+	3.424E-27	1.8353E-25	-0.31401	hypo	sig	chr5_7827002
chr16	86580175	86580175	+	3.428E-27	1.8372E-25	0.345455	hyper	sig	chr16_86580175
chr7	4739681	4739681	+	3.429E-27	1.8376E-25	0.310245	hyper	sig	chr7_4739681

chr2	73988532	73988532	+	3.439E-27	1.8428E-25	0.308176	hyper	sig	chr2_73988532
chr12	1.19E+08	118980987	+	3.441E-27	1.8437E-25	0.416417	hyper	sig	chr12_118980987
chr7	1.5E+08	150047449	+	3.441E-27	1.8437E-25	0.354663	hyper	sig	chr7_150047449
chr12	84912722	84912722	+	3.443E-27	1.8445E-25	0.333777	hyper	sig	chr12_84912722
chr12	1.3E+08	129907696	+	3.444E-27	1.8451E-25	-0.34759	hypo	sig	chr12_129907696
chr7	27110629	27110629	+	3.444E-27	1.8451E-25	0.377701	hyper	sig	chr7_27110629
chr3	1.85E+08	184583490	+	3.452E-27	1.8492E-25	0.414545	hyper	sig	chr3_184583490
chr2	2.22E+08	222300171	+	3.452E-27	1.8493E-25	0.311695	hyper	sig	chr2_222300171
chr20	41366960	41366960	+	3.453E-27	1.8496E-25	0.313688	hyper	sig	chr20_41366960
chr15	59995279	59995279	+	3.459E-27	1.8524E-25	0.277617	hyper	sig	chr15_59995279
chr3	1.8E+08	180324947	+	3.469E-27	1.858E-25	-0.32776	hypo	sig	chr3_180324947
chr5	44388847	44388847	+	3.471E-27	1.8587E-25	0.31568	hyper	sig	chr5_44388847
chr19	12195362	12195362	+	3.476E-27	1.8612E-25	0.282207	hyper	sig	chr19_12195362
chr19	53467750	53467750	+	3.477E-27	1.8617E-25	0.200986	hyper	sig	chr19_53467750
chr12	54090555	54090555	+	3.48E-27	1.863E-25	0.34629	hyper	sig	chr12_54090555
chr12	84912523	84912523	+	3.486E-27	1.8662E-25	0.316215	hyper	sig	chr12_84912523
chr11	2160331	2160331	+	3.488E-27	1.8674E-25	-0.3929	hypo	sig	chr11_2160331
chr7	97007377	97007377	+	3.489E-27	1.8677E-25	0.333669	hyper	sig	chr7_97007377
chr19	57888803	57888803	+	3.509E-27	1.8783E-25	0.264403	hyper	sig	chr19_57888803
chr1	5847411	5847411	+	3.521E-27	1.8847E-25	0.294001	hyper	sig	chr1_5847411
chr15	79091418	79091418	+	3.53E-27	1.8894E-25	0.255334	hyper	sig	chr15_79091418
chr5	1.73E+08	172748642	+	3.533E-27	1.8904E-25	0.420675	hyper	sig	chr5_172748642
chr2	2.32E+08	232486266	+	3.545E-27	1.8971E-25	0.30855	hyper	sig	chr2_232486266
chr4	95548472	95548472	+	3.55E-27	1.8995E-25	0.231607	hyper	sig	chr4_95548472
chr11	1043916	1043916	+	3.551E-27	1.8998E-25	-0.27705	hypo	sig	chr11_1043916
chr7	27239981	27239981	+	3.551E-27	1.8998E-25	0.346017	hyper	sig	chr7_27239981
chr20	58832692	58832692	+	3.552E-27	1.9003E-25	-0.32232	hypo	sig	chr20_58832692
chr6	27312185	27312185	+	3.557E-27	1.9028E-25	0.289597	hyper	sig	chr6_27312185
chr2	2.39E+08	239309131	+	3.57E-27	1.9094E-25	0.335162	hyper	sig	chr2_239309131
chr7	91267264	91267264	+	3.57E-27	1.9094E-25	0.35662	hyper	sig	chr7_91267264
chr11	72013292	72013292	+	3.578E-27	1.9134E-25	0.294508	hyper	sig	chr11_72013292
chr1	2.1E+08	210293127	+	3.59E-27	1.9198E-25	0.344675	hyper	sig	chr1_210293127
chr19	52536126	52536126	+	3.59E-27	1.9198E-25	0.341977	hyper	sig	chr19_52536126
chr9	1.31E+08	130894308	+	3.591E-27	1.9201E-25	0.287718	hyper	sig	chr9_130894308
chr5	1.41E+08	141371946	+	3.6E-27	1.925E-25	0.3416	hyper	sig	chr5_141371946
chr7	1.57E+08	157022384	+	3.601E-27	1.925E-25	0.37341	hyper	sig	chr7_157022384
chr11	32437263	32437263	+	3.606E-27	1.9279E-25	0.297685	hyper	sig	chr11_32437263
chr3	70617647	70617647	+	3.61E-27	1.9298E-25	-0.37383	hypo	sig	chr3_70617647
chr6	31139164	31139164	+	3.61E-27	1.9298E-25	-0.34591	hypo	sig	chr6_31139164
chr19	2251867	2251867	+	3.611E-27	1.9298E-25	0.304815	hyper	sig	chr19_2251867
chr17	79183627	79183627	+	3.622E-27	1.9358E-25	0.313916	hyper	sig	chr17_79183627
chr19	56368564	56368564	+	3.634E-27	1.9421E-25	0.334267	hyper	sig	chr19_56368564
chr14	1.04E+08	103513123	+	3.646E-27	1.9484E-25	0.309314	hyper	sig	chr14_103513123
chr10	1.01E+08	100830630	+	3.654E-27	1.9525E-25	0.288272	hyper	sig	chr10_100830630
chr7	2630281	2630281	+	3.656E-27	1.9533E-25	-0.30937	hypo	sig	chr7_2630281
chr13	77919159	77919159	+	3.658E-27	1.9544E-25	0.29252	hyper	sig	chr13_77919159
chr13	77919147	77919147	+	3.659E-27	1.9547E-25	0.302076	hyper	sig	chr13_77919147
chr2	1665313	1665313	+	3.66E-27	1.9551E-25	-0.25057	hypo	sig	chr2_1665313
chr5	55223248	55223248	+	3.662E-27	1.9558E-25	0.360695	hyper	sig	chr5_55223248
chr9	1.35E+08	134643380	+	3.666E-27	1.9583E-25	0.338189	hyper	sig	chr9_134643380
chr1	21938634	21938634	+	3.671E-27	1.9604E-25	0.357294	hyper	sig	chr1_21938634
chr12	52244460	52244460	+	3.682E-27	1.9661E-25	-0.39274	hypo	sig	chr12_52244460
chr17	41529272	41529272	+	3.682E-27	1.9665E-25	-0.24974	hypo	sig	chr17_41529272
chr2	91443088	91443088	+	3.689E-27	1.97E-25	0.340514	hyper	sig	chr2_91443088
chr16	1965722	1965722	+	3.698E-27	1.9747E-25	-0.29377	hypo	sig	chr16_1965722
chr9	1.37E+08	137078897	+	3.712E-27	1.9821E-25	0.346567	hyper	sig	chr9_137078897

chr14	1.01E+08	101060709	+	3.717E-27	1.9841E-25	-0.29536	hypo	sig	chr14_101060709
chr15	39584019	39584019	+	3.722E-27	1.9866E-25	0.355492	hyper	sig	chr15_39584019
chr20	24471182	24471182	+	3.723E-27	1.9872E-25	0.320159	hyper	sig	chr20_24471182
chr5	2749669	2749669	+	3.729E-27	1.9902E-25	0.392328	hyper	sig	chr5_2749669
chr11	61334748	61334748	+	3.744E-27	1.9984E-25	-0.36467	hypo	sig	chr11_61334748
chr2	2.34E+08	233729623	+	3.76E-27	2.0067E-25	-0.3588	hypo	sig	chr2_233729623
chr6	32058109	32058109	+	3.762E-27	2.0075E-25	-0.29759	hypo	sig	chr6_32058109
chr2	2.33E+08	233469729	+	3.763E-27	2.0076E-25	0.265024	hyper	sig	chr2_233469729
chr13	45851302	45851302	+	3.765E-27	2.009E-25	0.248014	hyper	sig	chr13_45851302
chr6	79947219	79947219	+	3.773E-27	2.013E-25	0.218038	hyper	sig	chr6_79947219
chr11	30585531	30585531	+	3.782E-27	2.0174E-25	0.311105	hyper	sig	chr11_30585531
chr16	1543556	1543556	+	3.782E-27	2.0174E-25	-0.29048	hypo	sig	chr16_1543556
chr19	7880058	7880058	+	3.782E-27	2.0174E-25	-0.36129	hypo	sig	chr19_7880058
chr8	1.43E+08	142681994	+	3.782E-27	2.0174E-25	-0.32157	hypo	sig	chr8_142681994
chr2	38515647	38515647	+	3.783E-27	2.0176E-25	0.313801	hyper	sig	chr2_38515647
chr11	1.02E+08	101583917	+	3.785E-27	2.0185E-25	0.402501	hyper	sig	chr11_101583917
chr3	68932807	68932807	+	3.793E-27	2.0224E-25	0.295997	hyper	sig	chr3_68932807
chr1	38578524	38578524	+	3.801E-27	2.0269E-25	0.257935	hyper	sig	chr1_38578524
chr16	86495424	86495424	+	3.804E-27	2.0284E-25	0.355649	hyper	sig	chr16_86495424
chr16	86516387	86516387	+	3.805E-27	2.0288E-25	0.346709	hyper	sig	chr16_86516387
chr17	41520503	41520503	+	3.806E-27	2.0288E-25	-0.29337	hypo	sig	chr17_41520503
chr14	60506814	60506814	+	3.808E-27	2.0302E-25	0.291231	hyper	sig	chr14_60506814
chr10	78278147	78278147	+	3.816E-27	2.0338E-25	-0.34623	hypo	sig	chr10_78278147
chr17	43857555	43857555	+	3.822E-27	2.0371E-25	-0.38015	hypo	sig	chr17_43857555
chr19	5037167	5037167	+	3.824E-27	2.038E-25	0.325167	hyper	sig	chr19_5037167
chr19	49133346	49133346	+	3.826E-27	2.0391E-25	0.341435	hyper	sig	chr19_49133346
chr13	1.12E+08	112184620	+	3.836E-27	2.0441E-25	-0.3547	hypo	sig	chr13_112184620
chr1	9654222	9654222	+	3.836E-27	2.0443E-25	-0.38193	hypo	sig	chr1_9654222
chr3	1.82E+08	181726633	+	3.839E-27	2.0456E-25	0.277902	hyper	sig	chr3_181726633
chr11	63536626	63536626	+	3.844E-27	2.048E-25	-0.26552	hypo	sig	chr11_63536626
chr6	1.44E+08	144158233	+	3.844E-27	2.048E-25	0.287634	hyper	sig	chr6_144158233
chr13	1.13E+08	113449742	+	3.853E-27	2.0526E-25	-0.32365	hypo	sig	chr13_113449742
chr11	1344362	1344362	+	3.86E-27	2.0562E-25	-0.31062	hypo	sig	chr11_1344362
chr7	1296429	1296429	+	3.869E-27	2.0608E-25	-0.40976	hypo	sig	chr7_1296429
chr16	253193	253193	+	3.879E-27	2.0662E-25	-0.41172	hypo	sig	chr16_253193
chr13	1.11E+08	111359712	+	3.882E-27	2.0677E-25	-0.29212	hypo	sig	chr13_111359712
chr6	30163942	30163942	+	3.884E-27	2.0682E-25	-0.3074	hypo	sig	chr6_30163942
chr7	8442425	8442425	+	3.885E-27	2.069E-25	0.359584	hyper	sig	chr7_8442425
chr20	5302302	5302302	+	3.888E-27	2.0701E-25	-0.25707	hypo	sig	chr20_5302302
chr7	1246688	1246688	+	3.888E-27	2.0701E-25	0.25852	hyper	sig	chr7_1246688
chr3	1.82E+08	181723783	+	3.889E-27	2.0705E-25	0.320461	hyper	sig	chr3_181723783
chr2	2.35E+08	235027786	+	3.903E-27	2.0777E-25	-0.3069	hypo	sig	chr2_235027786
chr20	40690698	40690698	+	3.916E-27	2.0845E-25	0.33975	hyper	sig	chr20_40690698
chr21	36697065	36697065	+	3.921E-27	2.0869E-25	0.325073	hyper	sig	chr21_36697065
chr19	52536243	52536243	+	3.922E-27	2.0876E-25	0.334655	hyper	sig	chr19_52536243
chr4	26804643	26804643	+	3.931E-27	2.0922E-25	0.296951	hyper	sig	chr4_26804643
chr1	54548324	54548324	+	3.936E-27	2.0945E-25	0.412044	hyper	sig	chr1_54548324
chr16	66579231	66579231	+	3.945E-27	2.0994E-25	0.255496	hyper	sig	chr16_66579231
chr19	58009800	58009800	+	3.947E-27	2.1005E-25	0.271522	hyper	sig	chr19_58009800
chr2	12844657	12844657	+	3.956E-27	2.1049E-25	0.359144	hyper	sig	chr2_12844657
chr4	1211659	1211659	+	3.967E-27	2.1108E-25	0.259396	hyper	sig	chr4_1211659
chr11	1.2E+08	119671874	+	3.969E-27	2.1116E-25	0.318895	hyper	sig	chr11_119671874
chr6	1.66E+08	165847484	+	3.971E-27	2.1124E-25	-0.30704	hypo	sig	chr6_165847484
chr9	971490	971490	+	3.971E-27	2.1126E-25	0.394486	hyper	sig	chr9_971490
chr19	58098361	58098361	+	3.975E-27	2.1142E-25	0.219298	hyper	sig	chr19_58098361
chr1	12150738	12150738	+	3.977E-27	2.1154E-25	-0.30353	hypo	sig	chr1_12150738

chr2	2.07E+08	206642697	+	3.99E-27	2.1223E-25	0.379888	hyper	sig	chr2_206642697
chr11	45094033	45094033	+	4.007E-27	2.1311E-25	-0.26897	hypo	sig	chr11_45094033
chr12	4909991	4909991	+	4.013E-27	2.1342E-25	0.365461	hyper	sig	chr12_4909991
chr7	37449000	37449000	+	4.014E-27	2.1346E-25	0.26342	hyper	sig	chr7_37449000
chr13	78608058	78608058	+	4.016E-27	2.1351E-25	0.377767	hyper	sig	chr13_78608058
chr2	1.2E+08	120466263	+	4.049E-27	2.1529E-25	-0.2585	hypo	sig	chr2_120466263
chr7	1.49E+08	149462375	+	4.059E-27	2.1578E-25	-0.2989	hypo	sig	chr7_149462375
chr1	3245478	3245478	+	4.07E-27	2.1635E-25	-0.30183	hypo	sig	chr1_3245478
chr11	43581370	43581370	+	4.07E-27	2.1637E-25	0.326437	hyper	sig	chr11_43581370
chr16	30095501	30095501	+	4.074E-27	2.1656E-25	0.248638	hyper	sig	chr16_30095501
chr19	57363913	57363913	+	4.079E-27	2.1682E-25	0.223794	hyper	sig	chr19_57363913
chr7	1556619	1556619	+	4.092E-27	2.1746E-25	-0.289	hypo	sig	chr7_1556619
chr10	1.33E+08	132508830	+	4.095E-27	2.1761E-25	0.324664	hyper	sig	chr10_132508830
chr6	28814507	28814507	+	4.101E-27	2.1791E-25	0.300518	hyper	sig	chr6_28814507
chr5	2749601	2749601	+	4.102E-27	2.1797E-25	0.372024	hyper	sig	chr5_2749601
chr22	41449655	41449655	+	4.106E-27	2.1818E-25	-0.27622	hypo	sig	chr22_41449655
chr13	29505596	29505596	+	4.107E-27	2.1821E-25	-0.40435	hypo	sig	chr13_29505596
chr16	1002552	1002552	+	4.108E-27	2.1825E-25	-0.38883	hypo	sig	chr16_1002552
chr2	1.05E+08	104863796	+	4.11E-27	2.1833E-25	0.363779	hyper	sig	chr2_104863796
chr4	7193366	7193366	+	4.113E-27	2.1847E-25	0.272092	hyper	sig	chr4_7193366
chr17	45430153	45430153	+	4.12E-27	2.1884E-25	0.399205	hyper	sig	chr17_45430153
chr2	1.13E+08	113275837	+	4.121E-27	2.1885E-25	0.322023	hyper	sig	chr2_113275837
chr8	23702516	23702516	+	4.127E-27	2.1916E-25	0.314283	hyper	sig	chr8_23702516
chr16	86511114	86511114	+	4.129E-27	2.1926E-25	0.288383	hyper	sig	chr16_86511114
chr11	61334573	61334573	+	4.131E-27	2.1935E-25	-0.27556	hypo	sig	chr11_61334573
chr4	1.74E+08	173531355	+	4.134E-27	2.1948E-25	0.29672	hyper	sig	chr4_173531355
chr19	51949064	51949064	+	4.135E-27	2.1952E-25	0.325416	hyper	sig	chr19_51949064
chr6	30172485	30172485	+	4.135E-27	2.1954E-25	0.311367	hyper	sig	chr6_30172485
chr12	6620490	6620490	+	4.143E-27	2.199E-25	0.320262	hyper	sig	chr12_6620490
chr8	20312405	20312405	+	4.143E-27	2.199E-25	-0.31264	hypo	sig	chr8_20312405
chr3	9912589	9912589	+	4.144E-27	2.1996E-25	-0.33048	hypo	sig	chr3_9912589
chr2	2.27E+08	226798435	+	4.146E-27	2.2002E-25	0.2532	hyper	sig	chr2_226798435
chr22	31099176	31099176	+	4.15E-27	2.2022E-25	0.388991	hyper	sig	chr22_31099176
chr11	71206293	71206293	+	4.153E-27	2.2036E-25	0.259274	hyper	sig	chr11_71206293
chr8	52940101	52940101	+	4.172E-27	2.2139E-25	0.382035	hyper	sig	chr8_52940101
chr15	83283966	83283966	+	4.175E-27	2.2152E-25	0.338197	hyper	sig	chr15_83283966
chr10	1.01E+08	101236460	+	4.182E-27	2.2187E-25	0.244543	hyper	sig	chr10_101236460
chr3	1.97E+08	196978738	+	4.19E-27	2.2227E-25	0.322452	hyper	sig	chr3_196978738
chr8	84182725	84182725	+	4.198E-27	2.2268E-25	0.317099	hyper	sig	chr8_84182725
chr3	46465069	46465069	+	4.201E-27	2.2286E-25	0.330701	hyper	sig	chr3_46465069
chr1	2.21E+08	220891046	+	4.202E-27	2.2287E-25	-0.30699	hypo	sig	chr1_220891046
chr19	19861013	19861013	+	4.207E-27	2.2314E-25	0.301973	hyper	sig	chr19_19861013
chr4	304965	304965	+	4.211E-27	2.2334E-25	0.278427	hyper	sig	chr4_304965
chr5	1103320	1103320	+	4.213E-27	2.2343E-25	0.313116	hyper	sig	chr5_1103320
chr17	81342048	81342048	+	4.217E-27	2.2362E-25	0.34445	hyper	sig	chr17_81342048
chr11	64118232	64118232	+	4.229E-27	2.2423E-25	-0.29503	hypo	sig	chr11_64118232
chr5	31194638	31194638	+	4.229E-27	2.2423E-25	0.248166	hyper	sig	chr5_31194638
chr4	48484318	48484318	+	4.231E-27	2.2432E-25	0.290029	hyper	sig	chr4_48484318
chr14	85531441	85531441	+	4.233E-27	2.2443E-25	0.331915	hyper	sig	chr14_85531441
chr18	10589056	10589056	+	4.237E-27	2.2459E-25	-0.32647	hypo	sig	chr18_10589056
chr19	58002158	58002158	+	4.237E-27	2.2459E-25	0.266764	hyper	sig	chr19_58002158
chr6	10883585	10883585	+	4.237E-27	2.2459E-25	0.377025	hyper	sig	chr6_10883585
chr6	28810308	28810308	+	4.237E-27	2.2459E-25	0.296069	hyper	sig	chr6_28810308
chr2	1.15E+08	115163173	+	4.257E-27	2.2559E-25	0.3172	hyper	sig	chr2_115163173
chr16	88978162	88978162	+	4.264E-27	2.2597E-25	-0.26901	hypo	sig	chr16_88978162
chr16	88154998	88154998	+	4.271E-27	2.2634E-25	-0.31672	hypo	sig	chr16_88154998

chr11	313408	313408	+	4.273E-27	2.264E-25	-0.32327	hypo	sig	chr11_313408
chr16	89949642	89949642	+	4.283E-27	2.2695E-25	0.327078	hyper	sig	chr16_89949642
chr9	96219189	96219189	+	4.288E-27	2.272E-25	-0.41177	hypo	sig	chr9_96219189
chr20	33081612	33081612	+	4.293E-27	2.2745E-25	-0.3592	hypo	sig	chr20_33081612
chr8	84184960	84184960	+	4.3E-27	2.2776E-25	0.319153	hyper	sig	chr8_84184960
chr18	58047161	58047161	+	4.31E-27	2.2831E-25	0.24293	hyper	sig	chr18_58047161
chr21	42838100	42838100	+	4.312E-27	2.2837E-25	0.34319	hyper	sig	chr21_42838100
chr15	90957584	90957584	+	4.313E-27	2.2842E-25	0.383565	hyper	sig	chr15_90957584
chr17	74623919	74623919	+	4.32E-27	2.2877E-25	-0.30755	hypo	sig	chr17_74623919
chr7	781661	781661	+	4.335E-27	2.2955E-25	0.231579	hyper	sig	chr7_781661
chr15	99106289	99106289	+	4.343E-27	2.2995E-25	0.331358	hyper	sig	chr15_99106289
chr6	1.66E+08	166005541	+	4.35E-27	2.3031E-25	0.277846	hyper	sig	chr6_166005541
chr1	20473460	20473460	+	4.351E-27	2.3035E-25	0.293455	hyper	sig	chr1_20473460
chr20	62476382	62476382	+	4.356E-27	2.3062E-25	0.352905	hyper	sig	chr20_62476382
chr10	49115140	49115140	+	4.369E-27	2.3129E-25	0.277003	hyper	sig	chr10_49115140
chr4	84484051	84484051	+	4.372E-27	2.3144E-25	0.318578	hyper	sig	chr4_84484051
chr6	30172336	30172336	+	4.392E-27	2.325E-25	0.354415	hyper	sig	chr6_30172336
chr5	83473245	83473245	+	4.394E-27	2.3258E-25	0.230428	hyper	sig	chr5_83473245
chr7	1.28E+08	128201589	+	4.403E-27	2.3302E-25	0.335056	hyper	sig	chr7_128201589
chr7	771517	771517	+	4.404E-27	2.3304E-25	0.524366	hyper	sig	chr7_771517
chr1	19816004	19816004	+	4.417E-27	2.3372E-25	-0.29112	hypo	sig	chr1_19816004
chr2	4884347	4884347	+	4.417E-27	2.3372E-25	-0.31747	hypo	sig	chr2_4884347
chr17	40093099	40093099	+	4.42E-27	2.3386E-25	0.251997	hyper	sig	chr17_40093099
chr12	1.2E+08	120101296	+	4.429E-27	2.3433E-25	0.317953	hyper	sig	chr12_120101296
chr10	69569310	69569310	+	4.436E-27	2.3469E-25	0.398688	hyper	sig	chr10_69569310
chr20	36155190	36155190	+	4.437E-27	2.3473E-25	0.356378	hyper	sig	chr20_36155190
chr1	1007307	1007307	+	4.439E-27	2.3478E-25	-0.2869	hypo	sig	chr1_1007307
chr1	2.04E+08	203636462	+	4.447E-27	2.3524E-25	0.373804	hyper	sig	chr1_203636462
chr14	1.07E+08	106873229	+	4.448E-27	2.3527E-25	-0.31364	hypo	sig	chr14_106873229
chr8	1.05E+08	105319946	+	4.461E-27	2.3593E-25	0.273199	hyper	sig	chr8_105319946
chr14	28765942	28765942	+	4.465E-27	2.3611E-25	0.285225	hyper	sig	chr14_28765942
chr10	1.23E+08	123148966	+	4.473E-27	2.3652E-25	0.214579	hyper	sig	chr10_123148966
chr16	1461205	1461205	+	4.477E-27	2.3673E-25	0.302488	hyper	sig	chr16_1461205
chr1	20552267	20552267	+	4.479E-27	2.3682E-25	0.370596	hyper	sig	chr1_20552267
chr9	34457502	34457502	+	4.481E-27	2.3693E-25	0.350553	hyper	sig	chr9_34457502
chr14	91352287	91352287	+	4.482E-27	2.3695E-25	0.325876	hyper	sig	chr14_91352287
chr6	30172368	30172368	+	4.484E-27	2.3702E-25	0.348478	hyper	sig	chr6_30172368
chr11	1.29E+08	128886549	+	4.487E-27	2.3719E-25	-0.32838	hypo	sig	chr11_128886549
chr17	48552442	48552442	+	4.496E-27	2.376E-25	0.393494	hyper	sig	chr17_48552442
chr5	54883809	54883809	+	4.495E-27	2.376E-25	0.238328	hyper	sig	chr5_54883809
chr6	11233359	11233359	+	4.498E-27	2.3774E-25	-0.26637	hypo	sig	chr6_11233359
chr20	21519416	21519416	+	4.517E-27	2.3871E-25	0.267344	hyper	sig	chr20_21519416
chr5	1.46E+08	146379299	+	4.52E-27	2.3884E-25	0.354401	hyper	sig	chr5_146379299
chr5	42813811	42813811	+	4.527E-27	2.392E-25	0.233073	hyper	sig	chr5_42813811
chr8	53877105	53877105	+	4.528E-27	2.3926E-25	0.349307	hyper	sig	chr8_53877105
chr21	41687537	41687537	+	4.531E-27	2.394E-25	-0.3298	hypo	sig	chr21_41687537
chr10	22334975	22334975	+	4.532E-27	2.3941E-25	0.321034	hyper	sig	chr10_22334975
chr19	48746867	48746867	+	4.534E-27	2.395E-25	0.35218	hyper	sig	chr19_48746867
chr19	41755322	41755322	+	4.536E-27	2.3959E-25	-0.34188	hypo	sig	chr19_41755322
chr7	1.37E+08	136868805	+	4.537E-27	2.3961E-25	0.325811	hyper	sig	chr7_136868805
chr4	1.56E+08	155668157	+	4.539E-27	2.3972E-25	0.229099	hyper	sig	chr4_155668157
chr5	1.41E+08	141346223	+	4.549E-27	2.4023E-25	0.359022	hyper	sig	chr5_141346223
chr4	7646831	7646831	+	4.566E-27	2.411E-25	-0.34251	hypo	sig	chr4_7646831
chr2	1.45E+08	144517387	+	4.571E-27	2.4138E-25	0.223501	hyper	sig	chr2_144517387
chr6	15505254	15505254	+	4.588E-27	2.4226E-25	0.346174	hyper	sig	chr6_15505254
chr19	52369951	52369951	+	4.595E-27	2.4262E-25	0.246603	hyper	sig	chr19_52369951

chr10	43340635	43340635	+	4.597E-27	2.427E-25	-0.35154	hypo	sig	chr10_43340635
chr14	1.01E+08	101040262	+	4.598E-27	2.4272E-25	-0.31356	hypo	sig	chr14_101040262
chr12	1.33E+08	132837855	+	4.601E-27	2.4287E-25	0.334146	hyper	sig	chr12_132837855
chr11	1461869	1461869	+	4.602E-27	2.429E-25	0.372724	hyper	sig	chr11_1461869
chr3	49719144	49719144	+	4.604E-27	2.4298E-25	0.220751	hyper	sig	chr3_49719144
chr19	15233361	15233361	+	4.605E-27	2.4303E-25	0.298687	hyper	sig	chr19_15233361
chr11	57646960	57646960	+	4.61E-27	2.4329E-25	0.344044	hyper	sig	chr11_57646960
chr6	28635193	28635193	+	4.611E-27	2.433E-25	0.2246	hyper	sig	chr6_28635193
chr17	81255356	81255356	+	4.611E-27	2.4332E-25	0.279627	hyper	sig	chr17_81255356
chr15	34495737	34495737	+	4.612E-27	2.4335E-25	0.295721	hyper	sig	chr15_34495737
chr13	1.02E+08	101919869	+	4.614E-27	2.4345E-25	0.371286	hyper	sig	chr13_101919869
chr13	1.08E+08	107868613	+	4.619E-27	2.4369E-25	0.381606	hyper	sig	chr13_107868613
chr19	22634178	22634178	+	4.62E-27	2.4372E-25	0.293985	hyper	sig	chr19_22634178
chr10	1.17E+08	117133082	+	4.626E-27	2.4404E-25	0.24511	hyper	sig	chr10_117133082
chr8	47743787	47743787	+	4.648E-27	2.4515E-25	0.267521	hyper	sig	chr8_47743787
chr3	1.58E+08	158095692	+	4.652E-27	2.4534E-25	0.303987	hyper	sig	chr3_158095692
chr12	1.32E+08	132329083	+	4.657E-27	2.4559E-25	0.323071	hyper	sig	chr12_132329083
chr3	1.33E+08	133038153	+	4.659E-27	2.4571E-25	0.303223	hyper	sig	chr3_133038153
chr12	1.17E+08	117030724	+	4.67E-27	2.4628E-25	0.302303	hyper	sig	chr12_117030724
chr1	2.27E+08	226942693	+	4.683E-27	2.4693E-25	0.336473	hyper	sig	chr1_226942693
chr4	1E+08	100190031	+	4.691E-27	2.4733E-25	0.22682	hyper	sig	chr4_100190031
chr1	84620669	84620669	+	4.692E-27	2.4737E-25	-0.34329	hypo	sig	chr1_84620669
chr2	1742499	1742499	+	4.701E-27	2.4781E-25	0.27627	hyper	sig	chr2_1742499
chr6	32155178	32155178	+	4.703E-27	2.4789E-25	0.306688	hyper	sig	chr6_32155178
chr9	1.36E+08	136361981	+	4.704E-27	2.4793E-25	0.339081	hyper	sig	chr9_136361981
chr14	1.04E+08	103523361	+	4.706E-27	2.4807E-25	0.317091	hyper	sig	chr14_103523361
chr19	53467434	53467434	+	4.708E-27	2.4812E-25	0.214505	hyper	sig	chr19_53467434
chr1	29120255	29120255	+	4.712E-27	2.4834E-25	0.347545	hyper	sig	chr1_29120255
chr10	5660120	5660120	+	4.721E-27	2.4879E-25	-0.35243	hypo	sig	chr10_5660120
chr2	68319544	68319544	+	4.731E-27	2.4928E-25	0.501729	hyper	sig	chr2_68319544
chr4	5893388	5893388	+	4.735E-27	2.4949E-25	0.312425	hyper	sig	chr4_5893388
chr1	40132759	40132759	+	4.746E-27	2.5003E-25	0.318548	hyper	sig	chr1_40132759
chr10	77711223	77711223	+	4.757E-27	2.5064E-25	0.298168	hyper	sig	chr10_77711223
chr4	1.74E+08	173518763	+	4.762E-27	2.5089E-25	0.416836	hyper	sig	chr4_173518763
chr20	45298017	45298017	+	4.764E-27	2.5093E-25	-0.46835	hypo	sig	chr20_45298017
chr9	1.36E+08	136342327	+	4.767E-27	2.5109E-25	0.348096	hyper	sig	chr9_136342327
chr12	21941765	21941765	+	4.771E-27	2.5129E-25	0.215591	hyper	sig	chr12_21941765
chr11	8085102	8085102	+	4.774E-27	2.5142E-25	-0.34038	hypo	sig	chr11_8085102
chr2	43131193	43131193	+	4.774E-27	2.5142E-25	-0.31684	hypo	sig	chr2_43131193
chr16	1534548	1534548	+	4.78E-27	2.5172E-25	0.308784	hyper	sig	chr16_1534548
chr5	1.73E+08	173236728	+	4.78E-27	2.5172E-25	0.349287	hyper	sig	chr5_173236728
chr2	11618591	11618591	+	4.79E-27	2.522E-25	-0.35684	hypo	sig	chr2_11618591
chr19	1271372	1271372	+	4.799E-27	2.5266E-25	0.319242	hyper	sig	chr19_1271372
chr19	48480306	48480306	+	4.8E-27	2.5268E-25	0.313345	hyper	sig	chr19_48480306
chr12	1.14E+08	114439322	+	4.812E-27	2.5334E-25	0.303225	hyper	sig	chr12_114439322
chr6	7731047	7731047	+	4.814E-27	2.534E-25	-0.34555	hypo	sig	chr6_7731047
chr2	1.72E+08	172108508	+	4.819E-27	2.5364E-25	0.330419	hyper	sig	chr2_172108508
chr21	9735490	9735490	+	4.82E-27	2.5369E-25	-0.33717	hypo	sig	chr21_9735490
chr10	27999211	27999211	+	4.821E-27	2.5374E-25	0.253397	hyper	sig	chr10_27999211
chr2	2.39E+08	239247602	+	4.825E-27	2.5393E-25	-0.32098	hypo	sig	chr2_239247602
chr10	11892363	11892363	+	4.839E-27	2.5461E-25	-0.24771	hypo	sig	chr10_11892363
chr10	1.3E+08	129525806	+	4.839E-27	2.5461E-25	0.285544	hyper	sig	chr10_129525806
chr14	85529327	85529327	+	4.84E-27	2.5465E-25	0.339279	hyper	sig	chr14_85529327
chr8	71556326	71556326	+	4.849E-27	2.5514E-25	0.306121	hyper	sig	chr8_71556326
chr5	1.51E+08	150672809	+	4.851E-27	2.552E-25	-0.21534	hypo	sig	chr5_150672809
chr4	80265639	80265639	+	4.865E-27	2.559E-25	0.287229	hyper	sig	chr4_80265639

chr14	88326612	88326612	+	4.868E-27	2.5606E-25	0.221569	hyper	sig	chr14_88326612
chr13	70107887	70107887	+	4.882E-27	2.5681E-25	0.414205	hyper	sig	chr13_70107887
chr6	1.61E+08	160679640	+	4.884E-27	2.5688E-25	0.381804	hyper	sig	chr6_160679640
chr2	2.18E+08	218259548	+	4.891E-27	2.5722E-25	0.355005	hyper	sig	chr2_218259548
chr8	1.4E+08	140047729	+	4.896E-27	2.5746E-25	0.281129	hyper	sig	chr8_140047729
chr6	1.5E+08	150038033	+	4.897E-27	2.5753E-25	0.2911	hyper	sig	chr6_150038033
chr7	97018123	97018123	+	4.906E-27	2.5795E-25	0.29089	hyper	sig	chr7_97018123
chr13	1.02E+08	101706827	+	4.908E-27	2.5805E-25	-0.40986	hypo	sig	chr13_101706827
chr19	49436774	49436774	+	4.913E-27	2.583E-25	0.355766	hyper	sig	chr19_49436774
chr12	98870648	98870648	+	4.916E-27	2.5844E-25	-0.32522	hypo	sig	chr12_98870648
chr1	1.07E+08	107140185	+	4.922E-27	2.5875E-25	0.308718	hyper	sig	chr1_107140185
chr12	4909900	4909900	+	4.925E-27	2.5886E-25	0.299251	hyper	sig	chr12_4909900
chr4	80267220	80267220	+	4.93E-27	2.5911E-25	0.298831	hyper	sig	chr4_80267220
chr12	46831521	46831521	+	4.938E-27	2.5953E-25	0.235291	hyper	sig	chr12_46831521
chr5	1.59E+08	159100974	+	4.947E-27	2.5999E-25	0.296069	hyper	sig	chr5_159100974
chr12	6620631	6620631	+	4.948E-27	2.6003E-25	0.405454	hyper	sig	chr12_6620631
chr2	26693682	26693682	+	4.949E-27	2.6008E-25	0.290983	hyper	sig	chr2_26693682
chr11	45209711	45209711	+	4.95E-27	2.6011E-25	0.308577	hyper	sig	chr11_45209711
chr11	1.18E+08	117875729	+	4.966E-27	2.6093E-25	0.228131	hyper	sig	chr11_117875729
chr1	3217279	3217279	+	4.986E-27	2.6196E-25	0.340049	hyper	sig	chr1_3217279
chr14	60485397	60485397	+	4.988E-27	2.6205E-25	0.282056	hyper	sig	chr14_60485397
chr2	2.08E+08	207767710	+	4.989E-27	2.6205E-25	-0.32724	hypo	sig	chr2_207767710
chr1	1.77E+08	177029665	+	4.991E-27	2.6215E-25	-0.34386	hypo	sig	chr1_177029665
chr19	48640136	48640136	+	4.993E-27	2.6223E-25	-0.40111	hypo	sig	chr19_48640136
chr11	69001463	69001463	+	4.996E-27	2.6239E-25	0.339021	hyper	sig	chr11_69001463
chr5	1.41E+08	140795252	+	4.998E-27	2.6249E-25	0.360169	hyper	sig	chr5_140795252
chr4	1.54E+08	154491238	+	5.007E-27	2.6292E-25	0.224385	hyper	sig	chr4_154491238
chr6	1.66E+08	166005469	+	5.007E-27	2.6294E-25	0.308921	hyper	sig	chr6_166005469
chr12	72273597	72273597	+	5.018E-27	2.6347E-25	0.337759	hyper	sig	chr12_72273597
chr12	16347184	16347184	+	5.019E-27	2.6353E-25	-0.27191	hypo	sig	chr12_16347184
chr15	90004796	90004796	+	5.021E-27	2.6362E-25	-0.35005	hypo	sig	chr15_90004796
chr1	3650708	3650708	+	5.022E-27	2.6362E-25	0.327857	hyper	sig	chr1_3650708
chr19	57240347	57240347	+	5.028E-27	2.6394E-25	0.307211	hyper	sig	chr19_57240347
chr7	5349235	5349235	+	5.032E-27	2.6413E-25	0.375185	hyper	sig	chr7_5349235
chr5	1.41E+08	141374269	+	5.034E-27	2.6422E-25	0.310361	hyper	sig	chr5_141374269
chr19	42002107	42002107	+	5.044E-27	2.647E-25	-0.34448	hypo	sig	chr19_42002107
chr2	8026907	8026907	+	5.05E-27	2.6505E-25	-0.32831	hypo	sig	chr2_8026907
chr19	14149839	14149839	+	5.052E-27	2.6513E-25	0.264048	hyper	sig	chr19_14149839
chr2	46697982	46697982	+	5.077E-27	2.6639E-25	-0.36427	hypo	sig	chr2_46697982
chr6	35184224	35184224	+	5.087E-27	2.6689E-25	-0.30784	hypo	sig	chr6_35184224
chr7	223752	223752	+	5.088E-27	2.6694E-25	-0.31934	hypo	sig	chr7_223752
chr9	1.24E+08	124012975	+	5.091E-27	2.6707E-25	0.268435	hyper	sig	chr9_124012975
chr6	27830677	27830677	+	5.109E-27	2.6801E-25	-0.21822	hypo	sig	chr6_27830677
chr21	36697646	36697646	+	5.11E-27	2.6804E-25	0.330559	hyper	sig	chr21_36697646
chr8	39314580	39314580	+	5.115E-27	2.6828E-25	0.363116	hyper	sig	chr8_39314580
chr16	6483788	6483788	+	5.117E-27	2.6839E-25	0.274374	hyper	sig	chr16_6483788
chr14	90621242	90621242	+	5.124E-27	2.6874E-25	-0.27544	hypo	sig	chr14_90621242
chr6	1.46E+08	146029274	+	5.125E-27	2.6875E-25	0.330414	hyper	sig	chr6_146029274
chr7	1.22E+08	122316641	+	5.129E-27	2.6897E-25	0.355153	hyper	sig	chr7_122316641
chr20	62220794	62220794	+	5.13E-27	2.6899E-25	0.229686	hyper	sig	chr20_62220794
chr19	17286852	17286852	+	5.13E-27	2.6899E-25	-0.37456	hypo	sig	chr19_17286852
chr8	54134665	54134665	+	5.144E-27	2.6971E-25	-0.33575	hypo	sig	chr8_54134665
chr3	1.38E+08	137770877	+	5.145E-27	2.6974E-25	0.365233	hyper	sig	chr3_137770877
chr4	213412	213412	+	5.148E-27	2.6989E-25	0.504813	hyper	sig	chr4_213412
chr2	1E+08	100393398	+	5.169E-27	2.7096E-25	-0.28595	hypo	sig	chr2_100393398
chr12	1.3E+08	130339444	+	5.189E-27	2.7196E-25	0.353442	hyper	sig	chr12_130339444

chr20	46011669	46011669	+	5.19E-27	2.7204E-25	0.448224	hyper	sig	chr20_46011669
chr7	88758933	88758933	+	5.193E-27	2.7217E-25	0.339747	hyper	sig	chr7_88758933
chr19	23002881	23002881	+	5.198E-27	2.724E-25	0.307875	hyper	sig	chr19_23002881
chr19	39308434	39308434	+	5.209E-27	2.7295E-25	0.361861	hyper	sig	chr19_39308434
chr1	1.14E+08	114154459	+	5.211E-27	2.7305E-25	0.240476	hyper	sig	chr1_114154459
chr7	1232886	1232886	+	5.215E-27	2.7322E-25	0.418642	hyper	sig	chr7_1232886
chr8	1.43E+08	143088813	+	5.215E-27	2.7322E-25	-0.34687	hypo	sig	chr8_143088813
chr8	1.44E+08	143939120	+	5.219E-27	2.7344E-25	-0.26572	hypo	sig	chr8_143939120
chr17	41583660	41583660	+	5.222E-27	2.7353E-25	-0.31801	hypo	sig	chr17_41583660
chr10	23200303	23200303	+	5.223E-27	2.736E-25	0.321608	hyper	sig	chr10_23200303
chr19	57320864	57320864	+	5.227E-27	2.738E-25	0.23548	hyper	sig	chr19_57320864
chr7	23471863	23471863	+	5.231E-27	2.7399E-25	-0.26412	hypo	sig	chr7_23471863
chr1	2.15E+08	214541550	+	5.236E-27	2.7424E-25	0.255429	hyper	sig	chr1_214541550
chr21	44709009	44709009	+	5.248E-27	2.7481E-25	0.423804	hyper	sig	chr21_44709009
chr5	1.41E+08	140786431	+	5.252E-27	2.7501E-25	0.29124	hyper	sig	chr5_140786431
chr16	84237464	84237464	+	5.265E-27	2.7566E-25	-0.38759	hypo	sig	chr16_84237464
chr16	1089733	1089733	+	5.274E-27	2.7612E-25	-0.36046	hypo	sig	chr16_1089733
chr2	1.87E+08	186849143	+	5.28E-27	2.7645E-25	0.331545	hyper	sig	chr2_186849143
chr1	84620711	84620711	+	5.291E-27	2.7698E-25	-0.26687	hypo	sig	chr1_84620711
chr6	27680308	27680308	+	5.291E-27	2.7698E-25	0.349219	hyper	sig	chr6_27680308
chr6	1.69E+08	168909457	+	5.292E-27	2.7703E-25	-0.29949	hypo	sig	chr6_168909457
chr14	36504003	36504003	+	5.294E-27	2.7706E-25	0.298569	hyper	sig	chr14_36504003
chr2	1.45E+08	144517330	+	5.294E-27	2.7706E-25	0.249596	hyper	sig	chr2_144517330
chr5	34652711	34652711	+	5.297E-27	2.7722E-25	-0.3456	hypo	sig	chr5_34652711
chr21	44706160	44706160	+	5.298E-27	2.7724E-25	0.388836	hyper	sig	chr21_44706160
chr13	1.12E+08	111509174	+	5.306E-27	2.7764E-25	-0.39744	hypo	sig	chr13_111509174
chr12	1.3E+08	130477206	+	5.34E-27	2.7941E-25	0.270251	hyper	sig	chr12_130477206
chr11	90134717	90134717	+	5.341E-27	2.7943E-25	0.254282	hyper	sig	chr11_90134717
chr19	1272864	1272864	+	5.356E-27	2.8022E-25	0.270173	hyper	sig	chr19_1272864
chr11	45667158	45667158	+	5.36E-27	2.8041E-25	-0.34729	hypo	sig	chr11_45667158
chr11	1.29E+08	128824274	+	5.371E-27	2.8098E-25	0.372784	hyper	sig	chr11_128824274
chr5	1.41E+08	141156731	+	5.377E-27	2.8125E-25	0.306813	hyper	sig	chr5_141156731
chr22	31602276	31602276	+	5.39E-27	2.8192E-25	0.275768	hyper	sig	chr22_31602276
chr1	1.8E+08	179743184	+	5.396E-27	2.822E-25	0.211043	hyper	sig	chr1_179743184
chr3	1.82E+08	181723708	+	5.4E-27	2.8239E-25	0.298848	hyper	sig	chr3_181723708
chr5	1.41E+08	141245669	+	5.409E-27	2.8285E-25	0.343806	hyper	sig	chr5_141245669
chr14	1.04E+08	103513085	+	5.41E-27	2.8287E-25	0.302261	hyper	sig	chr14_103513085
chr13	1.12E+08	112063410	+	5.411E-27	2.8291E-25	0.311202	hyper	sig	chr13_112063410
chr11	20597519	20597519	+	5.437E-27	2.8424E-25	0.336169	hyper	sig	chr11_20597519
chr13	52848199	52848199	+	5.451E-27	2.8498E-25	0.320333	hyper	sig	chr13_52848199
chr11	61446066	61446066	+	5.458E-27	2.8533E-25	0.298551	hyper	sig	chr11_61446066
chr17	77403817	77403817	+	5.481E-27	2.8653E-25	0.284382	hyper	sig	chr17_77403817
chr6	22294482	22294482	+	5.484E-27	2.8665E-25	0.271574	hyper	sig	chr6_22294482
chr7	27110608	27110608	+	5.491E-27	2.87E-25	0.424649	hyper	sig	chr7_27110608
chr3	10142887	10142887	+	5.495E-27	2.8721E-25	-0.3358	hypo	sig	chr3_10142887
chr5	1.55E+08	154850674	+	5.504E-27	2.8765E-25	0.300594	hyper	sig	chr5_154850674
chr15	83206951	83206951	+	5.516E-27	2.8826E-25	0.208415	hyper	sig	chr15_83206951
chr19	727139	727139	+	5.518E-27	2.8836E-25	-0.4499	hypo	sig	chr19_727139
chr11	1.19E+08	119422085	+	5.527E-27	2.8876E-25	0.22304	hyper	sig	chr11_119422085
chr13	44374016	44374016	+	5.529E-27	2.8885E-25	0.231874	hyper	sig	chr13_44374016
chr5	1.56E+08	155728932	+	5.531E-27	2.8898E-25	0.341444	hyper	sig	chr5_155728932
chr7	1.01E+08	101362771	+	5.539E-27	2.8935E-25	0.366865	hyper	sig	chr7_101362771
chr4	20253514	20253514	+	5.542E-27	2.8949E-25	0.378745	hyper	sig	chr4_20253514
chr5	88678335	88678335	+	5.55E-27	2.899E-25	0.33482	hyper	sig	chr5_88678335
chr6	10384915	10384915	+	5.556E-27	2.9019E-25	0.396907	hyper	sig	chr6_10384915
chr20	21515514	21515514	+	5.56E-27	2.9038E-25	0.219074	hyper	sig	chr20_21515514

chr9	69645808	69645808	+	5.56E-27	2.9038E-25	-0.3369	hypo	sig	chr9_69645808
chr17	76872479	76872479	+	5.569E-27	2.9082E-25	-0.28475	hypo	sig	chr17_76872479
chr3	6862409	6862409	+	5.572E-27	2.9095E-25	0.303971	hyper	sig	chr3_6862409
chr7	1.28E+08	128241297	+	5.585E-27	2.9159E-25	0.4435	hyper	sig	chr7_128241297
chr8	1.42E+08	142464415	+	5.591E-27	2.919E-25	0.353951	hyper	sig	chr8_142464415
chr1	2.08E+08	207645606	+	5.596E-27	2.9212E-25	0.352649	hyper	sig	chr1_207645606
chr13	1.12E+08	112067411	+	5.599E-27	2.9226E-25	0.265124	hyper	sig	chr13_112067411
chr4	1099926	1099926	+	5.601E-27	2.9236E-25	-0.28469	hypo	sig	chr4_1099926
chr1	2.02E+08	202010697	+	5.606E-27	2.9261E-25	-0.29688	hypo	sig	chr1_202010697
chr5	14440383	14440383	+	5.609E-27	2.9273E-25	0.31239	hyper	sig	chr5_14440383
chr5	1.59E+08	159101020	+	5.613E-27	2.9294E-25	0.25569	hyper	sig	chr5_159101020
chr8	1.18E+08	118074473	+	5.631E-27	2.9388E-25	0.31191	hyper	sig	chr8_118074473
chr11	1152588	1152588	+	5.635E-27	2.9403E-25	-0.45988	hypo	sig	chr11_1152588
chr21	20997560	20997560	+	5.667E-27	2.9569E-25	0.33976	hyper	sig	chr21_20997560
chr11	65782993	65782993	+	5.673E-27	2.9597E-25	-0.3311	hypo	sig	chr11_65782993
chr2	64606972	64606972	+	5.678E-27	2.9624E-25	-0.29978	hypo	sig	chr2_64606972
chr20	5302246	5302246	+	5.693E-27	2.9696E-25	-0.29533	hypo	sig	chr20_5302246
chr8	1.39E+08	138878263	+	5.7E-27	2.9732E-25	-0.30332	hypo	sig	chr8_138878263
chr20	56926040	56926040	+	5.7E-27	2.9732E-25	0.277997	hyper	sig	chr20_56926040
chr13	1.12E+08	112056524	+	5.707E-27	2.9763E-25	0.386198	hyper	sig	chr13_112056524
chr1	1.53E+08	152786279	+	5.718E-27	2.9819E-25	-0.33918	hypo	sig	chr1_152786279
chr10	1.3E+08	129969725	+	5.728E-27	2.987E-25	0.263694	hyper	sig	chr10_129969725
chr22	39374414	39374414	+	5.73E-27	2.9879E-25	-0.2365	hypo	sig	chr22_39374414
chr9	1.24E+08	124012982	+	5.737E-27	2.9915E-25	0.261021	hyper	sig	chr9_124012982
chr7	64495392	64495392	+	5.743E-27	2.9944E-25	0.361019	hyper	sig	chr7_64495392
chr10	71963471	71963471	+	5.744E-27	2.9947E-25	0.303072	hyper	sig	chr10_71963471
chr1	2.28E+08	228158514	+	5.755E-27	3.0003E-25	0.401142	hyper	sig	chr1_228158514
chr11	56137306	56137306	+	5.759E-27	3.0022E-25	-0.35568	hypo	sig	chr11_56137306
chr20	23049613	23049613	+	5.768E-27	3.0065E-25	0.304517	hyper	sig	chr20_23049613
chr15	1.01E+08	100544397	+	5.769E-27	3.0071E-25	0.361153	hyper	sig	chr15_100544397
chr10	633498	633498	+	5.777E-27	3.0108E-25	0.296112	hyper	sig	chr10_633498
chr19	23914793	23914793	+	5.778E-27	3.0113E-25	0.262195	hyper	sig	chr19_23914793
chr8	13566734	13566734	+	5.785E-27	3.0148E-25	0.298331	hyper	sig	chr8_13566734
chr2	2.37E+08	237451558	+	5.786E-27	3.0151E-25	0.279868	hyper	sig	chr2_237451558
chr7	97731945	97731945	+	5.8E-27	3.0219E-25	0.317757	hyper	sig	chr7_97731945
chr17	34157021	34157021	+	5.807E-27	3.0255E-25	0.267693	hyper	sig	chr17_34157021
chr9	95459715	95459715	+	5.819E-27	3.0315E-25	0.348135	hyper	sig	chr9_95459715
chr12	1.33E+08	132908279	+	5.821E-27	3.0323E-25	0.248775	hyper	sig	chr12_132908279
chr8	26048260	26048260	+	5.821E-27	3.0324E-25	0.281802	hyper	sig	chr8_26048260
chr8	96160743	96160743	+	5.826E-27	3.0347E-25	0.3256	hyper	sig	chr8_96160743
chr6	39314756	39314756	+	5.828E-27	3.0354E-25	-0.32734	hypo	sig	chr6_39314756
chr16	30821193	30821193	+	5.832E-27	3.0376E-25	-0.39678	hypo	sig	chr16_30821193
chr8	1466786	1466786	+	5.841E-27	3.0418E-25	-0.30489	hypo	sig	chr8_1466786
chr13	57631929	57631929	+	5.87E-27	3.0568E-25	0.365059	hyper	sig	chr13_57631929
chr17	77834645	77834645	+	5.894E-27	3.0691E-25	-0.22987	hypo	sig	chr17_77834645
chr11	24496705	24496705	+	5.906E-27	3.0752E-25	0.334262	hyper	sig	chr11_24496705
chr4	1.4E+08	140426900	+	5.911E-27	3.0776E-25	0.253901	hyper	sig	chr4_140426900
chr6	28091052	28091052	+	5.912E-27	3.0779E-25	0.347142	hyper	sig	chr6_28091052
chr8	1.42E+08	142464430	+	5.916E-27	3.0794E-25	0.321724	hyper	sig	chr8_142464430
chr17	4941427	4941427	+	5.922E-27	3.0823E-25	-0.24968	hypo	sig	chr17_4941427
chr2	2.39E+08	238890909	+	5.932E-27	3.0873E-25	-0.29846	hypo	sig	chr2_238890909
chr11	64740584	64740584	+	5.948E-27	3.0955E-25	-0.2662	hypo	sig	chr11_64740584
chr16	87667307	87667307	+	5.95E-27	3.0963E-25	-0.3279	hypo	sig	chr16_87667307
chr3	1.77E+08	177201782	+	5.952E-27	3.0973E-25	-0.35874	hypo	sig	chr3_177201782
chr5	31855280	31855280	+	5.957E-27	3.0998E-25	0.350284	hyper	sig	chr5_31855280
chr16	12120950	12120950	+	5.958E-27	3.0999E-25	0.320063	hyper	sig	chr16_12120950

chr11	1.34E+08	134471453	+	5.967E-27	3.1045E-25	0.330283	hyper	sig	chr11_134471453
chr3	5095903	5095903	+	5.976E-27	3.1092E-25	0.300266	hyper	sig	chr3_5095903
chr1	1.59E+08	159188707	+	5.978E-27	3.1096E-25	0.264653	hyper	sig	chr1_159188707
chr6	26743495	26743495	+	5.981E-27	3.1115E-25	0.338152	hyper	sig	chr6_26743495
chr10	1.33E+08	133229985	+	5.991E-27	3.1163E-25	0.261017	hyper	sig	chr10_133229985
chr10	99234125	99234125	+	6.004E-27	3.1226E-25	0.259097	hyper	sig	chr10_99234125
chr5	25193374	25193374	+	6.009E-27	3.1248E-25	-0.3548	hypo	sig	chr5_25193374
chr5	1.42E+08	142014153	+	6.009E-27	3.1248E-25	-0.37721	hypo	sig	chr5_142014153
chr22	20429616	20429616	+	6.009E-27	3.125E-25	-0.34577	hypo	sig	chr22_20429616
chr5	1.41E+08	141095437	+	6.011E-27	3.1257E-25	0.299309	hyper	sig	chr5_141095437
chr15	89377639	89377639	+	6.015E-27	3.1274E-25	0.282884	hyper	sig	chr15_89377639
chr1	18632434	18632434	+	6.015E-27	3.1275E-25	0.38025	hyper	sig	chr1_18632434
chr7	85186261	85186261	+	6.025E-27	3.1325E-25	0.363922	hyper	sig	chr7_85186261
chr5	1.51E+08	150672846	+	6.041E-27	3.1407E-25	-0.2623	hypo	sig	chr5_150672846
chr3	1.39E+08	138939666	+	6.047E-27	3.1431E-25	0.296332	hyper	sig	chr3_138939666
chr12	1.08E+08	107775228	+	6.048E-27	3.1439E-25	0.339412	hyper	sig	chr12_107775228
chr2	2.22E+08	222300206	+	6.058E-27	3.1489E-25	0.293762	hyper	sig	chr2_222300206
chr22	50045070	50045070	+	6.068E-27	3.1534E-25	-0.3147	hypo	sig	chr22_50045070
chr10	23693770	23693770	+	6.07E-27	3.1545E-25	0.282155	hyper	sig	chr10_23693770
chr1	44408990	44408990	+	6.086E-27	3.1626E-25	0.273684	hyper	sig	chr1_44408990
chr5	1.41E+08	141476838	+	6.1E-27	3.1698E-25	0.250512	hyper	sig	chr5_141476838
chr4	25863691	25863691	+	6.109E-27	3.1744E-25	-0.31459	hypo	sig	chr4_25863691
chr10	1.33E+08	133207479	+	6.119E-27	3.1792E-25	-0.29198	hypo	sig	chr10_133207479
chr7	5495778	5495778	+	6.126E-27	3.1827E-25	0.344193	hyper	sig	chr7_5495778
chr14	36667066	36667066	+	6.13E-27	3.1844E-25	0.32802	hyper	sig	chr14_36667066
chr17	75646313	75646313	+	6.136E-27	3.1876E-25	-0.23329	hypo	sig	chr17_75646313
chr6	33080994	33080994	+	6.139E-27	3.1887E-25	0.472591	hyper	sig	chr6_33080994
chr3	1.47E+08	147421720	+	6.14E-27	3.189E-25	0.337292	hyper	sig	chr3_147421720
chr18	21243020	21243020	+	6.143E-27	3.1904E-25	0.271436	hyper	sig	chr18_21243020
chr3	10816005	10816005	+	6.145E-27	3.1913E-25	0.410835	hyper	sig	chr3_10816005
chr6	13860352	13860352	+	6.153E-27	3.1951E-25	0.340759	hyper	sig	chr6_13860352
chr8	64379433	64379433	+	6.158E-27	3.1976E-25	0.352353	hyper	sig	chr8_64379433
chr14	1.04E+08	104450844	+	6.161E-27	3.1989E-25	0.311462	hyper	sig	chr14_104450844
chr20	40909687	40909687	+	6.174E-27	3.2055E-25	-0.44585	hypo	sig	chr20_40909687
chr13	93228502	93228502	+	6.176E-27	3.2064E-25	0.399261	hyper	sig	chr13_93228502
chr8	71557752	71557752	+	6.188E-27	3.2122E-25	0.4054	hyper	sig	chr8_71557752
chr3	1.47E+08	147396582	+	6.204E-27	3.2204E-25	0.279416	hyper	sig	chr3_147396582
chr4	3766828	3766828	+	6.22E-27	3.2287E-25	0.327877	hyper	sig	chr4_3766828
chr10	1.24E+08	123974450	+	6.229E-27	3.2331E-25	-0.39145	hypo	sig	chr10_123974450
chr5	1884399	1884399	+	6.238E-27	3.2376E-25	0.266925	hyper	sig	chr5_1884399
chr4	664122	664122	+	6.24E-27	3.2385E-25	0.292095	hyper	sig	chr4_664122
chr6	26744058	26744058	+	6.242E-27	3.239E-25	0.29011	hyper	sig	chr6_26744058
chr16	88410231	88410231	+	6.249E-27	3.2427E-25	-0.30169	hypo	sig	chr16_88410231
chr3	1.76E+08	175977790	+	6.255E-27	3.2457E-25	-0.45677	hypo	sig	chr3_175977790
chr16	66604415	66604415	+	6.259E-27	3.2474E-25	0.220164	hyper	sig	chr16_66604415
chr17	34157049	34157049	+	6.263E-27	3.2493E-25	0.260345	hyper	sig	chr17_34157049
chr13	42574142	42574142	+	6.27E-27	3.2524E-25	0.296896	hyper	sig	chr13_42574142
chr16	268710	268710	+	6.275E-27	3.2552E-25	-0.37812	hypo	sig	chr16_268710
chr14	1.05E+08	104844318	+	6.281E-27	3.2578E-25	0.413423	hyper	sig	chr14_104844318
chr11	2266189	2266189	+	6.29E-27	3.2621E-25	-0.29984	hypo	sig	chr11_2266189
chr6	1.66E+08	165847474	+	6.294E-27	3.264E-25	-0.31898	hypo	sig	chr6_165847474
chr13	64959368	64959368	+	6.297E-27	3.2655E-25	-0.30025	hypo	sig	chr13_64959368
chr6	30172393	30172393	+	6.314E-27	3.274E-25	0.316942	hyper	sig	chr6_30172393
chr12	1.19E+08	118980871	+	6.317E-27	3.2756E-25	0.300084	hyper	sig	chr12_118980871
chr6	1.09E+08	108953223	+	6.324E-27	3.2789E-25	0.308647	hyper	sig	chr6_108953223
chr5	55222731	55222731	+	6.338E-27	3.2862E-25	0.417839	hyper	sig	chr5_55222731

chr16	69917933	69917933	+	6.345E-27	3.2895E-25	0.285018	hyper	sig	chr16_69917933
chr2	2.39E+08	239081819	+	6.346E-27	3.2899E-25	0.368048	hyper	sig	chr2_239081819
chr3	1.65E+08	165195839	+	6.359E-27	3.2961E-25	0.283946	hyper	sig	chr3_165195839
chr4	1.85E+08	185021015	+	6.36E-27	3.2963E-25	0.328526	hyper	sig	chr4_185021015
chr2	1.49E+08	148882253	+	6.376E-27	3.3049E-25	-0.34069	hypo	sig	chr2_148882253
chr6	1.67E+08	166870822	+	6.386E-27	3.3097E-25	-0.45027	hypo	sig	chr6_166870822
chr1	2.13E+08	212951327	+	6.393E-27	3.313E-25	0.202434	hyper	sig	chr1_212951327
chr8	1.45E+08	144713239	+	6.408E-27	3.3204E-25	0.382257	hyper	sig	chr8_144713239
chr9	21409506	21409506	+	6.416E-27	3.3247E-25	-0.33031	hypo	sig	chr9_21409506
chr3	10816018	10816018	+	6.418E-27	3.3252E-25	0.41652	hyper	sig	chr3_10816018
chr5	14440335	14440335	+	6.419E-27	3.3255E-25	0.365461	hyper	sig	chr5_14440335
chr5	1.42E+08	141512731	+	6.434E-27	3.3332E-25	0.417412	hyper	sig	chr5_141512731
chr11	3218741	3218741	+	6.443E-27	3.3379E-25	-0.31578	hypo	sig	chr11_3218741
chr3	49422473	49422473	+	6.454E-27	3.3431E-25	0.294068	hyper	sig	chr3_49422473
chr2	2.4E+08	239958975	+	6.454E-27	3.3431E-25	0.284969	hyper	sig	chr2_239958975
chr3	62374073	62374073	+	6.46E-27	3.3457E-25	0.295819	hyper	sig	chr3_62374073
chr1	1.47E+08	147072725	+	6.485E-27	3.3587E-25	0.348902	hyper	sig	chr1_147072725
chr10	1.2E+08	119544119	+	6.49E-27	3.3607E-25	0.381853	hyper	sig	chr10_119544119
chr17	81330843	81330843	+	6.491E-27	3.3611E-25	-0.29367	hypo	sig	chr17_81330843
chr19	38256712	38256712	+	6.503E-27	3.3672E-25	0.311489	hyper	sig	chr19_38256712
chr17	65538501	65538501	+	6.504E-27	3.3674E-25	-0.2529	hypo	sig	chr17_65538501
chr4	1.21E+08	121380601	+	6.514E-27	3.3727E-25	0.285903	hyper	sig	chr4_121380601
chr6	30260383	30260383	+	6.516E-27	3.3735E-25	0.265749	hyper	sig	chr6_30260383
chr16	81493571	81493571	+	6.545E-27	3.3882E-25	-0.30405	hypo	sig	chr16_81493571
chr19	10451739	10451739	+	6.55E-27	3.3903E-25	-0.31081	hypo	sig	chr19_10451739
chr22	50267550	50267550	+	6.553E-27	3.392E-25	0.557216	hyper	sig	chr22_50267550
chr17	82795352	82795352	+	6.558E-27	3.3944E-25	0.286107	hyper	sig	chr17_82795352
chr15	88638403	88638403	+	6.56E-27	3.395E-25	-0.3166	hypo	sig	chr15_88638403
chr6	10385606	10385606	+	6.56E-27	3.395E-25	0.34583	hyper	sig	chr6_10385606
chr7	41701830	41701830	+	6.567E-27	3.3981E-25	-0.32342	hypo	sig	chr7_41701830
chr7	97007434	97007434	+	6.571E-27	3.4003E-25	0.337946	hyper	sig	chr7_97007434
chr7	1.55E+08	155465564	+	6.576E-27	3.4024E-25	0.350562	hyper	sig	chr7_155465564
chr12	7751557	7751557	+	6.577E-27	3.4027E-25	-0.33729	hypo	sig	chr12_7751557
chr10	1.04E+08	104334133	+	6.584E-27	3.4064E-25	0.256661	hyper	sig	chr10_104334133
chr10	27320381	27320381	+	6.589E-27	3.4086E-25	-0.3041	hypo	sig	chr10_27320381
chr5	37844328	37844328	+	6.591E-27	3.4092E-25	-0.27235	hypo	sig	chr5_37844328
chr14	36667072	36667072	+	6.595E-27	3.411E-25	0.340735	hyper	sig	chr14_36667072
chr4	10114907	10114907	+	6.629E-27	3.4288E-25	0.304995	hyper	sig	chr4_10114907
chr17	38898477	38898477	+	6.639E-27	3.4333E-25	-0.29902	hypo	sig	chr17_38898477
chr7	28408480	28408480	+	6.642E-27	3.4348E-25	0.318215	hyper	sig	chr7_28408480
chr21	36709684	36709684	+	6.645E-27	3.4363E-25	0.326901	hyper	sig	chr21_36709684
chr10	1.01E+08	101134234	+	6.662E-27	3.4448E-25	0.354316	hyper	sig	chr10_101134234
chr13	1.02E+08	102400558	+	6.663E-27	3.4451E-25	0.331337	hyper	sig	chr13_102400558
chr2	1.19E+08	118841987	+	6.663E-27	3.4451E-25	0.28689	hyper	sig	chr2_118841987
chr2	29075608	29075608	+	6.666E-27	3.4463E-25	-0.37061	hypo	sig	chr2_29075608
chr20	34547007	34547007	+	6.671E-27	3.4484E-25	-0.34058	hypo	sig	chr20_34547007
chr7	1.29E+08	128841291	+	6.677E-27	3.4513E-25	-0.39446	hypo	sig	chr7_128841291
chr8	53877909	53877909	+	6.689E-27	3.4576E-25	0.259865	hyper	sig	chr8_53877909
chr13	27929398	27929398	+	6.692E-27	3.4588E-25	0.411369	hyper	sig	chr13_27929398
chr4	1.39E+08	139279569	+	6.707E-27	3.4664E-25	0.247933	hyper	sig	chr4_139279569
chr6	1.66E+08	166168709	+	6.712E-27	3.4685E-25	0.253798	hyper	sig	chr6_166168709
chr13	57631902	57631902	+	6.714E-27	3.4693E-25	0.356753	hyper	sig	chr13_57631902
chr20	844963	844963	+	6.714E-27	3.4693E-25	0.261549	hyper	sig	chr20_844963
chr5	55220764	55220764	+	6.734E-27	3.4792E-25	0.263462	hyper	sig	chr5_55220764
chr6	30172406	30172406	+	6.755E-27	3.4897E-25	0.333397	hyper	sig	chr6_30172406
chr20	57326931	57326931	+	6.777E-27	3.5013E-25	-0.36114	hypo	sig	chr20_57326931

chr12	1.07E+08	106903518	+	6.782E-27	3.5035E-25	0.264527	hyper	sig	chr12_106903518
chr10	21175280	21175280	+	6.784E-27	3.5042E-25	-0.32783	hypo	sig	chr10_21175280
chr4	3385614	3385614	+	6.788E-27	3.5063E-25	-0.33893	hypo	sig	chr4_3385614
chr7	1.54E+08	153749684	+	6.794E-27	3.5089E-25	0.299791	hyper	sig	chr7_153749684
chr4	4858258	4858258	+	6.818E-27	3.521E-25	0.341946	hyper	sig	chr4_4858258
chr8	1817488	1817488	+	6.818E-27	3.521E-25	-0.27378	hypo	sig	chr8_1817488
chr1	2.28E+08	228464631	+	6.823E-27	3.5232E-25	0.232382	hyper	sig	chr1_228464631
chr1	16019800	16019800	+	6.828E-27	3.5255E-25	0.334715	hyper	sig	chr1_16019800
chr2	1.74E+08	174329016	+	6.829E-27	3.526E-25	0.328648	hyper	sig	chr2_174329016
chr13	38688054	38688054	+	6.842E-27	3.5323E-25	0.226555	hyper	sig	chr13_38688054
chr11	31801704	31801704	+	6.856E-27	3.5392E-25	0.274535	hyper	sig	chr11_31801704
chr12	1.33E+08	132768734	+	6.856E-27	3.5392E-25	0.324517	hyper	sig	chr12_132768734
chr7	27241727	27241727	+	6.86E-27	3.5409E-25	0.319251	hyper	sig	chr7_27241727
chr6	28814519	28814519	+	6.862E-27	3.542E-25	0.306014	hyper	sig	chr6_28814519
chr5	1103210	1103210	+	6.87E-27	3.5459E-25	0.283338	hyper	sig	chr5_1103210
chr17	81941444	81941444	+	6.878E-27	3.5498E-25	-0.37434	hypo	sig	chr17_81941444
chr11	64736049	64736049	+	6.882E-27	3.5517E-25	-0.38094	hypo	sig	chr11_64736049
chr16	87487770	87487770	+	6.887E-27	3.5538E-25	-0.26687	hypo	sig	chr16_87487770
chr4	3872220	3872220	+	6.895E-27	3.5575E-25	0.202633	hyper	sig	chr4_3872220
chr7	1.5E+08	150047357	+	6.899E-27	3.5598E-25	0.357937	hyper	sig	chr7_150047357
chr8	60876497	60876497	+	6.903E-27	3.5613E-25	-0.38377	hypo	sig	chr8_60876497
chr12	4809802	4809802	+	6.921E-27	3.5702E-25	0.299636	hyper	sig	chr12_4809802
chr9	970954	970954	+	6.923E-27	3.5712E-25	0.465318	hyper	sig	chr9_970954
chr3	13019415	13019415	+	6.93E-27	3.5745E-25	0.313266	hyper	sig	chr3_13019415
chr2	2.32E+08	231661061	+	6.937E-27	3.5776E-25	-0.28003	hypo	sig	chr2_231661061
chr1	16018063	16018063	+	6.939E-27	3.5784E-25	0.417315	hyper	sig	chr1_16018063
chr12	3493455	3493455	+	6.94E-27	3.5789E-25	0.408629	hyper	sig	chr12_3493455
chr8	39978425	39978425	+	6.942E-27	3.5798E-25	0.342434	hyper	sig	chr8_39978425
chr19	44904717	44904717	+	6.954E-27	3.5857E-25	-0.29614	hypo	sig	chr19_44904717
chr20	24470896	24470896	+	6.962E-27	3.5894E-25	0.341226	hyper	sig	chr20_24470896
chr8	56113370	56113370	+	6.965E-27	3.5908E-25	0.328704	hyper	sig	chr8_56113370
chr19	55087506	55087506	+	6.967E-27	3.5919E-25	0.354523	hyper	sig	chr19_55087506
chr17	76948793	76948793	+	6.972E-27	3.5943E-25	-0.37482	hypo	sig	chr17_76948793
chr10	1.32E+08	132138195	+	7.015E-27	3.6162E-25	-0.29611	hypo	sig	chr10_132138195
chr19	37251856	37251856	+	7.021E-27	3.6188E-25	0.346111	hyper	sig	chr19_37251856
chr12	8612740	8612740	+	7.034E-27	3.6253E-25	-0.35796	hypo	sig	chr12_8612740
chr2	2.18E+08	218354924	+	7.034E-27	3.6253E-25	-0.37045	hypo	sig	chr2_218354924
chr11	1.02E+08	101583949	+	7.042E-27	3.6289E-25	0.334498	hyper	sig	chr11_101583949
chr16	3690773	3690773	+	7.043E-27	3.6292E-25	0.292538	hyper	sig	chr16_3690773
chr13	30735266	30735266	+	7.069E-27	3.6423E-25	-0.31887	hypo	sig	chr13_30735266
chr19	58356321	58356321	+	7.069E-27	3.6423E-25	0.327677	hyper	sig	chr19_58356321
chr15	89360380	89360380	+	7.074E-27	3.6443E-25	0.432475	hyper	sig	chr15_89360380
chr16	166653	166653	+	7.078E-27	3.6463E-25	0.227517	hyper	sig	chr16_166653
chr5	45696387	45696387	+	7.082E-27	3.6483E-25	0.341301	hyper	sig	chr5_45696387
chr12	45051278	45051278	+	7.089E-27	3.6518E-25	0.326482	hyper	sig	chr12_45051278
chr5	31855312	31855312	+	7.103E-27	3.6586E-25	0.274257	hyper	sig	chr5_31855312
chr1	17419832	17419832	+	7.111E-27	3.6627E-25	0.283091	hyper	sig	chr1_17419832
chr16	692440	692440	+	7.122E-27	3.6677E-25	-0.2001	hypo	sig	chr16_692440
chr11	20606051	20606051	+	7.128E-27	3.6708E-25	0.322449	hyper	sig	chr11_20606051
chr14	1.04E+08	104220290	+	7.129E-27	3.6708E-25	-0.33149	hypo	sig	chr14_104220290
chr15	82846596	82846596	+	7.131E-27	3.6718E-25	-0.28078	hypo	sig	chr15_82846596
chr5	1.5E+08	150156209	+	7.139E-27	3.6755E-25	0.328628	hyper	sig	chr5_150156209
chr2	1.19E+08	119158225	+	7.166E-27	3.6891E-25	0.358676	hyper	sig	chr2_119158225
chr13	21668903	21668903	+	7.168E-27	3.6899E-25	0.32353	hyper	sig	chr13_21668903
chr1	2.26E+08	225835889	+	7.178E-27	3.695E-25	0.271441	hyper	sig	chr1_225835889
chr17	45429836	45429836	+	7.191E-27	3.7013E-25	0.391642	hyper	sig	chr17_45429836

chr3	44585000	44585000	+	7.198E-27	3.7049E-25	0.258591	hyper	sig	chr3_44585000
chr11	64061288	64061288	+	7.204E-27	3.7076E-25	0.371799	hyper	sig	chr11_64061288
chr2	1.15E+08	115162992	+	7.207E-27	3.7089E-25	0.323176	hyper	sig	chr2_115162992
chr11	30585829	30585829	+	7.212E-27	3.7112E-25	0.326728	hyper	sig	chr11_30585829
chr11	60615933	60615933	+	7.217E-27	3.7137E-25	-0.32467	hypo	sig	chr11_60615933
chr1	9652538	9652538	+	7.227E-27	3.7184E-25	0.264989	hyper	sig	chr1_9652538
chr11	20161526	20161526	+	7.261E-27	3.7356E-25	0.256045	hyper	sig	chr11_20161526
chr11	1.23E+08	122977866	+	7.275E-27	3.7422E-25	0.340327	hyper	sig	chr11_122977866
chr19	12195353	12195353	+	7.274E-27	3.7422E-25	0.268841	hyper	sig	chr19_12195353
chr7	2567196	2567196	+	7.281E-27	3.745E-25	0.342895	hyper	sig	chr7_2567196
chr10	11443803	11443803	+	7.282E-27	3.7455E-25	-0.30765	hypo	sig	chr10_11443803
chr12	1.3E+08	129697092	+	7.297E-27	3.7529E-25	0.348982	hyper	sig	chr12_129697092
chr12	41188265	41188265	+	7.319E-27	3.7639E-25	0.346828	hyper	sig	chr12_41188265
chr11	20598743	20598743	+	7.319E-27	3.764E-25	0.397209	hyper	sig	chr11_20598743
chr6	1.68E+08	167797385	+	7.335E-27	3.7717E-25	-0.34606	hypo	sig	chr6_167797385
chr7	97013452	97013452	+	7.335E-27	3.7717E-25	0.301603	hyper	sig	chr7_97013452
chr3	1.38E+08	137763084	+	7.338E-27	3.7727E-25	0.315608	hyper	sig	chr3_137763084
chr2	2.18E+08	218419622	+	7.339E-27	3.7732E-25	-0.34307	hypo	sig	chr2_218419622
chr1	1.14E+08	114154839	+	7.348E-27	3.7774E-25	0.329019	hyper	sig	chr1_114154839
chr14	36503999	36503999	+	7.362E-27	3.7845E-25	0.268512	hyper	sig	chr14_36503999
chr13	26760096	26760096	+	7.377E-27	3.7921E-25	0.233781	hyper	sig	chr13_26760096
chr18	32139968	32139968	+	7.391E-27	3.7987E-25	-0.3282	hypo	sig	chr18_32139968
chr2	74499856	74499856	+	7.398E-27	3.8023E-25	0.242418	hyper	sig	chr2_74499856
chr17	80942530	80942530	+	7.418E-27	3.8122E-25	0.457086	hyper	sig	chr17_80942530
chr2	1.07E+08	106885630	+	7.425E-27	3.8158E-25	0.225503	hyper	sig	chr2_106885630
chr11	1.06E+08	105610694	+	7.427E-27	3.8164E-25	0.205561	hyper	sig	chr11_105610694
chr4	26804676	26804676	+	7.427E-27	3.8164E-25	0.314943	hyper	sig	chr4_26804676
chr10	93065906	93065906	+	7.428E-27	3.8166E-25	0.333289	hyper	sig	chr10_93065906
chr19	19514555	19514555	+	7.429E-27	3.8166E-25	0.332245	hyper	sig	chr19_19514555
chr5	1.79E+08	178941421	+	7.43E-27	3.8172E-25	0.419267	hyper	sig	chr5_178941421
chr1	39671408	39671408	+	7.441E-27	3.8225E-25	0.380597	hyper	sig	chr1_39671408
chr11	67989844	67989844	+	7.445E-27	3.8243E-25	-0.32717	hypo	sig	chr11_67989844
chr2	1.28E+08	127653066	+	7.451E-27	3.8271E-25	0.354243	hyper	sig	chr2_127653066
chr2	2.35E+08	234974991	+	7.456E-27	3.8293E-25	0.268317	hyper	sig	chr2_234974991
chr5	1.77E+08	176619961	+	7.456E-27	3.8293E-25	0.342361	hyper	sig	chr5_176619961
chr22	49671282	49671282	+	7.458E-27	3.8301E-25	0.355853	hyper	sig	chr22_49671282
chr7	1.49E+08	149415193	+	7.461E-27	3.8313E-25	0.35929	hyper	sig	chr7_149415193
chr8	10733131	10733131	+	7.465E-27	3.8329E-25	0.272176	hyper	sig	chr8_10733131
chr5	1.41E+08	141094560	+	7.475E-27	3.8379E-25	0.316328	hyper	sig	chr5_141094560
chr10	633448	633448	+	7.499E-27	3.8498E-25	0.314297	hyper	sig	chr10_633448
chr5	3597595	3597595	+	7.499E-27	3.8498E-25	0.313649	hyper	sig	chr5_3597595
chr8	54466696	54466696	+	7.54E-27	3.8708E-25	0.299379	hyper	sig	chr8_54466696
chr11	65593040	65593040	+	7.551E-27	3.8762E-25	0.313235	hyper	sig	chr11_65593040
chr11	844390	844390	+	7.565E-27	3.8828E-25	0.208918	hyper	sig	chr11_844390
chr16	2124762	2124762	+	7.567E-27	3.8837E-25	0.356053	hyper	sig	chr16_2124762
chr3	1.54E+08	154429009	+	7.568E-27	3.884E-25	0.286529	hyper	sig	chr3_154429009
chr7	5304092	5304092	+	7.576E-27	3.8878E-25	-0.33964	hypo	sig	chr7_5304092
chr13	1.08E+08	107867885	+	7.58E-27	3.8898E-25	0.259061	hyper	sig	chr13_107867885
chr7	1.22E+08	122310200	+	7.584E-27	3.8914E-25	0.285429	hyper	sig	chr7_122310200
chr8	53876624	53876624	+	7.585E-27	3.8918E-25	0.4595	hyper	sig	chr8_53876624
chr10	1.29E+08	128527995	+	7.587E-27	3.8928E-25	-0.31651	hypo	sig	chr10_128527995
chr1	6386174	6386174	+	7.597E-27	3.8974E-25	-0.32567	hypo	sig	chr1_6386174
chr19	49699267	49699267	+	7.625E-27	3.9117E-25	-0.34005	hypo	sig	chr19_49699267
chr5	1876310	1876310	+	7.631E-27	3.9146E-25	0.318077	hyper	sig	chr5_1876310
chr2	86790296	86790296	+	7.634E-27	3.9157E-25	0.285235	hyper	sig	chr2_86790296
chr7	54542689	54542689	+	7.642E-27	3.9193E-25	0.415626	hyper	sig	chr7_54542689

chr1	75128423	75128423	+	7.655E-27	3.9261E-25	0.306452	hyper	sig	chr1_75128423
chr22	46685869	46685869	+	7.661E-27	3.929E-25	-0.29562	hypo	sig	chr22_46685869
chr20	21713747	21713747	+	7.664E-27	3.9303E-25	0.339166	hyper	sig	chr20_21713747
chr5	1.16E+08	115816734	+	7.68E-27	3.938E-25	0.278628	hyper	sig	chr5_115816734
chr13	52848213	52848213	+	7.695E-27	3.945E-25	0.315972	hyper	sig	chr13_52848213
chr1	2.02E+08	202122816	+	7.717E-27	3.9564E-25	0.336462	hyper	sig	chr1_202122816
chr10	684027	684027	+	7.724E-27	3.9594E-25	0.271995	hyper	sig	chr10_684027
chr10	3288379	3288379	+	7.732E-27	3.9635E-25	-0.36746	hypo	sig	chr10_3288379
chr1	2.48E+08	247549367	+	7.738E-27	3.9664E-25	-0.35238	hypo	sig	chr1_247549367
chr6	50850473	50850473	+	7.74E-27	3.967E-25	0.299859	hyper	sig	chr6_50850473
chr1	2.28E+08	227888035	+	7.757E-27	3.9754E-25	0.343308	hyper	sig	chr1_227888035
chr10	1.03E+08	103277970	+	7.759E-27	3.9764E-25	0.358116	hyper	sig	chr10_103277970
chr1	20552261	20552261	+	7.765E-27	3.9792E-25	0.354848	hyper	sig	chr1_20552261
chr7	50402053	50402053	+	7.775E-27	3.9841E-25	-0.43679	hypo	sig	chr7_50402053
chr13	42011937	42011937	+	7.781E-27	3.9866E-25	-0.31691	hypo	sig	chr13_42011937
chr6	30172376	30172376	+	7.781E-27	3.9866E-25	0.334294	hyper	sig	chr6_30172376
chr2	1.28E+08	127681771	+	7.782E-27	3.987E-25	0.316413	hyper	sig	chr2_127681771
chr1	90834830	90834830	+	7.788E-27	3.9896E-25	0.287219	hyper	sig	chr1_90834830
chr7	1.02E+08	102176072	+	7.791E-27	3.9904E-25	0.238026	hyper	sig	chr7_102176072
chr8	68331666	68331666	+	7.79E-27	3.9904E-25	0.262376	hyper	sig	chr8_68331666
chr4	41880939	41880939	+	7.794E-27	3.9919E-25	0.299168	hyper	sig	chr4_41880939
chr4	41867408	41867408	+	7.856E-27	4.0233E-25	0.313682	hyper	sig	chr4_41867408
chr13	52335595	52335595	+	7.862E-27	4.0265E-25	-0.30874	hypo	sig	chr13_52335595
chr5	1100357	1100357	+	7.864E-27	4.0268E-25	0.418407	hyper	sig	chr5_1100357
chr10	1.03E+08	103473610	+	7.872E-27	4.0309E-25	0.317593	hyper	sig	chr10_103473610
chr16	89202523	89202523	+	7.885E-27	4.037E-25	0.304706	hyper	sig	chr16_89202523
chr7	95773261	95773261	+	7.904E-27	4.047E-25	0.359448	hyper	sig	chr7_95773261
chr17	77377105	77377105	+	7.913E-27	4.0509E-25	0.308835	hyper	sig	chr17_77377105
chr1	6330470	6330470	+	7.936E-27	4.0624E-25	0.31151	hyper	sig	chr1_6330470
chr3	1.97E+08	196978758	+	7.945E-27	4.0669E-25	0.31416	hyper	sig	chr3_196978758
chr6	30163137	30163137	+	7.95E-27	4.0691E-25	-0.3006	hypo	sig	chr6_30163137
chr1	92480534	92480534	+	7.956E-27	4.0721E-25	0.499713	hyper	sig	chr1_92480534
chr10	70552312	70552312	+	7.957E-27	4.0723E-25	0.299112	hyper	sig	chr10_70552312
chr19	12648276	12648276	+	7.962E-27	4.0746E-25	0.298837	hyper	sig	chr19_12648276
chr3	27723852	27723852	+	7.963E-27	4.0746E-25	0.34092	hyper	sig	chr3_27723852
chr10	1.24E+08	123584250	+	7.978E-27	4.0825E-25	0.316752	hyper	sig	chr10_123584250
chr20	25081154	25081154	+	7.981E-27	4.0834E-25	0.414522	hyper	sig	chr20_25081154
chr8	54466441	54466441	+	7.981E-27	4.0834E-25	0.454537	hyper	sig	chr8_54466441
chr17	76386431	76386431	+	7.982E-27	4.0836E-25	0.328004	hyper	sig	chr17_76386431
chr20	38445542	38445542	+	8.004E-27	4.0944E-25	-0.33125	hypo	sig	chr20_38445542
chr18	909103	909103	+	8.006E-27	4.0952E-25	0.359898	hyper	sig	chr18_909103
chr1	54547844	54547844	+	8.008E-27	4.0961E-25	0.26115	hyper	sig	chr1_54547844
chr19	56765402	56765402	+	8.019E-27	4.1017E-25	0.344113	hyper	sig	chr19_56765402
chr5	88602856	88602856	+	8.022E-27	4.1028E-25	-0.27395	hypo	sig	chr5_88602856
chr4	1.12E+08	112379600	+	8.031E-27	4.1071E-25	0.331102	hyper	sig	chr4_112379600
chr3	1.49E+08	149377517	+	8.034E-27	4.1084E-25	-0.33936	hypo	sig	chr3_149377517
chr15	52789053	52789053	+	8.046E-27	4.1141E-25	0.349888	hyper	sig	chr15_52789053
chr21	43826608	43826608	+	8.067E-27	4.1244E-25	0.317463	hyper	sig	chr21_43826608
chr7	1.22E+08	122300897	+	8.071E-27	4.1263E-25	0.295342	hyper	sig	chr7_122300897
chr4	1407669	1407669	+	8.077E-27	4.1294E-25	0.424723	hyper	sig	chr4_1407669
chr8	72251289	72251289	+	8.078E-27	4.1295E-25	0.350789	hyper	sig	chr8_72251289
chr11	90134710	90134710	+	8.08E-27	4.1301E-25	0.253826	hyper	sig	chr11_90134710
chr1	16520794	16520794	+	8.084E-27	4.1322E-25	0.295852	hyper	sig	chr1_16520794
chr7	99558501	99558501	+	8.086E-27	4.1329E-25	0.201336	hyper	sig	chr7_99558501
chr11	64972256	64972256	+	8.092E-27	4.1356E-25	0.32589	hyper	sig	chr11_64972256
chr9	1.23E+08	123115699	+	8.096E-27	4.1375E-25	0.297938	hyper	sig	chr9_123115699

chr3	1.96E+08	195803220	+	8.099E-27	4.1388E-25	0.314018	hyper	sig	chr3_195803220
chr4	1.84E+08	183905140	+	8.104E-27	4.1409E-25	0.228062	hyper	sig	chr4_183905140
chr19	1762499	1762499	+	8.117E-27	4.1475E-25	0.41563	hyper	sig	chr19_1762499
chr19	36421800	36421800	+	8.139E-27	4.1582E-25	0.34889	hyper	sig	chr19_36421800
chr2	70768025	70768025	+	8.156E-27	4.167E-25	0.261017	hyper	sig	chr2_70768025
chr2	1.37E+08	136764908	+	8.157E-27	4.1672E-25	0.366204	hyper	sig	chr2_136764908
chr21	36704409	36704409	+	8.161E-27	4.1688E-25	0.388462	hyper	sig	chr21_36704409
chr16	57639316	57639316	+	8.186E-27	4.1812E-25	0.370533	hyper	sig	chr16_57639316
chr3	26623304	26623304	+	8.194E-27	4.185E-25	0.309333	hyper	sig	chr3_26623304
chr2	96527486	96527486	+	8.205E-27	4.1903E-25	0.357906	hyper	sig	chr2_96527486
chr20	38734632	38734632	+	8.206E-27	4.1905E-25	-0.28748	hypo	sig	chr20_38734632
chr6	86937059	86937059	+	8.206E-27	4.1905E-25	0.389221	hyper	sig	chr6_86937059
chr11	32433441	32433441	+	8.212E-27	4.193E-25	0.324356	hyper	sig	chr11_32433441
chr19	53132798	53132798	+	8.212E-27	4.193E-25	0.279743	hyper	sig	chr19_53132798
chr1	2.08E+08	207669739	+	8.22E-27	4.1967E-25	0.325577	hyper	sig	chr1_207669739
chr2	3282571	3282571	+	8.223E-27	4.1979E-25	0.274676	hyper	sig	chr2_3282571
chr8	54454268	54454268	+	8.225E-27	4.1991E-25	0.361991	hyper	sig	chr8_54454268
chr19	5288203	5288203	+	8.245E-27	4.209E-25	-0.35918	hypo	sig	chr19_5288203
chr2	29115080	29115080	+	8.251E-27	4.2117E-25	0.350271	hyper	sig	chr2_29115080
chr17	77881762	77881762	+	8.259E-27	4.2153E-25	-0.32037	hypo	sig	chr17_77881762
chr1	1.47E+08	147078892	+	8.262E-27	4.2167E-25	0.345131	hyper	sig	chr1_147078892
chr2	96859022	96859022	+	8.285E-27	4.2283E-25	0.3755	hyper	sig	chr2_96859022
chr5	64506423	64506423	+	8.287E-27	4.2291E-25	0.255989	hyper	sig	chr5_64506423
chr12	1.15E+08	114696573	+	8.298E-27	4.2343E-25	0.272342	hyper	sig	chr12_114696573
chr2	71452711	71452711	+	8.301E-27	4.2357E-25	-0.32092	hypo	sig	chr2_71452711
chr1	1.53E+08	153390526	+	8.306E-27	4.2376E-25	-0.32612	hypo	sig	chr1_153390526
chr8	64376670	64376670	+	8.31E-27	4.2398E-25	0.349498	hyper	sig	chr8_64376670
chr21	36710302	36710302	+	8.311E-27	4.24E-25	0.301129	hyper	sig	chr21_36710302
chr5	1100297	1100297	+	8.318E-27	4.2428E-25	0.344323	hyper	sig	chr5_1100297
chr7	71132528	71132528	+	8.325E-27	4.2461E-25	0.407083	hyper	sig	chr7_71132528
chr2	2.32E+08	232486247	+	8.326E-27	4.2462E-25	0.306289	hyper	sig	chr2_232486247
chr9	97848415	97848415	+	8.332E-27	4.2487E-25	0.424154	hyper	sig	chr9_97848415
chr16	81493794	81493794	+	8.358E-27	4.2616E-25	-0.27637	hypo	sig	chr16_81493794
chr12	1.1E+08	109716387	+	8.365E-27	4.265E-25	0.391081	hyper	sig	chr12_109716387
chr7	97731852	97731852	+	8.383E-27	4.2736E-25	0.303942	hyper	sig	chr7_97731852
chr5	64506598	64506598	+	8.389E-27	4.2765E-25	0.242613	hyper	sig	chr5_64506598
chr1	1.48E+08	148310051	+	8.393E-27	4.2786E-25	0.341065	hyper	sig	chr1_148310051
chr2	27308729	27308729	+	8.396E-27	4.2798E-25	0.33176	hyper	sig	chr2_27308729
chr1	1.56E+08	155961972	+	8.401E-27	4.2822E-25	-0.33586	hypo	sig	chr1_155961972
chr2	1.19E+08	119158222	+	8.402E-27	4.2822E-25	0.356294	hyper	sig	chr2_119158222
chr10	90857068	90857068	+	8.404E-27	4.2827E-25	0.434024	hyper	sig	chr10_90857068
chr13	36297531	36297531	+	8.404E-27	4.2827E-25	0.206245	hyper	sig	chr13_36297531
chr7	1742519	1742519	+	8.425E-27	4.2929E-25	-0.45645	hypo	sig	chr7_1742519
chr12	63669180	63669180	+	8.449E-27	4.3047E-25	0.220414	hyper	sig	chr12_63669180
chr4	1.85E+08	185020894	+	8.451E-27	4.3057E-25	0.308829	hyper	sig	chr4_185020894
chr7	5349224	5349224	+	8.466E-27	4.3128E-25	0.307646	hyper	sig	chr7_5349224
chr14	1.05E+08	105480087	+	8.494E-27	4.3272E-25	-0.303	hypo	sig	chr14_105480087
chr3	62370653	62370653	+	8.496E-27	4.3278E-25	0.323444	hyper	sig	chr3_62370653
chr9	1.33E+08	133114295	+	8.498E-27	4.3282E-25	0.301606	hyper	sig	chr9_133114295
chr14	20435452	20435452	+	8.5E-27	4.3288E-25	0.392809	hyper	sig	chr14_20435452
chr4	1.74E+08	173518774	+	8.5E-27	4.3288E-25	0.404834	hyper	sig	chr4_173518774
chr13	77919426	77919426	+	8.501E-27	4.329E-25	0.296877	hyper	sig	chr13_77919426
chr8	71842666	71842666	+	8.518E-27	4.3378E-25	0.347787	hyper	sig	chr8_71842666
chr19	53308664	53308664	+	8.522E-27	4.3392E-25	0.315018	hyper	sig	chr19_53308664
chr4	8394329	8394329	+	8.531E-27	4.3434E-25	0.30467	hyper	sig	chr4_8394329
chr20	43189230	43189230	+	8.534E-27	4.3446E-25	0.30086	hyper	sig	chr20_43189230

chr2	1.1E+08	110216369	+	8.535E-27	4.3452E-25	-0.31221	hypo	sig	chr2_110216369
chr10	69571889	69571889	+	8.54E-27	4.3474E-25	0.331418	hyper	sig	chr10_69571889
chr1	1.07E+08	107140180	+	8.571E-27	4.3631E-25	0.305749	hyper	sig	chr1_107140180
chr11	1.11E+08	110712876	+	8.594E-27	4.3744E-25	0.285894	hyper	sig	chr11_110712876
chr7	1124080	1124080	+	8.595E-27	4.3745E-25	0.371402	hyper	sig	chr7_1124080
chr19	34962770	34962770	+	8.622E-27	4.388E-25	-0.34703	hypo	sig	chr19_34962770
chr7	1.59E+08	158974392	+	8.63E-27	4.3919E-25	-0.32496	hypo	sig	chr7_158974392
chr7	73893874	73893874	+	8.66E-27	4.407E-25	0.401939	hyper	sig	chr7_73893874
chr12	62192486	62192486	+	8.668E-27	4.4104E-25	0.421904	hyper	sig	chr12_62192486
chr15	89409716	89409716	+	8.679E-27	4.4158E-25	0.340562	hyper	sig	chr15_89409716
chr9	977805	977805	+	8.705E-27	4.4289E-25	0.358463	hyper	sig	chr9_977805
chr5	2186692	2186692	+	8.717E-27	4.4349E-25	-0.39213	hypo	sig	chr5_2186692
chr14	91575054	91575054	+	8.73E-27	4.4412E-25	-0.32234	hypo	sig	chr14_91575054
chr7	1.22E+08	122306991	+	8.733E-27	4.4425E-25	0.254209	hyper	sig	chr7_122306991
chr3	1.14E+08	114239098	+	8.751E-27	4.4513E-25	-0.38205	hypo	sig	chr3_114239098
chr1	47445272	47445272	+	8.77E-27	4.4604E-25	0.235275	hyper	sig	chr1_47445272
chr1	1.21E+08	121118175	+	8.771E-27	4.4608E-25	0.336311	hyper	sig	chr1_121118175
chr10	1.3E+08	129969885	+	8.781E-27	4.4655E-25	0.272097	hyper	sig	chr10_129969885
chr17	1137817	1137817	+	8.783E-27	4.4664E-25	-0.31285	hypo	sig	chr17_1137817
chr17	81472285	81472285	+	8.817E-27	4.4831E-25	0.319544	hyper	sig	chr17_81472285
chr20	38674358	38674358	+	8.82E-27	4.4845E-25	0.383695	hyper	sig	chr20_38674358
chr14	91285429	91285429	+	8.846E-27	4.4973E-25	0.329674	hyper	sig	chr14_91285429
chr22	24607560	24607560	+	8.856E-27	4.5021E-25	-0.28733	hypo	sig	chr22_24607560
chr6	1.66E+08	165664177	+	8.856E-27	4.5021E-25	0.296851	hyper	sig	chr6_165664177
chr5	71719698	71719698	+	8.868E-27	4.5078E-25	0.390116	hyper	sig	chr5_71719698
chr11	1.34E+08	134471473	+	8.877E-27	4.5121E-25	0.338015	hyper	sig	chr11_134471473
chr4	1.55E+08	154743038	+	8.918E-27	4.5329E-25	0.319105	hyper	sig	chr4_154743038
chr12	1.14E+08	114441155	+	8.925E-27	4.5359E-25	0.259845	hyper	sig	chr12_114441155
chr9	98941239	98941239	+	8.929E-27	4.5377E-25	-0.27006	hypo	sig	chr9_98941239
chr4	5710949	5710949	+	8.935E-27	4.5407E-25	0.338198	hyper	sig	chr4_5710949
chr16	6483774	6483774	+	8.942E-27	4.5436E-25	0.262412	hyper	sig	chr16_6483774
chr16	30821274	30821274	+	8.946E-27	4.5453E-25	-0.41607	hypo	sig	chr16_30821274
chr13	1.11E+08	110506849	+	8.957E-27	4.5508E-25	-0.39232	hypo	sig	chr13_110506849
chr10	21175271	21175271	+	8.968E-27	4.5563E-25	-0.36738	hypo	sig	chr10_21175271
chr17	48551055	48551055	+	8.969E-27	4.5565E-25	0.394017	hyper	sig	chr17_48551055
chr7	78023069	78023069	+	8.974E-27	4.5583E-25	-0.29204	hypo	sig	chr7_78023069
chr6	1.69E+08	169225568	+	8.994E-27	4.5682E-25	-0.40178	hypo	sig	chr6_169225568
chr22	38239741	38239741	+	9.002E-27	4.5722E-25	0.295326	hyper	sig	chr22_38239741
chr10	7412662	7412662	+	9.004E-27	4.5731E-25	0.319867	hyper	sig	chr10_7412662
chr7	1733566	1733566	+	9.018E-27	4.58E-25	-0.31327	hypo	sig	chr7_1733566
chr6	1.06E+08	105986514	+	9.023E-27	4.5819E-25	0.308388	hyper	sig	chr6_105986514
chr10	77711239	77711239	+	9.025E-27	4.5827E-25	0.297655	hyper	sig	chr10_77711239
chr17	82795392	82795392	+	9.059E-27	4.5995E-25	0.271225	hyper	sig	chr17_82795392
chr1	2.21E+08	220881464	+	9.06E-27	4.6002E-25	0.344664	hyper	sig	chr1_220881464
chr12	96234960	96234960	+	9.062E-27	4.6004E-25	0.359945	hyper	sig	chr12_96234960
chr5	1.73E+08	172748649	+	9.062E-27	4.6004E-25	0.384804	hyper	sig	chr5_172748649
chr9	1.3E+08	129598509	+	9.07E-27	4.6042E-25	-0.33039	hypo	sig	chr9_129598509
chr12	62192484	62192484	+	9.079E-27	4.6083E-25	0.417593	hyper	sig	chr12_62192484
chr5	1.56E+08	155729536	+	9.089E-27	4.613E-25	0.347723	hyper	sig	chr5_155729536
chr13	23392125	23392125	+	9.091E-27	4.6138E-25	-0.43367	hypo	sig	chr13_23392125
chr12	1.14E+08	114439663	+	9.091E-27	4.6139E-25	0.334298	hyper	sig	chr12_114439663
chr7	1.54E+08	153745348	+	9.114E-27	4.625E-25	-0.32203	hypo	sig	chr7_153745348
chr7	561676	561676	+	9.13E-27	4.6331E-25	0.271316	hyper	sig	chr7_561676
chr14	24311275	24311275	+	9.141E-27	4.6382E-25	0.24887	hyper	sig	chr14_24311275
chr8	1.31E+08	131042467	+	9.147E-27	4.6408E-25	0.33618	hyper	sig	chr8_131042467
chr6	1594065	1594065	+	9.153E-27	4.6435E-25	-0.38238	hypo	sig	chr6_1594065

chr20	64053179	64053179	+	9.153E-27	4.6436E-25	-0.41318	hypo	sig	chr20_64053179
chr1	1.19E+08	118987386	+	9.161E-27	4.647E-25	0.314175	hyper	sig	chr1_118987386
chr6	1.67E+08	166870949	+	9.162E-27	4.6473E-25	-0.23458	hypo	sig	chr6_166870949
chr8	1.44E+08	143939058	+	9.171E-27	4.6519E-25	-0.26313	hypo	sig	chr8_143939058
chr11	64972267	64972267	+	9.201E-27	4.6665E-25	0.330753	hyper	sig	chr11_64972267
chr5	1.41E+08	141431782	+	9.22E-27	4.6759E-25	0.33927	hyper	sig	chr5_141431782
chr1	2274435	2274435	+	9.222E-27	4.6764E-25	0.344055	hyper	sig	chr1_2274435
chr7	79454271	79454271	+	9.224E-27	4.6773E-25	0.322316	hyper	sig	chr7_79454271
chr2	1.61E+08	160647332	+	9.226E-27	4.6781E-25	-0.31158	hypo	sig	chr2_160647332
chr6	32064842	32064842	+	9.244E-27	4.6868E-25	-0.29173	hypo	sig	chr6_32064842
chr11	26994350	26994350	+	9.288E-27	4.7092E-25	0.36447	hyper	sig	chr11_26994350
chr16	29154877	29154877	+	9.332E-27	4.7308E-25	0.332246	hyper	sig	chr16_29154877
chr2	89611933	89611933	+	9.333E-27	4.7314E-25	0.374265	hyper	sig	chr2_89611933
chr10	71963457	71963457	+	9.35E-27	4.7397E-25	0.305396	hyper	sig	chr10_71963457
chr2	44932972	44932972	+	9.353E-27	4.7407E-25	0.357106	hyper	sig	chr2_44932972
chr5	1.46E+08	146342990	+	9.374E-27	4.751E-25	0.387952	hyper	sig	chr5_146342990
chr5	1.73E+08	172748680	+	9.377E-27	4.7521E-25	0.351593	hyper	sig	chr5_172748680
chr16	1482474	1482474	+	9.38E-27	4.7534E-25	-0.41889	hypo	sig	chr16_1482474
chr1	2.29E+08	229407305	+	9.401E-27	4.7637E-25	0.385837	hyper	sig	chr1_229407305
chr8	48574081	48574081	+	9.416E-27	4.7711E-25	-0.33958	hypo	sig	chr8_48574081
chr1	3140167	3140167	+	9.418E-27	4.7717E-25	0.339673	hyper	sig	chr1_3140167
chr7	1421341	1421341	+	9.434E-27	4.7798E-25	-0.31952	hypo	sig	chr7_1421341
chr13	95552918	95552918	+	9.442E-27	4.7836E-25	0.43494	hyper	sig	chr13_95552918
chr17	28384738	28384738	+	9.446E-27	4.7851E-25	-0.35022	hypo	sig	chr17_28384738
chr11	72013316	72013316	+	9.457E-27	4.7902E-25	0.300427	hyper	sig	chr11_72013316
chr7	35185779	35185779	+	9.46E-27	4.7917E-25	0.238952	hyper	sig	chr7_35185779
chr3	1.3E+08	129974770	+	9.464E-27	4.7934E-25	0.352022	hyper	sig	chr3_129974770
chr3	1.41E+08	141095276	+	9.481E-27	4.8016E-25	0.317226	hyper	sig	chr3_141095276
chr12	1.19E+08	119175450	+	9.509E-27	4.8156E-25	-0.3276	hypo	sig	chr12_119175450
chr16	991234	991234	+	9.511E-27	4.8163E-25	-0.33984	hypo	sig	chr16_991234
chr6	31632439	31632439	+	9.524E-27	4.8225E-25	0.287263	hyper	sig	chr6_31632439
chr14	1.07E+08	106843889	+	9.536E-27	4.8284E-25	-0.30771	hypo	sig	chr14_106843889
chr12	1644274	1644274	+	9.546E-27	4.833E-25	0.299154	hyper	sig	chr12_1644274
chr4	75556089	75556089	+	9.546E-27	4.833E-25	-0.27531	hypo	sig	chr4_75556089
chr6	1.6E+08	160258779	+	9.548E-27	4.8337E-25	0.281767	hyper	sig	chr6_160258779
chr18	23134368	23134368	+	9.551E-27	4.8347E-25	-0.33555	hypo	sig	chr18_23134368
chr11	1.19E+08	118531565	+	9.562E-27	4.8399E-25	0.412017	hyper	sig	chr11_118531565
chr10	72009352	72009352	+	9.565E-27	4.8408E-25	0.327855	hyper	sig	chr10_72009352
chr2	64993088	64993088	+	9.565E-27	4.8408E-25	-0.40567	hypo	sig	chr2_64993088
chr12	1.25E+08	124563686	+	9.577E-27	4.8465E-25	0.295328	hyper	sig	chr12_124563686
chr16	1026241	1026241	+	9.579E-27	4.8472E-25	0.297624	hyper	sig	chr16_1026241
chr7	923185	923185	+	9.618E-27	4.8666E-25	-0.21373	hypo	sig	chr7_923185
chr19	49133278	49133278	+	9.623E-27	4.8687E-25	0.352187	hyper	sig	chr19_49133278
chr1	3227114	3227114	+	9.646E-27	4.8802E-25	0.337669	hyper	sig	chr1_3227114
chr17	81026860	81026860	+	9.656E-27	4.8848E-25	0.323084	hyper	sig	chr17_81026860
chr19	6534812	6534812	+	9.661E-27	4.887E-25	0.307155	hyper	sig	chr19_6534812
chr12	1.32E+08	132287349	+	9.663E-27	4.8879E-25	-0.29064	hypo	sig	chr12_132287349
chr6	27680632	27680632	+	9.691E-27	4.9015E-25	0.286663	hyper	sig	chr6_27680632
chr6	1E+08	100448884	+	9.696E-27	4.9037E-25	0.281611	hyper	sig	chr6_100448884
chr8	64578744	64578744	+	9.7E-27	4.9056E-25	0.346511	hyper	sig	chr8_64578744
chr6	30260368	30260368	+	9.702E-27	4.9063E-25	0.252938	hyper	sig	chr6_30260368
chr11	1.24E+08	124029949	+	9.709E-27	4.9097E-25	-0.34123	hypo	sig	chr11_124029949
chr11	40293769	40293769	+	9.713E-27	4.9112E-25	0.259705	hyper	sig	chr11_40293769
chr1	93592232	93592232	+	9.739E-27	4.9239E-25	-0.30055	hypo	sig	chr1_93592232
chr16	81693451	81693451	+	9.761E-27	4.9346E-25	0.251749	hyper	sig	chr16_81693451
chr16	54290275	54290275	+	9.764E-27	4.936E-25	0.311673	hyper	sig	chr16_54290275

chr1	2E+08	200041703	+	9.765E-27	4.9364E-25	0.40582	hyper	sig	chr1_200041703
chr16	58464630	58464630	+	9.768E-27	4.9369E-25	0.201117	hyper	sig	chr16_58464630
chr17	81461066	81461066	+	9.768E-27	4.9369E-25	-0.30971	hypo	sig	chr17_81461066
chr7	1.54E+08	153749121	+	9.768E-27	4.9369E-25	0.354294	hyper	sig	chr7_153749121
chr15	88638185	88638185	+	9.787E-27	4.9464E-25	-0.30395	hypo	sig	chr15_88638185
chr16	29140629	29140629	+	9.824E-27	4.9645E-25	0.27702	hyper	sig	chr16_29140629
chr4	1.84E+08	184001540	+	9.839E-27	4.972E-25	-0.35121	hypo	sig	chr4_184001540
chr7	1E+08	100177874	+	9.841E-27	4.9725E-25	0.294567	hyper	sig	chr7_100177874
chr14	36503975	36503975	+	9.844E-27	4.974E-25	0.276237	hyper	sig	chr14_36503975
chr17	80478215	80478215	+	9.848E-27	4.9756E-25	0.318926	hyper	sig	chr17_80478215
chr14	41608182	41608182	+	9.879E-27	4.9905E-25	0.484947	hyper	sig	chr14_41608182
chr5	1.81E+08	181100631	+	9.878E-27	4.9905E-25	0.286495	hyper	sig	chr5_181100631
chr6	99619293	99619293	+	9.886E-27	4.9939E-25	0.435784	hyper	sig	chr6_99619293
chr10	16520672	16520672	+	9.892E-27	4.9964E-25	0.344684	hyper	sig	chr10_16520672
chr8	55449318	55449318	+	9.904E-27	5.0021E-25	-0.46014	hypo	sig	chr8_55449318
chr17	42653832	42653832	+	9.912E-27	5.006E-25	0.300562	hyper	sig	chr17_42653832
chr8	1.44E+08	143961044	+	9.913E-27	5.006E-25	0.316048	hyper	sig	chr8_143961044
chr20	63177987	63177987	+	9.919E-27	5.0087E-25	0.295727	hyper	sig	chr20_63177987
chr16	1026235	1026235	+	9.924E-27	5.0108E-25	0.285565	hyper	sig	chr16_1026235
chr5	1.41E+08	141351793	+	9.924E-27	5.0108E-25	0.291851	hyper	sig	chr5_141351793
chr5	2755891	2755891	+	9.929E-27	5.013E-25	0.265512	hyper	sig	chr5_2755891
chr10	93074883	93074883	+	9.932E-27	5.0138E-25	0.237277	hyper	sig	chr10_93074883
chr11	3156425	3156425	+	9.932E-27	5.0138E-25	0.301851	hyper	sig	chr11_3156425
chr3	37992279	37992279	+	9.938E-27	5.0165E-25	-0.28443	hypo	sig	chr3_37992279
chr19	15457741	15457741	+	9.939E-27	5.0165E-25	0.28086	hyper	sig	chr19_15457741
chr7	1.4E+08	139829316	+	9.968E-27	5.031E-25	-0.31911	hypo	sig	chr7_139829316
chr1	1.61E+08	161079680	+	9.971E-27	5.0324E-25	0.395766	hyper	sig	chr1_161079680
chr7	73735330	73735330	+	9.987E-27	5.0399E-25	-0.40601	hypo	sig	chr7_73735330
chr11	32433294	32433294	+	9.999E-27	5.0459E-25	0.281347	hyper	sig	chr11_32433294
chr1	1.59E+08	159172011	+	1.002E-26	5.0557E-25	0.213102	hyper	sig	chr1_159172011
chr8	1.43E+08	142563715	+	1.002E-26	5.0581E-25	-0.33736	hypo	sig	chr8_142563715
chr19	16283827	16283827	+	1.003E-26	5.0605E-25	0.279149	hyper	sig	chr19_16283827
chr19	51949191	51949191	+	1.006E-26	5.0736E-25	0.323979	hyper	sig	chr19_51949191
chr18	10589025	10589025	+	1.006E-26	5.0749E-25	-0.31415	hypo	sig	chr18_10589025
chr13	1.08E+08	108496782	+	1.009E-26	5.0909E-25	0.286512	hyper	sig	chr13_108496782
chr19	57351689	57351689	+	1.01E-26	5.0941E-25	0.291187	hyper	sig	chr19_57351689
chr1	1.8E+08	179743133	+	1.013E-26	5.1109E-25	0.254622	hyper	sig	chr1_179743133
chr14	81668952	81668952	+	1.014E-26	5.1123E-25	-0.35207	hypo	sig	chr14_81668952
chr17	45262148	45262148	+	1.016E-26	5.1233E-25	0.229004	hyper	sig	chr17_45262148
chr13	1.02E+08	101919902	+	1.018E-26	5.1315E-25	0.363795	hyper	sig	chr13_101919902
chr3	1.23E+08	122911017	+	1.018E-26	5.1355E-25	-0.40261	hypo	sig	chr3_122911017
chr19	840985	840985	+	1.019E-26	5.1369E-25	-0.34585	hypo	sig	chr19_840985
chr15	26771644	26771644	+	1.022E-26	5.1529E-25	0.323035	hyper	sig	chr15_26771644
chr2	1.19E+08	118859242	+	1.022E-26	5.1545E-25	0.244995	hyper	sig	chr2_118859242
chr1	1.8E+08	179743985	+	1.023E-26	5.1565E-25	0.329377	hyper	sig	chr1_179743985
chr3	46700002	46700002	+	1.023E-26	5.1573E-25	-0.36557	hypo	sig	chr3_46700002
chr5	3602238	3602238	+	1.023E-26	5.1582E-25	0.403171	hyper	sig	chr5_3602238
chr1	1.54E+08	154408279	+	1.026E-26	5.17E-25	0.329049	hyper	sig	chr1_154408279
chr19	22422415	22422415	+	1.027E-26	5.1786E-25	0.28099	hyper	sig	chr19_22422415
chr6	28865706	28865706	+	1.03E-26	5.1916E-25	-0.37272	hypo	sig	chr6_28865706
chr5	37838258	37838258	+	1.031E-26	5.1963E-25	0.239302	hyper	sig	chr5_37838258
chr16	57802902	57802902	+	1.031E-26	5.1966E-25	0.41418	hyper	sig	chr16_57802902
chr7	1.51E+08	151051414	+	1.032E-26	5.1984E-25	0.255128	hyper	sig	chr7_151051414
chr8	1.43E+08	143212255	+	1.033E-26	5.2026E-25	-0.35285	hypo	sig	chr8_143212255
chr14	1.05E+08	104571006	+	1.036E-26	5.2181E-25	-0.33045	hypo	sig	chr14_104571006
chr7	85187022	85187022	+	1.038E-26	5.2278E-25	0.286572	hyper	sig	chr7_85187022

chr7	73704203	73704203	+	1.04E-26	5.2369E-25	0.335142	hyper	sig	chr7_73704203
chr7	4810619	4810619	+	1.04E-26	5.2393E-25	-0.35047	hypo	sig	chr7_4810619
chr1	1.08E+08	107964467	+	1.04E-26	5.2397E-25	0.27458	hyper	sig	chr1_107964467
chr2	44803194	44803194	+	1.041E-26	5.2421E-25	0.34297	hyper	sig	chr2_44803194
chr1	3293847	3293847	+	1.042E-26	5.2453E-25	-0.28307	hypo	sig	chr1_3293847
chr4	1.07E+08	107035798	+	1.046E-26	5.2668E-25	0.307336	hyper	sig	chr4_107035798
chr17	17793072	17793072	+	1.048E-26	5.2754E-25	0.283757	hyper	sig	chr17_17793072
chr7	5300673	5300673	+	1.048E-26	5.279E-25	-0.34231	hypo	sig	chr7_5300673
chr1	75131279	75131279	+	1.049E-26	5.2801E-25	0.300834	hyper	sig	chr1_75131279
chr6	50724440	50724440	+	1.049E-26	5.2827E-25	0.227438	hyper	sig	chr6_50724440
chr7	1872420	1872420	+	1.053E-26	5.3027E-25	0.39654	hyper	sig	chr7_1872420
chr11	64759699	64759699	+	1.054E-26	5.3077E-25	0.331769	hyper	sig	chr11_64759699
chr19	18429087	18429087	+	1.054E-26	5.3079E-25	0.351985	hyper	sig	chr19_18429087
chr2	2.41E+08	240728192	+	1.055E-26	5.3095E-25	-0.34454	hypo	sig	chr2_240728192
chr6	44235025	44235025	+	1.055E-26	5.3121E-25	0.366711	hyper	sig	chr6_44235025
chr19	2513438	2513438	+	1.057E-26	5.3191E-25	-0.29198	hypo	sig	chr19_2513438
chr10	27745318	27745318	+	1.058E-26	5.3239E-25	0.420668	hyper	sig	chr10_27745318
chr1	3437869	3437869	+	1.063E-26	5.347E-25	-0.30607	hypo	sig	chr1_3437869
chr7	2928371	2928371	+	1.063E-26	5.3474E-25	-0.30011	hypo	sig	chr7_2928371
chr7	74373044	74373044	+	1.063E-26	5.3474E-25	0.446185	hyper	sig	chr7_74373044
chr20	21713669	21713669	+	1.065E-26	5.3588E-25	0.356852	hyper	sig	chr20_21713669
chr2	45004740	45004740	+	1.065E-26	5.3596E-25	0.255872	hyper	sig	chr2_45004740
chr19	55087651	55087651	+	1.066E-26	5.3641E-25	0.322284	hyper	sig	chr19_55087651
chr11	32439123	32439123	+	1.067E-26	5.3649E-25	0.264647	hyper	sig	chr11_32439123
chr11	1.23E+08	122979790	+	1.068E-26	5.371E-25	0.287933	hyper	sig	chr11_122979790
chr2	1.92E+08	192194909	+	1.069E-26	5.3743E-25	0.293092	hyper	sig	chr2_192194909
chr11	3229535	3229535	+	1.07E-26	5.3819E-25	-0.23743	hypo	sig	chr11_3229535
chr10	93065893	93065893	+	1.073E-26	5.3947E-25	0.311296	hyper	sig	chr10_93065893
chr17	5097481	5097481	+	1.074E-26	5.4016E-25	0.313791	hyper	sig	chr17_5097481
chr16	85534805	85534805	+	1.074E-26	5.4024E-25	0.22318	hyper	sig	chr16_85534805
chr10	1.19E+08	118595143	+	1.075E-26	5.4048E-25	0.358535	hyper	sig	chr10_118595143
chr1	2.35E+08	234978556	+	1.077E-26	5.4159E-25	-0.33787	hypo	sig	chr1_234978556
chr10	1.02E+08	102410923	+	1.078E-26	5.418E-25	0.2255	hyper	sig	chr10_102410923
chr11	69298261	69298261	+	1.078E-26	5.4187E-25	-0.37998	hypo	sig	chr11_69298261
chr6	3045545	3045545	+	1.078E-26	5.4204E-25	-0.24032	hypo	sig	chr6_3045545
chr4	1.72E+08	171812584	+	1.081E-26	5.4324E-25	0.310868	hyper	sig	chr4_171812584
chr5	1.48E+08	147508882	+	1.081E-26	5.4324E-25	0.289462	hyper	sig	chr5_147508882
chr1	1007316	1007316	+	1.086E-26	5.4579E-25	-0.30267	hypo	sig	chr1_1007316
chr1	2.43E+08	242524120	+	1.087E-26	5.4647E-25	0.324342	hyper	sig	chr1_242524120
chr6	387104	387104	+	1.09E-26	5.4767E-25	-0.33125	hypo	sig	chr6_387104
chr13	83879565	83879565	+	1.09E-26	5.4784E-25	0.307545	hyper	sig	chr13_83879565
chr11	6252344	6252344	+	1.091E-26	5.4801E-25	0.310794	hyper	sig	chr11_6252344
chr2	1.6E+08	160408760	+	1.091E-26	5.4803E-25	0.259546	hyper	sig	chr2_160408760
chr13	1.1E+08	110306653	+	1.093E-26	5.4896E-25	0.38635	hyper	sig	chr13_110306653
chr16	68642611	68642611	+	1.095E-26	5.4993E-25	0.307517	hyper	sig	chr16_68642611
chr16	1456488	1456488	+	1.097E-26	5.5111E-25	-0.25358	hypo	sig	chr16_1456488
chr13	1.1E+08	110309477	+	1.097E-26	5.5125E-25	0.372345	hyper	sig	chr13_110309477
chr11	1.32E+08	131837788	+	1.098E-26	5.5133E-25	-0.29188	hypo	sig	chr11_131837788
chr12	1.13E+08	113479928	+	1.098E-26	5.5152E-25	0.32104	hyper	sig	chr12_113479928
chr1	1.19E+08	119000447	+	1.099E-26	5.5192E-25	0.322449	hyper	sig	chr1_119000447
chr8	84182672	84182672	+	1.099E-26	5.5206E-25	0.252757	hyper	sig	chr8_84182672
chr9	33524517	33524517	+	1.099E-26	5.5211E-25	0.212631	hyper	sig	chr9_33524517
chr1	46467108	46467108	+	1.103E-26	5.5387E-25	0.284894	hyper	sig	chr1_46467108
chr2	1.82E+08	181684388	+	1.104E-26	5.5444E-25	0.301968	hyper	sig	chr2_181684388
chr17	17810579	17810579	+	1.105E-26	5.5473E-25	0.347969	hyper	sig	chr17_17810579
chr6	2857690	2857690	+	1.105E-26	5.5477E-25	-0.42678	hypo	sig	chr6_2857690

chr18	37544883	37544883	+	1.111E-26	5.5758E-25	-0.30303	hypo	sig	chr18_37544883
chr9	1.34E+08	133918295	+	1.112E-26	5.5808E-25	0.347971	hyper	sig	chr9_133918295
chr10	27414618	27414618	+	1.117E-26	5.6046E-25	-0.2554	hypo	sig	chr10_27414618
chr1	2.44E+08	243917790	+	1.119E-26	5.6164E-25	0.262242	hyper	sig	chr1_243917790
chr2	55923241	55923241	+	1.121E-26	5.6253E-25	0.239446	hyper	sig	chr2_55923241
chr17	78853011	78853011	+	1.123E-26	5.6337E-25	-0.27723	hypo	sig	chr17_78853011
chr1	1.65E+08	165354455	+	1.125E-26	5.6436E-25	0.359846	hyper	sig	chr1_165354455
chr2	2.34E+08	233760284	+	1.125E-26	5.6459E-25	-0.2444	hypo	sig	chr2_233760284
chr13	22897675	22897675	+	1.125E-26	5.646E-25	-0.42298	hypo	sig	chr13_22897675
chr11	1.21E+08	120660109	+	1.128E-26	5.6594E-25	-0.31675	hypo	sig	chr11_120660109
chr10	23173346	23173346	+	1.128E-26	5.6615E-25	0.399003	hyper	sig	chr10_23173346
chr19	53308687	53308687	+	1.134E-26	5.6897E-25	0.281143	hyper	sig	chr19_53308687
chr14	1.05E+08	104681308	+	1.136E-26	5.6981E-25	-0.30098	hypo	sig	chr14_104681308
chr1	2274324	2274324	+	1.136E-26	5.699E-25	0.334193	hyper	sig	chr1_2274324
chr8	70071546	70071546	+	1.137E-26	5.7038E-25	0.38691	hyper	sig	chr8_70071546
chr5	1.81E+08	180606595	+	1.139E-26	5.711E-25	-0.33411	hypo	sig	chr5_180606595
chr21	30480214	30480214	+	1.14E-26	5.7174E-25	-0.35561	hypo	sig	chr21_30480214
chr10	49768555	49768555	+	1.14E-26	5.7176E-25	0.318369	hyper	sig	chr10_49768555
chr14	60510203	60510203	+	1.143E-26	5.7321E-25	0.372938	hyper	sig	chr14_60510203
chr9	1.3E+08	130194080	+	1.143E-26	5.7321E-25	0.405357	hyper	sig	chr9_130194080
chr5	33936368	33936368	+	1.15E-26	5.7655E-25	0.314594	hyper	sig	chr5_33936368
chr16	165516	165516	+	1.152E-26	5.7742E-25	0.292313	hyper	sig	chr16_165516
chr16	86507897	86507897	+	1.152E-26	5.7761E-25	0.375845	hyper	sig	chr16_86507897
chr13	27928042	27928042	+	1.152E-26	5.7763E-25	0.475559	hyper	sig	chr13_27928042
chr19	48480845	48480845	+	1.153E-26	5.7789E-25	0.393211	hyper	sig	chr19_48480845
chr20	21608530	21608530	+	1.153E-26	5.7807E-25	-0.50041	hypo	sig	chr20_21608530
chr20	38674362	38674362	+	1.155E-26	5.7884E-25	0.373643	hyper	sig	chr20_38674362
chr4	1.53E+08	152935351	+	1.155E-26	5.7884E-25	-0.2851	hypo	sig	chr4_152935351
chr6	84764754	84764754	+	1.156E-26	5.7911E-25	0.262529	hyper	sig	chr6_84764754
chr19	12195466	12195466	+	1.158E-26	5.8044E-25	0.283006	hyper	sig	chr19_12195466
chr1	2.29E+08	229407809	+	1.158E-26	5.8048E-25	0.294389	hyper	sig	chr1_229407809
chr11	1.34E+08	134384809	+	1.16E-26	5.8111E-25	-0.3638	hypo	sig	chr11_134384809
chr7	24283629	24283629	+	1.161E-26	5.8178E-25	0.333914	hyper	sig	chr7_24283629
chr10	55627991	55627991	+	1.161E-26	5.8184E-25	0.36516	hyper	sig	chr10_55627991
chr1	1.56E+08	156076618	+	1.163E-26	5.825E-25	0.363805	hyper	sig	chr1_156076618
chr1	2.44E+08	243917761	+	1.163E-26	5.825E-25	0.272332	hyper	sig	chr1_243917761
chr10	26215325	26215325	+	1.163E-26	5.8264E-25	0.360565	hyper	sig	chr10_26215325
chr12	2793471	2793471	+	1.164E-26	5.829E-25	-0.31325	hypo	sig	chr12_2793471
chr8	64585880	64585880	+	1.164E-26	5.829E-25	0.266024	hyper	sig	chr8_64585880
chr11	31826972	31826972	+	1.164E-26	5.8304E-25	0.335973	hyper	sig	chr11_31826972
chr19	36973645	36973645	+	1.167E-26	5.8441E-25	0.308638	hyper	sig	chr19_36973645
chr4	26804662	26804662	+	1.17E-26	5.8606E-25	0.289525	hyper	sig	chr4_26804662
chr15	93066307	93066307	+	1.171E-26	5.8609E-25	0.310656	hyper	sig	chr15_93066307
chr11	1.34E+08	134069762	+	1.172E-26	5.8678E-25	0.40012	hyper	sig	chr11_134069762
chr2	74415784	74415784	+	1.173E-26	5.873E-25	0.344665	hyper	sig	chr2_74415784
chr2	1.61E+08	161426957	+	1.175E-26	5.8801E-25	0.255571	hyper	sig	chr2_161426957
chr8	1.43E+08	142562746	+	1.175E-26	5.8812E-25	-0.27956	hypo	sig	chr8_142562746
chr5	1.69E+08	168529878	+	1.175E-26	5.8838E-25	0.317097	hyper	sig	chr5_168529878
chr14	95651078	95651078	+	1.177E-26	5.8907E-25	-0.32535	hypo	sig	chr14_95651078
chr2	1.82E+08	181678504	+	1.177E-26	5.8912E-25	0.306632	hyper	sig	chr2_181678504
chr1	2E+08	200035641	+	1.178E-26	5.8967E-25	0.284576	hyper	sig	chr1_200035641
chr7	561737	561737	+	1.179E-26	5.9011E-25	0.283524	hyper	sig	chr7_561737
chr7	1.58E+08	157675730	+	1.18E-26	5.9043E-25	-0.34408	hypo	sig	chr7_157675730
chr12	1.3E+08	129926706	+	1.18E-26	5.9064E-25	-0.3059	hypo	sig	chr12_129926706
chr19	17869373	17869373	+	1.183E-26	5.9202E-25	0.299616	hyper	sig	chr19_17869373
chr3	5095984	5095984	+	1.183E-26	5.9209E-25	0.318927	hyper	sig	chr3_5095984

chr17	81461092	81461092	+	1.184E-26	5.9244E-25	-0.3158	hypo	sig	chr17_81461092
chr3	1.57E+08	156812869	+	1.186E-26	5.934E-25	-0.2611	hypo	sig	chr3_156812869
chr20	21713986	21713986	+	1.187E-26	5.9373E-25	0.309641	hyper	sig	chr20_21713986
chr7	1.56E+08	155533174	+	1.189E-26	5.9457E-25	0.258314	hyper	sig	chr7_155533174
chr6	27213893	27213893	+	1.189E-26	5.9464E-25	0.293831	hyper	sig	chr6_27213893
chr2	38515720	38515720	+	1.191E-26	5.9544E-25	0.325769	hyper	sig	chr2_38515720
chr1	1.65E+08	165354468	+	1.191E-26	5.955E-25	0.358888	hyper	sig	chr1_165354468
chr2	23620939	23620939	+	1.193E-26	5.9644E-25	0.401416	hyper	sig	chr2_23620939
chr4	1E+08	100190764	+	1.194E-26	5.9706E-25	0.23563	hyper	sig	chr4_100190764
chr9	95447982	95447982	+	1.194E-26	5.9706E-25	0.351791	hyper	sig	chr9_95447982
chr9	97852642	97852642	+	1.195E-26	5.9746E-25	0.387347	hyper	sig	chr9_97852642
chr6	33085092	33085092	+	1.196E-26	5.9806E-25	-0.27723	hypo	sig	chr6_33085092
chr2	20670501	20670501	+	1.197E-26	5.9842E-25	0.309823	hyper	sig	chr2_20670501
chr5	1.14E+08	114055946	+	1.198E-26	5.99E-25	0.328597	hyper	sig	chr5_114055946
chr10	1.14E+08	114041310	+	1.2E-26	5.9961E-25	0.250611	hyper	sig	chr10_114041310
chr3	1.84E+08	184491624	+	1.201E-26	6.0019E-25	0.318257	hyper	sig	chr3_184491624
chr22	43437256	43437256	+	1.202E-26	6.0079E-25	-0.33755	hypo	sig	chr22_43437256
chr5	1748986	1748986	+	1.205E-26	6.0207E-25	-0.34817	hypo	sig	chr5_1748986
chr6	27553439	27553439	+	1.21E-26	6.0481E-25	0.338561	hyper	sig	chr6_27553439
chr4	304954	304954	+	1.211E-26	6.0532E-25	0.247568	hyper	sig	chr4_304954
chr11	45355397	45355397	+	1.213E-26	6.0592E-25	0.267194	hyper	sig	chr11_45355397
chr22	48672959	48672959	+	1.215E-26	6.0704E-25	-0.31999	hypo	sig	chr22_48672959
chr15	37098127	37098127	+	1.218E-26	6.0836E-25	0.357964	hyper	sig	chr15_37098127
chr8	10426317	10426317	+	1.218E-26	6.0836E-25	0.287979	hyper	sig	chr8_10426317
chr7	1.52E+08	151745392	+	1.218E-26	6.0852E-25	-0.26141	hypo	sig	chr7_151745392
chr19	36797658	36797658	+	1.218E-26	6.0859E-25	0.252774	hyper	sig	chr19_36797658
chr15	23180732	23180732	+	1.219E-26	6.0882E-25	-0.23978	hypo	sig	chr15_23180732
chr14	21094473	21094473	+	1.22E-26	6.0949E-25	0.328081	hyper	sig	chr14_21094473
chr7	74373026	74373026	+	1.222E-26	6.1015E-25	0.423188	hyper	sig	chr7_74373026
chr13	27793537	27793537	+	1.223E-26	6.1075E-25	0.39749	hyper	sig	chr13_27793537
chr2	2.42E+08	242031755	+	1.223E-26	6.1075E-25	-0.34324	hypo	sig	chr2_242031755
chr3	62370678	62370678	+	1.226E-26	6.122E-25	0.350764	hyper	sig	chr3_62370678
chr1	1.21E+08	121117237	+	1.227E-26	6.1242E-25	0.426559	hyper	sig	chr1_121117237
chr7	19773279	19773279	+	1.227E-26	6.1242E-25	0.373689	hyper	sig	chr7_19773279
chr5	1.56E+08	155729794	+	1.228E-26	6.1285E-25	0.299267	hyper	sig	chr5_155729794
chr7	54542668	54542668	+	1.229E-26	6.1327E-25	0.402495	hyper	sig	chr7_54542668
chr5	1.41E+08	141417761	+	1.231E-26	6.1464E-25	0.284764	hyper	sig	chr5_141417761
chr17	35498380	35498380	+	1.232E-26	6.15E-25	0.299416	hyper	sig	chr17_35498380
chr7	19106701	19106701	+	1.233E-26	6.1517E-25	0.286227	hyper	sig	chr7_19106701
chr16	86495089	86495089	+	1.233E-26	6.1547E-25	0.329442	hyper	sig	chr16_86495089
chr7	27249499	27249499	+	1.239E-26	6.1835E-25	0.335278	hyper	sig	chr7_27249499
chr12	4909347	4909347	+	1.24E-26	6.1852E-25	0.341284	hyper	sig	chr12_4909347
chr13	99439751	99439751	+	1.24E-26	6.1891E-25	-0.28668	hypo	sig	chr13_99439751
chr14	1.05E+08	105405619	+	1.24E-26	6.1891E-25	-0.28163	hypo	sig	chr14_105405619
chr11	71615389	71615389	+	1.241E-26	6.1925E-25	-0.31831	hypo	sig	chr11_71615389
chr13	1.13E+08	113495692	+	1.242E-26	6.1935E-25	0.32747	hyper	sig	chr13_113495692
chr11	20598741	20598741	+	1.243E-26	6.2029E-25	0.388474	hyper	sig	chr11_20598741
chr17	77286020	77286020	+	1.248E-26	6.2247E-25	-0.33384	hypo	sig	chr17_77286020
chr13	52195821	52195821	+	1.248E-26	6.2268E-25	0.290915	hyper	sig	chr13_52195821
chr10	1.01E+08	101226147	+	1.25E-26	6.2334E-25	0.359865	hyper	sig	chr10_101226147
chr4	2430558	2430558	+	1.25E-26	6.2353E-25	-0.38421	hypo	sig	chr4_2430558
chr12	1.32E+08	132423821	+	1.252E-26	6.2424E-25	-0.30991	hypo	sig	chr12_132423821
chr1	2.08E+08	207645591	+	1.252E-26	6.243E-25	0.334079	hyper	sig	chr1_207645591
chr8	1.41E+08	141141078	+	1.253E-26	6.245E-25	0.345838	hyper	sig	chr8_141141078
chr1	3651109	3651109	+	1.257E-26	6.2652E-25	0.32783	hyper	sig	chr1_3651109
chr7	28408466	28408466	+	1.258E-26	6.2699E-25	0.338752	hyper	sig	chr7_28408466

chr11	20208488	20208488	+	1.259E-26	6.274E-25	0.32454	hyper	sig	chr11_20208488
chr11	1.25E+08	124739432	+	1.26E-26	6.2825E-25	0.296905	hyper	sig	chr11_124739432
chr7	5304150	5304150	+	1.26E-26	6.2825E-25	-0.33905	hypo	sig	chr7_5304150
chr11	20160713	20160713	+	1.262E-26	6.2887E-25	0.375722	hyper	sig	chr11_20160713
chr15	55588825	55588825	+	1.264E-26	6.3006E-25	0.261858	hyper	sig	chr15_55588825
chr5	1.76E+08	175773465	+	1.266E-26	6.3083E-25	0.21744	hyper	sig	chr5_175773465
chr10	7412664	7412664	+	1.269E-26	6.3228E-25	0.322157	hyper	sig	chr10_7412664
chr6	1.7E+08	169801553	+	1.27E-26	6.329E-25	-0.3506	hypo	sig	chr6_169801553
chr4	41751250	41751250	+	1.271E-26	6.3329E-25	0.298298	hyper	sig	chr4_41751250
chr4	1.74E+08	173531344	+	1.275E-26	6.351E-25	0.298422	hyper	sig	chr4_173531344
chr2	1.29E+08	128537324	+	1.275E-26	6.3534E-25	-0.45573	hypo	sig	chr2_128537324
chr6	36285265	36285265	+	1.279E-26	6.3691E-25	0.32112	hyper	sig	chr6_36285265
chr4	1.6E+08	160481844	+	1.279E-26	6.3732E-25	-0.38156	hypo	sig	chr4_160481844
chr11	61334558	61334558	+	1.282E-26	6.3874E-25	-0.2921	hypo	sig	chr11_61334558
chr3	22990159	22990159	+	1.284E-26	6.3927E-25	-0.33945	hypo	sig	chr3_22990159
chr4	4869741	4869741	+	1.285E-26	6.4004E-25	0.28854	hyper	sig	chr4_4869741
chr14	47675049	47675049	+	1.286E-26	6.4029E-25	0.416905	hyper	sig	chr14_47675049
chr1	2.45E+08	245301514	+	1.286E-26	6.4053E-25	0.353044	hyper	sig	chr1_245301514
chr6	29792313	29792313	+	1.286E-26	6.4053E-25	0.33469	hyper	sig	chr6_29792313
chr7	32260090	32260090	+	1.288E-26	6.4107E-25	-0.2959	hypo	sig	chr7_32260090
chr13	24149126	24149126	+	1.289E-26	6.4157E-25	-0.39567	hypo	sig	chr13_24149126
chr7	5350840	5350840	+	1.29E-26	6.4204E-25	0.261891	hyper	sig	chr7_5350840
chr7	1.08E+08	108003789	+	1.29E-26	6.4242E-25	-0.40064	hypo	sig	chr7_108003789
chr9	1.3E+08	129685812	+	1.296E-26	6.4498E-25	-0.33055	hypo	sig	chr9_129685812
chr4	3385536	3385536	+	1.298E-26	6.4603E-25	-0.3704	hypo	sig	chr4_3385536
chr15	85413777	85413777	+	1.301E-26	6.4748E-25	-0.45735	hypo	sig	chr15_85413777
chr6	33073137	33073137	+	1.301E-26	6.4748E-25	-0.36612	hypo	sig	chr6_33073137
chr3	1.39E+08	138939804	+	1.307E-26	6.5043E-25	0.301052	hyper	sig	chr3_138939804
chr7	72334997	72334997	+	1.307E-26	6.5065E-25	-0.3169	hypo	sig	chr7_72334997
chr1	2E+08	200035677	+	1.308E-26	6.5065E-25	0.324924	hyper	sig	chr1_200035677
chr13	1.12E+08	111622496	+	1.308E-26	6.5065E-25	-0.29599	hypo	sig	chr13_111622496
chr13	53200981	53200981	+	1.31E-26	6.5187E-25	0.329836	hyper	sig	chr13_53200981
chr1	92480545	92480545	+	1.311E-26	6.5233E-25	0.449311	hyper	sig	chr1_92480545
chr5	1.41E+08	141430583	+	1.314E-26	6.5351E-25	0.333048	hyper	sig	chr5_141430583
chr13	98571125	98571125	+	1.314E-26	6.5379E-25	-0.32665	hypo	sig	chr13_98571125
chr5	2683890	2683890	+	1.315E-26	6.539E-25	-0.32288	hypo	sig	chr5_2683890
chr6	29554026	29554026	+	1.316E-26	6.5454E-25	0.348355	hyper	sig	chr6_29554026
chr20	64064178	64064178	+	1.318E-26	6.5541E-25	0.35215	hyper	sig	chr20_64064178
chr5	1.59E+08	159096934	+	1.321E-26	6.5706E-25	0.452223	hyper	sig	chr5_159096934
chr16	54290363	54290363	+	1.322E-26	6.5746E-25	0.287715	hyper	sig	chr16_54290363
chr20	21706806	21706806	+	1.323E-26	6.5771E-25	0.361661	hyper	sig	chr20_21706806
chr14	47676432	47676432	+	1.325E-26	6.5861E-25	0.343837	hyper	sig	chr14_47676432
chr7	27103640	27103640	+	1.326E-26	6.5935E-25	0.348587	hyper	sig	chr7_27103640
chr1	1.21E+08	121117250	+	1.326E-26	6.5944E-25	0.410236	hyper	sig	chr1_121117250
chr8	71558918	71558918	+	1.328E-26	6.6009E-25	0.338063	hyper	sig	chr8_71558918
chr15	40322915	40322915	+	1.331E-26	6.617E-25	0.289201	hyper	sig	chr15_40322915
chr4	95549842	95549842	+	1.331E-26	6.6183E-25	0.247538	hyper	sig	chr4_95549842
chr16	66579193	66579193	+	1.334E-26	6.6294E-25	0.275527	hyper	sig	chr16_66579193
chr7	1912943	1912943	+	1.337E-26	6.6453E-25	0.404883	hyper	sig	chr7_1912943
chr8	1.4E+08	139622152	+	1.338E-26	6.65E-25	-0.37778	hypo	sig	chr8_139622152
chr1	1.65E+08	164576946	+	1.338E-26	6.65E-25	0.425429	hyper	sig	chr1_164576946
chr19	8210205	8210205	+	1.338E-26	6.65E-25	0.414261	hyper	sig	chr19_8210205
chr7	27118209	27118209	+	1.339E-26	6.6551E-25	0.37086	hyper	sig	chr7_27118209
chr6	1.69E+08	168889250	+	1.34E-26	6.6575E-25	0.228903	hyper	sig	chr6_168889250
chr8	1958330	1958330	+	1.34E-26	6.6575E-25	0.277989	hyper	sig	chr8_1958330
chr16	1003741	1003741	+	1.343E-26	6.6719E-25	-0.36238	hypo	sig	chr16_1003741

chr2	424402	424402	+	1.343E-26	6.6719E-25	-0.35823	hypo	sig	chr2_424402
chr9	1.24E+08	124012959	+	1.345E-26	6.679E-25	0.273136	hyper	sig	chr9_124012959
chr19	1467081	1467081	+	1.345E-26	6.6792E-25	0.369394	hyper	sig	chr19_1467081
chr13	1.13E+08	112985391	+	1.345E-26	6.6802E-25	-0.36975	hypo	sig	chr13_112985391
chr19	36797662	36797662	+	1.345E-26	6.6802E-25	0.257965	hyper	sig	chr19_36797662
chr2	2.33E+08	233060079	+	1.345E-26	6.6805E-25	-0.2862	hypo	sig	chr2_233060079
chr17	48550862	48550862	+	1.349E-26	6.6975E-25	0.368892	hyper	sig	chr17_48550862
chr6	28865703	28865703	+	1.349E-26	6.6999E-25	-0.36816	hypo	sig	chr6_28865703
chr20	44355893	44355893	+	1.35E-26	6.7048E-25	-0.36398	hypo	sig	chr20_44355893
chr7	90119391	90119391	+	1.35E-26	6.705E-25	0.235281	hyper	sig	chr7_90119391
chr1	18795321	18795321	+	1.354E-26	6.7206E-25	-0.29051	hypo	sig	chr1_18795321
chr5	2753738	2753738	+	1.354E-26	6.7206E-25	0.348386	hyper	sig	chr5_2753738
chr17	79981693	79981693	+	1.354E-26	6.7224E-25	0.284202	hyper	sig	chr17_79981693
chr11	22433052	22433052	+	1.354E-26	6.7231E-25	0.311603	hyper	sig	chr11_22433052
chr12	4809981	4809981	+	1.357E-26	6.7344E-25	0.395508	hyper	sig	chr12_4809981
chr9	34809689	34809689	+	1.357E-26	6.736E-25	0.328756	hyper	sig	chr9_34809689
chr15	82952218	82952218	+	1.357E-26	6.7368E-25	0.246014	hyper	sig	chr15_82952218
chr4	4226517	4226517	+	1.359E-26	6.7458E-25	0.282382	hyper	sig	chr4_4226517
chr8	4994951	4994951	+	1.36E-26	6.7487E-25	0.303327	hyper	sig	chr8_4994951
chr17	42563204	42563204	+	1.362E-26	6.7569E-25	-0.3128	hypo	sig	chr17_42563204
chr6	30156091	30156091	+	1.363E-26	6.7621E-25	-0.33652	hypo	sig	chr6_30156091
chr8	26049779	26049779	+	1.363E-26	6.7629E-25	0.274689	hyper	sig	chr8_26049779
chr11	32427727	32427727	+	1.365E-26	6.7719E-25	0.330842	hyper	sig	chr11_32427727
chr3	1.47E+08	147407484	+	1.367E-26	6.7802E-25	0.333776	hyper	sig	chr3_147407484
chr10	1.01E+08	101228509	+	1.368E-26	6.7856E-25	0.288834	hyper	sig	chr10_101228509
chr1	2299517	2299517	+	1.372E-26	6.8059E-25	0.342633	hyper	sig	chr1_2299517
chr3	1.47E+08	147408168	+	1.373E-26	6.8077E-25	0.32665	hyper	sig	chr3_147408168
chr8	23710164	23710164	+	1.377E-26	6.8302E-25	0.264678	hyper	sig	chr8_23710164
chr1	1.48E+08	148310406	+	1.38E-26	6.8428E-25	0.292331	hyper	sig	chr1_148310406
chr4	1.22E+08	121765409	+	1.381E-26	6.85E-25	0.238686	hyper	sig	chr4_121765409
chr2	1.11E+08	111366520	+	1.382E-26	6.8531E-25	0.409459	hyper	sig	chr2_111366520
chr11	19697906	19697906	+	1.382E-26	6.8546E-25	0.31298	hyper	sig	chr11_19697906
chr12	1.14E+08	114440146	+	1.383E-26	6.8563E-25	0.325215	hyper	sig	chr12_114440146
chr3	1.38E+08	138010024	+	1.383E-26	6.8586E-25	-0.26531	hypo	sig	chr3_138010024
chr4	1305403	1305403	+	1.384E-26	6.8591E-25	-0.30778	hypo	sig	chr4_1305403
chr14	99245999	99245999	+	1.385E-26	6.8657E-25	0.35799	hyper	sig	chr14_99245999
chr6	32058100	32058100	+	1.385E-26	6.8659E-25	-0.3166	hypo	sig	chr6_32058100
chr11	31804943	31804943	+	1.386E-26	6.8678E-25	0.427134	hyper	sig	chr11_31804943
chr1	1.65E+08	164576535	+	1.386E-26	6.8717E-25	0.364011	hyper	sig	chr1_164576535
chr2	1.61E+08	161426678	+	1.389E-26	6.8822E-25	0.307064	hyper	sig	chr2_161426678
chr19	50358721	50358721	+	1.389E-26	6.8842E-25	0.305537	hyper	sig	chr19_50358721
chr19	19860911	19860911	+	1.391E-26	6.8925E-25	0.367776	hyper	sig	chr19_19860911
chr19	22286818	22286818	+	1.392E-26	6.899E-25	0.374835	hyper	sig	chr19_22286818
chr10	369419	369419	+	1.399E-26	6.9339E-25	0.230797	hyper	sig	chr10_369419
chr8	1.42E+08	142464468	+	1.4E-26	6.9349E-25	0.352181	hyper	sig	chr8_142464468
chr7	772095	772095	+	1.405E-26	6.9588E-25	0.204372	hyper	sig	chr7_772095
chr1	2.02E+08	202010810	+	1.406E-26	6.9628E-25	-0.2965	hypo	sig	chr1_202010810
chr5	1.35E+08	135039065	+	1.407E-26	6.9694E-25	0.403531	hyper	sig	chr5_135039065
chr1	1.19E+08	118986769	+	1.407E-26	6.9702E-25	0.33556	hyper	sig	chr1_118986769
chr1	10672846	10672846	+	1.41E-26	6.9831E-25	0.303169	hyper	sig	chr1_10672846
chr13	27927330	27927330	+	1.413E-26	6.9985E-25	0.382581	hyper	sig	chr13_27927330
chr4	1533965	1533965	+	1.422E-26	7.0429E-25	0.327043	hyper	sig	chr4_1533965
chr2	2.13E+08	212536742	+	1.423E-26	7.0443E-25	0.42126	hyper	sig	chr2_212536742
chr5	1.76E+08	176366479	+	1.425E-26	7.0559E-25	0.288917	hyper	sig	chr5_176366479
chr16	51151518	51151518	+	1.425E-26	7.057E-25	0.259814	hyper	sig	chr16_51151518
chr1	50430519	50430519	+	1.427E-26	7.0635E-25	0.258798	hyper	sig	chr1_50430519

chr17	77320377	77320377	+	1.43E-26	7.078E-25	0.359464	hyper	sig	chr17_77320377
chr14	20435498	20435498	+	1.431E-26	7.0819E-25	0.422542	hyper	sig	chr14_20435498
chr3	1.47E+08	147409889	+	1.432E-26	7.0885E-25	0.323867	hyper	sig	chr3_147409889
chr10	1E+08	100349217	+	1.433E-26	7.0906E-25	-0.32992	hypo	sig	chr10_100349217
chr17	81330667	81330667	+	1.435E-26	7.1022E-25	-0.30705	hypo	sig	chr17_81330667
chr5	1.36E+08	136200980	+	1.437E-26	7.111E-25	-0.36117	hypo	sig	chr5_136200980
chr6	1.17E+08	117481518	+	1.44E-26	7.1248E-25	-0.2762	hypo	sig	chr6_117481518
chr20	5302452	5302452	+	1.44E-26	7.125E-25	-0.27508	hypo	sig	chr20_5302452
chr7	37449064	37449064	+	1.448E-26	7.1665E-25	0.275772	hyper	sig	chr7_37449064
chr6	31766355	31766355	+	1.449E-26	7.1692E-25	0.347251	hyper	sig	chr6_31766355
chr16	85845399	85845399	+	1.451E-26	7.1786E-25	0.361785	hyper	sig	chr16_85845399
chr9	1.09E+08	109316300	+	1.453E-26	7.1864E-25	-0.29775	hypo	sig	chr9_109316300
chr11	69819661	69819661	+	1.454E-26	7.1948E-25	0.351268	hyper	sig	chr11_69819661
chr14	91352305	91352305	+	1.455E-26	7.1949E-25	0.332973	hyper	sig	chr14_91352305
chr19	58118621	58118621	+	1.455E-26	7.1949E-25	0.37253	hyper	sig	chr19_58118621
chr13	78594428	78594428	+	1.455E-26	7.1985E-25	0.328654	hyper	sig	chr13_78594428
chr3	13895053	13895053	+	1.457E-26	7.2047E-25	0.355169	hyper	sig	chr3_13895053
chr8	1.43E+08	142538233	+	1.46E-26	7.2192E-25	-0.36335	hypo	sig	chr8_142538233
chr16	29289427	29289427	+	1.461E-26	7.2231E-25	-0.32594	hypo	sig	chr16_29289427
chr11	61334590	61334590	+	1.461E-26	7.2249E-25	-0.25277	hypo	sig	chr11_61334590
chr18	59696459	59696459	+	1.461E-26	7.2252E-25	0.259392	hyper	sig	chr18_59696459
chr4	1.85E+08	185019420	+	1.461E-26	7.2252E-25	0.307107	hyper	sig	chr4_185019420
chr7	1224441	1224441	+	1.462E-26	7.226E-25	0.407276	hyper	sig	chr7_1224441
chr14	1.01E+08	101456881	+	1.463E-26	7.2327E-25	0.288294	hyper	sig	chr14_101456881
chr7	1.04E+08	103989171	+	1.463E-26	7.233E-25	0.259698	hyper	sig	chr7_103989171
chr12	84912728	84912728	+	1.467E-26	7.2502E-25	0.366414	hyper	sig	chr12_84912728
chr19	48415002	48415002	+	1.468E-26	7.256E-25	0.456445	hyper	sig	chr19_48415002
chr8	61287873	61287873	+	1.468E-26	7.2577E-25	0.338704	hyper	sig	chr8_61287873
chr7	28408439	28408439	+	1.473E-26	7.2772E-25	0.392841	hyper	sig	chr7_28408439
chr1	53526919	53526919	+	1.474E-26	7.283E-25	0.369933	hyper	sig	chr1_53526919
chr1	75130257	75130257	+	1.478E-26	7.3043E-25	0.320914	hyper	sig	chr1_75130257
chr2	44955016	44955016	+	1.481E-26	7.3203E-25	0.251236	hyper	sig	chr2_44955016
chr3	1.65E+08	165195814	+	1.482E-26	7.3225E-25	0.320187	hyper	sig	chr3_165195814
chr11	69819649	69819649	+	1.483E-26	7.3274E-25	0.342485	hyper	sig	chr11_69819649
chr2	29116210	29116210	+	1.484E-26	7.3317E-25	0.302934	hyper	sig	chr2_29116210
chr7	1.57E+08	157022351	+	1.485E-26	7.338E-25	0.32272	hyper	sig	chr7_157022351
chr7	56116175	56116175	+	1.486E-26	7.3413E-25	0.277308	hyper	sig	chr7_56116175
chr14	1.04E+08	104158943	+	1.487E-26	7.3468E-25	-0.33825	hypo	sig	chr14_104158943
chr12	43552122	43552122	+	1.488E-26	7.348E-25	0.37488	hyper	sig	chr12_43552122
chr8	37899883	37899883	+	1.488E-26	7.351E-25	-0.24655	hypo	sig	chr8_37899883
chr15	74789203	74789203	+	1.49E-26	7.3559E-25	-0.34784	hypo	sig	chr15_74789203
chr13	1.12E+08	111893760	+	1.492E-26	7.366E-25	0.366862	hyper	sig	chr13_111893760
chr2	2.32E+08	232486293	+	1.492E-26	7.3663E-25	0.28664	hyper	sig	chr2_232486293
chr3	38634385	38634385	+	1.492E-26	7.3663E-25	-0.324	hypo	sig	chr3_38634385
chr22	20429600	20429600	+	1.493E-26	7.3691E-25	-0.33917	hypo	sig	chr22_20429600
chr8	1.43E+08	143467427	+	1.494E-26	7.3735E-25	0.279596	hyper	sig	chr8_143467427
chr17	7478418	7478418	+	1.495E-26	7.3791E-25	0.311082	hyper	sig	chr17_7478418
chr11	1.25E+08	125423260	+	1.499E-26	7.401E-25	-0.34317	hypo	sig	chr11_125423260
chr8	52100013	52100013	+	1.503E-26	7.4182E-25	0.302027	hyper	sig	chr8_52100013
chr11	1.35E+08	134781925	+	1.503E-26	7.4196E-25	-0.37824	hypo	sig	chr11_134781925
chr9	35676351	35676351	+	1.504E-26	7.4223E-25	0.372339	hyper	sig	chr9_35676351
chr10	23694964	23694964	+	1.505E-26	7.4271E-25	0.321645	hyper	sig	chr10_23694964
chr5	31855146	31855146	+	1.507E-26	7.4365E-25	0.271226	hyper	sig	chr5_31855146
chr2	1.06E+08	106343476	+	1.507E-26	7.4373E-25	-0.44816	hypo	sig	chr2_106343476
chr1	16018041	16018041	+	1.511E-26	7.4578E-25	0.442831	hyper	sig	chr1_16018041
chr8	1.41E+08	141207279	+	1.512E-26	7.461E-25	-0.3588	hypo	sig	chr8_141207279

chr20	18813602	18813602	+	1.513E-26	7.4638E-25	-0.37967	hypo	sig	chr20_18813602
chr2	72136652	72136652	+	1.514E-26	7.4679E-25	-0.38624	hypo	sig	chr2_72136652
chr7	1.59E+08	159007057	+	1.514E-26	7.4704E-25	-0.31792	hypo	sig	chr7_159007057
chr12	1.32E+08	132329074	+	1.516E-26	7.4769E-25	0.343478	hyper	sig	chr12_132329074
chr13	57629464	57629464	+	1.516E-26	7.4769E-25	0.328517	hyper	sig	chr13_57629464
chr3	1.33E+08	133410702	+	1.516E-26	7.4769E-25	-0.26229	hypo	sig	chr3_133410702
chr2	1.19E+08	118843372	+	1.519E-26	7.4917E-25	0.528774	hyper	sig	chr2_118843372
chr8	1.33E+08	133191201	+	1.52E-26	7.4958E-25	0.314544	hyper	sig	chr8_133191201
chr22	20085995	20085995	+	1.522E-26	7.5035E-25	0.3107	hyper	sig	chr22_20085995
chr14	24311270	24311270	+	1.522E-26	7.5047E-25	0.252677	hyper	sig	chr14_24311270
chr2	94735648	94735648	+	1.523E-26	7.5088E-25	0.313518	hyper	sig	chr2_94735648
chr6	30171880	30171880	+	1.523E-26	7.5088E-25	0.299088	hyper	sig	chr6_30171880
chr4	1.53E+08	153249425	+	1.527E-26	7.5262E-25	0.239351	hyper	sig	chr4_153249425
chr19	16081943	16081943	+	1.528E-26	7.5316E-25	0.373192	hyper	sig	chr19_16081943
chr2	2.22E+08	222304144	+	1.531E-26	7.5448E-25	0.301163	hyper	sig	chr2_222304144
chr12	70920538	70920538	+	1.536E-26	7.5713E-25	0.345082	hyper	sig	chr12_70920538
chr5	1.41E+08	141124215	+	1.538E-26	7.5782E-25	0.296109	hyper	sig	chr5_141124215
chr14	77140850	77140850	+	1.542E-26	7.5983E-25	0.352231	hyper	sig	chr14_77140850
chr12	8034625	8034625	+	1.543E-26	7.6054E-25	0.309432	hyper	sig	chr12_8034625
chr7	1.17E+08	116511956	+	1.546E-26	7.617E-25	-0.30686	hypo	sig	chr7_116511956
chr2	2.08E+08	208124570	+	1.546E-26	7.6199E-25	0.350266	hyper	sig	chr2_208124570
chr16	1183872	1183872	+	1.551E-26	7.6427E-25	-0.3354	hypo	sig	chr16_1183872
chr2	96859043	96859043	+	1.553E-26	7.6504E-25	0.338985	hyper	sig	chr2_96859043
chr3	1.38E+08	137770925	+	1.554E-26	7.6545E-25	0.289632	hyper	sig	chr3_137770925
chr6	30685955	30685955	+	1.555E-26	7.6601E-25	0.286832	hyper	sig	chr6_30685955
chr9	1.37E+08	137030925	+	1.555E-26	7.6601E-25	-0.33394	hypo	sig	chr9_137030925
chr1	2.26E+08	225889928	+	1.557E-26	7.669E-25	-0.31686	hypo	sig	chr1_225889928
chr2	2.39E+08	238586584	+	1.557E-26	7.669E-25	0.256742	hyper	sig	chr2_238586584
chr20	4815169	4815169	+	1.558E-26	7.6733E-25	-0.37301	hypo	sig	chr20_4815169
chr8	66961241	66961241	+	1.559E-26	7.6755E-25	0.309602	hyper	sig	chr8_66961241
chr7	533509	533509	+	1.559E-26	7.6791E-25	-0.32237	hypo	sig	chr7_533509
chr8	48735122	48735122	+	1.56E-26	7.6794E-25	0.305227	hyper	sig	chr8_48735122
chr13	20175238	20175238	+	1.56E-26	7.6801E-25	-0.26214	hypo	sig	chr13_20175238
chr7	229675	229675	+	1.568E-26	7.7222E-25	0.293078	hyper	sig	chr7_229675
chr5	1.35E+08	135039053	+	1.569E-26	7.7239E-25	0.403614	hyper	sig	chr5_135039053
chr6	30915991	30915991	+	1.572E-26	7.7379E-25	0.320083	hyper	sig	chr6_30915991
chr13	19347098	19347098	+	1.576E-26	7.7592E-25	-0.35869	hypo	sig	chr13_19347098
chr6	1.37E+08	136920954	+	1.576E-26	7.7592E-25	0.213994	hyper	sig	chr6_136920954
chr13	99972039	99972039	+	1.577E-26	7.7619E-25	0.375308	hyper	sig	chr13_99972039
chr14	90551547	90551547	+	1.58E-26	7.7754E-25	0.302136	hyper	sig	chr14_90551547
chr4	48484299	48484299	+	1.585E-26	7.7983E-25	0.294519	hyper	sig	chr4_48484299
chr8	48553710	48553710	+	1.587E-26	7.81E-25	-0.36569	hypo	sig	chr8_48553710
chr7	37448961	37448961	+	1.587E-26	7.8116E-25	0.26672	hyper	sig	chr7_37448961
chr7	97018600	97018600	+	1.595E-26	7.8474E-25	0.396579	hyper	sig	chr7_97018600
chr16	75253116	75253116	+	1.6E-26	7.8699E-25	0.328743	hyper	sig	chr16_75253116
chr1	1165068	1165068	+	1.603E-26	7.8866E-25	-0.30945	hypo	sig	chr1_1165068
chr11	17720938	17720938	+	1.606E-26	7.8986E-25	0.396743	hyper	sig	chr11_17720938
chr11	20160687	20160687	+	1.606E-26	7.9023E-25	0.377745	hyper	sig	chr11_20160687
chr19	58350136	58350136	+	1.606E-26	7.9023E-25	0.339901	hyper	sig	chr19_58350136
chr8	1.33E+08	133237773	+	1.607E-26	7.9035E-25	0.311259	hyper	sig	chr8_133237773
chr10	71963496	71963496	+	1.607E-26	7.9055E-25	0.325553	hyper	sig	chr10_71963496
chr5	37839700	37839700	+	1.61E-26	7.9177E-25	0.296544	hyper	sig	chr5_37839700
chr13	22736086	22736086	+	1.61E-26	7.9178E-25	-0.31679	hypo	sig	chr13_22736086
chr19	58350169	58350169	+	1.611E-26	7.9217E-25	0.349725	hyper	sig	chr19_58350169
chr19	36797649	36797649	+	1.612E-26	7.9272E-25	0.253854	hyper	sig	chr19_36797649
chr7	1.57E+08	157020221	+	1.613E-26	7.9289E-25	0.35323	hyper	sig	chr7_157020221

chr9	37026709	37026709	+	1.614E-26	7.9345E-25	0.315777	hyper	sig	chr9_37026709
chr8	64578643	64578643	+	1.614E-26	7.9362E-25	0.276692	hyper	sig	chr8_64578643
chr1	2.01E+08	201469572	+	1.617E-26	7.9475E-25	0.231363	hyper	sig	chr1_201469572
chr6	28635419	28635419	+	1.644E-26	8.0836E-25	0.231555	hyper	sig	chr6_28635419
chr2	2.38E+08	238260938	+	1.647E-26	8.0951E-25	0.247936	hyper	sig	chr2_238260938
chr11	32433429	32433429	+	1.65E-26	8.1108E-25	0.326297	hyper	sig	chr11_32433429
chr10	7408537	7408537	+	1.656E-26	8.1385E-25	0.331764	hyper	sig	chr10_7408537
chr13	40188123	40188123	+	1.656E-26	8.1388E-25	-0.32339	hypo	sig	chr13_40188123
chr17	45429843	45429843	+	1.659E-26	8.1548E-25	0.396318	hyper	sig	chr17_45429843
chr2	65292676	65292676	+	1.66E-26	8.1569E-25	0.344143	hyper	sig	chr2_65292676
chr5	7396894	7396894	+	1.661E-26	8.1602E-25	0.225814	hyper	sig	chr5_7396894
chr6	30172359	30172359	+	1.661E-26	8.1629E-25	0.340342	hyper	sig	chr6_30172359
chr10	49397661	49397661	+	1.664E-26	8.1736E-25	0.334695	hyper	sig	chr10_49397661
chr4	1.56E+08	155760252	+	1.668E-26	8.1932E-25	0.204236	hyper	sig	chr4_155760252
chr10	31774525	31774525	+	1.668E-26	8.1943E-25	0.328887	hyper	sig	chr10_31774525
chr11	1.17E+08	117199772	+	1.668E-26	8.1943E-25	0.294765	hyper	sig	chr11_117199772
chr5	37835682	37835682	+	1.669E-26	8.1958E-25	0.280424	hyper	sig	chr5_37835682
chr3	1.47E+08	147395943	+	1.669E-26	8.1984E-25	0.296065	hyper	sig	chr3_147395943
chr4	1.74E+08	173519530	+	1.669E-26	8.1984E-25	0.360548	hyper	sig	chr4_173519530
chr10	79240084	79240084	+	1.672E-26	8.2115E-25	0.343604	hyper	sig	chr10_79240084
chr19	53520618	53520618	+	1.676E-26	8.2286E-25	0.257082	hyper	sig	chr19_53520618
chr11	32433347	32433347	+	1.676E-26	8.2319E-25	0.307137	hyper	sig	chr11_32433347
chr1	26863192	26863192	+	1.677E-26	8.2342E-25	-0.31831	hypo	sig	chr1_26863192
chr12	72273939	72273939	+	1.677E-26	8.2353E-25	0.285129	hyper	sig	chr12_72273939
chr10	23693632	23693632	+	1.68E-26	8.2479E-25	0.258624	hyper	sig	chr10_23693632
chr5	1.71E+08	171313843	+	1.682E-26	8.2576E-25	0.267553	hyper	sig	chr5_171313843
chr10	1.32E+08	132132387	+	1.683E-26	8.2612E-25	-0.47789	hypo	sig	chr10_132132387
chr14	36517187	36517187	+	1.692E-26	8.305E-25	0.34293	hyper	sig	chr14_36517187
chr13	1.08E+08	107868635	+	1.692E-26	8.3062E-25	0.369178	hyper	sig	chr13_107868635
chr6	1E+08	100464137	+	1.693E-26	8.3078E-25	0.251713	hyper	sig	chr6_100464137
chr10	23200351	23200351	+	1.697E-26	8.3263E-25	0.384019	hyper	sig	chr10_23200351
chr16	1049150	1049150	+	1.697E-26	8.3263E-25	-0.43205	hypo	sig	chr16_1049150
chr1	57422956	57422956	+	1.697E-26	8.3283E-25	0.28085	hyper	sig	chr1_57422956
chr14	26598459	26598459	+	1.699E-26	8.3373E-25	0.344743	hyper	sig	chr14_26598459
chr1	85582228	85582228	+	1.704E-26	8.3606E-25	0.316465	hyper	sig	chr1_85582228
chr1	39671501	39671501	+	1.707E-26	8.3726E-25	0.324403	hyper	sig	chr1_39671501
chr19	37817745	37817745	+	1.707E-26	8.3727E-25	0.377456	hyper	sig	chr19_37817745
chr1	3651352	3651352	+	1.708E-26	8.3803E-25	0.306656	hyper	sig	chr1_3651352
chr5	71939113	71939113	+	1.708E-26	8.3803E-25	-0.29843	hypo	sig	chr5_71939113
chr13	1.02E+08	101916557	+	1.709E-26	8.3812E-25	0.3771	hyper	sig	chr13_101916557
chr6	1.61E+08	160679624	+	1.71E-26	8.3881E-25	0.329607	hyper	sig	chr6_160679624
chr20	1467932	1467932	+	1.715E-26	8.4121E-25	-0.30164	hypo	sig	chr20_1467932
chr8	1.44E+08	143944853	+	1.719E-26	8.4315E-25	0.35695	hyper	sig	chr8_143944853
chr7	1.02E+08	101784485	+	1.72E-26	8.4344E-25	-0.34553	hypo	sig	chr7_101784485
chr16	84062853	84062853	+	1.726E-26	8.4625E-25	0.231974	hyper	sig	chr16_84062853
chr11	61829300	61829300	+	1.729E-26	8.4791E-25	0.278432	hyper	sig	chr11_61829300
chr20	36860853	36860853	+	1.73E-26	8.4799E-25	0.266837	hyper	sig	chr20_36860853
chr19	39308375	39308375	+	1.74E-26	8.5319E-25	0.385896	hyper	sig	chr19_39308375
chr8	1.41E+08	140609291	+	1.74E-26	8.5319E-25	0.394966	hyper	sig	chr8_140609291
chr18	46757947	46757947	+	1.741E-26	8.5338E-25	0.254963	hyper	sig	chr18_46757947
chr1	50417330	50417330	+	1.742E-26	8.5393E-25	0.328583	hyper	sig	chr1_50417330
chr18	26864249	26864249	+	1.742E-26	8.5394E-25	-0.31914	hypo	sig	chr18_26864249
chr1	20553054	20553054	+	1.743E-26	8.5409E-25	0.372596	hyper	sig	chr1_20553054
chr17	8326917	8326917	+	1.747E-26	8.56E-25	0.221222	hyper	sig	chr17_8326917
chr1	1.19E+08	119006223	+	1.748E-26	8.5653E-25	0.351051	hyper	sig	chr1_119006223
chr12	1.14E+08	114409731	+	1.749E-26	8.5726E-25	0.274302	hyper	sig	chr12_114409731

chr6	27680826	27680826	+	1.755E-26	8.6002E-25	0.342283	hyper	sig	chr6_27680826
chr1	1.65E+08	164576351	+	1.757E-26	8.6065E-25	0.424409	hyper	sig	chr1_164576351
chr5	1444737	1444737	+	1.76E-26	8.6238E-25	0.292453	hyper	sig	chr5_1444737
chr4	1.87E+08	187063399	+	1.761E-26	8.6275E-25	-0.3779	hypo	sig	chr4_187063399
chr15	40445919	40445919	+	1.771E-26	8.6755E-25	0.307806	hyper	sig	chr15_40445919
chr1	1.21E+08	121007031	+	1.778E-26	8.708E-25	0.323105	hyper	sig	chr1_121007031
chr17	14298376	14298376	+	1.781E-26	8.7214E-25	0.37412	hyper	sig	chr17_14298376
chr7	56229941	56229941	+	1.784E-26	8.739E-25	0.327621	hyper	sig	chr7_56229941
chr7	91267274	91267274	+	1.787E-26	8.7527E-25	0.362368	hyper	sig	chr7_91267274
chr16	66604390	66604390	+	1.79E-26	8.7672E-25	0.246723	hyper	sig	chr16_66604390
chr8	1.44E+08	143569872	+	1.79E-26	8.7672E-25	0.370936	hyper	sig	chr8_143569872
chr2	1.19E+08	118858430	+	1.792E-26	8.7744E-25	0.36502	hyper	sig	chr2_118858430
chr13	1.12E+08	112062938	+	1.795E-26	8.789E-25	0.314287	hyper	sig	chr13_112062938
chr2	5981824	5981824	+	1.798E-26	8.8014E-25	0.375873	hyper	sig	chr2_5981824
chr3	1.58E+08	158095556	+	1.802E-26	8.8225E-25	0.332966	hyper	sig	chr3_158095556
chr19	46471757	46471757	+	1.805E-26	8.8349E-25	0.311987	hyper	sig	chr19_46471757
chr2	1633278	1633278	+	1.805E-26	8.8359E-25	-0.40139	hypo	sig	chr2_1633278
chr19	12156712	12156712	+	1.811E-26	8.8628E-25	0.263923	hyper	sig	chr19_12156712
chr1	78491167	78491167	+	1.811E-26	8.8651E-25	0.346154	hyper	sig	chr1_78491167
chr8	1.18E+08	118074508	+	1.812E-26	8.8673E-25	0.33858	hyper	sig	chr8_118074508
chr3	1.97E+08	196526740	+	1.813E-26	8.8703E-25	-0.30074	hypo	sig	chr3_196526740
chr7	1.59E+08	159144415	+	1.813E-26	8.8726E-25	0.266439	hyper	sig	chr7_159144415
chr12	5043999	5043999	+	1.814E-26	8.8744E-25	0.41441	hyper	sig	chr12_5043999
chr20	608773	608773	+	1.815E-26	8.8783E-25	-0.49601	hypo	sig	chr20_608773
chr18	79785050	79785050	+	1.818E-26	8.8939E-25	-0.37437	hypo	sig	chr18_79785050
chr6	10886904	10886904	+	1.819E-26	8.8977E-25	0.309043	hyper	sig	chr6_10886904
chr19	52453568	52453568	+	1.819E-26	8.8987E-25	0.279975	hyper	sig	chr19_52453568
chr19	57584119	57584119	+	1.819E-26	8.8998E-25	0.301093	hyper	sig	chr19_57584119
chr7	56229912	56229912	+	1.82E-26	8.9029E-25	0.34891	hyper	sig	chr7_56229912
chr8	39934756	39934756	+	1.82E-26	8.9034E-25	-0.29559	hypo	sig	chr8_39934756
chr8	54454372	54454372	+	1.822E-26	8.9106E-25	0.380599	hyper	sig	chr8_54454372
chr4	1.09E+08	109302184	+	1.829E-26	8.9431E-25	0.256611	hyper	sig	chr4_109302184
chr22	26170019	26170019	+	1.829E-26	8.9446E-25	0.342707	hyper	sig	chr22_26170019
chr10	1.01E+08	100830609	+	1.832E-26	8.9577E-25	0.281602	hyper	sig	chr10_100830609
chr12	75207660	75207660	+	1.833E-26	8.965E-25	0.364506	hyper	sig	chr12_75207660
chr1	90834781	90834781	+	1.834E-26	8.9655E-25	0.320865	hyper	sig	chr1_90834781
chr7	2104267	2104267	+	1.834E-26	8.967E-25	0.361	hyper	sig	chr7_2104267
chr9	1.28E+08	127525603	+	1.834E-26	8.967E-25	0.243644	hyper	sig	chr9_127525603
chr17	18188296	18188296	+	1.835E-26	8.9686E-25	0.294989	hyper	sig	chr17_18188296
chr8	13566880	13566880	+	1.841E-26	8.9987E-25	0.252019	hyper	sig	chr8_13566880
chr11	32439114	32439114	+	1.843E-26	9.0075E-25	0.243771	hyper	sig	chr11_32439114
chr2	1.19E+08	118834090	+	1.843E-26	9.008E-25	0.376628	hyper	sig	chr2_118834090
chr14	36503965	36503965	+	1.844E-26	9.0115E-25	0.2631	hyper	sig	chr14_36503965
chr8	11703254	11703254	+	1.844E-26	9.0115E-25	0.229053	hyper	sig	chr8_11703254
chr8	49911781	49911781	+	1.847E-26	9.0271E-25	0.353161	hyper	sig	chr8_49911781
chr1	1.53E+08	152579684	+	1.848E-26	9.0275E-25	-0.32841	hypo	sig	chr1_152579684
chr8	1.45E+08	144791023	+	1.855E-26	9.0648E-25	-0.24716	hypo	sig	chr8_144791023
chr19	57600396	57600396	+	1.862E-26	9.0978E-25	0.265746	hyper	sig	chr19_57600396
chr10	70442155	70442155	+	1.865E-26	9.1132E-25	-0.36928	hypo	sig	chr10_70442155
chr7	42493845	42493845	+	1.869E-26	9.1311E-25	0.257349	hyper	sig	chr7_42493845
chr2	1.19E+08	118841942	+	1.872E-26	9.1463E-25	0.253406	hyper	sig	chr2_118841942
chr1	1.47E+08	147072645	+	1.873E-26	9.1508E-25	0.295735	hyper	sig	chr1_147072645
chr11	69867973	69867973	+	1.874E-26	9.1519E-25	-0.3392	hypo	sig	chr11_69867973
chr6	34238714	34238714	+	1.875E-26	9.155E-25	-0.3075	hypo	sig	chr6_34238714
chr13	1.02E+08	101917194	+	1.876E-26	9.1608E-25	0.319395	hyper	sig	chr13_101917194
chr3	11757522	11757522	+	1.877E-26	9.167E-25	-0.32001	hypo	sig	chr3_11757522

chr11	69819766	69819766	+	1.878E-26	9.1679E-25	0.297535	hyper	sig	chr11_69819766
chr3	1.47E+08	147411197	+	1.882E-26	9.1877E-25	0.363323	hyper	sig	chr3_147411197
chr7	1.28E+08	128201682	+	1.882E-26	9.1887E-25	0.273014	hyper	sig	chr7_128201682
chr8	1.43E+08	143145076	+	1.882E-26	9.1887E-25	-0.33244	hypo	sig	chr8_143145076
chr1	2237975	2237975	+	1.885E-26	9.2027E-25	0.283889	hyper	sig	chr1_2237975
chr10	70442152	70442152	+	1.886E-26	9.2064E-25	-0.32155	hypo	sig	chr10_70442152
chr6	32188450	32188450	+	1.886E-26	9.2064E-25	0.366511	hyper	sig	chr6_32188450
chr1	1436441	1436441	+	1.89E-26	9.2251E-25	0.302853	hyper	sig	chr1_1436441
chr15	40322908	40322908	+	1.891E-26	9.2313E-25	0.31524	hyper	sig	chr15_40322908
chr10	1.01E+08	101135979	+	1.899E-26	9.2661E-25	0.365152	hyper	sig	chr10_101135979
chr11	71615464	71615464	+	1.901E-26	9.2775E-25	-0.32325	hypo	sig	chr11_71615464
chr3	1.35E+08	134651059	+	1.901E-26	9.2775E-25	0.30551	hyper	sig	chr3_134651059
chr7	1.35E+08	135249078	+	1.906E-26	9.3003E-25	-0.32943	hypo	sig	chr7_135249078
chr16	51151147	51151147	+	1.908E-26	9.3097E-25	0.440293	hyper	sig	chr16_51151147
chr16	73056706	73056706	+	1.913E-26	9.3323E-25	0.379629	hyper	sig	chr16_73056706
chr8	66432263	66432263	+	1.92E-26	9.3657E-25	0.305971	hyper	sig	chr8_66432263
chr10	1.23E+08	123134250	+	1.92E-26	9.3657E-25	0.292507	hyper	sig	chr10_123134250
chr17	79803844	79803844	+	1.921E-26	9.3715E-25	0.234359	hyper	sig	chr17_79803844
chr11	1.12E+08	111540275	+	1.922E-26	9.3737E-25	0.292905	hyper	sig	chr11_111540275
chr2	20231674	20231674	+	1.922E-26	9.3737E-25	-0.28675	hypo	sig	chr2_20231674
chr16	86516343	86516343	+	1.922E-26	9.3759E-25	0.318441	hyper	sig	chr16_86516343
chr6	41638713	41638713	+	1.924E-26	9.3808E-25	0.323024	hyper	sig	chr6_41638713
chr14	1.04E+08	103520029	+	1.929E-26	9.4085E-25	0.297874	hyper	sig	chr14_103520029
chr2	2.41E+08	240831951	+	1.933E-26	9.4278E-25	0.317428	hyper	sig	chr2_240831951
chr15	96346235	96346235	+	1.936E-26	9.4374E-25	0.245679	hyper	sig	chr15_96346235
chr16	88975682	88975682	+	1.936E-26	9.4389E-25	-0.25305	hypo	sig	chr16_88975682
chr7	2567505	2567505	+	1.937E-26	9.4429E-25	0.394055	hyper	sig	chr7_2567505
chr17	82882968	82882968	+	1.94E-26	9.4578E-25	-0.31707	hypo	sig	chr17_82882968
chr1	2.29E+08	229407279	+	1.943E-26	9.471E-25	0.369544	hyper	sig	chr1_229407279
chr2	1.19E+08	118856948	+	1.946E-26	9.4873E-25	0.288709	hyper	sig	chr2_118856948
chr8	24914903	24914903	+	1.948E-26	9.4951E-25	0.251078	hyper	sig	chr8_24914903
chr14	24311309	24311309	+	1.951E-26	9.5101E-25	0.250401	hyper	sig	chr14_24311309
chr11	526405	526405	+	1.953E-26	9.5182E-25	-0.29104	hypo	sig	chr11_526405
chr11	1.33E+08	133064264	+	1.953E-26	9.5198E-25	0.263695	hyper	sig	chr11_133064264
chr1	1.47E+08	147079247	+	1.955E-26	9.5249E-25	0.400241	hyper	sig	chr1_147079247
chr18	22173247	22173247	+	1.958E-26	9.5417E-25	-0.30229	hypo	sig	chr18_22173247
chr6	50845985	50845985	+	1.959E-26	9.5437E-25	0.434767	hyper	sig	chr6_50845985
chr3	1.25E+08	125142054	+	1.961E-26	9.5555E-25	0.265572	hyper	sig	chr3_125142054
chr1	1.19E+08	119006617	+	1.966E-26	9.5798E-25	0.300007	hyper	sig	chr1_119006617
chr11	8733504	8733504	+	1.967E-26	9.5798E-25	0.259346	hyper	sig	chr11_8733504
chr8	1.05E+08	105319891	+	1.967E-26	9.5798E-25	0.228561	hyper	sig	chr8_105319891
chr9	1.29E+08	129480386	+	1.968E-26	9.5881E-25	0.349964	hyper	sig	chr9_129480386
chr1	2.17E+08	217138680	+	1.975E-26	9.6196E-25	0.328553	hyper	sig	chr1_217138680
chr10	22345289	22345289	+	1.978E-26	9.6344E-25	0.289962	hyper	sig	chr10_22345289
chr13	78607991	78607991	+	1.978E-26	9.6344E-25	0.380674	hyper	sig	chr13_78607991
chr8	1.33E+08	133191212	+	1.983E-26	9.655E-25	0.330398	hyper	sig	chr8_133191212
chr3	1.3E+08	129605073	+	1.983E-26	9.6562E-25	0.319845	hyper	sig	chr3_129605073
chr13	1.13E+08	112638438	+	1.986E-26	9.6714E-25	-0.40245	hypo	sig	chr13_112638438
chr7	4725516	4725516	+	1.993E-26	9.7038E-25	0.324834	hyper	sig	chr7_4725516
chr7	1.22E+08	122310274	+	1.993E-26	9.7038E-25	0.295579	hyper	sig	chr7_122310274
chr8	71557771	71557771	+	1.994E-26	9.7081E-25	0.419583	hyper	sig	chr8_71557771
chr1	1.54E+08	154331776	+	1.996E-26	9.7166E-25	-0.31321	hypo	sig	chr1_154331776
chr6	6543222	6543222	+	1.997E-26	9.7199E-25	-0.28259	hypo	sig	chr6_6543222
chr20	21509875	21509875	+	1.997E-26	9.7207E-25	0.276069	hyper	sig	chr20_21509875
chr11	8169037	8169037	+	1.998E-26	9.7249E-25	0.262993	hyper	sig	chr11_8169037
chr1	2.31E+08	230747117	+	2.002E-26	9.7412E-25	-0.35876	hypo	sig	chr1_230747117

chr8	49911766	49911766	+	2.003E-26	9.748E-25	0.351864	hyper	sig	chr8_49911766
chr5	76372653	76372653	+	2.003E-26	9.7485E-25	-0.28073	hypo	sig	chr5_76372653
chr13	36297855	36297855	+	2.007E-26	9.7658E-25	0.309702	hyper	sig	chr13_36297855
chr5	1.8E+08	179801888	+	2.008E-26	9.7697E-25	0.333612	hyper	sig	chr5_179801888
chr2	45004778	45004778	+	2.011E-26	9.782E-25	0.299769	hyper	sig	chr2_45004778
chr11	69382587	69382587	+	2.011E-26	9.7822E-25	-0.3261	hypo	sig	chr11_69382587
chr8	57205235	57205235	+	2.012E-26	9.7867E-25	-0.31502	hypo	sig	chr8_57205235
chr6	28775969	28775969	+	2.017E-26	9.8114E-25	0.270351	hyper	sig	chr6_28775969
chr8	64379125	64379125	+	2.018E-26	9.8141E-25	0.323809	hyper	sig	chr8_64379125
chr8	78517527	78517527	+	2.024E-26	9.8467E-25	-0.36218	hypo	sig	chr8_78517527
chr5	1.46E+08	146343236	+	2.025E-26	9.8495E-25	0.27824	hyper	sig	chr5_146343236
chr6	31728895	31728895	+	2.026E-26	9.8533E-25	0.238447	hyper	sig	chr6_31728895
chr14	36514489	36514489	+	2.031E-26	9.8765E-25	0.202617	hyper	sig	chr14_36514489
chr17	41530376	41530376	+	2.032E-26	9.8806E-25	-0.32941	hypo	sig	chr17_41530376
chr7	1235648	1235648	+	2.04E-26	9.9204E-25	0.304249	hyper	sig	chr7_1235648
chr7	8442502	8442502	+	2.041E-26	9.9217E-25	0.332344	hyper	sig	chr7_8442502
chr11	1.06E+08	105610787	+	2.044E-26	9.9353E-25	0.290815	hyper	sig	chr11_105610787
chr15	79091510	79091510	+	2.045E-26	9.9413E-25	0.26704	hyper	sig	chr15_79091510
chr20	37385025	37385025	+	2.05E-26	9.9658E-25	0.354222	hyper	sig	chr20_37385025
chr8	37797963	37797963	+	2.056E-26	9.9918E-25	0.325605	hyper	sig	chr8_37797963
chr8	71558465	71558465	+	2.056E-26	9.9918E-25	0.385324	hyper	sig	chr8_71558465
chr1	2.33E+08	232869177	+	2.06E-26	1.0011E-24	-0.31671	hypo	sig	chr1_232869177
chr5	1552936	1552936	+	2.061E-26	1.0016E-24	0.294915	hyper	sig	chr5_1552936
chr17	77834636	77834636	+	2.062E-26	1.0023E-24	-0.23251	hypo	sig	chr17_77834636
chr19	12648279	12648279	+	2.07E-26	1.0061E-24	0.294484	hyper	sig	chr19_12648279
chr20	2804522	2804522	+	2.071E-26	1.0062E-24	0.338582	hyper	sig	chr20_2804522
chr19	58356282	58356282	+	2.074E-26	1.0078E-24	0.344176	hyper	sig	chr19_58356282
chr1	24931236	24931236	+	2.075E-26	1.008E-24	0.433337	hyper	sig	chr1_24931236
chr1	92441754	92441754	+	2.075E-26	1.008E-24	-0.35293	hypo	sig	chr1_92441754
chr6	32058879	32058879	+	2.076E-26	1.0084E-24	-0.34108	hypo	sig	chr6_32058879
chr5	1.4E+08	139710227	+	2.078E-26	1.0094E-24	-0.33939	hypo	sig	chr5_139710227
chr13	1.13E+08	113405943	+	2.081E-26	1.0108E-24	-0.42074	hypo	sig	chr13_113405943
chr1	85582896	85582896	+	2.081E-26	1.0109E-24	0.229338	hyper	sig	chr1_85582896
chr3	1.47E+08	147391659	+	2.083E-26	1.0116E-24	0.334709	hyper	sig	chr3_147391659
chr10	1.01E+08	101062082	+	2.083E-26	1.0117E-24	-0.41188	hypo	sig	chr10_101062082
chr8	63009395	63009395	+	2.085E-26	1.0124E-24	-0.3402	hypo	sig	chr8_63009395
chr20	44356281	44356281	+	2.086E-26	1.0129E-24	-0.37124	hypo	sig	chr20_44356281
chr1	14945795	14945795	+	2.089E-26	1.0141E-24	0.285322	hyper	sig	chr1_14945795
chr21	26966983	26966983	+	2.089E-26	1.0143E-24	0.329515	hyper	sig	chr21_26966983
chr12	1.23E+08	123269716	+	2.094E-26	1.0165E-24	0.425468	hyper	sig	chr12_123269716
chr17	81992400	81992400	+	2.095E-26	1.0173E-24	0.305112	hyper	sig	chr17_81992400
chr10	1173439	1173439	+	2.097E-26	1.0179E-24	-0.36286	hypo	sig	chr10_1173439
chr5	1.77E+08	177358259	+	2.097E-26	1.0179E-24	-0.29931	hypo	sig	chr5_177358259
chr7	96997884	96997884	+	2.097E-26	1.0179E-24	0.324781	hyper	sig	chr7_96997884
chr3	1.43E+08	142964425	+	2.1E-26	1.0191E-24	0.358916	hyper	sig	chr3_142964425
chr1	37475697	37475697	+	2.103E-26	1.0207E-24	-0.26886	hypo	sig	chr1_37475697
chr10	1.04E+08	103605817	+	2.108E-26	1.0229E-24	0.341936	hyper	sig	chr10_103605817
chr11	1.18E+08	117872854	+	2.113E-26	1.0252E-24	0.38709	hyper	sig	chr11_117872854
chr17	74270478	74270478	+	2.114E-26	1.026E-24	0.312629	hyper	sig	chr17_74270478
chr10	1.16E+08	116273424	+	2.117E-26	1.0274E-24	0.240251	hyper	sig	chr10_116273424
chr4	3793678	3793678	+	2.12E-26	1.0286E-24	-0.3497	hypo	sig	chr4_3793678
chr6	1.59E+08	159168894	+	2.126E-26	1.0316E-24	0.271858	hyper	sig	chr6_159168894
chr16	165503	165503	+	2.127E-26	1.0317E-24	0.270722	hyper	sig	chr16_165503
chr17	80067593	80067593	+	2.127E-26	1.032E-24	-0.34365	hypo	sig	chr17_80067593
chr2	2.2E+08	219523258	+	2.13E-26	1.0333E-24	0.298764	hyper	sig	chr2_219523258
chr4	52862886	52862886	+	2.13E-26	1.0333E-24	0.322579	hyper	sig	chr4_52862886

chr16	1002589	1002589	+	2.13E-26	1.0333E-24	-0.42864	hypo	sig	chr16_1002589
chr7	42238492	42238492	+	2.132E-26	1.0338E-24	0.353501	hyper	sig	chr7_42238492
chr5	1885405	1885405	+	2.134E-26	1.0348E-24	0.258692	hyper	sig	chr5_1885405
chr20	21396369	21396369	+	2.134E-26	1.0351E-24	0.287503	hyper	sig	chr20_21396369
chr10	7412660	7412660	+	2.136E-26	1.0357E-24	0.328143	hyper	sig	chr10_7412660
chr13	24932195	24932195	+	2.136E-26	1.0357E-24	0.301098	hyper	sig	chr13_24932195
chr20	58833646	58833646	+	2.136E-26	1.0357E-24	-0.32109	hypo	sig	chr20_58833646
chr16	73065020	73065020	+	2.14E-26	1.0373E-24	-0.31769	hypo	sig	chr16_73065020
chr19	19860965	19860965	+	2.14E-26	1.0374E-24	0.3086	hyper	sig	chr19_19860965
chr21	36704400	36704400	+	2.142E-26	1.0383E-24	0.409702	hyper	sig	chr21_36704400
chr14	47676377	47676377	+	2.142E-26	1.0384E-24	0.362532	hyper	sig	chr14_47676377
chr6	26744136	26744136	+	2.142E-26	1.0384E-24	0.269644	hyper	sig	chr6_26744136
chr1	50430574	50430574	+	2.143E-26	1.0387E-24	0.273396	hyper	sig	chr1_50430574
chr14	36517822	36517822	+	2.144E-26	1.0389E-24	0.278074	hyper	sig	chr14_36517822
chr8	1.01E+08	101494393	+	2.149E-26	1.0415E-24	-0.30627	hypo	sig	chr8_101494393
chr19	52398074	52398074	+	2.15E-26	1.0417E-24	0.313792	hyper	sig	chr19_52398074
chr1	1.19E+08	118984481	+	2.162E-26	1.0478E-24	0.259922	hyper	sig	chr1_118984481
chr2	467909	467909	+	2.165E-26	1.0492E-24	0.352159	hyper	sig	chr2_467909
chr9	93095311	93095311	+	2.167E-26	1.05E-24	-0.23016	hypo	sig	chr9_93095311
chr12	1.13E+08	113476112	+	2.168E-26	1.0504E-24	0.293828	hyper	sig	chr12_113476112
chr19	56368542	56368542	+	2.171E-26	1.0517E-24	0.297034	hyper	sig	chr19_56368542
chr17	45430399	45430399	+	2.171E-26	1.0519E-24	0.364305	hyper	sig	chr17_45430399
chr17	74939811	74939811	+	2.175E-26	1.0535E-24	-0.27314	hypo	sig	chr17_74939811
chr2	2.22E+08	222289478	+	2.179E-26	1.0553E-24	0.302061	hyper	sig	chr2_222289478
chr3	13011740	13011740	+	2.18E-26	1.0556E-24	-0.29796	hypo	sig	chr3_13011740
chr12	1.31E+08	130711888	+	2.18E-26	1.0559E-24	-0.3318	hypo	sig	chr12_130711888
chr17	76948791	76948791	+	2.181E-26	1.0564E-24	-0.3675	hypo	sig	chr17_76948791
chr4	1.33E+08	133151781	+	2.186E-26	1.0588E-24	0.345909	hyper	sig	chr4_133151781
chr11	1.3E+08	129743715	+	2.188E-26	1.0597E-24	-0.37345	hypo	sig	chr11_129743715
chr3	1.61E+08	161104754	+	2.191E-26	1.0608E-24	0.274749	hyper	sig	chr3_161104754
chr2	1602182	1602182	+	2.197E-26	1.0638E-24	0.286844	hyper	sig	chr2_1602182
chr7	1.54E+08	153745304	+	2.204E-26	1.067E-24	-0.32728	hypo	sig	chr7_153745304
chr3	4977161	4977161	+	2.208E-26	1.0688E-24	-0.31094	hypo	sig	chr3_4977161
chr20	63007255	63007255	+	2.213E-26	1.0714E-24	0.384911	hyper	sig	chr20_63007255
chr5	1.41E+08	141485011	+	2.213E-26	1.0714E-24	0.32671	hyper	sig	chr5_141485011
chr14	1.04E+08	103552398	+	2.216E-26	1.0727E-24	0.317919	hyper	sig	chr14_103552398
chr5	1744230	1744230	+	2.217E-26	1.0732E-24	-0.30303	hypo	sig	chr5_1744230
chr7	4725286	4725286	+	2.22E-26	1.0742E-24	0.282565	hyper	sig	chr7_4725286
chr19	39308454	39308454	+	2.227E-26	1.0778E-24	0.355817	hyper	sig	chr19_39308454
chr16	55655646	55655646	+	2.23E-26	1.0789E-24	0.380639	hyper	sig	chr16_55655646
chr17	35487822	35487822	+	2.231E-26	1.0794E-24	0.248483	hyper	sig	chr17_35487822
chr11	45355414	45355414	+	2.232E-26	1.08E-24	0.297858	hyper	sig	chr11_45355414
chr6	1.05E+08	104940335	+	2.236E-26	1.0818E-24	0.364505	hyper	sig	chr6_104940335
chr6	1.68E+08	168192488	+	2.24E-26	1.0837E-24	-0.27456	hypo	sig	chr6_168192488
chr18	905406	905406	+	2.243E-26	1.085E-24	0.266637	hyper	sig	chr18_905406
chr1	2.28E+08	228212572	+	2.244E-26	1.0852E-24	0.440476	hyper	sig	chr1_228212572
chr7	1.43E+08	142796715	+	2.245E-26	1.086E-24	0.336953	hyper	sig	chr7_142796715
chr2	1.27E+08	127176053	+	2.246E-26	1.0862E-24	0.27744	hyper	sig	chr2_127176053
chr16	31471816	31471816	+	2.251E-26	1.0887E-24	0.359555	hyper	sig	chr16_31471816
chr2	97724011	97724011	+	2.257E-26	1.0917E-24	0.339219	hyper	sig	chr2_97724011
chr5	43033892	43033892	+	2.258E-26	1.092E-24	0.295218	hyper	sig	chr5_43033892
chr5	1.41E+08	141338838	+	2.259E-26	1.0922E-24	0.297811	hyper	sig	chr5_141338838
chr14	22821589	22821589	+	2.267E-26	1.0959E-24	-0.27352	hypo	sig	chr14_22821589
chr8	52941853	52941853	+	2.267E-26	1.096E-24	0.272523	hyper	sig	chr8_52941853
chr1	2.28E+08	228158389	+	2.271E-26	1.0979E-24	0.427027	hyper	sig	chr1_228158389
chr15	52788262	52788262	+	2.272E-26	1.0982E-24	0.302857	hyper	sig	chr15_52788262

chr1	3743138	3743138	+	2.272E-26	1.0982E-24	-0.29672	hypo	sig	chr1_3743138
chr5	58582424	58582424	+	2.272E-26	1.0982E-24	0.250905	hyper	sig	chr5_58582424
chr1	9275735	9275735	+	2.272E-26	1.0983E-24	-0.23718	hypo	sig	chr1_9275735
chr17	247943	247943	+	2.273E-26	1.0986E-24	-0.31608	hypo	sig	chr17_247943
chr7	5349264	5349264	+	2.274E-26	1.0992E-24	0.263913	hyper	sig	chr7_5349264
chr14	74501521	74501521	+	2.277E-26	1.1002E-24	0.319862	hyper	sig	chr14_74501521
chr11	94740963	94740963	+	2.281E-26	1.1023E-24	0.277282	hyper	sig	chr11_94740963
chr7	27103797	27103797	+	2.283E-26	1.1031E-24	0.304644	hyper	sig	chr7_27103797
chr7	4792767	4792767	+	2.284E-26	1.1034E-24	0.40879	hyper	sig	chr7_4792767
chr4	3305035	3305035	+	2.284E-26	1.1035E-24	0.312538	hyper	sig	chr4_3305035
chr1	2.36E+08	236399770	+	2.287E-26	1.1048E-24	-0.29489	hypo	sig	chr1_236399770
chr17	44389592	44389592	+	2.29E-26	1.1063E-24	-0.26299	hypo	sig	chr17_44389592
chr13	1.02E+08	102400576	+	2.29E-26	1.1064E-24	0.256203	hyper	sig	chr13_102400576
chr16	31224251	31224251	+	2.291E-26	1.1068E-24	0.40032	hyper	sig	chr16_31224251
chr8	88326853	88326853	+	2.301E-26	1.1116E-24	0.293669	hyper	sig	chr8_88326853
chr13	1.13E+08	113422072	+	2.303E-26	1.1123E-24	0.29472	hyper	sig	chr13_113422072
chr12	1.15E+08	114696634	+	2.312E-26	1.1163E-24	0.283414	hyper	sig	chr12_114696634
chr2	68318863	68318863	+	2.313E-26	1.1168E-24	0.516673	hyper	sig	chr2_68318863
chr5	1.51E+08	150946750	+	2.313E-26	1.1171E-24	0.3386	hyper	sig	chr5_150946750
chr20	61293413	61293413	+	2.316E-26	1.1182E-24	-0.39857	hypo	sig	chr20_61293413
chr17	80942545	80942545	+	2.32E-26	1.1201E-24	0.420798	hyper	sig	chr17_80942545
chr5	42945061	42945061	+	2.321E-26	1.1204E-24	-0.341	hypo	sig	chr5_42945061
chr4	89837660	89837660	+	2.322E-26	1.1212E-24	0.288326	hyper	sig	chr4_89837660
chr2	1.27E+08	126979160	+	2.326E-26	1.1226E-24	-0.27982	hypo	sig	chr2_126979160
chr5	1.46E+08	146342613	+	2.327E-26	1.1232E-24	0.298125	hyper	sig	chr5_146342613
chr1	16520862	16520862	+	2.328E-26	1.1236E-24	0.357181	hyper	sig	chr1_16520862
chr5	1.46E+08	146340503	+	2.328E-26	1.1236E-24	0.375186	hyper	sig	chr5_146340503
chr5	1.79E+08	179023719	+	2.331E-26	1.1248E-24	0.220726	hyper	sig	chr5_179023719
chr5	1.41E+08	141431210	+	2.335E-26	1.1271E-24	0.30316	hyper	sig	chr5_141431210
chr6	1E+08	100464048	+	2.337E-26	1.1276E-24	0.304424	hyper	sig	chr6_100464048
chr1	38044447	38044447	+	2.338E-26	1.128E-24	0.319382	hyper	sig	chr1_38044447
chr1	78491498	78491498	+	2.339E-26	1.1286E-24	0.311621	hyper	sig	chr1_78491498
chr7	920935	920935	+	2.339E-26	1.1286E-24	-0.27797	hypo	sig	chr7_920935
chr6	27312227	27312227	+	2.348E-26	1.1328E-24	0.285366	hyper	sig	chr6_27312227
chr12	1.19E+08	118980876	+	2.352E-26	1.1345E-24	0.319135	hyper	sig	chr12_118980876
chr8	13566801	13566801	+	2.357E-26	1.1368E-24	0.33004	hyper	sig	chr8_13566801
chr20	30316186	30316186	+	2.361E-26	1.1387E-24	0.390248	hyper	sig	chr20_30316186
chr8	96159080	96159080	+	2.361E-26	1.1389E-24	0.321821	hyper	sig	chr8_96159080
chr16	87603179	87603179	+	2.364E-26	1.1402E-24	0.341709	hyper	sig	chr16_87603179
chr5	1.77E+08	177493258	+	2.365E-26	1.1408E-24	0.319114	hyper	sig	chr5_177493258
chr8	71843581	71843581	+	2.366E-26	1.1409E-24	0.327484	hyper	sig	chr8_71843581
chr16	1150097	1150097	+	2.367E-26	1.1416E-24	0.315226	hyper	sig	chr16_1150097
chr1	8212253	8212253	+	2.372E-26	1.1435E-24	-0.33596	hypo	sig	chr1_8212253
chr7	88759736	88759736	+	2.372E-26	1.1435E-24	0.323674	hyper	sig	chr7_88759736
chr20	21703779	21703779	+	2.373E-26	1.1442E-24	0.42348	hyper	sig	chr20_21703779
chr12	1.25E+08	124921240	+	2.378E-26	1.1463E-24	-0.36374	hypo	sig	chr12_124921240
chr10	75430662	75430662	+	2.397E-26	1.1556E-24	-0.23871	hypo	sig	chr10_75430662
chr3	1.47E+08	147409796	+	2.405E-26	1.1591E-24	0.329454	hyper	sig	chr3_147409796
chr13	1.12E+08	111893704	+	2.407E-26	1.1601E-24	0.352856	hyper	sig	chr13_111893704
chr20	761139	761139	+	2.413E-26	1.163E-24	0.329964	hyper	sig	chr20_761139
chr14	36654587	36654587	+	2.413E-26	1.163E-24	0.333674	hyper	sig	chr14_36654587
chr2	2.41E+08	240646432	+	2.415E-26	1.1638E-24	-0.33555	hypo	sig	chr2_240646432
chr13	52848181	52848181	+	2.419E-26	1.1658E-24	0.304591	hyper	sig	chr13_52848181
chr7	844641	844641	+	2.422E-26	1.1673E-24	0.281284	hyper	sig	chr7_844641
chr1	1.53E+08	152776368	+	2.426E-26	1.1689E-24	-0.29844	hypo	sig	chr1_152776368
chr14	1.01E+08	101044039	+	2.427E-26	1.1695E-24	-0.26147	hypo	sig	chr14_101044039

chr2	1.01E+08	101475194	+	2.429E-26	1.1705E-24	-0.29609	hypo	sig	chr2_101475194
chr12	7872986	7872986	+	2.43E-26	1.1707E-24	0.320644	hyper	sig	chr12_7872986
chr19	33290876	33290876	+	2.432E-26	1.1718E-24	-0.31812	hypo	sig	chr19_33290876
chr7	43113929	43113929	+	2.438E-26	1.1744E-24	0.272985	hyper	sig	chr7_43113929
chr2	54570105	54570105	+	2.439E-26	1.1747E-24	-0.30754	hypo	sig	chr2_54570105
chr5	37838493	37838493	+	2.439E-26	1.175E-24	0.289679	hyper	sig	chr5_37838493
chr8	1.19E+08	119207853	+	2.445E-26	1.1778E-24	-0.27195	hypo	sig	chr8_119207853
chr1	8370610	8370610	+	2.449E-26	1.1793E-24	0.362535	hyper	sig	chr1_8370610
chr1	16018053	16018053	+	2.449E-26	1.1794E-24	0.411576	hyper	sig	chr1_16018053
chr12	1.27E+08	126727899	+	2.451E-26	1.18E-24	0.298098	hyper	sig	chr12_126727899
chr7	24978983	24978983	+	2.452E-26	1.1806E-24	-0.30294	hypo	sig	chr7_24978983
chr19	21474889	21474889	+	2.453E-26	1.1811E-24	0.302313	hyper	sig	chr19_21474889
chr4	7183407	7183407	+	2.453E-26	1.1811E-24	-0.42667	hypo	sig	chr4_7183407
chr5	1.16E+08	115962061	+	2.453E-26	1.1811E-24	0.29635	hyper	sig	chr5_115962061
chr13	1.13E+08	113405914	+	2.46E-26	1.1841E-24	-0.42774	hypo	sig	chr13_113405914
chr2	11612834	11612834	+	2.46E-26	1.1842E-24	-0.36676	hypo	sig	chr2_11612834
chr6	1.37E+08	137495364	+	2.46E-26	1.1843E-24	0.28145	hyper	sig	chr6_137495364
chr2	1.31E+08	131056402	+	2.467E-26	1.1875E-24	0.327868	hyper	sig	chr2_131056402
chr8	1.44E+08	143944966	+	2.471E-26	1.1893E-24	0.273533	hyper	sig	chr8_143944966
chr16	83935306	83935306	+	2.474E-26	1.1907E-24	-0.35482	hypo	sig	chr16_83935306
chr13	1.13E+08	113454193	+	2.481E-26	1.1939E-24	0.239333	hyper	sig	chr13_113454193
chr22	23096298	23096298	+	2.483E-26	1.1945E-24	-0.3179	hypo	sig	chr22_23096298
chr9	1.1E+08	110208308	+	2.492E-26	1.1988E-24	-0.30504	hypo	sig	chr9_110208308
chr17	49964538	49964538	+	2.495E-26	1.2005E-24	0.400358	hyper	sig	chr17_49964538
chr9	1.34E+08	133918318	+	2.498E-26	1.2017E-24	0.339887	hyper	sig	chr9_133918318
chr7	41149521	41149521	+	2.498E-26	1.2017E-24	-0.3007	hypo	sig	chr7_41149521
chr3	13637617	13637617	+	2.502E-26	1.2036E-24	-0.2929	hypo	sig	chr3_13637617
chr10	8036149	8036149	+	2.503E-26	1.2041E-24	0.302621	hyper	sig	chr10_8036149
chr16	4769344	4769344	+	2.504E-26	1.2043E-24	-0.33138	hypo	sig	chr16_4769344
chr4	1.83E+08	182801843	+	2.507E-26	1.2059E-24	-0.34433	hypo	sig	chr4_182801843
chr11	72244555	72244555	+	2.51E-26	1.2072E-24	0.32085	hyper	sig	chr11_72244555
chr17	50719154	50719154	+	2.512E-26	1.208E-24	-0.38805	hypo	sig	chr17_50719154
chr7	5304121	5304121	+	2.513E-26	1.2084E-24	-0.34419	hypo	sig	chr7_5304121
chr9	1.37E+08	137031006	+	2.517E-26	1.2104E-24	-0.34398	hypo	sig	chr9_137031006
chr12	72273927	72273927	+	2.529E-26	1.2159E-24	0.312764	hyper	sig	chr12_72273927
chr19	36916520	36916520	+	2.533E-26	1.2179E-24	0.226684	hyper	sig	chr19_36916520
chr5	1.79E+08	179349256	+	2.534E-26	1.2182E-24	-0.35425	hypo	sig	chr5_179349256
chr19	37551262	37551262	+	2.539E-26	1.2205E-24	0.299805	hyper	sig	chr19_37551262
chr2	2.22E+08	222297067	+	2.543E-26	1.2223E-24	0.266934	hyper	sig	chr2_222297067
chr4	4870746	4870746	+	2.548E-26	1.2246E-24	0.2718	hyper	sig	chr4_4870746
chr2	74499781	74499781	+	2.554E-26	1.2275E-24	0.28421	hyper	sig	chr2_74499781
chr17	80919753	80919753	+	2.556E-26	1.2286E-24	0.319251	hyper	sig	chr17_80919753
chr6	1.65E+08	165333540	+	2.559E-26	1.2297E-24	-0.27958	hypo	sig	chr6_165333540
chr11	1482010	1482010	+	2.559E-26	1.2297E-24	0.288328	hyper	sig	chr11_1482010
chr5	1.41E+08	141364934	+	2.56E-26	1.23E-24	0.307038	hyper	sig	chr5_141364934
chr11	64774258	64774258	+	2.562E-26	1.2308E-24	0.282627	hyper	sig	chr11_64774258
chr7	1.58E+08	157854388	+	2.563E-26	1.2313E-24	-0.29235	hypo	sig	chr7_157854388
chr1	2.28E+08	227925506	+	2.569E-26	1.2342E-24	-0.345	hypo	sig	chr1_227925506
chr6	1.37E+08	137045149	+	2.569E-26	1.2342E-24	-0.36945	hypo	sig	chr6_137045149
chr8	1.41E+08	140609326	+	2.572E-26	1.2354E-24	0.288445	hyper	sig	chr8_140609326
chr17	80859465	80859465	+	2.573E-26	1.2358E-24	0.369067	hyper	sig	chr17_80859465
chr10	23693783	23693783	+	2.575E-26	1.2369E-24	0.338742	hyper	sig	chr10_23693783
chr17	1898637	1898637	+	2.578E-26	1.2384E-24	0.288569	hyper	sig	chr17_1898637
chr3	1.41E+08	141052158	+	2.58E-26	1.2389E-24	0.31033	hyper	sig	chr3_141052158
chr8	1.44E+08	143569870	+	2.581E-26	1.2392E-24	0.357976	hyper	sig	chr8_143569870
chr7	76259930	76259930	+	2.581E-26	1.2394E-24	0.275043	hyper	sig	chr7_76259930

chr14	24311283	24311283	+	2.583E-26	1.2402E-24	0.253935	hyper	sig	chr14_24311283
chr2	70790436	70790436	+	2.585E-26	1.2414E-24	0.303534	hyper	sig	chr2_70790436
chr2	2.07E+08	206642321	+	2.586E-26	1.2415E-24	0.389838	hyper	sig	chr2_206642321
chr9	1.22E+08	122220534	+	2.59E-26	1.2435E-24	0.410585	hyper	sig	chr9_122220534
chr5	1.41E+08	140783109	+	2.592E-26	1.2443E-24	-0.29611	hypo	sig	chr5_140783109
chr13	1.12E+08	111561773	+	2.595E-26	1.2457E-24	-0.32676	hypo	sig	chr13_111561773
chr11	32428275	32428275	+	2.596E-26	1.246E-24	0.333576	hyper	sig	chr11_32428275
chr7	1.02E+08	101784207	+	2.602E-26	1.2489E-24	-0.31971	hypo	sig	chr7_101784207
chr19	48640131	48640131	+	2.604E-26	1.2496E-24	-0.39606	hypo	sig	chr19_48640131
chr10	1.32E+08	132487327	+	2.605E-26	1.2501E-24	-0.29602	hypo	sig	chr10_132487327
chr1	2270589	2270589	+	2.606E-26	1.2504E-24	0.370775	hyper	sig	chr1_2270589
chr19	22052823	22052823	+	2.61E-26	1.2526E-24	0.297596	hyper	sig	chr19_22052823
chr9	19789272	19789272	+	2.624E-26	1.2591E-24	0.408358	hyper	sig	chr9_19789272
chr8	64374493	64374493	+	2.631E-26	1.2625E-24	0.320467	hyper	sig	chr8_64374493
chr11	314272	314272	+	2.634E-26	1.2635E-24	-0.2264	hypo	sig	chr11_314272
chr22	43862758	43862758	+	2.634E-26	1.2638E-24	0.340066	hyper	sig	chr22_43862758
chr8	64377239	64377239	+	2.634E-26	1.2638E-24	0.335893	hyper	sig	chr8_64377239
chr14	35535717	35535717	+	2.638E-26	1.2655E-24	0.278074	hyper	sig	chr14_35535717
chr15	28832218	28832218	+	2.646E-26	1.2693E-24	0.252403	hyper	sig	chr15_28832218
chr11	8168930	8168930	+	2.647E-26	1.2694E-24	0.321553	hyper	sig	chr11_8168930
chr12	2198159	2198159	+	2.647E-26	1.2694E-24	0.279445	hyper	sig	chr12_2198159
chr1	26799681	26799681	+	2.648E-26	1.2697E-24	0.33672	hyper	sig	chr1_26799681
chr6	1.34E+08	133889502	+	2.649E-26	1.2705E-24	0.355501	hyper	sig	chr6_133889502
chr19	51949103	51949103	+	2.649E-26	1.2705E-24	0.316271	hyper	sig	chr19_51949103
chr2	2.33E+08	233060459	+	2.654E-26	1.2724E-24	-0.336	hypo	sig	chr2_233060459
chr3	1.92E+08	192408841	+	2.657E-26	1.2741E-24	0.28186	hyper	sig	chr3_192408841
chr11	1.26E+08	126163002	+	2.664E-26	1.2771E-24	0.351473	hyper	sig	chr11_126163002
chr5	1.78E+08	178121645	+	2.664E-26	1.2772E-24	0.367209	hyper	sig	chr5_178121645
chr6	37648982	37648982	+	2.666E-26	1.2779E-24	0.411222	hyper	sig	chr6_37648982
chr1	27004660	27004660	+	2.667E-26	1.2784E-24	0.280266	hyper	sig	chr1_27004660
chr13	78586992	78586992	+	2.667E-26	1.2784E-24	0.35184	hyper	sig	chr13_78586992
chr17	14303493	14303493	+	2.667E-26	1.2784E-24	0.249214	hyper	sig	chr17_14303493
chr19	35773168	35773168	+	2.668E-26	1.2786E-24	-0.31634	hypo	sig	chr19_35773168
chr6	34238718	34238718	+	2.67E-26	1.2794E-24	-0.28223	hypo	sig	chr6_34238718
chr12	54000281	54000281	+	2.673E-26	1.2811E-24	0.286962	hyper	sig	chr12_54000281
chr8	1.44E+08	143899479	+	2.677E-26	1.2828E-24	-0.3819	hypo	sig	chr8_143899479
chr6	1.7E+08	170222865	+	2.679E-26	1.2834E-24	-0.3373	hypo	sig	chr6_170222865
chr16	51153695	51153695	+	2.682E-26	1.2849E-24	0.373019	hyper	sig	chr16_51153695
chr8	37798801	37798801	+	2.685E-26	1.2866E-24	0.365969	hyper	sig	chr8_37798801
chr7	2572253	2572253	+	2.686E-26	1.2868E-24	-0.35075	hypo	sig	chr7_2572253
chr7	169721	169721	+	2.686E-26	1.2868E-24	-0.29974	hypo	sig	chr7_169721
chr7	1.58E+08	157689592	+	2.688E-26	1.2876E-24	0.434124	hyper	sig	chr7_157689592
chr5	1891636	1891636	+	2.69E-26	1.2884E-24	-0.28584	hypo	sig	chr5_1891636
chr2	66444595	66444595	+	2.695E-26	1.2908E-24	0.304659	hyper	sig	chr2_66444595
chr12	1.1E+08	109598202	+	2.698E-26	1.2919E-24	-0.31938	hypo	sig	chr12_109598202
chr5	88678619	88678619	+	2.698E-26	1.2922E-24	0.309724	hyper	sig	chr5_88678619
chr2	26847435	26847435	+	2.699E-26	1.2922E-24	0.305728	hyper	sig	chr2_26847435
chr8	54470005	54470005	+	2.7E-26	1.2928E-24	0.29419	hyper	sig	chr8_54470005
chr10	48672554	48672554	+	2.705E-26	1.2953E-24	-0.40283	hypo	sig	chr10_48672554
chr2	2.41E+08	240726155	+	2.708E-26	1.2962E-24	-0.30986	hypo	sig	chr2_240726155
chr4	1.89E+08	188657688	+	2.708E-26	1.2966E-24	-0.33644	hypo	sig	chr4_188657688
chr10	1.01E+08	100520151	+	2.709E-26	1.2967E-24	0.323913	hyper	sig	chr10_100520151
chr3	68932805	68932805	+	2.711E-26	1.2977E-24	0.296476	hyper	sig	chr3_68932805
chr19	1762494	1762494	+	2.718E-26	1.3009E-24	0.407149	hyper	sig	chr19_1762494
chr6	26225040	26225040	+	2.72E-26	1.3019E-24	0.314992	hyper	sig	chr6_26225040
chr21	45286777	45286777	+	2.721E-26	1.3023E-24	0.336507	hyper	sig	chr21_45286777

chr8	96159496	96159496	+	2.722E-26	1.3028E-24	0.361464	hyper	sig	chr8_96159496
chr19	5831591	5831591	+	2.723E-26	1.3029E-24	0.29481	hyper	sig	chr19_5831591
chr8	48735699	48735699	+	2.723E-26	1.3031E-24	0.273581	hyper	sig	chr8_48735699
chr16	841299	841299	+	2.726E-26	1.3043E-24	-0.35724	hypo	sig	chr16_841299
chr11	64060823	64060823	+	2.73E-26	1.3062E-24	0.324916	hyper	sig	chr11_64060823
chr7	1.53E+08	152925749	+	2.733E-26	1.3074E-24	0.407991	hyper	sig	chr7_152925749
chr7	1.59E+08	158584761	+	2.738E-26	1.3097E-24	0.266226	hyper	sig	chr7_158584761
chr3	1.94E+08	194398298	+	2.742E-26	1.3118E-24	0.299714	hyper	sig	chr3_194398298
chr20	21509926	21509926	+	2.746E-26	1.3136E-24	0.245899	hyper	sig	chr20_21509926
chr7	1.58E+08	157684301	+	2.753E-26	1.3167E-24	0.479985	hyper	sig	chr7_157684301
chr8	24914724	24914724	+	2.758E-26	1.3192E-24	0.291649	hyper	sig	chr8_24914724
chr19	44499779	44499779	+	2.761E-26	1.3204E-24	0.359634	hyper	sig	chr19_44499779
chr10	52772773	52772773	+	2.763E-26	1.3214E-24	-0.33019	hypo	sig	chr10_52772773
chr13	1.1E+08	110309485	+	2.764E-26	1.3216E-24	0.370539	hyper	sig	chr13_110309485
chr12	54047712	54047712	+	2.766E-26	1.3224E-24	0.360915	hyper	sig	chr12_54047712
chr1	2.4E+08	239996601	+	2.769E-26	1.3238E-24	-0.36381	hypo	sig	chr1_239996601
chr8	1.41E+08	140508324	+	2.771E-26	1.3247E-24	0.399711	hyper	sig	chr8_140508324
chr5	1.41E+08	141421347	+	2.778E-26	1.3282E-24	0.305843	hyper	sig	chr5_141421347
chr17	73284543	73284543	+	2.781E-26	1.3294E-24	0.246182	hyper	sig	chr17_73284543
chr8	48735205	48735205	+	2.783E-26	1.3303E-24	0.253556	hyper	sig	chr8_48735205
chr2	2.19E+08	219057681	+	2.784E-26	1.3306E-24	0.22316	hyper	sig	chr2_219057681
chr2	2.32E+08	232388082	+	2.786E-26	1.3315E-24	0.423083	hyper	sig	chr2_232388082
chr8	1.35E+08	134830370	+	2.786E-26	1.3315E-24	0.287205	hyper	sig	chr8_134830370
chr20	38447996	38447996	+	2.79E-26	1.3331E-24	-0.2575	hypo	sig	chr20_38447996
chr11	1.33E+08	133064267	+	2.795E-26	1.3355E-24	0.273962	hyper	sig	chr11_133064267
chr8	48735609	48735609	+	2.795E-26	1.3355E-24	0.296768	hyper	sig	chr8_48735609
chr5	1.35E+08	135490259	+	2.797E-26	1.3362E-24	0.26965	hyper	sig	chr5_135490259
chr10	1.12E+08	112376348	+	2.803E-26	1.3391E-24	-0.23641	hypo	sig	chr10_112376348
chr10	23175134	23175134	+	2.803E-26	1.3392E-24	0.349424	hyper	sig	chr10_23175134
chr3	1.28E+08	128496764	+	2.806E-26	1.3405E-24	0.384894	hyper	sig	chr3_128496764
chr16	62035902	62035902	+	2.808E-26	1.3414E-24	0.353947	hyper	sig	chr16_62035902
chr12	78864627	78864627	+	2.814E-26	1.3444E-24	0.253965	hyper	sig	chr12_78864627
chr19	7676952	7676952	+	2.815E-26	1.3445E-24	-0.33453	hypo	sig	chr19_7676952
chr9	77019964	77019964	+	2.815E-26	1.3445E-24	0.356686	hyper	sig	chr9_77019964
chr12	1.33E+08	132908226	+	2.821E-26	1.3472E-24	0.257449	hyper	sig	chr12_132908226
chr14	1.05E+08	104605007	+	2.825E-26	1.3491E-24	0.332758	hyper	sig	chr14_104605007
chr13	70107889	70107889	+	2.826E-26	1.3493E-24	0.402171	hyper	sig	chr13_70107889
chr7	92609050	92609050	+	2.827E-26	1.3499E-24	-0.38452	hypo	sig	chr7_92609050
chr8	1.13E+08	113432904	+	2.828E-26	1.3503E-24	0.301523	hyper	sig	chr8_113432904
chr16	4377047	4377047	+	2.83E-26	1.3508E-24	0.341158	hyper	sig	chr16_4377047
chr7	91267280	91267280	+	2.833E-26	1.3524E-24	0.357285	hyper	sig	chr7_91267280
chr17	80823215	80823215	+	2.834E-26	1.3526E-24	-0.3765	hypo	sig	chr17_80823215
chr6	50850501	50850501	+	2.838E-26	1.3545E-24	0.301392	hyper	sig	chr6_50850501
chr7	923748	923748	+	2.839E-26	1.3551E-24	-0.36319	hypo	sig	chr7_923748
chr6	84768529	84768529	+	2.849E-26	1.3596E-24	0.244223	hyper	sig	chr6_84768529
chr20	21608528	21608528	+	2.85E-26	1.3599E-24	-0.49632	hypo	sig	chr20_21608528
chr3	1.38E+08	137763096	+	2.85E-26	1.3599E-24	0.267467	hyper	sig	chr3_137763096
chr12	6620590	6620590	+	2.851E-26	1.3605E-24	0.346277	hyper	sig	chr12_6620590
chr17	82882975	82882975	+	2.854E-26	1.3618E-24	-0.32501	hypo	sig	chr17_82882975
chr5	1.35E+08	135039049	+	2.857E-26	1.363E-24	0.411142	hyper	sig	chr5_135039049
chr14	1.01E+08	101027024	+	2.86E-26	1.3645E-24	-0.28269	hypo	sig	chr14_101027024
chr13	37869925	37869925	+	2.861E-26	1.3647E-24	0.347638	hyper	sig	chr13_37869925
chr16	15146108	15146108	+	2.862E-26	1.3654E-24	0.289419	hyper	sig	chr16_15146108
chr19	57614529	57614529	+	2.87E-26	1.3688E-24	0.247151	hyper	sig	chr19_57614529
chr19	57600368	57600368	+	2.873E-26	1.3706E-24	0.238313	hyper	sig	chr19_57600368
chr6	1.46E+08	146029449	+	2.875E-26	1.3713E-24	0.317963	hyper	sig	chr6_146029449

chr1	18632444	18632444	+	2.882E-26	1.3746E-24	0.382129	hyper	sig	chr1_18632444
chr3	1.5E+08	149657133	+	2.885E-26	1.3758E-24	0.303974	hyper	sig	chr3_149657133
chr16	1963109	1963109	+	2.887E-26	1.3765E-24	-0.26472	hypo	sig	chr16_1963109
chr19	7676549	7676549	+	2.889E-26	1.3776E-24	-0.36775	hypo	sig	chr19_7676549
chr8	52414083	52414083	+	2.893E-26	1.3792E-24	0.375105	hyper	sig	chr8_52414083
chr1	1.11E+08	111271197	+	2.898E-26	1.3819E-24	0.330365	hyper	sig	chr1_111271197
chr8	71843563	71843563	+	2.9E-26	1.3826E-24	0.323283	hyper	sig	chr8_71843563
chr15	40322899	40322899	+	2.901E-26	1.3829E-24	0.306032	hyper	sig	chr15_40322899
chr8	1.08E+08	108131772	+	2.902E-26	1.3832E-24	-0.29315	hypo	sig	chr8_108131772
chr12	8647245	8647245	+	2.904E-26	1.3842E-24	-0.28405	hypo	sig	chr12_8647245
chr11	1.23E+08	123431050	+	2.915E-26	1.3892E-24	0.253484	hyper	sig	chr11_123431050
chr2	38515705	38515705	+	2.915E-26	1.3892E-24	0.308672	hyper	sig	chr2_38515705
chr2	1.15E+08	115163154	+	2.921E-26	1.392E-24	0.329193	hyper	sig	chr2_115163154
chr20	63007260	63007260	+	2.924E-26	1.3936E-24	0.368068	hyper	sig	chr20_63007260
chr10	22345327	22345327	+	2.934E-26	1.3978E-24	0.34427	hyper	sig	chr10_22345327
chr11	2898825	2898825	+	2.939E-26	1.4003E-24	-0.30385	hypo	sig	chr11_2898825
chr19	34482262	34482262	+	2.939E-26	1.4004E-24	0.295029	hyper	sig	chr19_34482262
chr19	21269963	21269963	+	2.94E-26	1.4006E-24	-0.27345	hypo	sig	chr19_21269963
chr1	2237979	2237979	+	2.944E-26	1.4023E-24	0.368144	hyper	sig	chr1_2237979
chr5	1.41E+08	141419974	+	2.944E-26	1.4025E-24	0.364271	hyper	sig	chr5_141419974
chr10	99530537	99530537	+	2.946E-26	1.4031E-24	0.298954	hyper	sig	chr10_99530537
chr21	41687565	41687565	+	2.946E-26	1.4031E-24	-0.25489	hypo	sig	chr21_41687565
chr17	44972074	44972074	+	2.952E-26	1.4057E-24	-0.35893	hypo	sig	chr17_44972074
chr20	3408925	3408925	+	2.955E-26	1.407E-24	0.285671	hyper	sig	chr20_3408925
chr17	42653925	42653925	+	2.955E-26	1.4074E-24	0.254964	hyper	sig	chr17_42653925
chr18	78981155	78981155	+	2.956E-26	1.4076E-24	0.34136	hyper	sig	chr18_78981155
chr14	72812754	72812754	+	2.967E-26	1.4125E-24	0.262212	hyper	sig	chr14_72812754
chr8	96159793	96159793	+	2.969E-26	1.4134E-24	0.325012	hyper	sig	chr8_96159793
chr17	46850939	46850939	+	2.969E-26	1.4137E-24	0.340445	hyper	sig	chr17_46850939
chr11	1.3E+08	130404230	+	2.971E-26	1.4141E-24	-0.2899	hypo	sig	chr11_130404230
chr20	62740073	62740073	+	2.973E-26	1.4152E-24	-0.32189	hypo	sig	chr20_62740073
chr2	63055676	63055676	+	2.981E-26	1.419E-24	0.333333	hyper	sig	chr2_63055676
chr1	50430555	50430555	+	2.985E-26	1.4206E-24	0.274846	hyper	sig	chr1_50430555
chr20	3408888	3408888	+	2.985E-26	1.4208E-24	0.235837	hyper	sig	chr20_3408888
chr20	9514933	9514933	+	2.986E-26	1.4209E-24	0.23123	hyper	sig	chr20_9514933
chr5	1.73E+08	173245387	+	2.986E-26	1.4211E-24	0.302691	hyper	sig	chr5_173245387
chr19	2253493	2253493	+	2.987E-26	1.4215E-24	0.295619	hyper	sig	chr19_2253493
chr5	19988091	19988091	+	2.987E-26	1.4215E-24	0.2608	hyper	sig	chr5_19988091
chr10	23173350	23173350	+	2.991E-26	1.4233E-24	0.403234	hyper	sig	chr10_23173350
chr16	3305295	3305295	+	2.994E-26	1.4246E-24	0.230096	hyper	sig	chr16_3305295
chr16	88978302	88978302	+	2.994E-26	1.4246E-24	-0.32588	hypo	sig	chr16_88978302
chr14	94773194	94773194	+	2.995E-26	1.4247E-24	0.268179	hyper	sig	chr14_94773194
chr17	18377685	18377685	+	3.005E-26	1.4295E-24	-0.31931	hypo	sig	chr17_18377685
chr13	24932139	24932139	+	3.005E-26	1.4295E-24	0.2814	hyper	sig	chr13_24932139
chr4	80267231	80267231	+	3.006E-26	1.4299E-24	0.262126	hyper	sig	chr4_80267231
chr4	8394457	8394457	+	3.008E-26	1.4306E-24	0.335369	hyper	sig	chr4_8394457
chr10	23173330	23173330	+	3.01E-26	1.4316E-24	0.383286	hyper	sig	chr10_23173330
chr5	1406062	1406062	+	3.011E-26	1.4317E-24	-0.27134	hypo	sig	chr5_1406062
chr22	19937642	19937642	+	3.018E-26	1.435E-24	-0.2859	hypo	sig	chr22_19937642
chr5	1.79E+08	179124742	+	3.02E-26	1.436E-24	-0.37675	hypo	sig	chr5_179124742
chr2	2.22E+08	222289455	+	3.021E-26	1.4362E-24	0.307653	hyper	sig	chr2_222289455
chr7	27103762	27103762	+	3.021E-26	1.4365E-24	0.309958	hyper	sig	chr7_27103762
chr4	4858180	4858180	+	3.028E-26	1.4394E-24	0.420529	hyper	sig	chr4_4858180
chr10	84138944	84138944	+	3.039E-26	1.4448E-24	-0.29444	hypo	sig	chr10_84138944
chr17	4785398	4785398	+	3.041E-26	1.4455E-24	0.252706	hyper	sig	chr17_4785398
chr5	1.5E+08	150156190	+	3.042E-26	1.4458E-24	0.289185	hyper	sig	chr5_150156190

chr6	35789165	35789165	+	3.042E-26	1.4461E-24	-0.32008	hypo	sig	chr6_35789165
chr11	20669189	20669189	+	3.045E-26	1.4473E-24	0.339572	hyper	sig	chr11_20669189
chr11	1.04E+08	104165033	+	3.046E-26	1.4477E-24	-0.33404	hypo	sig	chr11_104165033
chr8	48870516	48870516	+	3.051E-26	1.45E-24	0.389872	hyper	sig	chr8_48870516
chr6	1.61E+08	161266253	+	3.052E-26	1.4502E-24	-0.26869	hypo	sig	chr6_161266253
chr2	2.4E+08	239678197	+	3.058E-26	1.4532E-24	-0.36302	hypo	sig	chr2_239678197
chr16	55323873	55323873	+	3.06E-26	1.4539E-24	0.275209	hyper	sig	chr16_55323873
chr5	1.41E+08	141136082	+	3.07E-26	1.4585E-24	0.272991	hyper	sig	chr5_141136082
chr4	17781710	17781710	+	3.07E-26	1.4586E-24	0.311005	hyper	sig	chr4_17781710
chr4	1.22E+08	121706865	+	3.072E-26	1.4592E-24	-0.37847	hypo	sig	chr4_121706865
chr2	70768072	70768072	+	3.079E-26	1.4625E-24	0.364251	hyper	sig	chr2_70768072
chr8	1.04E+08	104466452	+	3.088E-26	1.4668E-24	0.394857	hyper	sig	chr8_104466452
chr1	2073789	2073789	+	3.089E-26	1.4674E-24	0.356955	hyper	sig	chr1_2073789
chr1	1.91E+08	191026310	+	3.095E-26	1.47E-24	-0.37705	hypo	sig	chr1_191026310
chr16	1991571	1991571	+	3.096E-26	1.4702E-24	0.354639	hyper	sig	chr16_1991571
chr5	1.41E+08	141094673	+	3.102E-26	1.4729E-24	0.324065	hyper	sig	chr5_141094673
chr8	35232639	35232639	+	3.102E-26	1.4732E-24	-0.34416	hypo	sig	chr8_35232639
chr1	1965114	1965114	+	3.103E-26	1.4736E-24	-0.34159	hypo	sig	chr1_1965114
chr4	1.85E+08	185019484	+	3.104E-26	1.4736E-24	0.334519	hyper	sig	chr4_185019484
chr17	78232190	78232190	+	3.106E-26	1.4748E-24	0.2797	hyper	sig	chr17_78232190
chr20	23048259	23048259	+	3.113E-26	1.4779E-24	0.309755	hyper	sig	chr20_23048259
chr13	27975620	27975620	+	3.116E-26	1.4793E-24	0.339708	hyper	sig	chr13_27975620
chr3	1.47E+08	147411170	+	3.121E-26	1.4813E-24	0.402678	hyper	sig	chr3_147411170
chr8	71558508	71558508	+	3.123E-26	1.4825E-24	0.361797	hyper	sig	chr8_71558508
chr3	44022287	44022287	+	3.124E-26	1.4827E-24	0.294739	hyper	sig	chr3_44022287
chr4	52862880	52862880	+	3.127E-26	1.4841E-24	0.318458	hyper	sig	chr4_52862880
chr5	37835693	37835693	+	3.128E-26	1.4845E-24	0.287672	hyper	sig	chr5_37835693
chr3	1.34E+08	133892782	+	3.13E-26	1.4853E-24	-0.311	hypo	sig	chr3_133892782
chr3	1.12E+08	111858858	+	3.131E-26	1.4856E-24	0.24156	hyper	sig	chr3_111858858
chr6	1.06E+08	105981872	+	3.133E-26	1.4866E-24	0.331339	hyper	sig	chr6_105981872
chr15	67827268	67827268	+	3.134E-26	1.4869E-24	0.270779	hyper	sig	chr15_67827268
chr19	23070450	23070450	+	3.143E-26	1.4909E-24	0.283315	hyper	sig	chr19_23070450
chr12	1.2E+08	119804297	+	3.143E-26	1.4911E-24	0.343867	hyper	sig	chr12_119804297
chr7	35254819	35254819	+	3.144E-26	1.4914E-24	0.382116	hyper	sig	chr7_35254819
chr3	1.38E+08	137762011	+	3.145E-26	1.4918E-24	0.364264	hyper	sig	chr3_137762011
chr12	1.22E+08	121590689	+	3.146E-26	1.4922E-24	-0.26738	hypo	sig	chr12_121590689
chr1	1.21E+08	121117025	+	3.148E-26	1.4928E-24	0.389072	hyper	sig	chr1_121117025
chr8	64587327	64587327	+	3.148E-26	1.493E-24	0.314516	hyper	sig	chr8_64587327
chr12	6374617	6374617	+	3.149E-26	1.4931E-24	-0.32472	hypo	sig	chr12_6374617
chr12	1.22E+08	122059950	+	3.154E-26	1.4957E-24	0.375844	hyper	sig	chr12_122059950
chr1	2.41E+08	240711593	+	3.159E-26	1.4976E-24	-0.34974	hypo	sig	chr1_240711593
chr4	1.23E+08	122826387	+	3.161E-26	1.4985E-24	0.305452	hyper	sig	chr4_122826387
chr19	23117331	23117331	+	3.168E-26	1.5019E-24	0.224601	hyper	sig	chr19_23117331
chr15	28097037	28097037	+	3.171E-26	1.5034E-24	0.230742	hyper	sig	chr15_28097037
chr11	1.02E+08	101583908	+	3.174E-26	1.5045E-24	0.401222	hyper	sig	chr11_101583908
chr2	2.23E+08	223052866	+	3.187E-26	1.5107E-24	0.375334	hyper	sig	chr2_223052866
chr13	95644943	95644943	+	3.193E-26	1.5135E-24	0.208436	hyper	sig	chr13_95644943
chr7	4739235	4739235	+	3.2E-26	1.5165E-24	0.307688	hyper	sig	chr7_4739235
chr19	56368514	56368514	+	3.201E-26	1.517E-24	0.345401	hyper	sig	chr19_56368514
chr19	56478458	56478458	+	3.213E-26	1.5224E-24	0.327276	hyper	sig	chr19_56478458
chr10	1.33E+08	133213374	+	3.213E-26	1.5226E-24	-0.36027	hypo	sig	chr10_133213374
chr13	1.12E+08	112055231	+	3.22E-26	1.5259E-24	0.338996	hyper	sig	chr13_112055231
chr15	65085637	65085637	+	3.225E-26	1.528E-24	0.28627	hyper	sig	chr15_65085637
chr20	44356272	44356272	+	3.231E-26	1.5306E-24	-0.35112	hypo	sig	chr20_44356272
chr3	95587818	95587818	+	3.236E-26	1.5331E-24	-0.4608	hypo	sig	chr3_95587818
chr14	24311334	24311334	+	3.238E-26	1.534E-24	0.250702	hyper	sig	chr14_24311334

chr12	1.31E+08	131106024	+	3.241E-26	1.5352E-24	-0.34465	hypo	sig	chr12_131106024
chr1	3356188	3356188	+	3.244E-26	1.5367E-24	-0.32325	hypo	sig	chr1_3356188
chr18	909087	909087	+	3.244E-26	1.5367E-24	0.357358	hyper	sig	chr18_909087
chr19	34482343	34482343	+	3.246E-26	1.5376E-24	0.290026	hyper	sig	chr19_34482343
chr5	55223227	55223227	+	3.248E-26	1.5384E-24	0.338584	hyper	sig	chr5_55223227
chr6	33975993	33975993	+	3.251E-26	1.5393E-24	0.302838	hyper	sig	chr6_33975993
chr15	27656669	27656669	+	3.254E-26	1.5411E-24	-0.2852	hypo	sig	chr15_27656669
chr17	18377687	18377687	+	3.259E-26	1.5433E-24	-0.31258	hypo	sig	chr17_18377687
chr17	75587758	75587758	+	3.272E-26	1.5491E-24	0.311283	hyper	sig	chr17_75587758
chr8	52941039	52941039	+	3.274E-26	1.5498E-24	0.285215	hyper	sig	chr8_52941039
chr14	41608454	41608454	+	3.282E-26	1.5535E-24	0.320497	hyper	sig	chr14_41608454
chr13	1.13E+08	113422080	+	3.285E-26	1.5552E-24	0.318378	hyper	sig	chr13_113422080
chr8	57143502	57143502	+	3.286E-26	1.5552E-24	0.385181	hyper	sig	chr8_57143502
chr16	991268	991268	+	3.292E-26	1.5582E-24	-0.34786	hypo	sig	chr16_991268
chr1	1.21E+08	121116948	+	3.295E-26	1.5592E-24	0.394141	hyper	sig	chr1_121116948
chr14	60485358	60485358	+	3.294E-26	1.5592E-24	0.305524	hyper	sig	chr14_60485358
chr10	77711345	77711345	+	3.295E-26	1.5593E-24	0.245546	hyper	sig	chr10_77711345
chr16	51113587	51113587	+	3.298E-26	1.5608E-24	0.258412	hyper	sig	chr16_51113587
chr1	10672871	10672871	+	3.301E-26	1.562E-24	0.289226	hyper	sig	chr1_10672871
chr2	2.33E+08	233060455	+	3.302E-26	1.5624E-24	-0.25187	hypo	sig	chr2_233060455
chr10	1.32E+08	132096465	+	3.305E-26	1.5634E-24	-0.25824	hypo	sig	chr10_132096465
chr22	45890051	45890051	+	3.305E-26	1.5634E-24	0.379918	hyper	sig	chr22_45890051
chr1	2855700	2855700	+	3.307E-26	1.5645E-24	0.288499	hyper	sig	chr1_2855700
chr17	78258056	78258056	+	3.313E-26	1.5672E-24	-0.36479	hypo	sig	chr17_78258056
chr15	93071529	93071529	+	3.317E-26	1.5688E-24	0.400873	hyper	sig	chr15_93071529
chr7	1.28E+08	128032171	+	3.317E-26	1.569E-24	0.3277	hyper	sig	chr7_128032171
chr20	23049542	23049542	+	3.33E-26	1.575E-24	0.294055	hyper	sig	chr20_23049542
chr4	1.4E+08	140426839	+	3.332E-26	1.5756E-24	0.286203	hyper	sig	chr4_140426839
chr8	48735180	48735180	+	3.333E-26	1.5763E-24	0.326002	hyper	sig	chr8_48735180
chr13	36432231	36432231	+	3.336E-26	1.5774E-24	0.272531	hyper	sig	chr13_36432231
chr4	1.54E+08	153789383	+	3.351E-26	1.5843E-24	0.256663	hyper	sig	chr4_153789383
chr16	55656469	55656469	+	3.356E-26	1.5867E-24	0.297727	hyper	sig	chr16_55656469
chr2	29116225	29116225	+	3.359E-26	1.588E-24	0.280636	hyper	sig	chr2_29116225
chr5	1.41E+08	141332892	+	3.36E-26	1.5886E-24	0.318028	hyper	sig	chr5_141332892
chr21	36708948	36708948	+	3.363E-26	1.5899E-24	0.269177	hyper	sig	chr21_36708948
chr10	1182419	1182419	+	3.364E-26	1.5903E-24	-0.42781	hypo	sig	chr10_1182419
chr14	88326569	88326569	+	3.365E-26	1.5905E-24	0.24707	hyper	sig	chr14_88326569
chr8	1.45E+08	144713191	+	3.366E-26	1.5909E-24	0.372131	hyper	sig	chr8_144713191
chr3	198470	198470	+	3.377E-26	1.5959E-24	0.340988	hyper	sig	chr3_198470
chr2	1.19E+08	118833560	+	3.393E-26	1.6035E-24	0.220568	hyper	sig	chr2_118833560
chr5	1.41E+08	140834240	+	3.393E-26	1.6035E-24	0.310152	hyper	sig	chr5_140834240
chr16	66923602	66923602	+	3.394E-26	1.6038E-24	0.278241	hyper	sig	chr16_66923602
chr2	1.42E+08	142130175	+	3.394E-26	1.6038E-24	0.315287	hyper	sig	chr2_142130175
chr5	37840737	37840737	+	3.4E-26	1.6063E-24	0.280619	hyper	sig	chr5_37840737
chr19	57935196	57935196	+	3.4E-26	1.6063E-24	0.372729	hyper	sig	chr19_57935196
chr13	1.02E+08	102400478	+	3.411E-26	1.6114E-24	0.376588	hyper	sig	chr13_102400478
chr4	4858133	4858133	+	3.411E-26	1.6114E-24	0.3877	hyper	sig	chr4_4858133
chr6	28865546	28865546	+	3.412E-26	1.6118E-24	-0.41348	hypo	sig	chr6_28865546
chr20	5315621	5315621	+	3.413E-26	1.6121E-24	0.333693	hyper	sig	chr20_5315621
chr14	74239313	74239313	+	3.415E-26	1.6131E-24	0.300017	hyper	sig	chr14_74239313
chr10	99234592	99234592	+	3.417E-26	1.614E-24	0.255008	hyper	sig	chr10_99234592
chr16	89202307	89202307	+	3.437E-26	1.623E-24	0.315953	hyper	sig	chr16_89202307
chr12	1.04E+08	104050149	+	3.44E-26	1.6247E-24	0.219083	hyper	sig	chr12_104050149
chr16	15145786	15145786	+	3.443E-26	1.6256E-24	0.409346	hyper	sig	chr16_15145786
chr5	2755912	2755912	+	3.444E-26	1.6263E-24	0.27212	hyper	sig	chr5_2755912
chr21	26967096	26967096	+	3.446E-26	1.6272E-24	0.315293	hyper	sig	chr21_26967096

chr14	20435454	20435454	+	3.46E-26	1.6336E-24	0.393501	hyper	sig	chr14_20435454
chr12	6132717	6132717	+	3.461E-26	1.6341E-24	0.306972	hyper	sig	chr12_6132717
chr2	2.19E+08	219497247	+	3.462E-26	1.6342E-24	0.333678	hyper	sig	chr2_219497247
chr20	56003902	56003902	+	3.462E-26	1.6342E-24	0.421368	hyper	sig	chr20_56003902
chr13	53202130	53202130	+	3.467E-26	1.6366E-24	0.367031	hyper	sig	chr13_53202130
chr11	33372779	33372779	+	3.481E-26	1.6431E-24	-0.33295	hypo	sig	chr11_33372779
chr22	24607547	24607547	+	3.487E-26	1.6456E-24	-0.28151	hypo	sig	chr22_24607547
chr20	33193234	33193234	+	3.489E-26	1.6464E-24	-0.34145	hypo	sig	chr20_33193234
chr5	1.14E+08	114056276	+	3.509E-26	1.6561E-24	0.289891	hyper	sig	chr5_114056276
chr13	1.12E+08	112074016	+	3.51E-26	1.6565E-24	0.295659	hyper	sig	chr13_112074016
chr7	54542567	54542567	+	3.511E-26	1.6567E-24	0.273576	hyper	sig	chr7_54542567
chr7	4792771	4792771	+	3.518E-26	1.6596E-24	0.389485	hyper	sig	chr7_4792771
chr5	1.42E+08	141751034	+	3.524E-26	1.6627E-24	-0.34156	hypo	sig	chr5_141751034
chr11	20601747	20601747	+	3.524E-26	1.6627E-24	0.349899	hyper	sig	chr11_20601747
chr6	1.37E+08	137492741	+	3.528E-26	1.6642E-24	0.376092	hyper	sig	chr6_137492741
chr14	91413773	91413773	+	3.544E-26	1.6715E-24	-0.33023	hypo	sig	chr14_91413773
chr14	26205375	26205375	+	3.547E-26	1.673E-24	0.305807	hyper	sig	chr14_26205375
chr11	69463773	69463773	+	3.549E-26	1.6736E-24	0.352393	hyper	sig	chr11_69463773
chr6	50817455	50817455	+	3.55E-26	1.6739E-24	0.304318	hyper	sig	chr6_50817455
chr8	6805696	6805696	+	3.55E-26	1.6739E-24	-0.34585	hypo	sig	chr8_6805696
chr3	1.47E+08	147408155	+	3.564E-26	1.6803E-24	0.315268	hyper	sig	chr3_147408155
chr3	50365663	50365663	+	3.564E-26	1.6806E-24	-0.26286	hypo	sig	chr3_50365663
chr6	99607111	99607111	+	3.568E-26	1.6823E-24	0.287657	hyper	sig	chr6_99607111
chr7	8442471	8442471	+	3.57E-26	1.683E-24	0.336551	hyper	sig	chr7_8442471
chr10	1.23E+08	123134588	+	3.575E-26	1.6852E-24	0.249389	hyper	sig	chr10_123134588
chr16	1258384	1258384	+	3.578E-26	1.6866E-24	-0.29662	hypo	sig	chr16_1258384
chr13	36130820	36130820	+	3.586E-26	1.6902E-24	0.33371	hyper	sig	chr13_36130820
chr5	1.16E+08	115816769	+	3.586E-26	1.6902E-24	0.322195	hyper	sig	chr5_115816769
chr2	27049568	27049568	+	3.588E-26	1.6911E-24	0.316295	hyper	sig	chr2_27049568
chr6	17282882	17282882	+	3.593E-26	1.6932E-24	0.345828	hyper	sig	chr6_17282882
chr12	1.14E+08	114408516	+	3.594E-26	1.6935E-24	0.326523	hyper	sig	chr12_114408516
chr16	10695020	10695020	+	3.595E-26	1.6942E-24	-0.32036	hypo	sig	chr16_10695020
chr2	74499833	74499833	+	3.6E-26	1.6964E-24	0.287441	hyper	sig	chr2_74499833
chr2	2.22E+08	222304751	+	3.601E-26	1.6967E-24	0.3636	hyper	sig	chr2_222304751
chr3	1.33E+08	133038895	+	3.603E-26	1.6975E-24	0.332883	hyper	sig	chr3_133038895
chr1	1.47E+08	147078526	+	3.605E-26	1.6981E-24	0.385194	hyper	sig	chr1_147078526
chr4	1.45E+08	144645343	+	3.605E-26	1.6981E-24	0.342797	hyper	sig	chr4_144645343
chr1	37033875	37033875	+	3.606E-26	1.6984E-24	0.328748	hyper	sig	chr1_37033875
chr1	1.75E+08	175044898	+	3.61E-26	1.7002E-24	-0.30309	hypo	sig	chr1_175044898
chr13	27919189	27919189	+	3.61E-26	1.7002E-24	0.42958	hyper	sig	chr13_27919189
chr3	1.88E+08	187670360	+	3.615E-26	1.7028E-24	0.316464	hyper	sig	chr3_187670360
chr11	65546587	65546587	+	3.62E-26	1.7048E-24	-0.25056	hypo	sig	chr11_65546587
chr1	1.21E+08	121117978	+	3.623E-26	1.7062E-24	0.31343	hyper	sig	chr1_121117978
chr1	1.19E+08	118989076	+	3.626E-26	1.7074E-24	0.381435	hyper	sig	chr1_118989076
chr11	1028379	1028379	+	3.627E-26	1.7079E-24	-0.35263	hypo	sig	chr11_1028379
chr4	1.4E+08	139557581	+	3.629E-26	1.7088E-24	-0.26432	hypo	sig	chr4_139557581
chr7	27124210	27124210	+	3.632E-26	1.7102E-24	0.32787	hyper	sig	chr7_27124210
chr3	1.58E+08	158094963	+	3.639E-26	1.7132E-24	0.354545	hyper	sig	chr3_158094963
chr6	84772870	84772870	+	3.648E-26	1.7174E-24	0.347902	hyper	sig	chr6_84772870
chr20	45098448	45098448	+	3.652E-26	1.7191E-24	0.324122	hyper	sig	chr20_45098448
chr11	69005618	69005618	+	3.654E-26	1.7197E-24	0.321334	hyper	sig	chr11_69005618
chr12	54090503	54090503	+	3.656E-26	1.7209E-24	0.297497	hyper	sig	chr12_54090503
chr12	5043923	5043923	+	3.666E-26	1.7254E-24	0.393308	hyper	sig	chr12_5043923
chr16	70686442	70686442	+	3.667E-26	1.7258E-24	0.396884	hyper	sig	chr16_70686442
chr19	35999376	35999376	+	3.672E-26	1.7279E-24	0.36777	hyper	sig	chr19_35999376
chr10	86263293	86263293	+	3.686E-26	1.7344E-24	0.402421	hyper	sig	chr10_86263293

chr11	1.29E+08	128886587	+	3.687E-26	1.7347E-24	-0.27686	hypo	sig	chr11_128886587
chr10	99234154	99234154	+	3.689E-26	1.7357E-24	0.234485	hyper	sig	chr10_99234154
chr11	30012905	30012905	+	3.689E-26	1.7357E-24	-0.25198	hypo	sig	chr11_30012905
chr22	23580364	23580364	+	3.693E-26	1.7374E-24	-0.30934	hypo	sig	chr22_23580364
chr14	41605305	41605305	+	3.693E-26	1.7375E-24	0.240739	hyper	sig	chr14_41605305
chr4	1E+08	100190017	+	3.699E-26	1.74E-24	0.233614	hyper	sig	chr4_100190017
chr12	1.03E+08	102961357	+	3.703E-26	1.7419E-24	0.286146	hyper	sig	chr12_102961357
chr19	2867296	2867296	+	3.707E-26	1.7435E-24	-0.37741	hypo	sig	chr19_2867296
chr4	4858408	4858408	+	3.707E-26	1.7435E-24	0.371028	hyper	sig	chr4_4858408
chr8	13566798	13566798	+	3.708E-26	1.744E-24	0.306478	hyper	sig	chr8_13566798
chr1	90724672	90724672	+	3.71E-26	1.7444E-24	0.307701	hyper	sig	chr1_90724672
chr16	54939652	54939652	+	3.709E-26	1.7444E-24	0.387005	hyper	sig	chr16_54939652
chr19	599340	599340	+	3.71E-26	1.7444E-24	-0.33184	hypo	sig	chr19_599340
chr12	52496428	52496428	+	3.71E-26	1.7446E-24	-0.38178	hypo	sig	chr12_52496428
chr5	43044471	43044471	+	3.717E-26	1.7475E-24	0.33308	hyper	sig	chr5_43044471
chr17	41529230	41529230	+	3.73E-26	1.7536E-24	-0.26599	hypo	sig	chr17_41529230
chr7	8442442	8442442	+	3.742E-26	1.7593E-24	0.333584	hyper	sig	chr7_8442442
chr19	57935102	57935102	+	3.747E-26	1.7612E-24	0.354083	hyper	sig	chr19_57935102
chr11	43581375	43581375	+	3.747E-26	1.7615E-24	0.316976	hyper	sig	chr11_43581375
chr19	58098426	58098426	+	3.749E-26	1.7621E-24	0.200528	hyper	sig	chr19_58098426
chr11	94769459	94769459	+	3.753E-26	1.7639E-24	0.249261	hyper	sig	chr11_94769459
chr14	36667078	36667078	+	3.759E-26	1.7665E-24	0.329141	hyper	sig	chr14_36667078
chr4	1.53E+08	153249631	+	3.764E-26	1.7689E-24	0.279222	hyper	sig	chr4_153249631
chr3	1.13E+08	113441568	+	3.765E-26	1.7692E-24	0.33236	hyper	sig	chr3_113441568
chr1	1.65E+08	164576519	+	3.766E-26	1.7696E-24	0.372025	hyper	sig	chr1_164576519
chr10	93069282	93069282	+	3.767E-26	1.77E-24	0.290605	hyper	sig	chr10_93069282
chr5	1.41E+08	141350244	+	3.768E-26	1.7703E-24	0.319903	hyper	sig	chr5_141350244
chr16	1149988	1149988	+	3.77E-26	1.7711E-24	0.304601	hyper	sig	chr16_1149988
chr19	50188220	50188220	+	3.771E-26	1.7714E-24	-0.36073	hypo	sig	chr19_50188220
chr4	1.74E+08	173531406	+	3.788E-26	1.7794E-24	0.346543	hyper	sig	chr4_173531406
chr2	5691081	5691081	+	3.791E-26	1.7807E-24	0.289748	hyper	sig	chr2_5691081
chr3	48661639	48661639	+	3.791E-26	1.7807E-24	0.23178	hyper	sig	chr3_48661639
chr5	1.78E+08	178165787	+	3.798E-26	1.7839E-24	0.380182	hyper	sig	chr5_178165787
chr5	77643552	77643552	+	3.8E-26	1.7845E-24	0.292439	hyper	sig	chr5_77643552
chr17	9701062	9701062	+	3.801E-26	1.7852E-24	0.292824	hyper	sig	chr17_9701062
chr4	1.72E+08	171812596	+	3.81E-26	1.7892E-24	0.322988	hyper	sig	chr4_171812596
chr1	2.14E+08	214187327	+	3.817E-26	1.7925E-24	0.238146	hyper	sig	chr1_214187327
chr22	36286806	36286806	+	3.822E-26	1.7945E-24	0.358006	hyper	sig	chr22_36286806
chr10	370329	370329	+	3.826E-26	1.7964E-24	0.436274	hyper	sig	chr10_370329
chr12	66820	66820	+	3.829E-26	1.7976E-24	0.273878	hyper	sig	chr12_66820
chr13	76887207	76887207	+	3.834E-26	1.8E-24	0.259793	hyper	sig	chr13_76887207
chr20	50732341	50732341	+	3.838E-26	1.8015E-24	-0.30612	hypo	sig	chr20_50732341
chr1	2.28E+08	228341301	+	3.838E-26	1.8017E-24	-0.36566	hypo	sig	chr1_228341301
chr6	72621606	72621606	+	3.84E-26	1.8024E-24	0.309744	hyper	sig	chr6_72621606
chr2	1.19E+08	119156754	+	3.842E-26	1.8033E-24	0.316265	hyper	sig	chr2_119156754
chr12	50032748	50032748	+	3.856E-26	1.8099E-24	0.379074	hyper	sig	chr12_50032748
chr8	64579977	64579977	+	3.857E-26	1.8101E-24	0.262525	hyper	sig	chr8_64579977
chr5	1.35E+08	135027975	+	3.876E-26	1.8189E-24	0.38804	hyper	sig	chr5_135027975
chr12	1.13E+08	113476053	+	3.878E-26	1.8198E-24	0.317121	hyper	sig	chr12_113476053
chr6	27680664	27680664	+	3.879E-26	1.8199E-24	0.302169	hyper	sig	chr6_27680664
chr12	1.32E+08	132479002	+	3.891E-26	1.8256E-24	-0.39019	hypo	sig	chr12_132479002
chr2	2.32E+08	232419951	+	3.893E-26	1.8266E-24	0.409191	hyper	sig	chr2_232419951
chr12	8039050	8039050	+	3.897E-26	1.8284E-24	0.350726	hyper	sig	chr12_8039050
chr9	1.36E+08	136202845	+	3.899E-26	1.8288E-24	0.401803	hyper	sig	chr9_136202845
chr6	99609290	99609290	+	3.9E-26	1.8292E-24	0.337132	hyper	sig	chr6_99609290
chr3	27723857	27723857	+	3.905E-26	1.8317E-24	0.33903	hyper	sig	chr3_27723857

chr5	1.35E+08	135028976	+	3.915E-26	1.8361E-24	0.376047	hyper	sig	chr5_135028976
chr5	1.8E+08	179523854	+	3.915E-26	1.8361E-24	-0.30343	hypo	sig	chr5_179523854
chr7	1.55E+08	155462468	+	3.915E-26	1.8361E-24	0.279724	hyper	sig	chr7_155462468
chr6	32065040	32065040	+	3.92E-26	1.8381E-24	-0.26848	hypo	sig	chr6_32065040
chr16	1149968	1149968	+	3.925E-26	1.8403E-24	0.336677	hyper	sig	chr16_1149968
chr1	1.53E+08	152909339	+	3.926E-26	1.8408E-24	-0.30922	hypo	sig	chr1_152909339
chr17	48734153	48734153	+	3.93E-26	1.8426E-24	0.220321	hyper	sig	chr17_48734153
chr17	45430138	45430138	+	3.931E-26	1.8431E-24	0.396259	hyper	sig	chr17_45430138
chr11	69654380	69654380	+	3.932E-26	1.8434E-24	-0.24569	hypo	sig	chr11_69654380
chr17	1137752	1137752	+	3.933E-26	1.8438E-24	-0.31377	hypo	sig	chr17_1137752
chr13	1.12E+08	112106634	+	3.935E-26	1.8444E-24	0.241986	hyper	sig	chr13_112106634
chr19	27910254	27910254	+	3.937E-26	1.8453E-24	-0.33678	hypo	sig	chr19_27910254
chr11	1.11E+08	110712883	+	3.938E-26	1.8457E-24	0.316131	hyper	sig	chr11_110712883
chr16	86496355	86496355	+	3.942E-26	1.8475E-24	0.304602	hyper	sig	chr16_86496355
chr1	27351519	27351519	+	3.951E-26	1.8518E-24	0.340974	hyper	sig	chr1_27351519
chr5	1.41E+08	141339454	+	3.953E-26	1.8522E-24	0.302072	hyper	sig	chr5_141339454
chr13	1.13E+08	113453395	+	3.955E-26	1.8533E-24	0.316494	hyper	sig	chr13_113453395
chr15	28007964	28007964	+	3.96E-26	1.8552E-24	-0.28472	hypo	sig	chr15_28007964
chr15	89406369	89406369	+	3.961E-26	1.8557E-24	0.244169	hyper	sig	chr15_89406369
chr14	51351828	51351828	+	3.963E-26	1.8564E-24	-0.25129	hypo	sig	chr14_51351828
chr7	1.5E+08	150221117	+	3.966E-26	1.8577E-24	0.284644	hyper	sig	chr7_150221117
chr3	96815161	96815161	+	3.977E-26	1.8627E-24	0.315909	hyper	sig	chr3_96815161
chr1	2.07E+08	207496629	+	3.986E-26	1.8668E-24	0.24802	hyper	sig	chr1_207496629
chr13	45713642	45713642	+	3.994E-26	1.8708E-24	-0.28051	hypo	sig	chr13_45713642
chr12	54053966	54053966	+	3.995E-26	1.8712E-24	0.29698	hyper	sig	chr12_54053966
chr4	305047	305047	+	4E-26	1.8734E-24	0.289824	hyper	sig	chr4_305047
chr2	2.18E+08	217929036	+	4.001E-26	1.8737E-24	0.270809	hyper	sig	chr2_217929036
chr5	1.41E+08	141382694	+	4.002E-26	1.874E-24	0.26657	hyper	sig	chr5_141382694
chr20	761159	761159	+	4.007E-26	1.8763E-24	0.341358	hyper	sig	chr20_761159
chr2	66440322	66440322	+	4.009E-26	1.8769E-24	0.251203	hyper	sig	chr2_66440322
chr6	1.66E+08	166009236	+	4.011E-26	1.8776E-24	0.347796	hyper	sig	chr6_166009236
chr17	17810595	17810595	+	4.011E-26	1.8777E-24	0.345922	hyper	sig	chr17_17810595
chr1	44638252	44638252	+	4.013E-26	1.8784E-24	0.326601	hyper	sig	chr1_44638252
chr12	1.24E+08	123909382	+	4.019E-26	1.8811E-24	-0.34957	hypo	sig	chr12_123909382
chr20	21704837	21704837	+	4.026E-26	1.8845E-24	0.41433	hyper	sig	chr20_21704837
chr19	51949115	51949115	+	4.035E-26	1.8883E-24	0.31699	hyper	sig	chr19_51949115
chr1	85582857	85582857	+	4.039E-26	1.8904E-24	0.232126	hyper	sig	chr1_85582857
chr2	2.36E+08	236211476	+	4.042E-26	1.8917E-24	-0.31672	hypo	sig	chr2_236211476
chr10	22345160	22345160	+	4.044E-26	1.8923E-24	0.25726	hyper	sig	chr10_22345160
chr4	41747408	41747408	+	4.045E-26	1.8926E-24	0.364631	hyper	sig	chr4_41747408
chr17	17810572	17810572	+	4.047E-26	1.8938E-24	0.351326	hyper	sig	chr17_17810572
chr18	80081592	80081592	+	4.048E-26	1.894E-24	-0.36258	hypo	sig	chr18_80081592
chr16	991256	991256	+	4.056E-26	1.8975E-24	-0.3412	hypo	sig	chr16_991256
chr5	1.79E+08	179023724	+	4.07E-26	1.9039E-24	0.217714	hyper	sig	chr5_179023724
chr12	6620563	6620563	+	4.073E-26	1.9052E-24	0.314886	hyper	sig	chr12_6620563
chr3	1.72E+08	172450023	+	4.075E-26	1.9062E-24	0.321652	hyper	sig	chr3_172450023
chr19	416188	416188	+	4.079E-26	1.9076E-24	-0.36048	hypo	sig	chr19_416188
chr8	48735517	48735517	+	4.081E-26	1.9086E-24	0.402955	hyper	sig	chr8_48735517
chr3	11568816	11568816	+	4.083E-26	1.9097E-24	0.376208	hyper	sig	chr3_11568816
chr11	62879818	62879818	+	4.089E-26	1.9122E-24	0.292799	hyper	sig	chr11_62879818
chr1	1.13E+08	112850504	+	4.095E-26	1.9148E-24	-0.42343	hypo	sig	chr1_112850504
chr22	50267542	50267542	+	4.101E-26	1.9175E-24	0.553849	hyper	sig	chr22_50267542
chr4	10112170	10112170	+	4.113E-26	1.9229E-24	0.323699	hyper	sig	chr4_10112170
chr8	48735144	48735144	+	4.113E-26	1.923E-24	0.304756	hyper	sig	chr8_48735144
chr20	63361179	63361179	+	4.115E-26	1.9235E-24	0.347048	hyper	sig	chr20_63361179
chr8	42768543	42768543	+	4.115E-26	1.9235E-24	-0.25672	hypo	sig	chr8_42768543

chr10	93074835	93074835	+	4.124E-26	1.9276E-24	0.22505	hyper	sig	chr10_93074835
chr14	31966284	31966284	+	4.127E-26	1.9289E-24	-0.31561	hypo	sig	chr14_31966284
chr12	1.13E+08	113464997	+	4.14E-26	1.9348E-24	0.324068	hyper	sig	chr12_113464997
chr6	31572293	31572293	+	4.146E-26	1.9378E-24	0.252984	hyper	sig	chr6_31572293
chr2	2.22E+08	222298184	+	4.158E-26	1.943E-24	0.225139	hyper	sig	chr2_222298184
chr19	15010784	15010784	+	4.158E-26	1.9432E-24	0.348131	hyper	sig	chr19_15010784
chr19	40690005	40690005	+	4.167E-26	1.9471E-24	0.350346	hyper	sig	chr19_40690005
chr9	1.18E+08	117744974	+	4.174E-26	1.9504E-24	0.265086	hyper	sig	chr9_117744974
chr10	1.03E+08	103278018	+	4.177E-26	1.9514E-24	0.338523	hyper	sig	chr10_103278018
chr7	28411070	28411070	+	4.18E-26	1.9529E-24	0.274985	hyper	sig	chr7_28411070
chr10	1.19E+08	118595627	+	4.182E-26	1.9535E-24	0.340937	hyper	sig	chr10_118595627
chr3	1.82E+08	181726792	+	4.186E-26	1.9554E-24	0.283312	hyper	sig	chr3_181726792
chr15	88255482	88255482	+	4.195E-26	1.9592E-24	0.358442	hyper	sig	chr15_88255482
chr6	83853158	83853158	+	4.2E-26	1.9616E-24	0.267923	hyper	sig	chr6_83853158
chr7	35257425	35257425	+	4.202E-26	1.9623E-24	0.318766	hyper	sig	chr7_35257425
chr8	48923555	48923555	+	4.208E-26	1.9652E-24	-0.38937	hypo	sig	chr8_48923555
chr5	77638865	77638865	+	4.209E-26	1.9653E-24	0.301366	hyper	sig	chr5_77638865
chr5	1100294	1100294	+	4.217E-26	1.9691E-24	0.342163	hyper	sig	chr5_1100294
chr19	49133351	49133351	+	4.219E-26	1.9699E-24	0.33471	hyper	sig	chr19_49133351
chr5	3592403	3592403	+	4.221E-26	1.9705E-24	0.277256	hyper	sig	chr5_3592403
chr19	20661356	20661356	+	4.221E-26	1.9706E-24	0.287151	hyper	sig	chr19_20661356
chr8	71558692	71558692	+	4.23E-26	1.9747E-24	0.332891	hyper	sig	chr8_71558692
chr6	41100894	41100894	+	4.234E-26	1.9765E-24	0.301301	hyper	sig	chr6_41100894
chr1	1357296	1357296	+	4.237E-26	1.9778E-24	0.314736	hyper	sig	chr1_1357296
chr11	1.11E+08	111284226	+	4.241E-26	1.9796E-24	-0.31597	hypo	sig	chr11_111284226
chr16	86513613	86513613	+	4.242E-26	1.9796E-24	0.421637	hyper	sig	chr16_86513613
chr19	49133090	49133090	+	4.248E-26	1.9824E-24	0.474562	hyper	sig	chr19_49133090
chr2	2.33E+08	233060553	+	4.25E-26	1.9832E-24	-0.34231	hypo	sig	chr2_233060553
chr19	46412338	46412338	+	4.252E-26	1.9841E-24	0.344828	hyper	sig	chr19_46412338
chr6	84775160	84775160	+	4.254E-26	1.985E-24	0.361265	hyper	sig	chr6_84775160
chr1	14599496	14599496	+	4.259E-26	1.9873E-24	0.296164	hyper	sig	chr1_14599496
chr19	57477817	57477817	+	4.266E-26	1.9905E-24	0.233008	hyper	sig	chr19_57477817
chr16	1258177	1258177	+	4.267E-26	1.9907E-24	-0.33949	hypo	sig	chr16_1258177
chr19	37817747	37817747	+	4.268E-26	1.9909E-24	0.375663	hyper	sig	chr19_37817747
chr17	76537205	76537205	+	4.272E-26	1.9929E-24	0.381772	hyper	sig	chr17_76537205
chr1	20480867	20480867	+	4.295E-26	2.0034E-24	-0.32041	hypo	sig	chr1_20480867
chr4	4858355	4858355	+	4.299E-26	2.0052E-24	0.342924	hyper	sig	chr4_4858355
chr1	1.8E+08	179743212	+	4.31E-26	2.01E-24	0.245927	hyper	sig	chr1_179743212
chr5	1.35E+08	135490215	+	4.319E-26	2.0141E-24	0.270604	hyper	sig	chr5_135490215
chr2	66582125	66582125	+	4.323E-26	2.0162E-24	0.293009	hyper	sig	chr2_66582125
chr9	970594	970594	+	4.327E-26	2.0178E-24	0.30371	hyper	sig	chr9_970594
chr8	90791845	90791845	+	4.33E-26	2.019E-24	0.291157	hyper	sig	chr8_90791845
chr16	51153843	51153843	+	4.339E-26	2.0231E-24	0.31716	hyper	sig	chr16_51153843
chr8	1.16E+08	115648464	+	4.34E-26	2.0237E-24	0.338403	hyper	sig	chr8_115648464
chr2	27307559	27307559	+	4.342E-26	2.0243E-24	0.29106	hyper	sig	chr2_27307559
chr2	2.22E+08	222297058	+	4.342E-26	2.0243E-24	0.274049	hyper	sig	chr2_222297058
chr6	28814524	28814524	+	4.344E-26	2.0252E-24	0.290701	hyper	sig	chr6_28814524
chr10	23693458	23693458	+	4.345E-26	2.0256E-24	0.245126	hyper	sig	chr10_23693458
chr1	80050906	80050906	+	4.348E-26	2.0266E-24	-0.32765	hypo	sig	chr1_80050906
chr19	52369811	52369811	+	4.348E-26	2.0266E-24	0.241827	hyper	sig	chr19_52369811
chr13	1.12E+08	112067395	+	4.355E-26	2.0296E-24	0.270626	hyper	sig	chr13_112067395
chr4	1.64E+08	164383242	+	4.359E-26	2.0315E-24	0.303105	hyper	sig	chr4_164383242
chr2	1.42E+08	142130325	+	4.385E-26	2.0435E-24	0.254215	hyper	sig	chr2_142130325
chr5	42944143	42944143	+	4.391E-26	2.0461E-24	0.379812	hyper	sig	chr5_42944143
chr16	67185233	67185233	+	4.392E-26	2.0466E-24	0.320944	hyper	sig	chr16_67185233
chr1	1.44E+08	143661900	+	4.409E-26	2.0543E-24	0.280205	hyper	sig	chr1_143661900

chr20	37518909	37518909	+	4.42E-26	2.0591E-24	0.281655	hyper	sig	chr20_37518909
chr7	42493658	42493658	+	4.423E-26	2.0604E-24	0.270545	hyper	sig	chr7_42493658
chr1	12129766	12129766	+	4.426E-26	2.0618E-24	-0.25382	hypo	sig	chr1_12129766
chr15	23447401	23447401	+	4.428E-26	2.0626E-24	-0.42578	hypo	sig	chr15_23447401
chr6	27680562	27680562	+	4.459E-26	2.0768E-24	0.311974	hyper	sig	chr6_27680562
chr4	1.33E+08	133147403	+	4.465E-26	2.0796E-24	0.340267	hyper	sig	chr4_133147403
chr7	93043656	93043656	+	4.485E-26	2.0889E-24	0.334041	hyper	sig	chr7_93043656
chr3	1.38E+08	137764905	+	4.494E-26	2.0927E-24	0.255544	hyper	sig	chr3_137764905
chr20	43916449	43916449	+	4.496E-26	2.0934E-24	0.322192	hyper	sig	chr20_43916449
chr19	53058217	53058217	+	4.497E-26	2.0941E-24	0.437194	hyper	sig	chr19_53058217
chr20	3732859	3732859	+	4.499E-26	2.0947E-24	0.224216	hyper	sig	chr20_3732859
chr16	88410288	88410288	+	4.501E-26	2.0956E-24	-0.25606	hypo	sig	chr16_88410288
chr17	79234586	79234586	+	4.503E-26	2.0965E-24	-0.36614	hypo	sig	chr17_79234586
chr1	2.33E+08	232805430	+	4.511E-26	2.0999E-24	0.202826	hyper	sig	chr1_232805430
chr16	67884925	67884925	+	4.514E-26	2.1014E-24	0.360964	hyper	sig	chr16_67884925
chr13	1.13E+08	113322084	+	4.522E-26	2.1048E-24	0.316291	hyper	sig	chr13_113322084
chr13	1.08E+08	107868235	+	4.527E-26	2.1069E-24	0.311728	hyper	sig	chr13_107868235
chr20	23048409	23048409	+	4.528E-26	2.1074E-24	0.348483	hyper	sig	chr20_23048409
chr11	3435236	3435236	+	4.538E-26	2.112E-24	-0.33946	hypo	sig	chr11_3435236
chr1	38578540	38578540	+	4.541E-26	2.1133E-24	0.231452	hyper	sig	chr1_38578540
chr8	66963264	66963264	+	4.545E-26	2.115E-24	0.344228	hyper	sig	chr8_66963264
chr1	2.36E+08	236065494	+	4.548E-26	2.116E-24	0.270027	hyper	sig	chr1_236065494
chr6	42100350	42100350	+	4.548E-26	2.1161E-24	-0.31119	hypo	sig	chr6_42100350
chr7	49775118	49775118	+	4.555E-26	2.1192E-24	0.327292	hyper	sig	chr7_49775118
chr8	71842657	71842657	+	4.557E-26	2.12E-24	0.357383	hyper	sig	chr8_71842657
chr8	1.2E+08	120125256	+	4.56E-26	2.1211E-24	0.308311	hyper	sig	chr8_120125256
chr12	1.14E+08	114443932	+	4.561E-26	2.1218E-24	0.298122	hyper	sig	chr12_114443932
chr16	86496362	86496362	+	4.566E-26	2.1237E-24	0.289869	hyper	sig	chr16_86496362
chr1	47433990	47433990	+	4.567E-26	2.1243E-24	0.309975	hyper	sig	chr1_47433990
chr17	49564658	49564658	+	4.568E-26	2.1246E-24	-0.35057	hypo	sig	chr17_49564658
chr12	1.27E+08	126727870	+	4.571E-26	2.1256E-24	0.323828	hyper	sig	chr12_126727870
chr9	1.3E+08	129716082	+	4.582E-26	2.1307E-24	0.237838	hyper	sig	chr9_129716082
chr19	44757661	44757661	+	4.586E-26	2.1325E-24	0.400234	hyper	sig	chr19_44757661
chr17	65538240	65538240	+	4.591E-26	2.1348E-24	-0.31259	hypo	sig	chr17_65538240
chr1	2.43E+08	242523741	+	4.594E-26	2.136E-24	0.360745	hyper	sig	chr1_242523741
chr13	1.08E+08	108214786	+	4.598E-26	2.1376E-24	0.334807	hyper	sig	chr13_108214786
chr4	1.07E+08	107037318	+	4.598E-26	2.1376E-24	0.30588	hyper	sig	chr4_107037318
chr3	1.61E+08	161104852	+	4.601E-26	2.1391E-24	0.232551	hyper	sig	chr3_161104852
chr3	1.47E+08	147388828	+	4.606E-26	2.1411E-24	0.296699	hyper	sig	chr3_147388828
chr6	32052702	32052702	+	4.609E-26	2.1422E-24	-0.2319	hypo	sig	chr6_32052702
chr14	26205357	26205357	+	4.614E-26	2.1446E-24	0.341598	hyper	sig	chr14_26205357
chr2	1742861	1742861	+	4.619E-26	2.1467E-24	0.24147	hyper	sig	chr2_1742861
chr5	1.16E+08	115816807	+	4.619E-26	2.1467E-24	0.322557	hyper	sig	chr5_115816807
chr1	2.36E+08	235642423	+	4.621E-26	2.1476E-24	-0.31949	hypo	sig	chr1_235642423
chr3	62374040	62374040	+	4.637E-26	2.1549E-24	0.280745	hyper	sig	chr3_62374040
chr5	1.41E+08	141389525	+	4.64E-26	2.1558E-24	0.348537	hyper	sig	chr5_141389525
chr2	2.22E+08	221570631	+	4.643E-26	2.1571E-24	0.247146	hyper	sig	chr2_221570631
chr22	44172507	44172507	+	4.647E-26	2.1589E-24	-0.33604	hypo	sig	chr22_44172507
chr12	63151996	63151996	+	4.657E-26	2.1634E-24	0.300038	hyper	sig	chr12_63151996
chr16	88316118	88316118	+	4.658E-26	2.164E-24	-0.3319	hypo	sig	chr16_88316118
chr14	85532190	85532190	+	4.66E-26	2.1645E-24	0.232145	hyper	sig	chr14_85532190
chr11	30585848	30585848	+	4.673E-26	2.1705E-24	0.30944	hyper	sig	chr11_30585848
chr2	2.39E+08	239199639	+	4.675E-26	2.1715E-24	0.284244	hyper	sig	chr2_239199639
chr10	1.33E+08	133231334	+	4.687E-26	2.177E-24	0.255764	hyper	sig	chr10_133231334
chr2	1665133	1665133	+	4.691E-26	2.1785E-24	-0.28018	hypo	sig	chr2_1665133
chr5	1.5E+08	150303295	+	4.691E-26	2.1787E-24	0.335689	hyper	sig	chr5_150303295

chr3	1.96E+08	195803280	+	4.706E-26	2.1855E-24	0.305719	hyper	sig	chr3_195803280
chr20	43189232	43189232	+	4.716E-26	2.1898E-24	0.276287	hyper	sig	chr20_43189232
chr10	3288391	3288391	+	4.719E-26	2.1912E-24	-0.36773	hypo	sig	chr10_3288391
chr4	1.53E+08	153249438	+	4.723E-26	2.1929E-24	0.216892	hyper	sig	chr4_153249438
chr12	33075506	33075506	+	4.727E-26	2.1945E-24	-0.30008	hypo	sig	chr12_33075506
chr3	96815179	96815179	+	4.727E-26	2.1946E-24	0.257208	hyper	sig	chr3_96815179
chr12	1.15E+08	114697283	+	4.75E-26	2.2048E-24	0.264035	hyper	sig	chr12_114697283
chr6	1.66E+08	166009140	+	4.754E-26	2.2067E-24	0.279694	hyper	sig	chr6_166009140
chr15	22951875	22951875	+	4.758E-26	2.2084E-24	0.310429	hyper	sig	chr15_22951875
chr11	69818978	69818978	+	4.758E-26	2.2086E-24	0.29962	hyper	sig	chr11_69818978
chr2	1.21E+08	120868144	+	4.763E-26	2.2107E-24	0.295891	hyper	sig	chr2_120868144
chr8	64587352	64587352	+	4.765E-26	2.2114E-24	0.341541	hyper	sig	chr8_64587352
chr17	82968182	82968182	+	4.776E-26	2.2164E-24	0.291982	hyper	sig	chr17_82968182
chr11	1.04E+08	104163512	+	4.778E-26	2.2171E-24	0.292455	hyper	sig	chr11_104163512
chr10	1.32E+08	132138216	+	4.779E-26	2.2173E-24	-0.30285	hypo	sig	chr10_132138216
chr7	1.57E+08	157466129	+	4.785E-26	2.2202E-24	0.297447	hyper	sig	chr7_157466129
chr5	3590775	3590775	+	4.796E-26	2.225E-24	0.332982	hyper	sig	chr5_3590775
chr7	32070556	32070556	+	4.797E-26	2.2256E-24	0.354732	hyper	sig	chr7_32070556
chr12	1.32E+08	132329025	+	4.801E-26	2.227E-24	0.376563	hyper	sig	chr12_132329025
chr12	1.11E+08	111034197	+	4.805E-26	2.2288E-24	0.326951	hyper	sig	chr12_111034197
chr13	78595720	78595720	+	4.806E-26	2.2293E-24	0.27451	hyper	sig	chr13_78595720
chr8	1.41E+08	141170017	+	4.812E-26	2.232E-24	0.298401	hyper	sig	chr8_141170017
chr12	65826954	65826954	+	4.816E-26	2.2336E-24	-0.4025	hypo	sig	chr12_65826954
chr19	58059176	58059176	+	4.816E-26	2.2336E-24	0.377327	hyper	sig	chr19_58059176
chr13	29480294	29480294	+	4.819E-26	2.2347E-24	-0.39237	hypo	sig	chr13_29480294
chr4	41881179	41881179	+	4.837E-26	2.2429E-24	0.359256	hyper	sig	chr4_41881179
chr3	5095954	5095954	+	4.842E-26	2.2452E-24	0.294834	hyper	sig	chr3_5095954
chr10	3287517	3287517	+	4.844E-26	2.2461E-24	-0.3996	hypo	sig	chr10_3287517
chr8	23573535	23573535	+	4.854E-26	2.2505E-24	0.358089	hyper	sig	chr8_23573535
chr1	2174794	2174794	+	4.865E-26	2.2553E-24	0.32888	hyper	sig	chr1_2174794
chr13	76887200	76887200	+	4.868E-26	2.2565E-24	0.278756	hyper	sig	chr13_76887200
chr2	73292921	73292921	+	4.876E-26	2.2604E-24	0.288253	hyper	sig	chr2_73292921
chr8	1.31E+08	131041534	+	4.881E-26	2.2625E-24	0.34375	hyper	sig	chr8_131041534
chr8	2089951	2089951	+	4.883E-26	2.2631E-24	-0.36946	hypo	sig	chr8_2089951
chr12	29782965	29782965	+	4.885E-26	2.2641E-24	0.363215	hyper	sig	chr12_29782965
chr19	58002161	58002161	+	4.896E-26	2.269E-24	0.251389	hyper	sig	chr19_58002161
chr1	23826121	23826121	+	4.897E-26	2.2696E-24	-0.36925	hypo	sig	chr1_23826121
chr15	1.02E+08	101554432	+	4.898E-26	2.2699E-24	0.324883	hyper	sig	chr15_101554432
chr13	78595688	78595688	+	4.903E-26	2.272E-24	0.360488	hyper	sig	chr13_78595688
chr2	63055873	63055873	+	4.909E-26	2.2745E-24	0.280851	hyper	sig	chr2_63055873
chr3	1.28E+08	128483949	+	4.909E-26	2.2745E-24	0.275333	hyper	sig	chr3_128483949
chr16	57529538	57529538	+	4.924E-26	2.2812E-24	-0.29202	hypo	sig	chr16_57529538
chr6	1.1E+08	110357806	+	4.935E-26	2.2862E-24	0.352521	hyper	sig	chr6_110357806
chr2	96500733	96500733	+	4.947E-26	2.2916E-24	0.372075	hyper	sig	chr2_96500733
chr4	1.74E+08	173517874	+	4.954E-26	2.2948E-24	0.34016	hyper	sig	chr4_173517874
chr16	86511093	86511093	+	4.956E-26	2.2954E-24	0.262617	hyper	sig	chr16_86511093
chr1	1.65E+08	164576544	+	4.961E-26	2.2976E-24	0.357737	hyper	sig	chr1_164576544
chr7	1602227	1602227	+	4.964E-26	2.299E-24	-0.34131	hypo	sig	chr7_1602227
chr10	55628252	55628252	+	4.966E-26	2.2999E-24	0.247132	hyper	sig	chr10_55628252
chr12	1.04E+08	104303348	+	4.968E-26	2.3004E-24	0.295254	hyper	sig	chr12_104303348
chr2	1.37E+08	136766094	+	4.97E-26	2.3013E-24	0.334981	hyper	sig	chr2_136766094
chr5	55223256	55223256	+	4.98E-26	2.3058E-24	0.36442	hyper	sig	chr5_55223256
chr1	2E+08	200036126	+	4.983E-26	2.3073E-24	0.348353	hyper	sig	chr1_200036126
chr19	18464607	18464607	+	4.985E-26	2.308E-24	0.414393	hyper	sig	chr19_18464607
chr10	1.33E+08	132592005	+	4.986E-26	2.308E-24	-0.29857	hypo	sig	chr10_132592005
chr12	78864688	78864688	+	4.988E-26	2.3092E-24	0.261706	hyper	sig	chr12_78864688

chr11	65546568	65546568	+	4.992E-26	2.3108E-24	-0.24808	hypo	sig	chr11_65546568
chr2	8709838	8709838	+	5.01E-26	2.3189E-24	-0.36359	hypo	sig	chr2_8709838
chr20	43916026	43916026	+	5.016E-26	2.3214E-24	0.225376	hyper	sig	chr20_43916026
chr2	620106	620106	+	5.02E-26	2.3231E-24	-0.25873	hypo	sig	chr2_620106
chr6	1.5E+08	149964292	+	5.02E-26	2.3231E-24	0.243852	hyper	sig	chr6_149964292
chr12	72273606	72273606	+	5.027E-26	2.3264E-24	0.291982	hyper	sig	chr12_72273606
chr13	78595582	78595582	+	5.039E-26	2.3319E-24	0.303779	hyper	sig	chr13_78595582
chr7	24285397	24285397	+	5.042E-26	2.3329E-24	0.309747	hyper	sig	chr7_24285397
chr2	1.55E+08	154698908	+	5.044E-26	2.3338E-24	0.240798	hyper	sig	chr2_154698908
chr20	2804552	2804552	+	5.048E-26	2.3353E-24	0.296153	hyper	sig	chr20_2804552
chr1	3248078	3248078	+	5.056E-26	2.3391E-24	0.277668	hyper	sig	chr1_3248078
chr11	2140689	2140689	+	5.061E-26	2.3413E-24	0.298845	hyper	sig	chr11_2140689
chr9	1.22E+08	122220540	+	5.062E-26	2.3416E-24	0.369655	hyper	sig	chr9_122220540
chr13	1.12E+08	112069238	+	5.064E-26	2.3425E-24	0.304874	hyper	sig	chr13_112069238
chr11	59555865	59555865	+	5.065E-26	2.3427E-24	0.282821	hyper	sig	chr11_59555865
chr14	23388321	23388321	+	5.069E-26	2.3442E-24	-0.35284	hypo	sig	chr14_23388321
chr15	80778533	80778533	+	5.083E-26	2.3507E-24	-0.31423	hypo	sig	chr15_80778533
chr17	40779723	40779723	+	5.093E-26	2.3553E-24	0.293763	hyper	sig	chr17_40779723
chr3	13638146	13638146	+	5.095E-26	2.3561E-24	-0.30887	hypo	sig	chr3_13638146
chr10	79240115	79240115	+	5.096E-26	2.3564E-24	0.326976	hyper	sig	chr10_79240115
chr17	2796021	2796021	+	5.1E-26	2.358E-24	-0.26082	hypo	sig	chr17_2796021
chr1	1.62E+08	161621691	+	5.11E-26	2.3627E-24	0.245945	hyper	sig	chr1_161621691
chr2	63055745	63055745	+	5.111E-26	2.3628E-24	0.297329	hyper	sig	chr2_63055745
chr19	2491314	2491314	+	5.12E-26	2.3669E-24	-0.38123	hypo	sig	chr19_2491314
chr13	52848603	52848603	+	5.147E-26	2.3792E-24	0.256481	hyper	sig	chr13_52848603
chr8	96160252	96160252	+	5.156E-26	2.3832E-24	0.265292	hyper	sig	chr8_96160252
chr18	21243249	21243249	+	5.156E-26	2.3833E-24	0.265541	hyper	sig	chr18_21243249
chr1	2073783	2073783	+	5.163E-26	2.3862E-24	0.359656	hyper	sig	chr1_2073783
chr16	66487288	66487288	+	5.165E-26	2.387E-24	0.382454	hyper	sig	chr16_66487288
chr4	84482946	84482946	+	5.165E-26	2.387E-24	0.29549	hyper	sig	chr4_84482946
chr1	44638215	44638215	+	5.167E-26	2.3877E-24	0.288261	hyper	sig	chr1_44638215
chr2	1.72E+08	172108513	+	5.168E-26	2.3878E-24	0.329482	hyper	sig	chr2_172108513
chr16	54936550	54936550	+	5.169E-26	2.3882E-24	0.247121	hyper	sig	chr16_54936550
chr5	1.34E+08	134113788	+	5.173E-26	2.3899E-24	0.359363	hyper	sig	chr5_134113788
chr15	26774275	26774275	+	5.177E-26	2.3916E-24	0.301541	hyper	sig	chr15_26774275
chr6	50850468	50850468	+	5.184E-26	2.395E-24	0.282283	hyper	sig	chr6_50850468
chr3	52226148	52226148	+	5.187E-26	2.3962E-24	-0.33557	hypo	sig	chr3_52226148
chr19	48480371	48480371	+	5.193E-26	2.3985E-24	0.298443	hyper	sig	chr19_48480371
chr1	3651379	3651379	+	5.195E-26	2.3997E-24	0.266768	hyper	sig	chr1_3651379
chr2	63055845	63055845	+	5.201E-26	2.4023E-24	0.28409	hyper	sig	chr2_63055845
chr12	1.13E+08	113476085	+	5.208E-26	2.4051E-24	0.288566	hyper	sig	chr12_113476085
chr3	58440127	58440127	+	5.221E-26	2.4112E-24	-0.30646	hypo	sig	chr3_58440127
chr13	36297534	36297534	+	5.223E-26	2.412E-24	0.210899	hyper	sig	chr13_36297534
chr15	93071927	93071927	+	5.225E-26	2.4126E-24	0.277665	hyper	sig	chr15_93071927
chr2	1.45E+08	144527944	+	5.229E-26	2.4144E-24	-0.35936	hypo	sig	chr2_144527944
chr5	1.81E+08	181200973	+	5.231E-26	2.4154E-24	-0.3039	hypo	sig	chr5_181200973
chr1	16018059	16018059	+	5.239E-26	2.4189E-24	0.409438	hyper	sig	chr1_16018059
chr17	79183635	79183635	+	5.248E-26	2.4229E-24	0.319394	hyper	sig	chr17_79183635
chr13	36130904	36130904	+	5.255E-26	2.4259E-24	0.30975	hyper	sig	chr13_36130904
chr14	68628910	68628910	+	5.259E-26	2.4273E-24	-0.34936	hypo	sig	chr14_68628910
chr13	1.12E+08	112067845	+	5.263E-26	2.4293E-24	0.368805	hyper	sig	chr13_112067845
chr1	2.08E+08	207669918	+	5.267E-26	2.431E-24	0.265378	hyper	sig	chr1_207669918
chr10	21175367	21175367	+	5.27E-26	2.4323E-24	-0.29533	hypo	sig	chr10_21175367
chr19	57935402	57935402	+	5.277E-26	2.4352E-24	0.326637	hyper	sig	chr19_57935402
chr20	62476389	62476389	+	5.278E-26	2.4356E-24	0.372328	hyper	sig	chr20_62476389
chr3	1.3E+08	130010801	+	5.296E-26	2.4438E-24	-0.34632	hypo	sig	chr3_130010801

chr1	20553116	20553116	+	5.305E-26	2.4478E-24	0.344266	hyper	sig	chr1_20553116
chr11	64630535	64630535	+	5.323E-26	2.456E-24	0.327834	hyper	sig	chr11_64630535
chr19	6659939	6659939	+	5.329E-26	2.4586E-24	0.374222	hyper	sig	chr19_6659939
chr19	1295649	1295649	+	5.352E-26	2.469E-24	0.290075	hyper	sig	chr19_1295649
chr14	73719576	73719576	+	5.354E-26	2.4696E-24	0.248288	hyper	sig	chr14_73719576
chr6	50722953	50722953	+	5.36E-26	2.4721E-24	0.323128	hyper	sig	chr6_50722953
chr13	27923013	27923013	+	5.364E-26	2.474E-24	0.52617	hyper	sig	chr13_27923013
chr7	97020952	97020952	+	5.365E-26	2.4745E-24	0.368542	hyper	sig	chr7_97020952
chr5	1.56E+08	155728894	+	5.369E-26	2.4759E-24	0.275488	hyper	sig	chr5_155728894
chr3	1.41E+08	141095249	+	5.375E-26	2.4789E-24	0.308067	hyper	sig	chr3_141095249
chr1	9275820	9275820	+	5.381E-26	2.4812E-24	-0.33939	hypo	sig	chr1_9275820
chr13	1.12E+08	112105354	+	5.393E-26	2.4867E-24	0.457722	hyper	sig	chr13_112105354
chr22	44181217	44181217	+	5.394E-26	2.4869E-24	-0.30945	hypo	sig	chr22_44181217
chr2	2.07E+08	206642277	+	5.403E-26	2.4908E-24	0.395708	hyper	sig	chr2_206642277
chr8	48422455	48422455	+	5.408E-26	2.493E-24	-0.25745	hypo	sig	chr8_48422455
chr8	1.2E+08	120125894	+	5.424E-26	2.5006E-24	0.309157	hyper	sig	chr8_120125894
chr2	1.37E+08	136764731	+	5.426E-26	2.5014E-24	0.258002	hyper	sig	chr2_136764731
chr2	95022839	95022839	+	5.434E-26	2.5047E-24	-0.29715	hypo	sig	chr2_95022839
chr11	59555898	59555898	+	5.445E-26	2.5097E-24	0.27301	hyper	sig	chr11_59555898
chr7	47655147	47655147	+	5.449E-26	2.5113E-24	-0.25308	hypo	sig	chr7_47655147
chr11	17734375	17734375	+	5.455E-26	2.5138E-24	0.308465	hyper	sig	chr11_17734375
chr11	57647052	57647052	+	5.456E-26	2.5145E-24	0.245991	hyper	sig	chr11_57647052
chr16	87127265	87127265	+	5.461E-26	2.5163E-24	0.344163	hyper	sig	chr16_87127265
chr1	1.19E+08	119006197	+	5.461E-26	2.5164E-24	0.371688	hyper	sig	chr1_119006197
chr19	17331148	17331148	+	5.461E-26	2.5164E-24	-0.30698	hypo	sig	chr19_17331148
chr11	1.33E+08	133076797	+	5.462E-26	2.5165E-24	-0.33511	hypo	sig	chr11_133076797
chr17	7383826	7383826	+	5.479E-26	2.5242E-24	0.315291	hyper	sig	chr17_7383826
chr1	1.65E+08	164576567	+	5.48E-26	2.5245E-24	0.356898	hyper	sig	chr1_164576567
chr2	1.27E+08	126656411	+	5.482E-26	2.525E-24	0.356	hyper	sig	chr2_126656411
chr5	1.16E+08	115816601	+	5.482E-26	2.525E-24	0.3545	hyper	sig	chr5_115816601
chr8	1958293	1958293	+	5.491E-26	2.5289E-24	0.254464	hyper	sig	chr8_1958293
chr2	1.19E+08	118849854	+	5.493E-26	2.53E-24	0.300159	hyper	sig	chr2_118849854
chr8	1.04E+08	104467073	+	5.495E-26	2.5304E-24	0.316274	hyper	sig	chr8_104467073
chr7	2110368	2110368	+	5.501E-26	2.5331E-24	-0.38394	hypo	sig	chr7_2110368
chr1	9875473	9875473	+	5.506E-26	2.5355E-24	0.286837	hyper	sig	chr1_9875473
chr16	54934871	54934871	+	5.511E-26	2.5377E-24	0.334613	hyper	sig	chr16_54934871
chr2	71560694	71560694	+	5.513E-26	2.5384E-24	0.317692	hyper	sig	chr2_71560694
chr6	28825879	28825879	+	5.514E-26	2.5388E-24	0.289048	hyper	sig	chr6_28825879
chr19	36791567	36791567	+	5.537E-26	2.5489E-24	0.36749	hyper	sig	chr19_36791567
chr17	66830068	66830068	+	5.558E-26	2.5584E-24	0.310818	hyper	sig	chr17_66830068
chr15	34495735	34495735	+	5.569E-26	2.5633E-24	0.291476	hyper	sig	chr15_34495735
chr20	63361139	63361139	+	5.571E-26	2.5644E-24	0.360443	hyper	sig	chr20_63361139
chr17	8744717	8744717	+	5.598E-26	2.5766E-24	-0.25378	hypo	sig	chr17_8744717
chr2	2.42E+08	241852750	+	5.601E-26	2.5774E-24	-0.30094	hypo	sig	chr2_241852750
chr7	1156745	1156745	+	5.6E-26	2.5774E-24	-0.30422	hypo	sig	chr7_1156745
chr7	1733592	1733592	+	5.604E-26	2.5789E-24	-0.34147	hypo	sig	chr7_1733592
chr5	1.48E+08	147508898	+	5.609E-26	2.5808E-24	0.282622	hyper	sig	chr5_147508898
chr1	1.81E+08	181318643	+	5.609E-26	2.5809E-24	0.324785	hyper	sig	chr1_181318643
chr7	983360	983360	+	5.609E-26	2.5809E-24	0.289127	hyper	sig	chr7_983360
chr11	69295679	69295679	+	5.612E-26	2.5819E-24	-0.30681	hypo	sig	chr11_69295679
chr3	1.85E+08	184583361	+	5.624E-26	2.5875E-24	0.4584	hyper	sig	chr3_184583361
chr11	78675234	78675234	+	5.625E-26	2.5878E-24	-0.43047	hypo	sig	chr11_78675234
chr12	29150251	29150251	+	5.629E-26	2.5894E-24	-0.34384	hypo	sig	chr12_29150251
chr7	90118785	90118785	+	5.642E-26	2.5953E-24	0.247973	hyper	sig	chr7_90118785
chr13	1.11E+08	111305521	+	5.644E-26	2.596E-24	-0.31259	hypo	sig	chr13_111305521
chr10	1.3E+08	129951439	+	5.651E-26	2.5992E-24	-0.34563	hypo	sig	chr10_129951439

chr5	1.29E+08	128965537	+	5.661E-26	2.6034E-24	0.308527	hyper	sig	chr5_128965537
chr2	2.13E+08	212536820	+	5.664E-26	2.6049E-24	0.341375	hyper	sig	chr2_212536820
chr8	23573543	23573543	+	5.665E-26	2.6052E-24	0.352861	hyper	sig	chr8_23573543
chr15	96052948	96052948	+	5.669E-26	2.6068E-24	-0.30816	hypo	sig	chr15_96052948
chr6	1.68E+08	168002058	+	5.674E-26	2.6089E-24	-0.33294	hypo	sig	chr6_168002058
chr12	1.14E+08	114404202	+	5.682E-26	2.6122E-24	0.245475	hyper	sig	chr12_114404202
chr11	2335574	2335574	+	5.684E-26	2.6133E-24	-0.26178	hypo	sig	chr11_2335574
chr7	561633	561633	+	5.694E-26	2.6175E-24	0.27989	hyper	sig	chr7_561633
chr20	38728284	38728284	+	5.703E-26	2.6215E-24	0.455284	hyper	sig	chr20_38728284
chr11	1.06E+08	105610782	+	5.706E-26	2.6226E-24	0.287334	hyper	sig	chr11_105610782
chr11	1.08E+08	107929251	+	5.72E-26	2.6292E-24	0.229772	hyper	sig	chr11_107929251
chr16	85847956	85847956	+	5.732E-26	2.6341E-24	-0.26506	hypo	sig	chr16_85847956
chr19	475139	475139	+	5.732E-26	2.6341E-24	-0.36125	hypo	sig	chr19_475139
chr4	1.74E+08	173518761	+	5.749E-26	2.6419E-24	0.410029	hyper	sig	chr4_173518761
chr19	55087394	55087394	+	5.75E-26	2.6421E-24	0.266027	hyper	sig	chr19_55087394
chr2	44932524	44932524	+	5.75E-26	2.6421E-24	0.317068	hyper	sig	chr2_44932524
chr8	1958225	1958225	+	5.75E-26	2.6421E-24	0.29023	hyper	sig	chr8_1958225
chr8	48735175	48735175	+	5.753E-26	2.6431E-24	0.302237	hyper	sig	chr8_48735175
chr1	27351506	27351506	+	5.76E-26	2.6463E-24	0.33861	hyper	sig	chr1_27351506
chr11	1.34E+08	133955624	+	5.762E-26	2.6467E-24	0.261595	hyper	sig	chr11_133955624
chr4	1533946	1533946	+	5.762E-26	2.647E-24	0.323135	hyper	sig	chr4_1533946
chr8	42499353	42499353	+	5.766E-26	2.6483E-24	0.371547	hyper	sig	chr8_42499353
chr11	19714179	19714179	+	5.775E-26	2.6522E-24	0.267523	hyper	sig	chr11_19714179
chr6	1.52E+08	151807459	+	5.78E-26	2.6547E-24	0.24083	hyper	sig	chr6_151807459
chr8	60876511	60876511	+	5.784E-26	2.6563E-24	-0.37144	hypo	sig	chr8_60876511
chr5	45695183	45695183	+	5.788E-26	2.6581E-24	0.378868	hyper	sig	chr5_45695183
chr6	83709647	83709647	+	5.789E-26	2.6584E-24	0.347321	hyper	sig	chr6_83709647
chr17	40350139	40350139	+	5.801E-26	2.6635E-24	0.35981	hyper	sig	chr17_40350139
chr8	1.44E+08	143891736	+	5.802E-26	2.6641E-24	-0.29847	hypo	sig	chr8_143891736
chr7	71132522	71132522	+	5.809E-26	2.6671E-24	0.408892	hyper	sig	chr7_71132522
chr5	1.79E+08	179023573	+	5.81E-26	2.6672E-24	0.223016	hyper	sig	chr5_179023573
chr10	49397663	49397663	+	5.818E-26	2.6709E-24	0.338712	hyper	sig	chr10_49397663
chr10	1.28E+08	127737737	+	5.828E-26	2.6752E-24	0.301051	hyper	sig	chr10_127737737
chr17	76917337	76917337	+	5.837E-26	2.6793E-24	-0.33984	hypo	sig	chr17_76917337
chr5	1.35E+08	135490256	+	5.847E-26	2.6835E-24	0.266331	hyper	sig	chr5_135490256
chr15	89408821	89408821	+	5.851E-26	2.6852E-24	0.216874	hyper	sig	chr15_89408821
chr2	2.02E+08	202035738	+	5.856E-26	2.6873E-24	0.319703	hyper	sig	chr2_202035738
chr5	1.81E+08	181173909	+	5.862E-26	2.6902E-24	0.252352	hyper	sig	chr5_181173909
chr7	1226005	1226005	+	5.863E-26	2.6903E-24	0.333929	hyper	sig	chr7_1226005
chr15	84079891	84079891	+	5.866E-26	2.6916E-24	0.305582	hyper	sig	chr15_84079891
chr13	36430512	36430512	+	5.867E-26	2.6918E-24	0.311767	hyper	sig	chr13_36430512
chr2	96527901	96527901	+	5.889E-26	2.702E-24	0.327282	hyper	sig	chr2_96527901
chr17	45261760	45261760	+	5.89E-26	2.7022E-24	0.334329	hyper	sig	chr17_45261760
chr1	2.27E+08	226974098	+	5.902E-26	2.7075E-24	0.388192	hyper	sig	chr1_226974098
chr8	49741310	49741310	+	5.902E-26	2.7075E-24	-0.32012	hypo	sig	chr8_49741310
chr16	54936564	54936564	+	5.911E-26	2.7115E-24	0.253909	hyper	sig	chr16_54936564
chr6	31730921	31730921	+	5.921E-26	2.7156E-24	-0.29467	hypo	sig	chr6_31730921
chr7	27103765	27103765	+	5.925E-26	2.7174E-24	0.311236	hyper	sig	chr7_27103765
chr12	1820422	1820422	+	5.927E-26	2.7184E-24	0.257284	hyper	sig	chr12_1820422
chr13	27919179	27919179	+	5.933E-26	2.7207E-24	0.44005	hyper	sig	chr13_27919179
chr9	37026754	37026754	+	5.933E-26	2.7208E-24	0.352031	hyper	sig	chr9_37026754
chr15	22262749	22262749	+	5.934E-26	2.721E-24	-0.37567	hypo	sig	chr15_22262749
chr8	66962202	66962202	+	5.937E-26	2.7224E-24	0.297004	hyper	sig	chr8_66962202
chr16	1002547	1002547	+	5.947E-26	2.7268E-24	-0.34619	hypo	sig	chr16_1002547
chr12	1.31E+08	131000144	+	5.955E-26	2.7299E-24	-0.28096	hypo	sig	chr12_131000144
chr4	1.74E+08	173531399	+	5.963E-26	2.7338E-24	0.32909	hyper	sig	chr4_173531399

chr11	2534371	2534371	+	5.97E-26	2.7368E-24	-0.29403	hypo	sig	chr11_2534371
chr12	1.23E+08	122831233	+	5.971E-26	2.7368E-24	-0.29933	hypo	sig	chr12_122831233
chr9	1.22E+08	121699361	+	5.971E-26	2.7369E-24	0.257959	hyper	sig	chr9_121699361
chr18	21243082	21243082	+	5.972E-26	2.737E-24	0.224197	hyper	sig	chr18_21243082
chr9	1.37E+08	136985666	+	5.977E-26	2.7395E-24	0.304414	hyper	sig	chr9_136985666
chr6	10422194	10422194	+	5.98E-26	2.7407E-24	0.362362	hyper	sig	chr6_10422194
chr1	1.44E+08	143651582	+	5.982E-26	2.7415E-24	0.335729	hyper	sig	chr1_143651582
chr4	1.09E+08	109302641	+	5.992E-26	2.7455E-24	0.307113	hyper	sig	chr4_109302641
chr13	1.08E+08	107868649	+	5.993E-26	2.7458E-24	0.367574	hyper	sig	chr13_107868649
chr7	4203736	4203736	+	5.996E-26	2.7473E-24	-0.28583	hypo	sig	chr7_4203736
chr2	1.81E+08	181457121	+	5.998E-26	2.7481E-24	0.233617	hyper	sig	chr2_181457121
chr11	1.12E+08	112499865	+	6.005E-26	2.7507E-24	-0.31915	hypo	sig	chr11_112499865
chr20	30316174	30316174	+	6.014E-26	2.755E-24	0.403656	hyper	sig	chr20_30316174
chr19	53942197	53942197	+	6.019E-26	2.7571E-24	0.340691	hyper	sig	chr19_53942197
chr11	27721671	27721671	+	6.03E-26	2.7618E-24	0.293931	hyper	sig	chr11_27721671
chr19	52398097	52398097	+	6.05E-26	2.7708E-24	0.269683	hyper	sig	chr19_52398097
chr1	2.33E+08	232805481	+	6.056E-26	2.7733E-24	0.202473	hyper	sig	chr1_232805481
chr12	1.06E+08	106001213	+	6.056E-26	2.7733E-24	-0.27476	hypo	sig	chr12_106001213
chr16	15948907	15948907	+	6.057E-26	2.7735E-24	-0.34628	hypo	sig	chr16_15948907
chr7	18087319	18087319	+	6.057E-26	2.7735E-24	0.293074	hyper	sig	chr7_18087319
chr2	2.33E+08	233060600	+	6.061E-26	2.7751E-24	-0.40808	hypo	sig	chr2_233060600
chr21	44912153	44912153	+	6.064E-26	2.7766E-24	-0.29865	hypo	sig	chr21_44912153
chr11	15935984	15935984	+	6.08E-26	2.7838E-24	-0.33263	hypo	sig	chr11_15935984
chr5	1.46E+08	146338924	+	6.087E-26	2.7868E-24	0.285178	hyper	sig	chr5_146338924
chr13	78607857	78607857	+	6.089E-26	2.7868E-24	0.382031	hyper	sig	chr13_78607857
chr21	36707336	36707336	+	6.088E-26	2.7868E-24	0.306549	hyper	sig	chr21_36707336
chr5	1.46E+08	146338098	+	6.088E-26	2.7868E-24	0.231549	hyper	sig	chr5_146338098
chr5	1553109	1553109	+	6.091E-26	2.788E-24	0.295622	hyper	sig	chr5_1553109
chr3	44585031	44585031	+	6.097E-26	2.7904E-24	0.244758	hyper	sig	chr3_44585031
chr7	1.56E+08	155922473	+	6.1E-26	2.7917E-24	-0.29974	hypo	sig	chr7_155922473
chr12	1.15E+08	114696842	+	6.105E-26	2.7937E-24	0.380344	hyper	sig	chr12_114696842
chr5	68290387	68290387	+	6.107E-26	2.7943E-24	0.369944	hyper	sig	chr5_68290387
chr19	19861041	19861041	+	6.112E-26	2.7965E-24	0.274948	hyper	sig	chr19_19861041
chr3	42936368	42936368	+	6.114E-26	2.7974E-24	0.267065	hyper	sig	chr3_42936368
chr7	25859541	25859541	+	6.114E-26	2.7974E-24	-0.33439	hypo	sig	chr7_25859541
chr15	28191996	28191996	+	6.116E-26	2.7981E-24	0.308574	hyper	sig	chr15_28191996
chr3	1.35E+08	134648236	+	6.12E-26	2.7997E-24	-0.32988	hypo	sig	chr3_134648236
chr5	2094354	2094354	+	6.128E-26	2.803E-24	-0.33576	hypo	sig	chr5_2094354
chr2	58428976	58428976	+	6.129E-26	2.8034E-24	0.372455	hyper	sig	chr2_58428976
chr2	1.64E+08	163736061	+	6.137E-26	2.8066E-24	0.314891	hyper	sig	chr2_163736061
chr11	1.3E+08	129743759	+	6.157E-26	2.8156E-24	-0.38053	hypo	sig	chr11_129743759
chr8	24914747	24914747	+	6.157E-26	2.8156E-24	0.26332	hyper	sig	chr8_24914747
chr19	58350145	58350145	+	6.162E-26	2.8174E-24	0.330427	hyper	sig	chr19_58350145
chr20	63426238	63426238	+	6.17E-26	2.8209E-24	-0.39835	hypo	sig	chr20_63426238
chr12	1.31E+08	130711941	+	6.178E-26	2.8248E-24	-0.33894	hypo	sig	chr12_130711941
chr2	96859056	96859056	+	6.186E-26	2.828E-24	0.32366	hyper	sig	chr2_96859056
chr15	37098122	37098122	+	6.201E-26	2.8348E-24	0.354328	hyper	sig	chr15_37098122
chr20	30891855	30891855	+	6.201E-26	2.8348E-24	0.382177	hyper	sig	chr20_30891855
chr2	1.19E+08	119159079	+	6.215E-26	2.8407E-24	0.291055	hyper	sig	chr2_119159079
chr17	64778992	64778992	+	6.218E-26	2.8423E-24	0.352399	hyper	sig	chr17_64778992
chr2	1.28E+08	127682700	+	6.238E-26	2.8511E-24	0.331092	hyper	sig	chr2_127682700
chr7	27103846	27103846	+	6.269E-26	2.8652E-24	0.341213	hyper	sig	chr7_27103846
chr19	56368074	56368074	+	6.27E-26	2.8653E-24	0.309142	hyper	sig	chr19_56368074
chr12	52948021	52948021	+	6.28E-26	2.8698E-24	-0.31436	hypo	sig	chr12_52948021
chr11	20670567	20670567	+	6.286E-26	2.8722E-24	0.393014	hyper	sig	chr11_20670567
chr12	4911545	4911545	+	6.288E-26	2.8729E-24	0.36288	hyper	sig	chr12_4911545

chr1	20553047	20553047	+	6.331E-26	2.8924E-24	0.342417	hyper	sig	chr1_20553047
chr7	1E+08	100430802	+	6.347E-26	2.8998E-24	0.265474	hyper	sig	chr7_100430802
chr3	1.47E+08	147411186	+	6.357E-26	2.9038E-24	0.369968	hyper	sig	chr3_147411186
chr1	27403488	27403488	+	6.366E-26	2.9078E-24	0.324941	hyper	sig	chr1_27403488
chr20	58514905	58514905	+	6.373E-26	2.911E-24	0.34237	hyper	sig	chr20_58514905
chr7	42493620	42493620	+	6.383E-26	2.915E-24	0.243983	hyper	sig	chr7_42493620
chr8	37965907	37965907	+	6.382E-26	2.915E-24	0.211482	hyper	sig	chr8_37965907
chr10	1.01E+08	101236514	+	6.407E-26	2.9258E-24	0.287538	hyper	sig	chr10_101236514
chr19	10817882	10817882	+	6.421E-26	2.9323E-24	0.26306	hyper	sig	chr19_10817882
chr4	1.85E+08	185018870	+	6.422E-26	2.9323E-24	0.276967	hyper	sig	chr4_185018870
chr18	13138011	13138011	+	6.422E-26	2.9324E-24	-0.33154	hypo	sig	chr18_13138011
chr5	1.81E+08	181100616	+	6.428E-26	2.9349E-24	0.308008	hyper	sig	chr5_181100616
chr2	86036136	86036136	+	6.444E-26	2.9419E-24	0.352617	hyper	sig	chr2_86036136
chr20	671619	671619	+	6.459E-26	2.9485E-24	-0.36084	hypo	sig	chr20_671619
chr12	53945102	53945102	+	6.46E-26	2.9492E-24	0.290183	hyper	sig	chr12_53945102
chr11	71206572	71206572	+	6.476E-26	2.9561E-24	0.412744	hyper	sig	chr11_71206572
chr20	46513685	46513685	+	6.485E-26	2.96E-24	0.289689	hyper	sig	chr20_46513685
chr3	1.4E+08	139539863	+	6.503E-26	2.968E-24	0.215168	hyper	sig	chr3_139539863
chr7	781633	781633	+	6.514E-26	2.9727E-24	0.254427	hyper	sig	chr7_781633
chr6	1.69E+08	169023308	+	6.515E-26	2.9732E-24	-0.28802	hypo	sig	chr6_169023308
chr11	1351449	1351449	+	6.537E-26	2.9829E-24	-0.32234	hypo	sig	chr11_1351449
chr3	44021864	44021864	+	6.54E-26	2.9843E-24	0.269302	hyper	sig	chr3_44021864
chr6	37649027	37649027	+	6.544E-26	2.986E-24	0.38521	hyper	sig	chr6_37649027
chr1	12150687	12150687	+	6.546E-26	2.9866E-24	-0.34281	hypo	sig	chr1_12150687
chr7	8443619	8443619	+	6.557E-26	2.9913E-24	0.434865	hyper	sig	chr7_8443619
chr1	2074014	2074014	+	6.561E-26	2.9929E-24	0.345144	hyper	sig	chr1_2074014
chr7	1235644	1235644	+	6.566E-26	2.9953E-24	0.353023	hyper	sig	chr7_1235644
chr16	15145777	15145777	+	6.576E-26	2.9998E-24	0.398114	hyper	sig	chr16_15145777
chr4	1.09E+08	109302200	+	6.58E-26	3.0014E-24	0.292933	hyper	sig	chr4_109302200
chr6	1.06E+08	105993041	+	6.583E-26	3.0027E-24	0.300624	hyper	sig	chr6_105993041
chr7	45921690	45921690	+	6.595E-26	3.0076E-24	0.315301	hyper	sig	chr7_45921690
chr4	4226483	4226483	+	6.602E-26	3.0107E-24	0.253322	hyper	sig	chr4_4226483
chr6	73361967	73361967	+	6.603E-26	3.0112E-24	-0.3651	hypo	sig	chr6_73361967
chr4	1.47E+08	146637315	+	6.605E-26	3.0119E-24	0.375884	hyper	sig	chr4_146637315
chr17	41583272	41583272	+	6.609E-26	3.0131E-24	-0.31477	hypo	sig	chr17_41583272
chr19	57935091	57935091	+	6.608E-26	3.0131E-24	0.363063	hyper	sig	chr19_57935091
chr5	1.59E+08	159104503	+	6.613E-26	3.015E-24	0.44262	hyper	sig	chr5_159104503
chr5	1.71E+08	171308770	+	6.62E-26	3.0179E-24	0.300915	hyper	sig	chr5_171308770
chr7	2104231	2104231	+	6.624E-26	3.0196E-24	0.377583	hyper	sig	chr7_2104231
chr22	36322428	36322428	+	6.625E-26	3.0198E-24	0.28178	hyper	sig	chr22_36322428
chr19	38263889	38263889	+	6.626E-26	3.0204E-24	-0.3358	hypo	sig	chr19_38263889
chr12	1.04E+08	104050622	+	6.64E-26	3.0264E-24	0.330883	hyper	sig	chr12_104050622
chr12	1.3E+08	130336911	+	6.644E-26	3.0279E-24	-0.32124	hypo	sig	chr12_130336911
chr4	1.07E+08	107037415	+	6.66E-26	3.0352E-24	0.234455	hyper	sig	chr4_107037415
chr1	47445284	47445284	+	6.662E-26	3.0359E-24	0.230118	hyper	sig	chr1_47445284
chr16	2130121	2130121	+	6.669E-26	3.0388E-24	0.362372	hyper	sig	chr16_2130121
chr1	1.44E+08	143652837	+	6.67E-26	3.0395E-24	0.424399	hyper	sig	chr1_143652837
chr8	1.41E+08	141207306	+	6.673E-26	3.0402E-24	-0.34448	hypo	sig	chr8_141207306
chr8	26051783	26051783	+	6.675E-26	3.0414E-24	0.272668	hyper	sig	chr8_26051783
chr1	2.25E+08	225484190	+	6.679E-26	3.0427E-24	0.287607	hyper	sig	chr1_225484190
chr3	196635	196635	+	6.686E-26	3.0459E-24	0.290104	hyper	sig	chr3_196635
chr19	58098380	58098380	+	6.69E-26	3.0474E-24	0.21283	hyper	sig	chr19_58098380
chr19	55364237	55364237	+	6.698E-26	3.0511E-24	-0.33081	hypo	sig	chr19_55364237
chr3	75655862	75655862	+	6.699E-26	3.0513E-24	0.388451	hyper	sig	chr3_75655862
chr22	46661494	46661494	+	6.705E-26	3.0541E-24	-0.38286	hypo	sig	chr22_46661494
chr8	1.43E+08	143265048	+	6.71E-26	3.0559E-24	-0.32509	hypo	sig	chr8_143265048

chr5	1.71E+08	170501871	+	6.714E-26	3.0576E-24	-0.39707	hypo	sig	chr5_170501871
chr9	1.27E+08	127122669	+	6.718E-26	3.0594E-24	0.374765	hyper	sig	chr9_127122669
chr6	1.61E+08	160679568	+	6.722E-26	3.0608E-24	0.330559	hyper	sig	chr6_160679568
chr1	15756643	15756643	+	6.723E-26	3.0613E-24	-0.25054	hypo	sig	chr1_15756643
chr1	1.65E+08	165355223	+	6.725E-26	3.0619E-24	0.362801	hyper	sig	chr1_165355223
chr18	37565398	37565398	+	6.728E-26	3.0631E-24	0.238753	hyper	sig	chr18_37565398
chr7	1556581	1556581	+	6.742E-26	3.0692E-24	-0.28943	hypo	sig	chr7_1556581
chr2	2.19E+08	219418451	+	6.743E-26	3.0698E-24	0.342153	hyper	sig	chr2_219418451
chr17	79981722	79981722	+	6.754E-26	3.0744E-24	0.299365	hyper	sig	chr17_79981722
chr17	64778961	64778961	+	6.76E-26	3.0769E-24	0.341819	hyper	sig	chr17_64778961
chr20	21713697	21713697	+	6.766E-26	3.0796E-24	0.356013	hyper	sig	chr20_21713697
chr14	85531439	85531439	+	6.773E-26	3.0824E-24	0.32334	hyper	sig	chr14_85531439
chr1	1.44E+08	143839178	+	6.775E-26	3.0833E-24	0.312584	hyper	sig	chr1_143839178
chr12	1.33E+08	132837861	+	6.785E-26	3.0876E-24	0.329379	hyper	sig	chr12_132837861
chr5	1.19E+08	119355407	+	6.787E-26	3.0883E-24	-0.29422	hypo	sig	chr5_119355407
chr9	841383	841383	+	6.787E-26	3.0883E-24	0.255838	hyper	sig	chr9_841383
chr17	65563783	65563783	+	6.789E-26	3.0888E-24	-0.32463	hypo	sig	chr17_65563783
chr6	32201873	32201873	+	6.789E-26	3.0888E-24	-0.28518	hypo	sig	chr6_32201873
chr3	1.93E+08	192514326	+	6.795E-26	3.0913E-24	0.368494	hyper	sig	chr3_192514326
chr13	1.14E+08	114140243	+	6.81E-26	3.0981E-24	-0.38738	hypo	sig	chr13_114140243
chr12	6778353	6778353	+	6.815E-26	3.1001E-24	0.32302	hyper	sig	chr12_6778353
chr2	24919406	24919406	+	6.82E-26	3.1023E-24	-0.2226	hypo	sig	chr2_24919406
chr8	1.44E+08	143974195	+	6.821E-26	3.1024E-24	0.225083	hyper	sig	chr8_143974195
chr6	26744042	26744042	+	6.827E-26	3.105E-24	0.336595	hyper	sig	chr6_26744042
chr2	1.39E+08	138780168	+	6.844E-26	3.1122E-24	0.302899	hyper	sig	chr2_138780168
chr11	10295317	10295317	+	6.861E-26	3.1198E-24	-0.21939	hypo	sig	chr11_10295317
chr4	5890280	5890280	+	6.862E-26	3.1204E-24	0.322526	hyper	sig	chr4_5890280
chr1	1.48E+08	148310234	+	6.881E-26	3.1286E-24	0.359207	hyper	sig	chr1_148310234
chr4	1.74E+08	173519447	+	6.895E-26	3.1349E-24	0.337335	hyper	sig	chr4_173519447
chr2	1.61E+08	160647340	+	6.901E-26	3.1375E-24	-0.31017	hypo	sig	chr2_160647340
chr1	30903565	30903565	+	6.907E-26	3.1398E-24	0.368471	hyper	sig	chr1_30903565
chr20	62761413	62761413	+	6.935E-26	3.1525E-24	0.345786	hyper	sig	chr20_62761413
chr19	53058689	53058689	+	6.956E-26	3.1618E-24	0.28878	hyper	sig	chr19_53058689
chr8	53878213	53878213	+	6.968E-26	3.1673E-24	0.363687	hyper	sig	chr8_53878213
chr6	29793090	29793090	+	6.988E-26	3.1762E-24	0.268633	hyper	sig	chr6_29793090
chr20	46059084	46059084	+	7.004E-26	3.1832E-24	0.453229	hyper	sig	chr20_46059084
chr16	1941341	1941341	+	7.005E-26	3.1835E-24	-0.29192	hypo	sig	chr16_1941341
chr17	79803850	79803850	+	7.025E-26	3.1922E-24	0.221965	hyper	sig	chr17_79803850
chr5	1.8E+08	179605531	+	7.036E-26	3.197E-24	0.331924	hyper	sig	chr5_179605531
chr22	20207024	20207024	+	7.049E-26	3.2026E-24	-0.2221	hypo	sig	chr22_20207024
chr19	36973241	36973241	+	7.058E-26	3.2066E-24	0.281724	hyper	sig	chr19_36973241
chr4	1.25E+08	125316216	+	7.058E-26	3.2066E-24	0.2925	hyper	sig	chr4_125316216
chr2	27308503	27308503	+	7.081E-26	3.2167E-24	0.304946	hyper	sig	chr2_27308503
chr16	152312	152312	+	7.086E-26	3.2189E-24	-0.28804	hypo	sig	chr16_152312
chr11	34155547	34155547	+	7.101E-26	3.2256E-24	0.341263	hyper	sig	chr11_34155547
chr15	93412893	93412893	+	7.109E-26	3.2289E-24	-0.38501	hypo	sig	chr15_93412893
chr19	51949161	51949161	+	7.128E-26	3.2374E-24	0.302744	hyper	sig	chr19_51949161
chr5	3607005	3607005	+	7.131E-26	3.2387E-24	0.365771	hyper	sig	chr5_3607005
chr19	36331619	36331619	+	7.137E-26	3.2411E-24	0.31087	hyper	sig	chr19_36331619
chr2	96859177	96859177	+	7.143E-26	3.2435E-24	0.327639	hyper	sig	chr2_96859177
chr12	1.33E+08	132908080	+	7.147E-26	3.2455E-24	0.293804	hyper	sig	chr12_132908080
chr13	25046806	25046806	+	7.148E-26	3.2456E-24	0.329747	hyper	sig	chr13_25046806
chr13	25171681	25171681	+	7.16E-26	3.2508E-24	0.33135	hyper	sig	chr13_25171681
chr11	30584012	30584012	+	7.165E-26	3.2529E-24	0.376084	hyper	sig	chr11_30584012
chr3	68007821	68007821	+	7.169E-26	3.2545E-24	0.3281	hyper	sig	chr3_68007821
chr15	82662700	82662700	+	7.171E-26	3.2555E-24	-0.38149	hypo	sig	chr15_82662700

chr5	1.36E+08	135930827	+	7.176E-26	3.2573E-24	0.322778	hyper	sig	chr5_135930827
chr11	1.19E+08	118971752	+	7.185E-26	3.2613E-24	0.357227	hyper	sig	chr11_118971752
chr2	44932755	44932755	+	7.195E-26	3.2659E-24	0.377254	hyper	sig	chr2_44932755
chr22	49671392	49671392	+	7.198E-26	3.2666E-24	0.309986	hyper	sig	chr22_49671392
chr16	77788874	77788874	+	7.205E-26	3.27E-24	0.337064	hyper	sig	chr16_77788874
chr9	1.29E+08	129480314	+	7.209E-26	3.2713E-24	0.303235	hyper	sig	chr9_129480314
chr1	40132709	40132709	+	7.215E-26	3.2738E-24	0.307388	hyper	sig	chr1_40132709
chr12	1.27E+08	126727903	+	7.221E-26	3.2767E-24	0.295983	hyper	sig	chr12_126727903
chr12	54110587	54110587	+	7.222E-26	3.2769E-24	-0.34109	hypo	sig	chr12_54110587
chr11	90134687	90134687	+	7.231E-26	3.2806E-24	0.273768	hyper	sig	chr11_90134687
chr13	1.11E+08	110628797	+	7.231E-26	3.2806E-24	0.288465	hyper	sig	chr13_110628797
chr2	2.38E+08	238494370	+	7.234E-26	3.2817E-24	-0.31278	hypo	sig	chr2_238494370
chr2	1.05E+08	104856670	+	7.24E-26	3.2842E-24	0.294513	hyper	sig	chr2_104856670
chr3	1.38E+08	137769726	+	7.245E-26	3.2865E-24	0.270898	hyper	sig	chr3_137769726
chr17	6894389	6894389	+	7.255E-26	3.2906E-24	0.269494	hyper	sig	chr17_6894389
chr2	58428967	58428967	+	7.261E-26	3.2931E-24	0.388965	hyper	sig	chr2_58428967
chr1	3012057	3012057	+	7.282E-26	3.3028E-24	0.347213	hyper	sig	chr1_3012057
chr1	1.58E+08	158331248	+	7.287E-26	3.3047E-24	-0.32708	hypo	sig	chr1_158331248
chr7	1.51E+08	151012430	+	7.3E-26	3.3103E-24	-0.37232	hypo	sig	chr7_151012430
chr3	1.7E+08	169665504	+	7.303E-26	3.3113E-24	0.359287	hyper	sig	chr3_169665504
chr9	1.37E+08	137054545	+	7.326E-26	3.3217E-24	-0.30543	hypo	sig	chr9_137054545
chr13	1.12E+08	112073898	+	7.329E-26	3.3228E-24	0.288283	hyper	sig	chr13_112073898
chr8	64370770	64370770	+	7.335E-26	3.3257E-24	0.326379	hyper	sig	chr8_64370770
chr7	37449292	37449292	+	7.351E-26	3.3326E-24	0.218027	hyper	sig	chr7_37449292
chr16	68642642	68642642	+	7.356E-26	3.3345E-24	0.344641	hyper	sig	chr16_68642642
chr2	38515701	38515701	+	7.357E-26	3.3347E-24	0.305725	hyper	sig	chr2_38515701
chr1	1.65E+08	164576539	+	7.358E-26	3.3352E-24	0.358163	hyper	sig	chr1_164576539
chr2	26693672	26693672	+	7.384E-26	3.3469E-24	0.281435	hyper	sig	chr2_26693672
chr2	2.06E+08	206274473	+	7.388E-26	3.3484E-24	0.221465	hyper	sig	chr2_206274473
chr2	2.22E+08	222303856	+	7.392E-26	3.35E-24	0.316033	hyper	sig	chr2_222303856
chr19	49133313	49133313	+	7.426E-26	3.3652E-24	0.323324	hyper	sig	chr19_49133313
chr5	1.79E+08	178502795	+	7.435E-26	3.3692E-24	-0.29732	hypo	sig	chr5_178502795
chr12	6556204	6556204	+	7.438E-26	3.3701E-24	0.287443	hyper	sig	chr12_6556204
chr1	2.29E+08	229407348	+	7.45E-26	3.3754E-24	0.385918	hyper	sig	chr1_229407348
chr5	1.41E+08	141366063	+	7.458E-26	3.3792E-24	0.339441	hyper	sig	chr5_141366063
chr6	1.5E+08	150037839	+	7.462E-26	3.3806E-24	0.235555	hyper	sig	chr6_150037839
chr7	1.59E+08	159144405	+	7.468E-26	3.383E-24	0.282292	hyper	sig	chr7_159144405
chr8	84184922	84184922	+	7.468E-26	3.383E-24	0.32299	hyper	sig	chr8_84184922
chr6	1.08E+08	108167131	+	7.481E-26	3.3887E-24	0.316976	hyper	sig	chr6_108167131
chr19	3344244	3344244	+	7.509E-26	3.4013E-24	-0.28088	hypo	sig	chr19_3344244
chr19	36421812	36421812	+	7.512E-26	3.4022E-24	0.33257	hyper	sig	chr19_36421812
chr2	5693000	5693000	+	7.518E-26	3.4047E-24	0.331133	hyper	sig	chr2_5693000
chr16	62036402	62036402	+	7.52E-26	3.4057E-24	0.279259	hyper	sig	chr16_62036402
chr5	1.79E+08	178954934	+	7.524E-26	3.407E-24	-0.37876	hypo	sig	chr5_178954934
chr1	26284867	26284867	+	7.537E-26	3.4127E-24	-0.20002	hypo	sig	chr1_26284867
chr11	1.06E+08	105610768	+	7.537E-26	3.4127E-24	0.277708	hyper	sig	chr11_105610768
chr22	46085039	46085039	+	7.538E-26	3.4131E-24	-0.32614	hypo	sig	chr22_46085039
chr6	1.33E+08	133242705	+	7.551E-26	3.4188E-24	0.319958	hyper	sig	chr6_133242705
chr12	1.22E+08	121767703	+	7.562E-26	3.4236E-24	0.30544	hyper	sig	chr12_121767703
chr22	45212811	45212811	+	7.565E-26	3.4245E-24	0.36962	hyper	sig	chr22_45212811
chr14	91352153	91352153	+	7.57E-26	3.4265E-24	0.303417	hyper	sig	chr14_91352153
chr5	1.75E+08	174732085	+	7.579E-26	3.4304E-24	0.298648	hyper	sig	chr5_174732085
chr19	30453599	30453599	+	7.58E-26	3.4308E-24	-0.30113	hypo	sig	chr19_30453599
chr16	6020277	6020277	+	7.587E-26	3.4336E-24	0.304648	hyper	sig	chr16_6020277
chr16	1230538	1230538	+	7.589E-26	3.4343E-24	-0.33392	hypo	sig	chr16_1230538
chr13	27821201	27821201	+	7.593E-26	3.4361E-24	0.436552	hyper	sig	chr13_27821201

chr4	1.41E+08	141132502	+	7.594E-26	3.4364E-24	0.226616	hyper	sig	chr4_141132502
chr2	10835173	10835173	+	7.595E-26	3.4365E-24	-0.33043	hypo	sig	chr2_10835173
chr8	38318176	38318176	+	7.6E-26	3.4385E-24	0.242481	hyper	sig	chr8_38318176
chr21	26967392	26967392	+	7.604E-26	3.4403E-24	0.219345	hyper	sig	chr21_26967392
chr1	2E+08	200034214	+	7.62E-26	3.4474E-24	0.316158	hyper	sig	chr1_200034214
chr4	41881132	41881132	+	7.622E-26	3.4479E-24	0.3173	hyper	sig	chr4_41881132
chr16	2124744	2124744	+	7.623E-26	3.4481E-24	0.349025	hyper	sig	chr16_2124744
chr15	89367919	89367919	+	7.624E-26	3.4485E-24	0.30588	hyper	sig	chr15_89367919
chr6	28443662	28443662	+	7.632E-26	3.4519E-24	0.219097	hyper	sig	chr6_28443662
chr6	42727296	42727296	+	7.654E-26	3.4619E-24	0.405984	hyper	sig	chr6_42727296
chr3	94937829	94937829	+	7.665E-26	3.4665E-24	-0.28733	hypo	sig	chr3_94937829
chr19	57099564	57099564	+	7.72E-26	3.4911E-24	0.43331	hyper	sig	chr19_57099564
chr12	1.03E+08	102958668	+	7.723E-26	3.4923E-24	0.228271	hyper	sig	chr12_102958668
chr11	15073996	15073996	+	7.725E-26	3.4932E-24	0.2657	hyper	sig	chr11_15073996
chr12	1.15E+08	114697364	+	7.755E-26	3.5064E-24	0.308725	hyper	sig	chr12_114697364
chr19	57709092	57709092	+	7.771E-26	3.5135E-24	0.306864	hyper	sig	chr19_57709092
chr19	19514537	19514537	+	7.773E-26	3.5141E-24	0.332461	hyper	sig	chr19_19514537
chr6	33080955	33080955	+	7.774E-26	3.5146E-24	0.462475	hyper	sig	chr6_33080955
chr6	27268090	27268090	+	7.776E-26	3.5151E-24	0.292358	hyper	sig	chr6_27268090
chr12	1.32E+08	132078034	+	7.788E-26	3.5206E-24	0.20647	hyper	sig	chr12_132078034
chr7	97007329	97007329	+	7.79E-26	3.521E-24	0.303598	hyper	sig	chr7_97007329
chr11	72013301	72013301	+	7.791E-26	3.5215E-24	0.289812	hyper	sig	chr11_72013301
chr8	54467665	54467665	+	7.792E-26	3.5215E-24	0.314694	hyper	sig	chr8_54467665
chr19	54339173	54339173	+	7.816E-26	3.5323E-24	-0.40084	hypo	sig	chr19_54339173
chr12	1.1E+08	109833710	+	7.818E-26	3.5329E-24	0.361663	hyper	sig	chr12_109833710
chr6	31730945	31730945	+	7.82E-26	3.5336E-24	-0.30052	hypo	sig	chr6_31730945
chr3	10816036	10816036	+	7.833E-26	3.5394E-24	0.401472	hyper	sig	chr3_10816036
chr22	25027486	25027486	+	7.85E-26	3.5465E-24	-0.34159	hypo	sig	chr22_25027486
chr7	42493854	42493854	+	7.852E-26	3.5473E-24	0.214056	hyper	sig	chr7_42493854
chr2	2189795	2189795	+	7.867E-26	3.5538E-24	-0.24858	hypo	sig	chr2_2189795
chr3	1.41E+08	141052160	+	7.88E-26	3.5596E-24	0.307671	hyper	sig	chr3_141052160
chr20	17962788	17962788	+	7.884E-26	3.561E-24	-0.28234	hypo	sig	chr20_17962788
chr17	41521855	41521855	+	7.905E-26	3.5705E-24	-0.23916	hypo	sig	chr17_41521855
chr19	52397703	52397703	+	7.908E-26	3.5716E-24	0.257697	hyper	sig	chr19_52397703
chr5	1.42E+08	141751062	+	7.914E-26	3.5741E-24	-0.29605	hypo	sig	chr5_141751062
chr7	24284221	24284221	+	7.924E-26	3.5784E-24	0.360267	hyper	sig	chr7_24284221
chr1	1.19E+08	118987383	+	7.926E-26	3.5791E-24	0.336847	hyper	sig	chr1_118987383
chr8	96159406	96159406	+	7.959E-26	3.594E-24	0.381077	hyper	sig	chr8_96159406
chr2	2.18E+08	218354900	+	7.964E-26	3.596E-24	-0.34819	hypo	sig	chr2_218354900
chr14	36663274	36663274	+	7.969E-26	3.5979E-24	0.2724	hyper	sig	chr14_36663274
chr11	19869018	19869018	+	8.001E-26	3.6124E-24	0.270279	hyper	sig	chr11_19869018
chr6	1.69E+08	169429854	+	8.005E-26	3.6138E-24	-0.31766	hypo	sig	chr6_169429854
chr17	79711831	79711831	+	8.007E-26	3.6146E-24	-0.42719	hypo	sig	chr17_79711831
chr12	21941644	21941644	+	8.009E-26	3.6154E-24	0.205496	hyper	sig	chr12_21941644
chr20	63006186	63006186	+	8.011E-26	3.6159E-24	0.23047	hyper	sig	chr20_63006186
chr4	95548462	95548462	+	8.018E-26	3.6189E-24	0.231463	hyper	sig	chr4_95548462
chr1	50427395	50427395	+	8.025E-26	3.6218E-24	0.282305	hyper	sig	chr1_50427395
chr7	27249551	27249551	+	8.038E-26	3.6275E-24	0.296188	hyper	sig	chr7_27249551
chr5	1.16E+08	115816788	+	8.047E-26	3.6315E-24	0.310994	hyper	sig	chr5_115816788
chr4	41881145	41881145	+	8.06E-26	3.637E-24	0.31237	hyper	sig	chr4_41881145
chr3	11591500	11591500	+	8.067E-26	3.64E-24	0.272267	hyper	sig	chr3_11591500
chr20	38728153	38728153	+	8.07E-26	3.641E-24	0.409875	hyper	sig	chr20_38728153
chr10	42951675	42951675	+	8.075E-26	3.6433E-24	0.235157	hyper	sig	chr10_42951675
chr19	36331742	36331742	+	8.076E-26	3.6435E-24	0.301893	hyper	sig	chr19_36331742
chr3	1.39E+08	138939576	+	8.084E-26	3.6471E-24	0.323162	hyper	sig	chr3_138939576
chr19	46210207	46210207	+	8.091E-26	3.6496E-24	-0.30022	hypo	sig	chr19_46210207

chr9	1.34E+08	133609603	+	8.091E-26	3.6496E-24	0.25965	hyper	sig	chr9_133609603
chr1	50427458	50427458	+	8.092E-26	3.65E-24	0.226688	hyper	sig	chr1_50427458
chr1	2E+08	200150859	+	8.101E-26	3.6538E-24	-0.31645	hypo	sig	chr1_200150859
chr7	73424451	73424451	+	8.108E-26	3.6566E-24	0.343492	hyper	sig	chr7_73424451
chr10	1.09E+08	108912207	+	8.109E-26	3.6568E-24	0.261627	hyper	sig	chr10_108912207
chr12	6620592	6620592	+	8.109E-26	3.6568E-24	0.342773	hyper	sig	chr12_6620592
chr20	43189301	43189301	+	8.112E-26	3.6578E-24	0.293021	hyper	sig	chr20_43189301
chr10	7412589	7412589	+	8.114E-26	3.6586E-24	0.351555	hyper	sig	chr10_7412589
chr7	94394956	94394956	+	8.126E-26	3.6637E-24	0.297901	hyper	sig	chr7_94394956
chr14	94773169	94773169	+	8.127E-26	3.6641E-24	0.218501	hyper	sig	chr14_94773169
chr6	1.7E+08	170177182	+	8.146E-26	3.6726E-24	-0.39966	hypo	sig	chr6_170177182
chr6	29792658	29792658	+	8.154E-26	3.6755E-24	0.255295	hyper	sig	chr6_29792658
chr16	1044672	1044672	+	8.158E-26	3.6771E-24	-0.36548	hypo	sig	chr16_1044672
chr19	44757681	44757681	+	8.16E-26	3.678E-24	0.376299	hyper	sig	chr19_44757681
chr14	1.03E+08	102923618	+	8.163E-26	3.679E-24	0.314282	hyper	sig	chr14_102923618
chr6	84775130	84775130	+	8.166E-26	3.6803E-24	0.292485	hyper	sig	chr6_84775130
chr4	1.9E+08	189740840	+	8.19E-26	3.6907E-24	-0.34189	hypo	sig	chr4_189740840
chr6	1.64E+08	163831612	+	8.202E-26	3.696E-24	-0.39102	hypo	sig	chr6_163831612
chr12	63150020	63150020	+	8.203E-26	3.6963E-24	0.299429	hyper	sig	chr12_63150020
chr14	1.04E+08	103523396	+	8.204E-26	3.6963E-24	0.283913	hyper	sig	chr14_103523396
chr3	1.22E+08	122183775	+	8.205E-26	3.6968E-24	0.239621	hyper	sig	chr3_122183775
chr16	89972061	89972061	+	8.232E-26	3.7085E-24	0.252354	hyper	sig	chr16_89972061
chr2	23569903	23569903	+	8.237E-26	3.7106E-24	0.289807	hyper	sig	chr2_23569903
chr16	66604358	66604358	+	8.238E-26	3.7109E-24	0.290026	hyper	sig	chr16_66604358
chr20	30316189	30316189	+	8.262E-26	3.7215E-24	0.380734	hyper	sig	chr20_30316189
chr1	2496641	2496641	+	8.291E-26	3.7344E-24	-0.37278	hypo	sig	chr1_2496641
chr11	1.29E+08	128824259	+	8.294E-26	3.7358E-24	0.38646	hyper	sig	chr11_128824259
chr21	45295114	45295114	+	8.311E-26	3.7431E-24	0.331906	hyper	sig	chr21_45295114
chr1	27567437	27567437	+	8.329E-26	3.7511E-24	0.294055	hyper	sig	chr1_27567437
chr19	56507532	56507532	+	8.34E-26	3.7555E-24	0.311384	hyper	sig	chr19_56507532
chr10	1.33E+08	132943086	+	8.352E-26	3.7608E-24	0.438923	hyper	sig	chr10_132943086
chr17	7929812	7929812	+	8.356E-26	3.7624E-24	0.412093	hyper	sig	chr17_7929812
chr11	34155595	34155595	+	8.358E-26	3.763E-24	0.346673	hyper	sig	chr11_34155595
chr3	1.26E+08	126394852	+	8.366E-26	3.7666E-24	0.297615	hyper	sig	chr3_126394852
chr9	1.22E+08	122219828	+	8.367E-26	3.7668E-24	0.236837	hyper	sig	chr9_122219828
chr2	1.15E+08	115162616	+	8.37E-26	3.768E-24	0.369707	hyper	sig	chr2_115162616
chr7	1753137	1753137	+	8.371E-26	3.7681E-24	-0.35274	hypo	sig	chr7_1753137
chr3	32819869	32819869	+	8.38E-26	3.7719E-24	0.319747	hyper	sig	chr3_32819869
chr8	1.41E+08	140549602	+	8.399E-26	3.7805E-24	0.224052	hyper	sig	chr8_140549602
chr7	43113996	43113996	+	8.404E-26	3.7826E-24	0.244075	hyper	sig	chr7_43113996
chr13	77662499	77662499	+	8.408E-26	3.7841E-24	-0.36235	hypo	sig	chr13_77662499
chr12	1.13E+08	113476115	+	8.42E-26	3.7894E-24	0.295549	hyper	sig	chr12_113476115
chr4	1.33E+08	133147409	+	8.434E-26	3.7955E-24	0.281755	hyper	sig	chr4_133147409
chr20	24142305	24142305	+	8.436E-26	3.7959E-24	-0.30743	hypo	sig	chr20_24142305
chr6	1.58E+08	158043765	+	8.437E-26	3.796E-24	0.226659	hyper	sig	chr6_158043765
chr16	66604417	66604417	+	8.438E-26	3.7967E-24	0.241842	hyper	sig	chr16_66604417
chr5	79069887	79069887	+	8.445E-26	3.7994E-24	0.346607	hyper	sig	chr5_79069887
chr16	54290300	54290300	+	8.448E-26	3.8007E-24	0.313581	hyper	sig	chr16_54290300
chr2	1.2E+08	120465945	+	8.449E-26	3.801E-24	-0.42936	hypo	sig	chr2_120465945
chr6	27275233	27275233	+	8.461E-26	3.8061E-24	0.314208	hyper	sig	chr6_27275233
chr2	27891580	27891580	+	8.463E-26	3.8066E-24	-0.2513	hypo	sig	chr2_27891580
chr20	38673970	38673970	+	8.463E-26	3.8066E-24	0.28583	hyper	sig	chr20_38673970
chr1	3651149	3651149	+	8.465E-26	3.8069E-24	0.340533	hyper	sig	chr1_3651149
chr21	36705047	36705047	+	8.488E-26	3.8173E-24	0.336169	hyper	sig	chr21_36705047
chr2	2.32E+08	232486270	+	8.511E-26	3.8275E-24	0.284972	hyper	sig	chr2_232486270
chr19	33623383	33623383	+	8.514E-26	3.8282E-24	0.299236	hyper	sig	chr19_33623383

chr7	97022238	97022238	+	8.514E-26	3.8282E-24	0.315907	hyper	sig	chr7_97022238
chr10	27746717	27746717	+	8.529E-26	3.8347E-24	0.281079	hyper	sig	chr10_27746717
chr14	74239359	74239359	+	8.531E-26	3.8356E-24	0.305131	hyper	sig	chr14_74239359
chr19	21852021	21852021	+	8.537E-26	3.8379E-24	0.204262	hyper	sig	chr19_21852021
chr3	1.97E+08	197378420	+	8.548E-26	3.8427E-24	0.338471	hyper	sig	chr3_197378420
chr6	42727673	42727673	+	8.561E-26	3.8484E-24	0.390161	hyper	sig	chr6_42727673
chr13	21319201	21319201	+	8.563E-26	3.8489E-24	0.362465	hyper	sig	chr13_21319201
chr1	1.07E+08	107140164	+	8.568E-26	3.8509E-24	0.30638	hyper	sig	chr1_107140164
chr13	51786132	51786132	+	8.568E-26	3.8509E-24	0.312578	hyper	sig	chr13_51786132
chr11	66559261	66559261	+	8.569E-26	3.8514E-24	0.322158	hyper	sig	chr11_66559261
chr2	1.21E+08	120868162	+	8.572E-26	3.8523E-24	0.288095	hyper	sig	chr2_120868162
chr20	17225884	17225884	+	8.592E-26	3.8613E-24	0.338713	hyper	sig	chr20_17225884
chr5	83471771	83471771	+	8.594E-26	3.8617E-24	0.251623	hyper	sig	chr5_83471771
chr2	1.72E+08	172196941	+	8.622E-26	3.8741E-24	-0.41225	hypo	sig	chr2_172196941
chr3	1.47E+08	147380779	+	8.626E-26	3.8754E-24	0.314658	hyper	sig	chr3_147380779
chr9	1.34E+08	133565720	+	8.626E-26	3.8754E-24	0.338244	hyper	sig	chr9_133565720
chr1	2.08E+08	207822952	+	8.655E-26	3.8879E-24	0.314684	hyper	sig	chr1_207822952
chr2	1.24E+08	124024653	+	8.662E-26	3.8907E-24	0.357162	hyper	sig	chr2_124024653
chr22	19029304	19029304	+	8.661E-26	3.8907E-24	0.2898	hyper	sig	chr22_19029304
chr10	99232908	99232908	+	8.664E-26	3.8913E-24	0.290241	hyper	sig	chr10_99232908
chr17	44762637	44762637	+	8.668E-26	3.8932E-24	-0.31027	hypo	sig	chr17_44762637
chr8	15540824	15540824	+	8.693E-26	3.9039E-24	0.257906	hyper	sig	chr8_15540824
chr5	1.81E+08	180606621	+	8.697E-26	3.9058E-24	-0.36863	hypo	sig	chr5_180606621
chr5	5139690	5139690	+	8.723E-26	3.9173E-24	0.333265	hyper	sig	chr5_5139690
chr13	1.12E+08	112055199	+	8.724E-26	3.9173E-24	0.313435	hyper	sig	chr13_112055199
chr17	80192560	80192560	+	8.773E-26	3.9389E-24	0.299295	hyper	sig	chr17_80192560
chr8	47998132	47998132	+	8.773E-26	3.9389E-24	-0.32959	hypo	sig	chr8_47998132
chr7	1181295	1181295	+	8.774E-26	3.9391E-24	-0.30722	hypo	sig	chr7_1181295
chr10	1.01E+08	101139508	+	8.796E-26	3.9486E-24	0.278535	hyper	sig	chr10_101139508
chr1	3293346	3293346	+	8.821E-26	3.9599E-24	-0.3358	hypo	sig	chr1_3293346
chr7	18087293	18087293	+	8.826E-26	3.9617E-24	0.281737	hyper	sig	chr7_18087293
chr2	53860286	53860286	+	8.829E-26	3.9632E-24	0.443738	hyper	sig	chr2_53860286
chr3	4977087	4977087	+	8.857E-26	3.9751E-24	-0.29786	hypo	sig	chr3_4977087
chr2	2.39E+08	239311434	+	8.866E-26	3.9792E-24	0.27121	hyper	sig	chr2_239311434
chr9	97852658	97852658	+	8.876E-26	3.9834E-24	0.382208	hyper	sig	chr9_97852658
chr13	94703551	94703551	+	8.88E-26	3.985E-24	0.359375	hyper	sig	chr13_94703551
chr9	1.34E+08	133527244	+	8.883E-26	3.9862E-24	0.460466	hyper	sig	chr9_133527244
chr12	1.32E+08	132329061	+	8.887E-26	3.9878E-24	0.357757	hyper	sig	chr12_132329061
chr11	2140706	2140706	+	8.903E-26	3.9947E-24	0.309079	hyper	sig	chr11_2140706
chr5	63962009	63962009	+	8.909E-26	3.9972E-24	0.241019	hyper	sig	chr5_63962009
chr22	50548882	50548882	+	8.911E-26	3.9976E-24	0.203906	hyper	sig	chr22_50548882
chr1	2339803	2339803	+	8.929E-26	4.0057E-24	-0.37195	hypo	sig	chr1_2339803
chr8	98974171	98974171	+	8.933E-26	4.007E-24	0.391029	hyper	sig	chr8_98974171
chr11	2213813	2213813	+	8.943E-26	4.0115E-24	-0.39802	hypo	sig	chr11_2213813
chr13	1.12E+08	112231524	+	8.96E-26	4.0188E-24	-0.35693	hypo	sig	chr13_112231524
chr16	3939407	3939407	+	8.968E-26	4.022E-24	0.351095	hyper	sig	chr16_3939407
chr19	45783461	45783461	+	8.973E-26	4.0242E-24	0.379649	hyper	sig	chr19_45783461
chr10	1.3E+08	129969831	+	8.977E-26	4.0258E-24	0.283743	hyper	sig	chr10_129969831
chr5	1.73E+08	173233045	+	8.977E-26	4.0258E-24	0.227724	hyper	sig	chr5_173233045
chr7	1.59E+08	158974400	+	8.987E-26	4.0301E-24	-0.3232	hypo	sig	chr7_158974400
chr11	20669859	20669859	+	8.996E-26	4.0337E-24	0.35874	hyper	sig	chr11_20669859
chr5	38258772	38258772	+	9.003E-26	4.0365E-24	0.253402	hyper	sig	chr5_38258772
chr3	1.88E+08	187670300	+	9.005E-26	4.0371E-24	0.323359	hyper	sig	chr3_187670300
chr5	50969954	50969954	+	9.025E-26	4.0461E-24	0.283299	hyper	sig	chr5_50969954
chr16	2967538	2967538	+	9.031E-26	4.0487E-24	0.271351	hyper	sig	chr16_2967538
chr20	46510099	46510099	+	9.041E-26	4.0529E-24	-0.29905	hypo	sig	chr20_46510099

chr8	1.31E+08	131041521	+	9.051E-26	4.0571E-24	0.342404	hyper	sig	chr8_131041521
chr1	1.8E+08	180169664	+	9.08E-26	4.0697E-24	-0.26969	hypo	sig	chr1_180169664
chr7	97024871	97024871	+	9.087E-26	4.0728E-24	0.298873	hyper	sig	chr7_97024871
chr5	6729551	6729551	+	9.113E-26	4.0841E-24	-0.32032	hypo	sig	chr5_6729551
chr1	37033879	37033879	+	9.117E-26	4.0859E-24	0.306006	hyper	sig	chr1_37033879
chr20	63178416	63178416	+	9.119E-26	4.0862E-24	0.345822	hyper	sig	chr20_63178416
chr3	1.47E+08	147409842	+	9.119E-26	4.0863E-24	0.345679	hyper	sig	chr3_147409842
chr19	4531610	4531610	+	9.129E-26	4.0906E-24	-0.31616	hypo	sig	chr19_4531610
chr17	1001066	1001066	+	9.146E-26	4.0977E-24	0.326034	hyper	sig	chr17_1001066
chr1	37556985	37556985	+	9.155E-26	4.1015E-24	0.233994	hyper	sig	chr1_37556985
chr7	1.58E+08	157812972	+	9.158E-26	4.1028E-24	-0.32646	hypo	sig	chr7_157812972
chr13	31945889	31945889	+	9.16E-26	4.1033E-24	-0.36917	hypo	sig	chr13_31945889
chr7	1.59E+08	159132594	+	9.16E-26	4.1033E-24	-0.33085	hypo	sig	chr7_159132594
chr1	2.08E+08	207645552	+	9.175E-26	4.1095E-24	0.335702	hyper	sig	chr1_207645552
chr8	1.41E+08	141235378	+	9.187E-26	4.1148E-24	-0.32174	hypo	sig	chr8_141235378
chr4	4858153	4858153	+	9.2E-26	4.1205E-24	0.394857	hyper	sig	chr4_4858153
chr5	11384582	11384582	+	9.208E-26	4.1237E-24	0.317536	hyper	sig	chr5_11384582
chr19	56477511	56477511	+	9.214E-26	4.1262E-24	0.339426	hyper	sig	chr19_56477511
chr14	36517820	36517820	+	9.219E-26	4.1282E-24	0.274777	hyper	sig	chr14_36517820
chr20	63657617	63657617	+	9.223E-26	4.1297E-24	0.294624	hyper	sig	chr20_63657617
chr16	86507879	86507879	+	9.229E-26	4.1323E-24	0.362768	hyper	sig	chr16_86507879
chr1	1.19E+08	118999594	+	9.232E-26	4.1333E-24	0.316428	hyper	sig	chr1_118999594
chr11	69867795	69867795	+	9.24E-26	4.1368E-24	-0.33621	hypo	sig	chr11_69867795
chr12	72273618	72273618	+	9.259E-26	4.1449E-24	0.360674	hyper	sig	chr12_72273618
chr1	28517224	28517224	+	9.271E-26	4.1499E-24	-0.2633	hypo	sig	chr1_28517224
chr8	19758793	19758793	+	9.271E-26	4.1499E-24	-0.33406	hypo	sig	chr8_19758793
chr1	1.47E+08	147080186	+	9.272E-26	4.1501E-24	0.348059	hyper	sig	chr1_147080186
chr2	69292011	69292011	+	9.31E-26	4.1668E-24	0.304519	hyper	sig	chr2_69292011
chr11	61334579	61334579	+	9.311E-26	4.1672E-24	-0.25434	hypo	sig	chr11_61334579
chr3	1.6E+08	160226317	+	9.314E-26	4.168E-24	0.226233	hyper	sig	chr3_160226317
chr3	63278148	63278148	+	9.326E-26	4.1728E-24	0.317998	hyper	sig	chr3_63278148
chr8	41301157	41301157	+	9.326E-26	4.1728E-24	-0.31006	hypo	sig	chr8_41301157
chr4	1.51E+08	150583747	+	9.357E-26	4.1866E-24	0.369191	hyper	sig	chr4_150583747
chr7	1.46E+08	146115754	+	9.394E-26	4.2027E-24	0.365075	hyper	sig	chr7_146115754
chr15	88256069	88256069	+	9.398E-26	4.2045E-24	0.231693	hyper	sig	chr15_88256069
chr12	1.33E+08	132837831	+	9.399E-26	4.2048E-24	0.343243	hyper	sig	chr12_132837831
chr8	23710145	23710145	+	9.4E-26	4.2049E-24	0.29762	hyper	sig	chr8_23710145
chr21	45004945	45004945	+	9.402E-26	4.2053E-24	-0.29486	hypo	sig	chr21_45004945
chr22	31095573	31095573	+	9.402E-26	4.2053E-24	0.251476	hyper	sig	chr22_31095573
chr5	1.56E+08	155729566	+	9.413E-26	4.2097E-24	0.325135	hyper	sig	chr5_155729566
chr12	4809816	4809816	+	9.42E-26	4.213E-24	0.321062	hyper	sig	chr12_4809816
chr5	1753196	1753196	+	9.444E-26	4.2234E-24	-0.39716	hypo	sig	chr5_1753196
chr13	1.02E+08	102394991	+	9.446E-26	4.2241E-24	0.280065	hyper	sig	chr13_102394991
chr10	49115204	49115204	+	9.451E-26	4.2259E-24	0.308588	hyper	sig	chr10_49115204
chr17	12664617	12664617	+	9.454E-26	4.227E-24	0.271449	hyper	sig	chr17_12664617
chr13	19564878	19564878	+	9.484E-26	4.2401E-24	0.303528	hyper	sig	chr13_19564878
chr12	39144304	39144304	+	9.491E-26	4.2433E-24	-0.28079	hypo	sig	chr12_39144304
chr7	27124225	27124225	+	9.522E-26	4.2566E-24	0.317535	hyper	sig	chr7_27124225
chr1	76867430	76867430	+	9.529E-26	4.2595E-24	0.242881	hyper	sig	chr1_76867430
chr3	1.54E+08	154122747	+	9.534E-26	4.2618E-24	0.281726	hyper	sig	chr3_154122747
chr3	27723816	27723816	+	9.545E-26	4.2665E-24	0.347052	hyper	sig	chr3_27723816
chr7	1.22E+08	122310870	+	9.561E-26	4.2733E-24	0.315669	hyper	sig	chr7_122310870
chr4	41881147	41881147	+	9.61E-26	4.2949E-24	0.309629	hyper	sig	chr4_41881147
chr3	1.47E+08	147392001	+	9.623E-26	4.3008E-24	0.340871	hyper	sig	chr3_147392001
chr1	1963783	1963783	+	9.625E-26	4.3011E-24	-0.33354	hypo	sig	chr1_1963783
chr5	58583642	58583642	+	9.628E-26	4.3022E-24	0.310031	hyper	sig	chr5_58583642

chr10	48685418	48685418	+	9.632E-26	4.3038E-24	-0.29578	hypo	sig	chr10_48685418
chr7	54544652	54544652	+	9.655E-26	4.3139E-24	0.340729	hyper	sig	chr7_54544652
chr1	1.19E+08	118983615	+	9.658E-26	4.3149E-24	0.341566	hyper	sig	chr1_118983615
chr12	1.24E+08	124454988	+	9.659E-26	4.3153E-24	0.404245	hyper	sig	chr12_124454988
chr3	1.58E+08	158102879	+	9.661E-26	4.3159E-24	0.336942	hyper	sig	chr3_158102879
chr7	1.22E+08	122300263	+	9.664E-26	4.317E-24	0.358917	hyper	sig	chr7_122300263
chr13	67230164	67230164	+	9.675E-26	4.3217E-24	0.201803	hyper	sig	chr13_67230164
chr1	1.52E+08	151514046	+	9.685E-26	4.3258E-24	-0.31681	hypo	sig	chr1_151514046
chr3	1.61E+08	161104793	+	9.689E-26	4.3275E-24	0.239662	hyper	sig	chr3_161104793
chr17	65538507	65538507	+	9.695E-26	4.3298E-24	-0.24813	hypo	sig	chr17_65538507
chr3	54123620	54123620	+	9.709E-26	4.3359E-24	0.232506	hyper	sig	chr3_54123620
chr20	63775123	63775123	+	9.716E-26	4.3387E-24	0.32938	hyper	sig	chr20_63775123
chr5	63959222	63959222	+	9.721E-26	4.3406E-24	0.415937	hyper	sig	chr5_63959222
chr7	1.29E+08	128841241	+	9.739E-26	4.3484E-24	-0.42257	hypo	sig	chr7_128841241
chr14	94891729	94891729	+	9.741E-26	4.3491E-24	-0.28411	hypo	sig	chr14_94891729
chr7	1.49E+08	149415286	+	9.755E-26	4.355E-24	0.294824	hyper	sig	chr7_149415286
chr3	13637950	13637950	+	9.768E-26	4.3609E-24	-0.38081	hypo	sig	chr3_13637950
chr3	10816706	10816706	+	9.781E-26	4.3662E-24	0.313192	hyper	sig	chr3_10816706
chr3	1.72E+08	172449958	+	9.796E-26	4.3727E-24	0.370401	hyper	sig	chr3_172449958
chr3	1.47E+08	147408175	+	9.799E-26	4.3741E-24	0.321469	hyper	sig	chr3_147408175
chr5	1.55E+08	154850613	+	9.807E-26	4.377E-24	0.317659	hyper	sig	chr5_154850613
chr8	31637572	31637572	+	9.808E-26	4.3773E-24	-0.37481	hypo	sig	chr8_31637572
chr10	1.3E+08	129525928	+	9.819E-26	4.3817E-24	0.294393	hyper	sig	chr10_129525928
chr8	41897912	41897912	+	9.821E-26	4.3824E-24	0.307553	hyper	sig	chr8_41897912
chr19	2607857	2607857	+	9.831E-26	4.3869E-24	-0.27306	hypo	sig	chr19_2607857
chr12	1.3E+08	130042334	+	9.845E-26	4.3926E-24	0.286626	hyper	sig	chr12_130042334
chr11	1.29E+08	128824410	+	9.86E-26	4.3993E-24	0.314082	hyper	sig	chr11_128824410
chr20	23049553	23049553	+	9.883E-26	4.4092E-24	0.301153	hyper	sig	chr20_23049553
chr3	43997984	43997984	+	9.891E-26	4.4125E-24	0.306776	hyper	sig	chr3_43997984
chr11	64060834	64060834	+	9.892E-26	4.4128E-24	0.313922	hyper	sig	chr11_64060834
chr15	34047599	34047599	+	9.915E-26	4.4227E-24	-0.30394	hypo	sig	chr15_34047599
chr17	78133081	78133081	+	9.938E-26	4.4327E-24	-0.36773	hypo	sig	chr17_78133081
chr12	1.14E+08	114414554	+	9.946E-26	4.436E-24	0.370728	hyper	sig	chr12_114414554
chr3	27723842	27723842	+	9.947E-26	4.4363E-24	0.346009	hyper	sig	chr3_27723842
chr2	1.87E+08	186849398	+	9.949E-26	4.437E-24	0.259336	hyper	sig	chr2_186849398
chr12	54090485	54090485	+	9.962E-26	4.4424E-24	0.309314	hyper	sig	chr12_54090485
chr1	2.24E+08	224175869	+	9.972E-26	4.4467E-24	0.39323	hyper	sig	chr1_224175869
chr7	50400687	50400687	+	9.992E-26	4.4554E-24	0.297856	hyper	sig	chr7_50400687
chr17	78232167	78232167	+	1.001E-25	4.4636E-24	0.296369	hyper	sig	chr17_78232167
chr4	1.53E+08	153249608	+	1.002E-25	4.4654E-24	0.26647	hyper	sig	chr4_153249608
chr7	1.21E+08	121328859	+	1.002E-25	4.4665E-24	0.340167	hyper	sig	chr7_121328859
chr1	1.47E+08	147072719	+	1.003E-25	4.4715E-24	0.352633	hyper	sig	chr1_147072719
chr20	59043432	59043432	+	1.004E-25	4.4758E-24	-0.36196	hypo	sig	chr20_59043432
chr5	1100247	1100247	+	1.006E-25	4.4851E-24	0.352872	hyper	sig	chr5_1100247
chr21	33026219	33026219	+	1.007E-25	4.4886E-24	0.301444	hyper	sig	chr21_33026219
chr19	5851605	5851605	+	1.008E-25	4.4914E-24	-0.33539	hypo	sig	chr19_5851605
chr7	69599898	69599898	+	1.008E-25	4.4917E-24	0.254131	hyper	sig	chr7_69599898
chr13	1.12E+08	112069257	+	1.01E-25	4.5009E-24	0.307103	hyper	sig	chr13_112069257
chr1	2.01E+08	201486265	+	1.011E-25	4.5049E-24	0.274989	hyper	sig	chr1_201486265
chr3	27729916	27729916	+	1.013E-25	4.5119E-24	0.362107	hyper	sig	chr3_27729916
chr3	1.82E+08	181710859	+	1.013E-25	4.5134E-24	0.246774	hyper	sig	chr3_181710859
chr12	1.04E+08	104050147	+	1.014E-25	4.5171E-24	0.213197	hyper	sig	chr12_104050147
chr1	1419855	1419855	+	1.015E-25	4.5227E-24	0.367628	hyper	sig	chr1_1419855
chr6	1.27E+08	127119325	+	1.015E-25	4.523E-24	0.322799	hyper	sig	chr6_127119325
chr15	45704511	45704511	+	1.016E-25	4.5259E-24	0.302283	hyper	sig	chr15_45704511
chr19	57317731	57317731	+	1.017E-25	4.5299E-24	0.345722	hyper	sig	chr19_57317731

chr11	69086447	69086447	+	1.018E-25	4.5333E-24	0.294493	hyper	sig	chr11_69086447
chr1	1.62E+08	161621685	+	1.02E-25	4.541E-24	0.242786	hyper	sig	chr1_161621685
chr17	41625745	41625745	+	1.02E-25	4.5439E-24	-0.2527	hypo	sig	chr17_41625745
chr10	1.33E+08	133326197	+	1.02E-25	4.5441E-24	0.297275	hyper	sig	chr10_133326197
chr19	39204026	39204026	+	1.021E-25	4.5471E-24	0.288237	hyper	sig	chr19_39204026
chr4	1533948	1533948	+	1.021E-25	4.5482E-24	0.326767	hyper	sig	chr4_1533948
chr7	1.4E+08	140435715	+	1.022E-25	4.5497E-24	0.315832	hyper	sig	chr7_140435715
chr11	507945	507945	+	1.023E-25	4.5566E-24	0.359469	hyper	sig	chr11_507945
chr11	1.09E+08	109422419	+	1.026E-25	4.5698E-24	0.384852	hyper	sig	chr11_109422419
chr17	1137801	1137801	+	1.028E-25	4.5748E-24	-0.29961	hypo	sig	chr17_1137801
chr19	56507534	56507534	+	1.028E-25	4.5748E-24	0.322699	hyper	sig	chr19_56507534
chr3	1.82E+08	181724068	+	1.028E-25	4.5757E-24	0.296476	hyper	sig	chr3_181724068
chr7	1.58E+08	157553971	+	1.028E-25	4.5761E-24	-0.44144	hypo	sig	chr7_157553971
chr12	1.14E+08	114443917	+	1.029E-25	4.5781E-24	0.284032	hyper	sig	chr12_114443917
chr6	1.17E+08	117481522	+	1.029E-25	4.5782E-24	-0.27505	hypo	sig	chr6_117481522
chr14	97219335	97219335	+	1.031E-25	4.5883E-24	0.22664	hyper	sig	chr14_97219335
chr1	1.58E+08	158355464	+	1.032E-25	4.5919E-24	-0.37868	hypo	sig	chr1_158355464
chr13	27794943	27794943	+	1.039E-25	4.6217E-24	0.373182	hyper	sig	chr13_27794943
chr11	31825250	31825250	+	1.04E-25	4.6273E-24	0.368327	hyper	sig	chr11_31825250
chr10	6179338	6179338	+	1.04E-25	4.6294E-24	0.269816	hyper	sig	chr10_6179338
chr12	1.29E+08	129337703	+	1.041E-25	4.6325E-24	-0.34631	hypo	sig	chr12_129337703
chr7	35186830	35186830	+	1.042E-25	4.636E-24	0.267495	hyper	sig	chr7_35186830
chr16	86906779	86906779	+	1.043E-25	4.6396E-24	0.415092	hyper	sig	chr16_86906779
chr1	2.28E+08	228158469	+	1.046E-25	4.6533E-24	0.372554	hyper	sig	chr1_228158469
chr5	1.35E+08	135490193	+	1.046E-25	4.6535E-24	0.272685	hyper	sig	chr5_135490193
chr16	3939431	3939431	+	1.046E-25	4.6535E-24	0.340672	hyper	sig	chr16_3939431
chr13	77918595	77918595	+	1.047E-25	4.6563E-24	0.292673	hyper	sig	chr13_77918595
chr8	52564761	52564761	+	1.048E-25	4.6593E-24	0.298672	hyper	sig	chr8_52564761
chr12	27969501	27969501	+	1.049E-25	4.6631E-24	0.242594	hyper	sig	chr12_27969501
chr19	23002846	23002846	+	1.051E-25	4.674E-24	0.300089	hyper	sig	chr19_23002846
chr11	1.23E+08	122977795	+	1.055E-25	4.6918E-24	0.303675	hyper	sig	chr11_122977795
chr2	2.01E+08	201126051	+	1.056E-25	4.6949E-24	-0.20787	hypo	sig	chr2_201126051
chr10	27746702	27746702	+	1.058E-25	4.7041E-24	0.278591	hyper	sig	chr10_27746702
chr19	37817456	37817456	+	1.059E-25	4.7083E-24	0.350231	hyper	sig	chr19_37817456
chr5	1.14E+08	114056008	+	1.06E-25	4.7118E-24	0.29389	hyper	sig	chr5_114056008
chr19	19860977	19860977	+	1.06E-25	4.7133E-24	0.299785	hyper	sig	chr19_19860977
chr21	41765514	41765514	+	1.062E-25	4.7196E-24	-0.34904	hypo	sig	chr21_41765514
chr3	1.8E+08	180036486	+	1.063E-25	4.7237E-24	0.304782	hyper	sig	chr3_180036486
chr13	52849776	52849776	+	1.064E-25	4.7284E-24	0.329785	hyper	sig	chr13_52849776
chr12	1.3E+08	130451810	+	1.065E-25	4.733E-24	-0.29553	hypo	sig	chr12_130451810
chr17	27486297	27486297	+	1.065E-25	4.733E-24	0.298792	hyper	sig	chr17_27486297
chr15	76345890	76345890	+	1.067E-25	4.7416E-24	-0.29256	hypo	sig	chr15_76345890
chr11	1.13E+08	113387488	+	1.07E-25	4.7542E-24	0.278296	hyper	sig	chr11_113387488
chr1	3226037	3226037	+	1.07E-25	4.7552E-24	-0.35891	hypo	sig	chr1_3226037
chr4	54103994	54103994	+	1.07E-25	4.7552E-24	0.259443	hyper	sig	chr4_54103994
chr16	66604366	66604366	+	1.071E-25	4.7572E-24	0.279321	hyper	sig	chr16_66604366
chr2	1.76E+08	176124925	+	1.071E-25	4.7592E-24	-0.30569	hypo	sig	chr2_176124925
chr5	16180206	16180206	+	1.071E-25	4.7592E-24	0.379517	hyper	sig	chr5_16180206
chr7	1.59E+08	158586470	+	1.073E-25	4.7673E-24	0.28892	hyper	sig	chr7_158586470
chr1	1.19E+08	118999249	+	1.073E-25	4.7673E-24	0.25203	hyper	sig	chr1_118999249
chr19	2491248	2491248	+	1.073E-25	4.7677E-24	-0.2789	hypo	sig	chr19_2491248
chr1	66752321	66752321	+	1.074E-25	4.7677E-24	0.290746	hyper	sig	chr1_66752321
chr2	38515678	38515678	+	1.074E-25	4.7682E-24	0.305725	hyper	sig	chr2_38515678
chr6	1.5E+08	149964679	+	1.078E-25	4.7851E-24	0.265164	hyper	sig	chr6_149964679
chr14	24340091	24340091	+	1.081E-25	4.799E-24	-0.23154	hypo	sig	chr14_24340091
chr13	1.1E+08	110436967	+	1.082E-25	4.8021E-24	-0.29365	hypo	sig	chr13_110436967

chr5	83471859	83471859	+	1.082E-25	4.8025E-24	0.272056	hyper	sig	chr5_83471859
chr8	1.44E+08	143939132	+	1.082E-25	4.8032E-24	-0.26093	hypo	sig	chr8_143939132
chr1	2074007	2074007	+	1.083E-25	4.8062E-24	0.361388	hyper	sig	chr1_2074007
chr22	49671240	49671240	+	1.083E-25	4.8062E-24	0.307764	hyper	sig	chr22_49671240
chr5	1.16E+08	116361881	+	1.086E-25	4.8194E-24	0.364365	hyper	sig	chr5_116361881
chr12	1.32E+08	132179370	+	1.086E-25	4.8199E-24	-0.34449	hypo	sig	chr12_132179370
chr7	97027532	97027532	+	1.086E-25	4.8204E-24	0.216676	hyper	sig	chr7_97027532
chr7	1.55E+08	155374783	+	1.086E-25	4.8213E-24	0.220872	hyper	sig	chr7_155374783
chr1	3313919	3313919	+	1.087E-25	4.8242E-24	0.364558	hyper	sig	chr1_3313919
chr10	2936354	2936354	+	1.087E-25	4.8242E-24	-0.34036	hypo	sig	chr10_2936354
chr11	32437116	32437116	+	1.088E-25	4.829E-24	0.2725	hyper	sig	chr11_32437116
chr13	1.13E+08	113139125	+	1.089E-25	4.8298E-24	-0.41291	hypo	sig	chr13_113139125
chr1	44417477	44417477	+	1.089E-25	4.8311E-24	0.219233	hyper	sig	chr1_44417477
chr10	70552158	70552158	+	1.092E-25	4.8456E-24	0.338774	hyper	sig	chr10_70552158
chr9	34457519	34457519	+	1.092E-25	4.8456E-24	0.353702	hyper	sig	chr9_34457519
chr1	3437915	3437915	+	1.093E-25	4.8504E-24	-0.34695	hypo	sig	chr1_3437915
chr1	9652489	9652489	+	1.094E-25	4.8536E-24	0.281985	hyper	sig	chr1_9652489
chr2	2.22E+08	221570638	+	1.094E-25	4.8545E-24	0.263785	hyper	sig	chr2_221570638
chr19	22286501	22286501	+	1.096E-25	4.8592E-24	0.318037	hyper	sig	chr19_22286501
chr6	1.36E+08	136032641	+	1.096E-25	4.8597E-24	-0.31151	hypo	sig	chr6_136032641
chr13	1.11E+08	111402587	+	1.1E-25	4.879E-24	-0.26856	hypo	sig	chr13_111402587
chr19	883875	883875	+	1.1E-25	4.879E-24	-0.34953	hypo	sig	chr19_883875
chr2	2.18E+08	218354943	+	1.102E-25	4.8849E-24	-0.3727	hypo	sig	chr2_218354943
chr18	62330251	62330251	+	1.103E-25	4.892E-24	-0.28824	hypo	sig	chr18_62330251
chr5	1.71E+08	171316535	+	1.104E-25	4.8952E-24	0.325385	hyper	sig	chr5_171316535
chr12	1.31E+08	131000199	+	1.105E-25	4.8986E-24	-0.33808	hypo	sig	chr12_131000199
chr22	20249818	20249818	+	1.107E-25	4.9079E-24	0.303447	hyper	sig	chr22_20249818
chr20	32052464	32052464	+	1.11E-25	4.9197E-24	0.246773	hyper	sig	chr20_32052464
chr16	88957126	88957126	+	1.11E-25	4.9202E-24	-0.33253	hypo	sig	chr16_88957126
chr14	41608134	41608134	+	1.111E-25	4.9245E-24	0.400935	hyper	sig	chr14_41608134
chr2	96867889	96867889	+	1.112E-25	4.9284E-24	0.389723	hyper	sig	chr2_96867889
chr20	63775569	63775569	+	1.112E-25	4.9302E-24	0.310337	hyper	sig	chr20_63775569
chr1	1.65E+08	165445279	+	1.113E-25	4.9341E-24	0.246603	hyper	sig	chr1_165445279
chr9	1045619	1045619	+	1.114E-25	4.9348E-24	0.302241	hyper	sig	chr9_1045619
chr7	24285347	24285347	+	1.114E-25	4.9349E-24	0.308273	hyper	sig	chr7_24285347
chr5	1.73E+08	173236768	+	1.114E-25	4.9371E-24	0.266598	hyper	sig	chr5_173236768
chr10	7531691	7531691	+	1.115E-25	4.9421E-24	-0.33996	hypo	sig	chr10_7531691
chr11	32428567	32428567	+	1.119E-25	4.9592E-24	0.359866	hyper	sig	chr11_32428567
chr5	63961867	63961867	+	1.12E-25	4.96E-24	0.290719	hyper	sig	chr5_63961867
chr19	48480771	48480771	+	1.121E-25	4.965E-24	0.26886	hyper	sig	chr19_48480771
chr1	2.36E+08	235642443	+	1.121E-25	4.9671E-24	-0.31169	hypo	sig	chr1_235642443
chr9	1.37E+08	137030897	+	1.123E-25	4.9725E-24	-0.37415	hypo	sig	chr9_137030897
chr3	75641275	75641275	+	1.123E-25	4.9747E-24	0.291311	hyper	sig	chr3_75641275
chr4	4858269	4858269	+	1.124E-25	4.9772E-24	0.335843	hyper	sig	chr4_4858269
chr19	20077996	20077996	+	1.124E-25	4.9796E-24	0.274448	hyper	sig	chr19_20077996
chr3	1.71E+08	170585355	+	1.128E-25	4.9947E-24	0.32329	hyper	sig	chr3_170585355
chr16	85741753	85741753	+	1.129E-25	4.9977E-24	-0.28057	hypo	sig	chr16_85741753
chr2	1.82E+08	181684626	+	1.13E-25	5.0049E-24	0.286249	hyper	sig	chr2_181684626
chr6	1.59E+08	159128102	+	1.132E-25	5.0104E-24	-0.33644	hypo	sig	chr6_159128102
chr4	1.53E+08	153249574	+	1.136E-25	5.0299E-24	0.286112	hyper	sig	chr4_153249574
chr4	41881117	41881117	+	1.136E-25	5.0304E-24	0.323059	hyper	sig	chr4_41881117
chr12	52116090	52116090	+	1.136E-25	5.0314E-24	-0.28116	hypo	sig	chr12_52116090
chr19	45234391	45234391	+	1.137E-25	5.0331E-24	0.49074	hyper	sig	chr19_45234391
chr4	80265908	80265908	+	1.137E-25	5.0337E-24	0.209488	hyper	sig	chr4_80265908
chr10	472287	472287	+	1.14E-25	5.0464E-24	-0.31812	hypo	sig	chr10_472287
chr16	10180578	10180578	+	1.14E-25	5.0475E-24	0.350066	hyper	sig	chr16_10180578

chr21	42362391	42362391	+	1.141E-25	5.0487E-24	0.296153	hyper	sig	chr21_42362391
chr1	1.75E+08	175044863	+	1.141E-25	5.0501E-24	-0.28467	hypo	sig	chr1_175044863
chr17	9226799	9226799	+	1.143E-25	5.0582E-24	-0.30178	hypo	sig	chr17_9226799
chr16	1088523	1088523	+	1.144E-25	5.0609E-24	-0.31644	hypo	sig	chr16_1088523
chr19	52493298	52493298	+	1.144E-25	5.0623E-24	0.384962	hyper	sig	chr19_52493298
chr6	6004231	6004231	+	1.147E-25	5.0739E-24	0.331418	hyper	sig	chr6_6004231
chr3	10816014	10816014	+	1.148E-25	5.0806E-24	0.393953	hyper	sig	chr3_10816014
chr11	69817279	69817279	+	1.149E-25	5.0813E-24	0.273854	hyper	sig	chr11_69817279
chr17	52157983	52157983	+	1.149E-25	5.0818E-24	0.324105	hyper	sig	chr17_52157983
chr6	1.68E+08	167797327	+	1.152E-25	5.0965E-24	-0.29752	hypo	sig	chr6_167797327
chr5	1.41E+08	141390018	+	1.153E-25	5.1019E-24	0.333307	hyper	sig	chr5_141390018
chr19	37551544	37551544	+	1.156E-25	5.1118E-24	0.256231	hyper	sig	chr19_37551544
chr7	5297076	5297076	+	1.16E-25	5.131E-24	-0.34895	hypo	sig	chr7_5297076
chr7	1.55E+08	155373220	+	1.163E-25	5.1444E-24	0.332022	hyper	sig	chr7_155373220
chr7	50303706	50303706	+	1.164E-25	5.1462E-24	0.313667	hyper	sig	chr7_50303706
chr11	66421230	66421230	+	1.165E-25	5.1523E-24	0.421962	hyper	sig	chr11_66421230
chr12	53999652	53999652	+	1.166E-25	5.1544E-24	0.299306	hyper	sig	chr12_53999652
chr15	99118150	99118150	+	1.166E-25	5.1544E-24	0.293227	hyper	sig	chr15_99118150
chr5	83473228	83473228	+	1.166E-25	5.1544E-24	0.228681	hyper	sig	chr5_83473228
chr2	1.82E+08	181678501	+	1.166E-25	5.1558E-24	0.301578	hyper	sig	chr2_181678501
chr19	35757041	35757041	+	1.166E-25	5.1559E-24	0.291112	hyper	sig	chr19_35757041
chr9	95459312	95459312	+	1.169E-25	5.1658E-24	0.347927	hyper	sig	chr9_95459312
chr7	12715708	12715708	+	1.169E-25	5.1697E-24	-0.23496	hypo	sig	chr7_12715708
chr9	1.28E+08	128159585	+	1.171E-25	5.1742E-24	-0.24501	hypo	sig	chr9_128159585
chr22	19891700	19891700	+	1.171E-25	5.1747E-24	-0.20471	hypo	sig	chr22_19891700
chr2	1.3E+08	129979976	+	1.171E-25	5.1749E-24	0.220805	hyper	sig	chr2_129979976
chr7	1747574	1747574	+	1.173E-25	5.1835E-24	-0.32622	hypo	sig	chr7_1747574
chr17	1977788	1977788	+	1.177E-25	5.2001E-24	0.325086	hyper	sig	chr17_1977788
chr4	4870783	4870783	+	1.177E-25	5.2018E-24	0.208491	hyper	sig	chr4_4870783
chr15	96366568	96366568	+	1.177E-25	5.2028E-24	0.369279	hyper	sig	chr15_96366568
chr2	66432961	66432961	+	1.178E-25	5.2058E-24	0.214358	hyper	sig	chr2_66432961
chr1	1.77E+08	177029642	+	1.179E-25	5.2085E-24	-0.30375	hypo	sig	chr1_177029642
chr12	53939508	53939508	+	1.179E-25	5.2087E-24	0.336313	hyper	sig	chr12_53939508
chr13	1.14E+08	114115244	+	1.179E-25	5.2087E-24	-0.36048	hypo	sig	chr13_114115244
chr9	1.37E+08	136994703	+	1.179E-25	5.2087E-24	0.377504	hyper	sig	chr9_136994703
chr19	52369898	52369898	+	1.18E-25	5.2114E-24	0.258959	hyper	sig	chr19_52369898
chr20	4814938	4814938	+	1.18E-25	5.2119E-24	-0.3615	hypo	sig	chr20_4814938
chr5	2753751	2753751	+	1.18E-25	5.2119E-24	0.334505	hyper	sig	chr5_2753751
chr13	25096011	25096011	+	1.181E-25	5.2156E-24	0.317684	hyper	sig	chr13_25096011
chr6	1.12E+08	112347304	+	1.181E-25	5.2171E-24	-0.29763	hypo	sig	chr6_112347304
chr12	53938934	53938934	+	1.182E-25	5.219E-24	0.341779	hyper	sig	chr12_53938934
chr13	1.14E+08	114015296	+	1.182E-25	5.2191E-24	-0.37404	hypo	sig	chr13_114015296
chr7	1.28E+08	128270900	+	1.183E-25	5.2251E-24	0.310938	hyper	sig	chr7_128270900
chr2	29920797	29920797	+	1.186E-25	5.2376E-24	0.324054	hyper	sig	chr2_29920797
chr10	1.01E+08	101236462	+	1.187E-25	5.2393E-24	0.240222	hyper	sig	chr10_101236462
chr6	50843275	50843275	+	1.188E-25	5.2432E-24	0.337039	hyper	sig	chr6_50843275
chr16	85037219	85037219	+	1.188E-25	5.2465E-24	-0.32632	hypo	sig	chr16_85037219
chr3	53730577	53730577	+	1.191E-25	5.2599E-24	0.323022	hyper	sig	chr3_53730577
chr12	4909639	4909639	+	1.192E-25	5.2614E-24	0.324329	hyper	sig	chr12_4909639
chr6	1.23E+08	123202058	+	1.194E-25	5.271E-24	-0.3624	hypo	sig	chr6_123202058
chr16	83825185	83825185	+	1.194E-25	5.272E-24	-0.35158	hypo	sig	chr16_83825185
chr4	3766894	3766894	+	1.196E-25	5.2767E-24	0.31017	hyper	sig	chr4_3766894
chr14	26598647	26598647	+	1.196E-25	5.2775E-24	0.316331	hyper	sig	chr14_26598647
chr15	75673086	75673086	+	1.198E-25	5.2867E-24	0.29425	hyper	sig	chr15_75673086
chr17	79178533	79178533	+	1.198E-25	5.2867E-24	-0.34598	hypo	sig	chr17_79178533
chr19	37467835	37467835	+	1.198E-25	5.2869E-24	0.297664	hyper	sig	chr19_37467835

chr11	73310100	73310100	+	1.2E-25	5.2942E-24	0.289294	hyper	sig	chr11_73310100
chr5	2727625	2727625	+	1.2E-25	5.2942E-24	0.265944	hyper	sig	chr5_2727625
chr8	1.08E+08	108083779	+	1.2E-25	5.2942E-24	0.314226	hyper	sig	chr8_108083779
chr10	1.33E+08	132612694	+	1.201E-25	5.2995E-24	0.365046	hyper	sig	chr10_132612694
chr15	59995247	59995247	+	1.202E-25	5.3032E-24	0.299	hyper	sig	chr15_59995247
chr4	17782313	17782313	+	1.203E-25	5.3059E-24	0.29596	hyper	sig	chr4_17782313
chr9	971533	971533	+	1.206E-25	5.3193E-24	0.400746	hyper	sig	chr9_971533
chr6	1.47E+08	146543271	+	1.207E-25	5.3253E-24	-0.29875	hypo	sig	chr6_146543271
chr19	58356335	58356335	+	1.207E-25	5.3253E-24	0.318673	hyper	sig	chr19_58356335
chr2	1.19E+08	118834068	+	1.207E-25	5.3253E-24	0.386154	hyper	sig	chr2_118834068
chr9	97221241	97221241	+	1.208E-25	5.3254E-24	0.360918	hyper	sig	chr9_97221241
chr22	44172895	44172895	+	1.209E-25	5.3301E-24	-0.26386	hypo	sig	chr22_44172895
chr6	1.18E+08	117920377	+	1.209E-25	5.3308E-24	0.272177	hyper	sig	chr6_117920377
chr11	31805577	31805577	+	1.21E-25	5.3336E-24	0.330986	hyper	sig	chr11_31805577
chr5	1973929	1973929	+	1.213E-25	5.3465E-24	-0.33824	hypo	sig	chr5_1973929
chr21	45286755	45286755	+	1.213E-25	5.3481E-24	0.306423	hyper	sig	chr21_45286755
chr12	84913075	84913075	+	1.215E-25	5.3552E-24	0.265853	hyper	sig	chr12_84913075
chr16	3175026	3175026	+	1.215E-25	5.3559E-24	0.343259	hyper	sig	chr16_3175026
chr20	46057455	46057455	+	1.216E-25	5.3595E-24	0.365079	hyper	sig	chr20_46057455
chr5	1.41E+08	141387633	+	1.217E-25	5.3634E-24	0.292832	hyper	sig	chr5_141387633
chr8	54454343	54454343	+	1.218E-25	5.3702E-24	0.35102	hyper	sig	chr8_54454343
chr7	4960627	4960627	+	1.219E-25	5.3722E-24	-0.36272	hypo	sig	chr7_4960627
chr1	24931715	24931715	+	1.22E-25	5.3757E-24	0.320491	hyper	sig	chr1_24931715
chr8	23404425	23404425	+	1.222E-25	5.3831E-24	0.278906	hyper	sig	chr8_23404425
chr17	9701005	9701005	+	1.222E-25	5.3848E-24	0.351212	hyper	sig	chr17_9701005
chr2	1.28E+08	128493712	+	1.222E-25	5.3854E-24	0.353514	hyper	sig	chr2_128493712
chr17	18645491	18645491	+	1.225E-25	5.3953E-24	-0.25123	hypo	sig	chr17_18645491
chr16	31331719	31331719	+	1.225E-25	5.3974E-24	0.364775	hyper	sig	chr16_31331719
chr6	1E+08	100449490	+	1.226E-25	5.4E-24	0.372949	hyper	sig	chr6_100449490
chr16	8958930	8958930	+	1.229E-25	5.4127E-24	-0.30531	hypo	sig	chr16_8958930
chr10	69569287	69569287	+	1.231E-25	5.4237E-24	0.400273	hyper	sig	chr10_69569287
chr5	1.79E+08	178515483	+	1.233E-25	5.4316E-24	-0.32169	hypo	sig	chr5_178515483
chr7	19106891	19106891	+	1.234E-25	5.4372E-24	0.338142	hyper	sig	chr7_19106891
chr13	53200923	53200923	+	1.237E-25	5.4487E-24	0.303726	hyper	sig	chr13_53200923
chr4	1.11E+08	110630665	+	1.237E-25	5.4487E-24	0.336164	hyper	sig	chr4_110630665
chr18	21243012	21243012	+	1.239E-25	5.4553E-24	0.23866	hyper	sig	chr18_21243012
chr1	1.52E+08	152191543	+	1.24E-25	5.4599E-24	-0.37881	hypo	sig	chr1_152191543
chr16	2082630	2082630	+	1.24E-25	5.4599E-24	0.364805	hyper	sig	chr16_2082630
chr3	44021839	44021839	+	1.242E-25	5.4693E-24	0.249207	hyper	sig	chr3_44021839
chr4	1.54E+08	153793700	+	1.242E-25	5.4693E-24	-0.33188	hypo	sig	chr4_153793700
chr14	94861555	94861555	+	1.243E-25	5.4739E-24	-0.42239	hypo	sig	chr14_94861555
chr15	92672305	92672305	+	1.244E-25	5.4776E-24	-0.33513	hypo	sig	chr15_92672305
chr10	1.32E+08	132232379	+	1.245E-25	5.4786E-24	-0.3138	hypo	sig	chr10_132232379
chr7	24285357	24285357	+	1.245E-25	5.479E-24	0.304914	hyper	sig	chr7_24285357
chr7	24979018	24979018	+	1.247E-25	5.4879E-24	-0.32952	hypo	sig	chr7_24979018
chr11	15074012	15074012	+	1.249E-25	5.4957E-24	0.262642	hyper	sig	chr11_15074012
chr6	10410108	10410108	+	1.252E-25	5.5099E-24	0.384971	hyper	sig	chr6_10410108
chr3	1.61E+08	161104831	+	1.253E-25	5.5127E-24	0.211234	hyper	sig	chr3_161104831
chr1	2.06E+08	205850057	+	1.254E-25	5.5188E-24	0.256022	hyper	sig	chr1_205850057
chr16	86337779	86337779	+	1.258E-25	5.5339E-24	-0.27438	hypo	sig	chr16_86337779
chr22	36511087	36511087	+	1.259E-25	5.5411E-24	0.305294	hyper	sig	chr22_36511087
chr13	27927820	27927820	+	1.26E-25	5.5446E-24	0.470105	hyper	sig	chr13_27927820
chr14	56812416	56812416	+	1.261E-25	5.548E-24	0.31731	hyper	sig	chr14_56812416
chr20	62708517	62708517	+	1.262E-25	5.5513E-24	0.41438	hyper	sig	chr20_62708517
chr4	54232166	54232166	+	1.262E-25	5.553E-24	0.34193	hyper	sig	chr4_54232166
chr7	1556613	1556613	+	1.263E-25	5.5552E-24	-0.28261	hypo	sig	chr7_1556613

chr5	1.75E+08	174732055	+	1.263E-25	5.5553E-24	0.299207	hyper	sig	chr5_174732055
chr10	91633481	91633481	+	1.264E-25	5.5612E-24	0.23659	hyper	sig	chr10_91633481
chr2	2.28E+08	228181710	+	1.265E-25	5.5652E-24	0.377768	hyper	sig	chr2_228181710
chr13	21022543	21022543	+	1.267E-25	5.5725E-24	-0.29965	hypo	sig	chr13_21022543
chr10	79394436	79394436	+	1.268E-25	5.5741E-24	-0.33778	hypo	sig	chr10_79394436
chr10	1.01E+08	101237613	+	1.268E-25	5.5742E-24	0.31932	hyper	sig	chr10_101237613
chr19	57099543	57099543	+	1.268E-25	5.5764E-24	0.401343	hyper	sig	chr19_57099543
chr7	1568084	1568084	+	1.27E-25	5.5855E-24	-0.26154	hypo	sig	chr7_1568084
chr4	4226487	4226487	+	1.271E-25	5.5882E-24	0.252985	hyper	sig	chr4_4226487
chr17	41625751	41625751	+	1.277E-25	5.6121E-24	-0.32419	hypo	sig	chr17_41625751
chr21	44920918	44920918	+	1.279E-25	5.6223E-24	-0.3329	hypo	sig	chr21_44920918
chr17	80942616	80942616	+	1.279E-25	5.6237E-24	0.40434	hyper	sig	chr17_80942616
chr7	45922256	45922256	+	1.28E-25	5.6248E-24	0.240908	hyper	sig	chr7_45922256
chr20	21509563	21509563	+	1.28E-25	5.6254E-24	0.306895	hyper	sig	chr20_21509563
chr8	1.04E+08	104466455	+	1.28E-25	5.6257E-24	0.380388	hyper	sig	chr8_104466455
chr14	20435396	20435396	+	1.28E-25	5.6264E-24	0.419748	hyper	sig	chr14_20435396
chr16	86567503	86567503	+	1.282E-25	5.6356E-24	0.239797	hyper	sig	chr16_86567503
chr15	45379161	45379161	+	1.284E-25	5.644E-24	0.25439	hyper	sig	chr15_45379161
chr6	28817282	28817282	+	1.286E-25	5.6503E-24	0.253835	hyper	sig	chr6_28817282
chr8	88328251	88328251	+	1.286E-25	5.6511E-24	0.282638	hyper	sig	chr8_88328251
chr9	1.37E+08	136739801	+	1.287E-25	5.6526E-24	-0.36666	hypo	sig	chr9_136739801
chr22	38214498	38214498	+	1.291E-25	5.6739E-24	0.357059	hyper	sig	chr22_38214498
chr22	50547282	50547282	+	1.293E-25	5.6785E-24	0.387814	hyper	sig	chr22_50547282
chr10	79382450	79382450	+	1.293E-25	5.682E-24	0.286328	hyper	sig	chr10_79382450
chr12	4909925	4909925	+	1.295E-25	5.6872E-24	0.299052	hyper	sig	chr12_4909925
chr16	31216936	31216936	+	1.295E-25	5.6872E-24	0.238685	hyper	sig	chr16_31216936
chr19	56393693	56393693	+	1.295E-25	5.689E-24	0.321687	hyper	sig	chr19_56393693
chr17	41583640	41583640	+	1.296E-25	5.6924E-24	-0.30892	hypo	sig	chr17_41583640
chr19	57611939	57611939	+	1.296E-25	5.6928E-24	-0.31786	hypo	sig	chr19_57611939
chr2	44998870	44998870	+	1.298E-25	5.7E-24	-0.31052	hypo	sig	chr2_44998870
chr4	30721699	30721699	+	1.298E-25	5.7018E-24	0.292057	hyper	sig	chr4_30721699
chr3	1.33E+08	133038142	+	1.299E-25	5.7033E-24	0.295214	hyper	sig	chr3_133038142
chr13	94703948	94703948	+	1.3E-25	5.7073E-24	0.421026	hyper	sig	chr13_94703948
chr10	7412596	7412596	+	1.301E-25	5.7107E-24	0.322325	hyper	sig	chr10_7412596
chr11	44980102	44980102	+	1.304E-25	5.7262E-24	-0.33429	hypo	sig	chr11_44980102
chr19	56192944	56192944	+	1.305E-25	5.7293E-24	-0.31902	hypo	sig	chr19_56192944
chr1	2E+08	200040388	+	1.305E-25	5.7306E-24	0.307323	hyper	sig	chr1_200040388
chr19	15010779	15010779	+	1.306E-25	5.7322E-24	0.352972	hyper	sig	chr19_15010779
chr3	1.71E+08	170586041	+	1.308E-25	5.7396E-24	0.393337	hyper	sig	chr3_170586041
chr5	1.73E+08	173211194	+	1.308E-25	5.7422E-24	-0.38594	hypo	sig	chr5_173211194
chr7	42238468	42238468	+	1.309E-25	5.7432E-24	0.348103	hyper	sig	chr7_42238468
chr7	1.58E+08	157663387	+	1.31E-25	5.7485E-24	0.396619	hyper	sig	chr7_157663387
chr17	68198819	68198819	+	1.311E-25	5.7521E-24	0.318779	hyper	sig	chr17_68198819
chr7	4739208	4739208	+	1.311E-25	5.7526E-24	0.283179	hyper	sig	chr7_4739208
chr2	2.13E+08	212536537	+	1.312E-25	5.7559E-24	0.313988	hyper	sig	chr2_212536537
chr6	1.08E+08	108174645	+	1.313E-25	5.7632E-24	0.342574	hyper	sig	chr6_108174645
chr15	37102914	37102914	+	1.32E-25	5.7899E-24	0.284764	hyper	sig	chr15_37102914
chr16	56190870	56190870	+	1.323E-25	5.8027E-24	0.257084	hyper	sig	chr16_56190870
chr10	97713217	97713217	+	1.324E-25	5.8072E-24	0.290993	hyper	sig	chr10_97713217
chr11	55870826	55870826	+	1.325E-25	5.8135E-24	-0.29107	hypo	sig	chr11_55870826
chr2	2.4E+08	239805561	+	1.326E-25	5.8156E-24	-0.37192	hypo	sig	chr2_239805561
chr5	44389736	44389736	+	1.327E-25	5.8194E-24	0.316136	hyper	sig	chr5_44389736
chr7	2641708	2641708	+	1.331E-25	5.8386E-24	0.3098	hyper	sig	chr7_2641708
chr7	93890309	93890309	+	1.332E-25	5.841E-24	0.315314	hyper	sig	chr7_93890309
chr7	1.46E+08	146115711	+	1.333E-25	5.8443E-24	0.365665	hyper	sig	chr7_146115711
chr11	32428599	32428599	+	1.333E-25	5.8468E-24	0.343509	hyper	sig	chr11_32428599

chr7	774737	774737	+	1.334E-25	5.8486E-24	0.370082	hyper	sig	chr7_774737
chr16	1044653	1044653	+	1.334E-25	5.8488E-24	-0.36927	hypo	sig	chr16_1044653
chr11	19697911	19697911	+	1.334E-25	5.8496E-24	0.342866	hyper	sig	chr11_19697911
chr19	2290999	2290999	+	1.335E-25	5.8545E-24	0.26932	hyper	sig	chr19_2290999
chr3	50499959	50499959	+	1.335E-25	5.8545E-24	-0.36464	hypo	sig	chr3_50499959
chr3	1.93E+08	192514331	+	1.336E-25	5.856E-24	0.405249	hyper	sig	chr3_192514331
chr2	2.22E+08	222303770	+	1.338E-25	5.8638E-24	0.369479	hyper	sig	chr2_222303770
chr5	1.79E+08	178590831	+	1.338E-25	5.866E-24	0.284462	hyper	sig	chr5_178590831
chr10	93066552	93066552	+	1.34E-25	5.8727E-24	0.410035	hyper	sig	chr10_93066552
chr4	2036641	2036641	+	1.34E-25	5.8733E-24	-0.27978	hypo	sig	chr4_2036641
chr14	36663483	36663483	+	1.342E-25	5.8825E-24	0.293833	hyper	sig	chr14_36663483
chr3	1.5E+08	149657119	+	1.343E-25	5.8862E-24	0.304599	hyper	sig	chr3_149657119
chr11	6319302	6319302	+	1.347E-25	5.901E-24	0.318644	hyper	sig	chr11_6319302
chr11	1.02E+08	101583945	+	1.348E-25	5.9062E-24	0.320262	hyper	sig	chr11_101583945
chr17	45261766	45261766	+	1.349E-25	5.9119E-24	0.335167	hyper	sig	chr17_45261766
chr10	1.14E+08	114405196	+	1.352E-25	5.9239E-24	-0.28204	hypo	sig	chr10_114405196
chr12	1.15E+08	114687229	+	1.352E-25	5.9248E-24	0.339098	hyper	sig	chr12_114687229
chr12	1.13E+08	113479628	+	1.354E-25	5.9309E-24	0.250272	hyper	sig	chr12_113479628
chr3	1.82E+08	181726638	+	1.354E-25	5.9327E-24	0.306034	hyper	sig	chr3_181726638
chr6	10384918	10384918	+	1.356E-25	5.9403E-24	0.3847	hyper	sig	chr6_10384918
chr19	57317807	57317807	+	1.356E-25	5.9404E-24	0.304018	hyper	sig	chr19_57317807
chr6	27213916	27213916	+	1.356E-25	5.9416E-24	0.272026	hyper	sig	chr6_27213916
chr1	1.98E+08	197913662	+	1.358E-25	5.9498E-24	0.363552	hyper	sig	chr1_197913662
chr11	1351441	1351441	+	1.359E-25	5.9511E-24	-0.32856	hypo	sig	chr11_1351441
chr7	56290882	56290882	+	1.359E-25	5.9538E-24	-0.30914	hypo	sig	chr7_56290882
chr19	51719229	51719229	+	1.362E-25	5.9663E-24	0.379537	hyper	sig	chr19_51719229
chr13	1.14E+08	114015305	+	1.365E-25	5.9771E-24	-0.35586	hypo	sig	chr13_114015305
chr4	42152844	42152844	+	1.365E-25	5.9777E-24	0.277414	hyper	sig	chr4_42152844
chr8	1.16E+08	115648505	+	1.366E-25	5.9826E-24	0.359349	hyper	sig	chr8_115648505
chr10	1324220	1324220	+	1.366E-25	5.9828E-24	-0.35711	hypo	sig	chr10_1324220
chr20	25081147	25081147	+	1.37E-25	5.9973E-24	0.412034	hyper	sig	chr20_25081147
chr12	54000221	54000221	+	1.373E-25	6.0123E-24	0.321334	hyper	sig	chr12_54000221
chr15	80778105	80778105	+	1.38E-25	6.0413E-24	-0.40188	hypo	sig	chr15_80778105
chr13	53202181	53202181	+	1.38E-25	6.0421E-24	0.326215	hyper	sig	chr13_53202181
chr12	1.31E+08	130658103	+	1.382E-25	6.0468E-24	0.319843	hyper	sig	chr12_130658103
chr12	1.33E+08	132837782	+	1.387E-25	6.072E-24	0.323924	hyper	sig	chr12_132837782
chr22	20249849	20249849	+	1.387E-25	6.072E-24	0.317739	hyper	sig	chr22_20249849
chr1	75134714	75134714	+	1.389E-25	6.0786E-24	0.256047	hyper	sig	chr1_75134714
chr13	1.13E+08	113405866	+	1.396E-25	6.1083E-24	-0.38744	hypo	sig	chr13_113405866
chr19	38256700	38256700	+	1.396E-25	6.1092E-24	0.25456	hyper	sig	chr19_38256700
chr3	1.41E+08	141052230	+	1.396E-25	6.1095E-24	0.379019	hyper	sig	chr3_141052230
chr12	6620467	6620467	+	1.397E-25	6.1105E-24	0.325539	hyper	sig	chr12_6620467
chr2	1.83E+08	182867096	+	1.399E-25	6.1219E-24	0.289827	hyper	sig	chr2_182867096
chr5	1.78E+08	178165724	+	1.403E-25	6.1367E-24	0.426285	hyper	sig	chr5_178165724
chr12	1.14E+08	114403067	+	1.412E-25	6.1739E-24	0.356654	hyper	sig	chr12_114403067
chr2	2.22E+08	222303841	+	1.412E-25	6.1764E-24	0.280456	hyper	sig	chr2_222303841
chr1	10672809	10672809	+	1.412E-25	6.1767E-24	0.283367	hyper	sig	chr1_10672809
chr8	1.01E+08	101495154	+	1.413E-25	6.1789E-24	-0.31823	hypo	sig	chr8_101495154
chr11	8019982	8019982	+	1.414E-25	6.1814E-24	0.214689	hyper	sig	chr11_8019982
chr2	2.34E+08	233939263	+	1.415E-25	6.1858E-24	0.391267	hyper	sig	chr2_233939263
chr11	42950134	42950134	+	1.416E-25	6.1914E-24	-0.38756	hypo	sig	chr11_42950134
chr1	39671528	39671528	+	1.417E-25	6.1963E-24	0.278385	hyper	sig	chr1_39671528
chr12	1.25E+08	124520392	+	1.417E-25	6.1963E-24	0.334375	hyper	sig	chr12_124520392
chr1	2.36E+08	236065460	+	1.42E-25	6.2069E-24	0.278878	hyper	sig	chr1_236065460
chr3	1.39E+08	138936921	+	1.42E-25	6.2093E-24	0.242955	hyper	sig	chr3_138936921
chr7	97013198	97013198	+	1.422E-25	6.2176E-24	0.395702	hyper	sig	chr7_97013198

chr11	7251636	7251636	+	1.423E-25	6.2206E-24	0.362557	hyper	sig	chr11_7251636
chr16	85573969	85573969	+	1.423E-25	6.2213E-24	0.343872	hyper	sig	chr16_85573969
chr12	46831782	46831782	+	1.426E-25	6.2329E-24	0.298292	hyper	sig	chr12_46831782
chr5	1.5E+08	150303278	+	1.427E-25	6.2363E-24	0.297464	hyper	sig	chr5_150303278
chr7	86645154	86645154	+	1.427E-25	6.2363E-24	0.356996	hyper	sig	chr7_86645154
chr3	10511527	10511527	+	1.432E-25	6.2558E-24	-0.3242	hypo	sig	chr3_10511527
chr14	73790471	73790471	+	1.433E-25	6.2616E-24	0.313523	hyper	sig	chr14_73790471
chr2	23620905	23620905	+	1.433E-25	6.2629E-24	0.298433	hyper	sig	chr2_23620905
chr7	2729677	2729677	+	1.435E-25	6.2699E-24	0.45585	hyper	sig	chr7_2729677
chr19	2607911	2607911	+	1.435E-25	6.2708E-24	-0.2759	hypo	sig	chr19_2607911
chr4	1.47E+08	146637283	+	1.436E-25	6.275E-24	0.406557	hyper	sig	chr4_146637283
chr20	46247650	46247650	+	1.437E-25	6.279E-24	-0.34257	hypo	sig	chr20_46247650
chr10	27746249	27746249	+	1.438E-25	6.2811E-24	0.257219	hyper	sig	chr10_27746249
chr20	60087919	60087919	+	1.44E-25	6.2892E-24	0.307848	hyper	sig	chr20_60087919
chr7	1.34E+08	134458250	+	1.443E-25	6.3025E-24	0.334148	hyper	sig	chr7_134458250
chr6	84775140	84775140	+	1.443E-25	6.3038E-24	0.336332	hyper	sig	chr6_84775140
chr19	52493325	52493325	+	1.444E-25	6.3051E-24	0.379714	hyper	sig	chr19_52493325
chr1	2.28E+08	228465402	+	1.445E-25	6.3116E-24	0.321477	hyper	sig	chr1_228465402
chr3	68007799	68007799	+	1.447E-25	6.3168E-24	0.371663	hyper	sig	chr3_68007799
chr7	1.28E+08	128032226	+	1.447E-25	6.3187E-24	0.300287	hyper	sig	chr7_128032226
chr8	32549377	32549377	+	1.448E-25	6.3207E-24	0.281494	hyper	sig	chr8_32549377
chr7	19106860	19106860	+	1.454E-25	6.3487E-24	0.363705	hyper	sig	chr7_19106860
chr2	72924825	72924825	+	1.455E-25	6.3504E-24	0.254496	hyper	sig	chr2_72924825
chr16	75253017	75253017	+	1.455E-25	6.3506E-24	0.343379	hyper	sig	chr16_75253017
chr7	1.28E+08	128032221	+	1.455E-25	6.3514E-24	0.3106	hyper	sig	chr7_128032221
chr11	32433612	32433612	+	1.456E-25	6.3566E-24	0.36706	hyper	sig	chr11_32433612
chr2	1.19E+08	118843389	+	1.456E-25	6.3567E-24	0.501271	hyper	sig	chr2_118843389
chr16	911054	911054	+	1.457E-25	6.3586E-24	-0.28815	hypo	sig	chr16_911054
chr22	50206771	50206771	+	1.457E-25	6.3607E-24	0.356826	hyper	sig	chr22_50206771
chr6	1.06E+08	105986549	+	1.46E-25	6.3707E-24	0.252946	hyper	sig	chr6_105986549
chr20	40690889	40690889	+	1.46E-25	6.371E-24	0.3282	hyper	sig	chr20_40690889
chr12	24563654	24563654	+	1.46E-25	6.373E-24	0.250917	hyper	sig	chr12_24563654
chr12	1.07E+08	106585698	+	1.462E-25	6.3791E-24	0.305206	hyper	sig	chr12_106585698
chr2	2.38E+08	237942115	+	1.462E-25	6.3806E-24	-0.2964	hypo	sig	chr2_237942115
chr11	45652716	45652716	+	1.464E-25	6.3869E-24	0.33057	hyper	sig	chr11_45652716
chr6	29943765	29943765	+	1.464E-25	6.387E-24	-0.32868	hypo	sig	chr6_29943765
chr6	83854180	83854180	+	1.467E-25	6.3998E-24	0.369673	hyper	sig	chr6_83854180
chr9	1.27E+08	127123451	+	1.468E-25	6.4055E-24	0.274982	hyper	sig	chr9_127123451
chr6	1.06E+08	105986581	+	1.469E-25	6.4066E-24	0.315141	hyper	sig	chr6_105986581
chr1	1.62E+08	162011883	+	1.469E-25	6.4086E-24	0.313903	hyper	sig	chr1_162011883
chr16	86531289	86531289	+	1.469E-25	6.4086E-24	0.316719	hyper	sig	chr16_86531289
chr19	46471414	46471414	+	1.471E-25	6.4136E-24	0.322972	hyper	sig	chr19_46471414
chr14	94773139	94773139	+	1.472E-25	6.4207E-24	0.286842	hyper	sig	chr14_94773139
chr9	1.32E+08	132239731	+	1.473E-25	6.4238E-24	-0.38862	hypo	sig	chr9_132239731
chr19	2772265	2772265	+	1.476E-25	6.4339E-24	0.275735	hyper	sig	chr19_2772265
chr11	67464407	67464407	+	1.477E-25	6.4415E-24	-0.28687	hypo	sig	chr11_67464407
chr16	73064984	73064984	+	1.477E-25	6.4415E-24	-0.34265	hypo	sig	chr16_73064984
chr14	26596768	26596768	+	1.479E-25	6.4502E-24	0.353469	hyper	sig	chr14_26596768
chr5	1.73E+08	172748756	+	1.48E-25	6.4508E-24	0.356674	hyper	sig	chr5_172748756
chr2	1.02E+08	102267937	+	1.481E-25	6.4571E-24	-0.33773	hypo	sig	chr2_102267937
chr10	23693454	23693454	+	1.484E-25	6.4678E-24	0.254037	hyper	sig	chr10_23693454
chr10	1.23E+08	123143798	+	1.484E-25	6.4678E-24	0.307891	hyper	sig	chr10_123143798
chr10	1.33E+08	132832780	+	1.484E-25	6.4681E-24	0.321229	hyper	sig	chr10_132832780
chr17	45395567	45395567	+	1.485E-25	6.4727E-24	0.405523	hyper	sig	chr17_45395567
chr10	1.31E+08	131310766	+	1.488E-25	6.4833E-24	0.331286	hyper	sig	chr10_131310766
chr4	41747342	41747342	+	1.488E-25	6.4847E-24	0.435132	hyper	sig	chr4_41747342

chr19	1908305	1908305	+	1.49E-25	6.4919E-24	-0.28306	hypo	sig	chr19_1908305
chr1	9183645	9183645	+	1.491E-25	6.4956E-24	0.263403	hyper	sig	chr1_9183645
chr1	90834681	90834681	+	1.491E-25	6.4984E-24	0.362028	hyper	sig	chr1_90834681
chr3	198441	198441	+	1.494E-25	6.5089E-24	0.363054	hyper	sig	chr3_198441
chr14	36667164	36667164	+	1.496E-25	6.5165E-24	0.260467	hyper	sig	chr14_36667164
chr13	31945883	31945883	+	1.497E-25	6.5194E-24	-0.38376	hypo	sig	chr13_31945883
chr16	67185235	67185235	+	1.497E-25	6.5194E-24	0.316104	hyper	sig	chr16_67185235
chr2	66432975	66432975	+	1.497E-25	6.5194E-24	0.203815	hyper	sig	chr2_66432975
chr2	1.15E+08	115162644	+	1.498E-25	6.5266E-24	0.282133	hyper	sig	chr2_115162644
chr1	50421228	50421228	+	1.499E-25	6.5277E-24	0.316152	hyper	sig	chr1_50421228
chr1	1174272	1174272	+	1.503E-25	6.5447E-24	0.367048	hyper	sig	chr1_1174272
chr13	24746409	24746409	+	1.503E-25	6.5477E-24	0.383907	hyper	sig	chr13_24746409
chr9	1.22E+08	121699403	+	1.504E-25	6.5514E-24	0.247867	hyper	sig	chr9_121699403
chr8	1.43E+08	143499944	+	1.505E-25	6.5553E-24	0.334899	hyper	sig	chr8_143499944
chr8	41785891	41785891	+	1.505E-25	6.5555E-24	-0.33166	hypo	sig	chr8_41785891
chr14	1.01E+08	100893843	+	1.514E-25	6.5924E-24	-0.34464	hypo	sig	chr14_100893843
chr6	29627225	29627225	+	1.514E-25	6.593E-24	0.347806	hyper	sig	chr6_29627225
chr7	920889	920889	+	1.514E-25	6.593E-24	-0.29202	hypo	sig	chr7_920889
chr8	30912658	30912658	+	1.515E-25	6.5968E-24	0.258581	hyper	sig	chr8_30912658
chr10	1.27E+08	127496128	+	1.519E-25	6.6127E-24	0.323753	hyper	sig	chr10_127496128
chr10	25933993	25933993	+	1.519E-25	6.6133E-24	0.246334	hyper	sig	chr10_25933993
chr17	18188421	18188421	+	1.522E-25	6.6266E-24	0.314582	hyper	sig	chr17_18188421
chr14	56797533	56797533	+	1.523E-25	6.6269E-24	0.313873	hyper	sig	chr14_56797533
chr1	90834656	90834656	+	1.523E-25	6.6273E-24	0.328527	hyper	sig	chr1_90834656
chr14	1.01E+08	101442375	+	1.525E-25	6.6378E-24	-0.38647	hypo	sig	chr14_101442375
chr11	2140981	2140981	+	1.526E-25	6.6417E-24	0.328586	hyper	sig	chr11_2140981
chr10	95557579	95557579	+	1.528E-25	6.649E-24	0.31141	hyper	sig	chr10_95557579
chr4	26804627	26804627	+	1.535E-25	6.679E-24	0.268991	hyper	sig	chr4_26804627
chr2	2.22E+08	222304218	+	1.535E-25	6.6797E-24	0.225719	hyper	sig	chr2_222304218
chr11	6252289	6252289	+	1.539E-25	6.6948E-24	0.30783	hyper	sig	chr11_6252289
chr2	2.02E+08	202171421	+	1.541E-25	6.7061E-24	0.300439	hyper	sig	chr2_202171421
chr15	99110107	99110107	+	1.544E-25	6.7161E-24	0.304027	hyper	sig	chr15_99110107
chr16	3189226	3189226	+	1.544E-25	6.7161E-24	0.286213	hyper	sig	chr16_3189226
chr5	64506571	64506571	+	1.545E-25	6.7198E-24	0.264381	hyper	sig	chr5_64506571
chr9	10613409	10613409	+	1.55E-25	6.7436E-24	0.297162	hyper	sig	chr9_10613409
chr6	88145266	88145266	+	1.555E-25	6.7646E-24	-0.28895	hypo	sig	chr6_88145266
chr7	93043517	93043517	+	1.561E-25	6.7881E-24	0.315319	hyper	sig	chr7_93043517
chr2	1.85E+08	184597713	+	1.561E-25	6.7883E-24	0.232991	hyper	sig	chr2_184597713
chr2	1.87E+08	186849149	+	1.563E-25	6.798E-24	0.300692	hyper	sig	chr2_186849149
chr19	51949242	51949242	+	1.566E-25	6.8075E-24	0.302212	hyper	sig	chr19_51949242
chr5	85866	85866	+	1.566E-25	6.8101E-24	-0.30937	hypo	sig	chr5_85866
chr8	24914965	24914965	+	1.566E-25	6.8107E-24	0.246778	hyper	sig	chr8_24914965
chr6	99607101	99607101	+	1.568E-25	6.8172E-24	0.296044	hyper	sig	chr6_99607101
chr14	85531449	85531449	+	1.569E-25	6.8203E-24	0.322786	hyper	sig	chr14_85531449
chr1	3313908	3313908	+	1.573E-25	6.8382E-24	0.357827	hyper	sig	chr1_3313908
chr2	1.38E+08	137716033	+	1.574E-25	6.8406E-24	-0.32152	hypo	sig	chr2_137716033
chr7	229197	229197	+	1.575E-25	6.8456E-24	0.35905	hyper	sig	chr7_229197
chr6	28091055	28091055	+	1.579E-25	6.8627E-24	0.339754	hyper	sig	chr6_28091055
chr10	326680	326680	+	1.581E-25	6.8722E-24	0.245143	hyper	sig	chr10_326680
chr2	2.02E+08	202171479	+	1.583E-25	6.8799E-24	0.277964	hyper	sig	chr2_202171479
chr2	2.39E+08	238891329	+	1.584E-25	6.8821E-24	-0.30423	hypo	sig	chr2_238891329
chr3	56775513	56775513	+	1.585E-25	6.8865E-24	0.258722	hyper	sig	chr3_56775513
chr2	2769757	2769757	+	1.587E-25	6.8962E-24	0.342028	hyper	sig	chr2_2769757
chr10	71965349	71965349	+	1.588E-25	6.8986E-24	0.310085	hyper	sig	chr10_71965349
chr16	57803048	57803048	+	1.59E-25	6.9083E-24	0.39372	hyper	sig	chr16_57803048
chr6	28091050	28091050	+	1.591E-25	6.9133E-24	0.33295	hyper	sig	chr6_28091050

chr4	1212083	1212083	+	1.592E-25	6.916E-24	0.376502	hyper	sig	chr4_1212083
chr5	2755875	2755875	+	1.593E-25	6.9212E-24	0.218982	hyper	sig	chr5_2755875
chr16	87127273	87127273	+	1.593E-25	6.9212E-24	0.340399	hyper	sig	chr16_87127273
chr14	1.04E+08	103523452	+	1.595E-25	6.9285E-24	0.25017	hyper	sig	chr14_103523452
chr5	1.55E+08	154850748	+	1.596E-25	6.9308E-24	0.305902	hyper	sig	chr5_154850748
chr19	56368086	56368086	+	1.597E-25	6.9348E-24	0.31166	hyper	sig	chr19_56368086
chr12	1.14E+08	114439632	+	1.598E-25	6.9387E-24	0.340354	hyper	sig	chr12_114439632
chr1	12063434	12063434	+	1.598E-25	6.9406E-24	0.238037	hyper	sig	chr1_12063434
chr17	8056542	8056542	+	1.601E-25	6.9511E-24	-0.33078	hypo	sig	chr17_8056542
chr2	1.19E+08	119158170	+	1.601E-25	6.953E-24	0.331075	hyper	sig	chr2_119158170
chr16	62035909	62035909	+	1.604E-25	6.9645E-24	0.353452	hyper	sig	chr16_62035909
chr10	47763414	47763414	+	1.604E-25	6.9663E-24	0.273405	hyper	sig	chr10_47763414
chr18	78981117	78981117	+	1.605E-25	6.9688E-24	0.355565	hyper	sig	chr18_78981117
chr4	56656680	56656680	+	1.606E-25	6.9724E-24	0.30381	hyper	sig	chr4_56656680
chr19	58356313	58356313	+	1.607E-25	6.9783E-24	0.310703	hyper	sig	chr19_58356313
chr16	67650004	67650004	+	1.608E-25	6.9809E-24	0.383912	hyper	sig	chr16_67650004
chr20	5315757	5315757	+	1.608E-25	6.9819E-24	0.40466	hyper	sig	chr20_5315757
chr19	22709085	22709085	+	1.609E-25	6.9851E-24	0.357447	hyper	sig	chr19_22709085
chr5	77632869	77632869	+	1.61E-25	6.989E-24	0.327119	hyper	sig	chr5_77632869
chr7	1.21E+08	121328850	+	1.612E-25	6.9974E-24	0.361259	hyper	sig	chr7_121328850
chr10	49608871	49608871	+	1.614E-25	7.0039E-24	0.308621	hyper	sig	chr10_49608871
chr13	57631904	57631904	+	1.614E-25	7.0047E-24	0.356485	hyper	sig	chr13_57631904
chr17	1618189	1618189	+	1.614E-25	7.0047E-24	-0.29802	hypo	sig	chr17_1618189
chr7	97018590	97018590	+	1.614E-25	7.0047E-24	0.419116	hyper	sig	chr7_97018590
chr5	1.36E+08	135835518	+	1.615E-25	7.0059E-24	-0.27615	hypo	sig	chr5_135835518
chr7	15685752	15685752	+	1.616E-25	7.0111E-24	0.242854	hyper	sig	chr7_15685752
chr10	1.01E+08	101228236	+	1.617E-25	7.0155E-24	0.250333	hyper	sig	chr10_101228236
chr2	870572	870572	+	1.618E-25	7.0196E-24	-0.32971	hypo	sig	chr2_870572
chr7	1.5E+08	150219593	+	1.619E-25	7.0231E-24	0.319685	hyper	sig	chr7_150219593
chr2	1.01E+08	101251921	+	1.62E-25	7.0263E-24	-0.27934	hypo	sig	chr2_101251921
chr11	8168999	8168999	+	1.621E-25	7.0328E-24	0.258411	hyper	sig	chr11_8168999
chr10	99531474	99531474	+	1.622E-25	7.0342E-24	0.343931	hyper	sig	chr10_99531474
chr6	1.68E+08	168318311	+	1.622E-25	7.0354E-24	-0.35581	hypo	sig	chr6_168318311
chr12	1820385	1820385	+	1.624E-25	7.0415E-24	0.267736	hyper	sig	chr12_1820385
chr1	2.29E+08	229407825	+	1.624E-25	7.0445E-24	0.317005	hyper	sig	chr1_229407825
chr12	1.31E+08	130933518	+	1.626E-25	7.0499E-24	-0.32104	hypo	sig	chr12_130933518
chr19	1356397	1356397	+	1.627E-25	7.0545E-24	0.278605	hyper	sig	chr19_1356397
chr1	10672849	10672849	+	1.628E-25	7.057E-24	0.283678	hyper	sig	chr1_10672849
chr7	1.4E+08	140435758	+	1.628E-25	7.06E-24	0.320698	hyper	sig	chr7_140435758
chr7	88760095	88760095	+	1.629E-25	7.0611E-24	0.368949	hyper	sig	chr7_88760095
chr7	1.12E+08	111562970	+	1.629E-25	7.0628E-24	-0.33002	hypo	sig	chr7_111562970
chr14	36667116	36667116	+	1.63E-25	7.0649E-24	0.315733	hyper	sig	chr14_36667116
chr2	2.33E+08	233060565	+	1.63E-25	7.0649E-24	-0.33831	hypo	sig	chr2_233060565
chr3	1.47E+08	147388245	+	1.633E-25	7.079E-24	0.258521	hyper	sig	chr3_147388245
chr19	51949128	51949128	+	1.636E-25	7.0889E-24	0.308829	hyper	sig	chr19_51949128
chr8	1.44E+08	144270384	+	1.636E-25	7.0909E-24	0.407012	hyper	sig	chr8_144270384
chr19	56671592	56671592	+	1.637E-25	7.0935E-24	0.373104	hyper	sig	chr19_56671592
chr1	1.46E+08	146486759	+	1.639E-25	7.1021E-24	0.328842	hyper	sig	chr1_146486759
chr6	44342736	44342736	+	1.64E-25	7.1053E-24	0.256506	hyper	sig	chr6_44342736
chr1	94540840	94540840	+	1.642E-25	7.1166E-24	-0.30666	hypo	sig	chr1_94540840
chr1	1.71E+08	170669773	+	1.645E-25	7.1259E-24	0.343621	hyper	sig	chr1_170669773
chr12	1.03E+08	102950861	+	1.648E-25	7.1395E-24	0.290236	hyper	sig	chr12_102950861
chr19	50608149	50608149	+	1.654E-25	7.1641E-24	0.240044	hyper	sig	chr19_50608149
chr9	1.24E+08	124012984	+	1.654E-25	7.1642E-24	0.24106	hyper	sig	chr9_124012984
chr13	78596850	78596850	+	1.657E-25	7.1762E-24	0.292545	hyper	sig	chr13_78596850
chr7	1E+08	100093577	+	1.659E-25	7.1863E-24	0.277939	hyper	sig	chr7_100093577

chr11	1.2E+08	119671832	+	1.66E-25	7.191E-24	0.306917	hyper	sig	chr11_119671832
chr9	1.22E+08	121598840	+	1.663E-25	7.2033E-24	0.353846	hyper	sig	chr9_121598840
chr7	1.29E+08	128916486	+	1.663E-25	7.2039E-24	0.307785	hyper	sig	chr7_128916486
chr16	71489696	71489696	+	1.664E-25	7.2074E-24	-0.30967	hypo	sig	chr16_71489696
chr22	45968547	45968547	+	1.666E-25	7.2128E-24	-0.2606	hypo	sig	chr22_45968547
chr5	1.5E+08	150189964	+	1.666E-25	7.2161E-24	0.256603	hyper	sig	chr5_150189964
chr2	94857363	94857363	+	1.669E-25	7.2254E-24	0.302286	hyper	sig	chr2_94857363
chr4	1.85E+08	185019452	+	1.67E-25	7.229E-24	0.226122	hyper	sig	chr4_185019452
chr19	15457747	15457747	+	1.671E-25	7.2333E-24	0.268635	hyper	sig	chr19_15457747
chr17	44558412	44558412	+	1.671E-25	7.2354E-24	0.337236	hyper	sig	chr17_44558412
chr3	4977070	4977070	+	1.674E-25	7.2473E-24	-0.29398	hypo	sig	chr3_4977070
chr15	74134587	74134587	+	1.675E-25	7.2488E-24	0.242428	hyper	sig	chr15_74134587
chr5	1.41E+08	141234777	+	1.675E-25	7.2488E-24	0.339532	hyper	sig	chr5_141234777
chr5	1.41E+08	141485031	+	1.679E-25	7.268E-24	0.319564	hyper	sig	chr5_141485031
chr6	50724448	50724448	+	1.681E-25	7.2772E-24	0.229603	hyper	sig	chr6_50724448
chr3	1.28E+08	128481900	+	1.685E-25	7.2918E-24	0.320075	hyper	sig	chr3_128481900
chr5	41509805	41509805	+	1.686E-25	7.2975E-24	0.313935	hyper	sig	chr5_41509805
chr16	1038438	1038438	+	1.687E-25	7.3013E-24	-0.32719	hypo	sig	chr16_1038438
chr6	10841482	10841482	+	1.689E-25	7.31E-24	-0.32238	hypo	sig	chr6_10841482
chr2	96500655	96500655	+	1.69E-25	7.3133E-24	0.336362	hyper	sig	chr2_96500655
chr11	76232249	76232249	+	1.693E-25	7.3234E-24	-0.32748	hypo	sig	chr11_76232249
chr12	24563639	24563639	+	1.696E-25	7.3382E-24	0.2505	hyper	sig	chr12_24563639
chr10	1366391	1366391	+	1.699E-25	7.3521E-24	-0.31709	hypo	sig	chr10_1366391
chr22	42289972	42289972	+	1.701E-25	7.3598E-24	0.28301	hyper	sig	chr22_42289972
chr16	502211	502211	+	1.703E-25	7.3674E-24	-0.44613	hypo	sig	chr16_502211
chr7	19118407	19118407	+	1.703E-25	7.3685E-24	0.350859	hyper	sig	chr7_19118407
chr5	79690063	79690063	+	1.705E-25	7.3746E-24	0.405837	hyper	sig	chr5_79690063
chr14	76138852	76138852	+	1.707E-25	7.3813E-24	0.397101	hyper	sig	chr14_76138852
chr5	1.14E+08	114055938	+	1.71E-25	7.3966E-24	0.339033	hyper	sig	chr5_114055938
chr2	2.06E+08	206274432	+	1.71E-25	7.3969E-24	0.223058	hyper	sig	chr2_206274432
chr2	820851	820851	+	1.711E-25	7.4003E-24	-0.30328	hypo	sig	chr2_820851
chr6	1.65E+08	165309197	+	1.712E-25	7.4046E-24	0.287789	hyper	sig	chr6_165309197
chr5	33937114	33937114	+	1.713E-25	7.4086E-24	0.337254	hyper	sig	chr5_33937114
chr3	1.82E+08	181726775	+	1.715E-25	7.4127E-24	0.263408	hyper	sig	chr3_181726775
chr6	1E+08	100458794	+	1.715E-25	7.4128E-24	0.323141	hyper	sig	chr6_100458794
chr20	63177994	63177994	+	1.715E-25	7.4161E-24	0.286421	hyper	sig	chr20_63177994
chr19	32869747	32869747	+	1.717E-25	7.4202E-24	-0.39218	hypo	sig	chr19_32869747
chr5	16180188	16180188	+	1.717E-25	7.4203E-24	0.362232	hyper	sig	chr5_16180188
chr2	1.55E+08	154698946	+	1.722E-25	7.442E-24	0.253046	hyper	sig	chr2_154698946
chr8	1.17E+08	116938242	+	1.722E-25	7.4439E-24	0.299308	hyper	sig	chr8_116938242
chr3	1.66E+08	166258611	+	1.725E-25	7.4542E-24	-0.3722	hypo	sig	chr3_166258611
chr20	54476489	54476489	+	1.729E-25	7.4703E-24	0.436909	hyper	sig	chr20_54476489
chr3	62377249	62377249	+	1.73E-25	7.4769E-24	0.339307	hyper	sig	chr3_62377249
chr4	26804557	26804557	+	1.731E-25	7.4785E-24	0.290893	hyper	sig	chr4_26804557
chr9	95086491	95086491	+	1.734E-25	7.494E-24	0.349191	hyper	sig	chr9_95086491
chr17	82875618	82875618	+	1.736E-25	7.5016E-24	-0.27784	hypo	sig	chr17_82875618
chr2	2.34E+08	233939024	+	1.737E-25	7.503E-24	0.289584	hyper	sig	chr2_233939024
chr19	5799359	5799359	+	1.739E-25	7.5135E-24	-0.32626	hypo	sig	chr19_5799359
chr2	2.22E+08	222424005	+	1.739E-25	7.5142E-24	-0.20684	hypo	sig	chr2_222424005
chr19	49133263	49133263	+	1.74E-25	7.517E-24	0.38538	hyper	sig	chr19_49133263
chr17	75784206	75784206	+	1.742E-25	7.5254E-24	-0.24324	hypo	sig	chr17_75784206
chr15	22262739	22262739	+	1.742E-25	7.5265E-24	-0.36052	hypo	sig	chr15_22262739
chr12	42145705	42145705	+	1.743E-25	7.5282E-24	-0.32345	hypo	sig	chr12_42145705
chr22	50187497	50187497	+	1.743E-25	7.5286E-24	-0.37498	hypo	sig	chr22_50187497
chr7	1.28E+08	128107293	+	1.744E-25	7.5318E-24	-0.32602	hypo	sig	chr7_128107293
chr10	1.3E+08	129960430	+	1.744E-25	7.5329E-24	0.374324	hyper	sig	chr10_129960430

chr8	11768986	11768986	+	1.748E-25	7.5478E-24	-0.25401	hypo	sig	chr8_11768986
chr17	41066438	41066438	+	1.75E-25	7.5553E-24	-0.3427	hypo	sig	chr17_41066438
chr9	970321	970321	+	1.751E-25	7.5621E-24	0.2725	hyper	sig	chr9_970321
chr2	1.31E+08	130964701	+	1.762E-25	7.6071E-24	0.281455	hyper	sig	chr2_130964701
chr12	42288353	42288353	+	1.764E-25	7.6158E-24	-0.23472	hypo	sig	chr12_42288353
chr2	97724192	97724192	+	1.767E-25	7.6264E-24	0.399698	hyper	sig	chr2_97724192
chr16	383398	383398	+	1.767E-25	7.6264E-24	-0.3389	hypo	sig	chr16_383398
chr15	29115652	29115652	+	1.768E-25	7.6298E-24	0.352551	hyper	sig	chr15_29115652
chr2	74436352	74436352	+	1.768E-25	7.6298E-24	0.268003	hyper	sig	chr2_74436352
chr7	24285442	24285442	+	1.768E-25	7.6298E-24	0.309709	hyper	sig	chr7_24285442
chr20	41134163	41134163	+	1.769E-25	7.6368E-24	-0.35592	hypo	sig	chr20_41134163
chr12	1.33E+08	132768743	+	1.772E-25	7.6494E-24	0.291431	hyper	sig	chr12_132768743
chr5	1444747	1444747	+	1.773E-25	7.6521E-24	0.273447	hyper	sig	chr5_1444747
chr1	1.81E+08	181096362	+	1.774E-25	7.6572E-24	0.294655	hyper	sig	chr1_181096362
chr9	1.31E+08	131274916	+	1.775E-25	7.6572E-24	-0.37735	hypo	sig	chr9_131274916
chr16	51151144	51151144	+	1.778E-25	7.6698E-24	0.426316	hyper	sig	chr16_51151144
chr4	2302133	2302133	+	1.779E-25	7.6753E-24	0.377302	hyper	sig	chr4_2302133
chr11	7505507	7505507	+	1.779E-25	7.6759E-24	-0.27428	hypo	sig	chr11_7505507
chr16	86565583	86565583	+	1.78E-25	7.6799E-24	0.3064	hyper	sig	chr16_86565583
chr18	9535946	9535946	+	1.78E-25	7.6803E-24	0.317594	hyper	sig	chr18_9535946
chr10	684071	684071	+	1.781E-25	7.6825E-24	0.307412	hyper	sig	chr10_684071
chr11	67400355	67400355	+	1.781E-25	7.6827E-24	0.292359	hyper	sig	chr11_67400355
chr1	1.19E+08	118990242	+	1.786E-25	7.7047E-24	0.292731	hyper	sig	chr1_118990242
chr7	1.55E+08	155070705	+	1.79E-25	7.7209E-24	0.343103	hyper	sig	chr7_155070705
chr5	1.41E+08	141485274	+	1.792E-25	7.7267E-24	0.323997	hyper	sig	chr5_141485274
chr2	2.42E+08	241985854	+	1.793E-25	7.7305E-24	-0.38221	hypo	sig	chr2_241985854
chr17	76700651	76700651	+	1.795E-25	7.7411E-24	0.311686	hyper	sig	chr17_76700651
chr19	57240323	57240323	+	1.797E-25	7.7485E-24	0.271696	hyper	sig	chr19_57240323
chr13	26051300	26051300	+	1.799E-25	7.7553E-24	0.323351	hyper	sig	chr13_26051300
chr3	1.22E+08	122184797	+	1.8E-25	7.7621E-24	0.334119	hyper	sig	chr3_122184797
chr16	85574886	85574886	+	1.801E-25	7.7657E-24	0.324951	hyper	sig	chr16_85574886
chr9	1.22E+08	121699388	+	1.802E-25	7.7679E-24	0.232792	hyper	sig	chr9_121699388
chr15	47184793	47184793	+	1.802E-25	7.7686E-24	0.242032	hyper	sig	chr15_47184793
chr12	1.31E+08	131446184	+	1.803E-25	7.772E-24	0.384425	hyper	sig	chr12_131446184
chr7	64574679	64574679	+	1.803E-25	7.7737E-24	0.304379	hyper	sig	chr7_64574679
chr7	1.59E+08	158990310	+	1.808E-25	7.7926E-24	-0.29044	hypo	sig	chr7_158990310
chr3	27730199	27730199	+	1.81E-25	7.8017E-24	0.294442	hyper	sig	chr3_27730199
chr16	3065842	3065842	+	1.81E-25	7.8022E-24	-0.29288	hypo	sig	chr16_3065842
chr4	92305389	92305389	+	1.813E-25	7.8128E-24	0.272899	hyper	sig	chr4_92305389
chr5	1.41E+08	141428204	+	1.813E-25	7.8143E-24	0.244774	hyper	sig	chr5_141428204
chr3	1.47E+08	147397197	+	1.815E-25	7.82E-24	0.289966	hyper	sig	chr3_147397197
chr4	1.07E+08	107037347	+	1.815E-25	7.8221E-24	0.253051	hyper	sig	chr4_107037347
chr3	84958702	84958702	+	1.816E-25	7.8226E-24	0.237958	hyper	sig	chr3_84958702
chr13	57629909	57629909	+	1.818E-25	7.8315E-24	0.3288	hyper	sig	chr13_57629909
chr7	1.36E+08	135727519	+	1.818E-25	7.8315E-24	-0.36819	hypo	sig	chr7_135727519
chr5	1.69E+08	168529911	+	1.821E-25	7.8456E-24	0.319296	hyper	sig	chr5_168529911
chr13	1.12E+08	112053507	+	1.822E-25	7.8502E-24	0.379223	hyper	sig	chr13_112053507
chr12	1.1E+08	109545268	+	1.823E-25	7.8507E-24	-0.32704	hypo	sig	chr12_109545268
chr20	46030327	46030327	+	1.823E-25	7.8536E-24	0.46283	hyper	sig	chr20_46030327
chr8	10426285	10426285	+	1.825E-25	7.8587E-24	0.301504	hyper	sig	chr8_10426285
chr4	1.85E+08	185018891	+	1.828E-25	7.8749E-24	0.258185	hyper	sig	chr4_185018891
chr10	1.01E+08	101290706	+	1.831E-25	7.8851E-24	-0.28919	hypo	sig	chr10_101290706
chr22	36325579	36325579	+	1.831E-25	7.8855E-24	0.36271	hyper	sig	chr22_36325579
chr1	44407963	44407963	+	1.835E-25	7.9018E-24	0.318594	hyper	sig	chr1_44407963
chr7	2116214	2116214	+	1.836E-25	7.904E-24	0.293137	hyper	sig	chr7_2116214
chr3	1.22E+08	122183650	+	1.839E-25	7.9182E-24	0.208567	hyper	sig	chr3_122183650

chr16	89103327	89103327	+	1.84E-25	7.92E-24	-0.33805	hypo	sig	chr16_89103327
chr6	1.66E+08	165664181	+	1.84E-25	7.9226E-24	0.293427	hyper	sig	chr6_165664181
chr3	1.47E+08	147397199	+	1.84E-25	7.9226E-24	0.27519	hyper	sig	chr3_147397199
chr17	30235111	30235111	+	1.847E-25	7.9491E-24	0.279593	hyper	sig	chr17_30235111
chr2	1.82E+08	181684681	+	1.849E-25	7.957E-24	0.266302	hyper	sig	chr2_181684681
chr11	2534387	2534387	+	1.852E-25	7.9713E-24	-0.3233	hypo	sig	chr11_2534387
chr5	41509901	41509901	+	1.856E-25	7.9866E-24	0.30747	hyper	sig	chr5_41509901
chr3	1.95E+08	194687084	+	1.856E-25	7.9879E-24	0.201459	hyper	sig	chr3_194687084
chr3	1.47E+08	147411178	+	1.856E-25	7.9892E-24	0.378833	hyper	sig	chr3_147411178
chr3	1.27E+08	126559177	+	1.857E-25	7.991E-24	-0.32096	hypo	sig	chr3_126559177
chr5	2747878	2747878	+	1.86E-25	8.0026E-24	0.299144	hyper	sig	chr5_2747878
chr4	3263553	3263553	+	1.862E-25	8.0103E-24	-0.34022	hypo	sig	chr4_3263553
chr3	52779843	52779843	+	1.862E-25	8.0128E-24	-0.29836	hypo	sig	chr3_52779843
chr1	1.8E+08	179743198	+	1.866E-25	8.0291E-24	0.232948	hyper	sig	chr1_179743198
chr1	16521078	16521078	+	1.867E-25	8.0314E-24	0.398775	hyper	sig	chr1_16521078
chr5	43019831	43019831	+	1.869E-25	8.038E-24	-0.21042	hypo	sig	chr5_43019831
chr11	92225230	92225230	+	1.87E-25	8.0437E-24	0.308768	hyper	sig	chr11_92225230
chr19	46466662	46466662	+	1.871E-25	8.0487E-24	-0.28376	hypo	sig	chr19_46466662
chr7	19144306	19144306	+	1.874E-25	8.0605E-24	0.323334	hyper	sig	chr7_19144306
chr16	56190661	56190661	+	1.874E-25	8.0609E-24	0.295602	hyper	sig	chr16_56190661
chr10	99530527	99530527	+	1.876E-25	8.0684E-24	0.296344	hyper	sig	chr10_99530527
chr8	1931443	1931443	+	1.876E-25	8.0684E-24	-0.3233	hypo	sig	chr8_1931443
chr2	1.19E+08	118843119	+	1.878E-25	8.0753E-24	0.285678	hyper	sig	chr2_118843119
chr6	31946544	31946544	+	1.88E-25	8.0844E-24	-0.28466	hypo	sig	chr6_31946544
chr2	20670522	20670522	+	1.881E-25	8.0882E-24	0.314246	hyper	sig	chr2_20670522
chr7	45575789	45575789	+	1.881E-25	8.0892E-24	0.283062	hyper	sig	chr7_45575789
chr5	15918831	15918831	+	1.883E-25	8.0964E-24	-0.3553	hypo	sig	chr5_15918831
chr2	96500671	96500671	+	1.884E-25	8.0995E-24	0.329081	hyper	sig	chr2_96500671
chr20	63177992	63177992	+	1.884E-25	8.101E-24	0.292536	hyper	sig	chr20_63177992
chr1	16939059	16939059	+	1.885E-25	8.1037E-24	0.327699	hyper	sig	chr1_16939059
chr22	38429949	38429949	+	1.886E-25	8.1071E-24	0.396505	hyper	sig	chr22_38429949
chr11	66639766	66639766	+	1.887E-25	8.1088E-24	0.279063	hyper	sig	chr11_66639766
chr7	4639095	4639095	+	1.887E-25	8.1109E-24	-0.33824	hypo	sig	chr7_4639095
chr17	34156931	34156931	+	1.888E-25	8.112E-24	0.243021	hyper	sig	chr17_34156931
chr13	36920665	36920665	+	1.89E-25	8.1212E-24	0.355068	hyper	sig	chr13_36920665
chr10	70256462	70256462	+	1.891E-25	8.1247E-24	-0.32405	hypo	sig	chr10_70256462
chr12	49903737	49903737	+	1.893E-25	8.1357E-24	0.389852	hyper	sig	chr12_49903737
chr17	83075508	83075508	+	1.895E-25	8.1409E-24	-0.30507	hypo	sig	chr17_83075508
chr14	21087499	21087499	+	1.895E-25	8.1431E-24	0.238655	hyper	sig	chr14_21087499
chr19	52493295	52493295	+	1.898E-25	8.1526E-24	0.398403	hyper	sig	chr19_52493295
chr5	1.41E+08	141485052	+	1.899E-25	8.1564E-24	0.321701	hyper	sig	chr5_141485052
chr1	2.43E+08	242523713	+	1.9E-25	8.1631E-24	0.347867	hyper	sig	chr1_242523713
chr19	20661392	20661392	+	1.901E-25	8.1662E-24	0.275438	hyper	sig	chr19_20661392
chr17	80064328	80064328	+	1.902E-25	8.1701E-24	-0.30044	hypo	sig	chr17_80064328
chr4	1.51E+08	150584365	+	1.903E-25	8.1748E-24	0.334314	hyper	sig	chr4_150584365
chr18	905006	905006	+	1.906E-25	8.1878E-24	0.319695	hyper	sig	chr18_905006
chr1	1.19E+08	118984465	+	1.909E-25	8.2002E-24	0.227865	hyper	sig	chr1_118984465
chr2	8709879	8709879	+	1.91E-25	8.2004E-24	-0.30146	hypo	sig	chr2_8709879
chr16	84795412	84795412	+	1.91E-25	8.2016E-24	0.27975	hyper	sig	chr16_84795412
chr17	65553215	65553215	+	1.914E-25	8.2169E-24	-0.30118	hypo	sig	chr17_65553215
chr9	35676212	35676212	+	1.918E-25	8.2355E-24	0.348925	hyper	sig	chr9_35676212
chr19	56368069	56368069	+	1.921E-25	8.2475E-24	0.317626	hyper	sig	chr19_56368069
chr11	1.3E+08	130162905	+	1.921E-25	8.2479E-24	-0.3159	hypo	sig	chr11_130162905
chr7	1.49E+08	149415295	+	1.923E-25	8.2546E-24	0.293104	hyper	sig	chr7_149415295
chr20	41134153	41134153	+	1.927E-25	8.2718E-24	-0.31294	hypo	sig	chr20_41134153
chr10	55628595	55628595	+	1.935E-25	8.3052E-24	0.332258	hyper	sig	chr10_55628595

chr5	42813794	42813794	+	1.937E-25	8.3154E-24	0.261462	hyper	sig	chr5_42813794
chr2	2.22E+08	222300150	+	1.939E-25	8.3232E-24	0.301241	hyper	sig	chr2_222300150
chr6	1.67E+08	166867399	+	1.941E-25	8.332E-24	0.292117	hyper	sig	chr6_166867399
chr2	38077576	38077576	+	1.946E-25	8.3493E-24	-0.20411	hypo	sig	chr2_38077576
chr3	1.84E+08	184492265	+	1.948E-25	8.359E-24	0.349423	hyper	sig	chr3_184492265
chr3	61250198	61250198	+	1.951E-25	8.3717E-24	-0.2669	hypo	sig	chr3_61250198
chr4	6028776	6028776	+	1.957E-25	8.3958E-24	-0.33737	hypo	sig	chr4_6028776
chr1	2174837	2174837	+	1.959E-25	8.4058E-24	0.290835	hyper	sig	chr1_2174837
chr15	63597555	63597555	+	1.962E-25	8.4159E-24	0.352013	hyper	sig	chr15_63597555
chr2	74515235	74515235	+	1.966E-25	8.4344E-24	0.365846	hyper	sig	chr2_74515235
chr19	38975169	38975169	+	1.969E-25	8.4469E-24	0.334573	hyper	sig	chr19_38975169
chr16	85845522	85845522	+	1.973E-25	8.4618E-24	0.266074	hyper	sig	chr16_85845522
chr7	54545016	54545016	+	1.975E-25	8.4736E-24	0.369996	hyper	sig	chr7_54545016
chr5	6729560	6729560	+	1.976E-25	8.4758E-24	-0.31314	hypo	sig	chr5_6729560
chr12	1.14E+08	114414286	+	1.984E-25	8.5081E-24	0.276736	hyper	sig	chr12_114414286
chr21	33383375	33383375	+	1.99E-25	8.5351E-24	-0.21218	hypo	sig	chr21_33383375
chr4	1.4E+08	139551648	+	1.991E-25	8.5372E-24	0.237448	hyper	sig	chr4_139551648
chr1	15605932	15605932	+	1.994E-25	8.5483E-24	-0.30384	hypo	sig	chr1_15605932
chr1	2.21E+08	220878416	+	1.994E-25	8.5483E-24	0.310027	hyper	sig	chr1_220878416
chr5	5139653	5139653	+	1.995E-25	8.552E-24	0.391602	hyper	sig	chr5_5139653
chr5	1.41E+08	141051483	+	1.996E-25	8.5569E-24	0.305491	hyper	sig	chr5_141051483
chr12	1.31E+08	131217055	+	1.998E-25	8.5637E-24	0.296898	hyper	sig	chr12_131217055
chr5	2749664	2749664	+	2.002E-25	8.5803E-24	0.385263	hyper	sig	chr5_2749664
chr6	28443515	28443515	+	2.004E-25	8.5913E-24	0.242867	hyper	sig	chr6_28443515
chr8	1.44E+08	143939104	+	2.005E-25	8.5949E-24	-0.251	hypo	sig	chr8_143939104
chr7	1.37E+08	136869141	+	2.007E-25	8.6025E-24	0.362156	hyper	sig	chr7_136869141
chr7	1.37E+08	136868828	+	2.009E-25	8.6084E-24	0.306179	hyper	sig	chr7_136868828
chr10	1.24E+08	123891510	+	2.014E-25	8.6317E-24	0.340154	hyper	sig	chr10_123891510
chr7	23247807	23247807	+	2.015E-25	8.6357E-24	0.230969	hyper	sig	chr7_23247807
chr17	5499859	5499859	+	2.016E-25	8.6383E-24	0.317085	hyper	sig	chr17_5499859
chr16	70686483	70686483	+	2.016E-25	8.6392E-24	0.349849	hyper	sig	chr16_70686483
chr19	30218620	30218620	+	2.018E-25	8.6454E-24	-0.37568	hypo	sig	chr19_30218620
chr13	1.12E+08	112055224	+	2.019E-25	8.6496E-24	0.335353	hyper	sig	chr13_112055224
chr12	57739705	57739705	+	2.021E-25	8.6601E-24	0.300039	hyper	sig	chr12_57739705
chr16	1221153	1221153	+	2.022E-25	8.6606E-24	-0.43198	hypo	sig	chr16_1221153
chr5	1103291	1103291	+	2.022E-25	8.6606E-24	0.292217	hyper	sig	chr5_1103291
chr5	1.41E+08	141182318	+	2.022E-25	8.6606E-24	0.249555	hyper	sig	chr5_141182318
chr14	74239371	74239371	+	2.023E-25	8.6672E-24	0.282121	hyper	sig	chr14_74239371
chr20	38674381	38674381	+	2.024E-25	8.6708E-24	0.397417	hyper	sig	chr20_38674381
chr20	21514868	21514868	+	2.025E-25	8.6736E-24	0.28767	hyper	sig	chr20_21514868
chr5	1444749	1444749	+	2.029E-25	8.689E-24	0.271764	hyper	sig	chr5_1444749
chr1	18632351	18632351	+	2.035E-25	8.7133E-24	0.337223	hyper	sig	chr1_18632351
chr3	49719138	49719138	+	2.035E-25	8.715E-24	0.225859	hyper	sig	chr3_49719138
chr10	1.01E+08	101140635	+	2.037E-25	8.7222E-24	0.378405	hyper	sig	chr10_101140635
chr17	42784733	42784733	+	2.038E-25	8.7265E-24	0.32887	hyper	sig	chr17_42784733
chr10	1.08E+08	107914559	+	2.042E-25	8.7446E-24	0.257127	hyper	sig	chr10_107914559
chr4	2301991	2301991	+	2.043E-25	8.7473E-24	0.296426	hyper	sig	chr4_2301991
chr19	696952	696952	+	2.045E-25	8.7547E-24	-0.33628	hypo	sig	chr19_696952
chr17	81978726	81978726	+	2.053E-25	8.7862E-24	-0.38256	hypo	sig	chr17_81978726
chr7	64877537	64877537	+	2.055E-25	8.7975E-24	0.413247	hyper	sig	chr7_64877537
chr5	1.41E+08	141182316	+	2.056E-25	8.7994E-24	0.247958	hyper	sig	chr5_141182316
chr7	1.01E+08	101299760	+	2.056E-25	8.8004E-24	0.310627	hyper	sig	chr7_101299760
chr1	21944258	21944258	+	2.06E-25	8.8152E-24	0.292414	hyper	sig	chr1_21944258
chr1	18632818	18632818	+	2.062E-25	8.8254E-24	0.320948	hyper	sig	chr1_18632818
chr17	440340	440340	+	2.066E-25	8.8422E-24	-0.33982	hypo	sig	chr17_440340
chr1	20552249	20552249	+	2.073E-25	8.8694E-24	0.364922	hyper	sig	chr1_20552249

chr19	15722998	15722998	+	2.074E-25	8.8732E-24	0.339874	hyper	sig	chr19_15722998
chr7	64877564	64877564	+	2.074E-25	8.875E-24	0.377954	hyper	sig	chr7_64877564
chr19	48837232	48837232	+	2.076E-25	8.8811E-24	0.296231	hyper	sig	chr19_48837232
chr9	1.31E+08	130824635	+	2.081E-25	8.9039E-24	0.323857	hyper	sig	chr9_130824635
chr22	29438561	29438561	+	2.084E-25	8.914E-24	-0.26735	hypo	sig	chr22_29438561
chr5	1.59E+08	159097340	+	2.086E-25	8.9246E-24	0.329445	hyper	sig	chr5_159097340
chr5	14441005	14441005	+	2.089E-25	8.9346E-24	0.387384	hyper	sig	chr5_14441005
chr5	1.5E+08	150190030	+	2.09E-25	8.9401E-24	0.345677	hyper	sig	chr5_150190030
chr2	1.82E+08	181678523	+	2.094E-25	8.9557E-24	0.298	hyper	sig	chr2_181678523
chr12	29150266	29150266	+	2.101E-25	8.9866E-24	-0.32108	hypo	sig	chr12_29150266
chr14	60510572	60510572	+	2.103E-25	8.9925E-24	0.324387	hyper	sig	chr14_60510572
chr14	51752312	51752312	+	2.106E-25	9.0061E-24	-0.34334	hypo	sig	chr14_51752312
chr11	1.17E+08	117199846	+	2.107E-25	9.0115E-24	0.387055	hyper	sig	chr11_117199846
chr19	57103888	57103888	+	2.109E-25	9.0176E-24	0.369776	hyper	sig	chr19_57103888
chr22	30542070	30542070	+	2.111E-25	9.0259E-24	0.322146	hyper	sig	chr22_30542070
chr1	16226885	16226885	+	2.113E-25	9.0319E-24	0.333893	hyper	sig	chr1_16226885
chr1	2.01E+08	201469856	+	2.115E-25	9.0418E-24	0.340872	hyper	sig	chr1_201469856
chr10	1.01E+08	101227639	+	2.115E-25	9.0418E-24	0.243504	hyper	sig	chr10_101227639
chr13	70108225	70108225	+	2.115E-25	9.0428E-24	0.400674	hyper	sig	chr13_70108225
chr2	2.2E+08	219638378	+	2.116E-25	9.0463E-24	-0.33118	hypo	sig	chr2_219638378
chr3	1.73E+08	173141127	+	2.116E-25	9.0463E-24	-0.3164	hypo	sig	chr3_173141127
chr4	1.6E+08	160481854	+	2.118E-25	9.0507E-24	-0.34548	hypo	sig	chr4_160481854
chr1	78491501	78491501	+	2.118E-25	9.0514E-24	0.310142	hyper	sig	chr1_78491501
chr2	2.03E+08	203237716	+	2.119E-25	9.0561E-24	0.227473	hyper	sig	chr2_203237716
chr19	23002839	23002839	+	2.119E-25	9.0572E-24	0.313935	hyper	sig	chr19_23002839
chr2	94735636	94735636	+	2.121E-25	9.0624E-24	0.315314	hyper	sig	chr2_94735636
chr4	1.11E+08	110630687	+	2.122E-25	9.0658E-24	0.317867	hyper	sig	chr4_110630687
chr3	1.42E+08	141797429	+	2.125E-25	9.0796E-24	0.407532	hyper	sig	chr3_141797429
chr10	70552337	70552337	+	2.126E-25	9.082E-24	0.335744	hyper	sig	chr10_70552337
chr1	1.14E+08	114154469	+	2.129E-25	9.0965E-24	0.232192	hyper	sig	chr1_114154469
chr2	2.02E+08	202171401	+	2.13E-25	9.0992E-24	0.308311	hyper	sig	chr2_202171401
chr19	11394108	11394108	+	2.131E-25	9.1026E-24	-0.28804	hypo	sig	chr19_11394108
chr20	38448083	38448083	+	2.131E-25	9.1026E-24	-0.26307	hypo	sig	chr20_38448083
chr10	1.01E+08	101236469	+	2.134E-25	9.1157E-24	0.25464	hyper	sig	chr10_101236469
chr19	35757047	35757047	+	2.134E-25	9.1164E-24	0.278358	hyper	sig	chr19_35757047
chr17	1780197	1780197	+	2.135E-25	9.1203E-24	0.33182	hyper	sig	chr17_1780197
chr16	66604352	66604352	+	2.136E-25	9.1215E-24	0.316235	hyper	sig	chr16_66604352
chr15	57591194	57591194	+	2.14E-25	9.1406E-24	-0.34801	hypo	sig	chr15_57591194
chr17	78974775	78974775	+	2.141E-25	9.1426E-24	0.320838	hyper	sig	chr17_78974775
chr2	44955038	44955038	+	2.143E-25	9.1516E-24	0.251983	hyper	sig	chr2_44955038
chr11	65557680	65557680	+	2.149E-25	9.1755E-24	0.24547	hyper	sig	chr11_65557680
chr11	2160379	2160379	+	2.15E-25	9.1816E-24	-0.28972	hypo	sig	chr11_2160379
chr4	1405447	1405447	+	2.151E-25	9.185E-24	0.379511	hyper	sig	chr4_1405447
chr11	61446030	61446030	+	2.153E-25	9.1908E-24	0.259117	hyper	sig	chr11_61446030
chr6	31766033	31766033	+	2.153E-25	9.1908E-24	0.282078	hyper	sig	chr6_31766033
chr17	45261834	45261834	+	2.156E-25	9.2047E-24	0.361152	hyper	sig	chr17_45261834
chr6	28490109	28490109	+	2.157E-25	9.2083E-24	0.286638	hyper	sig	chr6_28490109
chr19	10818020	10818020	+	2.158E-25	9.2089E-24	0.286453	hyper	sig	chr19_10818020
chr1	2.26E+08	226128186	+	2.16E-25	9.2171E-24	-0.22092	hypo	sig	chr1_226128186
chr13	1.14E+08	114131165	+	2.163E-25	9.2321E-24	0.338294	hyper	sig	chr13_114131165
chr8	1.42E+08	142450705	+	2.165E-25	9.241E-24	0.252736	hyper	sig	chr8_142450705
chr7	91267284	91267284	+	2.168E-25	9.2533E-24	0.352348	hyper	sig	chr7_91267284
chr2	2.38E+08	237701155	+	2.17E-25	9.2587E-24	0.299692	hyper	sig	chr2_237701155
chr6	99606739	99606739	+	2.171E-25	9.2642E-24	0.276232	hyper	sig	chr6_99606739
chr5	1536349	1536349	+	2.174E-25	9.2748E-24	-0.3247	hypo	sig	chr5_1536349
chr12	53960806	53960806	+	2.175E-25	9.2778E-24	0.324545	hyper	sig	chr12_53960806

chr6	1.63E+08	163129422	+	2.176E-25	9.2827E-24	-0.30901	hypo	sig	chr6_163129422
chr11	8169143	8169143	+	2.177E-25	9.2889E-24	0.2575	hyper	sig	chr11_8169143
chr11	1.19E+08	119422095	+	2.179E-25	9.2959E-24	0.25528	hyper	sig	chr11_119422095
chr6	44342677	44342677	+	2.182E-25	9.3075E-24	0.237008	hyper	sig	chr6_44342677
chr2	96500762	96500762	+	2.182E-25	9.3086E-24	0.382192	hyper	sig	chr2_96500762
chr13	1.12E+08	111945351	+	2.184E-25	9.3147E-24	-0.32623	hypo	sig	chr13_111945351
chr12	6708423	6708423	+	2.186E-25	9.3247E-24	-0.30208	hypo	sig	chr12_6708423
chr12	3493447	3493447	+	2.187E-25	9.3252E-24	0.311702	hyper	sig	chr12_3493447
chr12	52233552	52233552	+	2.188E-25	9.3286E-24	0.380913	hyper	sig	chr12_52233552
chr8	64369015	64369015	+	2.189E-25	9.3323E-24	0.29249	hyper	sig	chr8_64369015
chr16	88978064	88978064	+	2.189E-25	9.3334E-24	-0.36546	hypo	sig	chr16_88978064
chr1	13583714	13583714	+	2.19E-25	9.3367E-24	0.24137	hyper	sig	chr1_13583714
chr1	40312685	40312685	+	2.19E-25	9.3375E-24	-0.38346	hypo	sig	chr1_40312685
chr16	23836299	23836299	+	2.193E-25	9.3485E-24	0.223008	hyper	sig	chr16_23836299
chr12	1.14E+08	114403083	+	2.195E-25	9.3584E-24	0.352667	hyper	sig	chr12_114403083
chr2	2.22E+08	222426299	+	2.195E-25	9.3584E-24	-0.32933	hypo	sig	chr2_222426299
chr5	1.76E+08	175773409	+	2.196E-25	9.3604E-24	0.224295	hyper	sig	chr5_175773409
chr1	27572514	27572514	+	2.2E-25	9.3775E-24	0.291808	hyper	sig	chr1_27572514
chr19	37403079	37403079	+	2.2E-25	9.3782E-24	-0.30861	hypo	sig	chr19_37403079
chr17	79981566	79981566	+	2.201E-25	9.3788E-24	0.249093	hyper	sig	chr17_79981566
chr19	6534781	6534781	+	2.203E-25	9.3867E-24	0.289303	hyper	sig	chr19_6534781
chr13	57630090	57630090	+	2.205E-25	9.3972E-24	0.464041	hyper	sig	chr13_57630090
chr2	1.29E+08	128785449	+	2.211E-25	9.4203E-24	-0.23913	hypo	sig	chr2_128785449
chr21	43826397	43826397	+	2.211E-25	9.422E-24	0.280243	hyper	sig	chr21_43826397
chr1	47444653	47444653	+	2.214E-25	9.4346E-24	0.259076	hyper	sig	chr1_47444653
chr11	20163145	20163145	+	2.215E-25	9.4374E-24	0.307092	hyper	sig	chr11_20163145
chr8	11019802	11019802	+	2.218E-25	9.4517E-24	-0.33453	hypo	sig	chr8_11019802
chr7	21547367	21547367	+	2.22E-25	9.4559E-24	-0.28171	hypo	sig	chr7_21547367
chr2	1.37E+08	136766107	+	2.222E-25	9.4671E-24	0.327443	hyper	sig	chr2_136766107
chr17	62138038	62138038	+	2.227E-25	9.4851E-24	0.326731	hyper	sig	chr17_62138038
chr6	30127772	30127772	+	2.229E-25	9.4924E-24	0.327497	hyper	sig	chr6_30127772
chr4	3766890	3766890	+	2.23E-25	9.4982E-24	0.300548	hyper	sig	chr4_3766890
chr1	90724506	90724506	+	2.231E-25	9.504E-24	0.33677	hyper	sig	chr1_90724506
chr11	1.04E+08	104165214	+	2.235E-25	9.5171E-24	-0.27614	hypo	sig	chr11_104165214
chr1	37034883	37034883	+	2.235E-25	9.5197E-24	0.247106	hyper	sig	chr1_37034883
chr14	20435492	20435492	+	2.236E-25	9.5205E-24	0.409053	hyper	sig	chr14_20435492
chr9	1.24E+08	124012950	+	2.236E-25	9.5231E-24	0.263423	hyper	sig	chr9_124012950
chr8	54470114	54470114	+	2.244E-25	9.5558E-24	0.361187	hyper	sig	chr8_54470114
chr17	40542723	40542723	+	2.246E-25	9.5641E-24	0.268211	hyper	sig	chr17_40542723
chr2	2.42E+08	241985807	+	2.247E-25	9.5665E-24	-0.39735	hypo	sig	chr2_241985807
chr19	1295717	1295717	+	2.249E-25	9.5728E-24	0.335844	hyper	sig	chr19_1295717
chr19	372965	372965	+	2.25E-25	9.58E-24	-0.31363	hypo	sig	chr19_372965
chr13	1.12E+08	112132413	+	2.253E-25	9.5914E-24	-0.36261	hypo	sig	chr13_112132413
chr8	64369094	64369094	+	2.255E-25	9.5993E-24	0.329377	hyper	sig	chr8_64369094
chr14	77140860	77140860	+	2.256E-25	9.6027E-24	0.351374	hyper	sig	chr14_77140860
chr4	30723180	30723180	+	2.259E-25	9.6156E-24	0.323009	hyper	sig	chr4_30723180
chr3	1.39E+08	138939569	+	2.265E-25	9.6382E-24	0.335081	hyper	sig	chr3_138939569
chr16	165456	165456	+	2.267E-25	9.6462E-24	0.273622	hyper	sig	chr16_165456
chr1	18632962	18632962	+	2.268E-25	9.6517E-24	0.247481	hyper	sig	chr1_18632962
chr20	9514848	9514848	+	2.27E-25	9.6608E-24	0.236066	hyper	sig	chr20_9514848
chr14	1.05E+08	104564906	+	2.271E-25	9.6623E-24	-0.33381	hypo	sig	chr14_104564906
chr4	7288131	7288131	+	2.271E-25	9.6623E-24	-0.36322	hypo	sig	chr4_7288131
chr11	65546506	65546506	+	2.281E-25	9.7054E-24	-0.27386	hypo	sig	chr11_65546506
chr7	5300671	5300671	+	2.283E-25	9.7114E-24	-0.33831	hypo	sig	chr7_5300671
chr21	36707315	36707315	+	2.283E-25	9.7134E-24	0.314554	hyper	sig	chr21_36707315
chr3	1.39E+08	138936996	+	2.288E-25	9.7316E-24	0.243192	hyper	sig	chr3_138936996

chr20	60087450	60087450	+	2.29E-25	9.7429E-24	0.425306	hyper	sig	chr20_60087450
chr7	1.54E+08	154053299	+	2.292E-25	9.7488E-24	0.352396	hyper	sig	chr7_154053299
chr1	1.19E+08	118984469	+	2.297E-25	9.7682E-24	0.252209	hyper	sig	chr1_118984469
chr1	92218241	92218241	+	2.299E-25	9.7775E-24	-0.36896	hypo	sig	chr1_92218241
chr17	77960428	77960428	+	2.299E-25	9.7792E-24	0.34366	hyper	sig	chr17_77960428
chr16	1023508	1023508	+	2.301E-25	9.784E-24	-0.28287	hypo	sig	chr16_1023508
chr4	4858395	4858395	+	2.307E-25	9.8103E-24	0.349953	hyper	sig	chr4_4858395
chr10	1.01E+08	101223658	+	2.309E-25	9.8169E-24	0.30281	hyper	sig	chr10_101223658
chr11	1.23E+08	122981576	+	2.31E-25	9.82E-24	0.397906	hyper	sig	chr11_122981576
chr1	18632188	18632188	+	2.311E-25	9.8274E-24	0.352726	hyper	sig	chr1_18632188
chr16	84795223	84795223	+	2.314E-25	9.8372E-24	0.363434	hyper	sig	chr16_84795223
chr12	45051029	45051029	+	2.315E-25	9.8415E-24	0.315318	hyper	sig	chr12_45051029
chr5	14441007	14441007	+	2.316E-25	9.8435E-24	0.387936	hyper	sig	chr5_14441007
chr7	45921883	45921883	+	2.318E-25	9.8527E-24	0.294737	hyper	sig	chr7_45921883
chr10	5546235	5546235	+	2.32E-25	9.8625E-24	-0.29931	hypo	sig	chr10_5546235
chr19	16283656	16283656	+	2.323E-25	9.8748E-24	0.305909	hyper	sig	chr19_16283656
chr4	305039	305039	+	2.326E-25	9.8866E-24	0.285026	hyper	sig	chr4_305039
chr12	29784408	29784408	+	2.328E-25	9.8923E-24	0.370747	hyper	sig	chr12_29784408
chr10	12825771	12825771	+	2.329E-25	9.8974E-24	0.425266	hyper	sig	chr10_12825771
chr12	1.17E+08	117033203	+	2.33E-25	9.8998E-24	0.36324	hyper	sig	chr12_117033203
chr13	36674829	36674829	+	2.331E-25	9.9071E-24	0.296881	hyper	sig	chr13_36674829
chr19	23117476	23117476	+	2.332E-25	9.9086E-24	0.205374	hyper	sig	chr19_23117476
chr7	1.49E+08	149462320	+	2.332E-25	9.91E-24	-0.29717	hypo	sig	chr7_149462320
chr11	69295685	69295685	+	2.333E-25	9.9138E-24	-0.26684	hypo	sig	chr11_69295685
chr19	57099528	57099528	+	2.335E-25	9.9215E-24	0.39398	hyper	sig	chr19_57099528
chr7	38975997	38975997	+	2.336E-25	9.9233E-24	0.342779	hyper	sig	chr7_38975997
chr21	44708985	44708985	+	2.336E-25	9.9246E-24	0.398506	hyper	sig	chr21_44708985
chr7	1.58E+08	157675737	+	2.338E-25	9.9294E-24	-0.33469	hypo	sig	chr7_157675737
chr9	35676214	35676214	+	2.343E-25	9.9502E-24	0.337945	hyper	sig	chr9_35676214
chr20	30316182	30316182	+	2.345E-25	9.9586E-24	0.373212	hyper	sig	chr20_30316182
chr13	27442473	27442473	+	2.347E-25	9.966E-24	-0.36127	hypo	sig	chr13_27442473
chr3	62370622	62370622	+	2.347E-25	9.9684E-24	0.281836	hyper	sig	chr3_62370622
chr16	15144668	15144668	+	2.354E-25	9.9977E-24	0.386042	hyper	sig	chr16_15144668
chr6	10410301	10410301	+	2.359E-25	1.0017E-23	0.368187	hyper	sig	chr6_10410301
chr13	25372706	25372706	+	2.363E-25	1.0032E-23	0.426834	hyper	sig	chr13_25372706
chr14	1.01E+08	101061786	+	2.363E-25	1.0034E-23	-0.35069	hypo	sig	chr14_101061786
chr1	2.21E+08	220880916	+	2.364E-25	1.0035E-23	0.221348	hyper	sig	chr1_220880916
chr16	67843479	67843479	+	2.368E-25	1.0055E-23	0.277794	hyper	sig	chr16_67843479
chr7	4882223	4882223	+	2.369E-25	1.0057E-23	0.328496	hyper	sig	chr7_4882223
chr11	72244599	72244599	+	2.369E-25	1.0058E-23	0.398876	hyper	sig	chr11_72244599
chr5	1.41E+08	141235183	+	2.371E-25	1.0066E-23	0.325955	hyper	sig	chr5_141235183
chr19	16081954	16081954	+	2.379E-25	1.0096E-23	0.392157	hyper	sig	chr19_16081954
chr19	2251852	2251852	+	2.38E-25	1.0102E-23	0.229577	hyper	sig	chr19_2251852
chr19	46471405	46471405	+	2.385E-25	1.0122E-23	0.328936	hyper	sig	chr19_46471405
chr17	36933995	36933995	+	2.388E-25	1.0135E-23	0.318218	hyper	sig	chr17_36933995
chr2	2.32E+08	231661037	+	2.39E-25	1.0143E-23	-0.27729	hypo	sig	chr2_231661037
chr2	70889508	70889508	+	2.397E-25	1.017E-23	0.250393	hyper	sig	chr2_70889508
chr16	86513790	86513790	+	2.401E-25	1.0186E-23	0.389486	hyper	sig	chr16_86513790
chr20	41367084	41367084	+	2.406E-25	1.0207E-23	0.29964	hyper	sig	chr20_41367084
chr10	1.03E+08	102776278	+	2.413E-25	1.0238E-23	0.296095	hyper	sig	chr10_102776278
chr13	31945886	31945886	+	2.414E-25	1.0242E-23	-0.376	hypo	sig	chr13_31945886
chr20	63395045	63395045	+	2.416E-25	1.0251E-23	-0.30409	hypo	sig	chr20_63395045
chr2	1592002	1592002	+	2.419E-25	1.026E-23	0.26698	hyper	sig	chr2_1592002
chr3	14810246	14810246	+	2.422E-25	1.0273E-23	0.289063	hyper	sig	chr3_14810246
chr11	7252298	7252298	+	2.423E-25	1.0278E-23	0.30108	hyper	sig	chr11_7252298
chr11	624603	624603	+	2.427E-25	1.0294E-23	-0.29592	hypo	sig	chr11_624603

chr12	52233536	52233536	+	2.43E-25	1.0305E-23	0.372723	hyper	sig	chr12_52233536
chr7	43113987	43113987	+	2.431E-25	1.0309E-23	0.244599	hyper	sig	chr7_43113987
chr7	921805	921805	+	2.434E-25	1.0322E-23	-0.27585	hypo	sig	chr7_921805
chr20	61939228	61939228	+	2.435E-25	1.0326E-23	-0.33696	hypo	sig	chr20_61939228
chr5	1.41E+08	141383142	+	2.439E-25	1.0341E-23	0.290335	hyper	sig	chr5_141383142
chr14	1.04E+08	103520016	+	2.439E-25	1.0342E-23	0.284518	hyper	sig	chr14_103520016
chr6	27505844	27505844	+	2.443E-25	1.0356E-23	0.320908	hyper	sig	chr6_27505844
chr1	1.55E+08	154970070	+	2.448E-25	1.0377E-23	0.320057	hyper	sig	chr1_154970070
chr1	1.19E+08	118984786	+	2.449E-25	1.0384E-23	0.243734	hyper	sig	chr1_118984786
chr4	80267222	80267222	+	2.452E-25	1.0392E-23	0.300816	hyper	sig	chr4_80267222
chr17	73349399	73349399	+	2.453E-25	1.0396E-23	0.262877	hyper	sig	chr17_73349399
chr8	2089968	2089968	+	2.453E-25	1.0396E-23	-0.38075	hypo	sig	chr8_2089968
chr10	55630546	55630546	+	2.454E-25	1.04E-23	0.344488	hyper	sig	chr10_55630546
chr17	40937406	40937406	+	2.454E-25	1.0401E-23	-0.32052	hypo	sig	chr17_40937406
chr13	1.13E+08	113420367	+	2.455E-25	1.0404E-23	-0.37179	hypo	sig	chr13_113420367
chr9	1.37E+08	136658283	+	2.457E-25	1.0413E-23	-0.32229	hypo	sig	chr9_136658283
chr1	37475782	37475782	+	2.462E-25	1.0433E-23	-0.33207	hypo	sig	chr1_37475782
chr13	23451422	23451422	+	2.464E-25	1.0439E-23	-0.36717	hypo	sig	chr13_23451422
chr2	2.27E+08	226790644	+	2.466E-25	1.0447E-23	-0.27782	hypo	sig	chr2_226790644
chr8	66961187	66961187	+	2.47E-25	1.0466E-23	0.303645	hyper	sig	chr8_66961187
chr6	30260106	30260106	+	2.474E-25	1.0482E-23	0.204866	hyper	sig	chr6_30260106
chr1	2.36E+08	236065516	+	2.482E-25	1.0516E-23	0.29309	hyper	sig	chr1_236065516
chr12	3493136	3493136	+	2.484E-25	1.0522E-23	0.220273	hyper	sig	chr12_3493136
chr10	1.33E+08	132832815	+	2.484E-25	1.0522E-23	0.337044	hyper	sig	chr10_132832815
chr15	63596915	63596915	+	2.484E-25	1.0522E-23	0.310789	hyper	sig	chr15_63596915
chr1	1.71E+08	170660951	+	2.486E-25	1.0527E-23	0.360381	hyper	sig	chr1_170660951
chr10	369411	369411	+	2.486E-25	1.0527E-23	0.231672	hyper	sig	chr10_369411
chr2	1.09E+08	109129817	+	2.489E-25	1.0543E-23	0.302316	hyper	sig	chr2_109129817
chr11	2141107	2141107	+	2.494E-25	1.0564E-23	0.323442	hyper	sig	chr11_2141107
chr13	27929374	27929374	+	2.497E-25	1.0573E-23	0.39116	hyper	sig	chr13_27929374
chr2	1.82E+08	181683958	+	2.498E-25	1.0579E-23	0.33217	hyper	sig	chr2_181683958
chr7	1.4E+08	140435763	+	2.501E-25	1.0589E-23	0.299911	hyper	sig	chr7_140435763
chr9	1.35E+08	134840078	+	2.504E-25	1.06E-23	-0.30514	hypo	sig	chr9_134840078
chr13	93227194	93227194	+	2.516E-25	1.0651E-23	0.271987	hyper	sig	chr13_93227194
chr1	2.14E+08	213996855	+	2.518E-25	1.0661E-23	0.253679	hyper	sig	chr1_213996855
chr20	46707041	46707041	+	2.519E-25	1.0666E-23	-0.35106	hypo	sig	chr20_46707041
chr2	66582123	66582123	+	2.52E-25	1.0669E-23	0.288905	hyper	sig	chr2_66582123
chr3	1.38E+08	137767454	+	2.525E-25	1.0686E-23	0.23464	hyper	sig	chr3_137767454
chr8	48270661	48270661	+	2.526E-25	1.0691E-23	-0.38303	hypo	sig	chr8_48270661
chr7	15685697	15685697	+	2.53E-25	1.0709E-23	0.240815	hyper	sig	chr7_15685697
chr11	10295044	10295044	+	2.534E-25	1.0725E-23	-0.20014	hypo	sig	chr11_10295044
chr19	14060117	14060117	+	2.536E-25	1.0732E-23	-0.28591	hypo	sig	chr19_14060117
chr10	1.01E+08	101062018	+	2.548E-25	1.0781E-23	-0.45441	hypo	sig	chr10_101062018
chr2	11105406	11105406	+	2.555E-25	1.0811E-23	-0.30069	hypo	sig	chr2_11105406
chr5	1.41E+08	141355794	+	2.556E-25	1.0814E-23	0.317512	hyper	sig	chr5_141355794
chr7	1.22E+08	122310230	+	2.564E-25	1.085E-23	0.295064	hyper	sig	chr7_122310230
chr8	30442766	30442766	+	2.565E-25	1.0851E-23	0.355205	hyper	sig	chr8_30442766
chr16	3184364	3184364	+	2.568E-25	1.0864E-23	0.278679	hyper	sig	chr16_3184364
chr10	1.31E+08	131312031	+	2.569E-25	1.0866E-23	0.387943	hyper	sig	chr10_131312031
chr8	54457705	54457705	+	2.569E-25	1.0866E-23	0.364782	hyper	sig	chr8_54457705
chr20	20056506	20056506	+	2.57E-25	1.0872E-23	-0.27228	hypo	sig	chr20_20056506
chr16	165454	165454	+	2.573E-25	1.0881E-23	0.259587	hyper	sig	chr16_165454
chr1	2.13E+08	213399876	+	2.576E-25	1.0893E-23	0.308944	hyper	sig	chr1_213399876
chr10	72089888	72089888	+	2.577E-25	1.0899E-23	-0.31126	hypo	sig	chr10_72089888
chr7	1.04E+08	104328982	+	2.58E-25	1.0909E-23	0.24094	hyper	sig	chr7_104328982
chr4	305015	305015	+	2.58E-25	1.0912E-23	0.287963	hyper	sig	chr4_305015

chr3	1.39E+08	138960724	+	2.581E-25	1.0915E-23	0.267727	hyper	sig	chr3_138960724
chr7	97018042	97018042	+	2.583E-25	1.0921E-23	0.27781	hyper	sig	chr7_97018042
chr11	72639607	72639607	+	2.589E-25	1.0946E-23	-0.29717	hypo	sig	chr11_72639607
chr5	1.49E+08	149387494	+	2.593E-25	1.0963E-23	0.413427	hyper	sig	chr5_149387494
chr4	4858271	4858271	+	2.598E-25	1.0983E-23	0.32876	hyper	sig	chr4_4858271
chr1	9026555	9026555	+	2.605E-25	1.1013E-23	-0.28119	hypo	sig	chr1_9026555
chr10	1.32E+08	131937929	+	2.605E-25	1.1014E-23	0.201844	hyper	sig	chr10_131937929
chr12	53953944	53953944	+	2.608E-25	1.1025E-23	0.388986	hyper	sig	chr12_53953944
chr1	2305203	2305203	+	2.612E-25	1.1039E-23	0.31797	hyper	sig	chr1_2305203
chr7	1232876	1232876	+	2.613E-25	1.1044E-23	0.382421	hyper	sig	chr7_1232876
chr7	1055069	1055069	+	2.613E-25	1.1044E-23	0.347839	hyper	sig	chr7_1055069
chr3	62377246	62377246	+	2.622E-25	1.1083E-23	0.332662	hyper	sig	chr3_62377246
chr12	6620548	6620548	+	2.623E-25	1.1083E-23	0.323623	hyper	sig	chr12_6620548
chr20	46550715	46550715	+	2.625E-25	1.1093E-23	-0.30891	hypo	sig	chr20_46550715
chr19	58009835	58009835	+	2.626E-25	1.1097E-23	0.263941	hyper	sig	chr19_58009835
chr1	2.47E+08	246788927	+	2.631E-25	1.1115E-23	0.316223	hyper	sig	chr1_246788927
chr22	46374144	46374144	+	2.633E-25	1.1126E-23	-0.33627	hypo	sig	chr22_46374144
chr1	1.08E+08	107965886	+	2.634E-25	1.1127E-23	0.279661	hyper	sig	chr1_107965886
chr17	21514417	21514417	+	2.635E-25	1.113E-23	-0.4702	hypo	sig	chr17_21514417
chr16	85448924	85448924	+	2.638E-25	1.1144E-23	-0.37316	hypo	sig	chr16_85448924
chr19	5851593	5851593	+	2.647E-25	1.118E-23	-0.32102	hypo	sig	chr19_5851593
chr16	841589	841589	+	2.647E-25	1.1181E-23	-0.37721	hypo	sig	chr16_841589
chr16	54936532	54936532	+	2.652E-25	1.12E-23	0.278929	hyper	sig	chr16_54936532
chr13	24746667	24746667	+	2.652E-25	1.12E-23	0.396589	hyper	sig	chr13_24746667
chr22	46617958	46617958	+	2.654E-25	1.1208E-23	0.317708	hyper	sig	chr22_46617958
chr17	48552357	48552357	+	2.656E-25	1.1217E-23	0.371197	hyper	sig	chr17_48552357
chr5	54883811	54883811	+	2.661E-25	1.1233E-23	0.222543	hyper	sig	chr5_54883811
chr6	1.66E+08	165847084	+	2.661E-25	1.1233E-23	-0.2338	hypo	sig	chr6_165847084
chr6	27495480	27495480	+	2.661E-25	1.1235E-23	0.23229	hyper	sig	chr6_27495480
chr12	2075708	2075708	+	2.667E-25	1.126E-23	0.265221	hyper	sig	chr12_2075708
chr4	20253528	20253528	+	2.668E-25	1.1262E-23	0.368418	hyper	sig	chr4_20253528
chr14	93788277	93788277	+	2.669E-25	1.1268E-23	0.295555	hyper	sig	chr14_93788277
chr10	8047690	8047690	+	2.679E-25	1.1307E-23	0.274366	hyper	sig	chr10_8047690
chr14	60637856	60637856	+	2.68E-25	1.1312E-23	0.337087	hyper	sig	chr14_60637856
chr4	1.33E+08	133147437	+	2.685E-25	1.1332E-23	0.276809	hyper	sig	chr4_133147437
chr19	1295723	1295723	+	2.693E-25	1.1367E-23	0.325802	hyper	sig	chr19_1295723
chr3	1.96E+08	195851399	+	2.7E-25	1.1392E-23	-0.21715	hypo	sig	chr3_195851399
chr7	71132520	71132520	+	2.7E-25	1.1395E-23	0.401379	hyper	sig	chr7_71132520
chr9	93346185	93346185	+	2.701E-25	1.1396E-23	0.373609	hyper	sig	chr9_93346185
chr7	99498787	99498787	+	2.705E-25	1.1415E-23	-0.35561	hypo	sig	chr7_99498787
chr9	1.37E+08	136698137	+	2.706E-25	1.1417E-23	-0.29434	hypo	sig	chr9_136698137
chr19	12721035	12721035	+	2.707E-25	1.1421E-23	0.327146	hyper	sig	chr19_12721035
chr2	27307549	27307549	+	2.707E-25	1.1422E-23	0.30467	hyper	sig	chr2_27307549
chr19	56671538	56671538	+	2.709E-25	1.1429E-23	0.328567	hyper	sig	chr19_56671538
chr2	31581114	31581114	+	2.718E-25	1.1464E-23	0.397458	hyper	sig	chr2_31581114
chr8	57276438	57276438	+	2.719E-25	1.1467E-23	-0.29287	hypo	sig	chr8_57276438
chr3	1.47E+08	147407995	+	2.723E-25	1.1486E-23	0.30946	hyper	sig	chr3_147407995
chr14	1.01E+08	100726680	+	2.726E-25	1.1499E-23	0.274885	hyper	sig	chr14_100726680
chr19	18007489	18007489	+	2.727E-25	1.1502E-23	0.221144	hyper	sig	chr19_18007489
chr5	1.46E+08	146339153	+	2.728E-25	1.1503E-23	0.324155	hyper	sig	chr5_146339153
chr21	29938623	29938623	+	2.729E-25	1.1509E-23	-0.30449	hypo	sig	chr21_29938623
chr1	1.9E+08	190475605	+	2.732E-25	1.1518E-23	0.212548	hyper	sig	chr1_190475605
chr7	85186981	85186981	+	2.733E-25	1.1522E-23	0.266022	hyper	sig	chr7_85186981
chr3	1.82E+08	181726622	+	2.734E-25	1.1526E-23	0.255588	hyper	sig	chr3_181726622
chr19	48640142	48640142	+	2.736E-25	1.1535E-23	-0.39213	hypo	sig	chr19_48640142
chr8	52940087	52940087	+	2.74E-25	1.1549E-23	0.346252	hyper	sig	chr8_52940087

chr1	1.9E+08	190475646	+	2.744E-25	1.1567E-23	0.227601	hyper	sig	chr1_190475646
chr7	94012149	94012149	+	2.746E-25	1.1576E-23	-0.39676	hypo	sig	chr7_94012149
chr11	74721051	74721051	+	2.752E-25	1.16E-23	0.414204	hyper	sig	chr11_74721051
chr5	38846423	38846423	+	2.752E-25	1.1601E-23	0.275937	hyper	sig	chr5_38846423
chr2	85765508	85765508	+	2.756E-25	1.1615E-23	-0.34864	hypo	sig	chr2_85765508
chr17	80942610	80942610	+	2.764E-25	1.1648E-23	0.399464	hyper	sig	chr17_80942610
chr19	7879969	7879969	+	2.771E-25	1.1676E-23	-0.30675	hypo	sig	chr19_7879969
chr2	26693520	26693520	+	2.771E-25	1.1678E-23	0.302125	hyper	sig	chr2_26693520
chr8	66963123	66963123	+	2.778E-25	1.1708E-23	0.357795	hyper	sig	chr8_66963123
chr16	56190881	56190881	+	2.792E-25	1.1763E-23	0.265267	hyper	sig	chr16_56190881
chr11	69819658	69819658	+	2.8E-25	1.1795E-23	0.353433	hyper	sig	chr11_69819658
chr14	62117532	62117532	+	2.8E-25	1.1798E-23	0.243825	hyper	sig	chr14_62117532
chr12	54000229	54000229	+	2.804E-25	1.1811E-23	0.320828	hyper	sig	chr12_54000229
chr2	44932814	44932814	+	2.806E-25	1.1821E-23	0.387513	hyper	sig	chr2_44932814
chr12	1.28E+08	128366192	+	2.809E-25	1.1832E-23	0.308523	hyper	sig	chr12_128366192
chr5	32713006	32713006	+	2.81E-25	1.1834E-23	0.314057	hyper	sig	chr5_32713006
chr8	743245	743245	+	2.81E-25	1.1836E-23	-0.29463	hypo	sig	chr8_743245
chr19	11420873	11420873	+	2.811E-25	1.184E-23	0.316739	hyper	sig	chr19_11420873
chr3	27723872	27723872	+	2.812E-25	1.1842E-23	0.31991	hyper	sig	chr3_27723872
chr19	58440882	58440882	+	2.813E-25	1.1845E-23	0.298831	hyper	sig	chr19_58440882
chr2	1.27E+08	127025139	+	2.819E-25	1.187E-23	0.267531	hyper	sig	chr2_127025139
chr10	49679725	49679725	+	2.821E-25	1.1879E-23	0.334048	hyper	sig	chr10_49679725
chr5	1.69E+08	168529897	+	2.823E-25	1.1886E-23	0.316857	hyper	sig	chr5_168529897
chr7	97025520	97025520	+	2.825E-25	1.1893E-23	0.25595	hyper	sig	chr7_97025520
chr4	1E+08	100190007	+	2.828E-25	1.1906E-23	0.227874	hyper	sig	chr4_100190007
chr5	1.16E+08	116361876	+	2.832E-25	1.1923E-23	0.361488	hyper	sig	chr5_116361876
chr12	1.19E+08	118980999	+	2.833E-25	1.1926E-23	0.386643	hyper	sig	chr12_118980999
chr5	1.16E+08	115963223	+	2.834E-25	1.1929E-23	0.306318	hyper	sig	chr5_115963223
chr6	44342740	44342740	+	2.835E-25	1.1932E-23	0.242965	hyper	sig	chr6_44342740
chr12	70920695	70920695	+	2.842E-25	1.1963E-23	0.331311	hyper	sig	chr12_70920695
chr3	1.47E+08	147411201	+	2.844E-25	1.1969E-23	0.38043	hyper	sig	chr3_147411201
chr8	1.44E+08	143939052	+	2.846E-25	1.1977E-23	-0.24765	hypo	sig	chr8_143939052
chr20	58905439	58905439	+	2.847E-25	1.198E-23	0.259368	hyper	sig	chr20_58905439
chr14	53953120	53953120	+	2.85E-25	1.1994E-23	0.259152	hyper	sig	chr14_53953120
chr6	57800236	57800236	+	2.85E-25	1.1994E-23	0.340071	hyper	sig	chr6_57800236
chr2	1.3E+08	129979650	+	2.851E-25	1.1998E-23	0.241839	hyper	sig	chr2_129979650
chr22	36325603	36325603	+	2.851E-25	1.1998E-23	0.282332	hyper	sig	chr22_36325603
chr7	8443670	8443670	+	2.852E-25	1.1999E-23	0.353902	hyper	sig	chr7_8443670
chr17	76039581	76039581	+	2.854E-25	1.2007E-23	0.23696	hyper	sig	chr17_76039581
chr1	6282342	6282342	+	2.854E-25	1.2007E-23	-0.33319	hypo	sig	chr1_6282342
chr16	85643300	85643300	+	2.859E-25	1.2026E-23	-0.34019	hypo	sig	chr16_85643300
chr10	1.24E+08	124381213	+	2.859E-25	1.2026E-23	-0.31729	hypo	sig	chr10_124381213
chr11	1.3E+08	129743789	+	2.86E-25	1.2031E-23	-0.34667	hypo	sig	chr11_129743789
chr8	48976489	48976489	+	2.864E-25	1.2047E-23	-0.30958	hypo	sig	chr8_48976489
chr15	85793383	85793383	+	2.866E-25	1.2053E-23	-0.3262	hypo	sig	chr15_85793383
chr2	1.98E+08	197786856	+	2.866E-25	1.2054E-23	0.336222	hyper	sig	chr2_197786856
chr3	1.34E+08	133784593	+	2.866E-25	1.2054E-23	-0.36746	hypo	sig	chr3_133784593
chr2	2.41E+08	240672624	+	2.875E-25	1.2089E-23	0.316001	hyper	sig	chr2_240672624
chr17	65538222	65538222	+	2.876E-25	1.2092E-23	-0.29567	hypo	sig	chr17_65538222
chr10	1.33E+08	133230082	+	2.877E-25	1.2096E-23	0.301813	hyper	sig	chr10_133230082
chr19	38569674	38569674	+	2.879E-25	1.2106E-23	-0.31228	hypo	sig	chr19_38569674
chr14	26597461	26597461	+	2.88E-25	1.2107E-23	0.266609	hyper	sig	chr14_26597461
chr1	2.08E+08	207645548	+	2.886E-25	1.2132E-23	0.332086	hyper	sig	chr1_207645548
chr4	55794262	55794262	+	2.888E-25	1.214E-23	0.27413	hyper	sig	chr4_55794262
chr11	1.3E+08	130446121	+	2.896E-25	1.2173E-23	-0.34212	hypo	sig	chr11_130446121
chr5	7826859	7826859	+	2.902E-25	1.22E-23	-0.27475	hypo	sig	chr5_7826859

chr6	10385159	10385159	+	2.906E-25	1.2214E-23	0.431156	hyper	sig	chr6_10385159
chr3	1.47E+08	147396178	+	2.913E-25	1.2242E-23	0.34557	hyper	sig	chr3_147396178
chr11	31825272	31825272	+	2.917E-25	1.2259E-23	0.322892	hyper	sig	chr11_31825272
chr11	67400334	67400334	+	2.917E-25	1.2259E-23	0.292069	hyper	sig	chr11_67400334
chr17	75587786	75587786	+	2.917E-25	1.2259E-23	0.303073	hyper	sig	chr17_75587786
chr19	6534832	6534832	+	2.917E-25	1.2259E-23	0.335653	hyper	sig	chr19_6534832
chr7	1.43E+08	142797251	+	2.929E-25	1.2307E-23	0.251776	hyper	sig	chr7_142797251
chr5	1.78E+08	177984721	+	2.93E-25	1.2311E-23	0.281442	hyper	sig	chr5_177984721
chr6	50850488	50850488	+	2.942E-25	1.2363E-23	0.270419	hyper	sig	chr6_50850488
chr20	6123568	6123568	+	2.944E-25	1.2367E-23	-0.30013	hypo	sig	chr20_6123568
chr12	1.21E+08	120649886	+	2.945E-25	1.237E-23	0.305143	hyper	sig	chr12_120649886
chr13	1.13E+08	113405912	+	2.95E-25	1.2394E-23	-0.41484	hypo	sig	chr13_113405912
chr2	1.83E+08	182867104	+	2.961E-25	1.2436E-23	0.290227	hyper	sig	chr2_182867104
chr16	57628148	57628148	+	2.967E-25	1.2462E-23	0.377979	hyper	sig	chr16_57628148
chr8	88327905	88327905	+	2.972E-25	1.2482E-23	0.278557	hyper	sig	chr8_88327905
chr7	4739673	4739673	+	2.972E-25	1.2484E-23	0.293144	hyper	sig	chr7_4739673
chr7	5304062	5304062	+	2.976E-25	1.2498E-23	-0.3197	hypo	sig	chr7_5304062
chr3	12759312	12759312	+	2.979E-25	1.2512E-23	-0.33974	hypo	sig	chr3_12759312
chr4	84501283	84501283	+	2.989E-25	1.2552E-23	0.32901	hyper	sig	chr4_84501283
chr16	86579990	86579990	+	2.992E-25	1.2562E-23	0.380786	hyper	sig	chr16_86579990
chr3	1.47E+08	147421727	+	2.993E-25	1.2568E-23	0.323703	hyper	sig	chr3_147421727
chr4	80265939	80265939	+	2.995E-25	1.2574E-23	0.204999	hyper	sig	chr4_80265939
chr10	24176905	24176905	+	2.996E-25	1.258E-23	-0.2935	hypo	sig	chr10_24176905
chr3	1.6E+08	160039228	+	3.002E-25	1.2601E-23	0.251434	hyper	sig	chr3_160039228
chr5	2755847	2755847	+	3.005E-25	1.2617E-23	0.295297	hyper	sig	chr5_2755847
chr1	3217313	3217313	+	3.007E-25	1.2625E-23	0.35761	hyper	sig	chr1_3217313
chr1	27351524	27351524	+	3.008E-25	1.2625E-23	0.329162	hyper	sig	chr1_27351524
chr19	38256715	38256715	+	3.01E-25	1.2635E-23	0.299396	hyper	sig	chr19_38256715
chr5	54883791	54883791	+	3.011E-25	1.2636E-23	0.231299	hyper	sig	chr5_54883791
chr4	55794269	55794269	+	3.012E-25	1.264E-23	0.288814	hyper	sig	chr4_55794269
chr1	74674605	74674605	+	3.014E-25	1.265E-23	-0.27136	hypo	sig	chr1_74674605
chr1	1.72E+08	171841182	+	3.016E-25	1.2656E-23	0.233862	hyper	sig	chr1_171841182
chr7	32427883	32427883	+	3.016E-25	1.2656E-23	0.314373	hyper	sig	chr7_32427883
chr8	40897869	40897869	+	3.021E-25	1.2677E-23	0.204943	hyper	sig	chr8_40897869
chr1	2.15E+08	214872861	+	3.023E-25	1.2685E-23	-0.25961	hypo	sig	chr1_214872861
chr13	27922980	27922980	+	3.038E-25	1.2747E-23	0.492894	hyper	sig	chr13_27922980
chr5	1.46E+08	146339142	+	3.043E-25	1.2765E-23	0.324539	hyper	sig	chr5_146339142
chr7	1.57E+08	157297309	+	3.053E-25	1.2808E-23	-0.3576	hypo	sig	chr7_157297309
chr20	51026681	51026681	+	3.055E-25	1.2816E-23	-0.37011	hypo	sig	chr20_51026681
chr4	1.25E+08	125317181	+	3.057E-25	1.2822E-23	0.295522	hyper	sig	chr4_125317181
chr16	84851679	84851679	+	3.064E-25	1.285E-23	-0.40134	hypo	sig	chr16_84851679
chr3	48269146	48269146	+	3.065E-25	1.2855E-23	-0.28095	hypo	sig	chr3_48269146
chr8	49910554	49910554	+	3.066E-25	1.2859E-23	0.252445	hyper	sig	chr8_49910554
chr16	1002610	1002610	+	3.07E-25	1.2873E-23	-0.43927	hypo	sig	chr16_1002610
chr5	1.41E+08	140828051	+	3.074E-25	1.2893E-23	0.333545	hyper	sig	chr5_140828051
chr5	1.77E+08	176619901	+	3.08E-25	1.2916E-23	0.297124	hyper	sig	chr5_176619901
chr14	85532256	85532256	+	3.086E-25	1.2939E-23	0.260381	hyper	sig	chr14_85532256
chr19	7702419	7702419	+	3.088E-25	1.2946E-23	-0.25402	hypo	sig	chr19_7702419
chr10	7412657	7412657	+	3.089E-25	1.2953E-23	0.316243	hyper	sig	chr10_7412657
chr3	1.58E+08	158094932	+	3.09E-25	1.2953E-23	0.330818	hyper	sig	chr3_158094932
chr1	1.08E+08	107965928	+	3.09E-25	1.2953E-23	0.238412	hyper	sig	chr1_107965928
chr2	1937726	1937726	+	3.092E-25	1.2961E-23	-0.31463	hypo	sig	chr2_1937726
chr1	2.24E+08	224175865	+	3.098E-25	1.2985E-23	0.384669	hyper	sig	chr1_224175865
chr10	49609260	49609260	+	3.098E-25	1.2985E-23	0.362272	hyper	sig	chr10_49609260
chr5	1.71E+08	171316537	+	3.098E-25	1.2985E-23	0.322016	hyper	sig	chr5_171316537
chr7	4792753	4792753	+	3.099E-25	1.2989E-23	0.3527	hyper	sig	chr7_4792753

chr20	44400828	44400828	+	3.106E-25	1.3017E-23	-0.31186	hypo	sig	chr20_44400828
chr2	31137905	31137905	+	3.107E-25	1.3019E-23	0.26629	hyper	sig	chr2_31137905
chr19	46471357	46471357	+	3.107E-25	1.302E-23	0.329463	hyper	sig	chr19_46471357
chr13	1.12E+08	112106592	+	3.109E-25	1.3027E-23	0.343807	hyper	sig	chr13_112106592
chr6	38174113	38174113	+	3.109E-25	1.3027E-23	-0.30625	hypo	sig	chr6_38174113
chr16	28880457	28880457	+	3.112E-25	1.3036E-23	0.291574	hyper	sig	chr16_28880457
chr19	57099524	57099524	+	3.112E-25	1.3036E-23	0.394193	hyper	sig	chr19_57099524
chr1	1.81E+08	181483633	+	3.114E-25	1.3044E-23	0.240691	hyper	sig	chr1_181483633
chr20	23985252	23985252	+	3.118E-25	1.3063E-23	-0.33493	hypo	sig	chr20_23985252
chr11	31823794	31823794	+	3.121E-25	1.3073E-23	0.313237	hyper	sig	chr11_31823794
chr7	97018146	97018146	+	3.122E-25	1.3077E-23	0.270349	hyper	sig	chr7_97018146
chr19	19261118	19261118	+	3.124E-25	1.3083E-23	0.325796	hyper	sig	chr19_19261118
chr17	38855396	38855396	+	3.127E-25	1.3095E-23	-0.29321	hypo	sig	chr17_38855396
chr12	1.23E+08	123269819	+	3.128E-25	1.3099E-23	0.414509	hyper	sig	chr12_123269819
chr10	370349	370349	+	3.129E-25	1.3103E-23	0.388755	hyper	sig	chr10_370349
chr5	1.73E+08	172647062	+	3.13E-25	1.3108E-23	0.294717	hyper	sig	chr5_172647062
chr8	96160774	96160774	+	3.135E-25	1.3126E-23	0.292204	hyper	sig	chr8_96160774
chr13	36155083	36155083	+	3.136E-25	1.3132E-23	0.377646	hyper	sig	chr13_36155083
chr10	522900	522900	+	3.138E-25	1.3136E-23	-0.285	hypo	sig	chr10_522900
chr1	92481231	92481231	+	3.138E-25	1.3138E-23	0.294135	hyper	sig	chr1_92481231
chr5	1.78E+08	178165827	+	3.14E-25	1.3143E-23	0.355113	hyper	sig	chr5_178165827
chr7	1027770	1027770	+	3.145E-25	1.3164E-23	0.269587	hyper	sig	chr7_1027770
chr4	92305428	92305428	+	3.147E-25	1.3175E-23	0.281025	hyper	sig	chr4_92305428
chr12	1.22E+08	121767772	+	3.148E-25	1.3175E-23	0.332719	hyper	sig	chr12_121767772
chr19	3178761	3178761	+	3.156E-25	1.3208E-23	-0.35138	hypo	sig	chr19_3178761
chr12	6778377	6778377	+	3.167E-25	1.3253E-23	0.295202	hyper	sig	chr12_6778377
chr5	1.55E+08	154691574	+	3.168E-25	1.3258E-23	0.351887	hyper	sig	chr5_154691574
chr19	41904316	41904316	+	3.17E-25	1.3267E-23	-0.35891	hypo	sig	chr19_41904316
chr19	57192052	57192052	+	3.18E-25	1.3307E-23	0.230199	hyper	sig	chr19_57192052
chr20	57326947	57326947	+	3.18E-25	1.3307E-23	-0.39545	hypo	sig	chr20_57326947
chr14	1.01E+08	101061351	+	3.184E-25	1.3321E-23	-0.29001	hypo	sig	chr14_101061351
chr19	46412531	46412531	+	3.197E-25	1.3377E-23	0.26639	hyper	sig	chr19_46412531
chr15	31063239	31063239	+	3.2E-25	1.3387E-23	-0.30802	hypo	sig	chr15_31063239
chr5	31855287	31855287	+	3.202E-25	1.3395E-23	0.336942	hyper	sig	chr5_31855287
chr2	71560660	71560660	+	3.204E-25	1.3402E-23	0.312538	hyper	sig	chr2_71560660
chr16	86516346	86516346	+	3.206E-25	1.3411E-23	0.321347	hyper	sig	chr16_86516346
chr16	54289039	54289039	+	3.208E-25	1.3416E-23	0.33345	hyper	sig	chr16_54289039
chr4	92305391	92305391	+	3.211E-25	1.3431E-23	0.240122	hyper	sig	chr4_92305391
chr20	52104663	52104663	+	3.215E-25	1.3444E-23	0.45751	hyper	sig	chr20_52104663
chr19	57889257	57889257	+	3.221E-25	1.347E-23	0.313613	hyper	sig	chr19_57889257
chr20	25081126	25081126	+	3.227E-25	1.3493E-23	0.424053	hyper	sig	chr20_25081126
chr4	1.74E+08	173538958	+	3.227E-25	1.3494E-23	0.243252	hyper	sig	chr4_173538958
chr6	50817453	50817453	+	3.231E-25	1.3508E-23	0.296129	hyper	sig	chr6_50817453
chr14	76138816	76138816	+	3.233E-25	1.3517E-23	0.351049	hyper	sig	chr14_76138816
chr8	30442746	30442746	+	3.233E-25	1.3517E-23	0.326324	hyper	sig	chr8_30442746
chr19	53521225	53521225	+	3.236E-25	1.3529E-23	0.267711	hyper	sig	chr19_53521225
chr19	37551236	37551236	+	3.239E-25	1.3539E-23	0.306506	hyper	sig	chr19_37551236
chr5	1.62E+08	161545974	+	3.245E-25	1.3563E-23	0.268909	hyper	sig	chr5_161545974
chr19	37251929	37251929	+	3.25E-25	1.3584E-23	0.288438	hyper	sig	chr19_37251929
chr16	29877390	29877390	+	3.25E-25	1.3584E-23	0.294628	hyper	sig	chr16_29877390
chr2	2.08E+08	208407250	+	3.25E-25	1.3584E-23	0.223697	hyper	sig	chr2_208407250
chr5	1.41E+08	141188695	+	3.252E-25	1.3591E-23	0.342112	hyper	sig	chr5_141188695
chr16	3065808	3065808	+	3.253E-25	1.3595E-23	-0.29423	hypo	sig	chr16_3065808
chr5	1103317	1103317	+	3.255E-25	1.3602E-23	0.283697	hyper	sig	chr5_1103317
chr19	21463602	21463602	+	3.264E-25	1.3636E-23	0.307032	hyper	sig	chr19_21463602
chr8	56445755	56445755	+	3.271E-25	1.3665E-23	0.290263	hyper	sig	chr8_56445755

chr10	69103984	69103984	+	3.271E-25	1.3666E-23	-0.2899	hypo	sig	chr10_69103984
chr6	30111378	30111378	+	3.271E-25	1.3667E-23	-0.28578	hypo	sig	chr6_30111378
chr1	38578549	38578549	+	3.274E-25	1.3678E-23	0.249505	hyper	sig	chr1_38578549
chr14	1.01E+08	101059843	+	3.277E-25	1.3689E-23	-0.29261	hypo	sig	chr14_101059843
chr11	20598717	20598717	+	3.278E-25	1.3691E-23	0.384689	hyper	sig	chr11_20598717
chr17	48551988	48551988	+	3.278E-25	1.3691E-23	0.297444	hyper	sig	chr17_48551988
chr2	1.19E+08	118856913	+	3.278E-25	1.3691E-23	0.276355	hyper	sig	chr2_118856913
chr16	89343857	89343857	+	3.284E-25	1.3715E-23	-0.34289	hypo	sig	chr16_89343857
chr8	24914909	24914909	+	3.284E-25	1.3715E-23	0.237998	hyper	sig	chr8_24914909
chr19	50640055	50640055	+	3.285E-25	1.3716E-23	0.242544	hyper	sig	chr19_50640055
chr16	88958178	88958178	+	3.287E-25	1.3725E-23	-0.2925	hypo	sig	chr16_88958178
chr1	45622718	45622718	+	3.288E-25	1.3728E-23	0.287183	hyper	sig	chr1_45622718
chr8	72251278	72251278	+	3.288E-25	1.3728E-23	0.341156	hyper	sig	chr8_72251278
chr7	1.49E+08	149415320	+	3.294E-25	1.3753E-23	0.313102	hyper	sig	chr7_149415320
chr14	56811418	56811418	+	3.295E-25	1.3756E-23	0.31283	hyper	sig	chr14_56811418
chr3	1.8E+08	180036752	+	3.296E-25	1.3761E-23	0.261153	hyper	sig	chr3_180036752
chr2	89611877	89611877	+	3.298E-25	1.3768E-23	0.34936	hyper	sig	chr2_89611877
chr8	68331346	68331346	+	3.298E-25	1.3768E-23	0.339624	hyper	sig	chr8_68331346
chr1	26863597	26863597	+	3.3E-25	1.3774E-23	-0.31875	hypo	sig	chr1_26863597
chr8	1694411	1694411	+	3.302E-25	1.3781E-23	-0.28925	hypo	sig	chr8_1694411
chr6	27275128	27275128	+	3.306E-25	1.3797E-23	0.307082	hyper	sig	chr6_27275128
chr3	44554868	44554868	+	3.313E-25	1.3826E-23	0.289417	hyper	sig	chr3_44554868
chr1	37557091	37557091	+	3.315E-25	1.3834E-23	0.312201	hyper	sig	chr1_37557091
chr6	1.06E+08	105986517	+	3.316E-25	1.3839E-23	0.297357	hyper	sig	chr6_105986517
chr3	1.47E+08	147392591	+	3.324E-25	1.3869E-23	0.306621	hyper	sig	chr3_147392591
chr7	1.56E+08	155830167	+	3.331E-25	1.3897E-23	-0.35257	hypo	sig	chr7_155830167
chr5	1.56E+08	155728930	+	3.334E-25	1.3909E-23	0.348732	hyper	sig	chr5_155728930
chr1	18632406	18632406	+	3.334E-25	1.3912E-23	0.363035	hyper	sig	chr1_18632406
chr14	96285910	96285910	+	3.335E-25	1.3914E-23	0.232462	hyper	sig	chr14_96285910
chr17	82228434	82228434	+	3.337E-25	1.392E-23	-0.24029	hypo	sig	chr17_82228434
chr7	97007334	97007334	+	3.337E-25	1.392E-23	0.294987	hyper	sig	chr7_97007334
chr11	69297975	69297975	+	3.346E-25	1.3957E-23	-0.38586	hypo	sig	chr11_69297975
chr6	15505117	15505117	+	3.346E-25	1.3957E-23	0.354415	hyper	sig	chr6_15505117
chr1	3248065	3248065	+	3.347E-25	1.3962E-23	0.280565	hyper	sig	chr1_3248065
chr19	50133862	50133862	+	3.356E-25	1.3995E-23	-0.32832	hypo	sig	chr19_50133862
chr17	38918782	38918782	+	3.356E-25	1.3996E-23	0.221908	hyper	sig	chr17_38918782
chr7	1.22E+08	121879321	+	3.36E-25	1.4011E-23	-0.35942	hypo	sig	chr7_121879321
chr3	1.73E+08	173398256	+	3.362E-25	1.4021E-23	0.247346	hyper	sig	chr3_173398256
chr6	1.49E+08	149485366	+	3.364E-25	1.4026E-23	-0.24671	hypo	sig	chr6_149485366
chr20	37517692	37517692	+	3.364E-25	1.4027E-23	0.215443	hyper	sig	chr20_37517692
chr3	52483726	52483726	+	3.375E-25	1.407E-23	0.269139	hyper	sig	chr3_52483726
chr7	64877599	64877599	+	3.375E-25	1.407E-23	0.348882	hyper	sig	chr7_64877599
chr6	27215106	27215106	+	3.387E-25	1.4118E-23	0.278899	hyper	sig	chr6_27215106
chr14	1.05E+08	104844728	+	3.393E-25	1.4143E-23	0.30863	hyper	sig	chr14_104844728
chr11	92224479	92224479	+	3.396E-25	1.4157E-23	0.246244	hyper	sig	chr11_92224479
chr16	1482477	1482477	+	3.401E-25	1.4177E-23	-0.40975	hypo	sig	chr16_1482477
chr17	1977790	1977790	+	3.402E-25	1.4178E-23	0.294688	hyper	sig	chr17_1977790
chr2	2.41E+08	240646416	+	3.403E-25	1.4182E-23	-0.33781	hypo	sig	chr2_240646416
chr5	77638838	77638838	+	3.407E-25	1.4198E-23	0.331976	hyper	sig	chr5_77638838
chr1	50430568	50430568	+	3.411E-25	1.4212E-23	0.254609	hyper	sig	chr1_50430568
chr16	29181997	29181997	+	3.413E-25	1.4222E-23	-0.29066	hypo	sig	chr16_29181997
chr16	2236491	2236491	+	3.416E-25	1.4234E-23	0.346497	hyper	sig	chr16_2236491
chr2	1.82E+08	181682662	+	3.426E-25	1.4274E-23	0.346473	hyper	sig	chr2_181682662
chr13	1.13E+08	112833475	+	3.426E-25	1.4275E-23	0.320758	hyper	sig	chr13_112833475
chr16	49275327	49275327	+	3.431E-25	1.4295E-23	0.374404	hyper	sig	chr16_49275327
chr8	52939806	52939806	+	3.436E-25	1.4313E-23	0.425489	hyper	sig	chr8_52939806

chr2	2.22E+08	222298195	+	3.44E-25	1.4329E-23	0.239757	hyper	sig	chr2_222298195
chr19	21463534	21463534	+	3.444E-25	1.4343E-23	0.320876	hyper	sig	chr19_21463534
chr4	76586250	76586250	+	3.446E-25	1.4353E-23	-0.21184	hypo	sig	chr4_76586250
chr3	1.7E+08	169822638	+	3.448E-25	1.436E-23	-0.45757	hypo	sig	chr3_169822638
chr6	32043702	32043702	+	3.449E-25	1.4362E-23	-0.44339	hypo	sig	chr6_32043702
chr15	26774132	26774132	+	3.453E-25	1.4379E-23	0.259482	hyper	sig	chr15_26774132
chr19	34482328	34482328	+	3.461E-25	1.4412E-23	0.262719	hyper	sig	chr19_34482328
chr8	1.44E+08	143567469	+	3.466E-25	1.4432E-23	0.413331	hyper	sig	chr8_143567469
chr7	56448605	56448605	+	3.469E-25	1.4442E-23	0.298194	hyper	sig	chr7_56448605
chr20	62564025	62564025	+	3.47E-25	1.4448E-23	-0.34655	hypo	sig	chr20_62564025
chr5	1.41E+08	141485210	+	3.472E-25	1.4455E-23	0.282885	hyper	sig	chr5_141485210
chr19	1993125	1993125	+	3.475E-25	1.4467E-23	-0.27737	hypo	sig	chr19_1993125
chr4	1.85E+08	185016549	+	3.477E-25	1.4475E-23	0.334377	hyper	sig	chr4_185016549
chr6	32059889	32059889	+	3.488E-25	1.4518E-23	-0.268	hypo	sig	chr6_32059889
chr19	18464596	18464596	+	3.488E-25	1.4519E-23	0.39648	hyper	sig	chr19_18464596
chr11	72244533	72244533	+	3.489E-25	1.4521E-23	0.351654	hyper	sig	chr11_72244533
chr1	18632326	18632326	+	3.491E-25	1.453E-23	0.35129	hyper	sig	chr1_18632326
chr3	68931860	68931860	+	3.493E-25	1.4536E-23	0.286292	hyper	sig	chr3_68931860
chr5	1.39E+08	139395179	+	3.493E-25	1.4536E-23	0.435231	hyper	sig	chr5_139395179
chr1	12044809	12044809	+	3.498E-25	1.4557E-23	-0.32452	hypo	sig	chr1_12044809
chr2	2.18E+08	218316853	+	3.498E-25	1.4557E-23	-0.30184	hypo	sig	chr2_218316853
chr11	1.25E+08	124752548	+	3.499E-25	1.4558E-23	0.285763	hyper	sig	chr11_124752548
chr3	1.24E+08	123700831	+	3.5E-25	1.456E-23	0.349151	hyper	sig	chr3_123700831
chr1	78045705	78045705	+	3.506E-25	1.4584E-23	-0.20574	hypo	sig	chr1_78045705
chr17	64779031	64779031	+	3.506E-25	1.4584E-23	0.405074	hyper	sig	chr17_64779031
chr5	1.59E+08	159096945	+	3.506E-25	1.4586E-23	0.457478	hyper	sig	chr5_159096945
chr11	65184557	65184557	+	3.508E-25	1.4593E-23	0.315639	hyper	sig	chr11_65184557
chr20	34547070	34547070	+	3.51E-25	1.4599E-23	-0.364	hypo	sig	chr20_34547070
chr9	1.37E+08	136994660	+	3.51E-25	1.46E-23	0.30163	hyper	sig	chr9_136994660
chr2	1.55E+08	154698925	+	3.515E-25	1.4621E-23	0.254579	hyper	sig	chr2_154698925
chr13	1.13E+08	113453690	+	3.516E-25	1.4622E-23	0.27371	hyper	sig	chr13_113453690
chr16	68642560	68642560	+	3.517E-25	1.4628E-23	0.3545	hyper	sig	chr16_68642560
chr7	35261463	35261463	+	3.523E-25	1.4652E-23	0.268338	hyper	sig	chr7_35261463
chr1	1.53E+08	152760969	+	3.524E-25	1.4654E-23	-0.38039	hypo	sig	chr1_152760969
chr6	27260344	27260344	+	3.527E-25	1.4664E-23	0.31984	hyper	sig	chr6_27260344
chr4	1.09E+08	109302164	+	3.534E-25	1.4694E-23	0.210041	hyper	sig	chr4_109302164
chr1	12167870	12167870	+	3.535E-25	1.4696E-23	-0.24002	hypo	sig	chr1_12167870
chr5	1.13E+08	113075177	+	3.539E-25	1.4713E-23	-0.28157	hypo	sig	chr5_113075177
chr17	52157968	52157968	+	3.54E-25	1.4718E-23	0.337453	hyper	sig	chr17_52157968
chr2	89611899	89611899	+	3.549E-25	1.4752E-23	0.32805	hyper	sig	chr2_89611899
chr13	98571072	98571072	+	3.551E-25	1.476E-23	-0.29915	hypo	sig	chr13_98571072
chr4	1.74E+08	173524198	+	3.555E-25	1.4776E-23	0.304727	hyper	sig	chr4_173524198
chr3	49901256	49901256	+	3.563E-25	1.4808E-23	-0.32116	hypo	sig	chr3_49901256
chr10	1550699	1550699	+	3.564E-25	1.4813E-23	-0.3173	hypo	sig	chr10_1550699
chr6	1.41E+08	141176492	+	3.575E-25	1.4855E-23	-0.41188	hypo	sig	chr6_141176492
chr5	1891704	1891704	+	3.582E-25	1.4887E-23	-0.25881	hypo	sig	chr5_1891704
chr11	2160393	2160393	+	3.584E-25	1.4893E-23	-0.31685	hypo	sig	chr11_2160393
chr5	77643611	77643611	+	3.585E-25	1.4897E-23	0.242272	hyper	sig	chr5_77643611
chr10	55630195	55630195	+	3.587E-25	1.4905E-23	0.293626	hyper	sig	chr10_55630195
chr1	1.57E+08	156657321	+	3.589E-25	1.491E-23	0.369437	hyper	sig	chr1_156657321
chr5	4941215	4941215	+	3.594E-25	1.493E-23	-0.32299	hypo	sig	chr5_4941215
chr10	3287610	3287610	+	3.595E-25	1.4935E-23	-0.30754	hypo	sig	chr10_3287610
chr12	1.31E+08	131084907	+	3.606E-25	1.498E-23	-0.305	hypo	sig	chr12_131084907
chr2	2.02E+08	202035624	+	3.61E-25	1.4994E-23	0.314556	hyper	sig	chr2_202035624
chr13	1.13E+08	113413743	+	3.61E-25	1.4996E-23	0.301093	hyper	sig	chr13_113413743
chr1	44407933	44407933	+	3.611E-25	1.5001E-23	0.332452	hyper	sig	chr1_44407933

chr12	81077791	81077791	+	3.613E-25	1.5008E-23	0.292832	hyper	sig	chr12_81077791
chr4	8325679	8325679	+	3.618E-25	1.5024E-23	-0.3735	hypo	sig	chr4_8325679
chr11	92224470	92224470	+	3.622E-25	1.5043E-23	0.285839	hyper	sig	chr11_92224470
chr19	35307048	35307048	+	3.624E-25	1.5049E-23	-0.30879	hypo	sig	chr19_35307048
chr20	46030307	46030307	+	3.624E-25	1.5049E-23	0.440549	hyper	sig	chr20_46030307
chr1	52637647	52637647	+	3.632E-25	1.5081E-23	-0.3058	hypo	sig	chr1_52637647
chr19	1075143	1075143	+	3.642E-25	1.5123E-23	-0.33178	hypo	sig	chr19_1075143
chr16	89248140	89248140	+	3.649E-25	1.515E-23	0.377868	hyper	sig	chr16_89248140
chr11	1461926	1461926	+	3.653E-25	1.5165E-23	0.381131	hyper	sig	chr11_1461926
chr19	44757132	44757132	+	3.653E-25	1.5167E-23	0.239547	hyper	sig	chr19_44757132
chr6	1.66E+08	165662022	+	3.659E-25	1.5188E-23	0.302871	hyper	sig	chr6_165662022
chr5	1.41E+08	141431583	+	3.659E-25	1.519E-23	0.36205	hyper	sig	chr5_141431583
chr5	1.14E+08	114055974	+	3.663E-25	1.5205E-23	0.299611	hyper	sig	chr5_114055974
chr17	75828256	75828256	+	3.663E-25	1.5205E-23	0.322241	hyper	sig	chr17_75828256
chr3	32819872	32819872	+	3.664E-25	1.5207E-23	0.29085	hyper	sig	chr3_32819872
chr6	28810857	28810857	+	3.667E-25	1.522E-23	0.256401	hyper	sig	chr6_28810857
chr19	57709009	57709009	+	3.668E-25	1.522E-23	0.323157	hyper	sig	chr19_57709009
chr3	48661606	48661606	+	3.672E-25	1.5239E-23	0.224718	hyper	sig	chr3_48661606
chr7	24285323	24285323	+	3.674E-25	1.5246E-23	0.368275	hyper	sig	chr7_24285323
chr3	50237975	50237975	+	3.675E-25	1.5247E-23	0.20122	hyper	sig	chr3_50237975
chr16	2127306	2127306	+	3.678E-25	1.526E-23	0.293683	hyper	sig	chr16_2127306
chr12	70920386	70920386	+	3.679E-25	1.5261E-23	0.347245	hyper	sig	chr12_70920386
chr20	63657589	63657589	+	3.682E-25	1.5274E-23	0.275856	hyper	sig	chr20_63657589
chr19	55118968	55118968	+	3.682E-25	1.5275E-23	0.324673	hyper	sig	chr19_55118968
chr2	2.02E+08	202171403	+	3.685E-25	1.5286E-23	0.294501	hyper	sig	chr2_202171403
chr7	1.57E+08	157020381	+	3.688E-25	1.5295E-23	0.362459	hyper	sig	chr7_157020381
chr1	24931009	24931009	+	3.699E-25	1.534E-23	0.394256	hyper	sig	chr1_24931009
chr4	41881090	41881090	+	3.707E-25	1.5376E-23	0.318327	hyper	sig	chr4_41881090
chr7	63930769	63930769	+	3.708E-25	1.5376E-23	-0.33735	hypo	sig	chr7_63930769
chr2	96859030	96859030	+	3.71E-25	1.5386E-23	0.361316	hyper	sig	chr2_96859030
chr12	27969505	27969505	+	3.711E-25	1.5389E-23	0.211162	hyper	sig	chr12_27969505
chr17	34157016	34157016	+	3.728E-25	1.5458E-23	0.259494	hyper	sig	chr17_34157016
chr16	86337757	86337757	+	3.729E-25	1.546E-23	-0.27747	hypo	sig	chr16_86337757
chr10	1.01E+08	101228557	+	3.734E-25	1.548E-23	0.287351	hyper	sig	chr10_101228557
chr10	1550767	1550767	+	3.737E-25	1.5491E-23	-0.35532	hypo	sig	chr10_1550767
chr11	22193881	22193881	+	3.741E-25	1.5509E-23	0.23305	hyper	sig	chr11_22193881
chr8	4992060	4992060	+	3.756E-25	1.5568E-23	0.388716	hyper	sig	chr8_4992060
chr8	48976429	48976429	+	3.756E-25	1.5569E-23	-0.37599	hypo	sig	chr8_48976429
chr11	15938322	15938322	+	3.757E-25	1.5572E-23	0.321701	hyper	sig	chr11_15938322
chr12	53966723	53966723	+	3.765E-25	1.5603E-23	0.345197	hyper	sig	chr12_53966723
chr17	9918235	9918235	+	3.765E-25	1.5603E-23	-0.25251	hypo	sig	chr17_9918235
chr5	43033949	43033949	+	3.771E-25	1.5628E-23	0.223071	hyper	sig	chr5_43033949
chr12	53960438	53960438	+	3.787E-25	1.5693E-23	0.331774	hyper	sig	chr12_53960438
chr13	21319106	21319106	+	3.794E-25	1.5719E-23	0.445786	hyper	sig	chr13_21319106
chr6	30685897	30685897	+	3.796E-25	1.5729E-23	0.274578	hyper	sig	chr6_30685897
chr12	1.14E+08	114400584	+	3.802E-25	1.5753E-23	0.291184	hyper	sig	chr12_114400584
chr18	50298702	50298702	+	3.803E-25	1.5757E-23	0.274205	hyper	sig	chr18_50298702
chr11	1.23E+08	123431341	+	3.813E-25	1.5796E-23	0.319768	hyper	sig	chr11_123431341
chr16	2967556	2967556	+	3.813E-25	1.5796E-23	0.3047	hyper	sig	chr16_2967556
chr20	56004362	56004362	+	3.823E-25	1.5835E-23	0.373242	hyper	sig	chr20_56004362
chr15	78280418	78280418	+	3.83E-25	1.5864E-23	0.21957	hyper	sig	chr15_78280418
chr5	1.41E+08	141476965	+	3.838E-25	1.5898E-23	0.310223	hyper	sig	chr5_141476965
chr17	5097600	5097600	+	3.843E-25	1.5918E-23	0.299254	hyper	sig	chr17_5097600
chr21	42668713	42668713	+	3.847E-25	1.593E-23	0.296664	hyper	sig	chr21_42668713
chr15	88638194	88638194	+	3.848E-25	1.5936E-23	-0.28515	hypo	sig	chr15_88638194
chr19	37817862	37817862	+	3.85E-25	1.5942E-23	0.294916	hyper	sig	chr19_37817862

chr6	1E+08	100448798	+	3.851E-25	1.5946E-23	0.271354	hyper	sig	chr6_100448798
chr4	1.53E+08	152680270	+	3.858E-25	1.5974E-23	-0.3184	hypo	sig	chr4_152680270
chr1	6555400	6555400	+	3.862E-25	1.5989E-23	0.300917	hyper	sig	chr1_6555400
chr20	9509102	9509102	+	3.87E-25	1.6022E-23	0.318647	hyper	sig	chr20_9509102
chr6	1.27E+08	127120006	+	3.874E-25	1.6036E-23	0.203891	hyper	sig	chr6_127120006
chr3	42265032	42265032	+	3.874E-25	1.6037E-23	0.320655	hyper	sig	chr3_42265032
chr11	1.27E+08	127005906	+	3.882E-25	1.607E-23	-0.3413	hypo	sig	chr11_127005906
chr5	73444953	73444953	+	3.882E-25	1.607E-23	0.361195	hyper	sig	chr5_73444953
chr1	2.02E+08	201889584	+	3.887E-25	1.6087E-23	0.339943	hyper	sig	chr1_201889584
chr10	1.3E+08	129969737	+	3.888E-25	1.6093E-23	0.254792	hyper	sig	chr10_129969737
chr12	1.24E+08	124380584	+	3.889E-25	1.6095E-23	0.349925	hyper	sig	chr12_124380584
chr1	2E+08	200042306	+	3.893E-25	1.6109E-23	0.341239	hyper	sig	chr1_200042306
chr12	6778347	6778347	+	3.902E-25	1.6145E-23	0.322211	hyper	sig	chr12_6778347
chr1	28517232	28517232	+	3.903E-25	1.6151E-23	-0.23295	hypo	sig	chr1_28517232
chr1	2.21E+08	220884185	+	3.904E-25	1.6154E-23	0.38041	hyper	sig	chr1_220884185
chr3	1.47E+08	147412690	+	3.914E-25	1.6193E-23	0.349477	hyper	sig	chr3_147412690
chr11	1558101	1558101	+	3.914E-25	1.6194E-23	0.318889	hyper	sig	chr11_1558101
chr1	2.03E+08	203166762	+	3.918E-25	1.6208E-23	-0.28518	hypo	sig	chr1_203166762
chr14	1.01E+08	101029312	+	3.92E-25	1.6218E-23	-0.30999	hypo	sig	chr14_101029312
chr5	3591025	3591025	+	3.923E-25	1.6227E-23	0.286315	hyper	sig	chr5_3591025
chr12	6778366	6778366	+	3.924E-25	1.6232E-23	0.29307	hyper	sig	chr12_6778366
chr14	1.02E+08	101928129	+	3.927E-25	1.624E-23	0.26775	hyper	sig	chr14_101928129
chr5	1.41E+08	141485042	+	3.927E-25	1.624E-23	0.324273	hyper	sig	chr5_141485042
chr3	44584495	44584495	+	3.934E-25	1.627E-23	0.274893	hyper	sig	chr3_44584495
chr19	12195343	12195343	+	3.939E-25	1.6292E-23	0.248878	hyper	sig	chr19_12195343
chr20	10218649	10218649	+	3.94E-25	1.6294E-23	0.317602	hyper	sig	chr20_10218649
chr9	971745	971745	+	3.94E-25	1.6294E-23	0.363485	hyper	sig	chr9_971745
chr2	45004682	45004682	+	3.95E-25	1.6334E-23	0.243514	hyper	sig	chr2_45004682
chr7	1.55E+08	155373538	+	3.952E-25	1.6341E-23	0.256949	hyper	sig	chr7_155373538
chr4	41880721	41880721	+	3.953E-25	1.6343E-23	0.274995	hyper	sig	chr4_41880721
chr3	1.49E+08	148946894	+	3.954E-25	1.6349E-23	-0.30626	hypo	sig	chr3_148946894
chr17	83014513	83014513	+	3.956E-25	1.6353E-23	-0.33298	hypo	sig	chr17_83014513
chr16	88062982	88062982	+	3.957E-25	1.6356E-23	0.313317	hyper	sig	chr16_88062982
chr19	52493310	52493310	+	3.959E-25	1.6365E-23	0.383784	hyper	sig	chr19_52493310
chr11	67978845	67978845	+	3.967E-25	1.6395E-23	-0.29496	hypo	sig	chr11_67978845
chr12	41188215	41188215	+	3.972E-25	1.6416E-23	0.384111	hyper	sig	chr12_41188215
chr2	2.28E+08	228181639	+	3.975E-25	1.6428E-23	0.328517	hyper	sig	chr2_228181639
chr7	93890311	93890311	+	3.977E-25	1.6438E-23	0.30534	hyper	sig	chr7_93890311
chr7	81027	81027	+	3.979E-25	1.6445E-23	-0.27071	hypo	sig	chr7_81027
chr14	91352162	91352162	+	3.98E-25	1.6449E-23	0.280794	hyper	sig	chr14_91352162
chr2	2.39E+08	239247166	+	3.981E-25	1.6452E-23	-0.32016	hypo	sig	chr2_239247166
chr7	30682283	30682283	+	3.983E-25	1.6458E-23	0.279203	hyper	sig	chr7_30682283
chr15	79090330	79090330	+	3.986E-25	1.6468E-23	0.236778	hyper	sig	chr15_79090330
chr13	1.13E+08	113370174	+	3.991E-25	1.649E-23	-0.26518	hypo	sig	chr13_113370174
chr6	1.68E+08	167797542	+	3.994E-25	1.6502E-23	-0.35075	hypo	sig	chr6_167797542
chr9	34457420	34457420	+	4.008E-25	1.6558E-23	0.347934	hyper	sig	chr9_34457420
chr18	12253829	12253829	+	4.01E-25	1.6565E-23	0.290979	hyper	sig	chr18_12253829
chr3	1.56E+08	155745877	+	4.015E-25	1.6585E-23	-0.32467	hypo	sig	chr3_155745877
chr6	1.51E+08	151350542	+	4.018E-25	1.6597E-23	-0.34828	hypo	sig	chr6_151350542
chr11	67989826	67989826	+	4.025E-25	1.6624E-23	-0.31733	hypo	sig	chr11_67989826
chr13	1.11E+08	110506623	+	4.026E-25	1.6629E-23	-0.38359	hypo	sig	chr13_110506623
chr8	23573501	23573501	+	4.037E-25	1.6671E-23	0.300236	hyper	sig	chr8_23573501
chr3	62377446	62377446	+	4.037E-25	1.6673E-23	0.309911	hyper	sig	chr3_62377446
chr6	98824803	98824803	+	4.045E-25	1.6702E-23	0.354701	hyper	sig	chr6_98824803
chr4	1.74E+08	173531369	+	4.046E-25	1.6708E-23	0.308138	hyper	sig	chr4_173531369
chr12	29783548	29783548	+	4.05E-25	1.6724E-23	0.252011	hyper	sig	chr12_29783548

chr2	2.23E+08	223052875	+	4.051E-25	1.6725E-23	0.373795	hyper	sig	chr2_223052875
chr1	1.57E+08	156647030	+	4.054E-25	1.6735E-23	0.328641	hyper	sig	chr1_156647030
chr16	56190866	56190866	+	4.054E-25	1.6735E-23	0.269502	hyper	sig	chr16_56190866
chr11	69449897	69449897	+	4.066E-25	1.6783E-23	-0.33348	hypo	sig	chr11_69449897
chr19	6659926	6659926	+	4.07E-25	1.6799E-23	0.398166	hyper	sig	chr19_6659926
chr1	18632928	18632928	+	4.075E-25	1.6821E-23	0.255318	hyper	sig	chr1_18632928
chr1	1.8E+08	179743956	+	4.08E-25	1.684E-23	0.284902	hyper	sig	chr1_179743956
chr1	1.58E+08	158181624	+	4.082E-25	1.6847E-23	0.325875	hyper	sig	chr1_158181624
chr6	1.67E+08	166870865	+	4.089E-25	1.6877E-23	-0.34536	hypo	sig	chr6_166870865
chr20	63361102	63361102	+	4.093E-25	1.6891E-23	0.444906	hyper	sig	chr20_63361102
chr2	1.29E+08	128900162	+	4.111E-25	1.6963E-23	-0.3202	hypo	sig	chr2_128900162
chr1	86156961	86156961	+	4.113E-25	1.6971E-23	0.239896	hyper	sig	chr1_86156961
chr3	26622394	26622394	+	4.117E-25	1.6987E-23	0.294094	hyper	sig	chr3_26622394
chr1	1.46E+08	146486723	+	4.118E-25	1.699E-23	0.366597	hyper	sig	chr1_146486723
chr1	3651339	3651339	+	4.119E-25	1.6995E-23	0.315388	hyper	sig	chr1_3651339
chr1	1.51E+08	151145902	+	4.122E-25	1.7003E-23	0.229899	hyper	sig	chr1_151145902
chr18	10589172	10589172	+	4.126E-25	1.7018E-23	-0.33585	hypo	sig	chr18_10589172
chr20	38807015	38807015	+	4.126E-25	1.7018E-23	0.286828	hyper	sig	chr20_38807015
chr5	1.73E+08	173244758	+	4.126E-25	1.7018E-23	0.417512	hyper	sig	chr5_173244758
chr14	77026512	77026512	+	4.128E-25	1.7026E-23	0.266054	hyper	sig	chr14_77026512
chr5	3597236	3597236	+	4.132E-25	1.7042E-23	0.360034	hyper	sig	chr5_3597236
chr5	1.41E+08	141431302	+	4.142E-25	1.7083E-23	0.3418	hyper	sig	chr5_141431302
chr3	1.5E+08	149657097	+	4.147E-25	1.7103E-23	0.277725	hyper	sig	chr3_149657097
chr7	665746	665746	+	4.152E-25	1.7123E-23	0.376441	hyper	sig	chr7_665746
chr16	56190751	56190751	+	4.154E-25	1.7128E-23	0.307655	hyper	sig	chr16_56190751
chr7	97731847	97731847	+	4.161E-25	1.7158E-23	0.292958	hyper	sig	chr7_97731847
chr19	57363947	57363947	+	4.163E-25	1.7165E-23	0.226908	hyper	sig	chr19_57363947
chr3	1.13E+08	113441590	+	4.164E-25	1.717E-23	0.312607	hyper	sig	chr3_113441590
chr8	1.43E+08	143273012	+	4.166E-25	1.7176E-23	-0.30562	hypo	sig	chr8_143273012
chr7	1.58E+08	157574287	+	4.173E-25	1.7202E-23	-0.27553	hypo	sig	chr7_157574287
chr8	71844758	71844758	+	4.177E-25	1.7221E-23	0.254999	hyper	sig	chr8_71844758
chr11	71610362	71610362	+	4.192E-25	1.728E-23	-0.34386	hypo	sig	chr11_71610362
chr19	11674264	11674264	+	4.195E-25	1.729E-23	0.305356	hyper	sig	chr19_11674264
chr7	97022803	97022803	+	4.199E-25	1.7307E-23	0.297342	hyper	sig	chr7_97022803
chr3	43997989	43997989	+	4.206E-25	1.7333E-23	0.305202	hyper	sig	chr3_43997989
chr13	1.11E+08	110527732	+	4.208E-25	1.7342E-23	-0.31401	hypo	sig	chr13_110527732
chr1	1.47E+08	147079232	+	4.21E-25	1.7348E-23	0.405784	hyper	sig	chr1_147079232
chr19	5036949	5036949	+	4.214E-25	1.7367E-23	0.30015	hyper	sig	chr19_5036949
chr7	1.56E+08	155961983	+	4.215E-25	1.7368E-23	-0.37578	hypo	sig	chr7_155961983
chr2	1.71E+08	170815285	+	4.217E-25	1.7378E-23	0.311475	hyper	sig	chr2_170815285
chr3	1.47E+08	147421776	+	4.222E-25	1.7396E-23	0.305562	hyper	sig	chr3_147421776
chr6	29793079	29793079	+	4.233E-25	1.7441E-23	0.277366	hyper	sig	chr6_29793079
chr6	27260357	27260357	+	4.234E-25	1.7445E-23	0.319482	hyper	sig	chr6_27260357
chr14	1.01E+08	101033743	+	4.245E-25	1.7488E-23	-0.33855	hypo	sig	chr14_101033743
chr6	1.37E+08	137498051	+	4.247E-25	1.7495E-23	0.214652	hyper	sig	chr6_137498051
chr13	76887191	76887191	+	4.268E-25	1.7582E-23	0.281379	hyper	sig	chr13_76887191
chr5	1.69E+08	169301266	+	4.269E-25	1.7584E-23	0.418095	hyper	sig	chr5_169301266
chr7	1.55E+08	155400589	+	4.27E-25	1.7589E-23	-0.36071	hypo	sig	chr7_155400589
chr7	1.54E+08	153745294	+	4.291E-25	1.7672E-23	-0.32121	hypo	sig	chr7_153745294
chr7	949600	949600	+	4.291E-25	1.7673E-23	-0.35444	hypo	sig	chr7_949600
chr20	17228004	17228004	+	4.294E-25	1.7684E-23	0.330344	hyper	sig	chr20_17228004
chr3	36992412	36992412	+	4.298E-25	1.7698E-23	0.226127	hyper	sig	chr3_36992412
chr17	83014497	83014497	+	4.305E-25	1.7727E-23	-0.29527	hypo	sig	chr17_83014497
chr17	21377394	21377394	+	4.319E-25	1.7785E-23	0.271359	hyper	sig	chr17_21377394
chr11	69819629	69819629	+	4.32E-25	1.7787E-23	0.365092	hyper	sig	chr11_69819629
chr1	1.81E+08	181483574	+	4.332E-25	1.7835E-23	0.273301	hyper	sig	chr1_181483574

chr8	49911822	49911822	+	4.333E-25	1.784E-23	0.363285	hyper	sig	chr8_49911822
chr7	1.54E+08	153749665	+	4.334E-25	1.7841E-23	0.292316	hyper	sig	chr7_153749665
chr4	8580573	8580573	+	4.335E-25	1.7844E-23	0.252525	hyper	sig	chr4_8580573
chr11	1.3E+08	129973975	+	4.335E-25	1.7845E-23	0.323966	hyper	sig	chr11_129973975
chr2	11612247	11612247	+	4.343E-25	1.7875E-23	-0.36961	hypo	sig	chr2_11612247
chr7	1.58E+08	157917929	+	4.351E-25	1.7909E-23	-0.40744	hypo	sig	chr7_157917929
chr17	40375983	40375983	+	4.354E-25	1.7919E-23	-0.31638	hypo	sig	chr17_40375983
chr12	54006692	54006692	+	4.358E-25	1.7933E-23	-0.26277	hypo	sig	chr12_54006692
chr10	1.01E+08	100519972	+	4.36E-25	1.7941E-23	0.257205	hyper	sig	chr10_100519972
chr10	1.33E+08	133389402	+	4.366E-25	1.7965E-23	-0.30883	hypo	sig	chr10_133389402
chr6	393199	393199	+	4.369E-25	1.7979E-23	0.303607	hyper	sig	chr6_393199
chr10	49115082	49115082	+	4.371E-25	1.7985E-23	0.279409	hyper	sig	chr10_49115082
chr15	22951918	22951918	+	4.374E-25	1.7995E-23	0.338178	hyper	sig	chr15_22951918
chr20	59043445	59043445	+	4.381E-25	1.8025E-23	-0.32611	hypo	sig	chr20_59043445
chr17	81472214	81472214	+	4.383E-25	1.803E-23	0.302699	hyper	sig	chr17_81472214
chr1	1.44E+08	143661712	+	4.384E-25	1.8035E-23	0.414021	hyper	sig	chr1_143661712
chr16	12120973	12120973	+	4.384E-25	1.8035E-23	0.261217	hyper	sig	chr16_12120973
chr12	43552149	43552149	+	4.386E-25	1.804E-23	0.375488	hyper	sig	chr12_43552149
chr8	1.31E+08	131042489	+	4.387E-25	1.8043E-23	0.367696	hyper	sig	chr8_131042489
chr18	79480623	79480623	+	4.388E-25	1.8047E-23	0.324707	hyper	sig	chr18_79480623
chr13	1.12E+08	111893751	+	4.392E-25	1.8064E-23	0.335141	hyper	sig	chr13_111893751
chr19	15281135	15281135	+	4.395E-25	1.8074E-23	0.299771	hyper	sig	chr19_15281135
chr5	44389746	44389746	+	4.396E-25	1.8076E-23	0.308637	hyper	sig	chr5_44389746
chr6	30127718	30127718	+	4.405E-25	1.8112E-23	0.290517	hyper	sig	chr6_30127718
chr14	56811448	56811448	+	4.413E-25	1.8145E-23	0.299485	hyper	sig	chr14_56811448
chr9	1.14E+08	114388215	+	4.415E-25	1.8152E-23	0.2905	hyper	sig	chr9_114388215
chr9	98707653	98707653	+	4.422E-25	1.818E-23	0.230995	hyper	sig	chr9_98707653
chr10	99232382	99232382	+	4.437E-25	1.8242E-23	0.211289	hyper	sig	chr10_99232382
chr11	20598645	20598645	+	4.439E-25	1.8247E-23	0.403275	hyper	sig	chr11_20598645
chr10	8037338	8037338	+	4.442E-25	1.826E-23	0.276123	hyper	sig	chr10_8037338
chr22	31104898	31104898	+	4.442E-25	1.826E-23	0.398218	hyper	sig	chr22_31104898
chr12	54000299	54000299	+	4.451E-25	1.8297E-23	0.290949	hyper	sig	chr12_54000299
chr11	72244371	72244371	+	4.452E-25	1.8298E-23	0.353597	hyper	sig	chr11_72244371
chr19	58440059	58440059	+	4.452E-25	1.83E-23	0.248498	hyper	sig	chr19_58440059
chr18	36188526	36188526	+	4.454E-25	1.8304E-23	-0.30047	hypo	sig	chr18_36188526
chr12	2753909	2753909	+	4.459E-25	1.8324E-23	-0.30413	hypo	sig	chr12_2753909
chr6	70280540	70280540	+	4.466E-25	1.8351E-23	-0.32818	hypo	sig	chr6_70280540
chr17	59333348	59333348	+	4.47E-25	1.8366E-23	0.299095	hyper	sig	chr17_59333348
chr8	52940117	52940117	+	4.478E-25	1.84E-23	0.346882	hyper	sig	chr8_52940117
chr6	30172478	30172478	+	4.481E-25	1.8411E-23	0.298361	hyper	sig	chr6_30172478
chr12	1.31E+08	130716056	+	4.487E-25	1.8436E-23	0.328163	hyper	sig	chr12_130716056
chr4	1.74E+08	174217829	+	4.49E-25	1.8444E-23	0.232009	hyper	sig	chr4_174217829
chr8	79611178	79611178	+	4.49E-25	1.8444E-23	0.313749	hyper	sig	chr8_79611178
chr9	1.36E+08	136252671	+	4.49E-25	1.8444E-23	-0.42474	hypo	sig	chr9_136252671
chr16	3189327	3189327	+	4.494E-25	1.8458E-23	0.318088	hyper	sig	chr16_3189327
chr1	50427422	50427422	+	4.498E-25	1.8476E-23	0.25411	hyper	sig	chr1_50427422
chr20	30891847	30891847	+	4.508E-25	1.8516E-23	0.369301	hyper	sig	chr20_30891847
chr1	2.24E+08	224175905	+	4.514E-25	1.854E-23	0.37698	hyper	sig	chr1_224175905
chr7	1.55E+08	155454528	+	4.516E-25	1.8546E-23	0.304299	hyper	sig	chr7_155454528
chr12	1.32E+08	132446418	+	4.517E-25	1.855E-23	-0.32822	hypo	sig	chr12_132446418
chr20	46057430	46057430	+	4.518E-25	1.8553E-23	0.318882	hyper	sig	chr20_46057430
chr19	53255256	53255256	+	4.525E-25	1.8579E-23	0.419234	hyper	sig	chr19_53255256
chr5	1.41E+08	141431363	+	4.54E-25	1.8641E-23	0.346869	hyper	sig	chr5_141431363
chr9	1.34E+08	133565714	+	4.542E-25	1.865E-23	0.339695	hyper	sig	chr9_133565714
chr14	1.02E+08	101565114	+	4.554E-25	1.8698E-23	0.2379	hyper	sig	chr14_101565114
chr20	63361137	63361137	+	4.577E-25	1.879E-23	0.365771	hyper	sig	chr20_63361137

chr19	44448430	44448430	+	4.578E-25	1.8793E-23	0.263455	hyper	sig	chr19_44448430
chr12	50842985	50842985	+	4.58E-25	1.88E-23	0.360764	hyper	sig	chr12_50842985
chr3	1.5E+08	149657105	+	4.587E-25	1.8829E-23	0.287399	hyper	sig	chr3_149657105
chr8	98948650	98948650	+	4.609E-25	1.8916E-23	0.237576	hyper	sig	chr8_98948650
chr12	1.31E+08	130954238	+	4.609E-25	1.8916E-23	0.286763	hyper	sig	chr12_130954238
chr5	14387124	14387124	+	4.609E-25	1.8916E-23	0.302422	hyper	sig	chr5_14387124
chr7	1.58E+08	157658671	+	4.61E-25	1.892E-23	-0.29974	hypo	sig	chr7_157658671
chr11	351064	351064	+	4.611E-25	1.8924E-23	-0.30134	hypo	sig	chr11_351064
chr10	1.28E+08	128047417	+	4.619E-25	1.8953E-23	-0.3009	hypo	sig	chr10_128047417
chr11	70457321	70457321	+	4.621E-25	1.8962E-23	-0.30183	hypo	sig	chr11_70457321
chr6	1E+08	100459009	+	4.623E-25	1.8968E-23	0.315441	hyper	sig	chr6_100459009
chr3	1.72E+08	172449737	+	4.631E-25	1.9001E-23	0.267384	hyper	sig	chr3_172449737
chr7	1.56E+08	155824744	+	4.637E-25	1.9023E-23	-0.30255	hypo	sig	chr7_155824744
chr11	1.06E+08	105610662	+	4.64E-25	1.9037E-23	0.260994	hyper	sig	chr11_105610662
chr13	87673129	87673129	+	4.641E-25	1.9038E-23	0.271277	hyper	sig	chr13_87673129
chr7	8441383	8441383	+	4.643E-25	1.9044E-23	0.331137	hyper	sig	chr7_8441383
chr15	37098139	37098139	+	4.648E-25	1.9066E-23	0.37568	hyper	sig	chr15_37098139
chr4	1.33E+08	133148457	+	4.649E-25	1.9069E-23	0.319639	hyper	sig	chr4_133148457
chr17	81941500	81941500	+	4.65E-25	1.9073E-23	-0.35767	hypo	sig	chr17_81941500
chr7	1.22E+08	122306930	+	4.652E-25	1.9078E-23	0.242058	hyper	sig	chr7_122306930
chr10	5550907	5550907	+	4.652E-25	1.908E-23	-0.38196	hypo	sig	chr10_5550907
chr16	85534715	85534715	+	4.653E-25	1.9082E-23	0.257071	hyper	sig	chr16_85534715
chr7	97022685	97022685	+	4.655E-25	1.9089E-23	0.352857	hyper	sig	chr7_97022685
chr3	75641288	75641288	+	4.656E-25	1.9091E-23	0.246576	hyper	sig	chr3_75641288
chr15	29100806	29100806	+	4.659E-25	1.9105E-23	-0.37245	hypo	sig	chr15_29100806
chr2	1.37E+08	136766104	+	4.664E-25	1.9122E-23	0.327906	hyper	sig	chr2_136766104
chr12	54006701	54006701	+	4.668E-25	1.9138E-23	-0.22251	hypo	sig	chr12_54006701
chr16	69351756	69351756	+	4.669E-25	1.9142E-23	-0.30022	hypo	sig	chr16_69351756
chr4	1.55E+08	155376472	+	4.682E-25	1.9192E-23	0.309273	hyper	sig	chr4_155376472
chr6	22294465	22294465	+	4.684E-25	1.92E-23	0.258078	hyper	sig	chr6_22294465
chr5	63962040	63962040	+	4.685E-25	1.9202E-23	0.296147	hyper	sig	chr5_63962040
chr4	1.72E+08	171813115	+	4.689E-25	1.9217E-23	0.276937	hyper	sig	chr4_171813115
chr11	64759945	64759945	+	4.693E-25	1.9233E-23	0.340062	hyper	sig	chr11_64759945
chr7	1.5E+08	150220200	+	4.708E-25	1.9293E-23	0.402231	hyper	sig	chr7_150220200
chr8	1.45E+08	144791050	+	4.71E-25	1.9302E-23	-0.27824	hypo	sig	chr8_144791050
chr1	2.08E+08	207669702	+	4.712E-25	1.9311E-23	0.383012	hyper	sig	chr1_207669702
chr20	2559223	2559223	+	4.713E-25	1.9314E-23	0.244121	hyper	sig	chr20_2559223
chr1	8283463	8283463	+	4.715E-25	1.932E-23	-0.29045	hypo	sig	chr1_8283463
chr7	2572346	2572346	+	4.717E-25	1.9326E-23	-0.33344	hypo	sig	chr7_2572346
chr7	1.51E+08	151125850	+	4.718E-25	1.9329E-23	0.400625	hyper	sig	chr7_151125850
chr3	1.38E+08	137761260	+	4.726E-25	1.9361E-23	0.408092	hyper	sig	chr3_137761260
chr15	74345217	74345217	+	4.749E-25	1.9454E-23	-0.28588	hypo	sig	chr15_74345217
chr7	1.57E+08	157020388	+	4.751E-25	1.9464E-23	0.370579	hyper	sig	chr7_157020388
chr11	19346009	19346009	+	4.756E-25	1.9484E-23	0.233728	hyper	sig	chr11_19346009
chr17	41583262	41583262	+	4.759E-25	1.9495E-23	-0.33035	hypo	sig	chr17_41583262
chr3	62369316	62369316	+	4.76E-25	1.9496E-23	0.366498	hyper	sig	chr3_62369316
chr3	1.97E+08	196978871	+	4.774E-25	1.9552E-23	0.315746	hyper	sig	chr3_196978871
chr5	1973703	1973703	+	4.778E-25	1.9569E-23	-0.33026	hypo	sig	chr5_1973703
chr20	41134104	41134104	+	4.779E-25	1.9572E-23	-0.31257	hypo	sig	chr20_41134104
chr12	81758450	81758450	+	4.78E-25	1.9573E-23	0.343854	hyper	sig	chr12_81758450
chr13	1.08E+08	107868672	+	4.785E-25	1.9594E-23	0.355328	hyper	sig	chr13_107868672
chr11	8016536	8016536	+	4.787E-25	1.96E-23	-0.29007	hypo	sig	chr11_8016536
chr5	42953522	42953522	+	4.789E-25	1.961E-23	0.330414	hyper	sig	chr5_42953522
chr16	3183111	3183111	+	4.794E-25	1.9629E-23	0.270864	hyper	sig	chr16_3183111
chr13	1.08E+08	107866571	+	4.796E-25	1.9636E-23	0.294018	hyper	sig	chr13_107866571
chr16	89202506	89202506	+	4.796E-25	1.9636E-23	0.290023	hyper	sig	chr16_89202506

chr17	2421849	2421849	+	4.799E-25	1.9645E-23	0.235771	hyper	sig	chr17_2421849
chr8	66963107	66963107	+	4.8E-25	1.9648E-23	0.294197	hyper	sig	chr8_66963107
chr19	6659976	6659976	+	4.806E-25	1.9673E-23	0.376077	hyper	sig	chr19_6659976
chr12	1.13E+08	113476046	+	4.824E-25	1.9745E-23	0.315169	hyper	sig	chr12_113476046
chr2	66440304	66440304	+	4.827E-25	1.9754E-23	0.258798	hyper	sig	chr2_66440304
chr19	50601143	50601143	+	4.827E-25	1.9756E-23	-0.32285	hypo	sig	chr19_50601143
chr7	44067905	44067905	+	4.835E-25	1.9785E-23	-0.26308	hypo	sig	chr7_44067905
chr16	66579217	66579217	+	4.84E-25	1.9806E-23	0.232651	hyper	sig	chr16_66579217
chr1	2.06E+08	205850062	+	4.84E-25	1.9806E-23	0.256224	hyper	sig	chr1_205850062
chr10	1.01E+08	101228617	+	4.843E-25	1.9814E-23	0.255675	hyper	sig	chr10_101228617
chr4	8261252	8261252	+	4.843E-25	1.9814E-23	-0.29237	hypo	sig	chr4_8261252
chr7	5495832	5495832	+	4.843E-25	1.9814E-23	0.273211	hyper	sig	chr7_5495832
chr9	1.32E+08	131609164	+	4.843E-25	1.9814E-23	0.358309	hyper	sig	chr9_131609164
chr16	57529574	57529574	+	4.843E-25	1.9814E-23	-0.36827	hypo	sig	chr16_57529574
chr5	1.41E+08	140856524	+	4.849E-25	1.9838E-23	0.310148	hyper	sig	chr5_140856524
chr21	26967123	26967123	+	4.857E-25	1.9869E-23	0.305677	hyper	sig	chr21_26967123
chr4	1825534	1825534	+	4.858E-25	1.9871E-23	0.279854	hyper	sig	chr4_1825534
chr12	1.32E+08	132423797	+	4.861E-25	1.9883E-23	-0.31405	hypo	sig	chr12_132423797
chr14	68364413	68364413	+	4.872E-25	1.9925E-23	0.276162	hyper	sig	chr14_68364413
chr2	5693031	5693031	+	4.881E-25	1.9963E-23	0.349513	hyper	sig	chr2_5693031
chr1	2.37E+08	237041972	+	4.891E-25	2.0003E-23	0.311126	hyper	sig	chr1_237041972
chr6	27830768	27830768	+	4.894E-25	2.0013E-23	-0.2176	hypo	sig	chr6_27830768
chr10	1.33E+08	132933441	+	4.895E-25	2.0017E-23	-0.26827	hypo	sig	chr10_132933441
chr3	49257641	49257641	+	4.897E-25	2.0022E-23	0.313117	hyper	sig	chr3_49257641
chr19	1907968	1907968	+	4.899E-25	2.0029E-23	-0.31596	hypo	sig	chr19_1907968
chr11	65833342	65833342	+	4.907E-25	2.006E-23	0.335327	hyper	sig	chr11_65833342
chr8	96498305	96498305	+	4.909E-25	2.0071E-23	-0.29079	hypo	sig	chr8_96498305
chr20	2559149	2559149	+	4.914E-25	2.0087E-23	0.264753	hyper	sig	chr20_2559149
chr20	63775461	63775461	+	4.917E-25	2.0101E-23	0.400947	hyper	sig	chr20_63775461
chr4	26804693	26804693	+	4.919E-25	2.0105E-23	0.339919	hyper	sig	chr4_26804693
chr3	1.33E+08	133410684	+	4.922E-25	2.012E-23	-0.28502	hypo	sig	chr3_133410684
chr19	48480853	48480853	+	4.93E-25	2.0152E-23	0.339471	hyper	sig	chr19_48480853
chr3	1.47E+08	147408124	+	4.933E-25	2.0161E-23	0.294089	hyper	sig	chr3_147408124
chr1	1.64E+08	164321038	+	4.936E-25	2.0174E-23	0.240197	hyper	sig	chr1_164321038
chr10	1.14E+08	114041259	+	4.941E-25	2.0191E-23	0.221288	hyper	sig	chr10_114041259
chr4	1.25E+08	125316172	+	4.947E-25	2.0215E-23	0.267013	hyper	sig	chr4_125316172
chr14	50875596	50875596	+	4.949E-25	2.0223E-23	-0.24103	hypo	sig	chr14_50875596
chr5	59894022	59894022	+	4.954E-25	2.0243E-23	0.271847	hyper	sig	chr5_59894022
chr5	1.41E+08	141419451	+	4.958E-25	2.0259E-23	0.317346	hyper	sig	chr5_141419451
chr4	7193357	7193357	+	4.962E-25	2.0271E-23	0.243675	hyper	sig	chr4_7193357
chr7	1.51E+08	151410533	+	4.962E-25	2.0273E-23	0.298896	hyper	sig	chr7_151410533
chr1	2.28E+08	227888024	+	4.98E-25	2.0343E-23	0.324678	hyper	sig	chr1_227888024
chr2	44803235	44803235	+	4.982E-25	2.0352E-23	0.368646	hyper	sig	chr2_44803235
chr7	54542239	54542239	+	4.99E-25	2.0382E-23	0.310307	hyper	sig	chr7_54542239
chr3	1.39E+08	138939664	+	4.994E-25	2.0397E-23	0.27124	hyper	sig	chr3_138939664
chr16	89096947	89096947	+	5.009E-25	2.0459E-23	-0.28798	hypo	sig	chr16_89096947
chr20	17227987	17227987	+	5.01E-25	2.0461E-23	0.365467	hyper	sig	chr20_17227987
chr10	1.32E+08	132487295	+	5.012E-25	2.047E-23	-0.28692	hypo	sig	chr10_132487295
chr16	68642558	68642558	+	5.013E-25	2.047E-23	0.35328	hyper	sig	chr16_68642558
chr7	26143961	26143961	+	5.02E-25	2.0499E-23	-0.31922	hypo	sig	chr7_26143961
chr22	50547280	50547280	+	5.042E-25	2.059E-23	0.374736	hyper	sig	chr22_50547280
chr7	27103129	27103129	+	5.045E-25	2.06E-23	0.268529	hyper	sig	chr7_27103129
chr9	16864734	16864734	+	5.045E-25	2.06E-23	0.312309	hyper	sig	chr9_16864734
chr5	58583341	58583341	+	5.056E-25	2.0644E-23	0.238664	hyper	sig	chr5_58583341
chr2	2.02E+08	202171485	+	5.065E-25	2.0678E-23	0.274778	hyper	sig	chr2_202171485
chr6	1.06E+08	105981894	+	5.067E-25	2.0685E-23	0.335025	hyper	sig	chr6_105981894

chr6	86937843	86937843	+	5.069E-25	2.0693E-23	0.278778	hyper	sig	chr6_86937843
chr11	32439150	32439150	+	5.078E-25	2.073E-23	0.227619	hyper	sig	chr11_32439150
chr20	610831	610831	+	5.083E-25	2.0746E-23	-0.37365	hypo	sig	chr20_610831
chr3	1.39E+08	138939580	+	5.085E-25	2.0753E-23	0.293355	hyper	sig	chr3_138939580
chr5	32522900	32522900	+	5.09E-25	2.0775E-23	-0.28222	hypo	sig	chr5_32522900
chr6	30163690	30163690	+	5.093E-25	2.0785E-23	-0.36756	hypo	sig	chr6_30163690
chr17	74351803	74351803	+	5.104E-25	2.0829E-23	0.353248	hyper	sig	chr17_74351803
chr8	9324767	9324767	+	5.104E-25	2.0829E-23	-0.28548	hypo	sig	chr8_9324767
chr17	48750234	48750234	+	5.105E-25	2.0829E-23	0.255928	hyper	sig	chr17_48750234
chr19	57099502	57099502	+	5.133E-25	2.0946E-23	0.37026	hyper	sig	chr19_57099502
chr19	46426895	46426895	+	5.136E-25	2.0956E-23	0.241543	hyper	sig	chr19_46426895
chr1	24931135	24931135	+	5.14E-25	2.097E-23	0.383206	hyper	sig	chr1_24931135
chr13	36674798	36674798	+	5.142E-25	2.0976E-23	0.270159	hyper	sig	chr13_36674798
chr15	89408973	89408973	+	5.142E-25	2.0976E-23	0.220852	hyper	sig	chr15_89408973
chr5	1.69E+08	168529838	+	5.144E-25	2.0984E-23	0.349138	hyper	sig	chr5_168529838
chr11	17720932	17720932	+	5.172E-25	2.1098E-23	0.384177	hyper	sig	chr11_17720932
chr12	81077815	81077815	+	5.189E-25	2.1164E-23	0.302816	hyper	sig	chr12_81077815
chr12	1.29E+08	128854268	+	5.191E-25	2.117E-23	0.295719	hyper	sig	chr12_128854268
chr8	1958172	1958172	+	5.191E-25	2.117E-23	0.300665	hyper	sig	chr8_1958172
chr5	33936380	33936380	+	5.203E-25	2.1219E-23	0.307627	hyper	sig	chr5_33936380
chr2	2.22E+08	222304782	+	5.208E-25	2.1239E-23	0.356816	hyper	sig	chr2_222304782
chr16	29167977	29167977	+	5.21E-25	2.1243E-23	-0.29714	hypo	sig	chr16_29167977
chr17	34156989	34156989	+	5.212E-25	2.1251E-23	0.242212	hyper	sig	chr17_34156989
chr14	99246043	99246043	+	5.217E-25	2.1272E-23	0.33058	hyper	sig	chr14_99246043
chr13	42574167	42574167	+	5.222E-25	2.129E-23	0.326609	hyper	sig	chr13_42574167
chr6	1.59E+08	159168904	+	5.228E-25	2.1312E-23	0.279614	hyper	sig	chr6_159168904
chr1	2.01E+08	201469629	+	5.23E-25	2.1318E-23	0.24848	hyper	sig	chr1_201469629
chr6	1.67E+08	166870833	+	5.243E-25	2.137E-23	-0.36677	hypo	sig	chr6_166870833
chr7	27103089	27103089	+	5.25E-25	2.1401E-23	0.318986	hyper	sig	chr7_27103089
chr11	19722810	19722810	+	5.258E-25	2.1432E-23	0.32894	hyper	sig	chr11_19722810
chr3	1.84E+08	184337673	+	5.271E-25	2.148E-23	0.314254	hyper	sig	chr3_184337673
chr16	760891	760891	+	5.283E-25	2.1529E-23	-0.35563	hypo	sig	chr16_760891
chr16	77788886	77788886	+	5.284E-25	2.1533E-23	0.372488	hyper	sig	chr16_77788886
chr6	26152963	26152963	+	5.287E-25	2.1546E-23	-0.27764	hypo	sig	chr6_26152963
chr19	43757320	43757320	+	5.297E-25	2.1583E-23	-0.2669	hypo	sig	chr19_43757320
chr10	1.3E+08	129883987	+	5.304E-25	2.1611E-23	-0.29476	hypo	sig	chr10_129883987
chr17	48552453	48552453	+	5.309E-25	2.1631E-23	0.367963	hyper	sig	chr17_48552453
chr11	1926429	1926429	+	5.311E-25	2.1639E-23	-0.32831	hypo	sig	chr11_1926429
chr6	33288439	33288439	+	5.313E-25	2.1645E-23	-0.22072	hypo	sig	chr6_33288439
chr13	27929393	27929393	+	5.317E-25	2.166E-23	0.38215	hyper	sig	chr13_27929393
chr6	1.5E+08	149965030	+	5.32E-25	2.1673E-23	0.305821	hyper	sig	chr6_149965030
chr2	20671519	20671519	+	5.329E-25	2.1705E-23	0.371796	hyper	sig	chr2_20671519
chr1	90717239	90717239	+	5.337E-25	2.1739E-23	0.279271	hyper	sig	chr1_90717239
chr8	30442689	30442689	+	5.338E-25	2.1741E-23	0.2888	hyper	sig	chr8_30442689
chr21	26967065	26967065	+	5.34E-25	2.1749E-23	0.32251	hyper	sig	chr21_26967065
chr18	50298677	50298677	+	5.357E-25	2.1816E-23	0.30122	hyper	sig	chr18_50298677
chr13	36155081	36155081	+	5.36E-25	2.1827E-23	0.375437	hyper	sig	chr13_36155081
chr1	2.29E+08	228650303	+	5.361E-25	2.183E-23	0.357275	hyper	sig	chr1_228650303
chr19	58098377	58098377	+	5.363E-25	2.1836E-23	0.214004	hyper	sig	chr19_58098377
chr6	28635453	28635453	+	5.371E-25	2.1868E-23	0.285818	hyper	sig	chr6_28635453
chr16	62036342	62036342	+	5.373E-25	2.1874E-23	0.29634	hyper	sig	chr16_62036342
chr6	1.17E+08	117481530	+	5.382E-25	2.1913E-23	-0.27456	hypo	sig	chr6_117481530
chr19	41904306	41904306	+	5.391E-25	2.1946E-23	-0.36206	hypo	sig	chr19_41904306
chr6	1.51E+08	151241499	+	5.395E-25	2.196E-23	0.225504	hyper	sig	chr6_151241499
chr10	5551986	5551986	+	5.396E-25	2.1964E-23	-0.27266	hypo	sig	chr10_5551986
chr3	1.86E+08	186361437	+	5.396E-25	2.1964E-23	0.381836	hyper	sig	chr3_186361437

chr6	1.68E+08	168180910	+	5.402E-25	2.1988E-23	-0.3286	hypo	sig	chr6_168180910
chr4	24807752	24807752	+	5.417E-25	2.2047E-23	0.367573	hyper	sig	chr4_24807752
chr10	23173352	23173352	+	5.433E-25	2.2108E-23	0.397788	hyper	sig	chr10_23173352
chr3	1.22E+08	122183726	+	5.432E-25	2.2108E-23	0.253969	hyper	sig	chr3_122183726
chr4	84501265	84501265	+	5.433E-25	2.2108E-23	0.303697	hyper	sig	chr4_84501265
chr7	64877531	64877531	+	5.439E-25	2.2133E-23	0.409959	hyper	sig	chr7_64877531
chr4	1.11E+08	110633334	+	5.439E-25	2.2133E-23	0.345804	hyper	sig	chr4_110633334
chr8	1.44E+08	143598936	+	5.446E-25	2.216E-23	0.32916	hyper	sig	chr8_143598936
chr4	1.74E+08	173538982	+	5.447E-25	2.2161E-23	0.224317	hyper	sig	chr4_173538982
chr7	1.5E+08	150220207	+	5.47E-25	2.2252E-23	0.437749	hyper	sig	chr7_150220207
chr1	2.24E+08	224175867	+	5.471E-25	2.2256E-23	0.38084	hyper	sig	chr1_224175867
chr2	74515175	74515175	+	5.477E-25	2.228E-23	0.330625	hyper	sig	chr2_74515175
chr5	1.79E+08	178590826	+	5.481E-25	2.2296E-23	0.279602	hyper	sig	chr5_178590826
chr8	46951332	46951332	+	5.497E-25	2.2361E-23	-0.30954	hypo	sig	chr8_46951332
chr2	1.92E+08	191885919	+	5.507E-25	2.2398E-23	-0.34435	hypo	sig	chr2_191885919
chr19	13013401	13013401	+	5.517E-25	2.2439E-23	-0.25412	hypo	sig	chr19_13013401
chr9	14993545	14993545	+	5.523E-25	2.2464E-23	0.317133	hyper	sig	chr9_14993545
chr1	22647687	22647687	+	5.533E-25	2.2502E-23	-0.26931	hypo	sig	chr1_22647687
chr3	27730313	27730313	+	5.536E-25	2.2511E-23	0.332951	hyper	sig	chr3_27730313
chr1	1.11E+08	110675621	+	5.546E-25	2.2552E-23	0.357394	hyper	sig	chr1_110675621
chr6	27291305	27291305	+	5.546E-25	2.2553E-23	0.27376	hyper	sig	chr6_27291305
chr8	1.01E+08	101494441	+	5.56E-25	2.2609E-23	-0.37541	hypo	sig	chr8_101494441
chr9	1.36E+08	136361280	+	5.561E-25	2.2611E-23	0.362512	hyper	sig	chr9_136361280
chr8	56113149	56113149	+	5.565E-25	2.2626E-23	0.342257	hyper	sig	chr8_56113149
chr3	1.07E+08	107429490	+	5.574E-25	2.2658E-23	0.281262	hyper	sig	chr3_107429490
chr7	1.57E+08	157462508	+	5.579E-25	2.2681E-23	-0.33017	hypo	sig	chr7_157462508
chr11	1558260	1558260	+	5.583E-25	2.2695E-23	0.383312	hyper	sig	chr11_1558260
chr3	4977168	4977168	+	5.6E-25	2.2763E-23	-0.26758	hypo	sig	chr3_4977168
chr1	16766033	16766033	+	5.616E-25	2.2826E-23	0.305957	hyper	sig	chr1_16766033
chr2	5696187	5696187	+	5.619E-25	2.2838E-23	0.36241	hyper	sig	chr2_5696187
chr1	24931745	24931745	+	5.62E-25	2.284E-23	0.358473	hyper	sig	chr1_24931745
chr2	50347439	50347439	+	5.621E-25	2.2842E-23	0.286408	hyper	sig	chr2_50347439
chr4	1.76E+08	176001628	+	5.621E-25	2.2842E-23	0.299684	hyper	sig	chr4_176001628
chr9	970581	970581	+	5.628E-25	2.2867E-23	0.273447	hyper	sig	chr9_970581
chr16	6020328	6020328	+	5.641E-25	2.2919E-23	0.289811	hyper	sig	chr16_6020328
chr13	42574633	42574633	+	5.68E-25	2.3077E-23	0.27621	hyper	sig	chr13_42574633
chr13	99971910	99971910	+	5.68E-25	2.3077E-23	0.377325	hyper	sig	chr13_99971910
chr6	33175191	33175191	+	5.692E-25	2.3124E-23	-0.26201	hypo	sig	chr6_33175191
chr16	85586393	85586393	+	5.703E-25	2.3164E-23	0.34254	hyper	sig	chr16_85586393
chr17	78132553	78132553	+	5.703E-25	2.3164E-23	-0.26589	hypo	sig	chr17_78132553
chr3	75655422	75655422	+	5.707E-25	2.3181E-23	0.340083	hyper	sig	chr3_75655422
chr12	6914182	6914182	+	5.719E-25	2.3227E-23	0.276775	hyper	sig	chr12_6914182
chr7	27124341	27124341	+	5.736E-25	2.3297E-23	0.30281	hyper	sig	chr7_27124341
chr22	44180388	44180388	+	5.751E-25	2.3354E-23	-0.29109	hypo	sig	chr22_44180388
chr19	695530	695530	+	5.759E-25	2.3386E-23	-0.28235	hypo	sig	chr19_695530
chr15	83283943	83283943	+	5.771E-25	2.3432E-23	0.358417	hyper	sig	chr15_83283943
chr11	1343800	1343800	+	5.776E-25	2.3452E-23	-0.3392	hypo	sig	chr11_1343800
chr20	56925576	56925576	+	5.78E-25	2.3466E-23	0.296232	hyper	sig	chr20_56925576
chr11	31825279	31825279	+	5.781E-25	2.3468E-23	0.311726	hyper	sig	chr11_31825279
chr13	52848645	52848645	+	5.78E-25	2.3468E-23	0.256291	hyper	sig	chr13_52848645
chr4	55794278	55794278	+	5.781E-25	2.3468E-23	0.2846	hyper	sig	chr4_55794278
chr8	60876502	60876502	+	5.782E-25	2.3471E-23	-0.38545	hypo	sig	chr8_60876502
chr3	62374088	62374088	+	5.79E-25	2.3503E-23	0.30443	hyper	sig	chr3_62374088
chr2	30230570	30230570	+	5.798E-25	2.3534E-23	0.358036	hyper	sig	chr2_30230570
chr20	38728132	38728132	+	5.799E-25	2.3537E-23	0.471306	hyper	sig	chr20_38728132
chr14	28774478	28774478	+	5.805E-25	2.3558E-23	0.32571	hyper	sig	chr14_28774478

chr19	1762491	1762491	+	5.807E-25	2.3567E-23	0.360729	hyper	sig	chr19_1762491
chr11	92225228	92225228	+	5.814E-25	2.3593E-23	0.305344	hyper	sig	chr11_92225228
chr13	1.12E+08	112439882	+	5.823E-25	2.3632E-23	-0.3519	hypo	sig	chr13_112439882
chr7	97020750	97020750	+	5.839E-25	2.3694E-23	0.283179	hyper	sig	chr7_97020750
chr21	43924728	43924728	+	5.846E-25	2.3722E-23	-0.30168	hypo	sig	chr21_43924728
chr12	54053766	54053766	+	5.854E-25	2.3751E-23	0.336194	hyper	sig	chr12_54053766
chr5	1.78E+08	178121614	+	5.855E-25	2.3753E-23	0.383574	hyper	sig	chr5_178121614
chr20	63178011	63178011	+	5.857E-25	2.376E-23	0.279457	hyper	sig	chr20_63178011
chr8	23707155	23707155	+	5.872E-25	2.3821E-23	0.283191	hyper	sig	chr8_23707155
chr10	80356747	80356747	+	5.877E-25	2.3841E-23	0.253731	hyper	sig	chr10_80356747
chr8	22597960	22597960	+	5.884E-25	2.3868E-23	0.294187	hyper	sig	chr8_22597960
chr5	1.75E+08	174731678	+	5.889E-25	2.3888E-23	0.396667	hyper	sig	chr5_174731678
chr5	1.41E+08	141428187	+	5.895E-25	2.3909E-23	0.292307	hyper	sig	chr5_141428187
chr1	8211907	8211907	+	5.9E-25	2.3928E-23	-0.33577	hypo	sig	chr1_8211907
chr6	15505114	15505114	+	5.909E-25	2.3966E-23	0.353816	hyper	sig	chr6_15505114
chr2	1.54E+08	153871551	+	5.911E-25	2.397E-23	0.32834	hyper	sig	chr2_153871551
chr11	65355853	65355853	+	5.915E-25	2.3987E-23	0.316918	hyper	sig	chr11_65355853
chr17	42687615	42687615	+	5.922E-25	2.4012E-23	0.288832	hyper	sig	chr17_42687615
chr5	1.81E+08	181114850	+	5.922E-25	2.4012E-23	0.319255	hyper	sig	chr5_181114850
chr8	26051697	26051697	+	5.942E-25	2.4091E-23	0.243455	hyper	sig	chr8_26051697
chr2	5691074	5691074	+	5.945E-25	2.4102E-23	0.288795	hyper	sig	chr2_5691074
chr7	73735289	73735289	+	5.951E-25	2.4127E-23	-0.36742	hypo	sig	chr7_73735289
chr1	1.47E+08	147078884	+	5.961E-25	2.4166E-23	0.350241	hyper	sig	chr1_147078884
chr12	1.13E+08	113479859	+	5.965E-25	2.4181E-23	0.347152	hyper	sig	chr12_113479859
chr15	47184838	47184838	+	5.967E-25	2.4188E-23	0.25184	hyper	sig	chr15_47184838
chr1	90724668	90724668	+	5.99E-25	2.4281E-23	0.302018	hyper	sig	chr1_90724668
chr4	26804591	26804591	+	5.998E-25	2.431E-23	0.260732	hyper	sig	chr4_26804591
chr10	8051440	8051440	+	6.001E-25	2.432E-23	0.2506	hyper	sig	chr10_8051440
chr8	52941855	52941855	+	6.022E-25	2.4403E-23	0.27605	hyper	sig	chr8_52941855
chr17	77408499	77408499	+	6.023E-25	2.4409E-23	0.397384	hyper	sig	chr17_77408499
chr2	1.3E+08	130075053	+	6.027E-25	2.4424E-23	-0.30095	hypo	sig	chr2_130075053
chr2	1.19E+08	119156969	+	6.037E-25	2.446E-23	0.324405	hyper	sig	chr2_119156969
chr4	8394459	8394459	+	6.037E-25	2.4462E-23	0.32436	hyper	sig	chr4_8394459
chr19	6276820	6276820	+	6.051E-25	2.4514E-23	0.321867	hyper	sig	chr19_6276820
chr11	2709356	2709356	+	6.052E-25	2.452E-23	0.368989	hyper	sig	chr11_2709356
chr13	24743489	24743489	+	6.056E-25	2.4532E-23	-0.36368	hypo	sig	chr13_24743489
chr7	97024389	97024389	+	6.064E-25	2.4565E-23	0.295208	hyper	sig	chr7_97024389
chr19	1993101	1993101	+	6.068E-25	2.4579E-23	-0.26999	hypo	sig	chr19_1993101
chr20	32052462	32052462	+	6.073E-25	2.4598E-23	0.242065	hyper	sig	chr20_32052462
chr7	91265768	91265768	+	6.077E-25	2.4612E-23	0.351838	hyper	sig	chr7_91265768
chr5	1.14E+08	114055944	+	6.078E-25	2.4615E-23	0.318257	hyper	sig	chr5_114055944
chr4	1.7E+08	170091442	+	6.083E-25	2.4634E-23	-0.37258	hypo	sig	chr4_170091442
chr6	13860332	13860332	+	6.09E-25	2.4663E-23	0.317981	hyper	sig	chr6_13860332
chr12	2753045	2753045	+	6.096E-25	2.4686E-23	0.334008	hyper	sig	chr12_2753045
chr7	2630292	2630292	+	6.097E-25	2.469E-23	-0.2877	hypo	sig	chr7_2630292
chr22	20207031	20207031	+	6.1E-25	2.4699E-23	-0.31004	hypo	sig	chr22_20207031
chr3	1.47E+08	147421712	+	6.102E-25	2.4707E-23	0.316525	hyper	sig	chr3_147421712
chr16	88971886	88971886	+	6.104E-25	2.4714E-23	-0.35965	hypo	sig	chr16_88971886
chr8	24914915	24914915	+	6.115E-25	2.4755E-23	0.240366	hyper	sig	chr8_24914915
chr7	4725340	4725340	+	6.12E-25	2.4777E-23	0.299639	hyper	sig	chr7_4725340
chr7	1.5E+08	149833895	+	6.135E-25	2.4835E-23	-0.36841	hypo	sig	chr7_149833895
chr6	30172371	30172371	+	6.142E-25	2.4859E-23	0.330497	hyper	sig	chr6_30172371
chr6	1.08E+08	108171154	+	6.141E-25	2.4859E-23	0.358214	hyper	sig	chr6_108171154
chr19	33684575	33684575	+	6.147E-25	2.4882E-23	0.248578	hyper	sig	chr19_33684575
chr2	2.32E+08	232388086	+	6.152E-25	2.4898E-23	0.448409	hyper	sig	chr2_232388086
chr13	1.08E+08	107868659	+	6.153E-25	2.4901E-23	0.378074	hyper	sig	chr13_107868659

chr5	1.41E+08	141432097	+	6.155E-25	2.4906E-23	0.354174	hyper	sig	chr5_141432097
chr18	59696497	59696497	+	6.166E-25	2.495E-23	0.259052	hyper	sig	chr18_59696497
chr2	1.61E+08	161416815	+	6.17E-25	2.4963E-23	0.347081	hyper	sig	chr2_161416815
chr2	2.36E+08	235577703	+	6.169E-25	2.4963E-23	0.297717	hyper	sig	chr2_235577703
chr11	90134743	90134743	+	6.171E-25	2.4969E-23	0.248136	hyper	sig	chr11_90134743
chr17	897100	897100	+	6.176E-25	2.4987E-23	0.363543	hyper	sig	chr17_897100
chr5	1.41E+08	141485136	+	6.179E-25	2.4998E-23	0.29465	hyper	sig	chr5_141485136
chr14	91284462	91284462	+	6.195E-25	2.5061E-23	0.257703	hyper	sig	chr14_91284462
chr9	1.3E+08	129620564	+	6.196E-25	2.5063E-23	0.318405	hyper	sig	chr9_129620564
chr7	1.56E+08	155824646	+	6.199E-25	2.5076E-23	-0.27074	hypo	sig	chr7_155824646
chr6	37649036	37649036	+	6.23E-25	2.5197E-23	0.373995	hyper	sig	chr6_37649036
chr2	1.19E+08	118857487	+	6.231E-25	2.5202E-23	0.35883	hyper	sig	chr2_118857487
chr15	47184827	47184827	+	6.236E-25	2.522E-23	0.249453	hyper	sig	chr15_47184827
chr21	44709705	44709705	+	6.239E-25	2.523E-23	0.309193	hyper	sig	chr21_44709705
chr1	1.48E+08	148354872	+	6.242E-25	2.524E-23	0.328406	hyper	sig	chr1_148354872
chr2	2.41E+08	240831966	+	6.243E-25	2.5246E-23	0.303922	hyper	sig	chr2_240831966
chr3	13637615	13637615	+	6.25E-25	2.5273E-23	-0.28901	hypo	sig	chr3_13637615
chr14	97953438	97953438	+	6.257E-25	2.5298E-23	-0.28861	hypo	sig	chr14_97953438
chr5	1.29E+08	128537787	+	6.259E-25	2.5304E-23	0.306112	hyper	sig	chr5_128537787
chr13	1.1E+08	110388265	+	6.265E-25	2.5328E-23	0.32357	hyper	sig	chr13_110388265
chr19	56507700	56507700	+	6.268E-25	2.5339E-23	0.33868	hyper	sig	chr19_56507700
chr13	78607900	78607900	+	6.269E-25	2.5341E-23	0.344624	hyper	sig	chr13_78607900
chr4	3242479	3242479	+	6.27E-25	2.5346E-23	0.303866	hyper	sig	chr4_3242479
chr19	57935059	57935059	+	6.273E-25	2.5354E-23	0.359627	hyper	sig	chr19_57935059
chr10	16520585	16520585	+	6.279E-25	2.5378E-23	0.313013	hyper	sig	chr10_16520585
chr16	51151435	51151435	+	6.284E-25	2.5397E-23	0.331019	hyper	sig	chr16_51151435
chr6	1.5E+08	149965076	+	6.284E-25	2.5398E-23	0.268097	hyper	sig	chr6_149965076
chr19	53255312	53255312	+	6.286E-25	2.5402E-23	0.334832	hyper	sig	chr19_53255312
chr1	1.44E+08	143905339	+	6.286E-25	2.5402E-23	0.396538	hyper	sig	chr1_143905339
chr19	22135664	22135664	+	6.293E-25	2.543E-23	-0.31294	hypo	sig	chr19_22135664
chr10	1.02E+08	102451571	+	6.294E-25	2.5432E-23	-0.28314	hypo	sig	chr10_102451571
chr1	1.58E+08	158180184	+	6.298E-25	2.5447E-23	-0.38457	hypo	sig	chr1_158180184
chr8	49909799	49909799	+	6.305E-25	2.5472E-23	0.291453	hyper	sig	chr8_49909799
chr1	1.48E+08	148310271	+	6.312E-25	2.5501E-23	0.368761	hyper	sig	chr1_148310271
chr9	1.36E+08	136107394	+	6.313E-25	2.5503E-23	-0.29947	hypo	sig	chr9_136107394
chr9	37026742	37026742	+	6.314E-25	2.5506E-23	0.346161	hyper	sig	chr9_37026742
chr4	54231883	54231883	+	6.316E-25	2.5515E-23	0.321491	hyper	sig	chr4_54231883
chr2	74499821	74499821	+	6.317E-25	2.5515E-23	0.314085	hyper	sig	chr2_74499821
chr1	2273738	2273738	+	6.317E-25	2.5516E-23	0.373605	hyper	sig	chr1_2273738
chr10	27746723	27746723	+	6.334E-25	2.558E-23	0.269986	hyper	sig	chr10_27746723
chr8	1.44E+08	143939083	+	6.344E-25	2.5621E-23	-0.2307	hypo	sig	chr8_143939083
chr3	1.41E+08	141052526	+	6.344E-25	2.5621E-23	0.337158	hyper	sig	chr3_141052526
chr9	36258849	36258849	+	6.352E-25	2.5652E-23	0.208065	hyper	sig	chr9_36258849
chr9	34457521	34457521	+	6.36E-25	2.568E-23	0.336904	hyper	sig	chr9_34457521
chr2	74515230	74515230	+	6.376E-25	2.5747E-23	0.343487	hyper	sig	chr2_74515230
chr7	54544640	54544640	+	6.382E-25	2.5767E-23	0.346068	hyper	sig	chr7_54544640
chr1	50417743	50417743	+	6.39E-25	2.5798E-23	0.298829	hyper	sig	chr1_50417743
chr15	47184807	47184807	+	6.402E-25	2.5844E-23	0.266689	hyper	sig	chr15_47184807
chr7	30478034	30478034	+	6.407E-25	2.5862E-23	-0.22321	hypo	sig	chr7_30478034
chr15	37098107	37098107	+	6.412E-25	2.5884E-23	0.332546	hyper	sig	chr15_37098107
chr17	79212099	79212099	+	6.413E-25	2.5886E-23	-0.41411	hypo	sig	chr17_79212099
chr2	1.19E+08	118849509	+	6.415E-25	2.5891E-23	0.291857	hyper	sig	chr2_118849509
chr1	1.61E+08	161199167	+	6.416E-25	2.5893E-23	0.275892	hyper	sig	chr1_161199167
chr12	1.32E+08	132167928	+	6.427E-25	2.5937E-23	-0.29872	hypo	sig	chr12_132167928
chr4	53347417	53347417	+	6.43E-25	2.595E-23	0.310924	hyper	sig	chr4_53347417
chr11	69817371	69817371	+	6.435E-25	2.5968E-23	0.237239	hyper	sig	chr11_69817371

chr7	1.57E+08	157020880	+	6.442E-25	2.5994E-23	0.220599	hyper	sig	chr7_157020880
chr10	43846520	43846520	+	6.444E-25	2.6003E-23	-0.4091	hypo	sig	chr10_43846520
chr1	2.08E+08	207645540	+	6.448E-25	2.6017E-23	0.34235	hyper	sig	chr1_207645540
chr3	38634343	38634343	+	6.48E-25	2.6143E-23	-0.29955	hypo	sig	chr3_38634343
chr10	42480187	42480187	+	6.487E-25	2.6171E-23	-0.41176	hypo	sig	chr10_42480187
chr19	40614362	40614362	+	6.492E-25	2.6188E-23	0.205374	hyper	sig	chr19_40614362
chr10	1.26E+08	125772629	+	6.5E-25	2.6223E-23	-0.30097	hypo	sig	chr10_125772629
chr1	1.13E+08	112850508	+	6.503E-25	2.623E-23	-0.40012	hypo	sig	chr1_112850508
chr11	624548	624548	+	6.506E-25	2.6241E-23	-0.34868	hypo	sig	chr11_624548
chr5	1.81E+08	181059733	+	6.511E-25	2.626E-23	0.280801	hyper	sig	chr5_181059733
chr9	1.36E+08	136356394	+	6.515E-25	2.6276E-23	-0.34441	hypo	sig	chr9_136356394
chr8	1.4E+08	139703457	+	6.518E-25	2.6288E-23	0.458647	hyper	sig	chr8_139703457
chr2	1.74E+08	174328742	+	6.521E-25	2.6296E-23	0.256678	hyper	sig	chr2_174328742
chr9	1.1E+08	110208183	+	6.521E-25	2.6296E-23	-0.29786	hypo	sig	chr9_110208183
chr17	48545146	48545146	+	6.523E-25	2.6303E-23	0.291563	hyper	sig	chr17_48545146
chr6	98825224	98825224	+	6.527E-25	2.6318E-23	0.264534	hyper	sig	chr6_98825224
chr12	1.13E+08	113476059	+	6.528E-25	2.6321E-23	0.273359	hyper	sig	chr12_113476059
chr17	35345951	35345951	+	6.529E-25	2.6324E-23	0.25028	hyper	sig	chr17_35345951
chr7	797794	797794	+	6.546E-25	2.6389E-23	0.35184	hyper	sig	chr7_797794
chr4	1.72E+08	171813674	+	6.547E-25	2.6395E-23	0.358165	hyper	sig	chr4_171813674
chr16	66925888	66925888	+	6.555E-25	2.6424E-23	0.319504	hyper	sig	chr16_66925888
chr8	56113135	56113135	+	6.565E-25	2.6464E-23	0.327977	hyper	sig	chr8_56113135
chr15	83107128	83107128	+	6.57E-25	2.6483E-23	0.258359	hyper	sig	chr15_83107128
chr19	52370258	52370258	+	6.571E-25	2.6484E-23	0.229358	hyper	sig	chr19_52370258
chr5	88678102	88678102	+	6.578E-25	2.6513E-23	0.354983	hyper	sig	chr5_88678102
chr17	45430131	45430131	+	6.581E-25	2.6521E-23	0.401874	hyper	sig	chr17_45430131
chr3	1.34E+08	133758103	+	6.583E-25	2.6528E-23	-0.32997	hypo	sig	chr3_133758103
chr5	1.35E+08	135490261	+	6.588E-25	2.6549E-23	0.264208	hyper	sig	chr5_135490261
chr7	1.51E+08	151012364	+	6.59E-25	2.6555E-23	-0.39031	hypo	sig	chr7_151012364
chr9	1.37E+08	137030963	+	6.59E-25	2.6555E-23	-0.28326	hypo	sig	chr9_137030963
chr3	62374264	62374264	+	6.592E-25	2.6559E-23	0.349321	hyper	sig	chr3_62374264
chr10	1.01E+08	101236481	+	6.594E-25	2.6565E-23	0.267714	hyper	sig	chr10_101236481
chr19	49961178	49961178	+	6.599E-25	2.6583E-23	-0.34014	hypo	sig	chr19_49961178
chr22	29479964	29479964	+	6.599E-25	2.6583E-23	0.332568	hyper	sig	chr22_29479964
chr7	1.28E+08	128032196	+	6.599E-25	2.6583E-23	0.280132	hyper	sig	chr7_128032196
chr14	94774107	94774107	+	6.599E-25	2.6584E-23	0.291406	hyper	sig	chr14_94774107
chr6	98842797	98842797	+	6.605E-25	2.6604E-23	0.327326	hyper	sig	chr6_98842797
chr13	1.14E+08	114095995	+	6.606E-25	2.6607E-23	-0.32018	hypo	sig	chr13_114095995
chr7	1842412	1842412	+	6.606E-25	2.6607E-23	-0.28649	hypo	sig	chr7_1842412
chr3	48661630	48661630	+	6.607E-25	2.6608E-23	0.246281	hyper	sig	chr3_48661630
chr11	1.12E+08	111912839	+	6.61E-25	2.6622E-23	0.309043	hyper	sig	chr11_111912839
chr6	393215	393215	+	6.613E-25	2.6632E-23	0.272563	hyper	sig	chr6_393215
chr11	1.3E+08	129743826	+	6.62E-25	2.6658E-23	-0.34053	hypo	sig	chr11_129743826
chr7	30697983	30697983	+	6.63E-25	2.6697E-23	-0.21237	hypo	sig	chr7_30697983
chr5	1.5E+08	150189954	+	6.631E-25	2.6701E-23	0.324832	hyper	sig	chr5_150189954
chr12	6824394	6824394	+	6.641E-25	2.6739E-23	-0.30252	hypo	sig	chr12_6824394
chr14	28774405	28774405	+	6.646E-25	2.6757E-23	0.234062	hyper	sig	chr14_28774405
chr20	60970969	60970969	+	6.655E-25	2.6792E-23	-0.34582	hypo	sig	chr20_60970969
chr8	76683064	76683064	+	6.656E-25	2.6795E-23	0.335343	hyper	sig	chr8_76683064
chr6	1.27E+08	127119402	+	6.663E-25	2.682E-23	0.33875	hyper	sig	chr6_127119402
chr16	67963955	67963955	+	6.666E-25	2.6832E-23	0.325519	hyper	sig	chr16_67963955
chr17	15463614	15463614	+	6.686E-25	2.6908E-23	0.320441	hyper	sig	chr17_15463614
chr7	5495843	5495843	+	6.689E-25	2.6921E-23	0.262447	hyper	sig	chr7_5495843
chr16	782870	782870	+	6.695E-25	2.6945E-23	-0.34194	hypo	sig	chr16_782870
chr1	2.44E+08	243917776	+	6.702E-25	2.697E-23	0.301549	hyper	sig	chr1_243917776
chr1	24535408	24535408	+	6.711E-25	2.7005E-23	-0.27125	hypo	sig	chr1_24535408

chr9	1.37E+08	136617872	+	6.718E-25	2.7031E-23	-0.32505	hypo	sig	chr9_136617872
chr20	17228062	17228062	+	6.721E-25	2.7042E-23	0.406084	hyper	sig	chr20_17228062
chr19	9498318	9498318	+	6.728E-25	2.707E-23	0.351195	hyper	sig	chr19_9498318
chr1	1.11E+08	110675674	+	6.73E-25	2.7077E-23	0.308429	hyper	sig	chr1_110675674
chr1	2.08E+08	207645173	+	6.737E-25	2.7103E-23	0.255082	hyper	sig	chr1_207645173
chr16	10183391	10183391	+	6.753E-25	2.7165E-23	0.21807	hyper	sig	chr16_10183391
chr3	1.97E+08	196660624	+	6.755E-25	2.7171E-23	-0.37223	hypo	sig	chr3_196660624
chr19	57351112	57351112	+	6.755E-25	2.7173E-23	0.214973	hyper	sig	chr19_57351112
chr11	15114555	15114555	+	6.756E-25	2.7174E-23	0.335944	hyper	sig	chr11_15114555
chr2	40451698	40451698	+	6.768E-25	2.722E-23	0.321494	hyper	sig	chr2_40451698
chr4	1.72E+08	171813661	+	6.77E-25	2.7226E-23	0.332051	hyper	sig	chr4_171813661
chr8	55939589	55939589	+	6.779E-25	2.7262E-23	0.344836	hyper	sig	chr8_55939589
chr11	69099315	69099315	+	6.783E-25	2.7275E-23	-0.34933	hypo	sig	chr11_69099315
chr13	36345197	36345197	+	6.791E-25	2.7308E-23	0.299197	hyper	sig	chr13_36345197
chr1	50425630	50425630	+	6.799E-25	2.7337E-23	0.303847	hyper	sig	chr1_50425630
chr2	1.61E+08	161427345	+	6.801E-25	2.7343E-23	0.284047	hyper	sig	chr2_161427345
chr3	1.58E+08	158095828	+	6.801E-25	2.7343E-23	0.308498	hyper	sig	chr3_158095828
chr5	1.41E+08	141351766	+	6.829E-25	2.7456E-23	0.301413	hyper	sig	chr5_141351766
chr3	43997865	43997865	+	6.83E-25	2.7456E-23	0.204676	hyper	sig	chr3_43997865
chr8	52941007	52941007	+	6.833E-25	2.7466E-23	0.313063	hyper	sig	chr8_52941007
chr1	2.08E+08	207669933	+	6.836E-25	2.7479E-23	0.304348	hyper	sig	chr1_207669933
chr10	1.02E+08	102436449	+	6.841E-25	2.7498E-23	-0.29333	hypo	sig	chr10_102436449
chr16	56655200	56655200	+	6.853E-25	2.7542E-23	-0.31118	hypo	sig	chr16_56655200
chr12	3493380	3493380	+	6.854E-25	2.7548E-23	0.298061	hyper	sig	chr12_3493380
chr16	55656502	55656502	+	6.87E-25	2.761E-23	0.295639	hyper	sig	chr16_55656502
chr7	1.58E+08	157713845	+	6.873E-25	2.7618E-23	-0.32923	hypo	sig	chr7_157713845
chr7	19117579	19117579	+	6.881E-25	2.7652E-23	0.283403	hyper	sig	chr7_19117579
chr13	25171630	25171630	+	6.888E-25	2.7676E-23	0.305789	hyper	sig	chr13_25171630
chr2	1.24E+08	124024676	+	6.898E-25	2.7717E-23	0.37191	hyper	sig	chr2_124024676
chr4	5708225	5708225	+	6.899E-25	2.7717E-23	0.327692	hyper	sig	chr4_5708225
chr22	48672921	48672921	+	6.902E-25	2.7731E-23	-0.34301	hypo	sig	chr22_48672921
chr17	48727049	48727049	+	6.903E-25	2.7734E-23	0.318778	hyper	sig	chr17_48727049
chr4	1.51E+08	150579861	+	6.905E-25	2.774E-23	0.436499	hyper	sig	chr4_150579861
chr2	31137862	31137862	+	6.92E-25	2.7798E-23	0.26332	hyper	sig	chr2_31137862
chr11	32431333	32431333	+	6.939E-25	2.7872E-23	0.321491	hyper	sig	chr11_32431333
chr16	1150066	1150066	+	6.939E-25	2.7872E-23	0.338734	hyper	sig	chr16_1150066
chr14	36654573	36654573	+	6.948E-25	2.7906E-23	0.343715	hyper	sig	chr14_36654573
chr7	1.55E+08	155465662	+	6.954E-25	2.7929E-23	0.322544	hyper	sig	chr7_155465662
chr2	1.82E+08	181684069	+	6.955E-25	2.793E-23	0.320051	hyper	sig	chr2_181684069
chr6	29943589	29943589	+	6.972E-25	2.8E-23	-0.28704	hypo	sig	chr6_29943589
chr2	96505646	96505646	+	6.973E-25	2.8002E-23	-0.28603	hypo	sig	chr2_96505646
chr5	1.14E+08	114056303	+	6.973E-25	2.8002E-23	0.271739	hyper	sig	chr5_114056303
chr1	3651174	3651174	+	7.003E-25	2.8117E-23	0.316001	hyper	sig	chr1_3651174
chr19	18650754	18650754	+	7.009E-25	2.8142E-23	0.36042	hyper	sig	chr19_18650754
chr4	1.74E+08	173519368	+	7.021E-25	2.819E-23	0.269199	hyper	sig	chr4_173519368
chr1	1.81E+08	181483699	+	7.023E-25	2.8194E-23	0.291818	hyper	sig	chr1_181483699
chr8	1.41E+08	141164631	+	7.029E-25	2.8218E-23	0.390601	hyper	sig	chr8_141164631
chr1	17149561	17149561	+	7.036E-25	2.8243E-23	0.334261	hyper	sig	chr1_17149561
chr9	1.22E+08	121598829	+	7.037E-25	2.8246E-23	0.322979	hyper	sig	chr9_121598829
chr16	165542	165542	+	7.05E-25	2.8298E-23	0.278736	hyper	sig	chr16_165542
chr11	15938079	15938079	+	7.079E-25	2.8413E-23	0.304487	hyper	sig	chr11_15938079
chr6	33195556	33195556	+	7.097E-25	2.8482E-23	0.255827	hyper	sig	chr6_33195556
chr19	40483886	40483886	+	7.101E-25	2.8497E-23	-0.35197	hypo	sig	chr19_40483886
chr7	1235895	1235895	+	7.102E-25	2.8501E-23	0.455998	hyper	sig	chr7_1235895
chr7	35187014	35187014	+	7.103E-25	2.8505E-23	0.215329	hyper	sig	chr7_35187014
chr8	88326851	88326851	+	7.112E-25	2.8538E-23	0.286385	hyper	sig	chr8_88326851

chr10	23173188	23173188	+	7.119E-25	2.8564E-23	0.385284	hyper	sig	chr10_23173188
chr11	69005624	69005624	+	7.126E-25	2.8593E-23	0.316484	hyper	sig	chr11_69005624
chr12	1.17E+08	116970158	+	7.129E-25	2.8604E-23	0.210789	hyper	sig	chr12_116970158
chr7	97951201	97951201	+	7.131E-25	2.8607E-23	-0.3083	hypo	sig	chr7_97951201
chr1	16872397	16872397	+	7.137E-25	2.8631E-23	0.302471	hyper	sig	chr1_16872397
chr8	97277939	97277939	+	7.14E-25	2.8643E-23	0.276845	hyper	sig	chr8_97277939
chr10	1.09E+08	108911905	+	7.143E-25	2.8654E-23	0.296881	hyper	sig	chr10_108911905
chr4	65670804	65670804	+	7.177E-25	2.8786E-23	0.220423	hyper	sig	chr4_65670804
chr6	1.08E+08	108174360	+	7.18E-25	2.88E-23	0.305289	hyper	sig	chr6_108174360
chr7	23471818	23471818	+	7.183E-25	2.8807E-23	-0.29579	hypo	sig	chr7_23471818
chr7	1.55E+08	155373807	+	7.183E-25	2.8809E-23	0.242303	hyper	sig	chr7_155373807
chr7	1.5E+08	149833905	+	7.188E-25	2.8825E-23	-0.36382	hypo	sig	chr7_149833905
chr3	48223263	48223263	+	7.196E-25	2.8856E-23	-0.32714	hypo	sig	chr3_48223263
chr17	79379437	79379437	+	7.22E-25	2.895E-23	-0.30789	hypo	sig	chr17_79379437
chr11	70482762	70482762	+	7.237E-25	2.9016E-23	0.326667	hyper	sig	chr11_70482762
chr19	17329139	17329139	+	7.258E-25	2.9098E-23	0.237619	hyper	sig	chr19_17329139
chr2	2.41E+08	240831961	+	7.261E-25	2.9112E-23	0.304076	hyper	sig	chr2_240831961
chr5	83473226	83473226	+	7.266E-25	2.9129E-23	0.211432	hyper	sig	chr5_83473226
chr20	46246801	46246801	+	7.267E-25	2.9132E-23	0.363361	hyper	sig	chr20_46246801
chr7	88758984	88758984	+	7.279E-25	2.9178E-23	0.327691	hyper	sig	chr7_88758984
chr19	12156312	12156312	+	7.281E-25	2.9186E-23	0.287415	hyper	sig	chr19_12156312
chr22	29479987	29479987	+	7.303E-25	2.9269E-23	0.451949	hyper	sig	chr22_29479987
chr5	3592453	3592453	+	7.31E-25	2.9298E-23	0.235461	hyper	sig	chr5_3592453
chr3	1.38E+08	137760816	+	7.312E-25	2.9303E-23	0.320961	hyper	sig	chr3_137760816
chr2	65396407	65396407	+	7.312E-25	2.9303E-23	-0.27789	hypo	sig	chr2_65396407
chr1	3063446	3063446	+	7.324E-25	2.9345E-23	0.401136	hyper	sig	chr1_3063446
chr1	1.19E+08	119007880	+	7.323E-25	2.9345E-23	0.369357	hyper	sig	chr1_119007880
chr16	85847918	85847918	+	7.323E-25	2.9345E-23	-0.29268	hypo	sig	chr16_85847918
chr6	1.27E+08	127119249	+	7.327E-25	2.9358E-23	0.321839	hyper	sig	chr6_127119249
chr18	36188528	36188528	+	7.329E-25	2.9365E-23	-0.31851	hypo	sig	chr18_36188528
chr7	1.56E+08	155509235	+	7.333E-25	2.9379E-23	0.255043	hyper	sig	chr7_155509235
chr3	1.47E+08	147391121	+	7.345E-25	2.9426E-23	0.320629	hyper	sig	chr3_147391121
chr10	81502775	81502775	+	7.354E-25	2.9461E-23	-0.31253	hypo	sig	chr10_81502775
chr19	21475207	21475207	+	7.355E-25	2.9463E-23	0.294482	hyper	sig	chr19_21475207
chr13	78596848	78596848	+	7.386E-25	2.9586E-23	0.290906	hyper	sig	chr13_78596848
chr3	1.98E+08	198081762	+	7.395E-25	2.9619E-23	0.349035	hyper	sig	chr3_198081762
chr11	31800817	31800817	+	7.405E-25	2.9659E-23	0.322732	hyper	sig	chr11_31800817
chr1	1.65E+08	165355174	+	7.407E-25	2.9665E-23	0.302177	hyper	sig	chr1_165355174
chr1	1.98E+08	197913668	+	7.417E-25	2.9704E-23	0.321071	hyper	sig	chr1_197913668
chr2	1.15E+08	115163156	+	7.429E-25	2.9749E-23	0.331834	hyper	sig	chr2_115163156
chr1	47445251	47445251	+	7.43E-25	2.9754E-23	0.238343	hyper	sig	chr1_47445251
chr14	85529309	85529309	+	7.433E-25	2.9761E-23	0.324593	hyper	sig	chr14_85529309
chr12	1.03E+08	102962249	+	7.442E-25	2.9796E-23	0.2777	hyper	sig	chr12_102962249
chr16	88967326	88967326	+	7.446E-25	2.981E-23	-0.3386	hypo	sig	chr16_88967326
chr12	1.33E+08	132524562	+	7.446E-25	2.9812E-23	-0.41974	hypo	sig	chr12_132524562
chr2	1.19E+08	118857414	+	7.451E-25	2.9829E-23	0.281359	hyper	sig	chr2_118857414
chr7	213469	213469	+	7.454E-25	2.984E-23	-0.29447	hypo	sig	chr7_213469
chr4	6663980	6663980	+	7.479E-25	2.9937E-23	0.399231	hyper	sig	chr4_6663980
chr11	24496777	24496777	+	7.482E-25	2.9945E-23	0.201804	hyper	sig	chr11_24496777
chr4	1405412	1405412	+	7.483E-25	2.9951E-23	0.353609	hyper	sig	chr4_1405412
chr7	1.28E+08	128032224	+	7.484E-25	2.9951E-23	0.281768	hyper	sig	chr7_128032224
chr7	19118009	19118009	+	7.485E-25	2.9957E-23	0.314581	hyper	sig	chr7_19118009
chr11	45681554	45681554	+	7.489E-25	2.9968E-23	-0.31905	hypo	sig	chr11_45681554
chr2	2.13E+08	212536837	+	7.492E-25	2.9981E-23	0.351792	hyper	sig	chr2_212536837
chr4	1.47E+08	146640748	+	7.493E-25	2.9983E-23	0.325684	hyper	sig	chr4_146640748
chr12	85279536	85279536	+	7.508E-25	3.004E-23	0.328025	hyper	sig	chr12_85279536

chr19	57099548	57099548	+	7.512E-25	3.0056E-23	0.399822	hyper	sig	chr19_57099548
chr2	91588200	91588200	+	7.516E-25	3.007E-23	-0.35408	hypo	sig	chr2_91588200
chr12	63669168	63669168	+	7.53E-25	3.0121E-23	0.242304	hyper	sig	chr12_63669168
chr2	2.19E+08	219496922	+	7.53E-25	3.0121E-23	0.256428	hyper	sig	chr2_219496922
chr10	70603053	70603053	+	7.536E-25	3.0146E-23	-0.26546	hypo	sig	chr10_70603053
chr8	68332025	68332025	+	7.55E-25	3.0198E-23	0.286049	hyper	sig	chr8_68332025
chr8	1.43E+08	143219493	+	7.558E-25	3.023E-23	-0.38578	hypo	sig	chr8_143219493
chr13	1.13E+08	113422086	+	7.561E-25	3.0238E-23	0.302877	hyper	sig	chr13_113422086
chr22	41923777	41923777	+	7.572E-25	3.0282E-23	-0.29382	hypo	sig	chr22_41923777
chr5	14387082	14387082	+	7.574E-25	3.0288E-23	0.372048	hyper	sig	chr5_14387082
chr10	1.33E+08	132540114	+	7.589E-25	3.0349E-23	0.279531	hyper	sig	chr10_132540114
chr4	1.84E+08	183723390	+	7.607E-25	3.0418E-23	-0.30681	hypo	sig	chr4_183723390
chr9	36166112	36166112	+	7.646E-25	3.0574E-23	0.332274	hyper	sig	chr9_36166112
chr7	1.55E+08	155462518	+	7.649E-25	3.0582E-23	0.296116	hyper	sig	chr7_155462518
chr4	1.55E+08	155376462	+	7.656E-25	3.0607E-23	0.314955	hyper	sig	chr4_155376462
chr11	32427186	32427186	+	7.663E-25	3.0634E-23	0.258748	hyper	sig	chr11_32427186
chr16	75253121	75253121	+	7.663E-25	3.0634E-23	0.332589	hyper	sig	chr16_75253121
chr12	54473758	54473758	+	7.665E-25	3.0641E-23	-0.37227	hypo	sig	chr12_54473758
chr13	1.13E+08	113098724	+	7.695E-25	3.076E-23	0.262806	hyper	sig	chr13_113098724
chr14	52790692	52790692	+	7.705E-25	3.0797E-23	-0.37683	hypo	sig	chr14_52790692
chr12	4809752	4809752	+	7.715E-25	3.0837E-23	0.316739	hyper	sig	chr12_4809752
chr7	90119437	90119437	+	7.728E-25	3.0886E-23	0.205021	hyper	sig	chr7_90119437
chr14	23366803	23366803	+	7.729E-25	3.0889E-23	0.3369	hyper	sig	chr14_23366803
chr8	64376621	64376621	+	7.73E-25	3.0889E-23	0.357851	hyper	sig	chr8_64376621
chr8	41665973	41665973	+	7.74E-25	3.0929E-23	-0.27668	hypo	sig	chr8_41665973
chr16	89162540	89162540	+	7.741E-25	3.093E-23	-0.35883	hypo	sig	chr16_89162540
chr18	909085	909085	+	7.75E-25	3.0964E-23	0.350267	hyper	sig	chr18_909085
chr10	55627876	55627876	+	7.76E-25	3.1003E-23	0.272659	hyper	sig	chr10_55627876
chr1	1.81E+08	180913545	+	7.762E-25	3.1009E-23	0.268322	hyper	sig	chr1_180913545
chr5	42944109	42944109	+	7.762E-25	3.1009E-23	0.431904	hyper	sig	chr5_42944109
chr16	88958119	88958119	+	7.767E-25	3.1026E-23	-0.28074	hypo	sig	chr16_88958119
chr21	42317015	42317015	+	7.768E-25	3.1029E-23	-0.30426	hypo	sig	chr21_42317015
chr1	2305223	2305223	+	7.777E-25	3.1064E-23	0.335017	hyper	sig	chr1_2305223
chr19	2290987	2290987	+	7.783E-25	3.1086E-23	0.250713	hyper	sig	chr19_2290987
chr1	12063495	12063495	+	7.788E-25	3.1102E-23	0.207289	hyper	sig	chr1_12063495
chr7	875460	875460	+	7.791E-25	3.1115E-23	0.228336	hyper	sig	chr7_875460
chr16	51153661	51153661	+	7.795E-25	3.1127E-23	0.352173	hyper	sig	chr16_51153661
chr5	53837141	53837141	+	7.797E-25	3.1132E-23	-0.30118	hypo	sig	chr5_53837141
chr5	3606978	3606978	+	7.802E-25	3.1151E-23	0.337745	hyper	sig	chr5_3606978
chr2	27307564	27307564	+	7.804E-25	3.1159E-23	0.299997	hyper	sig	chr2_27307564
chr19	58440743	58440743	+	7.805E-25	3.1161E-23	0.319707	hyper	sig	chr19_58440743
chr8	37797956	37797956	+	7.812E-25	3.119E-23	0.337655	hyper	sig	chr8_37797956
chr4	1.9E+08	190015182	+	7.815E-25	3.1199E-23	0.368638	hyper	sig	chr4_190015182
chr13	96091905	96091905	+	7.824E-25	3.1233E-23	0.276274	hyper	sig	chr13_96091905
chr17	4901104	4901104	+	7.824E-25	3.1233E-23	0.310405	hyper	sig	chr17_4901104
chr19	8702295	8702295	+	7.84E-25	3.1292E-23	-0.26522	hypo	sig	chr19_8702295
chr19	45553780	45553780	+	7.84E-25	3.1292E-23	0.338157	hyper	sig	chr19_45553780
chr3	1.71E+08	170585410	+	7.844E-25	3.1306E-23	0.303139	hyper	sig	chr3_170585410
chr1	1.14E+08	114154434	+	7.849E-25	3.1324E-23	0.23484	hyper	sig	chr1_114154434
chr10	71816550	71816550	+	7.852E-25	3.1336E-23	0.381699	hyper	sig	chr10_71816550
chr6	1.68E+08	167678731	+	7.853E-25	3.1337E-23	0.432727	hyper	sig	chr6_167678731
chr3	11568719	11568719	+	7.873E-25	3.1416E-23	0.296848	hyper	sig	chr3_11568719
chr1	2.3E+08	229570466	+	7.881E-25	3.1445E-23	-0.4233	hypo	sig	chr1_229570466
chr1	8370734	8370734	+	7.883E-25	3.1453E-23	0.324967	hyper	sig	chr1_8370734
chr2	2.06E+08	206444279	+	7.887E-25	3.1468E-23	0.290398	hyper	sig	chr2_206444279
chr10	73867418	73867418	+	7.891E-25	3.1481E-23	0.28712	hyper	sig	chr10_73867418

chr5	1.56E+08	155728939	+	7.91E-25	3.1554E-23	0.364655	hyper	sig	chr5_155728939
chr7	56115953	56115953	+	7.91E-25	3.1555E-23	0.336278	hyper	sig	chr7_56115953
chr12	1.13E+08	113476073	+	7.922E-25	3.1603E-23	0.304919	hyper	sig	chr12_113476073
chr8	1968119	1968119	+	7.944E-25	3.1688E-23	-0.33043	hypo	sig	chr8_1968119
chr19	57320867	57320867	+	7.946E-25	3.1692E-23	0.248757	hyper	sig	chr19_57320867
chr5	1113121	1113121	+	7.946E-25	3.1693E-23	-0.37336	hypo	sig	chr5_1113121
chr7	1.59E+08	159144040	+	7.948E-25	3.1697E-23	0.323392	hyper	sig	chr7_159144040
chr19	35307063	35307063	+	7.958E-25	3.1735E-23	-0.34522	hypo	sig	chr19_35307063
chr20	63451220	63451220	+	7.963E-25	3.1755E-23	-0.39471	hypo	sig	chr20_63451220
chr6	32043729	32043729	+	7.968E-25	3.1773E-23	-0.35129	hypo	sig	chr6_32043729
chr2	9103103	9103103	+	7.985E-25	3.184E-23	-0.45724	hypo	sig	chr2_9103103
chr20	21701317	21701317	+	7.987E-25	3.1845E-23	0.267648	hyper	sig	chr20_21701317
chr11	20598203	20598203	+	7.994E-25	3.1871E-23	0.335716	hyper	sig	chr11_20598203
chr20	63736346	63736346	+	8.005E-25	3.1913E-23	-0.34408	hypo	sig	chr20_63736346
chr7	1.29E+08	128783267	+	8.005E-25	3.1914E-23	0.368782	hyper	sig	chr7_128783267
chr6	71421033	71421033	+	8.02E-25	3.1973E-23	0.253085	hyper	sig	chr6_71421033
chr4	95549809	95549809	+	8.035E-25	3.2029E-23	0.250499	hyper	sig	chr4_95549809
chr11	67573304	67573304	+	8.043E-25	3.2059E-23	-0.33939	hypo	sig	chr11_67573304
chr3	48609993	48609993	+	8.045E-25	3.2066E-23	0.243746	hyper	sig	chr3_48609993
chr16	2236487	2236487	+	8.046E-25	3.2069E-23	0.354807	hyper	sig	chr16_2236487
chr11	20601202	20601202	+	8.051E-25	3.2088E-23	0.301168	hyper	sig	chr11_20601202
chr10	22345804	22345804	+	8.052E-25	3.209E-23	0.420359	hyper	sig	chr10_22345804
chr2	2.19E+08	219496936	+	8.058E-25	3.2113E-23	0.301813	hyper	sig	chr2_219496936
chr5	81394408	81394408	+	8.066E-25	3.2139E-23	0.256279	hyper	sig	chr5_81394408
chr6	32062282	32062282	+	8.066E-25	3.2139E-23	-0.27729	hypo	sig	chr6_32062282
chr5	45696353	45696353	+	8.074E-25	3.2171E-23	0.300491	hyper	sig	chr5_45696353
chr13	1.12E+08	111972585	+	8.078E-25	3.2185E-23	0.310164	hyper	sig	chr13_111972585
chr8	1.43E+08	143499884	+	8.079E-25	3.2189E-23	0.370276	hyper	sig	chr8_143499884
chr19	40613953	40613953	+	8.083E-25	3.2202E-23	0.284143	hyper	sig	chr19_40613953
chr12	85273825	85273825	+	8.086E-25	3.2211E-23	0.301285	hyper	sig	chr12_85273825
chr16	3183117	3183117	+	8.095E-25	3.2248E-23	0.2619	hyper	sig	chr16_3183117
chr13	25372749	25372749	+	8.097E-25	3.2253E-23	0.474548	hyper	sig	chr13_25372749
chr12	1.29E+08	128976520	+	8.104E-25	3.2279E-23	0.262546	hyper	sig	chr12_128976520
chr7	77245575	77245575	+	8.104E-25	3.2279E-23	0.297836	hyper	sig	chr7_77245575
chr1	1.55E+08	154573294	+	8.105E-25	3.228E-23	-0.30427	hypo	sig	chr1_154573294
chr3	1.39E+08	138960709	+	8.109E-25	3.2293E-23	0.254439	hyper	sig	chr3_138960709
chr12	57736613	57736613	+	8.121E-25	3.234E-23	0.268085	hyper	sig	chr12_57736613
chr2	2.41E+08	240672643	+	8.137E-25	3.2405E-23	0.354938	hyper	sig	chr2_240672643
chr15	41838537	41838537	+	8.14E-25	3.2413E-23	-0.27977	hypo	sig	chr15_41838537
chr1	18632850	18632850	+	8.147E-25	3.2439E-23	0.30368	hyper	sig	chr1_18632850
chr22	30806491	30806491	+	8.147E-25	3.2439E-23	-0.36872	hypo	sig	chr22_30806491
chr3	1.92E+08	192410187	+	8.148E-25	3.2441E-23	0.434768	hyper	sig	chr3_192410187
chr8	1.41E+08	141299477	+	8.156E-25	3.2472E-23	0.291877	hyper	sig	chr8_141299477
chr3	1.26E+08	126394850	+	8.172E-25	3.2531E-23	0.302555	hyper	sig	chr3_126394850
chr7	4810474	4810474	+	8.177E-25	3.255E-23	-0.41209	hypo	sig	chr7_4810474
chr3	11898475	11898475	+	8.181E-25	3.2565E-23	-0.25597	hypo	sig	chr3_11898475
chr2	1E+08	100392114	+	8.188E-25	3.2592E-23	-0.28141	hypo	sig	chr2_100392114
chr10	7409317	7409317	+	8.193E-25	3.2608E-23	0.258683	hyper	sig	chr10_7409317
chr17	9701035	9701035	+	8.193E-25	3.2609E-23	0.305175	hyper	sig	chr17_9701035
chr4	55125308	55125308	+	8.194E-25	3.261E-23	0.332318	hyper	sig	chr4_55125308
chr17	66830066	66830066	+	8.21E-25	3.2671E-23	0.29632	hyper	sig	chr17_66830066
chr13	52739768	52739768	+	8.215E-25	3.2693E-23	0.34256	hyper	sig	chr13_52739768
chr1	24931108	24931108	+	8.256E-25	3.2852E-23	0.346527	hyper	sig	chr1_24931108
chr1	17580529	17580529	+	8.256E-25	3.2853E-23	-0.29631	hypo	sig	chr1_17580529
chr19	36245741	36245741	+	8.283E-25	3.2957E-23	0.320404	hyper	sig	chr19_36245741
chr10	1.33E+08	132943099	+	8.288E-25	3.2975E-23	0.442868	hyper	sig	chr10_132943099

chr13	1.13E+08	112843318	+	8.288E-25	3.2975E-23	0.274459	hyper	sig	chr13_112843318
chr5	42994029	42994029	+	8.304E-25	3.3035E-23	0.277159	hyper	sig	chr5_42994029
chr20	21396385	21396385	+	8.332E-25	3.3144E-23	0.306806	hyper	sig	chr20_21396385
chr5	1100222	1100222	+	8.335E-25	3.3153E-23	0.400716	hyper	sig	chr5_1100222
chr13	58823042	58823042	+	8.335E-25	3.3154E-23	-0.43307	hypo	sig	chr13_58823042
chr17	15764728	15764728	+	8.336E-25	3.3155E-23	-0.32669	hypo	sig	chr17_15764728
chr4	3649737	3649737	+	8.344E-25	3.3188E-23	-0.34335	hypo	sig	chr4_3649737
chr10	1.24E+08	123892033	+	8.345E-25	3.3189E-23	0.346317	hyper	sig	chr10_123892033
chr1	2.21E+08	220891828	+	8.351E-25	3.3209E-23	-0.29732	hypo	sig	chr1_220891828
chr6	32763350	32763350	+	8.355E-25	3.3227E-23	-0.29339	hypo	sig	chr6_32763350
chr8	74984880	74984880	+	8.359E-25	3.3241E-23	0.270787	hyper	sig	chr8_74984880
chr16	86499358	86499358	+	8.361E-25	3.3245E-23	0.442904	hyper	sig	chr16_86499358
chr20	41366202	41366202	+	8.361E-25	3.3245E-23	0.458143	hyper	sig	chr20_41366202
chr5	3596827	3596827	+	8.376E-25	3.3303E-23	0.430509	hyper	sig	chr5_3596827
chr1	1.48E+08	148309527	+	8.385E-25	3.3335E-23	0.300113	hyper	sig	chr1_148309527
chr5	1.76E+08	175867904	+	8.416E-25	3.3457E-23	-0.32618	hypo	sig	chr5_175867904
chr14	1.06E+08	105598171	+	8.445E-25	3.3571E-23	-0.2604	hypo	sig	chr14_105598171
chr5	1.46E+08	146339049	+	8.445E-25	3.3571E-23	0.312672	hyper	sig	chr5_146339049
chr5	1.41E+08	141393056	+	8.451E-25	3.3591E-23	0.2553	hyper	sig	chr5_141393056
chr17	4433837	4433837	+	8.455E-25	3.3608E-23	-0.28039	hypo	sig	chr17_4433837
chr10	1.33E+08	132746856	+	8.487E-25	3.373E-23	0.317693	hyper	sig	chr10_132746856
chr14	76138830	76138830	+	8.487E-25	3.373E-23	0.336621	hyper	sig	chr14_76138830
chr19	56507695	56507695	+	8.487E-25	3.373E-23	0.336499	hyper	sig	chr19_56507695
chr5	43192843	43192843	+	8.508E-25	3.381E-23	0.208331	hyper	sig	chr5_43192843
chr4	1.47E+08	146640683	+	8.516E-25	3.384E-23	0.289185	hyper	sig	chr4_146640683
chr12	1.17E+08	116970030	+	8.517E-25	3.3841E-23	0.257198	hyper	sig	chr12_116970030
chr19	37817447	37817447	+	8.528E-25	3.3882E-23	0.322251	hyper	sig	chr19_37817447
chr1	1.5E+08	149900146	+	8.538E-25	3.3919E-23	0.315542	hyper	sig	chr1_149900146
chr14	1.05E+08	104637356	+	8.547E-25	3.3955E-23	-0.38808	hypo	sig	chr14_104637356
chr5	1.5E+08	150156202	+	8.548E-25	3.3959E-23	0.298519	hyper	sig	chr5_150156202
chr1	1.58E+08	158181525	+	8.57E-25	3.4045E-23	0.332966	hyper	sig	chr1_158181525
chr1	2911173	2911173	+	8.577E-25	3.4071E-23	-0.30006	hypo	sig	chr1_2911173
chr3	27730176	27730176	+	8.587E-25	3.4108E-23	0.26783	hyper	sig	chr3_27730176
chr20	62647070	62647070	+	8.602E-25	3.4165E-23	-0.31185	hypo	sig	chr20_62647070
chr5	1.59E+08	159097398	+	8.602E-25	3.4165E-23	0.344733	hyper	sig	chr5_159097398
chr19	41575915	41575915	+	8.607E-25	3.418E-23	-0.27992	hypo	sig	chr19_41575915
chr16	73063977	73063977	+	8.61E-25	3.4194E-23	-0.35308	hypo	sig	chr16_73063977
chr17	82882904	82882904	+	8.611E-25	3.4194E-23	-0.34107	hypo	sig	chr17_82882904
chr16	49465193	49465193	+	8.626E-25	3.4253E-23	0.367952	hyper	sig	chr16_49465193
chr11	69819723	69819723	+	8.63E-25	3.4267E-23	0.262711	hyper	sig	chr11_69819723
chr10	1.25E+08	124627192	+	8.632E-25	3.4275E-23	-0.38252	hypo	sig	chr10_124627192
chr5	1.81E+08	181100626	+	8.634E-25	3.4278E-23	0.301458	hyper	sig	chr5_181100626
chr7	88758910	88758910	+	8.656E-25	3.4362E-23	0.373391	hyper	sig	chr7_88758910
chr17	4785985	4785985	+	8.671E-25	3.4423E-23	0.331249	hyper	sig	chr17_4785985
chr19	44757678	44757678	+	8.705E-25	3.4555E-23	0.370849	hyper	sig	chr19_44757678
chr15	37098083	37098083	+	8.71E-25	3.4573E-23	0.351077	hyper	sig	chr15_37098083
chr12	1.19E+08	118774431	+	8.72E-25	3.4612E-23	0.256761	hyper	sig	chr12_118774431
chr2	2.42E+08	242031747	+	8.722E-25	3.4616E-23	-0.32898	hypo	sig	chr2_242031747
chr17	35374343	35374343	+	8.725E-25	3.4626E-23	0.230424	hyper	sig	chr17_35374343
chr2	2.02E+08	202171424	+	8.728E-25	3.4637E-23	0.288982	hyper	sig	chr2_202171424
chr10	1.32E+08	132065632	+	8.728E-25	3.4637E-23	0.218722	hyper	sig	chr10_132065632
chr6	1.42E+08	141562284	+	8.729E-25	3.4637E-23	-0.4194	hypo	sig	chr6_141562284
chr6	27495435	27495435	+	8.73E-25	3.4642E-23	0.287814	hyper	sig	chr6_27495435
chr5	1.81E+08	180825309	+	8.739E-25	3.4674E-23	0.278722	hyper	sig	chr5_180825309
chr5	1.36E+08	136026018	+	8.757E-25	3.4744E-23	0.29628	hyper	sig	chr5_136026018
chr17	82242901	82242901	+	8.772E-25	3.4802E-23	0.298868	hyper	sig	chr17_82242901

chr19	50639339	50639339	+	8.774E-25	3.4806E-23	0.281042	hyper	sig	chr19_50639339
chr16	1941397	1941397	+	8.781E-25	3.4834E-23	-0.29979	hypo	sig	chr16_1941397
chr3	1.69E+08	169149736	+	8.785E-25	3.4849E-23	-0.27574	hypo	sig	chr3_169149736
chr19	48746995	48746995	+	8.808E-25	3.4937E-23	0.226782	hyper	sig	chr19_48746995
chr6	28810437	28810437	+	8.808E-25	3.4937E-23	0.285162	hyper	sig	chr6_28810437
chr20	46030312	46030312	+	8.822E-25	3.499E-23	0.432884	hyper	sig	chr20_46030312
chr17	34637246	34637246	+	8.847E-25	3.5087E-23	-0.30017	hypo	sig	chr17_34637246
chr17	82882936	82882936	+	8.848E-25	3.5088E-23	-0.30971	hypo	sig	chr17_82882936
chr12	1.32E+08	132446302	+	8.85E-25	3.5094E-23	-0.26145	hypo	sig	chr12_132446302
chr8	1.44E+08	144074340	+	8.85E-25	3.5095E-23	-0.29089	hypo	sig	chr8_144074340
chr6	1.08E+08	108158319	+	8.855E-25	3.5112E-23	0.227362	hyper	sig	chr6_108158319
chr8	1.45E+08	144700026	+	8.856E-25	3.5113E-23	0.247445	hyper	sig	chr8_144700026
chr4	95548950	95548950	+	8.869E-25	3.5164E-23	0.385483	hyper	sig	chr4_95548950
chr8	42499053	42499053	+	8.879E-25	3.5201E-23	0.376401	hyper	sig	chr8_42499053
chr17	1047300	1047300	+	8.88E-25	3.5206E-23	0.361165	hyper	sig	chr17_1047300
chr19	1077305	1077305	+	8.883E-25	3.5213E-23	-0.24635	hypo	sig	chr19_1077305
chr7	45922266	45922266	+	8.883E-25	3.5213E-23	0.236262	hyper	sig	chr7_45922266
chr1	1.44E+08	143651563	+	8.884E-25	3.5216E-23	0.367881	hyper	sig	chr1_143651563
chr10	3127067	3127067	+	8.891E-25	3.5242E-23	0.323941	hyper	sig	chr10_3127067
chr16	27225801	27225801	+	8.907E-25	3.5304E-23	-0.275	hypo	sig	chr16_27225801
chr14	92688058	92688058	+	8.918E-25	3.5343E-23	0.400002	hyper	sig	chr14_92688058
chr7	1.58E+08	157675411	+	8.929E-25	3.5387E-23	-0.26262	hypo	sig	chr7_157675411
chr22	50578733	50578733	+	8.93E-25	3.539E-23	0.336358	hyper	sig	chr22_50578733
chr15	42057617	42057617	+	8.935E-25	3.5406E-23	-0.28623	hypo	sig	chr15_42057617
chr10	1.3E+08	129969876	+	8.943E-25	3.5437E-23	0.26434	hyper	sig	chr10_129969876
chr7	19106659	19106659	+	8.95E-25	3.5462E-23	0.295305	hyper	sig	chr7_19106659
chr8	1653148	1653148	+	8.954E-25	3.5475E-23	-0.23327	hypo	sig	chr8_1653148
chr18	50298752	50298752	+	8.961E-25	3.5504E-23	0.320351	hyper	sig	chr18_50298752
chr19	19514535	19514535	+	8.965E-25	3.5516E-23	0.326525	hyper	sig	chr19_19514535
chr11	69001408	69001408	+	8.97E-25	3.5534E-23	0.401416	hyper	sig	chr11_69001408
chr7	5354246	5354246	+	8.971E-25	3.5539E-23	0.3332	hyper	sig	chr7_5354246
chr11	5580893	5580893	+	8.976E-25	3.5553E-23	-0.27908	hypo	sig	chr11_5580893
chr5	3198030	3198030	+	8.981E-25	3.5575E-23	0.332187	hyper	sig	chr5_3198030
chr2	2.34E+08	233939114	+	8.982E-25	3.5577E-23	0.312803	hyper	sig	chr2_233939114
chr1	1.19E+08	118990212	+	9.002E-25	3.5655E-23	0.273571	hyper	sig	chr1_118990212
chr7	28410351	28410351	+	9.004E-25	3.5657E-23	0.241547	hyper	sig	chr7_28410351
chr1	1.55E+08	154970120	+	9.016E-25	3.5705E-23	0.353392	hyper	sig	chr1_154970120
chr2	27082684	27082684	+	9.035E-25	3.5777E-23	0.313341	hyper	sig	chr2_27082684
chr17	58155023	58155023	+	9.039E-25	3.5791E-23	-0.2771	hypo	sig	chr17_58155023
chr7	4764800	4764800	+	9.042E-25	3.5803E-23	0.222145	hyper	sig	chr7_4764800
chr7	1.04E+08	103989085	+	9.049E-25	3.583E-23	0.285819	hyper	sig	chr7_103989085
chr5	88678189	88678189	+	9.054E-25	3.5847E-23	0.359099	hyper	sig	chr5_88678189
chr3	3183690	3183690	+	9.068E-25	3.59E-23	-0.30638	hypo	sig	chr3_3183690
chr17	77282051	77282051	+	9.072E-25	3.5911E-23	-0.27668	hypo	sig	chr17_77282051
chr15	52788756	52788756	+	9.075E-25	3.5923E-23	0.373938	hyper	sig	chr15_52788756
chr14	36667186	36667186	+	9.079E-25	3.5936E-23	0.276844	hyper	sig	chr14_36667186
chr2	1.55E+08	154698902	+	9.079E-25	3.5936E-23	0.23938	hyper	sig	chr2_154698902
chr1	2074003	2074003	+	9.087E-25	3.5962E-23	0.356852	hyper	sig	chr1_2074003
chr19	55087381	55087381	+	9.086E-25	3.5962E-23	0.263402	hyper	sig	chr19_55087381
chr7	1.43E+08	143388496	+	9.091E-25	3.5976E-23	0.23287	hyper	sig	chr7_143388496
chr8	1.2E+08	119673336	+	9.091E-25	3.5977E-23	0.300832	hyper	sig	chr8_119673336
chr3	48662267	48662267	+	9.095E-25	3.5988E-23	0.408383	hyper	sig	chr3_48662267
chr8	2145296	2145296	+	9.101E-25	3.6012E-23	-0.29746	hypo	sig	chr8_2145296
chr19	33799393	33799393	+	9.119E-25	3.6081E-23	0.315835	hyper	sig	chr19_33799393
chr19	53132920	53132920	+	9.148E-25	3.6195E-23	0.300392	hyper	sig	chr19_53132920
chr2	27307533	27307533	+	9.157E-25	3.6229E-23	0.310321	hyper	sig	chr2_27307533

chr7	1081597	1081597	+	9.162E-25	3.6248E-23	0.259884	hyper	sig	chr7_1081597
chr19	23002835	23002835	+	9.193E-25	3.6369E-23	0.323251	hyper	sig	chr19_23002835
chr16	4371444	4371444	+	9.2E-25	3.6393E-23	0.311135	hyper	sig	chr16_4371444
chr12	4809979	4809979	+	9.201E-25	3.6396E-23	0.376407	hyper	sig	chr12_4809979
chr10	1.3E+08	129969696	+	9.202E-25	3.6396E-23	0.265066	hyper	sig	chr10_129969696
chr4	1.21E+08	121380852	+	9.204E-25	3.6403E-23	0.313789	hyper	sig	chr4_121380852
chr8	1160500	1160500	+	9.218E-25	3.6455E-23	-0.32814	hypo	sig	chr8_1160500
chr9	1.3E+08	129669304	+	9.237E-25	3.653E-23	-0.31491	hypo	sig	chr9_129669304
chr12	1.3E+08	130339437	+	9.254E-25	3.6594E-23	0.34169	hyper	sig	chr12_130339437
chr3	1.71E+08	170585419	+	9.267E-25	3.6647E-23	0.328585	hyper	sig	chr3_170585419
chr4	72032079	72032079	+	9.289E-25	3.6732E-23	0.3597	hyper	sig	chr4_72032079
chr5	77638871	77638871	+	9.298E-25	3.6766E-23	0.289831	hyper	sig	chr5_77638871
chr6	33277739	33277739	+	9.311E-25	3.6812E-23	0.237065	hyper	sig	chr6_33277739
chr7	85186998	85186998	+	9.319E-25	3.6845E-23	0.305016	hyper	sig	chr7_85186998
chr16	51150232	51150232	+	9.321E-25	3.685E-23	0.316423	hyper	sig	chr16_51150232
chr1	2.35E+08	234969903	+	9.322E-25	3.6854E-23	0.315101	hyper	sig	chr1_234969903
chr9	1.37E+08	137079364	+	9.34E-25	3.6923E-23	0.37733	hyper	sig	chr9_137079364
chr11	69463781	69463781	+	9.347E-25	3.6949E-23	0.351532	hyper	sig	chr11_69463781
chr11	66267313	66267313	+	9.37E-25	3.7036E-23	0.262831	hyper	sig	chr11_66267313
chr8	1.16E+08	115648460	+	9.376E-25	3.7058E-23	0.362717	hyper	sig	chr8_115648460
chr18	52339921	52339921	+	9.382E-25	3.7079E-23	0.227447	hyper	sig	chr18_52339921
chr12	52148958	52148958	+	9.392E-25	3.7114E-23	-0.45303	hypo	sig	chr12_52148958
chr3	1.39E+08	138938654	+	9.394E-25	3.7119E-23	0.229123	hyper	sig	chr3_138938654
chr12	1.07E+08	106581377	+	9.397E-25	3.7132E-23	0.227592	hyper	sig	chr12_106581377
chr1	1.18E+08	117607621	+	9.414E-25	3.7196E-23	-0.28584	hypo	sig	chr1_117607621
chr22	44181183	44181183	+	9.426E-25	3.7241E-23	-0.28975	hypo	sig	chr22_44181183
chr4	1.84E+08	183802099	+	9.436E-25	3.7279E-23	-0.3087	hypo	sig	chr4_183802099
chr20	61544464	61544464	+	9.448E-25	3.7325E-23	-0.35138	hypo	sig	chr20_61544464
chr7	15685742	15685742	+	9.478E-25	3.7441E-23	0.21239	hyper	sig	chr7_15685742
chr12	53945869	53945869	+	9.488E-25	3.7477E-23	0.353542	hyper	sig	chr12_53945869
chr8	71556335	71556335	+	9.494E-25	3.7501E-23	0.309158	hyper	sig	chr8_71556335
chr20	9509107	9509107	+	9.496E-25	3.7508E-23	0.297333	hyper	sig	chr20_9509107
chr20	9514807	9514807	+	9.5E-25	3.7522E-23	0.249827	hyper	sig	chr20_9514807
chr2	2.39E+08	239240228	+	9.504E-25	3.7534E-23	0.306917	hyper	sig	chr2_239240228
chr11	32428573	32428573	+	9.537E-25	3.7665E-23	0.362641	hyper	sig	chr11_32428573
chr7	76305097	76305097	+	9.561E-25	3.7757E-23	0.295192	hyper	sig	chr7_76305097
chr3	1.61E+08	161104864	+	9.565E-25	3.7771E-23	0.228096	hyper	sig	chr3_161104864
chr9	1.33E+08	132586775	+	9.574E-25	3.7806E-23	0.297416	hyper	sig	chr9_132586775
chr7	747224	747224	+	9.581E-25	3.7828E-23	0.29471	hyper	sig	chr7_747224
chr6	27213891	27213891	+	9.591E-25	3.7866E-23	0.284284	hyper	sig	chr6_27213891
chr10	8052484	8052484	+	9.606E-25	3.7924E-23	0.27766	hyper	sig	chr10_8052484
chr6	1.17E+08	117481513	+	9.632E-25	3.8024E-23	-0.2588	hypo	sig	chr6_117481513
chr21	45295142	45295142	+	9.638E-25	3.8049E-23	0.340976	hyper	sig	chr21_45295142
chr11	1.24E+08	123573928	+	9.642E-25	3.806E-23	-0.2326	hypo	sig	chr11_123573928
chr1	24931126	24931126	+	9.655E-25	3.8106E-23	0.367941	hyper	sig	chr1_24931126
chr11	314098	314098	+	9.655E-25	3.8106E-23	-0.22869	hypo	sig	chr11_314098
chr10	1.16E+08	116273329	+	9.655E-25	3.8107E-23	0.26573	hyper	sig	chr10_116273329
chr20	45827809	45827809	+	9.676E-25	3.8188E-23	-0.26044	hypo	sig	chr20_45827809
chr8	98422976	98422976	+	9.678E-25	3.8193E-23	-0.30435	hypo	sig	chr8_98422976
chr6	1.66E+08	165989225	+	9.682E-25	3.8207E-23	0.277584	hyper	sig	chr6_165989225
chr7	1.51E+08	151082285	+	9.686E-25	3.8221E-23	-0.224	hypo	sig	chr7_151082285
chr7	27148389	27148389	+	9.701E-25	3.8276E-23	0.28689	hyper	sig	chr7_27148389
chr2	50847743	50847743	+	9.71E-25	3.8313E-23	-0.31285	hypo	sig	chr2_50847743
chr1	8027535	8027535	+	9.727E-25	3.8376E-23	-0.30574	hypo	sig	chr1_8027535
chr20	63064230	63064230	+	9.728E-25	3.8379E-23	-0.39312	hypo	sig	chr20_63064230
chr5	1.41E+08	141432082	+	9.735E-25	3.8404E-23	0.350466	hyper	sig	chr5_141432082

chr7	1.55E+08	155466251	+	9.738E-25	3.8413E-23	0.296225	hyper	sig	chr7_155466251
chr8	1.42E+08	141760561	+	9.751E-25	3.8462E-23	-0.38808	hypo	sig	chr8_141760561
chr11	69817388	69817388	+	9.756E-25	3.8481E-23	0.244756	hyper	sig	chr11_69817388
chr3	1.61E+08	161104737	+	9.756E-25	3.8481E-23	0.264736	hyper	sig	chr3_161104737
chr6	75205023	75205023	+	9.765E-25	3.8512E-23	0.237658	hyper	sig	chr6_75205023
chr8	1.16E+08	115648496	+	9.768E-25	3.8524E-23	0.340139	hyper	sig	chr8_115648496
chr19	5799348	5799348	+	9.778E-25	3.8562E-23	-0.32168	hypo	sig	chr19_5799348
chr16	55502076	55502076	+	9.781E-25	3.8572E-23	-0.31153	hypo	sig	chr16_55502076
chr19	5851633	5851633	+	9.782E-25	3.8572E-23	-0.3305	hypo	sig	chr19_5851633
chr6	1.69E+08	169224511	+	9.784E-25	3.8579E-23	-0.41952	hypo	sig	chr6_169224511
chr13	36297949	36297949	+	9.787E-25	3.859E-23	0.287581	hyper	sig	chr13_36297949
chr1	5859153	5859153	+	9.792E-25	3.8607E-23	0.291402	hyper	sig	chr1_5859153
chr12	4809764	4809764	+	9.822E-25	3.8722E-23	0.324744	hyper	sig	chr12_4809764
chr5	1.41E+08	141344276	+	9.822E-25	3.8722E-23	0.267807	hyper	sig	chr5_141344276
chr7	27103715	27103715	+	9.826E-25	3.8736E-23	0.29486	hyper	sig	chr7_27103715
chr13	95644970	95644970	+	9.833E-25	3.8761E-23	0.234081	hyper	sig	chr13_95644970
chr19	53255061	53255061	+	9.839E-25	3.8784E-23	0.267133	hyper	sig	chr19_53255061
chr6	1.37E+08	137494432	+	9.858E-25	3.8856E-23	0.268451	hyper	sig	chr6_137494432
chr12	1.31E+08	131217063	+	9.863E-25	3.8872E-23	0.297163	hyper	sig	chr12_131217063
chr3	75655957	75655957	+	9.895E-25	3.8996E-23	0.331623	hyper	sig	chr3_75655957
chr2	5692876	5692876	+	9.899E-25	3.9012E-23	0.353493	hyper	sig	chr2_5692876
chr13	1.02E+08	101916578	+	9.912E-25	3.9059E-23	0.3479	hyper	sig	chr13_101916578
chr20	44810897	44810897	+	9.921E-25	3.9095E-23	0.267715	hyper	sig	chr20_44810897
chr7	21540662	21540662	+	9.931E-25	3.913E-23	-0.25846	hypo	sig	chr7_21540662
chr5	11384576	11384576	+	9.933E-25	3.9138E-23	0.337327	hyper	sig	chr5_11384576
chr10	3415196	3415196	+	9.934E-25	3.914E-23	-0.30363	hypo	sig	chr10_3415196
chr8	96159073	96159073	+	9.936E-25	3.9144E-23	0.342505	hyper	sig	chr8_96159073
chr1	1.8E+08	179588747	+	9.963E-25	3.9252E-23	-0.36463	hypo	sig	chr1_179588747
chr7	97026266	97026266	+	9.968E-25	3.9269E-23	0.301868	hyper	sig	chr7_97026266
chr2	2.22E+08	222295113	+	9.977E-25	3.9301E-23	0.431517	hyper	sig	chr2_222295113
chr11	69819805	69819805	+	9.979E-25	3.9306E-23	0.334595	hyper	sig	chr11_69819805
chr6	88145184	88145184	+	9.979E-25	3.9306E-23	-0.31675	hypo	sig	chr6_88145184
chr2	2.39E+08	238967747	+	9.98E-25	3.9307E-23	-0.25411	hypo	sig	chr2_238967747
chr10	69571963	69571963	+	1.002E-24	3.9451E-23	0.373492	hyper	sig	chr10_69571963
chr1	2.31E+08	231163647	+	1.005E-24	3.9582E-23	0.311313	hyper	sig	chr1_231163647
chr11	1.23E+08	122980385	+	1.005E-24	3.9587E-23	0.258119	hyper	sig	chr11_122980385
chr2	1.18E+08	118310431	+	1.006E-24	3.9628E-23	0.218357	hyper	sig	chr2_118310431
chr10	1.32E+08	132487311	+	1.007E-24	3.9651E-23	-0.29932	hypo	sig	chr10_132487311
chr4	4858126	4858126	+	1.008E-24	3.9696E-23	0.397767	hyper	sig	chr4_4858126
chr11	69817382	69817382	+	1.009E-24	3.9723E-23	0.25108	hyper	sig	chr11_69817382
chr3	1.72E+08	172449240	+	1.009E-24	3.9723E-23	0.264475	hyper	sig	chr3_172449240
chr14	1.05E+08	104637363	+	1.01E-24	3.9749E-23	-0.40171	hypo	sig	chr14_104637363
chr5	45695179	45695179	+	1.01E-24	3.9751E-23	0.350315	hyper	sig	chr5_45695179
chr2	2.41E+08	241049854	+	1.011E-24	3.9815E-23	0.347016	hyper	sig	chr2_241049854
chr17	45261848	45261848	+	1.014E-24	3.9899E-23	0.386041	hyper	sig	chr17_45261848
chr2	2.41E+08	240646384	+	1.014E-24	3.9919E-23	-0.41047	hypo	sig	chr2_240646384
chr8	1.38E+08	138496856	+	1.017E-24	4.0012E-23	0.334396	hyper	sig	chr8_138496856
chr19	48746878	48746878	+	1.019E-24	4.0084E-23	0.324102	hyper	sig	chr19_48746878
chr7	781548	781548	+	1.019E-24	4.0104E-23	0.321985	hyper	sig	chr7_781548
chr5	83473211	83473211	+	1.02E-24	4.0136E-23	0.209925	hyper	sig	chr5_83473211
chr19	51034918	51034918	+	1.02E-24	4.0142E-23	-0.37232	hypo	sig	chr19_51034918
chr11	15562073	15562073	+	1.021E-24	4.0174E-23	-0.36894	hypo	sig	chr11_15562073
chr10	490347	490347	+	1.022E-24	4.0224E-23	0.325253	hyper	sig	chr10_490347
chr12	1.28E+08	128365922	+	1.024E-24	4.0284E-23	0.308389	hyper	sig	chr12_128365922
chr3	1.47E+08	147423136	+	1.025E-24	4.0317E-23	0.305186	hyper	sig	chr3_147423136
chr13	1.11E+08	111113992	+	1.026E-24	4.0368E-23	-0.22	hypo	sig	chr13_111113992

chr14	26205397	26205397	+	1.026E-24	4.0373E-23	0.307645	hyper	sig	chr14_26205397
chr7	1.46E+08	146115750	+	1.027E-24	4.0399E-23	0.374454	hyper	sig	chr7_146115750
chr6	1E+08	100463706	+	1.027E-24	4.041E-23	0.222651	hyper	sig	chr6_100463706
chr16	46731553	46731553	+	1.029E-24	4.0487E-23	-0.30281	hypo	sig	chr16_46731553
chr20	34546985	34546985	+	1.03E-24	4.05E-23	-0.33767	hypo	sig	chr20_34546985
chr7	97024386	97024386	+	1.03E-24	4.052E-23	0.292397	hyper	sig	chr7_97024386
chr8	41653508	41653508	+	1.03E-24	4.0525E-23	0.294318	hyper	sig	chr8_41653508
chr10	1.01E+08	100519879	+	1.032E-24	4.0592E-23	0.389657	hyper	sig	chr10_100519879
chr17	1032398	1032398	+	1.035E-24	4.069E-23	0.306083	hyper	sig	chr17_1032398
chr5	1.81E+08	181100481	+	1.035E-24	4.071E-23	0.247322	hyper	sig	chr5_181100481
chr19	817811	817811	+	1.035E-24	4.0714E-23	-0.27939	hypo	sig	chr19_817811
chr8	74985072	74985072	+	1.036E-24	4.0717E-23	0.299039	hyper	sig	chr8_74985072
chr5	1.41E+08	141403253	+	1.036E-24	4.0732E-23	0.314082	hyper	sig	chr5_141403253
chr8	1.4E+08	139664004	+	1.039E-24	4.0835E-23	-0.36067	hypo	sig	chr8_139664004
chr13	94706921	94706921	+	1.039E-24	4.0856E-23	0.302392	hyper	sig	chr13_94706921
chr13	25095979	25095979	+	1.039E-24	4.0858E-23	0.308268	hyper	sig	chr13_25095979
chr16	85575273	85575273	+	1.041E-24	4.0916E-23	0.342669	hyper	sig	chr16_85575273
chr11	8016952	8016952	+	1.041E-24	4.0924E-23	-0.3207	hypo	sig	chr11_8016952
chr2	74436343	74436343	+	1.041E-24	4.0935E-23	0.230246	hyper	sig	chr2_74436343
chr19	17407285	17407285	+	1.042E-24	4.096E-23	-0.28561	hypo	sig	chr19_17407285
chr20	63361127	63361127	+	1.047E-24	4.1161E-23	0.380435	hyper	sig	chr20_63361127
chr2	2.31E+08	230868728	+	1.048E-24	4.117E-23	0.367549	hyper	sig	chr2_230868728
chr7	1027737	1027737	+	1.049E-24	4.1205E-23	0.251902	hyper	sig	chr7_1027737
chr16	54932750	54932750	+	1.049E-24	4.1225E-23	0.398033	hyper	sig	chr16_54932750
chr7	50303683	50303683	+	1.05E-24	4.1252E-23	0.28185	hyper	sig	chr7_50303683
chr6	28091140	28091140	+	1.052E-24	4.1334E-23	0.291046	hyper	sig	chr6_28091140
chr1	10674611	10674611	+	1.053E-24	4.1376E-23	0.374269	hyper	sig	chr1_10674611
chr15	59994997	59994997	+	1.054E-24	4.14E-23	0.258573	hyper	sig	chr15_59994997
chr7	1.58E+08	158239680	+	1.055E-24	4.1443E-23	-0.31997	hypo	sig	chr7_158239680
chr2	55923284	55923284	+	1.056E-24	4.1495E-23	0.261516	hyper	sig	chr2_55923284
chr6	16337665	16337665	+	1.059E-24	4.1604E-23	0.326152	hyper	sig	chr6_16337665
chr10	77711343	77711343	+	1.06E-24	4.1623E-23	0.248421	hyper	sig	chr10_77711343
chr3	58440098	58440098	+	1.063E-24	4.1762E-23	-0.31023	hypo	sig	chr3_58440098
chr10	27746811	27746811	+	1.064E-24	4.1774E-23	0.275039	hyper	sig	chr10_27746811
chr22	36301009	36301009	+	1.064E-24	4.1799E-23	0.285864	hyper	sig	chr22_36301009
chr15	40769890	40769890	+	1.065E-24	4.1831E-23	-0.28142	hypo	sig	chr15_40769890
chr19	46654985	46654985	+	1.065E-24	4.1834E-23	0.325707	hyper	sig	chr19_46654985
chr12	1.07E+08	106585271	+	1.069E-24	4.1973E-23	0.283054	hyper	sig	chr12_106585271
chr21	44338267	44338267	+	1.071E-24	4.2044E-23	0.302662	hyper	sig	chr21_44338267
chr11	1.16E+08	115645982	+	1.072E-24	4.2071E-23	0.452628	hyper	sig	chr11_115645982
chr3	27723787	27723787	+	1.072E-24	4.2078E-23	0.338471	hyper	sig	chr3_27723787
chr1	3356168	3356168	+	1.072E-24	4.209E-23	-0.29728	hypo	sig	chr1_3356168
chr6	1.47E+08	146543142	+	1.073E-24	4.2121E-23	-0.26836	hypo	sig	chr6_146543142
chr17	81941468	81941468	+	1.074E-24	4.2156E-23	-0.3396	hypo	sig	chr17_81941468
chr3	1.61E+08	161104817	+	1.077E-24	4.2275E-23	0.226556	hyper	sig	chr3_161104817
chr6	1.33E+08	133241701	+	1.078E-24	4.2303E-23	0.583758	hyper	sig	chr6_133241701
chr6	30172190	30172190	+	1.078E-24	4.2327E-23	0.30487	hyper	sig	chr6_30172190
chr12	72272100	72272100	+	1.08E-24	4.2368E-23	0.208622	hyper	sig	chr12_72272100
chr1	6276624	6276624	+	1.08E-24	4.238E-23	0.379757	hyper	sig	chr1_6276624
chr5	54886	54886	+	1.08E-24	4.238E-23	-0.34028	hypo	sig	chr5_54886
chr2	8574326	8574326	+	1.08E-24	4.2393E-23	-0.3106	hypo	sig	chr2_8574326
chr16	86511129	86511129	+	1.081E-24	4.2412E-23	0.261685	hyper	sig	chr16_86511129
chr9	1.34E+08	133609625	+	1.081E-24	4.2424E-23	0.241843	hyper	sig	chr9_133609625
chr10	369627	369627	+	1.082E-24	4.2468E-23	0.342359	hyper	sig	chr10_369627
chr5	1.41E+08	141235202	+	1.085E-24	4.2554E-23	0.328135	hyper	sig	chr5_141235202
chr11	16611084	16611084	+	1.086E-24	4.2584E-23	0.321293	hyper	sig	chr11_16611084

chr3	1.65E+08	165195853	+	1.087E-24	4.263E-23	0.208444	hyper	sig	chr3_165195853
chr18	47248605	47248605	+	1.088E-24	4.2686E-23	0.311154	hyper	sig	chr18_47248605
chr6	32852424	32852424	+	1.089E-24	4.2695E-23	-0.30742	hypo	sig	chr6_32852424
chr17	38898459	38898459	+	1.09E-24	4.2738E-23	-0.32787	hypo	sig	chr17_38898459
chr20	21396328	21396328	+	1.09E-24	4.275E-23	0.261306	hyper	sig	chr20_21396328
chr5	55223236	55223236	+	1.091E-24	4.2777E-23	0.349833	hyper	sig	chr5_55223236
chr8	1.4E+08	139612146	+	1.092E-24	4.2825E-23	-0.41131	hypo	sig	chr8_139612146
chr12	54006507	54006507	+	1.093E-24	4.2868E-23	-0.24543	hypo	sig	chr12_54006507
chr4	1.33E+08	133147388	+	1.095E-24	4.292E-23	0.327296	hyper	sig	chr4_133147388
chr7	1520797	1520797	+	1.096E-24	4.2975E-23	-0.3373	hypo	sig	chr7_1520797
chr5	1.81E+08	181100594	+	1.097E-24	4.3011E-23	0.280472	hyper	sig	chr5_181100594
chr5	1.46E+08	146342606	+	1.1E-24	4.3121E-23	0.27156	hyper	sig	chr5_146342606
chr17	21397412	21397412	+	1.1E-24	4.3123E-23	0.377633	hyper	sig	chr17_21397412
chr11	45355461	45355461	+	1.101E-24	4.3146E-23	0.20609	hyper	sig	chr11_45355461
chr20	1001207	1001207	+	1.101E-24	4.3156E-23	-0.28087	hypo	sig	chr20_1001207
chr9	98944654	98944654	+	1.102E-24	4.3198E-23	0.341377	hyper	sig	chr9_98944654
chr16	88233827	88233827	+	1.103E-24	4.3225E-23	0.267576	hyper	sig	chr16_88233827
chr6	28447328	28447328	+	1.103E-24	4.3231E-23	0.319834	hyper	sig	chr6_28447328
chr4	4858119	4858119	+	1.104E-24	4.326E-23	0.393448	hyper	sig	chr4_4858119
chr9	1.34E+08	133702034	+	1.104E-24	4.3284E-23	-0.44336	hypo	sig	chr9_133702034
chr19	4569023	4569023	+	1.108E-24	4.3428E-23	-0.33739	hypo	sig	chr19_4569023
chr19	2607897	2607897	+	1.109E-24	4.3458E-23	-0.25828	hypo	sig	chr19_2607897
chr9	1.19E+08	119369267	+	1.11E-24	4.349E-23	0.38691	hyper	sig	chr9_119369267
chr17	75587843	75587843	+	1.11E-24	4.3511E-23	0.29982	hyper	sig	chr17_75587843
chr5	1.41E+08	141234428	+	1.113E-24	4.3623E-23	0.309641	hyper	sig	chr5_141234428
chr4	4858334	4858334	+	1.114E-24	4.3657E-23	0.313298	hyper	sig	chr4_4858334
chr20	21509553	21509553	+	1.116E-24	4.3733E-23	0.35627	hyper	sig	chr20_21509553
chr13	87674630	87674630	+	1.117E-24	4.3774E-23	0.300806	hyper	sig	chr13_87674630
chr4	84481312	84481312	+	1.117E-24	4.3774E-23	0.247601	hyper	sig	chr4_84481312
chr12	1.31E+08	130674992	+	1.119E-24	4.3812E-23	-0.28093	hypo	sig	chr12_130674992
chr16	566857	566857	+	1.119E-24	4.3812E-23	0.307487	hyper	sig	chr16_566857
chr17	8408472	8408472	+	1.119E-24	4.3826E-23	-0.2978	hypo	sig	chr17_8408472
chr16	10183413	10183413	+	1.12E-24	4.385E-23	0.219467	hyper	sig	chr16_10183413
chr12	53952007	53952007	+	1.12E-24	4.3858E-23	0.255751	hyper	sig	chr12_53952007
chr11	22343344	22343344	+	1.12E-24	4.3868E-23	0.245791	hyper	sig	chr11_22343344
chr5	1.5E+08	150189979	+	1.122E-24	4.3924E-23	0.333214	hyper	sig	chr5_150189979
chr11	67372064	67372064	+	1.124E-24	4.4001E-23	0.228993	hyper	sig	chr11_67372064
chr16	84827312	84827312	+	1.124E-24	4.4006E-23	0.305868	hyper	sig	chr16_84827312
chr10	1.33E+08	132832663	+	1.124E-24	4.4024E-23	0.348452	hyper	sig	chr10_132832663
chr2	63055847	63055847	+	1.125E-24	4.4049E-23	0.289065	hyper	sig	chr2_63055847
chr2	2.41E+08	240565794	+	1.126E-24	4.4071E-23	-0.27239	hypo	sig	chr2_240565794
chr3	1.51E+08	150519812	+	1.127E-24	4.4137E-23	-0.35143	hypo	sig	chr3_150519812
chr8	64578735	64578735	+	1.13E-24	4.4249E-23	0.321116	hyper	sig	chr8_64578735
chr5	1.41E+08	141365430	+	1.13E-24	4.4249E-23	0.299323	hyper	sig	chr5_141365430
chr10	1.28E+08	128047406	+	1.131E-24	4.4271E-23	-0.32856	hypo	sig	chr10_128047406
chr3	1.94E+08	194112629	+	1.131E-24	4.4284E-23	-0.30764	hypo	sig	chr3_194112629
chr16	49589971	49589971	+	1.132E-24	4.43E-23	-0.3507	hypo	sig	chr16_49589971
chr13	25469347	25469347	+	1.132E-24	4.4304E-23	0.352339	hyper	sig	chr13_25469347
chr20	61895001	61895001	+	1.133E-24	4.433E-23	-0.36795	hypo	sig	chr20_61895001
chr12	57236666	57236666	+	1.134E-24	4.4364E-23	0.319373	hyper	sig	chr12_57236666
chr2	31234742	31234742	+	1.134E-24	4.4364E-23	0.393948	hyper	sig	chr2_31234742
chr7	90597047	90597047	+	1.135E-24	4.4397E-23	0.291499	hyper	sig	chr7_90597047
chr14	28778399	28778399	+	1.136E-24	4.4443E-23	0.27539	hyper	sig	chr14_28778399
chr11	44309597	44309597	+	1.137E-24	4.449E-23	0.2878	hyper	sig	chr11_44309597
chr16	166720	166720	+	1.14E-24	4.4606E-23	0.285581	hyper	sig	chr16_166720
chr13	1.11E+08	111402583	+	1.144E-24	4.476E-23	-0.28574	hypo	sig	chr13_111402583

chr10	86367458	86367458	+	1.145E-24	4.4798E-23	0.228869	hyper	sig	chr10_86367458
chr7	2512362	2512362	+	1.146E-24	4.4815E-23	-0.24729	hypo	sig	chr7_2512362
chr9	3181042	3181042	+	1.146E-24	4.4816E-23	0.276385	hyper	sig	chr9_3181042
chr19	53467448	53467448	+	1.146E-24	4.4831E-23	0.206136	hyper	sig	chr19_53467448
chr6	1594052	1594052	+	1.147E-24	4.4855E-23	-0.37062	hypo	sig	chr6_1594052
chr20	38674340	38674340	+	1.148E-24	4.4904E-23	0.359188	hyper	sig	chr20_38674340
chr12	1.32E+08	132329055	+	1.15E-24	4.4965E-23	0.349705	hyper	sig	chr12_132329055
chr7	4886199	4886199	+	1.15E-24	4.4974E-23	-0.4264	hypo	sig	chr7_4886199
chr5	1931466	1931466	+	1.153E-24	4.5103E-23	0.291096	hyper	sig	chr5_1931466
chr7	1.59E+08	159110003	+	1.154E-24	4.5116E-23	-0.3408	hypo	sig	chr7_159110003
chr2	85134855	85134855	+	1.155E-24	4.5141E-23	0.313898	hyper	sig	chr2_85134855
chr8	1.2E+08	119673338	+	1.156E-24	4.5203E-23	0.292269	hyper	sig	chr8_119673338
chr8	52941044	52941044	+	1.157E-24	4.5221E-23	0.260735	hyper	sig	chr8_52941044
chr20	21106122	21106122	+	1.157E-24	4.5229E-23	0.373124	hyper	sig	chr20_21106122
chr20	4815218	4815218	+	1.159E-24	4.5308E-23	-0.34352	hypo	sig	chr20_4815218
chr2	1.45E+08	144517360	+	1.159E-24	4.531E-23	0.240403	hyper	sig	chr2_144517360
chr3	1.43E+08	142964334	+	1.16E-24	4.5343E-23	0.466063	hyper	sig	chr3_142964334
chr6	1.27E+08	126643719	+	1.16E-24	4.5358E-23	-0.26141	hypo	sig	chr6_126643719
chr6	1.1E+08	110358629	+	1.161E-24	4.5382E-23	0.294308	hyper	sig	chr6_110358629
chr6	42925267	42925267	+	1.163E-24	4.5461E-23	0.390254	hyper	sig	chr6_42925267
chr10	1.01E+08	101228564	+	1.164E-24	4.5502E-23	0.310047	hyper	sig	chr10_101228564
chr21	26966943	26966943	+	1.165E-24	4.5525E-23	0.355249	hyper	sig	chr21_26966943
chr17	82795328	82795328	+	1.166E-24	4.5558E-23	0.294183	hyper	sig	chr17_82795328
chr6	1.67E+08	166870848	+	1.168E-24	4.563E-23	-0.35679	hypo	sig	chr6_166870848
chr5	43034081	43034081	+	1.169E-24	4.5689E-23	0.319456	hyper	sig	chr5_43034081
chr15	34495834	34495834	+	1.17E-24	4.5733E-23	0.296974	hyper	sig	chr15_34495834
chr12	1.33E+08	132908202	+	1.171E-24	4.5749E-23	0.24106	hyper	sig	chr12_132908202
chr8	1.41E+08	141388289	+	1.173E-24	4.584E-23	-0.35053	hypo	sig	chr8_141388289
chr7	1.58E+08	157675784	+	1.175E-24	4.5913E-23	-0.35008	hypo	sig	chr7_157675784
chr9	1.18E+08	117744969	+	1.176E-24	4.5918E-23	0.253303	hyper	sig	chr9_117744969
chr11	40293815	40293815	+	1.177E-24	4.5964E-23	0.285795	hyper	sig	chr11_40293815
chr16	56190843	56190843	+	1.178E-24	4.602E-23	0.265058	hyper	sig	chr16_56190843
chr10	7411493	7411493	+	1.179E-24	4.6041E-23	0.252077	hyper	sig	chr10_7411493
chr8	53877132	53877132	+	1.18E-24	4.6074E-23	0.354498	hyper	sig	chr8_53877132
chr1	2073903	2073903	+	1.18E-24	4.61E-23	0.3765	hyper	sig	chr1_2073903
chr2	74206371	74206371	+	1.181E-24	4.6129E-23	-0.24675	hypo	sig	chr2_74206371
chr15	99019778	99019778	+	1.181E-24	4.613E-23	-0.35316	hypo	sig	chr15_99019778
chr12	52233469	52233469	+	1.183E-24	4.6178E-23	0.415872	hyper	sig	chr12_52233469
chr12	3493031	3493031	+	1.183E-24	4.6183E-23	0.376891	hyper	sig	chr12_3493031
chr11	1.33E+08	133065639	+	1.184E-24	4.6216E-23	-0.40651	hypo	sig	chr11_133065639
chr1	1.81E+08	181483623	+	1.186E-24	4.6291E-23	0.275122	hyper	sig	chr1_181483623
chr5	1002963	1002963	+	1.189E-24	4.6424E-23	-0.34208	hypo	sig	chr5_1002963
chr8	39978427	39978427	+	1.189E-24	4.6433E-23	0.326976	hyper	sig	chr8_39978427
chr6	18122998	18122998	+	1.193E-24	4.6572E-23	-0.26573	hypo	sig	chr6_18122998
chr8	60908869	60908869	+	1.193E-24	4.6582E-23	-0.21146	hypo	sig	chr8_60908869
chr7	5304113	5304113	+	1.194E-24	4.6587E-23	-0.33066	hypo	sig	chr7_5304113
chr4	54231888	54231888	+	1.195E-24	4.664E-23	0.363641	hyper	sig	chr4_54231888
chr13	99972059	99972059	+	1.196E-24	4.6687E-23	0.35141	hyper	sig	chr13_99972059
chr1	24931133	24931133	+	1.197E-24	4.6698E-23	0.38463	hyper	sig	chr1_24931133
chr16	81693427	81693427	+	1.201E-24	4.6851E-23	0.307116	hyper	sig	chr16_81693427
chr13	27795389	27795389	+	1.201E-24	4.6877E-23	0.324366	hyper	sig	chr13_27795389
chr16	67884919	67884919	+	1.201E-24	4.688E-23	0.363372	hyper	sig	chr16_67884919
chr17	50834910	50834910	+	1.203E-24	4.6928E-23	0.288252	hyper	sig	chr17_50834910
chr1	3356176	3356176	+	1.203E-24	4.6939E-23	-0.29018	hypo	sig	chr1_3356176
chr17	74235174	74235174	+	1.203E-24	4.6948E-23	-0.29081	hypo	sig	chr17_74235174
chr7	922977	922977	+	1.204E-24	4.6964E-23	-0.28753	hypo	sig	chr7_922977

chr2	63806663	63806663	+	1.206E-24	4.7036E-23	-0.44287	hypo	sig	chr2_63806663
chr19	52453404	52453404	+	1.208E-24	4.7108E-23	0.363824	hyper	sig	chr19_52453404
chr13	1.14E+08	114151724	+	1.209E-24	4.7149E-23	-0.25529	hypo	sig	chr13_114151724
chr15	89408641	89408641	+	1.209E-24	4.7154E-23	0.286157	hyper	sig	chr15_89408641
chr2	2.22E+08	222297080	+	1.209E-24	4.7154E-23	0.25409	hyper	sig	chr2_222297080
chr12	1.07E+08	106585512	+	1.211E-24	4.7222E-23	0.353811	hyper	sig	chr12_106585512
chr9	1.26E+08	126482502	+	1.211E-24	4.7228E-23	0.373687	hyper	sig	chr9_126482502
chr11	27723064	27723064	+	1.213E-24	4.7292E-23	0.220001	hyper	sig	chr11_27723064
chr5	1.29E+08	128536544	+	1.214E-24	4.7327E-23	0.276268	hyper	sig	chr5_128536544
chr1	1.47E+08	147078871	+	1.214E-24	4.7333E-23	0.375275	hyper	sig	chr1_147078871
chr7	1.58E+08	157591808	+	1.215E-24	4.7373E-23	-0.40286	hypo	sig	chr7_157591808
chr1	1.19E+08	118980277	+	1.217E-24	4.744E-23	0.406974	hyper	sig	chr1_118980277
chr3	49719018	49719018	+	1.217E-24	4.7456E-23	0.24259	hyper	sig	chr3_49719018
chr3	1.8E+08	180037474	+	1.218E-24	4.7492E-23	0.413552	hyper	sig	chr3_180037474
chr9	98943510	98943510	+	1.219E-24	4.751E-23	0.395095	hyper	sig	chr9_98943510
chr1	2.21E+08	220882182	+	1.219E-24	4.7524E-23	0.378418	hyper	sig	chr1_220882182
chr20	10218888	10218888	+	1.219E-24	4.7528E-23	0.350129	hyper	sig	chr20_10218888
chr8	55939667	55939667	+	1.22E-24	4.7537E-23	0.278116	hyper	sig	chr8_55939667
chr3	1.38E+08	137764891	+	1.221E-24	4.7583E-23	0.225148	hyper	sig	chr3_137764891
chr16	85622549	85622549	+	1.221E-24	4.7597E-23	-0.25657	hypo	sig	chr16_85622549
chr5	77851199	77851199	+	1.222E-24	4.762E-23	0.380912	hyper	sig	chr5_77851199
chr1	15214827	15214827	+	1.224E-24	4.7695E-23	0.297622	hyper	sig	chr1_15214827
chr13	98571082	98571082	+	1.226E-24	4.7784E-23	-0.29861	hypo	sig	chr13_98571082
chr8	76683136	76683136	+	1.227E-24	4.7799E-23	0.335731	hyper	sig	chr8_76683136
chr4	1.55E+08	155204945	+	1.228E-24	4.7835E-23	-0.35147	hypo	sig	chr4_155204945
chr1	34165251	34165251	+	1.228E-24	4.7843E-23	0.263085	hyper	sig	chr1_34165251
chr5	45696375	45696375	+	1.23E-24	4.7912E-23	0.309139	hyper	sig	chr5_45696375
chr1	2.1E+08	210295305	+	1.231E-24	4.7969E-23	0.306787	hyper	sig	chr1_210295305
chr6	29553928	29553928	+	1.232E-24	4.7978E-23	0.332955	hyper	sig	chr6_29553928
chr7	1.55E+08	155070838	+	1.233E-24	4.8014E-23	0.306781	hyper	sig	chr7_155070838
chr3	1.49E+08	149377525	+	1.235E-24	4.811E-23	-0.33045	hypo	sig	chr3_149377525
chr5	601117	601117	+	1.236E-24	4.8146E-23	-0.33295	hypo	sig	chr5_601117
chr17	82243411	82243411	+	1.237E-24	4.819E-23	0.29198	hyper	sig	chr17_82243411
chr6	28447003	28447003	+	1.238E-24	4.8202E-23	0.286781	hyper	sig	chr6_28447003
chr16	1169465	1169465	+	1.242E-24	4.8353E-23	0.353017	hyper	sig	chr16_1169465
chr12	53999661	53999661	+	1.243E-24	4.8387E-23	0.270686	hyper	sig	chr12_53999661
chr11	1.19E+08	119314841	+	1.243E-24	4.8409E-23	0.253409	hyper	sig	chr11_119314841
chr1	1.45E+08	144551291	+	1.244E-24	4.8423E-23	0.257998	hyper	sig	chr1_144551291
chr7	1.01E+08	100874608	+	1.247E-24	4.8541E-23	0.322902	hyper	sig	chr7_100874608
chr16	30821236	30821236	+	1.247E-24	4.8544E-23	-0.36634	hypo	sig	chr16_30821236
chr10	99528082	99528082	+	1.247E-24	4.8544E-23	0.294515	hyper	sig	chr10_99528082
chr15	89409653	89409653	+	1.248E-24	4.8589E-23	0.350902	hyper	sig	chr15_89409653
chr4	78056127	78056127	+	1.248E-24	4.8589E-23	0.344577	hyper	sig	chr4_78056127
chr20	63006189	63006189	+	1.251E-24	4.8708E-23	0.231936	hyper	sig	chr20_63006189
chr7	8443634	8443634	+	1.252E-24	4.8735E-23	0.357202	hyper	sig	chr7_8443634
chr10	1.26E+08	125574192	+	1.252E-24	4.8751E-23	-0.28119	hypo	sig	chr10_125574192
chr21	36710817	36710817	+	1.253E-24	4.8765E-23	0.316785	hyper	sig	chr21_36710817
chr7	27103094	27103094	+	1.254E-24	4.8794E-23	0.30525	hyper	sig	chr7_27103094
chr1	17606110	17606110	+	1.255E-24	4.8857E-23	0.376001	hyper	sig	chr1_17606110
chr16	51151114	51151114	+	1.256E-24	4.8885E-23	0.47824	hyper	sig	chr16_51151114
chr2	10054625	10054625	+	1.257E-24	4.8924E-23	0.240246	hyper	sig	chr2_10054625
chr8	10733115	10733115	+	1.258E-24	4.8939E-23	0.282087	hyper	sig	chr8_10733115
chr2	2.19E+08	218992167	+	1.258E-24	4.8947E-23	0.271222	hyper	sig	chr2_218992167
chr16	55656466	55656466	+	1.259E-24	4.8981E-23	0.295052	hyper	sig	chr16_55656466
chr16	31820109	31820109	+	1.26E-24	4.9031E-23	0.314985	hyper	sig	chr16_31820109
chr7	1.43E+08	142864214	+	1.26E-24	4.9031E-23	-0.35011	hypo	sig	chr7_142864214

chr10	79240131	79240131	+	1.262E-24	4.9106E-23	0.275192	hyper	sig	chr10_79240131
chr7	4739642	4739642	+	1.264E-24	4.9157E-23	0.344514	hyper	sig	chr7_4739642
chr7	1753573	1753573	+	1.266E-24	4.9253E-23	-0.26859	hypo	sig	chr7_1753573
chr3	196617	196617	+	1.267E-24	4.9288E-23	0.349675	hyper	sig	chr3_196617
chr8	55939629	55939629	+	1.269E-24	4.9357E-23	0.29451	hyper	sig	chr8_55939629
chr9	971753	971753	+	1.27E-24	4.9412E-23	0.354591	hyper	sig	chr9_971753
chr2	3470391	3470391	+	1.275E-24	4.9604E-23	0.291795	hyper	sig	chr2_3470391
chr9	34809604	34809604	+	1.276E-24	4.9607E-23	0.305431	hyper	sig	chr9_34809604
chr3	1.71E+08	170585432	+	1.276E-24	4.9622E-23	0.340008	hyper	sig	chr3_170585432
chr19	56507726	56507726	+	1.277E-24	4.9643E-23	0.358971	hyper	sig	chr19_56507726
chr8	1.42E+08	142173106	+	1.277E-24	4.9647E-23	-0.30244	hypo	sig	chr8_142173106
chr19	13013389	13013389	+	1.277E-24	4.9652E-23	-0.2773	hypo	sig	chr19_13013389
chr19	49142976	49142976	+	1.277E-24	4.9652E-23	0.231031	hyper	sig	chr19_49142976
chr5	1394488	1394488	+	1.277E-24	4.9652E-23	0.312831	hyper	sig	chr5_1394488
chr4	1.22E+08	121765512	+	1.277E-24	4.9654E-23	0.289658	hyper	sig	chr4_121765512
chr1	94819725	94819725	+	1.281E-24	4.979E-23	-0.27714	hypo	sig	chr1_94819725
chr12	43572010	43572010	+	1.282E-24	4.9842E-23	0.333993	hyper	sig	chr12_43572010
chr20	62476321	62476321	+	1.285E-24	4.9947E-23	0.334596	hyper	sig	chr20_62476321
chr21	20997562	20997562	+	1.285E-24	4.9955E-23	0.339994	hyper	sig	chr21_20997562
chr10	1.23E+08	123143378	+	1.286E-24	4.9971E-23	0.378793	hyper	sig	chr10_123143378
chr1	2.21E+08	220895093	+	1.286E-24	4.9981E-23	0.327063	hyper	sig	chr1_220895093
chr1	34163516	34163516	+	1.286E-24	4.9992E-23	0.277536	hyper	sig	chr1_34163516
chr16	57797912	57797912	+	1.288E-24	5.0039E-23	-0.33347	hypo	sig	chr16_57797912
chr6	30171815	30171815	+	1.288E-24	5.0039E-23	0.309017	hyper	sig	chr6_30171815
chr8	84183099	84183099	+	1.29E-24	5.012E-23	0.395728	hyper	sig	chr8_84183099
chr1	1.54E+08	153538420	+	1.291E-24	5.0165E-23	-0.28248	hypo	sig	chr1_153538420
chr7	99393859	99393859	+	1.295E-24	5.0319E-23	0.37503	hyper	sig	chr7_99393859
chr2	12718462	12718462	+	1.297E-24	5.0382E-23	0.216627	hyper	sig	chr2_12718462
chr18	13870617	13870617	+	1.297E-24	5.0396E-23	-0.31943	hypo	sig	chr18_13870617
chr1	19401063	19401063	+	1.298E-24	5.0425E-23	0.240811	hyper	sig	chr1_19401063
chr4	92305448	92305448	+	1.299E-24	5.0444E-23	0.263859	hyper	sig	chr4_92305448
chr10	1.28E+08	128047637	+	1.3E-24	5.0502E-23	-0.25665	hypo	sig	chr10_128047637
chr10	49768538	49768538	+	1.303E-24	5.0595E-23	0.351595	hyper	sig	chr10_49768538
chr8	41287055	41287055	+	1.303E-24	5.0601E-23	-0.34331	hypo	sig	chr8_41287055
chr6	1E+08	100467836	+	1.303E-24	5.0616E-23	0.390042	hyper	sig	chr6_100467836
chr17	259708	259708	+	1.304E-24	5.0631E-23	0.258175	hyper	sig	chr17_259708
chr14	1.07E+08	106844423	+	1.304E-24	5.0644E-23	-0.28211	hypo	sig	chr14_106844423
chr19	16081940	16081940	+	1.306E-24	5.0708E-23	0.358037	hyper	sig	chr19_16081940
chr9	34457430	34457430	+	1.309E-24	5.0826E-23	0.35722	hyper	sig	chr9_34457430
chr7	1.22E+08	122310452	+	1.314E-24	5.1014E-23	0.202188	hyper	sig	chr7_122310452
chr1	1.19E+08	118983719	+	1.315E-24	5.107E-23	0.339142	hyper	sig	chr1_118983719
chr3	1.33E+08	133410338	+	1.316E-24	5.1076E-23	-0.35947	hypo	sig	chr3_133410338
chr12	53938108	53938108	+	1.316E-24	5.108E-23	0.326553	hyper	sig	chr12_53938108
chr17	76000342	76000342	+	1.316E-24	5.1085E-23	0.275068	hyper	sig	chr17_76000342
chr8	23573520	23573520	+	1.316E-24	5.1102E-23	0.323116	hyper	sig	chr8_23573520
chr19	18434309	18434309	+	1.317E-24	5.1117E-23	0.301658	hyper	sig	chr19_18434309
chr1	25872230	25872230	+	1.318E-24	5.1145E-23	0.289318	hyper	sig	chr1_25872230
chr13	1.12E+08	111640185	+	1.318E-24	5.1157E-23	-0.32672	hypo	sig	chr13_111640185
chr5	1.16E+08	115551533	+	1.319E-24	5.1203E-23	-0.29233	hypo	sig	chr5_115551533
chr20	37519681	37519681	+	1.32E-24	5.1233E-23	0.363747	hyper	sig	chr20_37519681
chr7	195478	195478	+	1.321E-24	5.1257E-23	0.264508	hyper	sig	chr7_195478
chr2	1.75E+08	174730195	+	1.322E-24	5.1281E-23	0.266174	hyper	sig	chr2_174730195
chr14	64540796	64540796	+	1.325E-24	5.1425E-23	0.242085	hyper	sig	chr14_64540796
chr4	3872241	3872241	+	1.326E-24	5.1431E-23	0.247056	hyper	sig	chr4_3872241
chr10	70442459	70442459	+	1.326E-24	5.1459E-23	-0.3153	hypo	sig	chr10_70442459
chr11	45355329	45355329	+	1.329E-24	5.1568E-23	0.307824	hyper	sig	chr11_45355329

chr13	1.02E+08	101917567	+	1.33E-24	5.1592E-23	0.252902	hyper	sig	chr13_101917567
chr5	44388881	44388881	+	1.331E-24	5.1647E-23	0.319934	hyper	sig	chr5_44388881
chr7	1235902	1235902	+	1.331E-24	5.1649E-23	0.414785	hyper	sig	chr7_1235902
chr4	1.74E+08	173527618	+	1.333E-24	5.169E-23	0.299873	hyper	sig	chr4_173527618
chr1	85582031	85582031	+	1.333E-24	5.172E-23	0.274974	hyper	sig	chr1_85582031
chr17	81941573	81941573	+	1.334E-24	5.1752E-23	-0.31018	hypo	sig	chr17_81941573
chr7	1.55E+08	155465664	+	1.338E-24	5.1892E-23	0.325946	hyper	sig	chr7_155465664
chr9	1.36E+08	136107418	+	1.338E-24	5.1899E-23	-0.27792	hypo	sig	chr9_136107418
chr6	50849629	50849629	+	1.342E-24	5.2034E-23	0.283572	hyper	sig	chr6_50849629
chr7	2734748	2734748	+	1.342E-24	5.2035E-23	0.345327	hyper	sig	chr7_2734748
chr20	21102255	21102255	+	1.345E-24	5.2145E-23	0.319251	hyper	sig	chr20_21102255
chr17	35374334	35374334	+	1.346E-24	5.2185E-23	0.235621	hyper	sig	chr17_35374334
chr7	1.57E+08	157020390	+	1.347E-24	5.2223E-23	0.354572	hyper	sig	chr7_157020390
chr8	79611138	79611138	+	1.352E-24	5.2416E-23	0.30216	hyper	sig	chr8_79611138
chr7	1.5E+08	150047447	+	1.353E-24	5.2439E-23	0.34184	hyper	sig	chr7_150047447
chr5	38557479	38557479	+	1.355E-24	5.2529E-23	0.251966	hyper	sig	chr5_38557479
chr20	60087904	60087904	+	1.355E-24	5.2544E-23	0.316211	hyper	sig	chr20_60087904
chr5	1885402	1885402	+	1.356E-24	5.2566E-23	0.241791	hyper	sig	chr5_1885402
chr12	4909341	4909341	+	1.357E-24	5.2615E-23	0.322336	hyper	sig	chr12_4909341
chr1	2.08E+08	207645546	+	1.358E-24	5.2629E-23	0.332713	hyper	sig	chr1_207645546
chr1	14945742	14945742	+	1.36E-24	5.2711E-23	0.244466	hyper	sig	chr1_14945742
chr3	46576837	46576837	+	1.363E-24	5.2827E-23	0.323141	hyper	sig	chr3_46576837
chr6	25023990	25023990	+	1.363E-24	5.2828E-23	-0.22719	hypo	sig	chr6_25023990
chr2	1653711	1653711	+	1.364E-24	5.2863E-23	0.322479	hyper	sig	chr2_1653711
chr13	20192160	20192160	+	1.365E-24	5.2899E-23	-0.24584	hypo	sig	chr13_20192160
chr9	971518	971518	+	1.365E-24	5.2899E-23	0.377872	hyper	sig	chr9_971518
chr14	77026445	77026445	+	1.367E-24	5.2955E-23	0.291294	hyper	sig	chr14_77026445
chr9	91421179	91421179	+	1.368E-24	5.3002E-23	0.251349	hyper	sig	chr9_91421179
chr16	57803032	57803032	+	1.37E-24	5.306E-23	0.391664	hyper	sig	chr16_57803032
chr3	62374065	62374065	+	1.37E-24	5.306E-23	0.301285	hyper	sig	chr3_62374065
chr3	1.32E+08	131527253	+	1.37E-24	5.3067E-23	0.30256	hyper	sig	chr3_131527253
chr6	72623117	72623117	+	1.371E-24	5.31E-23	0.334716	hyper	sig	chr6_72623117
chr13	1.13E+08	112932178	+	1.372E-24	5.3129E-23	-0.26379	hypo	sig	chr13_112932178
chr14	1.04E+08	103523374	+	1.372E-24	5.3129E-23	0.309302	hyper	sig	chr14_103523374
chr22	31661079	31661079	+	1.372E-24	5.3142E-23	-0.27728	hypo	sig	chr22_31661079
chr11	32433366	32433366	+	1.375E-24	5.3267E-23	0.299095	hyper	sig	chr11_32433366
chr10	8046887	8046887	+	1.377E-24	5.3317E-23	0.248061	hyper	sig	chr10_8046887
chr13	27792417	27792417	+	1.378E-24	5.3354E-23	0.221011	hyper	sig	chr13_27792417
chr1	54548306	54548306	+	1.379E-24	5.3391E-23	0.374386	hyper	sig	chr1_54548306
chr19	53255059	53255059	+	1.38E-24	5.3434E-23	0.274607	hyper	sig	chr19_53255059
chr12	57236476	57236476	+	1.38E-24	5.3441E-23	0.390739	hyper	sig	chr12_57236476
chr11	3218695	3218695	+	1.38E-24	5.3449E-23	-0.3235	hypo	sig	chr11_3218695
chr1	1.14E+08	114154388	+	1.381E-24	5.3466E-23	0.234017	hyper	sig	chr1_114154388
chr5	41509793	41509793	+	1.383E-24	5.3523E-23	0.303104	hyper	sig	chr5_41509793
chr2	47573254	47573254	+	1.384E-24	5.3563E-23	-0.3163	hypo	sig	chr2_47573254
chr7	97731932	97731932	+	1.384E-24	5.3584E-23	0.284751	hyper	sig	chr7_97731932
chr1	17419844	17419844	+	1.385E-24	5.3605E-23	0.283694	hyper	sig	chr1_17419844
chr5	2749659	2749659	+	1.386E-24	5.3662E-23	0.363193	hyper	sig	chr5_2749659
chr5	12795266	12795266	+	1.387E-24	5.3667E-23	-0.31472	hypo	sig	chr5_12795266
chr2	64607136	64607136	+	1.388E-24	5.3712E-23	-0.28943	hypo	sig	chr2_64607136
chr20	60087888	60087888	+	1.392E-24	5.389E-23	0.28077	hyper	sig	chr20_60087888
chr15	52789063	52789063	+	1.393E-24	5.3917E-23	0.365878	hyper	sig	chr15_52789063
chr15	96366587	96366587	+	1.395E-24	5.3995E-23	0.338328	hyper	sig	chr15_96366587
chr5	1931430	1931430	+	1.398E-24	5.4079E-23	0.245779	hyper	sig	chr5_1931430
chr1	77282734	77282734	+	1.403E-24	5.4293E-23	0.219783	hyper	sig	chr1_77282734
chr7	94012139	94012139	+	1.405E-24	5.4372E-23	-0.43065	hypo	sig	chr7_94012139

chr14	36655143	36655143	+	1.406E-24	5.4416E-23	0.279907	hyper	sig	chr14_36655143
chr1	2.14E+08	213996771	+	1.407E-24	5.4442E-23	0.261765	hyper	sig	chr1_213996771
chr13	1.1E+08	110248277	+	1.408E-24	5.4488E-23	0.321074	hyper	sig	chr13_110248277
chr15	63039721	63039721	+	1.409E-24	5.4501E-23	-0.28396	hypo	sig	chr15_63039721
chr4	41867544	41867544	+	1.41E-24	5.4547E-23	0.270828	hyper	sig	chr4_41867544
chr4	95548500	95548500	+	1.41E-24	5.4558E-23	0.223834	hyper	sig	chr4_95548500
chr7	1.57E+08	157499293	+	1.412E-24	5.4627E-23	-0.2944	hypo	sig	chr7_157499293
chr22	31102877	31102877	+	1.415E-24	5.4714E-23	0.287527	hyper	sig	chr22_31102877
chr11	69048241	69048241	+	1.416E-24	5.4749E-23	-0.29106	hypo	sig	chr11_69048241
chr1	78491154	78491154	+	1.416E-24	5.4758E-23	0.330652	hyper	sig	chr1_78491154
chr20	62476367	62476367	+	1.418E-24	5.4826E-23	0.337564	hyper	sig	chr20_62476367
chr12	54000296	54000296	+	1.418E-24	5.484E-23	0.289835	hyper	sig	chr12_54000296
chr1	2.13E+08	212791046	+	1.421E-24	5.4952E-23	-0.36419	hypo	sig	chr1_212791046
chr1	2.28E+08	228212545	+	1.422E-24	5.4967E-23	0.416609	hyper	sig	chr1_228212545
chr3	1.8E+08	180036760	+	1.422E-24	5.4976E-23	0.283385	hyper	sig	chr3_180036760
chr15	65409527	65409527	+	1.423E-24	5.4995E-23	-0.31155	hypo	sig	chr15_65409527
chr10	43667382	43667382	+	1.423E-24	5.5025E-23	0.242656	hyper	sig	chr10_43667382
chr6	1.66E+08	166009191	+	1.425E-24	5.5075E-23	0.256544	hyper	sig	chr6_166009191
chr10	1.01E+08	100830617	+	1.426E-24	5.5104E-23	0.285173	hyper	sig	chr10_100830617
chr14	95047622	95047622	+	1.426E-24	5.5132E-23	0.366192	hyper	sig	chr14_95047622
chr2	5697221	5697221	+	1.427E-24	5.5139E-23	0.322447	hyper	sig	chr2_5697221
chr13	1.12E+08	112183194	+	1.428E-24	5.5207E-23	-0.30819	hypo	sig	chr13_112183194
chr5	31855071	31855071	+	1.429E-24	5.5231E-23	0.246422	hyper	sig	chr5_31855071
chr3	1.38E+08	138114737	+	1.431E-24	5.531E-23	0.336309	hyper	sig	chr3_138114737
chr3	68932761	68932761	+	1.431E-24	5.5311E-23	0.304598	hyper	sig	chr3_68932761
chr1	85279370	85279370	+	1.432E-24	5.5335E-23	-0.33061	hypo	sig	chr1_85279370
chr19	49436753	49436753	+	1.433E-24	5.5354E-23	0.330367	hyper	sig	chr19_49436753
chr11	20208762	20208762	+	1.433E-24	5.5365E-23	0.282111	hyper	sig	chr11_20208762
chr20	61897046	61897046	+	1.433E-24	5.537E-23	-0.35364	hypo	sig	chr20_61897046
chr19	310540	310540	+	1.434E-24	5.5383E-23	0.325625	hyper	sig	chr19_310540
chr7	28408484	28408484	+	1.435E-24	5.5422E-23	0.401014	hyper	sig	chr7_28408484
chr3	1.54E+08	154428012	+	1.435E-24	5.5433E-23	0.329059	hyper	sig	chr3_154428012
chr5	33297915	33297915	+	1.436E-24	5.5454E-23	-0.29031	hypo	sig	chr5_33297915
chr8	60908900	60908900	+	1.436E-24	5.5462E-23	-0.22865	hypo	sig	chr8_60908900
chr6	98847866	98847866	+	1.437E-24	5.5505E-23	0.282219	hyper	sig	chr6_98847866
chr22	38682936	38682936	+	1.437E-24	5.5513E-23	-0.25307	hypo	sig	chr22_38682936
chr6	33080706	33080706	+	1.438E-24	5.555E-23	0.451436	hyper	sig	chr6_33080706
chr8	1.18E+08	118074500	+	1.44E-24	5.5622E-23	0.314171	hyper	sig	chr8_118074500
chr5	1.79E+08	178515469	+	1.446E-24	5.5836E-23	-0.30592	hypo	sig	chr5_178515469
chr11	20160489	20160489	+	1.448E-24	5.5919E-23	0.264904	hyper	sig	chr11_20160489
chr6	30172357	30172357	+	1.448E-24	5.5922E-23	0.338131	hyper	sig	chr6_30172357
chr8	55005835	55005835	+	1.451E-24	5.6016E-23	-0.40046	hypo	sig	chr8_55005835
chr2	3606944	3606944	+	1.454E-24	5.6153E-23	0.297424	hyper	sig	chr2_3606944
chr4	52076995	52076995	+	1.455E-24	5.6175E-23	0.351877	hyper	sig	chr4_52076995
chr2	20670465	20670465	+	1.456E-24	5.619E-23	0.307752	hyper	sig	chr2_20670465
chr13	1.13E+08	112910888	+	1.456E-24	5.6215E-23	0.285727	hyper	sig	chr13_112910888
chr1	1.19E+08	118984478	+	1.457E-24	5.6253E-23	0.242021	hyper	sig	chr1_118984478
chr19	10294407	10294407	+	1.462E-24	5.6431E-23	0.256865	hyper	sig	chr19_10294407
chr20	21105403	21105403	+	1.463E-24	5.6453E-23	0.281691	hyper	sig	chr20_21105403
chr6	42727292	42727292	+	1.463E-24	5.6453E-23	0.342506	hyper	sig	chr6_42727292
chr16	3183884	3183884	+	1.463E-24	5.6479E-23	0.246713	hyper	sig	chr16_3183884
chr15	22714437	22714437	+	1.464E-24	5.6497E-23	0.217047	hyper	sig	chr15_22714437
chr6	44342725	44342725	+	1.467E-24	5.6631E-23	0.231845	hyper	sig	chr6_44342725
chr1	3435693	3435693	+	1.468E-24	5.6663E-23	-0.25476	hypo	sig	chr1_3435693
chr10	79240113	79240113	+	1.471E-24	5.6752E-23	0.327268	hyper	sig	chr10_79240113
chr3	1.56E+08	155746022	+	1.472E-24	5.6798E-23	-0.24125	hypo	sig	chr3_155746022

chr6	10887308	10887308	+	1.472E-24	5.6799E-23	0.316192	hyper	sig	chr6_10887308
chr11	70457429	70457429	+	1.476E-24	5.6949E-23	-0.25693	hypo	sig	chr11_70457429
chr5	1.32E+08	132257449	+	1.476E-24	5.6949E-23	0.243284	hyper	sig	chr5_132257449
chr5	1.78E+08	177985635	+	1.476E-24	5.6949E-23	0.427249	hyper	sig	chr5_177985635
chr5	1.79E+08	179344780	+	1.476E-24	5.6949E-23	0.381818	hyper	sig	chr5_179344780
chr6	27545248	27545248	+	1.478E-24	5.7026E-23	0.267731	hyper	sig	chr6_27545248
chr1	2305211	2305211	+	1.479E-24	5.7031E-23	0.330542	hyper	sig	chr1_2305211
chr10	27746839	27746839	+	1.479E-24	5.7047E-23	0.309162	hyper	sig	chr10_27746839
chr6	1.6E+08	160259240	+	1.484E-24	5.7235E-23	0.344021	hyper	sig	chr6_160259240
chr7	1.4E+08	140435751	+	1.485E-24	5.7255E-23	0.298714	hyper	sig	chr7_140435751
chr3	61564842	61564842	+	1.486E-24	5.7309E-23	0.32736	hyper	sig	chr3_61564842
chr4	1.51E+08	150579852	+	1.487E-24	5.7355E-23	0.424585	hyper	sig	chr4_150579852
chr10	96370115	96370115	+	1.49E-24	5.7463E-23	-0.37793	hypo	sig	chr10_96370115
chr5	1.4E+08	139846370	+	1.491E-24	5.7471E-23	-0.29236	hypo	sig	chr5_139846370
chr20	21714244	21714244	+	1.492E-24	5.7537E-23	0.409938	hyper	sig	chr20_21714244
chr13	70107906	70107906	+	1.495E-24	5.7653E-23	0.362255	hyper	sig	chr13_70107906
chr20	35438147	35438147	+	1.498E-24	5.7743E-23	0.312779	hyper	sig	chr20_35438147
chr7	35968944	35968944	+	1.498E-24	5.7752E-23	-0.34784	hypo	sig	chr7_35968944
chr8	53877747	53877747	+	1.498E-24	5.7752E-23	0.228788	hyper	sig	chr8_53877747
chr5	1.46E+08	146334300	+	1.499E-24	5.7794E-23	0.322379	hyper	sig	chr5_146334300
chr5	1931293	1931293	+	1.501E-24	5.7846E-23	0.290167	hyper	sig	chr5_1931293
chr11	67650887	67650887	+	1.501E-24	5.7851E-23	-0.23527	hypo	sig	chr11_67650887
chr1	75130262	75130262	+	1.502E-24	5.789E-23	0.297399	hyper	sig	chr1_75130262
chr10	1.01E+08	101238115	+	1.506E-24	5.8028E-23	0.218815	hyper	sig	chr10_101238115
chr5	42840596	42840596	+	1.506E-24	5.8031E-23	-0.29832	hypo	sig	chr5_42840596
chr2	2.33E+08	233060220	+	1.508E-24	5.8094E-23	-0.43285	hypo	sig	chr2_233060220
chr1	1.44E+08	143652024	+	1.508E-24	5.8103E-23	0.341878	hyper	sig	chr1_143652024
chr7	1.28E+08	128104428	+	1.512E-24	5.8264E-23	0.24755	hyper	sig	chr7_128104428
chr2	1.19E+08	118833568	+	1.513E-24	5.828E-23	0.234158	hyper	sig	chr2_118833568
chr3	1.8E+08	180037447	+	1.513E-24	5.8295E-23	0.391774	hyper	sig	chr3_180037447
chr15	96416981	96416981	+	1.514E-24	5.8308E-23	0.330142	hyper	sig	chr15_96416981
chr3	1.27E+08	126541861	+	1.515E-24	5.8357E-23	0.392513	hyper	sig	chr3_126541861
chr3	1.97E+08	196739579	+	1.515E-24	5.8371E-23	0.281626	hyper	sig	chr3_196739579
chr7	1.22E+08	122300299	+	1.516E-24	5.8395E-23	0.333147	hyper	sig	chr7_122300299
chr4	1.74E+08	173528676	+	1.516E-24	5.8396E-23	0.404471	hyper	sig	chr4_173528676
chr6	26225397	26225397	+	1.516E-24	5.8396E-23	0.303288	hyper	sig	chr6_26225397
chr13	1.13E+08	112985379	+	1.525E-24	5.8717E-23	-0.35654	hypo	sig	chr13_112985379
chr17	81330828	81330828	+	1.525E-24	5.8718E-23	-0.29396	hypo	sig	chr17_81330828
chr1	23524965	23524965	+	1.525E-24	5.8733E-23	-0.31378	hypo	sig	chr1_23524965
chr7	4707351	4707351	+	1.526E-24	5.875E-23	0.229251	hyper	sig	chr7_4707351
chr11	31806561	31806561	+	1.527E-24	5.8779E-23	0.364099	hyper	sig	chr11_31806561
chr16	29261426	29261426	+	1.527E-24	5.8791E-23	-0.31618	hypo	sig	chr16_29261426
chr16	1918951	1918951	+	1.527E-24	5.8799E-23	0.239403	hyper	sig	chr16_1918951
chr1	2.41E+08	240613016	+	1.527E-24	5.8799E-23	-0.22114	hypo	sig	chr1_240613016
chr12	1.02E+08	101642455	+	1.527E-24	5.8799E-23	0.271699	hyper	sig	chr12_101642455
chr22	20086113	20086113	+	1.528E-24	5.8804E-23	0.305696	hyper	sig	chr22_20086113
chr4	1.11E+08	110628862	+	1.532E-24	5.8953E-23	0.283102	hyper	sig	chr4_110628862
chr12	7872978	7872978	+	1.533E-24	5.8998E-23	0.299453	hyper	sig	chr12_7872978
chr2	1.72E+08	172109418	+	1.533E-24	5.9016E-23	0.340011	hyper	sig	chr2_172109418
chr1	32754586	32754586	+	1.535E-24	5.9096E-23	0.27077	hyper	sig	chr1_32754586
chr19	19540219	19540219	+	1.536E-24	5.9127E-23	0.38133	hyper	sig	chr19_19540219
chr20	4814946	4814946	+	1.539E-24	5.9213E-23	-0.35269	hypo	sig	chr20_4814946
chr11	20159878	20159878	+	1.54E-24	5.9249E-23	0.347952	hyper	sig	chr11_20159878
chr19	48480380	48480380	+	1.54E-24	5.9249E-23	0.299394	hyper	sig	chr19_48480380
chr3	1.47E+08	147356231	+	1.54E-24	5.9268E-23	0.250925	hyper	sig	chr3_147356231
chr12	41189559	41189559	+	1.541E-24	5.9299E-23	0.35568	hyper	sig	chr12_41189559

chr2	12718490	12718490	+	1.549E-24	5.9605E-23	0.219247	hyper	sig	chr2_12718490
chr22	31497357	31497357	+	1.551E-24	5.966E-23	-0.36193	hypo	sig	chr22_31497357
chr5	1.41E+08	141485029	+	1.553E-24	5.9754E-23	0.309996	hyper	sig	chr5_141485029
chr17	65553204	65553204	+	1.554E-24	5.976E-23	-0.30145	hypo	sig	chr17_65553204
chr6	32188470	32188470	+	1.557E-24	5.9882E-23	0.29443	hyper	sig	chr6_32188470
chr11	10729343	10729343	+	1.557E-24	5.9893E-23	0.259846	hyper	sig	chr11_10729343
chr11	31797598	31797598	+	1.558E-24	5.9921E-23	0.309133	hyper	sig	chr11_31797598
chr20	46245928	46245928	+	1.558E-24	5.9921E-23	-0.36574	hypo	sig	chr20_46245928
chr12	1.33E+08	132768704	+	1.56E-24	6.0015E-23	0.34774	hyper	sig	chr12_132768704
chr17	48725188	48725188	+	1.562E-24	6.0077E-23	0.267097	hyper	sig	chr17_48725188
chr19	35773127	35773127	+	1.564E-24	6.0159E-23	-0.28419	hypo	sig	chr19_35773127
chr6	31728879	31728879	+	1.566E-24	6.0212E-23	0.327446	hyper	sig	chr6_31728879
chr2	73203560	73203560	+	1.567E-24	6.0247E-23	0.326575	hyper	sig	chr2_73203560
chr16	85586338	85586338	+	1.567E-24	6.0261E-23	0.313254	hyper	sig	chr16_85586338
chr16	54932592	54932592	+	1.568E-24	6.027E-23	0.347048	hyper	sig	chr16_54932592
chr5	88672840	88672840	+	1.568E-24	6.029E-23	0.284051	hyper	sig	chr5_88672840
chr19	56507496	56507496	+	1.569E-24	6.032E-23	0.300967	hyper	sig	chr19_56507496
chr4	1.25E+08	125317199	+	1.569E-24	6.0331E-23	0.287918	hyper	sig	chr4_125317199
chr8	1817454	1817454	+	1.571E-24	6.0381E-23	-0.30223	hypo	sig	chr8_1817454
chr13	1.12E+08	112351967	+	1.572E-24	6.0404E-23	-0.32854	hypo	sig	chr13_112351967
chr10	80264255	80264255	+	1.574E-24	6.0486E-23	-0.26034	hypo	sig	chr10_80264255
chr14	41605300	41605300	+	1.575E-24	6.0539E-23	0.254781	hyper	sig	chr14_41605300
chr10	720276	720276	+	1.577E-24	6.0611E-23	-0.38286	hypo	sig	chr10_720276
chr2	99593518	99593518	+	1.578E-24	6.0653E-23	-0.43258	hypo	sig	chr2_99593518
chr16	88880660	88880660	+	1.579E-24	6.0666E-23	0.402813	hyper	sig	chr16_88880660
chr6	1.51E+08	150599332	+	1.579E-24	6.069E-23	-0.26843	hypo	sig	chr6_150599332
chr12	4032027	4032027	+	1.58E-24	6.0708E-23	-0.30023	hypo	sig	chr12_4032027
chr19	35853324	35853324	+	1.585E-24	6.0915E-23	-0.378	hypo	sig	chr19_35853324
chr6	1.08E+08	108171128	+	1.588E-24	6.1004E-23	0.357224	hyper	sig	chr6_108171128
chr16	73064874	73064874	+	1.588E-24	6.101E-23	-0.28088	hypo	sig	chr16_73064874
chr13	78595634	78595634	+	1.592E-24	6.115E-23	0.322254	hyper	sig	chr13_78595634
chr14	94936837	94936837	+	1.594E-24	6.122E-23	0.31922	hyper	sig	chr14_94936837
chr11	44309328	44309328	+	1.594E-24	6.1237E-23	0.286785	hyper	sig	chr11_44309328
chr1	1.21E+08	121117228	+	1.595E-24	6.1259E-23	0.427045	hyper	sig	chr1_121117228
chr2	31580987	31580987	+	1.596E-24	6.1298E-23	0.38722	hyper	sig	chr2_31580987
chr6	28865604	28865604	+	1.597E-24	6.1323E-23	-0.36508	hypo	sig	chr6_28865604
chr1	1.65E+08	165445346	+	1.597E-24	6.1324E-23	0.293424	hyper	sig	chr1_165445346
chr13	94707481	94707481	+	1.598E-24	6.1359E-23	0.239106	hyper	sig	chr13_94707481
chr2	1.19E+08	118849851	+	1.598E-24	6.1363E-23	0.285785	hyper	sig	chr2_118849851
chr6	50849687	50849687	+	1.604E-24	6.1579E-23	0.310501	hyper	sig	chr6_50849687
chr19	57935043	57935043	+	1.607E-24	6.1705E-23	0.364972	hyper	sig	chr19_57935043
chr7	16754998	16754998	+	1.607E-24	6.171E-23	-0.25914	hypo	sig	chr7_16754998
chr1	1.77E+08	177171186	+	1.609E-24	6.1774E-23	0.259006	hyper	sig	chr1_177171186
chr3	27724908	27724908	+	1.61E-24	6.1814E-23	0.334064	hyper	sig	chr3_27724908
chr10	23695030	23695030	+	1.613E-24	6.192E-23	0.300407	hyper	sig	chr10_23695030
chr5	36693083	36693083	+	1.613E-24	6.1924E-23	0.338506	hyper	sig	chr5_36693083
chr11	2328613	2328613	+	1.616E-24	6.2049E-23	-0.40076	hypo	sig	chr11_2328613
chr12	1.31E+08	131133479	+	1.618E-24	6.2088E-23	-0.34567	hypo	sig	chr12_131133479
chr6	1.51E+08	150599381	+	1.619E-24	6.213E-23	-0.23163	hypo	sig	chr6_150599381
chr11	1.12E+08	112164078	+	1.625E-24	6.2354E-23	-0.26342	hypo	sig	chr11_112164078
chr11	71609676	71609676	+	1.628E-24	6.2483E-23	-0.28235	hypo	sig	chr11_71609676
chr1	1.81E+08	181483571	+	1.634E-24	6.2706E-23	0.270716	hyper	sig	chr1_181483571
chr16	67163789	67163789	+	1.635E-24	6.2736E-23	0.331476	hyper	sig	chr16_67163789
chr1	24931011	24931011	+	1.636E-24	6.278E-23	0.378583	hyper	sig	chr1_24931011
chr3	1.47E+08	147391170	+	1.637E-24	6.2806E-23	0.324098	hyper	sig	chr3_147391170
chr5	1.73E+08	173244796	+	1.638E-24	6.2834E-23	0.404329	hyper	sig	chr5_173244796

chr7	86645142	86645142	+	1.638E-24	6.2837E-23	0.343245	hyper	sig	chr7_86645142
chr15	82952220	82952220	+	1.638E-24	6.2839E-23	0.232288	hyper	sig	chr15_82952220
chr15	93416122	93416122	+	1.64E-24	6.2907E-23	-0.33302	hypo	sig	chr15_93416122
chr10	23191119	23191119	+	1.648E-24	6.322E-23	0.284016	hyper	sig	chr10_23191119
chr10	75405224	75405224	+	1.648E-24	6.3233E-23	-0.34635	hypo	sig	chr10_75405224
chr11	79439873	79439873	+	1.649E-24	6.3237E-23	0.238984	hyper	sig	chr11_79439873
chr9	34457422	34457422	+	1.652E-24	6.335E-23	0.348495	hyper	sig	chr9_34457422
chr15	55589527	55589527	+	1.652E-24	6.3379E-23	0.313973	hyper	sig	chr15_55589527
chr8	60908841	60908841	+	1.652E-24	6.3379E-23	-0.23449	hypo	sig	chr8_60908841
chr1	2.29E+08	229407373	+	1.653E-24	6.3398E-23	0.423673	hyper	sig	chr1_229407373
chr3	1.47E+08	147421770	+	1.653E-24	6.3406E-23	0.297611	hyper	sig	chr3_147421770
chr4	1.47E+08	146640627	+	1.654E-24	6.3412E-23	0.2871	hyper	sig	chr4_146640627
chr1	44417484	44417484	+	1.656E-24	6.3494E-23	0.218057	hyper	sig	chr1_44417484
chr1	1.58E+08	158181520	+	1.657E-24	6.3529E-23	0.324965	hyper	sig	chr1_158181520
chr7	1.57E+08	157004285	+	1.659E-24	6.3608E-23	0.23311	hyper	sig	chr7_157004285
chr19	22532519	22532519	+	1.661E-24	6.3674E-23	0.404455	hyper	sig	chr19_22532519
chr10	1.29E+08	128568381	+	1.661E-24	6.368E-23	-0.35022	hypo	sig	chr10_128568381
chr1	1.72E+08	171841328	+	1.662E-24	6.3716E-23	0.207151	hyper	sig	chr1_171841328
chr11	20163256	20163256	+	1.665E-24	6.3823E-23	0.202776	hyper	sig	chr11_20163256
chr2	2.22E+08	222303791	+	1.665E-24	6.3834E-23	0.345535	hyper	sig	chr2_222303791
chr13	1.12E+08	112329333	+	1.666E-24	6.3871E-23	-0.31403	hypo	sig	chr13_112329333
chr13	1.06E+08	106376509	+	1.668E-24	6.3928E-23	-0.22564	hypo	sig	chr13_106376509
chr8	66961916	66961916	+	1.668E-24	6.3928E-23	0.417112	hyper	sig	chr8_66961916
chr6	1.66E+08	166005524	+	1.67E-24	6.3988E-23	0.282985	hyper	sig	chr6_166005524
chr16	84795307	84795307	+	1.671E-24	6.4035E-23	0.301827	hyper	sig	chr16_84795307
chr19	33684650	33684650	+	1.673E-24	6.41E-23	0.346148	hyper	sig	chr19_33684650
chr14	20435508	20435508	+	1.679E-24	6.4334E-23	0.424086	hyper	sig	chr14_20435508
chr17	78232161	78232161	+	1.681E-24	6.4419E-23	0.264183	hyper	sig	chr17_78232161
chr19	16283782	16283782	+	1.683E-24	6.4493E-23	0.238667	hyper	sig	chr19_16283782
chr1	1.48E+08	148309492	+	1.688E-24	6.468E-23	0.31843	hyper	sig	chr1_148309492
chr4	2302005	2302005	+	1.689E-24	6.4711E-23	0.291922	hyper	sig	chr4_2302005
chr1	1.57E+08	156647053	+	1.69E-24	6.4744E-23	0.314253	hyper	sig	chr1_156647053
chr17	56511761	56511761	+	1.691E-24	6.4768E-23	-0.29178	hypo	sig	chr17_56511761
chr7	1.52E+08	151796650	+	1.693E-24	6.4847E-23	-0.38366	hypo	sig	chr7_151796650
chr4	1.53E+08	152935695	+	1.694E-24	6.4874E-23	-0.26213	hypo	sig	chr4_152935695
chr6	1E+08	100464292	+	1.695E-24	6.4928E-23	0.236108	hyper	sig	chr6_100464292
chr1	6244378	6244378	+	1.695E-24	6.4937E-23	0.24148	hyper	sig	chr1_6244378
chr14	1.01E+08	100687688	+	1.696E-24	6.4954E-23	-0.30132	hypo	sig	chr14_100687688
chr5	63959218	63959218	+	1.7E-24	6.5113E-23	0.386119	hyper	sig	chr5_63959218
chr15	59994994	59994994	+	1.701E-24	6.5145E-23	0.248495	hyper	sig	chr15_59994994
chr1	63320303	63320303	+	1.702E-24	6.5162E-23	0.263884	hyper	sig	chr1_63320303
chr10	1183068	1183068	+	1.702E-24	6.5185E-23	0.232335	hyper	sig	chr10_1183068
chr6	10887382	10887382	+	1.702E-24	6.5188E-23	0.283696	hyper	sig	chr6_10887382
chr14	26598650	26598650	+	1.705E-24	6.5292E-23	0.279148	hyper	sig	chr14_26598650
chr6	41028444	41028444	+	1.706E-24	6.5304E-23	0.293331	hyper	sig	chr6_41028444
chr9	1.16E+08	116154779	+	1.707E-24	6.5352E-23	0.238484	hyper	sig	chr9_116154779
chr1	2.28E+08	227888026	+	1.711E-24	6.5505E-23	0.319712	hyper	sig	chr1_227888026
chr11	95150261	95150261	+	1.711E-24	6.5511E-23	-0.29773	hypo	sig	chr11_95150261
chr11	1.04E+08	104164829	+	1.712E-24	6.5546E-23	-0.27593	hypo	sig	chr11_104164829
chr17	77285972	77285972	+	1.714E-24	6.5603E-23	-0.2955	hypo	sig	chr17_77285972
chr3	13073057	13073057	+	1.714E-24	6.5622E-23	0.339449	hyper	sig	chr3_13073057
chr3	1.07E+08	107429488	+	1.716E-24	6.5691E-23	0.297578	hyper	sig	chr3_107429488
chr1	91804962	91804962	+	1.717E-24	6.5712E-23	-0.29651	hypo	sig	chr1_91804962
chr17	81026969	81026969	+	1.72E-24	6.5831E-23	0.399847	hyper	sig	chr17_81026969
chr16	56190899	56190899	+	1.72E-24	6.5832E-23	0.25872	hyper	sig	chr16_56190899
chr1	7784725	7784725	+	1.722E-24	6.5913E-23	0.376909	hyper	sig	chr1_7784725

chr11	1.24E+08	124029983	+	1.725E-24	6.6019E-23	-0.33215	hypo	sig	chr11_124029983
chr11	1.23E+08	123371749	+	1.728E-24	6.6119E-23	-0.31405	hypo	sig	chr11_123371749
chr14	97219340	97219340	+	1.733E-24	6.6327E-23	0.237072	hyper	sig	chr14_97219340
chr2	96527896	96527896	+	1.735E-24	6.6372E-23	0.319939	hyper	sig	chr2_96527896
chr2	25167654	25167654	+	1.738E-24	6.6495E-23	0.331263	hyper	sig	chr2_25167654
chr1	41484553	41484553	+	1.739E-24	6.6528E-23	-0.27024	hypo	sig	chr1_41484553
chr3	1.31E+08	130517415	+	1.743E-24	6.6683E-23	0.273519	hyper	sig	chr3_130517415
chr16	15149003	15149003	+	1.744E-24	6.6721E-23	0.24847	hyper	sig	chr16_15149003
chr19	34482316	34482316	+	1.745E-24	6.6734E-23	0.252893	hyper	sig	chr19_34482316
chr2	3694142	3694142	+	1.747E-24	6.682E-23	-0.31656	hypo	sig	chr2_3694142
chr2	1.19E+08	118857412	+	1.747E-24	6.683E-23	0.313906	hyper	sig	chr2_118857412
chr10	1.22E+08	121596062	+	1.749E-24	6.6893E-23	0.318662	hyper	sig	chr10_121596062
chr16	23836354	23836354	+	1.749E-24	6.6893E-23	0.229522	hyper	sig	chr16_23836354
chr12	1.14E+08	114405934	+	1.75E-24	6.6914E-23	0.25676	hyper	sig	chr12_114405934
chr19	55647922	55647922	+	1.751E-24	6.6949E-23	0.241552	hyper	sig	chr19_55647922
chr2	31137943	31137943	+	1.751E-24	6.6968E-23	0.206566	hyper	sig	chr2_31137943
chr6	41100907	41100907	+	1.751E-24	6.6968E-23	0.286922	hyper	sig	chr6_41100907
chr9	1.37E+08	136850152	+	1.754E-24	6.7082E-23	0.310323	hyper	sig	chr9_136850152
chr15	89360473	89360473	+	1.757E-24	6.7196E-23	0.327386	hyper	sig	chr15_89360473
chr11	20597492	20597492	+	1.758E-24	6.7202E-23	0.322343	hyper	sig	chr11_20597492
chr10	70442107	70442107	+	1.76E-24	6.729E-23	-0.35592	hypo	sig	chr10_70442107
chr2	23617877	23617877	+	1.763E-24	6.738E-23	0.359431	hyper	sig	chr2_23617877
chr14	36513510	36513510	+	1.763E-24	6.7389E-23	0.33707	hyper	sig	chr14_36513510
chr20	25084828	25084828	+	1.763E-24	6.7401E-23	0.284789	hyper	sig	chr20_25084828
chr2	94857353	94857353	+	1.766E-24	6.7496E-23	0.291194	hyper	sig	chr2_94857353
chr2	1691548	1691548	+	1.766E-24	6.75E-23	-0.29331	hypo	sig	chr2_1691548
chr10	93074811	93074811	+	1.767E-24	6.7525E-23	0.216654	hyper	sig	chr10_93074811
chr12	2244261	2244261	+	1.768E-24	6.7564E-23	0.34791	hyper	sig	chr12_2244261
chr7	1.01E+08	100721005	+	1.768E-24	6.7564E-23	0.3499	hyper	sig	chr7_100721005
chr16	86507872	86507872	+	1.768E-24	6.757E-23	0.35349	hyper	sig	chr16_86507872
chr9	1.34E+08	133674283	+	1.77E-24	6.7625E-23	-0.39768	hypo	sig	chr9_133674283
chr11	70390675	70390675	+	1.77E-24	6.7626E-23	-0.24541	hypo	sig	chr11_70390675
chr20	885420	885420	+	1.77E-24	6.7641E-23	0.306245	hyper	sig	chr20_885420
chr5	1.29E+08	128536266	+	1.773E-24	6.7752E-23	0.271261	hyper	sig	chr5_128536266
chr17	47867060	47867060	+	1.776E-24	6.7842E-23	0.315659	hyper	sig	chr17_47867060
chr12	1.2E+08	119593929	+	1.777E-24	6.7884E-23	0.234806	hyper	sig	chr12_119593929
chr15	96364527	96364527	+	1.779E-24	6.7967E-23	-0.29336	hypo	sig	chr15_96364527
chr19	53255273	53255273	+	1.78E-24	6.798E-23	0.399155	hyper	sig	chr19_53255273
chr10	326661	326661	+	1.787E-24	6.8257E-23	0.226599	hyper	sig	chr10_326661
chr20	56925565	56925565	+	1.793E-24	6.8467E-23	0.332146	hyper	sig	chr20_56925565
chr22	29313317	29313317	+	1.794E-24	6.8532E-23	0.235085	hyper	sig	chr22_29313317
chr10	369606	369606	+	1.796E-24	6.8575E-23	0.300625	hyper	sig	chr10_369606
chr5	14440350	14440350	+	1.796E-24	6.8575E-23	0.310615	hyper	sig	chr5_14440350
chr7	1.22E+08	122316618	+	1.797E-24	6.8632E-23	0.305172	hyper	sig	chr7_122316618
chr17	45430164	45430164	+	1.8E-24	6.8714E-23	0.365267	hyper	sig	chr17_45430164
chr11	64843648	64843648	+	1.8E-24	6.8722E-23	-0.34049	hypo	sig	chr11_64843648
chr16	31488670	31488670	+	1.801E-24	6.8755E-23	0.384437	hyper	sig	chr16_31488670
chr11	90134719	90134719	+	1.804E-24	6.888E-23	0.244279	hyper	sig	chr11_90134719
chr12	48995204	48995204	+	1.804E-24	6.8881E-23	0.342501	hyper	sig	chr12_48995204
chr2	73292985	73292985	+	1.805E-24	6.8897E-23	0.33719	hyper	sig	chr2_73292985
chr5	79690288	79690288	+	1.805E-24	6.8898E-23	0.397643	hyper	sig	chr5_79690288
chr10	1.18E+08	117735045	+	1.807E-24	6.8959E-23	0.271279	hyper	sig	chr10_117735045
chr22	44729802	44729802	+	1.807E-24	6.8985E-23	0.337108	hyper	sig	chr22_44729802
chr20	38728129	38728129	+	1.808E-24	6.9025E-23	0.471678	hyper	sig	chr20_38728129
chr2	9725350	9725350	+	1.81E-24	6.9086E-23	-0.28357	hypo	sig	chr2_9725350
chr6	1.6E+08	160350156	+	1.811E-24	6.9107E-23	-0.30431	hypo	sig	chr6_160350156

chr5	1193978	1193978	+	1.813E-24	6.9196E-23	-0.3838	hypo	sig	chr5_1193978
chr7	1.54E+08	153886491	+	1.814E-24	6.9209E-23	0.379485	hyper	sig	chr7_153886491
chr13	52739788	52739788	+	1.814E-24	6.922E-23	0.381728	hyper	sig	chr13_52739788
chr2	1633256	1633256	+	1.815E-24	6.9236E-23	-0.44137	hypo	sig	chr2_1633256
chr5	28808930	28808930	+	1.816E-24	6.9287E-23	-0.30849	hypo	sig	chr5_28808930
chr4	1212126	1212126	+	1.817E-24	6.9323E-23	0.321615	hyper	sig	chr4_1212126
chr12	48184780	48184780	+	1.821E-24	6.9456E-23	0.347055	hyper	sig	chr12_48184780
chr2	2.32E+08	232409803	+	1.823E-24	6.9543E-23	0.373048	hyper	sig	chr2_232409803
chr19	22010614	22010614	+	1.825E-24	6.9637E-23	0.280674	hyper	sig	chr19_22010614
chr19	15181619	15181619	+	1.826E-24	6.967E-23	-0.42334	hypo	sig	chr19_15181619
chr13	1.12E+08	112062932	+	1.828E-24	6.973E-23	0.291153	hyper	sig	chr13_112062932
chr13	99971865	99971865	+	1.829E-24	6.9764E-23	0.328941	hyper	sig	chr13_99971865
chr5	43044559	43044559	+	1.83E-24	6.9802E-23	0.222401	hyper	sig	chr5_43044559
chr12	1.24E+08	124454980	+	1.833E-24	6.9916E-23	0.374118	hyper	sig	chr12_124454980
chr5	1.59E+08	159105452	+	1.833E-24	6.9923E-23	0.367453	hyper	sig	chr5_159105452
chr8	71843281	71843281	+	1.842E-24	7.0234E-23	0.328114	hyper	sig	chr8_71843281
chr7	1226029	1226029	+	1.845E-24	7.0354E-23	0.344299	hyper	sig	chr7_1226029
chr17	75124882	75124882	+	1.852E-24	7.0603E-23	-0.30833	hypo	sig	chr17_75124882
chr6	27864088	27864088	+	1.852E-24	7.0625E-23	0.293162	hyper	sig	chr6_27864088
chr12	1.07E+08	106585499	+	1.853E-24	7.0633E-23	0.333071	hyper	sig	chr12_106585499
chr10	1.33E+08	133231379	+	1.853E-24	7.0658E-23	0.257581	hyper	sig	chr10_133231379
chr19	14980911	14980911	+	1.856E-24	7.0756E-23	-0.33488	hypo	sig	chr19_14980911
chr7	4728491	4728491	+	1.856E-24	7.0756E-23	0.317171	hyper	sig	chr7_4728491
chr7	1602201	1602201	+	1.856E-24	7.0756E-23	-0.32136	hypo	sig	chr7_1602201
chr19	40613889	40613889	+	1.857E-24	7.0802E-23	0.290621	hyper	sig	chr19_40613889
chr6	32220540	32220540	+	1.862E-24	7.0966E-23	-0.33486	hypo	sig	chr6_32220540
chr10	1036484	1036484	+	1.863E-24	7.1027E-23	-0.35342	hypo	sig	chr10_1036484
chr1	1.11E+08	111271179	+	1.864E-24	7.1061E-23	0.321544	hyper	sig	chr1_111271179
chr10	79299676	79299676	+	1.865E-24	7.1061E-23	0.257422	hyper	sig	chr10_79299676
chr16	84851654	84851654	+	1.866E-24	7.1122E-23	-0.32673	hypo	sig	chr16_84851654
chr19	48747282	48747282	+	1.866E-24	7.1124E-23	0.309804	hyper	sig	chr19_48747282
chr1	2.32E+08	232435592	+	1.867E-24	7.1141E-23	0.305077	hyper	sig	chr1_232435592
chr11	1.34E+08	133950942	+	1.87E-24	7.1271E-23	0.375223	hyper	sig	chr11_133950942
chr17	79543396	79543396	+	1.872E-24	7.1346E-23	-0.34062	hypo	sig	chr17_79543396
chr1	1.83E+08	183416964	+	1.88E-24	7.1614E-23	0.258964	hyper	sig	chr1_183416964
chr9	1.37E+08	136739718	+	1.883E-24	7.1756E-23	-0.31611	hypo	sig	chr9_136739718
chr7	1602379	1602379	+	1.889E-24	7.1977E-23	-0.45608	hypo	sig	chr7_1602379
chr14	1.04E+08	104220302	+	1.891E-24	7.2051E-23	-0.30358	hypo	sig	chr14_104220302
chr19	33623412	33623412	+	1.892E-24	7.2079E-23	0.322574	hyper	sig	chr19_33623412
chr5	44388912	44388912	+	1.896E-24	7.2234E-23	0.304061	hyper	sig	chr5_44388912
chr6	467260	467260	+	1.899E-24	7.2316E-23	-0.28904	hypo	sig	chr6_467260
chr5	1.41E+08	141427658	+	1.906E-24	7.2583E-23	0.341762	hyper	sig	chr5_141427658
chr10	1.28E+08	127737549	+	1.909E-24	7.2699E-23	0.295007	hyper	sig	chr10_127737549
chr12	1.1E+08	109833652	+	1.913E-24	7.2869E-23	0.398879	hyper	sig	chr12_109833652
chr2	1.06E+08	106343460	+	1.918E-24	7.3048E-23	-0.38767	hypo	sig	chr2_106343460
chr14	41609989	41609989	+	1.92E-24	7.3124E-23	0.248971	hyper	sig	chr14_41609989
chr22	45010662	45010662	+	1.921E-24	7.3153E-23	0.235611	hyper	sig	chr22_45010662
chr16	991195	991195	+	1.926E-24	7.3334E-23	-0.30424	hypo	sig	chr16_991195
chr3	1.38E+08	137769666	+	1.929E-24	7.3448E-23	0.245415	hyper	sig	chr3_137769666
chr8	42499076	42499076	+	1.93E-24	7.3479E-23	0.351991	hyper	sig	chr8_42499076
chr9	97855430	97855430	+	1.932E-24	7.3541E-23	0.337181	hyper	sig	chr9_97855430
chr16	14406111	14406111	+	1.933E-24	7.3583E-23	-0.32466	hypo	sig	chr16_14406111
chr11	637487	637487	+	1.937E-24	7.3726E-23	0.287191	hyper	sig	chr11_637487
chr20	60472409	60472409	+	1.938E-24	7.3787E-23	-0.33009	hypo	sig	chr20_60472409
chr13	95552879	95552879	+	1.939E-24	7.3791E-23	0.427687	hyper	sig	chr13_95552879
chr13	25372667	25372667	+	1.94E-24	7.384E-23	0.430063	hyper	sig	chr13_25372667

chr6	68635927	68635927	+	1.946E-24	7.4067E-23	0.231636	hyper	sig	chr6_68635927
chr18	13869013	13869013	+	1.946E-24	7.4079E-23	0.225544	hyper	sig	chr18_13869013
chr5	1.41E+08	140828616	+	1.951E-24	7.4251E-23	0.296565	hyper	sig	chr5_140828616
chr2	2.42E+08	241659365	+	1.953E-24	7.4324E-23	0.353827	hyper	sig	chr2_241659365
chr5	1.81E+08	181059802	+	1.953E-24	7.4324E-23	0.235664	hyper	sig	chr5_181059802
chr8	17026688	17026688	+	1.959E-24	7.455E-23	0.245147	hyper	sig	chr8_17026688
chr1	1.48E+08	148318441	+	1.96E-24	7.4564E-23	0.341442	hyper	sig	chr1_148318441
chr3	1.92E+08	192408865	+	1.961E-24	7.4614E-23	0.284493	hyper	sig	chr3_192408865
chr1	90724562	90724562	+	1.962E-24	7.4638E-23	0.351888	hyper	sig	chr1_90724562
chr4	20253631	20253631	+	1.964E-24	7.47E-23	0.312986	hyper	sig	chr4_20253631
chr19	58356271	58356271	+	1.966E-24	7.4781E-23	0.343105	hyper	sig	chr19_58356271
chr2	1.8E+08	179863666	+	1.969E-24	7.4888E-23	-0.24686	hypo	sig	chr2_179863666
chr6	10422269	10422269	+	1.969E-24	7.4888E-23	0.327701	hyper	sig	chr6_10422269
chr5	1.73E+08	173236725	+	1.969E-24	7.4904E-23	0.337923	hyper	sig	chr5_173236725
chr8	1.01E+08	100900142	+	1.97E-24	7.4923E-23	-0.30677	hypo	sig	chr8_100900142
chr12	52233062	52233062	+	1.971E-24	7.4969E-23	0.436599	hyper	sig	chr12_52233062
chr6	26743646	26743646	+	1.972E-24	7.4981E-23	0.331132	hyper	sig	chr6_26743646
chr3	1.82E+08	181726735	+	1.972E-24	7.4982E-23	0.261178	hyper	sig	chr3_181726735
chr2	66582139	66582139	+	1.974E-24	7.5056E-23	0.291412	hyper	sig	chr2_66582139
chr17	17793078	17793078	+	1.975E-24	7.5084E-23	0.286931	hyper	sig	chr17_17793078
chr14	68952298	68952298	+	1.976E-24	7.5146E-23	0.315047	hyper	sig	chr14_68952298
chr12	52262830	52262830	+	1.977E-24	7.5157E-23	-0.31087	hypo	sig	chr12_52262830
chr13	1.14E+08	114151748	+	1.978E-24	7.5189E-23	-0.25806	hypo	sig	chr13_114151748
chr6	32394930	32394930	+	1.978E-24	7.5198E-23	-0.30234	hypo	sig	chr6_32394930
chr10	45000229	45000229	+	1.981E-24	7.5325E-23	-0.27428	hypo	sig	chr10_45000229
chr7	73893868	73893868	+	1.982E-24	7.534E-23	0.378584	hyper	sig	chr7_73893868
chr16	86504610	86504610	+	1.983E-24	7.5379E-23	0.380338	hyper	sig	chr16_86504610
chr11	20669187	20669187	+	1.984E-24	7.5404E-23	0.321983	hyper	sig	chr11_20669187
chr1	1.8E+08	179743976	+	1.987E-24	7.5504E-23	0.335383	hyper	sig	chr1_179743976
chr17	76948776	76948776	+	1.987E-24	7.5504E-23	-0.35713	hypo	sig	chr17_76948776
chr6	29558609	29558609	+	1.989E-24	7.5582E-23	-0.36283	hypo	sig	chr6_29558609
chr2	2.39E+08	239247175	+	1.993E-24	7.5744E-23	-0.30643	hypo	sig	chr2_239247175
chr4	3689570	3689570	+	1.994E-24	7.5779E-23	-0.29785	hypo	sig	chr4_3689570
chr13	42574159	42574159	+	1.996E-24	7.5857E-23	0.303366	hyper	sig	chr13_42574159
chr3	1.61E+08	161104836	+	1.997E-24	7.5896E-23	0.215515	hyper	sig	chr3_161104836
chr16	3183799	3183799	+	2.001E-24	7.6025E-23	0.270447	hyper	sig	chr16_3183799
chr4	41751252	41751252	+	2.004E-24	7.6148E-23	0.258726	hyper	sig	chr4_41751252
chr6	99602979	99602979	+	2.005E-24	7.6193E-23	0.273653	hyper	sig	chr6_99602979
chr5	1.73E+08	172643150	+	2.006E-24	7.6215E-23	0.280014	hyper	sig	chr5_172643150
chr11	27723125	27723125	+	2.009E-24	7.6315E-23	0.318011	hyper	sig	chr11_27723125
chr1	1.17E+08	116671541	+	2.01E-24	7.6366E-23	0.279749	hyper	sig	chr1_116671541
chr16	29157487	29157487	+	2.013E-24	7.6469E-23	-0.4033	hypo	sig	chr16_29157487
chr19	57888867	57888867	+	2.014E-24	7.6486E-23	0.280868	hyper	sig	chr19_57888867
chr3	1.39E+08	138938722	+	2.014E-24	7.6486E-23	0.201989	hyper	sig	chr3_138938722
chr10	1.03E+08	102776376	+	2.02E-24	7.6716E-23	0.297702	hyper	sig	chr10_102776376
chr11	8019966	8019966	+	2.025E-24	7.6912E-23	0.202349	hyper	sig	chr11_8019966
chr12	75209332	75209332	+	2.025E-24	7.6912E-23	0.356003	hyper	sig	chr12_75209332
chr19	35994380	35994380	+	2.026E-24	7.6929E-23	0.342065	hyper	sig	chr19_35994380
chr20	61813847	61813847	+	2.027E-24	7.6985E-23	-0.34164	hypo	sig	chr20_61813847
chr5	1.41E+08	141393101	+	2.035E-24	7.7255E-23	0.254121	hyper	sig	chr5_141393101
chr6	29558682	29558682	+	2.035E-24	7.7255E-23	-0.25775	hypo	sig	chr6_29558682
chr2	99593527	99593527	+	2.035E-24	7.7264E-23	-0.39771	hypo	sig	chr2_99593527
chr16	89339097	89339097	+	2.036E-24	7.7303E-23	-0.28798	hypo	sig	chr16_89339097
chr1	2037936	2037936	+	2.039E-24	7.7394E-23	-0.32379	hypo	sig	chr1_2037936
chr16	67014544	67014544	+	2.04E-24	7.7453E-23	0.260339	hyper	sig	chr16_67014544
chr5	1.73E+08	173244029	+	2.04E-24	7.7453E-23	0.349754	hyper	sig	chr5_173244029

chr16	67964018	67964018	+	2.047E-24	7.7679E-23	0.271729	hyper	sig	chr16_67964018
chr15	28921533	28921533	+	2.049E-24	7.778E-23	-0.31816	hypo	sig	chr15_28921533
chr7	1.28E+08	128476352	+	2.052E-24	7.7887E-23	-0.29878	hypo	sig	chr7_128476352
chr5	37838261	37838261	+	2.053E-24	7.7897E-23	0.238815	hyper	sig	chr5_37838261
chr15	93421859	93421859	+	2.053E-24	7.7909E-23	-0.32358	hypo	sig	chr15_93421859
chr2	915651	915651	+	2.057E-24	7.8051E-23	-0.30076	hypo	sig	chr2_915651
chr5	32713269	32713269	+	2.059E-24	7.8131E-23	0.30533	hyper	sig	chr5_32713269
chr12	57619904	57619904	+	2.063E-24	7.8279E-23	-0.28246	hypo	sig	chr12_57619904
chr21	44958453	44958453	+	2.063E-24	7.8279E-23	0.315498	hyper	sig	chr21_44958453
chr11	2588964	2588964	+	2.064E-24	7.8318E-23	-0.34204	hypo	sig	chr11_2588964
chr2	2.28E+08	228181609	+	2.065E-24	7.8328E-23	0.357134	hyper	sig	chr2_228181609
chr9	1.37E+08	136965001	+	2.065E-24	7.8328E-23	-0.29431	hypo	sig	chr9_136965001
chr1	9321203	9321203	+	2.066E-24	7.8359E-23	0.3578	hyper	sig	chr1_9321203
chr2	2.39E+08	239199510	+	2.066E-24	7.8363E-23	0.287927	hyper	sig	chr2_239199510
chr17	42687645	42687645	+	2.066E-24	7.8372E-23	0.243081	hyper	sig	chr17_42687645
chr6	29553375	29553375	+	2.067E-24	7.8404E-23	0.279046	hyper	sig	chr6_29553375
chr14	1.02E+08	101781826	+	2.069E-24	7.8459E-23	0.320819	hyper	sig	chr14_101781826
chr19	36973515	36973515	+	2.073E-24	7.8621E-23	0.336896	hyper	sig	chr19_36973515
chr1	27350710	27350710	+	2.074E-24	7.8663E-23	0.378364	hyper	sig	chr1_27350710
chr16	54932756	54932756	+	2.076E-24	7.872E-23	0.405145	hyper	sig	chr16_54932756
chr10	42368102	42368102	+	2.08E-24	7.8891E-23	0.308746	hyper	sig	chr10_42368102
chr10	1.01E+08	100744479	+	2.083E-24	7.8988E-23	0.257042	hyper	sig	chr10_100744479
chr4	785742	785742	+	2.084E-24	7.9016E-23	0.387092	hyper	sig	chr4_785742
chr10	1.3E+08	129883980	+	2.086E-24	7.9089E-23	-0.27833	hypo	sig	chr10_129883980
chr16	502242	502242	+	2.086E-24	7.9107E-23	-0.38635	hypo	sig	chr16_502242
chr16	54940040	54940040	+	2.091E-24	7.9257E-23	0.326275	hyper	sig	chr16_54940040
chr17	4786320	4786320	+	2.091E-24	7.9278E-23	0.30419	hyper	sig	chr17_4786320
chr17	77453829	77453829	+	2.095E-24	7.9427E-23	-0.40525	hypo	sig	chr17_77453829
chr5	64506526	64506526	+	2.096E-24	7.9435E-23	0.232977	hyper	sig	chr5_64506526
chr13	57630121	57630121	+	2.098E-24	7.9511E-23	0.447081	hyper	sig	chr13_57630121
chr10	7409457	7409457	+	2.102E-24	7.9672E-23	0.275833	hyper	sig	chr10_7409457
chr13	1.12E+08	112069241	+	2.103E-24	7.9695E-23	0.292343	hyper	sig	chr13_112069241
chr6	13860389	13860389	+	2.109E-24	7.9919E-23	0.363828	hyper	sig	chr6_13860389
chr1	47434612	47434612	+	2.11E-24	7.997E-23	0.357901	hyper	sig	chr1_47434612
chr12	1.2E+08	119803971	+	2.111E-24	7.9991E-23	0.320932	hyper	sig	chr12_119803971
chr20	24470093	24470093	+	2.115E-24	8.0153E-23	0.345644	hyper	sig	chr20_24470093
chr16	4795766	4795766	+	2.118E-24	8.026E-23	-0.33373	hypo	sig	chr16_4795766
chr8	1.44E+08	143599326	+	2.124E-24	8.0465E-23	0.296405	hyper	sig	chr8_143599326
chr2	5692885	5692885	+	2.126E-24	8.0538E-23	0.336702	hyper	sig	chr2_5692885
chr6	29792681	29792681	+	2.126E-24	8.0549E-23	0.236627	hyper	sig	chr6_29792681
chr13	1.13E+08	112771716	+	2.126E-24	8.0557E-23	-0.30385	hypo	sig	chr13_112771716
chr4	1.89E+08	188651493	+	2.128E-24	8.0632E-23	-0.31779	hypo	sig	chr4_188651493
chr4	1.72E+08	171812609	+	2.131E-24	8.0724E-23	0.284512	hyper	sig	chr4_171812609
chr6	32153156	32153156	+	2.131E-24	8.0741E-23	0.262751	hyper	sig	chr6_32153156
chr20	62774233	62774233	+	2.134E-24	8.0817E-23	-0.35964	hypo	sig	chr20_62774233
chr1	47443846	47443846	+	2.135E-24	8.0855E-23	0.499264	hyper	sig	chr1_47443846
chr6	29554037	29554037	+	2.137E-24	8.0931E-23	0.354838	hyper	sig	chr6_29554037
chr13	57629886	57629886	+	2.137E-24	8.0936E-23	0.32031	hyper	sig	chr13_57629886
chr11	17720949	17720949	+	2.137E-24	8.0946E-23	0.368376	hyper	sig	chr11_17720949
chr12	53952071	53952071	+	2.138E-24	8.0959E-23	0.255152	hyper	sig	chr12_53952071
chr1	47444256	47444256	+	2.145E-24	8.1228E-23	0.309884	hyper	sig	chr1_47444256
chr9	98707050	98707050	+	2.146E-24	8.1262E-23	0.222255	hyper	sig	chr9_98707050
chr7	19118402	19118402	+	2.147E-24	8.1312E-23	0.351062	hyper	sig	chr7_19118402
chr7	1331119	1331119	+	2.151E-24	8.1431E-23	0.328556	hyper	sig	chr7_1331119
chr7	2730139	2730139	+	2.155E-24	8.1607E-23	0.325007	hyper	sig	chr7_2730139
chr5	3590890	3590890	+	2.158E-24	8.1689E-23	0.253516	hyper	sig	chr5_3590890

chr12	1.03E+08	102962226	+	2.158E-24	8.1696E-23	0.283992	hyper	sig	chr12_102962226
chr6	7427098	7427098	+	2.159E-24	8.1747E-23	0.361111	hyper	sig	chr6_7427098
chr16	85847952	85847952	+	2.17E-24	8.2146E-23	-0.28562	hypo	sig	chr16_85847952
chr1	3650699	3650699	+	2.171E-24	8.2167E-23	0.287672	hyper	sig	chr1_3650699
chr20	59031595	59031595	+	2.171E-24	8.2181E-23	-0.32571	hypo	sig	chr20_59031595
chr1	2.33E+08	232805334	+	2.173E-24	8.2236E-23	0.20336	hyper	sig	chr1_232805334
chr2	585365	585365	+	2.173E-24	8.2236E-23	-0.35221	hypo	sig	chr2_585365
chr6	1.5E+08	149964724	+	2.173E-24	8.2236E-23	0.280611	hyper	sig	chr6_149964724
chr10	80535638	80535638	+	2.175E-24	8.2287E-23	-0.28873	hypo	sig	chr10_80535638
chr11	64759942	64759942	+	2.176E-24	8.2331E-23	0.333444	hyper	sig	chr11_64759942
chr3	1.32E+08	131527286	+	2.176E-24	8.2346E-23	0.298934	hyper	sig	chr3_131527286
chr15	70082146	70082146	+	2.179E-24	8.2446E-23	0.256387	hyper	sig	chr15_70082146
chr2	89611927	89611927	+	2.179E-24	8.2456E-23	0.35607	hyper	sig	chr2_89611927
chr5	73299661	73299661	+	2.183E-24	8.2605E-23	0.250599	hyper	sig	chr5_73299661
chr11	65355799	65355799	+	2.184E-24	8.2637E-23	0.354823	hyper	sig	chr11_65355799
chr2	2.42E+08	241985838	+	2.185E-24	8.265E-23	-0.3677	hypo	sig	chr2_241985838
chr5	45696397	45696397	+	2.185E-24	8.2655E-23	0.3526	hyper	sig	chr5_45696397
chr6	34238375	34238375	+	2.185E-24	8.2655E-23	-0.27261	hypo	sig	chr6_34238375
chr5	88678135	88678135	+	2.186E-24	8.2681E-23	0.369158	hyper	sig	chr5_88678135
chr11	65047768	65047768	+	2.19E-24	8.2831E-23	0.361337	hyper	sig	chr11_65047768
chr1	1.14E+08	114154427	+	2.192E-24	8.2902E-23	0.247246	hyper	sig	chr1_114154427
chr14	95441660	95441660	+	2.198E-24	8.3131E-23	-0.28607	hypo	sig	chr14_95441660
chr18	79785028	79785028	+	2.199E-24	8.3167E-23	-0.36076	hypo	sig	chr18_79785028
chr10	510553	510553	+	2.201E-24	8.3216E-23	0.267513	hyper	sig	chr10_510553
chr22	19524503	19524503	+	2.201E-24	8.3224E-23	0.262007	hyper	sig	chr22_19524503
chr12	1.32E+08	132329077	+	2.202E-24	8.3259E-23	0.332324	hyper	sig	chr12_132329077
chr16	51153827	51153827	+	2.205E-24	8.3354E-23	0.307258	hyper	sig	chr16_51153827
chr7	1.59E+08	158570202	+	2.206E-24	8.3412E-23	0.287648	hyper	sig	chr7_158570202
chr19	2588577	2588577	+	2.206E-24	8.3414E-23	-0.23379	hypo	sig	chr19_2588577
chr16	82632106	82632106	+	2.208E-24	8.3475E-23	-0.31983	hypo	sig	chr16_82632106
chr2	1.28E+08	127700860	+	2.209E-24	8.3502E-23	-0.307	hypo	sig	chr2_127700860
chr5	3597597	3597597	+	2.209E-24	8.3519E-23	0.309757	hyper	sig	chr5_3597597
chr14	73713514	73713514	+	2.214E-24	8.3685E-23	0.288309	hyper	sig	chr14_73713514
chr10	23173233	23173233	+	2.215E-24	8.3731E-23	0.344802	hyper	sig	chr10_23173233
chr9	970679	970679	+	2.218E-24	8.3824E-23	0.285262	hyper	sig	chr9_970679
chr5	3325447	3325447	+	2.223E-24	8.4007E-23	0.285965	hyper	sig	chr5_3325447
chr3	1.47E+08	147396619	+	2.229E-24	8.4228E-23	0.274932	hyper	sig	chr3_147396619
chr11	60756769	60756769	+	2.23E-24	8.4257E-23	-0.23968	hypo	sig	chr11_60756769
chr22	37186280	37186280	+	2.23E-24	8.4271E-23	-0.32084	hypo	sig	chr22_37186280
chr22	38205276	38205276	+	2.233E-24	8.4365E-23	0.289664	hyper	sig	chr22_38205276
chr13	57630841	57630841	+	2.235E-24	8.4447E-23	0.309668	hyper	sig	chr13_57630841
chr5	77638852	77638852	+	2.238E-24	8.4558E-23	0.312483	hyper	sig	chr5_77638852
chr8	52939883	52939883	+	2.242E-24	8.4717E-23	0.354427	hyper	sig	chr8_52939883
chr3	75655822	75655822	+	2.244E-24	8.4775E-23	0.361932	hyper	sig	chr3_75655822
chr6	33076091	33076091	+	2.249E-24	8.4959E-23	-0.28981	hypo	sig	chr6_33076091
chr7	6842539	6842539	+	2.249E-24	8.496E-23	-0.26446	hypo	sig	chr7_6842539
chr1	2.23E+08	223390090	+	2.251E-24	8.5025E-23	-0.35632	hypo	sig	chr1_223390090
chr11	10309528	10309528	+	2.252E-24	8.5075E-23	-0.29914	hypo	sig	chr11_10309528
chr11	2140714	2140714	+	2.255E-24	8.5172E-23	0.302004	hyper	sig	chr11_2140714
chr11	74721016	74721016	+	2.255E-24	8.5172E-23	0.348033	hyper	sig	chr11_74721016
chr6	29828625	29828625	+	2.255E-24	8.5175E-23	0.276365	hyper	sig	chr6_29828625
chr19	52369837	52369837	+	2.256E-24	8.5179E-23	0.220183	hyper	sig	chr19_52369837
chr8	55939674	55939674	+	2.256E-24	8.5195E-23	0.27798	hyper	sig	chr8_55939674
chr12	1.04E+08	104050155	+	2.262E-24	8.5425E-23	0.200947	hyper	sig	chr12_104050155
chr9	1.36E+08	136342325	+	2.264E-24	8.5484E-23	0.323833	hyper	sig	chr9_136342325
chr3	1.41E+08	141095203	+	2.265E-24	8.5509E-23	0.314866	hyper	sig	chr3_141095203

chr3	14305834	14305834	+	2.265E-24	8.5521E-23	-0.26867	hypo	sig	chr3_14305834
chr1	981457	981457	+	2.267E-24	8.5594E-23	-0.34751	hypo	sig	chr1_981457
chr18	21243007	21243007	+	2.268E-24	8.5615E-23	0.248756	hyper	sig	chr18_21243007
chr5	33936656	33936656	+	2.274E-24	8.5853E-23	0.343877	hyper	sig	chr5_33936656
chr10	1736621	1736621	+	2.275E-24	8.5891E-23	0.265453	hyper	sig	chr10_1736621
chr10	1.09E+08	108911919	+	2.278E-24	8.5972E-23	0.367356	hyper	sig	chr10_108911919
chr13	99989197	99989197	+	2.278E-24	8.5976E-23	0.322028	hyper	sig	chr13_99989197
chr4	84482072	84482072	+	2.278E-24	8.5993E-23	0.255715	hyper	sig	chr4_84482072
chr7	1.59E+08	159153281	+	2.279E-24	8.5999E-23	-0.34949	hypo	sig	chr7_159153281
chr1	1.57E+08	156657309	+	2.279E-24	8.6012E-23	0.384018	hyper	sig	chr1_156657309
chr10	1.01E+08	101134217	+	2.28E-24	8.6034E-23	0.348359	hyper	sig	chr10_101134217
chr4	1.54E+08	153789624	+	2.283E-24	8.6165E-23	0.382389	hyper	sig	chr4_153789624
chr13	1.13E+08	113454398	+	2.286E-24	8.6259E-23	0.275262	hyper	sig	chr13_113454398
chr12	6057930	6057930	+	2.287E-24	8.6278E-23	0.330608	hyper	sig	chr12_6057930
chr17	81330368	81330368	+	2.288E-24	8.6321E-23	-0.35759	hypo	sig	chr17_81330368
chr8	1.43E+08	143213011	+	2.29E-24	8.6399E-23	-0.33089	hypo	sig	chr8_143213011
chr1	1.19E+08	118989427	+	2.291E-24	8.6417E-23	0.327081	hyper	sig	chr1_118989427
chr7	97020975	97020975	+	2.293E-24	8.6513E-23	0.340886	hyper	sig	chr7_97020975
chr7	3175910	3175910	+	2.295E-24	8.6562E-23	-0.3219	hypo	sig	chr7_3175910
chr8	1.43E+08	143197249	+	2.299E-24	8.6712E-23	0.260395	hyper	sig	chr8_143197249
chr22	19892264	19892264	+	2.299E-24	8.6723E-23	-0.2598	hypo	sig	chr22_19892264
chr7	1.01E+08	100721003	+	2.303E-24	8.687E-23	0.355622	hyper	sig	chr7_100721003
chr13	36155113	36155113	+	2.305E-24	8.6943E-23	0.418045	hyper	sig	chr13_36155113
chr5	1.41E+08	141332966	+	2.307E-24	8.7018E-23	0.321631	hyper	sig	chr5_141332966
chr20	17314576	17314576	+	2.31E-24	8.7098E-23	-0.30322	hypo	sig	chr20_17314576
chr5	777366	777366	+	2.31E-24	8.7098E-23	0.266286	hyper	sig	chr5_777366
chr21	44709003	44709003	+	2.311E-24	8.7156E-23	0.418137	hyper	sig	chr21_44709003
chr13	57629916	57629916	+	2.324E-24	8.764E-23	0.314089	hyper	sig	chr13_57629916
chr18	21243016	21243016	+	2.325E-24	8.7656E-23	0.262674	hyper	sig	chr18_21243016
chr19	52453421	52453421	+	2.332E-24	8.7913E-23	0.358742	hyper	sig	chr19_52453421
chr2	3169508	3169508	+	2.336E-24	8.8088E-23	0.260363	hyper	sig	chr2_3169508
chr3	26622413	26622413	+	2.337E-24	8.8096E-23	0.333131	hyper	sig	chr3_26622413
chr20	9514916	9514916	+	2.34E-24	8.8201E-23	0.224593	hyper	sig	chr20_9514916
chr1	9875478	9875478	+	2.342E-24	8.8276E-23	0.275687	hyper	sig	chr1_9875478
chr13	1.14E+08	114202623	+	2.342E-24	8.8276E-23	-0.32972	hypo	sig	chr13_114202623
chr2	96500753	96500753	+	2.343E-24	8.8311E-23	0.381477	hyper	sig	chr2_96500753
chr4	1339179	1339179	+	2.345E-24	8.8366E-23	-0.25744	hypo	sig	chr4_1339179
chr5	1.34E+08	134114041	+	2.345E-24	8.8397E-23	0.336083	hyper	sig	chr5_134114041
chr6	62285618	62285618	+	2.346E-24	8.8397E-23	0.33633	hyper	sig	chr6_62285618
chr3	62374098	62374098	+	2.346E-24	8.8416E-23	0.311423	hyper	sig	chr3_62374098
chr19	53942634	53942634	+	2.35E-24	8.8547E-23	0.408515	hyper	sig	chr19_53942634
chr1	1.83E+08	183417637	+	2.359E-24	8.8898E-23	0.337891	hyper	sig	chr1_183417637
chr14	36523060	36523060	+	2.36E-24	8.8929E-23	0.286275	hyper	sig	chr14_36523060
chr1	1.61E+08	161198377	+	2.361E-24	8.8945E-23	0.364267	hyper	sig	chr1_161198377
chr6	16302858	16302858	+	2.361E-24	8.8945E-23	0.264555	hyper	sig	chr6_16302858
chr6	28988978	28988978	+	2.361E-24	8.8961E-23	0.242194	hyper	sig	chr6_28988978
chr16	51113647	51113647	+	2.368E-24	8.9223E-23	0.216273	hyper	sig	chr16_51113647
chr2	1284012	1284012	+	2.378E-24	8.9567E-23	0.239908	hyper	sig	chr2_1284012
chr7	1E+08	100177820	+	2.383E-24	8.9756E-23	0.287183	hyper	sig	chr7_100177820
chr7	5349150	5349150	+	2.383E-24	8.9778E-23	0.310632	hyper	sig	chr7_5349150
chr7	1.5E+08	150221197	+	2.385E-24	8.9829E-23	0.281952	hyper	sig	chr7_150221197
chr16	51153682	51153682	+	2.388E-24	8.9932E-23	0.353113	hyper	sig	chr16_51153682
chr2	1.2E+08	120346583	+	2.388E-24	8.995E-23	0.265672	hyper	sig	chr2_120346583
chr11	20597537	20597537	+	2.391E-24	9.0047E-23	0.303991	hyper	sig	chr11_20597537
chr17	75587760	75587760	+	2.394E-24	9.015E-23	0.293422	hyper	sig	chr17_75587760
chr7	1.58E+08	158239769	+	2.397E-24	9.0254E-23	-0.28519	hypo	sig	chr7_158239769

chr19	23070601	23070601	+	2.404E-24	9.0502E-23	0.348048	hyper	sig	chr19_23070601
chr8	1432886	1432886	+	2.408E-24	9.0668E-23	-0.33909	hypo	sig	chr8_1432886
chr10	1.01E+08	101236512	+	2.409E-24	9.068E-23	0.260056	hyper	sig	chr10_101236512
chr5	32712996	32712996	+	2.409E-24	9.068E-23	0.312436	hyper	sig	chr5_32712996
chr2	1.27E+08	126656394	+	2.409E-24	9.0708E-23	0.328162	hyper	sig	chr2_126656394
chr6	30685959	30685959	+	2.411E-24	9.0776E-23	0.286267	hyper	sig	chr6_30685959
chr4	1.72E+08	171813606	+	2.413E-24	9.0837E-23	0.244876	hyper	sig	chr4_171813606
chr2	44932949	44932949	+	2.414E-24	9.0848E-23	0.377121	hyper	sig	chr2_44932949
chr13	1.13E+08	113413766	+	2.417E-24	9.096E-23	0.294733	hyper	sig	chr13_113413766
chr3	1.28E+08	128481938	+	2.418E-24	9.101E-23	0.332673	hyper	sig	chr3_128481938
chr7	1.58E+08	157594690	+	2.422E-24	9.1154E-23	-0.36412	hypo	sig	chr7_157594690
chr17	36884713	36884713	+	2.425E-24	9.1275E-23	0.416196	hyper	sig	chr17_36884713
chr11	1.19E+08	119422062	+	2.427E-24	9.1336E-23	0.212758	hyper	sig	chr11_119422062
chr5	3591013	3591013	+	2.428E-24	9.1374E-23	0.281853	hyper	sig	chr5_3591013
chr10	81875631	81875631	+	2.429E-24	9.1418E-23	0.268538	hyper	sig	chr10_81875631
chr5	1.55E+08	154691584	+	2.43E-24	9.1423E-23	0.355185	hyper	sig	chr5_154691584
chr7	2680771	2680771	+	2.437E-24	9.1693E-23	-0.34172	hypo	sig	chr7_2680771
chr19	43820787	43820787	+	2.441E-24	9.1857E-23	0.251188	hyper	sig	chr19_43820787
chr5	1.73E+08	173244805	+	2.443E-24	9.1921E-23	0.411341	hyper	sig	chr5_173244805
chr19	37551309	37551309	+	2.447E-24	9.2049E-23	0.396332	hyper	sig	chr19_37551309
chr13	98571129	98571129	+	2.448E-24	9.2085E-23	-0.31674	hypo	sig	chr13_98571129
chr16	4335026	4335026	+	2.452E-24	9.2225E-23	-0.25461	hypo	sig	chr16_4335026
chr22	29313319	29313319	+	2.452E-24	9.2225E-23	0.230379	hyper	sig	chr22_29313319
chr5	1.42E+08	142314309	+	2.458E-24	9.2448E-23	0.287015	hyper	sig	chr5_142314309
chr1	1.19E+08	119007850	+	2.463E-24	9.265E-23	0.377631	hyper	sig	chr1_119007850
chr15	89913376	89913376	+	2.471E-24	9.2934E-23	-0.27395	hypo	sig	chr15_89913376
chr4	1.53E+08	152680197	+	2.473E-24	9.2999E-23	-0.22581	hypo	sig	chr4_152680197
chr13	1.1E+08	110445463	+	2.473E-24	9.3E-23	-0.31959	hypo	sig	chr13_110445463
chr7	97002539	97002539	+	2.473E-24	9.3016E-23	0.36751	hyper	sig	chr7_97002539
chr12	1.03E+08	102962180	+	2.475E-24	9.3086E-23	0.316756	hyper	sig	chr12_102962180
chr2	1.83E+08	182866948	+	2.477E-24	9.3121E-23	0.259316	hyper	sig	chr2_182866948
chr7	49775070	49775070	+	2.479E-24	9.3224E-23	0.296999	hyper	sig	chr7_49775070
chr7	97007319	97007319	+	2.48E-24	9.323E-23	0.296946	hyper	sig	chr7_97007319
chr22	49634742	49634742	+	2.484E-24	9.3408E-23	-0.36676	hypo	sig	chr22_49634742
chr4	1.55E+08	155376464	+	2.486E-24	9.3469E-23	0.312353	hyper	sig	chr4_155376464
chr2	2.06E+08	205686640	+	2.487E-24	9.3481E-23	0.340627	hyper	sig	chr2_205686640
chr17	79692505	79692505	+	2.493E-24	9.372E-23	-0.3335	hypo	sig	chr17_79692505
chr1	2.14E+08	214303745	+	2.494E-24	9.3732E-23	0.417996	hyper	sig	chr1_214303745
chr17	50185778	50185778	+	2.495E-24	9.3791E-23	0.317502	hyper	sig	chr17_50185778
chr6	83709562	83709562	+	2.496E-24	9.3795E-23	0.308815	hyper	sig	chr6_83709562
chr4	1.22E+08	121764486	+	2.496E-24	9.3799E-23	0.285029	hyper	sig	chr4_121764486
chr6	27864125	27864125	+	2.497E-24	9.3853E-23	0.280862	hyper	sig	chr6_27864125
chr2	1.92E+08	191885902	+	2.498E-24	9.3876E-23	-0.35051	hypo	sig	chr2_191885902
chr19	53058212	53058212	+	2.498E-24	9.3884E-23	0.395605	hyper	sig	chr19_53058212
chr2	66444590	66444590	+	2.507E-24	9.4197E-23	0.291534	hyper	sig	chr2_66444590
chr12	53945504	53945504	+	2.511E-24	9.4329E-23	0.287206	hyper	sig	chr12_53945504
chr14	69259498	69259498	+	2.516E-24	9.4517E-23	0.240321	hyper	sig	chr14_69259498
chr7	97018125	97018125	+	2.517E-24	9.4554E-23	0.283876	hyper	sig	chr7_97018125
chr2	2.41E+08	240672636	+	2.517E-24	9.4564E-23	0.339219	hyper	sig	chr2_240672636
chr11	65557671	65557671	+	2.519E-24	9.4633E-23	0.249455	hyper	sig	chr11_65557671
chr3	54625978	54625978	+	2.52E-24	9.4643E-23	-0.32621	hypo	sig	chr3_54625978
chr12	1.14E+08	114401061	+	2.521E-24	9.4688E-23	0.254072	hyper	sig	chr12_114401061
chr5	5140822	5140822	+	2.528E-24	9.4956E-23	0.327016	hyper	sig	chr5_5140822
chr8	52940097	52940097	+	2.529E-24	9.5002E-23	0.337103	hyper	sig	chr8_52940097
chr19	37251884	37251884	+	2.535E-24	9.5207E-23	0.318847	hyper	sig	chr19_37251884
chr7	35255496	35255496	+	2.535E-24	9.5217E-23	0.387465	hyper	sig	chr7_35255496

chr3	27724494	27724494	+	2.537E-24	9.526E-23	0.4514	hyper	sig	chr3_27724494
chr11	10599981	10599981	+	2.537E-24	9.5284E-23	0.269864	hyper	sig	chr11_10599981
chr7	27103803	27103803	+	2.539E-24	9.5324E-23	0.316884	hyper	sig	chr7_27103803
chr16	31224214	31224214	+	2.54E-24	9.5363E-23	0.327557	hyper	sig	chr16_31224214
chr15	59995063	59995063	+	2.541E-24	9.5416E-23	0.320439	hyper	sig	chr15_59995063
chr19	36916221	36916221	+	2.542E-24	9.544E-23	0.241472	hyper	sig	chr19_36916221
chr3	62371269	62371269	+	2.556E-24	9.5975E-23	0.394732	hyper	sig	chr3_62371269
chr6	1.06E+08	105981856	+	2.561E-24	9.6127E-23	0.312371	hyper	sig	chr6_105981856
chr16	3183791	3183791	+	2.568E-24	9.6385E-23	0.29132	hyper	sig	chr16_3183791
chr22	49671297	49671297	+	2.569E-24	9.6425E-23	0.359496	hyper	sig	chr22_49671297
chr13	19818373	19818373	+	2.573E-24	9.659E-23	0.272379	hyper	sig	chr13_19818373
chr9	96087414	96087414	+	2.574E-24	9.661E-23	-0.33273	hypo	sig	chr9_96087414
chr7	1.02E+08	101912463	+	2.576E-24	9.6674E-23	0.288432	hyper	sig	chr7_101912463
chr2	1.2E+08	120466164	+	2.583E-24	9.6929E-23	-0.25099	hypo	sig	chr2_120466164
chr6	10385138	10385138	+	2.583E-24	9.6929E-23	0.454286	hyper	sig	chr6_10385138
chr20	23049644	23049644	+	2.584E-24	9.6958E-23	0.317528	hyper	sig	chr20_23049644
chr8	52099963	52099963	+	2.585E-24	9.7005E-23	0.291487	hyper	sig	chr8_52099963
chr2	48916395	48916395	+	2.586E-24	9.7052E-23	-0.27346	hypo	sig	chr2_48916395
chr11	32433877	32433877	+	2.589E-24	9.7159E-23	0.342298	hyper	sig	chr11_32433877
chr10	1.01E+08	101134261	+	2.594E-24	9.7316E-23	0.328726	hyper	sig	chr10_101134261
chr2	1.92E+08	192196071	+	2.595E-24	9.7343E-23	0.254354	hyper	sig	chr2_192196071
chr16	66366026	66366026	+	2.597E-24	9.7416E-23	-0.32292	hypo	sig	chr16_66366026
chr12	58921407	58921407	+	2.6E-24	9.7553E-23	-0.32781	hypo	sig	chr12_58921407
chr19	15457743	15457743	+	2.601E-24	9.7586E-23	0.25783	hyper	sig	chr19_15457743
chr1	90836429	90836429	+	2.609E-24	9.7859E-23	0.443856	hyper	sig	chr1_90836429
chr16	383433	383433	+	2.609E-24	9.7859E-23	-0.23869	hypo	sig	chr16_383433
chr12	54006710	54006710	+	2.613E-24	9.8003E-23	-0.24222	hypo	sig	chr12_54006710
chr17	75891292	75891292	+	2.615E-24	9.8061E-23	-0.27472	hypo	sig	chr17_75891292
chr11	71206269	71206269	+	2.617E-24	9.816E-23	0.295572	hyper	sig	chr11_71206269
chr15	99062137	99062137	+	2.622E-24	9.8319E-23	-0.32595	hypo	sig	chr15_99062137
chr9	1.24E+08	124487341	+	2.623E-24	9.8356E-23	0.367932	hyper	sig	chr9_124487341
chr2	1.61E+08	161281191	+	2.625E-24	9.8422E-23	-0.35666	hypo	sig	chr2_161281191
chr11	8168589	8168589	+	2.625E-24	9.8443E-23	0.318356	hyper	sig	chr11_8168589
chr8	1.4E+08	139703492	+	2.627E-24	9.8497E-23	0.40845	hyper	sig	chr8_139703492
chr7	1.51E+08	151430108	+	2.627E-24	9.8505E-23	-0.36356	hypo	sig	chr7_151430108
chr17	78665985	78665985	+	2.631E-24	9.8627E-23	-0.35869	hypo	sig	chr17_78665985
chr10	43846534	43846534	+	2.631E-24	9.8649E-23	-0.40361	hypo	sig	chr10_43846534
chr16	70725944	70725944	+	2.633E-24	9.8707E-23	0.455056	hyper	sig	chr16_70725944
chr10	1.16E+08	116273778	+	2.639E-24	9.891E-23	0.291641	hyper	sig	chr10_116273778
chr13	1.14E+08	114121717	+	2.647E-24	9.9241E-23	-0.33407	hypo	sig	chr13_114121717
chr7	1.28E+08	128104421	+	2.648E-24	9.9243E-23	0.243536	hyper	sig	chr7_128104421
chr13	50126481	50126481	+	2.65E-24	9.9331E-23	-0.22661	hypo	sig	chr13_50126481
chr8	76683154	76683154	+	2.656E-24	9.9532E-23	0.338915	hyper	sig	chr8_76683154
chr1	1.22E+08	121519667	+	2.663E-24	9.9799E-23	0.243152	hyper	sig	chr1_121519667
chr22	50705592	50705592	+	2.666E-24	9.9902E-23	0.330635	hyper	sig	chr22_50705592
chr3	1.26E+08	125698557	+	2.667E-24	9.9946E-23	-0.29144	hypo	sig	chr3_125698557
chr14	94936796	94936796	+	2.667E-24	9.9953E-23	0.319191	hyper	sig	chr14_94936796
chr16	1436104	1436104	+	2.67E-24	1.0005E-22	-0.32335	hypo	sig	chr16_1436104
chr6	29553299	29553299	+	2.671E-24	1.0009E-22	0.320751	hyper	sig	chr6_29553299
chr12	2961240	2961240	+	2.672E-24	1.0011E-22	-0.30911	hypo	sig	chr12_2961240
chr3	43056502	43056502	+	2.678E-24	1.0033E-22	-0.30195	hypo	sig	chr3_43056502
chr16	89202281	89202281	+	2.682E-24	1.0047E-22	0.274398	hyper	sig	chr16_89202281
chr6	36336906	36336906	+	2.682E-24	1.0047E-22	-0.25295	hypo	sig	chr6_36336906
chr16	15146480	15146480	+	2.683E-24	1.0049E-22	0.263674	hyper	sig	chr16_15146480
chr4	54232154	54232154	+	2.686E-24	1.0061E-22	0.328456	hyper	sig	chr4_54232154
chr1	9183658	9183658	+	2.687E-24	1.0065E-22	0.275611	hyper	sig	chr1_9183658

chr3	1.77E+08	177201809	+	2.693E-24	1.0085E-22	-0.3106	hypo	sig	chr3_177201809
chr6	3722880	3722880	+	2.693E-24	1.0087E-22	0.272125	hyper	sig	chr6_3722880
chr20	62740056	62740056	+	2.695E-24	1.0094E-22	-0.31659	hypo	sig	chr20_62740056
chr12	1.32E+08	131617643	+	2.696E-24	1.0095E-22	-0.39887	hypo	sig	chr12_131617643
chr4	42152833	42152833	+	2.696E-24	1.0095E-22	0.278141	hyper	sig	chr4_42152833
chr6	1.08E+08	108171162	+	2.696E-24	1.0096E-22	0.357696	hyper	sig	chr6_108171162
chr6	26225404	26225404	+	2.697E-24	1.0097E-22	0.283461	hyper	sig	chr6_26225404
chr10	1.33E+08	133087711	+	2.703E-24	1.0119E-22	0.266393	hyper	sig	chr10_133087711
chr4	1.22E+08	121765374	+	2.712E-24	1.0155E-22	0.268455	hyper	sig	chr4_121765374
chr11	8018987	8018987	+	2.714E-24	1.0162E-22	0.208501	hyper	sig	chr11_8018987
chr12	1.14E+08	114404175	+	2.716E-24	1.0169E-22	0.226671	hyper	sig	chr12_114404175
chr19	39197274	39197274	+	2.717E-24	1.0173E-22	0.238989	hyper	sig	chr19_39197274
chr1	1.44E+08	143651861	+	2.718E-24	1.0174E-22	0.341583	hyper	sig	chr1_143651861
chr7	1.56E+08	155533117	+	2.721E-24	1.0185E-22	0.262886	hyper	sig	chr7_155533117
chr6	10390597	10390597	+	2.721E-24	1.0185E-22	0.316189	hyper	sig	chr6_10390597
chr2	1480353	1480353	+	2.723E-24	1.0193E-22	-0.3302	hypo	sig	chr2_1480353
chr12	75209247	75209247	+	2.724E-24	1.0193E-22	0.342404	hyper	sig	chr12_75209247
chr2	2.19E+08	219451678	+	2.724E-24	1.0193E-22	0.345221	hyper	sig	chr2_219451678
chr1	26862779	26862779	+	2.724E-24	1.0195E-22	-0.27841	hypo	sig	chr1_26862779
chr6	27275209	27275209	+	2.728E-24	1.0209E-22	0.289011	hyper	sig	chr6_27275209
chr5	1.41E+08	141383124	+	2.729E-24	1.0211E-22	0.297269	hyper	sig	chr5_141383124
chr8	64578074	64578074	+	2.733E-24	1.0227E-22	0.30177	hyper	sig	chr8_64578074
chr7	24978999	24978999	+	2.737E-24	1.0242E-22	-0.30856	hypo	sig	chr7_24978999
chr19	1876645	1876645	+	2.739E-24	1.0246E-22	0.311655	hyper	sig	chr19_1876645
chr2	2.22E+08	222304253	+	2.742E-24	1.0257E-22	0.244229	hyper	sig	chr2_222304253
chr17	79408473	79408473	+	2.742E-24	1.0258E-22	-0.26002	hypo	sig	chr17_79408473
chr2	1.92E+08	191885882	+	2.743E-24	1.0261E-22	-0.34609	hypo	sig	chr2_191885882
chr5	173085	173085	+	2.745E-24	1.0268E-22	-0.36742	hypo	sig	chr5_173085
chr5	1.46E+08	146339420	+	2.746E-24	1.027E-22	0.344145	hyper	sig	chr5_146339420
chr11	43581307	43581307	+	2.748E-24	1.0279E-22	0.336431	hyper	sig	chr11_43581307
chr1	6276497	6276497	+	2.749E-24	1.0281E-22	0.305844	hyper	sig	chr1_6276497
chr11	32434227	32434227	+	2.75E-24	1.0285E-22	0.327489	hyper	sig	chr11_32434227
chr11	95041316	95041316	+	2.757E-24	1.031E-22	-0.29802	hypo	sig	chr11_95041316
chr19	44448475	44448475	+	2.757E-24	1.0311E-22	0.255924	hyper	sig	chr19_44448475
chr10	93065851	93065851	+	2.759E-24	1.0317E-22	0.349001	hyper	sig	chr10_93065851
chr2	1.87E+08	187002634	+	2.76E-24	1.0321E-22	-0.30744	hypo	sig	chr2_187002634
chr1	16939021	16939021	+	2.765E-24	1.0339E-22	0.333894	hyper	sig	chr1_16939021
chr16	67944547	67944547	+	2.773E-24	1.0367E-22	0.379016	hyper	sig	chr16_67944547
chr15	82648549	82648549	+	2.774E-24	1.0371E-22	0.369873	hyper	sig	chr15_82648549
chr14	56797296	56797296	+	2.777E-24	1.0382E-22	0.314936	hyper	sig	chr14_56797296
chr7	1.01E+08	100865868	+	2.779E-24	1.0389E-22	-0.32697	hypo	sig	chr7_100865868
chr12	52116087	52116087	+	2.783E-24	1.0404E-22	-0.27641	hypo	sig	chr12_52116087
chr5	1.5E+08	150186377	+	2.786E-24	1.0414E-22	-0.24444	hypo	sig	chr5_150186377
chr20	56626977	56626977	+	2.787E-24	1.0418E-22	0.378167	hyper	sig	chr20_56626977
chr6	50849772	50849772	+	2.789E-24	1.0423E-22	0.253218	hyper	sig	chr6_50849772
chr1	85582275	85582275	+	2.789E-24	1.0426E-22	0.294248	hyper	sig	chr1_85582275
chr3	51984113	51984113	+	2.791E-24	1.0431E-22	-0.31372	hypo	sig	chr3_51984113
chr16	1184798	1184798	+	2.792E-24	1.0435E-22	-0.31091	hypo	sig	chr16_1184798
chr19	3821384	3821384	+	2.795E-24	1.0445E-22	-0.39784	hypo	sig	chr19_3821384
chr3	61564852	61564852	+	2.795E-24	1.0445E-22	0.297362	hyper	sig	chr3_61564852
chr20	21706742	21706742	+	2.802E-24	1.047E-22	0.315597	hyper	sig	chr20_21706742
chr14	69401113	69401113	+	2.803E-24	1.0473E-22	-0.23795	hypo	sig	chr14_69401113
chr11	67044791	67044791	+	2.805E-24	1.0481E-22	-0.31856	hypo	sig	chr11_67044791
chr19	9498621	9498621	+	2.807E-24	1.0487E-22	0.356587	hyper	sig	chr19_9498621
chr5	1.42E+08	142314313	+	2.819E-24	1.0533E-22	0.269534	hyper	sig	chr5_142314313
chr13	1.12E+08	111640259	+	2.822E-24	1.0543E-22	-0.30276	hypo	sig	chr13_111640259

chr8	52939810	52939810	+	2.828E-24	1.0565E-22	0.410953	hyper	sig	chr8_52939810
chr10	44279550	44279550	+	2.828E-24	1.0565E-22	-0.33169	hypo	sig	chr10_44279550
chr11	2328368	2328368	+	2.838E-24	1.0601E-22	-0.25439	hypo	sig	chr11_2328368
chr2	1.01E+08	101480897	+	2.84E-24	1.0608E-22	-0.30673	hypo	sig	chr2_101480897
chr13	27795498	27795498	+	2.842E-24	1.0614E-22	0.256216	hyper	sig	chr13_27795498
chr10	23173308	23173308	+	2.85E-24	1.0643E-22	0.337424	hyper	sig	chr10_23173308
chr10	1.12E+08	112375501	+	2.85E-24	1.0644E-22	-0.30166	hypo	sig	chr10_112375501
chr2	2.33E+08	232636962	+	2.851E-24	1.0645E-22	-0.2573	hypo	sig	chr2_232636962
chr17	18634729	18634729	+	2.852E-24	1.0651E-22	0.245976	hyper	sig	chr17_18634729
chr7	3095055	3095055	+	2.855E-24	1.0659E-22	-0.28541	hypo	sig	chr7_3095055
chr9	91885388	91885388	+	2.858E-24	1.0673E-22	-0.38408	hypo	sig	chr9_91885388
chr2	26693622	26693622	+	2.86E-24	1.0677E-22	0.256162	hyper	sig	chr2_26693622
chr12	1.28E+08	128366055	+	2.86E-24	1.0678E-22	0.291682	hyper	sig	chr12_128366055
chr17	4785409	4785409	+	2.861E-24	1.068E-22	0.245305	hyper	sig	chr17_4785409
chr16	17469083	17469083	+	2.862E-24	1.0683E-22	0.258995	hyper	sig	chr16_17469083
chr2	1.19E+08	118856938	+	2.866E-24	1.07E-22	0.244909	hyper	sig	chr2_118856938
chr16	3189294	3189294	+	2.867E-24	1.0703E-22	0.293308	hyper	sig	chr16_3189294
chr20	4824085	4824085	+	2.869E-24	1.0708E-22	0.318846	hyper	sig	chr20_4824085
chr11	8037134	8037134	+	2.87E-24	1.0711E-22	-0.30657	hypo	sig	chr11_8037134
chr5	77643673	77643673	+	2.87E-24	1.0713E-22	0.245296	hyper	sig	chr5_77643673
chr13	1.13E+08	112997780	+	2.872E-24	1.072E-22	-0.27758	hypo	sig	chr13_112997780
chr14	23989178	23989178	+	2.876E-24	1.0734E-22	-0.2348	hypo	sig	chr14_23989178
chr1	2E+08	200038478	+	2.877E-24	1.0735E-22	0.302523	hyper	sig	chr1_200038478
chr14	1.04E+08	104450847	+	2.877E-24	1.0737E-22	0.28576	hyper	sig	chr14_104450847
chr8	64368867	64368867	+	2.884E-24	1.0763E-22	0.251413	hyper	sig	chr8_64368867
chr1	27403467	27403467	+	2.886E-24	1.0767E-22	0.325565	hyper	sig	chr1_27403467
chr11	1.18E+08	117875735	+	2.888E-24	1.0776E-22	0.222491	hyper	sig	chr11_117875735
chr3	49903015	49903015	+	2.891E-24	1.0785E-22	-0.37325	hypo	sig	chr3_49903015
chr19	57130457	57130457	+	2.891E-24	1.0785E-22	-0.31388	hypo	sig	chr19_57130457
chr12	54053993	54053993	+	2.894E-24	1.0796E-22	0.300722	hyper	sig	chr12_54053993
chr14	1.04E+08	103879580	+	2.897E-24	1.0806E-22	-0.32755	hypo	sig	chr14_103879580
chr17	75587864	75587864	+	2.898E-24	1.081E-22	0.2787	hyper	sig	chr17_75587864
chr8	11783451	11783451	+	2.903E-24	1.0826E-22	-0.29356	hypo	sig	chr8_11783451
chr8	964583	964583	+	2.907E-24	1.0841E-22	0.291652	hyper	sig	chr8_964583
chr8	48394529	48394529	+	2.908E-24	1.0847E-22	-0.25382	hypo	sig	chr8_48394529
chr13	23392112	23392112	+	2.909E-24	1.0848E-22	-0.32808	hypo	sig	chr13_23392112
chr5	1.39E+08	139246454	+	2.913E-24	1.0862E-22	-0.38174	hypo	sig	chr5_139246454
chr13	27926718	27926718	+	2.914E-24	1.0867E-22	0.398284	hyper	sig	chr13_27926718
chr2	96527886	96527886	+	2.921E-24	1.0893E-22	0.320228	hyper	sig	chr2_96527886
chr4	1.11E+08	110639914	+	2.922E-24	1.0894E-22	0.304592	hyper	sig	chr4_110639914
chr14	1.02E+08	101928074	+	2.935E-24	1.0944E-22	0.261048	hyper	sig	chr14_101928074
chr7	85185887	85185887	+	2.937E-24	1.095E-22	0.25705	hyper	sig	chr7_85185887
chr21	42641468	42641468	+	2.939E-24	1.0956E-22	0.369848	hyper	sig	chr21_42641468
chr15	67049672	67049672	+	2.939E-24	1.0957E-22	-0.29908	hypo	sig	chr15_67049672
chr1	2.28E+08	228212549	+	2.945E-24	1.0979E-22	0.408642	hyper	sig	chr1_228212549
chr12	53952045	53952045	+	2.945E-24	1.0979E-22	0.251942	hyper	sig	chr12_53952045
chr1	27006702	27006702	+	2.952E-24	1.1002E-22	0.249897	hyper	sig	chr1_27006702
chr10	50674959	50674959	+	2.952E-24	1.1003E-22	-0.36031	hypo	sig	chr10_50674959
chr19	19121104	19121104	+	2.954E-24	1.1009E-22	0.253807	hyper	sig	chr19_19121104
chr13	1.1E+08	110129344	+	2.956E-24	1.1018E-22	-0.35988	hypo	sig	chr13_110129344
chr19	48414938	48414938	+	2.96E-24	1.103E-22	0.40402	hyper	sig	chr19_48414938
chr12	52777447	52777447	+	2.961E-24	1.1033E-22	-0.32811	hypo	sig	chr12_52777447
chr7	1.57E+08	157020286	+	2.961E-24	1.1033E-22	0.319679	hyper	sig	chr7_157020286
chr6	1.68E+08	168416619	+	2.963E-24	1.104E-22	-0.28281	hypo	sig	chr6_168416619
chr6	33080983	33080983	+	2.966E-24	1.1052E-22	0.442351	hyper	sig	chr6_33080983
chr2	1.82E+08	181682936	+	2.972E-24	1.1072E-22	0.396121	hyper	sig	chr2_181682936

chr5	88678141	88678141	+	2.974E-24	1.108E-22	0.370881	hyper	sig	chr5_88678141
chr7	26620613	26620613	+	2.976E-24	1.1088E-22	-0.30039	hypo	sig	chr7_26620613
chr13	27975534	27975534	+	2.976E-24	1.1088E-22	0.326566	hyper	sig	chr13_27975534
chr17	45395559	45395559	+	2.979E-24	1.1096E-22	0.38738	hyper	sig	chr17_45395559
chr2	25252936	25252936	+	2.98E-24	1.11E-22	0.395241	hyper	sig	chr2_25252936
chr1	1.46E+08	146486619	+	2.981E-24	1.1102E-22	0.450897	hyper	sig	chr1_146486619
chr14	69247672	69247672	+	2.984E-24	1.1114E-22	0.257828	hyper	sig	chr14_69247672
chr6	1.61E+08	160679391	+	2.985E-24	1.1118E-22	0.358292	hyper	sig	chr6_160679391
chr5	6631687	6631687	+	2.987E-24	1.1123E-22	-0.31215	hypo	sig	chr5_6631687
chr6	99607246	99607246	+	2.993E-24	1.1147E-22	0.289008	hyper	sig	chr6_99607246
chr14	36517189	36517189	+	2.995E-24	1.1153E-22	0.317467	hyper	sig	chr14_36517189
chr7	1.58E+08	158443442	+	3.004E-24	1.1184E-22	-0.26584	hypo	sig	chr7_158443442
chr17	13602482	13602482	+	3.004E-24	1.1186E-22	0.309045	hyper	sig	chr17_13602482
chr13	22898238	22898238	+	3.013E-24	1.1219E-22	-0.3862	hypo	sig	chr13_22898238
chr2	73291637	73291637	+	3.019E-24	1.1241E-22	0.31064	hyper	sig	chr2_73291637
chr1	1.19E+08	118989055	+	3.024E-24	1.1258E-22	0.364797	hyper	sig	chr1_118989055
chr10	97936439	97936439	+	3.026E-24	1.1265E-22	-0.3977	hypo	sig	chr10_97936439
chr4	17781733	17781733	+	3.027E-24	1.1269E-22	0.283736	hyper	sig	chr4_17781733
chr12	1.24E+08	124426839	+	3.03E-24	1.1278E-22	0.259952	hyper	sig	chr12_124426839
chr1	14599033	14599033	+	3.034E-24	1.1291E-22	0.272468	hyper	sig	chr1_14599033
chr1	17606134	17606134	+	3.034E-24	1.1294E-22	0.317178	hyper	sig	chr1_17606134
chr2	2.37E+08	236769481	+	3.035E-24	1.1294E-22	-0.36479	hypo	sig	chr2_236769481
chr4	7425604	7425604	+	3.035E-24	1.1294E-22	-0.31999	hypo	sig	chr4_7425604
chr2	1.24E+08	124025643	+	3.039E-24	1.1309E-22	0.404639	hyper	sig	chr2_124025643
chr16	86087890	86087890	+	3.041E-24	1.1316E-22	-0.37196	hypo	sig	chr16_86087890
chr5	1.79E+08	178994286	+	3.041E-24	1.1316E-22	0.388251	hyper	sig	chr5_178994286
chr1	15214863	15214863	+	3.043E-24	1.1323E-22	0.32968	hyper	sig	chr1_15214863
chr10	1.3E+08	129969827	+	3.046E-24	1.1332E-22	0.262678	hyper	sig	chr10_129969827
chr14	85534129	85534129	+	3.047E-24	1.1335E-22	0.363994	hyper	sig	chr14_85534129
chr5	1.79E+08	178941292	+	3.048E-24	1.1341E-22	0.347394	hyper	sig	chr5_178941292
chr4	1.25E+08	125317748	+	3.05E-24	1.1349E-22	0.271596	hyper	sig	chr4_125317748
chr16	86495361	86495361	+	3.053E-24	1.1357E-22	0.376525	hyper	sig	chr16_86495361
chr2	96859155	96859155	+	3.055E-24	1.1365E-22	0.298239	hyper	sig	chr2_96859155
chr2	1E+08	100391715	+	3.064E-24	1.1397E-22	-0.35101	hypo	sig	chr2_100391715
chr2	74436297	74436297	+	3.066E-24	1.1405E-22	0.231515	hyper	sig	chr2_74436297
chr13	1.1E+08	110379808	+	3.067E-24	1.1407E-22	-0.33086	hypo	sig	chr13_110379808
chr10	43790433	43790433	+	3.068E-24	1.1409E-22	-0.3738	hypo	sig	chr10_43790433
chr15	29115664	29115664	+	3.071E-24	1.1421E-22	0.328904	hyper	sig	chr15_29115664
chr19	53308696	53308696	+	3.073E-24	1.1428E-22	0.305178	hyper	sig	chr19_53308696
chr4	1.55E+08	154744680	+	3.073E-24	1.143E-22	0.295609	hyper	sig	chr4_154744680
chr7	1.46E+08	146116416	+	3.077E-24	1.1442E-22	0.25442	hyper	sig	chr7_146116416
chr8	64586216	64586216	+	3.077E-24	1.1442E-22	0.343826	hyper	sig	chr8_64586216
chr15	88255646	88255646	+	3.079E-24	1.1447E-22	0.266341	hyper	sig	chr15_88255646
chr1	2.36E+08	236396171	+	3.08E-24	1.1453E-22	0.269048	hyper	sig	chr1_236396171
chr16	85845395	85845395	+	3.088E-24	1.1479E-22	0.342537	hyper	sig	chr16_85845395
chr5	1.35E+08	135039070	+	3.088E-24	1.1481E-22	0.417705	hyper	sig	chr5_135039070
chr10	79178945	79178945	+	3.101E-24	1.1527E-22	0.301659	hyper	sig	chr10_79178945
chr11	20208333	20208333	+	3.103E-24	1.1534E-22	0.329696	hyper	sig	chr11_20208333
chr13	43415001	43415001	+	3.105E-24	1.154E-22	-0.32212	hypo	sig	chr13_43415001
chr8	1.01E+08	100726499	+	3.105E-24	1.1542E-22	-0.27445	hypo	sig	chr8_100726499
chr3	45026051	45026051	+	3.107E-24	1.1548E-22	0.296373	hyper	sig	chr3_45026051
chr6	15505283	15505283	+	3.115E-24	1.1578E-22	0.381856	hyper	sig	chr6_15505283
chr11	1932547	1932547	+	3.123E-24	1.1607E-22	-0.37716	hypo	sig	chr11_1932547
chr17	75646467	75646467	+	3.124E-24	1.1608E-22	-0.26558	hypo	sig	chr17_75646467
chr6	32084596	32084596	+	3.125E-24	1.1611E-22	-0.23431	hypo	sig	chr6_32084596
chr7	4210548	4210548	+	3.125E-24	1.1613E-22	-0.26065	hypo	sig	chr7_4210548

chr19	12514622	12514622	+	3.13E-24	1.1631E-22	-0.31846	hypo	sig	chr19_12514622
chr15	59994297	59994297	+	3.133E-24	1.1642E-22	0.341085	hyper	sig	chr15_59994297
chr10	1.28E+08	127737634	+	3.136E-24	1.1651E-22	0.316238	hyper	sig	chr10_127737634
chr1	1.48E+08	148317416	+	3.137E-24	1.1652E-22	0.282559	hyper	sig	chr1_148317416
chr2	1E+08	100393386	+	3.138E-24	1.1656E-22	-0.2245	hypo	sig	chr2_100393386
chr10	1.17E+08	117132057	+	3.138E-24	1.1658E-22	0.35849	hyper	sig	chr10_117132057
chr22	45010684	45010684	+	3.147E-24	1.1691E-22	0.253989	hyper	sig	chr22_45010684
chr3	1.39E+08	138936933	+	3.151E-24	1.1706E-22	0.258014	hyper	sig	chr3_138936933
chr7	97022230	97022230	+	3.152E-24	1.1708E-22	0.30195	hyper	sig	chr7_97022230
chr1	1.19E+08	119000647	+	3.153E-24	1.171E-22	0.257415	hyper	sig	chr1_119000647
chr3	1.73E+08	173397981	+	3.156E-24	1.1722E-22	0.216188	hyper	sig	chr3_173397981
chr4	1.55E+08	155376453	+	3.173E-24	1.1782E-22	0.313447	hyper	sig	chr4_155376453
chr5	1.81E+08	181195129	+	3.173E-24	1.1782E-22	0.283984	hyper	sig	chr5_181195129
chr19	1993137	1993137	+	3.174E-24	1.1787E-22	-0.26821	hypo	sig	chr19_1993137
chr2	1654480	1654480	+	3.177E-24	1.1797E-22	-0.35605	hypo	sig	chr2_1654480
chr8	48870497	48870497	+	3.178E-24	1.1799E-22	0.39168	hyper	sig	chr8_48870497
chr19	13002060	13002060	+	3.18E-24	1.1805E-22	0.369739	hyper	sig	chr19_13002060
chr17	81992421	81992421	+	3.18E-24	1.1806E-22	0.283345	hyper	sig	chr17_81992421
chr11	1.19E+08	119422060	+	3.185E-24	1.1823E-22	0.211032	hyper	sig	chr11_119422060
chr2	1.01E+08	101475145	+	3.189E-24	1.1838E-22	-0.30486	hypo	sig	chr2_101475145
chr16	1255812	1255812	+	3.192E-24	1.1848E-22	-0.29718	hypo	sig	chr16_1255812
chr19	1272841	1272841	+	3.194E-24	1.1855E-22	0.25057	hyper	sig	chr19_1272841
chr13	27794995	27794995	+	3.195E-24	1.1858E-22	0.40039	hyper	sig	chr13_27794995
chr22	24427487	24427487	+	3.197E-24	1.1866E-22	-0.34908	hypo	sig	chr22_24427487
chr5	1.29E+08	128537797	+	3.207E-24	1.1902E-22	0.301604	hyper	sig	chr5_128537797
chr2	31580946	31580946	+	3.207E-24	1.1902E-22	0.341611	hyper	sig	chr2_31580946
chr4	1.39E+08	139279554	+	3.208E-24	1.1905E-22	0.22426	hyper	sig	chr4_139279554
chr16	23836295	23836295	+	3.21E-24	1.191E-22	0.231068	hyper	sig	chr16_23836295
chr6	27566358	27566358	+	3.21E-24	1.191E-22	0.353978	hyper	sig	chr6_27566358
chr15	76994997	76994997	+	3.213E-24	1.1921E-22	-0.32529	hypo	sig	chr15_76994997
chr19	53159237	53159237	+	3.214E-24	1.1924E-22	0.207623	hyper	sig	chr19_53159237
chr11	70457460	70457460	+	3.218E-24	1.1936E-22	-0.30333	hypo	sig	chr11_70457460
chr17	40779705	40779705	+	3.218E-24	1.1936E-22	0.276883	hyper	sig	chr17_40779705
chr1	76867453	76867453	+	3.222E-24	1.1951E-22	0.223233	hyper	sig	chr1_76867453
chr7	1513567	1513567	+	3.223E-24	1.1953E-22	-0.2997	hypo	sig	chr7_1513567
chr1	3245924	3245924	+	3.225E-24	1.196E-22	0.256302	hyper	sig	chr1_3245924
chr7	27143941	27143941	+	3.227E-24	1.197E-22	0.352756	hyper	sig	chr7_27143941
chr19	4531809	4531809	+	3.232E-24	1.1985E-22	-0.22762	hypo	sig	chr19_4531809
chr2	1.01E+08	100821412	+	3.232E-24	1.1987E-22	-0.21365	hypo	sig	chr2_100821412
chr5	1.41E+08	141361755	+	3.235E-24	1.1996E-22	0.312099	hyper	sig	chr5_141361755
chr13	77918931	77918931	+	3.235E-24	1.1997E-22	0.285859	hyper	sig	chr13_77918931
chr1	75127911	75127911	+	3.237E-24	1.2004E-22	0.239252	hyper	sig	chr1_75127911
chr3	27729918	27729918	+	3.239E-24	1.2011E-22	0.340104	hyper	sig	chr3_27729918
chr15	92398759	92398759	+	3.242E-24	1.202E-22	-0.35929	hypo	sig	chr15_92398759
chr1	50417634	50417634	+	3.252E-24	1.2058E-22	0.27637	hyper	sig	chr1_50417634
chr6	84772866	84772866	+	3.256E-24	1.2069E-22	0.336781	hyper	sig	chr6_84772866
chr15	96417013	96417013	+	3.256E-24	1.207E-22	0.319432	hyper	sig	chr15_96417013
chr19	18918385	18918385	+	3.257E-24	1.2072E-22	-0.33555	hypo	sig	chr19_18918385
chr3	1.34E+08	134358202	+	3.267E-24	1.2109E-22	0.367423	hyper	sig	chr3_134358202
chr7	4725310	4725310	+	3.267E-24	1.2109E-22	0.280418	hyper	sig	chr7_4725310
chr20	63084605	63084605	+	3.275E-24	1.214E-22	-0.35052	hypo	sig	chr20_63084605
chr15	52785853	52785853	+	3.278E-24	1.2148E-22	0.23126	hyper	sig	chr15_52785853
chr3	1.38E+08	137761959	+	3.278E-24	1.2149E-22	0.345971	hyper	sig	chr3_137761959
chr16	54936520	54936520	+	3.28E-24	1.2157E-22	0.269608	hyper	sig	chr16_54936520
chr10	1.29E+08	128541059	+	3.283E-24	1.2165E-22	0.313681	hyper	sig	chr10_128541059
chr4	42152835	42152835	+	3.283E-24	1.2167E-22	0.276617	hyper	sig	chr4_42152835

chr8	26049740	26049740	+	3.285E-24	1.2172E-22	0.269199	hyper	sig	chr8_26049740
chr5	1.41E+08	141370178	+	3.287E-24	1.2179E-22	0.280661	hyper	sig	chr5_141370178
chr1	7784749	7784749	+	3.288E-24	1.2182E-22	0.361784	hyper	sig	chr1_7784749
chr5	55220998	55220998	+	3.289E-24	1.2186E-22	0.286082	hyper	sig	chr5_55220998
chr7	70596696	70596696	+	3.291E-24	1.219E-22	-0.33328	hypo	sig	chr7_70596696
chr17	17811063	17811063	+	3.291E-24	1.2193E-22	0.27869	hyper	sig	chr17_17811063
chr15	65374302	65374302	+	3.293E-24	1.2197E-22	-0.28257	hypo	sig	chr15_65374302
chr7	19118442	19118442	+	3.296E-24	1.2207E-22	0.312774	hyper	sig	chr7_19118442
chr20	6769970	6769970	+	3.297E-24	1.2211E-22	0.289791	hyper	sig	chr20_6769970
chr1	1.21E+08	121118211	+	3.302E-24	1.2232E-22	0.303262	hyper	sig	chr1_121118211
chr19	2491308	2491308	+	3.305E-24	1.2239E-22	-0.33455	hypo	sig	chr19_2491308
chr10	1.18E+08	117734991	+	3.308E-24	1.2251E-22	0.277883	hyper	sig	chr10_117734991
chr5	1.56E+08	155728820	+	3.309E-24	1.2255E-22	0.307043	hyper	sig	chr5_155728820
chr20	23049637	23049637	+	3.311E-24	1.2263E-22	0.310508	hyper	sig	chr20_23049637
chr4	72032006	72032006	+	3.313E-24	1.2269E-22	0.369233	hyper	sig	chr4_72032006
chr12	1.33E+08	132908241	+	3.316E-24	1.228E-22	0.22698	hyper	sig	chr12_132908241
chr7	4725641	4725641	+	3.318E-24	1.2285E-22	0.286039	hyper	sig	chr7_4725641
chr13	27975618	27975618	+	3.319E-24	1.229E-22	0.331512	hyper	sig	chr13_27975618
chr2	86789130	86789130	+	3.33E-24	1.2328E-22	0.323759	hyper	sig	chr2_86789130
chr5	1.71E+08	171308233	+	3.331E-24	1.2331E-22	0.276687	hyper	sig	chr5_171308233
chr16	57797903	57797903	+	3.336E-24	1.2348E-22	-0.33761	hypo	sig	chr16_57797903
chr12	1.03E+08	102962265	+	3.343E-24	1.2375E-22	0.260957	hyper	sig	chr12_102962265
chr6	1.08E+08	108174768	+	3.345E-24	1.2383E-22	0.30554	hyper	sig	chr6_108174768
chr17	36933986	36933986	+	3.346E-24	1.2386E-22	0.325064	hyper	sig	chr17_36933986
chr6	50715880	50715880	+	3.349E-24	1.2396E-22	0.375734	hyper	sig	chr6_50715880
chr11	71206474	71206474	+	3.35E-24	1.2399E-22	0.244945	hyper	sig	chr11_71206474
chr4	1.33E+08	133146848	+	3.356E-24	1.242E-22	0.220296	hyper	sig	chr4_133146848
chr11	1305278	1305278	+	3.359E-24	1.2432E-22	-0.27947	hypo	sig	chr11_1305278
chr11	95041250	95041250	+	3.362E-24	1.2441E-22	-0.24986	hypo	sig	chr11_95041250
chr2	2.19E+08	219452701	+	3.363E-24	1.2444E-22	0.360968	hyper	sig	chr2_219452701
chr2	2.08E+08	207926869	+	3.365E-24	1.245E-22	0.290218	hyper	sig	chr2_207926869
chr21	33020065	33020065	+	3.365E-24	1.2452E-22	0.255392	hyper	sig	chr21_33020065
chr3	1.13E+08	113441522	+	3.367E-24	1.2457E-22	0.331468	hyper	sig	chr3_113441522
chr14	85534133	85534133	+	3.368E-24	1.2461E-22	0.377929	hyper	sig	chr14_85534133
chr14	74240182	74240182	+	3.37E-24	1.2467E-22	0.278887	hyper	sig	chr14_74240182
chr2	2.39E+08	239247425	+	3.375E-24	1.2486E-22	-0.33436	hypo	sig	chr2_239247425
chr6	37538627	37538627	+	3.377E-24	1.2493E-22	-0.40459	hypo	sig	chr6_37538627
chr20	63775080	63775080	+	3.386E-24	1.2525E-22	0.290576	hyper	sig	chr20_63775080
chr5	73296876	73296876	+	3.39E-24	1.2538E-22	-0.29657	hypo	sig	chr5_73296876
chr7	923697	923697	+	3.391E-24	1.2542E-22	-0.32448	hypo	sig	chr7_923697
chr1	1.19E+08	118984488	+	3.392E-24	1.2544E-22	0.257097	hyper	sig	chr1_118984488
chr1	2.36E+08	236065504	+	3.4E-24	1.2575E-22	0.274604	hyper	sig	chr1_236065504
chr17	37360870	37360870	+	3.408E-24	1.2602E-22	-0.32715	hypo	sig	chr17_37360870
chr8	26048279	26048279	+	3.412E-24	1.2616E-22	0.316699	hyper	sig	chr8_26048279
chr11	1.34E+08	134471493	+	3.417E-24	1.2633E-22	0.318388	hyper	sig	chr11_134471493
chr17	82236798	82236798	+	3.421E-24	1.2649E-22	0.370209	hyper	sig	chr17_82236798
chr2	1.37E+08	136766117	+	3.426E-24	1.2667E-22	0.32777	hyper	sig	chr2_136766117
chr1	1.56E+08	156076568	+	3.43E-24	1.2683E-22	0.327584	hyper	sig	chr1_156076568
chr11	19714134	19714134	+	3.433E-24	1.269E-22	0.28453	hyper	sig	chr11_19714134
chr7	45922264	45922264	+	3.437E-24	1.2707E-22	0.231592	hyper	sig	chr7_45922264
chr20	63273955	63273955	+	3.438E-24	1.2709E-22	-0.33989	hypo	sig	chr20_63273955
chr6	1.7E+08	170046250	+	3.438E-24	1.271E-22	0.359368	hyper	sig	chr6_170046250
chr14	36663883	36663883	+	3.441E-24	1.272E-22	0.308368	hyper	sig	chr14_36663883
chr5	37838239	37838239	+	3.445E-24	1.2734E-22	0.22853	hyper	sig	chr5_37838239
chr7	1.56E+08	155922441	+	3.449E-24	1.2747E-22	-0.30838	hypo	sig	chr7_155922441
chr8	38650557	38650557	+	3.449E-24	1.2748E-22	0.272115	hyper	sig	chr8_38650557

chr5	1.41E+08	141403150	+	3.451E-24	1.2753E-22	0.327308	hyper	sig	chr5_141403150
chr12	1.28E+08	128366125	+	3.451E-24	1.2753E-22	0.286788	hyper	sig	chr12_128366125
chr15	74125566	74125566	+	3.454E-24	1.2761E-22	-0.29664	hypo	sig	chr15_74125566
chr19	3669772	3669772	+	3.454E-24	1.2761E-22	0.380355	hyper	sig	chr19_3669772
chr7	1224454	1224454	+	3.454E-24	1.2762E-22	0.372998	hyper	sig	chr7_1224454
chr1	27403481	27403481	+	3.455E-24	1.2764E-22	0.315797	hyper	sig	chr1_27403481
chr1	45622828	45622828	+	3.462E-24	1.2789E-22	0.312232	hyper	sig	chr1_45622828
chr22	43397796	43397796	+	3.466E-24	1.2806E-22	-0.32207	hypo	sig	chr22_43397796
chr13	27929371	27929371	+	3.473E-24	1.2828E-22	0.380204	hyper	sig	chr13_27929371
chr2	1.19E+08	118849834	+	3.473E-24	1.2831E-22	0.296404	hyper	sig	chr2_118849834
chr2	2.06E+08	205686736	+	3.477E-24	1.2842E-22	0.319472	hyper	sig	chr2_205686736
chr11	1.31E+08	131098757	+	3.479E-24	1.2849E-22	-0.40402	hypo	sig	chr11_131098757
chr7	99392220	99392220	+	3.48E-24	1.2853E-22	-0.30138	hypo	sig	chr7_99392220
chr3	1.22E+08	122183652	+	3.483E-24	1.2865E-22	0.205335	hyper	sig	chr3_122183652
chr6	1.68E+08	168079333	+	3.488E-24	1.2881E-22	-0.28201	hypo	sig	chr6_168079333
chr4	1534009	1534009	+	3.49E-24	1.2887E-22	0.347106	hyper	sig	chr4_1534009
chr6	30112453	30112453	+	3.49E-24	1.2887E-22	-0.27132	hypo	sig	chr6_30112453
chr11	78941149	78941149	+	3.494E-24	1.2903E-22	-0.3145	hypo	sig	chr11_78941149
chr15	28192013	28192013	+	3.494E-24	1.2903E-22	0.287161	hyper	sig	chr15_28192013
chr1	78045682	78045682	+	3.495E-24	1.2905E-22	-0.25081	hypo	sig	chr1_78045682
chr12	1.13E+08	112575712	+	3.497E-24	1.2913E-22	0.317358	hyper	sig	chr12_112575712
chr1	2.28E+08	228423528	+	3.498E-24	1.2914E-22	-0.30591	hypo	sig	chr1_228423528
chr2	1742527	1742527	+	3.507E-24	1.2946E-22	0.286506	hyper	sig	chr2_1742527
chr20	63178514	63178514	+	3.509E-24	1.2954E-22	0.298434	hyper	sig	chr20_63178514
chr11	23653414	23653414	+	3.516E-24	1.298E-22	-0.28223	hypo	sig	chr11_23653414
chr19	2278741	2278741	+	3.522E-24	1.3001E-22	-0.32596	hypo	sig	chr19_2278741
chr20	23049480	23049480	+	3.524E-24	1.3008E-22	0.290965	hyper	sig	chr20_23049480
chr7	1.3E+08	130486739	+	3.524E-24	1.3008E-22	-0.22067	hypo	sig	chr7_130486739
chr6	1.6E+08	160258798	+	3.528E-24	1.3021E-22	0.237362	hyper	sig	chr6_160258798
chr5	2756260	2756260	+	3.533E-24	1.3039E-22	0.364943	hyper	sig	chr5_2756260
chr11	844400	844400	+	3.534E-24	1.3041E-22	0.220668	hyper	sig	chr11_844400
chr12	1.14E+08	114439616	+	3.539E-24	1.3058E-22	0.347738	hyper	sig	chr12_114439616
chr8	1.41E+08	141141055	+	3.551E-24	1.3104E-22	0.308948	hyper	sig	chr8_141141055
chr10	34974178	34974178	+	3.552E-24	1.3107E-22	-0.3337	hypo	sig	chr10_34974178
chr12	94153157	94153157	+	3.553E-24	1.3107E-22	-0.29499	hypo	sig	chr12_94153157
chr10	1.01E+08	101227785	+	3.554E-24	1.3111E-22	0.34812	hyper	sig	chr10_101227785
chr13	1.02E+08	102401302	+	3.557E-24	1.3121E-22	0.328624	hyper	sig	chr13_102401302
chr11	1.19E+08	118971757	+	3.559E-24	1.3129E-22	0.340933	hyper	sig	chr11_118971757
chr2	1.82E+08	181678529	+	3.561E-24	1.3135E-22	0.297001	hyper	sig	chr2_181678529
chr17	78854165	78854165	+	3.571E-24	1.3173E-22	-0.25745	hypo	sig	chr17_78854165
chr1	1.51E+08	150513763	+	3.575E-24	1.3187E-22	-0.33716	hypo	sig	chr1_150513763
chr10	1.01E+08	101236797	+	3.575E-24	1.3187E-22	0.26314	hyper	sig	chr10_101236797
chr7	97022795	97022795	+	3.587E-24	1.3227E-22	0.288305	hyper	sig	chr7_97022795
chr12	1.13E+08	113476036	+	3.588E-24	1.3233E-22	0.325861	hyper	sig	chr12_113476036
chr4	55793632	55793632	+	3.591E-24	1.3241E-22	0.319905	hyper	sig	chr4_55793632
chr6	31946456	31946456	+	3.591E-24	1.3243E-22	-0.28697	hypo	sig	chr6_31946456
chr2	2.22E+08	222297096	+	3.592E-24	1.3245E-22	0.227138	hyper	sig	chr2_222297096
chr2	1.71E+08	170717320	+	3.592E-24	1.3246E-22	0.337106	hyper	sig	chr2_170717320
chr7	3302119	3302119	+	3.594E-24	1.3251E-22	0.252836	hyper	sig	chr7_3302119
chr6	72623121	72623121	+	3.596E-24	1.3259E-22	0.323302	hyper	sig	chr6_72623121
chr10	49612569	49612569	+	3.597E-24	1.326E-22	0.353414	hyper	sig	chr10_49612569
chr2	11612861	11612861	+	3.599E-24	1.3268E-22	-0.33135	hypo	sig	chr2_11612861
chr19	57320995	57320995	+	3.599E-24	1.3268E-22	0.200258	hyper	sig	chr19_57320995
chr2	2.02E+08	202171442	+	3.604E-24	1.3285E-22	0.257502	hyper	sig	chr2_202171442
chr7	118901	118901	+	3.607E-24	1.3297E-22	-0.28309	hypo	sig	chr7_118901
chr3	43998011	43998011	+	3.608E-24	1.3297E-22	0.280006	hyper	sig	chr3_43998011

chr19	18008262	18008262	+	3.609E-24	1.3303E-22	0.241014	hyper	sig	chr19_18008262
chr8	47763164	47763164	+	3.61E-24	1.3305E-22	0.289413	hyper	sig	chr8_47763164
chr6	29829434	29829434	+	3.62E-24	1.334E-22	-0.30967	hypo	sig	chr6_29829434
chr19	57727827	57727827	+	3.621E-24	1.3346E-22	0.220756	hyper	sig	chr19_57727827
chr16	66604421	66604421	+	3.624E-24	1.3354E-22	0.200021	hyper	sig	chr16_66604421
chr8	74985062	74985062	+	3.627E-24	1.3363E-22	0.293155	hyper	sig	chr8_74985062
chr7	1177236	1177236	+	3.63E-24	1.3376E-22	-0.20616	hypo	sig	chr7_1177236
chr11	65546556	65546556	+	3.632E-24	1.3382E-22	-0.22356	hypo	sig	chr11_65546556
chr19	10817535	10817535	+	3.635E-24	1.3394E-22	0.304939	hyper	sig	chr19_10817535
chr13	57629810	57629810	+	3.636E-24	1.3394E-22	0.38239	hyper	sig	chr13_57629810
chr9	1.33E+08	133161303	+	3.638E-24	1.3402E-22	-0.36753	hypo	sig	chr9_133161303
chr6	1.68E+08	168342963	+	3.639E-24	1.3405E-22	-0.30744	hypo	sig	chr6_168342963
chr6	28814149	28814149	+	3.642E-24	1.3417E-22	0.364539	hyper	sig	chr6_28814149
chr2	5888783	5888783	+	3.643E-24	1.342E-22	-0.31792	hypo	sig	chr2_5888783
chr11	1.27E+08	127000337	+	3.645E-24	1.3427E-22	0.233836	hyper	sig	chr11_127000337
chr3	1.47E+08	147388702	+	3.65E-24	1.3441E-22	0.252231	hyper	sig	chr3_147388702
chr11	1.21E+08	120721489	+	3.651E-24	1.3446E-22	-0.30174	hypo	sig	chr11_120721489
chr9	35676355	35676355	+	3.655E-24	1.346E-22	0.336088	hyper	sig	chr9_35676355
chr10	71613842	71613842	+	3.656E-24	1.3462E-22	-0.30634	hypo	sig	chr10_71613842
chr11	27720483	27720483	+	3.656E-24	1.3463E-22	0.34021	hyper	sig	chr11_27720483
chr19	1077223	1077223	+	3.661E-24	1.348E-22	-0.23869	hypo	sig	chr19_1077223
chr22	44729823	44729823	+	3.665E-24	1.3494E-22	0.359828	hyper	sig	chr22_44729823
chr13	1.1E+08	110434949	+	3.667E-24	1.3501E-22	-0.33343	hypo	sig	chr13_110434949
chr7	1.22E+08	122316614	+	3.673E-24	1.3523E-22	0.296651	hyper	sig	chr7_122316614
chr16	56625872	56625872	+	3.682E-24	1.3554E-22	0.317265	hyper	sig	chr16_56625872
chr19	2608545	2608545	+	3.683E-24	1.3557E-22	-0.41495	hypo	sig	chr19_2608545
chr19	11674247	11674247	+	3.695E-24	1.3601E-22	0.302193	hyper	sig	chr19_11674247
chr19	19860822	19860822	+	3.695E-24	1.3601E-22	0.32957	hyper	sig	chr19_19860822
chr4	84501133	84501133	+	3.7E-24	1.3619E-22	0.273198	hyper	sig	chr4_84501133
chr8	54457689	54457689	+	3.705E-24	1.3638E-22	0.335996	hyper	sig	chr8_54457689
chr2	80324288	80324288	+	3.708E-24	1.3646E-22	-0.39198	hypo	sig	chr2_80324288
chr4	1.74E+08	173519548	+	3.71E-24	1.3653E-22	0.330666	hyper	sig	chr4_173519548
chr20	38448105	38448105	+	3.715E-24	1.3671E-22	-0.28596	hypo	sig	chr20_38448105
chr8	64587284	64587284	+	3.72E-24	1.3691E-22	0.312625	hyper	sig	chr8_64587284
chr7	8443250	8443250	+	3.723E-24	1.3698E-22	0.429082	hyper	sig	chr7_8443250
chr11	31806443	31806443	+	3.724E-24	1.3704E-22	0.260979	hyper	sig	chr11_31806443
chr7	1.55E+08	155462421	+	3.725E-24	1.3706E-22	0.376794	hyper	sig	chr7_155462421
chr14	72812750	72812750	+	3.728E-24	1.3718E-22	0.264	hyper	sig	chr14_72812750
chr6	27275287	27275287	+	3.731E-24	1.3728E-22	0.219147	hyper	sig	chr6_27275287
chr10	1.24E+08	123666123	+	3.734E-24	1.3738E-22	0.316415	hyper	sig	chr10_123666123
chr3	1.85E+08	184583492	+	3.736E-24	1.3743E-22	0.411454	hyper	sig	chr3_184583492
chr1	1.19E+08	119006638	+	3.737E-24	1.3748E-22	0.271432	hyper	sig	chr1_119006638
chr10	1.28E+08	127737704	+	3.741E-24	1.3761E-22	0.284712	hyper	sig	chr10_127737704
chr13	52739760	52739760	+	3.741E-24	1.3761E-22	0.334054	hyper	sig	chr13_52739760
chr7	27143439	27143439	+	3.745E-24	1.3775E-22	0.364684	hyper	sig	chr7_27143439
chr7	19106632	19106632	+	3.746E-24	1.3777E-22	0.281212	hyper	sig	chr7_19106632
chr1	1.15E+08	114854871	+	3.747E-24	1.378E-22	0.330548	hyper	sig	chr1_114854871
chr13	1.13E+08	112649369	+	3.748E-24	1.3785E-22	-0.34461	hypo	sig	chr13_112649369
chr1	50427424	50427424	+	3.751E-24	1.3796E-22	0.257008	hyper	sig	chr1_50427424
chr1	2.21E+08	220881493	+	3.754E-24	1.3805E-22	0.361392	hyper	sig	chr1_220881493
chr22	20429583	20429583	+	3.76E-24	1.3826E-22	-0.35248	hypo	sig	chr22_20429583
chr14	26598564	26598564	+	3.762E-24	1.3832E-22	0.279146	hyper	sig	chr14_26598564
chr7	1.55E+08	155462502	+	3.763E-24	1.3837E-22	0.308246	hyper	sig	chr7_155462502
chr16	88842117	88842117	+	3.767E-24	1.3848E-22	-0.29786	hypo	sig	chr16_88842117
chr4	1.22E+08	121765399	+	3.767E-24	1.3848E-22	0.238247	hyper	sig	chr4_121765399
chr6	72623193	72623193	+	3.78E-24	1.3895E-22	0.274424	hyper	sig	chr6_72623193

chr5	1033474	1033474	+	3.782E-24	1.3904E-22	0.29195	hyper	sig	chr5_1033474
chr10	7409303	7409303	+	3.782E-24	1.3904E-22	0.257555	hyper	sig	chr10_7409303
chr20	62838676	62838676	+	3.79E-24	1.393E-22	-0.3595	hypo	sig	chr20_62838676
chr16	3184204	3184204	+	3.79E-24	1.3932E-22	0.292935	hyper	sig	chr16_3184204
chr14	93431043	93431043	+	3.802E-24	1.3975E-22	0.323707	hyper	sig	chr14_93431043
chr17	38841235	38841235	+	3.81E-24	1.4002E-22	0.335827	hyper	sig	chr17_38841235
chr6	83853117	83853117	+	3.81E-24	1.4002E-22	0.241658	hyper	sig	chr6_83853117
chr1	1.19E+08	119005904	+	3.811E-24	1.4005E-22	0.359985	hyper	sig	chr1_119005904
chr16	66975323	66975323	+	3.815E-24	1.4019E-22	-0.35205	hypo	sig	chr16_66975323
chr6	1.66E+08	166168713	+	3.82E-24	1.4036E-22	0.228056	hyper	sig	chr6_166168713
chr19	57947214	57947214	+	3.821E-24	1.4041E-22	0.226761	hyper	sig	chr19_57947214
chr5	41509908	41509908	+	3.826E-24	1.4059E-22	0.310276	hyper	sig	chr5_41509908
chr19	10818015	10818015	+	3.831E-24	1.4074E-22	0.269434	hyper	sig	chr19_10818015
chr8	1.43E+08	142777135	+	3.831E-24	1.4077E-22	0.283609	hyper	sig	chr8_142777135
chr6	27583001	27583001	+	3.833E-24	1.4084E-22	0.34142	hyper	sig	chr6_27583001
chr1	1.61E+08	161199099	+	3.834E-24	1.4084E-22	0.264705	hyper	sig	chr1_161199099
chr1	75134711	75134711	+	3.835E-24	1.4088E-22	0.243883	hyper	sig	chr1_75134711
chr11	92225219	92225219	+	3.844E-24	1.4121E-22	0.295977	hyper	sig	chr11_92225219
chr8	71558924	71558924	+	3.844E-24	1.4121E-22	0.321614	hyper	sig	chr8_71558924
chr1	2.43E+08	242525371	+	3.85E-24	1.4141E-22	0.303436	hyper	sig	chr1_242525371
chr10	1.01E+08	101218308	+	3.851E-24	1.4145E-22	0.255893	hyper	sig	chr10_101218308
chr19	58350187	58350187	+	3.851E-24	1.4145E-22	0.360766	hyper	sig	chr19_58350187
chr11	66559307	66559307	+	3.858E-24	1.4167E-22	0.263793	hyper	sig	chr11_66559307
chr6	33080514	33080514	+	3.862E-24	1.4181E-22	0.40953	hyper	sig	chr6_33080514
chr20	21396356	21396356	+	3.862E-24	1.4181E-22	0.280992	hyper	sig	chr20_21396356
chr16	86566924	86566924	+	3.869E-24	1.4205E-22	0.282206	hyper	sig	chr16_86566924
chr10	30028800	30028800	+	3.876E-24	1.4232E-22	0.254838	hyper	sig	chr10_30028800
chr6	1.51E+08	151240005	+	3.878E-24	1.4239E-22	0.237726	hyper	sig	chr6_151240005
chr12	213553	213553	+	3.882E-24	1.4252E-22	-0.25207	hypo	sig	chr12_213553
chr16	31224220	31224220	+	3.888E-24	1.4272E-22	0.384399	hyper	sig	chr16_31224220
chr5	1.41E+08	141403251	+	3.888E-24	1.4272E-22	0.308878	hyper	sig	chr5_141403251
chr1	31690047	31690047	+	3.891E-24	1.4284E-22	-0.3415	hypo	sig	chr1_31690047
chr1	1.64E+08	164321655	+	3.895E-24	1.4295E-22	0.309479	hyper	sig	chr1_164321655
chr3	1.25E+08	125142060	+	3.899E-24	1.4309E-22	0.268111	hyper	sig	chr3_125142060
chr10	1.32E+08	132232684	+	3.903E-24	1.4325E-22	-0.2661	hypo	sig	chr10_132232684
chr19	53132881	53132881	+	3.905E-24	1.4331E-22	0.299348	hyper	sig	chr19_53132881
chr5	58582505	58582505	+	3.907E-24	1.4336E-22	0.226303	hyper	sig	chr5_58582505
chr5	219829	219829	+	3.912E-24	1.4356E-22	-0.23319	hypo	sig	chr5_219829
chr17	81153551	81153551	+	3.917E-24	1.4372E-22	-0.31934	hypo	sig	chr17_81153551
chr15	67064049	67064049	+	3.926E-24	1.4406E-22	-0.25111	hypo	sig	chr15_67064049
chr7	2641877	2641877	+	3.933E-24	1.4431E-22	0.325642	hyper	sig	chr7_2641877
chr12	96490032	96490032	+	3.936E-24	1.4441E-22	0.342592	hyper	sig	chr12_96490032
chr11	637875	637875	+	3.938E-24	1.4448E-22	0.346637	hyper	sig	chr11_637875
chr3	1.38E+08	137770880	+	3.943E-24	1.4467E-22	0.350017	hyper	sig	chr3_137770880
chr20	25082224	25082224	+	3.944E-24	1.4469E-22	0.40242	hyper	sig	chr20_25082224
chr6	1.68E+08	168373034	+	3.947E-24	1.4478E-22	-0.31899	hypo	sig	chr6_168373034
chr7	1.28E+08	128032142	+	3.957E-24	1.4514E-22	0.298099	hyper	sig	chr7_128032142
chr2	310908	310908	+	3.963E-24	1.4535E-22	-0.26558	hypo	sig	chr2_310908
chr17	52157951	52157951	+	3.966E-24	1.4545E-22	0.332168	hyper	sig	chr17_52157951
chr4	6472237	6472237	+	3.97E-24	1.4559E-22	0.20387	hyper	sig	chr4_6472237
chr12	1.19E+08	118980984	+	3.971E-24	1.4562E-22	0.372087	hyper	sig	chr12_118980984
chr15	47184843	47184843	+	3.971E-24	1.4564E-22	0.26867	hyper	sig	chr15_47184843
chr16	77789308	77789308	+	3.977E-24	1.4583E-22	0.329895	hyper	sig	chr16_77789308
chr14	41605250	41605250	+	3.977E-24	1.4584E-22	0.354271	hyper	sig	chr14_41605250
chr5	1.74E+08	174311187	+	3.979E-24	1.4591E-22	-0.29961	hypo	sig	chr5_174311187
chr12	78864705	78864705	+	3.984E-24	1.4607E-22	0.277751	hyper	sig	chr12_78864705

chr20	31995203	31995203	+	3.985E-24	1.4612E-22	0.286992	hyper	sig	chr20_31995203
chr12	84912695	84912695	+	3.987E-24	1.4619E-22	0.339611	hyper	sig	chr12_84912695
chr12	3363717	3363717	+	3.998E-24	1.4655E-22	-0.33363	hypo	sig	chr12_3363717
chr8	54459989	54459989	+	4.002E-24	1.467E-22	0.289343	hyper	sig	chr8_54459989
chr14	36654539	36654539	+	4.004E-24	1.4677E-22	0.310329	hyper	sig	chr14_36654539
chr11	72244545	72244545	+	4.005E-24	1.4681E-22	0.318096	hyper	sig	chr11_72244545
chr1	2.02E+08	202010690	+	4.01E-24	1.4697E-22	-0.28433	hypo	sig	chr1_202010690
chr17	38921665	38921665	+	4.011E-24	1.4701E-22	0.320148	hyper	sig	chr17_38921665
chr16	991283	991283	+	4.013E-24	1.4709E-22	-0.31941	hypo	sig	chr16_991283
chr2	1.2E+08	120346534	+	4.017E-24	1.4722E-22	0.320696	hyper	sig	chr2_120346534
chr7	35185765	35185765	+	4.019E-24	1.4729E-22	0.240058	hyper	sig	chr7_35185765
chr17	48639785	48639785	+	4.022E-24	1.4738E-22	-0.31118	hypo	sig	chr17_48639785
chr1	12063450	12063450	+	4.024E-24	1.4743E-22	0.223854	hyper	sig	chr1_12063450
chr22	21632759	21632759	+	4.026E-24	1.4752E-22	-0.29467	hypo	sig	chr22_21632759
chr3	1.38E+08	137764916	+	4.031E-24	1.4768E-22	0.243037	hyper	sig	chr3_137764916
chr14	1.01E+08	100885183	+	4.032E-24	1.4773E-22	-0.29607	hypo	sig	chr14_100885183
chr5	1.41E+08	141366240	+	4.036E-24	1.4787E-22	0.33333	hyper	sig	chr5_141366240
chr1	1.19E+08	119006613	+	4.041E-24	1.4804E-22	0.299314	hyper	sig	chr1_119006613
chr2	3523060	3523060	+	4.043E-24	1.4811E-22	0.315759	hyper	sig	chr2_3523060
chr11	69086662	69086662	+	4.045E-24	1.4816E-22	0.317054	hyper	sig	chr11_69086662
chr2	1.47E+08	146587831	+	4.045E-24	1.4818E-22	-0.34367	hypo	sig	chr2_146587831
chr7	897818	897818	+	4.054E-24	1.4848E-22	0.345136	hyper	sig	chr7_897818
chr1	90710882	90710882	+	4.058E-24	1.4861E-22	0.282856	hyper	sig	chr1_90710882
chr8	49910684	49910684	+	4.06E-24	1.4868E-22	0.265186	hyper	sig	chr8_49910684
chr12	1.31E+08	131293012	+	4.062E-24	1.4874E-22	-0.33073	hypo	sig	chr12_131293012
chr11	1461886	1461886	+	4.075E-24	1.4923E-22	0.361223	hyper	sig	chr11_1461886
chr19	36797676	36797676	+	4.075E-24	1.4923E-22	0.255826	hyper	sig	chr19_36797676
chr20	45316791	45316791	+	4.081E-24	1.4942E-22	0.3803	hyper	sig	chr20_45316791
chr12	1.3E+08	130339446	+	4.084E-24	1.4951E-22	0.322328	hyper	sig	chr12_130339446
chr19	57172475	57172475	+	4.084E-24	1.4954E-22	0.3103	hyper	sig	chr19_57172475
chr13	1.1E+08	110129231	+	4.085E-24	1.4954E-22	-0.30116	hypo	sig	chr13_110129231
chr8	17026782	17026782	+	4.087E-24	1.4963E-22	0.320693	hyper	sig	chr8_17026782
chr2	2.39E+08	239260223	+	4.088E-24	1.4964E-22	-0.27667	hypo	sig	chr2_239260223
chr12	6362085	6362085	+	4.095E-24	1.4992E-22	-0.30762	hypo	sig	chr12_6362085
chr19	2513402	2513402	+	4.098E-24	1.4999E-22	-0.25432	hypo	sig	chr19_2513402
chr6	1.08E+08	108164772	+	4.1E-24	1.5005E-22	0.22111	hyper	sig	chr6_108164772
chr16	57803006	57803006	+	4.108E-24	1.5036E-22	0.408604	hyper	sig	chr16_57803006
chr19	18438924	18438924	+	4.112E-24	1.505E-22	0.291629	hyper	sig	chr19_18438924
chr2	1.76E+08	176114570	+	4.12E-24	1.5079E-22	-0.29779	hypo	sig	chr2_176114570
chr4	1.54E+08	153792085	+	4.121E-24	1.5079E-22	0.372434	hyper	sig	chr4_153792085
chr1	23826114	23826114	+	4.122E-24	1.5083E-22	-0.35221	hypo	sig	chr1_23826114
chr12	41188253	41188253	+	4.127E-24	1.5102E-22	0.325646	hyper	sig	chr12_41188253
chr14	1.01E+08	101065780	+	4.138E-24	1.514E-22	-0.31758	hypo	sig	chr14_101065780
chr3	1.28E+08	128483620	+	4.143E-24	1.5159E-22	0.366625	hyper	sig	chr3_128483620
chr19	48836181	48836181	+	4.143E-24	1.5159E-22	0.262951	hyper	sig	chr19_48836181
chr10	50024776	50024776	+	4.151E-24	1.5186E-22	0.283479	hyper	sig	chr10_50024776
chr6	1.33E+08	133242360	+	4.157E-24	1.5206E-22	0.241752	hyper	sig	chr6_133242360
chr19	18144548	18144548	+	4.159E-24	1.5212E-22	-0.37982	hypo	sig	chr19_18144548
chr4	1.47E+08	146640706	+	4.159E-24	1.5212E-22	0.319924	hyper	sig	chr4_146640706
chr4	1.54E+08	153792083	+	4.159E-24	1.5212E-22	0.371518	hyper	sig	chr4_153792083
chr6	34238746	34238746	+	4.164E-24	1.523E-22	-0.34005	hypo	sig	chr6_34238746
chr6	50820235	50820235	+	4.178E-24	1.528E-22	0.342683	hyper	sig	chr6_50820235
chr6	1.68E+08	167824759	+	4.178E-24	1.528E-22	0.271808	hyper	sig	chr6_167824759
chr3	1.39E+08	138939498	+	4.18E-24	1.5288E-22	0.287275	hyper	sig	chr3_138939498
chr20	46057412	46057412	+	4.181E-24	1.5289E-22	0.274133	hyper	sig	chr20_46057412
chr17	42653852	42653852	+	4.182E-24	1.5295E-22	0.267005	hyper	sig	chr17_42653852

chr6	31728875	31728875	+	4.193E-24	1.5333E-22	0.321857	hyper	sig	chr6_31728875
chr1	1.19E+08	118986067	+	4.196E-24	1.5345E-22	0.342367	hyper	sig	chr1_118986067
chr8	1E+08	100106297	+	4.202E-24	1.5365E-22	0.347835	hyper	sig	chr8_100106297
chr9	1.36E+08	136440355	+	4.205E-24	1.5374E-22	0.304356	hyper	sig	chr9_136440355
chr12	85273829	85273829	+	4.206E-24	1.5378E-22	0.293091	hyper	sig	chr12_85273829
chr14	1.05E+08	104844654	+	4.218E-24	1.5419E-22	0.210326	hyper	sig	chr14_104844654
chr1	9198573	9198573	+	4.228E-24	1.5458E-22	0.397058	hyper	sig	chr1_9198573
chr5	6349370	6349370	+	4.244E-24	1.5515E-22	-0.3421	hypo	sig	chr5_6349370
chr4	1.74E+08	173531412	+	4.245E-24	1.5516E-22	0.336206	hyper	sig	chr4_173531412
chr17	897098	897098	+	4.248E-24	1.5526E-22	0.349702	hyper	sig	chr17_897098
chr2	1.06E+08	106343482	+	4.249E-24	1.5532E-22	-0.43462	hypo	sig	chr2_106343482
chr12	1.11E+08	111035877	+	4.25E-24	1.5535E-22	0.268677	hyper	sig	chr12_111035877
chr15	89360450	89360450	+	4.251E-24	1.5536E-22	0.338187	hyper	sig	chr15_89360450
chr2	2.13E+08	212536697	+	4.257E-24	1.5557E-22	0.363021	hyper	sig	chr2_212536697
chr8	64379431	64379431	+	4.259E-24	1.5566E-22	0.346422	hyper	sig	chr8_64379431
chr6	29627417	29627417	+	4.261E-24	1.557E-22	0.414424	hyper	sig	chr6_29627417
chr8	64585883	64585883	+	4.262E-24	1.5574E-22	0.267511	hyper	sig	chr8_64585883
chr8	96161514	96161514	+	4.262E-24	1.5574E-22	0.32533	hyper	sig	chr8_96161514
chr11	30585844	30585844	+	4.265E-24	1.5582E-22	0.300008	hyper	sig	chr11_30585844
chr5	1.41E+08	140869546	+	4.268E-24	1.5595E-22	0.30404	hyper	sig	chr5_140869546
chr16	67928331	67928331	+	4.273E-24	1.561E-22	-0.30637	hypo	sig	chr16_67928331
chr2	27307570	27307570	+	4.273E-24	1.5612E-22	0.277747	hyper	sig	chr2_27307570
chr11	72013241	72013241	+	4.281E-24	1.5639E-22	0.269346	hyper	sig	chr11_72013241
chr8	64379764	64379764	+	4.287E-24	1.5661E-22	0.221966	hyper	sig	chr8_64379764
chr20	35607549	35607549	+	4.293E-24	1.5683E-22	-0.40014	hypo	sig	chr20_35607549
chr10	61897271	61897271	+	4.295E-24	1.5687E-22	-0.31211	hypo	sig	chr10_61897271
chr5	1.41E+08	141485124	+	4.304E-24	1.5722E-22	0.293203	hyper	sig	chr5_141485124
chr1	2.01E+08	201489623	+	4.322E-24	1.5785E-22	0.338746	hyper	sig	chr1_201489623
chr11	43522468	43522468	+	4.325E-24	1.5795E-22	-0.29464	hypo	sig	chr11_43522468
chr12	1.1E+08	109833219	+	4.327E-24	1.5804E-22	0.300409	hyper	sig	chr12_109833219
chr7	3056885	3056885	+	4.328E-24	1.5805E-22	0.296524	hyper	sig	chr7_3056885
chr9	97852665	97852665	+	4.329E-24	1.5809E-22	0.377875	hyper	sig	chr9_97852665
chr16	1543414	1543414	+	4.331E-24	1.5815E-22	-0.41245	hypo	sig	chr16_1543414
chr10	1.31E+08	131410737	+	4.339E-24	1.5844E-22	-0.28697	hypo	sig	chr10_131410737
chr4	1.47E+08	146640714	+	4.351E-24	1.5887E-22	0.32629	hyper	sig	chr4_146640714
chr11	69819720	69819720	+	4.352E-24	1.5889E-22	0.242983	hyper	sig	chr11_69819720
chr6	1.64E+08	164336702	+	4.352E-24	1.5889E-22	-0.33396	hypo	sig	chr6_164336702
chr19	57935002	57935002	+	4.362E-24	1.5922E-22	0.395973	hyper	sig	chr19_57935002
chr1	1200120	1200120	+	4.363E-24	1.5926E-22	-0.28712	hypo	sig	chr1_1200120
chr2	1.27E+08	126656416	+	4.364E-24	1.5929E-22	0.338139	hyper	sig	chr2_126656416
chr2	394333	394333	+	4.37E-24	1.5947E-22	-0.30167	hypo	sig	chr2_394333
chr20	63775526	63775526	+	4.384E-24	1.5999E-22	0.337662	hyper	sig	chr20_63775526
chr18	21243294	21243294	+	4.386E-24	1.6004E-22	0.26491	hyper	sig	chr18_21243294
chr6	84764730	84764730	+	4.387E-24	1.6008E-22	0.240513	hyper	sig	chr6_84764730
chr12	1.32E+08	132209031	+	4.396E-24	1.6039E-22	-0.31331	hypo	sig	chr12_132209031
chr7	1246677	1246677	+	4.417E-24	1.6118E-22	0.28681	hyper	sig	chr7_1246677
chr1	35558803	35558803	+	4.422E-24	1.6133E-22	0.325247	hyper	sig	chr1_35558803
chr13	25095913	25095913	+	4.423E-24	1.6138E-22	0.306923	hyper	sig	chr13_25095913
chr10	55628322	55628322	+	4.429E-24	1.6158E-22	0.332997	hyper	sig	chr10_55628322
chr7	1.55E+08	154748615	+	4.43E-24	1.616E-22	-0.35159	hypo	sig	chr7_154748615
chr13	1.11E+08	110508105	+	4.431E-24	1.6165E-22	-0.39456	hypo	sig	chr13_110508105
chr8	1.43E+08	142777122	+	4.431E-24	1.6165E-22	0.275673	hyper	sig	chr8_142777122
chr8	70069792	70069792	+	4.443E-24	1.6205E-22	0.271762	hyper	sig	chr8_70069792
chr2	2.42E+08	241852770	+	4.447E-24	1.6218E-22	-0.27447	hypo	sig	chr2_241852770
chr6	1.68E+08	167678721	+	4.455E-24	1.6247E-22	0.402637	hyper	sig	chr6_167678721
chr17	75828262	75828262	+	4.455E-24	1.6249E-22	0.314895	hyper	sig	chr17_75828262

chr11	18248777	18248777	+	4.461E-24	1.6267E-22	-0.27119	hypo	sig	chr11_18248777
chr1	24931119	24931119	+	4.464E-24	1.6278E-22	0.360162	hyper	sig	chr1_24931119
chr9	1.36E+08	136334504	+	4.475E-24	1.632E-22	-0.32178	hypo	sig	chr9_136334504
chr1	98048803	98048803	+	4.479E-24	1.6331E-22	0.257341	hyper	sig	chr1_98048803
chr13	1.13E+08	113420418	+	4.481E-24	1.6341E-22	-0.36486	hypo	sig	chr13_113420418
chr2	99598022	99598022	+	4.49E-24	1.6372E-22	-0.30589	hypo	sig	chr2_99598022
chr12	53938090	53938090	+	4.491E-24	1.6375E-22	0.379472	hyper	sig	chr12_53938090
chr7	27106451	27106451	+	4.492E-24	1.6377E-22	0.415627	hyper	sig	chr7_27106451
chr7	1.22E+08	122300310	+	4.503E-24	1.6415E-22	0.34527	hyper	sig	chr7_122300310
chr8	17026788	17026788	+	4.515E-24	1.646E-22	0.316377	hyper	sig	chr8_17026788
chr11	69819632	69819632	+	4.516E-24	1.6464E-22	0.333525	hyper	sig	chr11_69819632
chr19	57664937	57664937	+	4.526E-24	1.6496E-22	0.263835	hyper	sig	chr19_57664937
chr4	10461779	10461779	+	4.53E-24	1.6512E-22	0.318703	hyper	sig	chr4_10461779
chr21	44999294	44999294	+	4.536E-24	1.6532E-22	-0.32118	hypo	sig	chr21_44999294
chr5	1.71E+08	171309273	+	4.539E-24	1.6542E-22	0.328248	hyper	sig	chr5_171309273
chr1	6386156	6386156	+	4.541E-24	1.6549E-22	-0.31906	hypo	sig	chr1_6386156
chr13	1.13E+08	113178207	+	4.548E-24	1.6574E-22	0.254296	hyper	sig	chr13_113178207
chr16	31217013	31217013	+	4.557E-24	1.6607E-22	0.239412	hyper	sig	chr16_31217013
chr5	1.51E+08	150661301	+	4.558E-24	1.6609E-22	-0.31467	hypo	sig	chr5_150661301
chr19	57240223	57240223	+	4.564E-24	1.6629E-22	0.344779	hyper	sig	chr19_57240223
chr7	1.59E+08	159037344	+	4.568E-24	1.6646E-22	-0.33882	hypo	sig	chr7_159037344
chr19	5036957	5036957	+	4.573E-24	1.6662E-22	0.273781	hyper	sig	chr19_5036957
chr9	1.37E+08	136821212	+	4.576E-24	1.6671E-22	0.282591	hyper	sig	chr9_136821212
chr17	8324609	8324609	+	4.581E-24	1.669E-22	-0.36741	hypo	sig	chr17_8324609
chr13	1.12E+08	111512445	+	4.582E-24	1.6691E-22	-0.27864	hypo	sig	chr13_111512445
chr13	1.12E+08	112441565	+	4.584E-24	1.6699E-22	-0.39851	hypo	sig	chr13_112441565
chr20	24470792	24470792	+	4.589E-24	1.6717E-22	0.269534	hyper	sig	chr20_24470792
chr7	20793467	20793467	+	4.591E-24	1.6724E-22	0.377055	hyper	sig	chr7_20793467
chr12	1.03E+08	102962267	+	4.595E-24	1.6736E-22	0.262423	hyper	sig	chr12_102962267
chr19	53942229	53942229	+	4.596E-24	1.6741E-22	0.36322	hyper	sig	chr19_53942229
chr17	49964541	49964541	+	4.597E-24	1.6741E-22	0.378524	hyper	sig	chr17_49964541
chr11	22432941	22432941	+	4.6E-24	1.6753E-22	0.282862	hyper	sig	chr11_22432941
chr11	1.26E+08	126375305	+	4.602E-24	1.676E-22	-0.2114	hypo	sig	chr11_126375305
chr3	1.49E+08	148697704	+	4.608E-24	1.678E-22	0.285156	hyper	sig	chr3_148697704
chr12	1.07E+08	106582846	+	4.613E-24	1.6798E-22	0.23828	hyper	sig	chr12_106582846
chr7	1.43E+08	143391410	+	4.614E-24	1.6799E-22	0.309103	hyper	sig	chr7_143391410
chr7	1.59E+08	159144025	+	4.616E-24	1.6805E-22	0.310058	hyper	sig	chr7_159144025
chr7	1367949	1367949	+	4.623E-24	1.6832E-22	0.284095	hyper	sig	chr7_1367949
chr6	1.18E+08	117920402	+	4.625E-24	1.6839E-22	0.266222	hyper	sig	chr6_117920402
chr19	41328062	41328062	+	4.626E-24	1.684E-22	-0.35225	hypo	sig	chr19_41328062
chr1	3571303	3571303	+	4.634E-24	1.687E-22	-0.34307	hypo	sig	chr1_3571303
chr14	36667061	36667061	+	4.637E-24	1.688E-22	0.301654	hyper	sig	chr14_36667061
chr19	57889236	57889236	+	4.638E-24	1.6882E-22	0.219108	hyper	sig	chr19_57889236
chr12	4909915	4909915	+	4.639E-24	1.6886E-22	0.280317	hyper	sig	chr12_4909915
chr1	22579628	22579628	+	4.643E-24	1.69E-22	0.307543	hyper	sig	chr1_22579628
chr8	1.17E+08	116938234	+	4.644E-24	1.6902E-22	0.286343	hyper	sig	chr8_116938234
chr1	1.47E+08	147178225	+	4.655E-24	1.6942E-22	0.30848	hyper	sig	chr1_147178225
chr11	1.23E+08	122979799	+	4.657E-24	1.6946E-22	0.288482	hyper	sig	chr11_122979799
chr4	68182040	68182040	+	4.659E-24	1.6953E-22	-0.28875	hypo	sig	chr4_68182040
chr8	24914960	24914960	+	4.661E-24	1.696E-22	0.244902	hyper	sig	chr8_24914960
chr19	33684641	33684641	+	4.68E-24	1.7029E-22	0.329763	hyper	sig	chr19_33684641
chr14	1.05E+08	104637398	+	4.683E-24	1.7039E-22	-0.3692	hypo	sig	chr14_104637398
chr15	22262737	22262737	+	4.692E-24	1.707E-22	-0.37329	hypo	sig	chr15_22262737
chr6	33976060	33976060	+	4.695E-24	1.7081E-22	0.291919	hyper	sig	chr6_33976060
chr7	1.43E+08	142796705	+	4.696E-24	1.7083E-22	0.35927	hyper	sig	chr7_142796705
chr10	1.31E+08	131396842	+	4.697E-24	1.7086E-22	0.312044	hyper	sig	chr10_131396842

chr6	32053577	32053577	+	4.701E-24	1.7101E-22	-0.29153	hypo	sig	chr6_32053577
chr6	1.68E+08	168079295	+	4.703E-24	1.7108E-22	-0.29402	hypo	sig	chr6_168079295
chr10	512032	512032	+	4.706E-24	1.7116E-22	0.325745	hyper	sig	chr10_512032
chr1	18632354	18632354	+	4.706E-24	1.7117E-22	0.326645	hyper	sig	chr1_18632354
chr7	97843171	97843171	+	4.71E-24	1.7128E-22	-0.29922	hypo	sig	chr7_97843171
chr20	38448018	38448018	+	4.716E-24	1.715E-22	-0.22909	hypo	sig	chr20_38448018
chr1	3217247	3217247	+	4.728E-24	1.7195E-22	0.344492	hyper	sig	chr1_3217247
chr2	1.05E+08	104844910	+	4.741E-24	1.7239E-22	0.323664	hyper	sig	chr2_104844910
chr11	1.29E+08	128876319	+	4.742E-24	1.7242E-22	-0.27464	hypo	sig	chr11_128876319
chr12	6362078	6362078	+	4.744E-24	1.7249E-22	-0.31024	hypo	sig	chr12_6362078
chr5	1394515	1394515	+	4.745E-24	1.7254E-22	0.308933	hyper	sig	chr5_1394515
chr4	55794225	55794225	+	4.746E-24	1.7257E-22	0.281221	hyper	sig	chr4_55794225
chr12	52007693	52007693	+	4.749E-24	1.7264E-22	0.254601	hyper	sig	chr12_52007693
chr19	4605084	4605084	+	4.749E-24	1.7264E-22	-0.32057	hypo	sig	chr19_4605084
chr2	9820713	9820713	+	4.75E-24	1.7267E-22	-0.3123	hypo	sig	chr2_9820713
chr7	97013248	97013248	+	4.752E-24	1.7274E-22	0.445272	hyper	sig	chr7_97013248
chr8	64379219	64379219	+	4.753E-24	1.7278E-22	0.33462	hyper	sig	chr8_64379219
chr15	52794568	52794568	+	4.754E-24	1.7281E-22	0.283164	hyper	sig	chr15_52794568
chr12	2057662	2057662	+	4.756E-24	1.7286E-22	0.330642	hyper	sig	chr12_2057662
chr8	1.44E+08	143599312	+	4.758E-24	1.7294E-22	0.265659	hyper	sig	chr8_143599312
chr1	2.02E+08	202010820	+	4.76E-24	1.73E-22	-0.2852	hypo	sig	chr1_202010820
chr1	2.28E+08	228212514	+	4.76E-24	1.73E-22	0.433087	hyper	sig	chr1_228212514
chr2	1.71E+08	170820364	+	4.763E-24	1.7309E-22	0.263352	hyper	sig	chr2_170820364
chr5	320732	320732	+	4.765E-24	1.7315E-22	0.397889	hyper	sig	chr5_320732
chr11	20669384	20669384	+	4.774E-24	1.7346E-22	0.432185	hyper	sig	chr11_20669384
chr19	17826683	17826683	+	4.777E-24	1.7357E-22	-0.27362	hypo	sig	chr19_17826683
chr11	65856041	65856041	+	4.785E-24	1.7385E-22	-0.28844	hypo	sig	chr11_65856041
chr11	78672877	78672877	+	4.785E-24	1.7385E-22	-0.43252	hypo	sig	chr11_78672877
chr10	77711357	77711357	+	4.791E-24	1.7406E-22	0.259523	hyper	sig	chr10_77711357
chr8	57279556	57279556	+	4.795E-24	1.7419E-22	-0.37198	hypo	sig	chr8_57279556
chr8	1653232	1653232	+	4.799E-24	1.7433E-22	-0.29619	hypo	sig	chr8_1653232
chr19	58440061	58440061	+	4.806E-24	1.7459E-22	0.250295	hyper	sig	chr19_58440061
chr7	5895371	5895371	+	4.807E-24	1.746E-22	-0.33557	hypo	sig	chr7_5895371
chr6	1.69E+08	168844423	+	4.816E-24	1.7492E-22	-0.30244	hypo	sig	chr6_168844423
chr7	1297681	1297681	+	4.816E-24	1.7493E-22	0.278466	hyper	sig	chr7_1297681
chr16	55660650	55660650	+	4.829E-24	1.754E-22	-0.3173	hypo	sig	chr16_55660650
chr1	38476262	38476262	+	4.832E-24	1.7547E-22	0.34401	hyper	sig	chr1_38476262
chr4	8277403	8277403	+	4.836E-24	1.7564E-22	-0.29347	hypo	sig	chr4_8277403
chr5	79690023	79690023	+	4.838E-24	1.7568E-22	0.47966	hyper	sig	chr5_79690023
chr6	30171761	30171761	+	4.847E-24	1.76E-22	0.228062	hyper	sig	chr6_30171761
chr10	1.31E+08	131310731	+	4.861E-24	1.7652E-22	0.319381	hyper	sig	chr10_131310731
chr7	91267257	91267257	+	4.863E-24	1.7658E-22	0.340673	hyper	sig	chr7_91267257
chr2	1.07E+08	106584439	+	4.866E-24	1.7666E-22	0.355393	hyper	sig	chr2_106584439
chr5	1.14E+08	114055959	+	4.869E-24	1.7676E-22	0.310506	hyper	sig	chr5_114055959
chr7	91267074	91267074	+	4.872E-24	1.7688E-22	0.256233	hyper	sig	chr7_91267074
chr2	99590536	99590536	+	4.877E-24	1.7705E-22	-0.34343	hypo	sig	chr2_99590536
chr7	96999699	96999699	+	4.881E-24	1.7717E-22	0.30246	hyper	sig	chr7_96999699
chr16	1205203	1205203	+	4.884E-24	1.7729E-22	-0.39019	hypo	sig	chr16_1205203
chr17	35345953	35345953	+	4.886E-24	1.7736E-22	0.239346	hyper	sig	chr17_35345953
chr12	1.25E+08	124507899	+	4.887E-24	1.7739E-22	0.342688	hyper	sig	chr12_124507899
chr5	1.59E+08	159104386	+	4.9E-24	1.7785E-22	0.43983	hyper	sig	chr5_159104386
chr22	31497228	31497228	+	4.904E-24	1.7798E-22	-0.25834	hypo	sig	chr22_31497228
chr7	1.55E+08	155374848	+	4.914E-24	1.7832E-22	0.222284	hyper	sig	chr7_155374848
chr2	63055743	63055743	+	4.916E-24	1.7841E-22	0.288199	hyper	sig	chr2_63055743
chr19	53963284	53963284	+	4.917E-24	1.7842E-22	0.375639	hyper	sig	chr19_53963284
chr13	54799994	54799994	+	4.918E-24	1.7847E-22	-0.27317	hypo	sig	chr13_54799994

chr12	41189561	41189561	+	4.926E-24	1.7874E-22	0.35644	hyper	sig	chr12_41189561
chr2	97724186	97724186	+	4.933E-24	1.7898E-22	0.373257	hyper	sig	chr2_97724186
chr7	45575799	45575799	+	4.933E-24	1.7898E-22	0.257822	hyper	sig	chr7_45575799
chr19	56192972	56192972	+	4.936E-24	1.7907E-22	-0.29707	hypo	sig	chr19_56192972
chr4	6693592	6693592	+	4.939E-24	1.7917E-22	-0.30276	hypo	sig	chr4_6693592
chr12	6620444	6620444	+	4.945E-24	1.7939E-22	0.332716	hyper	sig	chr12_6620444
chr1	12063437	12063437	+	4.949E-24	1.7952E-22	0.207756	hyper	sig	chr1_12063437
chr20	30891884	30891884	+	4.95E-24	1.7955E-22	0.386182	hyper	sig	chr20_30891884
chr16	1057339	1057339	+	4.954E-24	1.7967E-22	-0.28649	hypo	sig	chr16_1057339
chr1	1.48E+08	148309964	+	4.956E-24	1.7976E-22	0.406218	hyper	sig	chr1_148309964
chr2	44929801	44929801	+	4.959E-24	1.7985E-22	0.33781	hyper	sig	chr2_44929801
chr20	46059091	46059091	+	4.965E-24	1.8008E-22	0.444715	hyper	sig	chr20_46059091
chr17	7179696	7179696	+	4.974E-24	1.8037E-22	-0.28208	hypo	sig	chr17_7179696
chr17	12664612	12664612	+	4.983E-24	1.807E-22	0.257628	hyper	sig	chr17_12664612
chr15	96417386	96417386	+	4.985E-24	1.8077E-22	0.218227	hyper	sig	chr15_96417386
chr17	78852962	78852962	+	4.986E-24	1.8079E-22	-0.27114	hypo	sig	chr17_78852962
chr12	1.11E+08	111033452	+	4.988E-24	1.8087E-22	0.42041	hyper	sig	chr12_111033452
chr13	27383801	27383801	+	4.99E-24	1.8094E-22	-0.31666	hypo	sig	chr13_27383801
chr19	12996873	12996873	+	4.992E-24	1.8099E-22	0.242529	hyper	sig	chr19_12996873
chr15	37102981	37102981	+	5.005E-24	1.8144E-22	0.280101	hyper	sig	chr15_37102981
chr19	34482359	34482359	+	5.005E-24	1.8146E-22	0.261174	hyper	sig	chr19_34482359
chr17	41773131	41773131	+	5.007E-24	1.8152E-22	-0.31369	hypo	sig	chr17_41773131
chr16	10183450	10183450	+	5.02E-24	1.8195E-22	0.21983	hyper	sig	chr16_10183450
chr19	53467549	53467549	+	5.026E-24	1.8218E-22	0.222526	hyper	sig	chr19_53467549
chr17	49964527	49964527	+	5.031E-24	1.8236E-22	0.361151	hyper	sig	chr17_49964527
chr4	1.09E+08	109302633	+	5.032E-24	1.8237E-22	0.291288	hyper	sig	chr4_109302633
chr5	2753762	2753762	+	5.035E-24	1.8249E-22	0.338388	hyper	sig	chr5_2753762
chr8	64577389	64577389	+	5.037E-24	1.8255E-22	0.275266	hyper	sig	chr8_64577389
chr20	63361181	63361181	+	5.05E-24	1.8302E-22	0.334119	hyper	sig	chr20_63361181
chr1	24931268	24931268	+	5.052E-24	1.8306E-22	0.429919	hyper	sig	chr1_24931268
chr11	10693813	10693813	+	5.056E-24	1.8322E-22	0.312034	hyper	sig	chr11_10693813
chr1	6578444	6578444	+	5.061E-24	1.8336E-22	-0.30722	hypo	sig	chr1_6578444
chr17	45430161	45430161	+	5.06E-24	1.8336E-22	0.373206	hyper	sig	chr17_45430161
chr8	64575732	64575732	+	5.061E-24	1.8336E-22	0.2617	hyper	sig	chr8_64575732
chr16	85400070	85400070	+	5.061E-24	1.8337E-22	-0.29188	hypo	sig	chr16_85400070
chr11	1918316	1918316	+	5.063E-24	1.8342E-22	-0.43769	hypo	sig	chr11_1918316
chr5	1.73E+08	173211184	+	5.072E-24	1.8373E-22	-0.38737	hypo	sig	chr5_173211184
chr16	1258388	1258388	+	5.072E-24	1.8374E-22	-0.28666	hypo	sig	chr16_1258388
chr7	1.55E+08	155462720	+	5.073E-24	1.8374E-22	0.383082	hyper	sig	chr7_155462720
chr19	48414895	48414895	+	5.075E-24	1.8382E-22	0.399039	hyper	sig	chr19_48414895
chr17	446422	446422	+	5.076E-24	1.8385E-22	-0.29267	hypo	sig	chr17_446422
chr10	1.33E+08	133070857	+	5.082E-24	1.8407E-22	-0.32682	hypo	sig	chr10_133070857
chr2	2.39E+08	238967653	+	5.083E-24	1.8407E-22	-0.22437	hypo	sig	chr2_238967653
chr6	1.32E+08	131949408	+	5.084E-24	1.8411E-22	0.316428	hyper	sig	chr6_131949408
chr11	2266186	2266186	+	5.09E-24	1.8431E-22	-0.27693	hypo	sig	chr11_2266186
chr3	55483468	55483468	+	5.09E-24	1.8431E-22	-0.29343	hypo	sig	chr3_55483468
chr10	1.17E+08	117133070	+	5.092E-24	1.8439E-22	0.234923	hyper	sig	chr10_117133070
chr12	644033	644033	+	5.095E-24	1.8446E-22	-0.27857	hypo	sig	chr12_644033
chr16	15149009	15149009	+	5.103E-24	1.8477E-22	0.207761	hyper	sig	chr16_15149009
chr11	1853222	1853222	+	5.104E-24	1.848E-22	-0.34073	hypo	sig	chr11_1853222
chr18	904541	904541	+	5.117E-24	1.8525E-22	0.369918	hyper	sig	chr18_904541
chr13	1.12E+08	112056447	+	5.122E-24	1.8541E-22	0.509174	hyper	sig	chr13_112056447
chr1	1.56E+08	156388324	+	5.123E-24	1.8546E-22	0.232781	hyper	sig	chr1_156388324
chr18	21243146	21243146	+	5.125E-24	1.855E-22	0.282399	hyper	sig	chr18_21243146
chr7	54542248	54542248	+	5.14E-24	1.8602E-22	0.300038	hyper	sig	chr7_54542248
chr14	36663892	36663892	+	5.143E-24	1.8613E-22	0.288686	hyper	sig	chr14_36663892

chr15	25242746	25242746	+	5.143E-24	1.8613E-22	-0.3128	hypo	sig	chr15_25242746
chr4	89836308	89836308	+	5.158E-24	1.8666E-22	0.25612	hyper	sig	chr4_89836308
chr8	1.08E+08	108083070	+	5.159E-24	1.8671E-22	0.333352	hyper	sig	chr8_108083070
chr1	9127624	9127624	+	5.162E-24	1.8681E-22	-0.27764	hypo	sig	chr1_9127624
chr1	3094354	3094354	+	5.164E-24	1.8685E-22	-0.34673	hypo	sig	chr1_3094354
chr12	1.07E+08	106581371	+	5.164E-24	1.8686E-22	0.248855	hyper	sig	chr12_106581371
chr11	31825297	31825297	+	5.169E-24	1.8703E-22	0.323365	hyper	sig	chr11_31825297
chr6	29828602	29828602	+	5.178E-24	1.8733E-22	0.256842	hyper	sig	chr6_29828602
chr16	31488700	31488700	+	5.179E-24	1.8737E-22	0.380696	hyper	sig	chr16_31488700
chr2	1.92E+08	192196167	+	5.18E-24	1.8738E-22	0.269841	hyper	sig	chr2_192196167
chr19	55376449	55376449	+	5.181E-24	1.8741E-22	-0.29926	hypo	sig	chr19_55376449
chr1	16018076	16018076	+	5.183E-24	1.8747E-22	0.393348	hyper	sig	chr1_16018076
chr6	89118402	89118402	+	5.187E-24	1.8763E-22	0.287162	hyper	sig	chr6_89118402
chr8	1.33E+08	133212571	+	5.195E-24	1.8789E-22	-0.32937	hypo	sig	chr8_133212571
chr1	25566998	25566998	+	5.198E-24	1.88E-22	0.443056	hyper	sig	chr1_25566998
chr11	44309397	44309397	+	5.203E-24	1.8819E-22	0.244515	hyper	sig	chr11_44309397
chr1	16727345	16727345	+	5.206E-24	1.8829E-22	-0.29976	hypo	sig	chr1_16727345
chr8	48870511	48870511	+	5.214E-24	1.8855E-22	0.382329	hyper	sig	chr8_48870511
chr20	1118144	1118144	+	5.221E-24	1.8878E-22	-0.29374	hypo	sig	chr20_1118144
chr16	173409	173409	+	5.233E-24	1.8921E-22	0.347857	hyper	sig	chr16_173409
chr1	1.62E+08	161621664	+	5.238E-24	1.8937E-22	0.226608	hyper	sig	chr1_161621664
chr20	25470218	25470218	+	5.238E-24	1.894E-22	-0.49087	hypo	sig	chr20_25470218
chr17	79752458	79752458	+	5.24E-24	1.8943E-22	-0.34523	hypo	sig	chr17_79752458
chr6	1.08E+08	108116826	+	5.242E-24	1.8952E-22	0.325555	hyper	sig	chr6_108116826
chr5	1.69E+08	168529904	+	5.25E-24	1.8979E-22	0.334613	hyper	sig	chr5_168529904
chr13	25469027	25469027	+	5.252E-24	1.8987E-22	0.255392	hyper	sig	chr13_25469027
chr20	9838624	9838624	+	5.255E-24	1.8995E-22	0.326594	hyper	sig	chr20_9838624
chr4	4861629	4861629	+	5.268E-24	1.9042E-22	0.252435	hyper	sig	chr4_4861629
chr6	1.7E+08	169799125	+	5.283E-24	1.9095E-22	-0.32524	hypo	sig	chr6_169799125
chr5	1.78E+08	178372204	+	5.284E-24	1.9095E-22	0.338338	hyper	sig	chr5_178372204
chr13	70107900	70107900	+	5.284E-24	1.9097E-22	0.380687	hyper	sig	chr13_70107900
chr12	54053982	54053982	+	5.285E-24	1.9099E-22	0.327584	hyper	sig	chr12_54053982
chr16	54932787	54932787	+	5.287E-24	1.9106E-22	0.478166	hyper	sig	chr16_54932787
chr17	81023500	81023500	+	5.288E-24	1.9108E-22	-0.27036	hypo	sig	chr17_81023500
chr6	72623134	72623134	+	5.293E-24	1.9126E-22	0.29962	hyper	sig	chr6_72623134
chr2	2.02E+08	202036705	+	5.296E-24	1.9136E-22	0.333354	hyper	sig	chr2_202036705
chr20	25084822	25084822	+	5.301E-24	1.9153E-22	0.291604	hyper	sig	chr20_25084822
chr9	1.27E+08	126610229	+	5.304E-24	1.9164E-22	0.306105	hyper	sig	chr9_126610229
chr4	1309924	1309924	+	5.307E-24	1.9171E-22	0.295579	hyper	sig	chr4_1309924
chr19	40614421	40614421	+	5.31E-24	1.9184E-22	0.229881	hyper	sig	chr19_40614421
chr11	43581305	43581305	+	5.313E-24	1.9191E-22	0.331594	hyper	sig	chr11_43581305
chr6	30163914	30163914	+	5.317E-24	1.9208E-22	-0.32116	hypo	sig	chr6_30163914
chr11	69819768	69819768	+	5.323E-24	1.9228E-22	0.273725	hyper	sig	chr11_69819768
chr2	44929809	44929809	+	5.331E-24	1.9256E-22	0.359318	hyper	sig	chr2_44929809
chr1	3366257	3366257	+	5.336E-24	1.927E-22	0.270563	hyper	sig	chr1_3366257
chr10	1.23E+08	123146374	+	5.358E-24	1.935E-22	0.223655	hyper	sig	chr10_123146374
chr10	49610669	49610669	+	5.359E-24	1.9352E-22	0.296272	hyper	sig	chr10_49610669
chr16	3184274	3184274	+	5.363E-24	1.9369E-22	0.344886	hyper	sig	chr16_3184274
chr1	37475684	37475684	+	5.37E-24	1.9389E-22	-0.24924	hypo	sig	chr1_37475684
chr3	1.96E+08	195803289	+	5.37E-24	1.9389E-22	0.302373	hyper	sig	chr3_195803289
chr4	3370238	3370238	+	5.371E-24	1.9395E-22	0.245946	hyper	sig	chr4_3370238
chr4	17781712	17781712	+	5.375E-24	1.9406E-22	0.289346	hyper	sig	chr4_17781712
chr12	6057856	6057856	+	5.379E-24	1.942E-22	0.284373	hyper	sig	chr12_6057856
chr15	55588808	55588808	+	5.382E-24	1.9432E-22	0.219422	hyper	sig	chr15_55588808
chr6	62286797	62286797	+	5.394E-24	1.9474E-22	0.253902	hyper	sig	chr6_62286797
chr18	12254378	12254378	+	5.398E-24	1.9487E-22	0.304476	hyper	sig	chr18_12254378

chr7	97024879	97024879	+	5.404E-24	1.9506E-22	0.314374	hyper	sig	chr7_97024879
chr13	91395179	91395179	+	5.406E-24	1.9512E-22	-0.33895	hypo	sig	chr13_91395179
chr13	36430826	36430826	+	5.407E-24	1.9516E-22	0.285381	hyper	sig	chr13_36430826
chr20	46010819	46010819	+	5.412E-24	1.9533E-22	0.311336	hyper	sig	chr20_46010819
chr2	2.22E+08	222289397	+	5.413E-24	1.9536E-22	0.34519	hyper	sig	chr2_222289397
chr12	1.08E+08	107775226	+	5.426E-24	1.958E-22	0.312777	hyper	sig	chr12_107775226
chr10	23191769	23191769	+	5.426E-24	1.9582E-22	0.309333	hyper	sig	chr10_23191769
chr5	1.79E+08	179023545	+	5.436E-24	1.9614E-22	0.22336	hyper	sig	chr5_179023545
chr13	57629712	57629712	+	5.471E-24	1.9743E-22	0.392263	hyper	sig	chr13_57629712
chr2	2.19E+08	219497192	+	5.481E-24	1.9777E-22	0.275955	hyper	sig	chr2_219497192
chr2	96144265	96144265	+	5.495E-24	1.9826E-22	-0.30162	hypo	sig	chr2_96144265
chr1	1.98E+08	197921435	+	5.496E-24	1.9828E-22	0.242629	hyper	sig	chr1_197921435
chr1	3743111	3743111	+	5.498E-24	1.9837E-22	-0.29948	hypo	sig	chr1_3743111
chr20	43916019	43916019	+	5.501E-24	1.9845E-22	0.214523	hyper	sig	chr20_43916019
chr1	68496034	68496034	+	5.504E-24	1.9856E-22	-0.29047	hypo	sig	chr1_68496034
chr11	32428558	32428558	+	5.515E-24	1.9895E-22	0.35916	hyper	sig	chr11_32428558
chr6	31853025	31853025	+	5.517E-24	1.9901E-22	-0.28507	hypo	sig	chr6_31853025
chr5	1924092	1924092	+	5.528E-24	1.9941E-22	-0.27646	hypo	sig	chr5_1924092
chr14	58639944	58639944	+	5.531E-24	1.995E-22	0.255118	hyper	sig	chr14_58639944
chr8	38318082	38318082	+	5.532E-24	1.9952E-22	0.252587	hyper	sig	chr8_38318082
chr22	20438218	20438218	+	5.533E-24	1.9956E-22	0.279013	hyper	sig	chr22_20438218
chr17	3386870	3386870	+	5.536E-24	1.9965E-22	-0.32764	hypo	sig	chr17_3386870
chr17	45429838	45429838	+	5.547E-24	2.0004E-22	0.370291	hyper	sig	chr17_45429838
chr17	3916624	3916624	+	5.549E-24	2.001E-22	-0.21369	hypo	sig	chr17_3916624
chr16	51155964	51155964	+	5.564E-24	2.0063E-22	0.337636	hyper	sig	chr16_51155964
chr10	12359441	12359441	+	5.565E-24	2.0066E-22	0.312925	hyper	sig	chr10_12359441
chr13	1.12E+08	111896066	+	5.572E-24	2.0089E-22	-0.32105	hypo	sig	chr13_111896066
chr19	10817557	10817557	+	5.579E-24	2.0114E-22	0.305111	hyper	sig	chr19_10817557
chr20	21104428	21104428	+	5.58E-24	2.0114E-22	0.275482	hyper	sig	chr20_21104428
chr4	1.25E+08	125317772	+	5.591E-24	2.0156E-22	0.267216	hyper	sig	chr4_125317772
chr13	38687593	38687593	+	5.596E-24	2.017E-22	0.274224	hyper	sig	chr13_38687593
chr7	1E+08	100177818	+	5.597E-24	2.0174E-22	0.290001	hyper	sig	chr7_100177818
chr1	1282222	1282222	+	5.611E-24	2.0224E-22	-0.3039	hypo	sig	chr1_1282222
chr19	48414887	48414887	+	5.62E-24	2.0255E-22	0.400024	hyper	sig	chr19_48414887
chr2	2.19E+08	218960515	+	5.62E-24	2.0255E-22	0.260653	hyper	sig	chr2_218960515
chr19	42096162	42096162	+	5.622E-24	2.0261E-22	0.435897	hyper	sig	chr19_42096162
chr19	19860885	19860885	+	5.623E-24	2.0264E-22	0.294683	hyper	sig	chr19_19860885
chr15	64774078	64774078	+	5.626E-24	2.0272E-22	0.278027	hyper	sig	chr15_64774078
chr12	1.1E+08	109814986	+	5.629E-24	2.0282E-22	-0.31365	hypo	sig	chr12_109814986
chr19	9498619	9498619	+	5.629E-24	2.0282E-22	0.361503	hyper	sig	chr19_9498619
chr8	226542	226542	+	5.631E-24	2.0289E-22	0.22759	hyper	sig	chr8_226542
chr6	28259315	28259315	+	5.635E-24	2.0302E-22	0.324229	hyper	sig	chr6_28259315
chr20	44356285	44356285	+	5.636E-24	2.0304E-22	-0.35662	hypo	sig	chr20_44356285
chr12	48329270	48329270	+	5.638E-24	2.0309E-22	-0.35091	hypo	sig	chr12_48329270
chr13	1.13E+08	113403396	+	5.638E-24	2.0309E-22	-0.31066	hypo	sig	chr13_113403396
chr7	97024840	97024840	+	5.639E-24	2.0313E-22	0.289657	hyper	sig	chr7_97024840
chr16	29877377	29877377	+	5.641E-24	2.0318E-22	0.300447	hyper	sig	chr16_29877377
chr2	2.27E+08	226798441	+	5.661E-24	2.0389E-22	0.24291	hyper	sig	chr2_226798441
chr1	1419862	1419862	+	5.668E-24	2.0413E-22	0.346944	hyper	sig	chr1_1419862
chr22	42079131	42079131	+	5.671E-24	2.0423E-22	0.42996	hyper	sig	chr22_42079131
chr17	1048807	1048807	+	5.676E-24	2.0442E-22	0.303366	hyper	sig	chr17_1048807
chr1	7784793	7784793	+	5.68E-24	2.0454E-22	0.372138	hyper	sig	chr1_7784793
chr1	1956919	1956919	+	5.683E-24	2.0467E-22	-0.29439	hypo	sig	chr1_1956919
chr11	66543941	66543941	+	5.69E-24	2.0489E-22	0.290367	hyper	sig	chr11_66543941
chr6	84766531	84766531	+	5.69E-24	2.0489E-22	0.421169	hyper	sig	chr6_84766531
chr20	46030325	46030325	+	5.691E-24	2.0492E-22	0.436044	hyper	sig	chr20_46030325

chr8	64376666	64376666	+	5.692E-24	2.0493E-22	0.309569	hyper	sig	chr8_64376666
chr1	34165285	34165285	+	5.698E-24	2.0514E-22	0.28997	hyper	sig	chr1_34165285
chr15	52788315	52788315	+	5.701E-24	2.0522E-22	0.349711	hyper	sig	chr15_52788315
chr1	1.19E+08	118989085	+	5.702E-24	2.0526E-22	0.375508	hyper	sig	chr1_118989085
chr15	37093724	37093724	+	5.703E-24	2.053E-22	0.307787	hyper	sig	chr15_37093724
chr5	1.6E+08	160280579	+	5.704E-24	2.0533E-22	-0.29149	hypo	sig	chr5_160280579
chr21	26967158	26967158	+	5.722E-24	2.0595E-22	0.286933	hyper	sig	chr21_26967158
chr4	1.55E+08	154744651	+	5.726E-24	2.0607E-22	0.336349	hyper	sig	chr4_154744651
chr5	68187837	68187837	+	5.73E-24	2.0622E-22	0.329434	hyper	sig	chr5_68187837
chr10	22345363	22345363	+	5.739E-24	2.0652E-22	0.319174	hyper	sig	chr10_22345363
chr16	1963121	1963121	+	5.744E-24	2.0668E-22	-0.21533	hypo	sig	chr16_1963121
chr9	98709631	98709631	+	5.747E-24	2.068E-22	0.338716	hyper	sig	chr9_98709631
chr11	65833332	65833332	+	5.748E-24	2.0681E-22	0.344646	hyper	sig	chr11_65833332
chr6	11779607	11779607	+	5.749E-24	2.0683E-22	-0.30471	hypo	sig	chr6_11779607
chr10	99531486	99531486	+	5.752E-24	2.0693E-22	0.296337	hyper	sig	chr10_99531486
chr2	1.27E+08	126656850	+	5.761E-24	2.0727E-22	0.230713	hyper	sig	chr2_126656850
chr12	1.17E+08	116970165	+	5.762E-24	2.073E-22	0.202342	hyper	sig	chr12_116970165
chr12	1.11E+08	111036209	+	5.765E-24	2.0738E-22	0.236645	hyper	sig	chr12_111036209
chr10	95230789	95230789	+	5.769E-24	2.0749E-22	0.324516	hyper	sig	chr10_95230789
chr12	1.14E+08	114441149	+	5.772E-24	2.076E-22	0.231821	hyper	sig	chr12_114441149
chr14	36663579	36663579	+	5.781E-24	2.0792E-22	0.287975	hyper	sig	chr14_36663579
chr10	1.2E+08	120454439	+	5.783E-24	2.0799E-22	-0.30737	hypo	sig	chr10_120454439
chr6	7544185	7544185	+	5.787E-24	2.0814E-22	-0.29917	hypo	sig	chr6_7544185
chr10	69220356	69220356	+	5.801E-24	2.0862E-22	-0.27134	hypo	sig	chr10_69220356
chr11	79331761	79331761	+	5.803E-24	2.0867E-22	-0.23824	hypo	sig	chr11_79331761
chr6	391252	391252	+	5.814E-24	2.0905E-22	0.290403	hyper	sig	chr6_391252
chr2	27308590	27308590	+	5.821E-24	2.093E-22	0.349524	hyper	sig	chr2_27308590
chr11	67270964	67270964	+	5.823E-24	2.0938E-22	-0.31593	hypo	sig	chr11_67270964
chr6	33080533	33080533	+	5.832E-24	2.0967E-22	0.413183	hyper	sig	chr6_33080533
chr4	1.45E+08	144646489	+	5.833E-24	2.0971E-22	0.345743	hyper	sig	chr4_144646489
chr15	69462359	69462359	+	5.835E-24	2.0978E-22	-0.27821	hypo	sig	chr15_69462359
chr12	1.17E+08	116970125	+	5.836E-24	2.0981E-22	0.263502	hyper	sig	chr12_116970125
chr11	94401517	94401517	+	5.841E-24	2.0996E-22	0.313732	hyper	sig	chr11_94401517
chr10	58327131	58327131	+	5.846E-24	2.1012E-22	0.359307	hyper	sig	chr10_58327131
chr5	1444713	1444713	+	5.847E-24	2.1016E-22	0.313157	hyper	sig	chr5_1444713
chr10	21175343	21175343	+	5.852E-24	2.1034E-22	-0.25794	hypo	sig	chr10_21175343
chr11	79438842	79438842	+	5.857E-24	2.105E-22	0.235905	hyper	sig	chr11_79438842
chr10	1.24E+08	124447241	+	5.864E-24	2.1073E-22	0.293223	hyper	sig	chr10_124447241
chr7	35255313	35255313	+	5.873E-24	2.1105E-22	0.32705	hyper	sig	chr7_35255313
chr9	1.3E+08	129685827	+	5.878E-24	2.1124E-22	-0.34679	hypo	sig	chr9_129685827
chr2	2.39E+08	238586567	+	5.883E-24	2.1141E-22	0.229399	hyper	sig	chr2_238586567
chr17	1134966	1134966	+	5.884E-24	2.1143E-22	0.317764	hyper	sig	chr17_1134966
chr19	6670162	6670162	+	5.897E-24	2.119E-22	-0.37599	hypo	sig	chr19_6670162
chr1	2.44E+08	243917448	+	5.909E-24	2.1231E-22	0.306558	hyper	sig	chr1_243917448
chr4	1.21E+08	121380559	+	5.909E-24	2.1231E-22	0.307575	hyper	sig	chr4_121380559
chr1	2.28E+08	227925513	+	5.915E-24	2.1248E-22	-0.32974	hypo	sig	chr1_227925513
chr7	37449053	37449053	+	5.915E-24	2.1248E-22	0.242877	hyper	sig	chr7_37449053
chr5	1.41E+08	141371899	+	5.92E-24	2.1265E-22	0.325065	hyper	sig	chr5_141371899
chr8	1.4E+08	139703440	+	5.927E-24	2.1291E-22	0.47464	hyper	sig	chr8_139703440
chr2	10054609	10054609	+	5.932E-24	2.1306E-22	0.225595	hyper	sig	chr2_10054609
chr7	1.44E+08	144004122	+	5.934E-24	2.1313E-22	-0.29068	hypo	sig	chr7_144004122
chr19	17405964	17405964	+	5.937E-24	2.1324E-22	-0.40274	hypo	sig	chr19_17405964
chr3	1.88E+08	187670297	+	5.938E-24	2.1327E-22	0.31374	hyper	sig	chr3_187670297
chr6	1.5E+08	150038011	+	5.939E-24	2.1328E-22	0.275036	hyper	sig	chr6_150038011
chr4	3385622	3385622	+	5.943E-24	2.1342E-22	-0.32104	hypo	sig	chr4_3385622
chr19	2242206	2242206	+	5.947E-24	2.1354E-22	-0.31304	hypo	sig	chr19_2242206

chr7	3042372	3042372	+	5.952E-24	2.1373E-22	-0.31345	hypo	sig	chr7_3042372
chr3	1.86E+08	186361528	+	5.952E-24	2.1373E-22	0.319105	hyper	sig	chr3_186361528
chr19	58098345	58098345	+	5.968E-24	2.1429E-22	0.229255	hyper	sig	chr19_58098345
chr16	84851617	84851617	+	5.98E-24	2.1467E-22	-0.3363	hypo	sig	chr16_84851617
chr6	1E+08	100447369	+	5.984E-24	2.1483E-22	0.322479	hyper	sig	chr6_100447369
chr11	1.29E+08	128824511	+	5.987E-24	2.1492E-22	0.403625	hyper	sig	chr11_128824511
chr2	11825058	11825058	+	5.995E-24	2.1519E-22	0.22208	hyper	sig	chr2_11825058
chr4	1.11E+08	110630651	+	6.002E-24	2.1546E-22	0.33973	hyper	sig	chr4_110630651
chr5	1.46E+08	146339024	+	6.006E-24	2.1558E-22	0.325452	hyper	sig	chr5_146339024
chr16	3099263	3099263	+	6.011E-24	2.1574E-22	0.258393	hyper	sig	chr16_3099263
chr8	1.43E+08	143248196	+	6.014E-24	2.1585E-22	-0.37898	hypo	sig	chr8_143248196
chr13	36130839	36130839	+	6.015E-24	2.1586E-22	0.306535	hyper	sig	chr13_36130839
chr6	1.67E+08	167286468	+	6.016E-24	2.1591E-22	-0.26166	hypo	sig	chr6_167286468
chr5	1.41E+08	141246226	+	6.02E-24	2.1602E-22	0.278357	hyper	sig	chr5_141246226
chr22	50547322	50547322	+	6.023E-24	2.1612E-22	0.342409	hyper	sig	chr22_50547322
chr17	17445713	17445713	+	6.028E-24	2.1628E-22	-0.31571	hypo	sig	chr17_17445713
chr13	78607943	78607943	+	6.028E-24	2.163E-22	0.378552	hyper	sig	chr13_78607943
chr19	58350152	58350152	+	6.028E-24	2.163E-22	0.319335	hyper	sig	chr19_58350152
chr5	1.41E+08	141362163	+	6.029E-24	2.163E-22	0.369647	hyper	sig	chr5_141362163
chr7	19106877	19106877	+	6.032E-24	2.1641E-22	0.315723	hyper	sig	chr7_19106877
chr20	21519419	21519419	+	6.04E-24	2.1669E-22	0.276163	hyper	sig	chr20_21519419
chr5	1.59E+08	159097443	+	6.047E-24	2.1692E-22	0.389727	hyper	sig	chr5_159097443
chr12	1.13E+08	113479926	+	6.05E-24	2.17E-22	0.311695	hyper	sig	chr12_113479926
chr15	89371810	89371810	+	6.05E-24	2.17E-22	0.263035	hyper	sig	chr15_89371810
chr19	11674310	11674310	+	6.088E-24	2.1835E-22	0.279198	hyper	sig	chr19_11674310
chr5	1946098	1946098	+	6.089E-24	2.1838E-22	-0.39241	hypo	sig	chr5_1946098
chr19	14149852	14149852	+	6.089E-24	2.184E-22	0.233596	hyper	sig	chr19_14149852
chr19	56671526	56671526	+	6.095E-24	2.186E-22	0.29464	hyper	sig	chr19_56671526
chr14	43541160	43541160	+	6.104E-24	2.1891E-22	-0.37396	hypo	sig	chr14_43541160
chr4	1.74E+08	173519535	+	6.107E-24	2.1901E-22	0.319933	hyper	sig	chr4_173519535
chr1	1448658	1448658	+	6.108E-24	2.1903E-22	-0.31492	hypo	sig	chr1_1448658
chr5	1.41E+08	141410085	+	6.108E-24	2.1903E-22	0.380583	hyper	sig	chr5_141410085
chr2	1.18E+08	118310361	+	6.123E-24	2.1955E-22	0.201129	hyper	sig	chr2_118310361
chr5	88892887	88892887	+	6.126E-24	2.1963E-22	-0.32615	hypo	sig	chr5_88892887
chr3	1.82E+08	181710775	+	6.128E-24	2.197E-22	0.330451	hyper	sig	chr3_181710775
chr1	18109364	18109364	+	6.129E-24	2.1973E-22	0.250986	hyper	sig	chr1_18109364
chr1	1.57E+08	156647022	+	6.139E-24	2.2008E-22	0.320013	hyper	sig	chr1_156647022
chr11	32426445	32426445	+	6.14E-24	2.2009E-22	0.345787	hyper	sig	chr11_32426445
chr5	59894038	59894038	+	6.148E-24	2.2039E-22	0.247617	hyper	sig	chr5_59894038
chr1	2.03E+08	202707069	+	6.157E-24	2.207E-22	-0.22257	hypo	sig	chr1_202707069
chr14	60507807	60507807	+	6.159E-24	2.2075E-22	0.213796	hyper	sig	chr14_60507807
chr2	56193008	56193008	+	6.161E-24	2.2081E-22	-0.30407	hypo	sig	chr2_56193008
chr19	15443805	15443805	+	6.163E-24	2.2088E-22	-0.31907	hypo	sig	chr19_15443805
chr16	83935262	83935262	+	6.164E-24	2.2088E-22	-0.36813	hypo	sig	chr16_83935262
chr18	10589191	10589191	+	6.163E-24	2.2088E-22	-0.35207	hypo	sig	chr18_10589191
chr11	1.3E+08	129743679	+	6.171E-24	2.2112E-22	-0.34859	hypo	sig	chr11_129743679
chr5	1.81E+08	181059696	+	6.171E-24	2.2112E-22	0.29144	hyper	sig	chr5_181059696
chr6	10886865	10886865	+	6.175E-24	2.2126E-22	0.298094	hyper	sig	chr6_10886865
chr6	1.69E+08	169159486	+	6.19E-24	2.218E-22	-0.26983	hypo	sig	chr6_169159486
chr6	34134389	34134389	+	6.192E-24	2.2185E-22	-0.26996	hypo	sig	chr6_34134389
chr6	10422099	10422099	+	6.194E-24	2.2191E-22	0.369949	hyper	sig	chr6_10422099
chr13	36130643	36130643	+	6.203E-24	2.2223E-22	0.23977	hyper	sig	chr13_36130643
chr11	69654383	69654383	+	6.204E-24	2.2226E-22	-0.2276	hypo	sig	chr11_69654383
chr4	41748335	41748335	+	6.208E-24	2.224E-22	0.333071	hyper	sig	chr4_41748335
chr8	70070700	70070700	+	6.209E-24	2.224E-22	0.24442	hyper	sig	chr8_70070700
chr16	51153703	51153703	+	6.213E-24	2.2253E-22	0.351125	hyper	sig	chr16_51153703

chr4	1.74E+08	173528920	+	6.214E-24	2.2258E-22	0.324742	hyper	sig	chr4_173528920
chr11	1.16E+08	115659504	+	6.216E-24	2.2261E-22	0.267693	hyper	sig	chr11_115659504
chr14	36513519	36513519	+	6.216E-24	2.2262E-22	0.30654	hyper	sig	chr14_36513519
chr2	86809866	86809866	+	6.23E-24	2.231E-22	0.326619	hyper	sig	chr2_86809866
chr12	1.21E+08	120719786	+	6.233E-24	2.2322E-22	-0.34868	hypo	sig	chr12_120719786
chr16	58464617	58464617	+	6.234E-24	2.2324E-22	0.250201	hyper	sig	chr16_58464617
chr1	44407939	44407939	+	6.27E-24	2.2451E-22	0.322083	hyper	sig	chr1_44407939
chr5	1.41E+08	140856011	+	6.271E-24	2.2454E-22	0.310903	hyper	sig	chr5_140856011
chr5	59894025	59894025	+	6.272E-24	2.2457E-22	0.262958	hyper	sig	chr5_59894025
chr20	40683419	40683419	+	6.273E-24	2.2458E-22	0.28224	hyper	sig	chr20_40683419
chr11	69014696	69014696	+	6.274E-24	2.2462E-22	0.291187	hyper	sig	chr11_69014696
chr2	44932879	44932879	+	6.274E-24	2.2462E-22	0.388618	hyper	sig	chr2_44932879
chr8	66961198	66961198	+	6.279E-24	2.2479E-22	0.299607	hyper	sig	chr8_66961198
chr20	23053918	23053918	+	6.289E-24	2.2511E-22	-0.37557	hypo	sig	chr20_23053918
chr12	1.23E+08	123097720	+	6.297E-24	2.254E-22	0.266636	hyper	sig	chr12_123097720
chr5	77639178	77639178	+	6.305E-24	2.2568E-22	0.361756	hyper	sig	chr5_77639178
chr7	1.28E+08	128032194	+	6.312E-24	2.2592E-22	0.290672	hyper	sig	chr7_128032194
chr5	38258249	38258249	+	6.314E-24	2.2599E-22	0.344551	hyper	sig	chr5_38258249
chr22	19149390	19149390	+	6.315E-24	2.2602E-22	0.247924	hyper	sig	chr22_19149390
chr16	54936643	54936643	+	6.326E-24	2.2639E-22	0.218058	hyper	sig	chr16_54936643
chr1	10672297	10672297	+	6.335E-24	2.2671E-22	0.467409	hyper	sig	chr1_10672297
chr20	38677043	38677043	+	6.346E-24	2.2707E-22	-0.34562	hypo	sig	chr20_38677043
chr15	25072770	25072770	+	6.359E-24	2.2753E-22	-0.31719	hypo	sig	chr15_25072770
chr3	1.47E+08	147407983	+	6.359E-24	2.2754E-22	0.29416	hyper	sig	chr3_147407983
chr16	88410340	88410340	+	6.364E-24	2.277E-22	-0.35528	hypo	sig	chr16_88410340
chr2	1.19E+08	118770834	+	6.37E-24	2.2791E-22	-0.32213	hypo	sig	chr2_118770834
chr3	1.38E+08	137771859	+	6.371E-24	2.2791E-22	0.224032	hyper	sig	chr3_137771859
chr14	99512299	99512299	+	6.375E-24	2.2806E-22	0.360631	hyper	sig	chr14_99512299
chr1	9652518	9652518	+	6.376E-24	2.281E-22	0.27017	hyper	sig	chr1_9652518
chr6	77463212	77463212	+	6.381E-24	2.2825E-22	0.359656	hyper	sig	chr6_77463212
chr13	64958422	64958422	+	6.382E-24	2.2829E-22	-0.36347	hypo	sig	chr13_64958422
chr4	92304450	92304450	+	6.384E-24	2.2833E-22	0.285587	hyper	sig	chr4_92304450
chr4	95548962	95548962	+	6.384E-24	2.2833E-22	0.39242	hyper	sig	chr4_95548962
chr19	5037029	5037029	+	6.392E-24	2.2862E-22	0.290181	hyper	sig	chr19_5037029
chr7	1.5E+08	149765767	+	6.392E-24	2.2862E-22	0.370049	hyper	sig	chr7_149765767
chr2	2.39E+08	239309066	+	6.397E-24	2.2878E-22	0.300411	hyper	sig	chr2_239309066
chr15	1.01E+08	100544360	+	6.398E-24	2.2878E-22	0.343867	hyper	sig	chr15_100544360
chr19	40690035	40690035	+	6.399E-24	2.2881E-22	0.338291	hyper	sig	chr19_40690035
chr13	78597389	78597389	+	6.401E-24	2.2888E-22	0.454879	hyper	sig	chr13_78597389
chr17	68198843	68198843	+	6.406E-24	2.2904E-22	0.304429	hyper	sig	chr17_68198843
chr11	70410484	70410484	+	6.407E-24	2.2908E-22	0.22076	hyper	sig	chr11_70410484
chr12	53955433	53955433	+	6.408E-24	2.291E-22	0.357783	hyper	sig	chr12_53955433
chr12	75209272	75209272	+	6.426E-24	2.2975E-22	0.318439	hyper	sig	chr12_75209272
chr2	1.83E+08	182866871	+	6.432E-24	2.2993E-22	0.262211	hyper	sig	chr2_182866871
chr2	1818640	1818640	+	6.442E-24	2.3029E-22	-0.3611	hypo	sig	chr2_1818640
chr9	1.31E+08	131259621	+	6.451E-24	2.306E-22	-0.35925	hypo	sig	chr9_131259621
chr1	2.14E+08	214303879	+	6.453E-24	2.3065E-22	0.301601	hyper	sig	chr1_214303879
chr6	32054827	32054827	+	6.458E-24	2.3084E-22	-0.27086	hypo	sig	chr6_32054827
chr7	5349609	5349609	+	6.461E-24	2.3094E-22	0.335414	hyper	sig	chr7_5349609
chr4	41747329	41747329	+	6.477E-24	2.315E-22	0.425606	hyper	sig	chr4_41747329
chr1	1.47E+08	147072737	+	6.486E-24	2.3179E-22	0.324799	hyper	sig	chr1_147072737
chr7	1395464	1395464	+	6.487E-24	2.3182E-22	0.324236	hyper	sig	chr7_1395464
chr19	39489989	39489989	+	6.498E-24	2.3221E-22	0.320171	hyper	sig	chr19_39489989
chr3	62379339	62379339	+	6.504E-24	2.3241E-22	0.328291	hyper	sig	chr3_62379339
chr2	1.24E+08	124025666	+	6.523E-24	2.3307E-22	0.367468	hyper	sig	chr2_124025666
chr6	1.7E+08	169801564	+	6.525E-24	2.3315E-22	-0.31435	hypo	sig	chr6_169801564

chr2	1.28E+08	127535524	+	6.535E-24	2.3348E-22	-0.32873	hypo	sig	chr2_127535524
chr19	39892120	39892120	+	6.538E-24	2.336E-22	0.274478	hyper	sig	chr19_39892120
chr21	42362376	42362376	+	6.54E-24	2.3366E-22	0.291709	hyper	sig	chr21_42362376
chr14	94769091	94769091	+	6.543E-24	2.3373E-22	0.203787	hyper	sig	chr14_94769091
chr12	53966710	53966710	+	6.544E-24	2.3376E-22	0.326139	hyper	sig	chr12_53966710
chr6	1.69E+08	168999585	+	6.55E-24	2.3398E-22	-0.32093	hypo	sig	chr6_168999585
chr19	1775226	1775226	+	6.551E-24	2.3398E-22	0.299616	hyper	sig	chr19_1775226
chr14	75430708	75430708	+	6.566E-24	2.3451E-22	0.31855	hyper	sig	chr14_75430708
chr19	3821348	3821348	+	6.576E-24	2.3485E-22	-0.39814	hypo	sig	chr19_3821348
chr4	1.33E+08	133148135	+	6.591E-24	2.3538E-22	0.227147	hyper	sig	chr4_133148135
chr7	1055353	1055353	+	6.601E-24	2.3573E-22	0.330578	hyper	sig	chr7_1055353
chr3	1.97E+08	196650937	+	6.621E-24	2.3643E-22	-0.30174	hypo	sig	chr3_196650937
chr10	69569284	69569284	+	6.622E-24	2.3646E-22	0.388468	hyper	sig	chr10_69569284
chr10	86263428	86263428	+	6.623E-24	2.365E-22	0.256218	hyper	sig	chr10_86263428
chr11	43581384	43581384	+	6.624E-24	2.3652E-22	0.295288	hyper	sig	chr11_43581384
chr8	1.28E+08	127740853	+	6.625E-24	2.3654E-22	-0.34742	hypo	sig	chr8_127740853
chr5	1552992	1552992	+	6.628E-24	2.3663E-22	0.25785	hyper	sig	chr5_1552992
chr1	16226832	16226832	+	6.634E-24	2.3682E-22	0.265196	hyper	sig	chr1_16226832
chr4	41747372	41747372	+	6.635E-24	2.3688E-22	0.367875	hyper	sig	chr4_41747372
chr6	28634789	28634789	+	6.636E-24	2.3691E-22	0.307764	hyper	sig	chr6_28634789
chr12	1.13E+08	113136471	+	6.651E-24	2.3742E-22	-0.24482	hypo	sig	chr12_113136471
chr7	44219141	44219141	+	6.653E-24	2.3747E-22	-0.27241	hypo	sig	chr7_44219141
chr13	1.11E+08	110508052	+	6.654E-24	2.3749E-22	-0.37962	hypo	sig	chr13_110508052
chr6	1.27E+08	127119584	+	6.658E-24	2.3763E-22	0.207827	hyper	sig	chr6_127119584
chr16	4664055	4664055	+	6.668E-24	2.3795E-22	-0.31591	hypo	sig	chr16_4664055
chr16	85534781	85534781	+	6.668E-24	2.3795E-22	0.254317	hyper	sig	chr16_85534781
chr13	36673596	36673596	+	6.688E-24	2.3864E-22	0.33226	hyper	sig	chr13_36673596
chr6	30260433	30260433	+	6.698E-24	2.3899E-22	0.257743	hyper	sig	chr6_30260433
chr10	50674887	50674887	+	6.706E-24	2.3928E-22	-0.30319	hypo	sig	chr10_50674887
chr17	82882983	82882983	+	6.708E-24	2.3934E-22	-0.29606	hypo	sig	chr17_82882983
chr17	40179954	40179954	+	6.714E-24	2.3954E-22	-0.34566	hypo	sig	chr17_40179954
chr6	1.6E+08	160258789	+	6.721E-24	2.3979E-22	0.243194	hyper	sig	chr6_160258789
chr1	2E+08	200035635	+	6.722E-24	2.3982E-22	0.248219	hyper	sig	chr1_200035635
chr6	1.66E+08	166005526	+	6.722E-24	2.3982E-22	0.278505	hyper	sig	chr6_166005526
chr5	1.41E+08	141428220	+	6.726E-24	2.3994E-22	0.294613	hyper	sig	chr5_141428220
chr6	1E+08	100464036	+	6.728E-24	2.4E-22	0.323115	hyper	sig	chr6_100464036
chr4	386535	386535	+	6.737E-24	2.4029E-22	0.31401	hyper	sig	chr4_386535
chr11	1.29E+08	128867424	+	6.743E-24	2.4052E-22	-0.27723	hypo	sig	chr11_128867424
chr6	27288359	27288359	+	6.746E-24	2.4062E-22	0.211164	hyper	sig	chr6_27288359
chr3	9552623	9552623	+	6.749E-24	2.4069E-22	0.313763	hyper	sig	chr3_9552623
chr5	1.35E+08	135038807	+	6.752E-24	2.4077E-22	0.323222	hyper	sig	chr5_135038807
chr5	1.79E+08	179060793	+	6.751E-24	2.4077E-22	0.265939	hyper	sig	chr5_179060793
chr12	40620825	40620825	+	6.756E-24	2.4093E-22	-0.30043	hypo	sig	chr12_40620825
chr21	20997567	20997567	+	6.76E-24	2.4105E-22	0.320398	hyper	sig	chr21_20997567
chr1	6026388	6026388	+	6.766E-24	2.4124E-22	-0.21687	hypo	sig	chr1_6026388
chr13	26049558	26049558	+	6.766E-24	2.4124E-22	0.349628	hyper	sig	chr13_26049558
chr2	46299933	46299933	+	6.766E-24	2.4124E-22	-0.21754	hypo	sig	chr2_46299933
chr2	1.44E+08	143936816	+	6.768E-24	2.413E-22	0.219529	hyper	sig	chr2_143936816
chr3	1.27E+08	126541858	+	6.77E-24	2.4135E-22	0.39213	hyper	sig	chr3_126541858
chr17	40093079	40093079	+	6.776E-24	2.4157E-22	0.230558	hyper	sig	chr17_40093079
chr19	4531626	4531626	+	6.78E-24	2.4169E-22	-0.28066	hypo	sig	chr19_4531626
chr16	1266152	1266152	+	6.782E-24	2.4176E-22	-0.36062	hypo	sig	chr16_1266152
chr4	1.07E+08	107035854	+	6.787E-24	2.4191E-22	0.306233	hyper	sig	chr4_107035854
chr12	1.32E+08	132329050	+	6.792E-24	2.4209E-22	0.33462	hyper	sig	chr12_132329050
chr13	1.08E+08	107868630	+	6.796E-24	2.4223E-22	0.348084	hyper	sig	chr13_107868630
chr19	23075294	23075294	+	6.799E-24	2.4232E-22	0.237165	hyper	sig	chr19_23075294

chr1	78491157	78491157	+	6.806E-24	2.4256E-22	0.321864	hyper	sig	chr1_78491157
chr6	1.34E+08	134177948	+	6.809E-24	2.4266E-22	-0.2994	hypo	sig	chr6_134177948
chr2	2.42E+08	241843040	+	6.82E-24	2.4303E-22	-0.25805	hypo	sig	chr2_241843040
chr5	1.41E+08	141234797	+	6.834E-24	2.4352E-22	0.313693	hyper	sig	chr5_141234797
chr17	79390120	79390120	+	6.85E-24	2.4405E-22	-0.32261	hypo	sig	chr17_79390120
chr22	20438270	20438270	+	6.849E-24	2.4405E-22	0.313167	hyper	sig	chr22_20438270
chr6	1.57E+08	157134714	+	6.85E-24	2.4405E-22	0.251006	hyper	sig	chr6_157134714
chr1	6244387	6244387	+	6.86E-24	2.444E-22	0.208956	hyper	sig	chr1_6244387
chr14	1E+08	100328901	+	6.869E-24	2.447E-22	-0.34844	hypo	sig	chr14_100328901
chr16	55656544	55656544	+	6.884E-24	2.4524E-22	0.278634	hyper	sig	chr16_55656544
chr20	21713877	21713877	+	6.887E-24	2.4535E-22	0.353456	hyper	sig	chr20_21713877
chr5	1.41E+08	141389481	+	6.891E-24	2.4547E-22	0.301655	hyper	sig	chr5_141389481
chr11	1.19E+08	118971787	+	6.893E-24	2.4552E-22	0.388771	hyper	sig	chr11_118971787
chr7	1.51E+08	151409138	+	6.893E-24	2.4553E-22	-0.28981	hypo	sig	chr7_151409138
chr17	48734126	48734126	+	6.9E-24	2.4575E-22	0.244796	hyper	sig	chr17_48734126
chr3	1.13E+08	113441575	+	6.904E-24	2.4587E-22	0.314863	hyper	sig	chr3_113441575
chr17	28711668	28711668	+	6.913E-24	2.4621E-22	0.227857	hyper	sig	chr17_28711668
chr13	1.1E+08	110438551	+	6.915E-24	2.4625E-22	-0.30685	hypo	sig	chr13_110438551
chr19	37251837	37251837	+	6.921E-24	2.4645E-22	0.34994	hyper	sig	chr19_37251837
chr6	5999059	5999059	+	6.937E-24	2.47E-22	0.319363	hyper	sig	chr6_5999059
chr2	2.22E+08	222304810	+	6.942E-24	2.4718E-22	0.352516	hyper	sig	chr2_222304810
chr9	91421193	91421193	+	6.945E-24	2.4728E-22	0.310296	hyper	sig	chr9_91421193
chr16	66579224	66579224	+	6.949E-24	2.4742E-22	0.221124	hyper	sig	chr16_66579224
chr2	19357460	19357460	+	6.95E-24	2.4744E-22	0.352493	hyper	sig	chr2_19357460
chr15	73727893	73727893	+	6.958E-24	2.477E-22	-0.34284	hypo	sig	chr15_73727893
chr7	1.59E+08	159144424	+	6.96E-24	2.4775E-22	0.284898	hyper	sig	chr7_159144424
chr22	23144840	23144840	+	6.965E-24	2.4792E-22	-0.25661	hypo	sig	chr22_23144840
chr19	20661419	20661419	+	6.972E-24	2.4815E-22	0.222987	hyper	sig	chr19_20661419
chr8	13566834	13566834	+	6.972E-24	2.4815E-22	0.222741	hyper	sig	chr8_13566834
chr16	706391	706391	+	6.974E-24	2.4823E-22	0.241525	hyper	sig	chr16_706391
chr7	1602342	1602342	+	6.978E-24	2.4836E-22	-0.3417	hypo	sig	chr7_1602342
chr6	32153122	32153122	+	6.989E-24	2.4874E-22	0.282785	hyper	sig	chr6_32153122
chr16	89817580	89817580	+	6.999E-24	2.4909E-22	-0.26018	hypo	sig	chr16_89817580
chr8	1974970	1974970	+	7.003E-24	2.4922E-22	0.285795	hyper	sig	chr8_1974970
chr16	85892514	85892514	+	7.01E-24	2.4946E-22	-0.27629	hypo	sig	chr16_85892514
chr22	50017269	50017269	+	7.012E-24	2.4949E-22	-0.31717	hypo	sig	chr22_50017269
chr3	1.39E+08	138938743	+	7.02E-24	2.4979E-22	0.211603	hyper	sig	chr3_138938743
chr19	52492858	52492858	+	7.028E-24	2.5007E-22	0.346386	hyper	sig	chr19_52492858
chr2	73291594	73291594	+	7.033E-24	2.5023E-22	0.263468	hyper	sig	chr2_73291594
chr14	1.01E+08	101077821	+	7.039E-24	2.5041E-22	0.279177	hyper	sig	chr14_101077821
chr11	65833302	65833302	+	7.039E-24	2.5042E-22	0.362484	hyper	sig	chr11_65833302
chr10	70602993	70602993	+	7.041E-24	2.5047E-22	-0.2986	hypo	sig	chr10_70602993
chr1	54376791	54376791	+	7.051E-24	2.5081E-22	-0.36211	hypo	sig	chr1_54376791
chr13	1.12E+08	111920727	+	7.054E-24	2.5092E-22	-0.25836	hypo	sig	chr13_111920727
chr12	44876970	44876970	+	7.061E-24	2.5116E-22	0.265371	hyper	sig	chr12_44876970
chr19	48836174	48836174	+	7.08E-24	2.5183E-22	0.280866	hyper	sig	chr19_48836174
chr4	1.85E+08	185016547	+	7.114E-24	2.53E-22	0.316511	hyper	sig	chr4_185016547
chr3	1.94E+08	194370463	+	7.115E-24	2.5304E-22	-0.36844	hypo	sig	chr3_194370463
chr6	31730957	31730957	+	7.125E-24	2.5338E-22	-0.29186	hypo	sig	chr6_31730957
chr19	52402289	52402289	+	7.139E-24	2.5389E-22	-0.4682	hypo	sig	chr19_52402289
chr3	1.96E+08	195803262	+	7.145E-24	2.5409E-22	0.272292	hyper	sig	chr3_195803262
chr2	2.02E+08	202035769	+	7.148E-24	2.5416E-22	0.348218	hyper	sig	chr2_202035769
chr17	81330388	81330388	+	7.158E-24	2.5453E-22	-0.34765	hypo	sig	chr17_81330388
chr1	1.21E+08	121009566	+	7.159E-24	2.5454E-22	0.252315	hyper	sig	chr1_121009566
chr10	1.04E+08	103661073	+	7.162E-24	2.5464E-22	0.334754	hyper	sig	chr10_103661073
chr13	36432252	36432252	+	7.174E-24	2.5505E-22	0.319732	hyper	sig	chr13_36432252

chr5	6448926	6448926	+	7.177E-24	2.5516E-22	0.207181	hyper	sig	chr5_6448926
chr1	2.13E+08	212791096	+	7.178E-24	2.5516E-22	-0.3104	hypo	sig	chr1_212791096
chr5	1.41E+08	141374357	+	7.18E-24	2.5522E-22	0.274175	hyper	sig	chr5_141374357
chr10	99329054	99329054	+	7.195E-24	2.5575E-22	0.268928	hyper	sig	chr10_99329054
chr8	64369741	64369741	+	7.197E-24	2.5581E-22	0.382272	hyper	sig	chr8_64369741
chr8	68330782	68330782	+	7.205E-24	2.5608E-22	0.380376	hyper	sig	chr8_68330782
chr19	13000094	13000094	+	7.216E-24	2.5646E-22	0.224359	hyper	sig	chr19_13000094
chr5	77643689	77643689	+	7.217E-24	2.565E-22	0.285899	hyper	sig	chr5_77643689
chr19	941910	941910	+	7.224E-24	2.5672E-22	0.265013	hyper	sig	chr19_941910
chr4	92305412	92305412	+	7.229E-24	2.569E-22	0.242764	hyper	sig	chr4_92305412
chr16	31331735	31331735	+	7.235E-24	2.5709E-22	0.337817	hyper	sig	chr16_31331735
chr17	18636482	18636482	+	7.239E-24	2.5724E-22	-0.29068	hypo	sig	chr17_18636482
chr7	1.55E+08	155381517	+	7.24E-24	2.5725E-22	0.203991	hyper	sig	chr7_155381517
chr2	1.61E+08	161426920	+	7.25E-24	2.576E-22	0.231	hyper	sig	chr2_161426920
chr21	44990067	44990067	+	7.251E-24	2.5762E-22	0.289368	hyper	sig	chr21_44990067
chr1	24931264	24931264	+	7.254E-24	2.577E-22	0.422835	hyper	sig	chr1_24931264
chr7	94394960	94394960	+	7.256E-24	2.5779E-22	0.300512	hyper	sig	chr7_94394960
chr5	1.4E+08	139710259	+	7.258E-24	2.5782E-22	-0.30613	hypo	sig	chr5_139710259
chr19	57477129	57477129	+	7.261E-24	2.5794E-22	0.230898	hyper	sig	chr19_57477129
chr11	57483345	57483345	+	7.285E-24	2.5878E-22	0.255004	hyper	sig	chr11_57483345
chr16	88155067	88155067	+	7.291E-24	2.5897E-22	-0.26405	hypo	sig	chr16_88155067
chr6	75204996	75204996	+	7.307E-24	2.5952E-22	0.231338	hyper	sig	chr6_75204996
chr3	62369850	62369850	+	7.308E-24	2.5956E-22	0.327939	hyper	sig	chr3_62369850
chr8	1931475	1931475	+	7.308E-24	2.5956E-22	-0.27542	hypo	sig	chr8_1931475
chr1	9652527	9652527	+	7.311E-24	2.5964E-22	0.251538	hyper	sig	chr1_9652527
chr16	46731562	46731562	+	7.313E-24	2.5969E-22	-0.29824	hypo	sig	chr16_46731562
chr3	62374223	62374223	+	7.315E-24	2.5976E-22	0.270311	hyper	sig	chr3_62374223
chr8	11708101	11708101	+	7.316E-24	2.5979E-22	0.361848	hyper	sig	chr8_11708101
chr19	50639331	50639331	+	7.317E-24	2.598E-22	0.25746	hyper	sig	chr19_50639331
chr6	1.5E+08	149964525	+	7.327E-24	2.6016E-22	0.221094	hyper	sig	chr6_149964525
chr14	47675077	47675077	+	7.328E-24	2.6017E-22	0.324972	hyper	sig	chr14_47675077
chr9	41273932	41273932	+	7.333E-24	2.6034E-22	0.234026	hyper	sig	chr9_41273932
chr3	49902715	49902715	+	7.335E-24	2.6041E-22	-0.28736	hypo	sig	chr3_49902715
chr5	1973660	1973660	+	7.337E-24	2.6044E-22	-0.33119	hypo	sig	chr5_1973660
chr6	1.66E+08	165988629	+	7.337E-24	2.6045E-22	0.317532	hyper	sig	chr6_165988629
chr11	1.23E+08	123431064	+	7.34E-24	2.6056E-22	0.231348	hyper	sig	chr11_123431064
chr15	89406351	89406351	+	7.349E-24	2.6083E-22	0.274026	hyper	sig	chr15_89406351
chr8	1.01E+08	101494378	+	7.352E-24	2.6095E-22	-0.2604	hypo	sig	chr8_101494378
chr19	57935039	57935039	+	7.361E-24	2.6125E-22	0.360622	hyper	sig	chr19_57935039
chr13	78607960	78607960	+	7.37E-24	2.6156E-22	0.37107	hyper	sig	chr13_78607960
chr8	1.3E+08	130019506	+	7.373E-24	2.6166E-22	-0.28904	hypo	sig	chr8_130019506
chr1	1.14E+08	114154279	+	7.387E-24	2.6214E-22	0.276022	hyper	sig	chr1_114154279
chr12	1.3E+08	129700471	+	7.392E-24	2.6232E-22	-0.25246	hypo	sig	chr12_129700471
chr4	1.47E+08	147480984	+	7.395E-24	2.624E-22	0.361679	hyper	sig	chr4_147480984
chr22	45671257	45671257	+	7.396E-24	2.6241E-22	0.281409	hyper	sig	chr22_45671257
chr19	22259720	22259720	+	7.398E-24	2.6247E-22	-0.36223	hypo	sig	chr19_22259720
chr15	59994259	59994259	+	7.403E-24	2.6265E-22	0.245228	hyper	sig	chr15_59994259
chr16	1137941	1137941	+	7.415E-24	2.6305E-22	-0.37527	hypo	sig	chr16_1137941
chr7	1.5E+08	150221144	+	7.422E-24	2.6329E-22	0.283988	hyper	sig	chr7_150221144
chr5	1.69E+08	169301270	+	7.432E-24	2.6365E-22	0.389062	hyper	sig	chr5_169301270
chr13	42574200	42574200	+	7.439E-24	2.6388E-22	0.331892	hyper	sig	chr13_42574200
chr11	7252267	7252267	+	7.44E-24	2.6391E-22	0.259994	hyper	sig	chr11_7252267
chr1	1.98E+08	197776136	+	7.443E-24	2.64E-22	-0.27822	hypo	sig	chr1_197776136
chr11	45693967	45693967	+	7.448E-24	2.6417E-22	-0.3207	hypo	sig	chr11_45693967
chr8	66963129	66963129	+	7.452E-24	2.6428E-22	0.329871	hyper	sig	chr8_66963129
chr17	4785386	4785386	+	7.457E-24	2.6446E-22	0.225262	hyper	sig	chr17_4785386

chr19	599343	599343	+	7.462E-24	2.6463E-22	-0.32006	hypo	sig	chr19_599343
chr4	3370201	3370201	+	7.471E-24	2.6494E-22	0.243622	hyper	sig	chr4_3370201
chr2	1.3E+08	130005994	+	7.473E-24	2.6498E-22	0.283117	hyper	sig	chr2_130005994
chr11	23653457	23653457	+	7.49E-24	2.6558E-22	-0.39145	hypo	sig	chr11_23653457
chr20	63064404	63064404	+	7.497E-24	2.6581E-22	-0.3376	hypo	sig	chr20_63064404
chr12	95549255	95549255	+	7.498E-24	2.6586E-22	0.249375	hyper	sig	chr12_95549255
chr1	16521047	16521047	+	7.506E-24	2.6613E-22	0.378109	hyper	sig	chr1_16521047
chr5	32709011	32709011	+	7.507E-24	2.6615E-22	-0.33103	hypo	sig	chr5_32709011
chr2	98346673	98346673	+	7.509E-24	2.662E-22	0.327381	hyper	sig	chr2_98346673
chr8	1.28E+08	128109296	+	7.513E-24	2.6632E-22	0.324778	hyper	sig	chr8_128109296
chr10	23171748	23171748	+	7.521E-24	2.6659E-22	0.316525	hyper	sig	chr10_23171748
chr6	1.06E+08	105986583	+	7.522E-24	2.6661E-22	0.300227	hyper	sig	chr6_105986583
chr21	45286782	45286782	+	7.53E-24	2.6691E-22	0.326125	hyper	sig	chr21_45286782
chr8	1.41E+08	141141051	+	7.537E-24	2.6713E-22	0.343043	hyper	sig	chr8_141141051
chr10	69823488	69823488	+	7.539E-24	2.6719E-22	-0.2858	hypo	sig	chr10_69823488
chr4	1.55E+08	155376483	+	7.543E-24	2.6731E-22	0.293169	hyper	sig	chr4_155376483
chr1	2.29E+08	229407358	+	7.544E-24	2.6734E-22	0.388443	hyper	sig	chr1_229407358
chr12	94186897	94186897	+	7.564E-24	2.6804E-22	0.296436	hyper	sig	chr12_94186897
chr1	1.47E+08	147072749	+	7.565E-24	2.6808E-22	0.358777	hyper	sig	chr1_147072749
chr8	11347199	11347199	+	7.566E-24	2.6809E-22	0.290164	hyper	sig	chr8_11347199
chr7	1520790	1520790	+	7.571E-24	2.6826E-22	-0.31574	hypo	sig	chr7_1520790
chr16	89201609	89201609	+	7.586E-24	2.6878E-22	0.236021	hyper	sig	chr16_89201609
chr8	4994963	4994963	+	7.596E-24	2.6913E-22	0.293449	hyper	sig	chr8_4994963
chr12	1.27E+08	126741564	+	7.598E-24	2.6917E-22	-0.28637	hypo	sig	chr12_126741564
chr10	1.3E+08	130013311	+	7.601E-24	2.6927E-22	0.337202	hyper	sig	chr10_130013311
chr6	27871770	27871770	+	7.609E-24	2.6955E-22	-0.20617	hypo	sig	chr6_27871770
chr10	81875571	81875571	+	7.623E-24	2.7002E-22	0.252777	hyper	sig	chr10_81875571
chr5	1.55E+08	154691556	+	7.625E-24	2.7006E-22	0.343551	hyper	sig	chr5_154691556
chr13	1.12E+08	111857408	+	7.626E-24	2.701E-22	-0.32645	hypo	sig	chr13_111857408
chr7	1.52E+08	151844964	+	7.629E-24	2.7021E-22	-0.28115	hypo	sig	chr7_151844964
chr19	37551317	37551317	+	7.636E-24	2.7043E-22	0.41537	hyper	sig	chr19_37551317
chr3	1.41E+08	141067279	+	7.639E-24	2.7053E-22	-0.32899	hypo	sig	chr3_141067279
chr20	25081183	25081183	+	7.647E-24	2.708E-22	0.432316	hyper	sig	chr20_25081183
chr4	1.33E+08	133149269	+	7.676E-24	2.7182E-22	0.297436	hyper	sig	chr4_133149269
chr7	1.49E+08	149415265	+	7.678E-24	2.7186E-22	0.28421	hyper	sig	chr7_149415265
chr12	53961699	53961699	+	7.681E-24	2.7195E-22	0.337302	hyper	sig	chr12_53961699
chr20	43189234	43189234	+	7.685E-24	2.7211E-22	0.261094	hyper	sig	chr20_43189234
chr17	20276830	20276830	+	7.688E-24	2.722E-22	0.29496	hyper	sig	chr17_20276830
chr17	83014480	83014480	+	7.69E-24	2.7227E-22	-0.30807	hypo	sig	chr17_83014480
chr12	54006516	54006516	+	7.697E-24	2.7248E-22	-0.26507	hypo	sig	chr12_54006516
chr12	1.33E+08	132908287	+	7.699E-24	2.7254E-22	0.251946	hyper	sig	chr12_132908287
chr7	1.49E+08	149415298	+	7.699E-24	2.7254E-22	0.305478	hyper	sig	chr7_149415298
chr12	6056563	6056563	+	7.726E-24	2.7347E-22	-0.23928	hypo	sig	chr12_6056563
chr7	92608996	92608996	+	7.729E-24	2.7357E-22	-0.33881	hypo	sig	chr7_92608996
chr14	36655787	36655787	+	7.731E-24	2.7364E-22	0.354964	hyper	sig	chr14_36655787
chr6	1.67E+08	166870922	+	7.74E-24	2.7393E-22	-0.21078	hypo	sig	chr6_166870922
chr2	2.41E+08	240646460	+	7.748E-24	2.7421E-22	-0.29319	hypo	sig	chr2_240646460
chr1	36150263	36150263	+	7.751E-24	2.7429E-22	0.281535	hyper	sig	chr1_36150263
chr1	12596162	12596162	+	7.755E-24	2.7442E-22	0.297833	hyper	sig	chr1_12596162
chr2	25166195	25166195	+	7.774E-24	2.7509E-22	-0.28057	hypo	sig	chr2_25166195
chr2	1.44E+08	143937608	+	7.776E-24	2.7516E-22	0.249084	hyper	sig	chr2_143937608
chr8	26044760	26044760	+	7.784E-24	2.7542E-22	0.227862	hyper	sig	chr8_26044760
chr2	1.61E+08	161427498	+	7.786E-24	2.7548E-22	0.286048	hyper	sig	chr2_161427498
chr2	1.71E+08	170815290	+	7.793E-24	2.757E-22	0.295516	hyper	sig	chr2_170815290
chr22	38214461	38214461	+	7.795E-24	2.7576E-22	0.373925	hyper	sig	chr22_38214461
chr12	52116019	52116019	+	7.803E-24	2.7605E-22	-0.32293	hypo	sig	chr12_52116019

chr6	1.66E+08	165664170	+	7.807E-24	2.7618E-22	0.284923	hyper	sig	chr6_165664170
chr10	3288370	3288370	+	7.813E-24	2.7637E-22	-0.34746	hypo	sig	chr10_3288370
chr9	1.34E+08	133565659	+	7.817E-24	2.7649E-22	0.358572	hyper	sig	chr9_133565659
chr1	1.53E+08	152515786	+	7.827E-24	2.7686E-22	0.207056	hyper	sig	chr1_152515786
chr2	31137938	31137938	+	7.832E-24	2.7702E-22	0.211037	hyper	sig	chr2_31137938
chr20	63805682	63805682	+	7.836E-24	2.7715E-22	-0.27018	hypo	sig	chr20_63805682
chr11	20160766	20160766	+	7.837E-24	2.7717E-22	0.290988	hyper	sig	chr11_20160766
chr11	69819824	69819824	+	7.837E-24	2.7717E-22	0.273116	hyper	sig	chr11_69819824
chr16	88151267	88151267	+	7.848E-24	2.7751E-22	-0.31841	hypo	sig	chr16_88151267
chr12	1.28E+08	128366133	+	7.859E-24	2.7789E-22	0.244738	hyper	sig	chr12_128366133
chr12	1.31E+08	130711863	+	7.878E-24	2.7857E-22	-0.32028	hypo	sig	chr12_130711863
chr7	19106941	19106941	+	7.883E-24	2.7873E-22	0.330518	hyper	sig	chr7_19106941
chr10	49679442	49679442	+	7.893E-24	2.7908E-22	0.318448	hyper	sig	chr10_49679442
chr17	56597844	56597844	+	7.895E-24	2.7913E-22	0.248715	hyper	sig	chr17_56597844
chr14	73718571	73718571	+	7.904E-24	2.7944E-22	0.316105	hyper	sig	chr14_73718571
chr19	56638237	56638237	+	7.943E-24	2.8078E-22	0.285584	hyper	sig	chr19_56638237
chr7	1.29E+08	128915671	+	7.947E-24	2.809E-22	0.344643	hyper	sig	chr7_128915671
chr16	54933774	54933774	+	7.952E-24	2.8106E-22	0.37312	hyper	sig	chr16_54933774
chr1	1.21E+08	121009560	+	7.952E-24	2.8107E-22	0.258606	hyper	sig	chr1_121009560
chr20	9514828	9514828	+	7.955E-24	2.8114E-22	0.220936	hyper	sig	chr20_9514828
chr5	1.81E+08	181100573	+	7.955E-24	2.8115E-22	0.24896	hyper	sig	chr5_181100573
chr19	56393708	56393708	+	7.973E-24	2.8177E-22	0.322602	hyper	sig	chr19_56393708
chr19	39507604	39507604	+	7.989E-24	2.8233E-22	0.218559	hyper	sig	chr19_39507604
chr2	73203219	73203219	+	7.99E-24	2.8236E-22	0.383524	hyper	sig	chr2_73203219
chr10	6179304	6179304	+	7.994E-24	2.8248E-22	0.223062	hyper	sig	chr10_6179304
chr6	30685978	30685978	+	7.996E-24	2.8254E-22	0.276949	hyper	sig	chr6_30685978
chr5	41509829	41509829	+	7.997E-24	2.8255E-22	0.296883	hyper	sig	chr5_41509829
chr1	30920998	30920998	+	7.998E-24	2.8259E-22	-0.33998	hypo	sig	chr1_30920998
chr5	1931262	1931262	+	8.008E-24	2.829E-22	0.292796	hyper	sig	chr5_1931262
chr11	1.23E+08	123431871	+	8.015E-24	2.8315E-22	-0.26928	hypo	sig	chr11_123431871
chr11	32434262	32434262	+	8.04E-24	2.8402E-22	0.387489	hyper	sig	chr11_32434262
chr10	1.17E+08	117132117	+	8.044E-24	2.8412E-22	0.29565	hyper	sig	chr10_117132117
chr2	2.17E+08	216694760	+	8.045E-24	2.8417E-22	0.310606	hyper	sig	chr2_216694760
chr11	1162121	1162121	+	8.048E-24	2.8427E-22	-0.34562	hypo	sig	chr11_1162121
chr1	37476253	37476253	+	8.057E-24	2.8458E-22	-0.29835	hypo	sig	chr1_37476253
chr1	2248596	2248596	+	8.059E-24	2.8463E-22	-0.33614	hypo	sig	chr1_2248596
chr19	43781854	43781854	+	8.069E-24	2.8497E-22	-0.2548	hypo	sig	chr19_43781854
chr10	11164809	11164809	+	8.083E-24	2.8546E-22	0.285161	hyper	sig	chr10_11164809
chr12	1.11E+08	111035889	+	8.09E-24	2.8567E-22	0.277954	hyper	sig	chr12_111035889
chr11	30583864	30583864	+	8.111E-24	2.8641E-22	0.326926	hyper	sig	chr11_30583864
chr1	1.11E+08	111271076	+	8.115E-24	2.8652E-22	0.30098	hyper	sig	chr1_111271076
chr11	2869535	2869535	+	8.125E-24	2.8686E-22	0.351096	hyper	sig	chr11_2869535
chr12	1.32E+08	132353136	+	8.126E-24	2.8691E-22	-0.33678	hypo	sig	chr12_132353136
chr10	1.32E+08	132295080	+	8.148E-24	2.8767E-22	-0.29126	hypo	sig	chr10_132295080
chr2	70768066	70768066	+	8.169E-24	2.8837E-22	0.327373	hyper	sig	chr2_70768066
chr5	1.41E+08	140856001	+	8.169E-24	2.8837E-22	0.309173	hyper	sig	chr5_140856001
chr8	96159513	96159513	+	8.17E-24	2.8839E-22	0.341518	hyper	sig	chr8_96159513
chr20	46513690	46513690	+	8.189E-24	2.8907E-22	0.265903	hyper	sig	chr20_46513690
chr17	52159995	52159995	+	8.207E-24	2.8968E-22	0.261424	hyper	sig	chr17_52159995
chr7	1.43E+08	143388565	+	8.236E-24	2.907E-22	0.227101	hyper	sig	chr7_143388565
chr15	40927044	40927044	+	8.244E-24	2.9098E-22	-0.26276	hypo	sig	chr15_40927044
chr4	1.23E+08	122826378	+	8.258E-24	2.9144E-22	0.283627	hyper	sig	chr4_122826378
chr19	19211989	19211989	+	8.261E-24	2.9152E-22	0.326911	hyper	sig	chr19_19211989
chr17	40779721	40779721	+	8.262E-24	2.9154E-22	0.287947	hyper	sig	chr17_40779721
chr6	27312276	27312276	+	8.27E-24	2.9184E-22	0.240775	hyper	sig	chr6_27312276
chr7	1.18E+08	118214666	+	8.286E-24	2.9238E-22	0.250674	hyper	sig	chr7_118214666

chr20	40690667	40690667	+	8.288E-24	2.9243E-22	0.224257	hyper	sig	chr20_40690667
chr6	10410326	10410326	+	8.295E-24	2.9265E-22	0.364547	hyper	sig	chr6_10410326
chr2	2.22E+08	222299090	+	8.305E-24	2.9299E-22	0.234375	hyper	sig	chr2_222299090
chr10	22345246	22345246	+	8.315E-24	2.9333E-22	0.273566	hyper	sig	chr10_22345246
chr9	14993618	14993618	+	8.318E-24	2.9344E-22	0.34064	hyper	sig	chr9_14993618
chr12	89874762	89874762	+	8.328E-24	2.9376E-22	-0.24192	hypo	sig	chr12_89874762
chr3	21406094	21406094	+	8.328E-24	2.9377E-22	-0.31659	hypo	sig	chr3_21406094
chr21	44654699	44654699	+	8.332E-24	2.939E-22	-0.42709	hypo	sig	chr21_44654699
chr7	1.55E+08	155466135	+	8.344E-24	2.9432E-22	0.235453	hyper	sig	chr7_155466135
chr12	1.24E+08	124426812	+	8.345E-24	2.9433E-22	0.297247	hyper	sig	chr12_124426812
chr13	87674497	87674497	+	8.369E-24	2.9516E-22	0.315405	hyper	sig	chr13_87674497
chr1	1.51E+08	151145928	+	8.378E-24	2.9545E-22	0.250016	hyper	sig	chr1_151145928
chr12	9242752	9242752	+	8.381E-24	2.9556E-22	-0.28858	hypo	sig	chr12_9242752
chr13	1.13E+08	113405859	+	8.387E-24	2.9575E-22	-0.38403	hypo	sig	chr13_113405859
chr5	63959489	63959489	+	8.392E-24	2.9593E-22	0.278441	hyper	sig	chr5_63959489
chr19	49049388	49049388	+	8.394E-24	2.9596E-22	-0.29275	hypo	sig	chr19_49049388
chr10	1.01E+08	101135349	+	8.407E-24	2.9642E-22	0.403181	hyper	sig	chr10_101135349
chr16	54940052	54940052	+	8.418E-24	2.968E-22	0.309935	hyper	sig	chr16_54940052
chr19	56507479	56507479	+	8.447E-24	2.9779E-22	0.314533	hyper	sig	chr19_56507479
chr11	57646928	57646928	+	8.448E-24	2.9784E-22	0.354968	hyper	sig	chr11_57646928
chr1	5836630	5836630	+	8.45E-24	2.979E-22	-0.32005	hypo	sig	chr1_5836630
chr6	1.38E+08	138104987	+	8.454E-24	2.9803E-22	-0.28573	hypo	sig	chr6_138104987
chr8	70070609	70070609	+	8.456E-24	2.9808E-22	0.389113	hyper	sig	chr8_70070609
chr14	53953082	53953082	+	8.473E-24	2.9865E-22	0.319811	hyper	sig	chr14_53953082
chr7	8436468	8436468	+	8.478E-24	2.988E-22	0.30799	hyper	sig	chr7_8436468
chr1	12143694	12143694	+	8.51E-24	2.9992E-22	-0.22502	hypo	sig	chr1_12143694
chr13	1.14E+08	114031873	+	8.514E-24	3.0006E-22	0.283902	hyper	sig	chr13_114031873
chr20	41366938	41366938	+	8.514E-24	3.0006E-22	0.27365	hyper	sig	chr20_41366938
chr6	41028422	41028422	+	8.549E-24	3.0126E-22	0.362546	hyper	sig	chr6_41028422
chr4	20016798	20016798	+	8.559E-24	3.016E-22	-0.26884	hypo	sig	chr4_20016798
chr5	88678076	88678076	+	8.576E-24	3.0218E-22	0.343122	hyper	sig	chr5_88678076
chr2	2.06E+08	205687263	+	8.58E-24	3.0234E-22	0.293795	hyper	sig	chr2_205687263
chr6	84764787	84764787	+	8.584E-24	3.0244E-22	0.243823	hyper	sig	chr6_84764787
chr15	83379193	83379193	+	8.586E-24	3.025E-22	0.290137	hyper	sig	chr15_83379193
chr10	625067	625067	+	8.587E-24	3.0252E-22	0.300441	hyper	sig	chr10_625067
chr12	1.14E+08	114447465	+	8.61E-24	3.0331E-22	0.243048	hyper	sig	chr12_114447465
chr16	84819102	84819102	+	8.615E-24	3.0348E-22	-0.34728	hypo	sig	chr16_84819102
chr7	90118779	90118779	+	8.63E-24	3.0399E-22	0.226499	hyper	sig	chr7_90118779
chr1	99005245	99005245	+	8.634E-24	3.041E-22	0.254767	hyper	sig	chr1_99005245
chr20	57392585	57392585	+	8.654E-24	3.0481E-22	0.420965	hyper	sig	chr20_57392585
chr1	2.36E+08	236399793	+	8.656E-24	3.0486E-22	-0.30013	hypo	sig	chr1_236399793
chr6	393197	393197	+	8.661E-24	3.0504E-22	0.29737	hyper	sig	chr6_393197
chr20	21706763	21706763	+	8.669E-24	3.0531E-22	0.309831	hyper	sig	chr20_21706763
chr2	1.76E+08	176124847	+	8.672E-24	3.0538E-22	-0.29419	hypo	sig	chr2_176124847
chr2	1.19E+08	119157054	+	8.677E-24	3.0555E-22	0.334457	hyper	sig	chr2_119157054
chr17	78258048	78258048	+	8.685E-24	3.0582E-22	-0.34127	hypo	sig	chr17_78258048
chr15	88255424	88255424	+	8.686E-24	3.0586E-22	0.222536	hyper	sig	chr15_88255424
chr5	1.41E+08	141355792	+	8.696E-24	3.0617E-22	0.293518	hyper	sig	chr5_141355792
chr21	36712981	36712981	+	8.703E-24	3.0642E-22	0.345371	hyper	sig	chr21_36712981
chr3	27723773	27723773	+	8.704E-24	3.0642E-22	0.33738	hyper	sig	chr3_27723773
chr1	16015615	16015615	+	8.705E-24	3.0646E-22	0.326393	hyper	sig	chr1_16015615
chr7	1177297	1177297	+	8.709E-24	3.0658E-22	-0.32775	hypo	sig	chr7_1177297
chr7	5349601	5349601	+	8.715E-24	3.0678E-22	0.295487	hyper	sig	chr7_5349601
chr2	1.15E+08	115162619	+	8.719E-24	3.0691E-22	0.34627	hyper	sig	chr2_115162619
chr13	52848162	52848162	+	8.72E-24	3.0695E-22	0.334649	hyper	sig	chr13_52848162
chr1	1.71E+08	170660961	+	8.736E-24	3.0749E-22	0.360534	hyper	sig	chr1_170660961

chr8	1.42E+08	142335397	+	8.739E-24	3.0755E-22	-0.27644	hypo	sig	chr8_142335397
chr4	386144	386144	+	8.752E-24	3.0798E-22	0.39558	hyper	sig	chr4_386144
chr15	89470320	89470320	+	8.76E-24	3.0827E-22	0.272108	hyper	sig	chr15_89470320
chr1	3434542	3434542	+	8.774E-24	3.0873E-22	-0.27074	hypo	sig	chr1_3434542
chr10	1.32E+08	132186510	+	8.783E-24	3.0904E-22	0.380442	hyper	sig	chr10_132186510
chr11	26994444	26994444	+	8.784E-24	3.0906E-22	0.362518	hyper	sig	chr11_26994444
chr21	26967168	26967168	+	8.796E-24	3.0949E-22	0.344021	hyper	sig	chr21_26967168
chr2	1.72E+08	172108510	+	8.807E-24	3.0985E-22	0.308651	hyper	sig	chr2_172108510
chr20	21397838	21397838	+	8.815E-24	3.1011E-22	0.446478	hyper	sig	chr20_21397838
chr6	6003132	6003132	+	8.815E-24	3.1011E-22	0.278427	hyper	sig	chr6_6003132
chr2	1.15E+08	115163186	+	8.816E-24	3.1013E-22	0.301144	hyper	sig	chr2_115163186
chr1	2.29E+08	229434541	+	8.839E-24	3.1092E-22	0.248798	hyper	sig	chr1_229434541
chr9	34370837	34370837	+	8.846E-24	3.1114E-22	0.307198	hyper	sig	chr9_34370837
chr14	74501512	74501512	+	8.863E-24	3.1172E-22	0.302392	hyper	sig	chr14_74501512
chr19	1993051	1993051	+	8.879E-24	3.1228E-22	-0.34162	hypo	sig	chr19_1993051
chr11	20160748	20160748	+	8.893E-24	3.1274E-22	0.290414	hyper	sig	chr11_20160748
chr17	78665974	78665974	+	8.901E-24	3.1301E-22	-0.31557	hypo	sig	chr17_78665974
chr16	66604402	66604402	+	8.904E-24	3.131E-22	0.208506	hyper	sig	chr16_66604402
chr13	27269553	27269553	+	8.909E-24	3.1327E-22	-0.25609	hypo	sig	chr13_27269553
chr16	10877277	10877277	+	8.914E-24	3.1344E-22	-0.21185	hypo	sig	chr16_10877277
chr8	57214422	57214422	+	8.919E-24	3.1361E-22	-0.33316	hypo	sig	chr8_57214422
chr16	88354434	88354434	+	8.92E-24	3.1362E-22	-0.28566	hypo	sig	chr16_88354434
chr8	23710086	23710086	+	8.93E-24	3.1395E-22	0.278527	hyper	sig	chr8_23710086
chr13	1.06E+08	106377126	+	8.931E-24	3.1397E-22	-0.34194	hypo	sig	chr13_106377126
chr12	1.1E+08	109833196	+	8.934E-24	3.1408E-22	0.296356	hyper	sig	chr12_109833196
chr1	1.51E+08	151165120	+	8.936E-24	3.1414E-22	0.250362	hyper	sig	chr1_151165120
chr1	1.19E+08	119007882	+	8.94E-24	3.1424E-22	0.365537	hyper	sig	chr1_119007882
chr4	1.51E+08	150583739	+	8.949E-24	3.1455E-22	0.360482	hyper	sig	chr4_150583739
chr19	46426831	46426831	+	8.957E-24	3.1481E-22	0.205349	hyper	sig	chr19_46426831
chr19	52397826	52397826	+	8.981E-24	3.1564E-22	0.234892	hyper	sig	chr19_52397826
chr17	45262464	45262464	+	8.983E-24	3.1572E-22	0.293916	hyper	sig	chr17_45262464
chr1	22658101	22658101	+	8.984E-24	3.1573E-22	-0.28276	hypo	sig	chr1_22658101
chr6	27582977	27582977	+	8.984E-24	3.1573E-22	0.296865	hyper	sig	chr6_27582977
chr9	1.33E+08	133161282	+	9.001E-24	3.163E-22	-0.33054	hypo	sig	chr9_133161282
chr3	48656599	48656599	+	9.008E-24	3.1654E-22	0.206121	hyper	sig	chr3_48656599
chr20	59934522	59934522	+	9.014E-24	3.1673E-22	0.33999	hyper	sig	chr20_59934522
chr1	33307146	33307146	+	9.027E-24	3.1717E-22	0.302703	hyper	sig	chr1_33307146
chr11	1.27E+08	126991154	+	9.036E-24	3.1748E-22	-0.24474	hypo	sig	chr11_126991154
chr13	67229763	67229763	+	9.042E-24	3.1767E-22	0.202922	hyper	sig	chr13_67229763
chr2	88765305	88765305	+	9.052E-24	3.1803E-22	0.31059	hyper	sig	chr2_88765305
chr1	8211944	8211944	+	9.063E-24	3.184E-22	-0.30814	hypo	sig	chr1_8211944
chr8	52939802	52939802	+	9.068E-24	3.1854E-22	0.37864	hyper	sig	chr8_52939802
chr15	83283984	83283984	+	9.072E-24	3.1868E-22	0.3485	hyper	sig	chr15_83283984
chr11	2869485	2869485	+	9.086E-24	3.1915E-22	0.304042	hyper	sig	chr11_2869485
chr5	1239572	1239572	+	9.108E-24	3.1988E-22	-0.31491	hypo	sig	chr5_1239572
chr17	78456656	78456656	+	9.12E-24	3.2029E-22	-0.3525	hypo	sig	chr17_78456656
chr12	45051046	45051046	+	9.139E-24	3.2096E-22	0.310481	hyper	sig	chr12_45051046
chr20	38726612	38726612	+	9.15E-24	3.2131E-22	0.296054	hyper	sig	chr20_38726612
chr2	72924807	72924807	+	9.15E-24	3.2131E-22	0.213454	hyper	sig	chr2_72924807
chr5	54883814	54883814	+	9.154E-24	3.2144E-22	0.229357	hyper	sig	chr5_54883814
chr10	1.31E+08	131202208	+	9.162E-24	3.2168E-22	-0.30984	hypo	sig	chr10_131202208
chr4	1.5E+08	150257059	+	9.162E-24	3.2168E-22	-0.28131	hypo	sig	chr4_150257059
chr10	1.3E+08	129969834	+	9.163E-24	3.217E-22	0.247164	hyper	sig	chr10_129969834
chr19	51949144	51949144	+	9.165E-24	3.2178E-22	0.298377	hyper	sig	chr19_51949144
chr21	33027051	33027051	+	9.179E-24	3.2223E-22	0.274534	hyper	sig	chr21_33027051
chr13	44373967	44373967	+	9.201E-24	3.2299E-22	0.226307	hyper	sig	chr13_44373967

chr7	1.46E+08	146116419	+	9.202E-24	3.2303E-22	0.25231	hyper	sig	chr7_146116419
chr19	42096085	42096085	+	9.214E-24	3.2341E-22	0.427201	hyper	sig	chr19_42096085
chr1	1.65E+08	164576546	+	9.218E-24	3.2355E-22	0.338148	hyper	sig	chr1_164576546
chr20	48827302	48827302	+	9.22E-24	3.236E-22	0.219366	hyper	sig	chr20_48827302
chr11	65872307	65872307	+	9.222E-24	3.2367E-22	0.364213	hyper	sig	chr11_65872307
chr16	3183905	3183905	+	9.23E-24	3.2392E-22	0.258754	hyper	sig	chr16_3183905
chr15	89409734	89409734	+	9.233E-24	3.2402E-22	0.285525	hyper	sig	chr15_89409734
chr8	72251300	72251300	+	9.234E-24	3.2405E-22	0.31793	hyper	sig	chr8_72251300
chr7	6016040	6016040	+	9.237E-24	3.2414E-22	0.357963	hyper	sig	chr7_6016040
chr1	7782309	7782309	+	9.244E-24	3.2438E-22	-0.34209	hypo	sig	chr1_7782309
chr1	44408977	44408977	+	9.26E-24	3.2492E-22	0.22738	hyper	sig	chr1_44408977
chr6	1.08E+08	108163839	+	9.262E-24	3.2496E-22	0.267862	hyper	sig	chr6_108163839
chr2	1.5E+08	150489030	+	9.272E-24	3.2531E-22	-0.30776	hypo	sig	chr2_150489030
chr11	27475808	27475808	+	9.274E-24	3.2535E-22	-0.28904	hypo	sig	chr11_27475808
chr10	93074825	93074825	+	9.277E-24	3.2544E-22	0.228854	hyper	sig	chr10_93074825
chr17	1137391	1137391	+	9.286E-24	3.2575E-22	-0.37657	hypo	sig	chr17_1137391
chr16	89916011	89916011	+	9.299E-24	3.2619E-22	-0.25682	hypo	sig	chr16_89916011
chr10	1.01E+08	101218319	+	9.307E-24	3.2647E-22	0.277723	hyper	sig	chr10_101218319
chr16	85697650	85697650	+	9.308E-24	3.265E-22	-0.31474	hypo	sig	chr16_85697650
chr12	1.32E+08	132078041	+	9.316E-24	3.2675E-22	0.227266	hyper	sig	chr12_132078041
chr12	4909055	4909055	+	9.328E-24	3.2717E-22	0.283175	hyper	sig	chr12_4909055
chr4	1.53E+08	152935336	+	9.335E-24	3.2738E-22	-0.35746	hypo	sig	chr4_152935336
chr6	10384947	10384947	+	9.339E-24	3.2753E-22	0.361654	hyper	sig	chr6_10384947
chr5	1.81E+08	180629334	+	9.354E-24	3.2804E-22	-0.37587	hypo	sig	chr5_180629334
chr1	1.58E+08	158181518	+	9.369E-24	3.2852E-22	0.317543	hyper	sig	chr1_158181518
chr12	1.03E+08	102961360	+	9.369E-24	3.2852E-22	0.283801	hyper	sig	chr12_102961360
chr11	63999655	63999655	+	9.374E-24	3.2867E-22	0.36673	hyper	sig	chr11_63999655
chr13	36298011	36298011	+	9.374E-24	3.2867E-22	0.234136	hyper	sig	chr13_36298011
chr4	1.85E+08	185018962	+	9.382E-24	3.2895E-22	0.270761	hyper	sig	chr4_185018962
chr1	1.48E+08	148310181	+	9.383E-24	3.2897E-22	0.354285	hyper	sig	chr1_148310181
chr6	1.68E+08	167993532	+	9.391E-24	3.2922E-22	0.444903	hyper	sig	chr6_167993532
chr16	3175088	3175088	+	9.394E-24	3.2931E-22	0.332952	hyper	sig	chr16_3175088
chr11	1.23E+08	123299545	+	9.406E-24	3.2971E-22	-0.39639	hypo	sig	chr11_123299545
chr1	1.92E+08	192499273	+	9.408E-24	3.2977E-22	-0.23431	hypo	sig	chr1_192499273
chr1	2.34E+08	233905056	+	9.414E-24	3.2996E-22	0.274999	hyper	sig	chr1_233905056
chr18	21243292	21243292	+	9.416E-24	3.3003E-22	0.251569	hyper	sig	chr18_21243292
chr1	7782302	7782302	+	9.425E-24	3.3034E-22	-0.32145	hypo	sig	chr1_7782302
chr1	1.65E+08	165355435	+	9.435E-24	3.3065E-22	0.336457	hyper	sig	chr1_165355435
chr2	2.41E+08	240651165	+	9.445E-24	3.31E-22	-0.3169	hypo	sig	chr2_240651165
chr6	37630456	37630456	+	9.452E-24	3.3123E-22	-0.35609	hypo	sig	chr6_37630456
chr3	49674906	49674906	+	9.466E-24	3.317E-22	-0.32373	hypo	sig	chr3_49674906
chr12	1.03E+08	102962222	+	9.474E-24	3.3197E-22	0.291654	hyper	sig	chr12_102962222
chr5	71719696	71719696	+	9.487E-24	3.324E-22	0.349019	hyper	sig	chr5_71719696
chr6	1.27E+08	127119869	+	9.487E-24	3.324E-22	0.253389	hyper	sig	chr6_127119869
chr4	4869724	4869724	+	9.51E-24	3.3321E-22	0.286322	hyper	sig	chr4_4869724
chr18	13828549	13828549	+	9.518E-24	3.3346E-22	-0.3063	hypo	sig	chr18_13828549
chr3	1.33E+08	133038869	+	9.519E-24	3.3349E-22	0.308978	hyper	sig	chr3_133038869
chr8	26048006	26048006	+	9.52E-24	3.335E-22	0.29626	hyper	sig	chr8_26048006
chr20	46010811	46010811	+	9.52E-24	3.335E-22	0.304398	hyper	sig	chr20_46010811
chr6	1.52E+08	151809074	+	9.527E-24	3.3373E-22	0.2754	hyper	sig	chr6_151809074
chr16	85329558	85329558	+	9.53E-24	3.3381E-22	-0.28436	hypo	sig	chr16_85329558
chr18	14999869	14999869	+	9.53E-24	3.3381E-22	0.354413	hyper	sig	chr18_14999869
chr19	53132865	53132865	+	9.531E-24	3.3383E-22	0.288699	hyper	sig	chr19_53132865
chr3	36992403	36992403	+	9.546E-24	3.3432E-22	0.214111	hyper	sig	chr3_36992403
chr19	35757037	35757037	+	9.551E-24	3.3447E-22	0.270279	hyper	sig	chr19_35757037
chr17	6894404	6894404	+	9.551E-24	3.3447E-22	0.256123	hyper	sig	chr17_6894404

chr9	1.24E+08	124273750	+	9.566E-24	3.3497E-22	0.255636	hyper	sig	chr9_124273750
chr19	55359475	55359475	+	9.568E-24	3.3505E-22	-0.31263	hypo	sig	chr19_55359475
chr3	1.54E+08	154428687	+	9.574E-24	3.3522E-22	0.347976	hyper	sig	chr3_154428687
chr4	1.25E+08	125317774	+	9.588E-24	3.3568E-22	0.267499	hyper	sig	chr4_125317774
chr11	66543922	66543922	+	9.594E-24	3.3589E-22	0.292466	hyper	sig	chr11_66543922
chr13	1.1E+08	110306683	+	9.598E-24	3.3601E-22	0.353062	hyper	sig	chr13_110306683
chr8	54466616	54466616	+	9.633E-24	3.372E-22	0.301207	hyper	sig	chr8_54466616
chr5	1.41E+08	141245672	+	9.635E-24	3.3726E-22	0.336125	hyper	sig	chr5_141245672
chr10	1.33E+08	133158139	+	9.647E-24	3.3766E-22	-0.35506	hypo	sig	chr10_133158139
chr19	49436787	49436787	+	9.654E-24	3.3788E-22	0.343553	hyper	sig	chr19_49436787
chr3	11568688	11568688	+	9.657E-24	3.3797E-22	0.29835	hyper	sig	chr3_11568688
chr12	1.24E+08	124380590	+	9.658E-24	3.3799E-22	0.341204	hyper	sig	chr12_124380590
chr4	1.55E+08	155376843	+	9.66E-24	3.3806E-22	0.251448	hyper	sig	chr4_155376843
chr14	99246049	99246049	+	9.665E-24	3.3822E-22	0.316969	hyper	sig	chr14_99246049
chr13	1.14E+08	114110593	+	9.68E-24	3.3871E-22	-0.37644	hypo	sig	chr13_114110593
chr12	8039044	8039044	+	9.681E-24	3.3873E-22	0.367273	hyper	sig	chr12_8039044
chr2	2.28E+08	228181737	+	9.686E-24	3.3889E-22	0.382177	hyper	sig	chr2_228181737
chr1	54124857	54124857	+	9.689E-24	3.39E-22	-0.33365	hypo	sig	chr1_54124857
chr2	1.21E+08	120868112	+	9.701E-24	3.3941E-22	0.250585	hyper	sig	chr2_120868112
chr6	10882880	10882880	+	9.703E-24	3.3947E-22	0.295195	hyper	sig	chr6_10882880
chr10	99329083	99329083	+	9.721E-24	3.4005E-22	0.303295	hyper	sig	chr10_99329083
chr8	30442709	30442709	+	9.721E-24	3.4005E-22	0.272123	hyper	sig	chr8_30442709
chr19	437070	437070	+	9.721E-24	3.4006E-22	-0.35061	hypo	sig	chr19_437070
chr5	846508	846508	+	9.725E-24	3.4018E-22	-0.30704	hypo	sig	chr5_846508
chr1	38044543	38044543	+	9.73E-24	3.4034E-22	0.329006	hyper	sig	chr1_38044543
chr16	3577242	3577242	+	9.737E-24	3.4054E-22	-0.34456	hypo	sig	chr16_3577242
chr3	5095966	5095966	+	9.744E-24	3.4078E-22	0.295593	hyper	sig	chr3_5095966
chr11	32427904	32427904	+	9.744E-24	3.4079E-22	0.392379	hyper	sig	chr11_32427904
chr19	38256721	38256721	+	9.77E-24	3.4168E-22	0.275343	hyper	sig	chr19_38256721
chr8	54454272	54454272	+	9.78E-24	3.4202E-22	0.326922	hyper	sig	chr8_54454272
chr1	3140443	3140443	+	9.789E-24	3.423E-22	0.344031	hyper	sig	chr1_3140443
chr2	1.19E+08	118841921	+	9.804E-24	3.4281E-22	0.260439	hyper	sig	chr2_118841921
chr14	36667126	36667126	+	9.805E-24	3.4285E-22	0.295597	hyper	sig	chr14_36667126
chr8	64575610	64575610	+	9.812E-24	3.4308E-22	0.326341	hyper	sig	chr8_64575610
chr19	36797664	36797664	+	9.825E-24	3.4349E-22	0.244656	hyper	sig	chr19_36797664
chr5	1.77E+08	177493344	+	9.84E-24	3.4401E-22	0.299767	hyper	sig	chr5_177493344
chr11	8168733	8168733	+	9.849E-24	3.4432E-22	0.343956	hyper	sig	chr11_8168733
chr6	10384982	10384982	+	9.859E-24	3.4464E-22	0.361287	hyper	sig	chr6_10384982
chr4	1.33E+08	133148233	+	9.864E-24	3.448E-22	0.333194	hyper	sig	chr4_133148233
chr20	21397859	21397859	+	9.871E-24	3.4504E-22	0.456253	hyper	sig	chr20_21397859
chr6	31927402	31927402	+	9.88E-24	3.4535E-22	-0.27173	hypo	sig	chr6_31927402
chr19	57477155	57477155	+	9.905E-24	3.4621E-22	0.221487	hyper	sig	chr19_57477155
chr8	17413878	17413878	+	9.923E-24	3.4681E-22	0.37157	hyper	sig	chr8_17413878
chr10	1.32E+08	132037084	+	9.926E-24	3.469E-22	0.26476	hyper	sig	chr10_132037084
chr1	2.28E+08	228464753	+	9.933E-24	3.4714E-22	0.253758	hyper	sig	chr1_228464753
chr5	1.35E+08	135490116	+	9.941E-24	3.4736E-22	0.278639	hyper	sig	chr5_135490116
chr7	97007481	97007481	+	9.943E-24	3.4745E-22	0.342426	hyper	sig	chr7_97007481
chr1	2.28E+08	227888041	+	9.95E-24	3.4767E-22	0.324042	hyper	sig	chr1_227888041
chr19	56393593	56393593	+	9.955E-24	3.4782E-22	0.211343	hyper	sig	chr19_56393593
chr5	1.59E+08	159097436	+	9.962E-24	3.4807E-22	0.38079	hyper	sig	chr5_159097436
chr10	1.33E+08	133241208	+	9.969E-24	3.4828E-22	-0.32431	hypo	sig	chr10_133241208
chr6	1.68E+08	167824701	+	9.969E-24	3.4828E-22	0.30441	hyper	sig	chr6_167824701
chr18	52339899	52339899	+	9.976E-24	3.4849E-22	0.203234	hyper	sig	chr18_52339899
chr6	44342615	44342615	+	1.002E-23	3.5E-22	0.227755	hyper	sig	chr6_44342615
chr5	7877046	7877046	+	1.002E-23	3.5012E-22	-0.30164	hypo	sig	chr5_7877046
chr17	52158000	52158000	+	1.002E-23	3.5015E-22	0.331854	hyper	sig	chr17_52158000

chr1	3141625	3141625	+	1.003E-23	3.5033E-22	-0.26423	hypo	sig	chr1_3141625
chr22	36282355	36282355	+	1.004E-23	3.5061E-22	0.391249	hyper	sig	chr22_36282355
chr1	23790489	23790489	+	1.004E-23	3.5071E-22	-0.27324	hypo	sig	chr1_23790489
chr9	1.33E+08	132579778	+	1.005E-23	3.5086E-22	0.230093	hyper	sig	chr9_132579778
chr5	1931464	1931464	+	1.005E-23	3.5102E-22	0.287884	hyper	sig	chr5_1931464
chr7	1.49E+08	149415284	+	1.008E-23	3.5203E-22	0.280877	hyper	sig	chr7_149415284
chr2	2.32E+08	231616862	+	1.01E-23	3.5249E-22	-0.33316	hypo	sig	chr2_231616862
chr12	1.24E+08	124426749	+	1.013E-23	3.5374E-22	0.282013	hyper	sig	chr12_124426749
chr16	86513364	86513364	+	1.013E-23	3.5377E-22	0.390167	hyper	sig	chr16_86513364
chr5	1.77E+08	176619893	+	1.014E-23	3.5393E-22	0.276732	hyper	sig	chr5_176619893
chr7	1027783	1027783	+	1.014E-23	3.5393E-22	0.26922	hyper	sig	chr7_1027783
chr2	1.73E+08	172736685	+	1.016E-23	3.5461E-22	-0.20815	hypo	sig	chr2_172736685
chr10	47763435	47763435	+	1.016E-23	3.5471E-22	0.314735	hyper	sig	chr10_47763435
chr12	54033274	54033274	+	1.016E-23	3.5474E-22	0.265228	hyper	sig	chr12_54033274
chr1	2.24E+08	223749494	+	1.016E-23	3.5478E-22	0.233882	hyper	sig	chr1_223749494
chr11	57647190	57647190	+	1.017E-23	3.5481E-22	0.331795	hyper	sig	chr11_57647190
chr6	86937020	86937020	+	1.017E-23	3.549E-22	0.37701	hyper	sig	chr6_86937020
chr16	85448826	85448826	+	1.017E-23	3.5497E-22	-0.34068	hypo	sig	chr16_85448826
chr8	48870514	48870514	+	1.017E-23	3.5497E-22	0.374443	hyper	sig	chr8_48870514
chr3	1.28E+08	128481926	+	1.017E-23	3.5501E-22	0.311236	hyper	sig	chr3_128481926
chr6	1.06E+08	105981561	+	1.017E-23	3.5501E-22	0.268365	hyper	sig	chr6_105981561
chr7	1.49E+08	149415308	+	1.019E-23	3.5568E-22	0.292023	hyper	sig	chr7_149415308
chr5	1877806	1877806	+	1.021E-23	3.5608E-22	0.33404	hyper	sig	chr5_1877806
chr7	64045903	64045903	+	1.022E-23	3.5658E-22	0.30511	hyper	sig	chr7_64045903
chr8	1.41E+08	141299642	+	1.023E-23	3.5692E-22	0.351257	hyper	sig	chr8_141299642
chr17	8326905	8326905	+	1.023E-23	3.57E-22	0.211274	hyper	sig	chr17_8326905
chr11	94401500	94401500	+	1.024E-23	3.5709E-22	0.303093	hyper	sig	chr11_94401500
chr5	1.35E+08	135028204	+	1.024E-23	3.5714E-22	0.402897	hyper	sig	chr5_135028204
chr9	1.11E+08	110580035	+	1.024E-23	3.5717E-22	0.204564	hyper	sig	chr9_110580035
chr1	92481176	92481176	+	1.026E-23	3.578E-22	0.293949	hyper	sig	chr1_92481176
chr13	1.07E+08	106530751	+	1.027E-23	3.5831E-22	-0.30664	hypo	sig	chr13_106530751
chr19	1907973	1907973	+	1.029E-23	3.5897E-22	-0.30705	hypo	sig	chr19_1907973
chr1	1.19E+08	119006504	+	1.03E-23	3.594E-22	0.315665	hyper	sig	chr1_119006504
chr16	1872399	1872399	+	1.033E-23	3.6014E-22	0.375268	hyper	sig	chr16_1872399
chr8	98948621	98948621	+	1.033E-23	3.6014E-22	0.255598	hyper	sig	chr8_98948621
chr8	1.01E+08	101491803	+	1.033E-23	3.6014E-22	-0.27318	hypo	sig	chr8_101491803
chr17	7929802	7929802	+	1.033E-23	3.6026E-22	0.416973	hyper	sig	chr17_7929802
chr12	1.25E+08	124621175	+	1.033E-23	3.6026E-22	0.337652	hyper	sig	chr12_124621175
chr5	601421	601421	+	1.033E-23	3.6028E-22	-0.29641	hypo	sig	chr5_601421
chr8	1.08E+08	108083022	+	1.037E-23	3.6163E-22	0.316213	hyper	sig	chr8_108083022
chr8	1.01E+08	101493254	+	1.038E-23	3.6177E-22	-0.29945	hypo	sig	chr8_101493254
chr19	1907698	1907698	+	1.038E-23	3.6192E-22	-0.30978	hypo	sig	chr19_1907698
chr22	50281979	50281979	+	1.038E-23	3.6192E-22	-0.36173	hypo	sig	chr22_50281979
chr3	47579473	47579473	+	1.04E-23	3.6256E-22	0.313442	hyper	sig	chr3_47579473
chr1	7059014	7059014	+	1.041E-23	3.6272E-22	-0.30696	hypo	sig	chr1_7059014
chr16	4263351	4263351	+	1.041E-23	3.6276E-22	0.288038	hyper	sig	chr16_4263351
chr1	2.28E+08	228464083	+	1.041E-23	3.6281E-22	0.205518	hyper	sig	chr1_228464083
chr3	11568765	11568765	+	1.041E-23	3.6298E-22	0.319581	hyper	sig	chr3_11568765
chr19	53132733	53132733	+	1.042E-23	3.6301E-22	0.296545	hyper	sig	chr19_53132733
chr7	54544647	54544647	+	1.042E-23	3.6301E-22	0.319264	hyper	sig	chr7_54544647
chr3	1.32E+08	131527257	+	1.044E-23	3.6375E-22	0.292379	hyper	sig	chr3_131527257
chr13	1.13E+08	113453737	+	1.044E-23	3.6395E-22	0.278155	hyper	sig	chr13_113453737
chr19	57709075	57709075	+	1.044E-23	3.6397E-22	0.290789	hyper	sig	chr19_57709075
chr19	53467457	53467457	+	1.045E-23	3.6423E-22	0.221481	hyper	sig	chr19_53467457
chr16	89248080	89248080	+	1.048E-23	3.65E-22	0.36692	hyper	sig	chr16_89248080
chr3	48662204	48662204	+	1.048E-23	3.6513E-22	0.347746	hyper	sig	chr3_48662204

chr5	1.36E+08	135579352	+	1.048E-23	3.6522E-22	0.243718	hyper	sig	chr5_135579352
chr2	1.27E+08	127025038	+	1.05E-23	3.6564E-22	0.245679	hyper	sig	chr2_127025038
chr8	1.44E+08	143598962	+	1.05E-23	3.6564E-22	0.264026	hyper	sig	chr8_143598962
chr17	8003611	8003611	+	1.05E-23	3.6569E-22	0.516671	hyper	sig	chr17_8003611
chr11	66975356	66975356	+	1.05E-23	3.6569E-22	-0.32034	hypo	sig	chr11_66975356
chr2	1.39E+08	138780175	+	1.05E-23	3.6583E-22	0.273584	hyper	sig	chr2_138780175
chr7	1.54E+08	153749129	+	1.051E-23	3.6598E-22	0.333921	hyper	sig	chr7_153749129
chr20	63415008	63415008	+	1.053E-23	3.6687E-22	-0.37586	hypo	sig	chr20_63415008
chr7	1.59E+08	159153264	+	1.056E-23	3.6763E-22	-0.34841	hypo	sig	chr7_159153264
chr10	1.32E+08	132485058	+	1.057E-23	3.6799E-22	-0.23443	hypo	sig	chr10_132485058
chr16	89202309	89202309	+	1.058E-23	3.6844E-22	0.269202	hyper	sig	chr16_89202309
chr10	34974190	34974190	+	1.058E-23	3.6855E-22	-0.33853	hypo	sig	chr10_34974190
chr1	2.02E+08	201506323	+	1.06E-23	3.6921E-22	0.248467	hyper	sig	chr1_201506323
chr20	63244894	63244894	+	1.062E-23	3.6965E-22	-0.30807	hypo	sig	chr20_63244894
chr12	3493190	3493190	+	1.062E-23	3.6977E-22	0.280162	hyper	sig	chr12_3493190
chr7	6871571	6871571	+	1.063E-23	3.702E-22	-0.29319	hypo	sig	chr7_6871571
chr5	43034116	43034116	+	1.064E-23	3.7058E-22	0.300819	hyper	sig	chr5_43034116
chr1	1.19E+08	119000014	+	1.065E-23	3.7085E-22	0.289629	hyper	sig	chr1_119000014
chr4	1.04E+08	103719285	+	1.065E-23	3.7085E-22	0.30151	hyper	sig	chr4_103719285
chr6	29553361	29553361	+	1.066E-23	3.7109E-22	0.261732	hyper	sig	chr6_29553361
chr6	1.46E+08	146029452	+	1.068E-23	3.7167E-22	0.292213	hyper	sig	chr6_146029452
chr12	1.17E+08	116559126	+	1.068E-23	3.7186E-22	-0.27256	hypo	sig	chr12_116559126
chr1	1.9E+08	190475668	+	1.068E-23	3.719E-22	0.215738	hyper	sig	chr1_190475668
chr11	841312	841312	+	1.069E-23	3.7195E-22	-0.29827	hypo	sig	chr11_841312
chr13	78597404	78597404	+	1.07E-23	3.7246E-22	0.373006	hyper	sig	chr13_78597404
chr8	1.01E+08	101493113	+	1.071E-23	3.7258E-22	-0.39455	hypo	sig	chr8_101493113
chr11	1.12E+08	111540491	+	1.071E-23	3.7273E-22	0.328826	hyper	sig	chr11_111540491
chr10	8520832	8520832	+	1.072E-23	3.7298E-22	-0.31167	hypo	sig	chr10_8520832
chr9	1.33E+08	132579907	+	1.074E-23	3.7376E-22	0.329131	hyper	sig	chr9_132579907
chr19	34482265	34482265	+	1.075E-23	3.7392E-22	0.273938	hyper	sig	chr19_34482265
chr1	2.4E+08	240207108	+	1.075E-23	3.7395E-22	-0.35204	hypo	sig	chr1_240207108
chr22	46085013	46085013	+	1.075E-23	3.7397E-22	-0.3147	hypo	sig	chr22_46085013
chr16	71426515	71426515	+	1.076E-23	3.744E-22	0.225487	hyper	sig	chr16_71426515
chr16	55832610	55832610	+	1.076E-23	3.7446E-22	0.296281	hyper	sig	chr16_55832610
chr7	1.57E+08	157020355	+	1.076E-23	3.7446E-22	0.297716	hyper	sig	chr7_157020355
chr20	62476314	62476314	+	1.078E-23	3.7488E-22	0.325979	hyper	sig	chr20_62476314
chr2	2.34E+08	233939148	+	1.079E-23	3.7547E-22	0.301798	hyper	sig	chr2_233939148
chr16	31011035	31011035	+	1.083E-23	3.7667E-22	0.267577	hyper	sig	chr16_31011035
chr17	47852679	47852679	+	1.086E-23	3.7758E-22	0.240959	hyper	sig	chr17_47852679
chr2	61144977	61144977	+	1.089E-23	3.786E-22	0.263085	hyper	sig	chr2_61144977
chr4	3766844	3766844	+	1.092E-23	3.7962E-22	0.290278	hyper	sig	chr4_3766844
chr13	24932131	24932131	+	1.093E-23	3.8013E-22	0.258044	hyper	sig	chr13_24932131
chr7	26154007	26154007	+	1.094E-23	3.8035E-22	-0.33957	hypo	sig	chr7_26154007
chr3	48661700	48661700	+	1.095E-23	3.8082E-22	0.227127	hyper	sig	chr3_48661700
chr10	16520597	16520597	+	1.096E-23	3.811E-22	0.30347	hyper	sig	chr10_16520597
chr19	11674228	11674228	+	1.1E-23	3.8255E-22	0.302791	hyper	sig	chr19_11674228
chr12	1.2E+08	119804352	+	1.101E-23	3.8273E-22	0.322329	hyper	sig	chr12_119804352
chr7	99558183	99558183	+	1.101E-23	3.8293E-22	0.225034	hyper	sig	chr7_99558183
chr1	1.12E+08	111987672	+	1.102E-23	3.8315E-22	0.28612	hyper	sig	chr1_111987672
chr19	36245748	36245748	+	1.102E-23	3.8315E-22	0.334544	hyper	sig	chr19_36245748
chr8	76683078	76683078	+	1.102E-23	3.832E-22	0.321126	hyper	sig	chr8_76683078
chr7	1.51E+08	151125833	+	1.104E-23	3.8367E-22	0.368121	hyper	sig	chr7_151125833
chr10	96370112	96370112	+	1.104E-23	3.8377E-22	-0.3722	hypo	sig	chr10_96370112
chr10	86710868	86710868	+	1.105E-23	3.8422E-22	0.291487	hyper	sig	chr10_86710868
chr20	5303883	5303883	+	1.107E-23	3.8465E-22	-0.33236	hypo	sig	chr20_5303883
chr11	1.23E+08	122977394	+	1.107E-23	3.8468E-22	0.366812	hyper	sig	chr11_122977394

chr1	2.48E+08	247534573	+	1.107E-23	3.8475E-22	-0.21611	hypo	sig	chr1_247534573
chr3	21405939	21405939	+	1.108E-23	3.8497E-22	-0.29992	hypo	sig	chr3_21405939
chr1	47434691	47434691	+	1.108E-23	3.8514E-22	0.332493	hyper	sig	chr1_47434691
chr16	54932746	54932746	+	1.109E-23	3.853E-22	0.377582	hyper	sig	chr16_54932746
chr6	30171796	30171796	+	1.11E-23	3.8568E-22	0.288862	hyper	sig	chr6_30171796
chr10	1.23E+08	123134603	+	1.11E-23	3.858E-22	0.258173	hyper	sig	chr10_123134603
chr3	1.61E+08	161104869	+	1.112E-23	3.8625E-22	0.203907	hyper	sig	chr3_161104869
chr1	2.37E+08	237041937	+	1.112E-23	3.863E-22	0.249907	hyper	sig	chr1_237041937
chr4	3766831	3766831	+	1.112E-23	3.8631E-22	0.287406	hyper	sig	chr4_3766831
chr11	69819702	69819702	+	1.113E-23	3.8655E-22	0.221294	hyper	sig	chr11_69819702
chr7	1.57E+08	157020329	+	1.113E-23	3.8655E-22	0.321779	hyper	sig	chr7_157020329
chr7	1.55E+08	155374648	+	1.114E-23	3.8706E-22	0.262665	hyper	sig	chr7_155374648
chr19	12648317	12648317	+	1.115E-23	3.8728E-22	0.324162	hyper	sig	chr19_12648317
chr7	4214743	4214743	+	1.115E-23	3.8738E-22	-0.36019	hypo	sig	chr7_4214743
chr13	93228699	93228699	+	1.116E-23	3.8763E-22	0.320182	hyper	sig	chr13_93228699
chr6	1E+08	100448963	+	1.116E-23	3.8763E-22	0.2206	hyper	sig	chr6_100448963
chr12	6312669	6312669	+	1.116E-23	3.877E-22	-0.31892	hypo	sig	chr12_6312669
chr16	89291333	89291333	+	1.122E-23	3.8959E-22	0.273004	hyper	sig	chr16_89291333
chr7	54544709	54544709	+	1.122E-23	3.8974E-22	0.331136	hyper	sig	chr7_54544709
chr13	1.14E+08	113999456	+	1.123E-23	3.898E-22	-0.35935	hypo	sig	chr13_113999456
chr20	54475985	54475985	+	1.123E-23	3.9004E-22	0.445075	hyper	sig	chr20_54475985
chr18	57439944	57439944	+	1.124E-23	3.9021E-22	0.237637	hyper	sig	chr18_57439944
chr7	5349175	5349175	+	1.124E-23	3.9031E-22	0.341244	hyper	sig	chr7_5349175
chr2	1E+08	100322596	+	1.124E-23	3.9037E-22	0.305996	hyper	sig	chr2_100322596
chr19	36791663	36791663	+	1.125E-23	3.9055E-22	0.290763	hyper	sig	chr19_36791663
chr15	76345910	76345910	+	1.126E-23	3.9088E-22	-0.27379	hypo	sig	chr15_76345910
chr4	1.09E+08	109302485	+	1.126E-23	3.9094E-22	0.233415	hyper	sig	chr4_109302485
chr2	2.42E+08	241858864	+	1.127E-23	3.9127E-22	-0.31046	hypo	sig	chr2_241858864
chr2	44932865	44932865	+	1.128E-23	3.9155E-22	0.385618	hyper	sig	chr2_44932865
chr12	1.15E+08	114687309	+	1.129E-23	3.9199E-22	0.349571	hyper	sig	chr12_114687309
chr2	2.02E+08	202036747	+	1.131E-23	3.9261E-22	0.30624	hyper	sig	chr2_202036747
chr16	88118403	88118403	+	1.132E-23	3.93E-22	-0.30514	hypo	sig	chr16_88118403
chr19	49043606	49043606	+	1.133E-23	3.9309E-22	-0.31234	hypo	sig	chr19_49043606
chr16	85615230	85615230	+	1.135E-23	3.94E-22	-0.31096	hypo	sig	chr16_85615230
chr11	1.3E+08	130162899	+	1.135E-23	3.9402E-22	-0.285	hypo	sig	chr11_130162899
chr8	84183096	84183096	+	1.137E-23	3.9471E-22	0.382999	hyper	sig	chr8_84183096
chr16	85162757	85162757	+	1.139E-23	3.9529E-22	0.280755	hyper	sig	chr16_85162757
chr12	1.14E+08	114408594	+	1.142E-23	3.9611E-22	0.281672	hyper	sig	chr12_114408594
chr11	1.3E+08	129815467	+	1.142E-23	3.9625E-22	-0.22781	hypo	sig	chr11_129815467
chr5	2753741	2753741	+	1.143E-23	3.966E-22	0.309516	hyper	sig	chr5_2753741
chr17	76386414	76386414	+	1.143E-23	3.9663E-22	0.31323	hyper	sig	chr17_76386414
chr12	25686341	25686341	+	1.144E-23	3.9691E-22	-0.24632	hypo	sig	chr12_25686341
chr5	1.41E+08	140882115	+	1.145E-23	3.9726E-22	0.279569	hyper	sig	chr5_140882115
chr12	86296635	86296635	+	1.145E-23	3.9732E-22	-0.33588	hypo	sig	chr12_86296635
chr11	1837273	1837273	+	1.146E-23	3.9746E-22	-0.30802	hypo	sig	chr11_1837273
chr4	41747358	41747358	+	1.146E-23	3.9756E-22	0.391845	hyper	sig	chr4_41747358
chr4	1.39E+08	139279562	+	1.147E-23	3.9776E-22	0.250836	hyper	sig	chr4_139279562
chr14	1.05E+08	105478322	+	1.148E-23	3.98E-22	-0.30016	hypo	sig	chr14_105478322
chr1	2.28E+08	228158391	+	1.148E-23	3.9801E-22	0.430502	hyper	sig	chr1_228158391
chr8	54458488	54458488	+	1.15E-23	3.9884E-22	0.276448	hyper	sig	chr8_54458488
chr5	1.2E+08	120464585	+	1.151E-23	3.9918E-22	0.275025	hyper	sig	chr5_120464585
chr15	89409707	89409707	+	1.151E-23	3.992E-22	0.295566	hyper	sig	chr15_89409707
chr16	62035886	62035886	+	1.151E-23	3.9924E-22	0.374246	hyper	sig	chr16_62035886
chr11	1.34E+08	134152880	+	1.154E-23	3.9999E-22	0.280091	hyper	sig	chr11_134152880
chr5	33297901	33297901	+	1.157E-23	4.0112E-22	-0.27254	hypo	sig	chr5_33297901
chr12	6778341	6778341	+	1.157E-23	4.0128E-22	0.323161	hyper	sig	chr12_6778341

chr7	1556482	1556482	+	1.157E-23	4.0128E-22	-0.30893	hypo	sig	chr7_1556482
chr3	52801131	52801131	+	1.159E-23	4.0175E-22	-0.20571	hypo	sig	chr3_52801131
chr19	3136494	3136494	+	1.159E-23	4.0184E-22	-0.27489	hypo	sig	chr19_3136494
chr1	3651133	3651133	+	1.161E-23	4.0254E-22	0.329118	hyper	sig	chr1_3651133
chr7	1.22E+08	122310349	+	1.163E-23	4.0321E-22	0.232768	hyper	sig	chr7_122310349
chr22	20429609	20429609	+	1.163E-23	4.0322E-22	-0.31497	hypo	sig	chr22_20429609
chr4	52862800	52862800	+	1.165E-23	4.0382E-22	0.310753	hyper	sig	chr4_52862800
chr11	44466942	44466942	+	1.167E-23	4.043E-22	0.26369	hyper	sig	chr11_44466942
chr22	29581688	29581688	+	1.167E-23	4.045E-22	-0.30095	hypo	sig	chr22_29581688
chr19	53978642	53978642	+	1.168E-23	4.047E-22	0.356782	hyper	sig	chr19_53978642
chr22	38214509	38214509	+	1.168E-23	4.0478E-22	0.335407	hyper	sig	chr22_38214509
chr2	2.19E+08	219418453	+	1.168E-23	4.0491E-22	0.325269	hyper	sig	chr2_219418453
chr20	59043466	59043466	+	1.169E-23	4.0498E-22	-0.33194	hypo	sig	chr20_59043466
chr14	34713721	34713721	+	1.169E-23	4.0512E-22	0.227378	hyper	sig	chr14_34713721
chr5	1.41E+08	141432048	+	1.169E-23	4.0518E-22	0.332091	hyper	sig	chr5_141432048
chr2	2.06E+08	205687166	+	1.17E-23	4.0533E-22	0.271252	hyper	sig	chr2_205687166
chr15	80933172	80933172	+	1.171E-23	4.0563E-22	0.321732	hyper	sig	chr15_80933172
chr11	8169050	8169050	+	1.173E-23	4.0628E-22	0.218315	hyper	sig	chr11_8169050
chr4	1.54E+08	154491235	+	1.175E-23	4.071E-22	0.223353	hyper	sig	chr4_154491235
chr5	42924163	42924163	+	1.175E-23	4.0713E-22	0.298293	hyper	sig	chr5_42924163
chr17	80919536	80919536	+	1.176E-23	4.0737E-22	0.286928	hyper	sig	chr17_80919536
chr14	93788301	93788301	+	1.176E-23	4.0742E-22	0.262755	hyper	sig	chr14_93788301
chr1	1.44E+08	143662012	+	1.178E-23	4.0798E-22	0.254219	hyper	sig	chr1_143662012
chr1	1.8E+08	179744041	+	1.178E-23	4.0798E-22	0.299197	hyper	sig	chr1_179744041
chr5	1.41E+08	141365320	+	1.18E-23	4.0853E-22	0.283682	hyper	sig	chr5_141365320
chr20	46021581	46021581	+	1.181E-23	4.0899E-22	0.297143	hyper	sig	chr20_46021581
chr14	20633602	20633602	+	1.182E-23	4.0951E-22	0.28905	hyper	sig	chr14_20633602
chr20	46246655	46246655	+	1.183E-23	4.0966E-22	0.316755	hyper	sig	chr20_46246655
chr21	38804689	38804689	+	1.184E-23	4.1002E-22	-0.28017	hypo	sig	chr21_38804689
chr17	75828266	75828266	+	1.185E-23	4.1031E-22	0.320945	hyper	sig	chr17_75828266
chr5	88672950	88672950	+	1.185E-23	4.1044E-22	0.271059	hyper	sig	chr5_88672950
chr6	1.33E+08	133242426	+	1.187E-23	4.1094E-22	0.251065	hyper	sig	chr6_133242426
chr15	52794873	52794873	+	1.187E-23	4.1098E-22	0.301627	hyper	sig	chr15_52794873
chr17	77477647	77477647	+	1.188E-23	4.1147E-22	0.315474	hyper	sig	chr17_77477647
chr11	24496708	24496708	+	1.189E-23	4.1155E-22	0.284606	hyper	sig	chr11_24496708
chr11	31805016	31805016	+	1.19E-23	4.1187E-22	0.390494	hyper	sig	chr11_31805016
chr16	67165611	67165611	+	1.19E-23	4.1193E-22	0.359946	hyper	sig	chr16_67165611
chr19	43774328	43774328	+	1.19E-23	4.1203E-22	0.40809	hyper	sig	chr19_43774328
chr15	88255494	88255494	+	1.191E-23	4.1225E-22	0.36734	hyper	sig	chr15_88255494
chr9	1.22E+08	122219724	+	1.192E-23	4.1242E-22	0.26	hyper	sig	chr9_122219724
chr1	24535300	24535300	+	1.196E-23	4.1378E-22	-0.27419	hypo	sig	chr1_24535300
chr3	42935464	42935464	+	1.196E-23	4.1378E-22	-0.31939	hypo	sig	chr3_42935464
chr10	30785503	30785503	+	1.2E-23	4.154E-22	0.253528	hyper	sig	chr10_30785503
chr2	2.38E+08	237886226	+	1.204E-23	4.1663E-22	0.350468	hyper	sig	chr2_237886226
chr7	1027823	1027823	+	1.207E-23	4.1779E-22	0.279891	hyper	sig	chr7_1027823
chr2	1.87E+08	186849175	+	1.209E-23	4.1844E-22	0.266928	hyper	sig	chr2_186849175
chr2	5692872	5692872	+	1.211E-23	4.1889E-22	0.349308	hyper	sig	chr2_5692872
chr19	50608155	50608155	+	1.212E-23	4.1923E-22	0.263017	hyper	sig	chr19_50608155
chr10	472270	472270	+	1.213E-23	4.1968E-22	-0.31011	hypo	sig	chr10_472270
chr13	22925846	22925846	+	1.216E-23	4.2059E-22	0.341257	hyper	sig	chr13_22925846
chr6	1E+08	100459004	+	1.22E-23	4.2206E-22	0.316969	hyper	sig	chr6_100459004
chr19	5455206	5455206	+	1.22E-23	4.2208E-22	-0.2637	hypo	sig	chr19_5455206
chr2	1691658	1691658	+	1.221E-23	4.2231E-22	-0.39361	hypo	sig	chr2_1691658
chr10	1.01E+08	101236495	+	1.226E-23	4.2411E-22	0.250011	hyper	sig	chr10_101236495
chr17	15409842	15409842	+	1.228E-23	4.2479E-22	0.327757	hyper	sig	chr17_15409842
chr4	1.13E+08	112521635	+	1.229E-23	4.2507E-22	0.251812	hyper	sig	chr4_112521635

chr5	1.42E+08	141638802	+	1.23E-23	4.2539E-22	-0.3041	hypo	sig	chr5_141638802
chr15	93036102	93036102	+	1.231E-23	4.2563E-22	-0.27857	hypo	sig	chr15_93036102
chr17	77477813	77477813	+	1.231E-23	4.2565E-22	0.279682	hyper	sig	chr17_77477813
chr5	1.79E+08	178591081	+	1.231E-23	4.2584E-22	0.312332	hyper	sig	chr5_178591081
chr22	50735256	50735256	+	1.233E-23	4.2631E-22	-0.38441	hypo	sig	chr22_50735256
chr7	1.28E+08	128241277	+	1.233E-23	4.2631E-22	0.428857	hyper	sig	chr7_128241277
chr19	57935410	57935410	+	1.235E-23	4.2701E-22	0.301385	hyper	sig	chr19_57935410
chr11	2806984	2806984	+	1.237E-23	4.2773E-22	0.377672	hyper	sig	chr11_2806984
chr2	51780601	51780601	+	1.238E-23	4.2796E-22	-0.37022	hypo	sig	chr2_51780601
chr4	1.47E+08	146640654	+	1.24E-23	4.2876E-22	0.318158	hyper	sig	chr4_146640654
chr8	54469979	54469979	+	1.24E-23	4.2878E-22	0.295869	hyper	sig	chr8_54469979
chr6	1.46E+08	146029056	+	1.241E-23	4.2903E-22	0.254915	hyper	sig	chr6_146029056
chr8	97278099	97278099	+	1.242E-23	4.2922E-22	0.298343	hyper	sig	chr8_97278099
chr1	45622863	45622863	+	1.242E-23	4.2945E-22	0.322803	hyper	sig	chr1_45622863
chr11	40293845	40293845	+	1.243E-23	4.2968E-22	0.310802	hyper	sig	chr11_40293845
chr5	1.41E+08	141421884	+	1.243E-23	4.2973E-22	0.359357	hyper	sig	chr5_141421884
chr6	1.69E+08	168889253	+	1.244E-23	4.2999E-22	0.240507	hyper	sig	chr6_168889253
chr7	1.59E+08	158974347	+	1.245E-23	4.3013E-22	-0.31632	hypo	sig	chr7_158974347
chr13	27976189	27976189	+	1.247E-23	4.3086E-22	0.391616	hyper	sig	chr13_27976189
chr13	25096001	25096001	+	1.25E-23	4.3204E-22	0.307594	hyper	sig	chr13_25096001
chr12	1.32E+08	132261093	+	1.251E-23	4.324E-22	-0.33104	hypo	sig	chr12_132261093
chr17	75891315	75891315	+	1.253E-23	4.3283E-22	-0.25076	hypo	sig	chr17_75891315
chr2	3470398	3470398	+	1.255E-23	4.3355E-22	0.299314	hyper	sig	chr2_3470398
chr7	1.59E+08	158586487	+	1.256E-23	4.3407E-22	0.234446	hyper	sig	chr7_158586487
chr11	31798100	31798100	+	1.258E-23	4.3475E-22	0.29364	hyper	sig	chr11_31798100
chr13	20177163	20177163	+	1.259E-23	4.3484E-22	0.308153	hyper	sig	chr13_20177163
chr7	15685707	15685707	+	1.26E-23	4.3548E-22	0.222317	hyper	sig	chr7_15685707
chr19	15011168	15011168	+	1.261E-23	4.3577E-22	0.323489	hyper	sig	chr19_15011168
chr17	48552447	48552447	+	1.262E-23	4.3596E-22	0.37217	hyper	sig	chr17_48552447
chr7	91267299	91267299	+	1.263E-23	4.3624E-22	0.345797	hyper	sig	chr7_91267299
chr7	3880402	3880402	+	1.263E-23	4.3627E-22	-0.29681	hypo	sig	chr7_3880402
chr11	8038455	8038455	+	1.263E-23	4.3642E-22	-0.27074	hypo	sig	chr11_8038455
chr6	1E+08	100463833	+	1.265E-23	4.3675E-22	0.272665	hyper	sig	chr6_100463833
chr9	975841	975841	+	1.265E-23	4.3688E-22	0.297092	hyper	sig	chr9_975841
chr19	11454717	11454717	+	1.266E-23	4.3729E-22	-0.31124	hypo	sig	chr19_11454717
chr1	2.21E+08	220882151	+	1.266E-23	4.373E-22	0.394848	hyper	sig	chr1_220882151
chr5	73420084	73420084	+	1.267E-23	4.3765E-22	0.23238	hyper	sig	chr5_73420084
chr20	63254897	63254897	+	1.271E-23	4.3879E-22	0.332834	hyper	sig	chr20_63254897
chr2	394299	394299	+	1.271E-23	4.3879E-22	-0.2911	hypo	sig	chr2_394299
chr17	77055792	77055792	+	1.273E-23	4.397E-22	-0.29047	hypo	sig	chr17_77055792
chr6	1.44E+08	144065320	+	1.275E-23	4.4036E-22	-0.25362	hypo	sig	chr6_144065320
chr15	52785859	52785859	+	1.275E-23	4.4037E-22	0.261979	hyper	sig	chr15_52785859
chr19	18007495	18007495	+	1.276E-23	4.4053E-22	0.246401	hyper	sig	chr19_18007495
chr14	41609960	41609960	+	1.277E-23	4.4073E-22	0.270224	hyper	sig	chr14_41609960
chr5	1.79E+08	179240782	+	1.277E-23	4.4092E-22	-0.26728	hypo	sig	chr5_179240782
chr3	10816034	10816034	+	1.278E-23	4.4127E-22	0.383803	hyper	sig	chr3_10816034
chr5	1.41E+08	141234426	+	1.28E-23	4.4192E-22	0.29806	hyper	sig	chr5_141234426
chr10	11164850	11164850	+	1.281E-23	4.4212E-22	0.268144	hyper	sig	chr10_11164850
chr7	1.59E+08	159144049	+	1.281E-23	4.4216E-22	0.332237	hyper	sig	chr7_159144049
chr1	2.21E+08	220895691	+	1.282E-23	4.4244E-22	0.425925	hyper	sig	chr1_220895691
chr16	56194515	56194515	+	1.282E-23	4.4244E-22	0.201291	hyper	sig	chr16_56194515
chr5	3594086	3594086	+	1.284E-23	4.4323E-22	0.328968	hyper	sig	chr5_3594086
chr11	32434264	32434264	+	1.286E-23	4.4384E-22	0.387303	hyper	sig	chr11_32434264
chr10	44390462	44390462	+	1.286E-23	4.4391E-22	-0.36931	hypo	sig	chr10_44390462
chr6	36590377	36590377	+	1.287E-23	4.4405E-22	-0.38186	hypo	sig	chr6_36590377
chr10	1.33E+08	133230052	+	1.288E-23	4.4454E-22	0.27823	hyper	sig	chr10_133230052

chr1	3245939	3245939	+	1.289E-23	4.4459E-22	0.262937	hyper	sig	chr1_3245939
chr12	96489424	96489424	+	1.29E-23	4.4511E-22	0.201727	hyper	sig	chr12_96489424
chr6	1.27E+08	127119261	+	1.293E-23	4.4605E-22	0.312907	hyper	sig	chr6_127119261
chr5	1.34E+08	134114035	+	1.295E-23	4.4672E-22	0.333555	hyper	sig	chr5_134114035
chr16	1941304	1941304	+	1.295E-23	4.4677E-22	-0.30457	hypo	sig	chr16_1941304
chr2	2.32E+08	231592876	+	1.296E-23	4.4716E-22	-0.27939	hypo	sig	chr2_231592876
chr11	2140251	2140251	+	1.298E-23	4.4761E-22	0.261175	hyper	sig	chr11_2140251
chr7	32070608	32070608	+	1.3E-23	4.4851E-22	0.234091	hyper	sig	chr7_32070608
chr7	4128095	4128095	+	1.303E-23	4.4938E-22	-0.35055	hypo	sig	chr7_4128095
chr1	1.19E+08	118992224	+	1.303E-23	4.4942E-22	0.340389	hyper	sig	chr1_118992224
chr8	88328154	88328154	+	1.304E-23	4.4974E-22	0.303328	hyper	sig	chr8_88328154
chr6	44342613	44342613	+	1.304E-23	4.4986E-22	0.227078	hyper	sig	chr6_44342613
chr7	27160082	27160082	+	1.304E-23	4.4986E-22	-0.2803	hypo	sig	chr7_27160082
chr6	28525811	28525811	+	1.307E-23	4.5069E-22	-0.28618	hypo	sig	chr6_28525811
chr6	1.6E+08	159820546	+	1.308E-23	4.5111E-22	-0.36781	hypo	sig	chr6_159820546
chr1	2.28E+08	228464701	+	1.311E-23	4.5192E-22	0.241073	hyper	sig	chr1_228464701
chr17	82242758	82242758	+	1.311E-23	4.5198E-22	0.323191	hyper	sig	chr17_82242758
chr19	13001590	13001590	+	1.311E-23	4.5216E-22	0.265506	hyper	sig	chr19_13001590
chr19	4011505	4011505	+	1.312E-23	4.522E-22	0.298573	hyper	sig	chr19_4011505
chr7	665835	665835	+	1.312E-23	4.5228E-22	0.354068	hyper	sig	chr7_665835
chr13	52848286	52848286	+	1.312E-23	4.5242E-22	0.291082	hyper	sig	chr13_52848286
chr14	56812397	56812397	+	1.313E-23	4.5254E-22	0.308811	hyper	sig	chr14_56812397
chr1	2237989	2237989	+	1.314E-23	4.5297E-22	0.335048	hyper	sig	chr1_2237989
chr4	1.69E+08	168833370	+	1.314E-23	4.53E-22	0.308323	hyper	sig	chr4_168833370
chr1	10679127	10679127	+	1.315E-23	4.531E-22	0.230094	hyper	sig	chr1_10679127
chr2	30230554	30230554	+	1.316E-23	4.5353E-22	0.364372	hyper	sig	chr2_30230554
chr10	99530516	99530516	+	1.317E-23	4.5376E-22	0.297709	hyper	sig	chr10_99530516
chr13	1.12E+08	112073892	+	1.318E-23	4.5425E-22	0.282729	hyper	sig	chr13_112073892
chr3	48661965	48661965	+	1.322E-23	4.5543E-22	0.257644	hyper	sig	chr3_48661965
chr8	47998172	47998172	+	1.323E-23	4.5588E-22	-0.31584	hypo	sig	chr8_47998172
chr7	1.51E+08	151012375	+	1.323E-23	4.5596E-22	-0.37371	hypo	sig	chr7_151012375
chr14	1.04E+08	104357690	+	1.325E-23	4.5667E-22	-0.37329	hypo	sig	chr14_104357690
chr10	75099448	75099448	+	1.326E-23	4.5679E-22	-0.42155	hypo	sig	chr10_75099448
chr10	1.01E+08	100659575	+	1.326E-23	4.5683E-22	0.316211	hyper	sig	chr10_100659575
chr17	79981234	79981234	+	1.329E-23	4.5778E-22	0.276611	hyper	sig	chr17_79981234
chr1	23913489	23913489	+	1.33E-23	4.5833E-22	-0.28636	hypo	sig	chr1_23913489
chr16	1543487	1543487	+	1.332E-23	4.5875E-22	-0.31616	hypo	sig	chr16_1543487
chr11	3218723	3218723	+	1.332E-23	4.5879E-22	-0.3108	hypo	sig	chr11_3218723
chr1	1.81E+08	181318650	+	1.333E-23	4.5901E-22	0.323545	hyper	sig	chr1_181318650
chr16	1108533	1108533	+	1.333E-23	4.5924E-22	-0.24342	hypo	sig	chr16_1108533
chr3	1.69E+08	169149725	+	1.333E-23	4.593E-22	-0.20738	hypo	sig	chr3_169149725
chr6	84772828	84772828	+	1.336E-23	4.6006E-22	0.317063	hyper	sig	chr6_84772828
chr6	50850486	50850486	+	1.337E-23	4.6058E-22	0.263522	hyper	sig	chr6_50850486
chr5	32711411	32711411	+	1.338E-23	4.6094E-22	0.243252	hyper	sig	chr5_32711411
chr19	49050525	49050525	+	1.338E-23	4.6094E-22	-0.37253	hypo	sig	chr19_49050525
chr12	78864701	78864701	+	1.339E-23	4.6108E-22	0.263678	hyper	sig	chr12_78864701
chr4	1034161	1034161	+	1.339E-23	4.6108E-22	0.347321	hyper	sig	chr4_1034161
chr16	85335381	85335381	+	1.341E-23	4.6161E-22	-0.30093	hypo	sig	chr16_85335381
chr5	38258782	38258782	+	1.341E-23	4.6182E-22	0.227186	hyper	sig	chr5_38258782
chr3	62374058	62374058	+	1.341E-23	4.6183E-22	0.291455	hyper	sig	chr3_62374058
chr19	18429094	18429094	+	1.342E-23	4.6212E-22	0.368981	hyper	sig	chr19_18429094
chr14	36663446	36663446	+	1.343E-23	4.6228E-22	0.280665	hyper	sig	chr14_36663446
chr15	45631942	45631942	+	1.351E-23	4.6526E-22	-0.28687	hypo	sig	chr15_45631942
chr2	1.24E+08	124024695	+	1.353E-23	4.6577E-22	0.378086	hyper	sig	chr2_124024695
chr5	43034155	43034155	+	1.353E-23	4.6586E-22	0.271827	hyper	sig	chr5_43034155
chr7	1.55E+08	155373066	+	1.356E-23	4.6689E-22	0.378304	hyper	sig	chr7_155373066

chr2	70768002	70768002	+	1.357E-23	4.6697E-22	0.239579	hyper	sig	chr2_70768002
chr12	57619467	57619467	+	1.358E-23	4.674E-22	-0.30777	hypo	sig	chr12_57619467
chr2	2.39E+08	239260206	+	1.358E-23	4.6757E-22	-0.31615	hypo	sig	chr2_239260206
chr10	86264916	86264916	+	1.359E-23	4.6762E-22	-0.32981	hypo	sig	chr10_86264916
chr6	10422335	10422335	+	1.359E-23	4.6762E-22	0.337139	hyper	sig	chr6_10422335
chr20	31858401	31858401	+	1.359E-23	4.6763E-22	-0.27027	hypo	sig	chr20_31858401
chr20	43916459	43916459	+	1.359E-23	4.6769E-22	0.342245	hyper	sig	chr20_43916459
chr2	97724050	97724050	+	1.363E-23	4.6894E-22	0.326065	hyper	sig	chr2_97724050
chr1	39671410	39671410	+	1.363E-23	4.69E-22	0.376221	hyper	sig	chr1_39671410
chr3	1.54E+08	154122715	+	1.364E-23	4.6924E-22	0.283028	hyper	sig	chr3_154122715
chr3	69012662	69012662	+	1.364E-23	4.6939E-22	0.27347	hyper	sig	chr3_69012662
chr5	1.71E+08	171315317	+	1.364E-23	4.6939E-22	0.313025	hyper	sig	chr5_171315317
chr5	79069854	79069854	+	1.365E-23	4.695E-22	0.371211	hyper	sig	chr5_79069854
chr19	39892135	39892135	+	1.366E-23	4.6976E-22	0.276901	hyper	sig	chr19_39892135
chr3	1.47E+08	147410404	+	1.366E-23	4.6995E-22	0.333291	hyper	sig	chr3_147410404
chr1	11042840	11042840	+	1.366E-23	4.6999E-22	-0.2901	hypo	sig	chr1_11042840
chr3	1.4E+08	139539879	+	1.366E-23	4.7E-22	0.237844	hyper	sig	chr3_139539879
chr5	1.41E+08	141485162	+	1.367E-23	4.7027E-22	0.272119	hyper	sig	chr5_141485162
chr13	1.14E+08	114151768	+	1.369E-23	4.7072E-22	-0.26628	hypo	sig	chr13_114151768
chr17	47253512	47253512	+	1.37E-23	4.7119E-22	0.290428	hyper	sig	chr17_47253512
chr7	30912139	30912139	+	1.371E-23	4.7137E-22	0.275781	hyper	sig	chr7_30912139
chr5	50969771	50969771	+	1.371E-23	4.7164E-22	0.224967	hyper	sig	chr5_50969771
chr17	81978696	81978696	+	1.372E-23	4.7194E-22	-0.36571	hypo	sig	chr17_81978696
chr5	51382587	51382587	+	1.374E-23	4.7236E-22	0.226944	hyper	sig	chr5_51382587
chr19	57171796	57171796	+	1.375E-23	4.7278E-22	0.386103	hyper	sig	chr19_57171796
chr3	1.33E+08	133410678	+	1.377E-23	4.7328E-22	-0.29814	hypo	sig	chr3_133410678
chr11	20669838	20669838	+	1.378E-23	4.7371E-22	0.410988	hyper	sig	chr11_20669838
chr6	83709574	83709574	+	1.379E-23	4.7397E-22	0.306467	hyper	sig	chr6_83709574
chr10	99533415	99533415	+	1.382E-23	4.7503E-22	0.229917	hyper	sig	chr10_99533415
chr8	1.44E+08	143937865	+	1.385E-23	4.7594E-22	-0.28377	hypo	sig	chr8_143937865
chr1	13583711	13583711	+	1.385E-23	4.7601E-22	0.234804	hyper	sig	chr1_13583711
chr20	64053171	64053171	+	1.385E-23	4.7607E-22	-0.36626	hypo	sig	chr20_64053171
chr16	1378682	1378682	+	1.386E-23	4.7626E-22	-0.27956	hypo	sig	chr16_1378682
chr12	1.15E+08	114681007	+	1.386E-23	4.7648E-22	-0.27766	hypo	sig	chr12_114681007
chr11	1.19E+08	119306720	+	1.387E-23	4.7663E-22	0.274741	hyper	sig	chr11_119306720
chr11	8031053	8031053	+	1.389E-23	4.7731E-22	-0.44968	hypo	sig	chr11_8031053
chr3	1.38E+08	137761216	+	1.39E-23	4.7769E-22	0.481936	hyper	sig	chr3_137761216
chr11	27699532	27699532	+	1.391E-23	4.7793E-22	0.239563	hyper	sig	chr11_27699532
chr20	63980518	63980518	+	1.392E-23	4.782E-22	-0.3161	hypo	sig	chr20_63980518
chr10	510822	510822	+	1.392E-23	4.7846E-22	0.297735	hyper	sig	chr10_510822
chr2	1.15E+08	115163134	+	1.393E-23	4.7848E-22	0.345875	hyper	sig	chr2_115163134
chr4	6663990	6663990	+	1.394E-23	4.7891E-22	0.386395	hyper	sig	chr4_6663990
chr1	1.55E+08	155321464	+	1.395E-23	4.794E-22	0.328769	hyper	sig	chr1_155321464
chr6	27871810	27871810	+	1.395E-23	4.794E-22	-0.20417	hypo	sig	chr6_27871810
chr5	1.73E+08	173244775	+	1.396E-23	4.7964E-22	0.372758	hyper	sig	chr5_173244775
chr2	2.32E+08	231662775	+	1.397E-23	4.7996E-22	-0.339	hypo	sig	chr2_231662775
chr8	68331745	68331745	+	1.398E-23	4.8014E-22	0.373242	hyper	sig	chr8_68331745
chr12	1.24E+08	124380594	+	1.399E-23	4.8068E-22	0.333052	hyper	sig	chr12_124380594
chr7	1.57E+08	157020212	+	1.401E-23	4.8105E-22	0.26776	hyper	sig	chr7_157020212
chr5	1.29E+08	128965633	+	1.401E-23	4.812E-22	0.318801	hyper	sig	chr5_128965633
chr2	2.22E+08	222297078	+	1.402E-23	4.8137E-22	0.251867	hyper	sig	chr2_222297078
chr1	1.14E+08	114154410	+	1.402E-23	4.8141E-22	0.231242	hyper	sig	chr1_114154410
chr6	75205019	75205019	+	1.407E-23	4.8304E-22	0.240982	hyper	sig	chr6_75205019
chr12	1.14E+08	114414251	+	1.407E-23	4.8331E-22	0.269452	hyper	sig	chr12_114414251
chr10	1.24E+08	124341133	+	1.411E-23	4.8444E-22	-0.26414	hypo	sig	chr10_124341133
chr19	37691902	37691902	+	1.413E-23	4.8516E-22	0.287829	hyper	sig	chr19_37691902

chr2	72921068	72921068	+	1.414E-23	4.8558E-22	0.372907	hyper	sig	chr2_72921068
chr12	54090567	54090567	+	1.416E-23	4.8615E-22	0.333161	hyper	sig	chr12_54090567
chr14	77140627	77140627	+	1.417E-23	4.863E-22	0.242735	hyper	sig	chr14_77140627
chr1	1.21E+08	121118209	+	1.417E-23	4.864E-22	0.286584	hyper	sig	chr1_121118209
chr7	54542235	54542235	+	1.417E-23	4.8644E-22	0.27147	hyper	sig	chr7_54542235
chr14	28785647	28785647	+	1.425E-23	4.8904E-22	0.311483	hyper	sig	chr14_28785647
chr2	23617895	23617895	+	1.425E-23	4.8906E-22	0.380841	hyper	sig	chr2_23617895
chr19	11674331	11674331	+	1.427E-23	4.8969E-22	0.28305	hyper	sig	chr19_11674331
chr17	48493120	48493120	+	1.43E-23	4.9068E-22	-0.30104	hypo	sig	chr17_48493120
chr1	1.14E+08	114154441	+	1.432E-23	4.9145E-22	0.215495	hyper	sig	chr1_114154441
chr10	1.01E+08	101227732	+	1.433E-23	4.9185E-22	0.311721	hyper	sig	chr10_101227732
chr20	38806569	38806569	+	1.435E-23	4.9229E-22	0.241472	hyper	sig	chr20_38806569
chr7	1.55E+08	155373482	+	1.435E-23	4.9229E-22	0.289942	hyper	sig	chr7_155373482
chr19	10294443	10294443	+	1.436E-23	4.9281E-22	0.260963	hyper	sig	chr19_10294443
chr11	32438408	32438408	+	1.436E-23	4.9291E-22	0.3086	hyper	sig	chr11_32438408
chr4	95548143	95548143	+	1.441E-23	4.9452E-22	0.226748	hyper	sig	chr4_95548143
chr12	1.2E+08	119593979	+	1.443E-23	4.952E-22	0.20413	hyper	sig	chr12_119593979
chr2	38077583	38077583	+	1.447E-23	4.9629E-22	-0.21785	hypo	sig	chr2_38077583
chr11	32428302	32428302	+	1.448E-23	4.9676E-22	0.316651	hyper	sig	chr11_32428302
chr6	1.27E+08	127120525	+	1.45E-23	4.9736E-22	0.248333	hyper	sig	chr6_127120525
chr1	1942028	1942028	+	1.45E-23	4.9741E-22	-0.36696	hypo	sig	chr1_1942028
chr11	1.16E+08	116035302	+	1.451E-23	4.9786E-22	-0.2936	hypo	sig	chr11_116035302
chr9	72148998	72148998	+	1.452E-23	4.9822E-22	-0.30416	hypo	sig	chr9_72148998
chr19	13092924	13092924	+	1.453E-23	4.9841E-22	0.309115	hyper	sig	chr19_13092924
chr1	68229479	68229479	+	1.454E-23	4.9883E-22	0.271849	hyper	sig	chr1_68229479
chr7	1.01E+08	101299814	+	1.455E-23	4.9905E-22	0.410356	hyper	sig	chr7_101299814
chr13	1.13E+08	113495637	+	1.456E-23	4.992E-22	0.477592	hyper	sig	chr13_113495637
chr5	1.2E+08	120464539	+	1.456E-23	4.993E-22	0.256342	hyper	sig	chr5_120464539
chr20	46011665	46011665	+	1.457E-23	4.9949E-22	0.404027	hyper	sig	chr20_46011665
chr12	1.11E+08	111036212	+	1.457E-23	4.9954E-22	0.219433	hyper	sig	chr12_111036212
chr14	94773390	94773390	+	1.457E-23	4.9959E-22	0.284392	hyper	sig	chr14_94773390
chr5	1.76E+08	176181438	+	1.457E-23	4.9959E-22	-0.36996	hypo	sig	chr5_176181438
chr5	31639839	31639839	+	1.458E-23	4.9981E-22	0.295689	hyper	sig	chr5_31639839
chr6	1.58E+08	158322976	+	1.46E-23	5.005E-22	-0.29441	hypo	sig	chr6_158322976
chr4	3385566	3385566	+	1.461E-23	5.0097E-22	-0.31177	hypo	sig	chr4_3385566
chr8	33721512	33721512	+	1.462E-23	5.0117E-22	-0.31432	hypo	sig	chr8_33721512
chr11	1.24E+08	123559998	+	1.465E-23	5.0206E-22	0.355245	hyper	sig	chr11_123559998
chr10	27745264	27745264	+	1.465E-23	5.0232E-22	0.363795	hyper	sig	chr10_27745264
chr2	444632	444632	+	1.466E-23	5.0243E-22	-0.2955	hypo	sig	chr2_444632
chr6	1.69E+08	168999588	+	1.466E-23	5.0243E-22	-0.32387	hypo	sig	chr6_168999588
chr14	60510336	60510336	+	1.469E-23	5.0337E-22	0.300595	hyper	sig	chr14_60510336
chr12	1.24E+08	123931768	+	1.469E-23	5.035E-22	-0.28	hypo	sig	chr12_123931768
chr3	1.41E+08	141052225	+	1.469E-23	5.036E-22	0.346652	hyper	sig	chr3_141052225
chr10	49396601	49396601	+	1.473E-23	5.0466E-22	0.374048	hyper	sig	chr10_49396601
chr9	1.36E+08	136356303	+	1.473E-23	5.048E-22	-0.28228	hypo	sig	chr9_136356303
chr10	1.23E+08	123147232	+	1.474E-23	5.0527E-22	0.316321	hyper	sig	chr10_123147232
chr5	88678193	88678193	+	1.475E-23	5.0537E-22	0.358551	hyper	sig	chr5_88678193
chr5	64506515	64506515	+	1.475E-23	5.0538E-22	0.256904	hyper	sig	chr5_64506515
chr1	2.28E+08	228341332	+	1.476E-23	5.056E-22	-0.4112	hypo	sig	chr1_228341332
chr4	72032065	72032065	+	1.476E-23	5.0562E-22	0.345604	hyper	sig	chr4_72032065
chr4	10458281	10458281	+	1.476E-23	5.0585E-22	-0.306	hypo	sig	chr4_10458281
chr11	1.24E+08	124030038	+	1.477E-23	5.0615E-22	-0.26066	hypo	sig	chr11_124030038
chr2	2.36E+08	236236820	+	1.478E-23	5.0626E-22	0.271902	hyper	sig	chr2_236236820
chr15	39805987	39805987	+	1.479E-23	5.0651E-22	-0.30383	hypo	sig	chr15_39805987
chr16	77788902	77788902	+	1.479E-23	5.0651E-22	0.373806	hyper	sig	chr16_77788902
chr5	1.79E+08	179023672	+	1.483E-23	5.0797E-22	0.224305	hyper	sig	chr5_179023672

chr2	73291618	73291618	+	1.486E-23	5.0914E-22	0.297841	hyper	sig	chr2_73291618
chr5	1.41E+08	141121779	+	1.486E-23	5.0914E-22	0.294464	hyper	sig	chr5_141121779
chr13	36432246	36432246	+	1.487E-23	5.0917E-22	0.286976	hyper	sig	chr13_36432246
chr10	1.02E+08	102410941	+	1.488E-23	5.0947E-22	0.250544	hyper	sig	chr10_102410941
chr13	77919448	77919448	+	1.488E-23	5.096E-22	0.236264	hyper	sig	chr13_77919448
chr1	2.37E+08	236687059	+	1.49E-23	5.1011E-22	0.282753	hyper	sig	chr1_236687059
chr1	939334	939334	+	1.49E-23	5.1012E-22	-0.29789	hypo	sig	chr1_939334
chr2	70907500	70907500	+	1.492E-23	5.1078E-22	0.246519	hyper	sig	chr2_70907500
chr2	1.76E+08	176114206	+	1.493E-23	5.1109E-22	-0.26422	hypo	sig	chr2_176114206
chr1	8880438	8880438	+	1.494E-23	5.1164E-22	-0.26545	hypo	sig	chr1_8880438
chr6	27260970	27260970	+	1.496E-23	5.1233E-22	0.338525	hyper	sig	chr6_27260970
chr12	1.33E+08	132524186	+	1.498E-23	5.1271E-22	-0.32513	hypo	sig	chr12_132524186
chr10	1.29E+08	129353351	+	1.499E-23	5.1321E-22	-0.25147	hypo	sig	chr10_129353351
chr3	1.47E+08	147409792	+	1.5E-23	5.134E-22	0.321322	hyper	sig	chr3_147409792
chr2	2.2E+08	219515820	+	1.501E-23	5.137E-22	-0.30931	hypo	sig	chr2_219515820
chr6	26744039	26744039	+	1.501E-23	5.1382E-22	0.344861	hyper	sig	chr6_26744039
chr1	2E+08	200036705	+	1.502E-23	5.1415E-22	0.333801	hyper	sig	chr1_200036705
chr13	57629899	57629899	+	1.504E-23	5.1464E-22	0.312915	hyper	sig	chr13_57629899
chr13	50843841	50843841	+	1.504E-23	5.1468E-22	0.32466	hyper	sig	chr13_50843841
chr14	99118330	99118330	+	1.504E-23	5.1468E-22	0.313541	hyper	sig	chr14_99118330
chr1	10672843	10672843	+	1.506E-23	5.1543E-22	0.28148	hyper	sig	chr1_10672843
chr5	80961440	80961440	+	1.507E-23	5.1582E-22	-0.22738	hypo	sig	chr5_80961440
chr1	75128580	75128580	+	1.509E-23	5.1629E-22	0.269316	hyper	sig	chr1_75128580
chr11	64935825	64935825	+	1.509E-23	5.1648E-22	0.282602	hyper	sig	chr11_64935825
chr7	19106818	19106818	+	1.51E-23	5.1653E-22	0.311474	hyper	sig	chr7_19106818
chr11	2534377	2534377	+	1.512E-23	5.1743E-22	-0.30383	hypo	sig	chr11_2534377
chr11	3638580	3638580	+	1.513E-23	5.1773E-22	-0.3059	hypo	sig	chr11_3638580
chr7	1602194	1602194	+	1.513E-23	5.1773E-22	-0.31769	hypo	sig	chr7_1602194
chr19	22633051	22633051	+	1.516E-23	5.1863E-22	-0.23366	hypo	sig	chr19_22633051
chr6	4482903	4482903	+	1.518E-23	5.1925E-22	-0.32873	hypo	sig	chr6_4482903
chr19	48414859	48414859	+	1.522E-23	5.2051E-22	0.422948	hyper	sig	chr19_48414859
chr6	32166874	32166874	+	1.523E-23	5.2085E-22	0.283211	hyper	sig	chr6_32166874
chr16	51083937	51083937	+	1.524E-23	5.2121E-22	-0.29898	hypo	sig	chr16_51083937
chr3	1.87E+08	187139803	+	1.525E-23	5.2152E-22	0.213797	hyper	sig	chr3_187139803
chr6	73309839	73309839	+	1.525E-23	5.2162E-22	0.226398	hyper	sig	chr6_73309839
chr16	55656510	55656510	+	1.525E-23	5.2165E-22	0.28151	hyper	sig	chr16_55656510
chr16	85586379	85586379	+	1.526E-23	5.2199E-22	0.324182	hyper	sig	chr16_85586379
chr8	68330786	68330786	+	1.527E-23	5.2214E-22	0.368313	hyper	sig	chr8_68330786
chr11	64764271	64764271	+	1.527E-23	5.2223E-22	0.300387	hyper	sig	chr11_64764271
chr1	2.29E+08	229407796	+	1.529E-23	5.2297E-22	0.269181	hyper	sig	chr1_229407796
chr9	1.37E+08	136658774	+	1.53E-23	5.232E-22	-0.36995	hypo	sig	chr9_136658774
chr7	875448	875448	+	1.535E-23	5.2468E-22	0.236614	hyper	sig	chr7_875448
chr19	53255258	53255258	+	1.535E-23	5.2485E-22	0.378051	hyper	sig	chr19_53255258
chr2	1.31E+08	130725092	+	1.535E-23	5.2497E-22	-0.40983	hypo	sig	chr2_130725092
chr1	54548295	54548295	+	1.537E-23	5.2549E-22	0.357463	hyper	sig	chr1_54548295
chr7	1235616	1235616	+	1.538E-23	5.2569E-22	0.268725	hyper	sig	chr7_1235616
chr10	43863713	43863713	+	1.538E-23	5.2586E-22	-0.33619	hypo	sig	chr10_43863713
chr16	56194540	56194540	+	1.538E-23	5.2586E-22	0.204954	hyper	sig	chr16_56194540
chr2	1.18E+08	117836300	+	1.539E-23	5.2594E-22	0.395694	hyper	sig	chr2_117836300
chr16	1991173	1991173	+	1.541E-23	5.2684E-22	0.259365	hyper	sig	chr16_1991173
chr13	77786801	77786801	+	1.542E-23	5.2693E-22	0.238697	hyper	sig	chr13_77786801
chr7	1.28E+08	128454773	+	1.543E-23	5.2752E-22	0.309116	hyper	sig	chr7_128454773
chr1	1.1E+08	109764043	+	1.546E-23	5.2842E-22	-0.27096	hypo	sig	chr1_109764043
chr9	93953405	93953405	+	1.546E-23	5.2845E-22	0.240065	hyper	sig	chr9_93953405
chr17	36884703	36884703	+	1.548E-23	5.2886E-22	0.422588	hyper	sig	chr17_36884703
chr2	2.28E+08	228182048	+	1.549E-23	5.292E-22	0.370815	hyper	sig	chr2_228182048

chr17	1080269	1080269	+	1.55E-23	5.2978E-22	-0.39659	hypo	sig	chr17_1080269
chr9	1.13E+08	113387828	+	1.555E-23	5.3147E-22	-0.26261	hypo	sig	chr9_113387828
chr10	1.01E+08	100830632	+	1.556E-23	5.3179E-22	0.24443	hyper	sig	chr10_100830632
chr11	73263110	73263110	+	1.558E-23	5.3219E-22	-0.2689	hypo	sig	chr11_73263110
chr11	1.12E+08	112499815	+	1.558E-23	5.323E-22	-0.35672	hypo	sig	chr11_112499815
chr13	1.11E+08	110520959	+	1.559E-23	5.3273E-22	-0.31377	hypo	sig	chr13_110520959
chr4	1.64E+08	164383235	+	1.561E-23	5.3328E-22	0.280993	hyper	sig	chr4_164383235
chr12	1.03E+08	102961548	+	1.562E-23	5.3369E-22	0.280931	hyper	sig	chr12_102961548
chr8	96494903	96494903	+	1.562E-23	5.3369E-22	0.414849	hyper	sig	chr8_96494903
chr10	1.01E+08	101238060	+	1.563E-23	5.3389E-22	0.27368	hyper	sig	chr10_101238060
chr16	86566678	86566678	+	1.564E-23	5.3412E-22	0.293453	hyper	sig	chr16_86566678
chr12	1.17E+08	117189412	+	1.565E-23	5.3465E-22	0.29652	hyper	sig	chr12_117189412
chr7	97024344	97024344	+	1.568E-23	5.3562E-22	0.328683	hyper	sig	chr7_97024344
chr2	820893	820893	+	1.569E-23	5.3571E-22	-0.37638	hypo	sig	chr2_820893
chr5	37840686	37840686	+	1.57E-23	5.3616E-22	0.249998	hyper	sig	chr5_37840686
chr13	77919214	77919214	+	1.571E-23	5.3635E-22	0.293271	hyper	sig	chr13_77919214
chr6	470611	470611	+	1.572E-23	5.3668E-22	0.281193	hyper	sig	chr6_470611
chr3	75655464	75655464	+	1.573E-23	5.3715E-22	0.406814	hyper	sig	chr3_75655464
chr7	4210491	4210491	+	1.574E-23	5.3733E-22	-0.31791	hypo	sig	chr7_4210491
chr6	28814510	28814510	+	1.574E-23	5.3756E-22	0.291924	hyper	sig	chr6_28814510
chr1	27350589	27350589	+	1.575E-23	5.3757E-22	0.39749	hyper	sig	chr1_27350589
chr18	77250169	77250169	+	1.576E-23	5.3793E-22	0.252406	hyper	sig	chr18_77250169
chr7	1.01E+08	101299851	+	1.576E-23	5.3794E-22	0.390173	hyper	sig	chr7_101299851
chr11	20160691	20160691	+	1.577E-23	5.3839E-22	0.355049	hyper	sig	chr11_20160691
chr15	81418767	81418767	+	1.579E-23	5.3902E-22	-0.298	hypo	sig	chr15_81418767
chr11	45930246	45930246	+	1.58E-23	5.3949E-22	-0.28418	hypo	sig	chr11_45930246
chr19	53255105	53255105	+	1.582E-23	5.3988E-22	0.241563	hyper	sig	chr19_53255105
chr20	761104	761104	+	1.583E-23	5.4046E-22	0.332927	hyper	sig	chr20_761104
chr10	1.01E+08	101218243	+	1.584E-23	5.4046E-22	0.322903	hyper	sig	chr10_101218243
chr10	1.3E+08	130053948	+	1.584E-23	5.407E-22	-0.35826	hypo	sig	chr10_130053948
chr2	2.08E+08	208407137	+	1.585E-23	5.408E-22	0.295848	hyper	sig	chr2_208407137
chr8	24914844	24914844	+	1.585E-23	5.4087E-22	0.259731	hyper	sig	chr8_24914844
chr9	1.37E+08	136739692	+	1.585E-23	5.4095E-22	-0.31062	hypo	sig	chr9_136739692
chr11	22433115	22433115	+	1.587E-23	5.4161E-22	0.311294	hyper	sig	chr11_22433115
chr12	1.24E+08	123909300	+	1.587E-23	5.4161E-22	-0.30979	hypo	sig	chr12_123909300
chr8	22231931	22231931	+	1.588E-23	5.4189E-22	0.202253	hyper	sig	chr8_22231931
chr4	30721701	30721701	+	1.589E-23	5.4205E-22	0.273791	hyper	sig	chr4_30721701
chr3	1.25E+08	125142029	+	1.59E-23	5.4247E-22	0.269308	hyper	sig	chr3_125142029
chr7	1.55E+08	155374785	+	1.59E-23	5.4253E-22	0.21909	hyper	sig	chr7_155374785
chr7	4862384	4862384	+	1.59E-23	5.4256E-22	-0.26833	hypo	sig	chr7_4862384
chr12	3305036	3305036	+	1.591E-23	5.428E-22	-0.32772	hypo	sig	chr12_3305036
chr2	74499767	74499767	+	1.591E-23	5.4281E-22	0.353135	hyper	sig	chr2_74499767
chr19	47451694	47451694	+	1.592E-23	5.4298E-22	-0.33469	hypo	sig	chr19_47451694
chr11	1.12E+08	111976964	+	1.594E-23	5.436E-22	0.375857	hyper	sig	chr11_111976964
chr6	72621367	72621367	+	1.594E-23	5.4366E-22	0.259093	hyper	sig	chr6_72621367
chr13	1.12E+08	111920695	+	1.596E-23	5.4424E-22	-0.3067	hypo	sig	chr13_111920695
chr13	1.1E+08	110438395	+	1.597E-23	5.4462E-22	-0.27939	hypo	sig	chr13_110438395
chr1	1.81E+08	181483703	+	1.598E-23	5.4486E-22	0.273266	hyper	sig	chr1_181483703
chr1	75130316	75130316	+	1.598E-23	5.4498E-22	0.292454	hyper	sig	chr1_75130316
chr7	1.22E+08	122310269	+	1.599E-23	5.4512E-22	0.292398	hyper	sig	chr7_122310269
chr16	1146700	1146700	+	1.599E-23	5.4514E-22	-0.31542	hypo	sig	chr16_1146700
chr10	22334981	22334981	+	1.6E-23	5.4569E-22	0.316356	hyper	sig	chr10_22334981
chr10	49679458	49679458	+	1.601E-23	5.4597E-22	0.262896	hyper	sig	chr10_49679458
chr8	55449391	55449391	+	1.601E-23	5.4597E-22	-0.38843	hypo	sig	chr8_55449391
chr14	24172299	24172299	+	1.602E-23	5.462E-22	0.292677	hyper	sig	chr14_24172299
chr1	9652522	9652522	+	1.604E-23	5.4694E-22	0.254481	hyper	sig	chr1_9652522

chr9	1.25E+08	125260079	+	1.606E-23	5.4754E-22	-0.29632	hypo	sig	chr9_125260079
chr1	1.48E+08	148328970	+	1.607E-23	5.4789E-22	0.295383	hyper	sig	chr1_148328970
chr8	24914922	24914922	+	1.608E-23	5.4798E-22	0.245257	hyper	sig	chr8_24914922
chr13	1.13E+08	113495656	+	1.608E-23	5.4824E-22	0.399547	hyper	sig	chr13_113495656
chr6	98842803	98842803	+	1.609E-23	5.4836E-22	0.322151	hyper	sig	chr6_98842803
chr4	1.53E+08	153249670	+	1.609E-23	5.4838E-22	0.290598	hyper	sig	chr4_153249670
chr1	50428018	50428018	+	1.611E-23	5.4901E-22	0.26258	hyper	sig	chr1_50428018
chr10	3288412	3288412	+	1.612E-23	5.4933E-22	-0.36837	hypo	sig	chr10_3288412
chr20	21706740	21706740	+	1.612E-23	5.4947E-22	0.312787	hyper	sig	chr20_21706740
chr8	70072723	70072723	+	1.614E-23	5.5011E-22	0.309232	hyper	sig	chr8_70072723
chr17	20276833	20276833	+	1.617E-23	5.5088E-22	0.299053	hyper	sig	chr17_20276833
chr3	1.82E+08	181726670	+	1.62E-23	5.5191E-22	0.312117	hyper	sig	chr3_181726670
chr4	1.56E+08	155759898	+	1.626E-23	5.5388E-22	0.273341	hyper	sig	chr4_155759898
chr5	2034888	2034888	+	1.627E-23	5.543E-22	-0.29401	hypo	sig	chr5_2034888
chr7	55018576	55018576	+	1.628E-23	5.5455E-22	0.268047	hyper	sig	chr7_55018576
chr3	1.65E+08	165195816	+	1.628E-23	5.5473E-22	0.279937	hyper	sig	chr3_165195816
chr2	46299965	46299965	+	1.633E-23	5.562E-22	-0.20429	hypo	sig	chr2_46299965
chr8	52939784	52939784	+	1.633E-23	5.5621E-22	0.415636	hyper	sig	chr8_52939784
chr18	9535952	9535952	+	1.636E-23	5.5709E-22	0.318112	hyper	sig	chr18_9535952
chr16	50696970	50696970	+	1.638E-23	5.579E-22	-0.22225	hypo	sig	chr16_50696970
chr14	22882875	22882875	+	1.639E-23	5.5822E-22	0.277863	hyper	sig	chr14_22882875
chr4	1.22E+08	121764496	+	1.64E-23	5.5864E-22	0.288589	hyper	sig	chr4_121764496
chr7	50308919	50308919	+	1.642E-23	5.5918E-22	-0.30415	hypo	sig	chr7_50308919
chr8	1.01E+08	101118116	+	1.644E-23	5.5994E-22	-0.36974	hypo	sig	chr8_101118116
chr17	80064363	80064363	+	1.645E-23	5.6017E-22	-0.32666	hypo	sig	chr17_80064363
chr1	2.44E+08	243917752	+	1.646E-23	5.6045E-22	0.244841	hyper	sig	chr1_243917752
chr10	77711208	77711208	+	1.646E-23	5.6045E-22	0.284314	hyper	sig	chr10_77711208
chr1	46544384	46544384	+	1.648E-23	5.6099E-22	0.355408	hyper	sig	chr1_46544384
chr8	49909806	49909806	+	1.651E-23	5.6212E-22	0.277175	hyper	sig	chr8_49909806
chr7	1.01E+08	101362763	+	1.655E-23	5.6335E-22	0.374698	hyper	sig	chr7_101362763
chr2	25229504	25229504	+	1.655E-23	5.6336E-22	0.308556	hyper	sig	chr2_25229504
chr13	94712332	94712332	+	1.655E-23	5.6341E-22	0.272804	hyper	sig	chr13_94712332
chr7	91267320	91267320	+	1.657E-23	5.6401E-22	0.375289	hyper	sig	chr7_91267320
chr4	80266044	80266044	+	1.661E-23	5.6536E-22	0.262515	hyper	sig	chr4_80266044
chr11	72244146	72244146	+	1.662E-23	5.6569E-22	0.350394	hyper	sig	chr11_72244146
chr2	1.06E+08	106477551	+	1.665E-23	5.6666E-22	-0.27803	hypo	sig	chr2_106477551
chr5	1.81E+08	181219608	+	1.665E-23	5.6683E-22	0.302032	hyper	sig	chr5_181219608
chr1	44417470	44417470	+	1.666E-23	5.6691E-22	0.206611	hyper	sig	chr1_44417470
chr1	7784773	7784773	+	1.668E-23	5.6762E-22	0.328611	hyper	sig	chr1_7784773
chr14	77140590	77140590	+	1.669E-23	5.6796E-22	0.262804	hyper	sig	chr14_77140590
chr17	19868460	19868460	+	1.671E-23	5.6848E-22	0.239142	hyper	sig	chr17_19868460
chr3	94936708	94936708	+	1.671E-23	5.6859E-22	-0.25798	hypo	sig	chr3_94936708
chr10	1.18E+08	117534795	+	1.671E-23	5.686E-22	0.272344	hyper	sig	chr10_117534795
chr6	34238398	34238398	+	1.672E-23	5.689E-22	-0.26403	hypo	sig	chr6_34238398
chr8	1.09E+08	108787270	+	1.673E-23	5.6927E-22	0.217498	hyper	sig	chr8_108787270
chr19	15011134	15011134	+	1.676E-23	5.7016E-22	0.286907	hyper	sig	chr19_15011134
chr1	1.62E+08	161621674	+	1.676E-23	5.7021E-22	0.219999	hyper	sig	chr1_161621674
chr7	44309702	44309702	+	1.676E-23	5.7023E-22	0.244905	hyper	sig	chr7_44309702
chr7	1.43E+08	142797219	+	1.678E-23	5.7069E-22	0.268044	hyper	sig	chr7_142797219
chr17	61477311	61477311	+	1.678E-23	5.707E-22	0.310431	hyper	sig	chr17_61477311
chr17	48550941	48550941	+	1.679E-23	5.7123E-22	0.270256	hyper	sig	chr17_48550941
chr9	3181037	3181037	+	1.681E-23	5.7164E-22	0.238032	hyper	sig	chr9_3181037
chr19	36331846	36331846	+	1.688E-23	5.7399E-22	0.224796	hyper	sig	chr19_36331846
chr7	1027681	1027681	+	1.688E-23	5.7423E-22	0.277997	hyper	sig	chr7_1027681
chr1	85582975	85582975	+	1.689E-23	5.7443E-22	0.254653	hyper	sig	chr1_85582975
chr15	52787343	52787343	+	1.69E-23	5.7466E-22	0.328365	hyper	sig	chr15_52787343

chr19	49133353	49133353	+	1.691E-23	5.7511E-22	0.314917	hyper	sig	chr19_49133353
chr15	99925790	99925790	+	1.691E-23	5.7511E-22	0.312381	hyper	sig	chr15_99925790
chr1	2.14E+08	214303874	+	1.693E-23	5.7556E-22	0.298848	hyper	sig	chr1_214303874
chr7	8443779	8443779	+	1.693E-23	5.7563E-22	0.334422	hyper	sig	chr7_8443779
chr4	65668379	65668379	+	1.694E-23	5.7599E-22	0.260516	hyper	sig	chr4_65668379
chr10	1.31E+08	131088476	+	1.695E-23	5.7634E-22	-0.22439	hypo	sig	chr10_131088476
chr4	37889755	37889755	+	1.696E-23	5.7647E-22	0.281619	hyper	sig	chr4_37889755
chr5	42994021	42994021	+	1.697E-23	5.7696E-22	0.267205	hyper	sig	chr5_42994021
chr14	75427453	75427453	+	1.698E-23	5.7738E-22	0.258738	hyper	sig	chr14_75427453
chr10	1.01E+08	101134168	+	1.699E-23	5.7766E-22	0.381026	hyper	sig	chr10_101134168
chr5	54883775	54883775	+	1.702E-23	5.7869E-22	0.221778	hyper	sig	chr5_54883775
chr3	1.47E+08	147396001	+	1.704E-23	5.7923E-22	0.356979	hyper	sig	chr3_147396001
chr7	54544632	54544632	+	1.705E-23	5.7957E-22	0.317925	hyper	sig	chr7_54544632
chr6	10410323	10410323	+	1.708E-23	5.8056E-22	0.359497	hyper	sig	chr6_10410323
chr7	43112644	43112644	+	1.709E-23	5.8093E-22	0.294612	hyper	sig	chr7_43112644
chr19	38975137	38975137	+	1.711E-23	5.8158E-22	0.363097	hyper	sig	chr19_38975137
chr6	26225030	26225030	+	1.714E-23	5.8243E-22	0.301144	hyper	sig	chr6_26225030
chr21	37006165	37006165	+	1.714E-23	5.8254E-22	0.337536	hyper	sig	chr21_37006165
chr13	1.13E+08	113420079	+	1.716E-23	5.83E-22	-0.31682	hypo	sig	chr13_113420079
chr13	1.12E+08	112132459	+	1.716E-23	5.8308E-22	-0.37868	hypo	sig	chr13_112132459
chr3	1.41E+08	141051949	+	1.717E-23	5.8339E-22	0.241227	hyper	sig	chr3_141051949
chr15	70475109	70475109	+	1.72E-23	5.8425E-22	-0.25115	hypo	sig	chr15_70475109
chr1	1.21E+08	121118217	+	1.721E-23	5.8457E-22	0.295381	hyper	sig	chr1_121118217
chr16	1150070	1150070	+	1.722E-23	5.8501E-22	0.296638	hyper	sig	chr16_1150070
chr4	14360147	14360147	+	1.722E-23	5.8512E-22	-0.32797	hypo	sig	chr4_14360147
chr9	1.33E+08	132586879	+	1.724E-23	5.855E-22	0.304346	hyper	sig	chr9_132586879
chr10	1.32E+08	132249054	+	1.725E-23	5.8588E-22	-0.32975	hypo	sig	chr10_132249054
chr1	2.21E+08	220881019	+	1.726E-23	5.8618E-22	0.280874	hyper	sig	chr1_220881019
chr5	1.41E+08	141234330	+	1.729E-23	5.8734E-22	0.27294	hyper	sig	chr5_141234330
chr19	11673932	11673932	+	1.73E-23	5.8757E-22	0.268182	hyper	sig	chr19_11673932
chr11	78672841	78672841	+	1.732E-23	5.8813E-22	-0.35023	hypo	sig	chr11_78672841
chr1	2.43E+08	242523703	+	1.733E-23	5.8844E-22	0.333851	hyper	sig	chr1_242523703
chr8	40898616	40898616	+	1.733E-23	5.8844E-22	-0.26906	hypo	sig	chr8_40898616
chr1	2.36E+08	236396138	+	1.733E-23	5.8848E-22	0.250831	hyper	sig	chr1_236396138
chr11	2140937	2140937	+	1.734E-23	5.888E-22	0.351135	hyper	sig	chr11_2140937
chr21	44353306	44353306	+	1.734E-23	5.888E-22	-0.26278	hypo	sig	chr21_44353306
chr10	23191060	23191060	+	1.734E-23	5.8892E-22	0.318975	hyper	sig	chr10_23191060
chr1	95233251	95233251	+	1.737E-23	5.8995E-22	0.267079	hyper	sig	chr1_95233251
chr6	28091016	28091016	+	1.738E-23	5.9003E-22	0.325019	hyper	sig	chr6_28091016
chr7	97007403	97007403	+	1.738E-23	5.9003E-22	0.311193	hyper	sig	chr7_97007403
chr19	7515389	7515389	+	1.739E-23	5.9039E-22	0.25143	hyper	sig	chr19_7515389
chr12	53999639	53999639	+	1.739E-23	5.905E-22	0.283107	hyper	sig	chr12_53999639
chr8	11703949	11703949	+	1.74E-23	5.9061E-22	0.262478	hyper	sig	chr8_11703949
chr1	86157003	86157003	+	1.742E-23	5.9146E-22	0.220374	hyper	sig	chr1_86157003
chr21	42222358	42222358	+	1.743E-23	5.9159E-22	0.384225	hyper	sig	chr21_42222358
chr15	99118123	99118123	+	1.744E-23	5.9189E-22	0.346754	hyper	sig	chr15_99118123
chr1	1.65E+08	165354505	+	1.744E-23	5.9206E-22	0.305265	hyper	sig	chr1_165354505
chr19	9966610	9966610	+	1.75E-23	5.9392E-22	0.289042	hyper	sig	chr19_9966610
chr3	1.72E+08	172450008	+	1.751E-23	5.942E-22	0.301688	hyper	sig	chr3_172450008
chr12	1.13E+08	113479932	+	1.752E-23	5.9455E-22	0.299803	hyper	sig	chr12_113479932
chr15	25244140	25244140	+	1.754E-23	5.9539E-22	-0.28841	hypo	sig	chr15_25244140
chr2	1.81E+08	181457100	+	1.755E-23	5.9546E-22	0.223769	hyper	sig	chr2_181457100
chr4	1.09E+08	109302255	+	1.759E-23	5.9697E-22	0.305713	hyper	sig	chr4_109302255
chr9	3181059	3181059	+	1.763E-23	5.9807E-22	0.241189	hyper	sig	chr9_3181059
chr16	85534712	85534712	+	1.764E-23	5.9855E-22	0.25426	hyper	sig	chr16_85534712
chr3	1.47E+08	147395913	+	1.768E-23	5.9981E-22	0.27974	hyper	sig	chr3_147395913

chr10	75408795	75408795	+	1.773E-23	6.0158E-22	0.289008	hyper	sig	chr10_75408795
chr12	53945852	53945852	+	1.775E-23	6.0217E-22	0.359422	hyper	sig	chr12_53945852
chr8	1.31E+08	131041527	+	1.778E-23	6.0313E-22	0.336645	hyper	sig	chr8_131041527
chr1	2.28E+08	227775172	+	1.778E-23	6.033E-22	0.297102	hyper	sig	chr1_227775172
chr5	1.41E+08	141136358	+	1.785E-23	6.0554E-22	-0.32363	hypo	sig	chr5_141136358
chr7	1.59E+08	159144047	+	1.786E-23	6.058E-22	0.33238	hyper	sig	chr7_159144047
chr1	1.83E+08	183417102	+	1.788E-23	6.0652E-22	0.336231	hyper	sig	chr1_183417102
chr2	23569877	23569877	+	1.79E-23	6.0701E-22	0.289983	hyper	sig	chr2_23569877
chr12	1919115	1919115	+	1.79E-23	6.0702E-22	-0.26884	hypo	sig	chr12_1919115
chr17	7478402	7478402	+	1.791E-23	6.0725E-22	0.295421	hyper	sig	chr17_7478402
chr20	46011677	46011677	+	1.792E-23	6.076E-22	0.378601	hyper	sig	chr20_46011677
chr5	1.76E+08	175684605	+	1.793E-23	6.0787E-22	-0.29489	hypo	sig	chr5_175684605
chr19	43781788	43781788	+	1.794E-23	6.0845E-22	-0.26382	hypo	sig	chr19_43781788
chr5	1.41E+08	140848771	+	1.795E-23	6.0861E-22	0.312629	hyper	sig	chr5_140848771
chr16	84506094	84506094	+	1.799E-23	6.0983E-22	-0.29731	hypo	sig	chr16_84506094
chr10	1.3E+08	129869730	+	1.799E-23	6.099E-22	-0.24413	hypo	sig	chr10_129869730
chr3	1.8E+08	180036766	+	1.799E-23	6.1009E-22	0.275134	hyper	sig	chr3_180036766
chr20	61293368	61293368	+	1.8E-23	6.1016E-22	-0.3515	hypo	sig	chr20_61293368
chr4	7195784	7195784	+	1.8E-23	6.1017E-22	-0.26502	hypo	sig	chr4_7195784
chr14	21026023	21026023	+	1.8E-23	6.1019E-22	0.302254	hyper	sig	chr14_21026023
chr2	66433066	66433066	+	1.801E-23	6.1047E-22	0.218189	hyper	sig	chr2_66433066
chr2	1.19E+08	118833590	+	1.801E-23	6.1052E-22	0.222437	hyper	sig	chr2_118833590
chr9	35676302	35676302	+	1.801E-23	6.1057E-22	0.297172	hyper	sig	chr9_35676302
chr4	26061494	26061494	+	1.806E-23	6.1202E-22	-0.27669	hypo	sig	chr4_26061494
chr10	369601	369601	+	1.807E-23	6.1258E-22	0.300616	hyper	sig	chr10_369601
chr2	2.22E+08	222297069	+	1.807E-23	6.126E-22	0.26184	hyper	sig	chr2_222297069
chr16	66485271	66485271	+	1.811E-23	6.1381E-22	-0.33428	hypo	sig	chr16_66485271
chr8	9324778	9324778	+	1.812E-23	6.1393E-22	-0.27701	hypo	sig	chr8_9324778
chr7	1.56E+08	155576622	+	1.812E-23	6.1397E-22	-0.27077	hypo	sig	chr7_155576622
chr1	2.28E+08	228212584	+	1.814E-23	6.147E-22	0.42669	hyper	sig	chr1_228212584
chr5	1.42E+08	142326661	+	1.816E-23	6.1527E-22	-0.35479	hypo	sig	chr5_142326661
chr19	6271826	6271826	+	1.819E-23	6.1621E-22	0.406702	hyper	sig	chr19_6271826
chr7	1.22E+08	122316731	+	1.819E-23	6.1647E-22	0.225364	hyper	sig	chr7_122316731
chr7	1.55E+08	155470654	+	1.821E-23	6.1684E-22	0.382454	hyper	sig	chr7_155470654
chr2	1.31E+08	131034463	+	1.821E-23	6.1705E-22	0.258584	hyper	sig	chr2_131034463
chr7	27103647	27103647	+	1.822E-23	6.1719E-22	0.321349	hyper	sig	chr7_27103647
chr11	27721646	27721646	+	1.823E-23	6.1768E-22	0.360818	hyper	sig	chr11_27721646
chr11	64742187	64742187	+	1.824E-23	6.1777E-22	-0.31255	hypo	sig	chr11_64742187
chr4	2625375	2625375	+	1.825E-23	6.1833E-22	0.249445	hyper	sig	chr4_2625375
chr2	86791005	86791005	+	1.828E-23	6.1915E-22	0.340891	hyper	sig	chr2_86791005
chr1	54951089	54951089	+	1.829E-23	6.1941E-22	-0.32632	hypo	sig	chr1_54951089
chr12	1.3E+08	130161100	+	1.83E-23	6.1983E-22	0.288579	hyper	sig	chr12_130161100
chr1	47445242	47445242	+	1.837E-23	6.2208E-22	0.231434	hyper	sig	chr1_47445242
chr6	31728521	31728521	+	1.837E-23	6.2209E-22	0.284856	hyper	sig	chr6_31728521
chr4	3649506	3649506	+	1.837E-23	6.2222E-22	-0.30424	hypo	sig	chr4_3649506
chr7	1239590	1239590	+	1.838E-23	6.2234E-22	0.260425	hyper	sig	chr7_1239590
chr6	36858914	36858914	+	1.84E-23	6.2317E-22	0.287199	hyper	sig	chr6_36858914
chr11	1.16E+08	116035283	+	1.842E-23	6.2358E-22	-0.28193	hypo	sig	chr11_116035283
chr5	1.78E+08	178154565	+	1.842E-23	6.2373E-22	-0.2715	hypo	sig	chr5_178154565
chr8	43291176	43291176	+	1.844E-23	6.2425E-22	-0.30108	hypo	sig	chr8_43291176
chr3	1.38E+08	137770921	+	1.846E-23	6.2497E-22	0.299298	hyper	sig	chr3_137770921
chr13	26049648	26049648	+	1.847E-23	6.2522E-22	0.202435	hyper	sig	chr13_26049648
chr5	1.38E+08	138488546	+	1.849E-23	6.258E-22	-0.29205	hypo	sig	chr5_138488546
chr17	75891341	75891341	+	1.849E-23	6.2589E-22	-0.25057	hypo	sig	chr17_75891341
chr11	69817358	69817358	+	1.85E-23	6.2617E-22	0.218014	hyper	sig	chr11_69817358
chr1	1.19E+08	118987457	+	1.853E-23	6.2732E-22	0.295934	hyper	sig	chr1_118987457

chr7	8442454	8442454	+	1.854E-23	6.2737E-22	0.336911	hyper	sig	chr7_8442454
chr18	21242962	21242962	+	1.855E-23	6.2766E-22	0.323523	hyper	sig	chr18_21242962
chr8	11347255	11347255	+	1.855E-23	6.2766E-22	0.271302	hyper	sig	chr8_11347255
chr10	47350971	47350971	+	1.855E-23	6.2778E-22	-0.23423	hypo	sig	chr10_47350971
chr7	1.01E+08	101362754	+	1.856E-23	6.2797E-22	0.374122	hyper	sig	chr7_101362754
chr13	52487567	52487567	+	1.857E-23	6.2827E-22	-0.32375	hypo	sig	chr13_52487567
chr7	1.55E+08	155374650	+	1.857E-23	6.2831E-22	0.264459	hyper	sig	chr7_155374650
chr14	23365805	23365805	+	1.857E-23	6.2849E-22	0.213299	hyper	sig	chr14_23365805
chr22	50190730	50190730	+	1.859E-23	6.2902E-22	0.205091	hyper	sig	chr22_50190730
chr10	1.28E+08	128047673	+	1.859E-23	6.2907E-22	-0.27137	hypo	sig	chr10_128047673
chr12	81758646	81758646	+	1.86E-23	6.2922E-22	0.263581	hyper	sig	chr12_81758646
chr2	55923206	55923206	+	1.863E-23	6.304E-22	0.212666	hyper	sig	chr2_55923206
chr9	1.35E+08	134643430	+	1.867E-23	6.3163E-22	0.368298	hyper	sig	chr9_134643430
chr6	27213881	27213881	+	1.868E-23	6.3202E-22	0.279005	hyper	sig	chr6_27213881
chr1	24964995	24964995	+	1.87E-23	6.3239E-22	-0.29836	hypo	sig	chr1_24964995
chr6	1.46E+08	146029447	+	1.871E-23	6.3291E-22	0.30267	hyper	sig	chr6_146029447
chr2	1.19E+08	118842243	+	1.873E-23	6.3361E-22	0.324297	hyper	sig	chr2_118842243
chr19	5037131	5037131	+	1.874E-23	6.338E-22	0.272797	hyper	sig	chr19_5037131
chr6	10882882	10882882	+	1.875E-23	6.3412E-22	0.291865	hyper	sig	chr6_10882882
chr3	27731239	27731239	+	1.876E-23	6.3442E-22	0.300904	hyper	sig	chr3_27731239
chr7	2104307	2104307	+	1.877E-23	6.348E-22	0.356812	hyper	sig	chr7_2104307
chr5	44388982	44388982	+	1.882E-23	6.3632E-22	0.331334	hyper	sig	chr5_44388982
chr18	13828528	13828528	+	1.882E-23	6.3655E-22	-0.32245	hypo	sig	chr18_13828528
chr13	99971896	99971896	+	1.884E-23	6.3709E-22	0.369434	hyper	sig	chr13_99971896
chr7	19106921	19106921	+	1.886E-23	6.3763E-22	0.32343	hyper	sig	chr7_19106921
chr11	92224481	92224481	+	1.889E-23	6.3868E-22	0.237647	hyper	sig	chr11_92224481
chr10	22345292	22345292	+	1.892E-23	6.3967E-22	0.286924	hyper	sig	chr10_22345292
chr8	1.44E+08	144047090	+	1.892E-23	6.397E-22	-0.3089	hypo	sig	chr8_144047090
chr1	47444402	47444402	+	1.893E-23	6.3984E-22	0.290622	hyper	sig	chr1_47444402
chr8	70071540	70071540	+	1.894E-23	6.4028E-22	0.366875	hyper	sig	chr8_70071540
chr5	1.29E+08	128536507	+	1.896E-23	6.4106E-22	0.211636	hyper	sig	chr5_128536507
chr3	1.56E+08	155745851	+	1.897E-23	6.4106E-22	-0.33596	hypo	sig	chr3_155745851
chr14	60648021	60648021	+	1.897E-23	6.4117E-22	0.368184	hyper	sig	chr14_60648021
chr19	53308757	53308757	+	1.899E-23	6.4175E-22	0.335634	hyper	sig	chr19_53308757
chr14	24172292	24172292	+	1.899E-23	6.419E-22	0.293174	hyper	sig	chr14_24172292
chr17	81044884	81044884	+	1.903E-23	6.4321E-22	0.271206	hyper	sig	chr17_81044884
chr16	5236508	5236508	+	1.905E-23	6.4379E-22	-0.28873	hypo	sig	chr16_5236508
chr2	71560684	71560684	+	1.906E-23	6.4418E-22	0.313937	hyper	sig	chr2_71560684
chr3	1.72E+08	172450062	+	1.906E-23	6.4418E-22	0.359709	hyper	sig	chr3_172450062
chr3	1.39E+08	138950116	+	1.911E-23	6.4573E-22	0.210788	hyper	sig	chr3_138950116
chr3	1.33E+08	133038918	+	1.911E-23	6.4573E-22	0.3249	hyper	sig	chr3_133038918
chr16	50673887	50673887	+	1.911E-23	6.4574E-22	0.3752	hyper	sig	chr16_50673887
chr12	6964016	6964016	+	1.912E-23	6.4587E-22	-0.31069	hypo	sig	chr12_6964016
chr13	21319222	21319222	+	1.913E-23	6.4629E-22	0.337752	hyper	sig	chr13_21319222
chr12	1.13E+08	113469296	+	1.915E-23	6.4678E-22	0.257904	hyper	sig	chr12_113469296
chr16	68642631	68642631	+	1.918E-23	6.4775E-22	0.314165	hyper	sig	chr16_68642631
chr18	905381	905381	+	1.92E-23	6.4845E-22	0.321594	hyper	sig	chr18_905381
chr9	93346207	93346207	+	1.923E-23	6.4966E-22	0.384057	hyper	sig	chr9_93346207
chr20	48805789	48805789	+	1.927E-23	6.508E-22	-0.26129	hypo	sig	chr20_48805789
chr16	1461173	1461173	+	1.929E-23	6.5139E-22	0.262391	hyper	sig	chr16_1461173
chr11	40293854	40293854	+	1.931E-23	6.5216E-22	0.302737	hyper	sig	chr11_40293854
chr11	44929941	44929941	+	1.932E-23	6.524E-22	-0.26906	hypo	sig	chr11_44929941
chr11	20208365	20208365	+	1.932E-23	6.5252E-22	0.321893	hyper	sig	chr11_20208365
chr1	1.44E+08	143652975	+	1.933E-23	6.5275E-22	0.358541	hyper	sig	chr1_143652975
chr2	2.34E+08	233939251	+	1.934E-23	6.5291E-22	0.340135	hyper	sig	chr2_233939251
chr11	1.23E+08	122977390	+	1.935E-23	6.5326E-22	0.365035	hyper	sig	chr11_122977390

chr11	1.3E+08	129846575	+	1.938E-23	6.5447E-22	-0.27012	hypo	sig	chr11_129846575
chr22	50267559	50267559	+	1.948E-23	6.5758E-22	0.500239	hyper	sig	chr22_50267559
chr2	2.41E+08	240565784	+	1.95E-23	6.5847E-22	-0.27071	hypo	sig	chr2_240565784
chr5	16178990	16178990	+	1.952E-23	6.5883E-22	0.247568	hyper	sig	chr5_16178990
chr16	23216073	23216073	+	1.952E-23	6.5903E-22	-0.37047	hypo	sig	chr16_23216073
chr12	1.19E+08	118981028	+	1.953E-23	6.5917E-22	0.408593	hyper	sig	chr12_118981028
chr8	64576274	64576274	+	1.953E-23	6.5921E-22	0.204556	hyper	sig	chr8_64576274
chr8	1.28E+08	127754742	+	1.954E-23	6.5961E-22	0.231854	hyper	sig	chr8_127754742
chr8	1.41E+08	141445970	+	1.955E-23	6.5975E-22	-0.34556	hypo	sig	chr8_141445970
chr2	83181212	83181212	+	1.959E-23	6.6125E-22	-0.29905	hypo	sig	chr2_83181212
chr12	1.24E+08	124411598	+	1.962E-23	6.6226E-22	0.279381	hyper	sig	chr12_124411598
chr5	1553121	1553121	+	1.969E-23	6.644E-22	0.284437	hyper	sig	chr5_1553121
chr7	96997654	96997654	+	1.969E-23	6.6456E-22	0.344186	hyper	sig	chr7_96997654
chr14	75427471	75427471	+	1.971E-23	6.6508E-22	0.231776	hyper	sig	chr14_75427471
chr6	1.52E+08	151807470	+	1.972E-23	6.6536E-22	0.22448	hyper	sig	chr6_151807470
chr6	1.7E+08	170250918	+	1.974E-23	6.6587E-22	-0.29724	hypo	sig	chr6_170250918
chr12	1.03E+08	102961353	+	1.979E-23	6.6758E-22	0.285469	hyper	sig	chr12_102961353
chr2	2.13E+08	212536539	+	1.988E-23	6.7059E-22	0.30349	hyper	sig	chr2_212536539
chr13	1.02E+08	101916522	+	1.988E-23	6.7073E-22	0.345378	hyper	sig	chr13_101916522
chr2	467906	467906	+	1.989E-23	6.7082E-22	0.317198	hyper	sig	chr2_467906
chr22	39569913	39569913	+	1.989E-23	6.7085E-22	-0.27554	hypo	sig	chr22_39569913
chr7	1620859	1620859	+	1.99E-23	6.7124E-22	-0.31377	hypo	sig	chr7_1620859
chr21	32585523	32585523	+	1.991E-23	6.7139E-22	-0.32517	hypo	sig	chr21_32585523
chr18	50298745	50298745	+	1.992E-23	6.7193E-22	0.287487	hyper	sig	chr18_50298745
chr5	5139684	5139684	+	1.992E-23	6.7193E-22	0.315107	hyper	sig	chr5_5139684
chr1	77282517	77282517	+	1.994E-23	6.7231E-22	0.228111	hyper	sig	chr1_77282517
chr11	68928022	68928022	+	1.997E-23	6.7325E-22	0.350113	hyper	sig	chr11_68928022
chr13	1.12E+08	112063494	+	1.996E-23	6.7325E-22	0.423109	hyper	sig	chr13_112063494
chr20	5302279	5302279	+	1.997E-23	6.7325E-22	-0.25691	hypo	sig	chr20_5302279
chr2	12844655	12844655	+	1.997E-23	6.7351E-22	0.326477	hyper	sig	chr2_12844655
chr2	1.01E+08	101251894	+	2E-23	6.7428E-22	-0.27666	hypo	sig	chr2_101251894
chr12	1.17E+08	116882189	+	2.002E-23	6.7505E-22	0.299016	hyper	sig	chr12_116882189
chr14	77140883	77140883	+	2.004E-23	6.7558E-22	0.33373	hyper	sig	chr14_77140883
chr5	1.41E+08	141345701	+	2.004E-23	6.7571E-22	0.294736	hyper	sig	chr5_141345701
chr4	1.11E+08	110633306	+	2.005E-23	6.7576E-22	0.303774	hyper	sig	chr4_110633306
chr7	97024509	97024509	+	2.005E-23	6.7577E-22	0.278884	hyper	sig	chr7_97024509
chr12	1.14E+08	114439233	+	2.007E-23	6.7642E-22	0.272142	hyper	sig	chr12_114439233
chr17	48727052	48727052	+	2.012E-23	6.78E-22	0.311713	hyper	sig	chr17_48727052
chr6	1.06E+08	105981875	+	2.012E-23	6.7828E-22	0.321807	hyper	sig	chr6_105981875
chr5	71719721	71719721	+	2.013E-23	6.7849E-22	0.383327	hyper	sig	chr5_71719721
chr2	1.92E+08	191885884	+	2.017E-23	6.7972E-22	-0.3164	hypo	sig	chr2_191885884
chr2	38075483	38075483	+	2.018E-23	6.7998E-22	0.399992	hyper	sig	chr2_38075483
chr17	83014460	83014460	+	2.019E-23	6.8047E-22	-0.27639	hypo	sig	chr17_83014460
chr12	53939367	53939367	+	2.023E-23	6.8176E-22	0.313266	hyper	sig	chr12_53939367
chr5	1.38E+08	138139254	+	2.023E-23	6.8177E-22	0.211378	hyper	sig	chr5_138139254
chr11	72013541	72013541	+	2.026E-23	6.8264E-22	0.270857	hyper	sig	chr11_72013541
chr2	1.13E+08	113275822	+	2.031E-23	6.8428E-22	0.292167	hyper	sig	chr2_113275822
chr12	52618221	52618221	+	2.034E-23	6.8529E-22	-0.34983	hypo	sig	chr12_52618221
chr2	2.19E+08	219418430	+	2.034E-23	6.8537E-22	0.305822	hyper	sig	chr2_219418430
chr5	1.41E+08	141234517	+	2.034E-23	6.8537E-22	0.321832	hyper	sig	chr5_141234517
chr3	1.84E+08	184492370	+	2.036E-23	6.8581E-22	0.304855	hyper	sig	chr3_184492370
chr11	32437223	32437223	+	2.042E-23	6.8775E-22	0.286728	hyper	sig	chr11_32437223
chr10	1.2E+08	120012673	+	2.044E-23	6.8847E-22	-0.31631	hypo	sig	chr10_120012673
chr2	2.22E+08	222299073	+	2.046E-23	6.8926E-22	0.242894	hyper	sig	chr2_222299073
chr10	1.03E+08	103276888	+	2.047E-23	6.894E-22	0.280349	hyper	sig	chr10_103276888
chr19	52453579	52453579	+	2.047E-23	6.8954E-22	0.26987	hyper	sig	chr19_52453579

chr1	45622817	45622817	+	2.052E-23	6.9094E-22	0.304567	hyper	sig	chr1_45622817
chr5	55221069	55221069	+	2.052E-23	6.9095E-22	0.322702	hyper	sig	chr5_55221069
chr10	27999213	27999213	+	2.053E-23	6.9133E-22	0.259639	hyper	sig	chr10_27999213
chr20	10218654	10218654	+	2.056E-23	6.9225E-22	0.285674	hyper	sig	chr20_10218654
chr2	2.28E+08	228181708	+	2.057E-23	6.9251E-22	0.359676	hyper	sig	chr2_228181708
chr4	1.55E+08	155211513	+	2.057E-23	6.9251E-22	-0.36909	hypo	sig	chr4_155211513
chr4	1.53E+08	153249479	+	2.057E-23	6.9263E-22	0.219906	hyper	sig	chr4_153249479
chr7	1.28E+08	128032205	+	2.058E-23	6.9301E-22	0.299997	hyper	sig	chr7_128032205
chr9	1.34E+08	133918349	+	2.059E-23	6.9312E-22	0.334175	hyper	sig	chr9_133918349
chr12	40692248	40692248	+	2.06E-23	6.9337E-22	0.227024	hyper	sig	chr12_40692248
chr1	1.45E+08	144567564	+	2.062E-23	6.9403E-22	0.30924	hyper	sig	chr1_144567564
chr1	2E+08	200035456	+	2.065E-23	6.9522E-22	0.241451	hyper	sig	chr1_200035456
chr7	27124201	27124201	+	2.066E-23	6.9532E-22	0.350918	hyper	sig	chr7_27124201
chr4	1.11E+08	110630731	+	2.069E-23	6.9661E-22	0.301494	hyper	sig	chr4_110630731
chr12	53974488	53974488	+	2.071E-23	6.9719E-22	0.271413	hyper	sig	chr12_53974488
chr17	63701006	63701006	+	2.073E-23	6.9757E-22	0.29861	hyper	sig	chr17_63701006
chr12	47083440	47083440	+	2.073E-23	6.9764E-22	-0.23578	hypo	sig	chr12_47083440
chr10	49679446	49679446	+	2.074E-23	6.9812E-22	0.295162	hyper	sig	chr10_49679446
chr3	44585059	44585059	+	2.075E-23	6.9815E-22	0.244643	hyper	sig	chr3_44585059
chr1	86157019	86157019	+	2.075E-23	6.9842E-22	0.241575	hyper	sig	chr1_86157019
chr3	1.3E+08	129974777	+	2.078E-23	6.9933E-22	0.318004	hyper	sig	chr3_129974777
chr1	1.55E+08	155321554	+	2.078E-23	6.9938E-22	0.270586	hyper	sig	chr1_155321554
chr6	39792776	39792776	+	2.079E-23	6.9938E-22	0.230955	hyper	sig	chr6_39792776
chr19	44448596	44448596	+	2.08E-23	7E-22	0.207964	hyper	sig	chr19_44448596
chr1	50427445	50427445	+	2.081E-23	7.0021E-22	0.219583	hyper	sig	chr1_50427445
chr10	1.01E+08	101236500	+	2.081E-23	7.0024E-22	0.277448	hyper	sig	chr10_101236500
chr3	10290729	10290729	+	2.082E-23	7.0056E-22	0.252625	hyper	sig	chr3_10290729
chr5	1.8E+08	180041653	+	2.084E-23	7.0118E-22	-0.38377	hypo	sig	chr5_180041653
chr16	75233959	75233959	+	2.088E-23	7.0223E-22	0.361244	hyper	sig	chr16_75233959
chr2	2.39E+08	238890957	+	2.089E-23	7.0272E-22	-0.33991	hypo	sig	chr2_238890957
chr10	23173192	23173192	+	2.092E-23	7.0354E-22	0.364982	hyper	sig	chr10_23173192
chr1	2.29E+08	229407431	+	2.102E-23	7.0695E-22	0.419197	hyper	sig	chr1_229407431
chr6	1.52E+08	151807785	+	2.102E-23	7.0695E-22	0.308672	hyper	sig	chr6_151807785
chr12	1.21E+08	120649876	+	2.104E-23	7.0765E-22	0.225818	hyper	sig	chr12_120649876
chr2	1.2E+08	120346590	+	2.105E-23	7.079E-22	0.251152	hyper	sig	chr2_120346590
chr8	79610991	79610991	+	2.109E-23	7.0932E-22	0.260235	hyper	sig	chr8_79610991
chr5	1.78E+08	177985629	+	2.11E-23	7.0962E-22	0.403267	hyper	sig	chr5_177985629
chr16	3175063	3175063	+	2.113E-23	7.1057E-22	0.277297	hyper	sig	chr16_3175063
chr7	1.46E+08	146115771	+	2.114E-23	7.1067E-22	0.334847	hyper	sig	chr7_146115771
chr1	1.71E+08	170669766	+	2.114E-23	7.107E-22	0.320274	hyper	sig	chr1_170669766
chr5	1.41E+08	141389500	+	2.115E-23	7.1114E-22	0.307125	hyper	sig	chr5_141389500
chr6	32056691	32056691	+	2.118E-23	7.1216E-22	-0.28554	hypo	sig	chr6_32056691
chr14	1.01E+08	101061819	+	2.12E-23	7.1285E-22	-0.31635	hypo	sig	chr14_101061819
chr15	82664121	82664121	+	2.123E-23	7.1362E-22	-0.28073	hypo	sig	chr15_82664121
chr16	55656688	55656688	+	2.125E-23	7.1425E-22	0.330476	hyper	sig	chr16_55656688
chr12	1.27E+08	127280969	+	2.127E-23	7.1514E-22	0.266647	hyper	sig	chr12_127280969
chr7	1.51E+08	151125815	+	2.131E-23	7.1637E-22	0.371143	hyper	sig	chr7_151125815
chr12	53972661	53972661	+	2.135E-23	7.1753E-22	0.311726	hyper	sig	chr12_53972661
chr7	1.22E+08	122300238	+	2.135E-23	7.1754E-22	0.347891	hyper	sig	chr7_122300238
chr5	506331	506331	+	2.136E-23	7.1774E-22	-0.45261	hypo	sig	chr5_506331
chr2	1.2E+08	120174926	+	2.137E-23	7.1826E-22	0.296142	hyper	sig	chr2_120174926
chr9	1.37E+08	137136364	+	2.138E-23	7.1842E-22	-0.37587	hypo	sig	chr9_137136364
chr8	74984876	74984876	+	2.138E-23	7.1847E-22	0.237919	hyper	sig	chr8_74984876
chr19	3189517	3189517	+	2.14E-23	7.1921E-22	-0.29292	hypo	sig	chr19_3189517
chr7	1.56E+08	155510204	+	2.14E-23	7.1921E-22	0.249292	hyper	sig	chr7_155510204
chr5	1.41E+08	141371912	+	2.141E-23	7.1929E-22	0.306068	hyper	sig	chr5_141371912

chr5	43192830	43192830	+	2.142E-23	7.1984E-22	0.223944	hyper	sig	chr5_43192830
chr7	1.01E+08	100721014	+	2.143E-23	7.1988E-22	0.360237	hyper	sig	chr7_100721014
chr5	41509772	41509772	+	2.144E-23	7.2029E-22	0.288554	hyper	sig	chr5_41509772
chr2	499710	499710	+	2.144E-23	7.203E-22	-0.33052	hypo	sig	chr2_499710
chr1	27567390	27567390	+	2.147E-23	7.2125E-22	0.342742	hyper	sig	chr1_27567390
chr11	33372800	33372800	+	2.149E-23	7.2207E-22	-0.34028	hypo	sig	chr11_33372800
chr2	64858047	64858047	+	2.151E-23	7.2252E-22	0.385206	hyper	sig	chr2_64858047
chr11	40293882	40293882	+	2.151E-23	7.2257E-22	0.284324	hyper	sig	chr11_40293882
chr6	30127769	30127769	+	2.151E-23	7.2257E-22	0.316708	hyper	sig	chr6_30127769
chr8	71557778	71557778	+	2.152E-23	7.2286E-22	0.374479	hyper	sig	chr8_71557778
chr14	56812441	56812441	+	2.153E-23	7.2317E-22	0.295645	hyper	sig	chr14_56812441
chr11	31804924	31804924	+	2.154E-23	7.234E-22	0.366502	hyper	sig	chr11_31804924
chr1	2.36E+08	236064178	+	2.156E-23	7.2421E-22	0.235363	hyper	sig	chr1_236064178
chr12	46831537	46831537	+	2.16E-23	7.2529E-22	0.24407	hyper	sig	chr12_46831537
chr2	2.38E+08	238099187	+	2.161E-23	7.2571E-22	-0.3334	hypo	sig	chr2_238099187
chr6	1.61E+08	160679549	+	2.162E-23	7.2606E-22	0.317005	hyper	sig	chr6_160679549
chr2	2.2E+08	219553131	+	2.163E-23	7.2639E-22	0.230798	hyper	sig	chr2_219553131
chr10	42242783	42242783	+	2.165E-23	7.2679E-22	0.358177	hyper	sig	chr10_42242783
chr13	1.08E+08	107865955	+	2.165E-23	7.2692E-22	0.341571	hyper	sig	chr13_107865955
chr17	64778848	64778848	+	2.166E-23	7.2732E-22	0.315983	hyper	sig	chr17_64778848
chr4	39169611	39169611	+	2.167E-23	7.2738E-22	-0.30995	hypo	sig	chr4_39169611
chr5	45696407	45696407	+	2.17E-23	7.2855E-22	0.337962	hyper	sig	chr5_45696407
chr2	554378	554378	+	2.172E-23	7.2905E-22	-0.30237	hypo	sig	chr2_554378
chr17	44915365	44915365	+	2.172E-23	7.2923E-22	-0.36438	hypo	sig	chr17_44915365
chr19	2699701	2699701	+	2.174E-23	7.2964E-22	-0.3588	hypo	sig	chr19_2699701
chr3	11568771	11568771	+	2.177E-23	7.3069E-22	0.318356	hyper	sig	chr3_11568771
chr6	1.66E+08	166168718	+	2.179E-23	7.3133E-22	0.241576	hyper	sig	chr6_166168718
chr15	93071917	93071917	+	2.18E-23	7.3155E-22	0.291266	hyper	sig	chr15_93071917
chr6	1.33E+08	133241652	+	2.181E-23	7.318E-22	0.458357	hyper	sig	chr6_133241652
chr7	99580072	99580072	+	2.181E-23	7.319E-22	0.342371	hyper	sig	chr7_99580072
chr12	1.17E+08	117189418	+	2.197E-23	7.3721E-22	0.291554	hyper	sig	chr12_117189418
chr14	43541166	43541166	+	2.199E-23	7.3776E-22	-0.3833	hypo	sig	chr14_43541166
chr2	2.4E+08	239528005	+	2.2E-23	7.3829E-22	-0.25086	hypo	sig	chr2_239528005
chr12	1.13E+08	113463834	+	2.202E-23	7.3889E-22	0.327859	hyper	sig	chr12_113463834
chr4	1.76E+08	176001615	+	2.202E-23	7.3889E-22	0.300025	hyper	sig	chr4_176001615
chr22	45212805	45212805	+	2.204E-23	7.3949E-22	0.348004	hyper	sig	chr22_45212805
chr5	55822104	55822104	+	2.205E-23	7.3974E-22	0.295189	hyper	sig	chr5_55822104
chr11	20160689	20160689	+	2.207E-23	7.4028E-22	0.35236	hyper	sig	chr11_20160689
chr3	8764679	8764679	+	2.207E-23	7.4041E-22	-0.32675	hypo	sig	chr3_8764679
chr16	88967426	88967426	+	2.209E-23	7.4099E-22	-0.31262	hypo	sig	chr16_88967426
chr1	2E+08	200034237	+	2.215E-23	7.4299E-22	0.264757	hyper	sig	chr1_200034237
chr12	53103137	53103137	+	2.216E-23	7.4321E-22	-0.28796	hypo	sig	chr12_53103137
chr2	2.32E+08	231662747	+	2.216E-23	7.4328E-22	-0.32505	hypo	sig	chr2_231662747
chr5	1.41E+08	141330986	+	2.216E-23	7.4328E-22	0.291739	hyper	sig	chr5_141330986
chr2	29919262	29919262	+	2.219E-23	7.4416E-22	-0.33651	hypo	sig	chr2_29919262
chr5	55222839	55222839	+	2.22E-23	7.4435E-22	0.322581	hyper	sig	chr5_55222839
chr2	98346509	98346509	+	2.22E-23	7.4454E-22	0.353918	hyper	sig	chr2_98346509
chr16	3305262	3305262	+	2.221E-23	7.447E-22	0.230267	hyper	sig	chr16_3305262
chr19	5250448	5250448	+	2.225E-23	7.4603E-22	-0.40486	hypo	sig	chr19_5250448
chr16	29255113	29255113	+	2.229E-23	7.4734E-22	-0.2644	hypo	sig	chr16_29255113
chr19	56368585	56368585	+	2.233E-23	7.4866E-22	0.296086	hyper	sig	chr19_56368585
chr5	79069824	79069824	+	2.235E-23	7.4921E-22	0.367413	hyper	sig	chr5_79069824
chr2	1.19E+08	118858029	+	2.244E-23	7.5218E-22	0.293098	hyper	sig	chr2_118858029
chr10	71712580	71712580	+	2.244E-23	7.5219E-22	-0.29328	hypo	sig	chr10_71712580
chr17	505245	505245	+	2.247E-23	7.5338E-22	-0.33647	hypo	sig	chr17_505245
chr11	1.29E+08	128876345	+	2.248E-23	7.5358E-22	-0.25275	hypo	sig	chr11_128876345

chr2	1.13E+08	113275796	+	2.25E-23	7.5405E-22	0.295782	hyper	sig	chr2_113275796
chr5	42953488	42953488	+	2.25E-23	7.5405E-22	0.318217	hyper	sig	chr5_42953488
chr3	1.38E+08	137771961	+	2.25E-23	7.5405E-22	0.20238	hyper	sig	chr3_137771961
chr11	34215101	34215101	+	2.251E-23	7.5456E-22	-0.29389	hypo	sig	chr11_34215101
chr7	43113829	43113829	+	2.258E-23	7.5688E-22	0.27742	hyper	sig	chr7_43113829
chr1	27347284	27347284	+	2.259E-23	7.5715E-22	-0.24753	hypo	sig	chr1_27347284
chr2	1234054	1234054	+	2.262E-23	7.5798E-22	-0.27849	hypo	sig	chr2_1234054
chr1	2.21E+08	220881228	+	2.263E-23	7.5837E-22	0.31725	hyper	sig	chr1_220881228
chr20	9515929	9515929	+	2.266E-23	7.5941E-22	0.304018	hyper	sig	chr20_9515929
chr2	2.07E+08	206642416	+	2.267E-23	7.5977E-22	0.273894	hyper	sig	chr2_206642416
chr7	73424349	73424349	+	2.267E-23	7.5977E-22	0.315072	hyper	sig	chr7_73424349
chr10	69417094	69417094	+	2.269E-23	7.6032E-22	0.335245	hyper	sig	chr10_69417094
chr11	8169075	8169075	+	2.27E-23	7.6062E-22	0.23535	hyper	sig	chr11_8169075
chr11	1.2E+08	120125046	+	2.272E-23	7.6121E-22	-0.26928	hypo	sig	chr11_120125046
chr7	1.55E+08	155467622	+	2.273E-23	7.6144E-22	0.339947	hyper	sig	chr7_155467622
chr8	88327984	88327984	+	2.274E-23	7.6173E-22	0.241211	hyper	sig	chr8_88327984
chr7	99580059	99580059	+	2.276E-23	7.6241E-22	0.364706	hyper	sig	chr7_99580059
chr12	1.17E+08	117359302	+	2.278E-23	7.6295E-22	0.309673	hyper	sig	chr12_117359302
chr19	3177380	3177380	+	2.278E-23	7.6295E-22	-0.28631	hypo	sig	chr19_3177380
chr22	44729786	44729786	+	2.281E-23	7.6401E-22	0.334982	hyper	sig	chr22_44729786
chr12	1.24E+08	123909278	+	2.283E-23	7.6459E-22	-0.29346	hypo	sig	chr12_123909278
chr13	94708026	94708026	+	2.283E-23	7.6459E-22	0.385961	hyper	sig	chr13_94708026
chr6	30987095	30987095	+	2.286E-23	7.6545E-22	-0.38451	hypo	sig	chr6_30987095
chr18	21243307	21243307	+	2.287E-23	7.6595E-22	0.271376	hyper	sig	chr18_21243307
chr6	27680567	27680567	+	2.29E-23	7.669E-22	0.289674	hyper	sig	chr6_27680567
chr16	86515289	86515289	+	2.291E-23	7.6707E-22	0.31468	hyper	sig	chr16_86515289
chr11	58963455	58963455	+	2.294E-23	7.6812E-22	0.316765	hyper	sig	chr11_58963455
chr6	37083446	37083446	+	2.296E-23	7.6879E-22	-0.30488	hypo	sig	chr6_37083446
chr11	1.21E+08	120721484	+	2.298E-23	7.6927E-22	-0.3035	hypo	sig	chr11_120721484
chr2	11777679	11777679	+	2.298E-23	7.6927E-22	-0.30626	hypo	sig	chr2_11777679
chr15	26774246	26774246	+	2.3E-23	7.7014E-22	0.266899	hyper	sig	chr15_26774246
chr2	2.41E+08	240565796	+	2.304E-23	7.7136E-22	-0.27328	hypo	sig	chr2_240565796
chr12	52007695	52007695	+	2.306E-23	7.7206E-22	0.23905	hyper	sig	chr12_52007695
chr2	2.39E+08	238948225	+	2.307E-23	7.7215E-22	-0.40336	hypo	sig	chr2_238948225
chr2	27308558	27308558	+	2.308E-23	7.7245E-22	0.358937	hyper	sig	chr2_27308558
chr5	1.69E+08	168529943	+	2.308E-23	7.7258E-22	0.318194	hyper	sig	chr5_168529943
chr2	1E+08	100321097	+	2.31E-23	7.733E-22	0.312288	hyper	sig	chr2_100321097
chr3	1.82E+08	181710881	+	2.313E-23	7.7415E-22	0.240797	hyper	sig	chr3_181710881
chr1	1.62E+08	161606000	+	2.313E-23	7.7417E-22	0.355562	hyper	sig	chr1_161606000
chr16	85329457	85329457	+	2.314E-23	7.7435E-22	-0.28498	hypo	sig	chr16_85329457
chr19	22634364	22634364	+	2.318E-23	7.7585E-22	0.266886	hyper	sig	chr19_22634364
chr6	1.66E+08	165661965	+	2.32E-23	7.7627E-22	0.290493	hyper	sig	chr6_165661965
chr10	1.01E+08	100659586	+	2.322E-23	7.7706E-22	0.319673	hyper	sig	chr10_100659586
chr11	8169064	8169064	+	2.328E-23	7.7902E-22	0.22276	hyper	sig	chr11_8169064
chr16	58464653	58464653	+	2.342E-23	7.8347E-22	0.224793	hyper	sig	chr16_58464653
chr11	69868044	69868044	+	2.344E-23	7.8409E-22	-0.24662	hypo	sig	chr11_69868044
chr13	1.12E+08	111893586	+	2.344E-23	7.8409E-22	0.355501	hyper	sig	chr13_111893586
chr6	30163743	30163743	+	2.344E-23	7.8428E-22	-0.30823	hypo	sig	chr6_30163743
chr16	23836337	23836337	+	2.346E-23	7.8468E-22	0.211672	hyper	sig	chr16_23836337
chr4	41751264	41751264	+	2.346E-23	7.847E-22	0.280038	hyper	sig	chr4_41751264
chr10	31606437	31606437	+	2.347E-23	7.849E-22	0.339104	hyper	sig	chr10_31606437
chr5	1.41E+08	141478531	+	2.347E-23	7.849E-22	0.336237	hyper	sig	chr5_141478531
chr5	63959431	63959431	+	2.348E-23	7.8528E-22	0.319271	hyper	sig	chr5_63959431
chr6	18123001	18123001	+	2.349E-23	7.8572E-22	-0.26058	hypo	sig	chr6_18123001
chr12	1.07E+08	106581369	+	2.35E-23	7.8584E-22	0.232341	hyper	sig	chr12_106581369
chr1	86156899	86156899	+	2.351E-23	7.8636E-22	0.215616	hyper	sig	chr1_86156899

chr6	28634792	28634792	+	2.353E-23	7.8691E-22	0.298033	hyper	sig	chr6_28634792
chr7	1.07E+08	107041250	+	2.355E-23	7.8739E-22	-0.32532	hypo	sig	chr7_107041250
chr10	49610865	49610865	+	2.356E-23	7.878E-22	0.313107	hyper	sig	chr10_49610865
chr2	66582127	66582127	+	2.356E-23	7.8789E-22	0.268849	hyper	sig	chr2_66582127
chr5	1.41E+08	141387801	+	2.357E-23	7.8801E-22	0.281969	hyper	sig	chr5_141387801
chr14	26596754	26596754	+	2.359E-23	7.887E-22	0.348002	hyper	sig	chr14_26596754
chr7	2209318	2209318	+	2.359E-23	7.8876E-22	0.21817	hyper	sig	chr7_2209318
chr19	5037063	5037063	+	2.366E-23	7.9093E-22	0.262679	hyper	sig	chr19_5037063
chr15	37106917	37106917	+	2.37E-23	7.922E-22	0.256829	hyper	sig	chr15_37106917
chr20	63521872	63521872	+	2.371E-23	7.9262E-22	0.396705	hyper	sig	chr20_63521872
chr5	1.78E+08	178422196	+	2.372E-23	7.9283E-22	-0.26903	hypo	sig	chr5_178422196
chr11	66420773	66420773	+	2.372E-23	7.9291E-22	0.466938	hyper	sig	chr11_66420773
chr10	75094391	75094391	+	2.377E-23	7.944E-22	-0.2957	hypo	sig	chr10_75094391
chr10	55628011	55628011	+	2.379E-23	7.9532E-22	0.365287	hyper	sig	chr10_55628011
chr21	44708987	44708987	+	2.38E-23	7.9558E-22	0.37426	hyper	sig	chr21_44708987
chr12	1.25E+08	124520388	+	2.383E-23	7.9656E-22	0.313899	hyper	sig	chr12_124520388
chr19	53521490	53521490	+	2.385E-23	7.972E-22	0.341384	hyper	sig	chr19_53521490
chr6	1.55E+08	155248038	+	2.387E-23	7.9767E-22	0.254619	hyper	sig	chr6_155248038
chr14	1.02E+08	101958519	+	2.39E-23	7.9878E-22	-0.33198	hypo	sig	chr14_101958519
chr14	1.01E+08	101232762	+	2.391E-23	7.9886E-22	0.26559	hyper	sig	chr14_101232762
chr19	40568111	40568111	+	2.395E-23	8.0013E-22	0.297391	hyper	sig	chr19_40568111
chr4	8394401	8394401	+	2.395E-23	8.0036E-22	0.28702	hyper	sig	chr4_8394401
chr7	43113998	43113998	+	2.395E-23	8.0036E-22	0.249235	hyper	sig	chr7_43113998
chr7	32318692	32318692	+	2.401E-23	8.0203E-22	0.392275	hyper	sig	chr7_32318692
chr4	1.54E+08	153793691	+	2.402E-23	8.0249E-22	-0.35215	hypo	sig	chr4_153793691
chr5	16180284	16180284	+	2.404E-23	8.0309E-22	0.354096	hyper	sig	chr5_16180284
chr9	1.1E+08	109640379	+	2.405E-23	8.0341E-22	0.230746	hyper	sig	chr9_109640379
chr19	4531710	4531710	+	2.406E-23	8.0358E-22	-0.24859	hypo	sig	chr19_4531710
chr1	2.1E+08	210252721	+	2.427E-23	8.1076E-22	-0.33501	hypo	sig	chr1_210252721
chr8	56320692	56320692	+	2.428E-23	8.1096E-22	-0.36545	hypo	sig	chr8_56320692
chr12	4809200	4809200	+	2.431E-23	8.1192E-22	0.350602	hyper	sig	chr12_4809200
chr1	3651096	3651096	+	2.433E-23	8.1242E-22	0.255449	hyper	sig	chr1_3651096
chr3	1.38E+08	137769749	+	2.435E-23	8.1306E-22	0.24775	hyper	sig	chr3_137769749
chr16	66579186	66579186	+	2.435E-23	8.1328E-22	0.267533	hyper	sig	chr16_66579186
chr22	39239218	39239218	+	2.439E-23	8.1443E-22	-0.2744	hypo	sig	chr22_39239218
chr5	1.69E+08	168529863	+	2.44E-23	8.1464E-22	0.29833	hyper	sig	chr5_168529863
chr1	24931291	24931291	+	2.441E-23	8.1524E-22	0.42979	hyper	sig	chr1_24931291
chr9	1.36E+08	135982158	+	2.442E-23	8.1551E-22	-0.29038	hypo	sig	chr9_135982158
chr15	79090319	79090319	+	2.443E-23	8.1563E-22	0.211052	hyper	sig	chr15_79090319
chr4	2301913	2301913	+	2.445E-23	8.1625E-22	0.335539	hyper	sig	chr4_2301913
chr16	6483794	6483794	+	2.446E-23	8.165E-22	0.271435	hyper	sig	chr16_6483794
chr14	68971543	68971543	+	2.447E-23	8.1692E-22	0.266634	hyper	sig	chr14_68971543
chr1	38578542	38578542	+	2.45E-23	8.1799E-22	0.20826	hyper	sig	chr1_38578542
chr10	26215363	26215363	+	2.452E-23	8.1857E-22	0.329298	hyper	sig	chr10_26215363
chr2	1.2E+08	120346542	+	2.458E-23	8.2058E-22	0.318573	hyper	sig	chr2_120346542
chr2	1.72E+08	172092855	+	2.459E-23	8.2071E-22	0.324524	hyper	sig	chr2_172092855
chr5	32713273	32713273	+	2.462E-23	8.2174E-22	0.336128	hyper	sig	chr5_32713273
chr9	88179567	88179567	+	2.463E-23	8.2207E-22	-0.29991	hypo	sig	chr9_88179567
chr19	48837174	48837174	+	2.464E-23	8.2237E-22	0.295056	hyper	sig	chr19_48837174
chr16	51156234	51156234	+	2.467E-23	8.2335E-22	0.305612	hyper	sig	chr16_51156234
chr16	4263459	4263459	+	2.467E-23	8.2338E-22	0.322289	hyper	sig	chr16_4263459
chr16	81645300	81645300	+	2.471E-23	8.2453E-22	0.248152	hyper	sig	chr16_81645300
chr6	1.68E+08	167797350	+	2.471E-23	8.2453E-22	-0.28267	hypo	sig	chr6_167797350
chr18	905155	905155	+	2.472E-23	8.2477E-22	0.323957	hyper	sig	chr18_905155
chr8	49911790	49911790	+	2.472E-23	8.2477E-22	0.318283	hyper	sig	chr8_49911790
chr19	4891195	4891195	+	2.473E-23	8.2516E-22	-0.25728	hypo	sig	chr19_4891195

chr19	11674369	11674369	+	2.477E-23	8.2626E-22	0.273327	hyper	sig	chr19_11674369
chr8	1.16E+08	115648499	+	2.477E-23	8.2636E-22	0.339222	hyper	sig	chr8_115648499
chr19	11193822	11193822	+	2.478E-23	8.2681E-22	0.288956	hyper	sig	chr19_11193822
chr6	32075899	32075899	+	2.481E-23	8.2762E-22	-0.28859	hypo	sig	chr6_32075899
chr1	1.44E+08	143661893	+	2.484E-23	8.2857E-22	0.293878	hyper	sig	chr1_143661893
chr7	27106456	27106456	+	2.487E-23	8.2966E-22	0.428753	hyper	sig	chr7_27106456
chr17	17793056	17793056	+	2.492E-23	8.3116E-22	0.270717	hyper	sig	chr17_17793056
chr3	62371279	62371279	+	2.492E-23	8.3133E-22	0.390374	hyper	sig	chr3_62371279
chr3	75655781	75655781	+	2.493E-23	8.3133E-22	0.38048	hyper	sig	chr3_75655781
chr5	3599534	3599534	+	2.496E-23	8.3236E-22	0.401699	hyper	sig	chr5_3599534
chr19	52397717	52397717	+	2.498E-23	8.3297E-22	0.253616	hyper	sig	chr19_52397717
chr16	86504673	86504673	+	2.498E-23	8.3309E-22	0.342352	hyper	sig	chr16_86504673
chr13	94707484	94707484	+	2.502E-23	8.3451E-22	0.25026	hyper	sig	chr13_94707484
chr22	24946909	24946909	+	2.504E-23	8.3499E-22	-0.35102	hypo	sig	chr22_24946909
chr13	1.1E+08	110306650	+	2.506E-23	8.3549E-22	0.374689	hyper	sig	chr13_110306650
chr2	9820528	9820528	+	2.506E-23	8.355E-22	-0.33619	hypo	sig	chr2_9820528
chr14	1.02E+08	101781878	+	2.508E-23	8.3622E-22	0.39726	hyper	sig	chr14_101781878
chr11	2271934	2271934	+	2.508E-23	8.3626E-22	0.283205	hyper	sig	chr11_2271934
chr15	41894894	41894894	+	2.512E-23	8.3752E-22	-0.21407	hypo	sig	chr15_41894894
chr19	1295710	1295710	+	2.513E-23	8.3778E-22	0.293851	hyper	sig	chr19_1295710
chr5	1.32E+08	132257466	+	2.513E-23	8.3778E-22	0.233674	hyper	sig	chr5_132257466
chr13	53202197	53202197	+	2.514E-23	8.379E-22	0.294962	hyper	sig	chr13_53202197
chr14	1.04E+08	104450884	+	2.514E-23	8.379E-22	0.283527	hyper	sig	chr14_104450884
chr16	10828321	10828321	+	2.515E-23	8.3822E-22	0.341371	hyper	sig	chr16_10828321
chr1	18637492	18637492	+	2.519E-23	8.3955E-22	0.297308	hyper	sig	chr1_18637492
chr1	2.28E+08	228371264	+	2.519E-23	8.3955E-22	-0.39696	hypo	sig	chr1_228371264
chr19	1444203	1444203	+	2.519E-23	8.3955E-22	-0.24356	hypo	sig	chr19_1444203
chr5	79069841	79069841	+	2.519E-23	8.3955E-22	0.362637	hyper	sig	chr5_79069841
chr2	5691094	5691094	+	2.522E-23	8.4053E-22	0.277159	hyper	sig	chr2_5691094
chr10	1.33E+08	133024481	+	2.525E-23	8.4141E-22	-0.34414	hypo	sig	chr10_133024481
chr11	1.09E+08	109423246	+	2.532E-23	8.4358E-22	0.243704	hyper	sig	chr11_109423246
chr4	41867313	41867313	+	2.533E-23	8.4417E-22	0.225584	hyper	sig	chr4_41867313
chr19	50637206	50637206	+	2.535E-23	8.4479E-22	-0.37504	hypo	sig	chr19_50637206
chr8	49909951	49909951	+	2.535E-23	8.4479E-22	0.235966	hyper	sig	chr8_49909951
chr4	1.72E+08	171813128	+	2.538E-23	8.4551E-22	0.235975	hyper	sig	chr4_171813128
chr1	36100317	36100317	+	2.538E-23	8.4555E-22	-0.30112	hypo	sig	chr1_36100317
chr14	1.04E+08	104450878	+	2.538E-23	8.4565E-22	0.287889	hyper	sig	chr14_104450878
chr8	1.16E+08	115648479	+	2.539E-23	8.4597E-22	0.319069	hyper	sig	chr8_115648479
chr2	2.28E+08	228181626	+	2.542E-23	8.4668E-22	0.318531	hyper	sig	chr2_228181626
chr14	1.04E+08	104203275	+	2.544E-23	8.4733E-22	-0.28347	hypo	sig	chr14_104203275
chr17	79803805	79803805	+	2.544E-23	8.4733E-22	0.281878	hyper	sig	chr17_79803805
chr2	2.32E+08	231927288	+	2.545E-23	8.4785E-22	0.227012	hyper	sig	chr2_231927288
chr17	77403843	77403843	+	2.546E-23	8.4794E-22	0.221285	hyper	sig	chr17_77403843
chr10	625557	625557	+	2.547E-23	8.4819E-22	0.285564	hyper	sig	chr10_625557
chr7	8443266	8443266	+	2.547E-23	8.4819E-22	0.429764	hyper	sig	chr7_8443266
chr20	40690721	40690721	+	2.552E-23	8.4975E-22	0.35075	hyper	sig	chr20_40690721
chr2	1.7E+08	169737274	+	2.554E-23	8.5053E-22	0.235304	hyper	sig	chr2_169737274
chr2	44955041	44955041	+	2.557E-23	8.5155E-22	0.245129	hyper	sig	chr2_44955041
chr7	99580219	99580219	+	2.562E-23	8.5304E-22	0.31955	hyper	sig	chr7_99580219
chr7	2729661	2729661	+	2.565E-23	8.542E-22	0.402723	hyper	sig	chr7_2729661
chr19	56671520	56671520	+	2.566E-23	8.543E-22	0.285011	hyper	sig	chr19_56671520
chr16	67014524	67014524	+	2.568E-23	8.5512E-22	0.239657	hyper	sig	chr16_67014524
chr5	3597259	3597259	+	2.571E-23	8.5598E-22	0.378393	hyper	sig	chr5_3597259
chr6	50706948	50706948	+	2.576E-23	8.5767E-22	0.334754	hyper	sig	chr6_50706948
chr10	55630034	55630034	+	2.578E-23	8.5802E-22	0.21422	hyper	sig	chr10_55630034
chr19	57947488	57947488	+	2.58E-23	8.5871E-22	0.263949	hyper	sig	chr19_57947488

chr2	29116182	29116182	+	2.581E-23	8.5903E-22	0.30381	hyper	sig	chr2_29116182
chr16	84851611	84851611	+	2.581E-23	8.5905E-22	-0.33981	hypo	sig	chr16_84851611
chr2	951454	951454	+	2.582E-23	8.592E-22	0.3206	hyper	sig	chr2_951454
chr7	35185754	35185754	+	2.582E-23	8.592E-22	0.226963	hyper	sig	chr7_35185754
chr2	2.34E+08	233936281	+	2.583E-23	8.5947E-22	-0.36378	hypo	sig	chr2_233936281
chr12	94834702	94834702	+	2.584E-23	8.599E-22	-0.28508	hypo	sig	chr12_94834702
chr16	85448831	85448831	+	2.588E-23	8.611E-22	-0.35079	hypo	sig	chr16_85448831
chr2	70907509	70907509	+	2.588E-23	8.6117E-22	0.247367	hyper	sig	chr2_70907509
chr10	1.03E+08	103276892	+	2.59E-23	8.6172E-22	0.224576	hyper	sig	chr10_103276892
chr6	44342618	44342618	+	2.595E-23	8.634E-22	0.205934	hyper	sig	chr6_44342618
chr10	1.33E+08	132892375	+	2.6E-23	8.65E-22	0.31035	hyper	sig	chr10_132892375
chr10	1.33E+08	133241463	+	2.6E-23	8.65E-22	-0.21117	hypo	sig	chr10_133241463
chr8	1.43E+08	143173438	+	2.6E-23	8.65E-22	-0.31862	hypo	sig	chr8_143173438
chr13	27923025	27923025	+	2.601E-23	8.6521E-22	0.629086	hyper	sig	chr13_27923025
chr16	64072475	64072475	+	2.603E-23	8.6591E-22	-0.36884	hypo	sig	chr16_64072475
chr4	1.74E+08	173524212	+	2.606E-23	8.667E-22	0.284395	hyper	sig	chr4_173524212
chr3	49422463	49422463	+	2.606E-23	8.6675E-22	0.265984	hyper	sig	chr3_49422463
chr2	1.83E+08	182867099	+	2.608E-23	8.6736E-22	0.27103	hyper	sig	chr2_182867099
chr13	29480303	29480303	+	2.61E-23	8.6795E-22	-0.34893	hypo	sig	chr13_29480303
chr16	54289047	54289047	+	2.611E-23	8.684E-22	0.286257	hyper	sig	chr16_54289047
chr7	920832	920832	+	2.612E-23	8.688E-22	-0.26277	hypo	sig	chr7_920832
chr12	3593258	3593258	+	2.622E-23	8.7175E-22	-0.26819	hypo	sig	chr12_3593258
chr7	97020964	97020964	+	2.622E-23	8.718E-22	0.340131	hyper	sig	chr7_97020964
chr5	1.41E+08	141410194	+	2.623E-23	8.723E-22	0.289885	hyper	sig	chr5_141410194
chr5	71719135	71719135	+	2.626E-23	8.7298E-22	0.403384	hyper	sig	chr5_71719135
chr11	1.23E+08	122981774	+	2.629E-23	8.7401E-22	0.27999	hyper	sig	chr11_122981774
chr4	1.84E+08	184170968	+	2.631E-23	8.7457E-22	-0.32017	hypo	sig	chr4_184170968
chr7	54542299	54542299	+	2.632E-23	8.7493E-22	0.329424	hyper	sig	chr7_54542299
chr5	1.6E+08	160280546	+	2.637E-23	8.7678E-22	-0.24581	hypo	sig	chr5_160280546
chr17	82882945	82882945	+	2.639E-23	8.7711E-22	-0.30332	hypo	sig	chr17_82882945
chr1	1.12E+08	111978578	+	2.639E-23	8.7727E-22	-0.3191	hypo	sig	chr1_111978578
chr11	32426519	32426519	+	2.639E-23	8.773E-22	0.386336	hyper	sig	chr11_32426519
chr15	37093737	37093737	+	2.64E-23	8.7741E-22	0.320905	hyper	sig	chr15_37093737
chr14	35402751	35402751	+	2.64E-23	8.7757E-22	0.266368	hyper	sig	chr14_35402751
chr1	2.47E+08	246788913	+	2.644E-23	8.7873E-22	0.291649	hyper	sig	chr1_246788913
chr19	49133358	49133358	+	2.646E-23	8.7921E-22	0.333105	hyper	sig	chr19_49133358
chr5	1.41E+08	141350041	+	2.649E-23	8.8047E-22	0.2617	hyper	sig	chr5_141350041
chr4	4861673	4861673	+	2.65E-23	8.8055E-22	0.299069	hyper	sig	chr4_4861673
chr2	2.19E+08	218961810	+	2.652E-23	8.8117E-22	0.360944	hyper	sig	chr2_218961810
chr7	1.52E+08	151796652	+	2.655E-23	8.8216E-22	-0.37836	hypo	sig	chr7_151796652
chr16	86906772	86906772	+	2.661E-23	8.841E-22	0.377301	hyper	sig	chr16_86906772
chr13	1.12E+08	111630176	+	2.665E-23	8.8547E-22	0.331135	hyper	sig	chr13_111630176
chr1	3206820	3206820	+	2.67E-23	8.8697E-22	-0.29249	hypo	sig	chr1_3206820
chr5	59893964	59893964	+	2.671E-23	8.8733E-22	0.256987	hyper	sig	chr5_59893964
chr11	65856071	65856071	+	2.672E-23	8.8757E-22	-0.27778	hypo	sig	chr11_65856071
chr16	7304684	7304684	+	2.672E-23	8.8757E-22	0.334053	hyper	sig	chr16_7304684
chr1	2888270	2888270	+	2.679E-23	8.8999E-22	-0.37161	hypo	sig	chr1_2888270
chr6	6549563	6549563	+	2.682E-23	8.909E-22	-0.26764	hypo	sig	chr6_6549563
chr7	1.58E+08	157692538	+	2.682E-23	8.9095E-22	0.330133	hyper	sig	chr7_157692538
chr11	1.18E+08	117878709	+	2.685E-23	8.9163E-22	-0.29107	hypo	sig	chr11_117878709
chr7	28410298	28410298	+	2.69E-23	8.9326E-22	0.274729	hyper	sig	chr7_28410298
chr7	54665530	54665530	+	2.691E-23	8.9367E-22	-0.29084	hypo	sig	chr7_54665530
chr7	48925705	48925705	+	2.699E-23	8.9625E-22	-0.28691	hypo	sig	chr7_48925705
chr8	1.42E+08	142335428	+	2.699E-23	8.9637E-22	-0.34513	hypo	sig	chr8_142335428
chr7	22504392	22504392	+	2.704E-23	8.9772E-22	-0.37328	hypo	sig	chr7_22504392
chr11	2376256	2376256	+	2.705E-23	8.9806E-22	-0.26807	hypo	sig	chr11_2376256

chr4	15787686	15787686	+	2.711E-23	9.0002E-22	-0.28477	hypo	sig	chr4_15787686
chr4	1.25E+08	125317197	+	2.711E-23	9.0009E-22	0.275252	hyper	sig	chr4_125317197
chr19	56507494	56507494	+	2.711E-23	9.0009E-22	0.295294	hyper	sig	chr19_56507494
chr19	52397837	52397837	+	2.719E-23	9.0278E-22	0.239957	hyper	sig	chr19_52397837
chr9	1.14E+08	113609837	+	2.726E-23	9.0481E-22	0.274017	hyper	sig	chr9_113609837
chr8	96493952	96493952	+	2.727E-23	9.0533E-22	0.227622	hyper	sig	chr8_96493952
chr11	2869495	2869495	+	2.73E-23	9.0603E-22	0.286276	hyper	sig	chr11_2869495
chr16	20352962	20352962	+	2.73E-23	9.0609E-22	-0.33059	hypo	sig	chr16_20352962
chr13	78596906	78596906	+	2.738E-23	9.0871E-22	0.268222	hyper	sig	chr13_78596906
chr2	9820693	9820693	+	2.738E-23	9.0871E-22	-0.28039	hypo	sig	chr2_9820693
chr1	27403595	27403595	+	2.74E-23	9.0944E-22	0.348204	hyper	sig	chr1_27403595
chr7	64942707	64942707	+	2.741E-23	9.0951E-22	0.30671	hyper	sig	chr7_64942707
chr8	72251643	72251643	+	2.747E-23	9.1149E-22	0.268509	hyper	sig	chr8_72251643
chr16	31529761	31529761	+	2.749E-23	9.1221E-22	0.317319	hyper	sig	chr16_31529761
chr6	1.46E+08	146027847	+	2.753E-23	9.1348E-22	0.351746	hyper	sig	chr6_146027847
chr12	1.24E+08	124387597	+	2.755E-23	9.1421E-22	0.350996	hyper	sig	chr12_124387597
chr16	85449245	85449245	+	2.755E-23	9.1421E-22	-0.28199	hypo	sig	chr16_85449245
chr6	32058093	32058093	+	2.756E-23	9.1432E-22	-0.29883	hypo	sig	chr6_32058093
chr6	1594040	1594040	+	2.758E-23	9.1498E-22	-0.35855	hypo	sig	chr6_1594040
chr11	32434189	32434189	+	2.76E-23	9.1576E-22	0.272738	hyper	sig	chr11_32434189
chr5	1.41E+08	141355804	+	2.761E-23	9.16E-22	0.296764	hyper	sig	chr5_141355804
chr7	194844	194844	+	2.767E-23	9.1784E-22	0.30449	hyper	sig	chr7_194844
chr19	53058247	53058247	+	2.768E-23	9.1832E-22	0.398106	hyper	sig	chr19_53058247
chr14	47675051	47675051	+	2.769E-23	9.1835E-22	0.386342	hyper	sig	chr14_47675051
chr16	56194530	56194530	+	2.77E-23	9.1865E-22	0.213267	hyper	sig	chr16_56194530
chr3	1.43E+08	143121320	+	2.771E-23	9.1917E-22	0.316961	hyper	sig	chr3_143121320
chr1	1.47E+08	147073285	+	2.78E-23	9.2189E-22	0.272965	hyper	sig	chr1_147073285
chr7	97024305	97024305	+	2.78E-23	9.2195E-22	0.39441	hyper	sig	chr7_97024305
chr1	1.67E+08	166886631	+	2.785E-23	9.2362E-22	0.257087	hyper	sig	chr1_166886631
chr13	1.08E+08	107867904	+	2.789E-23	9.2495E-22	0.241493	hyper	sig	chr13_107867904
chr16	66579247	66579247	+	2.793E-23	9.2624E-22	0.241704	hyper	sig	chr16_66579247
chr12	1.32E+08	132207311	+	2.794E-23	9.2661E-22	-0.30871	hypo	sig	chr12_132207311
chr14	99792713	99792713	+	2.797E-23	9.2758E-22	0.285912	hyper	sig	chr14_99792713
chr5	5303244	5303244	+	2.8E-23	9.2847E-22	-0.29846	hypo	sig	chr5_5303244
chr5	1.29E+08	128965795	+	2.804E-23	9.2961E-22	0.361646	hyper	sig	chr5_128965795
chr20	25053642	25053642	+	2.806E-23	9.303E-22	0.306201	hyper	sig	chr20_25053642
chr1	1.65E+08	164576304	+	2.806E-23	9.3032E-22	0.423451	hyper	sig	chr1_164576304
chr1	2.26E+08	225880161	+	2.808E-23	9.3098E-22	-0.2556	hypo	sig	chr1_225880161
chr1	50425624	50425624	+	2.809E-23	9.3106E-22	0.325678	hyper	sig	chr1_50425624
chr22	44172604	44172604	+	2.811E-23	9.3189E-22	-0.33663	hypo	sig	chr22_44172604
chr4	1.33E+08	133148382	+	2.811E-23	9.3189E-22	0.296238	hyper	sig	chr4_133148382
chr6	62285953	62285953	+	2.811E-23	9.3189E-22	0.402722	hyper	sig	chr6_62285953
chr6	27312289	27312289	+	2.814E-23	9.3278E-22	0.212573	hyper	sig	chr6_27312289
chr12	72274005	72274005	+	2.82E-23	9.3471E-22	0.3397	hyper	sig	chr12_72274005
chr4	1.09E+08	109302490	+	2.828E-23	9.3713E-22	0.232447	hyper	sig	chr4_109302490
chr19	18007857	18007857	+	2.829E-23	9.3763E-22	0.266804	hyper	sig	chr19_18007857
chr12	1.14E+08	114404903	+	2.831E-23	9.3821E-22	0.326331	hyper	sig	chr12_114404903
chr5	1.41E+08	141398862	+	2.835E-23	9.3941E-22	0.282276	hyper	sig	chr5_141398862
chr8	1.42E+08	142464410	+	2.835E-23	9.3942E-22	0.302566	hyper	sig	chr8_142464410
chr3	26622817	26622817	+	2.839E-23	9.4069E-22	0.35034	hyper	sig	chr3_26622817
chr7	5895314	5895314	+	2.845E-23	9.4261E-22	-0.40362	hypo	sig	chr7_5895314
chr10	1.29E+08	128540243	+	2.847E-23	9.4316E-22	-0.28748	hypo	sig	chr10_128540243
chr7	79454491	79454491	+	2.847E-23	9.4316E-22	0.385347	hyper	sig	chr7_79454491
chr6	33194809	33194809	+	2.848E-23	9.4341E-22	0.299369	hyper	sig	chr6_33194809
chr12	6778335	6778335	+	2.849E-23	9.4369E-22	0.322368	hyper	sig	chr12_6778335
chr6	27495510	27495510	+	2.851E-23	9.444E-22	0.226678	hyper	sig	chr6_27495510

chr11	1837280	1837280	+	2.853E-23	9.4493E-22	-0.3575	hypo	sig	chr11_1837280
chr17	42784749	42784749	+	2.855E-23	9.4553E-22	0.293756	hyper	sig	chr17_42784749
chr1	12143533	12143533	+	2.855E-23	9.4568E-22	-0.30857	hypo	sig	chr1_12143533
chr16	62036333	62036333	+	2.858E-23	9.4646E-22	0.302458	hyper	sig	chr16_62036333
chr16	7303502	7303502	+	2.861E-23	9.474E-22	0.323997	hyper	sig	chr16_7303502
chr22	19524511	19524511	+	2.861E-23	9.4762E-22	0.262245	hyper	sig	chr22_19524511
chr1	86156925	86156925	+	2.864E-23	9.4854E-22	0.221709	hyper	sig	chr1_86156925
chr17	1187154	1187154	+	2.866E-23	9.4891E-22	0.290898	hyper	sig	chr17_1187154
chr6	27680833	27680833	+	2.866E-23	9.4891E-22	0.318953	hyper	sig	chr6_27680833
chr7	1.59E+08	159144034	+	2.866E-23	9.4891E-22	0.318781	hyper	sig	chr7_159144034
chr11	19346076	19346076	+	2.867E-23	9.4934E-22	0.291609	hyper	sig	chr11_19346076
chr1	24931059	24931059	+	2.88E-23	9.535E-22	0.331946	hyper	sig	chr1_24931059
chr12	1.32E+08	132426354	+	2.882E-23	9.5407E-22	-0.33708	hypo	sig	chr12_132426354
chr1	2.28E+08	228212516	+	2.883E-23	9.5441E-22	0.423572	hyper	sig	chr1_228212516
chr3	1.92E+08	192408327	+	2.885E-23	9.55E-22	0.28747	hyper	sig	chr3_192408327
chr6	33080646	33080646	+	2.885E-23	9.5505E-22	0.454184	hyper	sig	chr6_33080646
chr4	1.57E+08	157222637	+	2.887E-23	9.5549E-22	0.338996	hyper	sig	chr4_157222637
chr7	23471809	23471809	+	2.887E-23	9.5549E-22	-0.28081	hypo	sig	chr7_23471809
chr5	77638848	77638848	+	2.896E-23	9.5854E-22	0.328571	hyper	sig	chr5_77638848
chr8	27659064	27659064	+	2.897E-23	9.5883E-22	-0.2884	hypo	sig	chr8_27659064
chr11	393595	393595	+	2.906E-23	9.6162E-22	-0.3104	hypo	sig	chr11_393595
chr10	1.18E+08	117735014	+	2.906E-23	9.6163E-22	0.25265	hyper	sig	chr10_117735014
chr14	36663392	36663392	+	2.906E-23	9.6163E-22	0.288306	hyper	sig	chr14_36663392
chr15	82680970	82680970	+	2.906E-23	9.6163E-22	0.27678	hyper	sig	chr15_82680970
chr4	95549796	95549796	+	2.906E-23	9.6163E-22	0.231009	hyper	sig	chr4_95549796
chr1	2.48E+08	247937043	+	2.907E-23	9.6166E-22	0.252569	hyper	sig	chr1_247937043
chr10	3330745	3330745	+	2.909E-23	9.6241E-22	-0.30162	hypo	sig	chr10_3330745
chr11	2904243	2904243	+	2.921E-23	9.6623E-22	-0.33724	hypo	sig	chr11_2904243
chr8	23573276	23573276	+	2.927E-23	9.6841E-22	0.299823	hyper	sig	chr8_23573276
chr7	73424359	73424359	+	2.928E-23	9.6867E-22	0.314637	hyper	sig	chr7_73424359
chr19	50728575	50728575	+	2.93E-23	9.6918E-22	0.442057	hyper	sig	chr19_50728575
chr19	34482364	34482364	+	2.931E-23	9.695E-22	0.260152	hyper	sig	chr19_34482364
chr20	59934229	59934229	+	2.933E-23	9.7017E-22	0.222439	hyper	sig	chr20_59934229
chr13	36674211	36674211	+	2.935E-23	9.7063E-22	0.201387	hyper	sig	chr13_36674211
chr2	1.2E+08	119523956	+	2.935E-23	9.7063E-22	0.358317	hyper	sig	chr2_119523956
chr2	29064842	29064842	+	2.945E-23	9.7399E-22	-0.34301	hypo	sig	chr2_29064842
chr17	35752646	35752646	+	2.946E-23	9.7408E-22	-0.27988	hypo	sig	chr17_35752646
chr5	6411295	6411295	+	2.948E-23	9.7471E-22	-0.27026	hypo	sig	chr5_6411295
chr1	2.28E+08	228464435	+	2.949E-23	9.7494E-22	0.285228	hyper	sig	chr1_228464435
chr2	1.19E+08	118856906	+	2.948E-23	9.7494E-22	0.26396	hyper	sig	chr2_118856906
chr1	1.22E+08	121519663	+	2.95E-23	9.7529E-22	0.253275	hyper	sig	chr1_121519663
chr10	80432	80432	+	2.952E-23	9.7615E-22	-0.32744	hypo	sig	chr10_80432
chr8	38150973	38150973	+	2.955E-23	9.7684E-22	0.223075	hyper	sig	chr8_38150973
chr4	52862832	52862832	+	2.955E-23	9.7688E-22	0.298337	hyper	sig	chr4_52862832
chr12	46831766	46831766	+	2.957E-23	9.7747E-22	0.294328	hyper	sig	chr12_46831766
chr19	7879980	7879980	+	2.959E-23	9.7816E-22	-0.25982	hypo	sig	chr19_7879980
chr16	70662575	70662575	+	2.963E-23	9.7946E-22	0.348743	hyper	sig	chr16_70662575
chr1	2E+08	200035653	+	2.965E-23	9.8008E-22	0.258893	hyper	sig	chr1_200035653
chr13	94712391	94712391	+	2.968E-23	9.809E-22	0.276861	hyper	sig	chr13_94712391
chr2	2.32E+08	231927131	+	2.97E-23	9.8154E-22	0.248727	hyper	sig	chr2_231927131
chr3	1.38E+08	137761856	+	2.971E-23	9.8179E-22	0.347624	hyper	sig	chr3_137761856
chr3	1.47E+08	147396519	+	2.973E-23	9.8264E-22	0.384764	hyper	sig	chr3_147396519
chr17	50469277	50469277	+	2.974E-23	9.8278E-22	0.276111	hyper	sig	chr17_50469277
chr17	48726905	48726905	+	2.974E-23	9.8291E-22	0.267206	hyper	sig	chr17_48726905
chr19	49142999	49142999	+	2.975E-23	9.8303E-22	0.220529	hyper	sig	chr19_49142999
chr7	45575902	45575902	+	2.975E-23	9.8303E-22	0.276519	hyper	sig	chr7_45575902

chr14	60485496	60485496	+	2.984E-23	9.8591E-22	0.292759	hyper	sig	chr14_60485496
chr18	9707911	9707911	+	2.985E-23	9.8611E-22	0.265252	hyper	sig	chr18_9707911
chr1	2.44E+08	243917784	+	2.987E-23	9.8682E-22	0.255616	hyper	sig	chr1_243917784
chr2	23524139	23524139	+	2.99E-23	9.8778E-22	0.330937	hyper	sig	chr2_23524139
chr12	1.04E+08	104050123	+	2.994E-23	9.8908E-22	0.20206	hyper	sig	chr12_104050123
chr5	79069839	79069839	+	2.997E-23	9.9005E-22	0.354461	hyper	sig	chr5_79069839
chr2	11610030	11610030	+	2.998E-23	9.9027E-22	-0.33705	hypo	sig	chr2_11610030
chr10	1.33E+08	132892379	+	2.999E-23	9.9067E-22	0.318397	hyper	sig	chr10_132892379
chr13	78596820	78596820	+	2.999E-23	9.9067E-22	0.295156	hyper	sig	chr13_78596820
chr1	3203738	3203738	+	3.001E-23	9.9113E-22	-0.34342	hypo	sig	chr1_3203738
chr3	75671048	75671048	+	3.001E-23	9.9119E-22	0.311301	hyper	sig	chr3_75671048
chr11	1.29E+08	128824506	+	3.004E-23	9.92E-22	0.395126	hyper	sig	chr11_128824506
chr1	1.65E+08	165355161	+	3.006E-23	9.9268E-22	0.318349	hyper	sig	chr1_165355161
chr8	1.09E+08	108787347	+	3.019E-23	9.9691E-22	0.214578	hyper	sig	chr8_108787347
chr13	25046869	25046869	+	3.021E-23	9.9751E-22	0.311348	hyper	sig	chr13_25046869
chr16	31011051	31011051	+	3.022E-23	9.9773E-22	0.244356	hyper	sig	chr16_31011051
chr15	39796865	39796865	+	3.024E-23	9.984E-22	-0.35929	hypo	sig	chr15_39796865
chr3	1.71E+08	170585428	+	3.027E-23	9.9949E-22	0.332031	hyper	sig	chr3_170585428
chr1	2.43E+08	242519840	+	3.034E-23	1.0019E-21	-0.32168	hypo	sig	chr1_242519840
chr22	36703071	36703071	+	3.044E-23	1.0048E-21	0.324928	hyper	sig	chr22_36703071
chr12	4909998	4909998	+	3.046E-23	1.0056E-21	0.360174	hyper	sig	chr12_4909998
chr17	82247500	82247500	+	3.048E-23	1.0061E-21	0.263215	hyper	sig	chr17_82247500
chr19	36418920	36418920	+	3.05E-23	1.0068E-21	0.264836	hyper	sig	chr19_36418920
chr13	70108117	70108117	+	3.054E-23	1.0081E-21	0.435212	hyper	sig	chr13_70108117
chr7	1.56E+08	156104763	+	3.06E-23	1.01E-21	-0.34483	hypo	sig	chr7_156104763
chr20	49507645	49507645	+	3.063E-23	1.0109E-21	-0.36325	hypo	sig	chr20_49507645
chr11	27699541	27699541	+	3.065E-23	1.0116E-21	0.208922	hyper	sig	chr11_27699541
chr2	86789104	86789104	+	3.065E-23	1.0117E-21	0.27909	hyper	sig	chr2_86789104
chr20	61897009	61897009	+	3.068E-23	1.0127E-21	-0.33916	hypo	sig	chr20_61897009
chr11	32439110	32439110	+	3.069E-23	1.0129E-21	0.252327	hyper	sig	chr11_32439110
chr1	33363343	33363343	+	3.071E-23	1.0135E-21	0.254934	hyper	sig	chr1_33363343
chr7	1.32E+08	131538655	+	3.072E-23	1.0137E-21	-0.4091	hypo	sig	chr7_131538655
chr13	94707444	94707444	+	3.073E-23	1.0139E-21	0.251018	hyper	sig	chr13_94707444
chr2	2.42E+08	241985753	+	3.073E-23	1.0139E-21	-0.39216	hypo	sig	chr2_241985753
chr5	3602165	3602165	+	3.074E-23	1.0143E-21	0.290459	hyper	sig	chr5_3602165
chr5	1.5E+08	150167371	+	3.077E-23	1.0152E-21	-0.32076	hypo	sig	chr5_150167371
chr3	1.23E+08	123447943	+	3.084E-23	1.0175E-21	0.375944	hyper	sig	chr3_123447943
chr1	12063432	12063432	+	3.091E-23	1.0198E-21	0.229506	hyper	sig	chr1_12063432
chr16	85753465	85753465	+	3.095E-23	1.0209E-21	0.323423	hyper	sig	chr16_85753465
chr2	1743341	1743341	+	3.099E-23	1.0223E-21	0.300927	hyper	sig	chr2_1743341
chr22	18111426	18111426	+	3.099E-23	1.0223E-21	0.434912	hyper	sig	chr22_18111426
chr19	15458083	15458083	+	3.102E-23	1.0232E-21	0.440885	hyper	sig	chr19_15458083
chr1	1.77E+08	177171458	+	3.106E-23	1.0243E-21	0.323986	hyper	sig	chr1_177171458
chr10	1.32E+08	132487353	+	3.106E-23	1.0243E-21	-0.28386	hypo	sig	chr10_132487353
chr3	1.2E+08	120451578	+	3.107E-23	1.0245E-21	0.291775	hyper	sig	chr3_120451578
chr6	1E+08	100458777	+	3.108E-23	1.0248E-21	0.342363	hyper	sig	chr6_100458777
chr13	42562756	42562756	+	3.112E-23	1.026E-21	-0.26163	hypo	sig	chr13_42562756
chr1	75130234	75130234	+	3.112E-23	1.026E-21	0.292491	hyper	sig	chr1_75130234
chr1	24931273	24931273	+	3.113E-23	1.0264E-21	0.415002	hyper	sig	chr1_24931273
chr21	25640003	25640003	+	3.115E-23	1.0269E-21	0.202934	hyper	sig	chr21_25640003
chr2	2.17E+08	216694739	+	3.116E-23	1.0271E-21	0.284867	hyper	sig	chr2_216694739
chr2	1.61E+08	161416827	+	3.116E-23	1.0273E-21	0.295799	hyper	sig	chr2_161416827
chr11	61534714	61534714	+	3.117E-23	1.0274E-21	-0.31026	hypo	sig	chr11_61534714
chr8	1931473	1931473	+	3.12E-23	1.0284E-21	-0.27135	hypo	sig	chr8_1931473
chr2	2.19E+08	219497194	+	3.121E-23	1.0288E-21	0.240579	hyper	sig	chr2_219497194
chr1	2270622	2270622	+	3.124E-23	1.0297E-21	0.344192	hyper	sig	chr1_2270622

chr6	1E+08	100447313	+	3.124E-23	1.0297E-21	0.286355	hyper	sig	chr6_100447313
chr6	30163761	30163761	+	3.125E-23	1.0301E-21	-0.29638	hypo	sig	chr6_30163761
chr17	887358	887358	+	3.127E-23	1.0305E-21	0.311986	hyper	sig	chr17_887358
chr6	28259301	28259301	+	3.127E-23	1.0306E-21	0.332134	hyper	sig	chr6_28259301
chr14	73745095	73745095	+	3.128E-23	1.0309E-21	-0.28394	hypo	sig	chr14_73745095
chr6	27582968	27582968	+	3.13E-23	1.0316E-21	0.286807	hyper	sig	chr6_27582968
chr2	2.38E+08	238439787	+	3.137E-23	1.0336E-21	-0.30266	hypo	sig	chr2_238439787
chr4	89306759	89306759	+	3.141E-23	1.0351E-21	-0.31047	hypo	sig	chr4_89306759
chr17	30235202	30235202	+	3.144E-23	1.0359E-21	0.282981	hyper	sig	chr17_30235202
chr1	3078942	3078942	+	3.145E-23	1.0361E-21	-0.30408	hypo	sig	chr1_3078942
chr2	1484403	1484403	+	3.146E-23	1.0365E-21	-0.27695	hypo	sig	chr2_1484403
chr13	99972671	99972671	+	3.149E-23	1.0375E-21	0.249185	hyper	sig	chr13_99972671
chr12	89349504	89349504	+	3.15E-23	1.0377E-21	-0.25199	hypo	sig	chr12_89349504
chr16	23836356	23836356	+	3.15E-23	1.0378E-21	0.213655	hyper	sig	chr16_23836356
chr10	1.01E+08	101228653	+	3.152E-23	1.0382E-21	0.243908	hyper	sig	chr10_101228653
chr2	63056931	63056931	+	3.158E-23	1.0401E-21	0.246263	hyper	sig	chr2_63056931
chr14	72917560	72917560	+	3.158E-23	1.0402E-21	0.298908	hyper	sig	chr14_72917560
chr19	45932411	45932411	+	3.162E-23	1.0414E-21	-0.27698	hypo	sig	chr19_45932411
chr1	3140155	3140155	+	3.172E-23	1.0448E-21	0.29873	hyper	sig	chr1_3140155
chr6	39793097	39793097	+	3.173E-23	1.0451E-21	0.335704	hyper	sig	chr6_39793097
chr3	1.47E+08	147423040	+	3.183E-23	1.0483E-21	0.299205	hyper	sig	chr3_147423040
chr2	2.22E+08	222295497	+	3.184E-23	1.0485E-21	0.29808	hyper	sig	chr2_222295497
chr16	31373533	31373533	+	3.187E-23	1.0493E-21	-0.31023	hypo	sig	chr16_31373533
chr2	2.02E+08	201619254	+	3.187E-23	1.0494E-21	0.296893	hyper	sig	chr2_201619254
chr11	55872784	55872784	+	3.19E-23	1.0504E-21	0.333069	hyper	sig	chr11_55872784
chr16	66948679	66948679	+	3.194E-23	1.0516E-21	0.237808	hyper	sig	chr16_66948679
chr7	1672460	1672460	+	3.194E-23	1.0516E-21	-0.25267	hypo	sig	chr7_1672460
chr8	10426257	10426257	+	3.196E-23	1.0522E-21	0.332442	hyper	sig	chr8_10426257
chr1	24931293	24931293	+	3.198E-23	1.0529E-21	0.421023	hyper	sig	chr1_24931293
chr7	56116192	56116192	+	3.199E-23	1.053E-21	0.229244	hyper	sig	chr7_56116192
chr4	1.09E+08	109302557	+	3.199E-23	1.053E-21	0.260827	hyper	sig	chr4_109302557
chr13	24764081	24764081	+	3.202E-23	1.0538E-21	-0.37734	hypo	sig	chr13_24764081
chr8	11347152	11347152	+	3.203E-23	1.0541E-21	0.305526	hyper	sig	chr8_11347152
chr13	1.12E+08	111974330	+	3.205E-23	1.0548E-21	0.388738	hyper	sig	chr13_111974330
chr6	1.67E+08	166870892	+	3.212E-23	1.0571E-21	-0.27529	hypo	sig	chr6_166870892
chr4	17781744	17781744	+	3.219E-23	1.0591E-21	0.250215	hyper	sig	chr4_17781744
chr8	88326829	88326829	+	3.224E-23	1.061E-21	0.271677	hyper	sig	chr8_88326829
chr1	37475627	37475627	+	3.226E-23	1.0615E-21	-0.3583	hypo	sig	chr1_37475627
chr6	30260376	30260376	+	3.226E-23	1.0615E-21	0.274231	hyper	sig	chr6_30260376
chr7	1.54E+08	154053408	+	3.227E-23	1.0619E-21	0.317178	hyper	sig	chr7_154053408
chr15	52785883	52785883	+	3.233E-23	1.0635E-21	0.2388	hyper	sig	chr15_52785883
chr7	91267312	91267312	+	3.238E-23	1.0652E-21	0.354323	hyper	sig	chr7_91267312
chr4	4858122	4858122	+	3.242E-23	1.0666E-21	0.367547	hyper	sig	chr4_4858122
chr4	7985603	7985603	+	3.242E-23	1.0666E-21	-0.27654	hypo	sig	chr4_7985603
chr14	1.04E+08	103712816	+	3.243E-23	1.0668E-21	0.256939	hyper	sig	chr14_103712816
chr12	53938236	53938236	+	3.249E-23	1.0688E-21	0.315445	hyper	sig	chr12_53938236
chr1	1.61E+08	161079685	+	3.251E-23	1.0693E-21	0.340188	hyper	sig	chr1_161079685
chr5	1.46E+08	146338910	+	3.252E-23	1.0695E-21	0.260427	hyper	sig	chr5_146338910
chr8	11347141	11347141	+	3.256E-23	1.071E-21	0.301448	hyper	sig	chr8_11347141
chr11	71589708	71589708	+	3.259E-23	1.0717E-21	-0.35328	hypo	sig	chr11_71589708
chr8	1.45E+08	144700029	+	3.264E-23	1.0734E-21	0.232782	hyper	sig	chr8_144700029
chr5	1.73E+08	173236781	+	3.264E-23	1.0734E-21	0.264316	hyper	sig	chr5_173236781
chr16	991216	991216	+	3.267E-23	1.0743E-21	-0.29824	hypo	sig	chr16_991216
chr8	1.43E+08	143155076	+	3.267E-23	1.0743E-21	-0.32232	hypo	sig	chr8_143155076
chr7	28408435	28408435	+	3.271E-23	1.0756E-21	0.379684	hyper	sig	chr7_28408435
chr5	2747894	2747894	+	3.28E-23	1.0784E-21	0.293262	hyper	sig	chr5_2747894

chr13	57631897	57631897	+	3.283E-23	1.0794E-21	0.335728	hyper	sig	chr13_57631897
chr12	1.31E+08	131217046	+	3.284E-23	1.0798E-21	0.29355	hyper	sig	chr12_131217046
chr2	44933996	44933996	+	3.289E-23	1.0813E-21	0.326678	hyper	sig	chr2_44933996
chr5	1.32E+08	132257281	+	3.291E-23	1.0818E-21	0.347562	hyper	sig	chr5_132257281
chr5	2757974	2757974	+	3.293E-23	1.0824E-21	0.280223	hyper	sig	chr5_2757974
chr2	2.19E+08	219497174	+	3.297E-23	1.0837E-21	0.263883	hyper	sig	chr2_219497174
chr2	1.39E+08	138780171	+	3.298E-23	1.0841E-21	0.293452	hyper	sig	chr2_138780171
chr3	37765943	37765943	+	3.3E-23	1.0846E-21	0.27334	hyper	sig	chr3_37765943
chr5	1.41E+08	141420985	+	3.301E-23	1.0848E-21	0.23463	hyper	sig	chr5_141420985
chr17	28384797	28384797	+	3.303E-23	1.0856E-21	-0.35248	hypo	sig	chr17_28384797
chr13	1.12E+08	112055214	+	3.304E-23	1.0857E-21	0.304429	hyper	sig	chr13_112055214
chr20	21517656	21517656	+	3.306E-23	1.0866E-21	0.365848	hyper	sig	chr20_21517656
chr14	60510645	60510645	+	3.309E-23	1.0874E-21	0.258999	hyper	sig	chr14_60510645
chr2	1.75E+08	174730191	+	3.324E-23	1.0923E-21	0.225014	hyper	sig	chr2_174730191
chr8	13566821	13566821	+	3.326E-23	1.0929E-21	0.276424	hyper	sig	chr8_13566821
chr2	8574317	8574317	+	3.327E-23	1.0931E-21	-0.30706	hypo	sig	chr2_8574317
chr7	1807899	1807899	+	3.328E-23	1.0936E-21	-0.29342	hypo	sig	chr7_1807899
chr20	17228057	17228057	+	3.333E-23	1.0949E-21	0.336845	hyper	sig	chr20_17228057
chr2	2.23E+08	223052859	+	3.333E-23	1.095E-21	0.366186	hyper	sig	chr2_223052859
chr11	1.11E+08	111284179	+	3.334E-23	1.0952E-21	-0.29155	hypo	sig	chr11_111284179
chr4	386125	386125	+	3.337E-23	1.0963E-21	0.396327	hyper	sig	chr4_386125
chr7	1538067	1538067	+	3.337E-23	1.0963E-21	0.30532	hyper	sig	chr7_1538067
chr8	70070844	70070844	+	3.341E-23	1.0975E-21	0.238893	hyper	sig	chr8_70070844
chr2	2.39E+08	239247460	+	3.347E-23	1.0994E-21	-0.31173	hypo	sig	chr2_239247460
chr12	48003901	48003901	+	3.348E-23	1.0996E-21	0.23261	hyper	sig	chr12_48003901
chr13	94708058	94708058	+	3.348E-23	1.0996E-21	0.335597	hyper	sig	chr13_94708058
chr9	1.19E+08	119369805	+	3.349E-23	1.0999E-21	0.277317	hyper	sig	chr9_119369805
chr13	36345869	36345869	+	3.35E-23	1.0999E-21	0.421951	hyper	sig	chr13_36345869
chr1	2.34E+08	234216900	+	3.351E-23	1.1004E-21	-0.246	hypo	sig	chr1_234216900
chr6	36548075	36548075	+	3.352E-23	1.1008E-21	-0.2658	hypo	sig	chr6_36548075
chr17	81322545	81322545	+	3.354E-23	1.1013E-21	-0.28449	hypo	sig	chr17_81322545
chr5	1.35E+08	135038749	+	3.354E-23	1.1013E-21	0.29491	hyper	sig	chr5_135038749
chr2	31581131	31581131	+	3.355E-23	1.1015E-21	0.394957	hyper	sig	chr2_31581131
chr16	7654959	7654959	+	3.357E-23	1.1022E-21	-0.2815	hypo	sig	chr16_7654959
chr4	6245853	6245853	+	3.363E-23	1.104E-21	0.258911	hyper	sig	chr4_6245853
chr1	17149570	17149570	+	3.364E-23	1.1044E-21	0.324799	hyper	sig	chr1_17149570
chr5	1.59E+08	159104873	+	3.372E-23	1.1067E-21	0.38951	hyper	sig	chr5_159104873
chr12	7872921	7872921	+	3.374E-23	1.1073E-21	0.327405	hyper	sig	chr12_7872921
chr3	1.57E+08	156812850	+	3.374E-23	1.1073E-21	-0.25933	hypo	sig	chr3_156812850
chr17	6713704	6713704	+	3.374E-23	1.1073E-21	0.319691	hyper	sig	chr17_6713704
chr1	2.34E+08	233905087	+	3.379E-23	1.1091E-21	0.259101	hyper	sig	chr1_233905087
chr6	1.5E+08	150037776	+	3.384E-23	1.1105E-21	0.280492	hyper	sig	chr6_150037776
chr7	56115938	56115938	+	3.386E-23	1.1112E-21	0.327607	hyper	sig	chr7_56115938
chr8	37899864	37899864	+	3.386E-23	1.1112E-21	-0.22456	hypo	sig	chr8_37899864
chr22	49671325	49671325	+	3.393E-23	1.1133E-21	0.328097	hyper	sig	chr22_49671325
chr12	1.23E+08	123269524	+	3.396E-23	1.1144E-21	0.394188	hyper	sig	chr12_123269524
chr14	88326588	88326588	+	3.401E-23	1.116E-21	0.229287	hyper	sig	chr14_88326588
chr17	82342333	82342333	+	3.404E-23	1.1168E-21	-0.28809	hypo	sig	chr17_82342333
chr6	393225	393225	+	3.406E-23	1.1175E-21	0.301624	hyper	sig	chr6_393225
chr3	1.47E+08	147388848	+	3.408E-23	1.1181E-21	0.301465	hyper	sig	chr3_147388848
chr14	94776906	94776906	+	3.409E-23	1.1185E-21	-0.39008	hypo	sig	chr14_94776906
chr8	1.43E+08	142555349	+	3.411E-23	1.1191E-21	-0.26218	hypo	sig	chr8_142555349
chr12	63151077	63151077	+	3.412E-23	1.1194E-21	0.334244	hyper	sig	chr12_63151077
chr9	1.29E+08	129497817	+	3.413E-23	1.1195E-21	0.335395	hyper	sig	chr9_129497817
chr6	10882892	10882892	+	3.415E-23	1.1201E-21	0.316621	hyper	sig	chr6_10882892
chr7	1.44E+08	144003712	+	3.417E-23	1.1209E-21	-0.32085	hypo	sig	chr7_144003712

chr8	41310686	41310686	+	3.418E-23	1.1209E-21	-0.25606	hypo	sig	chr8_41310686
chr22	40679640	40679640	+	3.422E-23	1.1225E-21	0.341345	hyper	sig	chr22_40679640
chr1	2.28E+08	228470064	+	3.426E-23	1.1237E-21	0.279113	hyper	sig	chr1_228470064
chr7	97017740	97017740	+	3.429E-23	1.1244E-21	0.4431	hyper	sig	chr7_97017740
chr16	84236753	84236753	+	3.43E-23	1.1249E-21	-0.43459	hypo	sig	chr16_84236753
chr13	36431364	36431364	+	3.432E-23	1.1256E-21	0.412327	hyper	sig	chr13_36431364
chr13	1.13E+08	112771709	+	3.444E-23	1.1293E-21	-0.29399	hypo	sig	chr13_112771709
chr7	56116163	56116163	+	3.446E-23	1.1299E-21	0.261017	hyper	sig	chr7_56116163
chr22	30542042	30542042	+	3.45E-23	1.1312E-21	0.321486	hyper	sig	chr22_30542042
chr2	96500742	96500742	+	3.456E-23	1.1332E-21	0.347692	hyper	sig	chr2_96500742
chr17	81941477	81941477	+	3.457E-23	1.1333E-21	-0.32912	hypo	sig	chr17_81941477
chr5	1.59E+08	159105300	+	3.457E-23	1.1335E-21	0.34559	hyper	sig	chr5_159105300
chr15	63597432	63597432	+	3.46E-23	1.1343E-21	0.336743	hyper	sig	chr15_63597432
chr19	6534792	6534792	+	3.46E-23	1.1343E-21	0.275357	hyper	sig	chr19_6534792
chr17	78680778	78680778	+	3.462E-23	1.1348E-21	0.275977	hyper	sig	chr17_78680778
chr6	30127488	30127488	+	3.467E-23	1.1363E-21	0.291225	hyper	sig	chr6_30127488
chr11	314106	314106	+	3.467E-23	1.1365E-21	-0.24914	hypo	sig	chr11_314106
chr10	13891652	13891652	+	3.47E-23	1.1372E-21	0.283238	hyper	sig	chr10_13891652
chr9	97853482	97853482	+	3.473E-23	1.1381E-21	0.352833	hyper	sig	chr9_97853482
chr11	17719709	17719709	+	3.474E-23	1.1384E-21	0.370113	hyper	sig	chr11_17719709
chr22	18111469	18111469	+	3.48E-23	1.1406E-21	0.364339	hyper	sig	chr22_18111469
chr16	77788904	77788904	+	3.481E-23	1.1408E-21	0.36503	hyper	sig	chr16_77788904
chr11	3218983	3218983	+	3.482E-23	1.1411E-21	-0.28484	hypo	sig	chr11_3218983
chr8	26044806	26044806	+	3.483E-23	1.1413E-21	0.246058	hyper	sig	chr8_26044806
chr11	31804909	31804909	+	3.485E-23	1.1419E-21	0.390409	hyper	sig	chr11_31804909
chr11	1.23E+08	122980411	+	3.485E-23	1.142E-21	0.279502	hyper	sig	chr11_122980411
chr10	1.01E+08	101062075	+	3.487E-23	1.1426E-21	-0.38461	hypo	sig	chr10_101062075
chr7	1.46E+08	146116439	+	3.489E-23	1.1431E-21	0.253164	hyper	sig	chr7_146116439
chr13	77919401	77919401	+	3.49E-23	1.1433E-21	0.252745	hyper	sig	chr13_77919401
chr11	7984596	7984596	+	3.49E-23	1.1433E-21	-0.34545	hypo	sig	chr11_7984596
chr11	20163147	20163147	+	3.498E-23	1.1458E-21	0.292576	hyper	sig	chr11_20163147
chr7	1.51E+08	151012448	+	3.498E-23	1.1458E-21	-0.39588	hypo	sig	chr7_151012448
chr12	1.32E+08	132078140	+	3.499E-23	1.146E-21	0.284063	hyper	sig	chr12_132078140
chr4	1.74E+08	173527614	+	3.499E-23	1.1461E-21	0.301419	hyper	sig	chr4_173527614
chr10	1.01E+08	101134192	+	3.501E-23	1.1467E-21	0.340265	hyper	sig	chr10_101134192
chr17	49852209	49852209	+	3.502E-23	1.1469E-21	-0.29628	hypo	sig	chr17_49852209
chr1	6276601	6276601	+	3.506E-23	1.1483E-21	0.387273	hyper	sig	chr1_6276601
chr1	1.15E+08	115338252	+	3.509E-23	1.1491E-21	0.334507	hyper	sig	chr1_115338252
chr12	57091404	57091404	+	3.51E-23	1.1496E-21	0.264086	hyper	sig	chr12_57091404
chr21	44920861	44920861	+	3.514E-23	1.1508E-21	-0.32456	hypo	sig	chr21_44920861
chr1	50417678	50417678	+	3.526E-23	1.1544E-21	0.277677	hyper	sig	chr1_50417678
chr12	53999625	53999625	+	3.525E-23	1.1544E-21	0.278452	hyper	sig	chr12_53999625
chr18	79576150	79576150	+	3.526E-23	1.1544E-21	0.262871	hyper	sig	chr18_79576150
chr2	1.42E+08	142130284	+	3.53E-23	1.1559E-21	0.205451	hyper	sig	chr2_142130284
chr22	18111459	18111459	+	3.534E-23	1.157E-21	0.391368	hyper	sig	chr22_18111459
chr1	1.55E+08	155295291	+	3.536E-23	1.1577E-21	0.291482	hyper	sig	chr1_155295291
chr6	10883583	10883583	+	3.537E-23	1.1578E-21	0.354359	hyper	sig	chr6_10883583
chr12	1.32E+08	132426387	+	3.539E-23	1.1585E-21	-0.30515	hypo	sig	chr12_132426387
chr17	29613472	29613472	+	3.539E-23	1.1586E-21	0.299737	hyper	sig	chr17_29613472
chr19	54502605	54502605	+	3.541E-23	1.159E-21	-0.29051	hypo	sig	chr19_54502605
chr8	41309568	41309568	+	3.541E-23	1.1591E-21	0.23191	hyper	sig	chr8_41309568
chr10	1402939	1402939	+	3.542E-23	1.1594E-21	-0.40157	hypo	sig	chr10_1402939
chr1	1.11E+08	110675492	+	3.544E-23	1.1598E-21	0.36002	hyper	sig	chr1_110675492
chr3	48269109	48269109	+	3.552E-23	1.1625E-21	-0.26731	hypo	sig	chr3_48269109
chr6	30172178	30172178	+	3.552E-23	1.1625E-21	0.291212	hyper	sig	chr6_30172178
chr3	1.47E+08	147391107	+	3.555E-23	1.1635E-21	0.308634	hyper	sig	chr3_147391107

chr1	31939759	31939759	+	3.557E-23	1.164E-21	-0.35638	hypo	sig	chr1_31939759
chr5	1.41E+08	141389494	+	3.559E-23	1.1646E-21	0.293992	hyper	sig	chr5_141389494
chr19	43827077	43827077	+	3.566E-23	1.1669E-21	0.316778	hyper	sig	chr19_43827077
chr19	57600360	57600360	+	3.569E-23	1.1677E-21	0.232183	hyper	sig	chr19_57600360
chr6	1.49E+08	148560304	+	3.57E-23	1.1679E-21	0.219258	hyper	sig	chr6_148560304
chr14	28774209	28774209	+	3.585E-23	1.1728E-21	0.304257	hyper	sig	chr14_28774209
chr15	88769804	88769804	+	3.587E-23	1.1735E-21	0.248415	hyper	sig	chr15_88769804
chr6	62286058	62286058	+	3.589E-23	1.1742E-21	0.326802	hyper	sig	chr6_62286058
chr22	39100437	39100437	+	3.591E-23	1.1746E-21	-0.34113	hypo	sig	chr22_39100437
chr6	41638734	41638734	+	3.606E-23	1.1797E-21	0.301649	hyper	sig	chr6_41638734
chr6	27515153	27515153	+	3.609E-23	1.1806E-21	0.303863	hyper	sig	chr6_27515153
chr14	60510582	60510582	+	3.611E-23	1.1811E-21	0.282689	hyper	sig	chr14_60510582
chr5	32713025	32713025	+	3.614E-23	1.1821E-21	0.303337	hyper	sig	chr5_32713025
chr10	55628637	55628637	+	3.616E-23	1.1827E-21	0.288828	hyper	sig	chr10_55628637
chr7	1.51E+08	151019250	+	3.617E-23	1.1828E-21	0.360138	hyper	sig	chr7_151019250
chr5	1973690	1973690	+	3.619E-23	1.1835E-21	-0.30834	hypo	sig	chr5_1973690
chr1	16521213	16521213	+	3.628E-23	1.1866E-21	0.344945	hyper	sig	chr1_16521213
chr5	1.41E+08	141330909	+	3.632E-23	1.1878E-21	0.276216	hyper	sig	chr5_141330909
chr8	1.43E+08	142777132	+	3.634E-23	1.1883E-21	0.289362	hyper	sig	chr8_142777132
chr7	1.29E+08	128916500	+	3.635E-23	1.1885E-21	0.236393	hyper	sig	chr7_128916500
chr10	13891673	13891673	+	3.635E-23	1.1885E-21	0.309313	hyper	sig	chr10_13891673
chr7	1.01E+08	101299708	+	3.643E-23	1.1911E-21	0.334999	hyper	sig	chr7_101299708
chr4	1.21E+08	121380903	+	3.644E-23	1.1913E-21	0.327642	hyper	sig	chr4_121380903
chr16	1146604	1146604	+	3.655E-23	1.195E-21	-0.48069	hypo	sig	chr16_1146604
chr19	53255069	53255069	+	3.656E-23	1.1951E-21	0.255077	hyper	sig	chr19_53255069
chr3	1.84E+08	184491504	+	3.659E-23	1.196E-21	0.390613	hyper	sig	chr3_184491504
chr3	62379323	62379323	+	3.664E-23	1.1976E-21	0.341632	hyper	sig	chr3_62379323
chr15	74132816	74132816	+	3.664E-23	1.1977E-21	0.465778	hyper	sig	chr15_74132816
chr10	1.01E+08	101218302	+	3.677E-23	1.2019E-21	0.259785	hyper	sig	chr10_101218302
chr14	36514251	36514251	+	3.677E-23	1.2019E-21	0.256261	hyper	sig	chr14_36514251
chr22	44172590	44172590	+	3.679E-23	1.2023E-21	-0.29564	hypo	sig	chr22_44172590
chr6	1E+08	100465154	+	3.689E-23	1.2055E-21	0.301949	hyper	sig	chr6_100465154
chr1	1.77E+08	177171177	+	3.697E-23	1.2081E-21	0.251636	hyper	sig	chr1_177171177
chr16	56642782	56642782	+	3.698E-23	1.2084E-21	-0.26164	hypo	sig	chr16_56642782
chr1	16226772	16226772	+	3.7E-23	1.209E-21	0.281579	hyper	sig	chr1_16226772
chr15	69462229	69462229	+	3.701E-23	1.2093E-21	-0.37506	hypo	sig	chr15_69462229
chr6	1.68E+08	167824721	+	3.704E-23	1.2103E-21	0.31806	hyper	sig	chr6_167824721
chr16	29140624	29140624	+	3.708E-23	1.2114E-21	0.257073	hyper	sig	chr16_29140624
chr2	2.39E+08	239240264	+	3.709E-23	1.2118E-21	0.308191	hyper	sig	chr2_239240264
chr1	2E+08	200035701	+	3.71E-23	1.2121E-21	0.271477	hyper	sig	chr1_200035701
chr3	1.35E+08	134651067	+	3.712E-23	1.2127E-21	0.283954	hyper	sig	chr3_134651067
chr7	99580251	99580251	+	3.713E-23	1.2129E-21	0.290453	hyper	sig	chr7_99580251
chr3	1.72E+08	172448077	+	3.714E-23	1.2132E-21	0.373567	hyper	sig	chr3_172448077
chr1	19338576	19338576	+	3.716E-23	1.2138E-21	0.317749	hyper	sig	chr1_19338576
chr15	70475080	70475080	+	3.722E-23	1.2156E-21	-0.2613	hypo	sig	chr15_70475080
chr12	1.31E+08	130711867	+	3.724E-23	1.2164E-21	-0.30925	hypo	sig	chr12_130711867
chr5	1.5E+08	150185128	+	3.726E-23	1.2167E-21	-0.28592	hypo	sig	chr5_150185128
chr11	49854355	49854355	+	3.726E-23	1.217E-21	-0.27802	hypo	sig	chr11_49854355
chr7	1.35E+08	135182223	+	3.729E-23	1.2178E-21	-0.20482	hypo	sig	chr7_135182223
chr3	1.39E+08	138938671	+	3.737E-23	1.2204E-21	0.209493	hyper	sig	chr3_138938671
chr20	63521837	63521837	+	3.739E-23	1.2208E-21	0.35649	hyper	sig	chr20_63521837
chr6	83854177	83854177	+	3.742E-23	1.2219E-21	0.347117	hyper	sig	chr6_83854177
chr6	1.55E+08	155248114	+	3.743E-23	1.2223E-21	0.284995	hyper	sig	chr6_155248114
chr15	52787358	52787358	+	3.745E-23	1.2227E-21	0.342418	hyper	sig	chr15_52787358
chr12	85273596	85273596	+	3.747E-23	1.2234E-21	0.278771	hyper	sig	chr12_85273596
chr20	62761398	62761398	+	3.749E-23	1.224E-21	0.333857	hyper	sig	chr20_62761398

chr3	51984125	51984125	+	3.753E-23	1.2252E-21	-0.33011	hypo	sig	chr3_51984125
chr17	75784292	75784292	+	3.762E-23	1.2281E-21	-0.25105	hypo	sig	chr17_75784292
chr11	1.29E+08	129280364	+	3.763E-23	1.2283E-21	-0.29638	hypo	sig	chr11_129280364
chr19	22634656	22634656	+	3.763E-23	1.2284E-21	0.275593	hyper	sig	chr19_22634656
chr1	1.11E+08	111271121	+	3.764E-23	1.2286E-21	0.304259	hyper	sig	chr1_111271121
chr5	33937120	33937120	+	3.767E-23	1.2294E-21	0.332021	hyper	sig	chr5_33937120
chr2	66582150	66582150	+	3.768E-23	1.2298E-21	0.283225	hyper	sig	chr2_66582150
chr1	2.21E+08	220894933	+	3.777E-23	1.2327E-21	0.397871	hyper	sig	chr1_220894933
chr4	1.21E+08	121380583	+	3.779E-23	1.2333E-21	0.267427	hyper	sig	chr4_121380583
chr7	1.53E+08	152925752	+	3.784E-23	1.2349E-21	0.403775	hyper	sig	chr7_152925752
chr13	22758486	22758486	+	3.788E-23	1.2362E-21	-0.31372	hypo	sig	chr13_22758486
chr8	1.43E+08	142510233	+	3.793E-23	1.2376E-21	0.279884	hyper	sig	chr8_142510233
chr14	36514315	36514315	+	3.796E-23	1.2385E-21	0.266167	hyper	sig	chr14_36514315
chr9	1.33E+08	132579872	+	3.797E-23	1.239E-21	0.292574	hyper	sig	chr9_132579872
chr11	58964032	58964032	+	3.799E-23	1.2395E-21	0.283448	hyper	sig	chr11_58964032
chr12	53960777	53960777	+	3.803E-23	1.2407E-21	0.333149	hyper	sig	chr12_53960777
chr13	54286954	54286954	+	3.81E-23	1.2428E-21	-0.45759	hypo	sig	chr13_54286954
chr17	2421843	2421843	+	3.812E-23	1.2436E-21	0.241647	hyper	sig	chr17_2421843
chr8	2090066	2090066	+	3.816E-23	1.2447E-21	-0.33001	hypo	sig	chr8_2090066
chr12	1.25E+08	124655686	+	3.816E-23	1.2448E-21	0.329506	hyper	sig	chr12_124655686
chr16	427100	427100	+	3.826E-23	1.248E-21	0.240336	hyper	sig	chr16_427100
chr12	1.31E+08	130711898	+	3.828E-23	1.2485E-21	-0.30642	hypo	sig	chr12_130711898
chr5	1.73E+08	173279874	+	3.829E-23	1.2487E-21	-0.3463	hypo	sig	chr5_173279874
chr11	71339455	71339455	+	3.831E-23	1.2496E-21	0.302077	hyper	sig	chr11_71339455
chr7	1.58E+08	157709808	+	3.841E-23	1.2525E-21	-0.32031	hypo	sig	chr7_157709808
chr4	663255	663255	+	3.841E-23	1.2526E-21	0.337341	hyper	sig	chr4_663255
chr12	1.32E+08	132292639	+	3.845E-23	1.2538E-21	-0.3011	hypo	sig	chr12_132292639
chr7	20776901	20776901	+	3.85E-23	1.2554E-21	0.34285	hyper	sig	chr7_20776901
chr17	48545154	48545154	+	3.852E-23	1.2559E-21	0.283563	hyper	sig	chr17_48545154
chr10	49768540	49768540	+	3.852E-23	1.256E-21	0.338849	hyper	sig	chr10_49768540
chr4	92305433	92305433	+	3.853E-23	1.2562E-21	0.270077	hyper	sig	chr4_92305433
chr1	2E+08	200038442	+	3.855E-23	1.257E-21	0.305305	hyper	sig	chr1_200038442
chr15	65212259	65212259	+	3.856E-23	1.2571E-21	-0.32859	hypo	sig	chr15_65212259
chr1	2.27E+08	226736570	+	3.86E-23	1.2583E-21	0.269637	hyper	sig	chr1_226736570
chr13	1.12E+08	111959237	+	3.86E-23	1.2583E-21	-0.29908	hypo	sig	chr13_111959237
chr5	55822102	55822102	+	3.86E-23	1.2584E-21	0.302073	hyper	sig	chr5_55822102
chr4	17781638	17781638	+	3.863E-23	1.2593E-21	0.26271	hyper	sig	chr4_17781638
chr11	69654264	69654264	+	3.865E-23	1.26E-21	-0.30995	hypo	sig	chr11_69654264
chr19	19861218	19861218	+	3.872E-23	1.2621E-21	0.321263	hyper	sig	chr19_19861218
chr6	1.17E+08	117481487	+	3.883E-23	1.2656E-21	-0.25854	hypo	sig	chr6_117481487
chr1	2.07E+08	207051646	+	3.883E-23	1.2656E-21	-0.31097	hypo	sig	chr1_207051646
chr16	1288356	1288356	+	3.886E-23	1.2664E-21	-0.30349	hypo	sig	chr16_1288356
chr8	740001	740001	+	3.886E-23	1.2664E-21	0.288575	hyper	sig	chr8_740001
chr2	2.19E+08	219332994	+	3.889E-23	1.2673E-21	0.266922	hyper	sig	chr2_219332994
chr2	31580955	31580955	+	3.89E-23	1.2677E-21	0.353238	hyper	sig	chr2_31580955
chr5	1.69E+08	169301519	+	3.89E-23	1.2677E-21	0.289359	hyper	sig	chr5_169301519
chr6	30260306	30260306	+	3.892E-23	1.2682E-21	0.265772	hyper	sig	chr6_30260306
chr8	64576483	64576483	+	3.892E-23	1.2682E-21	0.252178	hyper	sig	chr8_64576483
chr10	1.23E+08	122822210	+	3.895E-23	1.2689E-21	-0.41658	hypo	sig	chr10_122822210
chr17	48552415	48552415	+	3.896E-23	1.2693E-21	0.369843	hyper	sig	chr17_48552415
chr11	1354100	1354100	+	3.897E-23	1.2696E-21	-0.33621	hypo	sig	chr11_1354100
chr7	1.56E+08	155803677	+	3.9E-23	1.2706E-21	0.317017	hyper	sig	chr7_155803677
chr8	71844769	71844769	+	3.904E-23	1.2718E-21	0.264963	hyper	sig	chr8_71844769
chr5	1.62E+08	161548847	+	3.907E-23	1.2727E-21	0.222638	hyper	sig	chr5_161548847
chr5	1.81E+08	181114862	+	3.907E-23	1.2727E-21	0.322483	hyper	sig	chr5_181114862
chr6	50724484	50724484	+	3.908E-23	1.2728E-21	0.259389	hyper	sig	chr6_50724484

chr11	1.09E+08	109423507	+	3.912E-23	1.274E-21	0.314942	hyper	sig	chr11_109423507
chr3	1.38E+08	137769765	+	3.913E-23	1.2745E-21	0.262087	hyper	sig	chr3_137769765
chr2	1.19E+08	118854758	+	3.914E-23	1.2748E-21	0.243047	hyper	sig	chr2_118854758
chr17	45261758	45261758	+	3.915E-23	1.2748E-21	0.318968	hyper	sig	chr17_45261758
chr8	52939901	52939901	+	3.919E-23	1.2762E-21	0.358567	hyper	sig	chr8_52939901
chr10	93060326	93060326	+	3.925E-23	1.278E-21	0.352685	hyper	sig	chr10_93060326
chr17	38559677	38559677	+	3.931E-23	1.28E-21	-0.22417	hypo	sig	chr17_38559677
chr16	55656508	55656508	+	3.937E-23	1.2821E-21	0.275583	hyper	sig	chr16_55656508
chr1	3651058	3651058	+	3.945E-23	1.2846E-21	0.282089	hyper	sig	chr1_3651058
chr14	1.01E+08	101022092	+	3.946E-23	1.2847E-21	-0.20341	hypo	sig	chr14_101022092
chr6	50724445	50724445	+	3.947E-23	1.2852E-21	0.234211	hyper	sig	chr6_50724445
chr7	27241725	27241725	+	3.949E-23	1.2857E-21	0.295151	hyper	sig	chr7_27241725
chr19	49050531	49050531	+	3.95E-23	1.286E-21	-0.37586	hypo	sig	chr19_49050531
chr12	1.23E+08	123269731	+	3.952E-23	1.2864E-21	0.334687	hyper	sig	chr12_123269731
chr17	52159389	52159389	+	3.954E-23	1.2872E-21	0.297894	hyper	sig	chr17_52159389
chr13	1.13E+08	113453503	+	3.956E-23	1.2876E-21	0.242929	hyper	sig	chr13_113453503
chr5	1.41E+08	141421295	+	3.957E-23	1.2878E-21	0.338611	hyper	sig	chr5_141421295
chr10	1.01E+08	101218283	+	3.96E-23	1.2889E-21	0.274345	hyper	sig	chr10_101218283
chr20	3236141	3236141	+	3.969E-23	1.2919E-21	-0.33245	hypo	sig	chr20_3236141
chr3	1.72E+08	172449748	+	3.97E-23	1.292E-21	0.25987	hyper	sig	chr3_172449748
chr10	12044037	12044037	+	3.971E-23	1.2924E-21	-0.30657	hypo	sig	chr10_12044037
chr17	50834966	50834966	+	3.973E-23	1.2928E-21	0.28793	hyper	sig	chr17_50834966
chr10	91633532	91633532	+	3.981E-23	1.2955E-21	0.250035	hyper	sig	chr10_91633532
chr14	89415473	89415473	+	3.983E-23	1.2961E-21	0.299827	hyper	sig	chr14_89415473
chr7	1538031	1538031	+	3.986E-23	1.2969E-21	0.374654	hyper	sig	chr7_1538031
chr17	48554632	48554632	+	3.992E-23	1.2988E-21	0.309471	hyper	sig	chr17_48554632
chr5	1.41E+08	140795353	+	3.994E-23	1.2995E-21	0.309204	hyper	sig	chr5_140795353
chr9	3181061	3181061	+	3.997E-23	1.3004E-21	0.234828	hyper	sig	chr9_3181061
chr4	39640158	39640158	+	3.999E-23	1.301E-21	-0.30869	hypo	sig	chr4_39640158
chr8	52939768	52939768	+	4.007E-23	1.3034E-21	0.415488	hyper	sig	chr8_52939768
chr1	1.19E+08	118989519	+	4.007E-23	1.3035E-21	0.257762	hyper	sig	chr1_118989519
chr17	82875795	82875795	+	4.014E-23	1.3055E-21	-0.25831	hypo	sig	chr17_82875795
chr14	1.06E+08	105624920	+	4.022E-23	1.3083E-21	-0.34196	hypo	sig	chr14_105624920
chr13	26742970	26742970	+	4.028E-23	1.3101E-21	0.346688	hyper	sig	chr13_26742970
chr8	64586481	64586481	+	4.029E-23	1.3103E-21	0.26275	hyper	sig	chr8_64586481
chr22	20062775	20062775	+	4.03E-23	1.3106E-21	-0.30803	hypo	sig	chr22_20062775
chr19	50717253	50717253	+	4.03E-23	1.3107E-21	-0.33962	hypo	sig	chr19_50717253
chr19	58440771	58440771	+	4.03E-23	1.3107E-21	0.302854	hyper	sig	chr19_58440771
chr6	1.55E+08	155248090	+	4.031E-23	1.3108E-21	0.290353	hyper	sig	chr6_155248090
chr5	1553019	1553019	+	4.042E-23	1.3142E-21	0.253213	hyper	sig	chr5_1553019
chr5	38134985	38134985	+	4.045E-23	1.3153E-21	-0.28516	hypo	sig	chr5_38134985
chr3	1.47E+08	147388806	+	4.046E-23	1.3154E-21	0.290299	hyper	sig	chr3_147388806
chr5	1.56E+08	155729523	+	4.055E-23	1.3185E-21	0.313127	hyper	sig	chr5_155729523
chr16	85534683	85534683	+	4.061E-23	1.3204E-21	0.254867	hyper	sig	chr16_85534683
chr7	99558192	99558192	+	4.062E-23	1.3206E-21	0.242805	hyper	sig	chr7_99558192
chr17	29572611	29572611	+	4.069E-23	1.3227E-21	0.34322	hyper	sig	chr17_29572611
chr6	29828106	29828106	+	4.073E-23	1.3239E-21	0.235483	hyper	sig	chr6_29828106
chr2	2.02E+08	201619306	+	4.075E-23	1.3246E-21	0.272774	hyper	sig	chr2_201619306
chr21	18244864	18244864	+	4.075E-23	1.3246E-21	0.365141	hyper	sig	chr21_18244864
chr6	39793094	39793094	+	4.075E-23	1.3246E-21	0.344743	hyper	sig	chr6_39793094
chr5	1.41E+08	141430928	+	4.078E-23	1.3255E-21	0.290093	hyper	sig	chr5_141430928
chr16	21536963	21536963	+	4.086E-23	1.3278E-21	-0.29253	hypo	sig	chr16_21536963
chr14	77026574	77026574	+	4.091E-23	1.3296E-21	0.290386	hyper	sig	chr14_77026574
chr8	64379244	64379244	+	4.093E-23	1.33E-21	0.343281	hyper	sig	chr8_64379244
chr11	29712763	29712763	+	4.098E-23	1.3318E-21	-0.29056	hypo	sig	chr11_29712763
chr12	1.24E+08	124388771	+	4.103E-23	1.3332E-21	0.327422	hyper	sig	chr12_124388771

chr13	94703946	94703946	+	4.104E-23	1.3336E-21	0.395484	hyper	sig	chr13_94703946
chr5	1.78E+08	177986610	+	4.106E-23	1.3342E-21	-0.25795	hypo	sig	chr5_177986610
chr10	86710852	86710852	+	4.122E-23	1.3392E-21	0.255102	hyper	sig	chr10_86710852
chr16	1534524	1534524	+	4.133E-23	1.3428E-21	0.284947	hyper	sig	chr16_1534524
chr1	1.19E+08	119000006	+	4.133E-23	1.3429E-21	0.32169	hyper	sig	chr1_119000006
chr18	21243022	21243022	+	4.136E-23	1.3437E-21	0.251301	hyper	sig	chr18_21243022
chr13	1.02E+08	102394869	+	4.137E-23	1.344E-21	0.210224	hyper	sig	chr13_102394869
chr6	31572423	31572423	+	4.143E-23	1.3457E-21	-0.32835	hypo	sig	chr6_31572423
chr2	1.3E+08	129979714	+	4.146E-23	1.3466E-21	0.219345	hyper	sig	chr2_129979714
chr4	1E+08	100190760	+	4.148E-23	1.3472E-21	0.238115	hyper	sig	chr4_100190760
chr2	91443052	91443052	+	4.152E-23	1.3486E-21	0.309398	hyper	sig	chr2_91443052
chr1	3404204	3404204	+	4.156E-23	1.3497E-21	0.318837	hyper	sig	chr1_3404204
chr6	10886889	10886889	+	4.157E-23	1.3499E-21	0.301274	hyper	sig	chr6_10886889
chr15	61227291	61227291	+	4.167E-23	1.3532E-21	0.215695	hyper	sig	chr15_61227291
chr15	59995294	59995294	+	4.167E-23	1.3532E-21	0.278033	hyper	sig	chr15_59995294
chr1	1.48E+08	148310155	+	4.175E-23	1.3558E-21	0.359352	hyper	sig	chr1_148310155
chr17	5499829	5499829	+	4.177E-23	1.3562E-21	0.302285	hyper	sig	chr17_5499829
chr5	1.19E+08	119355498	+	4.178E-23	1.3565E-21	-0.33822	hypo	sig	chr5_119355498
chr5	3599605	3599605	+	4.186E-23	1.359E-21	0.365739	hyper	sig	chr5_3599605
chr4	7500669	7500669	+	4.191E-23	1.3607E-21	-0.35702	hypo	sig	chr4_7500669
chr2	2.36E+08	236265429	+	4.207E-23	1.3658E-21	-0.29514	hypo	sig	chr2_236265429
chr1	1.19E+08	118992284	+	4.21E-23	1.3665E-21	0.306784	hyper	sig	chr1_118992284
chr19	1907678	1907678	+	4.21E-23	1.3665E-21	-0.29246	hypo	sig	chr19_1907678
chr20	46011744	46011744	+	4.211E-23	1.3669E-21	0.334402	hyper	sig	chr20_46011744
chr5	1.41E+08	141345709	+	4.218E-23	1.3692E-21	0.322825	hyper	sig	chr5_141345709
chr1	1.22E+08	121519675	+	4.221E-23	1.3702E-21	0.232023	hyper	sig	chr1_121519675
chr3	44021919	44021919	+	4.224E-23	1.3709E-21	0.315862	hyper	sig	chr3_44021919
chr4	1.12E+08	112379576	+	4.225E-23	1.3712E-21	0.303376	hyper	sig	chr4_112379576
chr1	50048774	50048774	+	4.228E-23	1.3721E-21	0.405895	hyper	sig	chr1_50048774
chr3	1.28E+08	128483611	+	4.233E-23	1.3735E-21	0.344134	hyper	sig	chr3_128483611
chr2	27078327	27078327	+	4.235E-23	1.3742E-21	0.342678	hyper	sig	chr2_27078327
chr21	45286780	45286780	+	4.239E-23	1.3755E-21	0.320331	hyper	sig	chr21_45286780
chr7	1.58E+08	157722025	+	4.24E-23	1.3756E-21	-0.33672	hypo	sig	chr7_157722025
chr20	21706815	21706815	+	4.24E-23	1.3758E-21	0.352728	hyper	sig	chr20_21706815
chr1	1.75E+08	175044016	+	4.243E-23	1.3767E-21	0.3019	hyper	sig	chr1_175044016
chr2	1.42E+08	142130516	+	4.246E-23	1.3775E-21	0.291652	hyper	sig	chr2_142130516
chr1	1.57E+08	156657044	+	4.247E-23	1.3778E-21	0.2668	hyper	sig	chr1_156657044
chr15	67825639	67825639	+	4.247E-23	1.3778E-21	0.200859	hyper	sig	chr15_67825639
chr7	4107731	4107731	+	4.25E-23	1.3788E-21	-0.35329	hypo	sig	chr7_4107731
chr17	7929807	7929807	+	4.251E-23	1.3789E-21	0.399446	hyper	sig	chr17_7929807
chr15	28192002	28192002	+	4.251E-23	1.3789E-21	0.293877	hyper	sig	chr15_28192002
chr9	1.37E+08	136658725	+	4.252E-23	1.379E-21	-0.46701	hypo	sig	chr9_136658725
chr2	1.24E+08	124024714	+	4.253E-23	1.3795E-21	0.426298	hyper	sig	chr2_124024714
chr3	1.92E+08	192408459	+	4.257E-23	1.3807E-21	0.246313	hyper	sig	chr3_192408459
chr10	1.25E+08	125023966	+	4.259E-23	1.3811E-21	0.385631	hyper	sig	chr10_125023966
chr17	34157039	34157039	+	4.265E-23	1.383E-21	0.248351	hyper	sig	chr17_34157039
chr5	1.46E+08	146338897	+	4.266E-23	1.3835E-21	0.265086	hyper	sig	chr5_146338897
chr1	9323186	9323186	+	4.276E-23	1.3867E-21	0.377526	hyper	sig	chr1_9323186
chr11	10653419	10653419	+	4.277E-23	1.3867E-21	0.260633	hyper	sig	chr11_10653419
chr19	56368063	56368063	+	4.277E-23	1.3868E-21	0.318763	hyper	sig	chr19_56368063
chr7	823021	823021	+	4.277E-23	1.3868E-21	0.242742	hyper	sig	chr7_823021
chr11	1853215	1853215	+	4.284E-23	1.3891E-21	-0.33049	hypo	sig	chr11_1853215
chr8	42499344	42499344	+	4.288E-23	1.3902E-21	0.360706	hyper	sig	chr8_42499344
chr19	36916553	36916553	+	4.292E-23	1.3914E-21	0.224376	hyper	sig	chr19_36916553
chr1	16938977	16938977	+	4.296E-23	1.3925E-21	0.308709	hyper	sig	chr1_16938977
chr2	1.29E+08	128733824	+	4.298E-23	1.3931E-21	-0.24496	hypo	sig	chr2_128733824

chr15	52785924	52785924	+	4.299E-23	1.3934E-21	0.201994	hyper	sig	chr15_52785924
chr6	50715868	50715868	+	4.302E-23	1.3943E-21	0.352812	hyper	sig	chr6_50715868
chr6	32188492	32188492	+	4.302E-23	1.3945E-21	0.289153	hyper	sig	chr6_32188492
chr11	22432958	22432958	+	4.303E-23	1.3945E-21	0.296877	hyper	sig	chr11_22432958
chr3	27730311	27730311	+	4.305E-23	1.3951E-21	0.312664	hyper	sig	chr3_27730311
chr5	55223273	55223273	+	4.311E-23	1.3971E-21	0.344771	hyper	sig	chr5_55223273
chr5	1.81E+08	181114857	+	4.318E-23	1.3994E-21	0.318403	hyper	sig	chr5_181114857
chr19	16283850	16283850	+	4.322E-23	1.4006E-21	0.241419	hyper	sig	chr19_16283850
chr20	664540	664540	+	4.324E-23	1.401E-21	0.341601	hyper	sig	chr20_664540
chr6	39932490	39932490	+	4.324E-23	1.4011E-21	-0.30644	hypo	sig	chr6_39932490
chr6	29553373	29553373	+	4.327E-23	1.4018E-21	0.263757	hyper	sig	chr6_29553373
chr10	86263300	86263300	+	4.327E-23	1.4021E-21	0.361957	hyper	sig	chr10_86263300
chr7	31060158	31060158	+	4.329E-23	1.4025E-21	-0.38318	hypo	sig	chr7_31060158
chr11	90134685	90134685	+	4.332E-23	1.4033E-21	0.258708	hyper	sig	chr11_90134685
chr19	2290991	2290991	+	4.333E-23	1.4035E-21	0.230694	hyper	sig	chr19_2290991
chr4	1.77E+08	176792177	+	4.336E-23	1.4046E-21	0.301669	hyper	sig	chr4_176792177
chr2	11612842	11612842	+	4.338E-23	1.4052E-21	-0.33187	hypo	sig	chr2_11612842
chr4	1.11E+08	110631140	+	4.348E-23	1.4082E-21	0.221241	hyper	sig	chr4_110631140
chr7	1.21E+08	120989652	+	4.352E-23	1.4095E-21	0.327619	hyper	sig	chr7_120989652
chr19	56665138	56665138	+	4.353E-23	1.4098E-21	-0.37574	hypo	sig	chr19_56665138
chr10	1.3E+08	129969794	+	4.357E-23	1.4112E-21	0.265469	hyper	sig	chr10_129969794
chr14	92688066	92688066	+	4.358E-23	1.4112E-21	0.38798	hyper	sig	chr14_92688066
chr2	89611909	89611909	+	4.362E-23	1.4125E-21	0.338796	hyper	sig	chr2_89611909
chr10	79299657	79299657	+	4.365E-23	1.4135E-21	0.283183	hyper	sig	chr10_79299657
chr16	85947819	85947819	+	4.373E-23	1.4159E-21	-0.42864	hypo	sig	chr16_85947819
chr20	63007204	63007204	+	4.375E-23	1.4165E-21	0.356452	hyper	sig	chr20_63007204
chr6	1.68E+08	168443438	+	4.375E-23	1.4166E-21	-0.2563	hypo	sig	chr6_168443438
chr2	5692852	5692852	+	4.378E-23	1.4174E-21	0.358569	hyper	sig	chr2_5692852
chr12	49625905	49625905	+	4.378E-23	1.4176E-21	0.312864	hyper	sig	chr12_49625905
chr10	625477	625477	+	4.387E-23	1.4202E-21	0.279667	hyper	sig	chr10_625477
chr10	69417097	69417097	+	4.391E-23	1.4214E-21	0.310002	hyper	sig	chr10_69417097
chr5	1.79E+08	178941340	+	4.397E-23	1.4234E-21	0.408905	hyper	sig	chr5_178941340
chr10	8055329	8055329	+	4.401E-23	1.4247E-21	0.258566	hyper	sig	chr10_8055329
chr8	1.31E+08	131039831	+	4.414E-23	1.4289E-21	0.334562	hyper	sig	chr8_131039831
chr1	2299526	2299526	+	4.416E-23	1.4293E-21	0.32185	hyper	sig	chr1_2299526
chr2	66582129	66582129	+	4.418E-23	1.43E-21	0.273317	hyper	sig	chr2_66582129
chr1	2240440	2240440	+	4.422E-23	1.4313E-21	0.367505	hyper	sig	chr1_2240440
chr7	1.56E+08	155576489	+	4.425E-23	1.432E-21	-0.32104	hypo	sig	chr7_155576489
chr6	6614186	6614186	+	4.432E-23	1.4344E-21	-0.32889	hypo	sig	chr6_6614186
chr5	1479877	1479877	+	4.434E-23	1.435E-21	0.254706	hyper	sig	chr5_1479877
chr14	62117838	62117838	+	4.435E-23	1.4351E-21	0.201092	hyper	sig	chr14_62117838
chr8	1.16E+08	115648454	+	4.438E-23	1.4359E-21	0.323933	hyper	sig	chr8_115648454
chr1	2.01E+08	201469884	+	4.449E-23	1.4397E-21	0.317255	hyper	sig	chr1_201469884
chr13	64076762	64076762	+	4.45E-23	1.4397E-21	-0.4219	hypo	sig	chr13_64076762
chr19	1908296	1908296	+	4.457E-23	1.442E-21	-0.27959	hypo	sig	chr19_1908296
chr11	32427189	32427189	+	4.471E-23	1.4465E-21	0.253723	hyper	sig	chr11_32427189
chr20	38674069	38674069	+	4.475E-23	1.4476E-21	0.276689	hyper	sig	chr20_38674069
chr12	53973014	53973014	+	4.477E-23	1.4482E-21	0.292766	hyper	sig	chr12_53973014
chr21	36696349	36696349	+	4.478E-23	1.4486E-21	0.447774	hyper	sig	chr21_36696349
chr20	35967151	35967151	+	4.479E-23	1.4488E-21	-0.29608	hypo	sig	chr20_35967151
chr11	65047763	65047763	+	4.485E-23	1.4508E-21	0.330928	hyper	sig	chr11_65047763
chr20	8132873	8132873	+	4.488E-23	1.4515E-21	0.249147	hyper	sig	chr20_8132873
chr12	63669171	63669171	+	4.49E-23	1.4522E-21	0.225595	hyper	sig	chr12_63669171
chr3	13526712	13526712	+	4.49E-23	1.4523E-21	-0.34882	hypo	sig	chr3_13526712
chr6	37705932	37705932	+	4.498E-23	1.4547E-21	0.303557	hyper	sig	chr6_37705932
chr3	1.43E+08	142964420	+	4.501E-23	1.4555E-21	0.351417	hyper	sig	chr3_142964420

chr19	16283975	16283975	+	4.501E-23	1.4556E-21	0.253431	hyper	sig	chr19_16283975
chr8	55939643	55939643	+	4.507E-23	1.4575E-21	0.284776	hyper	sig	chr8_55939643
chr2	86790309	86790309	+	4.514E-23	1.4595E-21	0.280683	hyper	sig	chr2_86790309
chr5	1.5E+08	150189938	+	4.514E-23	1.4595E-21	0.306396	hyper	sig	chr5_150189938
chr11	3232608	3232608	+	4.515E-23	1.4598E-21	0.27925	hyper	sig	chr11_3232608
chr14	1.02E+08	102321257	+	4.53E-23	1.4645E-21	-0.28609	hypo	sig	chr14_102321257
chr8	1.2E+08	120125253	+	4.538E-23	1.4673E-21	0.295192	hyper	sig	chr8_120125253
chr3	15324527	15324527	+	4.544E-23	1.4691E-21	0.291245	hyper	sig	chr3_15324527
chr5	1.7E+08	170104625	+	4.545E-23	1.4693E-21	-0.42527	hypo	sig	chr5_170104625
chr6	10390716	10390716	+	4.547E-23	1.4698E-21	0.288631	hyper	sig	chr6_10390716
chr10	89833506	89833506	+	4.549E-23	1.4704E-21	-0.30993	hypo	sig	chr10_89833506
chr4	1.74E+08	173538999	+	4.55E-23	1.4707E-21	0.227208	hyper	sig	chr4_173538999
chr7	1.57E+08	157020290	+	4.555E-23	1.4722E-21	0.299984	hyper	sig	chr7_157020290
chr17	887424	887424	+	4.558E-23	1.4732E-21	0.268862	hyper	sig	chr17_887424
chr15	28107438	28107438	+	4.559E-23	1.4734E-21	0.305463	hyper	sig	chr15_28107438
chr5	43037509	43037509	+	4.562E-23	1.4744E-21	0.307363	hyper	sig	chr5_43037509
chr16	51153689	51153689	+	4.563E-23	1.4747E-21	0.318368	hyper	sig	chr16_51153689
chr19	56403401	56403401	+	4.563E-23	1.4747E-21	0.289466	hyper	sig	chr19_56403401
chr16	699547	699547	+	4.569E-23	1.4764E-21	-0.27466	hypo	sig	chr16_699547
chr10	23203869	23203869	+	4.571E-23	1.477E-21	0.340517	hyper	sig	chr10_23203869
chr1	2.28E+08	228464574	+	4.574E-23	1.4781E-21	0.256579	hyper	sig	chr1_228464574
chr14	97219603	97219603	+	4.582E-23	1.4807E-21	0.259131	hyper	sig	chr14_97219603
chr1	1.47E+08	147072759	+	4.583E-23	1.4807E-21	0.356064	hyper	sig	chr1_147072759
chr22	30542390	30542390	+	4.593E-23	1.484E-21	0.247228	hyper	sig	chr22_30542390
chr4	1.74E+08	173518753	+	4.594E-23	1.4841E-21	0.367375	hyper	sig	chr4_173518753
chr12	1644347	1644347	+	4.595E-23	1.4843E-21	0.316348	hyper	sig	chr12_1644347
chr17	45430120	45430120	+	4.597E-23	1.4851E-21	0.405734	hyper	sig	chr17_45430120
chr17	64778983	64778983	+	4.601E-23	1.4864E-21	0.325458	hyper	sig	chr17_64778983
chr2	2.41E+08	240520085	+	4.617E-23	1.4914E-21	0.395733	hyper	sig	chr2_240520085
chr17	77377316	77377316	+	4.621E-23	1.4928E-21	0.327042	hyper	sig	chr17_77377316
chr20	52104646	52104646	+	4.64E-23	1.4987E-21	0.418496	hyper	sig	chr20_52104646
chr5	45695199	45695199	+	4.641E-23	1.4989E-21	0.361139	hyper	sig	chr5_45695199
chr11	71610453	71610453	+	4.644E-23	1.5E-21	-0.30262	hypo	sig	chr11_71610453
chr17	82715795	82715795	+	4.654E-23	1.503E-21	-0.25501	hypo	sig	chr17_82715795
chr5	1640063	1640063	+	4.659E-23	1.5046E-21	-0.25544	hypo	sig	chr5_1640063
chr1	1040231	1040231	+	4.663E-23	1.5058E-21	0.260684	hyper	sig	chr1_1040231
chr6	77463023	77463023	+	4.668E-23	1.5073E-21	0.274703	hyper	sig	chr6_77463023
chr16	62036336	62036336	+	4.671E-23	1.5084E-21	0.289992	hyper	sig	chr16_62036336
chr19	19745022	19745022	+	4.673E-23	1.509E-21	-0.29037	hypo	sig	chr19_19745022
chr5	1.41E+08	141051481	+	4.683E-23	1.5121E-21	0.282629	hyper	sig	chr5_141051481
chr5	3599566	3599566	+	4.69E-23	1.5144E-21	0.380888	hyper	sig	chr5_3599566
chr19	2817360	2817360	+	4.693E-23	1.5151E-21	0.275212	hyper	sig	chr19_2817360
chr15	95169816	95169816	+	4.697E-23	1.5164E-21	0.292527	hyper	sig	chr15_95169816
chr2	554372	554372	+	4.703E-23	1.5182E-21	-0.29878	hypo	sig	chr2_554372
chr10	23173355	23173355	+	4.706E-23	1.5192E-21	0.380058	hyper	sig	chr10_23173355
chr17	81481914	81481914	+	4.707E-23	1.5195E-21	0.233856	hyper	sig	chr17_81481914
chr13	1.12E+08	112231534	+	4.712E-23	1.5209E-21	-0.33483	hypo	sig	chr13_112231534
chr12	1.3E+08	130017986	+	4.713E-23	1.5213E-21	0.260123	hyper	sig	chr12_130017986
chr16	509288	509288	+	4.715E-23	1.5218E-21	-0.34364	hypo	sig	chr16_509288
chr16	86388315	86388315	+	4.722E-23	1.5241E-21	-0.29717	hypo	sig	chr16_86388315
chr2	73203518	73203518	+	4.73E-23	1.5266E-21	0.255913	hyper	sig	chr2_73203518
chr4	1.13E+08	112701860	+	4.734E-23	1.5278E-21	-0.27867	hypo	sig	chr4_112701860
chr16	1109805	1109805	+	4.736E-23	1.5285E-21	-0.20596	hypo	sig	chr16_1109805
chr10	22345349	22345349	+	4.738E-23	1.5288E-21	0.298458	hyper	sig	chr10_22345349
chr10	1.01E+08	101227617	+	4.739E-23	1.5291E-21	0.232761	hyper	sig	chr10_101227617
chr5	1.55E+08	154631916	+	4.739E-23	1.5291E-21	-0.37046	hypo	sig	chr5_154631916

chr6	27050297	27050297	+	4.744E-23	1.5308E-21	0.314693	hyper	sig	chr6_27050297
chr17	81517457	81517457	+	4.748E-23	1.5318E-21	0.30132	hyper	sig	chr17_81517457
chr6	1.66E+08	165661534	+	4.753E-23	1.5334E-21	0.307693	hyper	sig	chr6_165661534
chr17	64778955	64778955	+	4.756E-23	1.5344E-21	0.305648	hyper	sig	chr17_64778955
chr10	1.23E+08	123134576	+	4.766E-23	1.5375E-21	0.245743	hyper	sig	chr10_123134576
chr2	27891537	27891537	+	4.766E-23	1.5375E-21	-0.25034	hypo	sig	chr2_27891537
chr6	28810835	28810835	+	4.766E-23	1.5375E-21	0.255946	hyper	sig	chr6_28810835
chr6	30127564	30127564	+	4.766E-23	1.5375E-21	0.298391	hyper	sig	chr6_30127564
chr15	47184797	47184797	+	4.768E-23	1.538E-21	0.261068	hyper	sig	chr15_47184797
chr7	1.5E+08	150047247	+	4.782E-23	1.5424E-21	0.302887	hyper	sig	chr7_150047247
chr14	36655145	36655145	+	4.786E-23	1.5438E-21	0.259563	hyper	sig	chr14_36655145
chr4	1.9E+08	190018068	+	4.792E-23	1.5454E-21	0.26493	hyper	sig	chr4_190018068
chr8	11709725	11709725	+	4.792E-23	1.5454E-21	0.348112	hyper	sig	chr8_11709725
chr1	2E+08	200035631	+	4.797E-23	1.547E-21	0.284313	hyper	sig	chr1_200035631
chr19	4890958	4890958	+	4.797E-23	1.547E-21	-0.3097	hypo	sig	chr19_4890958
chr8	20253346	20253346	+	4.799E-23	1.5475E-21	-0.32208	hypo	sig	chr8_20253346
chr16	54940065	54940065	+	4.8E-23	1.5479E-21	0.31326	hyper	sig	chr16_54940065
chr6	2842374	2842374	+	4.802E-23	1.5485E-21	-0.39486	hypo	sig	chr6_2842374
chr14	1.01E+08	101060700	+	4.812E-23	1.5517E-21	-0.29374	hypo	sig	chr14_101060700
chr11	19715122	19715122	+	4.82E-23	1.5539E-21	0.290851	hyper	sig	chr11_19715122
chr13	27919267	27919267	+	4.821E-23	1.5542E-21	0.366612	hyper	sig	chr13_27919267
chr12	52601476	52601476	+	4.822E-23	1.5547E-21	0.343312	hyper	sig	chr12_52601476
chr8	71844666	71844666	+	4.829E-23	1.5566E-21	0.318205	hyper	sig	chr8_71844666
chr6	32058070	32058070	+	4.834E-23	1.5582E-21	-0.33939	hypo	sig	chr6_32058070
chr16	30115274	30115274	+	4.842E-23	1.5607E-21	-0.30736	hypo	sig	chr16_30115274
chr7	94394976	94394976	+	4.849E-23	1.5628E-21	0.291912	hyper	sig	chr7_94394976
chr2	66582148	66582148	+	4.849E-23	1.5629E-21	0.278304	hyper	sig	chr2_66582148
chr6	10494990	10494990	+	4.85E-23	1.5632E-21	-0.31423	hypo	sig	chr6_10494990
chr17	35490243	35490243	+	4.852E-23	1.5637E-21	0.353294	hyper	sig	chr17_35490243
chr3	1.58E+08	158094974	+	4.853E-23	1.564E-21	0.315915	hyper	sig	chr3_158094974
chr11	624658	624658	+	4.86E-23	1.566E-21	-0.30173	hypo	sig	chr11_624658
chr1	1.52E+08	151514073	+	4.861E-23	1.5664E-21	-0.32921	hypo	sig	chr1_151514073
chr20	3663606	3663606	+	4.866E-23	1.5679E-21	-0.31358	hypo	sig	chr20_3663606
chr13	99971918	99971918	+	4.879E-23	1.572E-21	0.421346	hyper	sig	chr13_99971918
chr11	69382516	69382516	+	4.881E-23	1.5728E-21	-0.30318	hypo	sig	chr11_69382516
chr10	75405239	75405239	+	4.886E-23	1.5742E-21	-0.31297	hypo	sig	chr10_75405239
chr6	99607106	99607106	+	4.891E-23	1.5758E-21	0.239803	hyper	sig	chr6_99607106
chr6	36291354	36291354	+	4.899E-23	1.5782E-21	-0.31516	hypo	sig	chr6_36291354
chr12	49636826	49636826	+	4.906E-23	1.5806E-21	0.347184	hyper	sig	chr12_49636826
chr1	5733787	5733787	+	4.91E-23	1.5816E-21	-0.32367	hypo	sig	chr1_5733787
chr13	1.01E+08	101416638	+	4.911E-23	1.5821E-21	0.321514	hyper	sig	chr13_101416638
chr2	1.87E+08	186849182	+	4.919E-23	1.5844E-21	0.248566	hyper	sig	chr2_186849182
chr6	28810466	28810466	+	4.921E-23	1.5851E-21	0.298761	hyper	sig	chr6_28810466
chr6	27312219	27312219	+	4.929E-23	1.5877E-21	0.245738	hyper	sig	chr6_27312219
chr16	85098767	85098767	+	4.93E-23	1.5879E-21	-0.24345	hypo	sig	chr16_85098767
chr14	41605376	41605376	+	4.931E-23	1.588E-21	0.209142	hyper	sig	chr14_41605376
chr11	49433662	49433662	+	4.935E-23	1.5894E-21	-0.28114	hypo	sig	chr11_49433662
chr13	95552930	95552930	+	4.936E-23	1.5896E-21	0.43115	hyper	sig	chr13_95552930
chr19	58118638	58118638	+	4.938E-23	1.5901E-21	0.357264	hyper	sig	chr19_58118638
chr20	21516046	21516046	+	4.938E-23	1.5902E-21	0.237874	hyper	sig	chr20_21516046
chr16	19889189	19889189	+	4.94E-23	1.5906E-21	-0.3256	hypo	sig	chr16_19889189
chr20	25081134	25081134	+	4.945E-23	1.5923E-21	0.385104	hyper	sig	chr20_25081134
chr17	76917286	76917286	+	4.948E-23	1.5932E-21	-0.3154	hypo	sig	chr17_76917286
chr5	1.29E+08	128538006	+	4.954E-23	1.5951E-21	0.330522	hyper	sig	chr5_128538006
chr10	1.3E+08	129963080	+	4.965E-23	1.5986E-21	0.209943	hyper	sig	chr10_129963080
chr5	73420134	73420134	+	4.966E-23	1.5988E-21	0.253155	hyper	sig	chr5_73420134

chr17	48734190	48734190	+	4.967E-23	1.5989E-21	0.218251	hyper	sig	chr17_48734190
chr16	84795027	84795027	+	4.968E-23	1.5992E-21	0.265448	hyper	sig	chr16_84795027
chr2	44928695	44928695	+	4.969E-23	1.5994E-21	0.306636	hyper	sig	chr2_44928695
chr12	94186927	94186927	+	4.97E-23	1.5996E-21	0.279003	hyper	sig	chr12_94186927
chr5	1.81E+08	180609399	+	4.97E-23	1.5996E-21	-0.31304	hypo	sig	chr5_180609399
chr9	1.3E+08	129669349	+	4.982E-23	1.6036E-21	-0.22621	hypo	sig	chr9_129669349
chr16	89048224	89048224	+	4.985E-23	1.6045E-21	0.249131	hyper	sig	chr16_89048224
chr2	1.83E+08	182867092	+	4.987E-23	1.605E-21	0.26918	hyper	sig	chr2_182867092
chr16	85985330	85985330	+	4.996E-23	1.6077E-21	-0.26635	hypo	sig	chr16_85985330
chr22	44172862	44172862	+	4.998E-23	1.6084E-21	-0.26045	hypo	sig	chr22_44172862
chr9	35676224	35676224	+	4.998E-23	1.6085E-21	0.314355	hyper	sig	chr9_35676224
chr3	1.58E+08	158102865	+	4.999E-23	1.6086E-21	0.334363	hyper	sig	chr3_158102865
chr14	64703525	64703525	+	4.999E-23	1.6087E-21	-0.34533	hypo	sig	chr14_64703525
chr12	1.32E+08	132374637	+	5.001E-23	1.609E-21	-0.36039	hypo	sig	chr12_132374637
chr2	1.1E+08	110114125	+	5.01E-23	1.6118E-21	-0.37692	hypo	sig	chr2_110114125
chr19	18220344	18220344	+	5.014E-23	1.6132E-21	-0.29741	hypo	sig	chr19_18220344
chr2	2.36E+08	236236794	+	5.028E-23	1.6175E-21	0.267319	hyper	sig	chr2_236236794
chr2	1.19E+08	118849803	+	5.029E-23	1.6177E-21	0.300888	hyper	sig	chr2_118849803
chr8	1958146	1958146	+	5.046E-23	1.6231E-21	0.306469	hyper	sig	chr8_1958146
chr5	77638868	77638868	+	5.05E-23	1.6242E-21	0.282009	hyper	sig	chr5_77638868
chr6	1.51E+08	151239876	+	5.057E-23	1.6264E-21	0.269131	hyper	sig	chr6_151239876
chr11	65047525	65047525	+	5.062E-23	1.628E-21	0.362703	hyper	sig	chr11_65047525
chr2	6281807	6281807	+	5.066E-23	1.6294E-21	-0.39286	hypo	sig	chr2_6281807
chr11	10309498	10309498	+	5.069E-23	1.6303E-21	-0.28118	hypo	sig	chr11_10309498
chr1	18632832	18632832	+	5.071E-23	1.6306E-21	0.306294	hyper	sig	chr1_18632832
chr13	25095919	25095919	+	5.071E-23	1.6306E-21	0.296841	hyper	sig	chr13_25095919
chr17	6714240	6714240	+	5.071E-23	1.6306E-21	0.311897	hyper	sig	chr17_6714240
chr10	1.3E+08	129968148	+	5.077E-23	1.6326E-21	0.305798	hyper	sig	chr10_129968148
chr7	1.5E+08	150220213	+	5.079E-23	1.6332E-21	0.356267	hyper	sig	chr7_150220213
chr8	1.44E+08	143937893	+	5.085E-23	1.6349E-21	-0.25762	hypo	sig	chr8_143937893
chr16	86567505	86567505	+	5.091E-23	1.6369E-21	0.22642	hyper	sig	chr16_86567505
chr1	9654247	9654247	+	5.093E-23	1.6372E-21	-0.34023	hypo	sig	chr1_9654247
chr11	15073983	15073983	+	5.098E-23	1.639E-21	0.243442	hyper	sig	chr11_15073983
chr17	59333351	59333351	+	5.102E-23	1.64E-21	0.292395	hyper	sig	chr17_59333351
chr4	1.56E+08	155760216	+	5.102E-23	1.64E-21	0.224708	hyper	sig	chr4_155760216
chr2	1.06E+08	106342795	+	5.105E-23	1.6409E-21	-0.32808	hypo	sig	chr2_106342795
chr22	39999360	39999360	+	5.109E-23	1.6422E-21	-0.31122	hypo	sig	chr22_39999360
chr4	82268488	82268488	+	5.117E-23	1.6445E-21	-0.29236	hypo	sig	chr4_82268488
chr2	2.39E+08	238523713	+	5.12E-23	1.6454E-21	0.339266	hyper	sig	chr2_238523713
chr19	755197	755197	+	5.152E-23	1.6554E-21	-0.28262	hypo	sig	chr19_755197
chr7	96993334	96993334	+	5.155E-23	1.6565E-21	0.27138	hyper	sig	chr7_96993334
chr10	27320357	27320357	+	5.16E-23	1.658E-21	-0.27149	hypo	sig	chr10_27320357
chr19	36331844	36331844	+	5.162E-23	1.6584E-21	0.20853	hyper	sig	chr19_36331844
chr19	38975325	38975325	+	5.166E-23	1.6596E-21	0.230049	hyper	sig	chr19_38975325
chr10	1.33E+08	132921119	+	5.168E-23	1.6603E-21	-0.31247	hypo	sig	chr10_132921119
chr3	1.35E+08	134651227	+	5.168E-23	1.6603E-21	0.262571	hyper	sig	chr3_134651227
chr6	1.49E+08	148744994	+	5.179E-23	1.6636E-21	-0.23203	hypo	sig	chr6_148744994
chr11	67650820	67650820	+	5.179E-23	1.6638E-21	-0.21138	hypo	sig	chr11_67650820
chr5	3607009	3607009	+	5.179E-23	1.6638E-21	0.337118	hyper	sig	chr5_3607009
chr7	2680760	2680760	+	5.182E-23	1.6645E-21	-0.34231	hypo	sig	chr7_2680760
chr3	1.5E+08	149657193	+	5.183E-23	1.6647E-21	0.352047	hyper	sig	chr3_149657193
chr1	1.19E+08	118985251	+	5.183E-23	1.6648E-21	0.315418	hyper	sig	chr1_118985251
chr10	1.01E+08	101218317	+	5.189E-23	1.6666E-21	0.26675	hyper	sig	chr10_101218317
chr14	37597668	37597668	+	5.19E-23	1.6666E-21	0.201379	hyper	sig	chr14_37597668
chr16	73065024	73065024	+	5.189E-23	1.6666E-21	-0.29124	hypo	sig	chr16_73065024
chr4	1.33E+08	133151798	+	5.194E-23	1.6681E-21	0.337262	hyper	sig	chr4_133151798

chr2	9820460	9820460	+	5.2E-23	1.6699E-21	-0.29449	hypo	sig	chr2_9820460
chr3	1.92E+08	192410204	+	5.203E-23	1.6709E-21	0.423448	hyper	sig	chr3_192410204
chr5	1.41E+08	141351868	+	5.208E-23	1.6723E-21	0.3152	hyper	sig	chr5_141351868
chr9	1.37E+08	137294021	+	5.213E-23	1.6739E-21	-0.33109	hypo	sig	chr9_137294021
chr10	43573918	43573918	+	5.217E-23	1.6752E-21	0.307147	hyper	sig	chr10_43573918
chr8	71558935	71558935	+	5.23E-23	1.6791E-21	0.314218	hyper	sig	chr8_71558935
chr1	939278	939278	+	5.237E-23	1.6815E-21	-0.36303	hypo	sig	chr1_939278
chr1	16521052	16521052	+	5.244E-23	1.6834E-21	0.378797	hyper	sig	chr1_16521052
chr15	55588799	55588799	+	5.244E-23	1.6834E-21	0.201842	hyper	sig	chr15_55588799
chr1	8211978	8211978	+	5.245E-23	1.6838E-21	-0.30905	hypo	sig	chr1_8211978
chr16	474778	474778	+	5.246E-23	1.6839E-21	-0.25073	hypo	sig	chr16_474778
chr5	1.29E+08	128537725	+	5.246E-23	1.6839E-21	0.230141	hyper	sig	chr5_128537725
chr20	34862255	34862255	+	5.248E-23	1.6843E-21	-0.2256	hypo	sig	chr20_34862255
chr2	2.41E+08	240896045	+	5.254E-23	1.6864E-21	-0.32445	hypo	sig	chr2_240896045
chr3	1.25E+08	125357051	+	5.259E-23	1.6879E-21	0.363872	hyper	sig	chr3_125357051
chr14	36517158	36517158	+	5.261E-23	1.6884E-21	0.282127	hyper	sig	chr14_36517158
chr19	4531693	4531693	+	5.265E-23	1.6896E-21	-0.22223	hypo	sig	chr19_4531693
chr5	1.5E+08	150303313	+	5.269E-23	1.6908E-21	0.351154	hyper	sig	chr5_150303313
chr16	51150975	51150975	+	5.271E-23	1.6916E-21	0.426257	hyper	sig	chr16_51150975
chr11	69099295	69099295	+	5.272E-23	1.6916E-21	-0.33758	hypo	sig	chr11_69099295
chr11	27699572	27699572	+	5.273E-23	1.692E-21	0.203352	hyper	sig	chr11_27699572
chr7	54542337	54542337	+	5.275E-23	1.6924E-21	0.350432	hyper	sig	chr7_54542337
chr13	28533011	28533011	+	5.278E-23	1.6932E-21	0.297152	hyper	sig	chr13_28533011
chr16	10180570	10180570	+	5.298E-23	1.6998E-21	0.323603	hyper	sig	chr16_10180570
chr2	2.08E+08	207767729	+	5.3E-23	1.7002E-21	-0.30231	hypo	sig	chr2_207767729
chr6	84767190	84767190	+	5.3E-23	1.7002E-21	0.337772	hyper	sig	chr6_84767190
chr8	1.41E+08	141207262	+	5.301E-23	1.7003E-21	-0.35606	hypo	sig	chr8_141207262
chr9	1.19E+08	119369825	+	5.31E-23	1.7032E-21	0.323484	hyper	sig	chr9_119369825
chr5	1103253	1103253	+	5.311E-23	1.7035E-21	0.269481	hyper	sig	chr5_1103253
chr7	1.28E+08	128032211	+	5.319E-23	1.706E-21	0.31078	hyper	sig	chr7_128032211
chr8	9324798	9324798	+	5.33E-23	1.7095E-21	-0.28282	hypo	sig	chr8_9324798
chr11	69001411	69001411	+	5.332E-23	1.7099E-21	0.35903	hyper	sig	chr11_69001411
chr20	44355885	44355885	+	5.339E-23	1.7122E-21	-0.35361	hypo	sig	chr20_44355885
chr12	1.04E+08	104050118	+	5.344E-23	1.7138E-21	0.241566	hyper	sig	chr12_104050118
chr21	33025454	33025454	+	5.351E-23	1.716E-21	0.32947	hyper	sig	chr21_33025454
chr12	1.31E+08	130917502	+	5.353E-23	1.7163E-21	-0.27551	hypo	sig	chr12_130917502
chr14	41609698	41609698	+	5.353E-23	1.7164E-21	0.315568	hyper	sig	chr14_41609698
chr12	1.07E+08	106585515	+	5.353E-23	1.7165E-21	0.338021	hyper	sig	chr12_106585515
chr14	76381738	76381738	+	5.355E-23	1.717E-21	-0.33351	hypo	sig	chr14_76381738
chr14	85532110	85532110	+	5.357E-23	1.7175E-21	0.242746	hyper	sig	chr14_85532110
chr17	79952179	79952179	+	5.359E-23	1.718E-21	0.362266	hyper	sig	chr17_79952179
chr13	77918543	77918543	+	5.363E-23	1.7191E-21	0.290429	hyper	sig	chr13_77918543
chr14	94774190	94774190	+	5.364E-23	1.7195E-21	0.325154	hyper	sig	chr14_94774190
chr2	21044241	21044241	+	5.365E-23	1.7198E-21	-0.30427	hypo	sig	chr2_21044241
chr10	79240086	79240086	+	5.369E-23	1.7211E-21	0.319015	hyper	sig	chr10_79240086
chr2	2.22E+08	222302681	+	5.37E-23	1.7211E-21	0.207811	hyper	sig	chr2_222302681
chr1	2.29E+08	229434441	+	5.371E-23	1.7214E-21	0.319785	hyper	sig	chr1_229434441
chr4	10114891	10114891	+	5.373E-23	1.722E-21	0.273038	hyper	sig	chr4_10114891
chr21	44654937	44654937	+	5.375E-23	1.7227E-21	-0.26774	hypo	sig	chr21_44654937
chr1	24931829	24931829	+	5.381E-23	1.7244E-21	0.362893	hyper	sig	chr1_24931829
chr11	1.12E+08	111540235	+	5.39E-23	1.7272E-21	0.329207	hyper	sig	chr11_111540235
chr9	1.22E+08	121598836	+	5.39E-23	1.7272E-21	0.294597	hyper	sig	chr9_121598836
chr3	1.95E+08	195105717	+	5.393E-23	1.728E-21	-0.27874	hypo	sig	chr3_195105717
chr17	887436	887436	+	5.397E-23	1.7292E-21	0.273329	hyper	sig	chr17_887436
chr10	13890999	13890999	+	5.399E-23	1.7299E-21	0.246816	hyper	sig	chr10_13890999
chr20	56926045	56926045	+	5.4E-23	1.7302E-21	0.213416	hyper	sig	chr20_56926045

chr3	1.97E+08	196978779	+	5.401E-23	1.7305E-21	0.284776	hyper	sig	chr3_196978779
chr3	38030073	38030073	+	5.408E-23	1.7326E-21	0.265614	hyper	sig	chr3_38030073
chr2	26726846	26726846	+	5.411E-23	1.7336E-21	-0.28401	hypo	sig	chr2_26726846
chr6	42710576	42710576	+	5.415E-23	1.7347E-21	0.377528	hyper	sig	chr6_42710576
chr1	3140191	3140191	+	5.416E-23	1.7351E-21	0.326117	hyper	sig	chr1_3140191
chr7	1.42E+08	141696101	+	5.422E-23	1.7366E-21	-0.30424	hypo	sig	chr7_141696101
chr20	25083674	25083674	+	5.422E-23	1.7368E-21	0.359393	hyper	sig	chr20_25083674
chr16	7304722	7304722	+	5.43E-23	1.7392E-21	0.28815	hyper	sig	chr16_7304722
chr10	73413028	73413028	+	5.438E-23	1.7417E-21	-0.2043	hypo	sig	chr10_73413028
chr13	23904451	23904451	+	5.438E-23	1.7417E-21	-0.41075	hypo	sig	chr13_23904451
chr3	1.84E+08	184491622	+	5.441E-23	1.7425E-21	0.300148	hyper	sig	chr3_184491622
chr1	2.26E+08	225920195	+	5.454E-23	1.7466E-21	0.407743	hyper	sig	chr1_225920195
chr15	59995049	59995049	+	5.456E-23	1.7472E-21	0.300652	hyper	sig	chr15_59995049
chr12	1.17E+08	117033221	+	5.456E-23	1.7472E-21	0.344462	hyper	sig	chr12_117033221
chr4	80267251	80267251	+	5.466E-23	1.7504E-21	0.249984	hyper	sig	chr4_80267251
chr10	69573281	69573281	+	5.467E-23	1.7507E-21	0.267822	hyper	sig	chr10_69573281
chr2	1.19E+08	119158248	+	5.47E-23	1.7513E-21	0.346316	hyper	sig	chr2_119158248
chr6	98835936	98835936	+	5.505E-23	1.7626E-21	0.298247	hyper	sig	chr6_98835936
chr1	3217343	3217343	+	5.515E-23	1.7657E-21	0.387715	hyper	sig	chr1_3217343
chr5	1.56E+08	155729311	+	5.515E-23	1.7657E-21	0.278871	hyper	sig	chr5_155729311
chr12	1.33E+08	132908267	+	5.517E-23	1.7661E-21	0.227147	hyper	sig	chr12_132908267
chr7	1.58E+08	157792563	+	5.517E-23	1.7661E-21	-0.28465	hypo	sig	chr7_157792563
chr11	61148158	61148158	+	5.52E-23	1.767E-21	0.254807	hyper	sig	chr11_61148158
chr3	27730213	27730213	+	5.524E-23	1.7683E-21	0.213891	hyper	sig	chr3_27730213
chr5	55220629	55220629	+	5.525E-23	1.7685E-21	0.219526	hyper	sig	chr5_55220629
chr5	1.41E+08	141387740	+	5.529E-23	1.7696E-21	0.297903	hyper	sig	chr5_141387740
chr11	2140676	2140676	+	5.538E-23	1.7724E-21	0.313197	hyper	sig	chr11_2140676
chr7	63573049	63573049	+	5.546E-23	1.7749E-21	-0.30434	hypo	sig	chr7_63573049
chr17	79711826	79711826	+	5.547E-23	1.7753E-21	-0.40641	hypo	sig	chr17_79711826
chr21	36298273	36298273	+	5.548E-23	1.7754E-21	-0.28527	hypo	sig	chr21_36298273
chr16	55656649	55656649	+	5.554E-23	1.7774E-21	0.300909	hyper	sig	chr16_55656649
chr11	5947571	5947571	+	5.563E-23	1.78E-21	-0.38122	hypo	sig	chr11_5947571
chr19	3881223	3881223	+	5.563E-23	1.78E-21	0.303954	hyper	sig	chr19_3881223
chr7	1.55E+08	155465558	+	5.565E-23	1.7808E-21	0.339071	hyper	sig	chr7_155465558
chr1	44220308	44220308	+	5.566E-23	1.7808E-21	0.244935	hyper	sig	chr1_44220308
chr3	46576854	46576854	+	5.569E-23	1.7819E-21	0.349822	hyper	sig	chr3_46576854
chr19	52453369	52453369	+	5.578E-23	1.7847E-21	0.322761	hyper	sig	chr19_52453369
chr17	82882913	82882913	+	5.583E-23	1.786E-21	-0.32928	hypo	sig	chr17_82882913
chr2	23617893	23617893	+	5.586E-23	1.7871E-21	0.381584	hyper	sig	chr2_23617893
chr1	1.68E+08	168121762	+	5.594E-23	1.7895E-21	0.318174	hyper	sig	chr1_168121762
chr16	67165604	67165604	+	5.599E-23	1.7911E-21	0.342574	hyper	sig	chr16_67165604
chr2	2.02E+08	202035630	+	5.599E-23	1.7911E-21	0.320469	hyper	sig	chr2_202035630
chr3	23741337	23741337	+	5.616E-23	1.7964E-21	-0.30758	hypo	sig	chr3_23741337
chr11	32431225	32431225	+	5.621E-23	1.7979E-21	0.216904	hyper	sig	chr11_32431225
chr17	6894378	6894378	+	5.628E-23	1.8001E-21	0.273914	hyper	sig	chr17_6894378
chr14	74240670	74240670	+	5.629E-23	1.8001E-21	0.326019	hyper	sig	chr14_74240670
chr20	63970390	63970390	+	5.635E-23	1.8021E-21	0.26465	hyper	sig	chr20_63970390
chr19	58581247	58581247	+	5.638E-23	1.803E-21	0.276063	hyper	sig	chr19_58581247
chr4	4862743	4862743	+	5.641E-23	1.8038E-21	0.349147	hyper	sig	chr4_4862743
chr16	3189242	3189242	+	5.65E-23	1.8067E-21	0.285346	hyper	sig	chr16_3189242
chr20	21713856	21713856	+	5.652E-23	1.8072E-21	0.302764	hyper	sig	chr20_21713856
chr8	48735198	48735198	+	5.657E-23	1.8087E-21	0.27513	hyper	sig	chr8_48735198
chr19	17980413	17980413	+	5.659E-23	1.8093E-21	-0.35584	hypo	sig	chr19_17980413
chr20	40690686	40690686	+	5.67E-23	1.8126E-21	0.230875	hyper	sig	chr20_40690686
chr3	68932869	68932869	+	5.67E-23	1.8126E-21	0.298321	hyper	sig	chr3_68932869
chr16	29218947	29218947	+	5.671E-23	1.8128E-21	-0.36543	hypo	sig	chr16_29218947

chr12	1.32E+08	132446400	+	5.686E-23	1.8178E-21	-0.28194	hypo	sig	chr12_132446400
chr11	32428314	32428314	+	5.691E-23	1.8191E-21	0.306387	hyper	sig	chr11_32428314
chr1	2206292	2206292	+	5.7E-23	1.8221E-21	-0.3512	hypo	sig	chr1_2206292
chr1	37947024	37947024	+	5.701E-23	1.8222E-21	0.20844	hyper	sig	chr1_37947024
chr4	30721668	30721668	+	5.72E-23	1.8282E-21	0.283489	hyper	sig	chr4_30721668
chr22	46685892	46685892	+	5.727E-23	1.8302E-21	-0.29872	hypo	sig	chr22_46685892
chr7	1.51E+08	151125900	+	5.729E-23	1.8309E-21	0.421361	hyper	sig	chr7_151125900
chr20	38807129	38807129	+	5.729E-23	1.8309E-21	0.291748	hyper	sig	chr20_38807129
chr13	1.11E+08	111317679	+	5.735E-23	1.8328E-21	0.203478	hyper	sig	chr13_111317679
chr14	67541900	67541900	+	5.738E-23	1.8335E-21	-0.31561	hypo	sig	chr14_67541900
chr5	5886741	5886741	+	5.747E-23	1.8365E-21	-0.34614	hypo	sig	chr5_5886741
chr3	55489787	55489787	+	5.756E-23	1.8391E-21	-0.26944	hypo	sig	chr3_55489787
chr17	35487800	35487800	+	5.756E-23	1.8392E-21	0.232606	hyper	sig	chr17_35487800
chr10	1.31E+08	131310776	+	5.762E-23	1.8408E-21	0.31489	hyper	sig	chr10_131310776
chr16	88898383	88898383	+	5.763E-23	1.8412E-21	-0.33571	hypo	sig	chr16_88898383
chr6	30685972	30685972	+	5.763E-23	1.8412E-21	0.267183	hyper	sig	chr6_30685972
chr12	52116078	52116078	+	5.771E-23	1.8438E-21	-0.26741	hypo	sig	chr12_52116078
chr11	1.2E+08	120124979	+	5.772E-23	1.8439E-21	-0.24867	hypo	sig	chr11_120124979
chr1	9652547	9652547	+	5.776E-23	1.845E-21	0.241342	hyper	sig	chr1_9652547
chr14	55241129	55241129	+	5.777E-23	1.8454E-21	0.397221	hyper	sig	chr14_55241129
chr1	1942030	1942030	+	5.779E-23	1.846E-21	-0.36487	hypo	sig	chr1_1942030
chr6	1.37E+08	137495894	+	5.78E-23	1.846E-21	0.300098	hyper	sig	chr6_137495894
chr2	2.19E+08	218992104	+	5.785E-23	1.8478E-21	0.331765	hyper	sig	chr2_218992104
chr10	1736400	1736400	+	5.786E-23	1.8479E-21	0.248285	hyper	sig	chr10_1736400
chr3	1.38E+08	137771821	+	5.789E-23	1.8488E-21	0.241726	hyper	sig	chr3_137771821
chr2	2.39E+08	239247488	+	5.794E-23	1.8503E-21	-0.30229	hypo	sig	chr2_239247488
chr1	98046298	98046298	+	5.802E-23	1.8529E-21	0.243605	hyper	sig	chr1_98046298
chr5	1.41E+08	141403226	+	5.805E-23	1.8535E-21	0.290707	hyper	sig	chr5_141403226
chr9	1.34E+08	133918270	+	5.804E-23	1.8535E-21	0.356972	hyper	sig	chr9_133918270
chr11	1.29E+08	128693132	+	5.805E-23	1.8536E-21	0.20103	hyper	sig	chr11_128693132
chr5	1.41E+08	141476893	+	5.809E-23	1.8549E-21	0.222274	hyper	sig	chr5_141476893
chr3	5092474	5092474	+	5.813E-23	1.8561E-21	-0.29354	hypo	sig	chr3_5092474
chr20	34546967	34546967	+	5.814E-23	1.8564E-21	-0.36764	hypo	sig	chr20_34546967
chr1	10663117	10663117	+	5.815E-23	1.8566E-21	0.303479	hyper	sig	chr1_10663117
chr7	1.56E+08	155806347	+	5.817E-23	1.8569E-21	0.330757	hyper	sig	chr7_155806347
chr1	2943230	2943230	+	5.82E-23	1.8578E-21	-0.27468	hypo	sig	chr1_2943230
chr10	72010070	72010070	+	5.821E-23	1.8582E-21	0.326002	hyper	sig	chr10_72010070
chr9	1.31E+08	131274919	+	5.823E-23	1.8587E-21	-0.35499	hypo	sig	chr9_131274919
chr14	26204978	26204978	+	5.828E-23	1.8603E-21	0.301419	hyper	sig	chr14_26204978
chr13	1.12E+08	112055222	+	5.84E-23	1.8639E-21	0.317962	hyper	sig	chr13_112055222
chr19	45529568	45529568	+	5.846E-23	1.8657E-21	0.248213	hyper	sig	chr19_45529568
chr17	17588211	17588211	+	5.846E-23	1.8658E-21	0.244361	hyper	sig	chr17_17588211
chr1	27403325	27403325	+	5.849E-23	1.8667E-21	0.318037	hyper	sig	chr1_27403325
chr19	5037058	5037058	+	5.851E-23	1.8672E-21	0.267829	hyper	sig	chr19_5037058
chr8	48543702	48543702	+	5.859E-23	1.8696E-21	-0.31269	hypo	sig	chr8_48543702
chr11	1.11E+08	111284190	+	5.861E-23	1.8702E-21	-0.28806	hypo	sig	chr11_111284190
chr3	1.25E+08	125142048	+	5.869E-23	1.8726E-21	0.262661	hyper	sig	chr3_125142048
chr15	28097047	28097047	+	5.876E-23	1.8749E-21	0.225076	hyper	sig	chr15_28097047
chr16	86565227	86565227	+	5.883E-23	1.877E-21	0.245707	hyper	sig	chr16_86565227
chr15	79091428	79091428	+	5.888E-23	1.8785E-21	0.268292	hyper	sig	chr15_79091428
chr10	79171348	79171348	+	5.888E-23	1.8785E-21	0.244916	hyper	sig	chr10_79171348
chr4	41881109	41881109	+	5.889E-23	1.8787E-21	0.334167	hyper	sig	chr4_41881109
chr5	1.69E+08	169301534	+	5.889E-23	1.8787E-21	0.284431	hyper	sig	chr5_169301534
chr6	44234903	44234903	+	5.889E-23	1.8787E-21	0.302723	hyper	sig	chr6_44234903
chr1	2.28E+08	228324342	+	5.891E-23	1.8791E-21	-0.3304	hypo	sig	chr1_228324342
chr19	58098473	58098473	+	5.893E-23	1.8798E-21	0.24693	hyper	sig	chr19_58098473

chr11	32426489	32426489	+	5.894E-23	1.8798E-21	0.359412	hyper	sig	chr11_32426489
chr13	36297836	36297836	+	5.916E-23	1.8869E-21	0.290911	hyper	sig	chr13_36297836
chr14	37585525	37585525	+	5.918E-23	1.8873E-21	0.287047	hyper	sig	chr14_37585525
chr1	1.54E+08	153565969	+	5.92E-23	1.888E-21	-0.35375	hypo	sig	chr1_153565969
chr2	2.42E+08	242011667	+	5.925E-23	1.8896E-21	-0.22276	hypo	sig	chr2_242011667
chr12	1.19E+08	118980974	+	5.933E-23	1.892E-21	0.35938	hyper	sig	chr12_118980974
chr19	53132824	53132824	+	5.934E-23	1.8922E-21	0.267047	hyper	sig	chr19_53132824
chr7	1753266	1753266	+	5.936E-23	1.8929E-21	-0.38445	hypo	sig	chr7_1753266
chr14	99512175	99512175	+	5.947E-23	1.8962E-21	0.363897	hyper	sig	chr14_99512175
chr7	20776622	20776622	+	5.95E-23	1.8969E-21	0.287019	hyper	sig	chr7_20776622
chr19	44757747	44757747	+	5.956E-23	1.899E-21	0.345973	hyper	sig	chr19_44757747
chr20	664517	664517	+	5.957E-23	1.8993E-21	0.376757	hyper	sig	chr20_664517
chr3	1.92E+08	192408325	+	5.962E-23	1.9006E-21	0.298877	hyper	sig	chr3_192408325
chr1	12596062	12596062	+	5.969E-23	1.9028E-21	0.205585	hyper	sig	chr1_12596062
chr12	1.33E+08	132904766	+	5.972E-23	1.9037E-21	0.336441	hyper	sig	chr12_132904766
chr9	95086113	95086113	+	5.972E-23	1.9037E-21	0.3268	hyper	sig	chr9_95086113
chr7	1.57E+08	157468924	+	5.977E-23	1.9052E-21	-0.3492	hypo	sig	chr7_157468924
chr12	1.17E+08	117361587	+	5.982E-23	1.9068E-21	0.27257	hyper	sig	chr12_117361587
chr11	1.3E+08	129743765	+	5.983E-23	1.907E-21	-0.34345	hypo	sig	chr11_129743765
chr3	1.47E+08	147388888	+	5.984E-23	1.9073E-21	0.276474	hyper	sig	chr3_147388888
chr19	37251862	37251862	+	5.988E-23	1.9084E-21	0.325305	hyper	sig	chr19_37251862
chr6	1.17E+08	117263474	+	6.016E-23	1.9171E-21	0.303894	hyper	sig	chr6_117263474
chr1	44638231	44638231	+	6.016E-23	1.9171E-21	0.296022	hyper	sig	chr1_44638231
chr2	1.27E+08	126877257	+	6.019E-23	1.918E-21	-0.23818	hypo	sig	chr2_126877257
chr10	615862	615862	+	6.029E-23	1.9209E-21	0.279621	hyper	sig	chr10_615862
chr17	80919812	80919812	+	6.03E-23	1.9211E-21	0.25288	hyper	sig	chr17_80919812
chr5	1417565	1417565	+	6.038E-23	1.9237E-21	-0.40287	hypo	sig	chr5_1417565
chr16	85335468	85335468	+	6.055E-23	1.9292E-21	-0.36111	hypo	sig	chr16_85335468
chr1	2.25E+08	224624237	+	6.058E-23	1.93E-21	-0.28715	hypo	sig	chr1_224624237
chr4	1.54E+08	153789201	+	6.063E-23	1.9316E-21	0.315853	hyper	sig	chr4_153789201
chr11	624653	624653	+	6.073E-23	1.9345E-21	-0.29695	hypo	sig	chr11_624653
chr6	10881721	10881721	+	6.073E-23	1.9346E-21	0.263498	hyper	sig	chr6_10881721
chr19	15233375	15233375	+	6.077E-23	1.9358E-21	0.270637	hyper	sig	chr19_15233375
chr2	44933968	44933968	+	6.081E-23	1.9369E-21	0.384971	hyper	sig	chr2_44933968
chr13	1.13E+08	112638462	+	6.082E-23	1.9372E-21	-0.33459	hypo	sig	chr13_112638462
chr5	2727652	2727652	+	6.089E-23	1.9394E-21	0.290727	hyper	sig	chr5_2727652
chr14	1.01E+08	101460588	+	6.091E-23	1.9398E-21	-0.40562	hypo	sig	chr14_101460588
chr9	970605	970605	+	6.103E-23	1.9435E-21	0.292972	hyper	sig	chr9_970605
chr19	856145	856145	+	6.111E-23	1.9459E-21	-0.32863	hypo	sig	chr19_856145
chr6	96016259	96016259	+	6.112E-23	1.9462E-21	0.418794	hyper	sig	chr6_96016259
chr3	1.33E+08	133038878	+	6.112E-23	1.9463E-21	0.296222	hyper	sig	chr3_133038878
chr17	49496985	49496985	+	6.124E-23	1.95E-21	0.347931	hyper	sig	chr17_49496985
chr2	63056832	63056832	+	6.124E-23	1.95E-21	0.273386	hyper	sig	chr2_63056832
chr1	3291024	3291024	+	6.133E-23	1.9525E-21	-0.30949	hypo	sig	chr1_3291024
chr10	23173374	23173374	+	6.135E-23	1.9531E-21	0.389814	hyper	sig	chr10_23173374
chr1	90724448	90724448	+	6.146E-23	1.9565E-21	0.322066	hyper	sig	chr1_90724448
chr16	179501	179501	+	6.15E-23	1.9578E-21	-0.25701	hypo	sig	chr16_179501
chr3	1.54E+08	154428655	+	6.154E-23	1.9589E-21	0.283779	hyper	sig	chr3_154428655
chr9	37001114	37001114	+	6.157E-23	1.9598E-21	-0.26443	hypo	sig	chr9_37001114
chr19	2358668	2358668	+	6.157E-23	1.96E-21	-0.33888	hypo	sig	chr19_2358668
chr14	62117785	62117785	+	6.158E-23	1.9601E-21	0.253661	hyper	sig	chr14_62117785
chr20	21507545	21507545	+	6.162E-23	1.9611E-21	0.39174	hyper	sig	chr20_21507545
chr1	24931487	24931487	+	6.163E-23	1.9614E-21	0.374832	hyper	sig	chr1_24931487
chr8	1431708	1431708	+	6.165E-23	1.962E-21	-0.2606	hypo	sig	chr8_1431708
chr3	1.01E+08	100609869	+	6.168E-23	1.9628E-21	-0.4051	hypo	sig	chr3_100609869
chr10	49613625	49613625	+	6.169E-23	1.963E-21	0.337858	hyper	sig	chr10_49613625

chr1	1.1E+08	110069185	+	6.172E-23	1.9639E-21	0.210836	hyper	sig	chr1_110069185
chr6	32056840	32056840	+	6.174E-23	1.9645E-21	-0.25928	hypo	sig	chr6_32056840
chr7	1.59E+08	159037415	+	6.175E-23	1.9649E-21	-0.26157	hypo	sig	chr7_159037415
chr5	1.41E+08	141399627	+	6.19E-23	1.9695E-21	0.303511	hyper	sig	chr5_141399627
chr8	56445703	56445703	+	6.2E-23	1.9725E-21	0.303558	hyper	sig	chr8_56445703
chr7	69599815	69599815	+	6.203E-23	1.9732E-21	0.324606	hyper	sig	chr7_69599815
chr8	1.44E+08	144107689	+	6.203E-23	1.9733E-21	0.31476	hyper	sig	chr8_144107689
chr6	1.46E+08	146027765	+	6.211E-23	1.9757E-21	0.322428	hyper	sig	chr6_146027765
chr17	14303677	14303677	+	6.217E-23	1.9775E-21	0.31697	hyper	sig	chr17_14303677
chr4	4864320	4864320	+	6.221E-23	1.9787E-21	0.362707	hyper	sig	chr4_4864320
chr8	24915786	24915786	+	6.229E-23	1.9813E-21	0.254557	hyper	sig	chr8_24915786
chr8	32549382	32549382	+	6.237E-23	1.9836E-21	0.264541	hyper	sig	chr8_32549382
chr1	32754360	32754360	+	6.245E-23	1.9862E-21	0.286427	hyper	sig	chr1_32754360
chr8	1.43E+08	142510267	+	6.248E-23	1.9868E-21	0.349732	hyper	sig	chr8_142510267
chr13	1.12E+08	112106615	+	6.271E-23	1.9941E-21	0.269699	hyper	sig	chr13_112106615
chr1	1.53E+08	152760717	+	6.273E-23	1.9945E-21	-0.27331	hypo	sig	chr1_152760717
chr19	12195407	12195407	+	6.275E-23	1.9952E-21	0.291114	hyper	sig	chr19_12195407
chr8	92101601	92101601	+	6.283E-23	1.9978E-21	0.324044	hyper	sig	chr8_92101601
chr9	1.36E+08	136202813	+	6.288E-23	1.9991E-21	0.305512	hyper	sig	chr9_136202813
chr7	9620619	9620619	+	6.292E-23	2.0002E-21	-0.36159	hypo	sig	chr7_9620619
chr16	54936599	54936599	+	6.293E-23	2.0007E-21	0.248635	hyper	sig	chr16_54936599
chr19	34832907	34832907	+	6.309E-23	2.0056E-21	0.255298	hyper	sig	chr19_34832907
chr17	50834952	50834952	+	6.316E-23	2.0078E-21	0.291458	hyper	sig	chr17_50834952
chr9	1.32E+08	132196586	+	6.319E-23	2.0086E-21	-0.39153	hypo	sig	chr9_132196586
chr1	2274504	2274504	+	6.321E-23	2.0091E-21	0.339041	hyper	sig	chr1_2274504
chr1	2.35E+08	234978549	+	6.324E-23	2.0102E-21	-0.31914	hypo	sig	chr1_234978549
chr8	84182602	84182602	+	6.329E-23	2.0115E-21	0.223812	hyper	sig	chr8_84182602
chr5	1.41E+08	141421232	+	6.333E-23	2.0128E-21	0.327565	hyper	sig	chr5_141421232
chr8	1.08E+08	108082648	+	6.337E-23	2.0141E-21	0.39918	hyper	sig	chr8_108082648
chr11	31802714	31802714	+	6.341E-23	2.0152E-21	0.333519	hyper	sig	chr11_31802714
chr18	57439898	57439898	+	6.352E-23	2.0186E-21	0.24555	hyper	sig	chr18_57439898
chr15	37106929	37106929	+	6.373E-23	2.0249E-21	0.266567	hyper	sig	chr15_37106929
chr5	31855056	31855056	+	6.373E-23	2.0249E-21	0.231524	hyper	sig	chr5_31855056
chr7	6160509	6160509	+	6.377E-23	2.0263E-21	0.355537	hyper	sig	chr7_6160509
chr12	40692963	40692963	+	6.395E-23	2.0319E-21	0.276322	hyper	sig	chr12_40692963
chr8	1.31E+08	131042497	+	6.397E-23	2.0324E-21	0.374563	hyper	sig	chr8_131042497
chr14	1.03E+08	103102128	+	6.4E-23	2.0331E-21	0.286007	hyper	sig	chr14_103102128
chr14	56795495	56795495	+	6.405E-23	2.0348E-21	0.320522	hyper	sig	chr14_56795495
chr2	1.63E+08	162838680	+	6.41E-23	2.036E-21	0.352973	hyper	sig	chr2_162838680
chr7	2729363	2729363	+	6.413E-23	2.0369E-21	0.26292	hyper	sig	chr7_2729363
chr4	41747356	41747356	+	6.43E-23	2.0424E-21	0.384361	hyper	sig	chr4_41747356
chr2	19357378	19357378	+	6.431E-23	2.0426E-21	0.416442	hyper	sig	chr2_19357378
chr2	2.13E+08	212536511	+	6.441E-23	2.0456E-21	0.250517	hyper	sig	chr2_212536511
chr1	1.19E+08	119005970	+	6.441E-23	2.0456E-21	0.376601	hyper	sig	chr1_119005970
chr3	1.61E+08	161104750	+	6.444E-23	2.0463E-21	0.258245	hyper	sig	chr3_161104750
chr7	1.51E+08	150962881	+	6.453E-23	2.0492E-21	0.332976	hyper	sig	chr7_150962881
chr7	73424481	73424481	+	6.454E-23	2.0494E-21	0.342211	hyper	sig	chr7_73424481
chr6	1.06E+08	105981896	+	6.468E-23	2.0536E-21	0.311996	hyper	sig	chr6_105981896
chr18	6929767	6929767	+	6.481E-23	2.0577E-21	-0.34334	hypo	sig	chr18_6929767
chr2	50347899	50347899	+	6.482E-23	2.058E-21	0.24535	hyper	sig	chr2_50347899
chr19	6659991	6659991	+	6.485E-23	2.059E-21	0.370301	hyper	sig	chr19_6659991
chr9	1.38E+08	137523099	+	6.487E-23	2.0595E-21	-0.39602	hypo	sig	chr9_137523099
chr5	3197882	3197882	+	6.494E-23	2.0616E-21	0.336146	hyper	sig	chr5_3197882
chr8	6805821	6805821	+	6.497E-23	2.0624E-21	-0.3443	hypo	sig	chr8_6805821
chr6	1.7E+08	170081856	+	6.501E-23	2.0637E-21	-0.30302	hypo	sig	chr6_170081856
chr7	52668168	52668168	+	6.504E-23	2.0644E-21	-0.23909	hypo	sig	chr7_52668168

chr6	10422214	10422214	+	6.506E-23	2.065E-21	0.330403	hyper	sig	chr6_10422214
chr5	33937100	33937100	+	6.509E-23	2.0661E-21	0.306452	hyper	sig	chr5_33937100
chr1	78491568	78491568	+	6.514E-23	2.0674E-21	0.248056	hyper	sig	chr1_78491568
chr8	71558123	71558123	+	6.515E-23	2.0679E-21	0.252488	hyper	sig	chr8_71558123
chr5	1.77E+08	176619898	+	6.522E-23	2.0698E-21	0.289963	hyper	sig	chr5_176619898
chr19	18220312	18220312	+	6.538E-23	2.0747E-21	-0.26845	hypo	sig	chr19_18220312
chr6	1.6E+08	160006437	+	6.539E-23	2.0751E-21	0.314338	hyper	sig	chr6_160006437
chr16	49275355	49275355	+	6.54E-23	2.0752E-21	0.381361	hyper	sig	chr16_49275355
chr13	58503416	58503416	+	6.544E-23	2.0764E-21	-0.3559	hypo	sig	chr13_58503416
chr3	62369472	62369472	+	6.549E-23	2.0779E-21	0.329977	hyper	sig	chr3_62369472
chr10	99234095	99234095	+	6.549E-23	2.0781E-21	0.259556	hyper	sig	chr10_99234095
chr12	44876963	44876963	+	6.561E-23	2.0817E-21	0.253455	hyper	sig	chr12_44876963
chr2	68318828	68318828	+	6.578E-23	2.087E-21	0.500629	hyper	sig	chr2_68318828
chr15	64763204	64763204	+	6.586E-23	2.0894E-21	0.248048	hyper	sig	chr15_64763204
chr20	46021607	46021607	+	6.593E-23	2.0916E-21	0.315223	hyper	sig	chr20_46021607
chr17	81044889	81044889	+	6.596E-23	2.0926E-21	0.251998	hyper	sig	chr17_81044889
chr17	47192813	47192813	+	6.598E-23	2.0932E-21	-0.28915	hypo	sig	chr17_47192813
chr13	1.12E+08	112063367	+	6.601E-23	2.0938E-21	0.275296	hyper	sig	chr13_112063367
chr1	2.15E+08	214872855	+	6.607E-23	2.0958E-21	-0.26848	hypo	sig	chr1_214872855
chr13	36432144	36432144	+	6.612E-23	2.0971E-21	0.278974	hyper	sig	chr13_36432144
chr2	1.92E+08	192194895	+	6.633E-23	2.1035E-21	0.285752	hyper	sig	chr2_192194895
chr5	1.42E+08	141512813	+	6.633E-23	2.1036E-21	0.389814	hyper	sig	chr5_141512813
chr16	89103393	89103393	+	6.634E-23	2.1036E-21	-0.28913	hypo	sig	chr16_89103393
chr6	1.1E+08	109979891	+	6.646E-23	2.1075E-21	0.37291	hyper	sig	chr6_109979891
chr9	1.22E+08	122219710	+	6.654E-23	2.1099E-21	0.261266	hyper	sig	chr9_122219710
chr8	38740098	38740098	+	6.657E-23	2.1107E-21	0.297528	hyper	sig	chr8_38740098
chr13	1.02E+08	102401059	+	6.659E-23	2.1114E-21	0.227586	hyper	sig	chr13_102401059
chr22	45867128	45867128	+	6.662E-23	2.1122E-21	0.286948	hyper	sig	chr22_45867128
chr7	15685739	15685739	+	6.67E-23	2.1146E-21	0.243483	hyper	sig	chr7_15685739
chr17	74671570	74671570	+	6.677E-23	2.1168E-21	0.310113	hyper	sig	chr17_74671570
chr8	96160242	96160242	+	6.678E-23	2.1169E-21	0.226341	hyper	sig	chr8_96160242
chr8	61135906	61135906	+	6.683E-23	2.1185E-21	-0.28875	hypo	sig	chr8_61135906
chr7	2480197	2480197	+	6.683E-23	2.1185E-21	0.312377	hyper	sig	chr7_2480197
chr6	1.46E+08	146029484	+	6.69E-23	2.1205E-21	0.257219	hyper	sig	chr6_146029484
chr5	2565435	2565435	+	6.692E-23	2.1212E-21	-0.32708	hypo	sig	chr5_2565435
chr10	26211792	26211792	+	6.694E-23	2.1215E-21	0.330859	hyper	sig	chr10_26211792
chr19	8592643	8592643	+	6.695E-23	2.122E-21	0.286613	hyper	sig	chr19_8592643
chr10	7408494	7408494	+	6.707E-23	2.1256E-21	0.233877	hyper	sig	chr10_7408494
chr7	32427901	32427901	+	6.709E-23	2.1261E-21	0.354391	hyper	sig	chr7_32427901
chr10	1.33E+08	132752824	+	6.712E-23	2.127E-21	-0.28402	hypo	sig	chr10_132752824
chr4	8394449	8394449	+	6.716E-23	2.128E-21	0.292324	hyper	sig	chr4_8394449
chr7	983415	983415	+	6.716E-23	2.128E-21	0.295094	hyper	sig	chr7_983415
chr5	1.46E+08	146338908	+	6.726E-23	2.1312E-21	0.271516	hyper	sig	chr5_146338908
chr1	1.53E+08	152787296	+	6.73E-23	2.1325E-21	-0.29646	hypo	sig	chr1_152787296
chr8	56113684	56113684	+	6.742E-23	2.136E-21	0.332588	hyper	sig	chr8_56113684
chr6	10384909	10384909	+	6.746E-23	2.1373E-21	0.33444	hyper	sig	chr6_10384909
chr13	27976210	27976210	+	6.748E-23	2.1378E-21	0.349615	hyper	sig	chr13_27976210
chr18	905015	905015	+	6.758E-23	2.1411E-21	0.301869	hyper	sig	chr18_905015
chr14	74239328	74239328	+	6.764E-23	2.1427E-21	0.2772	hyper	sig	chr14_74239328
chr10	21502561	21502561	+	6.768E-23	2.1438E-21	-0.25405	hypo	sig	chr10_21502561
chr4	1.74E+08	173530093	+	6.769E-23	2.1441E-21	0.221675	hyper	sig	chr4_173530093
chr16	87487791	87487791	+	6.772E-23	2.1451E-21	-0.25856	hypo	sig	chr16_87487791
chr1	2879677	2879677	+	6.777E-23	2.1464E-21	-0.30879	hypo	sig	chr1_2879677
chr14	73783881	73783881	+	6.778E-23	2.1467E-21	0.314839	hyper	sig	chr14_73783881
chr2	12718478	12718478	+	6.802E-23	2.1541E-21	0.210673	hyper	sig	chr2_12718478
chr17	68198565	68198565	+	6.81E-23	2.1567E-21	0.233452	hyper	sig	chr17_68198565

chr2	1.39E+08	138779534	+	6.819E-23	2.1594E-21	0.343128	hyper	sig	chr2_138779534
chr5	1931468	1931468	+	6.822E-23	2.1604E-21	0.283705	hyper	sig	chr5_1931468
chr19	52536098	52536098	+	6.825E-23	2.161E-21	0.335302	hyper	sig	chr19_52536098
chr3	1.39E+08	139044870	+	6.827E-23	2.1616E-21	0.314485	hyper	sig	chr3_139044870
chr19	49133093	49133093	+	6.83E-23	2.1624E-21	0.445664	hyper	sig	chr19_49133093
chr7	1.5E+08	150221142	+	6.832E-23	2.1631E-21	0.271827	hyper	sig	chr7_150221142
chr1	6597143	6597143	+	6.843E-23	2.1663E-21	0.299188	hyper	sig	chr1_6597143
chr1	16532663	16532663	+	6.843E-23	2.1663E-21	0.309768	hyper	sig	chr1_16532663
chr12	64390812	64390812	+	6.858E-23	2.1711E-21	0.284493	hyper	sig	chr12_64390812
chr12	1.32E+08	132271607	+	6.862E-23	2.172E-21	-0.33508	hypo	sig	chr12_132271607
chr22	50485523	50485523	+	6.862E-23	2.172E-21	-0.26687	hypo	sig	chr22_50485523
chr16	11351541	11351541	+	6.869E-23	2.1741E-21	0.262931	hyper	sig	chr16_11351541
chr10	1.23E+08	123150712	+	6.87E-23	2.1744E-21	0.302719	hyper	sig	chr10_123150712
chr2	397711	397711	+	6.875E-23	2.1759E-21	0.229631	hyper	sig	chr2_397711
chr15	89371796	89371796	+	6.887E-23	2.1795E-21	0.236183	hyper	sig	chr15_89371796
chr6	30127484	30127484	+	6.891E-23	2.1806E-21	0.287314	hyper	sig	chr6_30127484
chr13	99996879	99996879	+	6.899E-23	2.1833E-21	0.267034	hyper	sig	chr13_99996879
chr2	2.39E+08	239247150	+	6.9E-23	2.1834E-21	-0.29544	hypo	sig	chr2_239247150
chr15	1.01E+08	100544395	+	6.922E-23	2.1902E-21	0.330255	hyper	sig	chr15_100544395
chr7	97002409	97002409	+	6.928E-23	2.192E-21	0.294711	hyper	sig	chr7_97002409
chr8	71558795	71558795	+	6.929E-23	2.1923E-21	0.271021	hyper	sig	chr8_71558795
chr12	75208023	75208023	+	6.935E-23	2.1942E-21	0.337383	hyper	sig	chr12_75208023
chr17	19580229	19580229	+	6.936E-23	2.1944E-21	0.219959	hyper	sig	chr17_19580229
chr12	4807747	4807747	+	6.946E-23	2.1973E-21	-0.31834	hypo	sig	chr12_4807747
chr13	57630836	57630836	+	6.946E-23	2.1973E-21	0.293824	hyper	sig	chr13_57630836
chr16	31217015	31217015	+	6.948E-23	2.1977E-21	0.247388	hyper	sig	chr16_31217015
chr4	7646821	7646821	+	6.952E-23	2.199E-21	-0.30944	hypo	sig	chr4_7646821
chr16	85162719	85162719	+	6.953E-23	2.1992E-21	0.307299	hyper	sig	chr16_85162719
chr4	65669405	65669405	+	6.955E-23	2.1997E-21	0.368023	hyper	sig	chr4_65669405
chr9	34809768	34809768	+	6.959E-23	2.2011E-21	0.343704	hyper	sig	chr9_34809768
chr1	92029398	92029398	+	6.96E-23	2.2012E-21	-0.23573	hypo	sig	chr1_92029398
chr16	71426368	71426368	+	6.962E-23	2.2017E-21	0.24176	hyper	sig	chr16_71426368
chr11	65355768	65355768	+	6.963E-23	2.2019E-21	0.380598	hyper	sig	chr11_65355768
chr17	76027485	76027485	+	6.964E-23	2.202E-21	-0.25641	hypo	sig	chr17_76027485
chr3	1.54E+08	154428682	+	6.963E-23	2.202E-21	0.345622	hyper	sig	chr3_154428682
chr1	2.21E+08	220895037	+	6.969E-23	2.2036E-21	0.367237	hyper	sig	chr1_220895037
chr1	1.19E+08	118983790	+	6.972E-23	2.2044E-21	0.391623	hyper	sig	chr1_118983790
chr11	1.06E+08	105610595	+	6.972E-23	2.2045E-21	0.252373	hyper	sig	chr11_105610595
chr7	1922405	1922405	+	6.99E-23	2.2099E-21	-0.34503	hypo	sig	chr7_1922405
chr11	1343781	1343781	+	6.998E-23	2.2125E-21	-0.34826	hypo	sig	chr11_1343781
chr11	64935840	64935840	+	7E-23	2.2128E-21	0.258512	hyper	sig	chr11_64935840
chr16	62034828	62034828	+	7.002E-23	2.2136E-21	0.338492	hyper	sig	chr16_62034828
chr17	47867082	47867082	+	7.005E-23	2.2144E-21	0.268122	hyper	sig	chr17_47867082
chr14	85529840	85529840	+	7.01E-23	2.216E-21	0.268822	hyper	sig	chr14_85529840
chr19	1271389	1271389	+	7.016E-23	2.2177E-21	0.318693	hyper	sig	chr19_1271389
chr11	65998080	65998080	+	7.029E-23	2.2218E-21	-0.36208	hypo	sig	chr11_65998080
chr3	11568751	11568751	+	7.038E-23	2.2245E-21	0.298613	hyper	sig	chr3_11568751
chr20	21106124	21106124	+	7.039E-23	2.2249E-21	0.379606	hyper	sig	chr20_21106124
chr17	299789	299789	+	7.043E-23	2.2259E-21	0.23885	hyper	sig	chr17_299789
chr17	77881781	77881781	+	7.048E-23	2.2274E-21	-0.31082	hypo	sig	chr17_77881781
chr5	1.41E+08	141410081	+	7.057E-23	2.2302E-21	0.361086	hyper	sig	chr5_141410081
chr6	1.06E+08	105981787	+	7.063E-23	2.232E-21	0.292579	hyper	sig	chr6_105981787
chr7	3977995	3977995	+	7.064E-23	2.2323E-21	-0.32769	hypo	sig	chr7_3977995
chr7	22096331	22096331	+	7.077E-23	2.2362E-21	-0.33652	hypo	sig	chr7_22096331
chr15	77897415	77897415	+	7.089E-23	2.2399E-21	-0.27984	hypo	sig	chr15_77897415
chr5	1.41E+08	141421204	+	7.093E-23	2.2412E-21	0.318768	hyper	sig	chr5_141421204

chr12	49904162	49904162	+	7.095E-23	2.2417E-21	0.291568	hyper	sig	chr12_49904162
chr8	97278103	97278103	+	7.096E-23	2.2418E-21	0.286565	hyper	sig	chr8_97278103
chr12	1.19E+08	119390708	+	7.106E-23	2.2448E-21	-0.3413	hypo	sig	chr12_119390708
chr1	38001005	38001005	+	7.135E-23	2.2538E-21	0.314604	hyper	sig	chr1_38001005
chr10	99234158	99234158	+	7.137E-23	2.2544E-21	0.222161	hyper	sig	chr10_99234158
chr11	12893955	12893955	+	7.142E-23	2.2559E-21	0.30609	hyper	sig	chr11_12893955
chr7	1297664	1297664	+	7.142E-23	2.2559E-21	0.287173	hyper	sig	chr7_1297664
chr3	48662228	48662228	+	7.157E-23	2.2604E-21	0.347272	hyper	sig	chr3_48662228
chr1	45622751	45622751	+	7.161E-23	2.2618E-21	0.306479	hyper	sig	chr1_45622751
chr3	1.35E+08	134650633	+	7.166E-23	2.2631E-21	0.315677	hyper	sig	chr3_134650633
chr16	12120982	12120982	+	7.167E-23	2.2634E-21	0.269385	hyper	sig	chr16_12120982
chr6	1.5E+08	149965094	+	7.168E-23	2.2638E-21	0.254659	hyper	sig	chr6_149965094
chr8	96160770	96160770	+	7.185E-23	2.2688E-21	0.289976	hyper	sig	chr8_96160770
chr2	11105388	11105388	+	7.186E-23	2.2692E-21	-0.25688	hypo	sig	chr2_11105388
chr19	56368560	56368560	+	7.192E-23	2.2709E-21	0.302301	hyper	sig	chr19_56368560
chr17	1203881	1203881	+	7.197E-23	2.2725E-21	0.301129	hyper	sig	chr17_1203881
chr17	1618078	1618078	+	7.202E-23	2.2741E-21	-0.23354	hypo	sig	chr17_1618078
chr2	1.61E+08	161417000	+	7.203E-23	2.2742E-21	0.218957	hyper	sig	chr2_161417000
chr12	85279547	85279547	+	7.21E-23	2.2762E-21	0.313023	hyper	sig	chr12_85279547
chr4	4858755	4858755	+	7.213E-23	2.277E-21	0.228076	hyper	sig	chr4_4858755
chr11	20606047	20606047	+	7.22E-23	2.2793E-21	0.303367	hyper	sig	chr11_20606047
chr18	14999865	14999865	+	7.231E-23	2.2825E-21	0.348486	hyper	sig	chr18_14999865
chr19	12195471	12195471	+	7.24E-23	2.2855E-21	0.257816	hyper	sig	chr19_12195471
chr6	1.67E+08	167266967	+	7.242E-23	2.2861E-21	-0.29936	hypo	sig	chr6_167266967
chr9	1.22E+08	121739693	+	7.243E-23	2.2863E-21	0.311053	hyper	sig	chr9_121739693
chr8	96495367	96495367	+	7.245E-23	2.2866E-21	0.242475	hyper	sig	chr8_96495367
chr5	1.59E+08	159105320	+	7.245E-23	2.2867E-21	0.337808	hyper	sig	chr5_159105320
chr5	1.34E+08	134114206	+	7.255E-23	2.2897E-21	0.202462	hyper	sig	chr5_134114206
chr16	3183890	3183890	+	7.265E-23	2.2926E-21	0.241181	hyper	sig	chr16_3183890
chr13	31945901	31945901	+	7.27E-23	2.2941E-21	-0.3276	hypo	sig	chr13_31945901
chr15	68931424	68931424	+	7.27E-23	2.2942E-21	-0.3234	hypo	sig	chr15_68931424
chr7	94394979	94394979	+	7.287E-23	2.2993E-21	0.308161	hyper	sig	chr7_94394979
chr1	98045411	98045411	+	7.29E-23	2.3003E-21	0.347652	hyper	sig	chr1_98045411
chr1	57424668	57424668	+	7.291E-23	2.3003E-21	0.419279	hyper	sig	chr1_57424668
chr16	88409736	88409736	+	7.298E-23	2.3024E-21	-0.33103	hypo	sig	chr16_88409736
chr6	33161247	33161247	+	7.298E-23	2.3024E-21	0.319026	hyper	sig	chr6_33161247
chr8	56157476	56157476	+	7.298E-23	2.3024E-21	0.297155	hyper	sig	chr8_56157476
chr14	24311345	24311345	+	7.299E-23	2.3024E-21	0.267786	hyper	sig	chr14_24311345
chr6	62286053	62286053	+	7.306E-23	2.3048E-21	0.330119	hyper	sig	chr6_62286053
chr22	31102920	31102920	+	7.31E-23	2.3058E-21	0.28536	hyper	sig	chr22_31102920
chr11	31799820	31799820	+	7.316E-23	2.3078E-21	0.29621	hyper	sig	chr11_31799820
chr4	1.51E+08	150582357	+	7.323E-23	2.3097E-21	0.365825	hyper	sig	chr4_150582357
chr7	97018519	97018519	+	7.326E-23	2.3106E-21	0.453428	hyper	sig	chr7_97018519
chr2	8709850	8709850	+	7.327E-23	2.3107E-21	-0.31492	hypo	sig	chr2_8709850
chr5	1.35E+08	135327198	+	7.327E-23	2.3108E-21	0.284606	hyper	sig	chr5_135327198
chr5	1.59E+08	159097394	+	7.328E-23	2.3112E-21	0.352924	hyper	sig	chr5_159097394
chr21	45534147	45534147	+	7.333E-23	2.3124E-21	0.322524	hyper	sig	chr21_45534147
chr19	1873584	1873584	+	7.343E-23	2.3157E-21	0.29881	hyper	sig	chr19_1873584
chr16	14529117	14529117	+	7.344E-23	2.3158E-21	0.272349	hyper	sig	chr16_14529117
chr8	1.42E+08	142173169	+	7.351E-23	2.3179E-21	-0.29366	hypo	sig	chr8_142173169
chr13	98173943	98173943	+	7.353E-23	2.3184E-21	0.295228	hyper	sig	chr13_98173943
chr3	1.3E+08	129605087	+	7.357E-23	2.3198E-21	0.294081	hyper	sig	chr3_129605087
chr16	67165510	67165510	+	7.366E-23	2.3224E-21	0.411731	hyper	sig	chr16_67165510
chr2	83878355	83878355	+	7.366E-23	2.3224E-21	-0.24056	hypo	sig	chr2_83878355
chr5	1.41E+08	140801584	+	7.379E-23	2.3261E-21	0.295055	hyper	sig	chr5_140801584
chr11	65833373	65833373	+	7.383E-23	2.3272E-21	0.280227	hyper	sig	chr11_65833373

chr2	43123269	43123269	+	7.384E-23	2.3275E-21	0.273814	hyper	sig	chr2_43123269
chr17	47852667	47852667	+	7.398E-23	2.3319E-21	0.251163	hyper	sig	chr17_47852667
chr19	38256014	38256014	+	7.404E-23	2.3336E-21	0.320384	hyper	sig	chr19_38256014
chr12	53927550	53927550	+	7.417E-23	2.3377E-21	0.299536	hyper	sig	chr12_53927550
chr15	31399042	31399042	+	7.424E-23	2.3399E-21	-0.33693	hypo	sig	chr15_31399042
chr17	5499837	5499837	+	7.425E-23	2.3401E-21	0.295756	hyper	sig	chr17_5499837
chr2	2.2E+08	219515773	+	7.425E-23	2.3401E-21	-0.34274	hypo	sig	chr2_219515773
chr7	73893889	73893889	+	7.43E-23	2.3415E-21	0.3655	hyper	sig	chr7_73893889
chr20	1002134	1002134	+	7.432E-23	2.3419E-21	0.243445	hyper	sig	chr20_1002134
chr1	2.48E+08	247937180	+	7.436E-23	2.3429E-21	0.285259	hyper	sig	chr1_247937180
chr15	40106930	40106930	+	7.436E-23	2.3429E-21	-0.27953	hypo	sig	chr15_40106930
chr10	95230783	95230783	+	7.441E-23	2.3445E-21	0.329452	hyper	sig	chr10_95230783
chr8	1.01E+08	101493164	+	7.446E-23	2.3458E-21	-0.37862	hypo	sig	chr8_101493164
chr1	2.08E+08	207669663	+	7.451E-23	2.3474E-21	0.419077	hyper	sig	chr1_207669663
chr11	2300820	2300820	+	7.451E-23	2.3474E-21	-0.25949	hypo	sig	chr11_2300820
chr12	1.13E+08	113476082	+	7.456E-23	2.349E-21	0.293997	hyper	sig	chr12_113476082
chr2	558823	558823	+	7.46E-23	2.3499E-21	-0.29883	hypo	sig	chr2_558823
chr13	1.12E+08	112055236	+	7.47E-23	2.3529E-21	0.32772	hyper	sig	chr13_112055236
chr7	56093258	56093258	+	7.475E-23	2.3547E-21	0.233194	hyper	sig	chr7_56093258
chr13	22898247	22898247	+	7.477E-23	2.3551E-21	-0.42665	hypo	sig	chr13_22898247
chr22	18029239	18029239	+	7.483E-23	2.3568E-21	-0.25584	hypo	sig	chr22_18029239
chr8	52414099	52414099	+	7.486E-23	2.3576E-21	0.342001	hyper	sig	chr8_52414099
chr16	72858866	72858866	+	7.495E-23	2.3604E-21	0.369456	hyper	sig	chr16_72858866
chr19	36973499	36973499	+	7.496E-23	2.3607E-21	0.33755	hyper	sig	chr19_36973499
chr6	32845754	32845754	+	7.512E-23	2.3656E-21	-0.26628	hypo	sig	chr6_32845754
chr4	5711756	5711756	+	7.517E-23	2.3671E-21	0.322787	hyper	sig	chr4_5711756
chr6	32093388	32093388	+	7.53E-23	2.3712E-21	0.304988	hyper	sig	chr6_32093388
chr2	1.13E+08	113276004	+	7.533E-23	2.372E-21	0.305022	hyper	sig	chr2_113276004
chr6	1.66E+08	166168711	+	7.538E-23	2.3734E-21	0.226293	hyper	sig	chr6_166168711
chr19	49049416	49049416	+	7.551E-23	2.3773E-21	-0.29011	hypo	sig	chr19_49049416
chr1	7782348	7782348	+	7.56E-23	2.38E-21	-0.33434	hypo	sig	chr1_7782348
chr8	1.4E+08	139703442	+	7.569E-23	2.3828E-21	0.474021	hyper	sig	chr8_139703442
chr8	71558219	71558219	+	7.572E-23	2.3836E-21	0.273146	hyper	sig	chr8_71558219
chr2	2.42E+08	241815165	+	7.579E-23	2.3859E-21	-0.40829	hypo	sig	chr2_241815165
chr20	34874880	34874880	+	7.584E-23	2.3873E-21	-0.29734	hypo	sig	chr20_34874880
chr16	4263674	4263674	+	7.59E-23	2.3892E-21	0.345521	hyper	sig	chr16_4263674
chr11	1.19E+08	118971774	+	7.592E-23	2.3897E-21	0.332398	hyper	sig	chr11_118971774
chr6	80070496	80070496	+	7.594E-23	2.3902E-21	-0.30208	hypo	sig	chr6_80070496
chr5	1.71E+08	171315338	+	7.595E-23	2.3903E-21	0.284215	hyper	sig	chr5_171315338
chr10	55628218	55628218	+	7.604E-23	2.393E-21	0.2879	hyper	sig	chr10_55628218
chr10	44774867	44774867	+	7.616E-23	2.3968E-21	-0.31586	hypo	sig	chr10_44774867
chr17	44558378	44558378	+	7.616E-23	2.3968E-21	0.336646	hyper	sig	chr17_44558378
chr12	1.33E+08	132908073	+	7.631E-23	2.4014E-21	0.278154	hyper	sig	chr12_132908073
chr8	2090051	2090051	+	7.638E-23	2.4035E-21	-0.33677	hypo	sig	chr8_2090051
chr5	1931254	1931254	+	7.641E-23	2.4042E-21	0.267325	hyper	sig	chr5_1931254
chr11	7252304	7252304	+	7.664E-23	2.4115E-21	0.307793	hyper	sig	chr11_7252304
chr6	50836457	50836457	+	7.67E-23	2.4133E-21	0.251464	hyper	sig	chr6_50836457
chr18	13868563	13868563	+	7.674E-23	2.4143E-21	0.236782	hyper	sig	chr18_13868563
chr10	1.03E+08	103473632	+	7.682E-23	2.4166E-21	0.306803	hyper	sig	chr10_103473632
chr15	43239849	43239849	+	7.682E-23	2.4166E-21	-0.27633	hypo	sig	chr15_43239849
chr4	785710	785710	+	7.688E-23	2.4186E-21	0.372161	hyper	sig	chr4_785710
chr14	94773142	94773142	+	7.69E-23	2.4191E-21	0.274602	hyper	sig	chr14_94773142
chr1	1924664	1924664	+	7.693E-23	2.4199E-21	-0.28852	hypo	sig	chr1_1924664
chr11	43577419	43577419	+	7.703E-23	2.423E-21	0.298166	hyper	sig	chr11_43577419
chr2	397730	397730	+	7.717E-23	2.4274E-21	0.235974	hyper	sig	chr2_397730
chr16	81676285	81676285	+	7.731E-23	2.4315E-21	0.306056	hyper	sig	chr16_81676285

chr9	1.37E+08	137078936	+	7.735E-23	2.4327E-21	0.363053	hyper	sig	chr9_137078936
chr12	44876617	44876617	+	7.747E-23	2.4364E-21	0.218196	hyper	sig	chr12_44876617
chr5	1.41E+08	140877685	+	7.75E-23	2.4373E-21	0.34909	hyper	sig	chr5_140877685
chr2	1540348	1540348	+	7.751E-23	2.4374E-21	-0.29135	hypo	sig	chr2_1540348
chr3	11568706	11568706	+	7.757E-23	2.4394E-21	0.292591	hyper	sig	chr3_11568706
chr12	1.32E+08	132446369	+	7.762E-23	2.4408E-21	-0.26533	hypo	sig	chr12_132446369
chr4	1.72E+08	171813680	+	7.769E-23	2.4429E-21	0.336934	hyper	sig	chr4_171813680
chr11	67665198	67665198	+	7.774E-23	2.4441E-21	-0.26191	hypo	sig	chr11_67665198
chr17	1203879	1203879	+	7.786E-23	2.4478E-21	0.298948	hyper	sig	chr17_1203879
chr16	1991513	1991513	+	7.792E-23	2.4496E-21	0.31199	hyper	sig	chr16_1991513
chr20	33031841	33031841	+	7.806E-23	2.4539E-21	-0.31084	hypo	sig	chr20_33031841
chr5	7395214	7395214	+	7.812E-23	2.4559E-21	0.293313	hyper	sig	chr5_7395214
chr5	1.41E+08	141402909	+	7.812E-23	2.4559E-21	0.341387	hyper	sig	chr5_141402909
chr1	47436049	47436049	+	7.817E-23	2.4572E-21	0.286561	hyper	sig	chr1_47436049
chr2	21123967	21123967	+	7.819E-23	2.4576E-21	-0.24118	hypo	sig	chr2_21123967
chr20	57392604	57392604	+	7.823E-23	2.459E-21	0.403125	hyper	sig	chr20_57392604
chr5	63959220	63959220	+	7.833E-23	2.462E-21	0.386045	hyper	sig	chr5_63959220
chr6	10417439	10417439	+	7.834E-23	2.4621E-21	0.278715	hyper	sig	chr6_10417439
chr9	1.24E+08	124273774	+	7.838E-23	2.4633E-21	0.276733	hyper	sig	chr9_124273774
chr1	1.07E+08	107140159	+	7.839E-23	2.4635E-21	0.305069	hyper	sig	chr1_107140159
chr1	2248593	2248593	+	7.845E-23	2.4652E-21	-0.32786	hypo	sig	chr1_2248593
chr12	49544235	49544235	+	7.848E-23	2.4661E-21	0.383883	hyper	sig	chr12_49544235
chr4	7655375	7655375	+	7.848E-23	2.4661E-21	-0.41316	hypo	sig	chr4_7655375
chr5	2008089	2008089	+	7.85E-23	2.4668E-21	0.303019	hyper	sig	chr5_2008089
chr3	16512190	16512190	+	7.854E-23	2.4678E-21	-0.31229	hypo	sig	chr3_16512190
chr2	85765607	85765607	+	7.858E-23	2.4688E-21	-0.32552	hypo	sig	chr2_85765607
chr13	1.12E+08	112351934	+	7.86E-23	2.4696E-21	-0.22158	hypo	sig	chr13_112351934
chr12	1820394	1820394	+	7.866E-23	2.4714E-21	0.211382	hyper	sig	chr12_1820394
chr2	2.32E+08	231662708	+	7.877E-23	2.4748E-21	-0.25383	hypo	sig	chr2_231662708
chr6	1.59E+08	159129238	+	7.878E-23	2.4749E-21	-0.32935	hypo	sig	chr6_159129238
chr17	9022943	9022943	+	7.879E-23	2.4752E-21	0.245613	hyper	sig	chr17_9022943
chr16	2967521	2967521	+	7.884E-23	2.4764E-21	0.293435	hyper	sig	chr16_2967521
chr3	27729576	27729576	+	7.909E-23	2.4843E-21	0.255984	hyper	sig	chr3_27729576
chr12	1.03E+08	102961557	+	7.913E-23	2.4856E-21	0.268001	hyper	sig	chr12_102961557
chr16	89202439	89202439	+	7.922E-23	2.4881E-21	0.252362	hyper	sig	chr16_89202439
chr15	74236181	74236181	+	7.924E-23	2.4888E-21	-0.36685	hypo	sig	chr15_74236181
chr16	81693406	81693406	+	7.929E-23	2.4901E-21	0.344678	hyper	sig	chr16_81693406
chr7	27143442	27143442	+	7.929E-23	2.4901E-21	0.344407	hyper	sig	chr7_27143442
chr2	96527489	96527489	+	7.935E-23	2.492E-21	0.346828	hyper	sig	chr2_96527489
chr9	1.38E+08	137873795	+	7.936E-23	2.4922E-21	-0.30742	hypo	sig	chr9_137873795
chr2	2.22E+08	222303768	+	7.939E-23	2.4931E-21	0.349001	hyper	sig	chr2_222303768
chr21	33020559	33020559	+	7.943E-23	2.494E-21	0.219615	hyper	sig	chr21_33020559
chr5	1.34E+08	134114044	+	7.962E-23	2.4999E-21	0.353051	hyper	sig	chr5_134114044
chr22	46526119	46526119	+	7.981E-23	2.5059E-21	-0.31076	hypo	sig	chr22_46526119
chr12	53945145	53945145	+	7.993E-23	2.5093E-21	0.32497	hyper	sig	chr12_53945145
chr1	1.15E+08	115287235	+	8.001E-23	2.5118E-21	-0.28115	hypo	sig	chr1_115287235
chr7	4613211	4613211	+	8.015E-23	2.516E-21	-0.26317	hypo	sig	chr7_4613211
chr19	1468423	1468423	+	8.017E-23	2.5167E-21	0.214683	hyper	sig	chr19_1468423
chr12	1.32E+08	132210287	+	8.021E-23	2.5177E-21	-0.45855	hypo	sig	chr12_132210287
chr17	48722393	48722393	+	8.022E-23	2.518E-21	0.221368	hyper	sig	chr17_48722393
chr5	1.41E+08	141247798	+	8.022E-23	2.518E-21	0.264475	hyper	sig	chr5_141247798
chr13	26010144	26010144	+	8.03E-23	2.5202E-21	-0.2567	hypo	sig	chr13_26010144
chr8	21724398	21724398	+	8.031E-23	2.5207E-21	-0.26734	hypo	sig	chr8_21724398
chr12	63151080	63151080	+	8.032E-23	2.5209E-21	0.348871	hyper	sig	chr12_63151080
chr8	26040918	26040918	+	8.038E-23	2.5225E-21	0.277562	hyper	sig	chr8_26040918
chr1	18631830	18631830	+	8.056E-23	2.5279E-21	0.308878	hyper	sig	chr1_18631830

chr6	28825634	28825634	+	8.056E-23	2.528E-21	0.281279	hyper	sig	chr6_28825634
chr4	1.47E+08	146637372	+	8.059E-23	2.5288E-21	0.313552	hyper	sig	chr4_146637372
chr18	50298710	50298710	+	8.073E-23	2.5331E-21	0.277861	hyper	sig	chr18_50298710
chr5	1.41E+08	141427894	+	8.076E-23	2.5339E-21	0.269947	hyper	sig	chr5_141427894
chr6	31121413	31121413	+	8.096E-23	2.54E-21	-0.31055	hypo	sig	chr6_31121413
chr16	1040173	1040173	+	8.097E-23	2.5404E-21	-0.39879	hypo	sig	chr16_1040173
chr12	1919088	1919088	+	8.105E-23	2.5428E-21	-0.32532	hypo	sig	chr12_1919088
chr16	15724923	15724923	+	8.111E-23	2.5443E-21	0.26096	hyper	sig	chr16_15724923
chr2	1.01E+08	100821328	+	8.134E-23	2.5516E-21	-0.23526	hypo	sig	chr2_100821328
chr19	856139	856139	+	8.138E-23	2.5527E-21	-0.33596	hypo	sig	chr19_856139
chr7	4822786	4822786	+	8.139E-23	2.553E-21	-0.38207	hypo	sig	chr7_4822786
chr6	30127203	30127203	+	8.153E-23	2.5573E-21	0.311247	hyper	sig	chr6_30127203
chr2	30218378	30218378	+	8.171E-23	2.5628E-21	-0.3495	hypo	sig	chr2_30218378
chr17	80859500	80859500	+	8.177E-23	2.5647E-21	0.358317	hyper	sig	chr17_80859500
chr14	36655135	36655135	+	8.182E-23	2.566E-21	0.277284	hyper	sig	chr14_36655135
chr20	62708519	62708519	+	8.199E-23	2.5713E-21	0.394594	hyper	sig	chr20_62708519
chr10	1174039	1174039	+	8.204E-23	2.5726E-21	-0.36486	hypo	sig	chr10_1174039
chr5	1.16E+08	115962156	+	8.244E-23	2.585E-21	0.332498	hyper	sig	chr5_115962156
chr10	1.19E+08	119412934	+	8.258E-23	2.5893E-21	0.249226	hyper	sig	chr10_119412934
chr8	13566836	13566836	+	8.258E-23	2.5893E-21	0.214515	hyper	sig	chr8_13566836
chr21	36706467	36706467	+	8.272E-23	2.5936E-21	0.32336	hyper	sig	chr21_36706467
chr17	82228390	82228390	+	8.276E-23	2.5947E-21	-0.21837	hypo	sig	chr17_82228390
chr2	44934098	44934098	+	8.282E-23	2.5965E-21	0.353182	hyper	sig	chr2_44934098
chr5	88672873	88672873	+	8.282E-23	2.5965E-21	0.273528	hyper	sig	chr5_88672873
chr17	4785977	4785977	+	8.286E-23	2.5974E-21	0.311102	hyper	sig	chr17_4785977
chr1	9127652	9127652	+	8.291E-23	2.5991E-21	-0.24442	hypo	sig	chr1_9127652
chr14	73718556	73718556	+	8.322E-23	2.6085E-21	0.305491	hyper	sig	chr14_73718556
chr8	24955645	24955645	+	8.326E-23	2.6097E-21	0.23342	hyper	sig	chr8_24955645
chr19	52369766	52369766	+	8.328E-23	2.6101E-21	0.222071	hyper	sig	chr19_52369766
chr5	1.41E+08	141215545	+	8.328E-23	2.6102E-21	0.371745	hyper	sig	chr5_141215545
chr8	26051729	26051729	+	8.333E-23	2.6115E-21	0.287624	hyper	sig	chr8_26051729
chr16	86513644	86513644	+	8.334E-23	2.6118E-21	0.332514	hyper	sig	chr16_86513644
chr16	55323876	55323876	+	8.336E-23	2.6125E-21	0.269646	hyper	sig	chr16_55323876
chr8	60876488	60876488	+	8.352E-23	2.6172E-21	-0.35304	hypo	sig	chr8_60876488
chr4	41747340	41747340	+	8.353E-23	2.6176E-21	0.414554	hyper	sig	chr4_41747340
chr15	52789056	52789056	+	8.355E-23	2.6182E-21	0.341228	hyper	sig	chr15_52789056
chr1	1.19E+08	118979770	+	8.363E-23	2.6204E-21	0.316214	hyper	sig	chr1_118979770
chr16	84178341	84178341	+	8.364E-23	2.6206E-21	0.255531	hyper	sig	chr16_84178341
chr1	1.2E+08	119896416	+	8.382E-23	2.626E-21	0.355806	hyper	sig	chr1_119896416
chr14	74299517	74299517	+	8.386E-23	2.627E-21	-0.38989	hypo	sig	chr14_74299517
chr19	50717247	50717247	+	8.385E-23	2.627E-21	-0.37299	hypo	sig	chr19_50717247
chr12	1.33E+08	132524667	+	8.39E-23	2.6283E-21	-0.35964	hypo	sig	chr12_132524667
chr2	2.08E+08	208407245	+	8.402E-23	2.6318E-21	0.217752	hyper	sig	chr2_208407245
chr3	1.47E+08	147405439	+	8.402E-23	2.6318E-21	0.327414	hyper	sig	chr3_147405439
chr8	48923429	48923429	+	8.402E-23	2.6318E-21	-0.38282	hypo	sig	chr8_48923429
chr8	54458478	54458478	+	8.404E-23	2.6321E-21	0.262348	hyper	sig	chr8_54458478
chr1	37682389	37682389	+	8.414E-23	2.6352E-21	0.288486	hyper	sig	chr1_37682389
chr6	28810449	28810449	+	8.423E-23	2.638E-21	0.312639	hyper	sig	chr6_28810449
chr3	62319474	62319474	+	8.429E-23	2.6398E-21	0.223493	hyper	sig	chr3_62319474
chr16	67163807	67163807	+	8.438E-23	2.6424E-21	0.347842	hyper	sig	chr16_67163807
chr22	29479956	29479956	+	8.446E-23	2.645E-21	0.378581	hyper	sig	chr22_29479956
chr1	2E+08	200042304	+	8.463E-23	2.6502E-21	0.329265	hyper	sig	chr1_200042304
chr5	109875	109875	+	8.465E-23	2.6505E-21	-0.31188	hypo	sig	chr5_109875
chr8	11703054	11703054	+	8.471E-23	2.6523E-21	0.251367	hyper	sig	chr8_11703054
chr7	1.28E+08	128201637	+	8.481E-23	2.6554E-21	0.24058	hyper	sig	chr7_128201637
chr16	85586386	85586386	+	8.484E-23	2.6561E-21	0.323575	hyper	sig	chr16_85586386

chr11	31800793	31800793	+	8.49E-23	2.6581E-21	0.279763	hyper	sig	chr11_31800793
chr2	1.11E+08	111366501	+	8.491E-23	2.6582E-21	0.385418	hyper	sig	chr2_111366501
chr5	1.41E+08	141430866	+	8.495E-23	2.6593E-21	0.315941	hyper	sig	chr5_141430866
chr8	23706457	23706457	+	8.496E-23	2.6597E-21	0.254332	hyper	sig	chr8_23706457
chr15	76979314	76979314	+	8.501E-23	2.6611E-21	-0.29523	hypo	sig	chr15_76979314
chr8	1.45E+08	144699936	+	8.504E-23	2.6621E-21	0.325742	hyper	sig	chr8_144699936
chr15	68230411	68230411	+	8.507E-23	2.6628E-21	-0.2873	hypo	sig	chr15_68230411
chr3	62374090	62374090	+	8.511E-23	2.664E-21	0.299693	hyper	sig	chr3_62374090
chr19	57888810	57888810	+	8.512E-23	2.6642E-21	0.219926	hyper	sig	chr19_57888810
chr8	41876187	41876187	+	8.513E-23	2.6644E-21	0.235715	hyper	sig	chr8_41876187
chr1	18631618	18631618	+	8.519E-23	2.666E-21	0.227058	hyper	sig	chr1_18631618
chr2	1.82E+08	181684377	+	8.526E-23	2.6683E-21	0.241091	hyper	sig	chr2_181684377
chr8	26051914	26051914	+	8.541E-23	2.6727E-21	0.275766	hyper	sig	chr8_26051914
chr19	4552600	4552600	+	8.543E-23	2.6733E-21	-0.29978	hypo	sig	chr19_4552600
chr9	34457262	34457262	+	8.549E-23	2.6752E-21	0.4208	hyper	sig	chr9_34457262
chr6	29792107	29792107	+	8.554E-23	2.6765E-21	0.281222	hyper	sig	chr6_29792107
chr1	9321438	9321438	+	8.559E-23	2.6779E-21	0.390744	hyper	sig	chr1_9321438
chr16	86508054	86508054	+	8.564E-23	2.6796E-21	0.359837	hyper	sig	chr16_86508054
chr10	99530547	99530547	+	8.57E-23	2.6813E-21	0.279287	hyper	sig	chr10_99530547
chr6	1.68E+08	167824696	+	8.578E-23	2.6835E-21	0.300618	hyper	sig	chr6_167824696
chr19	56765326	56765326	+	8.582E-23	2.6848E-21	0.325699	hyper	sig	chr19_56765326
chr1	2.08E+08	207669754	+	8.586E-23	2.6857E-21	0.245816	hyper	sig	chr1_207669754
chr16	1173464	1173464	+	8.592E-23	2.6877E-21	-0.31699	hypo	sig	chr16_1173464
chr14	36663505	36663505	+	8.593E-23	2.6878E-21	0.289899	hyper	sig	chr14_36663505
chr7	45922200	45922200	+	8.596E-23	2.6887E-21	0.214641	hyper	sig	chr7_45922200
chr7	97013238	97013238	+	8.602E-23	2.6903E-21	0.390281	hyper	sig	chr7_97013238
chr19	51719211	51719211	+	8.616E-23	2.6947E-21	0.334045	hyper	sig	chr19_51719211
chr2	1.39E+08	138779958	+	8.618E-23	2.6952E-21	0.409408	hyper	sig	chr2_138779958
chr21	41068734	41068734	+	8.627E-23	2.698E-21	-0.30328	hypo	sig	chr21_41068734
chr7	1620862	1620862	+	8.643E-23	2.7026E-21	-0.32082	hypo	sig	chr7_1620862
chr6	99606200	99606200	+	8.645E-23	2.7033E-21	0.294931	hyper	sig	chr6_99606200
chr19	58118553	58118553	+	8.647E-23	2.7038E-21	0.343328	hyper	sig	chr19_58118553
chr20	31721824	31721824	+	8.648E-23	2.7039E-21	-0.27693	hypo	sig	chr20_31721824
chr10	1.16E+08	116124716	+	8.652E-23	2.705E-21	-0.23711	hypo	sig	chr10_116124716
chr3	1.86E+08	186361512	+	8.662E-23	2.7082E-21	0.313052	hyper	sig	chr3_186361512
chr3	1.38E+08	137767251	+	8.666E-23	2.7094E-21	0.232841	hyper	sig	chr3_137767251
chr20	23048382	23048382	+	8.667E-23	2.7096E-21	0.311728	hyper	sig	chr20_23048382
chr17	1187147	1187147	+	8.676E-23	2.7122E-21	0.284079	hyper	sig	chr17_1187147
chr6	1.09E+08	108953261	+	8.677E-23	2.7126E-21	0.3078	hyper	sig	chr6_108953261
chr21	18244859	18244859	+	8.678E-23	2.7126E-21	0.375932	hyper	sig	chr21_18244859
chr6	1.5E+08	150037866	+	8.686E-23	2.715E-21	0.200141	hyper	sig	chr6_150037866
chr13	64958197	64958197	+	8.697E-23	2.7185E-21	-0.26225	hypo	sig	chr13_64958197
chr11	32434232	32434232	+	8.711E-23	2.7228E-21	0.347029	hyper	sig	chr11_32434232
chr6	28091191	28091191	+	8.712E-23	2.723E-21	0.274946	hyper	sig	chr6_28091191
chr9	1.35E+08	134643347	+	8.718E-23	2.7245E-21	0.338493	hyper	sig	chr9_134643347
chr1	1.65E+08	164781016	+	8.726E-23	2.7269E-21	0.281756	hyper	sig	chr1_164781016
chr11	624541	624541	+	8.727E-23	2.727E-21	-0.32578	hypo	sig	chr11_624541
chr11	69818998	69818998	+	8.734E-23	2.7294E-21	0.315218	hyper	sig	chr11_69818998
chr1	16520641	16520641	+	8.745E-23	2.7324E-21	0.273497	hyper	sig	chr1_16520641
chr9	1.1E+08	110208286	+	8.744E-23	2.7324E-21	-0.27026	hypo	sig	chr9_110208286
chr3	1.23E+08	122910946	+	8.75E-23	2.734E-21	-0.24946	hypo	sig	chr3_122910946
chr8	88327910	88327910	+	8.75E-23	2.734E-21	0.260369	hyper	sig	chr8_88327910
chr8	38318061	38318061	+	8.756E-23	2.7356E-21	0.20094	hyper	sig	chr8_38318061
chr7	1.39E+08	138664052	+	8.777E-23	2.742E-21	0.303834	hyper	sig	chr7_138664052
chr1	1.45E+08	144567562	+	8.786E-23	2.7447E-21	0.299007	hyper	sig	chr1_144567562
chr17	47690287	47690287	+	8.794E-23	2.7472E-21	-0.27875	hypo	sig	chr17_47690287

chr3	1.73E+08	173141179	+	8.796E-23	2.7476E-21	-0.26516	hypo	sig	chr3_173141179
chr7	1.58E+08	157529905	+	8.807E-23	2.7509E-21	-0.33105	hypo	sig	chr7_157529905
chr1	1445209	1445209	+	8.809E-23	2.7517E-21	-0.33321	hypo	sig	chr1_1445209
chr14	1.02E+08	101781863	+	8.814E-23	2.753E-21	0.370809	hyper	sig	chr14_101781863
chr5	1.41E+08	140848783	+	8.819E-23	2.7545E-21	0.30783	hyper	sig	chr5_140848783
chr2	2.37E+08	236769514	+	8.825E-23	2.7561E-21	-0.2865	hypo	sig	chr2_236769514
chr7	27122155	27122155	+	8.825E-23	2.7561E-21	-0.2776	hypo	sig	chr7_27122155
chr14	34540628	34540628	+	8.83E-23	2.7576E-21	-0.33431	hypo	sig	chr14_34540628
chr12	1.14E+08	114405538	+	8.834E-23	2.7586E-21	0.272919	hyper	sig	chr12_114405538
chr7	1.04E+08	104328887	+	8.843E-23	2.7615E-21	0.250557	hyper	sig	chr7_104328887
chr4	1309922	1309922	+	8.853E-23	2.7644E-21	0.287516	hyper	sig	chr4_1309922
chr3	1.47E+08	147423143	+	8.859E-23	2.7662E-21	0.313249	hyper	sig	chr3_147423143
chr7	24283619	24283619	+	8.861E-23	2.7666E-21	0.329954	hyper	sig	chr7_24283619
chr1	1.47E+08	147178263	+	8.862E-23	2.7668E-21	0.29012	hyper	sig	chr1_147178263
chr16	1044684	1044684	+	8.88E-23	2.7724E-21	-0.33129	hypo	sig	chr16_1044684
chr2	74516279	74516279	+	8.881E-23	2.7725E-21	0.239116	hyper	sig	chr2_74516279
chr13	24932202	24932202	+	8.888E-23	2.7747E-21	0.291743	hyper	sig	chr13_24932202
chr20	45298006	45298006	+	8.89E-23	2.7752E-21	-0.40879	hypo	sig	chr20_45298006
chr11	20598608	20598608	+	8.898E-23	2.7777E-21	0.313358	hyper	sig	chr11_20598608
chr17	21397420	21397420	+	8.901E-23	2.7783E-21	0.365942	hyper	sig	chr17_21397420
chr10	1.19E+08	119315772	+	8.904E-23	2.7793E-21	-0.29954	hypo	sig	chr10_119315772
chr19	12513825	12513825	+	8.91E-23	2.7811E-21	0.325055	hyper	sig	chr19_12513825
chr6	50849489	50849489	+	8.919E-23	2.7838E-21	0.339482	hyper	sig	chr6_50849489
chr17	29613479	29613479	+	8.931E-23	2.7873E-21	0.302733	hyper	sig	chr17_29613479
chr16	31565551	31565551	+	8.945E-23	2.7917E-21	-0.32316	hypo	sig	chr16_31565551
chr16	2961674	2961674	+	8.946E-23	2.7919E-21	-0.31694	hypo	sig	chr16_2961674
chr5	1.79E+08	179060146	+	8.953E-23	2.7939E-21	0.30285	hyper	sig	chr5_179060146
chr18	9535903	9535903	+	8.956E-23	2.7945E-21	0.286771	hyper	sig	chr18_9535903
chr6	36979499	36979499	+	8.956E-23	2.7945E-21	0.30561	hyper	sig	chr6_36979499
chr16	8712774	8712774	+	8.967E-23	2.7979E-21	0.275508	hyper	sig	chr16_8712774
chr10	23172625	23172625	+	8.969E-23	2.7985E-21	0.319682	hyper	sig	chr10_23172625
chr16	86513768	86513768	+	8.991E-23	2.8051E-21	0.355437	hyper	sig	chr16_86513768
chr2	5696200	5696200	+	8.991E-23	2.8051E-21	0.344407	hyper	sig	chr2_5696200
chr3	21406057	21406057	+	8.994E-23	2.8058E-21	-0.28403	hypo	sig	chr3_21406057
chr6	1.38E+08	137879256	+	8.996E-23	2.8064E-21	0.224268	hyper	sig	chr6_137879256
chr3	1.27E+08	126540513	+	8.998E-23	2.8068E-21	-0.33553	hypo	sig	chr3_126540513
chr16	55656506	55656506	+	9.008E-23	2.8098E-21	0.277752	hyper	sig	chr16_55656506
chr8	23702529	23702529	+	9.02E-23	2.8135E-21	0.325193	hyper	sig	chr8_23702529
chr14	44963255	44963255	+	9.033E-23	2.8174E-21	0.265505	hyper	sig	chr14_44963255
chr12	6374626	6374626	+	9.04E-23	2.8194E-21	-0.32284	hypo	sig	chr12_6374626
chr2	88765324	88765324	+	9.059E-23	2.8253E-21	0.308085	hyper	sig	chr2_88765324
chr16	3236070	3236070	+	9.084E-23	2.833E-21	-0.35401	hypo	sig	chr16_3236070
chr16	54936557	54936557	+	9.093E-23	2.8358E-21	0.253448	hyper	sig	chr16_54936557
chr2	1.42E+08	142130274	+	9.097E-23	2.8367E-21	0.206065	hyper	sig	chr2_142130274
chr5	1.75E+08	175443895	+	9.098E-23	2.837E-21	0.31706	hyper	sig	chr5_175443895
chr6	30207085	30207085	+	9.11E-23	2.8405E-21	-0.32185	hypo	sig	chr6_30207085
chr2	2.02E+08	202171490	+	9.122E-23	2.8442E-21	0.259118	hyper	sig	chr2_202171490
chr1	25890777	25890777	+	9.126E-23	2.8454E-21	-0.296	hypo	sig	chr1_25890777
chr9	34809715	34809715	+	9.126E-23	2.8454E-21	0.324523	hyper	sig	chr9_34809715
chr19	36916560	36916560	+	9.135E-23	2.8481E-21	0.221715	hyper	sig	chr19_36916560
chr7	30505522	30505522	+	9.151E-23	2.8528E-21	-0.2673	hypo	sig	chr7_30505522
chr7	8434914	8434914	+	9.154E-23	2.8536E-21	0.397392	hyper	sig	chr7_8434914
chr15	41894887	41894887	+	9.159E-23	2.855E-21	-0.20252	hypo	sig	chr15_41894887
chr3	75671018	75671018	+	9.163E-23	2.8561E-21	0.290893	hyper	sig	chr3_75671018
chr5	1.71E+08	171315326	+	9.164E-23	2.8563E-21	0.307127	hyper	sig	chr5_171315326
chr20	36876108	36876108	+	9.166E-23	2.8568E-21	-0.33308	hypo	sig	chr20_36876108

chr11	1351408	1351408	+	9.173E-23	2.859E-21	-0.29014	hypo	sig	chr11_1351408
chr16	86498746	86498746	+	9.176E-23	2.8599E-21	0.366936	hyper	sig	chr16_86498746
chr10	1.24E+08	123892072	+	9.177E-23	2.86E-21	0.231661	hyper	sig	chr10_123892072
chr16	86337800	86337800	+	9.185E-23	2.8623E-21	-0.29171	hypo	sig	chr16_86337800
chr4	1.9E+08	190020619	+	9.186E-23	2.8625E-21	0.257846	hyper	sig	chr4_190020619
chr7	1.57E+08	157078540	+	9.2E-23	2.8668E-21	0.284785	hyper	sig	chr7_157078540
chr8	1.42E+08	142410353	+	9.205E-23	2.8683E-21	-0.3991	hypo	sig	chr8_142410353
chr6	34133749	34133749	+	9.206E-23	2.8686E-21	-0.25073	hypo	sig	chr6_34133749
chr10	99530555	99530555	+	9.211E-23	2.8698E-21	0.28417	hyper	sig	chr10_99530555
chr11	3152862	3152862	+	9.214E-23	2.8707E-21	0.28918	hyper	sig	chr11_3152862
chr2	2.2E+08	219553129	+	9.216E-23	2.8714E-21	0.264274	hyper	sig	chr2_219553129
chr1	27884301	27884301	+	9.221E-23	2.8728E-21	-0.30993	hypo	sig	chr1_27884301
chr1	10649645	10649645	+	9.233E-23	2.8762E-21	0.332725	hyper	sig	chr1_10649645
chr2	68318826	68318826	+	9.239E-23	2.8782E-21	0.508831	hyper	sig	chr2_68318826
chr3	11568725	11568725	+	9.246E-23	2.8802E-21	0.287932	hyper	sig	chr3_11568725
chr2	468252	468252	+	9.254E-23	2.8825E-21	0.28256	hyper	sig	chr2_468252
chr3	1.28E+08	128486455	+	9.254E-23	2.8825E-21	0.307578	hyper	sig	chr3_128486455
chr1	1.71E+08	170662290	+	9.261E-23	2.8845E-21	0.266402	hyper	sig	chr1_170662290
chr17	64779194	64779194	+	9.305E-23	2.8982E-21	0.362281	hyper	sig	chr17_64779194
chr5	1.38E+08	138139005	+	9.314E-23	2.9008E-21	0.340195	hyper	sig	chr5_138139005
chr5	1.29E+08	128537713	+	9.317E-23	2.9016E-21	0.253715	hyper	sig	chr5_128537713
chr11	1.23E+08	122976534	+	9.326E-23	2.9043E-21	0.394988	hyper	sig	chr11_122976534
chr12	78804360	78804360	+	9.327E-23	2.9045E-21	-0.29054	hypo	sig	chr12_78804360
chr17	82875600	82875600	+	9.33E-23	2.9054E-21	-0.30546	hypo	sig	chr17_82875600
chr7	1.57E+08	157020336	+	9.333E-23	2.906E-21	0.30592	hyper	sig	chr7_157020336
chr7	32427910	32427910	+	9.335E-23	2.9068E-21	0.354892	hyper	sig	chr7_32427910
chr5	88685363	88685363	+	9.356E-23	2.9131E-21	0.30273	hyper	sig	chr5_88685363
chr6	32153118	32153118	+	9.357E-23	2.9132E-21	0.269419	hyper	sig	chr6_32153118
chr19	49436679	49436679	+	9.385E-23	2.9219E-21	0.2572	hyper	sig	chr19_49436679
chr14	1.01E+08	101442745	+	9.389E-23	2.9231E-21	-0.47766	hypo	sig	chr14_101442745
chr10	22927766	22927766	+	9.392E-23	2.9239E-21	0.291475	hyper	sig	chr10_22927766
chr14	99781581	99781581	+	9.418E-23	2.932E-21	-0.32173	hypo	sig	chr14_99781581
chr1	18632933	18632933	+	9.424E-23	2.9336E-21	0.256417	hyper	sig	chr1_18632933
chr11	32429054	32429054	+	9.424E-23	2.9336E-21	0.258781	hyper	sig	chr11_32429054
chr13	1.02E+08	101917486	+	9.435E-23	2.9368E-21	0.239961	hyper	sig	chr13_101917486
chr3	32817925	32817925	+	9.435E-23	2.9368E-21	0.234817	hyper	sig	chr3_32817925
chr13	1.12E+08	112069264	+	9.436E-23	2.9369E-21	0.274487	hyper	sig	chr13_112069264
chr2	2.39E+08	239240119	+	9.437E-23	2.937E-21	0.289074	hyper	sig	chr2_239240119
chr8	42052805	42052805	+	9.441E-23	2.9383E-21	-0.34948	hypo	sig	chr8_42052805
chr11	61949358	61949358	+	9.456E-23	2.9427E-21	0.296615	hyper	sig	chr11_61949358
chr1	1.19E+08	119007847	+	9.497E-23	2.9553E-21	0.356686	hyper	sig	chr1_119007847
chr7	226406	226406	+	9.5E-23	2.9561E-21	-0.36012	hypo	sig	chr7_226406
chr11	1.32E+08	132237627	+	9.508E-23	2.9586E-21	-0.24324	hypo	sig	chr11_132237627
chr10	1.33E+08	133029512	+	9.512E-23	2.9598E-21	-0.33712	hypo	sig	chr10_133029512
chr19	53255282	53255282	+	9.517E-23	2.9611E-21	0.3684	hyper	sig	chr19_53255282
chr1	27403574	27403574	+	9.545E-23	2.9696E-21	0.320039	hyper	sig	chr1_27403574
chr6	1.61E+08	160679551	+	9.547E-23	2.9701E-21	0.315864	hyper	sig	chr6_160679551
chr12	86296643	86296643	+	9.553E-23	2.9718E-21	-0.35444	hypo	sig	chr12_86296643
chr2	1.85E+08	184598169	+	9.553E-23	2.9718E-21	0.234749	hyper	sig	chr2_184598169
chr13	1.12E+08	112069255	+	9.559E-23	2.9736E-21	0.289372	hyper	sig	chr13_112069255
chr2	98346578	98346578	+	9.559E-23	2.9736E-21	0.290988	hyper	sig	chr2_98346578
chr11	27722008	27722008	+	9.56E-23	2.9737E-21	0.269246	hyper	sig	chr11_27722008
chr12	81077975	81077975	+	9.562E-23	2.9741E-21	0.303273	hyper	sig	chr12_81077975
chr5	777350	777350	+	9.566E-23	2.9753E-21	0.267713	hyper	sig	chr5_777350
chr12	1.17E+08	116882085	+	9.567E-23	2.9754E-21	0.22183	hyper	sig	chr12_116882085
chr1	1.08E+08	107964452	+	9.567E-23	2.9754E-21	0.260465	hyper	sig	chr1_107964452

chr4	1.11E+08	110628842	+	9.568E-23	2.9756E-21	0.286775	hyper	sig	chr4_110628842
chr11	1.16E+08	115659463	+	9.573E-23	2.9769E-21	0.261389	hyper	sig	chr11_115659463
chr17	15704643	15704643	+	9.573E-23	2.9769E-21	-0.3327	hypo	sig	chr17_15704643
chr11	1.32E+08	131910382	+	9.599E-23	2.9847E-21	0.271807	hyper	sig	chr11_131910382
chr13	1.13E+08	112994615	+	9.609E-23	2.9879E-21	-0.34293	hypo	sig	chr13_112994615
chr10	83563241	83563241	+	9.61E-23	2.9882E-21	-0.28547	hypo	sig	chr10_83563241
chr3	1.34E+08	133745571	+	9.612E-23	2.9885E-21	-0.27471	hypo	sig	chr3_133745571
chr7	1.28E+08	128270870	+	9.638E-23	2.9966E-21	0.285864	hyper	sig	chr7_128270870
chr3	1.28E+08	128490542	+	9.639E-23	2.9968E-21	0.243189	hyper	sig	chr3_128490542
chr6	1.59E+08	158649998	+	9.641E-23	2.9971E-21	-0.29167	hypo	sig	chr6_158649998
chr7	1.59E+08	159144430	+	9.643E-23	2.9978E-21	0.281803	hyper	sig	chr7_159144430
chr7	1.01E+08	101299857	+	9.652E-23	3.0004E-21	0.387053	hyper	sig	chr7_101299857
chr5	1.8E+08	179529837	+	9.653E-23	3.0005E-21	-0.23902	hypo	sig	chr5_179529837
chr6	1.16E+08	116370221	+	9.66E-23	3.0027E-21	0.350481	hyper	sig	chr6_116370221
chr17	52157989	52157989	+	9.668E-23	3.0049E-21	0.31296	hyper	sig	chr17_52157989
chr3	50365695	50365695	+	9.671E-23	3.0058E-21	-0.26738	hypo	sig	chr3_50365695
chr1	54548303	54548303	+	9.683E-23	3.0092E-21	0.357095	hyper	sig	chr1_54548303
chr10	1.01E+08	101237635	+	9.685E-23	3.0098E-21	0.295529	hyper	sig	chr10_101237635
chr1	1.19E+08	118989433	+	9.687E-23	3.0105E-21	0.304422	hyper	sig	chr1_118989433
chr17	5499733	5499733	+	9.69E-23	3.0111E-21	0.284438	hyper	sig	chr17_5499733
chr1	2.25E+08	225484202	+	9.693E-23	3.0119E-21	0.264898	hyper	sig	chr1_225484202
chr6	1.33E+08	133242206	+	9.718E-23	3.0195E-21	0.22176	hyper	sig	chr6_133242206
chr8	1.43E+08	142510447	+	9.721E-23	3.0206E-21	0.347912	hyper	sig	chr8_142510447
chr7	27102491	27102491	+	9.735E-23	3.0247E-21	0.370645	hyper	sig	chr7_27102491
chr1	2248588	2248588	+	9.77E-23	3.0356E-21	-0.32457	hypo	sig	chr1_2248588
chr3	1.39E+08	138950131	+	9.8E-23	3.0447E-21	0.21419	hyper	sig	chr3_138950131
chr6	1.5E+08	149964693	+	9.812E-23	3.0483E-21	0.234876	hyper	sig	chr6_149964693
chr20	40690852	40690852	+	9.822E-23	3.0511E-21	0.301736	hyper	sig	chr20_40690852
chr5	1.13E+08	113434811	+	9.822E-23	3.0511E-21	-0.2117	hypo	sig	chr5_113434811
chr3	21406043	21406043	+	9.831E-23	3.0537E-21	-0.29894	hypo	sig	chr3_21406043
chr2	40451530	40451530	+	9.839E-23	3.0563E-21	0.258011	hyper	sig	chr2_40451530
chr20	9514838	9514838	+	9.859E-23	3.0622E-21	0.227894	hyper	sig	chr20_9514838
chr6	33010602	33010602	+	9.862E-23	3.063E-21	-0.29057	hypo	sig	chr6_33010602
chr16	51156348	51156348	+	9.869E-23	3.0653E-21	0.364775	hyper	sig	chr16_51156348
chr2	1.05E+08	105241626	+	9.884E-23	3.0696E-21	-0.30383	hypo	sig	chr2_105241626
chr6	29828090	29828090	+	9.885E-23	3.0698E-21	0.224324	hyper	sig	chr6_29828090
chr16	31107875	31107875	+	9.886E-23	3.0701E-21	-0.30413	hypo	sig	chr16_31107875
chr1	2276420	2276420	+	9.888E-23	3.0705E-21	0.275954	hyper	sig	chr1_2276420
chr12	1.03E+08	103302387	+	9.893E-23	3.0719E-21	0.321313	hyper	sig	chr12_103302387
chr22	48550264	48550264	+	9.893E-23	3.0719E-21	-0.31084	hypo	sig	chr22_48550264
chr7	24284341	24284341	+	9.893E-23	3.0719E-21	0.309807	hyper	sig	chr7_24284341
chr18	47251345	47251345	+	9.929E-23	3.0827E-21	0.282842	hyper	sig	chr18_47251345
chr8	1.17E+08	116938240	+	9.931E-23	3.0834E-21	0.286403	hyper	sig	chr8_116938240
chr4	1.09E+08	109302639	+	9.95E-23	3.0891E-21	0.293889	hyper	sig	chr4_109302639
chr1	2E+08	200035629	+	9.966E-23	3.0939E-21	0.288224	hyper	sig	chr1_200035629
chr1	3067972	3067972	+	9.97E-23	3.095E-21	0.245525	hyper	sig	chr1_3067972
chr2	951533	951533	+	9.981E-23	3.0984E-21	0.389842	hyper	sig	chr2_951533
chr19	58440741	58440741	+	9.981E-23	3.0985E-21	0.310042	hyper	sig	chr19_58440741
chr2	1.19E+08	118835049	+	9.984E-23	3.099E-21	0.222401	hyper	sig	chr2_118835049
chr10	23173229	23173229	+	1.001E-22	3.1083E-21	0.3298	hyper	sig	chr10_23173229
chr1	37034946	37034946	+	1.002E-22	3.1087E-21	0.234725	hyper	sig	chr1_37034946
chr1	54548283	54548283	+	1.003E-22	3.1114E-21	0.377506	hyper	sig	chr1_54548283
chr7	1.37E+08	136868938	+	1.003E-22	3.1114E-21	0.318513	hyper	sig	chr7_136868938
chr16	87860934	87860934	+	1.003E-22	3.1141E-21	0.299338	hyper	sig	chr16_87860934
chr2	2.39E+08	239349297	+	1.004E-22	3.1149E-21	0.354674	hyper	sig	chr2_239349297
chr6	1.08E+08	108165183	+	1.004E-22	3.115E-21	0.382688	hyper	sig	chr6_108165183

chr11	24496798	24496798	+	1.005E-22	3.1196E-21	0.224351	hyper	sig	chr11_24496798
chr1	38578520	38578520	+	1.006E-22	3.1207E-21	0.217662	hyper	sig	chr1_38578520
chr10	1.01E+08	100519892	+	1.006E-22	3.1213E-21	0.357262	hyper	sig	chr10_100519892
chr6	32844972	32844972	+	1.006E-22	3.1226E-21	-0.22151	hypo	sig	chr6_32844972
chr12	6556281	6556281	+	1.007E-22	3.1247E-21	0.286329	hyper	sig	chr12_6556281
chr6	31766340	31766340	+	1.007E-22	3.1251E-21	0.317119	hyper	sig	chr6_31766340
chr5	32712981	32712981	+	1.008E-22	3.1277E-21	0.313219	hyper	sig	chr5_32712981
chr17	1559540	1559540	+	1.009E-22	3.1286E-21	0.252325	hyper	sig	chr17_1559540
chr9	1.34E+08	133918369	+	1.01E-22	3.1327E-21	0.355794	hyper	sig	chr9_133918369
chr12	49961533	49961533	+	1.011E-22	3.1371E-21	0.308434	hyper	sig	chr12_49961533
chr4	92303864	92303864	+	1.012E-22	3.1375E-21	0.231768	hyper	sig	chr4_92303864
chr17	81312155	81312155	+	1.012E-22	3.1389E-21	-0.28289	hypo	sig	chr17_81312155
chr17	79981717	79981717	+	1.015E-22	3.1468E-21	0.311251	hyper	sig	chr17_79981717
chr12	1.14E+08	114403090	+	1.016E-22	3.1519E-21	0.327825	hyper	sig	chr12_114403090
chr19	46413250	46413250	+	1.016E-22	3.1524E-21	0.270722	hyper	sig	chr19_46413250
chr2	2.19E+08	219332933	+	1.017E-22	3.1536E-21	0.276036	hyper	sig	chr2_219332933
chr1	2.27E+08	226736610	+	1.018E-22	3.1577E-21	0.26358	hyper	sig	chr1_226736610
chr5	1.41E+08	141096143	+	1.018E-22	3.1578E-21	0.30545	hyper	sig	chr5_141096143
chr6	14917090	14917090	+	1.019E-22	3.1582E-21	0.233782	hyper	sig	chr6_14917090
chr6	1.08E+08	108163844	+	1.019E-22	3.1606E-21	0.248828	hyper	sig	chr6_108163844
chr13	99989155	99989155	+	1.022E-22	3.1699E-21	0.260166	hyper	sig	chr13_99989155
chr11	15938075	15938075	+	1.022E-22	3.1701E-21	0.28631	hyper	sig	chr11_15938075
chr19	1876634	1876634	+	1.023E-22	3.171E-21	0.287701	hyper	sig	chr19_1876634
chr10	86263390	86263390	+	1.023E-22	3.1717E-21	0.293906	hyper	sig	chr10_86263390
chr16	3189356	3189356	+	1.023E-22	3.1717E-21	0.281816	hyper	sig	chr16_3189356
chr8	23573373	23573373	+	1.026E-22	3.1796E-21	0.293443	hyper	sig	chr8_23573373
chr11	364799	364799	+	1.026E-22	3.1817E-21	-0.3313	hypo	sig	chr11_364799
chr9	93346128	93346128	+	1.028E-22	3.185E-21	0.316095	hyper	sig	chr9_93346128
chr1	2237808	2237808	+	1.028E-22	3.1875E-21	0.309656	hyper	sig	chr1_2237808
chr16	73063080	73063080	+	1.028E-22	3.1876E-21	-0.26916	hypo	sig	chr16_73063080
chr8	1.4E+08	139702767	+	1.03E-22	3.1909E-21	0.202945	hyper	sig	chr8_139702767
chr16	67884910	67884910	+	1.034E-22	3.2051E-21	0.348214	hyper	sig	chr16_67884910
chr16	1990891	1990891	+	1.034E-22	3.2057E-21	0.233505	hyper	sig	chr16_1990891
chr19	1908147	1908147	+	1.035E-22	3.2059E-21	-0.30901	hypo	sig	chr19_1908147
chr8	76683124	76683124	+	1.035E-22	3.2072E-21	0.337059	hyper	sig	chr8_76683124
chr3	1.98E+08	198081770	+	1.035E-22	3.2078E-21	0.325	hyper	sig	chr3_198081770
chr5	37836120	37836120	+	1.036E-22	3.2096E-21	0.283874	hyper	sig	chr5_37836120
chr4	1099887	1099887	+	1.037E-22	3.2123E-21	-0.25976	hypo	sig	chr4_1099887
chr20	64064299	64064299	+	1.039E-22	3.2191E-21	0.325732	hyper	sig	chr20_64064299
chr11	94545415	94545415	+	1.04E-22	3.2206E-21	-0.30776	hypo	sig	chr11_94545415
chr19	7676860	7676860	+	1.041E-22	3.226E-21	-0.2235	hypo	sig	chr19_7676860
chr1	2.21E+08	220895492	+	1.043E-22	3.2299E-21	0.283587	hyper	sig	chr1_220895492
chr19	35225118	35225118	+	1.044E-22	3.2332E-21	0.375463	hyper	sig	chr19_35225118
chr1	1.19E+08	118979616	+	1.044E-22	3.2343E-21	0.292075	hyper	sig	chr1_118979616
chr10	99234137	99234137	+	1.045E-22	3.2354E-21	0.250577	hyper	sig	chr10_99234137
chr5	71719683	71719683	+	1.046E-22	3.2389E-21	0.366077	hyper	sig	chr5_71719683
chr12	1.03E+08	102962177	+	1.046E-22	3.2392E-21	0.30731	hyper	sig	chr12_102962177
chr3	13621969	13621969	+	1.047E-22	3.2418E-21	-0.28569	hypo	sig	chr3_13621969
chr2	1.54E+08	153871432	+	1.048E-22	3.2468E-21	0.348697	hyper	sig	chr2_153871432
chr19	39197277	39197277	+	1.049E-22	3.2494E-21	0.239977	hyper	sig	chr19_39197277
chr10	618841	618841	+	1.049E-22	3.2499E-21	0.282759	hyper	sig	chr10_618841
chr11	27234215	27234215	+	1.05E-22	3.2501E-21	-0.27042	hypo	sig	chr11_27234215
chr7	1.59E+08	159158638	+	1.052E-22	3.2581E-21	-0.27321	hypo	sig	chr7_159158638
chr16	57091936	57091936	+	1.053E-22	3.2606E-21	0.256881	hyper	sig	chr16_57091936
chr3	10816032	10816032	+	1.053E-22	3.2611E-21	0.370157	hyper	sig	chr3_10816032
chr16	1057372	1057372	+	1.054E-22	3.2629E-21	-0.27749	hypo	sig	chr16_1057372

chr19	4891120	4891120	+	1.054E-22	3.2642E-21	-0.33671	hypo	sig	chr19_4891120
chr2	1.19E+08	118857377	+	1.055E-22	3.2653E-21	0.363718	hyper	sig	chr2_118857377
chr7	524500	524500	+	1.055E-22	3.2665E-21	-0.26825	hypo	sig	chr7_524500
chr11	27699584	27699584	+	1.058E-22	3.2765E-21	0.214374	hyper	sig	chr11_27699584
chr2	2191674	2191674	+	1.059E-22	3.2766E-21	-0.30484	hypo	sig	chr2_2191674
chr17	47774525	47774525	+	1.059E-22	3.2769E-21	-0.31842	hypo	sig	chr17_47774525
chr5	1.29E+08	128537707	+	1.06E-22	3.2794E-21	0.256146	hyper	sig	chr5_128537707
chr5	1.29E+08	128536477	+	1.06E-22	3.2811E-21	0.313624	hyper	sig	chr5_128536477
chr11	295633	295633	+	1.06E-22	3.2816E-21	0.227137	hyper	sig	chr11_295633
chr11	31799867	31799867	+	1.061E-22	3.2836E-21	0.298278	hyper	sig	chr11_31799867
chr5	405350	405350	+	1.061E-22	3.2841E-21	-0.3133	hypo	sig	chr5_405350
chr6	84764783	84764783	+	1.063E-22	3.2879E-21	0.239082	hyper	sig	chr6_84764783
chr8	23573391	23573391	+	1.063E-22	3.2888E-21	0.270979	hyper	sig	chr8_23573391
chr5	1.41E+08	141121781	+	1.063E-22	3.29E-21	0.287565	hyper	sig	chr5_141121781
chr5	1.41E+08	141372053	+	1.065E-22	3.2939E-21	0.317288	hyper	sig	chr5_141372053
chr17	78666001	78666001	+	1.065E-22	3.2939E-21	-0.34612	hypo	sig	chr17_78666001
chr6	1.66E+08	166168700	+	1.065E-22	3.2949E-21	0.20824	hyper	sig	chr6_166168700
chr3	48897883	48897883	+	1.065E-22	3.2958E-21	-0.30853	hypo	sig	chr3_48897883
chr17	45395575	45395575	+	1.067E-22	3.3E-21	0.400065	hyper	sig	chr17_45395575
chr5	51389790	51389790	+	1.067E-22	3.3003E-21	0.277585	hyper	sig	chr5_51389790
chr19	5036993	5036993	+	1.068E-22	3.3024E-21	0.277992	hyper	sig	chr19_5036993
chr12	1.32E+08	132331931	+	1.068E-22	3.3038E-21	-0.33252	hypo	sig	chr12_132331931
chr16	4112540	4112540	+	1.069E-22	3.306E-21	0.236933	hyper	sig	chr16_4112540
chr7	4135646	4135646	+	1.07E-22	3.3098E-21	-0.3005	hypo	sig	chr7_4135646
chr12	1860950	1860950	+	1.072E-22	3.3144E-21	-0.32719	hypo	sig	chr12_1860950
chr19	5838749	5838749	+	1.073E-22	3.3181E-21	-0.24928	hypo	sig	chr19_5838749
chr12	1.31E+08	130711872	+	1.074E-22	3.3201E-21	-0.30451	hypo	sig	chr12_130711872
chr2	2.42E+08	241902626	+	1.074E-22	3.3207E-21	0.307232	hyper	sig	chr2_241902626
chr1	2.27E+08	226663040	+	1.075E-22	3.3233E-21	0.268863	hyper	sig	chr1_226663040
chr6	83709658	83709658	+	1.076E-22	3.3259E-21	0.334994	hyper	sig	chr6_83709658
chr1	17617911	17617911	+	1.077E-22	3.3287E-21	0.240447	hyper	sig	chr1_17617911
chr6	1.67E+08	166870840	+	1.077E-22	3.3304E-21	-0.34693	hypo	sig	chr6_166870840
chr17	15957649	15957649	+	1.078E-22	3.3322E-21	-0.29901	hypo	sig	chr17_15957649
chr7	35254826	35254826	+	1.079E-22	3.3362E-21	0.352102	hyper	sig	chr7_35254826
chr5	3590307	3590307	+	1.079E-22	3.3367E-21	0.375495	hyper	sig	chr5_3590307
chr2	1.3E+08	129979661	+	1.08E-22	3.3393E-21	0.204682	hyper	sig	chr2_129979661
chr1	3651473	3651473	+	1.08E-22	3.3398E-21	0.305565	hyper	sig	chr1_3651473
chr13	1.12E+08	111945279	+	1.086E-22	3.3559E-21	-0.30966	hypo	sig	chr13_111945279
chr10	70283794	70283794	+	1.086E-22	3.3564E-21	0.332349	hyper	sig	chr10_70283794
chr5	88678327	88678327	+	1.088E-22	3.3626E-21	0.287779	hyper	sig	chr5_88678327
chr16	86618754	86618754	+	1.088E-22	3.3627E-21	-0.25642	hypo	sig	chr16_86618754
chr9	1.22E+08	122219739	+	1.09E-22	3.3689E-21	0.319972	hyper	sig	chr9_122219739
chr19	53132894	53132894	+	1.09E-22	3.3692E-21	0.297258	hyper	sig	chr19_53132894
chr13	24511118	24511118	+	1.09E-22	3.3693E-21	-0.32205	hypo	sig	chr13_24511118
chr5	2749671	2749671	+	1.091E-22	3.3727E-21	0.366289	hyper	sig	chr5_2749671
chr16	51153953	51153953	+	1.092E-22	3.3734E-21	0.357261	hyper	sig	chr16_51153953
chr6	50850496	50850496	+	1.092E-22	3.3735E-21	0.265984	hyper	sig	chr6_50850496
chr19	15181604	15181604	+	1.092E-22	3.3744E-21	-0.43214	hypo	sig	chr19_15181604
chr14	76138785	76138785	+	1.094E-22	3.3813E-21	0.334936	hyper	sig	chr14_76138785
chr4	30723174	30723174	+	1.095E-22	3.3831E-21	0.323705	hyper	sig	chr4_30723174
chr17	48545174	48545174	+	1.095E-22	3.3841E-21	0.251953	hyper	sig	chr17_48545174
chr11	10693898	10693898	+	1.096E-22	3.3855E-21	0.309785	hyper	sig	chr11_10693898
chr5	1.79E+08	179060825	+	1.097E-22	3.3899E-21	0.30173	hyper	sig	chr5_179060825
chr7	1193833	1193833	+	1.098E-22	3.393E-21	0.271154	hyper	sig	chr7_1193833
chr19	17329137	17329137	+	1.099E-22	3.3952E-21	0.232044	hyper	sig	chr19_17329137
chr3	1.54E+08	154428049	+	1.1E-22	3.3977E-21	0.34047	hyper	sig	chr3_154428049

chr19	13088146	13088146	+	1.101E-22	3.4006E-21	0.275158	hyper	sig	chr19_13088146
chr1	50425547	50425547	+	1.101E-22	3.4006E-21	0.34845	hyper	sig	chr1_50425547
chr11	1.12E+08	111912871	+	1.102E-22	3.4038E-21	0.303046	hyper	sig	chr11_111912871
chr10	99531579	99531579	+	1.103E-22	3.4075E-21	0.205114	hyper	sig	chr10_99531579
chr10	7412831	7412831	+	1.103E-22	3.4076E-21	0.374502	hyper	sig	chr10_7412831
chr2	1.37E+08	136770034	+	1.104E-22	3.4087E-21	-0.30792	hypo	sig	chr2_136770034
chr20	46035836	46035836	+	1.104E-22	3.4093E-21	-0.31532	hypo	sig	chr20_46035836
chr16	88316275	88316275	+	1.107E-22	3.4193E-21	-0.27074	hypo	sig	chr16_88316275
chr19	46471805	46471805	+	1.108E-22	3.4223E-21	0.279155	hyper	sig	chr19_46471805
chr15	69462349	69462349	+	1.113E-22	3.4366E-21	-0.24308	hypo	sig	chr15_69462349
chr17	7336324	7336324	+	1.114E-22	3.4405E-21	-0.26905	hypo	sig	chr17_7336324
chr10	49614694	49614694	+	1.115E-22	3.4417E-21	0.27563	hyper	sig	chr10_49614694
chr20	45316794	45316794	+	1.115E-22	3.4417E-21	0.370353	hyper	sig	chr20_45316794
chr17	61398134	61398134	+	1.115E-22	3.4431E-21	0.303259	hyper	sig	chr17_61398134
chr12	6364109	6364109	+	1.116E-22	3.4449E-21	-0.21255	hypo	sig	chr12_6364109
chr9	1.37E+08	136850216	+	1.118E-22	3.4504E-21	0.325795	hyper	sig	chr9_136850216
chr16	57384523	57384523	+	1.119E-22	3.4526E-21	-0.30833	hypo	sig	chr16_57384523
chr21	46661772	46661772	+	1.119E-22	3.4527E-21	0.351015	hyper	sig	chr21_46661772
chr7	2571547	2571547	+	1.119E-22	3.4542E-21	-0.35523	hypo	sig	chr7_2571547
chr3	1.47E+08	147392613	+	1.12E-22	3.4552E-21	0.265283	hyper	sig	chr3_147392613
chr1	1.44E+08	143651586	+	1.121E-22	3.4592E-21	0.314461	hyper	sig	chr1_143651586
chr6	50820251	50820251	+	1.121E-22	3.4599E-21	0.328269	hyper	sig	chr6_50820251
chr9	97852962	97852962	+	1.122E-22	3.4624E-21	0.287961	hyper	sig	chr9_97852962
chr4	7965537	7965537	+	1.122E-22	3.4625E-21	-0.33604	hypo	sig	chr4_7965537
chr3	46465062	46465062	+	1.124E-22	3.4687E-21	0.302043	hyper	sig	chr3_46465062
chr20	63254892	63254892	+	1.125E-22	3.4708E-21	0.351358	hyper	sig	chr20_63254892
chr15	99992997	99992997	+	1.126E-22	3.4739E-21	-0.32354	hypo	sig	chr15_99992997
chr1	1.1E+08	110151383	+	1.127E-22	3.4758E-21	0.255948	hyper	sig	chr1_110151383
chr2	65292627	65292627	+	1.128E-22	3.481E-21	0.254687	hyper	sig	chr2_65292627
chr3	1.22E+08	122183714	+	1.129E-22	3.4842E-21	0.233666	hyper	sig	chr3_122183714
chr10	1209055	1209055	+	1.13E-22	3.4856E-21	-0.34814	hypo	sig	chr10_1209055
chr17	45896973	45896973	+	1.13E-22	3.4864E-21	0.222352	hyper	sig	chr17_45896973
chr12	13165691	13165691	+	1.13E-22	3.4866E-21	-0.23045	hypo	sig	chr12_13165691
chr2	89610367	89610367	+	1.13E-22	3.4871E-21	-0.28399	hypo	sig	chr2_89610367
chr11	6319297	6319297	+	1.131E-22	3.4885E-21	0.3081	hyper	sig	chr11_6319297
chr7	63100109	63100109	+	1.131E-22	3.4886E-21	-0.28192	hypo	sig	chr7_63100109
chr4	1.09E+08	109302493	+	1.132E-22	3.4905E-21	0.227379	hyper	sig	chr4_109302493
chr4	1.74E+08	173511323	+	1.133E-22	3.4956E-21	-0.39309	hypo	sig	chr4_173511323
chr1	2.17E+08	217138189	+	1.135E-22	3.4988E-21	0.274042	hyper	sig	chr1_217138189
chr12	75209301	75209301	+	1.137E-22	3.505E-21	0.322751	hyper	sig	chr12_75209301
chr7	64043518	64043518	+	1.137E-22	3.5068E-21	-0.23441	hypo	sig	chr7_64043518
chr3	1.43E+08	143121306	+	1.138E-22	3.5083E-21	0.322383	hyper	sig	chr3_143121306
chr14	36654473	36654473	+	1.138E-22	3.5094E-21	0.335788	hyper	sig	chr14_36654473
chr6	1.5E+08	150037823	+	1.139E-22	3.5119E-21	0.21897	hyper	sig	chr6_150037823
chr16	611109	611109	+	1.142E-22	3.5199E-21	0.352207	hyper	sig	chr16_611109
chr16	77788519	77788519	+	1.142E-22	3.5207E-21	0.219477	hyper	sig	chr16_77788519
chr19	37251895	37251895	+	1.142E-22	3.5216E-21	0.305227	hyper	sig	chr19_37251895
chr5	1.41E+08	141343783	+	1.142E-22	3.5218E-21	0.272155	hyper	sig	chr5_141343783
chr8	93699940	93699940	+	1.144E-22	3.5266E-21	0.271442	hyper	sig	chr8_93699940
chr10	1.19E+08	118595136	+	1.145E-22	3.5291E-21	0.304193	hyper	sig	chr10_118595136
chr14	1.05E+08	105480097	+	1.147E-22	3.5355E-21	-0.2968	hypo	sig	chr14_105480097
chr7	27124204	27124204	+	1.147E-22	3.5369E-21	0.328376	hyper	sig	chr7_27124204
chr7	1.17E+08	116511967	+	1.148E-22	3.537E-21	-0.27734	hypo	sig	chr7_116511967
chr5	1.55E+08	154691560	+	1.148E-22	3.5389E-21	0.333642	hyper	sig	chr5_154691560
chr16	85534819	85534819	+	1.149E-22	3.5404E-21	0.218183	hyper	sig	chr16_85534819
chr8	11768956	11768956	+	1.15E-22	3.5443E-21	-0.25928	hypo	sig	chr8_11768956

chr5	1.46E+08	146379203	+	1.15E-22	3.545E-21	0.270081	hyper	sig	chr5_146379203
chr16	86495106	86495106	+	1.151E-22	3.5464E-21	0.306995	hyper	sig	chr16_86495106
chr16	4376450	4376450	+	1.152E-22	3.5503E-21	0.343909	hyper	sig	chr16_4376450
chr18	32471852	32471852	+	1.152E-22	3.5513E-21	-0.26935	hypo	sig	chr18_32471852
chr17	65538570	65538570	+	1.154E-22	3.5567E-21	-0.23521	hypo	sig	chr17_65538570
chr5	1.76E+08	175773509	+	1.155E-22	3.5603E-21	0.220628	hyper	sig	chr5_175773509
chr15	62244849	62244849	+	1.156E-22	3.5624E-21	-0.26392	hypo	sig	chr15_62244849
chr2	39779777	39779777	+	1.157E-22	3.5656E-21	0.273058	hyper	sig	chr2_39779777
chr7	1.51E+08	151166884	+	1.157E-22	3.5661E-21	0.256116	hyper	sig	chr7_151166884
chr8	92101969	92101969	+	1.158E-22	3.5661E-21	0.26512	hyper	sig	chr8_92101969
chr19	55506197	55506197	+	1.158E-22	3.5688E-21	-0.23701	hypo	sig	chr19_55506197
chr19	22422386	22422386	+	1.159E-22	3.5697E-21	0.259661	hyper	sig	chr19_22422386
chr9	88991066	88991066	+	1.159E-22	3.5714E-21	0.32001	hyper	sig	chr9_88991066
chr16	86566700	86566700	+	1.161E-22	3.575E-21	0.233354	hyper	sig	chr16_86566700
chr2	24827978	24827978	+	1.161E-22	3.5762E-21	0.287955	hyper	sig	chr2_24827978
chr6	28091151	28091151	+	1.162E-22	3.5781E-21	0.272667	hyper	sig	chr6_28091151
chr16	68642654	68642654	+	1.166E-22	3.5899E-21	0.307727	hyper	sig	chr16_68642654
chr5	42953441	42953441	+	1.167E-22	3.5928E-21	0.373072	hyper	sig	chr5_42953441
chr12	4809726	4809726	+	1.167E-22	3.5936E-21	0.298023	hyper	sig	chr12_4809726
chr7	1.51E+08	151125826	+	1.167E-22	3.5937E-21	0.354917	hyper	sig	chr7_151125826
chr11	32434154	32434154	+	1.168E-22	3.5956E-21	0.284779	hyper	sig	chr11_32434154
chr2	1.61E+08	161427451	+	1.169E-22	3.6002E-21	0.220603	hyper	sig	chr2_161427451
chr6	1625240	1625240	+	1.17E-22	3.6013E-21	0.294831	hyper	sig	chr6_1625240
chr4	1339190	1339190	+	1.171E-22	3.6043E-21	-0.22687	hypo	sig	chr4_1339190
chr11	1.27E+08	127000344	+	1.171E-22	3.6063E-21	0.214295	hyper	sig	chr11_127000344
chr3	75671081	75671081	+	1.172E-22	3.6071E-21	0.31758	hyper	sig	chr3_75671081
chr10	1.16E+08	116272120	+	1.172E-22	3.6086E-21	0.233638	hyper	sig	chr10_116272120
chr1	1.56E+08	156490720	+	1.173E-22	3.6101E-21	0.398974	hyper	sig	chr1_156490720
chr5	1.41E+08	141235937	+	1.173E-22	3.6101E-21	0.350036	hyper	sig	chr5_141235937
chr8	64578622	64578622	+	1.173E-22	3.6121E-21	0.262231	hyper	sig	chr8_64578622
chr22	44181195	44181195	+	1.174E-22	3.6124E-21	-0.29377	hypo	sig	chr22_44181195
chr12	57632459	57632459	+	1.177E-22	3.6241E-21	0.248371	hyper	sig	chr12_57632459
chr3	49422507	49422507	+	1.182E-22	3.6392E-21	0.245709	hyper	sig	chr3_49422507
chr3	1.23E+08	123447927	+	1.185E-22	3.6467E-21	0.342662	hyper	sig	chr3_123447927
chr3	1.38E+08	137763379	+	1.186E-22	3.6499E-21	0.34711	hyper	sig	chr3_137763379
chr11	30584023	30584023	+	1.189E-22	3.6592E-21	0.354033	hyper	sig	chr11_30584023
chr20	3240233	3240233	+	1.189E-22	3.6592E-21	0.251674	hyper	sig	chr20_3240233
chr19	9498624	9498624	+	1.191E-22	3.6656E-21	0.343072	hyper	sig	chr19_9498624
chr9	1.24E+08	124015382	+	1.192E-22	3.6664E-21	0.31786	hyper	sig	chr9_124015382
chr6	1.18E+08	117920405	+	1.192E-22	3.6682E-21	0.276142	hyper	sig	chr6_117920405
chr5	1.41E+08	141403121	+	1.195E-22	3.6776E-21	0.343935	hyper	sig	chr5_141403121
chr2	1.27E+08	127025064	+	1.196E-22	3.679E-21	0.233468	hyper	sig	chr2_127025064
chr2	1.44E+08	143937546	+	1.197E-22	3.6823E-21	0.270954	hyper	sig	chr2_143937546
chr1	37034869	37034869	+	1.197E-22	3.6837E-21	0.253774	hyper	sig	chr1_37034869
chr20	56627004	56627004	+	1.201E-22	3.6939E-21	0.354245	hyper	sig	chr20_56627004
chr1	2.21E+08	220878726	+	1.202E-22	3.6965E-21	0.203386	hyper	sig	chr1_220878726
chr4	1.09E+08	109302668	+	1.204E-22	3.703E-21	0.311475	hyper	sig	chr4_109302668
chr13	36674858	36674858	+	1.204E-22	3.7046E-21	0.321805	hyper	sig	chr13_36674858
chr13	78596824	78596824	+	1.205E-22	3.7062E-21	0.307536	hyper	sig	chr13_78596824
chr18	10589115	10589115	+	1.206E-22	3.7081E-21	-0.34799	hypo	sig	chr18_10589115
chr14	24311518	24311518	+	1.207E-22	3.713E-21	0.267394	hyper	sig	chr14_24311518
chr4	1369905	1369905	+	1.208E-22	3.7136E-21	0.242228	hyper	sig	chr4_1369905
chr1	2.02E+08	202010705	+	1.208E-22	3.7138E-21	-0.26221	hypo	sig	chr1_202010705
chr16	4664079	4664079	+	1.208E-22	3.7157E-21	-0.27809	hypo	sig	chr16_4664079
chr10	1.29E+08	129033187	+	1.209E-22	3.7162E-21	0.272034	hyper	sig	chr10_129033187
chr14	24311313	24311313	+	1.209E-22	3.7171E-21	0.254321	hyper	sig	chr14_24311313

chr14	38210459	38210459	+	1.209E-22	3.7178E-21	0.352815	hyper	sig	chr14_38210459
chr7	28410408	28410408	+	1.21E-22	3.7212E-21	0.210001	hyper	sig	chr7_28410408
chr17	3278248	3278248	+	1.212E-22	3.7275E-21	-0.29092	hypo	sig	chr17_3278248
chr14	69877017	69877017	+	1.218E-22	3.7433E-21	-0.26068	hypo	sig	chr14_69877017
chr19	53255056	53255056	+	1.218E-22	3.7443E-21	0.24831	hyper	sig	chr19_53255056
chr3	10328882	10328882	+	1.218E-22	3.7443E-21	0.289773	hyper	sig	chr3_10328882
chr5	1536384	1536384	+	1.218E-22	3.7443E-21	-0.30667	hypo	sig	chr5_1536384
chr5	1.81E+08	181059655	+	1.218E-22	3.7443E-21	0.222794	hyper	sig	chr5_181059655
chr14	1.06E+08	105708023	+	1.219E-22	3.7464E-21	-0.30609	hypo	sig	chr14_105708023
chr7	1.55E+08	155466256	+	1.219E-22	3.7464E-21	0.247085	hyper	sig	chr7_155466256
chr1	1.19E+08	118983856	+	1.22E-22	3.7482E-21	0.392347	hyper	sig	chr1_118983856
chr8	90791930	90791930	+	1.22E-22	3.7484E-21	0.255799	hyper	sig	chr8_90791930
chr13	1.1E+08	109782141	+	1.22E-22	3.7502E-21	-0.49525	hypo	sig	chr13_109782141
chr17	74925709	74925709	+	1.221E-22	3.7524E-21	-0.27955	hypo	sig	chr17_74925709
chr17	5097626	5097626	+	1.222E-22	3.7546E-21	0.312248	hyper	sig	chr17_5097626
chr17	50834974	50834974	+	1.222E-22	3.7554E-21	0.282929	hyper	sig	chr17_50834974
chr16	85911952	85911952	+	1.225E-22	3.7643E-21	0.256565	hyper	sig	chr16_85911952
chr19	12513840	12513840	+	1.225E-22	3.7643E-21	0.323335	hyper	sig	chr19_12513840
chr15	89371981	89371981	+	1.226E-22	3.767E-21	0.327536	hyper	sig	chr15_89371981
chr6	98825292	98825292	+	1.227E-22	3.77E-21	0.286081	hyper	sig	chr6_98825292
chr3	1.25E+08	125142038	+	1.228E-22	3.7743E-21	0.258056	hyper	sig	chr3_125142038
chr20	768366	768366	+	1.229E-22	3.7757E-21	-0.30914	hypo	sig	chr20_768366
chr5	31194631	31194631	+	1.23E-22	3.7783E-21	0.223624	hyper	sig	chr5_31194631
chr16	89291093	89291093	+	1.231E-22	3.7802E-21	0.282932	hyper	sig	chr16_89291093
chr16	72858901	72858901	+	1.231E-22	3.7813E-21	0.351487	hyper	sig	chr16_72858901
chr1	45623300	45623300	+	1.231E-22	3.7824E-21	0.364238	hyper	sig	chr1_45623300
chr7	54542340	54542340	+	1.232E-22	3.7845E-21	0.341331	hyper	sig	chr7_54542340
chr15	52789101	52789101	+	1.232E-22	3.7853E-21	0.359115	hyper	sig	chr15_52789101
chr5	1.51E+08	150946357	+	1.232E-22	3.7855E-21	0.364034	hyper	sig	chr5_150946357
chr6	72623157	72623157	+	1.233E-22	3.7855E-21	0.210334	hyper	sig	chr6_72623157
chr6	99602983	99602983	+	1.233E-22	3.7871E-21	0.255862	hyper	sig	chr6_99602983
chr2	50347415	50347415	+	1.233E-22	3.788E-21	0.274468	hyper	sig	chr2_50347415
chr5	73298742	73298742	+	1.236E-22	3.7952E-21	0.239651	hyper	sig	chr5_73298742
chr13	26742954	26742954	+	1.236E-22	3.7952E-21	0.369472	hyper	sig	chr13_26742954
chr8	70070691	70070691	+	1.236E-22	3.7952E-21	0.255423	hyper	sig	chr8_70070691
chr16	89202501	89202501	+	1.238E-22	3.8005E-21	0.252176	hyper	sig	chr16_89202501
chr16	71426517	71426517	+	1.238E-22	3.8009E-21	0.225289	hyper	sig	chr16_71426517
chr3	1.3E+08	129605033	+	1.24E-22	3.8086E-21	0.281157	hyper	sig	chr3_129605033
chr13	22851314	22851314	+	1.242E-22	3.8122E-21	-0.27884	hypo	sig	chr13_22851314
chr3	1.26E+08	125972126	+	1.242E-22	3.8127E-21	0.231912	hyper	sig	chr3_125972126
chr16	1941403	1941403	+	1.244E-22	3.8189E-21	-0.2973	hypo	sig	chr16_1941403
chr16	1011917	1011917	+	1.245E-22	3.8213E-21	-0.31271	hypo	sig	chr16_1011917
chr2	2.06E+08	206440594	+	1.245E-22	3.8215E-21	-0.32714	hypo	sig	chr2_206440594
chr20	21702810	21702810	+	1.245E-22	3.8229E-21	0.372935	hyper	sig	chr20_21702810
chr1	1.57E+08	156647063	+	1.246E-22	3.8235E-21	0.301794	hyper	sig	chr1_156647063
chr16	73064004	73064004	+	1.246E-22	3.8235E-21	-0.31641	hypo	sig	chr16_73064004
chr12	65729600	65729600	+	1.246E-22	3.824E-21	0.259098	hyper	sig	chr12_65729600
chr3	1.82E+08	181710544	+	1.248E-22	3.8299E-21	0.295171	hyper	sig	chr3_181710544
chr10	13890885	13890885	+	1.248E-22	3.8306E-21	0.271436	hyper	sig	chr10_13890885
chr16	88393014	88393014	+	1.249E-22	3.8336E-21	-0.32625	hypo	sig	chr16_88393014
chr11	34204858	34204858	+	1.249E-22	3.8339E-21	-0.3841	hypo	sig	chr11_34204858
chr10	91633559	91633559	+	1.25E-22	3.8349E-21	0.289048	hyper	sig	chr10_91633559
chr6	50707810	50707810	+	1.252E-22	3.8401E-21	0.251959	hyper	sig	chr6_50707810
chr17	41583597	41583597	+	1.252E-22	3.8402E-21	-0.34255	hypo	sig	chr17_41583597
chr2	2.22E+08	222298173	+	1.252E-22	3.8402E-21	0.237783	hyper	sig	chr2_222298173
chr3	1.39E+08	138950111	+	1.253E-22	3.8428E-21	0.210027	hyper	sig	chr3_138950111

chr7	44884161	44884161	+	1.253E-22	3.8456E-21	0.238332	hyper	sig	chr7_44884161
chr17	1031232	1031232	+	1.255E-22	3.8502E-21	0.374065	hyper	sig	chr17_1031232
chr5	34497365	34497365	+	1.256E-22	3.8516E-21	0.34966	hyper	sig	chr5_34497365
chr21	33024163	33024163	+	1.257E-22	3.8562E-21	0.391216	hyper	sig	chr21_33024163
chr12	1.2E+08	119593938	+	1.259E-22	3.8619E-21	0.204173	hyper	sig	chr12_119593938
chr1	1.51E+08	151060486	+	1.259E-22	3.862E-21	0.218995	hyper	sig	chr1_151060486
chr7	1.38E+08	137844170	+	1.259E-22	3.8621E-21	-0.31378	hypo	sig	chr7_137844170
chr14	77026589	77026589	+	1.259E-22	3.8623E-21	0.298599	hyper	sig	chr14_77026589
chr1	1.47E+08	147080812	+	1.259E-22	3.8626E-21	0.290408	hyper	sig	chr1_147080812
chr12	74403087	74403087	+	1.261E-22	3.866E-21	-0.32035	hypo	sig	chr12_74403087
chr2	2.39E+08	239349476	+	1.261E-22	3.866E-21	0.286942	hyper	sig	chr2_239349476
chr4	1.47E+08	146640799	+	1.261E-22	3.8678E-21	0.345497	hyper	sig	chr4_146640799
chr17	78258051	78258051	+	1.262E-22	3.8703E-21	-0.31007	hypo	sig	chr17_78258051
chr12	62192110	62192110	+	1.263E-22	3.8714E-21	0.403513	hyper	sig	chr12_62192110
chr8	66963328	66963328	+	1.263E-22	3.8736E-21	0.43793	hyper	sig	chr8_66963328
chr5	31855062	31855062	+	1.266E-22	3.8831E-21	0.250895	hyper	sig	chr5_31855062
chr1	2073566	2073566	+	1.267E-22	3.8862E-21	0.29479	hyper	sig	chr1_2073566
chr12	1.32E+08	132277560	+	1.268E-22	3.8865E-21	0.405076	hyper	sig	chr12_132277560
chr1	1.98E+08	197919327	+	1.268E-22	3.8872E-21	0.253905	hyper	sig	chr1_197919327
chr7	530313	530313	+	1.268E-22	3.8872E-21	-0.29308	hypo	sig	chr7_530313
chr7	1.49E+08	149462367	+	1.27E-22	3.8921E-21	-0.24431	hypo	sig	chr7_149462367
chr12	43552057	43552057	+	1.27E-22	3.8941E-21	0.375736	hyper	sig	chr12_43552057
chr5	1.41E+08	141383114	+	1.27E-22	3.8945E-21	0.302926	hyper	sig	chr5_141383114
chr8	48735690	48735690	+	1.272E-22	3.8998E-21	0.222306	hyper	sig	chr8_48735690
chr4	2301933	2301933	+	1.273E-22	3.9019E-21	0.291996	hyper	sig	chr4_2301933
chr11	22433067	22433067	+	1.273E-22	3.902E-21	0.291301	hyper	sig	chr11_22433067
chr1	1.08E+08	107964432	+	1.275E-22	3.9068E-21	0.277672	hyper	sig	chr1_107964432
chr7	85186189	85186189	+	1.276E-22	3.9121E-21	0.340871	hyper	sig	chr7_85186189
chr16	1163642	1163642	+	1.281E-22	3.9254E-21	-0.27112	hypo	sig	chr16_1163642
chr19	37551329	37551329	+	1.282E-22	3.9271E-21	0.42833	hyper	sig	chr19_37551329
chr1	2.31E+08	231163638	+	1.287E-22	3.9433E-21	0.29261	hyper	sig	chr1_231163638
chr4	5051362	5051362	+	1.289E-22	3.9509E-21	0.324495	hyper	sig	chr4_5051362
chr1	36948337	36948337	+	1.291E-22	3.9544E-21	-0.33058	hypo	sig	chr1_36948337
chr11	2185096	2185096	+	1.291E-22	3.9569E-21	-0.27138	hypo	sig	chr11_2185096
chr2	5692936	5692936	+	1.293E-22	3.9608E-21	0.317328	hyper	sig	chr2_5692936
chr16	30821971	30821971	+	1.295E-22	3.967E-21	-0.24616	hypo	sig	chr16_30821971
chr16	54932748	54932748	+	1.297E-22	3.974E-21	0.3706	hyper	sig	chr16_54932748
chr6	1.37E+08	137494562	+	1.299E-22	3.9796E-21	0.255887	hyper	sig	chr6_137494562
chr12	4809724	4809724	+	1.3E-22	3.9811E-21	0.278711	hyper	sig	chr12_4809724
chr12	1.33E+08	132908152	+	1.3E-22	3.9824E-21	0.253253	hyper	sig	chr12_132908152
chr7	35257318	35257318	+	1.3E-22	3.9831E-21	0.266633	hyper	sig	chr7_35257318
chr11	1930606	1930606	+	1.301E-22	3.9854E-21	-0.28556	hypo	sig	chr11_1930606
chr20	41367031	41367031	+	1.301E-22	3.9861E-21	0.263533	hyper	sig	chr20_41367031
chr5	79069864	79069864	+	1.302E-22	3.9861E-21	0.346337	hyper	sig	chr5_79069864
chr10	69823479	69823479	+	1.303E-22	3.9911E-21	-0.24621	hypo	sig	chr10_69823479
chr11	1.12E+08	111976949	+	1.304E-22	3.9943E-21	0.381904	hyper	sig	chr11_111976949
chr4	20253512	20253512	+	1.305E-22	3.9958E-21	0.356022	hyper	sig	chr4_20253512
chr3	48662271	48662271	+	1.307E-22	4.002E-21	0.416051	hyper	sig	chr3_48662271
chr7	1.5E+08	149765763	+	1.308E-22	4.0045E-21	0.361697	hyper	sig	chr7_149765763
chr9	1.31E+08	130663327	+	1.308E-22	4.0051E-21	0.26274	hyper	sig	chr9_130663327
chr10	1.33E+08	133259374	+	1.31E-22	4.0108E-21	-0.40085	hypo	sig	chr10_133259374
chr5	1.71E+08	171316938	+	1.31E-22	4.0111E-21	0.366173	hyper	sig	chr5_171316938
chr8	32548361	32548361	+	1.311E-22	4.0121E-21	0.212745	hyper	sig	chr8_32548361
chr17	38466761	38466761	+	1.312E-22	4.0151E-21	0.330371	hyper	sig	chr17_38466761
chr17	48550977	48550977	+	1.312E-22	4.0157E-21	0.308872	hyper	sig	chr17_48550977
chr13	52849810	52849810	+	1.315E-22	4.0254E-21	0.278935	hyper	sig	chr13_52849810

chr12	78865054	78865054	+	1.315E-22	4.0262E-21	0.244315	hyper	sig	chr12_78865054
chr5	71719122	71719122	+	1.316E-22	4.0267E-21	0.378963	hyper	sig	chr5_71719122
chr7	1.59E+08	159154767	+	1.316E-22	4.0274E-21	-0.34236	hypo	sig	chr7_159154767
chr4	7184411	7184411	+	1.317E-22	4.0322E-21	-0.33772	hypo	sig	chr4_7184411
chr5	1.35E+08	135490671	+	1.318E-22	4.0343E-21	0.294619	hyper	sig	chr5_135490671
chr4	7697946	7697946	+	1.318E-22	4.0348E-21	-0.35048	hypo	sig	chr4_7697946
chr6	10390580	10390580	+	1.32E-22	4.0384E-21	0.323119	hyper	sig	chr6_10390580
chr7	1.01E+08	101174682	+	1.32E-22	4.039E-21	0.245747	hyper	sig	chr7_101174682
chr10	55628020	55628020	+	1.321E-22	4.0422E-21	0.406804	hyper	sig	chr10_55628020
chr6	33080509	33080509	+	1.321E-22	4.0423E-21	0.397037	hyper	sig	chr6_33080509
chr16	66948900	66948900	+	1.323E-22	4.0468E-21	0.31248	hyper	sig	chr16_66948900
chr1	1.55E+08	154970033	+	1.323E-22	4.0472E-21	0.285286	hyper	sig	chr1_154970033
chr6	26225018	26225018	+	1.325E-22	4.0533E-21	0.302529	hyper	sig	chr6_26225018
chr21	36704958	36704958	+	1.326E-22	4.0563E-21	0.389748	hyper	sig	chr21_36704958
chr10	490323	490323	+	1.327E-22	4.0587E-21	0.28582	hyper	sig	chr10_490323
chr3	96815207	96815207	+	1.327E-22	4.0592E-21	0.26486	hyper	sig	chr3_96815207
chr1	1.44E+08	143652961	+	1.328E-22	4.0614E-21	0.348217	hyper	sig	chr1_143652961
chr13	42574146	42574146	+	1.328E-22	4.0624E-21	0.291391	hyper	sig	chr13_42574146
chr7	74452679	74452679	+	1.329E-22	4.0649E-21	-0.32719	hypo	sig	chr7_74452679
chr1	2906269	2906269	+	1.329E-22	4.0653E-21	0.263097	hyper	sig	chr1_2906269
chr11	1.19E+08	119422070	+	1.329E-22	4.0659E-21	0.241167	hyper	sig	chr11_119422070
chr12	53952108	53952108	+	1.331E-22	4.0695E-21	0.246176	hyper	sig	chr12_53952108
chr5	33936592	33936592	+	1.331E-22	4.0713E-21	0.320715	hyper	sig	chr5_33936592
chr5	1.59E+08	159097346	+	1.333E-22	4.0759E-21	0.332903	hyper	sig	chr5_159097346
chr7	1.51E+08	151125897	+	1.333E-22	4.0759E-21	0.42765	hyper	sig	chr7_151125897
chr12	1.15E+08	114696686	+	1.333E-22	4.0773E-21	0.31975	hyper	sig	chr12_114696686
chr1	1.57E+08	156845100	+	1.334E-22	4.0785E-21	0.31577	hyper	sig	chr1_156845100
chr1	17618165	17618165	+	1.335E-22	4.0826E-21	0.292546	hyper	sig	chr1_17618165
chr14	53953125	53953125	+	1.34E-22	4.0964E-21	0.203194	hyper	sig	chr14_53953125
chr10	1.01E+08	101146036	+	1.34E-22	4.0986E-21	0.377083	hyper	sig	chr10_101146036
chr3	27723792	27723792	+	1.341E-22	4.0996E-21	0.333584	hyper	sig	chr3_27723792
chr16	3184314	3184314	+	1.344E-22	4.1099E-21	0.319042	hyper	sig	chr16_3184314
chr5	1.42E+08	141513295	+	1.346E-22	4.1157E-21	0.344231	hyper	sig	chr5_141513295
chr13	1.02E+08	102400537	+	1.348E-22	4.1212E-21	0.333568	hyper	sig	chr13_102400537
chr20	21396324	21396324	+	1.35E-22	4.1258E-21	0.267856	hyper	sig	chr20_21396324
chr7	27122130	27122130	+	1.35E-22	4.1259E-21	-0.27135	hypo	sig	chr7_27122130
chr3	27731214	27731214	+	1.351E-22	4.1286E-21	0.210617	hyper	sig	chr3_27731214
chr8	1.09E+08	108787357	+	1.351E-22	4.1288E-21	0.218612	hyper	sig	chr8_108787357
chr8	11703989	11703989	+	1.352E-22	4.1317E-21	0.230612	hyper	sig	chr8_11703989
chr14	88326593	88326593	+	1.352E-22	4.1332E-21	0.238162	hyper	sig	chr14_88326593
chr3	28575394	28575394	+	1.354E-22	4.1366E-21	0.25622	hyper	sig	chr3_28575394
chr8	55449631	55449631	+	1.357E-22	4.1471E-21	-0.28007	hypo	sig	chr8_55449631
chr11	637019	637019	+	1.357E-22	4.1475E-21	0.267213	hyper	sig	chr11_637019
chr17	75784234	75784234	+	1.358E-22	4.1485E-21	-0.24436	hypo	sig	chr17_75784234
chr8	64379455	64379455	+	1.358E-22	4.1495E-21	0.291548	hyper	sig	chr8_64379455
chr7	1.41E+08	141436370	+	1.36E-22	4.1547E-21	-0.30291	hypo	sig	chr7_141436370
chr3	2485026	2485026	+	1.36E-22	4.1567E-21	-0.35125	hypo	sig	chr3_2485026
chr5	73420146	73420146	+	1.364E-22	4.1673E-21	0.268279	hyper	sig	chr5_73420146
chr10	1.33E+08	133204298	+	1.367E-22	4.1758E-21	-0.33114	hypo	sig	chr10_133204298
chr12	1.14E+08	114401077	+	1.367E-22	4.1769E-21	0.280459	hyper	sig	chr12_114401077
chr8	1.06E+08	106271933	+	1.37E-22	4.1863E-21	0.30948	hyper	sig	chr8_106271933
chr15	83206958	83206958	+	1.372E-22	4.192E-21	0.209134	hyper	sig	chr15_83206958
chr19	11674201	11674201	+	1.372E-22	4.192E-21	0.288622	hyper	sig	chr19_11674201
chr7	1.02E+08	101923550	+	1.373E-22	4.1933E-21	0.305821	hyper	sig	chr7_101923550
chr12	54090558	54090558	+	1.377E-22	4.2071E-21	0.328142	hyper	sig	chr12_54090558
chr8	84184915	84184915	+	1.378E-22	4.2104E-21	0.306673	hyper	sig	chr8_84184915

chr1	47434604	47434604	+	1.379E-22	4.2108E-21	0.346309	hyper	sig	chr1_47434604
chr13	83881531	83881531	+	1.379E-22	4.2108E-21	0.301488	hyper	sig	chr13_83881531
chr12	63151163	63151163	+	1.379E-22	4.2114E-21	0.413112	hyper	sig	chr12_63151163
chr7	1.51E+08	151079425	+	1.379E-22	4.2118E-21	0.321274	hyper	sig	chr7_151079425
chr13	1.14E+08	114015267	+	1.379E-22	4.2121E-21	-0.4028	hypo	sig	chr13_114015267
chr1	1.67E+08	166989094	+	1.382E-22	4.2192E-21	-0.3278	hypo	sig	chr1_166989094
chr4	1.67E+08	167234099	+	1.387E-22	4.2351E-21	0.262663	hyper	sig	chr4_167234099
chr12	29150227	29150227	+	1.388E-22	4.239E-21	-0.31552	hypo	sig	chr12_29150227
chr20	17225950	17225950	+	1.388E-22	4.2392E-21	0.365695	hyper	sig	chr20_17225950
chr19	37251892	37251892	+	1.39E-22	4.2453E-21	0.304166	hyper	sig	chr19_37251892
chr1	1.55E+08	154770395	+	1.391E-22	4.2473E-21	-0.32209	hypo	sig	chr1_154770395
chr1	27567382	27567382	+	1.392E-22	4.2503E-21	0.362825	hyper	sig	chr1_27567382
chr2	2.31E+08	231355870	+	1.395E-22	4.2597E-21	0.271771	hyper	sig	chr2_231355870
chr2	98346504	98346504	+	1.396E-22	4.2614E-21	0.360908	hyper	sig	chr2_98346504
chr2	2.08E+08	208407261	+	1.396E-22	4.2624E-21	0.202511	hyper	sig	chr2_208407261
chr11	69014734	69014734	+	1.396E-22	4.2625E-21	0.281893	hyper	sig	chr11_69014734
chr19	36152657	36152657	+	1.397E-22	4.264E-21	0.340715	hyper	sig	chr19_36152657
chr17	83056092	83056092	+	1.398E-22	4.267E-21	-0.36644	hypo	sig	chr17_83056092
chr11	628775	628775	+	1.398E-22	4.2673E-21	-0.38187	hypo	sig	chr11_628775
chr2	2.19E+08	219332924	+	1.399E-22	4.2684E-21	0.272648	hyper	sig	chr2_219332924
chr6	32056107	32056107	+	1.399E-22	4.2698E-21	-0.33057	hypo	sig	chr6_32056107
chr1	1.19E+08	118985051	+	1.399E-22	4.2705E-21	0.368876	hyper	sig	chr1_118985051
chr20	21102301	21102301	+	1.4E-22	4.2722E-21	0.299712	hyper	sig	chr20_21102301
chr9	1.35E+08	135088995	+	1.402E-22	4.279E-21	0.283567	hyper	sig	chr9_135088995
chr9	1.14E+08	114207176	+	1.403E-22	4.2798E-21	0.347691	hyper	sig	chr9_114207176
chr1	1.44E+08	143643775	+	1.403E-22	4.2801E-21	0.303143	hyper	sig	chr1_143643775
chr14	88326898	88326898	+	1.403E-22	4.2818E-21	0.219187	hyper	sig	chr14_88326898
chr1	2.06E+08	205811784	+	1.404E-22	4.2834E-21	0.42189	hyper	sig	chr1_205811784
chr12	1.33E+08	132908157	+	1.404E-22	4.2843E-21	0.242258	hyper	sig	chr12_132908157
chr9	93953537	93953537	+	1.406E-22	4.2883E-21	0.212722	hyper	sig	chr9_93953537
chr12	30110668	30110668	+	1.407E-22	4.2913E-21	-0.28533	hypo	sig	chr12_30110668
chr6	1.7E+08	170103442	+	1.407E-22	4.2923E-21	-0.27313	hypo	sig	chr6_170103442
chr6	32201930	32201930	+	1.409E-22	4.2982E-21	-0.27893	hypo	sig	chr6_32201930
chr1	16226961	16226961	+	1.411E-22	4.3042E-21	0.301211	hyper	sig	chr1_16226961
chr13	38687647	38687647	+	1.415E-22	4.3169E-21	0.210793	hyper	sig	chr13_38687647
chr7	64495288	64495288	+	1.415E-22	4.3174E-21	0.382153	hyper	sig	chr7_64495288
chr7	1.01E+08	101303511	+	1.416E-22	4.3184E-21	0.384693	hyper	sig	chr7_101303511
chr11	20669174	20669174	+	1.416E-22	4.3201E-21	0.29178	hyper	sig	chr11_20669174
chr13	36346523	36346523	+	1.417E-22	4.3205E-21	0.20622	hyper	sig	chr13_36346523
chr12	49365762	49365762	+	1.417E-22	4.3214E-21	-0.29222	hypo	sig	chr12_49365762
chr6	39793114	39793114	+	1.417E-22	4.3215E-21	0.354117	hyper	sig	chr6_39793114
chr1	1.57E+08	156661443	+	1.419E-22	4.3262E-21	-0.2314	hypo	sig	chr1_156661443
chr6	27275220	27275220	+	1.42E-22	4.3304E-21	0.292876	hyper	sig	chr6_27275220
chr10	49679815	49679815	+	1.42E-22	4.3313E-21	0.325516	hyper	sig	chr10_49679815
chr1	90720368	90720368	+	1.421E-22	4.3335E-21	0.364029	hyper	sig	chr1_90720368
chr5	1.41E+08	141361782	+	1.423E-22	4.3371E-21	0.326681	hyper	sig	chr5_141361782
chr1	2.27E+08	226737050	+	1.424E-22	4.3422E-21	0.351075	hyper	sig	chr1_226737050
chr3	11568664	11568664	+	1.425E-22	4.3427E-21	0.295017	hyper	sig	chr3_11568664
chr7	1.56E+08	155804650	+	1.425E-22	4.3427E-21	0.289448	hyper	sig	chr7_155804650
chr8	26048594	26048594	+	1.425E-22	4.3427E-21	0.24818	hyper	sig	chr8_26048594
chr7	74186698	74186698	+	1.425E-22	4.3428E-21	0.249953	hyper	sig	chr7_74186698
chr3	1.92E+08	192408897	+	1.428E-22	4.3517E-21	0.294489	hyper	sig	chr3_192408897
chr8	49911798	49911798	+	1.428E-22	4.3525E-21	0.314946	hyper	sig	chr8_49911798
chr17	44967397	44967397	+	1.432E-22	4.3657E-21	0.292731	hyper	sig	chr17_44967397
chr10	1.2E+08	119544196	+	1.433E-22	4.3665E-21	0.369686	hyper	sig	chr10_119544196
chr10	1.03E+08	103278016	+	1.434E-22	4.3693E-21	0.302345	hyper	sig	chr10_103278016

chr17	79540936	79540936	+	1.435E-22	4.3736E-21	-0.33913	hypo	sig	chr17_79540936
chr19	56638068	56638068	+	1.442E-22	4.3943E-21	0.28023	hyper	sig	chr19_56638068
chr10	1.01E+08	101236484	+	1.442E-22	4.3955E-21	0.26033	hyper	sig	chr10_101236484
chr2	72919901	72919901	+	1.443E-22	4.3974E-21	0.251607	hyper	sig	chr2_72919901
chr3	1.47E+08	147396650	+	1.444E-22	4.3987E-21	0.327644	hyper	sig	chr3_147396650
chr6	1.17E+08	117263527	+	1.444E-22	4.3997E-21	0.330192	hyper	sig	chr6_117263527
chr5	88672710	88672710	+	1.445E-22	4.4042E-21	0.319895	hyper	sig	chr5_88672710
chr6	73309837	73309837	+	1.446E-22	4.406E-21	0.214423	hyper	sig	chr6_73309837
chr1	1.8E+08	179743056	+	1.446E-22	4.406E-21	0.21656	hyper	sig	chr1_179743056
chr2	44933958	44933958	+	1.447E-22	4.407E-21	0.355638	hyper	sig	chr2_44933958
chr7	42238462	42238462	+	1.447E-22	4.4088E-21	0.330377	hyper	sig	chr7_42238462
chr13	27975899	27975899	+	1.448E-22	4.4103E-21	0.297746	hyper	sig	chr13_27975899
chr4	41873547	41873547	+	1.448E-22	4.4123E-21	0.477296	hyper	sig	chr4_41873547
chr16	86513675	86513675	+	1.449E-22	4.4152E-21	0.316824	hyper	sig	chr16_86513675
chr18	905100	905100	+	1.452E-22	4.4238E-21	0.341294	hyper	sig	chr18_905100
chr12	63151731	63151731	+	1.454E-22	4.4272E-21	0.235246	hyper	sig	chr12_63151731
chr13	1.12E+08	112055090	+	1.455E-22	4.4298E-21	0.322562	hyper	sig	chr13_112055090
chr5	1.75E+08	175443965	+	1.455E-22	4.4303E-21	0.289997	hyper	sig	chr5_175443965
chr11	46296308	46296308	+	1.456E-22	4.4335E-21	0.298609	hyper	sig	chr11_46296308
chr3	1.39E+08	138960734	+	1.457E-22	4.438E-21	0.26947	hyper	sig	chr3_138960734
chr13	1.12E+08	111981398	+	1.458E-22	4.4389E-21	-0.31071	hypo	sig	chr13_111981398
chr12	54053961	54053961	+	1.459E-22	4.4414E-21	0.268772	hyper	sig	chr12_54053961
chr16	62036243	62036243	+	1.46E-22	4.4449E-21	0.306294	hyper	sig	chr16_62036243
chr3	1.47E+08	147410367	+	1.46E-22	4.4453E-21	0.334206	hyper	sig	chr3_147410367
chr2	21044081	21044081	+	1.461E-22	4.4476E-21	-0.3039	hypo	sig	chr2_21044081
chr8	37965912	37965912	+	1.461E-22	4.4496E-21	0.20904	hyper	sig	chr8_37965912
chr10	11742035	11742035	+	1.462E-22	4.4513E-21	0.2269	hyper	sig	chr10_11742035
chr20	62476376	62476376	+	1.464E-22	4.456E-21	0.288695	hyper	sig	chr20_62476376
chr1	2.44E+08	243917439	+	1.466E-22	4.4618E-21	0.327719	hyper	sig	chr1_243917439
chr7	4766312	4766312	+	1.467E-22	4.4648E-21	0.299544	hyper	sig	chr7_4766312
chr20	51026754	51026754	+	1.469E-22	4.4702E-21	-0.26353	hypo	sig	chr20_51026754
chr10	1.32E+08	132167066	+	1.469E-22	4.4718E-21	-0.33346	hypo	sig	chr10_132167066
chr2	1.15E+08	115163178	+	1.471E-22	4.4763E-21	0.27436	hyper	sig	chr2_115163178
chr22	19892162	19892162	+	1.472E-22	4.4794E-21	-0.28088	hypo	sig	chr22_19892162
chr17	4745358	4745358	+	1.474E-22	4.4847E-21	0.341189	hyper	sig	chr17_4745358
chr11	1.29E+08	128863070	+	1.474E-22	4.4855E-21	-0.32948	hypo	sig	chr11_128863070
chr10	1.16E+08	116273426	+	1.474E-22	4.4865E-21	0.239898	hyper	sig	chr10_116273426
chr7	94394154	94394154	+	1.475E-22	4.4894E-21	0.338998	hyper	sig	chr7_94394154
chr5	1794218	1794218	+	1.476E-22	4.4929E-21	-0.28221	hypo	sig	chr5_1794218
chr7	43112655	43112655	+	1.477E-22	4.4952E-21	0.298616	hyper	sig	chr7_43112655
chr4	41747793	41747793	+	1.478E-22	4.4983E-21	0.377808	hyper	sig	chr4_41747793
chr5	1.73E+08	173244820	+	1.479E-22	4.4985E-21	0.372491	hyper	sig	chr5_173244820
chr11	92225920	92225920	+	1.48E-22	4.5031E-21	0.298918	hyper	sig	chr11_92225920
chr5	1.79E+08	178940553	+	1.48E-22	4.5031E-21	0.357448	hyper	sig	chr5_178940553
chr12	4446145	4446145	+	1.481E-22	4.5054E-21	-0.33197	hypo	sig	chr12_4446145
chr17	65563847	65563847	+	1.482E-22	4.5094E-21	-0.34668	hypo	sig	chr17_65563847
chr5	1.29E+08	128537669	+	1.483E-22	4.5109E-21	0.296739	hyper	sig	chr5_128537669
chr6	36548079	36548079	+	1.484E-22	4.5147E-21	-0.26829	hypo	sig	chr6_36548079
chr4	4864370	4864370	+	1.485E-22	4.5163E-21	0.317784	hyper	sig	chr4_4864370
chr12	12785531	12785531	+	1.485E-22	4.5175E-21	-0.24589	hypo	sig	chr12_12785531
chr17	7651348	7651348	+	1.485E-22	4.518E-21	0.23236	hyper	sig	chr17_7651348
chr10	55628439	55628439	+	1.486E-22	4.5205E-21	0.267113	hyper	sig	chr10_55628439
chr13	25301298	25301298	+	1.486E-22	4.5207E-21	0.262827	hyper	sig	chr13_25301298
chr14	1.02E+08	101781831	+	1.487E-22	4.5215E-21	0.318966	hyper	sig	chr14_101781831
chr16	1027597	1027597	+	1.488E-22	4.524E-21	-0.32993	hypo	sig	chr16_1027597
chr1	3012019	3012019	+	1.488E-22	4.5246E-21	0.318227	hyper	sig	chr1_3012019

chr11	67983820	67983820	+	1.489E-22	4.529E-21	-0.29578	hypo	sig	chr11_67983820
chr7	64495408	64495408	+	1.489E-22	4.529E-21	0.334075	hyper	sig	chr7_64495408
chr12	1.25E+08	124539881	+	1.49E-22	4.5299E-21	-0.31012	hypo	sig	chr12_124539881
chr1	3293376	3293376	+	1.491E-22	4.5342E-21	-0.36232	hypo	sig	chr1_3293376
chr2	2.39E+08	239250031	+	1.492E-22	4.5371E-21	0.344612	hyper	sig	chr2_239250031
chr17	39917817	39917817	+	1.492E-22	4.5372E-21	-0.24229	hypo	sig	chr17_39917817
chr6	99606811	99606811	+	1.493E-22	4.538E-21	0.241909	hyper	sig	chr6_99606811
chr19	3136472	3136472	+	1.494E-22	4.5404E-21	-0.3093	hypo	sig	chr19_3136472
chr2	2.42E+08	242011355	+	1.495E-22	4.5446E-21	-0.28065	hypo	sig	chr2_242011355
chr7	1.43E+08	142796723	+	1.496E-22	4.5479E-21	0.335621	hyper	sig	chr7_142796723
chr6	27290691	27290691	+	1.498E-22	4.5542E-21	0.24587	hyper	sig	chr6_27290691
chr1	2.46E+08	245680864	+	1.499E-22	4.5577E-21	-0.30917	hypo	sig	chr1_245680864
chr15	74434273	74434273	+	1.501E-22	4.5618E-21	0.284746	hyper	sig	chr15_74434273
chr16	29218935	29218935	+	1.502E-22	4.5637E-21	-0.34316	hypo	sig	chr16_29218935
chr1	42152554	42152554	+	1.503E-22	4.5672E-21	-0.29927	hypo	sig	chr1_42152554
chr6	10418997	10418997	+	1.503E-22	4.569E-21	0.348031	hyper	sig	chr6_10418997
chr6	10422414	10422414	+	1.504E-22	4.5717E-21	0.298197	hyper	sig	chr6_10422414
chr13	21319099	21319099	+	1.506E-22	4.577E-21	0.4507	hyper	sig	chr13_21319099
chr17	79132464	79132464	+	1.506E-22	4.577E-21	-0.30635	hypo	sig	chr17_79132464
chr19	13001657	13001657	+	1.506E-22	4.5773E-21	0.276132	hyper	sig	chr19_13001657
chr6	50843245	50843245	+	1.507E-22	4.5786E-21	0.335754	hyper	sig	chr6_50843245
chr7	1.57E+08	157020690	+	1.509E-22	4.5844E-21	0.259259	hyper	sig	chr7_157020690
chr17	28490518	28490518	+	1.513E-22	4.5977E-21	0.268556	hyper	sig	chr17_28490518
chr10	1.29E+08	129033102	+	1.515E-22	4.6014E-21	0.271823	hyper	sig	chr10_129033102
chr19	3189528	3189528	+	1.515E-22	4.6024E-21	-0.26366	hypo	sig	chr19_3189528
chr2	26853225	26853225	+	1.517E-22	4.6078E-21	-0.28729	hypo	sig	chr2_26853225
chr6	1.68E+08	168389068	+	1.517E-22	4.6078E-21	-0.36778	hypo	sig	chr6_168389068
chr1	2.34E+08	233904299	+	1.517E-22	4.6087E-21	0.258905	hyper	sig	chr1_233904299
chr8	1.28E+08	127740681	+	1.518E-22	4.6098E-21	-0.36727	hypo	sig	chr8_127740681
chr5	79690384	79690384	+	1.519E-22	4.6146E-21	0.404308	hyper	sig	chr5_79690384
chr17	77282056	77282056	+	1.519E-22	4.6147E-21	-0.23862	hypo	sig	chr17_77282056
chr5	1.41E+08	141242176	+	1.521E-22	4.6193E-21	0.255685	hyper	sig	chr5_141242176
chr2	2.2E+08	219516407	+	1.521E-22	4.6203E-21	-0.29766	hypo	sig	chr2_219516407
chr19	56507545	56507545	+	1.525E-22	4.63E-21	0.305157	hyper	sig	chr19_56507545
chr16	48235908	48235908	+	1.525E-22	4.6301E-21	-0.29626	hypo	sig	chr16_48235908
chr7	1123877	1123877	+	1.525E-22	4.6322E-21	0.301755	hyper	sig	chr7_1123877
chr14	95047618	95047618	+	1.526E-22	4.6329E-21	0.338004	hyper	sig	chr14_95047618
chr8	11701968	11701968	+	1.532E-22	4.6512E-21	0.275844	hyper	sig	chr8_11701968
chr22	49850138	49850138	+	1.532E-22	4.6529E-21	0.293211	hyper	sig	chr22_49850138
chr3	10816059	10816059	+	1.533E-22	4.6545E-21	0.361571	hyper	sig	chr3_10816059
chr1	1.8E+08	179744034	+	1.534E-22	4.6586E-21	0.298346	hyper	sig	chr1_179744034
chr11	85682746	85682746	+	1.536E-22	4.6635E-21	0.312127	hyper	sig	chr11_85682746
chr1	1.59E+08	159171957	+	1.538E-22	4.6698E-21	0.208674	hyper	sig	chr1_159171957
chr5	55223239	55223239	+	1.539E-22	4.6715E-21	0.353859	hyper	sig	chr5_55223239
chr4	1.85E+08	185021068	+	1.54E-22	4.6758E-21	0.20025	hyper	sig	chr4_185021068
chr13	94703952	94703952	+	1.541E-22	4.678E-21	0.38464	hyper	sig	chr13_94703952
chr4	84501256	84501256	+	1.543E-22	4.683E-21	0.28735	hyper	sig	chr4_84501256
chr2	5692826	5692826	+	1.543E-22	4.6844E-21	0.367187	hyper	sig	chr2_5692826
chr2	26693557	26693557	+	1.547E-22	4.6944E-21	0.21592	hyper	sig	chr2_26693557
chr1	87327740	87327740	+	1.548E-22	4.6971E-21	0.279345	hyper	sig	chr1_87327740
chr13	1.08E+08	107868714	+	1.548E-22	4.6985E-21	0.268017	hyper	sig	chr13_107868714
chr10	1.01E+08	100659536	+	1.549E-22	4.7007E-21	0.329766	hyper	sig	chr10_100659536
chr3	1.97E+08	197004279	+	1.549E-22	4.701E-21	-0.29413	hypo	sig	chr3_197004279
chr7	27163813	27163813	+	1.551E-22	4.7054E-21	0.275192	hyper	sig	chr7_27163813
chr5	1.41E+08	141201196	+	1.551E-22	4.7065E-21	0.383077	hyper	sig	chr5_141201196
chr5	1.41E+08	141339514	+	1.552E-22	4.7081E-21	0.285352	hyper	sig	chr5_141339514

chr1	86156999	86156999	+	1.553E-22	4.7135E-21	0.201469	hyper	sig	chr1_86156999
chr13	1.12E+08	112253967	+	1.554E-22	4.7153E-21	-0.28333	hypo	sig	chr13_112253967
chr9	19788259	19788259	+	1.556E-22	4.7216E-21	0.32449	hyper	sig	chr9_19788259
chr3	1.13E+08	113441621	+	1.561E-22	4.7347E-21	0.2785	hyper	sig	chr3_113441621
chr1	2.07E+08	207051644	+	1.563E-22	4.7406E-21	-0.32473	hypo	sig	chr1_207051644
chr7	1700884	1700884	+	1.563E-22	4.7414E-21	-0.29134	hypo	sig	chr7_1700884
chr13	25097384	25097384	+	1.566E-22	4.7521E-21	-0.26919	hypo	sig	chr13_25097384
chr9	88991077	88991077	+	1.567E-22	4.7547E-21	0.338702	hyper	sig	chr9_88991077
chr3	1.47E+08	147407971	+	1.569E-22	4.7587E-21	0.284626	hyper	sig	chr3_147407971
chr14	32933875	32933875	+	1.569E-22	4.7602E-21	0.251084	hyper	sig	chr14_32933875
chr11	40293840	40293840	+	1.571E-22	4.7664E-21	0.290904	hyper	sig	chr11_40293840
chr2	5691136	5691136	+	1.572E-22	4.7669E-21	0.258613	hyper	sig	chr2_5691136
chr4	1.11E+08	110628758	+	1.573E-22	4.7707E-21	0.29062	hyper	sig	chr4_110628758
chr19	23914901	23914901	+	1.573E-22	4.7711E-21	0.25412	hyper	sig	chr19_23914901
chr17	19868429	19868429	+	1.576E-22	4.7782E-21	0.266647	hyper	sig	chr17_19868429
chr16	88971920	88971920	+	1.576E-22	4.7794E-21	-0.33773	hypo	sig	chr16_88971920
chr19	22052769	22052769	+	1.576E-22	4.7797E-21	0.244047	hyper	sig	chr19_22052769
chr15	88604686	88604686	+	1.577E-22	4.7806E-21	0.205428	hyper	sig	chr15_88604686
chr15	83283593	83283593	+	1.578E-22	4.7851E-21	0.251123	hyper	sig	chr15_83283593
chr7	30912206	30912206	+	1.579E-22	4.7872E-21	0.26787	hyper	sig	chr7_30912206
chr16	11675835	11675835	+	1.58E-22	4.7889E-21	-0.35728	hypo	sig	chr16_11675835
chr16	509328	509328	+	1.58E-22	4.7913E-21	-0.3155	hypo	sig	chr16_509328
chr5	1107040	1107040	+	1.582E-22	4.7957E-21	-0.32376	hypo	sig	chr5_1107040
chr6	1.66E+08	165686763	+	1.583E-22	4.7994E-21	0.245753	hyper	sig	chr6_165686763
chr12	62192124	62192124	+	1.584E-22	4.8019E-21	0.396611	hyper	sig	chr12_62192124
chr2	31137925	31137925	+	1.584E-22	4.8023E-21	0.223798	hyper	sig	chr2_31137925
chr7	1.59E+08	158586464	+	1.586E-22	4.8066E-21	0.3262	hyper	sig	chr7_158586464
chr1	58246366	58246366	+	1.586E-22	4.8085E-21	-0.35315	hypo	sig	chr1_58246366
chr13	22897711	22897711	+	1.588E-22	4.8141E-21	-0.40638	hypo	sig	chr13_22897711
chr2	1.3E+08	130427967	+	1.588E-22	4.8141E-21	0.263207	hyper	sig	chr2_130427967
chr2	20671371	20671371	+	1.59E-22	4.8184E-21	0.412578	hyper	sig	chr2_20671371
chr5	1.41E+08	141346231	+	1.592E-22	4.8233E-21	0.336419	hyper	sig	chr5_141346231
chr1	16521040	16521040	+	1.595E-22	4.8341E-21	0.377369	hyper	sig	chr1_16521040
chr13	1.12E+08	111893757	+	1.595E-22	4.8342E-21	0.326538	hyper	sig	chr13_111893757
chr3	1.92E+08	192410202	+	1.598E-22	4.8411E-21	0.415458	hyper	sig	chr3_192410202
chr12	1.14E+08	114443927	+	1.598E-22	4.8413E-21	0.267031	hyper	sig	chr12_114443927
chr16	3305127	3305127	+	1.598E-22	4.8422E-21	0.369867	hyper	sig	chr16_3305127
chr17	81734462	81734462	+	1.602E-22	4.8547E-21	-0.29931	hypo	sig	chr17_81734462
chr17	41583625	41583625	+	1.604E-22	4.8585E-21	-0.29894	hypo	sig	chr17_41583625
chr19	50640052	50640052	+	1.605E-22	4.8627E-21	0.225203	hyper	sig	chr19_50640052
chr6	1.61E+08	160679540	+	1.61E-22	4.8775E-21	0.328104	hyper	sig	chr6_160679540
chr16	85580360	85580360	+	1.61E-22	4.878E-21	0.331823	hyper	sig	chr16_85580360
chr20	56003900	56003900	+	1.611E-22	4.8789E-21	0.40068	hyper	sig	chr20_56003900
chr13	1.12E+08	111524083	+	1.612E-22	4.8829E-21	-0.36567	hypo	sig	chr13_111524083
chr19	3178798	3178798	+	1.612E-22	4.8836E-21	-0.31943	hypo	sig	chr19_3178798
chr15	45378267	45378267	+	1.614E-22	4.8877E-21	0.255152	hyper	sig	chr15_45378267
chr2	2.07E+08	206642418	+	1.614E-22	4.8877E-21	0.278431	hyper	sig	chr2_206642418
chr4	4858164	4858164	+	1.615E-22	4.8902E-21	0.374897	hyper	sig	chr4_4858164
chr3	32817906	32817906	+	1.616E-22	4.8946E-21	0.251239	hyper	sig	chr3_32817906
chr20	21706746	21706746	+	1.617E-22	4.8956E-21	0.309763	hyper	sig	chr20_21706746
chr7	1.51E+08	151085441	+	1.621E-22	4.9093E-21	0.314603	hyper	sig	chr7_151085441
chr17	17793024	17793024	+	1.622E-22	4.91E-21	0.306203	hyper	sig	chr17_17793024
chr16	11675862	11675862	+	1.622E-22	4.9119E-21	-0.36076	hypo	sig	chr16_11675862
chr9	1.33E+08	132586577	+	1.625E-22	4.9189E-21	0.316765	hyper	sig	chr9_132586577
chr7	1383289	1383289	+	1.625E-22	4.9203E-21	-0.34344	hypo	sig	chr7_1383289
chr1	27567379	27567379	+	1.627E-22	4.9263E-21	0.373614	hyper	sig	chr1_27567379

chr7	194861	194861	+	1.629E-22	4.9311E-21	0.273321	hyper	sig	chr7_194861
chr5	1.75E+08	174688528	+	1.63E-22	4.9346E-21	0.291517	hyper	sig	chr5_174688528
chr12	1.24E+08	123909410	+	1.63E-22	4.935E-21	-0.35752	hypo	sig	chr12_123909410
chr2	70888114	70888114	+	1.636E-22	4.9522E-21	0.285491	hyper	sig	chr2_70888114
chr17	80919768	80919768	+	1.642E-22	4.9691E-21	0.296628	hyper	sig	chr17_80919768
chr11	1485837	1485837	+	1.643E-22	4.9731E-21	0.26047	hyper	sig	chr11_1485837
chr7	1.5E+08	150221063	+	1.644E-22	4.9747E-21	0.244988	hyper	sig	chr7_150221063
chr12	1.07E+08	107331335	+	1.645E-22	4.9791E-21	-0.305	hypo	sig	chr12_107331335
chr16	89248009	89248009	+	1.646E-22	4.9811E-21	0.361026	hyper	sig	chr16_89248009
chr19	1908174	1908174	+	1.646E-22	4.9811E-21	-0.32378	hypo	sig	chr19_1908174
chr17	2983077	2983077	+	1.646E-22	4.9823E-21	0.283294	hyper	sig	chr17_2983077
chr13	99657958	99657958	+	1.647E-22	4.983E-21	0.282175	hyper	sig	chr13_99657958
chr19	17282086	17282086	+	1.648E-22	4.9875E-21	0.21067	hyper	sig	chr19_17282086
chr1	24931526	24931526	+	1.649E-22	4.988E-21	0.342736	hyper	sig	chr1_24931526
chr3	1.84E+08	184492304	+	1.649E-22	4.9893E-21	0.289986	hyper	sig	chr3_184492304
chr10	23172413	23172413	+	1.651E-22	4.9954E-21	0.432879	hyper	sig	chr10_23172413
chr4	41879908	41879908	+	1.651E-22	4.9961E-21	0.244979	hyper	sig	chr4_41879908
chr14	1E+08	100076277	+	1.653E-22	4.9995E-21	-0.31509	hypo	sig	chr14_100076277
chr2	97724199	97724199	+	1.654E-22	5.0029E-21	0.34806	hyper	sig	chr2_97724199
chr5	1.78E+08	178165817	+	1.654E-22	5.0035E-21	0.343685	hyper	sig	chr5_178165817
chr5	59894019	59894019	+	1.655E-22	5.0062E-21	0.254377	hyper	sig	chr5_59894019
chr1	2.28E+08	228464611	+	1.655E-22	5.007E-21	0.246903	hyper	sig	chr1_228464611
chr1	3141635	3141635	+	1.656E-22	5.0078E-21	-0.28108	hypo	sig	chr1_3141635
chr18	46333639	46333639	+	1.657E-22	5.0116E-21	0.22757	hyper	sig	chr18_46333639
chr14	1.03E+08	102893855	+	1.657E-22	5.0122E-21	0.278561	hyper	sig	chr14_102893855
chr15	64763183	64763183	+	1.658E-22	5.0153E-21	0.261823	hyper	sig	chr15_64763183
chr8	84183812	84183812	+	1.661E-22	5.0233E-21	0.315657	hyper	sig	chr8_84183812
chr10	1.04E+08	103559288	+	1.664E-22	5.032E-21	-0.32767	hypo	sig	chr10_103559288
chr8	1.16E+08	115648519	+	1.666E-22	5.0391E-21	0.336739	hyper	sig	chr8_115648519
chr1	2242157	2242157	+	1.667E-22	5.0405E-21	0.300971	hyper	sig	chr1_2242157
chr2	203455	203455	+	1.668E-22	5.0444E-21	-0.2683	hypo	sig	chr2_203455
chr7	1625316	1625316	+	1.67E-22	5.0484E-21	-0.34963	hypo	sig	chr7_1625316
chr7	1206307	1206307	+	1.671E-22	5.0517E-21	-0.2813	hypo	sig	chr7_1206307
chr10	1736595	1736595	+	1.671E-22	5.053E-21	0.256711	hyper	sig	chr10_1736595
chr7	85185787	85185787	+	1.672E-22	5.0542E-21	0.273522	hyper	sig	chr7_85185787
chr22	36703085	36703085	+	1.674E-22	5.0593E-21	0.331936	hyper	sig	chr22_36703085
chr13	95643890	95643890	+	1.674E-22	5.06E-21	0.28737	hyper	sig	chr13_95643890
chr8	71558909	71558909	+	1.674E-22	5.0613E-21	0.31505	hyper	sig	chr8_71558909
chr1	38044522	38044522	+	1.676E-22	5.0663E-21	0.320218	hyper	sig	chr1_38044522
chr13	78596547	78596547	+	1.676E-22	5.0663E-21	0.430007	hyper	sig	chr13_78596547
chr5	71695267	71695267	+	1.678E-22	5.0704E-21	-0.27861	hypo	sig	chr5_71695267
chr19	22286440	22286440	+	1.678E-22	5.0732E-21	0.321919	hyper	sig	chr19_22286440
chr3	1.26E+08	125698502	+	1.679E-22	5.0734E-21	-0.31046	hypo	sig	chr3_125698502
chr10	1.22E+08	122191968	+	1.679E-22	5.0738E-21	0.267102	hyper	sig	chr10_122191968
chr12	43552099	43552099	+	1.679E-22	5.0738E-21	0.359965	hyper	sig	chr12_43552099
chr12	49091197	49091197	+	1.679E-22	5.0738E-21	0.318838	hyper	sig	chr12_49091197
chr8	26042493	26042493	+	1.679E-22	5.0751E-21	0.278475	hyper	sig	chr8_26042493
chr1	2.28E+08	228158397	+	1.681E-22	5.0789E-21	0.402005	hyper	sig	chr1_228158397
chr7	1.51E+08	151125862	+	1.681E-22	5.0793E-21	0.381457	hyper	sig	chr7_151125862
chr1	2.21E+08	220894921	+	1.682E-22	5.0809E-21	0.400558	hyper	sig	chr1_220894921
chr17	35487804	35487804	+	1.685E-22	5.0921E-21	0.231839	hyper	sig	chr17_35487804
chr5	1.35E+08	135028218	+	1.686E-22	5.0931E-21	0.370007	hyper	sig	chr5_135028218
chr8	96495364	96495364	+	1.691E-22	5.1075E-21	0.218919	hyper	sig	chr8_96495364
chr10	1.29E+08	129033150	+	1.691E-22	5.1093E-21	0.237211	hyper	sig	chr10_129033150
chr12	66828	66828	+	1.693E-22	5.1129E-21	0.248904	hyper	sig	chr12_66828
chr5	44388870	44388870	+	1.693E-22	5.1156E-21	0.3114	hyper	sig	chr5_44388870

chr4	30721679	30721679	+	1.695E-22	5.1196E-21	0.275865	hyper	sig	chr4_30721679
chr3	75655965	75655965	+	1.695E-22	5.1198E-21	0.310641	hyper	sig	chr3_75655965
chr12	62192446	62192446	+	1.696E-22	5.1229E-21	0.46879	hyper	sig	chr12_62192446
chr3	1.47E+08	147407978	+	1.696E-22	5.1239E-21	0.288485	hyper	sig	chr3_147407978
chr4	1.74E+08	173517847	+	1.699E-22	5.1319E-21	0.300003	hyper	sig	chr4_173517847
chr7	56448732	56448732	+	1.7E-22	5.1336E-21	-0.25817	hypo	sig	chr7_56448732
chr2	86790341	86790341	+	1.7E-22	5.135E-21	0.292288	hyper	sig	chr2_86790341
chr3	1.73E+08	173398191	+	1.702E-22	5.14E-21	0.229092	hyper	sig	chr3_173398191
chr1	9321421	9321421	+	1.702E-22	5.141E-21	0.347373	hyper	sig	chr1_9321421
chr20	21703781	21703781	+	1.705E-22	5.1472E-21	0.387146	hyper	sig	chr20_21703781
chr10	25176472	25176472	+	1.705E-22	5.148E-21	0.212818	hyper	sig	chr10_25176472
chr17	28384647	28384647	+	1.705E-22	5.1483E-21	-0.35363	hypo	sig	chr17_28384647
chr4	1212069	1212069	+	1.707E-22	5.155E-21	0.36365	hyper	sig	chr4_1212069
chr5	1.71E+08	171308765	+	1.708E-22	5.1564E-21	0.287273	hyper	sig	chr5_171308765
chr2	1.19E+08	118849882	+	1.708E-22	5.1566E-21	0.237095	hyper	sig	chr2_118849882
chr14	1.04E+08	104422711	+	1.709E-22	5.1581E-21	0.303811	hyper	sig	chr14_104422711
chr15	1.01E+08	100973600	+	1.711E-22	5.1644E-21	0.338792	hyper	sig	chr15_100973600
chr4	1.25E+08	125316487	+	1.716E-22	5.1789E-21	0.213888	hyper	sig	chr4_125316487
chr19	35558467	35558467	+	1.718E-22	5.1862E-21	0.317003	hyper	sig	chr19_35558467
chr1	47445171	47445171	+	1.719E-22	5.189E-21	0.205755	hyper	sig	chr1_47445171
chr13	57631004	57631004	+	1.72E-22	5.192E-21	0.360151	hyper	sig	chr13_57631004
chr5	1.71E+08	171316572	+	1.721E-22	5.1947E-21	0.284999	hyper	sig	chr5_171316572
chr12	46831512	46831512	+	1.723E-22	5.1984E-21	0.224596	hyper	sig	chr12_46831512
chr1	1.58E+08	158181641	+	1.723E-22	5.1987E-21	0.336643	hyper	sig	chr1_158181641
chr16	1122019	1122019	+	1.723E-22	5.1989E-21	-0.30224	hypo	sig	chr16_1122019
chr6	27215129	27215129	+	1.724E-22	5.2026E-21	0.237079	hyper	sig	chr6_27215129
chr3	1.47E+08	147392411	+	1.726E-22	5.2079E-21	0.319678	hyper	sig	chr3_147392411
chr15	22951883	22951883	+	1.726E-22	5.2081E-21	0.275607	hyper	sig	chr15_22951883
chr21	45436185	45436185	+	1.726E-22	5.2084E-21	-0.29392	hypo	sig	chr21_45436185
chr6	1.69E+08	169140674	+	1.729E-22	5.2159E-21	-0.25718	hypo	sig	chr6_169140674
chr2	85134786	85134786	+	1.729E-22	5.2168E-21	0.318831	hyper	sig	chr2_85134786
chr6	36285303	36285303	+	1.73E-22	5.2206E-21	0.265739	hyper	sig	chr6_36285303
chr7	1.58E+08	157675705	+	1.732E-22	5.2238E-21	-0.31237	hypo	sig	chr7_157675705
chr8	64578738	64578738	+	1.733E-22	5.2285E-21	0.29484	hyper	sig	chr8_64578738
chr17	83014429	83014429	+	1.734E-22	5.2316E-21	-0.31957	hypo	sig	chr17_83014429
chr2	91443020	91443020	+	1.735E-22	5.2335E-21	0.322245	hyper	sig	chr2_91443020
chr1	27350708	27350708	+	1.737E-22	5.2391E-21	0.372781	hyper	sig	chr1_27350708
chr5	1.79E+08	178941344	+	1.74E-22	5.2469E-21	0.363709	hyper	sig	chr5_178941344
chr1	50416264	50416264	+	1.743E-22	5.2579E-21	0.307194	hyper	sig	chr1_50416264
chr8	64369660	64369660	+	1.744E-22	5.2604E-21	0.266233	hyper	sig	chr8_64369660
chr7	1.57E+08	157004310	+	1.744E-22	5.2608E-21	0.20674	hyper	sig	chr7_157004310
chr15	95327783	95327783	+	1.746E-22	5.2653E-21	-0.32165	hypo	sig	chr15_95327783
chr5	1290883	1290883	+	1.746E-22	5.2667E-21	-0.34251	hypo	sig	chr5_1290883
chr6	42710560	42710560	+	1.75E-22	5.2784E-21	0.370483	hyper	sig	chr6_42710560
chr21	42064174	42064174	+	1.753E-22	5.2849E-21	-0.28989	hypo	sig	chr21_42064174
chr17	81734491	81734491	+	1.753E-22	5.2869E-21	-0.29026	hypo	sig	chr17_81734491
chr1	1.44E+08	143652013	+	1.753E-22	5.287E-21	0.320002	hyper	sig	chr1_143652013
chr1	2.29E+08	229407798	+	1.755E-22	5.2907E-21	0.289762	hyper	sig	chr1_229407798
chr19	31354107	31354107	+	1.755E-22	5.2907E-21	-0.32786	hypo	sig	chr19_31354107
chr10	1.01E+08	101135996	+	1.756E-22	5.2929E-21	0.342643	hyper	sig	chr10_101135996
chr17	41583245	41583245	+	1.757E-22	5.2957E-21	-0.33816	hypo	sig	chr17_41583245
chr1	1.48E+08	148309706	+	1.759E-22	5.3015E-21	0.260355	hyper	sig	chr1_148309706
chr19	35757019	35757019	+	1.76E-22	5.3046E-21	0.270497	hyper	sig	chr19_35757019
chr1	38578555	38578555	+	1.76E-22	5.3058E-21	0.204033	hyper	sig	chr1_38578555
chr17	6714276	6714276	+	1.76E-22	5.3058E-21	0.284473	hyper	sig	chr17_6714276
chr13	1.13E+08	113417608	+	1.761E-22	5.3066E-21	-0.34173	hypo	sig	chr13_113417608

chr1	1965025	1965025	+	1.761E-22	5.3078E-21	-0.28359	hypo	sig	chr1_1965025
chr19	53467555	53467555	+	1.762E-22	5.3087E-21	0.215729	hyper	sig	chr19_53467555
chr1	2.29E+08	229407197	+	1.764E-22	5.3152E-21	0.332136	hyper	sig	chr1_229407197
chr8	53880067	53880067	+	1.764E-22	5.3153E-21	0.258255	hyper	sig	chr8_53880067
chr19	21485862	21485862	+	1.765E-22	5.3175E-21	-0.43789	hypo	sig	chr19_21485862
chr4	8394210	8394210	+	1.765E-22	5.3177E-21	0.268323	hyper	sig	chr4_8394210
chr7	56115963	56115963	+	1.766E-22	5.3202E-21	0.322648	hyper	sig	chr7_56115963
chr16	49275309	49275309	+	1.767E-22	5.325E-21	0.313364	hyper	sig	chr16_49275309
chr15	70050056	70050056	+	1.768E-22	5.3283E-21	0.288648	hyper	sig	chr15_70050056
chr2	951539	951539	+	1.769E-22	5.3304E-21	0.383314	hyper	sig	chr2_951539
chr11	1554525	1554525	+	1.77E-22	5.3322E-21	-0.33713	hypo	sig	chr11_1554525
chr16	67163181	67163181	+	1.772E-22	5.3379E-21	0.308817	hyper	sig	chr16_67163181
chr1	2.28E+08	228464625	+	1.774E-22	5.345E-21	0.224711	hyper	sig	chr1_228464625
chr2	80324315	80324315	+	1.775E-22	5.3468E-21	-0.35001	hypo	sig	chr2_80324315
chr19	36331787	36331787	+	1.775E-22	5.3472E-21	0.242933	hyper	sig	chr19_36331787
chr20	3732867	3732867	+	1.776E-22	5.3488E-21	0.222344	hyper	sig	chr20_3732867
chr1	2E+08	200036304	+	1.777E-22	5.3514E-21	0.398119	hyper	sig	chr1_200036304
chr7	8442467	8442467	+	1.778E-22	5.3558E-21	0.311596	hyper	sig	chr7_8442467
chr14	66012820	66012820	+	1.778E-22	5.3562E-21	-0.35286	hypo	sig	chr14_66012820
chr10	23195938	23195938	+	1.78E-22	5.3593E-21	0.284015	hyper	sig	chr10_23195938
chr3	1.85E+08	184583488	+	1.782E-22	5.3657E-21	0.374272	hyper	sig	chr3_184583488
chr10	633433	633433	+	1.782E-22	5.3669E-21	0.264044	hyper	sig	chr10_633433
chr1	20552242	20552242	+	1.785E-22	5.3751E-21	0.314252	hyper	sig	chr1_20552242
chr17	81199849	81199849	+	1.788E-22	5.385E-21	0.270413	hyper	sig	chr17_81199849
chr7	1.5E+08	150049505	+	1.789E-22	5.3867E-21	0.302075	hyper	sig	chr7_150049505
chr19	53308637	53308637	+	1.791E-22	5.3935E-21	0.293313	hyper	sig	chr19_53308637
chr7	1.58E+08	157739603	+	1.793E-22	5.3988E-21	-0.34552	hypo	sig	chr7_157739603
chr5	1.81E+08	181174204	+	1.794E-22	5.3998E-21	0.312879	hyper	sig	chr5_181174204
chr1	75128368	75128368	+	1.794E-22	5.4021E-21	0.265707	hyper	sig	chr1_75128368
chr17	81153513	81153513	+	1.797E-22	5.4096E-21	-0.36594	hypo	sig	chr17_81153513
chr8	71843296	71843296	+	1.797E-22	5.4096E-21	0.302374	hyper	sig	chr8_71843296
chr19	57935431	57935431	+	1.798E-22	5.4109E-21	0.246568	hyper	sig	chr19_57935431
chr7	1.01E+08	100866523	+	1.799E-22	5.4138E-21	-0.31962	hypo	sig	chr7_100866523
chr9	1.37E+08	137199124	+	1.799E-22	5.4162E-21	-0.29004	hypo	sig	chr9_137199124
chr13	1.13E+08	113420042	+	1.8E-22	5.418E-21	-0.36539	hypo	sig	chr13_113420042
chr7	1602253	1602253	+	1.805E-22	5.431E-21	-0.29964	hypo	sig	chr7_1602253
chr11	1.08E+08	107929230	+	1.805E-22	5.4315E-21	0.260939	hyper	sig	chr11_107929230
chr7	79454262	79454262	+	1.805E-22	5.4326E-21	0.289694	hyper	sig	chr7_79454262
chr3	42265088	42265088	+	1.807E-22	5.439E-21	0.34721	hyper	sig	chr3_42265088
chr12	1.03E+08	102962224	+	1.808E-22	5.4406E-21	0.27682	hyper	sig	chr12_102962224
chr11	1371130	1371130	+	1.808E-22	5.4412E-21	-0.32231	hypo	sig	chr11_1371130
chr16	62034793	62034793	+	1.808E-22	5.4412E-21	0.347576	hyper	sig	chr16_62034793
chr18	59696490	59696490	+	1.809E-22	5.4432E-21	0.22703	hyper	sig	chr18_59696490
chr13	1.12E+08	112057673	+	1.811E-22	5.4479E-21	0.317405	hyper	sig	chr13_112057673
chr4	10461781	10461781	+	1.811E-22	5.4488E-21	0.307646	hyper	sig	chr4_10461781
chr4	1.9E+08	190017935	+	1.812E-22	5.4505E-21	0.265415	hyper	sig	chr4_190017935
chr7	4725283	4725283	+	1.812E-22	5.4505E-21	0.250828	hyper	sig	chr7_4725283
chr10	75408385	75408385	+	1.813E-22	5.4532E-21	0.372898	hyper	sig	chr10_75408385
chr2	73291633	73291633	+	1.816E-22	5.4637E-21	0.277258	hyper	sig	chr2_73291633
chr5	1503440	1503440	+	1.817E-22	5.4647E-21	-0.3396	hypo	sig	chr5_1503440
chr17	80478227	80478227	+	1.819E-22	5.4721E-21	0.324318	hyper	sig	chr17_80478227
chr8	1.05E+08	105319931	+	1.823E-22	5.4846E-21	0.201429	hyper	sig	chr8_105319931
chr16	86432888	86432888	+	1.824E-22	5.4869E-21	0.361467	hyper	sig	chr16_86432888
chr2	96859147	96859147	+	1.825E-22	5.4886E-21	0.251277	hyper	sig	chr2_96859147
chr2	1.74E+08	174328110	+	1.826E-22	5.4913E-21	0.247732	hyper	sig	chr2_174328110
chr3	5023526	5023526	+	1.827E-22	5.4935E-21	-0.35381	hypo	sig	chr3_5023526

chr5	88659800	88659800	+	1.827E-22	5.4955E-21	0.265371	hyper	sig	chr5_88659800
chr1	1.19E+08	118999950	+	1.828E-22	5.4959E-21	0.292816	hyper	sig	chr1_118999950
chr1	47444243	47444243	+	1.835E-22	5.5169E-21	0.336499	hyper	sig	chr1_47444243
chr5	42924227	42924227	+	1.836E-22	5.5215E-21	0.309796	hyper	sig	chr5_42924227
chr6	83853377	83853377	+	1.838E-22	5.5253E-21	0.233075	hyper	sig	chr6_83853377
chr19	15741810	15741810	+	1.838E-22	5.5262E-21	-0.25177	hypo	sig	chr19_15741810
chr1	2.08E+08	207669667	+	1.842E-22	5.5378E-21	0.381317	hyper	sig	chr1_207669667
chr3	1.79E+08	179450976	+	1.843E-22	5.5392E-21	0.290913	hyper	sig	chr3_179450976
chr12	6132713	6132713	+	1.844E-22	5.5432E-21	0.283301	hyper	sig	chr12_6132713
chr1	1.19E+08	119008208	+	1.845E-22	5.5452E-21	0.258986	hyper	sig	chr1_119008208
chr17	81839201	81839201	+	1.845E-22	5.5452E-21	0.280626	hyper	sig	chr17_81839201
chr12	84911848	84911848	+	1.846E-22	5.5489E-21	0.274587	hyper	sig	chr12_84911848
chr11	66543863	66543863	+	1.847E-22	5.5515E-21	0.285419	hyper	sig	chr11_66543863
chr6	1.66E+08	165662016	+	1.847E-22	5.5521E-21	0.271938	hyper	sig	chr6_165662016
chr20	54475995	54475995	+	1.848E-22	5.5534E-21	0.446855	hyper	sig	chr20_54475995
chr11	32428252	32428252	+	1.849E-22	5.5574E-21	0.321536	hyper	sig	chr11_32428252
chr5	51382674	51382674	+	1.853E-22	5.5682E-21	0.295743	hyper	sig	chr5_51382674
chr2	5691067	5691067	+	1.853E-22	5.5693E-21	0.275823	hyper	sig	chr2_5691067
chr1	1.8E+08	179812787	+	1.854E-22	5.5702E-21	-0.37812	hypo	sig	chr1_179812787
chr8	2090113	2090113	+	1.854E-22	5.5702E-21	-0.2824	hypo	sig	chr8_2090113
chr6	1.6E+08	160006439	+	1.858E-22	5.5837E-21	0.312979	hyper	sig	chr6_160006439
chr5	1444716	1444716	+	1.86E-22	5.5883E-21	0.297907	hyper	sig	chr5_1444716
chr7	1.56E+08	155533139	+	1.86E-22	5.5885E-21	0.230005	hyper	sig	chr7_155533139
chr2	1.83E+08	182867110	+	1.86E-22	5.5891E-21	0.260391	hyper	sig	chr2_182867110
chr1	2.27E+08	226690707	+	1.861E-22	5.5903E-21	0.299199	hyper	sig	chr1_226690707
chr8	1817465	1817465	+	1.861E-22	5.5916E-21	-0.28199	hypo	sig	chr8_1817465
chr16	54936448	54936448	+	1.862E-22	5.5941E-21	0.232638	hyper	sig	chr16_54936448
chr22	20429576	20429576	+	1.862E-22	5.5945E-21	-0.34089	hypo	sig	chr22_20429576
chr5	44388856	44388856	+	1.864E-22	5.6001E-21	0.296877	hyper	sig	chr5_44388856
chr17	80470548	80470548	+	1.866E-22	5.6053E-21	-0.30434	hypo	sig	chr17_80470548
chr13	78595657	78595657	+	1.866E-22	5.6055E-21	0.343497	hyper	sig	chr13_78595657
chr12	53955507	53955507	+	1.867E-22	5.608E-21	0.367735	hyper	sig	chr12_53955507
chr4	1.57E+08	157076598	+	1.869E-22	5.6129E-21	0.277634	hyper	sig	chr4_157076598
chr1	2.48E+08	247855514	+	1.869E-22	5.6131E-21	-0.3604	hypo	sig	chr1_247855514
chr5	1883149	1883149	+	1.869E-22	5.6132E-21	0.288515	hyper	sig	chr5_1883149
chr8	32548355	32548355	+	1.869E-22	5.6133E-21	0.213332	hyper	sig	chr8_32548355
chr1	57422752	57422752	+	1.871E-22	5.6172E-21	0.335027	hyper	sig	chr1_57422752
chr3	1.92E+08	191952468	+	1.873E-22	5.6249E-21	-0.29284	hypo	sig	chr3_191952468
chr5	31855092	31855092	+	1.875E-22	5.6289E-21	0.235722	hyper	sig	chr5_31855092
chr7	1747558	1747558	+	1.875E-22	5.6312E-21	-0.31855	hypo	sig	chr7_1747558
chr7	56118930	56118930	+	1.877E-22	5.6353E-21	-0.34478	hypo	sig	chr7_56118930
chr3	1.38E+08	137761917	+	1.878E-22	5.6392E-21	0.310136	hyper	sig	chr3_137761917
chr16	50673884	50673884	+	1.88E-22	5.6453E-21	0.369944	hyper	sig	chr16_50673884
chr1	2.46E+08	245577361	+	1.884E-22	5.6565E-21	-0.34094	hypo	sig	chr1_245577361
chr2	2.13E+08	212536800	+	1.886E-22	5.6607E-21	0.316637	hyper	sig	chr2_212536800
chr12	81077827	81077827	+	1.886E-22	5.6613E-21	0.274749	hyper	sig	chr12_81077827
chr2	1743328	1743328	+	1.887E-22	5.6646E-21	0.27108	hyper	sig	chr2_1743328
chr20	45842379	45842379	+	1.889E-22	5.669E-21	0.339828	hyper	sig	chr20_45842379
chr14	74240263	74240263	+	1.891E-22	5.6771E-21	0.307915	hyper	sig	chr14_74240263
chr20	36540609	36540609	+	1.893E-22	5.6807E-21	0.335293	hyper	sig	chr20_36540609
chr7	98870493	98870493	+	1.894E-22	5.6842E-21	0.257242	hyper	sig	chr7_98870493
chr6	37559602	37559602	+	1.895E-22	5.6873E-21	-0.32763	hypo	sig	chr6_37559602
chr18	37328663	37328663	+	1.896E-22	5.6898E-21	-0.32316	hypo	sig	chr18_37328663
chr19	49196655	49196655	+	1.897E-22	5.6931E-21	0.366981	hyper	sig	chr19_49196655
chr7	1.49E+08	149415252	+	1.899E-22	5.6995E-21	0.285685	hyper	sig	chr7_149415252
chr5	1.81E+08	181059705	+	1.904E-22	5.7135E-21	0.270429	hyper	sig	chr5_181059705

chr19	55647519	55647519	+	1.905E-22	5.7154E-21	0.237872	hyper	sig	chr19_55647519
chr9	1052573	1052573	+	1.905E-22	5.716E-21	0.369387	hyper	sig	chr9_1052573
chr12	1.14E+08	114404922	+	1.906E-22	5.7189E-21	0.265819	hyper	sig	chr12_114404922
chr7	1.58E+08	157691560	+	1.907E-22	5.7205E-21	0.230492	hyper	sig	chr7_157691560
chr5	1.14E+08	114055942	+	1.908E-22	5.7239E-21	0.30235	hyper	sig	chr5_114055942
chr13	70107891	70107891	+	1.909E-22	5.7285E-21	0.377946	hyper	sig	chr13_70107891
chr12	30794984	30794984	+	1.911E-22	5.7338E-21	-0.31199	hypo	sig	chr12_30794984
chr15	83107098	83107098	+	1.912E-22	5.7345E-21	0.222104	hyper	sig	chr15_83107098
chr22	38873258	38873258	+	1.912E-22	5.736E-21	0.217294	hyper	sig	chr22_38873258
chr13	78607258	78607258	+	1.913E-22	5.7371E-21	0.314469	hyper	sig	chr13_78607258
chr13	1.01E+08	101416966	+	1.915E-22	5.7432E-21	0.277101	hyper	sig	chr13_101416966
chr7	27239995	27239995	+	1.916E-22	5.7477E-21	0.319293	hyper	sig	chr7_27239995
chr10	1.33E+08	133070743	+	1.919E-22	5.7552E-21	-0.29488	hypo	sig	chr10_133070743
chr8	68331729	68331729	+	1.92E-22	5.758E-21	0.346688	hyper	sig	chr8_68331729
chr16	51156248	51156248	+	1.921E-22	5.7615E-21	0.301595	hyper	sig	chr16_51156248
chr11	20160733	20160733	+	1.922E-22	5.7636E-21	0.317593	hyper	sig	chr11_20160733
chr2	70767794	70767794	+	1.922E-22	5.765E-21	0.215542	hyper	sig	chr2_70767794
chr5	43019844	43019844	+	1.923E-22	5.7656E-21	-0.23546	hypo	sig	chr5_43019844
chr6	75202000	75202000	+	1.924E-22	5.7679E-21	0.259836	hyper	sig	chr6_75202000
chr11	20598187	20598187	+	1.924E-22	5.7697E-21	0.277616	hyper	sig	chr11_20598187
chr10	1.16E+08	116272142	+	1.924E-22	5.7698E-21	0.244442	hyper	sig	chr10_116272142
chr2	38038526	38038526	+	1.925E-22	5.7703E-21	0.339622	hyper	sig	chr2_38038526
chr13	1.12E+08	112056450	+	1.925E-22	5.7717E-21	0.442322	hyper	sig	chr13_112056450
chr10	1.33E+08	132943106	+	1.925E-22	5.7718E-21	0.435777	hyper	sig	chr10_132943106
chr16	1205080	1205080	+	1.928E-22	5.7793E-21	-0.40196	hypo	sig	chr16_1205080
chr22	21632786	21632786	+	1.928E-22	5.7793E-21	-0.26918	hypo	sig	chr22_21632786
chr8	1.42E+08	142465515	+	1.928E-22	5.7801E-21	-0.32463	hypo	sig	chr8_142465515
chr11	65833349	65833349	+	1.929E-22	5.7813E-21	0.305762	hyper	sig	chr11_65833349
chr10	86263127	86263127	+	1.929E-22	5.7825E-21	0.281203	hyper	sig	chr10_86263127
chr5	1.16E+08	115816325	+	1.935E-22	5.8012E-21	0.28606	hyper	sig	chr5_115816325
chr12	1.31E+08	131028801	+	1.936E-22	5.8031E-21	-0.31049	hypo	sig	chr12_131028801
chr11	61566913	61566913	+	1.941E-22	5.8172E-21	-0.23885	hypo	sig	chr11_61566913
chr1	2.21E+08	220881403	+	1.942E-22	5.8194E-21	0.204047	hyper	sig	chr1_220881403
chr17	1137783	1137783	+	1.945E-22	5.8302E-21	-0.27529	hypo	sig	chr17_1137783
chr5	1.29E+08	128537704	+	1.946E-22	5.8319E-21	0.255556	hyper	sig	chr5_128537704
chr17	48551456	48551456	+	1.947E-22	5.8341E-21	0.314231	hyper	sig	chr17_48551456
chr7	1123913	1123913	+	1.95E-22	5.843E-21	0.302163	hyper	sig	chr7_1123913
chr8	56320710	56320710	+	1.954E-22	5.8539E-21	-0.32574	hypo	sig	chr8_56320710
chr17	82342466	82342466	+	1.955E-22	5.8557E-21	-0.33877	hypo	sig	chr17_82342466
chr3	1.35E+08	134651173	+	1.957E-22	5.862E-21	0.213462	hyper	sig	chr3_134651173
chr19	58119142	58119142	+	1.959E-22	5.8696E-21	-0.34315	hypo	sig	chr19_58119142
chr2	1.19E+08	118854806	+	1.959E-22	5.8696E-21	0.313055	hyper	sig	chr2_118854806
chr22	19029332	19029332	+	1.96E-22	5.8725E-21	0.333053	hyper	sig	chr22_19029332
chr1	1.57E+08	156919358	+	1.961E-22	5.8726E-21	-0.31642	hypo	sig	chr1_156919358
chr6	1.68E+08	168079188	+	1.963E-22	5.8801E-21	-0.29336	hypo	sig	chr6_168079188
chr1	1.14E+08	114154432	+	1.97E-22	5.8996E-21	0.221954	hyper	sig	chr1_114154432
chr17	83014457	83014457	+	1.97E-22	5.8997E-21	-0.27437	hypo	sig	chr17_83014457
chr11	1.29E+08	128549461	+	1.972E-22	5.9069E-21	0.299536	hyper	sig	chr11_128549461
chr19	32870137	32870137	+	1.973E-22	5.9096E-21	-0.3034	hypo	sig	chr19_32870137
chr8	52941612	52941612	+	1.974E-22	5.9107E-21	0.3531	hyper	sig	chr8_52941612
chr16	55656666	55656666	+	1.975E-22	5.9142E-21	0.299741	hyper	sig	chr16_55656666
chr21	36710760	36710760	+	1.976E-22	5.9165E-21	0.327032	hyper	sig	chr21_36710760
chr8	4992000	4992000	+	1.976E-22	5.9171E-21	0.34777	hyper	sig	chr8_4992000
chr14	37611035	37611035	+	1.979E-22	5.9263E-21	0.303846	hyper	sig	chr14_37611035
chr5	1.32E+08	132257433	+	1.979E-22	5.9263E-21	0.216455	hyper	sig	chr5_132257433
chr2	1.28E+08	127663210	+	1.983E-22	5.9361E-21	0.266155	hyper	sig	chr2_127663210

chr8	97624887	97624887	+	1.984E-22	5.9391E-21	-0.23721	hypo	sig	chr8_97624887
chr3	1.54E+08	154428035	+	1.985E-22	5.9431E-21	0.327265	hyper	sig	chr3_154428035
chr5	2749634	2749634	+	1.987E-22	5.9466E-21	0.323926	hyper	sig	chr5_2749634
chr2	1.31E+08	130897556	+	1.989E-22	5.9541E-21	-0.28361	hypo	sig	chr2_130897556
chr15	92583808	92583808	+	1.989E-22	5.9546E-21	-0.24169	hypo	sig	chr15_92583808
chr1	38044510	38044510	+	1.991E-22	5.9603E-21	0.321558	hyper	sig	chr1_38044510
chr3	38030100	38030100	+	1.993E-22	5.9637E-21	0.241976	hyper	sig	chr3_38030100
chr16	81493752	81493752	+	1.994E-22	5.9688E-21	-0.26286	hypo	sig	chr16_81493752
chr5	1.46E+08	146339367	+	1.996E-22	5.9734E-21	0.391091	hyper	sig	chr5_146339367
chr19	1907702	1907702	+	1.998E-22	5.9791E-21	-0.29468	hypo	sig	chr19_1907702
chr11	1.12E+08	111540210	+	1.999E-22	5.9812E-21	0.32837	hyper	sig	chr11_111540210
chr19	58118617	58118617	+	1.999E-22	5.982E-21	0.344837	hyper	sig	chr19_58118617
chr19	53942643	53942643	+	2E-22	5.9844E-21	0.392766	hyper	sig	chr19_53942643
chr14	75124193	75124193	+	2E-22	5.9847E-21	-0.26276	hypo	sig	chr14_75124193
chr14	85529404	85529404	+	2.002E-22	5.9899E-21	0.235215	hyper	sig	chr14_85529404
chr7	35257559	35257559	+	2.002E-22	5.991E-21	0.295956	hyper	sig	chr7_35257559
chr1	10649089	10649089	+	2.003E-22	5.9914E-21	0.306739	hyper	sig	chr1_10649089
chr1	1.53E+08	152676282	+	2.003E-22	5.9918E-21	-0.25906	hypo	sig	chr1_152676282
chr22	50281989	50281989	+	2.003E-22	5.9925E-21	-0.34383	hypo	sig	chr22_50281989
chr8	1.42E+08	142454244	+	2.004E-22	5.9942E-21	-0.31253	hypo	sig	chr8_142454244
chr7	1.01E+08	101362629	+	2.005E-22	5.9979E-21	0.309175	hyper	sig	chr7_101362629
chr12	1.27E+08	127278141	+	2.005E-22	5.9987E-21	-0.41446	hypo	sig	chr12_127278141
chr11	66676942	66676942	+	2.009E-22	6.0088E-21	0.307785	hyper	sig	chr11_66676942
chr7	1238154	1238154	+	2.009E-22	6.0093E-21	0.340212	hyper	sig	chr7_1238154
chr10	48685291	48685291	+	2.013E-22	6.0191E-21	-0.3208	hypo	sig	chr10_48685291
chr5	58583659	58583659	+	2.013E-22	6.0198E-21	0.308138	hyper	sig	chr5_58583659
chr15	84080179	84080179	+	2.013E-22	6.0209E-21	0.235377	hyper	sig	chr15_84080179
chr22	21632687	21632687	+	2.014E-22	6.0225E-21	-0.30981	hypo	sig	chr22_21632687
chr15	25210844	25210844	+	2.018E-22	6.0347E-21	-0.2899	hypo	sig	chr15_25210844
chr11	1.02E+08	101584034	+	2.019E-22	6.0364E-21	0.320628	hyper	sig	chr11_101584034
chr3	1.47E+08	147408143	+	2.022E-22	6.0457E-21	0.294616	hyper	sig	chr3_147408143
chr7	1.55E+08	155374662	+	2.024E-22	6.0509E-21	0.239373	hyper	sig	chr7_155374662
chr1	1282199	1282199	+	2.025E-22	6.0529E-21	-0.29943	hypo	sig	chr1_1282199
chr4	1.56E+08	155759895	+	2.03E-22	6.0683E-21	0.251898	hyper	sig	chr4_155759895
chr8	60908843	60908843	+	2.03E-22	6.0683E-21	-0.22113	hypo	sig	chr8_60908843
chr17	52159411	52159411	+	2.03E-22	6.0697E-21	0.298639	hyper	sig	chr17_52159411
chr10	27745162	27745162	+	2.031E-22	6.0703E-21	0.333736	hyper	sig	chr10_27745162
chr3	62377424	62377424	+	2.035E-22	6.0836E-21	0.298908	hyper	sig	chr3_62377424
chr17	32483782	32483782	+	2.038E-22	6.0918E-21	0.283022	hyper	sig	chr17_32483782
chr19	15264651	15264651	+	2.039E-22	6.0957E-21	0.245006	hyper	sig	chr19_15264651
chr17	34157045	34157045	+	2.041E-22	6.1E-21	0.241886	hyper	sig	chr17_34157045
chr6	71886893	71886893	+	2.042E-22	6.1036E-21	0.447677	hyper	sig	chr6_71886893
chr5	1.41E+08	140876705	+	2.047E-22	6.1167E-21	0.35878	hyper	sig	chr5_140876705
chr3	1.46E+08	146251940	+	2.047E-22	6.118E-21	0.322294	hyper	sig	chr3_146251940
chr7	97026189	97026189	+	2.048E-22	6.1192E-21	0.245824	hyper	sig	chr7_97026189
chr9	1.31E+08	131013616	+	2.049E-22	6.1233E-21	-0.30709	hypo	sig	chr9_131013616
chr5	1.41E+08	141427870	+	2.054E-22	6.1366E-21	0.274445	hyper	sig	chr5_141427870
chr10	1.32E+08	132447903	+	2.056E-22	6.1426E-21	-0.27169	hypo	sig	chr10_132447903
chr11	8039009	8039009	+	2.057E-22	6.1452E-21	-0.37973	hypo	sig	chr11_8039009
chr13	1.12E+08	112057712	+	2.057E-22	6.1472E-21	0.329985	hyper	sig	chr13_112057712
chr22	36286824	36286824	+	2.06E-22	6.1542E-21	0.341858	hyper	sig	chr22_36286824
chr14	23419241	23419241	+	2.061E-22	6.1571E-21	-0.31932	hypo	sig	chr14_23419241
chr16	1897114	1897114	+	2.062E-22	6.1607E-21	-0.34523	hypo	sig	chr16_1897114
chr7	19107722	19107722	+	2.064E-22	6.1671E-21	0.219711	hyper	sig	chr7_19107722
chr3	38634423	38634423	+	2.067E-22	6.1757E-21	-0.33372	hypo	sig	chr3_38634423
chr6	1.5E+08	149964516	+	2.069E-22	6.1791E-21	0.222108	hyper	sig	chr6_149964516

chr7	1672378	1672378	+	2.07E-22	6.1831E-21	-0.31609	hypo	sig	chr7_1672378
chr2	2.22E+08	222289482	+	2.073E-22	6.1915E-21	0.250743	hyper	sig	chr2_222289482
chr5	1.41E+08	141420957	+	2.077E-22	6.2034E-21	0.26106	hyper	sig	chr5_141420957
chr5	10562915	10562915	+	2.079E-22	6.2097E-21	0.336566	hyper	sig	chr5_10562915
chr12	47935458	47935458	+	2.08E-22	6.2119E-21	0.28368	hyper	sig	chr12_47935458
chr21	36710771	36710771	+	2.08E-22	6.2123E-21	0.338219	hyper	sig	chr21_36710771
chr11	1.04E+08	104164985	+	2.081E-22	6.2146E-21	-0.3626	hypo	sig	chr11_104164985
chr4	881477	881477	+	2.088E-22	6.2345E-21	0.297455	hyper	sig	chr4_881477
chr10	23191073	23191073	+	2.092E-22	6.2463E-21	0.304417	hyper	sig	chr10_23191073
chr21	45286844	45286844	+	2.092E-22	6.2471E-21	0.307868	hyper	sig	chr21_45286844
chr19	2252101	2252101	+	2.093E-22	6.2498E-21	0.32424	hyper	sig	chr19_2252101
chr8	1.42E+08	141903252	+	2.093E-22	6.2502E-21	-0.32151	hypo	sig	chr8_141903252
chr6	1.06E+08	105981798	+	2.094E-22	6.2518E-21	0.295728	hyper	sig	chr6_105981798
chr15	33310825	33310825	+	2.097E-22	6.2598E-21	0.372942	hyper	sig	chr15_33310825
chr7	43113931	43113931	+	2.099E-22	6.2662E-21	0.255562	hyper	sig	chr7_43113931
chr10	99232392	99232392	+	2.099E-22	6.2671E-21	0.219551	hyper	sig	chr10_99232392
chr13	1.1E+08	110475278	+	2.101E-22	6.2725E-21	-0.28089	hypo	sig	chr13_110475278
chr16	10183403	10183403	+	2.101E-22	6.2731E-21	0.227372	hyper	sig	chr16_10183403
chr20	21514836	21514836	+	2.104E-22	6.2804E-21	0.250353	hyper	sig	chr20_21514836
chr16	165496	165496	+	2.106E-22	6.2872E-21	0.253062	hyper	sig	chr16_165496
chr5	3606953	3606953	+	2.107E-22	6.2875E-21	0.319429	hyper	sig	chr5_3606953
chr12	4909430	4909430	+	2.107E-22	6.2899E-21	0.305443	hyper	sig	chr12_4909430
chr22	37805741	37805741	+	2.11E-22	6.2975E-21	0.243321	hyper	sig	chr22_37805741
chr1	1.81E+08	181483756	+	2.113E-22	6.3053E-21	0.314689	hyper	sig	chr1_181483756
chr17	19470883	19470883	+	2.113E-22	6.3053E-21	0.33125	hyper	sig	chr17_19470883
chr9	92807338	92807338	+	2.114E-22	6.3083E-21	0.326251	hyper	sig	chr9_92807338
chr11	69819566	69819566	+	2.114E-22	6.3091E-21	0.380688	hyper	sig	chr11_69819566
chr13	25171850	25171850	+	2.115E-22	6.3103E-21	0.294405	hyper	sig	chr13_25171850
chr14	77140507	77140507	+	2.116E-22	6.3143E-21	0.277252	hyper	sig	chr14_77140507
chr15	70050016	70050016	+	2.119E-22	6.324E-21	0.292791	hyper	sig	chr15_70050016
chr14	69259550	69259550	+	2.12E-22	6.3243E-21	0.244205	hyper	sig	chr14_69259550
chr22	48691971	48691971	+	2.12E-22	6.3243E-21	-0.34442	hypo	sig	chr22_48691971
chr19	18220265	18220265	+	2.121E-22	6.3287E-21	-0.24214	hypo	sig	chr19_18220265
chr8	56446198	56446198	+	2.122E-22	6.3315E-21	0.362676	hyper	sig	chr8_56446198
chr12	1.14E+08	114409689	+	2.122E-22	6.3318E-21	0.262187	hyper	sig	chr12_114409689
chr6	30260392	30260392	+	2.123E-22	6.3334E-21	0.241782	hyper	sig	chr6_30260392
chr7	35454750	35454750	+	2.126E-22	6.3407E-21	0.33609	hyper	sig	chr7_35454750
chr12	10098975	10098975	+	2.131E-22	6.3559E-21	0.252382	hyper	sig	chr12_10098975
chr3	75641263	75641263	+	2.137E-22	6.3748E-21	0.290625	hyper	sig	chr3_75641263
chr16	1543207	1543207	+	2.14E-22	6.3823E-21	-0.32274	hypo	sig	chr16_1543207
chr12	1.2E+08	120195302	+	2.141E-22	6.3867E-21	-0.30086	hypo	sig	chr12_120195302
chr20	46252318	46252318	+	2.142E-22	6.3875E-21	-0.26596	hypo	sig	chr20_46252318
chr5	1.35E+08	135490149	+	2.144E-22	6.393E-21	0.262974	hyper	sig	chr5_135490149
chr19	15480613	15480613	+	2.144E-22	6.3934E-21	-0.29766	hypo	sig	chr19_15480613
chr15	74047515	74047515	+	2.146E-22	6.398E-21	-0.25869	hypo	sig	chr15_74047515
chr17	78505418	78505418	+	2.148E-22	6.4041E-21	-0.27284	hypo	sig	chr17_78505418
chr7	1736440	1736440	+	2.148E-22	6.4055E-21	-0.31778	hypo	sig	chr7_1736440
chr17	56597811	56597811	+	2.15E-22	6.4106E-21	0.26716	hyper	sig	chr17_56597811
chr19	58440861	58440861	+	2.153E-22	6.4182E-21	0.290437	hyper	sig	chr19_58440861
chr7	27143466	27143466	+	2.154E-22	6.4213E-21	0.296079	hyper	sig	chr7_27143466
chr10	25925605	25925605	+	2.16E-22	6.4397E-21	-0.40342	hypo	sig	chr10_25925605
chr10	49679756	49679756	+	2.161E-22	6.4419E-21	0.310288	hyper	sig	chr10_49679756
chr12	1.25E+08	124786725	+	2.166E-22	6.457E-21	0.31159	hyper	sig	chr12_124786725
chr11	32428591	32428591	+	2.168E-22	6.4611E-21	0.3454	hyper	sig	chr11_32428591
chr2	1.29E+08	128733394	+	2.172E-22	6.474E-21	-0.22995	hypo	sig	chr2_128733394
chr6	1410230	1410230	+	2.172E-22	6.475E-21	-0.26556	hypo	sig	chr6_1410230

chr4	1.84E+08	184009743	+	2.173E-22	6.4766E-21	-0.27598	hypo	sig	chr4_184009743
chr10	26946653	26946653	+	2.175E-22	6.4817E-21	0.250241	hyper	sig	chr10_26946653
chr1	1.09E+08	108964074	+	2.178E-22	6.4919E-21	-0.36996	hypo	sig	chr1_108964074
chr5	1.41E+08	141149999	+	2.182E-22	6.5013E-21	0.300264	hyper	sig	chr5_141149999
chr3	1.41E+08	141052523	+	2.184E-22	6.5089E-21	0.331484	hyper	sig	chr3_141052523
chr16	1169583	1169583	+	2.185E-22	6.5105E-21	0.332971	hyper	sig	chr16_1169583
chr12	1.14E+08	114414263	+	2.185E-22	6.5122E-21	0.256592	hyper	sig	chr12_114414263
chr5	1.41E+08	141431320	+	2.186E-22	6.5128E-21	0.329749	hyper	sig	chr5_141431320
chr2	25167671	25167671	+	2.188E-22	6.5203E-21	0.301452	hyper	sig	chr2_25167671
chr3	51984105	51984105	+	2.19E-22	6.5255E-21	-0.32318	hypo	sig	chr3_51984105
chr11	45930252	45930252	+	2.191E-22	6.5278E-21	-0.28256	hypo	sig	chr11_45930252
chr16	29156772	29156772	+	2.192E-22	6.5306E-21	-0.39073	hypo	sig	chr16_29156772
chr5	83471551	83471551	+	2.198E-22	6.5484E-21	0.273955	hyper	sig	chr5_83471551
chr19	33623267	33623267	+	2.202E-22	6.5605E-21	0.276324	hyper	sig	chr19_33623267
chr17	35487810	35487810	+	2.203E-22	6.5617E-21	0.236219	hyper	sig	chr17_35487810
chr2	1.75E+08	174730183	+	2.204E-22	6.5647E-21	0.256773	hyper	sig	chr2_174730183
chr7	5407722	5407722	+	2.206E-22	6.5724E-21	0.263825	hyper	sig	chr7_5407722
chr17	50185825	50185825	+	2.212E-22	6.5899E-21	0.256633	hyper	sig	chr17_50185825
chr14	76138845	76138845	+	2.213E-22	6.5904E-21	0.338371	hyper	sig	chr14_76138845
chr3	1.6E+08	160039284	+	2.213E-22	6.5904E-21	0.31036	hyper	sig	chr3_160039284
chr14	56811516	56811516	+	2.214E-22	6.5934E-21	0.322485	hyper	sig	chr14_56811516
chr3	10816704	10816704	+	2.214E-22	6.5947E-21	0.29207	hyper	sig	chr3_10816704
chr4	54227502	54227502	+	2.216E-22	6.5992E-21	0.207319	hyper	sig	chr4_54227502
chr6	1.55E+08	155248066	+	2.216E-22	6.5993E-21	0.266846	hyper	sig	chr6_155248066
chr2	63056947	63056947	+	2.221E-22	6.6133E-21	0.238454	hyper	sig	chr2_63056947
chr2	71560672	71560672	+	2.221E-22	6.6136E-21	0.289135	hyper	sig	chr2_71560672
chr8	1958340	1958340	+	2.223E-22	6.6199E-21	0.248683	hyper	sig	chr8_1958340
chr13	78586997	78586997	+	2.226E-22	6.6278E-21	0.336252	hyper	sig	chr13_78586997
chr13	85363595	85363595	+	2.227E-22	6.6308E-21	-0.30589	hypo	sig	chr13_85363595
chr4	4872323	4872323	+	2.228E-22	6.6332E-21	0.267509	hyper	sig	chr4_4872323
chr13	1.13E+08	113338569	+	2.229E-22	6.6352E-21	0.35335	hyper	sig	chr13_113338569
chr14	1.04E+08	104182002	+	2.229E-22	6.636E-21	-0.34375	hypo	sig	chr14_104182002
chr22	36300967	36300967	+	2.231E-22	6.6422E-21	0.24999	hyper	sig	chr22_36300967
chr9	34809607	34809607	+	2.233E-22	6.6469E-21	0.278219	hyper	sig	chr9_34809607
chr2	66444524	66444524	+	2.239E-22	6.666E-21	0.291524	hyper	sig	chr2_66444524
chr16	86566671	86566671	+	2.24E-22	6.6683E-21	0.312957	hyper	sig	chr16_86566671
chr9	3181035	3181035	+	2.244E-22	6.6808E-21	0.240559	hyper	sig	chr9_3181035
chr17	81392413	81392413	+	2.245E-22	6.6819E-21	0.371893	hyper	sig	chr17_81392413
chr8	1.44E+08	144046957	+	2.246E-22	6.684E-21	-0.29768	hypo	sig	chr8_144046957
chr1	23826102	23826102	+	2.247E-22	6.687E-21	-0.33865	hypo	sig	chr1_23826102
chr11	1930579	1930579	+	2.247E-22	6.6877E-21	-0.29899	hypo	sig	chr11_1930579
chr1	18600022	18600022	+	2.249E-22	6.6928E-21	-0.3265	hypo	sig	chr1_18600022
chr10	1.01E+08	101228681	+	2.249E-22	6.6936E-21	0.2261	hyper	sig	chr10_101228681
chr17	78232209	78232209	+	2.249E-22	6.6936E-21	0.307854	hyper	sig	chr17_78232209
chr1	47433995	47433995	+	2.25E-22	6.6948E-21	0.288515	hyper	sig	chr1_47433995
chr12	81759669	81759669	+	2.251E-22	6.6978E-21	0.268515	hyper	sig	chr12_81759669
chr17	35487876	35487876	+	2.251E-22	6.6978E-21	0.243185	hyper	sig	chr17_35487876
chr6	1.52E+08	151809072	+	2.253E-22	6.7035E-21	0.279237	hyper	sig	chr6_151809072
chr7	2310113	2310113	+	2.254E-22	6.7066E-21	0.294421	hyper	sig	chr7_2310113
chr16	89343846	89343846	+	2.255E-22	6.7075E-21	-0.32603	hypo	sig	chr16_89343846
chr7	505073	505073	+	2.255E-22	6.7094E-21	-0.26345	hypo	sig	chr7_505073
chr4	1.33E+08	133146835	+	2.26E-22	6.7242E-21	0.203092	hyper	sig	chr4_133146835
chr5	42924195	42924195	+	2.261E-22	6.7252E-21	0.325835	hyper	sig	chr5_42924195
chr6	2857700	2857700	+	2.262E-22	6.7278E-21	-0.39169	hypo	sig	chr6_2857700
chr6	82363064	82363064	+	2.262E-22	6.7288E-21	0.367443	hyper	sig	chr6_82363064
chr5	1.79E+08	179344775	+	2.265E-22	6.7386E-21	0.351988	hyper	sig	chr5_179344775

chr20	46174964	46174964	+	2.267E-22	6.742E-21	0.361721	hyper	sig	chr20_46174964
chr7	213419	213419	+	2.268E-22	6.745E-21	-0.35589	hypo	sig	chr7_213419
chr9	37026764	37026764	+	2.27E-22	6.7503E-21	0.347309	hyper	sig	chr9_37026764
chr1	1.08E+08	107964776	+	2.272E-22	6.757E-21	0.237989	hyper	sig	chr1_107964776
chr14	1.04E+08	104422724	+	2.272E-22	6.757E-21	0.304186	hyper	sig	chr14_104422724
chr15	73752734	73752734	+	2.273E-22	6.76E-21	0.228235	hyper	sig	chr15_73752734
chr13	1.11E+08	111320566	+	2.275E-22	6.7659E-21	-0.29669	hypo	sig	chr13_111320566
chr18	10589065	10589065	+	2.275E-22	6.7661E-21	-0.28866	hypo	sig	chr18_10589065
chr13	1.13E+08	113454167	+	2.276E-22	6.7673E-21	0.208594	hyper	sig	chr13_113454167
chr4	6233917	6233917	+	2.277E-22	6.7707E-21	-0.38701	hypo	sig	chr4_6233917
chr11	65833336	65833336	+	2.277E-22	6.7711E-21	0.332162	hyper	sig	chr11_65833336
chr10	1.01E+08	101227726	+	2.28E-22	6.7776E-21	0.288101	hyper	sig	chr10_101227726
chr2	63055673	63055673	+	2.28E-22	6.7776E-21	0.307745	hyper	sig	chr2_63055673
chr5	59893599	59893599	+	2.28E-22	6.7788E-21	0.31478	hyper	sig	chr5_59893599
chr1	1165062	1165062	+	2.28E-22	6.7789E-21	-0.27103	hypo	sig	chr1_1165062
chr4	6752013	6752013	+	2.282E-22	6.7835E-21	-0.31406	hypo	sig	chr4_6752013
chr2	1.82E+08	181684440	+	2.283E-22	6.7868E-21	0.356335	hyper	sig	chr2_181684440
chr6	27680538	27680538	+	2.284E-22	6.7885E-21	0.321718	hyper	sig	chr6_27680538
chr19	50188206	50188206	+	2.286E-22	6.794E-21	-0.318	hypo	sig	chr19_50188206
chr6	1.61E+08	160679387	+	2.292E-22	6.8128E-21	0.349645	hyper	sig	chr6_160679387
chr20	21511103	21511103	+	2.293E-22	6.8142E-21	0.307676	hyper	sig	chr20_21511103
chr8	1.42E+08	142173082	+	2.296E-22	6.825E-21	-0.29791	hypo	sig	chr8_142173082
chr12	54047745	54047745	+	2.301E-22	6.8372E-21	0.323781	hyper	sig	chr12_54047745
chr2	2.42E+08	242012144	+	2.302E-22	6.8408E-21	-0.2663	hypo	sig	chr2_242012144
chr21	26846277	26846277	+	2.303E-22	6.8437E-21	0.234652	hyper	sig	chr21_26846277
chr20	21703752	21703752	+	2.307E-22	6.8561E-21	0.417499	hyper	sig	chr20_21703752
chr2	2.35E+08	234974973	+	2.309E-22	6.8597E-21	0.243467	hyper	sig	chr2_234974973
chr17	15957637	15957637	+	2.309E-22	6.861E-21	-0.25367	hypo	sig	chr17_15957637
chr1	1.19E+08	118979305	+	2.312E-22	6.8702E-21	0.316002	hyper	sig	chr1_118979305
chr11	8169068	8169068	+	2.314E-22	6.8742E-21	0.238675	hyper	sig	chr11_8169068
chr2	81195256	81195256	+	2.315E-22	6.8785E-21	-0.32509	hypo	sig	chr2_81195256
chr4	1.9E+08	190018072	+	2.317E-22	6.8823E-21	0.257295	hyper	sig	chr4_190018072
chr19	12513662	12513662	+	2.322E-22	6.8981E-21	0.327908	hyper	sig	chr19_12513662
chr6	1.7E+08	170152707	+	2.324E-22	6.9021E-21	-0.34262	hypo	sig	chr6_170152707
chr13	1.07E+08	106530732	+	2.325E-22	6.9063E-21	-0.29521	hypo	sig	chr13_106530732
chr20	63084545	63084545	+	2.325E-22	6.9063E-21	-0.29204	hypo	sig	chr20_63084545
chr7	561628	561628	+	2.325E-22	6.9067E-21	0.288982	hyper	sig	chr7_561628
chr7	945248	945248	+	2.325E-22	6.9069E-21	-0.34	hypo	sig	chr7_945248
chr10	1.32E+08	132497445	+	2.33E-22	6.9214E-21	-0.29179	hypo	sig	chr10_132497445
chr6	32011056	32011056	+	2.332E-22	6.9257E-21	-0.36606	hypo	sig	chr6_32011056
chr11	268923	268923	+	2.335E-22	6.9334E-21	-0.2006	hypo	sig	chr11_268923
chr6	5999071	5999071	+	2.335E-22	6.9341E-21	0.330669	hyper	sig	chr6_5999071
chr16	86516332	86516332	+	2.335E-22	6.9347E-21	0.270143	hyper	sig	chr16_86516332
chr10	27745259	27745259	+	2.336E-22	6.9364E-21	0.346333	hyper	sig	chr10_27745259
chr12	1.31E+08	131292971	+	2.337E-22	6.9409E-21	-0.35134	hypo	sig	chr12_131292971
chr4	7425586	7425586	+	2.34E-22	6.9469E-21	-0.30483	hypo	sig	chr4_7425586
chr16	86497215	86497215	+	2.341E-22	6.9513E-21	0.319706	hyper	sig	chr16_86497215
chr6	1.6E+08	159953272	+	2.343E-22	6.957E-21	-0.25384	hypo	sig	chr6_159953272
chr1	12595270	12595270	+	2.344E-22	6.9589E-21	0.249699	hyper	sig	chr1_12595270
chr11	20596428	20596428	+	2.345E-22	6.9633E-21	0.259289	hyper	sig	chr11_20596428
chr17	81153508	81153508	+	2.346E-22	6.9633E-21	-0.3881	hypo	sig	chr17_81153508
chr20	21509531	21509531	+	2.348E-22	6.9691E-21	0.342921	hyper	sig	chr20_21509531
chr16	2183972	2183972	+	2.348E-22	6.9696E-21	-0.32692	hypo	sig	chr16_2183972
chr5	88672726	88672726	+	2.351E-22	6.978E-21	0.28839	hyper	sig	chr5_88672726
chr7	1.21E+08	121328865	+	2.354E-22	6.9887E-21	0.337337	hyper	sig	chr7_121328865
chr16	55656535	55656535	+	2.356E-22	6.9922E-21	0.275507	hyper	sig	chr16_55656535

chr6	1.27E+08	127119915	+	2.358E-22	6.9995E-21	0.219854	hyper	sig	chr6_127119915
chr17	7740480	7740480	+	2.359E-22	7.0009E-21	-0.33307	hypo	sig	chr17_7740480
chr4	7965712	7965712	+	2.359E-22	7.002E-21	-0.25782	hypo	sig	chr4_7965712
chr3	1.38E+08	137764854	+	2.36E-22	7.0036E-21	0.258159	hyper	sig	chr3_137764854
chr11	32429099	32429099	+	2.36E-22	7.0042E-21	0.268698	hyper	sig	chr11_32429099
chr2	1.2E+08	119524634	+	2.37E-22	7.0316E-21	0.336031	hyper	sig	chr2_119524634
chr7	1.51E+08	151408957	+	2.37E-22	7.0316E-21	-0.23104	hypo	sig	chr7_151408957
chr5	1.73E+08	172748632	+	2.37E-22	7.0323E-21	0.403618	hyper	sig	chr5_172748632
chr7	1.55E+08	155372805	+	2.372E-22	7.0377E-21	0.241897	hyper	sig	chr7_155372805
chr1	34783638	34783638	+	2.372E-22	7.0388E-21	-0.32228	hypo	sig	chr1_34783638
chr19	53035434	53035434	+	2.373E-22	7.039E-21	-0.33033	hypo	sig	chr19_53035434
chr2	2.22E+08	222297052	+	2.378E-22	7.0553E-21	0.261244	hyper	sig	chr2_222297052
chr12	57739707	57739707	+	2.379E-22	7.0566E-21	0.288434	hyper	sig	chr12_57739707
chr8	1371341	1371341	+	2.382E-22	7.0655E-21	-0.29494	hypo	sig	chr8_1371341
chr2	1.31E+08	131034454	+	2.386E-22	7.0787E-21	0.225224	hyper	sig	chr2_131034454
chr2	10983483	10983483	+	2.387E-22	7.0818E-21	0.329122	hyper	sig	chr2_10983483
chr11	2140160	2140160	+	2.391E-22	7.0916E-21	0.273674	hyper	sig	chr11_2140160
chr10	1.29E+08	129033120	+	2.394E-22	7.1007E-21	0.249244	hyper	sig	chr10_129033120
chr20	38674351	38674351	+	2.395E-22	7.1032E-21	0.344698	hyper	sig	chr20_38674351
chr8	1.43E+08	142917752	+	2.396E-22	7.1052E-21	-0.28642	hypo	sig	chr8_142917752
chr19	44448384	44448384	+	2.396E-22	7.1067E-21	0.273333	hyper	sig	chr19_44448384
chr2	5693076	5693076	+	2.397E-22	7.1075E-21	0.372585	hyper	sig	chr2_5693076
chr8	11394045	11394045	+	2.397E-22	7.1096E-21	-0.25606	hypo	sig	chr8_11394045
chr9	2623628	2623628	+	2.402E-22	7.1224E-21	0.315619	hyper	sig	chr9_2623628
chr17	63968204	63968204	+	2.402E-22	7.1228E-21	-0.25268	hypo	sig	chr17_63968204
chr1	1.51E+08	151156732	+	2.402E-22	7.1233E-21	-0.30729	hypo	sig	chr1_151156732
chr6	29943562	29943562	+	2.403E-22	7.1244E-21	-0.2997	hypo	sig	chr6_29943562
chr4	1.74E+08	173530102	+	2.403E-22	7.1248E-21	0.207026	hyper	sig	chr4_173530102
chr19	5245980	5245980	+	2.407E-22	7.1366E-21	-0.34712	hypo	sig	chr19_5245980
chr3	8981923	8981923	+	2.412E-22	7.1526E-21	-0.26285	hypo	sig	chr3_8981923
chr17	78132595	78132595	+	2.417E-22	7.1667E-21	-0.25799	hypo	sig	chr17_78132595
chr19	58059195	58059195	+	2.418E-22	7.1671E-21	0.382121	hyper	sig	chr19_58059195
chr19	56507702	56507702	+	2.42E-22	7.1742E-21	0.325115	hyper	sig	chr19_56507702
chr3	1.22E+08	122184785	+	2.42E-22	7.1743E-21	0.316956	hyper	sig	chr3_122184785
chr1	1.44E+08	143661652	+	2.421E-22	7.1767E-21	0.359841	hyper	sig	chr1_143661652
chr2	44932587	44932587	+	2.428E-22	7.1968E-21	0.347924	hyper	sig	chr2_44932587
chr10	86265498	86265498	+	2.434E-22	7.2139E-21	-0.269	hypo	sig	chr10_86265498
chr5	1967142	1967142	+	2.434E-22	7.2139E-21	-0.26505	hypo	sig	chr5_1967142
chr11	24496567	24496567	+	2.438E-22	7.2263E-21	0.22084	hyper	sig	chr11_24496567
chr2	1282444	1282444	+	2.443E-22	7.239E-21	0.25628	hyper	sig	chr2_1282444
chr19	36245735	36245735	+	2.448E-22	7.2533E-21	0.305136	hyper	sig	chr19_36245735
chr17	78232201	78232201	+	2.452E-22	7.2666E-21	0.30439	hyper	sig	chr17_78232201
chr2	2564194	2564194	+	2.454E-22	7.2729E-21	-0.30212	hypo	sig	chr2_2564194
chr17	80456694	80456694	+	2.456E-22	7.2779E-21	0.263715	hyper	sig	chr17_80456694
chr3	1.35E+08	134651145	+	2.457E-22	7.2799E-21	0.250479	hyper	sig	chr3_134651145
chr4	1.33E+08	133151776	+	2.457E-22	7.2814E-21	0.283234	hyper	sig	chr4_133151776
chr1	1.47E+08	147079320	+	2.458E-22	7.2831E-21	0.366928	hyper	sig	chr1_147079320
chr14	94773134	94773134	+	2.459E-22	7.2866E-21	0.282204	hyper	sig	chr14_94773134
chr1	37034914	37034914	+	2.46E-22	7.288E-21	0.207585	hyper	sig	chr1_37034914
chr12	59736673	59736673	+	2.463E-22	7.2975E-21	-0.2943	hypo	sig	chr12_59736673
chr1	8875169	8875169	+	2.464E-22	7.2986E-21	-0.26536	hypo	sig	chr1_8875169
chr2	1.19E+08	118834086	+	2.465E-22	7.3009E-21	0.378133	hyper	sig	chr2_118834086
chr14	56811462	56811462	+	2.467E-22	7.3065E-21	0.306384	hyper	sig	chr14_56811462
chr16	86338314	86338314	+	2.467E-22	7.3067E-21	-0.32208	hypo	sig	chr16_86338314
chr8	1.43E+08	142563532	+	2.468E-22	7.3115E-21	-0.26329	hypo	sig	chr8_142563532
chr16	661274	661274	+	2.469E-22	7.3116E-21	0.368164	hyper	sig	chr16_661274

chr17	41583600	41583600	+	2.47E-22	7.3152E-21	-0.32078	hypo	sig	chr17_41583600
chr12	1.31E+08	131028796	+	2.47E-22	7.3152E-21	-0.31827	hypo	sig	chr12_131028796
chr5	1973994	1973994	+	2.47E-22	7.3161E-21	-0.30235	hypo	sig	chr5_1973994
chr16	1112717	1112717	+	2.472E-22	7.3216E-21	-0.30695	hypo	sig	chr16_1112717
chr3	42265360	42265360	+	2.474E-22	7.3276E-21	0.311328	hyper	sig	chr3_42265360
chr15	89360441	89360441	+	2.476E-22	7.3323E-21	0.338258	hyper	sig	chr15_89360441
chr7	55199569	55199569	+	2.476E-22	7.3326E-21	0.278669	hyper	sig	chr7_55199569
chr2	2.22E+08	222300135	+	2.477E-22	7.3337E-21	0.219789	hyper	sig	chr2_222300135
chr6	1.66E+08	166005434	+	2.479E-22	7.3409E-21	0.288091	hyper	sig	chr6_166005434
chr8	66962061	66962061	+	2.484E-22	7.3548E-21	0.201545	hyper	sig	chr8_66962061
chr13	78607239	78607239	+	2.485E-22	7.3579E-21	0.350281	hyper	sig	chr13_78607239
chr10	27745165	27745165	+	2.487E-22	7.3631E-21	0.324189	hyper	sig	chr10_27745165
chr5	1.29E+08	128536366	+	2.488E-22	7.3658E-21	0.205804	hyper	sig	chr5_128536366
chr3	1.98E+08	197509851	+	2.49E-22	7.37E-21	0.425953	hyper	sig	chr3_197509851
chr16	3295158	3295158	+	2.496E-22	7.389E-21	0.309156	hyper	sig	chr16_3295158
chr14	77026518	77026518	+	2.497E-22	7.3908E-21	0.243863	hyper	sig	chr14_77026518
chr2	38075451	38075451	+	2.499E-22	7.3976E-21	0.393464	hyper	sig	chr2_38075451
chr16	89949651	89949651	+	2.5E-22	7.3993E-21	0.324126	hyper	sig	chr16_89949651
chr17	3280188	3280188	+	2.501E-22	7.4028E-21	-0.29912	hypo	sig	chr17_3280188
chr1	1.55E+08	155321462	+	2.502E-22	7.4048E-21	0.32164	hyper	sig	chr1_155321462
chr11	79439012	79439012	+	2.504E-22	7.4098E-21	0.232198	hyper	sig	chr11_79439012
chr3	32817885	32817885	+	2.505E-22	7.4124E-21	0.256904	hyper	sig	chr3_32817885
chr3	48661940	48661940	+	2.506E-22	7.4172E-21	0.252598	hyper	sig	chr3_48661940
chr19	38292194	38292194	+	2.507E-22	7.4197E-21	0.247967	hyper	sig	chr19_38292194
chr16	88297321	88297321	+	2.509E-22	7.4232E-21	-0.30022	hypo	sig	chr16_88297321
chr16	67982428	67982428	+	2.511E-22	7.429E-21	-0.25943	hypo	sig	chr16_67982428
chr7	10973244	10973244	+	2.512E-22	7.4336E-21	-0.30833	hypo	sig	chr7_10973244
chr11	12008586	12008586	+	2.513E-22	7.4347E-21	0.247914	hyper	sig	chr11_12008586
chr5	1.41E+08	141421915	+	2.514E-22	7.438E-21	0.321132	hyper	sig	chr5_141421915
chr16	56194533	56194533	+	2.516E-22	7.4428E-21	0.20878	hyper	sig	chr16_56194533
chr14	26598445	26598445	+	2.518E-22	7.4481E-21	0.330572	hyper	sig	chr14_26598445
chr20	35967143	35967143	+	2.518E-22	7.4502E-21	-0.26246	hypo	sig	chr20_35967143
chr12	1.32E+08	132275500	+	2.52E-22	7.4547E-21	-0.31986	hypo	sig	chr12_132275500
chr6	1.61E+08	161140021	+	2.521E-22	7.4582E-21	-0.26262	hypo	sig	chr6_161140021
chr2	1.92E+08	192194758	+	2.522E-22	7.4589E-21	0.32265	hyper	sig	chr2_192194758
chr7	1235899	1235899	+	2.522E-22	7.46E-21	0.390937	hyper	sig	chr7_1235899
chr19	57600308	57600308	+	2.522E-22	7.4602E-21	0.286129	hyper	sig	chr19_57600308
chr16	21531154	21531154	+	2.524E-22	7.4637E-21	-0.25684	hypo	sig	chr16_21531154
chr2	2.16E+08	215619355	+	2.525E-22	7.4687E-21	-0.30793	hypo	sig	chr2_215619355
chr2	8027926	8027926	+	2.527E-22	7.4745E-21	-0.29225	hypo	sig	chr2_8027926
chr8	1.04E+08	104467062	+	2.528E-22	7.4763E-21	0.329378	hyper	sig	chr8_104467062
chr8	48735170	48735170	+	2.529E-22	7.4772E-21	0.28353	hyper	sig	chr8_48735170
chr17	48552429	48552429	+	2.53E-22	7.4822E-21	0.357643	hyper	sig	chr17_48552429
chr7	1027775	1027775	+	2.53E-22	7.4822E-21	0.274173	hyper	sig	chr7_1027775
chr16	54936439	54936439	+	2.531E-22	7.4848E-21	0.208941	hyper	sig	chr16_54936439
chr12	1.3E+08	130042430	+	2.536E-22	7.4994E-21	0.264018	hyper	sig	chr12_130042430
chr20	64106194	64106194	+	2.537E-22	7.5E-21	-0.33839	hypo	sig	chr20_64106194
chr16	1011920	1011920	+	2.537E-22	7.5018E-21	-0.31261	hypo	sig	chr16_1011920
chr12	52116199	52116199	+	2.539E-22	7.5058E-21	-0.26568	hypo	sig	chr12_52116199
chr1	18798785	18798785	+	2.539E-22	7.506E-21	-0.29398	hypo	sig	chr1_18798785
chr6	80070559	80070559	+	2.539E-22	7.506E-21	-0.34344	hypo	sig	chr6_80070559
chr21	25640008	25640008	+	2.539E-22	7.5063E-21	0.225777	hyper	sig	chr21_25640008
chr1	15756670	15756670	+	2.545E-22	7.5212E-21	-0.25865	hypo	sig	chr1_15756670
chr6	29828593	29828593	+	2.545E-22	7.5212E-21	0.242694	hyper	sig	chr6_29828593
chr5	1.76E+08	175683638	+	2.545E-22	7.5222E-21	-0.21826	hypo	sig	chr5_175683638
chr6	1.68E+08	168101296	+	2.546E-22	7.5256E-21	0.315504	hyper	sig	chr6_168101296

chr3	1.47E+08	147409779	+	2.548E-22	7.5296E-21	0.315	hyper	sig	chr3_147409779
chr19	19121147	19121147	+	2.549E-22	7.534E-21	0.243114	hyper	sig	chr19_19121147
chr11	1.29E+08	128824523	+	2.55E-22	7.5356E-21	0.402051	hyper	sig	chr11_128824523
chr6	1E+08	100449508	+	2.551E-22	7.539E-21	0.336863	hyper	sig	chr6_100449508
chr7	1693479	1693479	+	2.553E-22	7.5449E-21	-0.34115	hypo	sig	chr7_1693479
chr14	1.04E+08	103699073	+	2.555E-22	7.5495E-21	-0.2723	hypo	sig	chr14_103699073
chr1	10672855	10672855	+	2.557E-22	7.5543E-21	0.251312	hyper	sig	chr1_10672855
chr19	48416212	48416212	+	2.557E-22	7.5549E-21	0.292941	hyper	sig	chr19_48416212
chr1	1.19E+08	119000651	+	2.559E-22	7.5601E-21	0.214834	hyper	sig	chr1_119000651
chr10	18260755	18260755	+	2.56E-22	7.5644E-21	0.258962	hyper	sig	chr10_18260755
chr19	53255036	53255036	+	2.563E-22	7.5706E-21	0.265892	hyper	sig	chr19_53255036
chr6	14024402	14024402	+	2.564E-22	7.5745E-21	-0.32262	hypo	sig	chr6_14024402
chr7	35255548	35255548	+	2.566E-22	7.58E-21	0.408846	hyper	sig	chr7_35255548
chr13	1.12E+08	112073888	+	2.566E-22	7.5814E-21	0.274435	hyper	sig	chr13_112073888
chr2	1.71E+08	170820415	+	2.569E-22	7.5897E-21	0.298743	hyper	sig	chr2_170820415
chr5	79690061	79690061	+	2.57E-22	7.5917E-21	0.382067	hyper	sig	chr5_79690061
chr7	1.08E+08	108455468	+	2.572E-22	7.5972E-21	0.274	hyper	sig	chr7_108455468
chr1	2074182	2074182	+	2.574E-22	7.6035E-21	0.304242	hyper	sig	chr1_2074182
chr9	1.37E+08	136658758	+	2.574E-22	7.6036E-21	-0.4381	hypo	sig	chr9_136658758
chr16	85622128	85622128	+	2.576E-22	7.6065E-21	-0.33674	hypo	sig	chr16_85622128
chr1	47434004	47434004	+	2.579E-22	7.6147E-21	0.301513	hyper	sig	chr1_47434004
chr13	27383759	27383759	+	2.58E-22	7.618E-21	-0.31017	hypo	sig	chr13_27383759
chr17	50638940	50638940	+	2.581E-22	7.6214E-21	-0.22352	hypo	sig	chr17_50638940
chr10	1.33E+08	132844176	+	2.582E-22	7.6252E-21	-0.25087	hypo	sig	chr10_132844176
chr1	1.13E+08	112854694	+	2.584E-22	7.6298E-21	0.290708	hyper	sig	chr1_112854694
chr16	89817720	89817720	+	2.587E-22	7.6374E-21	-0.26212	hypo	sig	chr16_89817720
chr10	99329280	99329280	+	2.59E-22	7.6456E-21	0.286551	hyper	sig	chr10_99329280
chr6	1.69E+08	168999617	+	2.592E-22	7.6516E-21	-0.31524	hypo	sig	chr6_168999617
chr6	75205030	75205030	+	2.592E-22	7.6532E-21	0.20475	hyper	sig	chr6_75205030
chr6	50845963	50845963	+	2.593E-22	7.6559E-21	0.392281	hyper	sig	chr6_50845963
chr16	86513700	86513700	+	2.599E-22	7.6712E-21	0.328825	hyper	sig	chr16_86513700
chr19	35757062	35757062	+	2.599E-22	7.6732E-21	0.25197	hyper	sig	chr19_35757062
chr3	1.71E+08	170585267	+	2.604E-22	7.6855E-21	0.37343	hyper	sig	chr3_170585267
chr19	15723121	15723121	+	2.609E-22	7.7019E-21	0.312312	hyper	sig	chr19_15723121
chr6	1.47E+08	146543252	+	2.612E-22	7.7088E-21	-0.28234	hypo	sig	chr6_146543252
chr18	21243299	21243299	+	2.612E-22	7.7099E-21	0.242912	hyper	sig	chr18_21243299
chr12	85279525	85279525	+	2.613E-22	7.7115E-21	0.311415	hyper	sig	chr12_85279525
chr3	13041251	13041251	+	2.615E-22	7.716E-21	-0.30651	hypo	sig	chr3_13041251
chr2	1.06E+08	106056238	+	2.615E-22	7.717E-21	-0.33626	hypo	sig	chr2_106056238
chr6	10398465	10398465	+	2.616E-22	7.7197E-21	0.329145	hyper	sig	chr6_10398465
chr11	20208370	20208370	+	2.623E-22	7.7405E-21	0.320694	hyper	sig	chr11_20208370
chr9	1.09E+08	109316317	+	2.624E-22	7.7422E-21	-0.2663	hypo	sig	chr9_109316317
chr14	60652706	60652706	+	2.626E-22	7.7478E-21	0.306515	hyper	sig	chr14_60652706
chr3	1.13E+08	113441581	+	2.629E-22	7.758E-21	0.301316	hyper	sig	chr3_113441581
chr10	1409453	1409453	+	2.63E-22	7.7607E-21	-0.31899	hypo	sig	chr10_1409453
chr12	40692971	40692971	+	2.631E-22	7.7631E-21	0.268062	hyper	sig	chr12_40692971
chr18	59696516	59696516	+	2.632E-22	7.7637E-21	0.249684	hyper	sig	chr18_59696516
chr1	2.26E+08	225898136	+	2.635E-22	7.7741E-21	-0.25692	hypo	sig	chr1_225898136
chr6	5994902	5994902	+	2.636E-22	7.7759E-21	0.337157	hyper	sig	chr6_5994902
chr2	91593741	91593741	+	2.638E-22	7.7824E-21	-0.32642	hypo	sig	chr2_91593741
chr3	11568814	11568814	+	2.639E-22	7.7835E-21	0.342785	hyper	sig	chr3_11568814
chr16	1122032	1122032	+	2.64E-22	7.7874E-21	-0.28082	hypo	sig	chr16_1122032
chr21	45303241	45303241	+	2.642E-22	7.7921E-21	-0.307	hypo	sig	chr21_45303241
chr18	59696488	59696488	+	2.643E-22	7.7941E-21	0.241129	hyper	sig	chr18_59696488
chr20	63006262	63006262	+	2.645E-22	7.8012E-21	0.233918	hyper	sig	chr20_63006262
chr4	7985770	7985770	+	2.646E-22	7.803E-21	-0.34266	hypo	sig	chr4_7985770

chr1	1.44E+08	143651913	+	2.65E-22	7.8133E-21	0.288737	hyper	sig	chr1_143651913
chr16	88971904	88971904	+	2.65E-22	7.8133E-21	-0.35445	hypo	sig	chr16_88971904
chr4	1.25E+08	125316218	+	2.65E-22	7.8133E-21	0.269837	hyper	sig	chr4_125316218
chr9	1.37E+08	136994669	+	2.65E-22	7.8133E-21	0.308239	hyper	sig	chr9_136994669
chr20	21515534	21515534	+	2.655E-22	7.8285E-21	0.261596	hyper	sig	chr20_21515534
chr3	1.47E+08	147391129	+	2.659E-22	7.8404E-21	0.291563	hyper	sig	chr3_147391129
chr6	1E+08	100467891	+	2.663E-22	7.8497E-21	0.315548	hyper	sig	chr6_100467891
chr11	1748907	1748907	+	2.667E-22	7.8624E-21	0.292822	hyper	sig	chr11_1748907
chr14	64540794	64540794	+	2.668E-22	7.8646E-21	0.230526	hyper	sig	chr14_64540794
chr8	85438231	85438231	+	2.669E-22	7.8667E-21	0.312613	hyper	sig	chr8_85438231
chr7	1.58E+08	158239829	+	2.669E-22	7.8676E-21	-0.28972	hypo	sig	chr7_158239829
chr9	19789383	19789383	+	2.67E-22	7.8713E-21	0.337358	hyper	sig	chr9_19789383
chr11	31804203	31804203	+	2.671E-22	7.8715E-21	0.288069	hyper	sig	chr11_31804203
chr17	44967350	44967350	+	2.672E-22	7.8763E-21	0.297955	hyper	sig	chr17_44967350
chr7	45921671	45921671	+	2.673E-22	7.8795E-21	0.306197	hyper	sig	chr7_45921671
chr14	1.03E+08	103354993	+	2.674E-22	7.882E-21	-0.33465	hypo	sig	chr14_103354993
chr10	35608040	35608040	+	2.676E-22	7.8862E-21	0.312568	hyper	sig	chr10_35608040
chr15	52788326	52788326	+	2.678E-22	7.8918E-21	0.364149	hyper	sig	chr15_52788326
chr15	89783951	89783951	+	2.681E-22	7.9003E-21	-0.33968	hypo	sig	chr15_89783951
chr5	1.35E+08	135039102	+	2.681E-22	7.9011E-21	0.387151	hyper	sig	chr5_135039102
chr7	27158564	27158564	+	2.684E-22	7.9083E-21	-0.29123	hypo	sig	chr7_27158564
chr12	54047218	54047218	+	2.688E-22	7.9186E-21	0.344367	hyper	sig	chr12_54047218
chr9	1.31E+08	130839943	+	2.688E-22	7.9186E-21	0.287846	hyper	sig	chr9_130839943
chr19	47780011	47780011	+	2.688E-22	7.921E-21	0.303581	hyper	sig	chr19_47780011
chr11	8169166	8169166	+	2.692E-22	7.9309E-21	0.25142	hyper	sig	chr11_8169166
chr16	11351538	11351538	+	2.694E-22	7.9358E-21	0.264719	hyper	sig	chr16_11351538
chr8	23710032	23710032	+	2.701E-22	7.9557E-21	0.294212	hyper	sig	chr8_23710032
chr7	1.21E+08	120989584	+	2.701E-22	7.9559E-21	0.279707	hyper	sig	chr7_120989584
chr19	5037208	5037208	+	2.701E-22	7.9577E-21	0.337952	hyper	sig	chr19_5037208
chr16	62035911	62035911	+	2.704E-22	7.9665E-21	0.330621	hyper	sig	chr16_62035911
chr3	1.7E+08	169822631	+	2.71E-22	7.9814E-21	-0.44268	hypo	sig	chr3_169822631
chr1	2855698	2855698	+	2.711E-22	7.9837E-21	0.275608	hyper	sig	chr1_2855698
chr14	1.04E+08	103520004	+	2.715E-22	7.9953E-21	0.264131	hyper	sig	chr14_103520004
chr17	78852948	78852948	+	2.716E-22	8.0001E-21	-0.26084	hypo	sig	chr17_78852948
chr6	30154767	30154767	+	2.718E-22	8.0043E-21	-0.25768	hypo	sig	chr6_30154767
chr16	51153642	51153642	+	2.718E-22	8.005E-21	0.325123	hyper	sig	chr16_51153642
chr3	1.4E+08	139540027	+	2.719E-22	8.0074E-21	0.257465	hyper	sig	chr3_139540027
chr13	1.12E+08	112036269	+	2.726E-22	8.0269E-21	-0.28761	hypo	sig	chr13_112036269
chr7	35186838	35186838	+	2.73E-22	8.0391E-21	0.246645	hyper	sig	chr7_35186838
chr2	1.19E+08	119156933	+	2.731E-22	8.0421E-21	0.357534	hyper	sig	chr2_119156933
chr19	9362947	9362947	+	2.732E-22	8.0426E-21	0.297843	hyper	sig	chr19_9362947
chr18	9707937	9707937	+	2.733E-22	8.0462E-21	0.24173	hyper	sig	chr18_9707937
chr12	89349448	89349448	+	2.734E-22	8.0489E-21	-0.32893	hypo	sig	chr12_89349448
chr11	8169164	8169164	+	2.738E-22	8.0616E-21	0.259939	hyper	sig	chr11_8169164
chr3	27730414	27730414	+	2.738E-22	8.0616E-21	0.330466	hyper	sig	chr3_27730414
chr13	1.12E+08	112069231	+	2.74E-22	8.065E-21	0.282415	hyper	sig	chr13_112069231
chr9	98249374	98249374	+	2.741E-22	8.0688E-21	-0.38081	hypo	sig	chr9_98249374
chr14	85531409	85531409	+	2.742E-22	8.0706E-21	0.304997	hyper	sig	chr14_85531409
chr16	86516078	86516078	+	2.745E-22	8.078E-21	0.325667	hyper	sig	chr16_86516078
chr1	12595254	12595254	+	2.747E-22	8.0849E-21	0.246799	hyper	sig	chr1_12595254
chr16	165444	165444	+	2.752E-22	8.0982E-21	0.251972	hyper	sig	chr16_165444
chr1	2073985	2073985	+	2.755E-22	8.1066E-21	0.379977	hyper	sig	chr1_2073985
chr12	1.03E+08	102961565	+	2.755E-22	8.1081E-21	0.263009	hyper	sig	chr12_102961565
chr14	24311443	24311443	+	2.756E-22	8.1098E-21	0.274423	hyper	sig	chr14_24311443
chr19	11674089	11674089	+	2.758E-22	8.1157E-21	0.340544	hyper	sig	chr19_11674089
chr6	1.69E+08	168909411	+	2.76E-22	8.1219E-21	-0.34879	hypo	sig	chr6_168909411

chr3	32819854	32819854	+	2.764E-22	8.1333E-21	0.288166	hyper	sig	chr3_32819854
chr17	47867095	47867095	+	2.767E-22	8.1426E-21	0.296127	hyper	sig	chr17_47867095
chr6	83709590	83709590	+	2.77E-22	8.1513E-21	0.290376	hyper	sig	chr6_83709590
chr17	20550819	20550819	+	2.771E-22	8.1521E-21	-0.28325	hypo	sig	chr17_20550819
chr1	40132722	40132722	+	2.773E-22	8.1581E-21	0.253438	hyper	sig	chr1_40132722
chr7	4127944	4127944	+	2.775E-22	8.1648E-21	-0.33538	hypo	sig	chr7_4127944
chr3	1.25E+08	125142062	+	2.781E-22	8.1822E-21	0.263625	hyper	sig	chr3_125142062
chr2	1.09E+08	109129832	+	2.781E-22	8.1824E-21	0.279159	hyper	sig	chr2_109129832
chr10	62818384	62818384	+	2.783E-22	8.1877E-21	0.249578	hyper	sig	chr10_62818384
chr6	30163639	30163639	+	2.786E-22	8.195E-21	-0.38191	hypo	sig	chr6_30163639
chr7	93891034	93891034	+	2.789E-22	8.2042E-21	0.412188	hyper	sig	chr7_93891034
chr14	41607817	41607817	+	2.789E-22	8.2047E-21	0.242264	hyper	sig	chr14_41607817
chr7	55018453	55018453	+	2.791E-22	8.2079E-21	0.240541	hyper	sig	chr7_55018453
chr11	1.11E+08	110712997	+	2.792E-22	8.2097E-21	0.306173	hyper	sig	chr11_110712997
chr7	45156902	45156902	+	2.794E-22	8.2167E-21	-0.28682	hypo	sig	chr7_45156902
chr9	1.22E+08	121598845	+	2.794E-22	8.2171E-21	0.312605	hyper	sig	chr9_121598845
chr1	3579116	3579116	+	2.794E-22	8.2176E-21	-0.293	hypo	sig	chr1_3579116
chr16	839231	839231	+	2.795E-22	8.2176E-21	-0.26284	hypo	sig	chr16_839231
chr1	2.28E+08	228416008	+	2.797E-22	8.2243E-21	0.33478	hyper	sig	chr1_228416008
chr1	50417238	50417238	+	2.797E-22	8.225E-21	0.259163	hyper	sig	chr1_50417238
chr9	1.27E+08	126614990	+	2.798E-22	8.2263E-21	0.379915	hyper	sig	chr9_126614990
chr4	44448370	44448370	+	2.799E-22	8.2302E-21	0.286348	hyper	sig	chr4_44448370
chr20	17226065	17226065	+	2.805E-22	8.2473E-21	0.320372	hyper	sig	chr20_17226065
chr11	64972277	64972277	+	2.807E-22	8.2519E-21	0.313828	hyper	sig	chr11_64972277
chr5	58582507	58582507	+	2.814E-22	8.2727E-21	0.214182	hyper	sig	chr5_58582507
chr1	2911221	2911221	+	2.815E-22	8.2735E-21	-0.27799	hypo	sig	chr1_2911221
chr22	37805681	37805681	+	2.815E-22	8.2735E-21	0.21806	hyper	sig	chr22_37805681
chr11	1729481	1729481	+	2.815E-22	8.2736E-21	-0.37825	hypo	sig	chr11_1729481
chr1	9875576	9875576	+	2.815E-22	8.2751E-21	0.266998	hyper	sig	chr1_9875576
chr3	1.3E+08	129975374	+	2.818E-22	8.2825E-21	0.387778	hyper	sig	chr3_129975374
chr1	2.29E+08	228650300	+	2.819E-22	8.2867E-21	0.329832	hyper	sig	chr1_228650300
chr19	43798527	43798527	+	2.82E-22	8.2873E-21	-0.28912	hypo	sig	chr19_43798527
chr2	44945126	44945126	+	2.823E-22	8.2978E-21	0.31984	hyper	sig	chr2_44945126
chr7	1.58E+08	158474868	+	2.826E-22	8.3053E-21	-0.3211	hypo	sig	chr7_158474868
chr5	1.77E+08	177328228	+	2.828E-22	8.311E-21	-0.31089	hypo	sig	chr5_177328228
chr1	21325825	21325825	+	2.83E-22	8.3165E-21	0.224911	hyper	sig	chr1_21325825
chr13	1.13E+08	112721534	+	2.832E-22	8.3209E-21	-0.32086	hypo	sig	chr13_112721534
chr12	1.3E+08	130042371	+	2.836E-22	8.3336E-21	0.263706	hyper	sig	chr12_130042371
chr9	1.13E+08	112945437	+	2.837E-22	8.3353E-21	-0.29867	hypo	sig	chr9_112945437
chr4	1.54E+08	153789419	+	2.847E-22	8.364E-21	0.217289	hyper	sig	chr4_153789419
chr6	33194794	33194794	+	2.848E-22	8.3666E-21	0.290406	hyper	sig	chr6_33194794
chr5	1.77E+08	176843951	+	2.854E-22	8.3847E-21	0.331282	hyper	sig	chr5_176843951
chr7	1.55E+08	155070731	+	2.861E-22	8.4054E-21	0.277754	hyper	sig	chr7_155070731
chr8	54457651	54457651	+	2.865E-22	8.4162E-21	0.323732	hyper	sig	chr8_54457651
chr13	1.13E+08	112997831	+	2.866E-22	8.4179E-21	-0.31918	hypo	sig	chr13_112997831
chr8	51809625	51809625	+	2.868E-22	8.4238E-21	0.291565	hyper	sig	chr8_51809625
chr8	53877888	53877888	+	2.872E-22	8.4365E-21	0.231231	hyper	sig	chr8_53877888
chr6	1.08E+08	108171205	+	2.873E-22	8.4385E-21	0.368533	hyper	sig	chr6_108171205
chr22	49671284	49671284	+	2.874E-22	8.4422E-21	0.326613	hyper	sig	chr22_49671284
chr12	66822	66822	+	2.876E-22	8.4467E-21	0.263121	hyper	sig	chr12_66822
chr11	32433373	32433373	+	2.877E-22	8.4483E-21	0.268774	hyper	sig	chr11_32433373
chr13	42574197	42574197	+	2.879E-22	8.4548E-21	0.316712	hyper	sig	chr13_42574197
chr9	1.1E+08	110208236	+	2.884E-22	8.47E-21	-0.25433	hypo	sig	chr9_110208236
chr19	34482323	34482323	+	2.885E-22	8.4735E-21	0.254223	hyper	sig	chr19_34482323
chr12	53938917	53938917	+	2.889E-22	8.4832E-21	0.304037	hyper	sig	chr12_53938917
chr2	1.28E+08	128491403	+	2.895E-22	8.5018E-21	-0.31195	hypo	sig	chr2_128491403

chr8	41309529	41309529	+	2.898E-22	8.5085E-21	0.232868	hyper	sig	chr8_41309529
chr12	53960819	53960819	+	2.901E-22	8.5161E-21	0.284379	hyper	sig	chr12_53960819
chr19	7702393	7702393	+	2.905E-22	8.5281E-21	-0.26062	hypo	sig	chr19_7702393
chr5	1103338	1103338	+	2.905E-22	8.5281E-21	0.276609	hyper	sig	chr5_1103338
chr7	1.28E+08	128032233	+	2.905E-22	8.5281E-21	0.261976	hyper	sig	chr7_128032233
chr6	1.63E+08	163150432	+	2.905E-22	8.5283E-21	-0.36188	hypo	sig	chr6_163150432
chr15	93041748	93041748	+	2.906E-22	8.53E-21	-0.28645	hypo	sig	chr15_93041748
chr12	1.2E+08	119803467	+	2.907E-22	8.5319E-21	0.319544	hyper	sig	chr12_119803467
chr5	1100249	1100249	+	2.908E-22	8.536E-21	0.327737	hyper	sig	chr5_1100249
chr6	10425422	10425422	+	2.908E-22	8.536E-21	0.277471	hyper	sig	chr6_10425422
chr22	20438248	20438248	+	2.908E-22	8.5366E-21	0.247063	hyper	sig	chr22_20438248
chr22	17121811	17121811	+	2.914E-22	8.5523E-21	0.268918	hyper	sig	chr22_17121811
chr16	30948050	30948050	+	2.915E-22	8.5542E-21	0.350122	hyper	sig	chr16_30948050
chr10	25175831	25175831	+	2.919E-22	8.5665E-21	0.214803	hyper	sig	chr10_25175831
chr3	43996943	43996943	+	2.919E-22	8.5665E-21	0.308587	hyper	sig	chr3_43996943
chr1	1.83E+08	183417126	+	2.92E-22	8.5677E-21	0.324173	hyper	sig	chr1_183417126
chr2	63054023	63054023	+	2.92E-22	8.5677E-21	0.202088	hyper	sig	chr2_63054023
chr13	52848305	52848305	+	2.923E-22	8.5757E-21	0.269253	hyper	sig	chr13_52848305
chr8	1.18E+08	118074341	+	2.926E-22	8.5856E-21	0.342821	hyper	sig	chr8_118074341
chr7	5354349	5354349	+	2.926E-22	8.5864E-21	0.337028	hyper	sig	chr7_5354349
chr7	64575118	64575118	+	2.929E-22	8.594E-21	0.342731	hyper	sig	chr7_64575118
chr2	2.06E+08	205686742	+	2.931E-22	8.5995E-21	0.306994	hyper	sig	chr2_205686742
chr19	827715	827715	+	2.932E-22	8.6018E-21	-0.29831	hypo	sig	chr19_827715
chr5	1.19E+08	119355312	+	2.933E-22	8.6054E-21	-0.28771	hypo	sig	chr5_119355312
chr4	41881169	41881169	+	2.934E-22	8.6061E-21	0.301561	hyper	sig	chr4_41881169
chr11	1.12E+08	111912834	+	2.935E-22	8.6079E-21	0.320458	hyper	sig	chr11_111912834
chr1	1.1E+08	109668235	+	2.936E-22	8.613E-21	0.356233	hyper	sig	chr1_109668235
chr8	66963101	66963101	+	2.938E-22	8.6167E-21	0.247241	hyper	sig	chr8_66963101
chr2	1.28E+08	128425785	+	2.941E-22	8.6272E-21	-0.38499	hypo	sig	chr2_128425785
chr6	84766513	84766513	+	2.942E-22	8.6284E-21	0.426407	hyper	sig	chr6_84766513
chr9	62800294	62800294	+	2.943E-22	8.6301E-21	0.237067	hyper	sig	chr9_62800294
chr10	1.18E+08	117735005	+	2.943E-22	8.6311E-21	0.266447	hyper	sig	chr10_117735005
chr11	1028316	1028316	+	2.949E-22	8.6479E-21	-0.30546	hypo	sig	chr11_1028316
chr14	1.04E+08	104094200	+	2.95E-22	8.649E-21	-0.33528	hypo	sig	chr14_104094200
chr19	3130821	3130821	+	2.952E-22	8.6553E-21	-0.40326	hypo	sig	chr19_3130821
chr10	3288338	3288338	+	2.953E-22	8.6573E-21	-0.34054	hypo	sig	chr10_3288338
chr13	1.01E+08	101416759	+	2.956E-22	8.666E-21	0.224311	hyper	sig	chr13_101416759
chr20	21702861	21702861	+	2.956E-22	8.6677E-21	0.328537	hyper	sig	chr20_21702861
chr1	1.57E+08	156639731	+	2.957E-22	8.6702E-21	-0.30008	hypo	sig	chr1_156639731
chr6	10389868	10389868	+	2.958E-22	8.6712E-21	0.421515	hyper	sig	chr6_10389868
chr5	1.41E+08	141355234	+	2.958E-22	8.6728E-21	0.299282	hyper	sig	chr5_141355234
chr5	1.54E+08	154198439	+	2.959E-22	8.6753E-21	-0.31758	hypo	sig	chr5_154198439
chr10	1.01E+08	101228567	+	2.96E-22	8.6775E-21	0.265464	hyper	sig	chr10_101228567
chr5	1.79E+08	179349242	+	2.963E-22	8.6853E-21	-0.33105	hypo	sig	chr5_179349242
chr22	42338700	42338700	+	2.963E-22	8.6853E-21	-0.27888	hypo	sig	chr22_42338700
chr10	1.09E+08	108911851	+	2.967E-22	8.695E-21	0.238202	hyper	sig	chr10_108911851
chr4	80185618	80185618	+	2.972E-22	8.711E-21	0.271391	hyper	sig	chr4_80185618
chr5	55220705	55220705	+	2.973E-22	8.7126E-21	0.2282	hyper	sig	chr5_55220705
chr5	1.77E+08	176619965	+	2.984E-22	8.744E-21	0.283965	hyper	sig	chr5_176619965
chr2	41335916	41335916	+	2.984E-22	8.7458E-21	-0.33594	hypo	sig	chr2_41335916
chr13	1.12E+08	112057600	+	2.985E-22	8.7471E-21	0.221998	hyper	sig	chr13_112057600
chr11	63631078	63631078	+	2.987E-22	8.752E-21	-0.21696	hypo	sig	chr11_63631078
chr11	78676311	78676311	+	2.99E-22	8.7628E-21	-0.24891	hypo	sig	chr11_78676311
chr4	1405762	1405762	+	2.994E-22	8.7735E-21	0.318204	hyper	sig	chr4_1405762
chr1	1.55E+08	154570642	+	2.997E-22	8.7811E-21	-0.25101	hypo	sig	chr1_154570642
chr17	79234564	79234564	+	2.998E-22	8.7825E-21	-0.29692	hypo	sig	chr17_79234564

chr1	1.19E+08	118990193	+	3E-22	8.7897E-21	0.271564	hyper	sig	chr1_118990193
chr5	1.41E+08	141364360	+	3E-22	8.7901E-21	0.301675	hyper	sig	chr5_141364360
chr13	83906734	83906734	+	3.007E-22	8.8092E-21	-0.31589	hypo	sig	chr13_83906734
chr4	1.25E+08	125316192	+	3.009E-22	8.8139E-21	0.285898	hyper	sig	chr4_125316192
chr16	81693469	81693469	+	3.009E-22	8.815E-21	0.211268	hyper	sig	chr16_81693469
chr10	86668672	86668672	+	3.011E-22	8.8197E-21	0.37014	hyper	sig	chr10_86668672
chr15	74133745	74133745	+	3.012E-22	8.8219E-21	0.348241	hyper	sig	chr15_74133745
chr6	1.6E+08	160090908	+	3.013E-22	8.8243E-21	-0.34502	hypo	sig	chr6_160090908
chr1	1.58E+08	158353055	+	3.015E-22	8.8315E-21	-0.24808	hypo	sig	chr1_158353055
chr15	99992990	99992990	+	3.017E-22	8.8352E-21	-0.30536	hypo	sig	chr15_99992990
chr2	1.05E+08	104867056	+	3.022E-22	8.8493E-21	0.348339	hyper	sig	chr2_104867056
chr6	1.52E+08	151807499	+	3.023E-22	8.8518E-21	0.268285	hyper	sig	chr6_151807499
chr7	1.5E+08	150340815	+	3.025E-22	8.8578E-21	0.32397	hyper	sig	chr7_150340815
chr10	23173365	23173365	+	3.027E-22	8.8645E-21	0.372209	hyper	sig	chr10_23173365
chr17	81135929	81135929	+	3.027E-22	8.8646E-21	-0.26816	hypo	sig	chr17_81135929
chr7	18087483	18087483	+	3.035E-22	8.887E-21	0.281591	hyper	sig	chr7_18087483
chr13	52848310	52848310	+	3.039E-22	8.8985E-21	0.28475	hyper	sig	chr13_52848310
chr2	2.19E+08	219497227	+	3.044E-22	8.9122E-21	0.303893	hyper	sig	chr2_219497227
chr21	36710812	36710812	+	3.046E-22	8.9177E-21	0.303723	hyper	sig	chr21_36710812
chr1	1.54E+08	154325323	+	3.047E-22	8.9213E-21	0.230695	hyper	sig	chr1_154325323
chr8	68331251	68331251	+	3.049E-22	8.9253E-21	0.387346	hyper	sig	chr8_68331251
chr1	21280124	21280124	+	3.056E-22	8.9475E-21	-0.23724	hypo	sig	chr1_21280124
chr1	2.27E+08	226690680	+	3.059E-22	8.9547E-21	0.337793	hyper	sig	chr1_226690680
chr16	29285372	29285372	+	3.059E-22	8.955E-21	-0.27514	hypo	sig	chr16_29285372
chr2	2.07E+08	206642824	+	3.061E-22	8.9589E-21	0.298183	hyper	sig	chr2_206642824
chr17	48551938	48551938	+	3.062E-22	8.9626E-21	0.339645	hyper	sig	chr17_48551938
chr2	61180279	61180279	+	3.063E-22	8.9641E-21	0.345135	hyper	sig	chr2_61180279
chr5	1.59E+08	159104694	+	3.064E-22	8.9673E-21	0.357097	hyper	sig	chr5_159104694
chr19	51719259	51719259	+	3.071E-22	8.9868E-21	0.421234	hyper	sig	chr19_51719259
chr3	44584500	44584500	+	3.073E-22	8.9941E-21	0.250139	hyper	sig	chr3_44584500
chr5	1194011	1194011	+	3.074E-22	8.9966E-21	-0.32029	hypo	sig	chr5_1194011
chr4	1.9E+08	190020574	+	3.077E-22	9.0048E-21	0.266318	hyper	sig	chr4_190020574
chr11	22666628	22666628	+	3.081E-22	9.0151E-21	0.222035	hyper	sig	chr11_22666628
chr4	6663958	6663958	+	3.083E-22	9.0209E-21	0.374105	hyper	sig	chr4_6663958
chr7	27249483	27249483	+	3.091E-22	9.045E-21	0.313114	hyper	sig	chr7_27249483
chr3	48609933	48609933	+	3.095E-22	9.0546E-21	0.20918	hyper	sig	chr3_48609933
chr12	52898866	52898866	+	3.096E-22	9.0579E-21	-0.29529	hypo	sig	chr12_52898866
chr15	80933188	80933188	+	3.096E-22	9.0584E-21	0.326547	hyper	sig	chr15_80933188
chr16	87487804	87487804	+	3.097E-22	9.0615E-21	-0.25685	hypo	sig	chr16_87487804
chr13	26051258	26051258	+	3.098E-22	9.0625E-21	0.246662	hyper	sig	chr13_26051258
chr8	1.16E+08	115667559	+	3.098E-22	9.0635E-21	0.301233	hyper	sig	chr8_115667559
chr13	1.12E+08	111900401	+	3.105E-22	9.0822E-21	-0.42957	hypo	sig	chr13_111900401
chr2	74866120	74866120	+	3.109E-22	9.0927E-21	-0.30299	hypo	sig	chr2_74866120
chr4	65670777	65670777	+	3.109E-22	9.0927E-21	0.258589	hyper	sig	chr4_65670777
chr16	57529535	57529535	+	3.109E-22	9.094E-21	-0.29481	hypo	sig	chr16_57529535
chr12	77321841	77321841	+	3.112E-22	9.1017E-21	-0.24731	hypo	sig	chr12_77321841
chr8	26010537	26010537	+	3.113E-22	9.1034E-21	0.282872	hyper	sig	chr8_26010537
chr2	95025411	95025411	+	3.113E-22	9.1057E-21	0.288801	hyper	sig	chr2_95025411
chr8	1.08E+08	108083806	+	3.114E-22	9.1057E-21	0.276319	hyper	sig	chr8_108083806
chr1	1.56E+08	156490736	+	3.119E-22	9.1205E-21	0.393033	hyper	sig	chr1_156490736
chr19	5037026	5037026	+	3.121E-22	9.1268E-21	0.257977	hyper	sig	chr19_5037026
chr6	10425415	10425415	+	3.122E-22	9.129E-21	0.275685	hyper	sig	chr6_10425415
chr1	2.44E+08	243917750	+	3.122E-22	9.1291E-21	0.231348	hyper	sig	chr1_243917750
chr3	1.45E+08	145333527	+	3.123E-22	9.1315E-21	-0.28953	hypo	sig	chr3_145333527
chr16	29156646	29156646	+	3.125E-22	9.136E-21	-0.26027	hypo	sig	chr16_29156646
chr20	17225913	17225913	+	3.129E-22	9.1487E-21	0.342407	hyper	sig	chr20_17225913

chr1	1.53E+08	152757950	+	3.13E-22	9.1501E-21	-0.24732	hypo	sig	chr1_152757950
chr7	2738443	2738443	+	3.13E-22	9.1501E-21	0.31654	hyper	sig	chr7_2738443
chr4	1.09E+08	109302627	+	3.136E-22	9.1669E-21	0.274477	hyper	sig	chr4_109302627
chr10	7412630	7412630	+	3.14E-22	9.1783E-21	0.223849	hyper	sig	chr10_7412630
chr16	88958072	88958072	+	3.145E-22	9.1929E-21	-0.32315	hypo	sig	chr16_88958072
chr9	1.35E+08	135173725	+	3.15E-22	9.2078E-21	-0.29853	hypo	sig	chr9_135173725
chr10	1.19E+08	118595131	+	3.153E-22	9.2172E-21	0.322996	hyper	sig	chr10_118595131
chr11	64759686	64759686	+	3.156E-22	9.2248E-21	0.362933	hyper	sig	chr11_64759686
chr10	491173	491173	+	3.157E-22	9.2273E-21	0.258563	hyper	sig	chr10_491173
chr2	27573078	27573078	+	3.16E-22	9.2352E-21	-0.33419	hypo	sig	chr2_27573078
chr1	1333070	1333070	+	3.161E-22	9.2373E-21	-0.3275	hypo	sig	chr1_1333070
chr20	671659	671659	+	3.161E-22	9.2383E-21	-0.34305	hypo	sig	chr20_671659
chr19	310372	310372	+	3.163E-22	9.2435E-21	0.30776	hyper	sig	chr19_310372
chr18	57441859	57441859	+	3.165E-22	9.2493E-21	0.275939	hyper	sig	chr18_57441859
chr10	15719546	15719546	+	3.168E-22	9.2583E-21	0.297843	hyper	sig	chr10_15719546
chr11	72677117	72677117	+	3.173E-22	9.2712E-21	0.242687	hyper	sig	chr11_72677117
chr5	6729532	6729532	+	3.176E-22	9.2796E-21	-0.29783	hypo	sig	chr5_6729532
chr15	77028446	77028446	+	3.178E-22	9.2865E-21	0.477852	hyper	sig	chr15_77028446
chr16	1129554	1129554	+	3.18E-22	9.2919E-21	-0.3063	hypo	sig	chr16_1129554
chr2	2.38E+08	238494315	+	3.18E-22	9.2924E-21	-0.36755	hypo	sig	chr2_238494315
chr13	94707718	94707718	+	3.183E-22	9.2999E-21	0.376308	hyper	sig	chr13_94707718
chr4	1.33E+08	133149256	+	3.186E-22	9.3075E-21	0.291641	hyper	sig	chr4_133149256
chr19	40568230	40568230	+	3.188E-22	9.3134E-21	0.309293	hyper	sig	chr19_40568230
chr19	35116327	35116327	+	3.188E-22	9.3144E-21	-0.24998	hypo	sig	chr19_35116327
chr13	25171626	25171626	+	3.189E-22	9.3167E-21	0.301407	hyper	sig	chr13_25171626
chr12	84913359	84913359	+	3.191E-22	9.3204E-21	0.268805	hyper	sig	chr12_84913359
chr17	50469262	50469262	+	3.192E-22	9.3243E-21	0.265941	hyper	sig	chr17_50469262
chr8	1.42E+08	141903266	+	3.195E-22	9.3331E-21	-0.31735	hypo	sig	chr8_141903266
chr20	63537161	63537161	+	3.2E-22	9.3471E-21	-0.34678	hypo	sig	chr20_63537161
chr11	57647037	57647037	+	3.201E-22	9.3486E-21	0.246224	hyper	sig	chr11_57647037
chr12	6552006	6552006	+	3.202E-22	9.3525E-21	0.302033	hyper	sig	chr12_6552006
chr16	55506240	55506240	+	3.204E-22	9.3558E-21	-0.26801	hypo	sig	chr16_55506240
chr1	50426627	50426627	+	3.205E-22	9.3583E-21	0.345418	hyper	sig	chr1_50426627
chr7	79453135	79453135	+	3.205E-22	9.3593E-21	0.291934	hyper	sig	chr7_79453135
chr7	43112638	43112638	+	3.206E-22	9.362E-21	0.303947	hyper	sig	chr7_43112638
chr16	166650	166650	+	3.208E-22	9.3679E-21	0.236276	hyper	sig	chr16_166650
chr13	1.12E+08	112238576	+	3.21E-22	9.3721E-21	-0.29187	hypo	sig	chr13_112238576
chr5	1973712	1973712	+	3.212E-22	9.3783E-21	-0.30677	hypo	sig	chr5_1973712
chr13	1.11E+08	111405507	+	3.213E-22	9.3808E-21	-0.25524	hypo	sig	chr13_111405507
chr6	1.57E+08	157325552	+	3.214E-22	9.3824E-21	-0.27515	hypo	sig	chr6_157325552
chr7	5303262	5303262	+	3.215E-22	9.3852E-21	-0.36974	hypo	sig	chr7_5303262
chr1	1.47E+08	147080160	+	3.218E-22	9.3945E-21	0.325414	hyper	sig	chr1_147080160
chr2	36092382	36092382	+	3.228E-22	9.4247E-21	-0.30206	hypo	sig	chr2_36092382
chr17	50834904	50834904	+	3.231E-22	9.4313E-21	0.253855	hyper	sig	chr17_50834904
chr13	99971876	99971876	+	3.233E-22	9.4362E-21	0.308585	hyper	sig	chr13_99971876
chr6	32188750	32188750	+	3.235E-22	9.4423E-21	0.235022	hyper	sig	chr6_32188750
chr16	1991308	1991308	+	3.238E-22	9.4523E-21	0.22905	hyper	sig	chr16_1991308
chr4	4863106	4863106	+	3.239E-22	9.454E-21	0.350643	hyper	sig	chr4_4863106
chr2	94857386	94857386	+	3.239E-22	9.4543E-21	0.280281	hyper	sig	chr2_94857386
chr20	41366954	41366954	+	3.246E-22	9.4719E-21	0.274154	hyper	sig	chr20_41366954
chr5	1.8E+08	180432285	+	3.246E-22	9.473E-21	-0.28259	hypo	sig	chr5_180432285
chr8	1.42E+08	142173079	+	3.248E-22	9.4776E-21	-0.29	hypo	sig	chr8_142173079
chr13	93227380	93227380	+	3.248E-22	9.478E-21	0.322251	hyper	sig	chr13_93227380
chr1	1.48E+08	148246621	+	3.251E-22	9.487E-21	0.338733	hyper	sig	chr1_148246621
chr3	1.27E+08	126540525	+	3.252E-22	9.4889E-21	-0.32826	hypo	sig	chr3_126540525
chr5	1.41E+08	141372309	+	3.253E-22	9.4906E-21	0.33371	hyper	sig	chr5_141372309

chr15	83379195	83379195	+	3.254E-22	9.4943E-21	0.273162	hyper	sig	chr15_83379195
chr2	27307587	27307587	+	3.255E-22	9.497E-21	0.273201	hyper	sig	chr2_27307587
chr1	34783783	34783783	+	3.26E-22	9.5106E-21	-0.26738	hypo	sig	chr1_34783783
chr6	29558713	29558713	+	3.27E-22	9.538E-21	-0.26022	hypo	sig	chr6_29558713
chr19	3801778	3801778	+	3.272E-22	9.5439E-21	0.2368	hyper	sig	chr19_3801778
chr16	1534540	1534540	+	3.274E-22	9.5487E-21	0.272207	hyper	sig	chr16_1534540
chr13	36346525	36346525	+	3.277E-22	9.5594E-21	0.201155	hyper	sig	chr13_36346525
chr8	56320682	56320682	+	3.278E-22	9.5614E-21	-0.37517	hypo	sig	chr8_56320682
chr2	11495938	11495938	+	3.281E-22	9.5708E-21	0.311511	hyper	sig	chr2_11495938
chr1	1.19E+08	119008201	+	3.283E-22	9.5744E-21	0.261008	hyper	sig	chr1_119008201
chr14	89575934	89575934	+	3.285E-22	9.5794E-21	0.256266	hyper	sig	chr14_89575934
chr4	1.74E+08	173519520	+	3.293E-22	9.6021E-21	0.323222	hyper	sig	chr4_173519520
chr7	1421057	1421057	+	3.294E-22	9.6047E-21	-0.36326	hypo	sig	chr7_1421057
chr11	65557778	65557778	+	3.297E-22	9.6146E-21	0.225747	hyper	sig	chr11_65557778
chr11	2825789	2825789	+	3.302E-22	9.6301E-21	0.284908	hyper	sig	chr11_2825789
chr14	77111319	77111319	+	3.311E-22	9.6537E-21	0.301206	hyper	sig	chr14_77111319
chr19	23914951	23914951	+	3.311E-22	9.6542E-21	0.224509	hyper	sig	chr19_23914951
chr13	1.1E+08	110341216	+	3.316E-22	9.6674E-21	0.289764	hyper	sig	chr13_110341216
chr14	23366721	23366721	+	3.319E-22	9.6765E-21	0.373366	hyper	sig	chr14_23366721
chr19	58440067	58440067	+	3.319E-22	9.6773E-21	0.22259	hyper	sig	chr19_58440067
chr16	1266479	1266479	+	3.32E-22	9.6782E-21	-0.24552	hypo	sig	chr16_1266479
chr7	949588	949588	+	3.321E-22	9.6824E-21	-0.32628	hypo	sig	chr7_949588
chr1	90834735	90834735	+	3.324E-22	9.6913E-21	0.322568	hyper	sig	chr1_90834735
chr7	27145133	27145133	+	3.332E-22	9.7131E-21	0.330328	hyper	sig	chr7_27145133
chr2	1.63E+08	163348199	+	3.335E-22	9.7215E-21	0.347691	hyper	sig	chr2_163348199
chr6	84764751	84764751	+	3.336E-22	9.723E-21	0.246029	hyper	sig	chr6_84764751
chr1	50430543	50430543	+	3.339E-22	9.7326E-21	0.224835	hyper	sig	chr1_50430543
chr1	2.21E+08	220881225	+	3.34E-22	9.735E-21	0.307286	hyper	sig	chr1_220881225
chr11	30584615	30584615	+	3.341E-22	9.7369E-21	0.276251	hyper	sig	chr11_30584615
chr3	1.28E+08	128486431	+	3.342E-22	9.7409E-21	0.309416	hyper	sig	chr3_128486431
chr19	45385557	45385557	+	3.344E-22	9.7438E-21	0.367954	hyper	sig	chr19_45385557
chr7	1.22E+08	122310321	+	3.345E-22	9.7492E-21	0.218068	hyper	sig	chr7_122310321
chr19	30224756	30224756	+	3.347E-22	9.7531E-21	0.253927	hyper	sig	chr19_30224756
chr3	1.47E+08	147392436	+	3.353E-22	9.7709E-21	0.276672	hyper	sig	chr3_147392436
chr7	1.35E+08	135247666	+	3.355E-22	9.7748E-21	-0.34856	hypo	sig	chr7_135247666
chr20	40690704	40690704	+	3.356E-22	9.7774E-21	0.327987	hyper	sig	chr20_40690704
chr2	31137896	31137896	+	3.357E-22	9.7804E-21	0.221125	hyper	sig	chr2_31137896
chr12	4810007	4810007	+	3.363E-22	9.7973E-21	0.410554	hyper	sig	chr12_4810007
chr20	664555	664555	+	3.365E-22	9.8047E-21	0.309152	hyper	sig	chr20_664555
chr20	36876154	36876154	+	3.366E-22	9.805E-21	-0.2874	hypo	sig	chr20_36876154
chr12	1.14E+08	114408508	+	3.366E-22	9.8065E-21	0.272056	hyper	sig	chr12_114408508
chr19	38469079	38469079	+	3.373E-22	9.8254E-21	-0.42299	hypo	sig	chr19_38469079
chr6	1E+08	100458809	+	3.373E-22	9.8254E-21	0.303107	hyper	sig	chr6_100458809
chr12	1.24E+08	124328440	+	3.374E-22	9.8264E-21	0.289828	hyper	sig	chr12_124328440
chr22	49168604	49168604	+	3.379E-22	9.8419E-21	-0.25072	hypo	sig	chr22_49168604
chr12	1.32E+08	131590671	+	3.38E-22	9.8443E-21	-0.29658	hypo	sig	chr12_131590671
chr9	971544	971544	+	3.38E-22	9.8453E-21	0.39676	hyper	sig	chr9_971544
chr8	1.44E+08	144327493	+	3.384E-22	9.8549E-21	0.204965	hyper	sig	chr8_144327493
chr13	1.02E+08	102400543	+	3.386E-22	9.8606E-21	0.300147	hyper	sig	chr13_102400543
chr3	9552535	9552535	+	3.393E-22	9.8808E-21	0.306501	hyper	sig	chr3_9552535
chr13	87674609	87674609	+	3.394E-22	9.8823E-21	0.281776	hyper	sig	chr13_87674609
chr19	5851638	5851638	+	3.394E-22	9.8839E-21	-0.31228	hypo	sig	chr19_5851638
chr8	70066116	70066116	+	3.403E-22	9.9087E-21	-0.37088	hypo	sig	chr8_70066116
chr8	84185008	84185008	+	3.403E-22	9.9087E-21	0.280342	hyper	sig	chr8_84185008
chr20	21106133	21106133	+	3.403E-22	9.909E-21	0.337668	hyper	sig	chr20_21106133
chr13	1.13E+08	113022691	+	3.405E-22	9.9124E-21	0.304293	hyper	sig	chr13_113022691

chr3	1.47E+08	147396604	+	3.406E-22	9.9168E-21	0.263634	hyper	sig	chr3_147396604
chr11	31805539	31805539	+	3.411E-22	9.9307E-21	0.275077	hyper	sig	chr11_31805539
chr1	38044531	38044531	+	3.417E-22	9.9473E-21	0.296613	hyper	sig	chr1_38044531
chr11	1.17E+08	116696618	+	3.425E-22	9.9692E-21	-0.23984	hypo	sig	chr11_116696618
chr2	2.39E+08	239250091	+	3.425E-22	9.9692E-21	0.33202	hyper	sig	chr2_239250091
chr3	1.92E+08	192410237	+	3.425E-22	9.9692E-21	0.453312	hyper	sig	chr3_192410237
chr8	1.13E+08	113438461	+	3.425E-22	9.9692E-21	0.297554	hyper	sig	chr8_113438461
chr13	1.13E+08	113420350	+	3.427E-22	9.9756E-21	-0.37478	hypo	sig	chr13_113420350
chr15	89408647	89408647	+	3.429E-22	9.9788E-21	0.236358	hyper	sig	chr15_89408647
chr17	30235271	30235271	+	3.434E-22	9.9935E-21	0.324995	hyper	sig	chr17_30235271
chr19	3881264	3881264	+	3.435E-22	9.9953E-21	0.287125	hyper	sig	chr19_3881264
chr5	81232790	81232790	+	3.436E-22	9.9991E-21	0.281092	hyper	sig	chr5_81232790
chr12	39145656	39145656	+	3.439E-22	1.0007E-20	0.269067	hyper	sig	chr12_39145656
chr13	1.12E+08	111893653	+	3.444E-22	1.0022E-20	0.328399	hyper	sig	chr13_111893653
chr17	77834813	77834813	+	3.447E-22	1.0029E-20	-0.31983	hypo	sig	chr17_77834813
chr6	1.5E+08	149965356	+	3.45E-22	1.0038E-20	0.26199	hyper	sig	chr6_149965356
chr19	49196624	49196624	+	3.453E-22	1.0046E-20	0.410045	hyper	sig	chr19_49196624
chr11	57483323	57483323	+	3.453E-22	1.0047E-20	0.256668	hyper	sig	chr11_57483323
chr22	26170013	26170013	+	3.454E-22	1.0049E-20	0.315008	hyper	sig	chr22_26170013
chr7	27201513	27201513	+	3.454E-22	1.0049E-20	-0.39632	hypo	sig	chr7_27201513
chr2	2.22E+08	222303807	+	3.455E-22	1.0051E-20	0.312972	hyper	sig	chr2_222303807
chr16	84819132	84819132	+	3.456E-22	1.0055E-20	-0.3616	hypo	sig	chr16_84819132
chr1	1.64E+08	164321004	+	3.458E-22	1.0061E-20	0.232015	hyper	sig	chr1_164321004
chr6	1.67E+08	166861923	+	3.461E-22	1.0068E-20	0.312734	hyper	sig	chr6_166861923
chr1	17419872	17419872	+	3.467E-22	1.0084E-20	0.274573	hyper	sig	chr1_17419872
chr16	49277572	49277572	+	3.472E-22	1.0099E-20	0.324498	hyper	sig	chr16_49277572
chr5	1552981	1552981	+	3.472E-22	1.0099E-20	0.247384	hyper	sig	chr5_1552981
chr7	1.56E+08	155804723	+	3.472E-22	1.0099E-20	0.275769	hyper	sig	chr7_155804723
chr1	16376010	16376010	+	3.474E-22	1.0104E-20	0.330025	hyper	sig	chr1_16376010
chr10	1.32E+08	131766362	+	3.477E-22	1.0113E-20	-0.26671	hypo	sig	chr10_131766362
chr12	4809958	4809958	+	3.478E-22	1.0114E-20	0.335764	hyper	sig	chr12_4809958
chr12	52601480	52601480	+	3.478E-22	1.0114E-20	0.336158	hyper	sig	chr12_52601480
chr11	31818340	31818340	+	3.48E-22	1.0121E-20	0.336759	hyper	sig	chr11_31818340
chr11	69867996	69867996	+	3.488E-22	1.0144E-20	-0.29911	hypo	sig	chr11_69867996
chr5	1.41E+08	140848899	+	3.494E-22	1.0158E-20	0.32033	hyper	sig	chr5_140848899
chr7	4725268	4725268	+	3.495E-22	1.0164E-20	0.273576	hyper	sig	chr7_4725268
chr5	32506408	32506408	+	3.498E-22	1.0171E-20	0.21821	hyper	sig	chr5_32506408
chr19	52535852	52535852	+	3.501E-22	1.0178E-20	0.297774	hyper	sig	chr19_52535852
chr2	2.18E+08	218004961	+	3.504E-22	1.0188E-20	-0.34498	hypo	sig	chr2_218004961
chr7	1.57E+08	157498510	+	3.505E-22	1.019E-20	-0.34919	hypo	sig	chr7_157498510
chr8	52939886	52939886	+	3.515E-22	1.0218E-20	0.34538	hyper	sig	chr8_52939886
chr2	2.22E+08	222295767	+	3.518E-22	1.0227E-20	0.259029	hyper	sig	chr2_222295767
chr17	6714308	6714308	+	3.522E-22	1.0239E-20	0.301576	hyper	sig	chr17_6714308
chr5	37839678	37839678	+	3.525E-22	1.0247E-20	0.310457	hyper	sig	chr5_37839678
chr7	5608459	5608459	+	3.53E-22	1.026E-20	-0.35869	hypo	sig	chr7_5608459
chr12	53975297	53975297	+	3.532E-22	1.0264E-20	0.360547	hyper	sig	chr12_53975297
chr12	1.24E+08	124289343	+	3.533E-22	1.0269E-20	0.286472	hyper	sig	chr12_124289343
chr12	81077799	81077799	+	3.535E-22	1.0275E-20	0.27617	hyper	sig	chr12_81077799
chr2	20670519	20670519	+	3.538E-22	1.0282E-20	0.279479	hyper	sig	chr2_20670519
chr15	25059478	25059478	+	3.54E-22	1.0287E-20	-0.29765	hypo	sig	chr15_25059478
chr4	1.57E+08	157222576	+	3.543E-22	1.0296E-20	0.345142	hyper	sig	chr4_157222576
chr22	19029301	19029301	+	3.544E-22	1.0299E-20	0.275396	hyper	sig	chr22_19029301
chr22	38314680	38314680	+	3.545E-22	1.03E-20	0.382639	hyper	sig	chr22_38314680
chr19	38557374	38557374	+	3.545E-22	1.0301E-20	-0.35742	hypo	sig	chr19_38557374
chr2	71560675	71560675	+	3.548E-22	1.0309E-20	0.293582	hyper	sig	chr2_71560675
chr2	2.41E+08	240565771	+	3.553E-22	1.0324E-20	-0.27412	hypo	sig	chr2_240565771

chr19	19514611	19514611	+	3.564E-22	1.0356E-20	0.329738	hyper	sig	chr19_19514611
chr5	3602430	3602430	+	3.568E-22	1.0366E-20	0.318409	hyper	sig	chr5_3602430
chr10	25933920	25933920	+	3.569E-22	1.0369E-20	0.253762	hyper	sig	chr10_25933920
chr8	1958332	1958332	+	3.57E-22	1.037E-20	0.250659	hyper	sig	chr8_1958332
chr4	3649805	3649805	+	3.571E-22	1.0373E-20	-0.34859	hypo	sig	chr4_3649805
chr10	1173465	1173465	+	3.571E-22	1.0374E-20	-0.33054	hypo	sig	chr10_1173465
chr11	31814017	31814017	+	3.577E-22	1.0388E-20	0.248386	hyper	sig	chr11_31814017
chr2	2.32E+08	232351404	+	3.579E-22	1.0396E-20	0.247634	hyper	sig	chr2_232351404
chr5	1.35E+08	135316934	+	3.579E-22	1.0396E-20	0.324229	hyper	sig	chr5_135316934
chr2	1.13E+08	113275913	+	3.58E-22	1.0398E-20	0.297286	hyper	sig	chr2_113275913
chr1	1.57E+08	156849261	+	3.581E-22	1.0399E-20	0.334047	hyper	sig	chr1_156849261
chr22	46374446	46374446	+	3.584E-22	1.0409E-20	-0.25593	hypo	sig	chr22_46374446
chr19	40224764	40224764	+	3.586E-22	1.0413E-20	-0.44205	hypo	sig	chr19_40224764
chr15	45378328	45378328	+	3.587E-22	1.0415E-20	0.238684	hyper	sig	chr15_45378328
chr19	8133053	8133053	+	3.59E-22	1.0422E-20	-0.39714	hypo	sig	chr19_8133053
chr19	38265184	38265184	+	3.589E-22	1.0422E-20	-0.3044	hypo	sig	chr19_38265184
chr14	1.02E+08	101964179	+	3.59E-22	1.0423E-20	0.296917	hyper	sig	chr14_101964179
chr8	41876185	41876185	+	3.593E-22	1.0432E-20	0.243492	hyper	sig	chr8_41876185
chr3	6862953	6862953	+	3.594E-22	1.0434E-20	0.334484	hyper	sig	chr3_6862953
chr9	971743	971743	+	3.599E-22	1.0447E-20	0.362924	hyper	sig	chr9_971743
chr11	1.34E+08	133841401	+	3.599E-22	1.0447E-20	-0.30812	hypo	sig	chr11_133841401
chr4	1.33E+08	133151598	+	3.599E-22	1.0448E-20	0.326784	hyper	sig	chr4_133151598
chr2	1.92E+08	192196142	+	3.6E-22	1.0449E-20	0.222887	hyper	sig	chr2_192196142
chr5	320759	320759	+	3.601E-22	1.0452E-20	0.308317	hyper	sig	chr5_320759
chr1	9321212	9321212	+	3.603E-22	1.0459E-20	0.304319	hyper	sig	chr1_9321212
chr1	2.27E+08	226736535	+	3.607E-22	1.047E-20	0.285405	hyper	sig	chr1_226736535
chr15	60002281	60002281	+	3.611E-22	1.048E-20	0.287418	hyper	sig	chr15_60002281
chr4	1.55E+08	155376936	+	3.614E-22	1.0489E-20	0.25074	hyper	sig	chr4_155376936
chr7	27110601	27110601	+	3.616E-22	1.0493E-20	0.387379	hyper	sig	chr7_27110601
chr5	1.46E+08	146343279	+	3.617E-22	1.0496E-20	0.228462	hyper	sig	chr5_146343279
chr12	53952100	53952100	+	3.617E-22	1.0496E-20	0.241277	hyper	sig	chr12_53952100
chr2	2.39E+08	238654742	+	3.617E-22	1.0496E-20	-0.32183	hypo	sig	chr2_238654742
chr7	41967842	41967842	+	3.626E-22	1.0521E-20	-0.30924	hypo	sig	chr7_41967842
chr1	1.44E+08	143839186	+	3.626E-22	1.0521E-20	0.304727	hyper	sig	chr1_143839186
chr17	19868235	19868235	+	3.626E-22	1.0521E-20	0.275956	hyper	sig	chr17_19868235
chr6	50724497	50724497	+	3.63E-22	1.0531E-20	0.237732	hyper	sig	chr6_50724497
chr16	30573537	30573537	+	3.638E-22	1.0554E-20	-0.24331	hypo	sig	chr16_30573537
chr19	57351034	57351034	+	3.651E-22	1.0592E-20	0.227158	hyper	sig	chr19_57351034
chr15	75712669	75712669	+	3.658E-22	1.061E-20	0.200285	hyper	sig	chr15_75712669
chr6	28447315	28447315	+	3.659E-22	1.0614E-20	0.316121	hyper	sig	chr6_28447315
chr5	3590368	3590368	+	3.659E-22	1.0614E-20	0.307428	hyper	sig	chr5_3590368
chr3	1.72E+08	172449105	+	3.66E-22	1.0616E-20	0.2845	hyper	sig	chr3_172449105
chr13	1.11E+08	110645137	+	3.663E-22	1.0625E-20	0.270124	hyper	sig	chr13_110645137
chr22	49671219	49671219	+	3.664E-22	1.0626E-20	0.298634	hyper	sig	chr22_49671219
chr3	1.71E+08	170585279	+	3.668E-22	1.0637E-20	0.373125	hyper	sig	chr3_170585279
chr3	62377264	62377264	+	3.668E-22	1.0638E-20	0.30648	hyper	sig	chr3_62377264
chr2	63806658	63806658	+	3.669E-22	1.0641E-20	-0.38823	hypo	sig	chr2_63806658
chr19	48746823	48746823	+	3.671E-22	1.0645E-20	0.341753	hyper	sig	chr19_48746823
chr5	55221074	55221074	+	3.672E-22	1.0649E-20	0.357109	hyper	sig	chr5_55221074
chr20	21702906	21702906	+	3.674E-22	1.0654E-20	0.373193	hyper	sig	chr20_21702906
chr5	37839694	37839694	+	3.675E-22	1.0655E-20	0.270828	hyper	sig	chr5_37839694
chr20	21105695	21105695	+	3.682E-22	1.0675E-20	0.270002	hyper	sig	chr20_21105695
chr1	3435691	3435691	+	3.682E-22	1.0676E-20	-0.24587	hypo	sig	chr1_3435691
chr2	5444362	5444362	+	3.683E-22	1.0678E-20	-0.28831	hypo	sig	chr2_5444362
chr19	11454751	11454751	+	3.684E-22	1.0679E-20	-0.32546	hypo	sig	chr19_11454751
chr10	1.28E+08	127738484	+	3.692E-22	1.0704E-20	0.277983	hyper	sig	chr10_127738484

chr16	30948178	30948178	+	3.693E-22	1.0705E-20	0.294998	hyper	sig	chr16_30948178
chr6	52573930	52573930	+	3.697E-22	1.0717E-20	0.301449	hyper	sig	chr6_52573930
chr16	2127325	2127325	+	3.698E-22	1.0719E-20	0.230798	hyper	sig	chr16_2127325
chr1	50425740	50425740	+	3.699E-22	1.0722E-20	0.279124	hyper	sig	chr1_50425740
chr14	60511432	60511432	+	3.703E-22	1.0732E-20	0.267158	hyper	sig	chr14_60511432
chr3	1.58E+08	158102802	+	3.706E-22	1.074E-20	0.277637	hyper	sig	chr3_158102802
chr1	69919417	69919417	+	3.709E-22	1.0749E-20	-0.31913	hypo	sig	chr1_69919417
chr1	1.08E+08	107964755	+	3.71E-22	1.075E-20	0.242111	hyper	sig	chr1_107964755
chr8	64587290	64587290	+	3.715E-22	1.0765E-20	0.302474	hyper	sig	chr8_64587290
chr5	1.71E+08	171308200	+	3.718E-22	1.0773E-20	0.266031	hyper	sig	chr5_171308200
chr6	6543184	6543184	+	3.722E-22	1.0784E-20	-0.31906	hypo	sig	chr6_6543184
chr15	52798358	52798358	+	3.722E-22	1.0785E-20	0.284784	hyper	sig	chr15_52798358
chr2	1E+08	100417808	+	3.728E-22	1.0803E-20	0.241033	hyper	sig	chr2_100417808
chr5	33936329	33936329	+	3.729E-22	1.0803E-20	0.289163	hyper	sig	chr5_33936329
chr7	561607	561607	+	3.733E-22	1.0815E-20	0.30931	hyper	sig	chr7_561607
chr1	1.65E+08	164576306	+	3.737E-22	1.0825E-20	0.404533	hyper	sig	chr1_164576306
chr18	905045	905045	+	3.739E-22	1.0832E-20	0.314356	hyper	sig	chr18_905045
chr7	1E+08	100477746	+	3.742E-22	1.0841E-20	0.216792	hyper	sig	chr7_100477746
chr5	1.32E+08	132295314	+	3.744E-22	1.0845E-20	-0.3662	hypo	sig	chr5_132295314
chr14	75981115	75981115	+	3.751E-22	1.0864E-20	0.3161	hyper	sig	chr14_75981115
chr17	1137797	1137797	+	3.752E-22	1.0869E-20	-0.273	hypo	sig	chr17_1137797
chr5	1.77E+08	176619885	+	3.756E-22	1.0879E-20	0.314403	hyper	sig	chr5_176619885
chr1	3460251	3460251	+	3.764E-22	1.09E-20	-0.28893	hypo	sig	chr1_3460251
chr6	30127231	30127231	+	3.765E-22	1.0903E-20	0.30086	hyper	sig	chr6_30127231
chr1	48094095	48094095	+	3.768E-22	1.0912E-20	-0.29937	hypo	sig	chr1_48094095
chr8	52941150	52941150	+	3.772E-22	1.0924E-20	0.26617	hyper	sig	chr8_52941150
chr20	1002174	1002174	+	3.773E-22	1.0925E-20	0.222932	hyper	sig	chr20_1002174
chr9	1.22E+08	121598824	+	3.774E-22	1.0927E-20	0.276056	hyper	sig	chr9_121598824
chr12	27969487	27969487	+	3.785E-22	1.096E-20	0.237089	hyper	sig	chr12_27969487
chr14	60507797	60507797	+	3.786E-22	1.0961E-20	0.233775	hyper	sig	chr14_60507797
chr5	51387646	51387646	+	3.787E-22	1.0964E-20	0.294319	hyper	sig	chr5_51387646
chr2	51032865	51032865	+	3.788E-22	1.0966E-20	0.310306	hyper	sig	chr2_51032865
chr16	1543221	1543221	+	3.788E-22	1.0966E-20	-0.33168	hypo	sig	chr16_1543221
chr6	28810347	28810347	+	3.79E-22	1.0972E-20	0.293599	hyper	sig	chr6_28810347
chr9	62800209	62800209	+	3.796E-22	1.0988E-20	0.321968	hyper	sig	chr9_62800209
chr11	78962167	78962167	+	3.797E-22	1.0992E-20	0.34942	hyper	sig	chr11_78962167
chr5	37838169	37838169	+	3.798E-22	1.0994E-20	0.276159	hyper	sig	chr5_37838169
chr2	1.19E+08	118843140	+	3.799E-22	1.0996E-20	0.307953	hyper	sig	chr2_118843140
chr12	1.1E+08	109833688	+	3.799E-22	1.0996E-20	0.340466	hyper	sig	chr12_109833688
chr5	77972593	77972593	+	3.799E-22	1.0997E-20	0.333436	hyper	sig	chr5_77972593
chr1	1.61E+08	161259231	+	3.802E-22	1.1005E-20	0.307195	hyper	sig	chr1_161259231
chr10	75404376	75404376	+	3.805E-22	1.1012E-20	-0.27334	hypo	sig	chr10_75404376
chr2	2.36E+08	236236814	+	3.808E-22	1.1022E-20	0.240497	hyper	sig	chr2_236236814
chr7	83749777	83749777	+	3.809E-22	1.1024E-20	-0.33098	hypo	sig	chr7_83749777
chr13	94703100	94703100	+	3.81E-22	1.1025E-20	0.244104	hyper	sig	chr13_94703100
chr15	69462387	69462387	+	3.811E-22	1.1027E-20	-0.27746	hypo	sig	chr15_69462387
chr5	32445330	32445330	+	3.821E-22	1.1056E-20	-0.24749	hypo	sig	chr5_32445330
chr2	86790298	86790298	+	3.821E-22	1.1057E-20	0.282373	hyper	sig	chr2_86790298
chr20	63178052	63178052	+	3.822E-22	1.1057E-20	0.258888	hyper	sig	chr20_63178052
chr2	1.54E+08	153871394	+	3.822E-22	1.1058E-20	0.32389	hyper	sig	chr2_153871394
chr15	79004817	79004817	+	3.825E-22	1.1066E-20	-0.22726	hypo	sig	chr15_79004817
chr13	25469334	25469334	+	3.826E-22	1.107E-20	0.348416	hyper	sig	chr13_25469334
chr19	46471378	46471378	+	3.827E-22	1.1071E-20	0.268446	hyper	sig	chr19_46471378
chr7	1.54E+08	154053412	+	3.834E-22	1.1091E-20	0.317825	hyper	sig	chr7_154053412
chr14	47676349	47676349	+	3.836E-22	1.1097E-20	0.376225	hyper	sig	chr14_47676349
chr8	1.42E+08	141903291	+	3.838E-22	1.1102E-20	-0.33645	hypo	sig	chr8_141903291

chr11	31800722	31800722	+	3.839E-22	1.1104E-20	0.265909	hyper	sig	chr11_31800722
chr8	1.03E+08	102809568	+	3.84E-22	1.1106E-20	-0.41547	hypo	sig	chr8_102809568
chr13	57629746	57629746	+	3.841E-22	1.1111E-20	0.374179	hyper	sig	chr13_57629746
chr17	35496618	35496618	+	3.842E-22	1.1111E-20	0.401077	hyper	sig	chr17_35496618
chr1	1.44E+08	143651609	+	3.848E-22	1.1128E-20	0.316935	hyper	sig	chr1_143651609
chr1	3293866	3293866	+	3.853E-22	1.1144E-20	-0.26928	hypo	sig	chr1_3293866
chr11	1.23E+08	122976507	+	3.854E-22	1.1146E-20	0.404057	hyper	sig	chr11_122976507
chr19	48837180	48837180	+	3.857E-22	1.1153E-20	0.314318	hyper	sig	chr19_48837180
chr2	71830746	71830746	+	3.858E-22	1.1156E-20	-0.39175	hypo	sig	chr2_71830746
chr8	53878258	53878258	+	3.863E-22	1.1171E-20	0.254804	hyper	sig	chr8_53878258
chr6	1625242	1625242	+	3.866E-22	1.1179E-20	0.287926	hyper	sig	chr6_1625242
chr12	55704003	55704003	+	3.867E-22	1.1183E-20	0.309646	hyper	sig	chr12_55704003
chr2	97724048	97724048	+	3.868E-22	1.1183E-20	0.349032	hyper	sig	chr2_97724048
chr19	15181629	15181629	+	3.874E-22	1.1199E-20	-0.398	hypo	sig	chr19_15181629
chr17	79981775	79981775	+	3.879E-22	1.1215E-20	0.363606	hyper	sig	chr17_79981775
chr1	2.36E+08	235642770	+	3.881E-22	1.1219E-20	-0.36398	hypo	sig	chr1_235642770
chr5	83473103	83473103	+	3.881E-22	1.1219E-20	0.206395	hyper	sig	chr5_83473103
chr10	1.01E+08	100520139	+	3.883E-22	1.1226E-20	0.31141	hyper	sig	chr10_100520139
chr3	1.13E+08	113441506	+	3.89E-22	1.1244E-20	0.332068	hyper	sig	chr3_113441506
chr17	40779753	40779753	+	3.891E-22	1.1247E-20	0.284244	hyper	sig	chr17_40779753
chr22	36567057	36567057	+	3.892E-22	1.1249E-20	-0.31111	hypo	sig	chr22_36567057
chr8	6814330	6814330	+	3.894E-22	1.1254E-20	-0.26963	hypo	sig	chr8_6814330
chr16	1266100	1266100	+	3.894E-22	1.1254E-20	-0.40481	hypo	sig	chr16_1266100
chr6	1.68E+08	167797333	+	3.894E-22	1.1255E-20	-0.27542	hypo	sig	chr6_167797333
chr1	12596070	12596070	+	3.895E-22	1.1256E-20	0.204627	hyper	sig	chr1_12596070
chr4	1.9E+08	190017275	+	3.897E-22	1.1261E-20	0.372126	hyper	sig	chr4_190017275
chr19	4338772	4338772	+	3.9E-22	1.1269E-20	-0.26466	hypo	sig	chr19_4338772
chr8	1.43E+08	142777137	+	3.904E-22	1.1282E-20	0.273141	hyper	sig	chr8_142777137
chr16	77788851	77788851	+	3.905E-22	1.1284E-20	0.328446	hyper	sig	chr16_77788851
chr19	23002862	23002862	+	3.908E-22	1.1291E-20	0.287801	hyper	sig	chr19_23002862
chr8	1.08E+08	108083062	+	3.912E-22	1.1302E-20	0.317615	hyper	sig	chr8_108083062
chr14	1.01E+08	101364759	+	3.912E-22	1.1303E-20	0.326261	hyper	sig	chr14_101364759
chr11	62547419	62547419	+	3.915E-22	1.1312E-20	0.308418	hyper	sig	chr11_62547419
chr16	73063458	73063458	+	3.916E-22	1.1314E-20	-0.36531	hypo	sig	chr16_73063458
chr10	42368091	42368091	+	3.924E-22	1.1336E-20	0.307501	hyper	sig	chr10_42368091
chr13	87671793	87671793	+	3.924E-22	1.1336E-20	0.298096	hyper	sig	chr13_87671793
chr19	21463538	21463538	+	3.93E-22	1.1352E-20	0.321609	hyper	sig	chr19_21463538
chr12	1.25E+08	124549346	+	3.933E-22	1.1361E-20	0.334347	hyper	sig	chr12_124549346
chr3	1.82E+08	181724018	+	3.935E-22	1.1366E-20	0.264709	hyper	sig	chr3_181724018
chr2	95026249	95026249	+	3.937E-22	1.137E-20	0.302431	hyper	sig	chr2_95026249
chr3	43997838	43997838	+	3.939E-22	1.1376E-20	0.206765	hyper	sig	chr3_43997838
chr2	1.27E+08	126888943	+	3.942E-22	1.1386E-20	-0.29475	hypo	sig	chr2_126888943
chr5	1.29E+08	128965784	+	3.95E-22	1.1407E-20	0.338072	hyper	sig	chr5_128965784
chr7	44067099	44067099	+	3.951E-22	1.1411E-20	-0.40311	hypo	sig	chr7_44067099
chr3	1.8E+08	179950063	+	3.954E-22	1.1419E-20	-0.27263	hypo	sig	chr3_179950063
chr16	71426503	71426503	+	3.962E-22	1.144E-20	0.234657	hyper	sig	chr16_71426503
chr3	49902645	49902645	+	3.973E-22	1.1472E-20	-0.37007	hypo	sig	chr3_49902645
chr7	1.58E+08	158277228	+	3.973E-22	1.1472E-20	0.351829	hyper	sig	chr7_158277228
chr3	1.29E+08	128559697	+	3.977E-22	1.1483E-20	-0.28815	hypo	sig	chr3_128559697
chr13	99989152	99989152	+	3.984E-22	1.1503E-20	0.257714	hyper	sig	chr13_99989152
chr6	75205000	75205000	+	3.985E-22	1.1504E-20	0.225613	hyper	sig	chr6_75205000
chr5	1.8E+08	179801921	+	3.988E-22	1.1514E-20	0.309738	hyper	sig	chr5_179801921
chr4	1407621	1407621	+	3.989E-22	1.1515E-20	0.385194	hyper	sig	chr4_1407621
chr11	22667179	22667179	+	3.991E-22	1.1521E-20	0.254208	hyper	sig	chr11_22667179
chr8	52414108	52414108	+	3.993E-22	1.1526E-20	0.326988	hyper	sig	chr8_52414108
chr8	48870522	48870522	+	3.995E-22	1.1531E-20	0.370069	hyper	sig	chr8_48870522

chr16	1039182	1039182	+	3.996E-22	1.1533E-20	-0.34028	hypo	sig	chr16_1039182
chr12	50842968	50842968	+	3.996E-22	1.1534E-20	0.347206	hyper	sig	chr12_50842968
chr8	66963333	66963333	+	4.001E-22	1.1549E-20	0.416479	hyper	sig	chr8_66963333
chr4	1.74E+08	173527465	+	4.004E-22	1.1556E-20	0.310284	hyper	sig	chr4_173527465
chr1	10663134	10663134	+	4.008E-22	1.1566E-20	0.287137	hyper	sig	chr1_10663134
chr17	7929819	7929819	+	4.01E-22	1.1572E-20	0.364472	hyper	sig	chr17_7929819
chr10	49679532	49679532	+	4.01E-22	1.1573E-20	0.259845	hyper	sig	chr10_49679532
chr3	27730226	27730226	+	4.012E-22	1.1577E-20	0.223778	hyper	sig	chr3_27730226
chr1	2.29E+08	229434053	+	4.017E-22	1.159E-20	0.26759	hyper	sig	chr1_229434053
chr4	1.07E+08	107037324	+	4.021E-22	1.1602E-20	0.292043	hyper	sig	chr4_107037324
chr9	1.36E+08	136342336	+	4.022E-22	1.1604E-20	0.336736	hyper	sig	chr9_136342336
chr12	1.3E+08	130042387	+	4.025E-22	1.1614E-20	0.271344	hyper	sig	chr12_130042387
chr17	77309627	77309627	+	4.027E-22	1.1618E-20	0.322411	hyper	sig	chr17_77309627
chr15	59994979	59994979	+	4.027E-22	1.1619E-20	0.255458	hyper	sig	chr15_59994979
chr12	53955490	53955490	+	4.029E-22	1.1623E-20	0.353047	hyper	sig	chr12_53955490
chr1	2.08E+08	207645104	+	4.037E-22	1.1645E-20	0.226533	hyper	sig	chr1_207645104
chr11	67270969	67270969	+	4.041E-22	1.1655E-20	-0.3037	hypo	sig	chr11_67270969
chr19	15471973	15471973	+	4.043E-22	1.1661E-20	0.283715	hyper	sig	chr19_15471973
chr17	62667340	62667340	+	4.044E-22	1.1665E-20	-0.36667	hypo	sig	chr17_62667340
chr6	10422123	10422123	+	4.046E-22	1.1669E-20	0.406475	hyper	sig	chr6_10422123
chr5	1.35E+08	135028283	+	4.051E-22	1.1684E-20	0.3481	hyper	sig	chr5_135028283
chr8	37899881	37899881	+	4.052E-22	1.1686E-20	-0.22264	hypo	sig	chr8_37899881
chr5	1.42E+08	142314321	+	4.054E-22	1.1692E-20	0.256662	hyper	sig	chr5_142314321
chr5	1.41E+08	141188740	+	4.061E-22	1.171E-20	0.354332	hyper	sig	chr5_141188740
chr2	5696198	5696198	+	4.062E-22	1.1714E-20	0.341402	hyper	sig	chr2_5696198
chr7	91265819	91265819	+	4.063E-22	1.1715E-20	0.341261	hyper	sig	chr7_91265819
chr8	1.41E+08	141223305	+	4.064E-22	1.1717E-20	-0.23451	hypo	sig	chr8_141223305
chr8	39314527	39314527	+	4.065E-22	1.1721E-20	0.29363	hyper	sig	chr8_39314527
chr3	1.33E+08	133038897	+	4.068E-22	1.1728E-20	0.3018	hyper	sig	chr3_133038897
chr12	1.17E+08	116559094	+	4.073E-22	1.1743E-20	-0.24517	hypo	sig	chr12_116559094
chr2	26688866	26688866	+	4.074E-22	1.1745E-20	-0.29821	hypo	sig	chr2_26688866
chr15	98505726	98505726	+	4.076E-22	1.1752E-20	-0.33222	hypo	sig	chr15_98505726
chr19	55647904	55647904	+	4.076E-22	1.1752E-20	0.202657	hyper	sig	chr19_55647904
chr3	47424779	47424779	+	4.079E-22	1.176E-20	-0.32005	hypo	sig	chr3_47424779
chr2	96527893	96527893	+	4.08E-22	1.1761E-20	0.308804	hyper	sig	chr2_96527893
chr3	1.88E+08	187670342	+	4.081E-22	1.1765E-20	0.29389	hyper	sig	chr3_187670342
chr1	43565525	43565525	+	4.084E-22	1.1773E-20	0.292788	hyper	sig	chr1_43565525
chr5	1.29E+08	128537910	+	4.089E-22	1.1787E-20	0.338824	hyper	sig	chr5_128537910
chr4	41747783	41747783	+	4.096E-22	1.1807E-20	0.383092	hyper	sig	chr4_41747783
chr8	48581321	48581321	+	4.101E-22	1.1821E-20	0.293219	hyper	sig	chr8_48581321
chr16	31000942	31000942	+	4.107E-22	1.1838E-20	-0.35248	hypo	sig	chr16_31000942
chr20	17226054	17226054	+	4.108E-22	1.1839E-20	0.283446	hyper	sig	chr20_17226054
chr7	94394998	94394998	+	4.108E-22	1.1839E-20	0.339363	hyper	sig	chr7_94394998
chr3	13610232	13610232	+	4.113E-22	1.1853E-20	-0.39358	hypo	sig	chr3_13610232
chr14	1.01E+08	101064596	+	4.116E-22	1.1862E-20	-0.33987	hypo	sig	chr14_101064596
chr16	86670926	86670926	+	4.118E-22	1.1866E-20	0.273938	hyper	sig	chr16_86670926
chr13	1.11E+08	110954913	+	4.122E-22	1.1879E-20	-0.42354	hypo	sig	chr13_110954913
chr4	1.9E+08	190017937	+	4.127E-22	1.1893E-20	0.261178	hyper	sig	chr4_190017937
chr5	64506646	64506646	+	4.139E-22	1.1924E-20	0.200869	hyper	sig	chr5_64506646
chr1	2E+08	200038909	+	4.139E-22	1.1925E-20	0.317415	hyper	sig	chr1_200038909
chr2	2.32E+08	232351399	+	4.14E-22	1.1928E-20	0.237044	hyper	sig	chr2_232351399
chr2	70889653	70889653	+	4.142E-22	1.1932E-20	0.286163	hyper	sig	chr2_70889653
chr1	1.57E+08	156646832	+	4.15E-22	1.1956E-20	0.407405	hyper	sig	chr1_156646832
chr1	34165243	34165243	+	4.154E-22	1.1967E-20	0.26222	hyper	sig	chr1_34165243
chr4	92303857	92303857	+	4.156E-22	1.1971E-20	0.214385	hyper	sig	chr4_92303857
chr1	34165221	34165221	+	4.158E-22	1.1978E-20	0.251563	hyper	sig	chr1_34165221

chr19	33623381	33623381	+	4.161E-22	1.1984E-20	0.27957	hyper	sig	chr19_33623381
chr2	26693615	26693615	+	4.161E-22	1.1984E-20	0.24134	hyper	sig	chr2_26693615
chr1	2476279	2476279	+	4.163E-22	1.1989E-20	-0.33297	hypo	sig	chr1_2476279
chr6	30127490	30127490	+	4.168E-22	1.2003E-20	0.287809	hyper	sig	chr6_30127490
chr14	56799192	56799192	+	4.169E-22	1.2007E-20	0.315638	hyper	sig	chr14_56799192
chr22	45212857	45212857	+	4.172E-22	1.2014E-20	0.348315	hyper	sig	chr22_45212857
chr3	1.43E+08	142964357	+	4.175E-22	1.2022E-20	0.415819	hyper	sig	chr3_142964357
chr10	1.24E+08	123666109	+	4.181E-22	1.2038E-20	0.304332	hyper	sig	chr10_123666109
chr2	10054588	10054588	+	4.181E-22	1.204E-20	0.283209	hyper	sig	chr2_10054588
chr11	18209256	18209256	+	4.185E-22	1.205E-20	0.352833	hyper	sig	chr11_18209256
chr2	1.39E+08	138780173	+	4.186E-22	1.2051E-20	0.270096	hyper	sig	chr2_138780173
chr17	7478303	7478303	+	4.187E-22	1.2055E-20	0.338927	hyper	sig	chr17_7478303
chr7	1.56E+08	155951799	+	4.187E-22	1.2055E-20	-0.29456	hypo	sig	chr7_155951799
chr8	54454958	54454958	+	4.194E-22	1.2075E-20	0.270369	hyper	sig	chr8_54454958
chr5	1.41E+08	141419411	+	4.196E-22	1.2078E-20	0.297422	hyper	sig	chr5_141419411
chr2	1.61E+08	161426651	+	4.197E-22	1.2081E-20	0.301866	hyper	sig	chr2_161426651
chr4	1.74E+08	173519452	+	4.202E-22	1.2095E-20	0.308596	hyper	sig	chr4_173519452
chr17	81158209	81158209	+	4.214E-22	1.213E-20	-0.25322	hypo	sig	chr17_81158209
chr6	1.68E+08	167815803	+	4.215E-22	1.2132E-20	-0.35164	hypo	sig	chr6_167815803
chr19	55087134	55087134	+	4.216E-22	1.2135E-20	0.238547	hyper	sig	chr19_55087134
chr7	1.01E+08	100874613	+	4.219E-22	1.2142E-20	0.288582	hyper	sig	chr7_100874613
chr17	80478248	80478248	+	4.219E-22	1.2143E-20	0.328198	hyper	sig	chr17_80478248
chr19	18650788	18650788	+	4.22E-22	1.2143E-20	0.380273	hyper	sig	chr19_18650788
chr2	2.37E+08	237489548	+	4.222E-22	1.2149E-20	-0.27664	hypo	sig	chr2_237489548
chr1	1.65E+08	164576529	+	4.222E-22	1.215E-20	0.342683	hyper	sig	chr1_164576529
chr1	1006818	1006818	+	4.232E-22	1.2177E-20	-0.27295	hypo	sig	chr1_1006818
chr8	57142629	57142629	+	4.235E-22	1.2186E-20	0.398364	hyper	sig	chr8_57142629
chr11	3167948	3167948	+	4.238E-22	1.2193E-20	-0.28634	hypo	sig	chr11_3167948
chr2	1.92E+08	192196063	+	4.239E-22	1.2198E-20	0.235813	hyper	sig	chr2_192196063
chr20	25081145	25081145	+	4.243E-22	1.2207E-20	0.393127	hyper	sig	chr20_25081145
chr6	84775145	84775145	+	4.243E-22	1.2207E-20	0.306905	hyper	sig	chr6_84775145
chr16	86495356	86495356	+	4.244E-22	1.2211E-20	0.359463	hyper	sig	chr16_86495356
chr5	71719655	71719655	+	4.248E-22	1.222E-20	0.348245	hyper	sig	chr5_71719655
chr16	66873557	66873557	+	4.249E-22	1.2222E-20	-0.25205	hypo	sig	chr16_66873557
chr17	82342427	82342427	+	4.256E-22	1.2244E-20	-0.27165	hypo	sig	chr17_82342427
chr20	56925614	56925614	+	4.256E-22	1.2244E-20	0.332573	hyper	sig	chr20_56925614
chr7	94394942	94394942	+	4.258E-22	1.2249E-20	0.253575	hyper	sig	chr7_94394942
chr6	1.17E+08	117481477	+	4.259E-22	1.2252E-20	-0.23894	hypo	sig	chr6_117481477
chr1	27725264	27725264	+	4.261E-22	1.2254E-20	-0.2741	hypo	sig	chr1_27725264
chr1	44261352	44261352	+	4.262E-22	1.2259E-20	-0.30484	hypo	sig	chr1_44261352
chr3	1.95E+08	194687081	+	4.263E-22	1.2261E-20	0.209919	hyper	sig	chr3_194687081
chr1	1.81E+08	181483605	+	4.272E-22	1.2285E-20	0.249872	hyper	sig	chr1_181483605
chr3	1.4E+08	139539825	+	4.273E-22	1.2288E-20	0.232162	hyper	sig	chr3_139539825
chr7	1.28E+08	128201715	+	4.273E-22	1.2288E-20	0.300316	hyper	sig	chr7_128201715
chr20	56003871	56003871	+	4.278E-22	1.2302E-20	0.339527	hyper	sig	chr20_56003871
chr4	1.13E+08	112520563	+	4.28E-22	1.2307E-20	0.232967	hyper	sig	chr4_112520563
chr17	48551944	48551944	+	4.282E-22	1.2313E-20	0.289773	hyper	sig	chr17_48551944
chr1	68050189	68050189	+	4.29E-22	1.2336E-20	-0.30888	hypo	sig	chr1_68050189
chr12	1.32E+08	132426381	+	4.291E-22	1.2336E-20	-0.29776	hypo	sig	chr12_132426381
chr1	1.72E+08	171841198	+	4.291E-22	1.2337E-20	0.218661	hyper	sig	chr1_171841198
chr9	3181080	3181080	+	4.297E-22	1.2352E-20	0.289419	hyper	sig	chr9_3181080
chr1	2E+08	200042283	+	4.298E-22	1.2356E-20	0.256257	hyper	sig	chr1_200042283
chr11	1.25E+08	124739458	+	4.306E-22	1.2378E-20	0.281161	hyper	sig	chr11_124739458
chr3	62377490	62377490	+	4.312E-22	1.2394E-20	0.347697	hyper	sig	chr3_62377490
chr7	1.56E+08	155998297	+	4.314E-22	1.2402E-20	-0.33462	hypo	sig	chr7_155998297
chr7	1.22E+08	122310196	+	4.319E-22	1.2414E-20	0.266057	hyper	sig	chr7_122310196

chr13	1.11E+08	111410335	+	4.326E-22	1.2434E-20	-0.35266	hypo	sig	chr13_111410335
chr16	29157409	29157409	+	4.336E-22	1.2461E-20	-0.3172	hypo	sig	chr16_29157409
chr1	1.55E+08	155321456	+	4.338E-22	1.2468E-20	0.320712	hyper	sig	chr1_155321456
chr2	44934144	44934144	+	4.344E-22	1.2484E-20	0.366013	hyper	sig	chr2_44934144
chr13	1.13E+08	113405907	+	4.346E-22	1.2487E-20	-0.40549	hypo	sig	chr13_113405907
chr16	66948847	66948847	+	4.346E-22	1.2489E-20	0.321912	hyper	sig	chr16_66948847
chr15	82043624	82043624	+	4.348E-22	1.2492E-20	0.334789	hyper	sig	chr15_82043624
chr7	97007468	97007468	+	4.35E-22	1.2498E-20	0.319445	hyper	sig	chr7_97007468
chr7	90119797	90119797	+	4.354E-22	1.2508E-20	0.208	hyper	sig	chr7_90119797
chr16	31529836	31529836	+	4.355E-22	1.2513E-20	0.235971	hyper	sig	chr16_31529836
chr11	2314836	2314836	+	4.358E-22	1.2519E-20	0.274403	hyper	sig	chr11_2314836
chr1	1.47E+08	147072788	+	4.373E-22	1.2563E-20	0.348964	hyper	sig	chr1_147072788
chr5	1.41E+08	141428184	+	4.392E-22	1.2617E-20	0.314046	hyper	sig	chr5_141428184
chr9	1.34E+08	133918281	+	4.393E-22	1.2619E-20	0.33449	hyper	sig	chr9_133918281
chr8	52564392	52564392	+	4.395E-22	1.2624E-20	0.379891	hyper	sig	chr8_52564392
chr20	38674377	38674377	+	4.402E-22	1.2644E-20	0.361265	hyper	sig	chr20_38674377
chr10	93065884	93065884	+	4.406E-22	1.2654E-20	0.289076	hyper	sig	chr10_93065884
chr5	32445320	32445320	+	4.406E-22	1.2655E-20	-0.25972	hypo	sig	chr5_32445320
chr8	92095166	92095166	+	4.407E-22	1.2658E-20	0.279306	hyper	sig	chr8_92095166
chr21	43720543	43720543	+	4.412E-22	1.267E-20	-0.27336	hypo	sig	chr21_43720543
chr19	16283555	16283555	+	4.423E-22	1.2702E-20	0.321888	hyper	sig	chr19_16283555
chr9	1.37E+08	136850186	+	4.424E-22	1.2703E-20	0.292132	hyper	sig	chr9_136850186
chr6	1.53E+08	152637336	+	4.425E-22	1.2708E-20	0.246894	hyper	sig	chr6_152637336
chr16	1109781	1109781	+	4.426E-22	1.2709E-20	-0.31925	hypo	sig	chr16_1109781
chr5	1.41E+08	141156734	+	4.43E-22	1.2722E-20	0.284102	hyper	sig	chr5_141156734
chr8	13566859	13566859	+	4.431E-22	1.2722E-20	0.224127	hyper	sig	chr8_13566859
chr1	2.03E+08	203223527	+	4.435E-22	1.2733E-20	-0.24872	hypo	sig	chr1_203223527
chr19	40568100	40568100	+	4.435E-22	1.2733E-20	0.279044	hyper	sig	chr19_40568100
chr13	36155052	36155052	+	4.436E-22	1.2735E-20	0.340386	hyper	sig	chr13_36155052
chr10	1.01E+08	101223756	+	4.438E-22	1.2741E-20	0.280847	hyper	sig	chr10_101223756
chr3	62374082	62374082	+	4.439E-22	1.2742E-20	0.274443	hyper	sig	chr3_62374082
chr7	1.55E+08	155462718	+	4.439E-22	1.2742E-20	0.372924	hyper	sig	chr7_155462718
chr3	33218428	33218428	+	4.441E-22	1.2748E-20	0.330118	hyper	sig	chr3_33218428
chr6	34238873	34238873	+	4.445E-22	1.2759E-20	-0.31606	hypo	sig	chr6_34238873
chr4	17515971	17515971	+	4.446E-22	1.2763E-20	-0.2633	hypo	sig	chr4_17515971
chr11	83790789	83790789	+	4.447E-22	1.2766E-20	-0.26355	hypo	sig	chr11_83790789
chr19	22634646	22634646	+	4.448E-22	1.2767E-20	0.295186	hyper	sig	chr19_22634646
chr8	27987760	27987760	+	4.448E-22	1.2767E-20	-0.29693	hypo	sig	chr8_27987760
chr6	28091024	28091024	+	4.45E-22	1.2771E-20	0.315048	hyper	sig	chr6_28091024
chr17	48551057	48551057	+	4.452E-22	1.2777E-20	0.367629	hyper	sig	chr17_48551057
chr19	7879984	7879984	+	4.452E-22	1.2777E-20	-0.26878	hypo	sig	chr19_7879984
chr9	970596	970596	+	4.457E-22	1.2789E-20	0.284003	hyper	sig	chr9_970596
chr2	74648355	74648355	+	4.46E-22	1.2799E-20	0.375318	hyper	sig	chr2_74648355
chr7	1.55E+08	155373499	+	4.461E-22	1.2799E-20	0.284523	hyper	sig	chr7_155373499
chr17	67247003	67247003	+	4.462E-22	1.2804E-20	-0.33187	hypo	sig	chr17_67247003
chr2	1.71E+08	171327396	+	4.467E-22	1.2817E-20	0.229857	hyper	sig	chr2_171327396
chr13	36346477	36346477	+	4.472E-22	1.2829E-20	0.210245	hyper	sig	chr13_36346477
chr1	2.02E+08	202122839	+	4.475E-22	1.2839E-20	0.317768	hyper	sig	chr1_202122839
chr5	1.59E+08	159097396	+	4.476E-22	1.2839E-20	0.333665	hyper	sig	chr5_159097396
chr6	30685879	30685879	+	4.475E-22	1.2839E-20	0.282651	hyper	sig	chr6_30685879
chr1	2.21E+08	220880441	+	4.476E-22	1.284E-20	0.287936	hyper	sig	chr1_220880441
chr1	1.52E+08	151994487	+	4.48E-22	1.285E-20	-0.26868	hypo	sig	chr1_151994487
chr4	1.11E+08	110639306	+	4.485E-22	1.2864E-20	0.407953	hyper	sig	chr4_110639306
chr12	75209339	75209339	+	4.487E-22	1.287E-20	0.361291	hyper	sig	chr12_75209339
chr3	87052278	87052278	+	4.489E-22	1.2875E-20	-0.29514	hypo	sig	chr3_87052278
chr6	1.37E+08	136920813	+	4.491E-22	1.2881E-20	0.21031	hyper	sig	chr6_136920813

chr8	71843591	71843591	+	4.492E-22	1.2883E-20	0.299568	hyper	sig	chr8_71843591
chr16	1266509	1266509	+	4.498E-22	1.2901E-20	-0.26751	hypo	sig	chr16_1266509
chr12	6914188	6914188	+	4.501E-22	1.2908E-20	0.271371	hyper	sig	chr12_6914188
chr5	88685238	88685238	+	4.501E-22	1.2909E-20	0.203377	hyper	sig	chr5_88685238
chr2	1.3E+08	129587475	+	4.503E-22	1.2913E-20	0.321265	hyper	sig	chr2_129587475
chr10	7408420	7408420	+	4.504E-22	1.2914E-20	0.26515	hyper	sig	chr10_7408420
chr12	1.13E+08	113467339	+	4.514E-22	1.2944E-20	0.218774	hyper	sig	chr12_113467339
chr8	1454884	1454884	+	4.519E-22	1.2958E-20	-0.39797	hypo	sig	chr8_1454884
chr12	81077754	81077754	+	4.524E-22	1.2971E-20	0.254447	hyper	sig	chr12_81077754
chr4	1.4E+08	140426889	+	4.526E-22	1.2977E-20	0.282986	hyper	sig	chr4_140426889
chr2	5696124	5696124	+	4.531E-22	1.2991E-20	0.307116	hyper	sig	chr2_5696124
chr14	50007772	50007772	+	4.533E-22	1.2996E-20	-0.35474	hypo	sig	chr14_50007772
chr7	56116185	56116185	+	4.545E-22	1.303E-20	0.246464	hyper	sig	chr7_56116185
chr2	89610355	89610355	+	4.547E-22	1.3036E-20	-0.28734	hypo	sig	chr2_89610355
chr5	1.35E+08	135028245	+	4.554E-22	1.3054E-20	0.369057	hyper	sig	chr5_135028245
chr1	1.11E+08	111271204	+	4.554E-22	1.3056E-20	0.33001	hyper	sig	chr1_111271204
chr11	68118152	68118152	+	4.555E-22	1.3057E-20	0.309901	hyper	sig	chr11_68118152
chr7	772034	772034	+	4.556E-22	1.3058E-20	0.222958	hyper	sig	chr7_772034
chr1	1.65E+08	165355243	+	4.556E-22	1.3059E-20	0.371547	hyper	sig	chr1_165355243
chr22	31281950	31281950	+	4.557E-22	1.306E-20	0.229256	hyper	sig	chr22_31281950
chr7	97002626	97002626	+	4.563E-22	1.3078E-20	0.359367	hyper	sig	chr7_97002626
chr10	1.34E+08	133523910	+	4.568E-22	1.3093E-20	-0.31048	hypo	sig	chr10_133523910
chr8	52940078	52940078	+	4.573E-22	1.3105E-20	0.3253	hyper	sig	chr8_52940078
chr3	12987132	12987132	+	4.573E-22	1.3106E-20	-0.2459	hypo	sig	chr3_12987132
chr1	2.35E+08	234612042	+	4.576E-22	1.3112E-20	-0.24193	hypo	sig	chr1_234612042
chr6	28825904	28825904	+	4.576E-22	1.3112E-20	0.243159	hyper	sig	chr6_28825904
chr3	1.56E+08	155745880	+	4.581E-22	1.3127E-20	-0.29361	hypo	sig	chr3_155745880
chr10	1.01E+08	101227652	+	4.584E-22	1.3133E-20	0.227321	hyper	sig	chr10_101227652
chr13	41546540	41546540	+	4.585E-22	1.3137E-20	-0.30575	hypo	sig	chr13_41546540
chr6	1.59E+08	159168899	+	4.604E-22	1.319E-20	0.238117	hyper	sig	chr6_159168899
chr5	45695139	45695139	+	4.609E-22	1.3203E-20	0.326056	hyper	sig	chr5_45695139
chr16	73064884	73064884	+	4.613E-22	1.3215E-20	-0.27957	hypo	sig	chr16_73064884
chr20	63952263	63952263	+	4.614E-22	1.3218E-20	0.263347	hyper	sig	chr20_63952263
chr4	1.51E+08	150582965	+	4.622E-22	1.324E-20	0.362932	hyper	sig	chr4_150582965
chr19	53058292	53058292	+	4.623E-22	1.3242E-20	0.382944	hyper	sig	chr19_53058292
chr1	75131228	75131228	+	4.63E-22	1.3261E-20	0.275692	hyper	sig	chr1_75131228
chr17	19418823	19418823	+	4.63E-22	1.3261E-20	-0.26142	hypo	sig	chr17_19418823
chr2	1.31E+08	131034458	+	4.633E-22	1.3268E-20	0.205458	hyper	sig	chr2_131034458
chr10	69417130	69417130	+	4.634E-22	1.3271E-20	0.338124	hyper	sig	chr10_69417130
chr4	1.09E+08	109302259	+	4.645E-22	1.3302E-20	0.27216	hyper	sig	chr4_109302259
chr14	36517199	36517199	+	4.648E-22	1.331E-20	0.32139	hyper	sig	chr14_36517199
chr11	269468	269468	+	4.649E-22	1.3311E-20	-0.27564	hypo	sig	chr11_269468
chr2	2.31E+08	230869880	+	4.651E-22	1.3318E-20	0.28307	hyper	sig	chr2_230869880
chr2	44945113	44945113	+	4.656E-22	1.3331E-20	0.320729	hyper	sig	chr2_44945113
chr15	40106803	40106803	+	4.658E-22	1.3337E-20	-0.25973	hypo	sig	chr15_40106803
chr4	1.11E+08	110628896	+	4.66E-22	1.3341E-20	0.279183	hyper	sig	chr4_110628896
chr5	1.73E+08	173244807	+	4.661E-22	1.3345E-20	0.397736	hyper	sig	chr5_173244807
chr5	1.71E+08	171315346	+	4.666E-22	1.3357E-20	0.289215	hyper	sig	chr5_171315346
chr17	50469264	50469264	+	4.666E-22	1.3359E-20	0.269637	hyper	sig	chr17_50469264
chr5	79690047	79690047	+	4.667E-22	1.336E-20	0.403232	hyper	sig	chr5_79690047
chr19	57934974	57934974	+	4.668E-22	1.3362E-20	0.374328	hyper	sig	chr19_57934974
chr11	64972016	64972016	+	4.673E-22	1.3377E-20	0.285291	hyper	sig	chr11_64972016
chr16	2124722	2124722	+	4.674E-22	1.3378E-20	0.315495	hyper	sig	chr16_2124722
chr13	54829647	54829647	+	4.68E-22	1.3395E-20	-0.30954	hypo	sig	chr13_54829647
chr6	86937056	86937056	+	4.685E-22	1.3408E-20	0.341727	hyper	sig	chr6_86937056
chr22	50039815	50039815	+	4.685E-22	1.3408E-20	-0.26013	hypo	sig	chr22_50039815

chr15	25727294	25727294	+	4.689E-22	1.342E-20	-0.27614	hypo	sig	chr15_25727294
chr12	1.32E+08	132210275	+	4.69E-22	1.3421E-20	-0.41849	hypo	sig	chr12_132210275
chr8	41193115	41193115	+	4.703E-22	1.3459E-20	-0.2893	hypo	sig	chr8_41193115
chr9	1.3E+08	129669275	+	4.709E-22	1.3475E-20	-0.32849	hypo	sig	chr9_129669275
chr2	38515686	38515686	+	4.713E-22	1.3485E-20	0.281813	hyper	sig	chr2_38515686
chr12	54100789	54100789	+	4.715E-22	1.3492E-20	-0.32476	hypo	sig	chr12_54100789
chr1	1.19E+08	118984557	+	4.716E-22	1.3494E-20	0.256844	hyper	sig	chr1_118984557
chr19	9498599	9498599	+	4.717E-22	1.3496E-20	0.349276	hyper	sig	chr19_9498599
chr8	96160264	96160264	+	4.719E-22	1.3501E-20	0.269193	hyper	sig	chr8_96160264
chr6	16337690	16337690	+	4.721E-22	1.3506E-20	0.301419	hyper	sig	chr6_16337690
chr10	1.01E+08	100830600	+	4.722E-22	1.3508E-20	0.291304	hyper	sig	chr10_100830600
chr16	84795317	84795317	+	4.722E-22	1.3508E-20	0.280535	hyper	sig	chr16_84795317
chr5	1.41E+08	141389509	+	4.726E-22	1.352E-20	0.290897	hyper	sig	chr5_141389509
chr16	86498800	86498800	+	4.729E-22	1.3527E-20	0.309742	hyper	sig	chr16_86498800
chr2	1.37E+08	136766074	+	4.729E-22	1.3527E-20	0.289235	hyper	sig	chr2_136766074
chr13	1.08E+08	107868683	+	4.733E-22	1.3537E-20	0.335158	hyper	sig	chr13_107868683
chr3	1.72E+08	172450054	+	4.736E-22	1.3547E-20	0.344338	hyper	sig	chr3_172450054
chr16	10183409	10183409	+	4.737E-22	1.3549E-20	0.218674	hyper	sig	chr16_10183409
chr5	1.41E+08	141234758	+	4.745E-22	1.357E-20	0.332207	hyper	sig	chr5_141234758
chr3	1.54E+08	154122762	+	4.747E-22	1.3575E-20	0.248157	hyper	sig	chr3_154122762
chr1	1.59E+08	159188608	+	4.759E-22	1.3609E-20	0.361021	hyper	sig	chr1_159188608
chr7	1.01E+08	101269879	+	4.765E-22	1.3627E-20	-0.25325	hypo	sig	chr7_101269879
chr20	48827308	48827308	+	4.768E-22	1.3634E-20	0.217049	hyper	sig	chr20_48827308
chr10	1.24E+08	124381257	+	4.774E-22	1.3651E-20	-0.30901	hypo	sig	chr10_124381257
chr19	22259659	22259659	+	4.775E-22	1.3653E-20	-0.30206	hypo	sig	chr19_22259659
chr13	1.12E+08	112247629	+	4.776E-22	1.3657E-20	-0.25832	hypo	sig	chr13_112247629
chr5	1.81E+08	181114859	+	4.782E-22	1.3672E-20	0.310248	hyper	sig	chr5_181114859
chr10	3288359	3288359	+	4.783E-22	1.3674E-20	-0.32235	hypo	sig	chr10_3288359
chr1	54548337	54548337	+	4.796E-22	1.3712E-20	0.382437	hyper	sig	chr1_54548337
chr5	33936077	33936077	+	4.799E-22	1.3721E-20	0.245242	hyper	sig	chr5_33936077
chr16	1461201	1461201	+	4.802E-22	1.3728E-20	0.244406	hyper	sig	chr16_1461201
chr2	5692832	5692832	+	4.803E-22	1.3731E-20	0.368143	hyper	sig	chr2_5692832
chr17	78890858	78890858	+	4.805E-22	1.3736E-20	-0.32301	hypo	sig	chr17_78890858
chr8	26051947	26051947	+	4.815E-22	1.3763E-20	0.275467	hyper	sig	chr8_26051947
chr19	51026714	51026714	+	4.816E-22	1.3767E-20	-0.3439	hypo	sig	chr19_51026714
chr1	47445182	47445182	+	4.818E-22	1.3772E-20	0.200425	hyper	sig	chr1_47445182
chr6	71421004	71421004	+	4.818E-22	1.3772E-20	0.251823	hyper	sig	chr6_71421004
chr22	16962744	16962744	+	4.837E-22	1.3824E-20	-0.30249	hypo	sig	chr22_16962744
chr1	63777289	63777289	+	4.837E-22	1.3825E-20	-0.29792	hypo	sig	chr1_63777289
chr16	165484	165484	+	4.84E-22	1.3833E-20	0.233988	hyper	sig	chr16_165484
chr2	2.32E+08	232486302	+	4.852E-22	1.3865E-20	0.266995	hyper	sig	chr2_232486302
chr5	1.41E+08	141365305	+	4.859E-22	1.3884E-20	0.292162	hyper	sig	chr5_141365305
chr13	1.12E+08	112013816	+	4.863E-22	1.3897E-20	-0.3661	hypo	sig	chr13_112013816
chr6	1.1E+08	110358621	+	4.87E-22	1.3914E-20	0.275714	hyper	sig	chr6_110358621
chr1	2.45E+08	245336459	+	4.876E-22	1.3932E-20	-0.31936	hypo	sig	chr1_245336459
chr5	1.14E+08	114055940	+	4.877E-22	1.3934E-20	0.314142	hyper	sig	chr5_114055940
chr22	46085112	46085112	+	4.877E-22	1.3934E-20	-0.40346	hypo	sig	chr22_46085112
chr4	1.77E+08	176792179	+	4.88E-22	1.3942E-20	0.298559	hyper	sig	chr4_176792179
chr1	1.21E+08	121007077	+	4.884E-22	1.3954E-20	0.300498	hyper	sig	chr1_121007077
chr8	52099961	52099961	+	4.888E-22	1.3962E-20	0.278568	hyper	sig	chr8_52099961
chr6	1.06E+08	105981190	+	4.888E-22	1.3962E-20	0.350894	hyper	sig	chr6_105981190
chr3	1.38E+08	138101858	+	4.893E-22	1.3977E-20	-0.27348	hypo	sig	chr3_138101858
chr9	1.33E+08	132586583	+	4.895E-22	1.3982E-20	0.343452	hyper	sig	chr9_132586583
chr6	62285960	62285960	+	4.896E-22	1.3985E-20	0.364259	hyper	sig	chr6_62285960
chr2	2.22E+08	222299065	+	4.897E-22	1.3986E-20	0.240708	hyper	sig	chr2_222299065
chr16	70686529	70686529	+	4.899E-22	1.3991E-20	0.276649	hyper	sig	chr16_70686529

chr19	9498638	9498638	+	4.901E-22	1.3996E-20	0.265271	hyper	sig	chr19_9498638
chr12	1.07E+08	106585135	+	4.914E-22	1.4034E-20	0.26921	hyper	sig	chr12_106585135
chr5	1.33E+08	132822960	+	4.914E-22	1.4034E-20	0.291308	hyper	sig	chr5_132822960
chr16	3184324	3184324	+	4.915E-22	1.4034E-20	0.298603	hyper	sig	chr16_3184324
chr2	38515652	38515652	+	4.917E-22	1.4042E-20	0.282975	hyper	sig	chr2_38515652
chr6	1.08E+08	108174413	+	4.92E-22	1.4048E-20	0.262232	hyper	sig	chr6_108174413
chr12	1.24E+08	124455015	+	4.923E-22	1.4056E-20	0.396981	hyper	sig	chr12_124455015
chr8	38721284	38721284	+	4.926E-22	1.4065E-20	-0.29885	hypo	sig	chr8_38721284
chr18	57440055	57440055	+	4.933E-22	1.4085E-20	0.247028	hyper	sig	chr18_57440055
chr1	1.21E+08	121007072	+	4.935E-22	1.4089E-20	0.301246	hyper	sig	chr1_121007072
chr17	81978707	81978707	+	4.938E-22	1.4097E-20	-0.34847	hypo	sig	chr17_81978707
chr5	38258742	38258742	+	4.94E-22	1.4102E-20	0.271531	hyper	sig	chr5_38258742
chr7	19118495	19118495	+	4.942E-22	1.4106E-20	0.310392	hyper	sig	chr7_19118495
chr1	31939789	31939789	+	4.952E-22	1.4137E-20	-0.37989	hypo	sig	chr1_31939789
chr12	1.14E+08	114409696	+	4.954E-22	1.414E-20	0.234137	hyper	sig	chr12_114409696
chr12	1.03E+08	102958688	+	4.958E-22	1.4152E-20	0.205287	hyper	sig	chr12_102958688
chr10	1.03E+08	103276929	+	4.958E-22	1.4153E-20	0.248941	hyper	sig	chr10_103276929
chr9	3181039	3181039	+	4.966E-22	1.4174E-20	0.239961	hyper	sig	chr9_3181039
chr1	6276427	6276427	+	4.969E-22	1.4181E-20	0.342042	hyper	sig	chr1_6276427
chr11	1.29E+08	128689290	+	4.973E-22	1.4193E-20	0.381787	hyper	sig	chr11_128689290
chr2	96986028	96986028	+	4.973E-22	1.4193E-20	0.342036	hyper	sig	chr2_96986028
chr13	1.11E+08	110628836	+	4.983E-22	1.4219E-20	0.22068	hyper	sig	chr13_110628836
chr13	1.01E+08	101416770	+	4.988E-22	1.4235E-20	0.220062	hyper	sig	chr13_101416770
chr2	5696148	5696148	+	4.99E-22	1.4239E-20	0.305004	hyper	sig	chr2_5696148
chr3	10993313	10993313	+	4.991E-22	1.4241E-20	0.266721	hyper	sig	chr3_10993313
chr6	1.06E+08	105986521	+	5.002E-22	1.4271E-20	0.251864	hyper	sig	chr6_105986521
chr5	172930	172930	+	5.004E-22	1.4277E-20	-0.39268	hypo	sig	chr5_172930
chr7	4136928	4136928	+	5.005E-22	1.4281E-20	-0.28014	hypo	sig	chr7_4136928
chr19	30226810	30226810	+	5.008E-22	1.429E-20	0.43754	hyper	sig	chr19_30226810
chr15	22262705	22262705	+	5.017E-22	1.4312E-20	-0.37439	hypo	sig	chr15_22262705
chr1	1.65E+08	164576508	+	5.038E-22	1.4372E-20	0.352547	hyper	sig	chr1_164576508
chr5	1.5E+08	150156176	+	5.042E-22	1.4384E-20	0.251345	hyper	sig	chr5_150156176
chr2	2.39E+08	239275456	+	5.045E-22	1.4391E-20	-0.27239	hypo	sig	chr2_239275456
chr16	57797896	57797896	+	5.054E-22	1.4416E-20	-0.33071	hypo	sig	chr16_57797896
chr1	1.57E+08	156647028	+	5.057E-22	1.4425E-20	0.308578	hyper	sig	chr1_156647028
chr10	23098590	23098590	+	5.065E-22	1.4446E-20	-0.26941	hypo	sig	chr10_23098590
chr13	27919252	27919252	+	5.069E-22	1.4458E-20	0.379793	hyper	sig	chr13_27919252
chr17	35487857	35487857	+	5.07E-22	1.4461E-20	0.226781	hyper	sig	chr17_35487857
chr12	1.11E+08	110686503	+	5.073E-22	1.4467E-20	-0.34781	hypo	sig	chr12_110686503
chr2	2.19E+08	219418192	+	5.078E-22	1.4482E-20	0.382809	hyper	sig	chr2_219418192
chr5	1190456	1190456	+	5.079E-22	1.4483E-20	0.270316	hyper	sig	chr5_1190456
chr5	38258751	38258751	+	5.085E-22	1.45E-20	0.261653	hyper	sig	chr5_38258751
chr3	48425291	48425291	+	5.097E-22	1.4535E-20	0.282938	hyper	sig	chr3_48425291
chr3	54121628	54121628	+	5.101E-22	1.4544E-20	0.208002	hyper	sig	chr3_54121628
chr2	2.22E+08	222424088	+	5.103E-22	1.4549E-20	-0.29956	hypo	sig	chr2_222424088
chr13	1.02E+08	101917204	+	5.11E-22	1.457E-20	0.301748	hyper	sig	chr13_101917204
chr6	10384960	10384960	+	5.124E-22	1.4608E-20	0.366005	hyper	sig	chr6_10384960
chr17	851056	851056	+	5.132E-22	1.4631E-20	0.283751	hyper	sig	chr17_851056
chr11	66267301	66267301	+	5.137E-22	1.4646E-20	0.3392	hyper	sig	chr11_66267301
chr6	1E+08	100458759	+	5.145E-22	1.4667E-20	0.332037	hyper	sig	chr6_100458759
chr9	1.37E+08	137078908	+	5.145E-22	1.4667E-20	0.320689	hyper	sig	chr9_137078908
chr2	1.19E+08	118849198	+	5.152E-22	1.4685E-20	0.228356	hyper	sig	chr2_118849198
chr4	84501277	84501277	+	5.153E-22	1.4689E-20	0.306554	hyper	sig	chr4_84501277
chr7	1.01E+08	101299828	+	5.155E-22	1.4694E-20	0.383682	hyper	sig	chr7_101299828
chr8	96495726	96495726	+	5.155E-22	1.4694E-20	0.308797	hyper	sig	chr8_96495726
chr11	1.16E+08	115660283	+	5.159E-22	1.4704E-20	0.212923	hyper	sig	chr11_115660283

chr12	1.1E+08	109545261	+	5.162E-22	1.4713E-20	-0.28016	hypo	sig	chr12_109545261
chr17	74114089	74114089	+	5.168E-22	1.4729E-20	0.371764	hyper	sig	chr17_74114089
chr13	1.1E+08	110129260	+	5.173E-22	1.474E-20	-0.26284	hypo	sig	chr13_110129260
chr12	1.29E+08	128854296	+	5.173E-22	1.4741E-20	0.303657	hyper	sig	chr12_128854296
chr1	1.19E+08	119008213	+	5.176E-22	1.4748E-20	0.284469	hyper	sig	chr1_119008213
chr22	32371070	32371070	+	5.186E-22	1.4778E-20	-0.28106	hypo	sig	chr22_32371070
chr8	97274641	97274641	+	5.189E-22	1.4785E-20	-0.36807	hypo	sig	chr8_97274641
chr19	57172481	57172481	+	5.195E-22	1.4802E-20	0.290141	hyper	sig	chr19_57172481
chr11	1.34E+08	134360530	+	5.196E-22	1.4804E-20	0.201147	hyper	sig	chr11_134360530
chr2	1.2E+08	120466183	+	5.205E-22	1.4829E-20	-0.22593	hypo	sig	chr2_120466183
chr6	761581	761581	+	5.208E-22	1.4837E-20	0.283717	hyper	sig	chr6_761581
chr2	2.38E+08	238226049	+	5.209E-22	1.4841E-20	0.256927	hyper	sig	chr2_238226049
chr13	19185280	19185280	+	5.221E-22	1.4872E-20	-0.24585	hypo	sig	chr13_19185280
chr13	25095904	25095904	+	5.223E-22	1.4877E-20	0.286199	hyper	sig	chr13_25095904
chr8	1.42E+08	142173399	+	5.225E-22	1.4883E-20	-0.31324	hypo	sig	chr8_142173399
chr8	42052807	42052807	+	5.228E-22	1.4891E-20	-0.33662	hypo	sig	chr8_42052807
chr3	9955268	9955268	+	5.229E-22	1.4894E-20	0.309525	hyper	sig	chr3_9955268
chr2	30230927	30230927	+	5.232E-22	1.4902E-20	0.433364	hyper	sig	chr2_30230927
chr14	1.01E+08	100769502	+	5.232E-22	1.4902E-20	-0.3289	hypo	sig	chr14_100769502
chr10	1.01E+08	101223678	+	5.237E-22	1.4916E-20	0.272508	hyper	sig	chr10_101223678
chr6	1.68E+08	168117048	+	5.242E-22	1.4928E-20	-0.22801	hypo	sig	chr6_168117048
chr4	3304978	3304978	+	5.244E-22	1.4935E-20	0.260195	hyper	sig	chr4_3304978
chr5	1.81E+08	181173933	+	5.247E-22	1.4942E-20	0.215493	hyper	sig	chr5_181173933
chr20	63494921	63494921	+	5.248E-22	1.4945E-20	-0.31969	hypo	sig	chr20_63494921
chr2	1.42E+08	142130191	+	5.25E-22	1.4948E-20	0.265209	hyper	sig	chr2_142130191
chr19	7676923	7676923	+	5.252E-22	1.4954E-20	-0.28989	hypo	sig	chr19_7676923
chr13	50132410	50132410	+	5.257E-22	1.4967E-20	0.347173	hyper	sig	chr13_50132410
chr19	46471815	46471815	+	5.259E-22	1.4974E-20	0.293862	hyper	sig	chr19_46471815
chr7	1.3E+08	130486756	+	5.259E-22	1.4974E-20	-0.25366	hypo	sig	chr7_130486756
chr1	2.43E+08	242524087	+	5.263E-22	1.4984E-20	0.363706	hyper	sig	chr1_242524087
chr13	1.12E+08	111893224	+	5.264E-22	1.4985E-20	0.375425	hyper	sig	chr13_111893224
chr10	93074800	93074800	+	5.268E-22	1.4995E-20	0.2097	hyper	sig	chr10_93074800
chr8	10729613	10729613	+	5.27E-22	1.5001E-20	0.293106	hyper	sig	chr8_10729613
chr5	3594064	3594064	+	5.273E-22	1.5008E-20	0.345653	hyper	sig	chr5_3594064
chr6	1.69E+08	168889229	+	5.273E-22	1.5009E-20	0.201475	hyper	sig	chr6_168889229
chr17	6655516	6655516	+	5.273E-22	1.5009E-20	0.285553	hyper	sig	chr17_6655516
chr12	1.19E+08	118980854	+	5.274E-22	1.501E-20	0.293931	hyper	sig	chr12_118980854
chr19	57320181	57320181	+	5.274E-22	1.501E-20	0.20084	hyper	sig	chr19_57320181
chr11	20669194	20669194	+	5.276E-22	1.5016E-20	0.31742	hyper	sig	chr11_20669194
chr1	929508	929508	+	5.279E-22	1.5024E-20	-0.31802	hypo	sig	chr1_929508
chr6	1.61E+08	160679403	+	5.281E-22	1.5029E-20	0.348773	hyper	sig	chr6_160679403
chr5	1.78E+08	178165679	+	5.292E-22	1.506E-20	0.507955	hyper	sig	chr5_178165679
chr11	628641	628641	+	5.3E-22	1.5081E-20	-0.27713	hypo	sig	chr11_628641
chr8	1.01E+08	101078087	+	5.3E-22	1.5081E-20	-0.31878	hypo	sig	chr8_101078087
chr19	57709078	57709078	+	5.308E-22	1.5103E-20	0.280044	hyper	sig	chr19_57709078
chr16	54289026	54289026	+	5.313E-22	1.5116E-20	0.307374	hyper	sig	chr16_54289026
chr19	58098231	58098231	+	5.314E-22	1.5119E-20	0.219548	hyper	sig	chr19_58098231
chr20	761079	761079	+	5.315E-22	1.5123E-20	0.331332	hyper	sig	chr20_761079
chr5	1.29E+08	128538935	+	5.321E-22	1.5137E-20	0.295831	hyper	sig	chr5_128538935
chr7	1.04E+08	104329019	+	5.321E-22	1.5138E-20	0.21576	hyper	sig	chr7_104329019
chr20	1000944	1000944	+	5.329E-22	1.5159E-20	-0.3051	hypo	sig	chr20_1000944
chr22	17371028	17371028	+	5.336E-22	1.5178E-20	0.265147	hyper	sig	chr22_17371028
chr20	51023517	51023517	+	5.337E-22	1.5181E-20	0.372297	hyper	sig	chr20_51023517
chr19	36792005	36792005	+	5.355E-22	1.523E-20	0.332316	hyper	sig	chr19_36792005
chr18	13868609	13868609	+	5.365E-22	1.526E-20	0.248465	hyper	sig	chr18_13868609
chr13	78596835	78596835	+	5.37E-22	1.5272E-20	0.288649	hyper	sig	chr13_78596835

chr7	31060198	31060198	+	5.372E-22	1.5279E-20	-0.3121	hypo	sig	chr7_31060198
chr7	1.37E+08	136871073	+	5.374E-22	1.5282E-20	0.342575	hyper	sig	chr7_136871073
chr8	88327897	88327897	+	5.374E-22	1.5283E-20	0.267894	hyper	sig	chr8_88327897
chr12	48184785	48184785	+	5.38E-22	1.53E-20	0.337959	hyper	sig	chr12_48184785
chr16	85845423	85845423	+	5.383E-22	1.5308E-20	0.327055	hyper	sig	chr16_85845423
chr2	2.39E+08	239247465	+	5.387E-22	1.5317E-20	-0.30359	hypo	sig	chr2_239247465
chr13	1.1E+08	110309481	+	5.402E-22	1.5359E-20	0.337323	hyper	sig	chr13_110309481
chr7	64877566	64877566	+	5.404E-22	1.5364E-20	0.339266	hyper	sig	chr7_64877566
chr13	25469034	25469034	+	5.411E-22	1.5383E-20	0.231306	hyper	sig	chr13_25469034
chr4	45567208	45567208	+	5.414E-22	1.5391E-20	-0.24595	hypo	sig	chr4_45567208
chr7	1538650	1538650	+	5.415E-22	1.5394E-20	0.385448	hyper	sig	chr7_1538650
chr6	1.38E+08	138105611	+	5.433E-22	1.5446E-20	-0.30192	hypo	sig	chr6_138105611
chr16	84832534	84832534	+	5.451E-22	1.5496E-20	0.277236	hyper	sig	chr16_84832534
chr13	1.08E+08	107867778	+	5.451E-22	1.5496E-20	0.328621	hyper	sig	chr13_107867778
chr1	2E+08	200042294	+	5.462E-22	1.5526E-20	0.280221	hyper	sig	chr1_200042294
chr7	54542246	54542246	+	5.469E-22	1.5544E-20	0.282227	hyper	sig	chr7_54542246
chr3	36763928	36763928	+	5.479E-22	1.5572E-20	0.352969	hyper	sig	chr3_36763928
chr16	1002525	1002525	+	5.482E-22	1.558E-20	-0.35284	hypo	sig	chr16_1002525
chr7	73704208	73704208	+	5.484E-22	1.5585E-20	0.311384	hyper	sig	chr7_73704208
chr16	29217827	29217827	+	5.485E-22	1.5587E-20	-0.26482	hypo	sig	chr16_29217827
chr1	1.57E+08	156642621	+	5.491E-22	1.5605E-20	0.339723	hyper	sig	chr1_156642621
chr3	48661666	48661666	+	5.493E-22	1.561E-20	0.21628	hyper	sig	chr3_48661666
chr12	1.32E+08	132353151	+	5.509E-22	1.5654E-20	-0.31744	hypo	sig	chr12_132353151
chr8	52100019	52100019	+	5.51E-22	1.5657E-20	0.27128	hyper	sig	chr8_52100019
chr11	86952026	86952026	+	5.511E-22	1.566E-20	0.250741	hyper	sig	chr11_86952026
chr14	28765930	28765930	+	5.514E-22	1.5668E-20	0.259923	hyper	sig	chr14_28765930
chr4	8394478	8394478	+	5.516E-22	1.5671E-20	0.310054	hyper	sig	chr4_8394478
chr17	77316412	77316412	+	5.516E-22	1.5672E-20	0.302972	hyper	sig	chr17_77316412
chr10	1.22E+08	122469003	+	5.53E-22	1.571E-20	-0.30349	hypo	sig	chr10_122469003
chr19	15181661	15181661	+	5.532E-22	1.5715E-20	-0.37346	hypo	sig	chr19_15181661
chr10	49679520	49679520	+	5.533E-22	1.5717E-20	0.248959	hyper	sig	chr10_49679520
chr1	9181101	9181101	+	5.533E-22	1.5717E-20	-0.25126	hypo	sig	chr1_9181101
chr10	1.33E+08	132540123	+	5.539E-22	1.5734E-20	0.258564	hyper	sig	chr10_132540123
chr18	13828586	13828586	+	5.541E-22	1.5738E-20	-0.2842	hypo	sig	chr18_13828586
chr1	16226912	16226912	+	5.547E-22	1.5754E-20	0.321662	hyper	sig	chr1_16226912
chr17	82457587	82457587	+	5.547E-22	1.5754E-20	-0.25427	hypo	sig	chr17_82457587
chr17	79132494	79132494	+	5.551E-22	1.5765E-20	-0.29618	hypo	sig	chr17_79132494
chr3	82498427	82498427	+	5.554E-22	1.5772E-20	-0.32135	hypo	sig	chr3_82498427
chr8	30442669	30442669	+	5.556E-22	1.5777E-20	0.250265	hyper	sig	chr8_30442669
chr2	29920826	29920826	+	5.56E-22	1.5788E-20	0.27933	hyper	sig	chr2_29920826
chr19	49043537	49043537	+	5.567E-22	1.5808E-20	-0.25983	hypo	sig	chr19_49043537
chr12	1.28E+08	128268593	+	5.569E-22	1.5813E-20	0.220395	hyper	sig	chr12_128268593
chr21	45303291	45303291	+	5.571E-22	1.5819E-20	-0.3118	hypo	sig	chr21_45303291
chr19	56507717	56507717	+	5.582E-22	1.5848E-20	0.333238	hyper	sig	chr19_56507717
chr17	1730420	1730420	+	5.583E-22	1.5851E-20	0.306781	hyper	sig	chr17_1730420
chr4	8200785	8200785	+	5.583E-22	1.5851E-20	-0.31051	hypo	sig	chr4_8200785
chr15	25728993	25728993	+	5.584E-22	1.5853E-20	-0.33114	hypo	sig	chr15_25728993
chr9	1.19E+08	119369261	+	5.586E-22	1.5857E-20	0.304068	hyper	sig	chr9_119369261
chr3	1.47E+08	147391183	+	5.591E-22	1.587E-20	0.32639	hyper	sig	chr3_147391183
chr3	1.28E+08	128497279	+	5.595E-22	1.5883E-20	0.308251	hyper	sig	chr3_128497279
chr6	30127296	30127296	+	5.6E-22	1.5895E-20	0.321724	hyper	sig	chr6_30127296
chr7	1.54E+08	153886478	+	5.603E-22	1.5905E-20	0.372936	hyper	sig	chr7_153886478
chr19	18650578	18650578	+	5.606E-22	1.5912E-20	0.32395	hyper	sig	chr19_18650578
chr8	1964968	1964968	+	5.606E-22	1.5912E-20	-0.25728	hypo	sig	chr8_1964968
chr17	52157992	52157992	+	5.608E-22	1.5915E-20	0.312769	hyper	sig	chr17_52157992
chr20	17227956	17227956	+	5.614E-22	1.5933E-20	0.345483	hyper	sig	chr20_17227956

chr4	3766792	3766792	+	5.616E-22	1.5939E-20	0.265958	hyper	sig	chr4_3766792
chr2	1.21E+08	120731326	+	5.617E-22	1.5939E-20	-0.33364	hypo	sig	chr2_120731326
chr7	813804	813804	+	5.62E-22	1.5948E-20	0.318162	hyper	sig	chr7_813804
chr16	29310958	29310958	+	5.624E-22	1.5959E-20	-0.33027	hypo	sig	chr16_29310958
chr14	28765923	28765923	+	5.627E-22	1.5966E-20	0.258957	hyper	sig	chr14_28765923
chr3	1.82E+08	181724059	+	5.629E-22	1.5971E-20	0.250219	hyper	sig	chr3_181724059
chr7	949567	949567	+	5.632E-22	1.5979E-20	-0.33646	hypo	sig	chr7_949567
chr6	30111362	30111362	+	5.638E-22	1.5997E-20	-0.26266	hypo	sig	chr6_30111362
chr18	6929791	6929791	+	5.639E-22	1.5998E-20	-0.36073	hypo	sig	chr18_6929791
chr16	10182840	10182840	+	5.639E-22	1.5999E-20	0.348477	hyper	sig	chr16_10182840
chr12	63668555	63668555	+	5.645E-22	1.6014E-20	0.200811	hyper	sig	chr12_63668555
chr19	5037194	5037194	+	5.65E-22	1.6028E-20	0.326477	hyper	sig	chr19_5037194
chr5	5146252	5146252	+	5.65E-22	1.6028E-20	-0.34314	hypo	sig	chr5_5146252
chr13	1.1E+08	110387895	+	5.651E-22	1.6029E-20	0.314253	hyper	sig	chr13_110387895
chr4	2625404	2625404	+	5.653E-22	1.6036E-20	0.224922	hyper	sig	chr4_2625404
chr18	47248577	47248577	+	5.655E-22	1.604E-20	0.288131	hyper	sig	chr18_47248577
chr7	97731733	97731733	+	5.656E-22	1.6041E-20	0.250422	hyper	sig	chr7_97731733
chr2	1.06E+08	106342808	+	5.659E-22	1.6049E-20	-0.31482	hypo	sig	chr2_106342808
chr19	53365255	53365255	+	5.66E-22	1.6051E-20	0.25445	hyper	sig	chr19_53365255
chr14	1.05E+08	105480056	+	5.672E-22	1.6086E-20	-0.23584	hypo	sig	chr14_105480056
chr20	63519824	63519824	+	5.675E-22	1.6095E-20	0.210623	hyper	sig	chr20_63519824
chr4	1.23E+08	122826397	+	5.68E-22	1.6106E-20	0.298165	hyper	sig	chr4_122826397
chr5	1.41E+08	141421679	+	5.68E-22	1.6107E-20	0.286243	hyper	sig	chr5_141421679
chr1	2850758	2850758	+	5.681E-22	1.6107E-20	0.356773	hyper	sig	chr1_2850758
chr11	1.08E+08	107929221	+	5.681E-22	1.6108E-20	0.296141	hyper	sig	chr11_107929221
chr7	1.59E+08	158586440	+	5.683E-22	1.6114E-20	0.341666	hyper	sig	chr7_158586440
chr9	35676368	35676368	+	5.686E-22	1.6121E-20	0.328631	hyper	sig	chr9_35676368
chr2	71560689	71560689	+	5.686E-22	1.6121E-20	0.285155	hyper	sig	chr2_71560689
chr8	26010578	26010578	+	5.691E-22	1.6133E-20	0.283387	hyper	sig	chr8_26010578
chr5	1.41E+08	141384870	+	5.694E-22	1.6141E-20	0.315582	hyper	sig	chr5_141384870
chr4	72032063	72032063	+	5.703E-22	1.6166E-20	0.331533	hyper	sig	chr4_72032063
chr16	89343840	89343840	+	5.722E-22	1.6219E-20	-0.32209	hypo	sig	chr16_89343840
chr2	1.18E+08	118310437	+	5.722E-22	1.6219E-20	0.232893	hyper	sig	chr2_118310437
chr12	54032988	54032988	+	5.725E-22	1.6226E-20	0.279502	hyper	sig	chr12_54032988
chr7	5382603	5382603	+	5.731E-22	1.6243E-20	0.381268	hyper	sig	chr7_5382603
chr13	83879761	83879761	+	5.738E-22	1.6261E-20	0.386091	hyper	sig	chr13_83879761
chr6	1.08E+08	108116843	+	5.743E-22	1.6274E-20	0.27618	hyper	sig	chr6_108116843
chr12	4809754	4809754	+	5.747E-22	1.6285E-20	0.310446	hyper	sig	chr12_4809754
chr8	90791909	90791909	+	5.754E-22	1.6305E-20	0.245085	hyper	sig	chr8_90791909
chr14	1.02E+08	101565080	+	5.755E-22	1.6307E-20	0.239047	hyper	sig	chr14_101565080
chr12	1.1E+08	109833699	+	5.756E-22	1.6309E-20	0.338501	hyper	sig	chr12_109833699
chr3	1.94E+08	193852467	+	5.76E-22	1.6321E-20	-0.30004	hypo	sig	chr3_193852467
chr6	10422187	10422187	+	5.766E-22	1.6337E-20	0.357059	hyper	sig	chr6_10422187
chr14	41608446	41608446	+	5.776E-22	1.6366E-20	0.32471	hyper	sig	chr14_41608446
chr16	1543401	1543401	+	5.78E-22	1.6376E-20	-0.33185	hypo	sig	chr16_1543401
chr20	9515909	9515909	+	5.79E-22	1.6403E-20	0.300651	hyper	sig	chr20_9515909
chr12	6132725	6132725	+	5.792E-22	1.6409E-20	0.274944	hyper	sig	chr12_6132725
chr2	1.2E+08	120346593	+	5.795E-22	1.6416E-20	0.239862	hyper	sig	chr2_120346593
chr7	55308405	55308405	+	5.802E-22	1.6436E-20	0.276597	hyper	sig	chr7_55308405
chr1	1.55E+08	154970115	+	5.804E-22	1.644E-20	0.29465	hyper	sig	chr1_154970115
chr20	3797978	3797978	+	5.805E-22	1.6444E-20	-0.26562	hypo	sig	chr20_3797978
chr16	88898374	88898374	+	5.807E-22	1.6449E-20	-0.33926	hypo	sig	chr16_88898374
chr1	54781728	54781728	+	5.81E-22	1.6455E-20	0.293003	hyper	sig	chr1_54781728
chr2	1793955	1793955	+	5.81E-22	1.6455E-20	-0.29402	hypo	sig	chr2_1793955
chr17	803913	803913	+	5.815E-22	1.6468E-20	-0.31595	hypo	sig	chr17_803913
chr11	2375971	2375971	+	5.821E-22	1.6485E-20	-0.2541	hypo	sig	chr11_2375971

chr11	2140990	2140990	+	5.824E-22	1.6494E-20	0.289252	hyper	sig	chr11_2140990
chr14	36663374	36663374	+	5.836E-22	1.6526E-20	0.270238	hyper	sig	chr14_36663374
chr7	1.51E+08	151013313	+	5.839E-22	1.6533E-20	0.324439	hyper	sig	chr7_151013313
chr8	10733111	10733111	+	5.84E-22	1.6536E-20	0.249721	hyper	sig	chr8_10733111
chr5	37839681	37839681	+	5.846E-22	1.6554E-20	0.293595	hyper	sig	chr5_37839681
chr14	36654556	36654556	+	5.853E-22	1.6572E-20	0.324701	hyper	sig	chr14_36654556
chr17	27293612	27293612	+	5.854E-22	1.6574E-20	-0.32925	hypo	sig	chr17_27293612
chr13	36297806	36297806	+	5.855E-22	1.6576E-20	0.238528	hyper	sig	chr13_36297806
chr9	1.35E+08	135074738	+	5.855E-22	1.6576E-20	-0.37334	hypo	sig	chr9_135074738
chr18	46333616	46333616	+	5.859E-22	1.6586E-20	0.225318	hyper	sig	chr18_46333616
chr12	1.03E+08	102950859	+	5.864E-22	1.6599E-20	0.280542	hyper	sig	chr12_102950859
chr6	13860340	13860340	+	5.863E-22	1.6599E-20	0.311185	hyper	sig	chr6_13860340
chr1	2.14E+08	214303862	+	5.865E-22	1.6603E-20	0.312751	hyper	sig	chr1_214303862
chr11	1.23E+08	123431053	+	5.868E-22	1.6611E-20	0.208348	hyper	sig	chr11_123431053
chr14	24311528	24311528	+	5.871E-22	1.6618E-20	0.266494	hyper	sig	chr14_24311528
chr11	19714194	19714194	+	5.873E-22	1.6623E-20	0.275686	hyper	sig	chr11_19714194
chr8	1.43E+08	143419708	+	5.882E-22	1.6648E-20	-0.2766	hypo	sig	chr8_143419708
chr2	3169523	3169523	+	5.883E-22	1.6649E-20	0.231863	hyper	sig	chr2_3169523
chr3	62371253	62371253	+	5.888E-22	1.6663E-20	0.395291	hyper	sig	chr3_62371253
chr6	50706918	50706918	+	5.888E-22	1.6664E-20	0.346613	hyper	sig	chr6_50706918
chr2	2.38E+08	238226148	+	5.9E-22	1.6697E-20	0.246974	hyper	sig	chr2_238226148
chr16	81693418	81693418	+	5.91E-22	1.6724E-20	0.311785	hyper	sig	chr16_81693418
chr8	1.42E+08	142464428	+	5.913E-22	1.673E-20	0.275511	hyper	sig	chr8_142464428
chr10	1.03E+08	103277999	+	5.913E-22	1.6731E-20	0.310336	hyper	sig	chr10_103277999
chr13	25468460	25468460	+	5.914E-22	1.6734E-20	0.308294	hyper	sig	chr13_25468460
chr7	4833308	4833308	+	5.915E-22	1.6734E-20	-0.26182	hypo	sig	chr7_4833308
chr6	1.63E+08	163191864	+	5.916E-22	1.6736E-20	-0.40614	hypo	sig	chr6_163191864
chr11	1834250	1834250	+	5.919E-22	1.6744E-20	-0.34491	hypo	sig	chr11_1834250
chr19	39264181	39264181	+	5.919E-22	1.6745E-20	0.222216	hyper	sig	chr19_39264181
chr8	56113143	56113143	+	5.92E-22	1.6748E-20	0.315054	hyper	sig	chr8_56113143
chr12	53207207	53207207	+	5.922E-22	1.6752E-20	-0.26368	hypo	sig	chr12_53207207
chr14	56795447	56795447	+	5.922E-22	1.6752E-20	0.286931	hyper	sig	chr14_56795447
chr2	2E+08	199603836	+	5.929E-22	1.677E-20	0.330745	hyper	sig	chr2_199603836
chr2	96986060	96986060	+	5.934E-22	1.6783E-20	0.347927	hyper	sig	chr2_96986060
chr12	1.11E+08	111033498	+	5.937E-22	1.6792E-20	0.352663	hyper	sig	chr12_111033498
chr16	67967512	67967512	+	5.937E-22	1.6792E-20	0.353546	hyper	sig	chr16_67967512
chr5	1.51E+08	150946377	+	5.937E-22	1.6792E-20	0.335311	hyper	sig	chr5_150946377
chr7	1.51E+08	151390570	+	5.94E-22	1.6799E-20	-0.30957	hypo	sig	chr7_151390570
chr14	85532095	85532095	+	5.952E-22	1.6833E-20	0.238407	hyper	sig	chr14_85532095
chr8	51408179	51408179	+	5.956E-22	1.6843E-20	-0.39995	hypo	sig	chr8_51408179
chr16	16150052	16150052	+	5.956E-22	1.6844E-20	0.26768	hyper	sig	chr16_16150052
chr8	60967847	60967847	+	5.962E-22	1.6859E-20	-0.29604	hypo	sig	chr8_60967847
chr17	48483321	48483321	+	5.967E-22	1.6871E-20	-0.28368	hypo	sig	chr17_48483321
chr7	920891	920891	+	5.967E-22	1.6871E-20	-0.26789	hypo	sig	chr7_920891
chr8	48422518	48422518	+	5.969E-22	1.6877E-20	-0.22997	hypo	sig	chr8_48422518
chr12	43571987	43571987	+	5.97E-22	1.6879E-20	0.301364	hyper	sig	chr12_43571987
chr1	78045551	78045551	+	5.974E-22	1.689E-20	-0.24131	hypo	sig	chr1_78045551
chr15	1.01E+08	100880446	+	5.982E-22	1.6913E-20	0.356705	hyper	sig	chr15_100880446
chr17	81734448	81734448	+	5.983E-22	1.6914E-20	-0.3097	hypo	sig	chr17_81734448
chr9	1.36E+08	136202819	+	5.99E-22	1.6932E-20	0.3054	hyper	sig	chr9_136202819
chr2	1.21E+08	120868121	+	6.002E-22	1.6967E-20	0.237465	hyper	sig	chr2_120868121
chr8	64579974	64579974	+	6.003E-22	1.6968E-20	0.252262	hyper	sig	chr8_64579974
chr10	1.32E+08	132037088	+	6.015E-22	1.7002E-20	0.270793	hyper	sig	chr10_132037088
chr1	36321095	36321095	+	6.029E-22	1.704E-20	0.282431	hyper	sig	chr1_36321095
chr2	2.37E+08	236504417	+	6.037E-22	1.7062E-20	-0.33595	hypo	sig	chr2_236504417
chr17	35487849	35487849	+	6.042E-22	1.7077E-20	0.213491	hyper	sig	chr17_35487849

chr19	30226589	30226589	+	6.046E-22	1.7088E-20	0.205468	hyper	sig	chr19_30226589
chr10	49322648	49322648	+	6.063E-22	1.7134E-20	-0.25944	hypo	sig	chr10_49322648
chr11	36454730	36454730	+	6.067E-22	1.7145E-20	-0.247	hypo	sig	chr11_36454730
chr15	89410058	89410058	+	6.076E-22	1.7171E-20	0.312414	hyper	sig	chr15_89410058
chr11	1.23E+08	122977387	+	6.082E-22	1.7185E-20	0.320104	hyper	sig	chr11_122977387
chr4	1.55E+08	155376898	+	6.082E-22	1.7186E-20	0.215366	hyper	sig	chr4_155376898
chr22	29313396	29313396	+	6.09E-22	1.7206E-20	0.282022	hyper	sig	chr22_29313396
chr7	47049596	47049596	+	6.093E-22	1.7216E-20	-0.2834	hypo	sig	chr7_47049596
chr11	1.18E+08	117810202	+	6.102E-22	1.7241E-20	-0.31869	hypo	sig	chr11_117810202
chr8	98974175	98974175	+	6.107E-22	1.7254E-20	0.363308	hyper	sig	chr8_98974175
chr11	73310120	73310120	+	6.113E-22	1.7271E-20	0.296606	hyper	sig	chr11_73310120
chr12	53987206	53987206	+	6.117E-22	1.7281E-20	0.313741	hyper	sig	chr12_53987206
chr22	42338750	42338750	+	6.118E-22	1.7284E-20	-0.28253	hypo	sig	chr22_42338750
chr17	40779689	40779689	+	6.12E-22	1.7288E-20	0.252926	hyper	sig	chr17_40779689
chr19	54164496	54164496	+	6.12E-22	1.7289E-20	0.281909	hyper	sig	chr19_54164496
chr7	27103831	27103831	+	6.131E-22	1.7318E-20	0.300857	hyper	sig	chr7_27103831
chr12	52262848	52262848	+	6.133E-22	1.7323E-20	-0.29461	hypo	sig	chr12_52262848
chr13	1.12E+08	112038044	+	6.146E-22	1.736E-20	-0.27824	hypo	sig	chr13_112038044
chr7	1.58E+08	157503488	+	6.152E-22	1.7375E-20	-0.33005	hypo	sig	chr7_157503488
chr11	1.3E+08	130429403	+	6.154E-22	1.7382E-20	-0.30158	hypo	sig	chr11_130429403
chr2	1.45E+08	144517319	+	6.158E-22	1.739E-20	0.227089	hyper	sig	chr2_144517319
chr10	1.05E+08	104640119	+	6.159E-22	1.7394E-20	0.341653	hyper	sig	chr10_104640119
chr16	3189622	3189622	+	6.169E-22	1.7422E-20	0.244001	hyper	sig	chr16_3189622
chr4	1.04E+08	103720114	+	6.178E-22	1.7445E-20	0.286995	hyper	sig	chr4_103720114
chr2	96833165	96833165	+	6.18E-22	1.7451E-20	0.292408	hyper	sig	chr2_96833165
chr1	2.02E+08	202122853	+	6.183E-22	1.7457E-20	0.317147	hyper	sig	chr1_202122853
chr19	58098497	58098497	+	6.188E-22	1.7471E-20	0.266844	hyper	sig	chr19_58098497
chr11	20601734	20601734	+	6.194E-22	1.7489E-20	0.293508	hyper	sig	chr11_20601734
chr16	10180558	10180558	+	6.2E-22	1.7504E-20	0.309115	hyper	sig	chr16_10180558
chr5	1.41E+08	140856019	+	6.202E-22	1.7511E-20	0.29471	hyper	sig	chr5_140856019
chr11	31799840	31799840	+	6.21E-22	1.753E-20	0.284543	hyper	sig	chr11_31799840
chr17	79803860	79803860	+	6.21E-22	1.753E-20	0.220226	hyper	sig	chr17_79803860
chr11	64972012	64972012	+	6.216E-22	1.7547E-20	0.277288	hyper	sig	chr11_64972012
chr14	1.05E+08	104638611	+	6.219E-22	1.7555E-20	-0.2703	hypo	sig	chr14_104638611
chr19	10818011	10818011	+	6.223E-22	1.7565E-20	0.265806	hyper	sig	chr19_10818011
chr7	2572430	2572430	+	6.229E-22	1.7583E-20	-0.29187	hypo	sig	chr7_2572430
chr2	1.82E+08	181682932	+	6.237E-22	1.7602E-20	0.408069	hyper	sig	chr2_181682932
chr19	22634251	22634251	+	6.25E-22	1.764E-20	0.247595	hyper	sig	chr19_22634251
chr1	2E+08	200042296	+	6.258E-22	1.7662E-20	0.255681	hyper	sig	chr1_200042296
chr15	59994339	59994339	+	6.26E-22	1.7666E-20	0.351931	hyper	sig	chr15_59994339
chr10	326663	326663	+	6.261E-22	1.7669E-20	0.208054	hyper	sig	chr10_326663
chr7	19144185	19144185	+	6.27E-22	1.7692E-20	0.334084	hyper	sig	chr7_19144185
chr14	41609977	41609977	+	6.274E-22	1.7704E-20	0.252285	hyper	sig	chr14_41609977
chr5	7826996	7826996	+	6.276E-22	1.7709E-20	-0.27457	hypo	sig	chr5_7826996
chr12	63669160	63669160	+	6.277E-22	1.771E-20	0.211811	hyper	sig	chr12_63669160
chr19	40224538	40224538	+	6.28E-22	1.7718E-20	-0.36745	hypo	sig	chr19_40224538
chr3	1.47E+08	147369899	+	6.289E-22	1.7743E-20	0.295379	hyper	sig	chr3_147369899
chr12	1.14E+08	114408482	+	6.298E-22	1.7767E-20	0.340957	hyper	sig	chr12_114408482
chr2	70768077	70768077	+	6.302E-22	1.7778E-20	0.348227	hyper	sig	chr2_70768077
chr16	51140220	51140220	+	6.304E-22	1.7785E-20	-0.26882	hypo	sig	chr16_51140220
chr13	1.12E+08	111918266	+	6.31E-22	1.7799E-20	-0.2906	hypo	sig	chr13_111918266
chr16	31042607	31042607	+	6.315E-22	1.7814E-20	0.340965	hyper	sig	chr16_31042607
chr2	2.06E+08	205686675	+	6.318E-22	1.7821E-20	0.310697	hyper	sig	chr2_205686675
chr11	74720983	74720983	+	6.319E-22	1.7823E-20	0.322224	hyper	sig	chr11_74720983
chr12	21941813	21941813	+	6.32E-22	1.7824E-20	0.220507	hyper	sig	chr12_21941813
chr17	79711936	79711936	+	6.319E-22	1.7824E-20	-0.35127	hypo	sig	chr17_79711936

chr7	97024308	97024308	+	6.328E-22	1.7846E-20	0.364152	hyper	sig	chr7_97024308
chr19	40614423	40614423	+	6.333E-22	1.786E-20	0.223632	hyper	sig	chr19_40614423
chr2	1.87E+08	186849424	+	6.345E-22	1.7894E-20	0.205091	hyper	sig	chr2_186849424
chr4	61201629	61201629	+	6.364E-22	1.7946E-20	0.322038	hyper	sig	chr4_61201629
chr10	99232899	99232899	+	6.367E-22	1.7954E-20	0.268911	hyper	sig	chr10_99232899
chr1	6386147	6386147	+	6.369E-22	1.7959E-20	-0.30377	hypo	sig	chr1_6386147
chr4	1.39E+08	138561782	+	6.369E-22	1.7959E-20	-0.23165	hypo	sig	chr4_138561782
chr13	25372664	25372664	+	6.383E-22	1.7997E-20	0.407759	hyper	sig	chr13_25372664
chr5	1.41E+08	141476944	+	6.389E-22	1.8012E-20	0.239509	hyper	sig	chr5_141476944
chr6	27582916	27582916	+	6.388E-22	1.8012E-20	0.262388	hyper	sig	chr6_27582916
chr2	27307606	27307606	+	6.408E-22	1.8065E-20	0.265281	hyper	sig	chr2_27307606
chr5	1640086	1640086	+	6.41E-22	1.807E-20	-0.26981	hypo	sig	chr5_1640086
chr2	1.2E+08	120358854	+	6.414E-22	1.8081E-20	-0.27621	hypo	sig	chr2_120358854
chr1	9183680	9183680	+	6.417E-22	1.8089E-20	0.291779	hyper	sig	chr1_9183680
chr7	1.51E+08	151125853	+	6.421E-22	1.8099E-20	0.373921	hyper	sig	chr7_151125853
chr10	48463622	48463622	+	6.424E-22	1.8108E-20	0.348702	hyper	sig	chr10_48463622
chr2	2.08E+08	208112298	+	6.424E-22	1.8108E-20	0.364233	hyper	sig	chr2_208112298
chr8	1.44E+08	143718806	+	6.466E-22	1.8224E-20	-0.38034	hypo	sig	chr8_143718806
chr16	68647179	68647179	+	6.472E-22	1.824E-20	0.250559	hyper	sig	chr16_68647179
chr13	1.14E+08	114011228	+	6.476E-22	1.8251E-20	-0.2959	hypo	sig	chr13_114011228
chr13	52739707	52739707	+	6.476E-22	1.8251E-20	0.32967	hyper	sig	chr13_52739707
chr10	86667678	86667678	+	6.491E-22	1.8293E-20	0.312826	hyper	sig	chr10_86667678
chr12	1.15E+08	114697354	+	6.498E-22	1.8312E-20	0.275586	hyper	sig	chr12_114697354
chr12	24584258	24584258	+	6.505E-22	1.833E-20	-0.2697	hypo	sig	chr12_24584258
chr3	44554892	44554892	+	6.506E-22	1.8332E-20	0.281787	hyper	sig	chr3_44554892
chr2	2.39E+08	238890761	+	6.513E-22	1.8352E-20	-0.23015	hypo	sig	chr2_238890761
chr17	29572544	29572544	+	6.517E-22	1.8362E-20	0.327467	hyper	sig	chr17_29572544
chr2	55923288	55923288	+	6.517E-22	1.8363E-20	0.246642	hyper	sig	chr2_55923288
chr15	96768834	96768834	+	6.519E-22	1.8367E-20	-0.31753	hypo	sig	chr15_96768834
chr11	2928316	2928316	+	6.521E-22	1.8371E-20	-0.21973	hypo	sig	chr11_2928316
chr6	1.1E+08	110358610	+	6.522E-22	1.8375E-20	0.340744	hyper	sig	chr6_110358610
chr19	57584282	57584282	+	6.524E-22	1.8378E-20	0.297772	hyper	sig	chr19_57584282
chr12	1.33E+08	132908291	+	6.531E-22	1.8399E-20	0.236219	hyper	sig	chr12_132908291
chr10	1.01E+08	101132374	+	6.537E-22	1.8414E-20	0.354294	hyper	sig	chr10_101132374
chr19	36152682	36152682	+	6.547E-22	1.8443E-20	0.324043	hyper	sig	chr19_36152682
chr1	1.19E+08	119006229	+	6.548E-22	1.8446E-20	0.325601	hyper	sig	chr1_119006229
chr12	1.23E+08	122841914	+	6.551E-22	1.8452E-20	0.291821	hyper	sig	chr12_122841914
chr19	15457760	15457760	+	6.551E-22	1.8452E-20	0.273223	hyper	sig	chr19_15457760
chr6	14917102	14917102	+	6.553E-22	1.8458E-20	0.225786	hyper	sig	chr6_14917102
chr22	35538905	35538905	+	6.566E-22	1.8492E-20	-0.23678	hypo	sig	chr22_35538905
chr1	1.47E+08	147073274	+	6.566E-22	1.8493E-20	0.264858	hyper	sig	chr1_147073274
chr14	64599746	64599746	+	6.569E-22	1.8501E-20	-0.28231	hypo	sig	chr14_64599746
chr13	24149165	24149165	+	6.584E-22	1.8542E-20	-0.25381	hypo	sig	chr13_24149165
chr20	63254905	63254905	+	6.588E-22	1.8551E-20	0.316565	hyper	sig	chr20_63254905
chr2	1.21E+08	120589798	+	6.588E-22	1.8552E-20	-0.30192	hypo	sig	chr2_120589798
chr10	26218348	26218348	+	6.589E-22	1.8553E-20	0.28836	hyper	sig	chr10_26218348
chr19	18008212	18008212	+	6.594E-22	1.8565E-20	0.237	hyper	sig	chr19_18008212
chr20	63775118	63775118	+	6.597E-22	1.8574E-20	0.270561	hyper	sig	chr20_63775118
chr14	1.02E+08	102321285	+	6.599E-22	1.8579E-20	-0.30066	hypo	sig	chr14_102321285
chr3	1.94E+08	194376537	+	6.603E-22	1.8589E-20	-0.29936	hypo	sig	chr3_194376537
chr2	70767731	70767731	+	6.611E-22	1.8611E-20	0.208744	hyper	sig	chr2_70767731
chr3	1.38E+08	137761299	+	6.611E-22	1.8612E-20	0.31958	hyper	sig	chr3_137761299
chr5	33892516	33892516	+	6.613E-22	1.8617E-20	0.321209	hyper	sig	chr5_33892516
chr5	1.46E+08	146334312	+	6.616E-22	1.8623E-20	0.29743	hyper	sig	chr5_146334312
chr1	12129849	12129849	+	6.622E-22	1.8638E-20	-0.22037	hypo	sig	chr1_12129849
chr5	1.41E+08	141366198	+	6.634E-22	1.8672E-20	0.30772	hyper	sig	chr5_141366198

chr14	1.01E+08	100836177	+	6.637E-22	1.868E-20	-0.35787	hypo	sig	chr14_100836177
chr12	53955520	53955520	+	6.638E-22	1.8681E-20	0.362604	hyper	sig	chr12_53955520
chr8	48923531	48923531	+	6.643E-22	1.8695E-20	-0.38674	hypo	sig	chr8_48923531
chr19	46471787	46471787	+	6.646E-22	1.8703E-20	0.290583	hyper	sig	chr19_46471787
chr19	18650592	18650592	+	6.655E-22	1.8729E-20	0.317956	hyper	sig	chr19_18650592
chr11	69818983	69818983	+	6.665E-22	1.8756E-20	0.277045	hyper	sig	chr11_69818983
chr2	1.87E+08	187002673	+	6.67E-22	1.877E-20	-0.34069	hypo	sig	chr2_187002673
chr20	58842186	58842186	+	6.672E-22	1.8773E-20	0.318122	hyper	sig	chr20_58842186
chr6	99606745	99606745	+	6.672E-22	1.8773E-20	0.222733	hyper	sig	chr6_99606745
chr18	4454472	4454472	+	6.679E-22	1.8794E-20	0.21104	hyper	sig	chr18_4454472
chr4	54232316	54232316	+	6.681E-22	1.8797E-20	0.232467	hyper	sig	chr4_54232316
chr1	16018492	16018492	+	6.688E-22	1.8817E-20	0.279354	hyper	sig	chr1_16018492
chr8	1.13E+08	113436921	+	6.688E-22	1.8817E-20	0.201908	hyper	sig	chr8_113436921
chr19	15723010	15723010	+	6.69E-22	1.8821E-20	0.288162	hyper	sig	chr19_15723010
chr4	1.22E+08	121765370	+	6.694E-22	1.8832E-20	0.257056	hyper	sig	chr4_121765370
chr4	1.12E+08	112379421	+	6.696E-22	1.8837E-20	0.318344	hyper	sig	chr4_112379421
chr16	86619609	86619609	+	6.698E-22	1.8842E-20	-0.34032	hypo	sig	chr16_86619609
chr17	17793086	17793086	+	6.704E-22	1.8857E-20	0.276161	hyper	sig	chr17_17793086
chr2	73072044	73072044	+	6.705E-22	1.8858E-20	0.219693	hyper	sig	chr2_73072044
chr8	98948617	98948617	+	6.705E-22	1.886E-20	0.266161	hyper	sig	chr8_98948617
chr2	1E+08	100321371	+	6.708E-22	1.8867E-20	0.362295	hyper	sig	chr2_100321371
chr16	29289433	29289433	+	6.714E-22	1.8882E-20	-0.31973	hypo	sig	chr16_29289433
chr4	1.85E+08	185020992	+	6.717E-22	1.889E-20	0.257185	hyper	sig	chr4_185020992
chr7	1.51E+08	150989626	+	6.718E-22	1.8893E-20	0.28171	hyper	sig	chr7_150989626
chr20	23049562	23049562	+	6.725E-22	1.891E-20	0.23426	hyper	sig	chr20_23049562
chr8	64368840	64368840	+	6.732E-22	1.8931E-20	0.26603	hyper	sig	chr8_64368840
chr6	32879967	32879967	+	6.735E-22	1.8937E-20	0.247355	hyper	sig	chr6_32879967
chr19	4376390	4376390	+	6.735E-22	1.8938E-20	-0.34833	hypo	sig	chr19_4376390
chr7	4739624	4739624	+	6.747E-22	1.8971E-20	0.255619	hyper	sig	chr7_4739624
chr2	1.19E+08	119156750	+	6.763E-22	1.9015E-20	0.237953	hyper	sig	chr2_119156750
chr7	70596698	70596698	+	6.767E-22	1.9025E-20	-0.32069	hypo	sig	chr7_70596698
chr18	21242966	21242966	+	6.786E-22	1.9079E-20	0.297874	hyper	sig	chr18_21242966
chr13	98571161	98571161	+	6.789E-22	1.9087E-20	-0.32118	hypo	sig	chr13_98571161
chr7	1.51E+08	150962896	+	6.795E-22	1.9103E-20	0.34072	hyper	sig	chr7_150962896
chr10	1.3E+08	129525881	+	6.801E-22	1.9118E-20	0.282115	hyper	sig	chr10_129525881
chr7	1.59E+08	158992953	+	6.805E-22	1.913E-20	0.299386	hyper	sig	chr7_158992953
chr12	1.27E+08	126727973	+	6.81E-22	1.9142E-20	0.295388	hyper	sig	chr12_126727973
chr13	1.12E+08	112053501	+	6.812E-22	1.9148E-20	0.327564	hyper	sig	chr13_112053501
chr1	1.55E+08	155321480	+	6.823E-22	1.9179E-20	0.306139	hyper	sig	chr1_155321480
chr2	2.22E+08	222298302	+	6.829E-22	1.9193E-20	0.301449	hyper	sig	chr2_222298302
chr7	8444027	8444027	+	6.844E-22	1.9235E-20	0.388479	hyper	sig	chr7_8444027
chr12	52797124	52797124	+	6.855E-22	1.9266E-20	-0.33222	hypo	sig	chr12_52797124
chr4	1.44E+08	143913421	+	6.857E-22	1.927E-20	-0.24844	hypo	sig	chr4_143913421
chr7	1.52E+08	151844958	+	6.858E-22	1.9274E-20	-0.27704	hypo	sig	chr7_151844958
chr10	49679809	49679809	+	6.871E-22	1.9307E-20	0.316887	hyper	sig	chr10_49679809
chr1	58573884	58573884	+	6.871E-22	1.9308E-20	-0.29887	hypo	sig	chr1_58573884
chr12	1.32E+08	132173213	+	6.875E-22	1.9316E-20	-0.27379	hypo	sig	chr12_132173213
chr19	22286449	22286449	+	6.884E-22	1.9343E-20	0.316262	hyper	sig	chr19_22286449
chr2	9191253	9191253	+	6.888E-22	1.9352E-20	0.263232	hyper	sig	chr2_9191253
chr5	51382589	51382589	+	6.89E-22	1.9358E-20	0.230444	hyper	sig	chr5_51382589
chr12	64826492	64826492	+	6.909E-22	1.941E-20	0.236879	hyper	sig	chr12_64826492
chr3	1.73E+08	173397917	+	6.918E-22	1.9435E-20	0.200555	hyper	sig	chr3_173397917
chr6	1.67E+08	166870974	+	6.922E-22	1.9444E-20	-0.20852	hypo	sig	chr6_166870974
chr7	1.24E+08	124480877	+	6.924E-22	1.945E-20	-0.21292	hypo	sig	chr7_124480877
chr7	3950847	3950847	+	6.93E-22	1.9465E-20	-0.44	hypo	sig	chr7_3950847
chr16	566251	566251	+	6.932E-22	1.9471E-20	0.324546	hyper	sig	chr16_566251

chr14	1.04E+08	103909689	+	6.936E-22	1.9481E-20	0.291642	hyper	sig	chr14_103909689
chr1	58575735	58575735	+	6.939E-22	1.9489E-20	-0.30289	hypo	sig	chr1_58575735
chr10	91633585	91633585	+	6.942E-22	1.9495E-20	0.290608	hyper	sig	chr10_91633585
chr2	1.2E+08	120174956	+	6.944E-22	1.9502E-20	0.286763	hyper	sig	chr2_120174956
chr19	56393644	56393644	+	6.948E-22	1.9512E-20	0.253481	hyper	sig	chr19_56393644
chr5	1.71E+08	171308382	+	6.949E-22	1.9513E-20	0.326554	hyper	sig	chr5_171308382
chr16	57529483	57529483	+	6.961E-22	1.9546E-20	-0.25982	hypo	sig	chr16_57529483
chr6	1.59E+08	159168842	+	6.963E-22	1.9552E-20	0.263191	hyper	sig	chr6_159168842
chr2	2.08E+08	207767764	+	6.966E-22	1.9558E-20	-0.31602	hypo	sig	chr2_207767764
chr2	11105331	11105331	+	6.969E-22	1.9566E-20	-0.27087	hypo	sig	chr2_11105331
chr7	64877543	64877543	+	6.969E-22	1.9566E-20	0.3709	hyper	sig	chr7_64877543
chr18	74498781	74498781	+	6.974E-22	1.9581E-20	-0.31586	hypo	sig	chr18_74498781
chr15	74133932	74133932	+	6.981E-22	1.9599E-20	0.30897	hyper	sig	chr15_74133932
chr3	1.23E+08	123447758	+	6.986E-22	1.9611E-20	0.384551	hyper	sig	chr3_123447758
chr1	3068023	3068023	+	6.992E-22	1.9627E-20	0.291232	hyper	sig	chr1_3068023
chr12	34165246	34165246	+	6.995E-22	1.9636E-20	-0.35841	hypo	sig	chr12_34165246
chr8	54466669	54466669	+	6.999E-22	1.9648E-20	0.317255	hyper	sig	chr8_54466669
chr15	25863646	25863646	+	7E-22	1.9648E-20	0.225144	hyper	sig	chr15_25863646
chr11	72677152	72677152	+	7E-22	1.9649E-20	0.241968	hyper	sig	chr11_72677152
chr6	10883601	10883601	+	7.002E-22	1.9653E-20	0.329673	hyper	sig	chr6_10883601
chr9	1.28E+08	127752840	+	7.005E-22	1.966E-20	-0.32149	hypo	sig	chr9_127752840
chr3	13637759	13637759	+	7.007E-22	1.9666E-20	-0.30674	hypo	sig	chr3_13637759
chr3	1.72E+08	172449655	+	7.01E-22	1.9672E-20	0.290218	hyper	sig	chr3_172449655
chr1	2305103	2305103	+	7.01E-22	1.9673E-20	0.379667	hyper	sig	chr1_2305103
chr10	1.23E+08	123134212	+	7.013E-22	1.9681E-20	0.232822	hyper	sig	chr10_123134212
chr12	1.14E+08	114414549	+	7.014E-22	1.9683E-20	0.347757	hyper	sig	chr12_114414549
chr3	1.92E+08	191952458	+	7.015E-22	1.9684E-20	-0.30964	hypo	sig	chr3_191952458
chr12	63669151	63669151	+	7.018E-22	1.9691E-20	0.214569	hyper	sig	chr12_63669151
chr19	4531762	4531762	+	7.02E-22	1.9697E-20	-0.26489	hypo	sig	chr19_4531762
chr5	1.29E+08	128965567	+	7.026E-22	1.9714E-20	0.297128	hyper	sig	chr5_128965567
chr7	229598	229598	+	7.027E-22	1.9716E-20	0.303988	hyper	sig	chr7_229598
chr19	19529266	19529266	+	7.029E-22	1.972E-20	0.319865	hyper	sig	chr19_19529266
chr2	2.08E+08	208407152	+	7.032E-22	1.9728E-20	0.285535	hyper	sig	chr2_208407152
chr5	38557444	38557444	+	7.033E-22	1.9729E-20	0.271791	hyper	sig	chr5_38557444
chr20	24471222	24471222	+	7.041E-22	1.9752E-20	0.303079	hyper	sig	chr20_24471222
chr16	22813205	22813205	+	7.042E-22	1.9754E-20	0.332508	hyper	sig	chr16_22813205
chr16	249564	249564	+	7.056E-22	1.9793E-20	-0.26568	hypo	sig	chr16_249564
chr1	5847448	5847448	+	7.058E-22	1.9797E-20	0.264841	hyper	sig	chr1_5847448
chr6	1.37E+08	136923568	+	7.061E-22	1.9806E-20	0.351199	hyper	sig	chr6_136923568
chr2	1.28E+08	127652990	+	7.063E-22	1.9812E-20	0.34844	hyper	sig	chr2_127652990
chr11	1101416	1101416	+	7.065E-22	1.9814E-20	-0.34294	hypo	sig	chr11_1101416
chr11	20670296	20670296	+	7.065E-22	1.9814E-20	0.447919	hyper	sig	chr11_20670296
chr3	14564346	14564346	+	7.067E-22	1.9818E-20	-0.32819	hypo	sig	chr3_14564346
chr8	1.43E+08	143173468	+	7.073E-22	1.9834E-20	-0.29036	hypo	sig	chr8_143173468
chr1	14915684	14915684	+	7.075E-22	1.9839E-20	-0.35238	hypo	sig	chr1_14915684
chr11	507977	507977	+	7.08E-22	1.9854E-20	0.30224	hyper	sig	chr11_507977
chr6	1.1E+08	109979032	+	7.085E-22	1.9867E-20	0.271984	hyper	sig	chr6_109979032
chr1	3976934	3976934	+	7.094E-22	1.9891E-20	-0.25395	hypo	sig	chr1_3976934
chr16	8869936	8869936	+	7.094E-22	1.9892E-20	-0.2326	hypo	sig	chr16_8869936
chr10	1.33E+08	132520779	+	7.101E-22	1.9909E-20	0.283861	hyper	sig	chr10_132520779
chr11	69099306	69099306	+	7.126E-22	1.998E-20	-0.31603	hypo	sig	chr11_69099306
chr16	85816013	85816013	+	7.131E-22	1.9992E-20	-0.26266	hypo	sig	chr16_85816013
chr10	1.33E+08	132892360	+	7.136E-22	2.0006E-20	0.286796	hyper	sig	chr10_132892360
chr18	23134382	23134382	+	7.144E-22	2.0028E-20	-0.31961	hypo	sig	chr18_23134382
chr10	43606341	43606341	+	7.148E-22	2.0039E-20	0.207679	hyper	sig	chr10_43606341
chr11	1.27E+08	126991219	+	7.153E-22	2.0051E-20	-0.20298	hypo	sig	chr11_126991219

chr17	29572622	29572622	+	7.155E-22	2.0057E-20	0.335929	hyper	sig	chr17_29572622
chr20	43189298	43189298	+	7.162E-22	2.0074E-20	0.251854	hyper	sig	chr20_43189298
chr11	32433816	32433816	+	7.163E-22	2.0076E-20	0.329742	hyper	sig	chr11_32433816
chr7	1.22E+08	122300906	+	7.163E-22	2.0076E-20	0.268383	hyper	sig	chr7_122300906
chr11	15938086	15938086	+	7.163E-22	2.0077E-20	0.275679	hyper	sig	chr11_15938086
chr17	83014453	83014453	+	7.166E-22	2.0084E-20	-0.25244	hypo	sig	chr17_83014453
chr20	17225895	17225895	+	7.172E-22	2.0099E-20	0.334471	hyper	sig	chr20_17225895
chr19	53520615	53520615	+	7.173E-22	2.0102E-20	0.251762	hyper	sig	chr19_53520615
chr2	2.22E+08	222299076	+	7.176E-22	2.0108E-20	0.234584	hyper	sig	chr2_222299076
chr2	1742858	1742858	+	7.183E-22	2.013E-20	0.219242	hyper	sig	chr2_1742858
chr2	2.33E+08	233481930	+	7.185E-22	2.0133E-20	0.281866	hyper	sig	chr2_233481930
chr10	1.01E+08	101226127	+	7.204E-22	2.0186E-20	0.348517	hyper	sig	chr10_101226127
chr2	44933000	44933000	+	7.206E-22	2.019E-20	0.351528	hyper	sig	chr2_44933000
chr19	22010547	22010547	+	7.213E-22	2.0209E-20	0.282596	hyper	sig	chr19_22010547
chr6	30127515	30127515	+	7.227E-22	2.0248E-20	0.281737	hyper	sig	chr6_30127515
chr15	83284003	83284003	+	7.228E-22	2.0248E-20	0.33587	hyper	sig	chr15_83284003
chr1	18631644	18631644	+	7.237E-22	2.0273E-20	0.240429	hyper	sig	chr1_18631644
chr7	74373042	74373042	+	7.239E-22	2.0277E-20	0.398244	hyper	sig	chr7_74373042
chr3	75655473	75655473	+	7.246E-22	2.0298E-20	0.410674	hyper	sig	chr3_75655473
chr19	38256738	38256738	+	7.25E-22	2.0308E-20	0.282424	hyper	sig	chr19_38256738
chr14	28774484	28774484	+	7.263E-22	2.0343E-20	0.317973	hyper	sig	chr14_28774484
chr19	22422384	22422384	+	7.268E-22	2.0358E-20	0.262938	hyper	sig	chr19_22422384
chr19	40224577	40224577	+	7.278E-22	2.0385E-20	-0.39778	hypo	sig	chr19_40224577
chr3	1.47E+08	147359987	+	7.281E-22	2.0393E-20	-0.24715	hypo	sig	chr3_147359987
chr2	2.32E+08	231662785	+	7.282E-22	2.0393E-20	-0.36447	hypo	sig	chr2_231662785
chr10	6149113	6149113	+	7.287E-22	2.0406E-20	-0.29831	hypo	sig	chr10_6149113
chr22	39999262	39999262	+	7.295E-22	2.0428E-20	-0.32106	hypo	sig	chr22_39999262
chr8	1.43E+08	142563712	+	7.297E-22	2.0433E-20	-0.30604	hypo	sig	chr8_142563712
chr2	1.15E+08	115163108	+	7.31E-22	2.0469E-20	0.352973	hyper	sig	chr2_115163108
chr13	70107878	70107878	+	7.313E-22	2.0476E-20	0.394542	hyper	sig	chr13_70107878
chr8	71556400	71556400	+	7.313E-22	2.0476E-20	0.321942	hyper	sig	chr8_71556400
chr16	85394241	85394241	+	7.318E-22	2.049E-20	0.338256	hyper	sig	chr16_85394241
chr15	47184787	47184787	+	7.323E-22	2.0501E-20	0.24868	hyper	sig	chr15_47184787
chr19	10294487	10294487	+	7.325E-22	2.0508E-20	0.282115	hyper	sig	chr19_10294487
chr3	1.28E+08	128496739	+	7.329E-22	2.0517E-20	0.32997	hyper	sig	chr3_128496739
chr19	36838764	36838764	+	7.344E-22	2.0559E-20	0.24631	hyper	sig	chr19_36838764
chr15	88255473	88255473	+	7.352E-22	2.0581E-20	0.333225	hyper	sig	chr15_88255473
chr11	44955563	44955563	+	7.353E-22	2.0583E-20	-0.35246	hypo	sig	chr11_44955563
chr1	12595277	12595277	+	7.361E-22	2.0604E-20	0.265486	hyper	sig	chr1_12595277
chr7	1.22E+08	122315884	+	7.361E-22	2.0604E-20	0.284626	hyper	sig	chr7_122315884
chr15	83107092	83107092	+	7.373E-22	2.0637E-20	0.228481	hyper	sig	chr15_83107092
chr17	14304290	14304290	+	7.392E-22	2.0687E-20	0.370073	hyper	sig	chr17_14304290
chr2	1.27E+08	127197660	+	7.393E-22	2.0689E-20	-0.3522	hypo	sig	chr2_127197660
chr1	1.19E+08	118989052	+	7.396E-22	2.0699E-20	0.34952	hyper	sig	chr1_118989052
chr4	1.74E+08	173527677	+	7.406E-22	2.0725E-20	0.353565	hyper	sig	chr4_173527677
chr10	71712587	71712587	+	7.417E-22	2.0753E-20	-0.2788	hypo	sig	chr10_71712587
chr6	34002184	34002184	+	7.433E-22	2.0798E-20	0.296723	hyper	sig	chr6_34002184
chr3	1.47E+08	147410370	+	7.435E-22	2.0803E-20	0.337907	hyper	sig	chr3_147410370
chr17	40350057	40350057	+	7.437E-22	2.0808E-20	0.284599	hyper	sig	chr17_40350057
chr2	2.02E+08	202035606	+	7.439E-22	2.0814E-20	0.320161	hyper	sig	chr2_202035606
chr15	79091415	79091415	+	7.454E-22	2.0856E-20	0.291684	hyper	sig	chr15_79091415
chr11	1.34E+08	134275965	+	7.461E-22	2.0872E-20	0.206867	hyper	sig	chr11_134275965
chr4	1.12E+08	112379514	+	7.462E-22	2.0875E-20	0.331327	hyper	sig	chr4_112379514
chr16	165480	165480	+	7.465E-22	2.0881E-20	0.271017	hyper	sig	chr16_165480
chr2	43131200	43131200	+	7.479E-22	2.092E-20	-0.30722	hypo	sig	chr2_43131200
chr19	3178803	3178803	+	7.482E-22	2.093E-20	-0.32347	hypo	sig	chr19_3178803

chr5	1.8E+08	179523844	+	7.488E-22	2.0944E-20	-0.29243	hypo	sig	chr5_179523844
chr2	3101395	3101395	+	7.49E-22	2.095E-20	0.321848	hyper	sig	chr2_3101395
chr5	1.14E+08	114056307	+	7.496E-22	2.0965E-20	0.226536	hyper	sig	chr5_114056307
chr1	26863188	26863188	+	7.501E-22	2.0978E-20	-0.29199	hypo	sig	chr1_26863188
chr4	54109597	54109597	+	7.503E-22	2.0984E-20	0.25273	hyper	sig	chr4_54109597
chr1	12143574	12143574	+	7.534E-22	2.1067E-20	-0.30693	hypo	sig	chr1_12143574
chr1	24931530	24931530	+	7.542E-22	2.1089E-20	0.337494	hyper	sig	chr1_24931530
chr3	1.28E+08	128490533	+	7.548E-22	2.1107E-20	0.250875	hyper	sig	chr3_128490533
chr5	1.25E+08	124744761	+	7.55E-22	2.111E-20	0.283241	hyper	sig	chr5_124744761
chr14	60511411	60511411	+	7.552E-22	2.1117E-20	0.299209	hyper	sig	chr14_60511411
chr7	1.22E+08	122300327	+	7.56E-22	2.1137E-20	0.347763	hyper	sig	chr7_122300327
chr9	1.19E+08	119369827	+	7.561E-22	2.1139E-20	0.315803	hyper	sig	chr9_119369827
chr13	94968743	94968743	+	7.567E-22	2.1156E-20	0.290113	hyper	sig	chr13_94968743
chr13	99989093	99989093	+	7.57E-22	2.1163E-20	0.214959	hyper	sig	chr13_99989093
chr14	1.02E+08	101565082	+	7.577E-22	2.1181E-20	0.246771	hyper	sig	chr14_101565082
chr17	81153630	81153630	+	7.594E-22	2.1228E-20	-0.22898	hypo	sig	chr17_81153630
chr16	1088545	1088545	+	7.599E-22	2.1242E-20	-0.28241	hypo	sig	chr16_1088545
chr4	56656629	56656629	+	7.601E-22	2.1248E-20	0.303237	hyper	sig	chr4_56656629
chr13	1.12E+08	111956965	+	7.603E-22	2.1252E-20	-0.34366	hypo	sig	chr13_111956965
chr19	56393733	56393733	+	7.604E-22	2.1253E-20	0.250549	hyper	sig	chr19_56393733
chr19	57769399	57769399	+	7.605E-22	2.1255E-20	0.262577	hyper	sig	chr19_57769399
chr10	3400568	3400568	+	7.622E-22	2.1303E-20	0.319478	hyper	sig	chr10_3400568
chr7	5304054	5304054	+	7.628E-22	2.132E-20	-0.28466	hypo	sig	chr7_5304054
chr5	88678195	88678195	+	7.633E-22	2.1332E-20	0.345431	hyper	sig	chr5_88678195
chr19	57709005	57709005	+	7.639E-22	2.1347E-20	0.292902	hyper	sig	chr19_57709005
chr19	40224775	40224775	+	7.645E-22	2.1364E-20	-0.44987	hypo	sig	chr19_40224775
chr2	2.08E+08	208407150	+	7.651E-22	2.1378E-20	0.28957	hyper	sig	chr2_208407150
chr3	62377243	62377243	+	7.651E-22	2.1378E-20	0.301634	hyper	sig	chr3_62377243
chr3	1.23E+08	123447839	+	7.651E-22	2.1378E-20	0.334314	hyper	sig	chr3_123447839
chr11	31803640	31803640	+	7.653E-22	2.1381E-20	0.24447	hyper	sig	chr11_31803640
chr1	20552251	20552251	+	7.656E-22	2.1389E-20	0.320003	hyper	sig	chr1_20552251
chr16	1230625	1230625	+	7.664E-22	2.1411E-20	-0.42305	hypo	sig	chr16_1230625
chr19	53132780	53132780	+	7.667E-22	2.142E-20	0.246076	hyper	sig	chr19_53132780
chr12	1.31E+08	130716086	+	7.668E-22	2.1422E-20	0.306009	hyper	sig	chr12_130716086
chr15	74789212	74789212	+	7.671E-22	2.1429E-20	-0.26238	hypo	sig	chr15_74789212
chr1	1.77E+08	177171530	+	7.671E-22	2.143E-20	0.334697	hyper	sig	chr1_177171530
chr9	92809799	92809799	+	7.673E-22	2.1432E-20	0.262207	hyper	sig	chr9_92809799
chr4	1.11E+08	110630878	+	7.683E-22	2.146E-20	0.290664	hyper	sig	chr4_110630878
chr5	42924252	42924252	+	7.69E-22	2.1479E-20	0.307828	hyper	sig	chr5_42924252
chr3	75622699	75622699	+	7.71E-22	2.1533E-20	-0.24771	hypo	sig	chr3_75622699
chr16	53433700	53433700	+	7.718E-22	2.1556E-20	-0.23607	hypo	sig	chr16_53433700
chr5	1.41E+08	141210236	+	7.724E-22	2.1571E-20	0.311069	hyper	sig	chr5_141210236
chr8	1605532	1605532	+	7.725E-22	2.1573E-20	-0.2706	hypo	sig	chr8_1605532
chr1	1.44E+08	143651879	+	7.728E-22	2.1581E-20	0.313508	hyper	sig	chr1_143651879
chr7	24285392	24285392	+	7.73E-22	2.1587E-20	0.283927	hyper	sig	chr7_24285392
chr17	79981731	79981731	+	7.737E-22	2.1606E-20	0.312388	hyper	sig	chr17_79981731
chr1	1.19E+08	118993711	+	7.74E-22	2.1612E-20	0.326674	hyper	sig	chr1_118993711
chr10	625554	625554	+	7.75E-22	2.164E-20	0.274102	hyper	sig	chr10_625554
chr10	1.33E+08	133229975	+	7.757E-22	2.1658E-20	0.225785	hyper	sig	chr10_133229975
chr1	71047436	71047436	+	7.762E-22	2.1673E-20	0.242066	hyper	sig	chr1_71047436
chr6	37705936	37705936	+	7.775E-22	2.1708E-20	0.304359	hyper	sig	chr6_37705936
chr12	1.31E+08	130971034	+	7.785E-22	2.1734E-20	-0.26381	hypo	sig	chr12_130971034
chr3	44022114	44022114	+	7.79E-22	2.1748E-20	0.230706	hyper	sig	chr3_44022114
chr10	42242765	42242765	+	7.791E-22	2.1749E-20	0.336609	hyper	sig	chr10_42242765
chr15	55588843	55588843	+	7.815E-22	2.1818E-20	0.222828	hyper	sig	chr15_55588843
chr1	1.19E+08	118980232	+	7.816E-22	2.1819E-20	0.425354	hyper	sig	chr1_118980232

chr14	44912033	44912033	+	7.821E-22	2.1833E-20	0.344604	hyper	sig	chr14_44912033
chr4	9503507	9503507	+	7.822E-22	2.1833E-20	-0.32412	hypo	sig	chr4_9503507
chr12	1.28E+08	128381647	+	7.823E-22	2.1835E-20	0.309125	hyper	sig	chr12_128381647
chr19	6199348	6199348	+	7.823E-22	2.1835E-20	0.224634	hyper	sig	chr19_6199348
chr17	77351700	77351700	+	7.83E-22	2.1854E-20	0.317862	hyper	sig	chr17_77351700
chr19	22634374	22634374	+	7.842E-22	2.1886E-20	0.246075	hyper	sig	chr19_22634374
chr5	73420150	73420150	+	7.845E-22	2.1895E-20	0.246871	hyper	sig	chr5_73420150
chr12	1.32E+08	132353146	+	7.851E-22	2.191E-20	-0.32299	hypo	sig	chr12_132353146
chr16	86566713	86566713	+	7.851E-22	2.191E-20	0.263682	hyper	sig	chr16_86566713
chr10	49679449	49679449	+	7.854E-22	2.1918E-20	0.296329	hyper	sig	chr10_49679449
chr11	71339465	71339465	+	7.859E-22	2.1929E-20	0.299254	hyper	sig	chr11_71339465
chr5	88672056	88672056	+	7.861E-22	2.1936E-20	0.327173	hyper	sig	chr5_88672056
chr7	64495348	64495348	+	7.87E-22	2.1959E-20	0.351806	hyper	sig	chr7_64495348
chr7	47046378	47046378	+	7.871E-22	2.1962E-20	-0.29567	hypo	sig	chr7_47046378
chr8	1.43E+08	142638610	+	7.878E-22	2.198E-20	-0.3406	hypo	sig	chr8_142638610
chr14	85534153	85534153	+	7.88E-22	2.1985E-20	0.299736	hyper	sig	chr14_85534153
chr7	1.59E+08	158586531	+	7.884E-22	2.1994E-20	0.241932	hyper	sig	chr7_158586531
chr5	1794128	1794128	+	7.886E-22	2.2E-20	-0.23364	hypo	sig	chr5_1794128
chr5	1.81E+08	181114865	+	7.898E-22	2.2032E-20	0.312317	hyper	sig	chr5_181114865
chr14	28778343	28778343	+	7.91E-22	2.2063E-20	0.29489	hyper	sig	chr14_28778343
chr7	1.58E+08	157675836	+	7.913E-22	2.2072E-20	-0.44718	hypo	sig	chr7_157675836
chr5	1.41E+08	141431776	+	7.917E-22	2.2082E-20	0.2952	hyper	sig	chr5_141431776
chr17	50201566	50201566	+	7.927E-22	2.2109E-20	0.2594	hyper	sig	chr17_50201566
chr22	50031672	50031672	+	7.927E-22	2.2109E-20	-0.32359	hypo	sig	chr22_50031672
chr3	13936386	13936386	+	7.932E-22	2.2122E-20	-0.28437	hypo	sig	chr3_13936386
chr7	1733626	1733626	+	7.941E-22	2.2148E-20	-0.31295	hypo	sig	chr7_1733626
chr6	1.59E+08	159170437	+	7.942E-22	2.2148E-20	0.262106	hyper	sig	chr6_159170437
chr9	97848417	97848417	+	7.943E-22	2.2149E-20	0.391807	hyper	sig	chr9_97848417
chr7	5303174	5303174	+	7.956E-22	2.2186E-20	-0.30304	hypo	sig	chr7_5303174
chr4	1.07E+08	107034194	+	7.969E-22	2.222E-20	0.283801	hyper	sig	chr4_107034194
chr7	1.55E+08	155373487	+	7.973E-22	2.223E-20	0.295238	hyper	sig	chr7_155373487
chr22	24427586	24427586	+	7.977E-22	2.2242E-20	-0.31944	hypo	sig	chr22_24427586
chr3	1.84E+08	184491471	+	7.982E-22	2.2254E-20	0.35805	hyper	sig	chr3_184491471
chr1	1.19E+08	118988997	+	7.983E-22	2.2256E-20	0.377493	hyper	sig	chr1_118988997
chr9	970589	970589	+	8.005E-22	2.2317E-20	0.296899	hyper	sig	chr9_970589
chr5	1.41E+08	141364424	+	8.012E-22	2.2336E-20	0.293802	hyper	sig	chr5_141364424
chr14	74019932	74019932	+	8.025E-22	2.2372E-20	0.283058	hyper	sig	chr14_74019932
chr19	15181655	15181655	+	8.026E-22	2.2372E-20	-0.36633	hypo	sig	chr19_15181655
chr2	23524152	23524152	+	8.032E-22	2.2389E-20	0.297879	hyper	sig	chr2_23524152
chr7	88759733	88759733	+	8.035E-22	2.2397E-20	0.302756	hyper	sig	chr7_88759733
chr2	85410550	85410550	+	8.036E-22	2.2397E-20	-0.24887	hypo	sig	chr2_85410550
chr19	48480785	48480785	+	8.036E-22	2.2398E-20	0.228917	hyper	sig	chr19_48480785
chr5	1.46E+08	146340341	+	8.047E-22	2.2427E-20	0.302806	hyper	sig	chr5_146340341
chr1	86156958	86156958	+	8.051E-22	2.2437E-20	0.224159	hyper	sig	chr1_86156958
chr8	1.44E+08	143974205	+	8.059E-22	2.2458E-20	0.236563	hyper	sig	chr8_143974205
chr12	43552059	43552059	+	8.065E-22	2.2476E-20	0.372659	hyper	sig	chr12_43552059
chr14	53953148	53953148	+	8.069E-22	2.2485E-20	0.214025	hyper	sig	chr14_53953148
chr8	48735196	48735196	+	8.069E-22	2.2485E-20	0.26706	hyper	sig	chr8_48735196
chr19	49143034	49143034	+	8.074E-22	2.2498E-20	0.233888	hyper	sig	chr19_49143034
chr1	54885150	54885150	+	8.081E-22	2.2516E-20	-0.28603	hypo	sig	chr1_54885150
chr22	26165609	26165609	+	8.083E-22	2.2522E-20	-0.29233	hypo	sig	chr22_26165609
chr19	437099	437099	+	8.089E-22	2.2537E-20	-0.32137	hypo	sig	chr19_437099
chr2	44932633	44932633	+	8.09E-22	2.2538E-20	0.41481	hyper	sig	chr2_44932633
chr16	66604320	66604320	+	8.093E-22	2.2548E-20	0.336706	hyper	sig	chr16_66604320
chr19	57363918	57363918	+	8.099E-22	2.2564E-20	0.216642	hyper	sig	chr19_57363918
chr10	13892368	13892368	+	8.1E-22	2.2564E-20	0.287734	hyper	sig	chr10_13892368

chr3	56775469	56775469	+	8.113E-22	2.2601E-20	0.24096	hyper	sig	chr3_56775469
chr4	7644360	7644360	+	8.114E-22	2.2602E-20	-0.30413	hypo	sig	chr4_7644360
chr16	29289386	29289386	+	8.125E-22	2.263E-20	-0.24822	hypo	sig	chr16_29289386
chr9	1.3E+08	129608948	+	8.127E-22	2.2636E-20	-0.33219	hypo	sig	chr9_129608948
chr7	73374031	73374031	+	8.131E-22	2.2646E-20	-0.35334	hypo	sig	chr7_73374031
chr14	69850383	69850383	+	8.131E-22	2.2646E-20	-0.38906	hypo	sig	chr14_69850383
chr6	1.29E+08	128882638	+	8.133E-22	2.2651E-20	-0.29964	hypo	sig	chr6_128882638
chr16	88393119	88393119	+	8.138E-22	2.2663E-20	-0.22713	hypo	sig	chr16_88393119
chr6	10425399	10425399	+	8.146E-22	2.2685E-20	0.307494	hyper	sig	chr6_10425399
chr12	53961612	53961612	+	8.157E-22	2.2714E-20	0.391359	hyper	sig	chr12_53961612
chr13	27918927	27918927	+	8.158E-22	2.2718E-20	0.303579	hyper	sig	chr13_27918927
chr22	29313344	29313344	+	8.163E-22	2.273E-20	0.212302	hyper	sig	chr22_29313344
chr7	44141752	44141752	+	8.171E-22	2.275E-20	-0.38479	hypo	sig	chr7_44141752
chr6	7468740	7468740	+	8.172E-22	2.2753E-20	-0.29145	hypo	sig	chr6_7468740
chr4	8394199	8394199	+	8.173E-22	2.2756E-20	0.272008	hyper	sig	chr4_8394199
chr6	13767437	13767437	+	8.175E-22	2.2759E-20	0.281155	hyper	sig	chr6_13767437
chr17	4901137	4901137	+	8.177E-22	2.2765E-20	0.325621	hyper	sig	chr17_4901137
chr2	2.41E+08	240921541	+	8.184E-22	2.2783E-20	-0.32491	hypo	sig	chr2_240921541
chr8	21788670	21788670	+	8.185E-22	2.2784E-20	0.21533	hyper	sig	chr8_21788670
chr4	1.9E+08	190018102	+	8.188E-22	2.2793E-20	0.316058	hyper	sig	chr4_190018102
chr13	1.08E+08	107868070	+	8.193E-22	2.2806E-20	0.246038	hyper	sig	chr13_107868070
chr6	32047988	32047988	+	8.194E-22	2.2808E-20	-0.40656	hypo	sig	chr6_32047988
chr3	48661972	48661972	+	8.195E-22	2.2811E-20	0.261536	hyper	sig	chr3_48661972
chr2	2.42E+08	241815216	+	8.196E-22	2.2812E-20	-0.44128	hypo	sig	chr2_241815216
chr11	92225237	92225237	+	8.201E-22	2.2824E-20	0.285489	hyper	sig	chr11_92225237
chr16	62036182	62036182	+	8.207E-22	2.2842E-20	0.257376	hyper	sig	chr16_62036182
chr16	760757	760757	+	8.213E-22	2.2857E-20	-0.35028	hypo	sig	chr16_760757
chr7	97021799	97021799	+	8.22E-22	2.2875E-20	0.340605	hyper	sig	chr7_97021799
chr4	41880941	41880941	+	8.25E-22	2.2958E-20	0.27666	hyper	sig	chr4_41880941
chr12	1.23E+08	123042597	+	8.265E-22	2.3E-20	0.301299	hyper	sig	chr12_123042597
chr19	57099494	57099494	+	8.272E-22	2.3018E-20	0.365955	hyper	sig	chr19_57099494
chr7	97017758	97017758	+	8.284E-22	2.3049E-20	0.411925	hyper	sig	chr7_97017758
chr8	1.41E+08	141207259	+	8.294E-22	2.3077E-20	-0.37763	hypo	sig	chr8_141207259
chr5	54883843	54883843	+	8.296E-22	2.3082E-20	0.230319	hyper	sig	chr5_54883843
chr16	1150000	1150000	+	8.298E-22	2.3086E-20	0.299966	hyper	sig	chr16_1150000
chr14	28765956	28765956	+	8.308E-22	2.3115E-20	0.258762	hyper	sig	chr14_28765956
chr3	75641273	75641273	+	8.33E-22	2.3174E-20	0.27794	hyper	sig	chr3_75641273
chr2	2.27E+08	226798364	+	8.34E-22	2.3201E-20	0.269209	hyper	sig	chr2_226798364
chr19	11194577	11194577	+	8.342E-22	2.3205E-20	0.332408	hyper	sig	chr19_11194577
chr17	48550047	48550047	+	8.343E-22	2.3208E-20	0.223126	hyper	sig	chr17_48550047
chr1	3359943	3359943	+	8.347E-22	2.3217E-20	-0.30445	hypo	sig	chr1_3359943
chr6	1.33E+08	133242204	+	8.351E-22	2.3227E-20	0.230444	hyper	sig	chr6_133242204
chr6	10390670	10390670	+	8.357E-22	2.3244E-20	0.315365	hyper	sig	chr6_10390670
chr3	1.47E+08	147392422	+	8.357E-22	2.3244E-20	0.264368	hyper	sig	chr3_147392422
chr2	1768317	1768317	+	8.366E-22	2.3266E-20	-0.21413	hypo	sig	chr2_1768317
chr21	44452402	44452402	+	8.366E-22	2.3266E-20	-0.29177	hypo	sig	chr21_44452402
chr8	23705706	23705706	+	8.367E-22	2.3269E-20	0.308468	hyper	sig	chr8_23705706
chr13	1.12E+08	111559011	+	8.37E-22	2.3277E-20	-0.38237	hypo	sig	chr13_111559011
chr11	66559296	66559296	+	8.377E-22	2.3294E-20	0.255868	hyper	sig	chr11_66559296
chr5	1.41E+08	141476732	+	8.394E-22	2.3342E-20	0.221879	hyper	sig	chr5_141476732
chr14	44963349	44963349	+	8.406E-22	2.3375E-20	0.325547	hyper	sig	chr14_44963349
chr13	1.11E+08	110628658	+	8.407E-22	2.3375E-20	0.238043	hyper	sig	chr13_110628658
chr13	1.13E+08	113420036	+	8.415E-22	2.3398E-20	-0.37348	hypo	sig	chr13_113420036
chr22	43892275	43892275	+	8.426E-22	2.3426E-20	0.226747	hyper	sig	chr22_43892275
chr1	8211858	8211858	+	8.437E-22	2.3458E-20	-0.33498	hypo	sig	chr1_8211858
chr11	1.19E+08	119029627	+	8.448E-22	2.3487E-20	-0.29266	hypo	sig	chr11_119029627

chr20	46513235	46513235	+	8.448E-22	2.3487E-20	0.328747	hyper	sig	chr20_46513235
chr2	1.61E+08	161281183	+	8.454E-22	2.3501E-20	-0.34002	hypo	sig	chr2_161281183
chr7	1.43E+08	142797230	+	8.457E-22	2.351E-20	0.236876	hyper	sig	chr7_142797230
chr17	1137824	1137824	+	8.46E-22	2.3516E-20	-0.29659	hypo	sig	chr17_1137824
chr8	1.44E+08	143598920	+	8.46E-22	2.3516E-20	0.236423	hyper	sig	chr8_143598920
chr19	3600676	3600676	+	8.462E-22	2.3521E-20	-0.2186	hypo	sig	chr19_3600676
chr11	66011496	66011496	+	8.469E-22	2.3539E-20	-0.31069	hypo	sig	chr11_66011496
chr3	1.97E+08	196660634	+	8.472E-22	2.3546E-20	-0.3442	hypo	sig	chr3_196660634
chr5	1.41E+08	141432075	+	8.482E-22	2.3574E-20	0.327145	hyper	sig	chr5_141432075
chr11	1.12E+08	111912861	+	8.486E-22	2.3585E-20	0.285126	hyper	sig	chr11_111912861
chr6	1.59E+08	159170435	+	8.488E-22	2.3589E-20	0.259126	hyper	sig	chr6_159170435
chr4	72031916	72031916	+	8.492E-22	2.36E-20	0.321515	hyper	sig	chr4_72031916
chr7	21542886	21542886	+	8.502E-22	2.3625E-20	0.257492	hyper	sig	chr7_21542886
chr10	23192674	23192674	+	8.508E-22	2.3643E-20	0.331617	hyper	sig	chr10_23192674
chr4	42345981	42345981	+	8.513E-22	2.3655E-20	0.222476	hyper	sig	chr4_42345981
chr5	1.79E+08	179023697	+	8.513E-22	2.3655E-20	0.205013	hyper	sig	chr5_179023697
chr11	40293829	40293829	+	8.517E-22	2.3664E-20	0.279489	hyper	sig	chr11_40293829
chr1	2.1E+08	210328306	+	8.518E-22	2.3666E-20	0.3041	hyper	sig	chr1_210328306
chr1	75130476	75130476	+	8.537E-22	2.3718E-20	0.231728	hyper	sig	chr1_75130476
chr3	1.2E+08	120285578	+	8.538E-22	2.3722E-20	0.359723	hyper	sig	chr3_120285578
chr8	21913935	21913935	+	8.544E-22	2.3735E-20	-0.2394	hypo	sig	chr8_21913935
chr11	27721929	27721929	+	8.553E-22	2.3759E-20	0.228937	hyper	sig	chr11_27721929
chr7	1.56E+08	155803683	+	8.553E-22	2.3759E-20	0.307261	hyper	sig	chr7_155803683
chr8	71558121	71558121	+	8.558E-22	2.3772E-20	0.24789	hyper	sig	chr8_71558121
chr17	63701004	63701004	+	8.56E-22	2.3778E-20	0.287227	hyper	sig	chr17_63701004
chr6	1.66E+08	165988928	+	8.594E-22	2.3871E-20	0.346517	hyper	sig	chr6_165988928
chr7	1.59E+08	159144051	+	8.594E-22	2.3871E-20	0.32472	hyper	sig	chr7_159144051
chr11	64891272	64891272	+	8.596E-22	2.3877E-20	-0.25745	hypo	sig	chr11_64891272
chr9	97852751	97852751	+	8.599E-22	2.3883E-20	0.302045	hyper	sig	chr9_97852751
chr6	1.69E+08	168909466	+	8.604E-22	2.3896E-20	-0.24106	hypo	sig	chr6_168909466
chr22	44172953	44172953	+	8.608E-22	2.3905E-20	-0.22663	hypo	sig	chr22_44172953
chr1	96482767	96482767	+	8.611E-22	2.3914E-20	0.330677	hyper	sig	chr1_96482767
chr18	12254325	12254325	+	8.612E-22	2.3916E-20	0.281093	hyper	sig	chr18_12254325
chr1	30772608	30772608	+	8.616E-22	2.3926E-20	-0.28591	hypo	sig	chr1_30772608
chr10	23173389	23173389	+	8.618E-22	2.3932E-20	0.397621	hyper	sig	chr10_23173389
chr20	40690875	40690875	+	8.629E-22	2.3959E-20	0.272592	hyper	sig	chr20_40690875
chr19	42272750	42272750	+	8.631E-22	2.3964E-20	0.324483	hyper	sig	chr19_42272750
chr3	1.61E+08	161105568	+	8.639E-22	2.3987E-20	0.249495	hyper	sig	chr3_161105568
chr10	69450948	69450948	+	8.649E-22	2.4014E-20	-0.26203	hypo	sig	chr10_69450948
chr2	58428922	58428922	+	8.651E-22	2.4018E-20	0.321637	hyper	sig	chr2_58428922
chr6	1.37E+08	137492744	+	8.651E-22	2.4018E-20	0.344986	hyper	sig	chr6_137492744
chr1	1.1E+08	109763885	+	8.655E-22	2.4028E-20	-0.30713	hypo	sig	chr1_109763885
chr16	29148840	29148840	+	8.66E-22	2.404E-20	-0.27345	hypo	sig	chr16_29148840
chr5	12795273	12795273	+	8.661E-22	2.4041E-20	-0.26322	hypo	sig	chr5_12795273
chr17	82882993	82882993	+	8.665E-22	2.4051E-20	-0.29131	hypo	sig	chr17_82882993
chr1	1.81E+08	181318506	+	8.682E-22	2.4099E-20	0.277383	hyper	sig	chr1_181318506
chr16	29154464	29154464	+	8.69E-22	2.4119E-20	0.235025	hyper	sig	chr16_29154464
chr7	20779313	20779313	+	8.693E-22	2.4127E-20	0.299866	hyper	sig	chr7_20779313
chr10	22477217	22477217	+	8.694E-22	2.413E-20	0.310506	hyper	sig	chr10_22477217
chr5	79069868	79069868	+	8.704E-22	2.4156E-20	0.351779	hyper	sig	chr5_79069868
chr20	21706789	21706789	+	8.711E-22	2.4176E-20	0.309317	hyper	sig	chr20_21706789
chr7	54544642	54544642	+	8.714E-22	2.4183E-20	0.321494	hyper	sig	chr7_54544642
chr11	20605508	20605508	+	8.721E-22	2.4201E-20	0.308385	hyper	sig	chr11_20605508
chr1	10679144	10679144	+	8.73E-22	2.4224E-20	0.263235	hyper	sig	chr1_10679144
chr2	81195245	81195245	+	8.732E-22	2.423E-20	-0.33863	hypo	sig	chr2_81195245
chr7	30682281	30682281	+	8.737E-22	2.4243E-20	0.273989	hyper	sig	chr7_30682281

chr11	32438040	32438040	+	8.74E-22	2.425E-20	0.273605	hyper	sig	chr11_32438040
chr8	23706447	23706447	+	8.743E-22	2.4258E-20	0.229763	hyper	sig	chr8_23706447
chr16	10183439	10183439	+	8.754E-22	2.4289E-20	0.201774	hyper	sig	chr16_10183439
chr19	6703143	6703143	+	8.757E-22	2.4296E-20	-0.26283	hypo	sig	chr19_6703143
chr3	1.36E+08	135965321	+	8.777E-22	2.4349E-20	0.240593	hyper	sig	chr3_135965321
chr5	38462625	38462625	+	8.788E-22	2.4378E-20	-0.32962	hypo	sig	chr5_38462625
chr8	1694382	1694382	+	8.788E-22	2.4378E-20	-0.22328	hypo	sig	chr8_1694382
chr8	11703999	11703999	+	8.79E-22	2.4383E-20	0.211523	hyper	sig	chr8_11703999
chr7	73827630	73827630	+	8.791E-22	2.4386E-20	-0.27614	hypo	sig	chr7_73827630
chr7	1123849	1123849	+	8.792E-22	2.4388E-20	0.303316	hyper	sig	chr7_1123849
chr7	1.01E+08	101269815	+	8.794E-22	2.4391E-20	-0.26738	hypo	sig	chr7_101269815
chr2	97728456	97728456	+	8.795E-22	2.4393E-20	-0.36327	hypo	sig	chr2_97728456
chr13	67229997	67229997	+	8.797E-22	2.4399E-20	0.232432	hyper	sig	chr13_67229997
chr10	23192627	23192627	+	8.801E-22	2.4408E-20	0.345158	hyper	sig	chr10_23192627
chr7	1.55E+08	155467705	+	8.802E-22	2.4409E-20	0.288202	hyper	sig	chr7_155467705
chr16	83935295	83935295	+	8.803E-22	2.4412E-20	-0.32081	hypo	sig	chr16_83935295
chr4	1.07E+08	107035955	+	8.812E-22	2.4436E-20	0.337188	hyper	sig	chr4_107035955
chr9	1.28E+08	127741887	+	8.842E-22	2.4516E-20	0.400737	hyper	sig	chr9_127741887
chr5	37840655	37840655	+	8.844E-22	2.4522E-20	0.266921	hyper	sig	chr5_37840655
chr9	1.38E+08	138117860	+	8.854E-22	2.4548E-20	-0.26043	hypo	sig	chr9_138117860
chr1	6034277	6034277	+	8.858E-22	2.4559E-20	0.25405	hyper	sig	chr1_6034277
chr10	86263295	86263295	+	8.864E-22	2.4576E-20	0.365262	hyper	sig	chr10_86263295
chr11	69086309	69086309	+	8.866E-22	2.458E-20	0.295768	hyper	sig	chr11_69086309
chr7	66505115	66505115	+	8.885E-22	2.463E-20	-0.35794	hypo	sig	chr7_66505115
chr4	1.74E+08	173524192	+	8.893E-22	2.4652E-20	0.289569	hyper	sig	chr4_173524192
chr15	99005849	99005849	+	8.902E-22	2.4677E-20	-0.25126	hypo	sig	chr15_99005849
chr1	1315952	1315952	+	8.906E-22	2.4688E-20	0.274696	hyper	sig	chr1_1315952
chr2	26942660	26942660	+	8.912E-22	2.4704E-20	0.30843	hyper	sig	chr2_26942660
chr19	50639329	50639329	+	8.925E-22	2.4738E-20	0.250611	hyper	sig	chr19_50639329
chr5	1.5E+08	150189974	+	8.932E-22	2.4758E-20	0.308852	hyper	sig	chr5_150189974
chr10	21167036	21167036	+	8.947E-22	2.4796E-20	-0.39524	hypo	sig	chr10_21167036
chr7	1.57E+08	157466173	+	8.958E-22	2.4827E-20	0.240428	hyper	sig	chr7_157466173
chr3	58440137	58440137	+	8.958E-22	2.4827E-20	-0.27145	hypo	sig	chr3_58440137
chr19	36245756	36245756	+	8.961E-22	2.4834E-20	0.326214	hyper	sig	chr19_36245756
chr6	27680851	27680851	+	8.972E-22	2.4862E-20	0.334917	hyper	sig	chr6_27680851
chr2	26693630	26693630	+	8.976E-22	2.4873E-20	0.248646	hyper	sig	chr2_26693630
chr7	35257448	35257448	+	8.982E-22	2.4889E-20	0.28839	hyper	sig	chr7_35257448
chr1	1.96E+08	195722021	+	9E-22	2.4937E-20	-0.35644	hypo	sig	chr1_195722021
chr17	4433845	4433845	+	9.012E-22	2.497E-20	-0.30754	hypo	sig	chr17_4433845
chr1	65792155	65792155	+	9.017E-22	2.4984E-20	0.297357	hyper	sig	chr1_65792155
chr9	1.32E+08	131530584	+	9.024E-22	2.5002E-20	0.270866	hyper	sig	chr9_131530584
chr2	1.32E+08	132257151	+	9.033E-22	2.5025E-20	0.325656	hyper	sig	chr2_132257151
chr17	8316053	8316053	+	9.034E-22	2.5029E-20	0.362608	hyper	sig	chr17_8316053
chr3	1.47E+08	147388841	+	9.041E-22	2.5048E-20	0.283532	hyper	sig	chr3_147388841
chr1	1.44E+08	143667601	+	9.045E-22	2.5058E-20	0.313432	hyper	sig	chr1_143667601
chr17	1203872	1203872	+	9.053E-22	2.508E-20	0.307775	hyper	sig	chr17_1203872
chr1	1.81E+08	180913445	+	9.06E-22	2.5096E-20	0.249973	hyper	sig	chr1_180913445
chr2	2.22E+08	222299107	+	9.076E-22	2.5141E-20	0.243812	hyper	sig	chr2_222299107
chr12	54417978	54417978	+	9.082E-22	2.5156E-20	0.289468	hyper	sig	chr12_54417978
chr7	24283940	24283940	+	9.086E-22	2.5167E-20	0.350264	hyper	sig	chr7_24283940
chr1	1.48E+08	148309971	+	9.094E-22	2.5187E-20	0.376519	hyper	sig	chr1_148309971
chr12	1.32E+08	132343797	+	9.097E-22	2.5196E-20	0.313031	hyper	sig	chr12_132343797
chr3	1.47E+08	147380798	+	9.103E-22	2.5211E-20	0.308091	hyper	sig	chr3_147380798
chr19	15181674	15181674	+	9.11E-22	2.5228E-20	-0.37198	hypo	sig	chr19_15181674
chr19	22010738	22010738	+	9.12E-22	2.5256E-20	0.278818	hyper	sig	chr19_22010738
chr8	93699937	93699937	+	9.126E-22	2.5271E-20	0.250318	hyper	sig	chr8_93699937

chr4	1.56E+08	155760229	+	9.128E-22	2.5275E-20	0.212568	hyper	sig	chr4_155760229
chr14	1.04E+08	104422731	+	9.133E-22	2.5288E-20	0.295751	hyper	sig	chr14_104422731
chr1	2174774	2174774	+	9.139E-22	2.5304E-20	0.325314	hyper	sig	chr1_2174774
chr3	1.47E+08	147422342	+	9.146E-22	2.5321E-20	0.311554	hyper	sig	chr3_147422342
chr12	52849012	52849012	+	9.15E-22	2.5333E-20	-0.23529	hypo	sig	chr12_52849012
chr2	2.19E+08	218962091	+	9.153E-22	2.5338E-20	0.260202	hyper	sig	chr2_218962091
chr22	37805733	37805733	+	9.163E-22	2.5365E-20	0.269826	hyper	sig	chr22_37805733
chr16	3184207	3184207	+	9.167E-22	2.5375E-20	0.3061	hyper	sig	chr16_3184207
chr6	401372	401372	+	9.169E-22	2.538E-20	-0.28674	hypo	sig	chr6_401372
chr1	16018754	16018754	+	9.173E-22	2.539E-20	0.219952	hyper	sig	chr1_16018754
chr5	392803	392803	+	9.191E-22	2.5439E-20	-0.32087	hypo	sig	chr5_392803
chr5	38557295	38557295	+	9.192E-22	2.5441E-20	0.208291	hyper	sig	chr5_38557295
chr17	77320398	77320398	+	9.195E-22	2.545E-20	0.301294	hyper	sig	chr17_77320398
chr5	3591558	3591558	+	9.203E-22	2.5471E-20	0.325567	hyper	sig	chr5_3591558
chr12	6914201	6914201	+	9.211E-22	2.5493E-20	0.20484	hyper	sig	chr12_6914201
chr10	1.33E+08	132848736	+	9.214E-22	2.5499E-20	-0.26816	hypo	sig	chr10_132848736
chr12	1.15E+08	114687302	+	9.214E-22	2.5499E-20	0.332211	hyper	sig	chr12_114687302
chr1	1332409	1332409	+	9.215E-22	2.5501E-20	-0.33637	hypo	sig	chr1_1332409
chr12	6377432	6377432	+	9.224E-22	2.5525E-20	-0.28712	hypo	sig	chr12_6377432
chr14	1.01E+08	101022195	+	9.226E-22	2.5528E-20	-0.27495	hypo	sig	chr14_101022195
chr6	1.68E+08	168342909	+	9.226E-22	2.5528E-20	-0.32427	hypo	sig	chr6_168342909
chr7	4882428	4882428	+	9.227E-22	2.553E-20	0.262335	hyper	sig	chr7_4882428
chr2	2.27E+08	226798375	+	9.238E-22	2.556E-20	0.222698	hyper	sig	chr2_226798375
chr5	1106003	1106003	+	9.252E-22	2.5599E-20	-0.25615	hypo	sig	chr5_1106003
chr15	89406381	89406381	+	9.259E-22	2.5616E-20	0.213245	hyper	sig	chr15_89406381
chr5	1.62E+08	161545992	+	9.265E-22	2.5631E-20	0.2511	hyper	sig	chr5_161545992
chr19	5838988	5838988	+	9.269E-22	2.5641E-20	-0.27173	hypo	sig	chr19_5838988
chr5	1.41E+08	141094599	+	9.274E-22	2.5656E-20	0.283525	hyper	sig	chr5_141094599
chr11	1.12E+08	112499822	+	9.275E-22	2.5657E-20	-0.3256	hypo	sig	chr11_112499822
chr12	1.32E+08	132202346	+	9.288E-22	2.5691E-20	-0.34133	hypo	sig	chr12_132202346
chr20	63120568	63120568	+	9.294E-22	2.5708E-20	-0.33408	hypo	sig	chr20_63120568
chr10	1.33E+08	132627581	+	9.305E-22	2.5737E-20	0.239595	hyper	sig	chr10_132627581
chr16	56190829	56190829	+	9.333E-22	2.5814E-20	0.202834	hyper	sig	chr16_56190829
chr2	25167656	25167656	+	9.335E-22	2.5818E-20	0.312513	hyper	sig	chr2_25167656
chr10	7667928	7667928	+	9.34E-22	2.5832E-20	0.315379	hyper	sig	chr10_7667928
chr12	15322579	15322579	+	9.365E-22	2.5897E-20	0.278342	hyper	sig	chr12_15322579
chr11	68854501	68854501	+	9.372E-22	2.5918E-20	0.3619	hyper	sig	chr11_68854501
chr12	15323167	15323167	+	9.378E-22	2.5933E-20	0.232078	hyper	sig	chr12_15323167
chr3	1.34E+08	133674123	+	9.386E-22	2.5953E-20	0.299844	hyper	sig	chr3_133674123
chr1	63319922	63319922	+	9.39E-22	2.5963E-20	0.312704	hyper	sig	chr1_63319922
chr1	90834718	90834718	+	9.39E-22	2.5963E-20	0.322895	hyper	sig	chr1_90834718
chr19	45529572	45529572	+	9.393E-22	2.597E-20	0.228377	hyper	sig	chr19_45529572
chr17	28384703	28384703	+	9.407E-22	2.6008E-20	-0.24702	hypo	sig	chr17_28384703
chr1	2.29E+08	229433861	+	9.416E-22	2.6032E-20	0.340149	hyper	sig	chr1_229433861
chr4	1.67E+08	167234008	+	9.42E-22	2.6042E-20	0.236957	hyper	sig	chr4_167234008
chr10	1404743	1404743	+	9.424E-22	2.6051E-20	-0.29708	hypo	sig	chr10_1404743
chr8	17026873	17026873	+	9.426E-22	2.6057E-20	0.304861	hyper	sig	chr8_17026873
chr9	1.09E+08	109167479	+	9.43E-22	2.6067E-20	0.335064	hyper	sig	chr9_109167479
chr5	1.77E+08	176549368	+	9.44E-22	2.6093E-20	-0.26522	hypo	sig	chr5_176549368
chr10	35608049	35608049	+	9.445E-22	2.6105E-20	0.315169	hyper	sig	chr10_35608049
chr1	71046802	71046802	+	9.447E-22	2.6112E-20	0.311447	hyper	sig	chr1_71046802
chr5	1.81E+08	181059730	+	9.449E-22	2.6116E-20	0.247427	hyper	sig	chr5_181059730
chr12	81077978	81077978	+	9.461E-22	2.6148E-20	0.297541	hyper	sig	chr12_81077978
chr2	94857031	94857031	+	9.462E-22	2.6149E-20	0.299564	hyper	sig	chr2_94857031
chr8	38601631	38601631	+	9.463E-22	2.6151E-20	-0.28086	hypo	sig	chr8_38601631
chr8	23707171	23707171	+	9.479E-22	2.6193E-20	0.283983	hyper	sig	chr8_23707171

chr12	1.13E+08	113479274	+	9.48E-22	2.6195E-20	0.225787	hyper	sig	chr12_113479274
chr20	17225947	17225947	+	9.487E-22	2.6213E-20	0.363615	hyper	sig	chr20_17225947
chr17	42563187	42563187	+	9.49E-22	2.6223E-20	-0.29969	hypo	sig	chr17_42563187
chr12	49625893	49625893	+	9.496E-22	2.6238E-20	0.325439	hyper	sig	chr12_49625893
chr2	2.42E+08	242011573	+	9.505E-22	2.6261E-20	-0.28504	hypo	sig	chr2_242011573
chr7	1.01E+08	101299736	+	9.511E-22	2.6276E-20	0.322581	hyper	sig	chr7_101299736
chr7	27124207	27124207	+	9.514E-22	2.6284E-20	0.307623	hyper	sig	chr7_27124207
chr5	3606919	3606919	+	9.515E-22	2.6287E-20	0.318582	hyper	sig	chr5_3606919
chr18	52339991	52339991	+	9.525E-22	2.6314E-20	0.241325	hyper	sig	chr18_52339991
chr1	3141670	3141670	+	9.526E-22	2.6315E-20	-0.28904	hypo	sig	chr1_3141670
chr7	22664697	22664697	+	9.535E-22	2.634E-20	-0.31645	hypo	sig	chr7_22664697
chr5	1878546	1878546	+	9.541E-22	2.6355E-20	0.31215	hyper	sig	chr5_1878546
chr4	26804687	26804687	+	9.551E-22	2.638E-20	0.284892	hyper	sig	chr4_26804687
chr5	31193813	31193813	+	9.551E-22	2.638E-20	0.346725	hyper	sig	chr5_31193813
chr17	8479623	8479623	+	9.556E-22	2.6393E-20	0.308824	hyper	sig	chr17_8479623
chr5	1.8E+08	179966940	+	9.563E-22	2.6412E-20	-0.28615	hypo	sig	chr5_179966940
chr5	59893961	59893961	+	9.582E-22	2.6464E-20	0.255667	hyper	sig	chr5_59893961
chr11	27723297	27723297	+	9.583E-22	2.6466E-20	0.245105	hyper	sig	chr11_27723297
chr1	24535328	24535328	+	9.593E-22	2.6489E-20	-0.26222	hypo	sig	chr1_24535328
chr7	1.32E+08	131941996	+	9.593E-22	2.6489E-20	-0.20601	hypo	sig	chr7_131941996
chr7	97951290	97951290	+	9.595E-22	2.6494E-20	-0.29867	hypo	sig	chr7_97951290
chr12	1.14E+08	114439607	+	9.598E-22	2.6502E-20	0.314363	hyper	sig	chr12_114439607
chr5	17656572	17656572	+	9.611E-22	2.6537E-20	-0.32019	hypo	sig	chr5_17656572
chr9	3181021	3181021	+	9.616E-22	2.6549E-20	0.237821	hyper	sig	chr9_3181021
chr2	3149554	3149554	+	9.62E-22	2.656E-20	0.423274	hyper	sig	chr2_3149554
chr1	12540700	12540700	+	9.627E-22	2.658E-20	0.268323	hyper	sig	chr1_12540700
chr13	1.14E+08	114110767	+	9.63E-22	2.6587E-20	-0.31822	hypo	sig	chr13_114110767
chr6	50849453	50849453	+	9.634E-22	2.6596E-20	0.333662	hyper	sig	chr6_50849453
chr12	57236639	57236639	+	9.645E-22	2.6626E-20	0.336425	hyper	sig	chr12_57236639
chr6	30172163	30172163	+	9.647E-22	2.6631E-20	0.285005	hyper	sig	chr6_30172163
chr7	73833283	73833283	+	9.657E-22	2.6656E-20	-0.34317	hypo	sig	chr7_73833283
chr11	2161414	2161414	+	9.659E-22	2.666E-20	-0.28473	hypo	sig	chr11_2161414
chr16	761110	761110	+	9.675E-22	2.6704E-20	-0.33967	hypo	sig	chr16_761110
chr5	1.41E+08	141344293	+	9.684E-22	2.6729E-20	0.251659	hyper	sig	chr5_141344293
chr3	9955493	9955493	+	9.687E-22	2.6736E-20	0.267617	hyper	sig	chr3_9955493
chr7	1.22E+08	122300241	+	9.689E-22	2.6741E-20	0.334868	hyper	sig	chr7_122300241
chr1	1926725	1926725	+	9.698E-22	2.6766E-20	-0.34306	hypo	sig	chr1_1926725
chr5	2643185	2643185	+	9.721E-22	2.6828E-20	0.316318	hyper	sig	chr5_2643185
chr19	8210228	8210228	+	9.73E-22	2.685E-20	0.345635	hyper	sig	chr19_8210228
chr2	88017328	88017328	+	9.745E-22	2.6891E-20	-0.20915	hypo	sig	chr2_88017328
chr4	2812429	2812429	+	9.747E-22	2.6895E-20	-0.31457	hypo	sig	chr4_2812429
chr9	2623659	2623659	+	9.752E-22	2.691E-20	0.222828	hyper	sig	chr9_2623659
chr2	2.22E+08	222304222	+	9.766E-22	2.6946E-20	0.225534	hyper	sig	chr2_222304222
chr5	1.41E+08	140801281	+	9.769E-22	2.6954E-20	0.325133	hyper	sig	chr5_140801281
chr14	85532262	85532262	+	9.786E-22	2.7001E-20	0.243963	hyper	sig	chr14_85532262
chr4	1.09E+08	109302660	+	9.788E-22	2.7004E-20	0.29701	hyper	sig	chr4_109302660
chr17	35752697	35752697	+	9.788E-22	2.7005E-20	-0.29877	hypo	sig	chr17_35752697
chr19	19860801	19860801	+	9.789E-22	2.7005E-20	0.311803	hyper	sig	chr19_19860801
chr1	9198600	9198600	+	9.813E-22	2.7072E-20	0.30565	hyper	sig	chr1_9198600
chr10	1.17E+08	117132159	+	9.823E-22	2.7096E-20	0.331933	hyper	sig	chr10_117132159
chr8	98426486	98426486	+	9.826E-22	2.7105E-20	0.438435	hyper	sig	chr8_98426486
chr5	64506604	64506604	+	9.836E-22	2.7133E-20	0.223714	hyper	sig	chr5_64506604
chr2	20670470	20670470	+	9.837E-22	2.7133E-20	0.288233	hyper	sig	chr2_20670470
chr7	1.57E+08	157462562	+	9.846E-22	2.7156E-20	-0.27062	hypo	sig	chr7_157462562
chr1	90716731	90716731	+	9.848E-22	2.7163E-20	0.325094	hyper	sig	chr1_90716731
chr6	33194729	33194729	+	9.866E-22	2.721E-20	0.250465	hyper	sig	chr6_33194729

chr15	89409469	89409469	+	9.87E-22	2.7219E-20	0.350347	hyper	sig	chr15_89409469
chr1	2.07E+08	207052079	+	9.871E-22	2.7222E-20	-0.27274	hypo	sig	chr1_207052079
chr11	68798325	68798325	+	9.875E-22	2.7232E-20	0.308672	hyper	sig	chr11_68798325
chr20	38726575	38726575	+	9.886E-22	2.7262E-20	0.315026	hyper	sig	chr20_38726575
chr3	1.33E+08	133410739	+	9.895E-22	2.7284E-20	-0.27729	hypo	sig	chr3_133410739
chr13	1.14E+08	114005301	+	9.912E-22	2.733E-20	-0.34639	hypo	sig	chr13_114005301
chr4	1.33E+08	133148438	+	9.92E-22	2.7351E-20	0.310642	hyper	sig	chr4_133148438
chr5	2197151	2197151	+	9.926E-22	2.7366E-20	0.314452	hyper	sig	chr5_2197151
chr13	36345272	36345272	+	9.934E-22	2.7387E-20	0.275875	hyper	sig	chr13_36345272
chr11	1.25E+08	124748519	+	9.953E-22	2.744E-20	0.283563	hyper	sig	chr11_124748519
chr11	1.29E+08	128824253	+	9.969E-22	2.7482E-20	0.360149	hyper	sig	chr11_128824253
chr7	97013479	97013479	+	9.972E-22	2.7491E-20	0.310438	hyper	sig	chr7_97013479
chr6	73225547	73225547	+	9.985E-22	2.7525E-20	-0.33548	hypo	sig	chr6_73225547
chr17	48554604	48554604	+	9.99E-22	2.7538E-20	0.314149	hyper	sig	chr17_48554604
chr16	83626449	83626449	+	1.004E-21	2.7672E-20	-0.32281	hypo	sig	chr16_83626449
chr19	33274684	33274684	+	1.004E-21	2.7678E-20	-0.22444	hypo	sig	chr19_33274684
chr7	56116283	56116283	+	1.005E-21	2.7693E-20	0.283606	hyper	sig	chr7_56116283
chr1	1.19E+08	118980221	+	1.005E-21	2.7698E-20	0.416294	hyper	sig	chr1_118980221
chr5	1.78E+08	178165803	+	1.005E-21	2.7704E-20	0.326035	hyper	sig	chr5_178165803
chr2	1.11E+08	111366489	+	1.006E-21	2.7715E-20	0.403106	hyper	sig	chr2_111366489
chr20	21702225	21702225	+	1.006E-21	2.7715E-20	0.306102	hyper	sig	chr20_21702225
chr4	44448299	44448299	+	1.007E-21	2.7748E-20	0.200477	hyper	sig	chr4_44448299
chr14	74019961	74019961	+	1.007E-21	2.7751E-20	0.221666	hyper	sig	chr14_74019961
chr1	1.57E+08	156647012	+	1.007E-21	2.7755E-20	0.309784	hyper	sig	chr1_156647012
chr20	62476342	62476342	+	1.007E-21	2.7755E-20	0.283653	hyper	sig	chr20_62476342
chr5	1190465	1190465	+	1.008E-21	2.7775E-20	0.236307	hyper	sig	chr5_1190465
chr6	33804240	33804240	+	1.009E-21	2.7787E-20	-0.28322	hypo	sig	chr6_33804240
chr17	49564652	49564652	+	1.009E-21	2.7798E-20	-0.32815	hypo	sig	chr17_49564652
chr7	1.22E+08	122316696	+	1.01E-21	2.7824E-20	0.23138	hyper	sig	chr7_122316696
chr11	65546602	65546602	+	1.01E-21	2.7835E-20	-0.23998	hypo	sig	chr11_65546602
chr12	1.2E+08	119803586	+	1.01E-21	2.7836E-20	0.306306	hyper	sig	chr12_119803586
chr8	49910908	49910908	+	1.011E-21	2.7845E-20	0.230513	hyper	sig	chr8_49910908
chr2	64607096	64607096	+	1.012E-21	2.7864E-20	-0.28072	hypo	sig	chr2_64607096
chr11	30016175	30016175	+	1.012E-21	2.7864E-20	0.291715	hyper	sig	chr11_30016175
chr12	1.32E+08	132434252	+	1.012E-21	2.7879E-20	-0.27713	hypo	sig	chr12_132434252
chr1	2.43E+08	242524110	+	1.012E-21	2.7881E-20	0.313034	hyper	sig	chr1_242524110
chr22	46374747	46374747	+	1.013E-21	2.7903E-20	-0.32349	hypo	sig	chr22_46374747
chr8	23573388	23573388	+	1.013E-21	2.7905E-20	0.284689	hyper	sig	chr8_23573388
chr16	56190668	56190668	+	1.014E-21	2.7916E-20	0.318723	hyper	sig	chr16_56190668
chr2	2.07E+08	206642804	+	1.014E-21	2.793E-20	0.289967	hyper	sig	chr2_206642804
chr22	36286804	36286804	+	1.015E-21	2.7946E-20	0.334319	hyper	sig	chr22_36286804
chr19	36421856	36421856	+	1.015E-21	2.7957E-20	0.290625	hyper	sig	chr19_36421856
chr22	33058637	33058637	+	1.015E-21	2.7959E-20	0.256788	hyper	sig	chr22_33058637
chr10	1.32E+08	132204569	+	1.016E-21	2.7987E-20	-0.29675	hypo	sig	chr10_132204569
chr1	2.13E+08	212667915	+	1.017E-21	2.8012E-20	0.280738	hyper	sig	chr1_212667915
chr5	6448930	6448930	+	1.018E-21	2.8022E-20	0.212686	hyper	sig	chr5_6448930
chr8	1552268	1552268	+	1.018E-21	2.8022E-20	0.357401	hyper	sig	chr8_1552268
chr14	88326889	88326889	+	1.02E-21	2.8086E-20	0.25278	hyper	sig	chr14_88326889
chr20	63775449	63775449	+	1.02E-21	2.809E-20	0.361785	hyper	sig	chr20_63775449
chr2	1.82E+08	181684445	+	1.02E-21	2.8093E-20	0.31155	hyper	sig	chr2_181684445
chr1	2.43E+08	243483016	+	1.022E-21	2.8122E-20	0.335678	hyper	sig	chr1_243483016
chr13	52599372	52599372	+	1.022E-21	2.8125E-20	0.256364	hyper	sig	chr13_52599372
chr2	2.22E+08	222295136	+	1.023E-21	2.8166E-20	0.419095	hyper	sig	chr2_222295136
chr12	48004110	48004110	+	1.023E-21	2.8166E-20	0.203345	hyper	sig	chr12_48004110
chr11	30584044	30584044	+	1.023E-21	2.817E-20	0.35533	hyper	sig	chr11_30584044
chr6	32764908	32764908	+	1.024E-21	2.8186E-20	-0.36241	hypo	sig	chr6_32764908

chr6	30685882	30685882	+	1.025E-21	2.8212E-20	0.282347	hyper	sig	chr6_30685882
chr9	77019970	77019970	+	1.025E-21	2.8215E-20	0.32727	hyper	sig	chr9_77019970
chr1	2.06E+08	205850051	+	1.026E-21	2.8225E-20	0.242912	hyper	sig	chr1_205850051
chr17	44967292	44967292	+	1.026E-21	2.8225E-20	0.267074	hyper	sig	chr17_44967292
chr19	44757104	44757104	+	1.026E-21	2.8228E-20	0.212039	hyper	sig	chr19_44757104
chr2	1.71E+08	170820329	+	1.026E-21	2.8231E-20	0.280278	hyper	sig	chr2_170820329
chr1	1.19E+08	118989399	+	1.026E-21	2.8237E-20	0.296745	hyper	sig	chr1_118989399
chr16	89248039	89248039	+	1.027E-21	2.8264E-20	0.330844	hyper	sig	chr16_89248039
chr3	1.84E+08	183888653	+	1.027E-21	2.8264E-20	-0.2507	hypo	sig	chr3_183888653
chr6	3825820	3825820	+	1.028E-21	2.8271E-20	0.247131	hyper	sig	chr6_3825820
chr15	96322090	96322090	+	1.028E-21	2.8284E-20	0.220683	hyper	sig	chr15_96322090
chr3	1.3E+08	129594180	+	1.029E-21	2.8315E-20	-0.26471	hypo	sig	chr3_129594180
chr1	16939005	16939005	+	1.03E-21	2.8323E-20	0.292409	hyper	sig	chr1_16939005
chr2	1592013	1592013	+	1.03E-21	2.8345E-20	0.259598	hyper	sig	chr2_1592013
chr12	1.13E+08	113463847	+	1.031E-21	2.8356E-20	0.322072	hyper	sig	chr12_113463847
chr22	43223725	43223725	+	1.031E-21	2.8358E-20	-0.31108	hypo	sig	chr22_43223725
chr6	99606196	99606196	+	1.032E-21	2.8377E-20	0.287927	hyper	sig	chr6_99606196
chr6	10384956	10384956	+	1.032E-21	2.838E-20	0.373255	hyper	sig	chr6_10384956
chr2	11634960	11634960	+	1.033E-21	2.841E-20	-0.2957	hypo	sig	chr2_11634960
chr10	1.25E+08	125151343	+	1.033E-21	2.8411E-20	-0.28237	hypo	sig	chr10_125151343
chr7	1940653	1940653	+	1.034E-21	2.8424E-20	-0.30141	hypo	sig	chr7_1940653
chr2	63056929	63056929	+	1.035E-21	2.8455E-20	0.254947	hyper	sig	chr2_63056929
chr8	10528712	10528712	+	1.035E-21	2.8459E-20	-0.29777	hypo	sig	chr8_10528712
chr13	25171869	25171869	+	1.036E-21	2.8498E-20	0.261496	hyper	sig	chr13_25171869
chr5	16180181	16180181	+	1.037E-21	2.8507E-20	0.330594	hyper	sig	chr5_16180181
chr2	1937453	1937453	+	1.037E-21	2.8514E-20	-0.23159	hypo	sig	chr2_1937453
chr19	18007449	18007449	+	1.038E-21	2.8541E-20	0.255089	hyper	sig	chr19_18007449
chr2	30230540	30230540	+	1.038E-21	2.8541E-20	0.351245	hyper	sig	chr2_30230540
chr13	1.13E+08	113130151	+	1.038E-21	2.8542E-20	0.336064	hyper	sig	chr13_113130151
chr19	53255268	53255268	+	1.038E-21	2.8552E-20	0.340711	hyper	sig	chr19_53255268
chr12	1.03E+08	102824771	+	1.039E-21	2.8553E-20	0.288989	hyper	sig	chr12_102824771
chr9	1.29E+08	129180620	+	1.039E-21	2.8558E-20	-0.26499	hypo	sig	chr9_129180620
chr4	1339195	1339195	+	1.04E-21	2.8584E-20	-0.23459	hypo	sig	chr4_1339195
chr10	42933051	42933051	+	1.04E-21	2.8584E-20	0.253391	hyper	sig	chr10_42933051
chr19	39507630	39507630	+	1.04E-21	2.8599E-20	0.242183	hyper	sig	chr19_39507630
chr12	1.27E+08	127280959	+	1.041E-21	2.8613E-20	0.299766	hyper	sig	chr12_127280959
chr5	1.35E+08	135490128	+	1.042E-21	2.8632E-20	0.267349	hyper	sig	chr5_135490128
chr10	1.33E+08	133241355	+	1.043E-21	2.8657E-20	-0.2812	hypo	sig	chr10_133241355
chr6	27864103	27864103	+	1.043E-21	2.8661E-20	0.258633	hyper	sig	chr6_27864103
chr8	90791985	90791985	+	1.043E-21	2.8665E-20	0.34079	hyper	sig	chr8_90791985
chr16	49277576	49277576	+	1.043E-21	2.8676E-20	0.313551	hyper	sig	chr16_49277576
chr2	1.76E+08	176089805	+	1.043E-21	2.8676E-20	-0.26247	hypo	sig	chr2_176089805
chr20	21507547	21507547	+	1.044E-21	2.8704E-20	0.372198	hyper	sig	chr20_21507547
chr3	1.97E+08	196754786	+	1.045E-21	2.8727E-20	-0.32813	hypo	sig	chr3_196754786
chr17	34156893	34156893	+	1.046E-21	2.8733E-20	0.282823	hyper	sig	chr17_34156893
chr20	63071443	63071443	+	1.046E-21	2.8735E-20	-0.337	hypo	sig	chr20_63071443
chr2	86789106	86789106	+	1.047E-21	2.8764E-20	0.284171	hyper	sig	chr2_86789106
chr19	4634815	4634815	+	1.048E-21	2.8808E-20	-0.26982	hypo	sig	chr19_4634815
chr2	2.22E+08	222289453	+	1.049E-21	2.8812E-20	0.278744	hyper	sig	chr2_222289453
chr7	1.59E+08	159144400	+	1.05E-21	2.8837E-20	0.250057	hyper	sig	chr7_159144400
chr1	2.26E+08	225880200	+	1.05E-21	2.8843E-20	-0.24938	hypo	sig	chr1_225880200
chr2	1.19E+08	118857466	+	1.055E-21	2.8979E-20	0.321313	hyper	sig	chr2_118857466
chr20	21102262	21102262	+	1.055E-21	2.898E-20	0.298945	hyper	sig	chr20_21102262
chr6	1.08E+08	108165606	+	1.055E-21	2.8986E-20	0.317595	hyper	sig	chr6_108165606
chr5	1217518	1217518	+	1.056E-21	2.9014E-20	-0.26159	hypo	sig	chr5_1217518
chr16	2082645	2082645	+	1.058E-21	2.9066E-20	0.356949	hyper	sig	chr16_2082645

chr7	6015886	6015886	+	1.058E-21	2.9075E-20	0.336971	hyper	sig	chr7_6015886
chr1	1.19E+08	118979745	+	1.06E-21	2.9107E-20	0.335442	hyper	sig	chr1_118979745
chr14	60652701	60652701	+	1.06E-21	2.9107E-20	0.242955	hyper	sig	chr14_60652701
chr5	71719111	71719111	+	1.061E-21	2.9145E-20	0.362522	hyper	sig	chr5_71719111
chr19	49049424	49049424	+	1.062E-21	2.9155E-20	-0.28784	hypo	sig	chr19_49049424
chr20	9509156	9509156	+	1.063E-21	2.9205E-20	0.296164	hyper	sig	chr20_9509156
chr19	18007837	18007837	+	1.064E-21	2.9215E-20	0.273254	hyper	sig	chr19_18007837
chr8	1.42E+08	142454248	+	1.064E-21	2.9224E-20	-0.31855	hypo	sig	chr8_142454248
chr19	38975248	38975248	+	1.065E-21	2.924E-20	0.238273	hyper	sig	chr19_38975248
chr9	92807336	92807336	+	1.065E-21	2.9254E-20	0.310077	hyper	sig	chr9_92807336
chr16	11676272	11676272	+	1.066E-21	2.927E-20	-0.37918	hypo	sig	chr16_11676272
chr12	1.32E+08	132318957	+	1.067E-21	2.929E-20	-0.26816	hypo	sig	chr12_132318957
chr1	2.48E+08	247518127	+	1.068E-21	2.9332E-20	0.31583	hyper	sig	chr1_247518127
chr8	71844761	71844761	+	1.069E-21	2.9337E-20	0.250969	hyper	sig	chr8_71844761
chr1	1.56E+08	156076634	+	1.069E-21	2.9348E-20	0.357782	hyper	sig	chr1_156076634
chr2	1.19E+08	118834083	+	1.07E-21	2.9362E-20	0.37982	hyper	sig	chr2_118834083
chr19	31348671	31348671	+	1.07E-21	2.9385E-20	0.251036	hyper	sig	chr19_31348671
chr17	81941474	81941474	+	1.071E-21	2.9399E-20	-0.32591	hypo	sig	chr17_81941474
chr6	31901311	31901311	+	1.074E-21	2.947E-20	0.264161	hyper	sig	chr6_31901311
chr1	2.21E+08	220881213	+	1.074E-21	2.9477E-20	0.321394	hyper	sig	chr1_220881213
chr17	40355692	40355692	+	1.074E-21	2.9477E-20	0.382666	hyper	sig	chr17_40355692
chr5	42899093	42899093	+	1.079E-21	2.9605E-20	-0.45639	hypo	sig	chr5_42899093
chr7	27249475	27249475	+	1.08E-21	2.9636E-20	0.320078	hyper	sig	chr7_27249475
chr17	74114084	74114084	+	1.08E-21	2.9646E-20	0.374314	hyper	sig	chr17_74114084
chr5	1.72E+08	172381408	+	1.08E-21	2.9647E-20	0.319666	hyper	sig	chr5_172381408
chr12	1.33E+08	132908076	+	1.08E-21	2.9647E-20	0.265434	hyper	sig	chr12_132908076
chr1	6146263	6146263	+	1.081E-21	2.9665E-20	-0.37307	hypo	sig	chr1_6146263
chr17	21452671	21452671	+	1.083E-21	2.9716E-20	0.265131	hyper	sig	chr17_21452671
chr7	218095	218095	+	1.083E-21	2.9716E-20	-0.34363	hypo	sig	chr7_218095
chr3	61564840	61564840	+	1.084E-21	2.9737E-20	0.289551	hyper	sig	chr3_61564840
chr4	2625415	2625415	+	1.084E-21	2.9754E-20	0.238456	hyper	sig	chr4_2625415
chr19	57709098	57709098	+	1.087E-21	2.981E-20	0.275887	hyper	sig	chr19_57709098
chr2	98346599	98346599	+	1.087E-21	2.9829E-20	0.323229	hyper	sig	chr2_98346599
chr3	1.2E+08	119809809	+	1.089E-21	2.9866E-20	0.33463	hyper	sig	chr3_119809809
chr6	1.7E+08	170152881	+	1.089E-21	2.9867E-20	-0.34212	hypo	sig	chr6_170152881
chr5	1.46E+08	146339020	+	1.089E-21	2.9879E-20	0.301987	hyper	sig	chr5_146339020
chr11	8269191	8269191	+	1.09E-21	2.9892E-20	0.308309	hyper	sig	chr11_8269191
chr19	34482274	34482274	+	1.09E-21	2.9892E-20	0.286281	hyper	sig	chr19_34482274
chr7	65754184	65754184	+	1.09E-21	2.9897E-20	0.27165	hyper	sig	chr7_65754184
chr12	1.3E+08	130491965	+	1.09E-21	2.9905E-20	0.316072	hyper	sig	chr12_130491965
chr2	2.19E+08	219421421	+	1.09E-21	2.9908E-20	0.347485	hyper	sig	chr2_219421421
chr3	27728682	27728682	+	1.091E-21	2.9911E-20	0.279247	hyper	sig	chr3_27728682
chr16	27403075	27403075	+	1.091E-21	2.9918E-20	-0.26968	hypo	sig	chr16_27403075
chr2	2.41E+08	240972892	+	1.091E-21	2.9932E-20	-0.29497	hypo	sig	chr2_240972892
chr6	33277711	33277711	+	1.092E-21	2.9955E-20	0.276175	hyper	sig	chr6_33277711
chr8	68330784	68330784	+	1.092E-21	2.9957E-20	0.354016	hyper	sig	chr8_68330784
chr10	80459698	80459698	+	1.094E-21	2.9992E-20	-0.26872	hypo	sig	chr10_80459698
chr1	50421217	50421217	+	1.094E-21	3.0004E-20	0.297899	hyper	sig	chr1_50421217
chr6	1.67E+08	167421390	+	1.094E-21	3.0008E-20	-0.41335	hypo	sig	chr6_167421390
chr8	13566575	13566575	+	1.095E-21	3.0011E-20	0.280585	hyper	sig	chr8_13566575
chr2	1.92E+08	192194727	+	1.095E-21	3.0019E-20	0.291542	hyper	sig	chr2_192194727
chr5	14441067	14441067	+	1.096E-21	3.0047E-20	0.404103	hyper	sig	chr5_14441067
chr5	1.55E+08	154631960	+	1.096E-21	3.0052E-20	-0.35218	hypo	sig	chr5_154631960
chr11	65356184	65356184	+	1.097E-21	3.0064E-20	0.290167	hyper	sig	chr11_65356184
chr11	1.24E+08	123577661	+	1.098E-21	3.009E-20	-0.3728	hypo	sig	chr11_123577661
chr11	35403976	35403976	+	1.098E-21	3.0098E-20	-0.37895	hypo	sig	chr11_35403976

chr6	1.18E+08	117548325	+	1.099E-21	3.0118E-20	0.33136	hyper	sig	chr6_117548325
chr6	32047996	32047996	+	1.099E-21	3.0121E-20	-0.39374	hypo	sig	chr6_32047996
chr1	2E+08	200041110	+	1.1E-21	3.0142E-20	0.237899	hyper	sig	chr1_200041110
chr12	52038772	52038772	+	1.1E-21	3.0158E-20	0.22372	hyper	sig	chr12_52038772
chr15	78871719	78871719	+	1.101E-21	3.0177E-20	-0.26241	hypo	sig	chr15_78871719
chr12	53938215	53938215	+	1.102E-21	3.019E-20	0.291131	hyper	sig	chr12_53938215
chr10	86263310	86263310	+	1.102E-21	3.0195E-20	0.340468	hyper	sig	chr10_86263310
chr4	1.83E+08	182801853	+	1.103E-21	3.0217E-20	-0.32753	hypo	sig	chr4_182801853
chr15	88255349	88255349	+	1.103E-21	3.0226E-20	0.261242	hyper	sig	chr15_88255349
chr1	1.81E+08	181318701	+	1.104E-21	3.025E-20	0.331038	hyper	sig	chr1_181318701
chr8	71558782	71558782	+	1.104E-21	3.0262E-20	0.231853	hyper	sig	chr8_71558782
chr14	36514254	36514254	+	1.107E-21	3.0336E-20	0.24351	hyper	sig	chr14_36514254
chr20	2559142	2559142	+	1.109E-21	3.0389E-20	0.244051	hyper	sig	chr20_2559142
chr20	56627391	56627391	+	1.112E-21	3.0461E-20	0.283279	hyper	sig	chr20_56627391
chr11	57238799	57238799	+	1.113E-21	3.0483E-20	-0.29125	hypo	sig	chr11_57238799
chr3	54135964	54135964	+	1.113E-21	3.0492E-20	-0.32184	hypo	sig	chr3_54135964
chr7	1.43E+08	143392366	+	1.114E-21	3.0519E-20	0.294709	hyper	sig	chr7_143392366
chr18	9535963	9535963	+	1.115E-21	3.0541E-20	0.300466	hyper	sig	chr18_9535963
chr8	48923522	48923522	+	1.115E-21	3.0554E-20	-0.38852	hypo	sig	chr8_48923522
chr7	1.58E+08	157554899	+	1.116E-21	3.0564E-20	-0.31307	hypo	sig	chr7_157554899
chr6	1.08E+08	107637229	+	1.116E-21	3.0573E-20	-0.30258	hypo	sig	chr6_107637229
chr5	1.29E+08	128537859	+	1.117E-21	3.0601E-20	0.303524	hyper	sig	chr5_128537859
chr8	1.44E+08	144314206	+	1.117E-21	3.0601E-20	0.345027	hyper	sig	chr8_144314206
chr4	8372702	8372702	+	1.12E-21	3.0663E-20	-0.31178	hypo	sig	chr4_8372702
chr9	94996114	94996114	+	1.12E-21	3.0666E-20	0.318921	hyper	sig	chr9_94996114
chr9	1.37E+08	137199138	+	1.121E-21	3.0697E-20	-0.28293	hypo	sig	chr9_137199138
chr4	1.88E+08	188236912	+	1.121E-21	3.0706E-20	-0.28859	hypo	sig	chr4_188236912
chr13	1.13E+08	112985183	+	1.121E-21	3.0709E-20	-0.28216	hypo	sig	chr13_112985183
chr3	51955793	51955793	+	1.122E-21	3.0733E-20	0.314417	hyper	sig	chr3_51955793
chr8	11347234	11347234	+	1.124E-21	3.0777E-20	0.319533	hyper	sig	chr8_11347234
chr10	79240050	79240050	+	1.125E-21	3.0792E-20	0.350934	hyper	sig	chr10_79240050
chr7	1.5E+08	149881352	+	1.125E-21	3.0792E-20	0.27666	hyper	sig	chr7_149881352
chr1	1.5E+08	150151534	+	1.125E-21	3.0795E-20	0.310542	hyper	sig	chr1_150151534
chr13	1.12E+08	112071810	+	1.125E-21	3.0795E-20	0.317801	hyper	sig	chr13_112071810
chr19	5799335	5799335	+	1.127E-21	3.0843E-20	-0.31424	hypo	sig	chr19_5799335
chr5	1.41E+08	141155888	+	1.127E-21	3.0843E-20	0.264607	hyper	sig	chr5_141155888
chr8	1.41E+08	141282714	+	1.127E-21	3.0859E-20	-0.35853	hypo	sig	chr8_141282714
chr13	1.12E+08	112106584	+	1.128E-21	3.0888E-20	0.336074	hyper	sig	chr13_112106584
chr10	1.22E+08	122460048	+	1.129E-21	3.091E-20	-0.29649	hypo	sig	chr10_122460048
chr8	90791912	90791912	+	1.133E-21	3.101E-20	0.230834	hyper	sig	chr8_90791912
chr2	2.2E+08	219553118	+	1.136E-21	3.1082E-20	0.283047	hyper	sig	chr2_219553118
chr1	2.08E+08	207910754	+	1.139E-21	3.1182E-20	0.289897	hyper	sig	chr1_207910754
chr18	12254423	12254423	+	1.14E-21	3.1202E-20	0.324054	hyper	sig	chr18_12254423
chr11	3167936	3167936	+	1.14E-21	3.1206E-20	-0.27976	hypo	sig	chr11_3167936
chr13	30932636	30932636	+	1.14E-21	3.1206E-20	0.289203	hyper	sig	chr13_30932636
chr19	1075071	1075071	+	1.14E-21	3.1206E-20	-0.28885	hypo	sig	chr19_1075071
chr11	69295651	69295651	+	1.142E-21	3.1245E-20	-0.30871	hypo	sig	chr11_69295651
chr2	44801677	44801677	+	1.142E-21	3.1253E-20	0.275791	hyper	sig	chr2_44801677
chr11	16611109	16611109	+	1.143E-21	3.1261E-20	0.300842	hyper	sig	chr11_16611109
chr13	1.13E+08	113454156	+	1.145E-21	3.1318E-20	0.221514	hyper	sig	chr13_113454156
chr5	1.79E+08	179023745	+	1.145E-21	3.1318E-20	0.215087	hyper	sig	chr5_179023745
chr11	1.19E+08	119314868	+	1.145E-21	3.1338E-20	0.259102	hyper	sig	chr11_119314868
chr1	1.11E+08	111271536	+	1.146E-21	3.135E-20	0.334859	hyper	sig	chr1_111271536
chr14	21087415	21087415	+	1.151E-21	3.1498E-20	0.327855	hyper	sig	chr14_21087415
chr8	1.42E+08	141522103	+	1.153E-21	3.1534E-20	-0.38134	hypo	sig	chr8_141522103
chr22	16601097	16601097	+	1.154E-21	3.1558E-20	0.275209	hyper	sig	chr22_16601097

chr10	1.33E+08	133207394	+	1.154E-21	3.1575E-20	-0.30984	hypo	sig	chr10_133207394
chr20	761056	761056	+	1.156E-21	3.1617E-20	0.37321	hyper	sig	chr20_761056
chr10	81502759	81502759	+	1.156E-21	3.1627E-20	-0.31085	hypo	sig	chr10_81502759
chr11	1729508	1729508	+	1.157E-21	3.1631E-20	-0.2954	hypo	sig	chr11_1729508
chr16	86579988	86579988	+	1.156E-21	3.1631E-20	0.364241	hyper	sig	chr16_86579988
chr4	1.11E+08	110618311	+	1.157E-21	3.1643E-20	0.225527	hyper	sig	chr4_110618311
chr19	57600306	57600306	+	1.157E-21	3.1645E-20	0.283066	hyper	sig	chr19_57600306
chr5	31855319	31855319	+	1.157E-21	3.1645E-20	0.225771	hyper	sig	chr5_31855319
chr3	62379187	62379187	+	1.158E-21	3.1662E-20	0.295963	hyper	sig	chr3_62379187
chr11	1.19E+08	119314839	+	1.158E-21	3.1678E-20	0.23996	hyper	sig	chr11_119314839
chr4	1407941	1407941	+	1.159E-21	3.1682E-20	0.341396	hyper	sig	chr4_1407941
chr16	85575288	85575288	+	1.161E-21	3.1746E-20	0.275248	hyper	sig	chr16_85575288
chr7	65731680	65731680	+	1.162E-21	3.1761E-20	0.216102	hyper	sig	chr7_65731680
chr12	48994629	48994629	+	1.162E-21	3.177E-20	0.462333	hyper	sig	chr12_48994629
chr1	929513	929513	+	1.162E-21	3.177E-20	-0.30541	hypo	sig	chr1_929513
chr11	69001414	69001414	+	1.163E-21	3.1787E-20	0.368251	hyper	sig	chr11_69001414
chr1	3064040	3064040	+	1.163E-21	3.179E-20	0.270417	hyper	sig	chr1_3064040
chr3	79767836	79767836	+	1.163E-21	3.1805E-20	0.241351	hyper	sig	chr3_79767836
chr2	2.13E+08	212536527	+	1.164E-21	3.1811E-20	0.273487	hyper	sig	chr2_212536527
chr8	40897652	40897652	+	1.164E-21	3.1811E-20	0.307339	hyper	sig	chr8_40897652
chr8	1.01E+08	101493240	+	1.164E-21	3.1816E-20	-0.28022	hypo	sig	chr8_101493240
chr17	887866	887866	+	1.164E-21	3.182E-20	0.318754	hyper	sig	chr17_887866
chr8	26451660	26451660	+	1.165E-21	3.183E-20	-0.34776	hypo	sig	chr8_26451660
chr16	66579241	66579241	+	1.165E-21	3.1837E-20	0.218044	hyper	sig	chr16_66579241
chr15	79283050	79283050	+	1.166E-21	3.1855E-20	0.294211	hyper	sig	chr15_79283050
chr10	1.22E+08	122460031	+	1.167E-21	3.1903E-20	-0.29672	hypo	sig	chr10_122460031
chr17	80823199	80823199	+	1.167E-21	3.1904E-20	-0.34684	hypo	sig	chr17_80823199
chr3	1.72E+08	172449184	+	1.167E-21	3.1905E-20	0.259329	hyper	sig	chr3_172449184
chr7	1.56E+08	155804666	+	1.168E-21	3.1907E-20	0.249135	hyper	sig	chr7_155804666
chr11	72244395	72244395	+	1.169E-21	3.194E-20	0.316734	hyper	sig	chr11_72244395
chr2	73988545	73988545	+	1.17E-21	3.1973E-20	0.271397	hyper	sig	chr2_73988545
chr6	50843242	50843242	+	1.17E-21	3.1978E-20	0.33093	hyper	sig	chr6_50843242
chr22	42289996	42289996	+	1.17E-21	3.1979E-20	0.285375	hyper	sig	chr22_42289996
chr15	82648555	82648555	+	1.171E-21	3.1989E-20	0.348063	hyper	sig	chr15_82648555
chr5	958750	958750	+	1.171E-21	3.1994E-20	-0.32409	hypo	sig	chr5_958750
chr17	57623204	57623204	+	1.171E-21	3.2E-20	0.278678	hyper	sig	chr17_57623204
chr20	844927	844927	+	1.171E-21	3.2001E-20	0.205202	hyper	sig	chr20_844927
chr17	45261851	45261851	+	1.172E-21	3.2019E-20	0.363914	hyper	sig	chr17_45261851
chr3	1.8E+08	180036695	+	1.172E-21	3.202E-20	0.260734	hyper	sig	chr3_180036695
chr4	1405414	1405414	+	1.177E-21	3.2139E-20	0.339048	hyper	sig	chr4_1405414
chr19	39264482	39264482	+	1.177E-21	3.2155E-20	0.352933	hyper	sig	chr19_39264482
chr2	1.92E+08	192195600	+	1.178E-21	3.2163E-20	0.305728	hyper	sig	chr2_192195600
chr11	66421233	66421233	+	1.179E-21	3.2201E-20	0.370245	hyper	sig	chr11_66421233
chr1	1.19E+08	118986810	+	1.181E-21	3.2243E-20	0.312729	hyper	sig	chr1_118986810
chr13	25372642	25372642	+	1.181E-21	3.2247E-20	0.408421	hyper	sig	chr13_25372642
chr6	27275166	27275166	+	1.181E-21	3.2247E-20	0.213294	hyper	sig	chr6_27275166
chr4	1.09E+08	109302649	+	1.182E-21	3.2274E-20	0.289687	hyper	sig	chr4_109302649
chr16	533753	533753	+	1.183E-21	3.2304E-20	-0.28457	hypo	sig	chr16_533753
chr16	761124	761124	+	1.183E-21	3.2305E-20	-0.39878	hypo	sig	chr16_761124
chr5	76951822	76951822	+	1.184E-21	3.2318E-20	-0.3103	hypo	sig	chr5_76951822
chr2	2.22E+08	222303958	+	1.184E-21	3.2339E-20	0.254459	hyper	sig	chr2_222303958
chr5	32445323	32445323	+	1.185E-21	3.2354E-20	-0.24589	hypo	sig	chr5_32445323
chr7	27239968	27239968	+	1.185E-21	3.2362E-20	0.317946	hyper	sig	chr7_27239968
chr1	1.1E+08	110068443	+	1.185E-21	3.2364E-20	0.206316	hyper	sig	chr1_110068443
chr2	43296844	43296844	+	1.186E-21	3.237E-20	0.204904	hyper	sig	chr2_43296844
chr14	85531422	85531422	+	1.186E-21	3.2381E-20	0.292772	hyper	sig	chr14_85531422

chr20	48386471	48386471	+	1.187E-21	3.2411E-20	-0.36087	hypo	sig	chr20_48386471
chr16	15148982	15148982	+	1.189E-21	3.2466E-20	0.257545	hyper	sig	chr16_15148982
chr9	1.33E+08	132579808	+	1.191E-21	3.2523E-20	0.223384	hyper	sig	chr9_132579808
chr11	66420768	66420768	+	1.192E-21	3.2548E-20	0.395496	hyper	sig	chr11_66420768
chr16	1872381	1872381	+	1.194E-21	3.2583E-20	0.384324	hyper	sig	chr16_1872381
chr1	2.29E+08	229434098	+	1.196E-21	3.2643E-20	0.262698	hyper	sig	chr1_229434098
chr5	34497420	34497420	+	1.196E-21	3.2651E-20	0.291208	hyper	sig	chr5_34497420
chr5	1.4E+08	139710257	+	1.196E-21	3.2651E-20	-0.29241	hypo	sig	chr5_139710257
chr10	1.19E+08	118595950	+	1.196E-21	3.2651E-20	0.474886	hyper	sig	chr10_118595950
chr11	1.09E+08	109422435	+	1.197E-21	3.2677E-20	0.350812	hyper	sig	chr11_109422435
chr1	1200112	1200112	+	1.199E-21	3.273E-20	-0.26363	hypo	sig	chr1_1200112
chr4	8394394	8394394	+	1.201E-21	3.2771E-20	0.262402	hyper	sig	chr4_8394394
chr1	1.47E+08	147080154	+	1.203E-21	3.2826E-20	0.304059	hyper	sig	chr1_147080154
chr13	1.13E+08	112843257	+	1.204E-21	3.2855E-20	0.223536	hyper	sig	chr13_112843257
chr14	21087420	21087420	+	1.205E-21	3.2872E-20	0.328365	hyper	sig	chr14_21087420
chr13	1.13E+08	113420793	+	1.207E-21	3.2932E-20	-0.33988	hypo	sig	chr13_113420793
chr4	1.09E+08	109302475	+	1.207E-21	3.2943E-20	0.219177	hyper	sig	chr4_109302475
chr10	1.32E+08	132464058	+	1.208E-21	3.2963E-20	0.279332	hyper	sig	chr10_132464058
chr5	1.29E+08	128538932	+	1.211E-21	3.3024E-20	0.285798	hyper	sig	chr5_128538932
chr11	2168904	2168904	+	1.212E-21	3.3072E-20	-0.28824	hypo	sig	chr11_2168904
chr20	17962760	17962760	+	1.214E-21	3.3107E-20	-0.26864	hypo	sig	chr20_17962760
chr5	1.46E+08	146343270	+	1.214E-21	3.3113E-20	0.223024	hyper	sig	chr5_146343270
chr16	2124753	2124753	+	1.215E-21	3.3132E-20	0.307593	hyper	sig	chr16_2124753
chr11	865991	865991	+	1.215E-21	3.3151E-20	-0.33399	hypo	sig	chr11_865991
chr1	1.12E+08	111988764	+	1.216E-21	3.3177E-20	0.276203	hyper	sig	chr1_111988764
chr1	9128635	9128635	+	1.217E-21	3.3185E-20	-0.26232	hypo	sig	chr1_9128635
chr19	48746795	48746795	+	1.217E-21	3.3185E-20	0.345714	hyper	sig	chr19_48746795
chr15	83653525	83653525	+	1.218E-21	3.3207E-20	0.397064	hyper	sig	chr15_83653525
chr6	77463020	77463020	+	1.218E-21	3.322E-20	0.266547	hyper	sig	chr6_77463020
chr17	321189	321189	+	1.218E-21	3.3222E-20	0.330722	hyper	sig	chr17_321189
chr5	37834836	37834836	+	1.218E-21	3.3222E-20	0.303597	hyper	sig	chr5_37834836
chr22	44027325	44027325	+	1.22E-21	3.328E-20	-0.33665	hypo	sig	chr22_44027325
chr16	87351126	87351126	+	1.221E-21	3.3295E-20	0.255381	hyper	sig	chr16_87351126
chr11	94769616	94769616	+	1.223E-21	3.3344E-20	0.280927	hyper	sig	chr11_94769616
chr16	85187141	85187141	+	1.224E-21	3.3361E-20	0.271865	hyper	sig	chr16_85187141
chr3	1.47E+08	147388249	+	1.224E-21	3.3361E-20	0.250947	hyper	sig	chr3_147388249
chr1	2378655	2378655	+	1.224E-21	3.3373E-20	-0.29515	hypo	sig	chr1_2378655
chr17	44198003	44198003	+	1.224E-21	3.3373E-20	0.286792	hyper	sig	chr17_44198003
chr17	63968180	63968180	+	1.225E-21	3.3386E-20	-0.28575	hypo	sig	chr17_63968180
chr1	37034887	37034887	+	1.226E-21	3.3431E-20	0.223128	hyper	sig	chr1_37034887
chr4	785692	785692	+	1.227E-21	3.3452E-20	0.358329	hyper	sig	chr4_785692
chr10	93066562	93066562	+	1.228E-21	3.3485E-20	0.396229	hyper	sig	chr10_93066562
chr5	759670	759670	+	1.229E-21	3.3507E-20	0.292545	hyper	sig	chr5_759670
chr14	44963313	44963313	+	1.23E-21	3.3534E-20	0.276051	hyper	sig	chr14_44963313
chr1	18600012	18600012	+	1.232E-21	3.357E-20	-0.32877	hypo	sig	chr1_18600012
chr10	45427921	45427921	+	1.236E-21	3.3679E-20	0.370107	hyper	sig	chr10_45427921
chr12	72271945	72271945	+	1.237E-21	3.3707E-20	0.335227	hyper	sig	chr12_72271945
chr7	1.5E+08	150335501	+	1.239E-21	3.3761E-20	0.336486	hyper	sig	chr7_150335501
chr12	1.33E+08	132908283	+	1.239E-21	3.377E-20	0.239511	hyper	sig	chr12_132908283
chr9	37938672	37938672	+	1.24E-21	3.3791E-20	0.311826	hyper	sig	chr9_37938672
chr7	74452710	74452710	+	1.242E-21	3.3856E-20	-0.35519	hypo	sig	chr7_74452710
chr17	10197894	10197894	+	1.243E-21	3.3858E-20	0.232056	hyper	sig	chr17_10197894
chr19	48491669	48491669	+	1.244E-21	3.3897E-20	0.269477	hyper	sig	chr19_48491669
chr10	7411434	7411434	+	1.245E-21	3.3921E-20	0.254079	hyper	sig	chr10_7411434
chr2	3606880	3606880	+	1.245E-21	3.3931E-20	0.291582	hyper	sig	chr2_3606880
chr6	1.67E+08	166861911	+	1.247E-21	3.3974E-20	0.307019	hyper	sig	chr6_166861911

chr10	1152814	1152814	+	1.249E-21	3.4015E-20	-0.2959	hypo	sig	chr10_1152814
chr11	57483368	57483368	+	1.25E-21	3.4046E-20	0.2661	hyper	sig	chr11_57483368
chr20	37518941	37518941	+	1.25E-21	3.4057E-20	0.262823	hyper	sig	chr20_37518941
chr11	1310563	1310563	+	1.252E-21	3.4093E-20	-0.2675	hypo	sig	chr11_1310563
chr9	1.37E+08	137294042	+	1.252E-21	3.4098E-20	-0.31789	hypo	sig	chr9_137294042
chr19	58098266	58098266	+	1.252E-21	3.4115E-20	0.209037	hyper	sig	chr19_58098266
chr10	1.23E+08	123134560	+	1.256E-21	3.4199E-20	0.269325	hyper	sig	chr10_123134560
chr6	1.27E+08	127119381	+	1.257E-21	3.4227E-20	0.290421	hyper	sig	chr6_127119381
chr12	1.08E+08	108131464	+	1.258E-21	3.4254E-20	-0.31518	hypo	sig	chr12_108131464
chr6	28865712	28865712	+	1.258E-21	3.4255E-20	-0.33471	hypo	sig	chr6_28865712
chr1	1.19E+08	119000621	+	1.259E-21	3.4282E-20	0.266895	hyper	sig	chr1_119000621
chr16	87487757	87487757	+	1.259E-21	3.4286E-20	-0.24109	hypo	sig	chr16_87487757
chr11	20601232	20601232	+	1.259E-21	3.4286E-20	0.317772	hyper	sig	chr11_20601232
chr10	1.01E+08	101226120	+	1.26E-21	3.4308E-20	0.341511	hyper	sig	chr10_101226120
chr2	2.39E+08	239246717	+	1.26E-21	3.4324E-20	-0.27114	hypo	sig	chr2_239246717
chr17	82882911	82882911	+	1.261E-21	3.4328E-20	-0.31349	hypo	sig	chr17_82882911
chr16	70726011	70726011	+	1.261E-21	3.4338E-20	0.308128	hyper	sig	chr16_70726011
chr5	2008156	2008156	+	1.261E-21	3.4348E-20	0.319841	hyper	sig	chr5_2008156
chr3	1.47E+08	147412687	+	1.262E-21	3.4354E-20	0.323187	hyper	sig	chr3_147412687
chr14	69574605	69574605	+	1.262E-21	3.4368E-20	0.221658	hyper	sig	chr14_69574605
chr1	2.28E+08	228158476	+	1.262E-21	3.4371E-20	0.339739	hyper	sig	chr1_228158476
chr11	20160673	20160673	+	1.263E-21	3.438E-20	0.332402	hyper	sig	chr11_20160673
chr13	1.11E+08	110869656	+	1.264E-21	3.4412E-20	-0.3906	hypo	sig	chr13_110869656
chr19	57600399	57600399	+	1.265E-21	3.4424E-20	0.246982	hyper	sig	chr19_57600399
chr5	1.75E+08	175445072	+	1.265E-21	3.4425E-20	0.308683	hyper	sig	chr5_175445072
chr20	21515439	21515439	+	1.266E-21	3.4453E-20	0.356436	hyper	sig	chr20_21515439
chr7	37448885	37448885	+	1.266E-21	3.4455E-20	0.262454	hyper	sig	chr7_37448885
chr12	52807161	52807161	+	1.266E-21	3.4469E-20	-0.26646	hypo	sig	chr12_52807161
chr5	2132230	2132230	+	1.269E-21	3.4539E-20	-0.38019	hypo	sig	chr5_2132230
chr5	1.51E+08	150946343	+	1.27E-21	3.4554E-20	0.387377	hyper	sig	chr5_150946343
chr17	39165261	39165261	+	1.271E-21	3.4579E-20	0.366433	hyper	sig	chr17_39165261
chr12	1.11E+08	111287720	+	1.275E-21	3.4711E-20	-0.37563	hypo	sig	chr12_111287720
chr5	43019837	43019837	+	1.277E-21	3.4743E-20	-0.20828	hypo	sig	chr5_43019837
chr1	16226958	16226958	+	1.277E-21	3.475E-20	0.306241	hyper	sig	chr1_16226958
chr11	31801593	31801593	+	1.278E-21	3.4787E-20	0.280404	hyper	sig	chr11_31801593
chr2	2.22E+08	222298239	+	1.279E-21	3.4793E-20	0.233374	hyper	sig	chr2_222298239
chr16	4664053	4664053	+	1.28E-21	3.4828E-20	-0.30916	hypo	sig	chr16_4664053
chr5	51389767	51389767	+	1.28E-21	3.4829E-20	0.285512	hyper	sig	chr5_51389767
chr8	23706449	23706449	+	1.281E-21	3.4851E-20	0.240989	hyper	sig	chr8_23706449
chr7	56115948	56115948	+	1.282E-21	3.4872E-20	0.320781	hyper	sig	chr7_56115948
chr10	93497141	93497141	+	1.282E-21	3.488E-20	-0.30666	hypo	sig	chr10_93497141
chr10	13891021	13891021	+	1.283E-21	3.4913E-20	0.253866	hyper	sig	chr10_13891021
chr20	37344785	37344785	+	1.284E-21	3.4943E-20	-0.31024	hypo	sig	chr20_37344785
chr6	99607213	99607213	+	1.285E-21	3.4955E-20	0.243003	hyper	sig	chr6_99607213
chr6	1.68E+08	167815759	+	1.286E-21	3.4995E-20	-0.31067	hypo	sig	chr6_167815759
chr22	46685977	46685977	+	1.287E-21	3.501E-20	-0.29159	hypo	sig	chr22_46685977
chr16	833879	833879	+	1.288E-21	3.5024E-20	-0.30057	hypo	sig	chr16_833879
chr7	97731836	97731836	+	1.29E-21	3.5076E-20	0.247347	hyper	sig	chr7_97731836
chr12	1.32E+08	132446070	+	1.29E-21	3.5087E-20	-0.27284	hypo	sig	chr12_132446070
chr14	1.04E+08	103727844	+	1.291E-21	3.5103E-20	0.279731	hyper	sig	chr14_103727844
chr17	79398779	79398779	+	1.296E-21	3.5252E-20	-0.32344	hypo	sig	chr17_79398779
chr1	3012022	3012022	+	1.296E-21	3.5252E-20	0.306742	hyper	sig	chr1_3012022
chr10	1.33E+08	132933409	+	1.296E-21	3.5254E-20	-0.2476	hypo	sig	chr10_132933409
chr3	10993415	10993415	+	1.296E-21	3.5254E-20	0.300812	hyper	sig	chr3_10993415
chr7	2412279	2412279	+	1.302E-21	3.5402E-20	0.239316	hyper	sig	chr7_2412279
chr1	39671553	39671553	+	1.303E-21	3.544E-20	0.321945	hyper	sig	chr1_39671553

chr13	1.08E+08	107868666	+	1.304E-21	3.5464E-20	0.346888	hyper	sig	chr13_107868666
chr4	1.74E+08	173527000	+	1.305E-21	3.5481E-20	0.317932	hyper	sig	chr4_173527000
chr5	1.5E+08	150245664	+	1.306E-21	3.5516E-20	0.314872	hyper	sig	chr5_150245664
chr7	2082539	2082539	+	1.307E-21	3.5535E-20	0.307743	hyper	sig	chr7_2082539
chr12	1.32E+08	132446017	+	1.307E-21	3.5536E-20	-0.27993	hypo	sig	chr12_132446017
chr20	44355821	44355821	+	1.309E-21	3.5575E-20	-0.34124	hypo	sig	chr20_44355821
chr3	1.13E+08	113441515	+	1.31E-21	3.5617E-20	0.319832	hyper	sig	chr3_113441515
chr8	42245519	42245519	+	1.311E-21	3.564E-20	0.286653	hyper	sig	chr8_42245519
chr3	42263694	42263694	+	1.316E-21	3.576E-20	0.242987	hyper	sig	chr3_42263694
chr8	30390452	30390452	+	1.316E-21	3.5781E-20	0.355747	hyper	sig	chr8_30390452
chr6	1.7E+08	170081845	+	1.318E-21	3.5836E-20	-0.30582	hypo	sig	chr6_170081845
chr9	1.35E+08	134879660	+	1.319E-21	3.584E-20	-0.28971	hypo	sig	chr9_134879660
chr12	3491475	3491475	+	1.319E-21	3.5848E-20	0.279002	hyper	sig	chr12_3491475
chr6	1.51E+08	151239920	+	1.319E-21	3.5859E-20	0.285532	hyper	sig	chr6_151239920
chr6	83709610	83709610	+	1.32E-21	3.5861E-20	0.30396	hyper	sig	chr6_83709610
chr9	1.28E+08	128149298	+	1.32E-21	3.5862E-20	-0.32678	hypo	sig	chr9_128149298
chr11	2904247	2904247	+	1.322E-21	3.5911E-20	-0.31514	hypo	sig	chr11_2904247
chr19	55647892	55647892	+	1.322E-21	3.5911E-20	0.253853	hyper	sig	chr19_55647892
chr3	49422549	49422549	+	1.322E-21	3.5916E-20	0.242825	hyper	sig	chr3_49422549
chr9	96877308	96877308	+	1.322E-21	3.5919E-20	0.398825	hyper	sig	chr9_96877308
chr10	1.3E+08	129867410	+	1.323E-21	3.5946E-20	-0.32818	hypo	sig	chr10_129867410
chr5	2008250	2008250	+	1.323E-21	3.5959E-20	0.302808	hyper	sig	chr5_2008250
chr7	1.28E+08	128032208	+	1.324E-21	3.5961E-20	0.269566	hyper	sig	chr7_128032208
chr2	1.07E+08	106584594	+	1.324E-21	3.5972E-20	0.328024	hyper	sig	chr2_106584594
chr16	66948905	66948905	+	1.324E-21	3.5973E-20	0.31511	hyper	sig	chr16_66948905
chr20	43189277	43189277	+	1.324E-21	3.5973E-20	0.293629	hyper	sig	chr20_43189277
chr13	53202124	53202124	+	1.324E-21	3.5974E-20	0.327333	hyper	sig	chr13_53202124
chr14	85534116	85534116	+	1.325E-21	3.5985E-20	0.338279	hyper	sig	chr14_85534116
chr2	2.2E+08	219523262	+	1.325E-21	3.5999E-20	0.241097	hyper	sig	chr2_219523262
chr14	93240193	93240193	+	1.325E-21	3.6002E-20	-0.27024	hypo	sig	chr14_93240193
chr14	38210429	38210429	+	1.326E-21	3.6004E-20	0.342423	hyper	sig	chr14_38210429
chr10	1.16E+08	116273436	+	1.326E-21	3.6013E-20	0.214251	hyper	sig	chr10_116273436
chr19	7879996	7879996	+	1.326E-21	3.6026E-20	-0.25126	hypo	sig	chr19_7879996
chr11	1351453	1351453	+	1.328E-21	3.606E-20	-0.31001	hypo	sig	chr11_1351453
chr7	1330817	1330817	+	1.328E-21	3.606E-20	0.275672	hyper	sig	chr7_1330817
chr19	37817444	37817444	+	1.332E-21	3.6162E-20	0.311751	hyper	sig	chr19_37817444
chr17	40779654	40779654	+	1.332E-21	3.6168E-20	0.265799	hyper	sig	chr17_40779654
chr13	99975131	99975131	+	1.333E-21	3.62E-20	0.270023	hyper	sig	chr13_99975131
chr1	971116	971116	+	1.334E-21	3.6218E-20	0.384458	hyper	sig	chr1_971116
chr20	38674355	38674355	+	1.334E-21	3.6228E-20	0.3468	hyper	sig	chr20_38674355
chr2	23617395	23617395	+	1.335E-21	3.6261E-20	0.293536	hyper	sig	chr2_23617395
chr9	1.3E+08	129608978	+	1.336E-21	3.6265E-20	-0.291	hypo	sig	chr9_129608978
chr17	5097619	5097619	+	1.337E-21	3.6293E-20	0.290285	hyper	sig	chr17_5097619
chr6	62286368	62286368	+	1.338E-21	3.632E-20	0.281565	hyper	sig	chr6_62286368
chr7	79454722	79454722	+	1.338E-21	3.6323E-20	0.232083	hyper	sig	chr7_79454722
chr20	54476657	54476657	+	1.338E-21	3.6323E-20	0.3216	hyper	sig	chr20_54476657
chr1	75130349	75130349	+	1.34E-21	3.6371E-20	0.290451	hyper	sig	chr1_75130349
chr19	55087687	55087687	+	1.343E-21	3.6466E-20	0.334637	hyper	sig	chr19_55087687
chr10	1.01E+08	101132830	+	1.344E-21	3.6474E-20	0.389907	hyper	sig	chr10_101132830
chr19	56765306	56765306	+	1.345E-21	3.6498E-20	0.306594	hyper	sig	chr19_56765306
chr1	1.65E+08	165354472	+	1.346E-21	3.6536E-20	0.287785	hyper	sig	chr1_165354472
chr15	92572740	92572740	+	1.347E-21	3.6575E-20	-0.43254	hypo	sig	chr15_92572740
chr17	78132888	78132888	+	1.348E-21	3.6585E-20	-0.28621	hypo	sig	chr17_78132888
chr17	79776601	79776601	+	1.352E-21	3.6692E-20	-0.30044	hypo	sig	chr17_79776601
chr17	77286028	77286028	+	1.353E-21	3.6707E-20	-0.32102	hypo	sig	chr17_77286028
chr7	27103859	27103859	+	1.353E-21	3.6717E-20	0.32675	hyper	sig	chr7_27103859

chr10	612689	612689	+	1.353E-21	3.6727E-20	0.308887	hyper	sig	chr10_612689
chr7	1.58E+08	158450870	+	1.358E-21	3.6846E-20	-0.23376	hypo	sig	chr7_158450870
chr3	42703870	42703870	+	1.358E-21	3.6858E-20	-0.28862	hypo	sig	chr3_42703870
chr4	15787641	15787641	+	1.359E-21	3.6864E-20	-0.2747	hypo	sig	chr4_15787641
chr4	2302150	2302150	+	1.359E-21	3.6873E-20	0.333648	hyper	sig	chr4_2302150
chr16	55656425	55656425	+	1.36E-21	3.6912E-20	0.266149	hyper	sig	chr16_55656425
chr5	1.57E+08	156850531	+	1.362E-21	3.6956E-20	0.302639	hyper	sig	chr5_156850531
chr8	46407070	46407070	+	1.364E-21	3.7002E-20	-0.28618	hypo	sig	chr8_46407070
chr12	1.25E+08	125093079	+	1.365E-21	3.7019E-20	-0.27202	hypo	sig	chr12_125093079
chr19	3369767	3369767	+	1.365E-21	3.7019E-20	0.374782	hyper	sig	chr19_3369767
chr10	1.01E+08	101134196	+	1.366E-21	3.7061E-20	0.351651	hyper	sig	chr10_101134196
chr7	1.58E+08	157683858	+	1.367E-21	3.7088E-20	0.336321	hyper	sig	chr7_157683858
chr14	74240188	74240188	+	1.368E-21	3.7116E-20	0.274475	hyper	sig	chr14_74240188
chr1	17617861	17617861	+	1.369E-21	3.7135E-20	0.247858	hyper	sig	chr1_17617861
chr20	61389396	61389396	+	1.369E-21	3.7142E-20	-0.30405	hypo	sig	chr20_61389396
chr12	5043661	5043661	+	1.372E-21	3.7219E-20	0.349308	hyper	sig	chr12_5043661
chr19	55496148	55496148	+	1.373E-21	3.7248E-20	-0.36893	hypo	sig	chr19_55496148
chr13	99975112	99975112	+	1.374E-21	3.7256E-20	0.290303	hyper	sig	chr13_99975112
chr5	41510020	41510020	+	1.374E-21	3.7256E-20	0.28354	hyper	sig	chr5_41510020
chr10	8037428	8037428	+	1.374E-21	3.726E-20	0.214308	hyper	sig	chr10_8037428
chr13	1.13E+08	112771956	+	1.374E-21	3.7267E-20	-0.30959	hypo	sig	chr13_112771956
chr10	99330788	99330788	+	1.376E-21	3.7308E-20	0.258326	hyper	sig	chr10_99330788
chr6	1.5E+08	150037845	+	1.376E-21	3.7314E-20	0.211215	hyper	sig	chr6_150037845
chr1	1.19E+08	118989610	+	1.378E-21	3.7363E-20	0.288786	hyper	sig	chr1_118989610
chr6	1.69E+08	168905672	+	1.378E-21	3.7374E-20	-0.29024	hypo	sig	chr6_168905672
chr1	3017933	3017933	+	1.379E-21	3.7375E-20	-0.30277	hypo	sig	chr1_3017933
chr1	3063474	3063474	+	1.381E-21	3.7455E-20	0.341907	hyper	sig	chr1_3063474
chr4	41867387	41867387	+	1.382E-21	3.7459E-20	0.234601	hyper	sig	chr4_41867387
chr10	45427926	45427926	+	1.382E-21	3.7462E-20	0.386575	hyper	sig	chr10_45427926
chr7	55213104	55213104	+	1.382E-21	3.7473E-20	-0.33348	hypo	sig	chr7_55213104
chr4	1.74E+08	173530107	+	1.382E-21	3.7475E-20	0.208069	hyper	sig	chr4_173530107
chr20	64048360	64048360	+	1.384E-21	3.7519E-20	0.269908	hyper	sig	chr20_64048360
chr8	1.44E+08	144412100	+	1.384E-21	3.7524E-20	0.242759	hyper	sig	chr8_144412100
chr16	29217835	29217835	+	1.384E-21	3.7528E-20	-0.25227	hypo	sig	chr16_29217835
chr1	12150747	12150747	+	1.385E-21	3.7531E-20	-0.26431	hypo	sig	chr1_12150747
chr13	45713672	45713672	+	1.386E-21	3.7577E-20	-0.31379	hypo	sig	chr13_45713672
chr3	13041684	13041684	+	1.387E-21	3.7586E-20	-0.26005	hypo	sig	chr3_13041684
chr8	70069804	70069804	+	1.387E-21	3.7586E-20	0.26704	hyper	sig	chr8_70069804
chr17	7929800	7929800	+	1.387E-21	3.7596E-20	0.405327	hyper	sig	chr17_7929800
chr19	58155454	58155454	+	1.388E-21	3.7613E-20	0.247975	hyper	sig	chr19_58155454
chr19	50188180	50188180	+	1.388E-21	3.7618E-20	-0.29635	hypo	sig	chr19_50188180
chr11	64936031	64936031	+	1.389E-21	3.7649E-20	0.230007	hyper	sig	chr11_64936031
chr8	1.42E+08	141516339	+	1.389E-21	3.7651E-20	-0.34152	hypo	sig	chr8_141516339
chr10	510491	510491	+	1.391E-21	3.7691E-20	0.288391	hyper	sig	chr10_510491
chr16	56190683	56190683	+	1.393E-21	3.7753E-20	0.271989	hyper	sig	chr16_56190683
chr5	1.41E+08	141399853	+	1.394E-21	3.7777E-20	0.310752	hyper	sig	chr5_141399853
chr2	98823443	98823443	+	1.395E-21	3.779E-20	0.313752	hyper	sig	chr2_98823443
chr6	29828604	29828604	+	1.395E-21	3.7799E-20	0.201536	hyper	sig	chr6_29828604
chr2	10386327	10386327	+	1.398E-21	3.7888E-20	-0.30953	hypo	sig	chr2_10386327
chr5	1.41E+08	140882102	+	1.399E-21	3.789E-20	0.286329	hyper	sig	chr5_140882102
chr9	1.34E+08	133979341	+	1.402E-21	3.797E-20	0.412374	hyper	sig	chr9_133979341
chr1	1.03E+08	103108408	+	1.402E-21	3.7977E-20	0.345257	hyper	sig	chr1_103108408
chr1	23981088	23981088	+	1.403E-21	3.8017E-20	-0.2142	hypo	sig	chr1_23981088
chr15	99728810	99728810	+	1.403E-21	3.8017E-20	0.225007	hyper	sig	chr15_99728810
chr1	14599370	14599370	+	1.404E-21	3.803E-20	0.285677	hyper	sig	chr1_14599370
chr6	86937212	86937212	+	1.404E-21	3.803E-20	0.205542	hyper	sig	chr6_86937212

chr1	12595275	12595275	+	1.405E-21	3.8042E-20	0.25859	hyper	sig	chr1_12595275
chr15	88255491	88255491	+	1.406E-21	3.8081E-20	0.358679	hyper	sig	chr15_88255491
chr2	96527825	96527825	+	1.407E-21	3.8098E-20	0.31874	hyper	sig	chr2_96527825
chr6	1.61E+08	161140024	+	1.407E-21	3.8098E-20	-0.25928	hypo	sig	chr6_161140024
chr4	8394187	8394187	+	1.409E-21	3.8165E-20	0.282918	hyper	sig	chr4_8394187
chr10	42895915	42895915	+	1.41E-21	3.8176E-20	-0.32228	hypo	sig	chr10_42895915
chr16	1266469	1266469	+	1.41E-21	3.8179E-20	-0.23333	hypo	sig	chr16_1266469
chr4	1.83E+08	182801841	+	1.411E-21	3.8199E-20	-0.31594	hypo	sig	chr4_182801841
chr12	34393861	34393861	+	1.411E-21	3.8203E-20	-0.34668	hypo	sig	chr12_34393861
chr14	93788326	93788326	+	1.411E-21	3.8213E-20	0.358706	hyper	sig	chr14_93788326
chr19	15233363	15233363	+	1.412E-21	3.8232E-20	0.26019	hyper	sig	chr19_15233363
chr2	2.41E+08	240831968	+	1.414E-21	3.828E-20	0.285641	hyper	sig	chr2_240831968
chr16	66579064	66579064	+	1.415E-21	3.8304E-20	0.298111	hyper	sig	chr16_66579064
chr16	77789328	77789328	+	1.416E-21	3.8333E-20	0.288504	hyper	sig	chr16_77789328
chr19	23070416	23070416	+	1.416E-21	3.8346E-20	0.288888	hyper	sig	chr19_23070416
chr17	36884744	36884744	+	1.417E-21	3.8347E-20	0.364484	hyper	sig	chr17_36884744
chr5	2008158	2008158	+	1.419E-21	3.8405E-20	0.319434	hyper	sig	chr5_2008158
chr17	44210812	44210812	+	1.419E-21	3.8409E-20	0.275381	hyper	sig	chr17_44210812
chr13	51066296	51066296	+	1.419E-21	3.8424E-20	-0.30237	hypo	sig	chr13_51066296
chr20	24471302	24471302	+	1.42E-21	3.8438E-20	0.29016	hyper	sig	chr20_24471302
chr8	90791815	90791815	+	1.421E-21	3.8473E-20	0.315174	hyper	sig	chr8_90791815
chr17	81135951	81135951	+	1.425E-21	3.8556E-20	-0.27271	hypo	sig	chr17_81135951
chr3	1.92E+08	192410162	+	1.425E-21	3.8568E-20	0.39244	hyper	sig	chr3_192410162
chr12	1.32E+08	132426433	+	1.427E-21	3.8613E-20	-0.31286	hypo	sig	chr12_132426433
chr6	33277764	33277764	+	1.43E-21	3.8699E-20	0.257467	hyper	sig	chr6_33277764
chr19	31348656	31348656	+	1.431E-21	3.8714E-20	0.25372	hyper	sig	chr19_31348656
chr8	57143475	57143475	+	1.431E-21	3.8715E-20	0.364884	hyper	sig	chr8_57143475
chr11	72244144	72244144	+	1.432E-21	3.8736E-20	0.345023	hyper	sig	chr11_72244144
chr1	2.08E+08	207822437	+	1.433E-21	3.8767E-20	0.255064	hyper	sig	chr1_207822437
chr21	33027053	33027053	+	1.433E-21	3.8767E-20	0.254377	hyper	sig	chr21_33027053
chr12	1.32E+08	132207317	+	1.434E-21	3.8787E-20	-0.2731	hypo	sig	chr12_132207317
chr3	1.34E+08	134358414	+	1.434E-21	3.8792E-20	0.361474	hyper	sig	chr3_134358414
chr16	89834195	89834195	+	1.435E-21	3.8825E-20	-0.2799	hypo	sig	chr16_89834195
chr6	30172188	30172188	+	1.435E-21	3.8832E-20	0.278986	hyper	sig	chr6_30172188
chr1	2.02E+08	202010636	+	1.437E-21	3.8862E-20	-0.29002	hypo	sig	chr1_202010636
chr8	24914963	24914963	+	1.437E-21	3.8884E-20	0.224488	hyper	sig	chr8_24914963
chr11	1.11E+08	111284164	+	1.441E-21	3.899E-20	-0.27724	hypo	sig	chr11_111284164
chr7	20793457	20793457	+	1.441E-21	3.8992E-20	0.35079	hyper	sig	chr7_20793457
chr6	37576736	37576736	+	1.442E-21	3.8997E-20	-0.35073	hypo	sig	chr6_37576736
chr6	6004196	6004196	+	1.444E-21	3.9045E-20	0.267189	hyper	sig	chr6_6004196
chr10	1.01E+08	101228585	+	1.446E-21	3.9097E-20	0.250041	hyper	sig	chr10_101228585
chr6	50817398	50817398	+	1.446E-21	3.9118E-20	0.276574	hyper	sig	chr6_50817398
chr5	1.78E+08	178121591	+	1.448E-21	3.9149E-20	0.378387	hyper	sig	chr5_178121591
chr10	99234188	99234188	+	1.448E-21	3.917E-20	0.207344	hyper	sig	chr10_99234188
chr1	57422909	57422909	+	1.451E-21	3.9241E-20	0.234719	hyper	sig	chr1_57422909
chr2	63057694	63057694	+	1.451E-21	3.9245E-20	0.380791	hyper	sig	chr2_63057694
chr1	16521179	16521179	+	1.452E-21	3.9272E-20	0.360047	hyper	sig	chr1_16521179
chr14	53952896	53952896	+	1.454E-21	3.9314E-20	0.428808	hyper	sig	chr14_53952896
chr6	73364257	73364257	+	1.454E-21	3.9322E-20	-0.2975	hypo	sig	chr6_73364257
chr11	78962152	78962152	+	1.459E-21	3.9457E-20	0.328894	hyper	sig	chr11_78962152
chr14	1.03E+08	102950086	+	1.46E-21	3.9488E-20	0.269606	hyper	sig	chr14_102950086
chr13	26051236	26051236	+	1.461E-21	3.951E-20	0.200837	hyper	sig	chr13_26051236
chr7	1.39E+08	138664014	+	1.461E-21	3.951E-20	0.315384	hyper	sig	chr7_138664014
chr1	1.44E+08	143651954	+	1.463E-21	3.9544E-20	0.285196	hyper	sig	chr1_143651954
chr7	2221832	2221832	+	1.463E-21	3.9556E-20	0.325921	hyper	sig	chr7_2221832
chr5	1.41E+08	141332897	+	1.463E-21	3.9563E-20	0.283351	hyper	sig	chr5_141332897

chr4	80265902	80265902	+	1.464E-21	3.9577E-20	0.230465	hyper	sig	chr4_80265902
chr2	2.06E+08	205687137	+	1.464E-21	3.9585E-20	0.290883	hyper	sig	chr2_205687137
chr1	1.01E+08	100543684	+	1.465E-21	3.9609E-20	-0.20565	hypo	sig	chr1_100543684
chr19	46295612	46295612	+	1.465E-21	3.9609E-20	-0.27566	hypo	sig	chr19_46295612
chr2	196231	196231	+	1.465E-21	3.9611E-20	-0.30088	hypo	sig	chr2_196231
chr16	69917927	69917927	+	1.467E-21	3.9648E-20	0.247545	hyper	sig	chr16_69917927
chr3	27728668	27728668	+	1.467E-21	3.9655E-20	0.289317	hyper	sig	chr3_27728668
chr1	1.67E+08	166944954	+	1.468E-21	3.9661E-20	-0.26097	hypo	sig	chr1_166944954
chr5	1.41E+08	140877668	+	1.468E-21	3.9668E-20	0.331851	hyper	sig	chr5_140877668
chr16	88101913	88101913	+	1.469E-21	3.9691E-20	0.238928	hyper	sig	chr16_88101913
chr2	85134849	85134849	+	1.469E-21	3.9704E-20	0.297424	hyper	sig	chr2_85134849
chr16	85575328	85575328	+	1.472E-21	3.9774E-20	0.29637	hyper	sig	chr16_85575328
chr12	54054115	54054115	+	1.473E-21	3.9797E-20	0.248074	hyper	sig	chr12_54054115
chr11	1.29E+08	128693790	+	1.474E-21	3.9815E-20	0.22217	hyper	sig	chr11_128693790
chr17	48722286	48722286	+	1.474E-21	3.9827E-20	0.225979	hyper	sig	chr17_48722286
chr4	5893359	5893359	+	1.475E-21	3.985E-20	0.278201	hyper	sig	chr4_5893359
chr8	64586505	64586505	+	1.476E-21	3.9883E-20	0.27068	hyper	sig	chr8_64586505
chr1	3002188	3002188	+	1.477E-21	3.9893E-20	-0.22641	hypo	sig	chr1_3002188
chr6	1.67E+08	167094144	+	1.477E-21	3.9904E-20	-0.32984	hypo	sig	chr6_167094144
chr16	85534811	85534811	+	1.48E-21	3.9981E-20	0.208233	hyper	sig	chr16_85534811
chr12	81078339	81078339	+	1.481E-21	3.9999E-20	0.253051	hyper	sig	chr12_81078339
chr16	85197038	85197038	+	1.481E-21	4.0008E-20	0.319354	hyper	sig	chr16_85197038
chr1	1.58E+08	158181536	+	1.481E-21	4.0013E-20	0.266691	hyper	sig	chr1_158181536
chr3	45594924	45594924	+	1.482E-21	4.0038E-20	-0.26941	hypo	sig	chr3_45594924
chr9	1.24E+08	124273707	+	1.483E-21	4.0053E-20	0.270695	hyper	sig	chr9_124273707
chr19	19514623	19514623	+	1.484E-21	4.0083E-20	0.357102	hyper	sig	chr19_19514623
chr2	2.33E+08	233060450	+	1.484E-21	4.0087E-20	-0.30306	hypo	sig	chr2_233060450
chr3	46465064	46465064	+	1.485E-21	4.011E-20	0.295613	hyper	sig	chr3_46465064
chr14	56811470	56811470	+	1.485E-21	4.0119E-20	0.300078	hyper	sig	chr14_56811470
chr1	7509327	7509327	+	1.486E-21	4.014E-20	0.356218	hyper	sig	chr1_7509327
chr2	24828000	24828000	+	1.486E-21	4.014E-20	0.246178	hyper	sig	chr2_24828000
chr1	1.19E+08	119006180	+	1.489E-21	4.0206E-20	0.346992	hyper	sig	chr1_119006180
chr11	66049086	66049086	+	1.49E-21	4.0223E-20	0.31457	hyper	sig	chr11_66049086
chr16	4680485	4680485	+	1.49E-21	4.0244E-20	-0.28217	hypo	sig	chr16_4680485
chr8	1.45E+08	144699929	+	1.491E-21	4.027E-20	0.311062	hyper	sig	chr8_144699929
chr14	73718542	73718542	+	1.492E-21	4.0276E-20	0.363308	hyper	sig	chr14_73718542
chr11	14377055	14377055	+	1.492E-21	4.0283E-20	-0.24568	hypo	sig	chr11_14377055
chr7	97026134	97026134	+	1.493E-21	4.0313E-20	0.259193	hyper	sig	chr7_97026134
chr14	56811509	56811509	+	1.495E-21	4.0368E-20	0.288522	hyper	sig	chr14_56811509
chr2	1.32E+08	131813548	+	1.495E-21	4.0368E-20	-0.35571	hypo	sig	chr2_131813548
chr2	23617398	23617398	+	1.496E-21	4.0376E-20	0.291619	hyper	sig	chr2_23617398
chr16	761029	761029	+	1.496E-21	4.0387E-20	-0.27718	hypo	sig	chr16_761029
chr17	81472357	81472357	+	1.496E-21	4.0394E-20	0.375031	hyper	sig	chr17_81472357
chr19	17331171	17331171	+	1.496E-21	4.0396E-20	-0.26567	hypo	sig	chr19_17331171
chr5	1861736	1861736	+	1.497E-21	4.0418E-20	-0.2853	hypo	sig	chr5_1861736
chr15	37102970	37102970	+	1.5E-21	4.0486E-20	0.24543	hyper	sig	chr15_37102970
chr8	1.18E+08	118074368	+	1.501E-21	4.0505E-20	0.307399	hyper	sig	chr8_118074368
chr4	1.74E+08	173530115	+	1.502E-21	4.0549E-20	0.211085	hyper	sig	chr4_173530115
chr15	93071844	93071844	+	1.503E-21	4.0561E-20	0.265208	hyper	sig	chr15_93071844
chr6	1.37E+08	136923557	+	1.504E-21	4.0582E-20	0.346213	hyper	sig	chr6_136923557
chr2	2.22E+08	222295119	+	1.505E-21	4.0602E-20	0.386078	hyper	sig	chr2_222295119
chr14	1.04E+08	104422718	+	1.508E-21	4.07E-20	0.291562	hyper	sig	chr14_104422718
chr16	19169917	19169917	+	1.508E-21	4.07E-20	-0.24739	hypo	sig	chr16_19169917
chr13	24719140	24719140	+	1.511E-21	4.0765E-20	-0.33809	hypo	sig	chr13_24719140
chr19	7515457	7515457	+	1.511E-21	4.0769E-20	0.270968	hyper	sig	chr19_7515457
chr15	99426675	99426675	+	1.511E-21	4.0779E-20	-0.29314	hypo	sig	chr15_99426675

chr22	16962729	16962729	+	1.513E-21	4.0827E-20	-0.27233	hypo	sig	chr22_16962729
chr14	93789563	93789563	+	1.515E-21	4.0885E-20	0.318394	hyper	sig	chr14_93789563
chr17	44967376	44967376	+	1.516E-21	4.0897E-20	0.32325	hyper	sig	chr17_44967376
chr19	19211987	19211987	+	1.516E-21	4.0907E-20	0.303689	hyper	sig	chr19_19211987
chr4	95548515	95548515	+	1.519E-21	4.0967E-20	0.219033	hyper	sig	chr4_95548515
chr14	36514349	36514349	+	1.519E-21	4.0967E-20	0.285627	hyper	sig	chr14_36514349
chr13	98578052	98578052	+	1.519E-21	4.0984E-20	-0.29214	hypo	sig	chr13_98578052
chr6	30172361	30172361	+	1.519E-21	4.0986E-20	0.307276	hyper	sig	chr6_30172361
chr3	27723884	27723884	+	1.523E-21	4.1084E-20	0.283998	hyper	sig	chr3_27723884
chr7	1.56E+08	156122755	+	1.523E-21	4.1086E-20	-0.25617	hypo	sig	chr7_156122755
chr19	1993092	1993092	+	1.524E-21	4.1099E-20	-0.25068	hypo	sig	chr19_1993092
chr8	1.42E+08	142173156	+	1.527E-21	4.1174E-20	-0.27647	hypo	sig	chr8_142173156
chr1	3141587	3141587	+	1.529E-21	4.1229E-20	-0.23721	hypo	sig	chr1_3141587
chr1	2.21E+08	220882430	+	1.531E-21	4.128E-20	0.27156	hyper	sig	chr1_220882430
chr1	2.21E+08	220882493	+	1.531E-21	4.1287E-20	0.311404	hyper	sig	chr1_220882493
chr17	6995978	6995978	+	1.531E-21	4.1298E-20	0.230182	hyper	sig	chr17_6995978
chr3	4977150	4977150	+	1.532E-21	4.1303E-20	-0.22759	hypo	sig	chr3_4977150
chr12	44876623	44876623	+	1.533E-21	4.1329E-20	0.204757	hyper	sig	chr12_44876623
chr1	1315929	1315929	+	1.538E-21	4.1469E-20	0.284428	hyper	sig	chr1_1315929
chr4	80387300	80387300	+	1.539E-21	4.1507E-20	-0.25063	hypo	sig	chr4_80387300
chr5	2757862	2757862	+	1.541E-21	4.1544E-20	0.316069	hyper	sig	chr5_2757862
chr5	1.41E+08	141371918	+	1.541E-21	4.1549E-20	0.296334	hyper	sig	chr5_141371918
chr1	24931591	24931591	+	1.542E-21	4.1575E-20	0.287687	hyper	sig	chr1_24931591
chr12	46831768	46831768	+	1.543E-21	4.1592E-20	0.28032	hyper	sig	chr12_46831768
chr10	6179222	6179222	+	1.545E-21	4.1656E-20	0.260577	hyper	sig	chr10_6179222
chr17	82968160	82968160	+	1.55E-21	4.1782E-20	0.266075	hyper	sig	chr17_82968160
chr2	1.83E+08	182867132	+	1.55E-21	4.1788E-20	0.239282	hyper	sig	chr2_182867132
chr12	1.24E+08	124380135	+	1.551E-21	4.1818E-20	0.268067	hyper	sig	chr12_124380135
chr8	54466716	54466716	+	1.552E-21	4.1844E-20	0.260267	hyper	sig	chr8_54466716
chr16	86566720	86566720	+	1.554E-21	4.1878E-20	0.258219	hyper	sig	chr16_86566720
chr2	2.31E+08	230984978	+	1.554E-21	4.1889E-20	-0.30853	hypo	sig	chr2_230984978
chr16	85614798	85614798	+	1.555E-21	4.1911E-20	-0.35188	hypo	sig	chr16_85614798
chr19	48746827	48746827	+	1.557E-21	4.1965E-20	0.324537	hyper	sig	chr19_48746827
chr17	68198919	68198919	+	1.557E-21	4.1972E-20	0.293776	hyper	sig	chr17_68198919
chr13	1.1E+08	110248305	+	1.558E-21	4.1988E-20	0.303092	hyper	sig	chr13_110248305
chr6	49713548	49713548	+	1.56E-21	4.2037E-20	0.280945	hyper	sig	chr6_49713548
chr19	36791656	36791656	+	1.562E-21	4.2098E-20	0.277705	hyper	sig	chr19_36791656
chr19	53058258	53058258	+	1.562E-21	4.2098E-20	0.375167	hyper	sig	chr19_53058258
chr7	2729671	2729671	+	1.563E-21	4.2112E-20	0.406601	hyper	sig	chr7_2729671
chr9	1.31E+08	131308188	+	1.563E-21	4.2121E-20	-0.30323	hypo	sig	chr9_131308188
chr1	57423035	57423035	+	1.564E-21	4.2147E-20	0.322526	hyper	sig	chr1_57423035
chr21	33025452	33025452	+	1.566E-21	4.2184E-20	0.323092	hyper	sig	chr21_33025452
chr12	1.24E+08	123931740	+	1.567E-21	4.2227E-20	-0.22824	hypo	sig	chr12_123931740
chr2	1.55E+08	154698961	+	1.568E-21	4.2246E-20	0.248788	hyper	sig	chr2_154698961
chr2	691942	691942	+	1.569E-21	4.226E-20	0.256106	hyper	sig	chr2_691942
chr7	2763336	2763336	+	1.57E-21	4.2285E-20	0.294658	hyper	sig	chr7_2763336
chr2	2.08E+08	208407186	+	1.57E-21	4.2288E-20	0.295585	hyper	sig	chr2_208407186
chr6	1.37E+08	136920924	+	1.57E-21	4.2299E-20	0.206435	hyper	sig	chr6_136920924
chr22	21953312	21953312	+	1.571E-21	4.2303E-20	-0.29696	hypo	sig	chr22_21953312
chr3	52197359	52197359	+	1.572E-21	4.2334E-20	-0.30677	hypo	sig	chr3_52197359
chr11	66559292	66559292	+	1.572E-21	4.2343E-20	0.24995	hyper	sig	chr11_66559292
chr20	3732937	3732937	+	1.573E-21	4.2364E-20	0.271887	hyper	sig	chr20_3732937
chr7	1.59E+08	159037432	+	1.576E-21	4.2452E-20	-0.28537	hypo	sig	chr7_159037432
chr20	38728150	38728150	+	1.577E-21	4.2459E-20	0.39305	hyper	sig	chr20_38728150
chr13	36345527	36345527	+	1.577E-21	4.2461E-20	0.212382	hyper	sig	chr13_36345527
chr1	1.67E+08	166919447	+	1.577E-21	4.247E-20	-0.27217	hypo	sig	chr1_166919447

chr5	1.81E+08	181219729	+	1.58E-21	4.2547E-20	0.218005	hyper	sig	chr5_181219729
chr16	86566725	86566725	+	1.581E-21	4.2561E-20	0.253352	hyper	sig	chr16_86566725
chr7	1.02E+08	101916610	+	1.581E-21	4.258E-20	0.234667	hyper	sig	chr7_101916610
chr5	1.31E+08	130995457	+	1.584E-21	4.2656E-20	-0.30358	hypo	sig	chr5_130995457
chr5	1.41E+08	141361757	+	1.584E-21	4.2656E-20	0.294575	hyper	sig	chr5_141361757
chr5	1.81E+08	181114877	+	1.584E-21	4.2656E-20	0.315349	hyper	sig	chr5_181114877
chr16	86566900	86566900	+	1.584E-21	4.2656E-20	0.272651	hyper	sig	chr16_86566900
chr12	1.3E+08	130476905	+	1.587E-21	4.2713E-20	0.333164	hyper	sig	chr12_130476905
chr4	1.83E+08	182809618	+	1.587E-21	4.2723E-20	-0.36254	hypo	sig	chr4_182809618
chr13	36213860	36213860	+	1.588E-21	4.2742E-20	-0.24097	hypo	sig	chr13_36213860
chr4	1.4E+08	140426924	+	1.588E-21	4.2744E-20	0.234254	hyper	sig	chr4_140426924
chr12	1.13E+08	113479639	+	1.589E-21	4.2762E-20	0.25298	hyper	sig	chr12_113479639
chr1	2.33E+08	232805507	+	1.59E-21	4.2796E-20	0.200238	hyper	sig	chr1_232805507
chr2	3779192	3779192	+	1.59E-21	4.2796E-20	-0.27848	hypo	sig	chr2_3779192
chr2	1.76E+08	176124858	+	1.59E-21	4.2798E-20	-0.26217	hypo	sig	chr2_176124858
chr1	1.53E+08	152812997	+	1.59E-21	4.2804E-20	-0.23818	hypo	sig	chr1_152812997
chr8	27633404	27633404	+	1.591E-21	4.2807E-20	0.265412	hyper	sig	chr8_27633404
chr1	2.29E+08	229407378	+	1.593E-21	4.2869E-20	0.415251	hyper	sig	chr1_229407378
chr19	18087043	18087043	+	1.594E-21	4.291E-20	-0.25148	hypo	sig	chr19_18087043
chr22	24427541	24427541	+	1.597E-21	4.2974E-20	-0.29762	hypo	sig	chr22_24427541
chr19	48961802	48961802	+	1.598E-21	4.3006E-20	-0.25057	hypo	sig	chr19_48961802
chr3	1.43E+08	142959018	+	1.599E-21	4.3035E-20	-0.38994	hypo	sig	chr3_142959018
chr8	1.41E+08	141287485	+	1.6E-21	4.3043E-20	-0.27343	hypo	sig	chr8_141287485
chr2	1.31E+08	130796445	+	1.6E-21	4.3049E-20	-0.35048	hypo	sig	chr2_130796445
chr7	28408452	28408452	+	1.6E-21	4.3049E-20	0.324754	hyper	sig	chr7_28408452
chr5	43034160	43034160	+	1.601E-21	4.3064E-20	0.27097	hyper	sig	chr5_43034160
chr20	45306859	45306859	+	1.603E-21	4.3115E-20	0.344863	hyper	sig	chr20_45306859
chr5	31855095	31855095	+	1.603E-21	4.3133E-20	0.243312	hyper	sig	chr5_31855095
chr17	49994460	49994460	+	1.605E-21	4.3188E-20	0.349314	hyper	sig	chr17_49994460
chr10	8036157	8036157	+	1.606E-21	4.3193E-20	0.307247	hyper	sig	chr10_8036157
chr14	67542029	67542029	+	1.612E-21	4.3367E-20	-0.27703	hypo	sig	chr14_67542029
chr8	64579971	64579971	+	1.612E-21	4.3371E-20	0.267461	hyper	sig	chr8_64579971
chr7	21543844	21543844	+	1.613E-21	4.338E-20	0.208692	hyper	sig	chr7_21543844
chr17	4536330	4536330	+	1.613E-21	4.3396E-20	0.341805	hyper	sig	chr17_4536330
chr11	65546562	65546562	+	1.614E-21	4.3414E-20	-0.20743	hypo	sig	chr11_65546562
chr6	86937043	86937043	+	1.616E-21	4.3454E-20	0.356373	hyper	sig	chr6_86937043
chr2	3786226	3786226	+	1.619E-21	4.3539E-20	-0.36396	hypo	sig	chr2_3786226
chr1	2E+08	200036356	+	1.619E-21	4.3543E-20	0.366385	hyper	sig	chr1_200036356
chr4	1.53E+08	153205329	+	1.624E-21	4.3664E-20	-0.25492	hypo	sig	chr4_153205329
chr1	1.44E+08	143905651	+	1.625E-21	4.3711E-20	0.271106	hyper	sig	chr1_143905651
chr7	1.56E+08	155533163	+	1.628E-21	4.3784E-20	0.227483	hyper	sig	chr7_155533163
chr2	2.02E+08	202036778	+	1.629E-21	4.3816E-20	0.325258	hyper	sig	chr2_202036778
chr8	66961255	66961255	+	1.63E-21	4.3831E-20	0.29951	hyper	sig	chr8_66961255
chr15	69462375	69462375	+	1.631E-21	4.3857E-20	-0.25667	hypo	sig	chr15_69462375
chr12	6374576	6374576	+	1.631E-21	4.3861E-20	-0.27275	hypo	sig	chr12_6374576
chr13	1.11E+08	110526012	+	1.633E-21	4.3906E-20	-0.35626	hypo	sig	chr13_110526012
chr5	1.73E+08	173245646	+	1.637E-21	4.4008E-20	0.336758	hyper	sig	chr5_173245646
chr20	46035783	46035783	+	1.638E-21	4.4027E-20	-0.26563	hypo	sig	chr20_46035783
chr1	1144207	1144207	+	1.64E-21	4.4085E-20	-0.3269	hypo	sig	chr1_1144207
chr20	21397857	21397857	+	1.64E-21	4.4087E-20	0.430977	hyper	sig	chr20_21397857
chr12	85273575	85273575	+	1.641E-21	4.4113E-20	0.2361	hyper	sig	chr12_85273575
chr7	3056847	3056847	+	1.643E-21	4.4179E-20	0.255672	hyper	sig	chr7_3056847
chr5	1.41E+08	141421331	+	1.646E-21	4.4234E-20	0.283769	hyper	sig	chr5_141421331
chr4	1.53E+08	153249585	+	1.648E-21	4.4287E-20	0.234878	hyper	sig	chr4_153249585
chr5	1.16E+08	115963374	+	1.649E-21	4.4315E-20	0.383938	hyper	sig	chr5_115963374
chr4	1.07E+08	107035963	+	1.649E-21	4.432E-20	0.34387	hyper	sig	chr4_107035963

chr5	1.79E+08	179060847	+	1.65E-21	4.4345E-20	0.318809	hyper	sig	chr5_179060847
chr11	642975	642975	+	1.655E-21	4.4492E-20	-0.29863	hypo	sig	chr11_642975
chr4	1.54E+08	153789619	+	1.658E-21	4.4558E-20	0.376319	hyper	sig	chr4_153789619
chr6	1.6E+08	160090944	+	1.658E-21	4.4559E-20	-0.34598	hypo	sig	chr6_160090944
chr10	1.01E+08	100659588	+	1.659E-21	4.4573E-20	0.315063	hyper	sig	chr10_100659588
chr9	1.32E+08	131530590	+	1.66E-21	4.4597E-20	0.24681	hyper	sig	chr9_131530590
chr4	1E+08	100190012	+	1.66E-21	4.4618E-20	0.229089	hyper	sig	chr4_100190012
chr16	88410276	88410276	+	1.661E-21	4.4626E-20	-0.24501	hypo	sig	chr16_88410276
chr17	76000102	76000102	+	1.662E-21	4.4655E-20	0.310716	hyper	sig	chr17_76000102
chr3	48661708	48661708	+	1.663E-21	4.4692E-20	0.217136	hyper	sig	chr3_48661708
chr7	1.22E+08	122315517	+	1.664E-21	4.4707E-20	0.210382	hyper	sig	chr7_122315517
chr2	1E+08	100391723	+	1.669E-21	4.4828E-20	-0.27914	hypo	sig	chr2_100391723
chr12	4912297	4912297	+	1.669E-21	4.483E-20	-0.27342	hypo	sig	chr12_4912297
chr16	85449243	85449243	+	1.67E-21	4.4874E-20	-0.26824	hypo	sig	chr16_85449243
chr8	39314592	39314592	+	1.675E-21	4.5006E-20	0.312817	hyper	sig	chr8_39314592
chr8	84183790	84183790	+	1.678E-21	4.5066E-20	0.31833	hyper	sig	chr8_84183790
chr20	24470508	24470508	+	1.678E-21	4.5084E-20	0.309076	hyper	sig	chr20_24470508
chr12	1.07E+08	106585704	+	1.681E-21	4.5154E-20	0.289582	hyper	sig	chr12_106585704
chr8	72537946	72537946	+	1.682E-21	4.5171E-20	0.345994	hyper	sig	chr8_72537946
chr7	1.28E+08	128270874	+	1.682E-21	4.5175E-20	0.278238	hyper	sig	chr7_128270874
chr15	52788318	52788318	+	1.683E-21	4.5191E-20	0.34049	hyper	sig	chr15_52788318
chr13	26049545	26049545	+	1.684E-21	4.5231E-20	0.336705	hyper	sig	chr13_26049545
chr1	75130651	75130651	+	1.685E-21	4.5255E-20	0.300318	hyper	sig	chr1_75130651
chr5	1.41E+08	140848792	+	1.685E-21	4.5255E-20	0.303651	hyper	sig	chr5_140848792
chr7	65034551	65034551	+	1.686E-21	4.5277E-20	-0.36906	hypo	sig	chr7_65034551
chr18	909117	909117	+	1.688E-21	4.5336E-20	0.327777	hyper	sig	chr18_909117
chr11	65782973	65782973	+	1.69E-21	4.538E-20	-0.31218	hypo	sig	chr11_65782973
chr1	2.34E+08	233905104	+	1.691E-21	4.5407E-20	0.2944	hyper	sig	chr1_233905104
chr12	1.07E+08	106903216	+	1.691E-21	4.5414E-20	0.250345	hyper	sig	chr12_106903216
chr17	78232165	78232165	+	1.696E-21	4.5535E-20	0.26734	hyper	sig	chr17_78232165
chr7	1.43E+08	142797174	+	1.699E-21	4.5606E-20	0.271535	hyper	sig	chr7_142797174
chr2	11777490	11777490	+	1.701E-21	4.5656E-20	-0.26973	hypo	sig	chr2_11777490
chr9	1.21E+08	120894988	+	1.701E-21	4.5664E-20	0.271692	hyper	sig	chr9_120894988
chr10	99330749	99330749	+	1.702E-21	4.5688E-20	0.29234	hyper	sig	chr10_99330749
chr16	86303868	86303868	+	1.708E-21	4.5847E-20	0.323798	hyper	sig	chr16_86303868
chr13	1.13E+08	112729734	+	1.708E-21	4.5847E-20	0.277236	hyper	sig	chr13_112729734
chr1	2378653	2378653	+	1.709E-21	4.5871E-20	-0.2958	hypo	sig	chr1_2378653
chr1	10779445	10779445	+	1.709E-21	4.5871E-20	-0.33899	hypo	sig	chr1_10779445
chr7	1.58E+08	157851644	+	1.71E-21	4.5905E-20	-0.28727	hypo	sig	chr7_157851644
chr19	6276813	6276813	+	1.711E-21	4.5914E-20	0.299814	hyper	sig	chr19_6276813
chr11	44309387	44309387	+	1.712E-21	4.594E-20	0.242457	hyper	sig	chr11_44309387
chr17	82883245	82883245	+	1.712E-21	4.5947E-20	-0.31313	hypo	sig	chr17_82883245
chr2	40452434	40452434	+	1.713E-21	4.596E-20	0.272034	hyper	sig	chr2_40452434
chr8	71558532	71558532	+	1.713E-21	4.5966E-20	0.309164	hyper	sig	chr8_71558532
chr15	93028709	93028709	+	1.713E-21	4.5979E-20	0.349032	hyper	sig	chr15_93028709
chr21	44353411	44353411	+	1.718E-21	4.6096E-20	-0.26247	hypo	sig	chr21_44353411
chr10	1.33E+08	132943034	+	1.718E-21	4.6102E-20	0.3622	hyper	sig	chr10_132943034
chr5	1744181	1744181	+	1.722E-21	4.6202E-20	-0.31477	hypo	sig	chr5_1744181
chr20	45298019	45298019	+	1.723E-21	4.6238E-20	-0.41094	hypo	sig	chr20_45298019
chr11	1.3E+08	129743711	+	1.726E-21	4.6314E-20	-0.32506	hypo	sig	chr11_129743711
chr1	1.98E+08	197921368	+	1.727E-21	4.6341E-20	0.314203	hyper	sig	chr1_197921368
chr1	50416242	50416242	+	1.729E-21	4.6376E-20	0.284611	hyper	sig	chr1_50416242
chr10	1.31E+08	131253462	+	1.729E-21	4.6391E-20	-0.33328	hypo	sig	chr10_131253462
chr17	82882881	82882881	+	1.731E-21	4.645E-20	-0.36415	hypo	sig	chr17_82882881
chr12	63150051	63150051	+	1.733E-21	4.6494E-20	0.286827	hyper	sig	chr12_63150051
chr6	1.09E+08	108953214	+	1.737E-21	4.6583E-20	0.270096	hyper	sig	chr6_108953214

chr5	1.41E+08	140882100	+	1.737E-21	4.6599E-20	0.28532	hyper	sig	chr5_140882100
chr19	1399179	1399179	+	1.738E-21	4.6605E-20	-0.2966	hypo	sig	chr19_1399179
chr13	1.08E+08	107866063	+	1.739E-21	4.6644E-20	0.318373	hyper	sig	chr13_107866063
chr10	1.01E+08	100659810	+	1.743E-21	4.676E-20	0.264401	hyper	sig	chr10_100659810
chr12	1.3E+08	130017766	+	1.744E-21	4.6786E-20	0.315686	hyper	sig	chr12_130017766
chr16	81035400	81035400	+	1.745E-21	4.68E-20	-0.27666	hypo	sig	chr16_81035400
chr20	3712595	3712595	+	1.747E-21	4.6857E-20	-0.34723	hypo	sig	chr20_3712595
chr1	1.19E+08	118985567	+	1.748E-21	4.6866E-20	0.331969	hyper	sig	chr1_118985567
chr12	3369404	3369404	+	1.748E-21	4.6879E-20	-0.3778	hypo	sig	chr12_3369404
chr1	6033912	6033912	+	1.749E-21	4.6908E-20	0.257141	hyper	sig	chr1_6033912
chr4	1.77E+08	176792195	+	1.751E-21	4.6938E-20	0.29195	hyper	sig	chr4_176792195
chr8	1.43E+08	143272933	+	1.751E-21	4.6951E-20	-0.28656	hypo	sig	chr8_143272933
chr8	1.44E+08	143937900	+	1.751E-21	4.6951E-20	-0.25699	hypo	sig	chr8_143937900
chr1	1.19E+08	119000672	+	1.753E-21	4.7008E-20	0.269498	hyper	sig	chr1_119000672
chr15	89371979	89371979	+	1.753E-21	4.7008E-20	0.315504	hyper	sig	chr15_89371979
chr7	66202394	66202394	+	1.753E-21	4.7008E-20	-0.29266	hypo	sig	chr7_66202394
chr12	95549302	95549302	+	1.754E-21	4.7035E-20	0.312858	hyper	sig	chr12_95549302
chr16	67164195	67164195	+	1.757E-21	4.7089E-20	0.322777	hyper	sig	chr16_67164195
chr7	1233758	1233758	+	1.757E-21	4.7111E-20	0.36525	hyper	sig	chr7_1233758
chr6	1.53E+08	152636122	+	1.758E-21	4.7134E-20	0.311847	hyper	sig	chr6_152636122
chr2	2.39E+08	239199601	+	1.759E-21	4.714E-20	0.227496	hyper	sig	chr2_239199601
chr6	98842861	98842861	+	1.759E-21	4.7157E-20	0.31875	hyper	sig	chr6_98842861
chr12	64390846	64390846	+	1.76E-21	4.7174E-20	0.287778	hyper	sig	chr12_64390846
chr3	27729898	27729898	+	1.761E-21	4.7198E-20	0.302758	hyper	sig	chr3_27729898
chr2	1.19E+08	118842943	+	1.762E-21	4.721E-20	0.273842	hyper	sig	chr2_118842943
chr2	2.42E+08	241858894	+	1.762E-21	4.722E-20	-0.3313	hypo	sig	chr2_241858894
chr6	1.68E+08	167815789	+	1.764E-21	4.727E-20	-0.33314	hypo	sig	chr6_167815789
chr20	46513633	46513633	+	1.765E-21	4.7284E-20	0.256878	hyper	sig	chr20_46513633
chr10	1.31E+08	131312033	+	1.765E-21	4.7297E-20	0.364796	hyper	sig	chr10_131312033
chr22	44729835	44729835	+	1.767E-21	4.734E-20	0.355251	hyper	sig	chr22_44729835
chr8	1463775	1463775	+	1.767E-21	4.734E-20	-0.34105	hypo	sig	chr8_1463775
chr1	1.47E+08	147079260	+	1.768E-21	4.7359E-20	0.374421	hyper	sig	chr1_147079260
chr13	77918789	77918789	+	1.768E-21	4.7359E-20	0.330466	hyper	sig	chr13_77918789
chr8	1.31E+08	131039843	+	1.769E-21	4.7383E-20	0.311275	hyper	sig	chr8_131039843
chr11	27721999	27721999	+	1.769E-21	4.7399E-20	0.245887	hyper	sig	chr11_27721999
chr9	1.22E+08	122219846	+	1.77E-21	4.7408E-20	0.219139	hyper	sig	chr9_122219846
chr19	35138438	35138438	+	1.771E-21	4.745E-20	0.339675	hyper	sig	chr19_35138438
chr7	2110347	2110347	+	1.771E-21	4.745E-20	-0.36939	hypo	sig	chr7_2110347
chr8	1.39E+08	138914433	+	1.773E-21	4.7484E-20	0.22185	hyper	sig	chr8_138914433
chr20	62761395	62761395	+	1.776E-21	4.7566E-20	0.314971	hyper	sig	chr20_62761395
chr3	1.24E+08	123698197	+	1.776E-21	4.7566E-20	0.26964	hyper	sig	chr3_123698197
chr4	1.11E+08	110638199	+	1.779E-21	4.7641E-20	0.309324	hyper	sig	chr4_110638199
chr2	2.38E+08	238439767	+	1.779E-21	4.7658E-20	-0.28606	hypo	sig	chr2_238439767
chr6	10883677	10883677	+	1.78E-21	4.7684E-20	0.331309	hyper	sig	chr6_10883677
chr16	56190939	56190939	+	1.782E-21	4.771E-20	0.258454	hyper	sig	chr16_56190939
chr2	1E+08	100426618	+	1.784E-21	4.7767E-20	-0.24893	hypo	sig	chr2_100426618
chr7	1298684	1298684	+	1.785E-21	4.78E-20	-0.32449	hypo	sig	chr7_1298684
chr10	1.23E+08	123143324	+	1.785E-21	4.7808E-20	0.338463	hyper	sig	chr10_123143324
chr11	67573242	67573242	+	1.786E-21	4.7823E-20	-0.32707	hypo	sig	chr11_67573242
chr3	1.47E+08	147405402	+	1.787E-21	4.7856E-20	0.262686	hyper	sig	chr3_147405402
chr5	63962046	63962046	+	1.789E-21	4.7887E-20	0.25554	hyper	sig	chr5_63962046
chr11	655445	655445	+	1.79E-21	4.7932E-20	-0.29421	hypo	sig	chr11_655445
chr2	1.55E+08	154698805	+	1.793E-21	4.7994E-20	0.221259	hyper	sig	chr2_154698805
chr20	62476324	62476324	+	1.793E-21	4.8002E-20	0.338933	hyper	sig	chr20_62476324
chr6	27275258	27275258	+	1.794E-21	4.802E-20	0.290947	hyper	sig	chr6_27275258
chr11	8019030	8019030	+	1.795E-21	4.8047E-20	0.220272	hyper	sig	chr11_8019030

chr6	6006474	6006474	+	1.795E-21	4.805E-20	0.306714	hyper	sig	chr6_6006474
chr1	2.43E+08	242523705	+	1.796E-21	4.8067E-20	0.318837	hyper	sig	chr1_242523705
chr5	38258745	38258745	+	1.797E-21	4.8103E-20	0.243215	hyper	sig	chr5_38258745
chr5	42924225	42924225	+	1.798E-21	4.8116E-20	0.294334	hyper	sig	chr5_42924225
chr7	97024564	97024564	+	1.798E-21	4.8116E-20	0.343969	hyper	sig	chr7_97024564
chr1	44408020	44408020	+	1.798E-21	4.8126E-20	0.337104	hyper	sig	chr1_44408020
chr17	48722360	48722360	+	1.8E-21	4.8184E-20	0.204128	hyper	sig	chr17_48722360
chr8	26866456	26866456	+	1.804E-21	4.8265E-20	0.288391	hyper	sig	chr8_26866456
chr7	1E+08	100430846	+	1.804E-21	4.8275E-20	0.303734	hyper	sig	chr7_100430846
chr11	45693973	45693973	+	1.806E-21	4.8314E-20	-0.31714	hypo	sig	chr11_45693973
chr2	5692855	5692855	+	1.807E-21	4.8347E-20	0.342913	hyper	sig	chr2_5692855
chr16	54938876	54938876	+	1.808E-21	4.8365E-20	0.258337	hyper	sig	chr16_54938876
chr8	8325017	8325017	+	1.808E-21	4.837E-20	0.27227	hyper	sig	chr8_8325017
chr7	97013506	97013506	+	1.808E-21	4.8375E-20	0.297784	hyper	sig	chr7_97013506
chr7	1.51E+08	151013323	+	1.809E-21	4.8389E-20	0.302464	hyper	sig	chr7_151013323
chr13	27793145	27793145	+	1.812E-21	4.8474E-20	0.461754	hyper	sig	chr13_27793145
chr8	24914831	24914831	+	1.813E-21	4.8489E-20	0.263273	hyper	sig	chr8_24914831
chr15	92818659	92818659	+	1.813E-21	4.849E-20	-0.30994	hypo	sig	chr15_92818659
chr19	41904296	41904296	+	1.814E-21	4.8519E-20	-0.29375	hypo	sig	chr19_41904296
chr10	1.01E+08	101228627	+	1.815E-21	4.8538E-20	0.25146	hyper	sig	chr10_101228627
chr2	5693019	5693019	+	1.82E-21	4.8671E-20	0.30833	hyper	sig	chr2_5693019
chr19	41090174	41090174	+	1.821E-21	4.8718E-20	0.288834	hyper	sig	chr19_41090174
chr5	88660015	88660015	+	1.822E-21	4.8727E-20	0.306373	hyper	sig	chr5_88660015
chr16	89817629	89817629	+	1.822E-21	4.8734E-20	-0.25308	hypo	sig	chr16_89817629
chr11	2135228	2135228	+	1.823E-21	4.8746E-20	-0.29863	hypo	sig	chr11_2135228
chr16	89154148	89154148	+	1.823E-21	4.8753E-20	-0.28042	hypo	sig	chr16_89154148
chr16	80938345	80938345	+	1.824E-21	4.8789E-20	0.294045	hyper	sig	chr16_80938345
chr12	1.3E+08	129902586	+	1.825E-21	4.8797E-20	0.324439	hyper	sig	chr12_129902586
chr4	92305398	92305398	+	1.825E-21	4.881E-20	0.251292	hyper	sig	chr4_92305398
chr9	1.3E+08	129621067	+	1.826E-21	4.8837E-20	0.275581	hyper	sig	chr9_129621067
chr17	79379408	79379408	+	1.827E-21	4.8842E-20	-0.31125	hypo	sig	chr17_79379408
chr6	37705997	37705997	+	1.83E-21	4.8921E-20	0.208424	hyper	sig	chr6_37705997
chr7	1318483	1318483	+	1.83E-21	4.8921E-20	-0.35361	hypo	sig	chr7_1318483
chr12	1.22E+08	121792644	+	1.83E-21	4.8933E-20	-0.28568	hypo	sig	chr12_121792644
chr17	64778594	64778594	+	1.831E-21	4.895E-20	0.24353	hyper	sig	chr17_64778594
chr16	83626309	83626309	+	1.831E-21	4.895E-20	-0.2936	hypo	sig	chr16_83626309
chr2	950318	950318	+	1.831E-21	4.8951E-20	0.309398	hyper	sig	chr2_950318
chr8	1.38E+08	137755435	+	1.832E-21	4.8962E-20	-0.31134	hypo	sig	chr8_137755435
chr10	1.01E+08	100830533	+	1.832E-21	4.8973E-20	0.217136	hyper	sig	chr10_100830533
chr15	82676624	82676624	+	1.835E-21	4.9041E-20	-0.34512	hypo	sig	chr15_82676624
chr18	46333620	46333620	+	1.835E-21	4.9046E-20	0.23606	hyper	sig	chr18_46333620
chr15	1.01E+08	101009102	+	1.836E-21	4.9063E-20	-0.26875	hypo	sig	chr15_101009102
chr4	1.22E+08	121765368	+	1.838E-21	4.9113E-20	0.250929	hyper	sig	chr4_121765368
chr2	8571194	8571194	+	1.838E-21	4.9117E-20	0.276211	hyper	sig	chr2_8571194
chr4	55794287	55794287	+	1.839E-21	4.914E-20	0.24919	hyper	sig	chr4_55794287
chr15	83379330	83379330	+	1.839E-21	4.915E-20	0.283278	hyper	sig	chr15_83379330
chr19	57614700	57614700	+	1.841E-21	4.9185E-20	0.27037	hyper	sig	chr19_57614700
chr12	34385830	34385830	+	1.842E-21	4.9213E-20	-0.34734	hypo	sig	chr12_34385830
chr5	80034905	80034905	+	1.843E-21	4.9257E-20	0.310462	hyper	sig	chr5_80034905
chr1	90725044	90725044	+	1.847E-21	4.9355E-20	0.382049	hyper	sig	chr1_90725044
chr11	55872850	55872850	+	1.848E-21	4.9376E-20	0.335301	hyper	sig	chr11_55872850
chr7	1.57E+08	157465983	+	1.85E-21	4.9427E-20	0.304917	hyper	sig	chr7_157465983
chr1	1.11E+08	111271090	+	1.85E-21	4.9434E-20	0.276281	hyper	sig	chr1_111271090
chr19	7873653	7873653	+	1.851E-21	4.9442E-20	0.371367	hyper	sig	chr19_7873653
chr17	79439153	79439153	+	1.855E-21	4.955E-20	0.27222	hyper	sig	chr17_79439153
chr16	7303513	7303513	+	1.862E-21	4.9736E-20	0.317582	hyper	sig	chr16_7303513

chr4	1576205	1576205	+	1.863E-21	4.9762E-20	-0.26772	hypo	sig	chr4_1576205
chr7	1.01E+08	100720489	+	1.863E-21	4.9779E-20	0.331116	hyper	sig	chr7_100720489
chr5	37838631	37838631	+	1.864E-21	4.9783E-20	0.238205	hyper	sig	chr5_37838631
chr8	883183	883183	+	1.865E-21	4.9819E-20	-0.29632	hypo	sig	chr8_883183
chr16	10183469	10183469	+	1.866E-21	4.9848E-20	0.227248	hyper	sig	chr16_10183469
chr17	82968192	82968192	+	1.868E-21	4.9885E-20	0.24256	hyper	sig	chr17_82968192
chr3	1.83E+08	183255298	+	1.869E-21	4.9906E-20	-0.30921	hypo	sig	chr3_183255298
chr16	84062822	84062822	+	1.87E-21	4.9935E-20	0.270444	hyper	sig	chr16_84062822
chr5	1.35E+08	135039100	+	1.871E-21	4.997E-20	0.372267	hyper	sig	chr5_135039100
chr7	55254394	55254394	+	1.871E-21	4.9971E-20	-0.3092	hypo	sig	chr7_55254394
chr14	77140647	77140647	+	1.871E-21	4.9977E-20	0.301386	hyper	sig	chr14_77140647
chr2	1.05E+08	104867069	+	1.873E-21	5.0013E-20	0.337385	hyper	sig	chr2_104867069
chr6	1.69E+08	168999665	+	1.873E-21	5.0022E-20	-0.35481	hypo	sig	chr6_168999665
chr9	1.37E+08	136964605	+	1.875E-21	5.0081E-20	-0.28059	hypo	sig	chr9_136964605
chr8	41309526	41309526	+	1.877E-21	5.0117E-20	0.234061	hyper	sig	chr8_41309526
chr1	1.44E+08	143651565	+	1.878E-21	5.0132E-20	0.338753	hyper	sig	chr1_143651565
chr1	2E+08	200036736	+	1.88E-21	5.02E-20	0.327188	hyper	sig	chr1_200036736
chr10	93063494	93063494	+	1.881E-21	5.0207E-20	0.287801	hyper	sig	chr10_93063494
chr12	1797584	1797584	+	1.881E-21	5.0221E-20	-0.26188	hypo	sig	chr12_1797584
chr1	1.82E+08	182057330	+	1.884E-21	5.0283E-20	0.311436	hyper	sig	chr1_182057330
chr2	2.32E+08	232458992	+	1.885E-21	5.0307E-20	0.312563	hyper	sig	chr2_232458992
chr3	48269126	48269126	+	1.885E-21	5.0307E-20	-0.24454	hypo	sig	chr3_48269126
chr1	2E+08	200042319	+	1.886E-21	5.0337E-20	0.310632	hyper	sig	chr1_200042319
chr4	1.5E+08	150257053	+	1.887E-21	5.0364E-20	-0.29136	hypo	sig	chr4_150257053
chr9	1.24E+08	124487267	+	1.891E-21	5.0483E-20	0.339393	hyper	sig	chr9_124487267
chr19	36421817	36421817	+	1.892E-21	5.0487E-20	0.307197	hyper	sig	chr19_36421817
chr4	8394515	8394515	+	1.894E-21	5.0543E-20	0.301232	hyper	sig	chr4_8394515
chr6	10882859	10882859	+	1.897E-21	5.0621E-20	0.278167	hyper	sig	chr6_10882859
chr19	2588539	2588539	+	1.9E-21	5.0696E-20	-0.24189	hypo	sig	chr19_2588539
chr1	1.83E+08	183416902	+	1.9E-21	5.0705E-20	0.246319	hyper	sig	chr1_183416902
chr20	1565318	1565318	+	1.9E-21	5.0709E-20	-0.38079	hypo	sig	chr20_1565318
chr11	2189076	2189076	+	1.903E-21	5.0771E-20	-0.312	hypo	sig	chr11_2189076
chr3	15328174	15328174	+	1.907E-21	5.0874E-20	-0.27334	hypo	sig	chr3_15328174
chr19	2494474	2494474	+	1.908E-21	5.0903E-20	0.25117	hyper	sig	chr19_2494474
chr16	86906741	86906741	+	1.909E-21	5.0937E-20	0.383008	hyper	sig	chr16_86906741
chr1	1.8E+08	179743163	+	1.91E-21	5.0952E-20	0.22359	hyper	sig	chr1_179743163
chr15	52789079	52789079	+	1.913E-21	5.1049E-20	0.311929	hyper	sig	chr15_52789079
chr16	1482484	1482484	+	1.915E-21	5.108E-20	-0.3847	hypo	sig	chr16_1482484
chr19	48746787	48746787	+	1.916E-21	5.1115E-20	0.356443	hyper	sig	chr19_48746787
chr1	98049538	98049538	+	1.917E-21	5.1149E-20	0.251797	hyper	sig	chr1_98049538
chr8	56447349	56447349	+	1.919E-21	5.1182E-20	0.284107	hyper	sig	chr8_56447349
chr7	4613251	4613251	+	1.92E-21	5.1217E-20	-0.25549	hypo	sig	chr7_4613251
chr3	1.96E+08	196180271	+	1.922E-21	5.1269E-20	-0.25481	hypo	sig	chr3_196180271
chr1	14599360	14599360	+	1.922E-21	5.1277E-20	0.306932	hyper	sig	chr1_14599360
chr1	1942060	1942060	+	1.922E-21	5.1279E-20	-0.33567	hypo	sig	chr1_1942060
chr16	89202489	89202489	+	1.923E-21	5.1303E-20	0.24938	hyper	sig	chr16_89202489
chr17	30235099	30235099	+	1.924E-21	5.1304E-20	0.273604	hyper	sig	chr17_30235099
chr15	79283909	79283909	+	1.924E-21	5.1308E-20	0.25706	hyper	sig	chr15_79283909
chr20	21517601	21517601	+	1.924E-21	5.1308E-20	0.287276	hyper	sig	chr20_21517601
chr14	44963205	44963205	+	1.924E-21	5.132E-20	0.267587	hyper	sig	chr14_44963205
chr1	2.36E+08	236074497	+	1.926E-21	5.1355E-20	-0.25244	hypo	sig	chr1_236074497
chr8	1.4E+08	139702780	+	1.926E-21	5.1361E-20	0.208209	hyper	sig	chr8_139702780
chr8	66432871	66432871	+	1.926E-21	5.1367E-20	0.378591	hyper	sig	chr8_66432871
chr13	1.13E+08	113109520	+	1.926E-21	5.1367E-20	0.300819	hyper	sig	chr13_113109520
chr3	1.83E+08	183254986	+	1.927E-21	5.1384E-20	-0.2982	hypo	sig	chr3_183254986
chr19	12974628	12974628	+	1.93E-21	5.1453E-20	-0.25563	hypo	sig	chr19_12974628

chr1	44261299	44261299	+	1.932E-21	5.1506E-20	-0.30597	hypo	sig	chr1_44261299
chr7	4267796	4267796	+	1.932E-21	5.1514E-20	0.236602	hyper	sig	chr7_4267796
chr3	1.29E+08	128576202	+	1.933E-21	5.1542E-20	-0.25361	hypo	sig	chr3_128576202
chr12	53951998	53951998	+	1.937E-21	5.1637E-20	0.242156	hyper	sig	chr12_53951998
chr6	29553346	29553346	+	1.938E-21	5.1653E-20	0.246921	hyper	sig	chr6_29553346
chr7	5558090	5558090	+	1.938E-21	5.1654E-20	0.259519	hyper	sig	chr7_5558090
chr17	48725524	48725524	+	1.938E-21	5.1672E-20	0.2493	hyper	sig	chr17_48725524
chr5	1.78E+08	178387724	+	1.939E-21	5.1675E-20	-0.28406	hypo	sig	chr5_178387724
chr13	36346487	36346487	+	1.941E-21	5.1737E-20	0.220535	hyper	sig	chr13_36346487
chr7	28410311	28410311	+	1.944E-21	5.1809E-20	0.224715	hyper	sig	chr7_28410311
chr6	83853398	83853398	+	1.944E-21	5.1815E-20	0.242686	hyper	sig	chr6_83853398
chr2	1.19E+08	118834062	+	1.945E-21	5.1827E-20	0.354702	hyper	sig	chr2_118834062
chr9	1.24E+08	124487343	+	1.945E-21	5.185E-20	0.335285	hyper	sig	chr9_124487343
chr4	1.74E+08	173527498	+	1.951E-21	5.2005E-20	0.264185	hyper	sig	chr4_173527498
chr7	2721029	2721029	+	1.954E-21	5.2075E-20	-0.29921	hypo	sig	chr7_2721029
chr4	92305418	92305418	+	1.958E-21	5.2166E-20	0.239755	hyper	sig	chr4_92305418
chr1	1.19E+08	118984769	+	1.958E-21	5.2179E-20	0.217185	hyper	sig	chr1_118984769
chr4	1.33E+08	133148227	+	1.959E-21	5.219E-20	0.299487	hyper	sig	chr4_133148227
chr10	99234173	99234173	+	1.96E-21	5.2228E-20	0.22294	hyper	sig	chr10_99234173
chr12	6362050	6362050	+	1.961E-21	5.2246E-20	-0.3001	hypo	sig	chr12_6362050
chr7	90119721	90119721	+	1.964E-21	5.2341E-20	0.245317	hyper	sig	chr7_90119721
chr7	1.09E+08	108528267	+	1.966E-21	5.2376E-20	-0.29546	hypo	sig	chr7_108528267
chr15	1.01E+08	100880461	+	1.969E-21	5.2445E-20	0.315873	hyper	sig	chr15_100880461
chr2	26705377	26705377	+	1.969E-21	5.2445E-20	-0.20703	hypo	sig	chr2_26705377
chr16	10877298	10877298	+	1.97E-21	5.2473E-20	-0.2353	hypo	sig	chr16_10877298
chr3	68932744	68932744	+	1.972E-21	5.2538E-20	0.278105	hyper	sig	chr3_68932744
chr10	1206538	1206538	+	1.976E-21	5.2627E-20	-0.28097	hypo	sig	chr10_1206538
chr21	9735787	9735787	+	1.976E-21	5.2635E-20	-0.24247	hypo	sig	chr21_9735787
chr2	27307538	27307538	+	1.978E-21	5.2696E-20	0.279392	hyper	sig	chr2_27307538
chr7	1.29E+08	128697714	+	1.98E-21	5.2746E-20	0.367641	hyper	sig	chr7_128697714
chr11	46597849	46597849	+	1.981E-21	5.2754E-20	-0.27257	hypo	sig	chr11_46597849
chr6	32055325	32055325	+	1.982E-21	5.2781E-20	-0.27827	hypo	sig	chr6_32055325
chr7	1.58E+08	158451068	+	1.985E-21	5.2857E-20	-0.33034	hypo	sig	chr7_158451068
chr12	43552111	43552111	+	1.985E-21	5.2867E-20	0.317092	hyper	sig	chr12_43552111
chr3	1.43E+08	142959021	+	1.989E-21	5.2973E-20	-0.38443	hypo	sig	chr3_142959021
chr16	2083383	2083383	+	1.989E-21	5.2975E-20	0.294768	hyper	sig	chr16_2083383
chr9	1.36E+08	135969744	+	1.989E-21	5.2978E-20	-0.38091	hypo	sig	chr9_135969744
chr11	27721640	27721640	+	1.99E-21	5.2981E-20	0.358339	hyper	sig	chr11_27721640
chr8	70070607	70070607	+	1.992E-21	5.3033E-20	0.378606	hyper	sig	chr8_70070607
chr11	40293842	40293842	+	1.992E-21	5.304E-20	0.288612	hyper	sig	chr11_40293842
chr1	2.28E+08	228470061	+	1.994E-21	5.3081E-20	0.267205	hyper	sig	chr1_228470061
chr4	1.54E+08	153793694	+	1.994E-21	5.3081E-20	-0.33639	hypo	sig	chr4_153793694
chr19	43699481	43699481	+	1.995E-21	5.3127E-20	0.312058	hyper	sig	chr19_43699481
chr1	13583703	13583703	+	1.997E-21	5.3172E-20	0.211869	hyper	sig	chr1_13583703
chr19	22138895	22138895	+	1.997E-21	5.3172E-20	-0.30963	hypo	sig	chr19_22138895
chr7	1.56E+08	155510202	+	1.997E-21	5.3172E-20	0.244037	hyper	sig	chr7_155510202
chr12	81077880	81077880	+	1.998E-21	5.3175E-20	0.264752	hyper	sig	chr12_81077880
chr19	48414931	48414931	+	1.998E-21	5.3178E-20	0.373775	hyper	sig	chr19_48414931
chr7	1.57E+08	157004301	+	2E-21	5.3224E-20	0.223532	hyper	sig	chr7_157004301
chr16	71230791	71230791	+	2E-21	5.3241E-20	0.206077	hyper	sig	chr16_71230791
chr5	73311762	73311762	+	2.001E-21	5.3259E-20	0.302161	hyper	sig	chr5_73311762
chr22	49671315	49671315	+	2.001E-21	5.3266E-20	0.326827	hyper	sig	chr22_49671315
chr11	1.23E+08	122977810	+	2.002E-21	5.3283E-20	0.279453	hyper	sig	chr11_122977810
chr6	50706714	50706714	+	2.002E-21	5.3292E-20	0.329986	hyper	sig	chr6_50706714
chr10	1.33E+08	133071011	+	2.003E-21	5.3303E-20	-0.27311	hypo	sig	chr10_133071011
chr10	23195130	23195130	+	2.005E-21	5.3344E-20	0.359532	hyper	sig	chr10_23195130

chr19	38265190	38265190	+	2.005E-21	5.3349E-20	-0.29813	hypo	sig	chr19_38265190
chr16	86214588	86214588	+	2.007E-21	5.3395E-20	-0.26522	hypo	sig	chr16_86214588
chr17	59330480	59330480	+	2.008E-21	5.3434E-20	-0.25464	hypo	sig	chr17_59330480
chr19	57935377	57935377	+	2.011E-21	5.3518E-20	0.288906	hyper	sig	chr19_57935377
chr8	39314638	39314638	+	2.012E-21	5.3533E-20	0.369013	hyper	sig	chr8_39314638
chr4	1.33E+08	133151733	+	2.012E-21	5.3534E-20	0.325896	hyper	sig	chr4_133151733
chr3	6862234	6862234	+	2.012E-21	5.3542E-20	0.39834	hyper	sig	chr3_6862234
chr12	4910730	4910730	+	2.013E-21	5.3559E-20	0.216373	hyper	sig	chr12_4910730
chr1	1.11E+08	110606293	+	2.015E-21	5.3617E-20	0.24109	hyper	sig	chr1_110606293
chr9	1.37E+08	137079372	+	2.026E-21	5.3902E-20	0.346942	hyper	sig	chr9_137079372
chr12	1.1E+08	109833202	+	2.027E-21	5.3914E-20	0.291078	hyper	sig	chr12_109833202
chr16	51155973	51155973	+	2.027E-21	5.3918E-20	0.340821	hyper	sig	chr16_51155973
chr18	6929718	6929718	+	2.029E-21	5.3959E-20	-0.36221	hypo	sig	chr18_6929718
chr16	85448922	85448922	+	2.033E-21	5.4073E-20	-0.34153	hypo	sig	chr16_85448922
chr11	2213788	2213788	+	2.036E-21	5.4161E-20	-0.38303	hypo	sig	chr11_2213788
chr10	1.33E+08	132794352	+	2.037E-21	5.4181E-20	-0.35325	hypo	sig	chr10_132794352
chr6	31766022	31766022	+	2.038E-21	5.4201E-20	0.210478	hyper	sig	chr6_31766022
chr16	3175043	3175043	+	2.043E-21	5.4335E-20	0.30129	hyper	sig	chr16_3175043
chr5	77851191	77851191	+	2.048E-21	5.4467E-20	0.356607	hyper	sig	chr5_77851191
chr17	48734139	48734139	+	2.049E-21	5.4499E-20	0.225391	hyper	sig	chr17_48734139
chr7	35186664	35186664	+	2.051E-21	5.4536E-20	0.243164	hyper	sig	chr7_35186664
chr2	2.02E+08	202171391	+	2.055E-21	5.4639E-20	0.272417	hyper	sig	chr2_202171391
chr1	75130474	75130474	+	2.056E-21	5.4657E-20	0.233519	hyper	sig	chr1_75130474
chr16	28880436	28880436	+	2.059E-21	5.4747E-20	0.270509	hyper	sig	chr16_28880436
chr2	17193724	17193724	+	2.06E-21	5.4766E-20	-0.23478	hypo	sig	chr2_17193724
chr2	1.1E+08	110114018	+	2.061E-21	5.48E-20	-0.34005	hypo	sig	chr2_110114018
chr7	3974390	3974390	+	2.062E-21	5.4816E-20	-0.35642	hypo	sig	chr7_3974390
chr11	2807367	2807367	+	2.063E-21	5.4849E-20	0.294028	hyper	sig	chr11_2807367
chr4	1.54E+08	153789219	+	2.067E-21	5.4961E-20	0.301075	hyper	sig	chr4_153789219
chr19	33683771	33683771	+	2.068E-21	5.4964E-20	-0.26533	hypo	sig	chr19_33683771
chr14	55241074	55241074	+	2.069E-21	5.4995E-20	0.35888	hyper	sig	chr14_55241074
chr11	66676881	66676881	+	2.071E-21	5.5052E-20	0.261602	hyper	sig	chr11_66676881
chr10	1.29E+08	129033172	+	2.071E-21	5.5053E-20	0.233841	hyper	sig	chr10_129033172
chr20	41339591	41339591	+	2.072E-21	5.5061E-20	-0.40311	hypo	sig	chr20_41339591
chr8	33599696	33599696	+	2.072E-21	5.5076E-20	0.206265	hyper	sig	chr8_33599696
chr3	62369830	62369830	+	2.073E-21	5.5083E-20	0.326578	hyper	sig	chr3_62369830
chr11	65833268	65833268	+	2.075E-21	5.5156E-20	0.352262	hyper	sig	chr11_65833268
chr9	97855428	97855428	+	2.077E-21	5.5184E-20	0.320029	hyper	sig	chr9_97855428
chr7	1.58E+08	157513707	+	2.077E-21	5.52E-20	-0.30538	hypo	sig	chr7_157513707
chr7	97002441	97002441	+	2.078E-21	5.5227E-20	0.317368	hyper	sig	chr7_97002441
chr12	4909433	4909433	+	2.079E-21	5.5236E-20	0.287069	hyper	sig	chr12_4909433
chr8	22715666	22715666	+	2.081E-21	5.5302E-20	-0.24483	hypo	sig	chr8_22715666
chr11	1.02E+08	101582389	+	2.082E-21	5.5312E-20	0.292157	hyper	sig	chr11_101582389
chr1	40133100	40133100	+	2.084E-21	5.5375E-20	0.338136	hyper	sig	chr1_40133100
chr5	33936071	33936071	+	2.086E-21	5.5426E-20	0.237281	hyper	sig	chr5_33936071
chr11	15114513	15114513	+	2.09E-21	5.5512E-20	0.246967	hyper	sig	chr11_15114513
chr12	96490023	96490023	+	2.092E-21	5.5585E-20	0.323399	hyper	sig	chr12_96490023
chr22	39558228	39558228	+	2.094E-21	5.5629E-20	0.319257	hyper	sig	chr22_39558228
chr15	40770085	40770085	+	2.095E-21	5.5664E-20	-0.26086	hypo	sig	chr15_40770085
chr13	1.14E+08	114048531	+	2.097E-21	5.5691E-20	-0.32711	hypo	sig	chr13_114048531
chr19	7928503	7928503	+	2.098E-21	5.5735E-20	0.313005	hyper	sig	chr19_7928503
chr4	386537	386537	+	2.099E-21	5.5745E-20	0.290087	hyper	sig	chr4_386537
chr10	1.23E+08	123134569	+	2.102E-21	5.5838E-20	0.237013	hyper	sig	chr10_123134569
chr13	98571308	98571308	+	2.102E-21	5.5838E-20	-0.24627	hypo	sig	chr13_98571308
chr1	2.27E+08	226737087	+	2.104E-21	5.5882E-20	0.340106	hyper	sig	chr1_226737087
chr13	1.08E+08	107865744	+	2.105E-21	5.5901E-20	0.344055	hyper	sig	chr13_107865744

chr16	85207064	85207064	+	2.109E-21	5.6008E-20	0.306229	hyper	sig	chr16_85207064
chr19	1876659	1876659	+	2.11E-21	5.6037E-20	0.291792	hyper	sig	chr19_1876659
chr19	53942209	53942209	+	2.111E-21	5.6045E-20	0.309277	hyper	sig	chr19_53942209
chr19	39312342	39312342	+	2.111E-21	5.6052E-20	-0.25556	hypo	sig	chr19_39312342
chr8	1.43E+08	142563755	+	2.115E-21	5.6154E-20	-0.33568	hypo	sig	chr8_142563755
chr15	74133903	74133903	+	2.115E-21	5.6167E-20	0.355525	hyper	sig	chr15_74133903
chr11	32428609	32428609	+	2.119E-21	5.6261E-20	0.325697	hyper	sig	chr11_32428609
chr3	23811365	23811365	+	2.119E-21	5.6264E-20	-0.29883	hypo	sig	chr3_23811365
chr7	1235606	1235606	+	2.122E-21	5.6339E-20	0.253662	hyper	sig	chr7_1235606
chr8	93701367	93701367	+	2.124E-21	5.6391E-20	0.287979	hyper	sig	chr8_93701367
chr1	2.27E+08	226737064	+	2.125E-21	5.6401E-20	0.337269	hyper	sig	chr1_226737064
chr7	1.56E+08	155533190	+	2.125E-21	5.6401E-20	0.215589	hyper	sig	chr7_155533190
chr19	56765309	56765309	+	2.126E-21	5.6427E-20	0.324746	hyper	sig	chr19_56765309
chr12	49544233	49544233	+	2.128E-21	5.6481E-20	0.371092	hyper	sig	chr12_49544233
chr1	2237821	2237821	+	2.134E-21	5.6631E-20	0.28038	hyper	sig	chr1_2237821
chr2	47566194	47566194	+	2.134E-21	5.6643E-20	-0.27626	hypo	sig	chr2_47566194
chr16	88375716	88375716	+	2.136E-21	5.6695E-20	-0.27316	hypo	sig	chr16_88375716
chr12	1.31E+08	130716122	+	2.137E-21	5.6711E-20	0.269868	hyper	sig	chr12_130716122
chr6	41638671	41638671	+	2.137E-21	5.6717E-20	0.264405	hyper	sig	chr6_41638671
chr13	27796891	27796891	+	2.137E-21	5.6725E-20	0.317032	hyper	sig	chr13_27796891
chr2	2.08E+08	207926893	+	2.138E-21	5.6736E-20	0.266972	hyper	sig	chr2_207926893
chr13	22758471	22758471	+	2.139E-21	5.6766E-20	-0.32821	hypo	sig	chr13_22758471
chr19	46413257	46413257	+	2.14E-21	5.6778E-20	0.251953	hyper	sig	chr19_46413257
chr13	1.08E+08	108496641	+	2.141E-21	5.682E-20	0.416623	hyper	sig	chr13_108496641
chr7	4767473	4767473	+	2.142E-21	5.6848E-20	0.320558	hyper	sig	chr7_4767473
chr1	1.57E+08	156927536	+	2.143E-21	5.6867E-20	0.200575	hyper	sig	chr1_156927536
chr19	17407288	17407288	+	2.144E-21	5.6898E-20	-0.26283	hypo	sig	chr19_17407288
chr7	1.41E+08	141073090	+	2.145E-21	5.6918E-20	0.245743	hyper	sig	chr7_141073090
chr3	1.86E+08	186361505	+	2.145E-21	5.6919E-20	0.286626	hyper	sig	chr3_186361505
chr10	1.17E+08	117140305	+	2.15E-21	5.7027E-20	0.366431	hyper	sig	chr10_117140305
chr11	625743	625743	+	2.15E-21	5.704E-20	-0.33265	hypo	sig	chr11_625743
chr16	1258175	1258175	+	2.15E-21	5.704E-20	-0.31862	hypo	sig	chr16_1258175
chr17	64777961	64777961	+	2.151E-21	5.7063E-20	0.270605	hyper	sig	chr17_64777961
chr1	3369739	3369739	+	2.153E-21	5.7113E-20	0.242279	hyper	sig	chr1_3369739
chr2	1.19E+08	118854679	+	2.154E-21	5.7138E-20	0.278534	hyper	sig	chr2_118854679
chr7	1234542	1234542	+	2.156E-21	5.7181E-20	0.316041	hyper	sig	chr7_1234542
chr11	90134732	90134732	+	2.158E-21	5.7244E-20	0.245998	hyper	sig	chr11_90134732
chr16	85615094	85615094	+	2.159E-21	5.7259E-20	-0.27306	hypo	sig	chr16_85615094
chr16	89949617	89949617	+	2.159E-21	5.7265E-20	0.292023	hyper	sig	chr16_89949617
chr2	1.19E+08	118859162	+	2.16E-21	5.7279E-20	0.209521	hyper	sig	chr2_118859162
chr19	1271383	1271383	+	2.16E-21	5.7285E-20	0.296415	hyper	sig	chr19_1271383
chr19	12195443	12195443	+	2.16E-21	5.7293E-20	0.235022	hyper	sig	chr19_12195443
chr15	28832425	28832425	+	2.162E-21	5.7345E-20	0.24377	hyper	sig	chr15_28832425
chr13	36297957	36297957	+	2.163E-21	5.7361E-20	0.248096	hyper	sig	chr13_36297957
chr5	1868147	1868147	+	2.168E-21	5.7478E-20	0.315829	hyper	sig	chr5_1868147
chr7	1.55E+08	154913726	+	2.169E-21	5.7522E-20	0.205463	hyper	sig	chr7_154913726
chr5	1.41E+08	141399810	+	2.171E-21	5.7554E-20	0.32704	hyper	sig	chr5_141399810
chr2	2.19E+08	219330177	+	2.171E-21	5.7557E-20	-0.2892	hypo	sig	chr2_219330177
chr11	69654320	69654320	+	2.172E-21	5.7575E-20	-0.23569	hypo	sig	chr11_69654320
chr18	909153	909153	+	2.173E-21	5.76E-20	0.322267	hyper	sig	chr18_909153
chr15	90992957	90992957	+	2.173E-21	5.7621E-20	-0.29281	hypo	sig	chr15_90992957
chr17	40093349	40093349	+	2.175E-21	5.7663E-20	0.230383	hyper	sig	chr17_40093349
chr19	53132785	53132785	+	2.176E-21	5.7677E-20	0.217943	hyper	sig	chr19_53132785
chr8	66961207	66961207	+	2.176E-21	5.7679E-20	0.29731	hyper	sig	chr8_66961207
chr12	6555370	6555370	+	2.18E-21	5.7797E-20	0.314645	hyper	sig	chr12_6555370
chr17	74270505	74270505	+	2.18E-21	5.7797E-20	0.272962	hyper	sig	chr17_74270505

chr21	26846319	26846319	+	2.184E-21	5.7891E-20	0.229339	hyper	sig	chr21_26846319
chr16	1107293	1107293	+	2.194E-21	5.8152E-20	-0.31132	hypo	sig	chr16_1107293
chr18	14748251	14748251	+	2.196E-21	5.8215E-20	0.339916	hyper	sig	chr18_14748251
chr7	1.58E+08	158239756	+	2.198E-21	5.8243E-20	-0.28776	hypo	sig	chr7_158239756
chr2	70767809	70767809	+	2.198E-21	5.825E-20	0.207576	hyper	sig	chr2_70767809
chr17	44967251	44967251	+	2.204E-21	5.8399E-20	0.304385	hyper	sig	chr17_44967251
chr11	20161551	20161551	+	2.205E-21	5.8431E-20	0.244711	hyper	sig	chr11_20161551
chr17	81865513	81865513	+	2.205E-21	5.8432E-20	-0.26152	hypo	sig	chr17_81865513
chr10	27744911	27744911	+	2.206E-21	5.8465E-20	0.273655	hyper	sig	chr10_27744911
chr19	53308699	53308699	+	2.211E-21	5.8594E-20	0.274355	hyper	sig	chr19_53308699
chr6	7265191	7265191	+	2.213E-21	5.8645E-20	-0.28212	hypo	sig	chr6_7265191
chr2	1.19E+08	118844904	+	2.214E-21	5.8652E-20	0.230551	hyper	sig	chr2_118844904
chr11	69382556	69382556	+	2.214E-21	5.8664E-20	-0.28076	hypo	sig	chr11_69382556
chr16	77789324	77789324	+	2.215E-21	5.8674E-20	0.268919	hyper	sig	chr16_77789324
chr14	76138850	76138850	+	2.221E-21	5.883E-20	0.356527	hyper	sig	chr14_76138850
chr16	49790473	49790473	+	2.223E-21	5.8889E-20	-0.34563	hypo	sig	chr16_49790473
chr20	35174668	35174668	+	2.223E-21	5.8894E-20	-0.42391	hypo	sig	chr20_35174668
chr8	1.1E+08	109690522	+	2.224E-21	5.8915E-20	-0.28836	hypo	sig	chr8_109690522
chr8	55939679	55939679	+	2.226E-21	5.8977E-20	0.264576	hyper	sig	chr8_55939679
chr7	76185684	76185684	+	2.227E-21	5.8998E-20	0.260065	hyper	sig	chr7_76185684
chr2	1.83E+08	182864408	+	2.23E-21	5.9079E-20	0.289443	hyper	sig	chr2_182864408
chr12	4810467	4810467	+	2.232E-21	5.9129E-20	0.423588	hyper	sig	chr12_4810467
chr19	50639325	50639325	+	2.234E-21	5.918E-20	0.258327	hyper	sig	chr19_50639325
chr7	76267068	76267068	+	2.238E-21	5.928E-20	0.304652	hyper	sig	chr7_76267068
chr13	27919163	27919163	+	2.239E-21	5.9301E-20	0.431861	hyper	sig	chr13_27919163
chr10	1.3E+08	129960470	+	2.241E-21	5.936E-20	0.329067	hyper	sig	chr10_129960470
chr7	5304024	5304024	+	2.242E-21	5.9377E-20	-0.36546	hypo	sig	chr7_5304024
chr12	4809171	4809171	+	2.242E-21	5.9383E-20	0.362997	hyper	sig	chr12_4809171
chr8	1.31E+08	131042481	+	2.242E-21	5.9383E-20	0.339108	hyper	sig	chr8_131042481
chr13	1.14E+08	114031927	+	2.244E-21	5.9419E-20	0.267494	hyper	sig	chr13_114031927
chr14	36525827	36525827	+	2.244E-21	5.9426E-20	0.211458	hyper	sig	chr14_36525827
chr17	1618142	1618142	+	2.245E-21	5.9453E-20	-0.27454	hypo	sig	chr17_1618142
chr22	29313367	29313367	+	2.247E-21	5.9503E-20	0.257276	hyper	sig	chr22_29313367
chr10	11165564	11165564	+	2.248E-21	5.9513E-20	0.245998	hyper	sig	chr10_11165564
chr12	1.13E+08	113476151	+	2.248E-21	5.9519E-20	0.215244	hyper	sig	chr12_113476151
chr16	54288453	54288453	+	2.25E-21	5.956E-20	0.335689	hyper	sig	chr16_54288453
chr5	26669247	26669247	+	2.251E-21	5.9598E-20	-0.26885	hypo	sig	chr5_26669247
chr7	55018579	55018579	+	2.255E-21	5.9703E-20	0.224589	hyper	sig	chr7_55018579
chr10	55628427	55628427	+	2.256E-21	5.9733E-20	0.266104	hyper	sig	chr10_55628427
chr10	1.16E+08	116272113	+	2.256E-21	5.9733E-20	0.239377	hyper	sig	chr10_116272113
chr6	30163933	30163933	+	2.258E-21	5.9772E-20	-0.27428	hypo	sig	chr6_30163933
chr8	66961210	66961210	+	2.258E-21	5.9774E-20	0.294267	hyper	sig	chr8_66961210
chr2	1.21E+08	120560087	+	2.258E-21	5.9776E-20	-0.25109	hypo	sig	chr2_120560087
chr7	1.55E+08	155374865	+	2.259E-21	5.9783E-20	0.236691	hyper	sig	chr7_155374865
chr8	1.01E+08	101079587	+	2.259E-21	5.9802E-20	-0.30145	hypo	sig	chr8_101079587
chr10	27744952	27744952	+	2.26E-21	5.982E-20	0.263891	hyper	sig	chr10_27744952
chr7	1.01E+08	100874641	+	2.262E-21	5.9874E-20	0.315213	hyper	sig	chr7_100874641
chr7	50376341	50376341	+	2.263E-21	5.9881E-20	-0.21075	hypo	sig	chr7_50376341
chr15	52788754	52788754	+	2.264E-21	5.9917E-20	0.331271	hyper	sig	chr15_52788754
chr8	56446147	56446147	+	2.266E-21	5.9964E-20	0.360324	hyper	sig	chr8_56446147
chr13	1.13E+08	113098147	+	2.266E-21	5.9968E-20	0.302825	hyper	sig	chr13_113098147
chr4	1.9E+08	190018075	+	2.267E-21	5.9983E-20	0.250581	hyper	sig	chr4_190018075
chr16	68234539	68234539	+	2.27E-21	6.007E-20	-0.31718	hypo	sig	chr16_68234539
chr13	94711920	94711920	+	2.271E-21	6.0084E-20	0.277763	hyper	sig	chr13_94711920
chr3	1.38E+08	137770858	+	2.274E-21	6.0169E-20	0.343584	hyper	sig	chr3_137770858
chr2	2.22E+08	222295750	+	2.274E-21	6.0172E-20	0.264793	hyper	sig	chr2_222295750

chr21	46661761	46661761	+	2.276E-21	6.0219E-20	0.342504	hyper	sig	chr21_46661761
chr8	28316647	28316647	+	2.277E-21	6.0244E-20	-0.31421	hypo	sig	chr8_28316647
chr14	44963346	44963346	+	2.277E-21	6.0248E-20	0.309306	hyper	sig	chr14_44963346
chr11	49854359	49854359	+	2.279E-21	6.0274E-20	-0.28458	hypo	sig	chr11_49854359
chr5	1.81E+08	181100623	+	2.281E-21	6.0331E-20	0.285885	hyper	sig	chr5_181100623
chr3	1.33E+08	133037926	+	2.286E-21	6.0457E-20	0.255791	hyper	sig	chr3_133037926
chr17	17810577	17810577	+	2.286E-21	6.0475E-20	0.310249	hyper	sig	chr17_17810577
chr5	1.75E+08	175443969	+	2.287E-21	6.0486E-20	0.260432	hyper	sig	chr5_175443969
chr3	1.96E+08	195834083	+	2.288E-21	6.0507E-20	-0.40361	hypo	sig	chr3_195834083
chr1	2.36E+08	236074443	+	2.29E-21	6.0557E-20	-0.30476	hypo	sig	chr1_236074443
chr20	16573921	16573921	+	2.292E-21	6.0607E-20	-0.33676	hypo	sig	chr20_16573921
chr12	1.13E+08	113463816	+	2.293E-21	6.0637E-20	0.299441	hyper	sig	chr12_113463816
chr14	62117914	62117914	+	2.294E-21	6.0674E-20	0.236761	hyper	sig	chr14_62117914
chr9	1.37E+08	137049412	+	2.301E-21	6.0851E-20	0.361717	hyper	sig	chr9_137049412
chr13	1.13E+08	112771689	+	2.302E-21	6.086E-20	-0.28515	hypo	sig	chr13_112771689
chr10	25934064	25934064	+	2.302E-21	6.0883E-20	0.301198	hyper	sig	chr10_25934064
chr2	2.13E+08	212537077	+	2.304E-21	6.0909E-20	0.310715	hyper	sig	chr2_212537077
chr9	1.31E+08	131308184	+	2.304E-21	6.0909E-20	-0.28122	hypo	sig	chr9_131308184
chr11	69115980	69115980	+	2.307E-21	6.0986E-20	-0.31121	hypo	sig	chr11_69115980
chr12	1.3E+08	130491970	+	2.307E-21	6.0988E-20	0.308841	hyper	sig	chr12_130491970
chr1	3651244	3651244	+	2.308E-21	6.1012E-20	0.337045	hyper	sig	chr1_3651244
chr8	1.08E+08	108082644	+	2.308E-21	6.1014E-20	0.443886	hyper	sig	chr8_108082644
chr19	15507807	15507807	+	2.31E-21	6.1067E-20	-0.24919	hypo	sig	chr19_15507807
chr1	23981045	23981045	+	2.312E-21	6.1127E-20	-0.26334	hypo	sig	chr1_23981045
chr7	1.01E+08	100866513	+	2.313E-21	6.1146E-20	-0.32328	hypo	sig	chr7_100866513
chr5	73444870	73444870	+	2.313E-21	6.1153E-20	0.286769	hyper	sig	chr5_73444870
chr3	4985912	4985912	+	2.315E-21	6.1184E-20	-0.2252	hypo	sig	chr3_4985912
chr6	3722878	3722878	+	2.316E-21	6.1225E-20	0.257253	hyper	sig	chr6_3722878
chr15	79091516	79091516	+	2.316E-21	6.1226E-20	0.241002	hyper	sig	chr15_79091516
chr2	29920832	29920832	+	2.317E-21	6.1227E-20	0.273762	hyper	sig	chr2_29920832
chr7	1.55E+08	155451406	+	2.319E-21	6.1299E-20	0.232271	hyper	sig	chr7_155451406
chr3	1.84E+08	184491690	+	2.32E-21	6.1317E-20	0.297309	hyper	sig	chr3_184491690
chr22	42338684	42338684	+	2.322E-21	6.1354E-20	-0.28187	hypo	sig	chr22_42338684
chr5	1.36E+08	135535747	+	2.324E-21	6.1429E-20	0.255836	hyper	sig	chr5_135535747
chr16	1002529	1002529	+	2.327E-21	6.1489E-20	-0.35017	hypo	sig	chr16_1002529
chr11	64764265	64764265	+	2.327E-21	6.1493E-20	0.285969	hyper	sig	chr11_64764265
chr2	2.39E+08	239240243	+	2.329E-21	6.1544E-20	0.281299	hyper	sig	chr2_239240243
chr11	1.09E+08	109423464	+	2.33E-21	6.1563E-20	0.251814	hyper	sig	chr11_109423464
chr8	8390292	8390292	+	2.332E-21	6.1614E-20	-0.30254	hypo	sig	chr8_8390292
chr11	72013265	72013265	+	2.332E-21	6.1622E-20	0.264265	hyper	sig	chr11_72013265
chr19	5250457	5250457	+	2.332E-21	6.1622E-20	-0.37514	hypo	sig	chr19_5250457
chr2	1.61E+08	161426668	+	2.333E-21	6.163E-20	0.259387	hyper	sig	chr2_161426668
chr13	27923046	27923046	+	2.334E-21	6.1655E-20	0.594017	hyper	sig	chr13_27923046
chr11	22193832	22193832	+	2.336E-21	6.1704E-20	0.211075	hyper	sig	chr11_22193832
chr17	36464903	36464903	+	2.337E-21	6.1741E-20	0.433704	hyper	sig	chr17_36464903
chr6	1.7E+08	170423274	+	2.338E-21	6.1748E-20	0.312492	hyper	sig	chr6_170423274
chr19	35558464	35558464	+	2.338E-21	6.1766E-20	0.314435	hyper	sig	chr19_35558464
chr6	32763425	32763425	+	2.338E-21	6.1766E-20	-0.29535	hypo	sig	chr6_32763425
chr2	2.28E+08	228181731	+	2.34E-21	6.1807E-20	0.37938	hyper	sig	chr2_228181731
chr20	46011661	46011661	+	2.344E-21	6.1897E-20	0.404161	hyper	sig	chr20_46011661
chr2	31233024	31233024	+	2.345E-21	6.1921E-20	-0.26451	hypo	sig	chr2_31233024
chr11	1460624	1460624	+	2.345E-21	6.1924E-20	0.393957	hyper	sig	chr11_1460624
chr13	1.02E+08	102401293	+	2.346E-21	6.1942E-20	0.312699	hyper	sig	chr13_102401293
chr4	5893386	5893386	+	2.346E-21	6.1942E-20	0.274444	hyper	sig	chr4_5893386
chr11	64935958	64935958	+	2.355E-21	6.218E-20	0.253927	hyper	sig	chr11_64935958
chr2	20670504	20670504	+	2.355E-21	6.218E-20	0.266458	hyper	sig	chr2_20670504

chr4	54232354	54232354	+	2.355E-21	6.2189E-20	0.256007	hyper	sig	chr4_54232354
chr2	1.19E+08	118833550	+	2.358E-21	6.2253E-20	0.252419	hyper	sig	chr2_118833550
chr13	1.1E+08	110434967	+	2.358E-21	6.2258E-20	-0.29539	hypo	sig	chr13_110434967
chr10	93069314	93069314	+	2.359E-21	6.2279E-20	0.263645	hyper	sig	chr10_93069314
chr15	25863670	25863670	+	2.359E-21	6.228E-20	0.214544	hyper	sig	chr15_25863670
chr2	2.34E+08	233728904	+	2.36E-21	6.2298E-20	-0.30616	hypo	sig	chr2_233728904
chr6	1.5E+08	149964690	+	2.36E-21	6.2302E-20	0.257453	hyper	sig	chr6_149964690
chr19	3801727	3801727	+	2.369E-21	6.2551E-20	0.274181	hyper	sig	chr19_3801727
chr7	1.01E+08	100613007	+	2.37E-21	6.2569E-20	0.226842	hyper	sig	chr7_100613007
chr1	1.19E+08	118999942	+	2.373E-21	6.2632E-20	0.290926	hyper	sig	chr1_118999942
chr7	1.18E+08	118214657	+	2.374E-21	6.2677E-20	0.231916	hyper	sig	chr7_118214657
chr15	82681112	82681112	+	2.376E-21	6.2708E-20	0.328434	hyper	sig	chr15_82681112
chr19	15902573	15902573	+	2.379E-21	6.2781E-20	-0.32639	hypo	sig	chr19_15902573
chr2	1.19E+08	118833600	+	2.381E-21	6.2831E-20	0.221519	hyper	sig	chr2_118833600
chr7	1.17E+08	117322896	+	2.382E-21	6.2858E-20	0.341979	hyper	sig	chr7_117322896
chr1	2.28E+08	228464637	+	2.383E-21	6.2889E-20	0.228228	hyper	sig	chr1_228464637
chr16	10182813	10182813	+	2.386E-21	6.2973E-20	0.338145	hyper	sig	chr16_10182813
chr8	1.41E+08	141170019	+	2.389E-21	6.3043E-20	0.258383	hyper	sig	chr8_141170019
chr8	1552280	1552280	+	2.389E-21	6.3046E-20	0.35695	hyper	sig	chr8_1552280
chr1	2.01E+08	201400522	+	2.39E-21	6.3072E-20	-0.2748	hypo	sig	chr1_201400522
chr1	1.57E+08	156642626	+	2.391E-21	6.3089E-20	0.327117	hyper	sig	chr1_156642626
chr7	35257347	35257347	+	2.391E-21	6.3092E-20	0.259307	hyper	sig	chr7_35257347
chr5	88678303	88678303	+	2.392E-21	6.3114E-20	0.27671	hyper	sig	chr5_88678303
chr9	1.28E+08	128339913	+	2.394E-21	6.3156E-20	-0.27158	hypo	sig	chr9_128339913
chr10	1.01E+08	100659456	+	2.394E-21	6.3171E-20	0.402559	hyper	sig	chr10_100659456
chr5	7395261	7395261	+	2.395E-21	6.3177E-20	0.250681	hyper	sig	chr5_7395261
chr13	36155094	36155094	+	2.398E-21	6.3276E-20	0.368369	hyper	sig	chr13_36155094
chr19	48480268	48480268	+	2.4E-21	6.3308E-20	0.265126	hyper	sig	chr19_48480268
chr12	1.14E+08	114439338	+	2.401E-21	6.3333E-20	0.273847	hyper	sig	chr12_114439338
chr10	43727037	43727037	+	2.402E-21	6.3358E-20	-0.25687	hypo	sig	chr10_43727037
chr8	1.06E+08	106215778	+	2.403E-21	6.3393E-20	-0.21617	hypo	sig	chr8_106215778
chr19	56192982	56192982	+	2.404E-21	6.3409E-20	-0.27702	hypo	sig	chr19_56192982
chr7	27239956	27239956	+	2.404E-21	6.3409E-20	0.246226	hyper	sig	chr7_27239956
chr17	52159376	52159376	+	2.408E-21	6.3504E-20	0.300925	hyper	sig	chr17_52159376
chr17	47867046	47867046	+	2.409E-21	6.3532E-20	0.274333	hyper	sig	chr17_47867046
chr5	1.79E+08	178940642	+	2.41E-21	6.3563E-20	0.363621	hyper	sig	chr5_178940642
chr6	30952394	30952394	+	2.411E-21	6.358E-20	-0.26089	hypo	sig	chr6_30952394
chr10	1.01E+08	101236725	+	2.416E-21	6.3716E-20	0.308886	hyper	sig	chr10_101236725
chr14	24311228	24311228	+	2.419E-21	6.3789E-20	0.222472	hyper	sig	chr14_24311228
chr4	1404332	1404332	+	2.427E-21	6.4005E-20	0.347946	hyper	sig	chr4_1404332
chr11	65355786	65355786	+	2.428E-21	6.4012E-20	0.356517	hyper	sig	chr11_65355786
chr12	48184331	48184331	+	2.429E-21	6.4057E-20	0.230972	hyper	sig	chr12_48184331
chr17	78974851	78974851	+	2.429E-21	6.4057E-20	0.274386	hyper	sig	chr17_78974851
chr11	2274538	2274538	+	2.43E-21	6.406E-20	0.279962	hyper	sig	chr11_2274538
chr20	57264427	57264427	+	2.43E-21	6.4065E-20	-0.24313	hypo	sig	chr20_57264427
chr6	36270205	36270205	+	2.43E-21	6.4069E-20	-0.32483	hypo	sig	chr6_36270205
chr9	30575359	30575359	+	2.432E-21	6.4116E-20	-0.27213	hypo	sig	chr9_30575359
chr11	20596676	20596676	+	2.433E-21	6.4145E-20	0.251864	hyper	sig	chr11_20596676
chr17	1618064	1618064	+	2.434E-21	6.416E-20	-0.24787	hypo	sig	chr17_1618064
chr4	80266108	80266108	+	2.434E-21	6.416E-20	0.246651	hyper	sig	chr4_80266108
chr1	16939023	16939023	+	2.435E-21	6.4184E-20	0.301436	hyper	sig	chr1_16939023
chr11	1.12E+08	111540403	+	2.435E-21	6.4184E-20	0.330922	hyper	sig	chr11_111540403
chr13	1.12E+08	112069267	+	2.435E-21	6.4185E-20	0.277685	hyper	sig	chr13_112069267
chr3	62367829	62367829	+	2.437E-21	6.422E-20	0.247072	hyper	sig	chr3_62367829
chr11	69012005	69012005	+	2.439E-21	6.4271E-20	0.437095	hyper	sig	chr11_69012005
chr8	1.06E+08	106271915	+	2.441E-21	6.4335E-20	0.323806	hyper	sig	chr8_106271915

chr1	2.28E+08	228464075	+	2.441E-21	6.4337E-20	0.218184	hyper	sig	chr1_228464075
chr7	64947278	64947278	+	2.444E-21	6.4408E-20	0.27449	hyper	sig	chr7_64947278
chr2	66582109	66582109	+	2.446E-21	6.4468E-20	0.221395	hyper	sig	chr2_66582109
chr7	1.51E+08	151125808	+	2.447E-21	6.4487E-20	0.352759	hyper	sig	chr7_151125808
chr3	1.47E+08	147424603	+	2.447E-21	6.4489E-20	0.272677	hyper	sig	chr3_147424603
chr5	1.41E+08	141182326	+	2.448E-21	6.4499E-20	0.227428	hyper	sig	chr5_141182326
chr5	1.14E+08	114055989	+	2.449E-21	6.4526E-20	0.252249	hyper	sig	chr5_114055989
chr5	1.59E+08	159096499	+	2.45E-21	6.4546E-20	0.33052	hyper	sig	chr5_159096499
chr8	1.42E+08	141622370	+	2.451E-21	6.4585E-20	-0.43091	hypo	sig	chr8_141622370
chr2	1.54E+08	153871970	+	2.454E-21	6.4667E-20	0.237251	hyper	sig	chr2_153871970
chr8	24914995	24914995	+	2.457E-21	6.4736E-20	0.234115	hyper	sig	chr8_24914995
chr8	90791493	90791493	+	2.458E-21	6.4755E-20	0.393754	hyper	sig	chr8_90791493
chr3	1.47E+08	147424339	+	2.458E-21	6.4757E-20	0.238029	hyper	sig	chr3_147424339
chr5	32712991	32712991	+	2.461E-21	6.4821E-20	0.307383	hyper	sig	chr5_32712991
chr15	34752551	34752551	+	2.463E-21	6.4888E-20	-0.32286	hypo	sig	chr15_34752551
chr19	52397824	52397824	+	2.465E-21	6.4934E-20	0.233651	hyper	sig	chr19_52397824
chr1	18632379	18632379	+	2.471E-21	6.5071E-20	0.263163	hyper	sig	chr1_18632379
chr2	2.38E+08	237591694	+	2.471E-21	6.509E-20	-0.32201	hypo	sig	chr2_237591694
chr10	27746808	27746808	+	2.472E-21	6.5107E-20	0.23352	hyper	sig	chr10_27746808
chr8	23710035	23710035	+	2.474E-21	6.5154E-20	0.244701	hyper	sig	chr8_23710035
chr17	82228397	82228397	+	2.476E-21	6.5208E-20	-0.20547	hypo	sig	chr17_82228397
chr16	46428894	46428894	+	2.485E-21	6.5437E-20	0.371421	hyper	sig	chr16_46428894
chr1	1.2E+08	119896413	+	2.486E-21	6.5458E-20	0.336657	hyper	sig	chr1_119896413
chr5	1.41E+08	141150007	+	2.488E-21	6.5506E-20	0.300388	hyper	sig	chr5_141150007
chr16	85329519	85329519	+	2.489E-21	6.5536E-20	-0.25224	hypo	sig	chr16_85329519
chr5	73444943	73444943	+	2.494E-21	6.5665E-20	0.303411	hyper	sig	chr5_73444943
chr8	46407291	46407291	+	2.495E-21	6.5676E-20	-0.29392	hypo	sig	chr8_46407291
chr1	1.54E+08	153609059	+	2.497E-21	6.573E-20	-0.30218	hypo	sig	chr1_153609059
chr8	64578680	64578680	+	2.497E-21	6.574E-20	0.314175	hyper	sig	chr8_64578680
chr20	24470087	24470087	+	2.498E-21	6.575E-20	0.325084	hyper	sig	chr20_24470087
chr16	88413138	88413138	+	2.501E-21	6.5827E-20	-0.30494	hypo	sig	chr16_88413138
chr5	1.41E+08	141121739	+	2.501E-21	6.5846E-20	0.285087	hyper	sig	chr5_141121739
chr22	38314657	38314657	+	2.502E-21	6.5856E-20	0.436172	hyper	sig	chr22_38314657
chr6	62285998	62285998	+	2.502E-21	6.5856E-20	0.327156	hyper	sig	chr6_62285998
chr9	97848459	97848459	+	2.505E-21	6.5931E-20	0.388536	hyper	sig	chr9_97848459
chr1	44408063	44408063	+	2.508E-21	6.6009E-20	0.385238	hyper	sig	chr1_44408063
chr14	60510553	60510553	+	2.508E-21	6.6012E-20	0.28353	hyper	sig	chr14_60510553
chr14	69259548	69259548	+	2.508E-21	6.6016E-20	0.247065	hyper	sig	chr14_69259548
chr15	67064040	67064040	+	2.509E-21	6.6033E-20	-0.25643	hypo	sig	chr15_67064040
chr7	1.57E+08	157297282	+	2.511E-21	6.608E-20	-0.35971	hypo	sig	chr7_157297282
chr10	27745143	27745143	+	2.512E-21	6.6114E-20	0.330111	hyper	sig	chr10_27745143
chr8	48556252	48556252	+	2.513E-21	6.612E-20	0.22092	hyper	sig	chr8_48556252
chr11	20601184	20601184	+	2.514E-21	6.6152E-20	0.255902	hyper	sig	chr11_20601184
chr2	2.13E+08	212537462	+	2.515E-21	6.6173E-20	0.205563	hyper	sig	chr2_212537462
chr12	1.3E+08	130473130	+	2.516E-21	6.6206E-20	-0.2776	hypo	sig	chr12_130473130
chr1	24931279	24931279	+	2.517E-21	6.6227E-20	0.40728	hyper	sig	chr1_24931279
chr4	1.54E+08	153758286	+	2.52E-21	6.6295E-20	-0.28813	hypo	sig	chr4_153758286
chr16	55655622	55655622	+	2.52E-21	6.6295E-20	0.357606	hyper	sig	chr16_55655622
chr5	1.41E+08	141172929	+	2.521E-21	6.6316E-20	0.33091	hyper	sig	chr5_141172929
chr16	30948175	30948175	+	2.522E-21	6.6341E-20	0.280702	hyper	sig	chr16_30948175
chr4	7772849	7772849	+	2.524E-21	6.6382E-20	0.290881	hyper	sig	chr4_7772849
chr4	1.55E+08	155376794	+	2.525E-21	6.6423E-20	0.240335	hyper	sig	chr4_155376794
chr5	3602276	3602276	+	2.528E-21	6.6482E-20	0.352304	hyper	sig	chr5_3602276
chr5	71719717	71719717	+	2.531E-21	6.6563E-20	0.356146	hyper	sig	chr5_71719717
chr19	41026043	41026043	+	2.537E-21	6.6724E-20	0.285706	hyper	sig	chr19_41026043
chr17	81865469	81865469	+	2.537E-21	6.673E-20	-0.24981	hypo	sig	chr17_81865469

chr19	50358696	50358696	+	2.539E-21	6.6775E-20	0.236351	hyper	sig	chr19_50358696
chr6	1.6E+08	160006456	+	2.54E-21	6.6788E-20	0.282392	hyper	sig	chr6_160006456
chr11	94909763	94909763	+	2.542E-21	6.6837E-20	-0.27122	hypo	sig	chr11_94909763
chr6	761619	761619	+	2.544E-21	6.6903E-20	0.29914	hyper	sig	chr6_761619
chr15	77810886	77810886	+	2.545E-21	6.6927E-20	-0.31857	hypo	sig	chr15_77810886
chr10	1.25E+08	125023955	+	2.546E-21	6.696E-20	0.359251	hyper	sig	chr10_125023955
chr19	50640075	50640075	+	2.547E-21	6.6976E-20	0.260417	hyper	sig	chr19_50640075
chr1	39884222	39884222	+	2.55E-21	6.7051E-20	-0.27915	hypo	sig	chr1_39884222
chr15	84080153	84080153	+	2.55E-21	6.7051E-20	0.215134	hyper	sig	chr15_84080153
chr15	68806923	68806923	+	2.557E-21	6.7233E-20	0.290968	hyper	sig	chr15_68806923
chr12	1.24E+08	123949769	+	2.557E-21	6.7235E-20	-0.28021	hypo	sig	chr12_123949769
chr10	1.3E+08	129962978	+	2.559E-21	6.7289E-20	0.210843	hyper	sig	chr10_129962978
chr3	1.28E+08	128493595	+	2.56E-21	6.7312E-20	0.349258	hyper	sig	chr3_128493595
chr7	1E+08	100430796	+	2.561E-21	6.7336E-20	0.242228	hyper	sig	chr7_100430796
chr1	47444567	47444567	+	2.562E-21	6.7344E-20	0.288477	hyper	sig	chr1_47444567
chr16	31331708	31331708	+	2.562E-21	6.7351E-20	0.33582	hyper	sig	chr16_31331708
chr3	43996964	43996964	+	2.564E-21	6.7395E-20	0.256023	hyper	sig	chr3_43996964
chr12	1.14E+08	114443999	+	2.567E-21	6.7468E-20	0.213062	hyper	sig	chr12_114443999
chr1	37605970	37605970	+	2.569E-21	6.7518E-20	0.233561	hyper	sig	chr1_37605970
chr17	20633635	20633635	+	2.569E-21	6.7529E-20	-0.24546	hypo	sig	chr17_20633635
chr4	2625363	2625363	+	2.574E-21	6.7661E-20	0.22584	hyper	sig	chr4_2625363
chr17	45429113	45429113	+	2.575E-21	6.7676E-20	0.296018	hyper	sig	chr17_45429113
chr11	1.23E+08	122980215	+	2.575E-21	6.7683E-20	0.263466	hyper	sig	chr11_122980215
chr15	24773142	24773142	+	2.577E-21	6.7714E-20	0.330879	hyper	sig	chr15_24773142
chr15	26866884	26866884	+	2.577E-21	6.7715E-20	0.290392	hyper	sig	chr15_26866884
chr6	31730880	31730880	+	2.577E-21	6.7723E-20	-0.2438	hypo	sig	chr6_31730880
chr8	71558180	71558180	+	2.577E-21	6.7728E-20	0.242423	hyper	sig	chr8_71558180
chr10	27745130	27745130	+	2.578E-21	6.7738E-20	0.325031	hyper	sig	chr10_27745130
chr1	85578420	85578420	+	2.583E-21	6.7868E-20	0.309305	hyper	sig	chr1_85578420
chr5	1.41E+08	141421174	+	2.588E-21	6.8002E-20	0.312443	hyper	sig	chr5_141421174
chr19	57099554	57099554	+	2.591E-21	6.8065E-20	0.381872	hyper	sig	chr19_57099554
chr7	1.55E+08	155465548	+	2.591E-21	6.8081E-20	0.306054	hyper	sig	chr7_155465548
chr7	1.55E+08	155373830	+	2.593E-21	6.8121E-20	0.225351	hyper	sig	chr7_155373830
chr16	66923593	66923593	+	2.595E-21	6.817E-20	0.274363	hyper	sig	chr16_66923593
chr6	72621885	72621885	+	2.595E-21	6.817E-20	0.295182	hyper	sig	chr6_72621885
chr7	1232800	1232800	+	2.598E-21	6.8235E-20	0.34862	hyper	sig	chr7_1232800
chr10	50674916	50674916	+	2.599E-21	6.8258E-20	-0.28208	hypo	sig	chr10_50674916
chr6	37536626	37536626	+	2.599E-21	6.8264E-20	0.272702	hyper	sig	chr6_37536626
chr4	6379085	6379085	+	2.602E-21	6.8333E-20	-0.30979	hypo	sig	chr4_6379085
chr13	78594411	78594411	+	2.602E-21	6.8336E-20	0.311052	hyper	sig	chr13_78594411
chr11	20669388	20669388	+	2.602E-21	6.8336E-20	0.404925	hyper	sig	chr11_20669388
chr3	49686122	49686122	+	2.603E-21	6.8364E-20	0.301422	hyper	sig	chr3_49686122
chr7	1.58E+08	158373266	+	2.603E-21	6.8364E-20	-0.25851	hypo	sig	chr7_158373266
chr10	99232403	99232403	+	2.603E-21	6.8371E-20	0.231409	hyper	sig	chr10_99232403
chr4	1.67E+08	167234102	+	2.609E-21	6.8511E-20	0.242481	hyper	sig	chr4_167234102
chr7	1.01E+08	101180463	+	2.61E-21	6.8548E-20	0.310169	hyper	sig	chr7_101180463
chr17	20938280	20938280	+	2.611E-21	6.8571E-20	-0.29056	hypo	sig	chr17_20938280
chr19	52493341	52493341	+	2.611E-21	6.8574E-20	0.342702	hyper	sig	chr19_52493341
chr20	21702916	21702916	+	2.612E-21	6.8579E-20	0.389088	hyper	sig	chr20_21702916
chr15	34495750	34495750	+	2.613E-21	6.8596E-20	0.263024	hyper	sig	chr15_34495750
chr1	3063454	3063454	+	2.613E-21	6.8609E-20	0.373028	hyper	sig	chr1_3063454
chr22	28680122	28680122	+	2.613E-21	6.861E-20	0.206393	hyper	sig	chr22_28680122
chr8	55939731	55939731	+	2.614E-21	6.8637E-20	0.304286	hyper	sig	chr8_55939731
chr1	15407348	15407348	+	2.618E-21	6.8721E-20	0.273456	hyper	sig	chr1_15407348
chr2	55923280	55923280	+	2.618E-21	6.8725E-20	0.254284	hyper	sig	chr2_55923280
chr2	1.23E+08	122661181	+	2.619E-21	6.8744E-20	0.329628	hyper	sig	chr2_122661181

chr6	26744018	26744018	+	2.623E-21	6.8858E-20	0.361667	hyper	sig	chr6_26744018
chr7	23904999	23904999	+	2.626E-21	6.8929E-20	-0.28639	hypo	sig	chr7_23904999
chr17	74326470	74326470	+	2.626E-21	6.8934E-20	0.283856	hyper	sig	chr17_74326470
chr5	73298644	73298644	+	2.627E-21	6.8961E-20	0.295106	hyper	sig	chr5_73298644
chr13	26051271	26051271	+	2.628E-21	6.8974E-20	0.275631	hyper	sig	chr13_26051271
chr6	1.08E+08	108167574	+	2.629E-21	6.9002E-20	0.246067	hyper	sig	chr6_108167574
chr16	46638934	46638934	+	2.63E-21	6.9026E-20	-0.27886	hypo	sig	chr16_46638934
chr19	53255309	53255309	+	2.633E-21	6.9107E-20	0.351556	hyper	sig	chr19_53255309
chr14	1.05E+08	105478318	+	2.637E-21	6.9219E-20	-0.26554	hypo	sig	chr14_105478318
chr16	67163811	67163811	+	2.639E-21	6.9251E-20	0.316511	hyper	sig	chr16_67163811
chr14	1.01E+08	101064397	+	2.639E-21	6.9258E-20	-0.29922	hypo	sig	chr14_101064397
chr3	75655426	75655426	+	2.641E-21	6.9316E-20	0.299101	hyper	sig	chr3_75655426
chr5	1.71E+08	171310265	+	2.642E-21	6.9319E-20	0.239885	hyper	sig	chr5_171310265
chr1	16938962	16938962	+	2.644E-21	6.9366E-20	0.304457	hyper	sig	chr1_16938962
chr10	1.01E+08	101218288	+	2.646E-21	6.9432E-20	0.260993	hyper	sig	chr10_101218288
chr17	35345918	35345918	+	2.648E-21	6.9474E-20	0.223799	hyper	sig	chr17_35345918
chr13	38687654	38687654	+	2.65E-21	6.9518E-20	0.201224	hyper	sig	chr13_38687654
chr8	52940167	52940167	+	2.65E-21	6.9534E-20	0.384355	hyper	sig	chr8_52940167
chr11	15114517	15114517	+	2.651E-21	6.9539E-20	0.275804	hyper	sig	chr11_15114517
chr1	3140178	3140178	+	2.652E-21	6.957E-20	0.306629	hyper	sig	chr1_3140178
chr13	99989187	99989187	+	2.657E-21	6.9691E-20	0.269435	hyper	sig	chr13_99989187
chr13	1.13E+08	112932214	+	2.658E-21	6.9729E-20	-0.28183	hypo	sig	chr13_112932214
chr8	52939727	52939727	+	2.66E-21	6.9773E-20	0.408796	hyper	sig	chr8_52939727
chr1	24931561	24931561	+	2.662E-21	6.9825E-20	0.309319	hyper	sig	chr1_24931561
chr3	1.96E+08	195851367	+	2.663E-21	6.9852E-20	-0.24566	hypo	sig	chr3_195851367
chr10	6191794	6191794	+	2.663E-21	6.986E-20	0.231551	hyper	sig	chr10_6191794
chr5	1.81E+08	181059744	+	2.664E-21	6.9884E-20	0.25543	hyper	sig	chr5_181059744
chr1	2.28E+08	228321949	+	2.666E-21	6.9926E-20	-0.23382	hypo	sig	chr1_228321949
chr9	1.3E+08	129685853	+	2.667E-21	6.9945E-20	-0.38644	hypo	sig	chr9_129685853
chr1	50417341	50417341	+	2.67E-21	7.0011E-20	0.311423	hyper	sig	chr1_50417341
chr13	78597047	78597047	+	2.675E-21	7.0153E-20	0.265825	hyper	sig	chr13_78597047
chr8	1.33E+08	133237743	+	2.678E-21	7.0238E-20	0.285623	hyper	sig	chr8_133237743
chr12	1.15E+08	114680972	+	2.679E-21	7.0253E-20	-0.25471	hypo	sig	chr12_114680972
chr5	77972576	77972576	+	2.68E-21	7.0267E-20	0.300375	hyper	sig	chr5_77972576
chr12	1.13E+08	113479944	+	2.68E-21	7.0273E-20	0.244756	hyper	sig	chr12_113479944
chr19	56507653	56507653	+	2.681E-21	7.0285E-20	0.35406	hyper	sig	chr19_56507653
chr1	1.1E+08	109668222	+	2.687E-21	7.0448E-20	0.320342	hyper	sig	chr1_109668222
chr1	2.01E+08	201400544	+	2.687E-21	7.0453E-20	-0.27382	hypo	sig	chr1_201400544
chr10	34974015	34974015	+	2.694E-21	7.0636E-20	-0.34285	hypo	sig	chr10_34974015
chr20	40690898	40690898	+	2.695E-21	7.0658E-20	0.289583	hyper	sig	chr20_40690898
chr19	52493301	52493301	+	2.698E-21	7.0716E-20	0.363137	hyper	sig	chr19_52493301
chr5	33936582	33936582	+	2.702E-21	7.0816E-20	0.321854	hyper	sig	chr5_33936582
chr8	84184550	84184550	+	2.702E-21	7.0831E-20	0.525136	hyper	sig	chr8_84184550
chr13	1.12E+08	112055254	+	2.703E-21	7.0863E-20	0.348725	hyper	sig	chr13_112055254
chr1	3313793	3313793	+	2.704E-21	7.0869E-20	0.256633	hyper	sig	chr1_3313793
chr9	37026468	37026468	+	2.705E-21	7.0892E-20	0.323212	hyper	sig	chr9_37026468
chr2	2.27E+08	226798372	+	2.705E-21	7.0908E-20	0.252246	hyper	sig	chr2_226798372
chr3	1.58E+08	158095521	+	2.707E-21	7.0957E-20	0.404858	hyper	sig	chr3_158095521
chr6	1E+08	100447290	+	2.708E-21	7.0976E-20	0.274753	hyper	sig	chr6_100447290
chr2	80324295	80324295	+	2.709E-21	7.0985E-20	-0.3634	hypo	sig	chr2_80324295
chr2	1.74E+08	174328730	+	2.709E-21	7.1005E-20	0.230756	hyper	sig	chr2_174328730
chr17	4900278	4900278	+	2.71E-21	7.1021E-20	0.337571	hyper	sig	chr17_4900278
chr2	1814203	1814203	+	2.714E-21	7.1107E-20	-0.30346	hypo	sig	chr2_1814203
chr8	1.42E+08	141507340	+	2.714E-21	7.1107E-20	-0.31849	hypo	sig	chr8_141507340
chr14	1.01E+08	100726515	+	2.715E-21	7.1127E-20	0.268429	hyper	sig	chr14_100726515
chr8	26040910	26040910	+	2.715E-21	7.1138E-20	0.28324	hyper	sig	chr8_26040910

chr7	1E+08	100077400	+	2.719E-21	7.1248E-20	-0.28966	hypo	sig	chr7_100077400
chr8	1.43E+08	142510432	+	2.721E-21	7.1293E-20	0.329042	hyper	sig	chr8_142510432
chr7	4739266	4739266	+	2.729E-21	7.1495E-20	0.292337	hyper	sig	chr7_4739266
chr19	30451133	30451133	+	2.729E-21	7.1496E-20	0.322864	hyper	sig	chr19_30451133
chr1	47445752	47445752	+	2.732E-21	7.1582E-20	0.414226	hyper	sig	chr1_47445752
chr8	66962942	66962942	+	2.732E-21	7.1582E-20	0.311932	hyper	sig	chr8_66962942
chr2	2.18E+08	218032553	+	2.735E-21	7.1646E-20	-0.31865	hypo	sig	chr2_218032553
chr2	2.39E+08	239275255	+	2.736E-21	7.1668E-20	-0.29323	hypo	sig	chr2_239275255
chr10	26214968	26214968	+	2.737E-21	7.1692E-20	0.291273	hyper	sig	chr10_26214968
chr11	62270198	62270198	+	2.738E-21	7.1706E-20	-0.23094	hypo	sig	chr11_62270198
chr19	57099466	57099466	+	2.738E-21	7.1727E-20	0.369639	hyper	sig	chr19_57099466
chr2	2.34E+08	233939272	+	2.739E-21	7.1729E-20	0.374128	hyper	sig	chr2_233939272
chr9	1.28E+08	127536084	+	2.741E-21	7.1801E-20	0.34682	hyper	sig	chr9_127536084
chr19	57708688	57708688	+	2.742E-21	7.1817E-20	0.387859	hyper	sig	chr19_57708688
chr3	1.28E+08	128486515	+	2.744E-21	7.1853E-20	0.256317	hyper	sig	chr3_128486515
chr13	1.12E+08	111534996	+	2.745E-21	7.1889E-20	0.327083	hyper	sig	chr13_111534996
chr4	1.23E+08	122826403	+	2.745E-21	7.1889E-20	0.302954	hyper	sig	chr4_122826403
chr17	7651363	7651363	+	2.746E-21	7.1909E-20	0.214366	hyper	sig	chr17_7651363
chr4	1.07E+08	107035791	+	2.746E-21	7.1909E-20	0.289712	hyper	sig	chr4_107035791
chr16	67982436	67982436	+	2.747E-21	7.1923E-20	-0.21482	hypo	sig	chr16_67982436
chr13	1.13E+08	112994453	+	2.748E-21	7.1944E-20	-0.30487	hypo	sig	chr13_112994453
chr1	1.77E+08	177171544	+	2.749E-21	7.1973E-20	0.302883	hyper	sig	chr1_177171544
chr19	58367714	58367714	+	2.753E-21	7.2068E-20	0.298421	hyper	sig	chr19_58367714
chr3	14305785	14305785	+	2.753E-21	7.2068E-20	-0.25655	hypo	sig	chr3_14305785
chr6	1E+08	100463868	+	2.753E-21	7.2077E-20	0.290925	hyper	sig	chr6_100463868
chr2	3470383	3470383	+	2.754E-21	7.2101E-20	0.261811	hyper	sig	chr2_3470383
chr19	2491208	2491208	+	2.757E-21	7.2178E-20	-0.33776	hypo	sig	chr19_2491208
chr8	64576191	64576191	+	2.757E-21	7.2184E-20	0.340758	hyper	sig	chr8_64576191
chr5	12795298	12795298	+	2.758E-21	7.2206E-20	-0.27005	hypo	sig	chr5_12795298
chr9	91722416	91722416	+	2.759E-21	7.2222E-20	-0.30923	hypo	sig	chr9_91722416
chr15	88255479	88255479	+	2.762E-21	7.2291E-20	0.336743	hyper	sig	chr15_88255479
chr22	38214481	38214481	+	2.765E-21	7.2376E-20	0.337488	hyper	sig	chr22_38214481
chr2	2.08E+08	208163754	+	2.773E-21	7.2577E-20	-0.32601	hypo	sig	chr2_208163754
chr7	90119012	90119012	+	2.774E-21	7.2597E-20	0.294053	hyper	sig	chr7_90119012
chr20	43189328	43189328	+	2.775E-21	7.2616E-20	0.300317	hyper	sig	chr20_43189328
chr5	1891587	1891587	+	2.776E-21	7.2649E-20	-0.28049	hypo	sig	chr5_1891587
chr1	18632860	18632860	+	2.776E-21	7.2654E-20	0.280804	hyper	sig	chr1_18632860
chr6	33167022	33167022	+	2.777E-21	7.2677E-20	-0.24348	hypo	sig	chr6_33167022
chr5	1.41E+08	141332822	+	2.78E-21	7.2738E-20	0.32349	hyper	sig	chr5_141332822
chr3	68931796	68931796	+	2.78E-21	7.2744E-20	0.317966	hyper	sig	chr3_68931796
chr2	2.06E+08	205686490	+	2.781E-21	7.2769E-20	0.325986	hyper	sig	chr2_205686490
chr4	41880936	41880936	+	2.781E-21	7.2769E-20	0.283179	hyper	sig	chr4_41880936
chr11	94740959	94740959	+	2.782E-21	7.2786E-20	0.25002	hyper	sig	chr11_94740959
chr16	533767	533767	+	2.785E-21	7.2856E-20	-0.30473	hypo	sig	chr16_533767
chr12	7440007	7440007	+	2.787E-21	7.2905E-20	0.235638	hyper	sig	chr12_7440007
chr2	1.76E+08	176114262	+	2.787E-21	7.2907E-20	-0.29635	hypo	sig	chr2_176114262
chr17	58154996	58154996	+	2.788E-21	7.2949E-20	-0.26582	hypo	sig	chr17_58154996
chr1	86156945	86156945	+	2.789E-21	7.2963E-20	0.214112	hyper	sig	chr1_86156945
chr6	1E+08	100467838	+	2.792E-21	7.3049E-20	0.365125	hyper	sig	chr6_100467838
chr1	2.36E+08	236065444	+	2.793E-21	7.307E-20	0.254452	hyper	sig	chr1_236065444
chr2	3536025	3536025	+	2.795E-21	7.3101E-20	0.292042	hyper	sig	chr2_3536025
chr15	39796875	39796875	+	2.795E-21	7.3114E-20	-0.27161	hypo	sig	chr15_39796875
chr9	62800134	62800134	+	2.795E-21	7.3114E-20	0.217843	hyper	sig	chr9_62800134
chr5	88685267	88685267	+	2.799E-21	7.3206E-20	0.230846	hyper	sig	chr5_88685267
chr20	38726645	38726645	+	2.8E-21	7.3223E-20	0.365385	hyper	sig	chr20_38726645
chr3	1.23E+08	123447751	+	2.801E-21	7.3256E-20	0.370098	hyper	sig	chr3_123447751

chr6	30172193	30172193	+	2.802E-21	7.3279E-20	0.279814	hyper	sig	chr6_30172193
chr8	1.44E+08	144275535	+	2.805E-21	7.3345E-20	0.270088	hyper	sig	chr8_144275535
chr15	34796060	34796060	+	2.808E-21	7.3436E-20	-0.26714	hypo	sig	chr15_34796060
chr6	29627214	29627214	+	2.809E-21	7.3446E-20	0.305431	hyper	sig	chr6_29627214
chr6	16352466	16352466	+	2.81E-21	7.3479E-20	0.338241	hyper	sig	chr6_16352466
chr15	71809332	71809332	+	2.811E-21	7.349E-20	-0.29129	hypo	sig	chr15_71809332
chr3	1.72E+08	172448094	+	2.815E-21	7.3616E-20	0.351058	hyper	sig	chr3_172448094
chr7	1.59E+08	158974321	+	2.817E-21	7.3653E-20	-0.31432	hypo	sig	chr7_158974321
chr7	1095572	1095572	+	2.818E-21	7.3672E-20	0.231118	hyper	sig	chr7_1095572
chr17	39917307	39917307	+	2.818E-21	7.3684E-20	-0.28808	hypo	sig	chr17_39917307
chr16	51153471	51153471	+	2.822E-21	7.378E-20	0.39634	hyper	sig	chr16_51153471
chr6	1.34E+08	133889511	+	2.825E-21	7.3861E-20	0.322338	hyper	sig	chr6_133889511
chr17	42571655	42571655	+	2.827E-21	7.3895E-20	0.261383	hyper	sig	chr17_42571655
chr2	2.39E+08	238586527	+	2.827E-21	7.3901E-20	0.235218	hyper	sig	chr2_238586527
chr14	77140529	77140529	+	2.829E-21	7.3943E-20	0.289864	hyper	sig	chr14_77140529
chr11	65856053	65856053	+	2.829E-21	7.3946E-20	-0.28601	hypo	sig	chr11_65856053
chr5	1.41E+08	141389483	+	2.831E-21	7.3985E-20	0.276901	hyper	sig	chr5_141389483
chr7	1055332	1055332	+	2.844E-21	7.4334E-20	0.330876	hyper	sig	chr7_1055332
chr11	71610377	71610377	+	2.849E-21	7.4467E-20	-0.32084	hypo	sig	chr11_71610377
chr7	49776128	49776128	+	2.85E-21	7.448E-20	0.247612	hyper	sig	chr7_49776128
chr7	1.46E+08	146115696	+	2.851E-21	7.4517E-20	0.346598	hyper	sig	chr7_146115696
chr7	27098282	27098282	+	2.852E-21	7.4522E-20	0.405026	hyper	sig	chr7_27098282
chr7	56229945	56229945	+	2.852E-21	7.454E-20	0.291327	hyper	sig	chr7_56229945
chr3	1.82E+08	181723790	+	2.853E-21	7.4548E-20	0.23375	hyper	sig	chr3_181723790
chr4	1.21E+08	121380585	+	2.855E-21	7.4615E-20	0.258866	hyper	sig	chr4_121380585
chr1	3651168	3651168	+	2.856E-21	7.464E-20	0.310376	hyper	sig	chr1_3651168
chr11	1.27E+08	126702490	+	2.858E-21	7.4676E-20	-0.33345	hypo	sig	chr11_126702490
chr20	63178561	63178561	+	2.859E-21	7.469E-20	0.325311	hyper	sig	chr20_63178561
chr17	77282028	77282028	+	2.862E-21	7.4786E-20	-0.20631	hypo	sig	chr17_77282028
chr1	2.28E+08	228212699	+	2.863E-21	7.4804E-20	0.379195	hyper	sig	chr1_228212699
chr17	78890660	78890660	+	2.865E-21	7.4844E-20	-0.26262	hypo	sig	chr17_78890660
chr6	30127481	30127481	+	2.867E-21	7.4888E-20	0.273779	hyper	sig	chr6_30127481
chr4	6663956	6663956	+	2.867E-21	7.4893E-20	0.36859	hyper	sig	chr4_6663956
chr4	1.04E+08	103719332	+	2.875E-21	7.5093E-20	0.27012	hyper	sig	chr4_103719332
chr21	26844240	26844240	+	2.879E-21	7.5204E-20	0.22246	hyper	sig	chr21_26844240
chr16	4680479	4680479	+	2.881E-21	7.5255E-20	-0.27985	hypo	sig	chr16_4680479
chr7	4107609	4107609	+	2.881E-21	7.5255E-20	-0.25482	hypo	sig	chr7_4107609
chr17	4433816	4433816	+	2.887E-21	7.5407E-20	-0.27436	hypo	sig	chr17_4433816
chr13	1.13E+08	112995212	+	2.888E-21	7.5436E-20	-0.29261	hypo	sig	chr13_112995212
chr1	6002478	6002478	+	2.889E-21	7.5458E-20	-0.3435	hypo	sig	chr1_6002478
chr14	26205417	26205417	+	2.89E-21	7.5461E-20	0.281869	hyper	sig	chr14_26205417
chr12	1.03E+08	102958690	+	2.89E-21	7.548E-20	0.213369	hyper	sig	chr12_102958690
chr12	1.14E+08	114440773	+	2.897E-21	7.5648E-20	0.304889	hyper	sig	chr12_114440773
chr1	1.75E+08	175400787	+	2.898E-21	7.5674E-20	-0.29021	hypo	sig	chr1_175400787
chr16	11675859	11675859	+	2.9E-21	7.5714E-20	-0.34235	hypo	sig	chr16_11675859
chr7	45921963	45921963	+	2.903E-21	7.5789E-20	0.266829	hyper	sig	chr7_45921963
chr11	20598726	20598726	+	2.904E-21	7.582E-20	0.367727	hyper	sig	chr11_20598726
chr20	40696377	40696377	+	2.905E-21	7.5837E-20	-0.26985	hypo	sig	chr20_40696377
chr2	2.32E+08	231927089	+	2.906E-21	7.5859E-20	0.269965	hyper	sig	chr2_231927089
chr10	491214	491214	+	2.909E-21	7.5942E-20	0.259027	hyper	sig	chr10_491214
chr9	1.37E+08	136985135	+	2.91E-21	7.5962E-20	0.265299	hyper	sig	chr9_136985135
chr11	56490936	56490936	+	2.91E-21	7.5977E-20	-0.40585	hypo	sig	chr11_56490936
chr1	9875564	9875564	+	2.912E-21	7.6011E-20	0.257786	hyper	sig	chr1_9875564
chr5	1444280	1444280	+	2.915E-21	7.6087E-20	0.27282	hyper	sig	chr5_1444280
chr20	34862264	34862264	+	2.918E-21	7.617E-20	-0.24167	hypo	sig	chr20_34862264
chr2	73983754	73983754	+	2.922E-21	7.6262E-20	-0.24237	hypo	sig	chr2_73983754

chr2	2.02E+08	202036296	+	2.922E-21	7.6262E-20	0.428487	hyper	sig	chr2_202036296
chr19	37817469	37817469	+	2.928E-21	7.6408E-20	0.32893	hyper	sig	chr19_37817469
chr3	12798839	12798839	+	2.93E-21	7.6467E-20	0.261436	hyper	sig	chr3_12798839
chr12	1.19E+08	118981018	+	2.932E-21	7.6517E-20	0.366987	hyper	sig	chr12_118981018
chr20	17617762	17617762	+	2.932E-21	7.6517E-20	0.301122	hyper	sig	chr20_17617762
chr2	9820419	9820419	+	2.933E-21	7.6529E-20	-0.34231	hypo	sig	chr2_9820419
chr4	1.47E+08	146640703	+	2.935E-21	7.6592E-20	0.300923	hyper	sig	chr4_146640703
chr3	44022141	44022141	+	2.939E-21	7.67E-20	0.251164	hyper	sig	chr3_44022141
chr5	19988557	19988557	+	2.94E-21	7.6705E-20	0.311023	hyper	sig	chr5_19988557
chr13	78607988	78607988	+	2.94E-21	7.6719E-20	0.371865	hyper	sig	chr13_78607988
chr2	2.4E+08	239506567	+	2.949E-21	7.6936E-20	-0.23218	hypo	sig	chr2_239506567
chr7	99580215	99580215	+	2.949E-21	7.6952E-20	0.324333	hyper	sig	chr7_99580215
chr6	1.6E+08	160006454	+	2.952E-21	7.7023E-20	0.274244	hyper	sig	chr6_160006454
chr10	1.16E+08	116273421	+	2.955E-21	7.7096E-20	0.227192	hyper	sig	chr10_116273421
chr5	1.73E+08	173234860	+	2.955E-21	7.71E-20	0.258159	hyper	sig	chr5_173234860
chr7	1.51E+08	151082267	+	2.957E-21	7.7139E-20	-0.2526	hypo	sig	chr7_151082267
chr4	8290589	8290589	+	2.958E-21	7.7173E-20	-0.24734	hypo	sig	chr4_8290589
chr8	54466610	54466610	+	2.959E-21	7.7193E-20	0.291489	hyper	sig	chr8_54466610
chr19	30224754	30224754	+	2.961E-21	7.7237E-20	0.247263	hyper	sig	chr19_30224754
chr1	1.61E+08	161079701	+	2.963E-21	7.7281E-20	0.355015	hyper	sig	chr1_161079701
chr12	53960757	53960757	+	2.969E-21	7.7427E-20	0.338817	hyper	sig	chr12_53960757
chr1	50425690	50425690	+	2.971E-21	7.7484E-20	0.279803	hyper	sig	chr1_50425690
chr12	1.27E+08	126725037	+	2.972E-21	7.7508E-20	-0.29039	hypo	sig	chr12_126725037
chr6	29792762	29792762	+	2.973E-21	7.7533E-20	0.221127	hyper	sig	chr6_29792762
chr16	1378605	1378605	+	2.976E-21	7.7603E-20	-0.27557	hypo	sig	chr16_1378605
chr8	9324790	9324790	+	2.976E-21	7.7607E-20	-0.2686	hypo	sig	chr8_9324790
chr12	6075236	6075236	+	2.977E-21	7.7628E-20	-0.25217	hypo	sig	chr12_6075236
chr13	1.02E+08	102400539	+	2.98E-21	7.7713E-20	0.323243	hyper	sig	chr13_102400539
chr22	29313321	29313321	+	2.98E-21	7.7713E-20	0.223795	hyper	sig	chr22_29313321
chr7	2729654	2729654	+	2.982E-21	7.7745E-20	0.386246	hyper	sig	chr7_2729654
chr2	1.75E+08	174730203	+	2.983E-21	7.7769E-20	0.267292	hyper	sig	chr2_174730203
chr7	1.28E+08	128032236	+	2.983E-21	7.7775E-20	0.269868	hyper	sig	chr7_128032236
chr2	2.42E+08	241843059	+	2.991E-21	7.7994E-20	-0.26573	hypo	sig	chr2_241843059
chr16	4664814	4664814	+	2.992E-21	7.8016E-20	-0.27171	hypo	sig	chr16_4664814
chr15	69561383	69561383	+	2.995E-21	7.8093E-20	-0.30056	hypo	sig	chr15_69561383
chr7	1.55E+08	155400555	+	2.998E-21	7.8163E-20	-0.28715	hypo	sig	chr7_155400555
chr16	3305088	3305088	+	2.999E-21	7.8186E-20	0.384483	hyper	sig	chr16_3305088
chr6	33976097	33976097	+	2.999E-21	7.8186E-20	0.345901	hyper	sig	chr6_33976097
chr11	32438031	32438031	+	3E-21	7.8214E-20	0.265904	hyper	sig	chr11_32438031
chr20	24470071	24470071	+	3.003E-21	7.8281E-20	0.318999	hyper	sig	chr20_24470071
chr2	2.32E+08	232419961	+	3.003E-21	7.8285E-20	0.313134	hyper	sig	chr2_232419961
chr7	1.55E+08	155373494	+	3.003E-21	7.8285E-20	0.277222	hyper	sig	chr7_155373494
chr1	1.1E+08	110068277	+	3.007E-21	7.8382E-20	0.213712	hyper	sig	chr1_110068277
chr12	1.32E+08	132343788	+	3.016E-21	7.8618E-20	0.314372	hyper	sig	chr12_132343788
chr7	27249524	27249524	+	3.019E-21	7.8669E-20	0.275555	hyper	sig	chr7_27249524
chr1	2.02E+08	202122805	+	3.019E-21	7.8678E-20	0.302547	hyper	sig	chr1_202122805
chr16	1060856	1060856	+	3.02E-21	7.8699E-20	-0.32038	hypo	sig	chr16_1060856
chr17	80067577	80067577	+	3.022E-21	7.8742E-20	-0.31184	hypo	sig	chr17_80067577
chr20	35967094	35967094	+	3.023E-21	7.8767E-20	-0.34942	hypo	sig	chr20_35967094
chr3	1.02E+08	101678053	+	3.023E-21	7.8772E-20	-0.27857	hypo	sig	chr3_101678053
chr1	11488493	11488493	+	3.024E-21	7.8808E-20	-0.40946	hypo	sig	chr1_11488493
chr7	949592	949592	+	3.027E-21	7.8871E-20	-0.32627	hypo	sig	chr7_949592
chr21	20997656	20997656	+	3.028E-21	7.8898E-20	0.355119	hyper	sig	chr21_20997656
chr8	68332051	68332051	+	3.031E-21	7.8984E-20	0.256579	hyper	sig	chr8_68332051
chr16	1941329	1941329	+	3.033E-21	7.9011E-20	-0.26777	hypo	sig	chr16_1941329
chr3	1.33E+08	133038119	+	3.038E-21	7.9136E-20	0.255184	hyper	sig	chr3_133038119

chr21	36705094	36705094	+	3.038E-21	7.9148E-20	0.331371	hyper	sig	chr21_36705094
chr10	1.3E+08	129951449	+	3.042E-21	7.9236E-20	-0.28418	hypo	sig	chr10_129951449
chr6	1.7E+08	170272414	+	3.042E-21	7.9236E-20	-0.30098	hypo	sig	chr6_170272414
chr17	81400733	81400733	+	3.042E-21	7.925E-20	0.283777	hyper	sig	chr17_81400733
chr2	1.61E+08	161281195	+	3.045E-21	7.9314E-20	-0.35618	hypo	sig	chr2_161281195
chr9	3181054	3181054	+	3.05E-21	7.9434E-20	0.250002	hyper	sig	chr9_3181054
chr10	1.19E+08	118595182	+	3.051E-21	7.9471E-20	0.328886	hyper	sig	chr10_118595182
chr7	1.55E+08	155466242	+	3.051E-21	7.9471E-20	0.257888	hyper	sig	chr7_155466242
chr6	1.5E+08	149965087	+	3.058E-21	7.9632E-20	0.23987	hyper	sig	chr6_149965087
chr19	3879863	3879863	+	3.06E-21	7.9687E-20	-0.32476	hypo	sig	chr19_3879863
chr19	695688	695688	+	3.062E-21	7.9744E-20	-0.29824	hypo	sig	chr19_695688
chr8	38650555	38650555	+	3.066E-21	7.9835E-20	0.257512	hyper	sig	chr8_38650555
chr4	84497218	84497218	+	3.066E-21	7.984E-20	0.256523	hyper	sig	chr4_84497218
chr6	27864116	27864116	+	3.068E-21	7.9896E-20	0.266519	hyper	sig	chr6_27864116
chr15	89409673	89409673	+	3.069E-21	7.9921E-20	0.30708	hyper	sig	chr15_89409673
chr2	1.09E+08	109291546	+	3.07E-21	7.994E-20	0.248621	hyper	sig	chr2_109291546
chr16	67884937	67884937	+	3.07E-21	7.9946E-20	0.330355	hyper	sig	chr16_67884937
chr14	56799152	56799152	+	3.071E-21	7.9952E-20	0.337647	hyper	sig	chr14_56799152
chr10	7173379	7173379	+	3.074E-21	8.0042E-20	-0.31522	hypo	sig	chr10_7173379
chr13	1.14E+08	114140398	+	3.077E-21	8.0103E-20	-0.24563	hypo	sig	chr13_114140398
chr5	1.42E+08	141883744	+	3.08E-21	8.0187E-20	0.288966	hyper	sig	chr5_141883744
chr1	3179790	3179790	+	3.081E-21	8.0201E-20	-0.29805	hypo	sig	chr1_3179790
chr7	43113919	43113919	+	3.082E-21	8.0217E-20	0.203931	hyper	sig	chr7_43113919
chr3	84958769	84958769	+	3.087E-21	8.0357E-20	0.207881	hyper	sig	chr3_84958769
chr6	6004604	6004604	+	3.088E-21	8.0369E-20	0.251288	hyper	sig	chr6_6004604
chr14	1.05E+08	104717808	+	3.089E-21	8.0392E-20	0.29171	hyper	sig	chr14_104717808
chr8	1.44E+08	144046863	+	3.097E-21	8.0619E-20	-0.33842	hypo	sig	chr8_144046863
chr10	23191777	23191777	+	3.099E-21	8.0647E-20	0.252843	hyper	sig	chr10_23191777
chr9	1.33E+08	132579862	+	3.102E-21	8.0729E-20	0.287563	hyper	sig	chr9_132579862
chr10	1.24E+08	123666119	+	3.103E-21	8.074E-20	0.307157	hyper	sig	chr10_123666119
chr2	1.39E+08	138780156	+	3.103E-21	8.074E-20	0.287509	hyper	sig	chr2_138780156
chr9	1.35E+08	135173700	+	3.103E-21	8.074E-20	-0.28967	hypo	sig	chr9_135173700
chr16	67934952	67934952	+	3.106E-21	8.0821E-20	0.268591	hyper	sig	chr16_67934952
chr17	77881746	77881746	+	3.107E-21	8.0835E-20	-0.33637	hypo	sig	chr17_77881746
chr3	38638260	38638260	+	3.114E-21	8.1027E-20	-0.29998	hypo	sig	chr3_38638260
chr5	1.77E+08	176887334	+	3.116E-21	8.1076E-20	-0.32245	hypo	sig	chr5_176887334
chr4	338693	338693	+	3.121E-21	8.1198E-20	0.255917	hyper	sig	chr4_338693
chr1	7782355	7782355	+	3.121E-21	8.1205E-20	-0.34409	hypo	sig	chr1_7782355
chr6	28091133	28091133	+	3.122E-21	8.1211E-20	0.270835	hyper	sig	chr6_28091133
chr12	1.26E+08	126192228	+	3.124E-21	8.1267E-20	-0.30567	hypo	sig	chr12_126192228
chr7	97021949	97021949	+	3.134E-21	8.1527E-20	0.413251	hyper	sig	chr7_97021949
chr7	28847951	28847951	+	3.135E-21	8.1556E-20	-0.26375	hypo	sig	chr7_28847951
chr16	89972055	89972055	+	3.143E-21	8.1756E-20	0.229662	hyper	sig	chr16_89972055
chr8	694521	694521	+	3.145E-21	8.1812E-20	-0.25568	hypo	sig	chr8_694521
chr3	1.84E+08	184492207	+	3.147E-21	8.1859E-20	0.331387	hyper	sig	chr3_184492207
chr17	42563261	42563261	+	3.151E-21	8.1958E-20	-0.27821	hypo	sig	chr17_42563261
chr1	32465613	32465613	+	3.153E-21	8.2006E-20	0.274081	hyper	sig	chr1_32465613
chr2	73203505	73203505	+	3.153E-21	8.2006E-20	0.260246	hyper	sig	chr2_73203505
chr14	85529792	85529792	+	3.157E-21	8.2109E-20	0.297744	hyper	sig	chr14_85529792
chr7	24284930	24284930	+	3.158E-21	8.2126E-20	0.286576	hyper	sig	chr7_24284930
chr5	1.14E+08	114055871	+	3.161E-21	8.2187E-20	0.302796	hyper	sig	chr5_114055871
chr19	23999916	23999916	+	3.166E-21	8.2329E-20	-0.26324	hypo	sig	chr19_23999916
chr1	2.26E+08	225897483	+	3.166E-21	8.2334E-20	-0.38834	hypo	sig	chr1_225897483
chr4	89837646	89837646	+	3.168E-21	8.2373E-20	0.247504	hyper	sig	chr4_89837646
chr12	54000262	54000262	+	3.169E-21	8.2383E-20	0.270066	hyper	sig	chr12_54000262
chr1	53519070	53519070	+	3.172E-21	8.2465E-20	-0.28037	hypo	sig	chr1_53519070

chr12	78864652	78864652	+	3.172E-21	8.2477E-20	0.287644	hyper	sig	chr12_78864652
chr14	1.02E+08	102215271	+	3.173E-21	8.2482E-20	0.317244	hyper	sig	chr14_102215271
chr16	56194573	56194573	+	3.175E-21	8.2534E-20	0.203889	hyper	sig	chr16_56194573
chr10	55628329	55628329	+	3.176E-21	8.2551E-20	0.270408	hyper	sig	chr10_55628329
chr7	1.59E+08	159066336	+	3.176E-21	8.2553E-20	-0.23926	hypo	sig	chr7_159066336
chr12	78865095	78865095	+	3.176E-21	8.2571E-20	0.23425	hyper	sig	chr12_78865095
chr2	11481235	11481235	+	3.177E-21	8.2583E-20	-0.30214	hypo	sig	chr2_11481235
chr13	78595980	78595980	+	3.18E-21	8.2669E-20	0.327039	hyper	sig	chr13_78595980
chr14	1.04E+08	103879608	+	3.181E-21	8.2683E-20	-0.28673	hypo	sig	chr14_103879608
chr9	13278573	13278573	+	3.182E-21	8.2691E-20	0.296395	hyper	sig	chr9_13278573
chr1	1.46E+08	146486604	+	3.183E-21	8.2723E-20	0.470679	hyper	sig	chr1_146486604
chr15	1.02E+08	101554391	+	3.19E-21	8.2915E-20	0.337524	hyper	sig	chr15_101554391
chr1	16226834	16226834	+	3.193E-21	8.299E-20	0.256344	hyper	sig	chr1_16226834
chr7	782560	782560	+	3.194E-21	8.2999E-20	0.327033	hyper	sig	chr7_782560
chr10	49613580	49613580	+	3.195E-21	8.3037E-20	0.347138	hyper	sig	chr10_49613580
chr22	25179592	25179592	+	3.201E-21	8.3172E-20	0.272476	hyper	sig	chr22_25179592
chr12	1.2E+08	119804343	+	3.204E-21	8.3267E-20	0.307305	hyper	sig	chr12_119804343
chr16	2977576	2977576	+	3.208E-21	8.3353E-20	-0.24931	hypo	sig	chr16_2977576
chr12	85280106	85280106	+	3.209E-21	8.3369E-20	0.226825	hyper	sig	chr12_85280106
chr17	1048794	1048794	+	3.212E-21	8.3441E-20	0.299163	hyper	sig	chr17_1048794
chr6	30163637	30163637	+	3.213E-21	8.3485E-20	-0.37428	hypo	sig	chr6_30163637
chr19	9498593	9498593	+	3.214E-21	8.3506E-20	0.360947	hyper	sig	chr19_9498593
chr21	37006157	37006157	+	3.22E-21	8.3639E-20	0.318223	hyper	sig	chr21_37006157
chr7	1233753	1233753	+	3.22E-21	8.3639E-20	0.349488	hyper	sig	chr7_1233753
chr6	1.61E+08	161140047	+	3.22E-21	8.3643E-20	-0.26402	hypo	sig	chr6_161140047
chr6	27670565	27670565	+	3.222E-21	8.3697E-20	0.205891	hyper	sig	chr6_27670565
chr8	1749370	1749370	+	3.224E-21	8.3746E-20	0.217084	hyper	sig	chr8_1749370
chr7	1.29E+08	128792169	+	3.226E-21	8.379E-20	0.386048	hyper	sig	chr7_128792169
chr8	23263527	23263527	+	3.227E-21	8.3821E-20	0.267189	hyper	sig	chr8_23263527
chr7	73424375	73424375	+	3.229E-21	8.3874E-20	0.292722	hyper	sig	chr7_73424375
chr5	88685331	88685331	+	3.232E-21	8.394E-20	0.249171	hyper	sig	chr5_88685331
chr8	52414116	52414116	+	3.236E-21	8.4044E-20	0.32082	hyper	sig	chr8_52414116
chr1	2923675	2923675	+	3.237E-21	8.4075E-20	-0.27695	hypo	sig	chr1_2923675
chr19	1873645	1873645	+	3.238E-21	8.4101E-20	0.314336	hyper	sig	chr19_1873645
chr11	43920868	43920868	+	3.24E-21	8.4141E-20	-0.26357	hypo	sig	chr11_43920868
chr4	1.85E+08	185018916	+	3.243E-21	8.421E-20	0.281689	hyper	sig	chr4_185018916
chr9	1.31E+08	130662861	+	3.244E-21	8.4235E-20	0.289707	hyper	sig	chr9_130662861
chr19	52397721	52397721	+	3.245E-21	8.4259E-20	0.243252	hyper	sig	chr19_52397721
chr22	26757069	26757069	+	3.247E-21	8.4303E-20	0.3402	hyper	sig	chr22_26757069
chr16	1002603	1002603	+	3.247E-21	8.431E-20	-0.38822	hypo	sig	chr16_1002603
chr12	1.13E+08	113469286	+	3.248E-21	8.4322E-20	0.285446	hyper	sig	chr12_113469286
chr19	50692179	50692179	+	3.248E-21	8.4335E-20	-0.26464	hypo	sig	chr19_50692179
chr7	56115945	56115945	+	3.254E-21	8.4477E-20	0.328346	hyper	sig	chr7_56115945
chr1	3290961	3290961	+	3.255E-21	8.4505E-20	-0.24119	hypo	sig	chr1_3290961
chr10	49679744	49679744	+	3.256E-21	8.4533E-20	0.295472	hyper	sig	chr10_49679744
chr12	40692995	40692995	+	3.256E-21	8.4533E-20	0.289699	hyper	sig	chr12_40692995
chr17	1898678	1898678	+	3.256E-21	8.4533E-20	0.220426	hyper	sig	chr17_1898678
chr19	14085795	14085795	+	3.259E-21	8.459E-20	0.447885	hyper	sig	chr19_14085795
chr10	7672901	7672901	+	3.259E-21	8.4598E-20	-0.26121	hypo	sig	chr10_7672901
chr6	27291258	27291258	+	3.261E-21	8.4653E-20	0.253027	hyper	sig	chr6_27291258
chr8	1.43E+08	142510240	+	3.262E-21	8.4674E-20	0.271026	hyper	sig	chr8_142510240
chr12	56021508	56021508	+	3.267E-21	8.4783E-20	0.382816	hyper	sig	chr12_56021508
chr17	7478354	7478354	+	3.272E-21	8.4909E-20	0.298564	hyper	sig	chr17_7478354
chr17	34156887	34156887	+	3.273E-21	8.4938E-20	0.254796	hyper	sig	chr17_34156887
chr15	89408565	89408565	+	3.277E-21	8.5044E-20	0.245701	hyper	sig	chr15_89408565
chr1	2.36E+08	236065441	+	3.279E-21	8.5102E-20	0.244833	hyper	sig	chr1_236065441

chr3	1.8E+08	180036436	+	3.28E-21	8.5102E-20	0.33244	hyper	sig	chr3_180036436
chr7	75395396	75395396	+	3.281E-21	8.5139E-20	0.346133	hyper	sig	chr7_75395396
chr13	24511347	24511347	+	3.282E-21	8.5161E-20	-0.30609	hypo	sig	chr13_24511347
chr15	67827246	67827246	+	3.285E-21	8.5236E-20	0.222296	hyper	sig	chr15_67827246
chr3	1.82E+08	181726667	+	3.286E-21	8.5269E-20	0.271025	hyper	sig	chr3_181726667
chr11	64061305	64061305	+	3.288E-21	8.5307E-20	0.324478	hyper	sig	chr11_64061305
chr7	1.56E+08	155806332	+	3.289E-21	8.5327E-20	0.317176	hyper	sig	chr7_155806332
chr20	40690730	40690730	+	3.291E-21	8.5372E-20	0.324086	hyper	sig	chr20_40690730
chr16	86495067	86495067	+	3.294E-21	8.5457E-20	0.302239	hyper	sig	chr16_86495067
chr1	1.82E+08	181832556	+	3.298E-21	8.555E-20	-0.27013	hypo	sig	chr1_181832556
chr10	55628736	55628736	+	3.303E-21	8.5663E-20	0.237659	hyper	sig	chr10_55628736
chr19	9498629	9498629	+	3.303E-21	8.567E-20	0.287643	hyper	sig	chr19_9498629
chr7	533531	533531	+	3.304E-21	8.57E-20	-0.26165	hypo	sig	chr7_533531
chr1	2.14E+08	214303937	+	3.306E-21	8.5736E-20	0.243063	hyper	sig	chr1_214303937
chr13	27919209	27919209	+	3.306E-21	8.5736E-20	0.396448	hyper	sig	chr13_27919209
chr22	19937625	19937625	+	3.307E-21	8.5751E-20	-0.22701	hypo	sig	chr22_19937625
chr20	56004155	56004155	+	3.307E-21	8.5756E-20	0.374147	hyper	sig	chr20_56004155
chr17	81461060	81461060	+	3.31E-21	8.5838E-20	-0.31358	hypo	sig	chr17_81461060
chr2	1.19E+08	118858447	+	3.314E-21	8.5926E-20	0.314161	hyper	sig	chr2_118858447
chr8	1.33E+08	133212477	+	3.314E-21	8.5938E-20	-0.30583	hypo	sig	chr8_133212477
chr1	75127908	75127908	+	3.316E-21	8.5988E-20	0.235884	hyper	sig	chr1_75127908
chr5	54883477	54883477	+	3.317E-21	8.5997E-20	0.226135	hyper	sig	chr5_54883477
chr5	1962440	1962440	+	3.318E-21	8.6018E-20	-0.28537	hypo	sig	chr5_1962440
chr7	1.29E+08	128511946	+	3.321E-21	8.6094E-20	-0.25554	hypo	sig	chr7_128511946
chr8	98948706	98948706	+	3.321E-21	8.6094E-20	0.224947	hyper	sig	chr8_98948706
chr1	1.52E+08	152191541	+	3.321E-21	8.61E-20	-0.36281	hypo	sig	chr1_152191541
chr20	46513325	46513325	+	3.332E-21	8.6373E-20	0.266228	hyper	sig	chr20_46513325
chr8	96160747	96160747	+	3.336E-21	8.648E-20	0.266822	hyper	sig	chr8_96160747
chr9	1.28E+08	127741902	+	3.336E-21	8.648E-20	0.356923	hyper	sig	chr9_127741902
chr6	1.63E+08	163413360	+	3.338E-21	8.6519E-20	0.212155	hyper	sig	chr6_163413360
chr7	1.18E+08	118214633	+	3.34E-21	8.6563E-20	0.235363	hyper	sig	chr7_118214633
chr20	63006042	63006042	+	3.34E-21	8.6565E-20	0.279409	hyper	sig	chr20_63006042
chr13	1.1E+08	110434982	+	3.34E-21	8.6571E-20	-0.24226	hypo	sig	chr13_110434982
chr6	1E+08	100466765	+	3.343E-21	8.6636E-20	0.28458	hyper	sig	chr6_100466765
chr15	74132789	74132789	+	3.344E-21	8.6644E-20	0.431054	hyper	sig	chr15_74132789
chr1	45622851	45622851	+	3.347E-21	8.672E-20	0.295296	hyper	sig	chr1_45622851
chr21	33025470	33025470	+	3.351E-21	8.6821E-20	0.315632	hyper	sig	chr21_33025470
chr1	7784740	7784740	+	3.352E-21	8.6853E-20	0.333464	hyper	sig	chr1_7784740
chr17	80823190	80823190	+	3.359E-21	8.7039E-20	-0.34644	hypo	sig	chr17_80823190
chr5	88678312	88678312	+	3.361E-21	8.7095E-20	0.274752	hyper	sig	chr5_88678312
chr12	70920467	70920467	+	3.362E-21	8.71E-20	0.327816	hyper	sig	chr12_70920467
chr15	45704393	45704393	+	3.363E-21	8.7126E-20	0.274906	hyper	sig	chr15_45704393
chr11	31802724	31802724	+	3.366E-21	8.7192E-20	0.31749	hyper	sig	chr11_31802724
chr6	50715876	50715876	+	3.371E-21	8.7323E-20	0.32859	hyper	sig	chr6_50715876
chr13	1.12E+08	112105765	+	3.374E-21	8.7408E-20	0.297189	hyper	sig	chr13_112105765
chr6	30127183	30127183	+	3.374E-21	8.741E-20	0.258935	hyper	sig	chr6_30127183
chr5	55220710	55220710	+	3.375E-21	8.7434E-20	0.22667	hyper	sig	chr5_55220710
chr7	85186622	85186622	+	3.378E-21	8.751E-20	0.284167	hyper	sig	chr7_85186622
chr8	1.42E+08	141974026	+	3.379E-21	8.7529E-20	-0.32938	hypo	sig	chr8_141974026
chr5	64166396	64166396	+	3.382E-21	8.7598E-20	0.265592	hyper	sig	chr5_64166396
chr6	31728705	31728705	+	3.386E-21	8.7698E-20	0.292939	hyper	sig	chr6_31728705
chr4	7393885	7393885	+	3.386E-21	8.7698E-20	-0.24081	hypo	sig	chr4_7393885
chr11	8168605	8168605	+	3.39E-21	8.7784E-20	0.28433	hyper	sig	chr11_8168605
chr8	54466483	54466483	+	3.391E-21	8.7805E-20	0.325855	hyper	sig	chr8_54466483
chr7	88759011	88759011	+	3.391E-21	8.7827E-20	0.431879	hyper	sig	chr7_88759011
chr6	98842834	98842834	+	3.394E-21	8.7889E-20	0.28661	hyper	sig	chr6_98842834

chr7	90211056	90211056	+	3.394E-21	8.7889E-20	-0.41165	hypo	sig	chr7_90211056
chr3	27730256	27730256	+	3.396E-21	8.7931E-20	0.227242	hyper	sig	chr3_27730256
chr15	57591324	57591324	+	3.398E-21	8.7989E-20	-0.24423	hypo	sig	chr15_57591324
chr19	33623388	33623388	+	3.4E-21	8.8026E-20	0.238659	hyper	sig	chr19_33623388
chr7	41965250	41965250	+	3.402E-21	8.8072E-20	-0.2543	hypo	sig	chr7_41965250
chr2	86036094	86036094	+	3.402E-21	8.8091E-20	0.342605	hyper	sig	chr2_86036094
chr10	1736335	1736335	+	3.404E-21	8.8118E-20	0.24266	hyper	sig	chr10_1736335
chr11	20669394	20669394	+	3.406E-21	8.8176E-20	0.395636	hyper	sig	chr11_20669394
chr11	72013631	72013631	+	3.407E-21	8.8206E-20	0.261002	hyper	sig	chr11_72013631
chr11	85934917	85934917	+	3.407E-21	8.8208E-20	0.35509	hyper	sig	chr11_85934917
chr13	78587007	78587007	+	3.408E-21	8.8225E-20	0.352301	hyper	sig	chr13_78587007
chr3	14556119	14556119	+	3.409E-21	8.8233E-20	-0.2478	hypo	sig	chr3_14556119
chr10	99520768	99520768	+	3.411E-21	8.8306E-20	0.215775	hyper	sig	chr10_99520768
chr2	11656891	11656891	+	3.412E-21	8.832E-20	-0.3072	hypo	sig	chr2_11656891
chr2	2.06E+08	205686775	+	3.412E-21	8.832E-20	0.318508	hyper	sig	chr2_205686775
chr3	1.47E+08	147395939	+	3.416E-21	8.8414E-20	0.283047	hyper	sig	chr3_147395939
chr2	30230529	30230529	+	3.416E-21	8.842E-20	0.347883	hyper	sig	chr2_30230529
chr11	27722765	27722765	+	3.426E-21	8.868E-20	0.396794	hyper	sig	chr11_27722765
chr1	50425280	50425280	+	3.432E-21	8.8809E-20	0.304863	hyper	sig	chr1_50425280
chr4	53151583	53151583	+	3.432E-21	8.8829E-20	0.251233	hyper	sig	chr4_53151583
chr2	1.83E+08	183263893	+	3.435E-21	8.8898E-20	-0.32322	hypo	sig	chr2_183263893
chr19	57600401	57600401	+	3.439E-21	8.8998E-20	0.232719	hyper	sig	chr19_57600401
chr17	79178543	79178543	+	3.447E-21	8.9204E-20	-0.3096	hypo	sig	chr17_79178543
chr16	81676271	81676271	+	3.451E-21	8.9287E-20	0.323257	hyper	sig	chr16_81676271
chr4	41747344	41747344	+	3.454E-21	8.9358E-20	0.401237	hyper	sig	chr4_41747344
chr8	1958176	1958176	+	3.458E-21	8.9462E-20	0.289333	hyper	sig	chr8_1958176
chr4	386017	386017	+	3.458E-21	8.9476E-20	0.286227	hyper	sig	chr4_386017
chr8	56113918	56113918	+	3.458E-21	8.9476E-20	0.370699	hyper	sig	chr8_56113918
chr19	15281116	15281116	+	3.465E-21	8.9654E-20	0.245929	hyper	sig	chr19_15281116
chr12	1.14E+08	113796308	+	3.467E-21	8.9692E-20	0.322614	hyper	sig	chr12_113796308
chr1	1.46E+08	145872347	+	3.472E-21	8.9808E-20	0.20794	hyper	sig	chr1_145872347
chr10	11742041	11742041	+	3.473E-21	8.985E-20	0.245133	hyper	sig	chr10_11742041
chr15	64774064	64774064	+	3.477E-21	8.993E-20	0.314045	hyper	sig	chr15_64774064
chr12	1.13E+08	113479718	+	3.477E-21	8.9945E-20	0.33641	hyper	sig	chr12_113479718
chr14	20633591	20633591	+	3.478E-21	8.995E-20	0.285755	hyper	sig	chr14_20633591
chr8	1.45E+08	144623565	+	3.478E-21	8.995E-20	0.276323	hyper	sig	chr8_144623565
chr16	1962876	1962876	+	3.483E-21	9.0076E-20	-0.25383	hypo	sig	chr16_1962876
chr7	1.4E+08	139542463	+	3.485E-21	9.0137E-20	-0.30858	hypo	sig	chr7_139542463
chr7	43112692	43112692	+	3.487E-21	9.0189E-20	0.256552	hyper	sig	chr7_43112692
chr17	79183670	79183670	+	3.502E-21	9.0553E-20	0.299041	hyper	sig	chr17_79183670
chr8	53880088	53880088	+	3.502E-21	9.0565E-20	0.273448	hyper	sig	chr8_53880088
chr7	1.57E+08	157020299	+	3.505E-21	9.0624E-20	0.258394	hyper	sig	chr7_157020299
chr2	1.28E+08	127653013	+	3.506E-21	9.0649E-20	0.340024	hyper	sig	chr2_127653013
chr11	1.24E+08	124030034	+	3.51E-21	9.0765E-20	-0.24478	hypo	sig	chr11_124030034
chr2	2.39E+08	239222102	+	3.514E-21	9.0855E-20	0.31638	hyper	sig	chr2_239222102
chr2	1893500	1893500	+	3.515E-21	9.0888E-20	-0.39281	hypo	sig	chr2_1893500
chr12	1.07E+08	106903355	+	3.518E-21	9.095E-20	0.305622	hyper	sig	chr12_106903355
chr18	31727996	31727996	+	3.518E-21	9.0951E-20	-0.26134	hypo	sig	chr18_31727996
chr1	30809296	30809296	+	3.52E-21	9.1004E-20	0.301693	hyper	sig	chr1_30809296
chr1	66752148	66752148	+	3.523E-21	9.1071E-20	0.240352	hyper	sig	chr1_66752148
chr6	30685876	30685876	+	3.523E-21	9.1087E-20	0.289321	hyper	sig	chr6_30685876
chr7	1.28E+08	128032168	+	3.524E-21	9.111E-20	0.297528	hyper	sig	chr7_128032168
chr2	1.19E+08	119158245	+	3.527E-21	9.117E-20	0.321954	hyper	sig	chr2_119158245
chr2	1.15E+08	115162713	+	3.529E-21	9.1213E-20	0.331034	hyper	sig	chr2_115162713
chr9	1.19E+08	119369274	+	3.53E-21	9.1243E-20	0.374278	hyper	sig	chr9_119369274
chr4	1407676	1407676	+	3.532E-21	9.1293E-20	0.403226	hyper	sig	chr4_1407676

chr2	1.19E+08	118859152	+	3.535E-21	9.1369E-20	0.214548	hyper	sig	chr2_118859152
chr17	19418801	19418801	+	3.538E-21	9.1448E-20	-0.26558	hypo	sig	chr17_19418801
chr4	1.74E+08	173531753	+	3.543E-21	9.156E-20	0.29301	hyper	sig	chr4_173531753
chr6	29558620	29558620	+	3.543E-21	9.1569E-20	-0.32212	hypo	sig	chr6_29558620
chr1	44261289	44261289	+	3.544E-21	9.1587E-20	-0.30073	hypo	sig	chr1_44261289
chr1	1.08E+08	107965905	+	3.546E-21	9.1635E-20	0.241609	hyper	sig	chr1_107965905
chr12	1.32E+08	132167885	+	3.549E-21	9.1711E-20	-0.29774	hypo	sig	chr12_132167885
chr19	57708996	57708996	+	3.549E-21	9.1718E-20	0.295356	hyper	sig	chr19_57708996
chr11	587791	587791	+	3.553E-21	9.1796E-20	-0.21745	hypo	sig	chr11_587791
chr14	77026628	77026628	+	3.554E-21	9.1823E-20	0.340857	hyper	sig	chr14_77026628
chr7	1.56E+08	155509178	+	3.555E-21	9.1842E-20	0.206571	hyper	sig	chr7_155509178
chr13	1.13E+08	113402755	+	3.555E-21	9.1847E-20	-0.29565	hypo	sig	chr13_113402755
chr10	11165577	11165577	+	3.555E-21	9.1853E-20	0.25876	hyper	sig	chr10_11165577
chr2	1.61E+08	161416805	+	3.557E-21	9.1891E-20	0.301565	hyper	sig	chr2_161416805
chr6	1.67E+08	167268035	+	3.56E-21	9.197E-20	-0.29626	hypo	sig	chr6_167268035
chr3	1.24E+08	123698233	+	3.563E-21	9.2037E-20	0.236874	hyper	sig	chr3_123698233
chr5	3602458	3602458	+	3.57E-21	9.223E-20	0.309006	hyper	sig	chr5_3602458
chr15	89221621	89221621	+	3.575E-21	9.2338E-20	-0.28204	hypo	sig	chr15_89221621
chr3	39189631	39189631	+	3.575E-21	9.2343E-20	-0.27194	hypo	sig	chr3_39189631
chr8	1.45E+08	144699979	+	3.579E-21	9.2455E-20	0.229382	hyper	sig	chr8_144699979
chr16	4263331	4263331	+	3.586E-21	9.2627E-20	0.33403	hyper	sig	chr16_4263331
chr13	54829741	54829741	+	3.586E-21	9.2629E-20	-0.30183	hypo	sig	chr13_54829741
chr2	31137907	31137907	+	3.587E-21	9.2634E-20	0.236095	hyper	sig	chr2_31137907
chr14	1.01E+08	101026069	+	3.593E-21	9.2784E-20	-0.22295	hypo	sig	chr14_101026069
chr1	6623468	6623468	+	3.595E-21	9.285E-20	0.247654	hyper	sig	chr1_6623468
chr8	22232013	22232013	+	3.599E-21	9.2948E-20	0.229236	hyper	sig	chr8_22232013
chr6	30172171	30172171	+	3.603E-21	9.3031E-20	0.287256	hyper	sig	chr6_30172171
chr15	74133943	74133943	+	3.604E-21	9.3065E-20	0.306035	hyper	sig	chr15_74133943
chr7	8443715	8443715	+	3.604E-21	9.3075E-20	0.317697	hyper	sig	chr7_8443715
chr1	6089021	6089021	+	3.605E-21	9.3097E-20	-0.22161	hypo	sig	chr1_6089021
chr17	76027549	76027549	+	3.606E-21	9.3115E-20	-0.27526	hypo	sig	chr17_76027549
chr19	46079141	46079141	+	3.615E-21	9.3327E-20	0.329555	hyper	sig	chr19_46079141
chr3	48688243	48688243	+	3.62E-21	9.3476E-20	0.242408	hyper	sig	chr3_48688243
chr2	73292980	73292980	+	3.621E-21	9.349E-20	0.302032	hyper	sig	chr2_73292980
chr10	91633557	91633557	+	3.621E-21	9.3497E-20	0.283874	hyper	sig	chr10_91633557
chr7	64207376	64207376	+	3.623E-21	9.353E-20	-0.30107	hypo	sig	chr7_64207376
chr6	98825137	98825137	+	3.629E-21	9.3691E-20	0.347381	hyper	sig	chr6_98825137
chr19	42006671	42006671	+	3.634E-21	9.3806E-20	-0.27058	hypo	sig	chr19_42006671
chr5	1.29E+08	128537785	+	3.636E-21	9.3858E-20	0.264617	hyper	sig	chr5_128537785
chr5	1.41E+08	141352377	+	3.637E-21	9.3871E-20	0.347561	hyper	sig	chr5_141352377
chr8	64577395	64577395	+	3.637E-21	9.3886E-20	0.262721	hyper	sig	chr8_64577395
chr4	664229	664229	+	3.638E-21	9.3906E-20	0.28656	hyper	sig	chr4_664229
chr3	43996941	43996941	+	3.638E-21	9.391E-20	0.282618	hyper	sig	chr3_43996941
chr3	1.84E+08	184492258	+	3.641E-21	9.3975E-20	0.336387	hyper	sig	chr3_184492258
chr11	66421216	66421216	+	3.644E-21	9.4057E-20	0.394367	hyper	sig	chr11_66421216
chr6	28091195	28091195	+	3.646E-21	9.4084E-20	0.261636	hyper	sig	chr6_28091195
chr16	84819303	84819303	+	3.647E-21	9.4112E-20	-0.25843	hypo	sig	chr16_84819303
chr19	4566412	4566412	+	3.651E-21	9.4215E-20	-0.35412	hypo	sig	chr19_4566412
chr15	83283974	83283974	+	3.655E-21	9.433E-20	0.329745	hyper	sig	chr15_83283974
chr1	1.19E+08	118989468	+	3.658E-21	9.4403E-20	0.27445	hyper	sig	chr1_118989468
chr1	3217582	3217582	+	3.661E-21	9.4468E-20	0.275914	hyper	sig	chr1_3217582
chr6	1.08E+08	108167151	+	3.666E-21	9.4589E-20	0.28928	hyper	sig	chr6_108167151
chr12	62192443	62192443	+	3.671E-21	9.4716E-20	0.418187	hyper	sig	chr12_62192443
chr3	62369858	62369858	+	3.672E-21	9.4749E-20	0.330115	hyper	sig	chr3_62369858
chr20	46030310	46030310	+	3.679E-21	9.4903E-20	0.412809	hyper	sig	chr20_46030310
chr7	35255573	35255573	+	3.686E-21	9.5095E-20	0.391819	hyper	sig	chr7_35255573

chr14	1.05E+08	104637471	+	3.688E-21	9.5153E-20	-0.39986	hypo	sig	chr14_104637471
chr12	53051415	53051415	+	3.692E-21	9.5247E-20	0.248093	hyper	sig	chr12_53051415
chr13	94712293	94712293	+	3.696E-21	9.5334E-20	0.250206	hyper	sig	chr13_94712293
chr14	36654737	36654737	+	3.7E-21	9.5436E-20	0.348099	hyper	sig	chr14_36654737
chr5	1.5E+08	150167383	+	3.703E-21	9.5519E-20	-0.3164	hypo	sig	chr5_150167383
chr8	1.43E+08	142676065	+	3.705E-21	9.5561E-20	-0.27168	hypo	sig	chr8_142676065
chr4	1212111	1212111	+	3.706E-21	9.5589E-20	0.280348	hyper	sig	chr4_1212111
chr4	1.88E+08	188236933	+	3.707E-21	9.5623E-20	-0.25599	hypo	sig	chr4_188236933
chr1	1.54E+08	153565973	+	3.708E-21	9.5638E-20	-0.20313	hypo	sig	chr1_153565973
chr2	2.19E+08	219497146	+	3.709E-21	9.5665E-20	0.333991	hyper	sig	chr2_219497146
chr5	1973992	1973992	+	3.709E-21	9.5665E-20	-0.302	hypo	sig	chr5_1973992
chr7	1.32E+08	131538634	+	3.711E-21	9.57E-20	-0.38762	hypo	sig	chr7_131538634
chr10	59175947	59175947	+	3.712E-21	9.5731E-20	0.244826	hyper	sig	chr10_59175947
chr2	2.22E+08	222289388	+	3.714E-21	9.5765E-20	0.321021	hyper	sig	chr2_222289388
chr22	39456857	39456857	+	3.715E-21	9.5783E-20	0.401974	hyper	sig	chr22_39456857
chr15	59995244	59995244	+	3.716E-21	9.5822E-20	0.255254	hyper	sig	chr15_59995244
chr1	1.17E+08	117363751	+	3.718E-21	9.5866E-20	-0.24252	hypo	sig	chr1_117363751
chr9	1.36E+08	135908467	+	3.723E-21	9.5989E-20	0.273823	hyper	sig	chr9_135908467
chr21	33025934	33025934	+	3.725E-21	9.6053E-20	0.303614	hyper	sig	chr21_33025934
chr13	1.12E+08	111640240	+	3.727E-21	9.6083E-20	-0.28027	hypo	sig	chr13_111640240
chr6	1.52E+08	151809167	+	3.728E-21	9.6115E-20	0.308696	hyper	sig	chr6_151809167
chr22	38214588	38214588	+	3.728E-21	9.6122E-20	0.384304	hyper	sig	chr22_38214588
chr11	1.07E+08	107019424	+	3.729E-21	9.6127E-20	0.212101	hyper	sig	chr11_107019424
chr4	1.33E+08	133148454	+	3.734E-21	9.6247E-20	0.29066	hyper	sig	chr4_133148454
chr15	40349577	40349577	+	3.734E-21	9.6253E-20	-0.26003	hypo	sig	chr15_40349577
chr2	6770457	6770457	+	3.735E-21	9.6286E-20	-0.25582	hypo	sig	chr2_6770457
chr19	1876603	1876603	+	3.737E-21	9.6333E-20	0.267737	hyper	sig	chr19_1876603
chr1	47434480	47434480	+	3.739E-21	9.6375E-20	0.292258	hyper	sig	chr1_47434480
chr8	11866307	11866307	+	3.74E-21	9.6405E-20	-0.2821	hypo	sig	chr8_11866307
chr5	73444768	73444768	+	3.741E-21	9.6419E-20	0.303875	hyper	sig	chr5_73444768
chr10	49613551	49613551	+	3.742E-21	9.645E-20	0.340909	hyper	sig	chr10_49613551
chr8	24915635	24915635	+	3.745E-21	9.6518E-20	0.215287	hyper	sig	chr8_24915635
chr8	37897721	37897721	+	3.746E-21	9.6538E-20	-0.25724	hypo	sig	chr8_37897721
chr17	46841809	46841809	+	3.751E-21	9.6675E-20	0.209624	hyper	sig	chr17_46841809
chr3	49357538	49357538	+	3.754E-21	9.6734E-20	-0.29649	hypo	sig	chr3_49357538
chr20	57392622	57392622	+	3.755E-21	9.6753E-20	0.3828	hyper	sig	chr20_57392622
chr19	19514518	19514518	+	3.755E-21	9.6757E-20	0.310851	hyper	sig	chr19_19514518
chr1	1.46E+08	146486615	+	3.758E-21	9.6837E-20	0.433083	hyper	sig	chr1_146486615
chr22	39100400	39100400	+	3.758E-21	9.6838E-20	-0.3015	hypo	sig	chr22_39100400
chr15	89407578	89407578	+	3.766E-21	9.7026E-20	0.216403	hyper	sig	chr15_89407578
chr6	1.6E+08	160090927	+	3.769E-21	9.7095E-20	-0.32693	hypo	sig	chr6_160090927
chr6	1.13E+08	113223752	+	3.771E-21	9.7143E-20	-0.2241	hypo	sig	chr6_113223752
chr12	29784403	29784403	+	3.771E-21	9.7158E-20	0.352388	hyper	sig	chr12_29784403
chr3	1.47E+08	147407505	+	3.774E-21	9.7212E-20	0.303195	hyper	sig	chr3_147407505
chr5	1.41E+08	141397986	+	3.775E-21	9.7241E-20	0.244181	hyper	sig	chr5_141397986
chr3	69012713	69012713	+	3.775E-21	9.7256E-20	0.28941	hyper	sig	chr3_69012713
chr9	1.36E+08	136356410	+	3.776E-21	9.7266E-20	-0.33672	hypo	sig	chr9_136356410
chr16	12803078	12803078	+	3.776E-21	9.7276E-20	-0.28786	hypo	sig	chr16_12803078
chr10	55628642	55628642	+	3.778E-21	9.7316E-20	0.283711	hyper	sig	chr10_55628642
chr3	1.77E+08	177201768	+	3.78E-21	9.7355E-20	-0.32758	hypo	sig	chr3_177201768
chr7	1.04E+08	104328971	+	3.782E-21	9.7411E-20	0.215444	hyper	sig	chr7_104328971
chr11	1.29E+08	128824513	+	3.782E-21	9.7419E-20	0.387071	hyper	sig	chr11_128824513
chr5	1.41E+08	141430938	+	3.789E-21	9.7593E-20	0.283441	hyper	sig	chr5_141430938
chr3	49422410	49422410	+	3.79E-21	9.7605E-20	0.297013	hyper	sig	chr3_49422410
chr19	5799329	5799329	+	3.792E-21	9.7644E-20	-0.32443	hypo	sig	chr19_5799329
chr16	85535930	85535930	+	3.792E-21	9.7657E-20	-0.3245	hypo	sig	chr16_85535930

chr17	40027451	40027451	+	3.793E-21	9.7662E-20	0.339578	hyper	sig	chr17_40027451
chr8	2089966	2089966	+	3.794E-21	9.7703E-20	-0.35724	hypo	sig	chr8_2089966
chr14	56812382	56812382	+	3.807E-21	9.8023E-20	0.242018	hyper	sig	chr14_56812382
chr15	29278591	29278591	+	3.808E-21	9.8041E-20	-0.30524	hypo	sig	chr15_29278591
chr20	62378532	62378532	+	3.809E-21	9.8082E-20	0.296005	hyper	sig	chr20_62378532
chr12	53945040	53945040	+	3.81E-21	9.8083E-20	0.25276	hyper	sig	chr12_53945040
chr14	76905127	76905127	+	3.811E-21	9.8117E-20	-0.26058	hypo	sig	chr14_76905127
chr3	1.84E+08	184491634	+	3.811E-21	9.8117E-20	0.275693	hyper	sig	chr3_184491634
chr6	33800174	33800174	+	3.812E-21	9.8132E-20	-0.33927	hypo	sig	chr6_33800174
chr19	55118646	55118646	+	3.816E-21	9.8229E-20	0.232342	hyper	sig	chr19_55118646
chr5	88689992	88689992	+	3.816E-21	9.8235E-20	0.298359	hyper	sig	chr5_88689992
chr14	28774213	28774213	+	3.818E-21	9.8271E-20	0.263388	hyper	sig	chr14_28774213
chr6	1.68E+08	168180890	+	3.818E-21	9.8273E-20	-0.30254	hypo	sig	chr6_168180890
chr5	1.48E+08	147508993	+	3.822E-21	9.8367E-20	0.39975	hyper	sig	chr5_147508993
chr13	1.1E+08	110341253	+	3.823E-21	9.8394E-20	0.31674	hyper	sig	chr13_110341253
chr1	2.29E+08	229432655	+	3.823E-21	9.8399E-20	0.312551	hyper	sig	chr1_229432655
chr3	14823325	14823325	+	3.829E-21	9.8557E-20	-0.30922	hypo	sig	chr3_14823325
chr4	1.85E+08	185018908	+	3.83E-21	9.8584E-20	0.224014	hyper	sig	chr4_185018908
chr7	2734941	2734941	+	3.832E-21	9.8633E-20	0.301989	hyper	sig	chr7_2734941
chr7	44144804	44144804	+	3.838E-21	9.8785E-20	-0.23767	hypo	sig	chr7_44144804
chr15	99431271	99431271	+	3.84E-21	9.8815E-20	-0.29679	hypo	sig	chr15_99431271
chr7	27106405	27106405	+	3.842E-21	9.8878E-20	0.327991	hyper	sig	chr7_27106405
chr13	1.13E+08	113413780	+	3.844E-21	9.8915E-20	0.279437	hyper	sig	chr13_113413780
chr16	86495188	86495188	+	3.847E-21	9.8992E-20	0.393913	hyper	sig	chr16_86495188
chr3	1.96E+08	195804770	+	3.851E-21	9.9091E-20	-0.26567	hypo	sig	chr3_195804770
chr2	10332102	10332102	+	3.852E-21	9.9106E-20	-0.26369	hypo	sig	chr2_10332102
chr5	1.35E+08	135038794	+	3.853E-21	9.9129E-20	0.295448	hyper	sig	chr5_135038794
chr4	1.72E+08	171812880	+	3.854E-21	9.9148E-20	0.279637	hyper	sig	chr4_171812880
chr16	29184594	29184594	+	3.861E-21	9.933E-20	-0.25366	hypo	sig	chr16_29184594
chr16	56190897	56190897	+	3.862E-21	9.9364E-20	0.264261	hyper	sig	chr16_56190897
chr20	41366942	41366942	+	3.863E-21	9.9365E-20	0.245196	hyper	sig	chr20_41366942
chr3	27723930	27723930	+	3.866E-21	9.9456E-20	0.266334	hyper	sig	chr3_27723930
chr2	2.18E+08	218382332	+	3.871E-21	9.9573E-20	-0.25232	hypo	sig	chr2_218382332
chr19	5245902	5245902	+	3.871E-21	9.9576E-20	-0.32466	hypo	sig	chr19_5245902
chr7	45575738	45575738	+	3.873E-21	9.9622E-20	0.20958	hyper	sig	chr7_45575738
chr7	1.5E+08	150047992	+	3.885E-21	9.9918E-20	0.263801	hyper	sig	chr7_150047992
chr19	1272837	1272837	+	3.886E-21	9.9949E-20	0.257423	hyper	sig	chr19_1272837
chr6	93282762	93282762	+	3.889E-21	1.0003E-19	-0.25675	hypo	sig	chr6_93282762
chr7	1700871	1700871	+	3.89E-21	1.0003E-19	-0.27992	hypo	sig	chr7_1700871
chr22	50040297	50040297	+	3.892E-21	1.001E-19	-0.22996	hypo	sig	chr22_50040297
chr8	71556371	71556371	+	3.893E-21	1.001E-19	0.316767	hyper	sig	chr8_71556371
chr7	63349038	63349038	+	3.899E-21	1.0026E-19	-0.30702	hypo	sig	chr7_63349038
chr10	81876493	81876493	+	3.9E-21	1.0028E-19	0.252736	hyper	sig	chr10_81876493
chr22	16602845	16602845	+	3.901E-21	1.003E-19	0.332614	hyper	sig	chr22_16602845
chr16	29289431	29289431	+	3.901E-21	1.0032E-19	-0.30692	hypo	sig	chr16_29289431
chr6	83854191	83854191	+	3.907E-21	1.0046E-19	0.346446	hyper	sig	chr6_83854191
chr11	487671	487671	+	3.914E-21	1.0062E-19	0.363381	hyper	sig	chr11_487671
chr1	1127427	1127427	+	3.921E-21	1.0081E-19	-0.29275	hypo	sig	chr1_1127427
chr4	5886323	5886323	+	3.923E-21	1.0086E-19	-0.28394	hypo	sig	chr4_5886323
chr12	81077955	81077955	+	3.925E-21	1.009E-19	0.275965	hyper	sig	chr12_81077955
chr14	1.03E+08	103102134	+	3.925E-21	1.009E-19	0.256619	hyper	sig	chr14_103102134
chr13	1.12E+08	111918245	+	3.926E-21	1.0091E-19	-0.27565	hypo	sig	chr13_111918245
chr17	40779671	40779671	+	3.927E-21	1.0096E-19	0.27064	hyper	sig	chr17_40779671
chr3	1.47E+08	147397318	+	3.929E-21	1.01E-19	0.312906	hyper	sig	chr3_147397318
chr7	90597078	90597078	+	3.93E-21	1.0103E-19	0.246221	hyper	sig	chr7_90597078
chr6	1.5E+08	150037760	+	3.931E-21	1.0104E-19	0.28367	hyper	sig	chr6_150037760

chr8	48581351	48581351	+	3.933E-21	1.0109E-19	0.300751	hyper	sig	chr8_48581351
chr11	32433646	32433646	+	3.934E-21	1.0111E-19	0.296519	hyper	sig	chr11_32433646
chr11	44309582	44309582	+	3.934E-21	1.0112E-19	0.231744	hyper	sig	chr11_44309582
chr20	58515291	58515291	+	3.943E-21	1.0132E-19	0.324796	hyper	sig	chr20_58515291
chr12	1.29E+08	128854249	+	3.943E-21	1.0132E-19	0.273536	hyper	sig	chr12_128854249
chr13	36130910	36130910	+	3.944E-21	1.0134E-19	0.313354	hyper	sig	chr13_36130910
chr13	36672999	36672999	+	3.951E-21	1.0152E-19	-0.35201	hypo	sig	chr13_36672999
chr2	2.22E+08	222304065	+	3.951E-21	1.0153E-19	0.224118	hyper	sig	chr2_222304065
chr12	6703976	6703976	+	3.957E-21	1.0166E-19	-0.29993	hypo	sig	chr12_6703976
chr17	56597793	56597793	+	3.957E-21	1.0166E-19	0.279867	hyper	sig	chr17_56597793
chr13	42562689	42562689	+	3.958E-21	1.017E-19	-0.28417	hypo	sig	chr13_42562689
chr7	1.56E+08	155510185	+	3.959E-21	1.0171E-19	0.244301	hyper	sig	chr7_155510185
chr4	1.09E+08	109302670	+	3.965E-21	1.0187E-19	0.297991	hyper	sig	chr4_109302670
chr1	16693683	16693683	+	3.966E-21	1.0189E-19	0.264059	hyper	sig	chr1_16693683
chr1	2.36E+08	236399726	+	3.967E-21	1.0191E-19	-0.27773	hypo	sig	chr1_236399726
chr19	58440764	58440764	+	3.968E-21	1.0193E-19	0.28064	hyper	sig	chr19_58440764
chr19	48640145	48640145	+	3.974E-21	1.0209E-19	-0.35769	hypo	sig	chr19_48640145
chr1	1.8E+08	179744061	+	3.979E-21	1.0221E-19	0.292138	hyper	sig	chr1_179744061
chr5	1.79E+08	179344817	+	3.979E-21	1.0222E-19	0.341618	hyper	sig	chr5_179344817
chr6	1.08E+08	108166623	+	3.979E-21	1.0222E-19	0.242037	hyper	sig	chr6_108166623
chr8	6594653	6594653	+	3.98E-21	1.0223E-19	0.351427	hyper	sig	chr8_6594653
chr19	46785006	46785006	+	3.981E-21	1.0226E-19	-0.2109	hypo	sig	chr19_46785006
chr6	33975990	33975990	+	3.983E-21	1.023E-19	0.277953	hyper	sig	chr6_33975990
chr8	26048207	26048207	+	3.991E-21	1.0251E-19	0.280522	hyper	sig	chr8_26048207
chr17	34039508	34039508	+	3.995E-21	1.0259E-19	0.299551	hyper	sig	chr17_34039508
chr15	74133725	74133725	+	3.995E-21	1.026E-19	0.350152	hyper	sig	chr15_74133725
chr11	1152559	1152559	+	3.996E-21	1.0261E-19	-0.24953	hypo	sig	chr11_1152559
chr10	1.29E+08	129033176	+	3.998E-21	1.0266E-19	0.273422	hyper	sig	chr10_129033176
chr22	20158743	20158743	+	4.001E-21	1.0274E-19	-0.31713	hypo	sig	chr22_20158743
chr6	6623345	6623345	+	4.001E-21	1.0274E-19	-0.25432	hypo	sig	chr6_6623345
chr6	1.69E+08	169140607	+	4.004E-21	1.028E-19	-0.24973	hypo	sig	chr6_169140607
chr12	54006683	54006683	+	4.004E-21	1.028E-19	-0.23997	hypo	sig	chr12_54006683
chr5	42945074	42945074	+	4.007E-21	1.0289E-19	-0.30711	hypo	sig	chr5_42945074
chr1	20473312	20473312	+	4.012E-21	1.0299E-19	0.261408	hyper	sig	chr1_20473312
chr7	1645070	1645070	+	4.014E-21	1.0304E-19	-0.34792	hypo	sig	chr7_1645070
chr9	1.21E+08	121282909	+	4.016E-21	1.031E-19	0.273434	hyper	sig	chr9_121282909
chr1	39671417	39671417	+	4.022E-21	1.0326E-19	0.368342	hyper	sig	chr1_39671417
chr13	1.11E+08	110628650	+	4.024E-21	1.0329E-19	0.256375	hyper	sig	chr13_110628650
chr8	30442781	30442781	+	4.025E-21	1.0332E-19	0.320537	hyper	sig	chr8_30442781
chr8	24914798	24914798	+	4.025E-21	1.0332E-19	0.255677	hyper	sig	chr8_24914798
chr16	89817700	89817700	+	4.03E-21	1.0345E-19	-0.259	hypo	sig	chr16_89817700
chr10	510765	510765	+	4.032E-21	1.035E-19	0.313589	hyper	sig	chr10_510765
chr5	83473278	83473278	+	4.036E-21	1.0359E-19	0.235053	hyper	sig	chr5_83473278
chr2	1.05E+08	105144503	+	4.038E-21	1.0363E-19	0.341212	hyper	sig	chr2_105144503
chr1	2.21E+08	220887526	+	4.052E-21	1.0398E-19	0.293129	hyper	sig	chr1_220887526
chr2	2.28E+08	228181694	+	4.052E-21	1.0398E-19	0.356327	hyper	sig	chr2_228181694
chr2	2.27E+08	227460302	+	4.053E-21	1.0402E-19	-0.29273	hypo	sig	chr2_227460302
chr11	31805536	31805536	+	4.055E-21	1.0405E-19	0.27784	hyper	sig	chr11_31805536
chr5	73301188	73301188	+	4.055E-21	1.0405E-19	0.257935	hyper	sig	chr5_73301188
chr3	6862927	6862927	+	4.058E-21	1.0412E-19	0.364554	hyper	sig	chr3_6862927
chr2	74516332	74516332	+	4.059E-21	1.0415E-19	0.222026	hyper	sig	chr2_74516332
chr20	25246901	25246901	+	4.061E-21	1.0421E-19	-0.33592	hypo	sig	chr20_25246901
chr11	1.12E+08	111514978	+	4.062E-21	1.0421E-19	0.286806	hyper	sig	chr11_111514978
chr5	88672300	88672300	+	4.062E-21	1.0421E-19	0.256843	hyper	sig	chr5_88672300
chr17	45897474	45897474	+	4.063E-21	1.0425E-19	0.30268	hyper	sig	chr17_45897474
chr8	23064611	23064611	+	4.067E-21	1.0433E-19	-0.28048	hypo	sig	chr8_23064611

chr11	6319268	6319268	+	4.077E-21	1.0458E-19	0.278124	hyper	sig	chr11_6319268
chr12	1.15E+08	114699977	+	4.084E-21	1.0478E-19	0.302823	hyper	sig	chr12_114699977
chr22	50190636	50190636	+	4.088E-21	1.0487E-19	0.202302	hyper	sig	chr22_50190636
chr17	41527461	41527461	+	4.097E-21	1.0509E-19	-0.22533	hypo	sig	chr17_41527461
chr8	1.23E+08	123072125	+	4.097E-21	1.0509E-19	-0.25771	hypo	sig	chr8_123072125
chr19	49802815	49802815	+	4.1E-21	1.0515E-19	0.297929	hyper	sig	chr19_49802815
chr2	2.19E+08	218982474	+	4.107E-21	1.0535E-19	0.219191	hyper	sig	chr2_218982474
chr2	2.41E+08	240646457	+	4.108E-21	1.0535E-19	-0.29137	hypo	sig	chr2_240646457
chr15	79282489	79282489	+	4.108E-21	1.0535E-19	0.237232	hyper	sig	chr15_79282489
chr19	49050468	49050468	+	4.111E-21	1.0543E-19	-0.34036	hypo	sig	chr19_49050468
chr11	20160517	20160517	+	4.112E-21	1.0546E-19	0.293173	hyper	sig	chr11_20160517
chr9	970307	970307	+	4.116E-21	1.0556E-19	0.31313	hyper	sig	chr9_970307
chr3	13637666	13637666	+	4.117E-21	1.0556E-19	-0.24982	hypo	sig	chr3_13637666
chr1	21325805	21325805	+	4.118E-21	1.056E-19	0.242373	hyper	sig	chr1_21325805
chr3	49686113	49686113	+	4.12E-21	1.0564E-19	0.324376	hyper	sig	chr3_49686113
chr10	1.33E+08	132832749	+	4.122E-21	1.057E-19	0.288187	hyper	sig	chr10_132832749
chr22	37983499	37983499	+	4.123E-21	1.0572E-19	0.349746	hyper	sig	chr22_37983499
chr2	5693082	5693082	+	4.126E-21	1.058E-19	0.379158	hyper	sig	chr2_5693082
chr1	2.15E+08	215083531	+	4.128E-21	1.0582E-19	0.284015	hyper	sig	chr1_215083531
chr18	69400558	69400558	+	4.128E-21	1.0582E-19	0.308525	hyper	sig	chr18_69400558
chr20	63319488	63319488	+	4.131E-21	1.059E-19	-0.29084	hypo	sig	chr20_63319488
chr11	637128	637128	+	4.133E-21	1.0596E-19	0.301369	hyper	sig	chr11_637128
chr2	1.19E+08	119156746	+	4.134E-21	1.0597E-19	0.250084	hyper	sig	chr2_119156746
chr16	15148990	15148990	+	4.136E-21	1.0601E-19	0.303547	hyper	sig	chr16_15148990
chr3	1.41E+08	141051843	+	4.136E-21	1.0602E-19	0.203742	hyper	sig	chr3_141051843
chr5	64506513	64506513	+	4.14E-21	1.0612E-19	0.237143	hyper	sig	chr5_64506513
chr8	64371482	64371482	+	4.145E-21	1.0623E-19	0.299348	hyper	sig	chr8_64371482
chr19	42529210	42529210	+	4.147E-21	1.063E-19	-0.30222	hypo	sig	chr19_42529210
chr16	86578967	86578967	+	4.148E-21	1.0632E-19	0.308177	hyper	sig	chr16_86578967
chr9	93960827	93960827	+	4.149E-21	1.0634E-19	0.288149	hyper	sig	chr9_93960827
chr15	88255663	88255663	+	4.154E-21	1.0647E-19	0.246204	hyper	sig	chr15_88255663
chr19	17329127	17329127	+	4.161E-21	1.0664E-19	0.223076	hyper	sig	chr19_17329127
chr3	1.25E+08	125141990	+	4.162E-21	1.0665E-19	0.249128	hyper	sig	chr3_125141990
chr1	44416712	44416712	+	4.164E-21	1.0672E-19	-0.35607	hypo	sig	chr1_44416712
chr8	54454257	54454257	+	4.165E-21	1.0673E-19	0.334031	hyper	sig	chr8_54454257
chr11	49889834	49889834	+	4.168E-21	1.0681E-19	-0.27021	hypo	sig	chr11_49889834
chr11	1.11E+08	111284017	+	4.169E-21	1.0682E-19	-0.2612	hypo	sig	chr11_111284017
chr5	1201546	1201546	+	4.171E-21	1.0688E-19	-0.279	hypo	sig	chr5_1201546
chr20	58514959	58514959	+	4.172E-21	1.0689E-19	0.387917	hyper	sig	chr20_58514959
chr6	13014877	13014877	+	4.173E-21	1.069E-19	0.282611	hyper	sig	chr6_13014877
chr7	27118190	27118190	+	4.175E-21	1.0697E-19	0.346909	hyper	sig	chr7_27118190
chr1	2.28E+08	228465363	+	4.177E-21	1.0702E-19	0.269337	hyper	sig	chr1_228465363
chr6	1.5E+08	150037780	+	4.181E-21	1.0709E-19	0.248622	hyper	sig	chr6_150037780
chr5	5140813	5140813	+	4.183E-21	1.0715E-19	0.319336	hyper	sig	chr5_5140813
chr7	90119376	90119376	+	4.184E-21	1.0718E-19	0.251532	hyper	sig	chr7_90119376
chr20	63521819	63521819	+	4.19E-21	1.0734E-19	0.335702	hyper	sig	chr20_63521819
chr13	1.12E+08	111893272	+	4.196E-21	1.0747E-19	0.400909	hyper	sig	chr13_111893272
chr16	1169454	1169454	+	4.2E-21	1.0758E-19	0.308059	hyper	sig	chr16_1169454
chr6	33976095	33976095	+	4.202E-21	1.0761E-19	0.345682	hyper	sig	chr6_33976095
chr19	53132883	53132883	+	4.202E-21	1.0762E-19	0.27561	hyper	sig	chr19_53132883
chr13	36430898	36430898	+	4.202E-21	1.0762E-19	0.259474	hyper	sig	chr13_36430898
chr2	951477	951477	+	4.204E-21	1.0765E-19	0.312422	hyper	sig	chr2_951477
chr4	37889768	37889768	+	4.204E-21	1.0766E-19	0.278805	hyper	sig	chr4_37889768
chr19	35797846	35797846	+	4.205E-21	1.0768E-19	0.263243	hyper	sig	chr19_35797846
chr10	49613472	49613472	+	4.206E-21	1.0771E-19	0.278352	hyper	sig	chr10_49613472
chr18	75455497	75455497	+	4.207E-21	1.0773E-19	0.254904	hyper	sig	chr18_75455497

chr3	6862608	6862608	+	4.212E-21	1.0786E-19	0.293428	hyper	sig	chr3_6862608
chr1	1.47E+08	147050909	+	4.213E-21	1.0786E-19	-0.22298	hypo	sig	chr1_147050909
chr2	27049574	27049574	+	4.213E-21	1.0786E-19	0.29493	hyper	sig	chr2_27049574
chr4	1.11E+08	110612775	+	4.215E-21	1.0793E-19	0.234865	hyper	sig	chr4_110612775
chr6	32096376	32096376	+	4.218E-21	1.08E-19	0.303379	hyper	sig	chr6_32096376
chr14	1.01E+08	101077864	+	4.219E-21	1.0801E-19	0.268477	hyper	sig	chr14_101077864
chr13	87671798	87671798	+	4.222E-21	1.0809E-19	0.320348	hyper	sig	chr13_87671798
chr16	85196008	85196008	+	4.227E-21	1.0821E-19	0.279296	hyper	sig	chr16_85196008
chr10	1.04E+08	103605833	+	4.229E-21	1.0826E-19	0.291449	hyper	sig	chr10_103605833
chr13	20713146	20713146	+	4.231E-21	1.083E-19	-0.28301	hypo	sig	chr13_20713146
chr5	1.76E+08	175796513	+	4.232E-21	1.0832E-19	0.321656	hyper	sig	chr5_175796513
chr7	2630317	2630317	+	4.235E-21	1.084E-19	-0.25787	hypo	sig	chr7_2630317
chr3	1.8E+08	180037443	+	4.248E-21	1.0874E-19	0.3761	hyper	sig	chr3_180037443
chr19	33372945	33372945	+	4.255E-21	1.0892E-19	-0.30411	hypo	sig	chr19_33372945
chr17	5499861	5499861	+	4.256E-21	1.0894E-19	0.293043	hyper	sig	chr17_5499861
chr5	17654485	17654485	+	4.261E-21	1.0906E-19	-0.33654	hypo	sig	chr5_17654485
chr17	34157042	34157042	+	4.263E-21	1.0911E-19	0.233753	hyper	sig	chr17_34157042
chr15	68555905	68555905	+	4.264E-21	1.0914E-19	-0.27125	hypo	sig	chr15_68555905
chr5	6448918	6448918	+	4.268E-21	1.0923E-19	0.200741	hyper	sig	chr5_6448918
chr20	21106165	21106165	+	4.27E-21	1.0926E-19	0.33714	hyper	sig	chr20_21106165
chr13	36298109	36298109	+	4.271E-21	1.0929E-19	0.206863	hyper	sig	chr13_36298109
chr9	77014752	77014752	+	4.276E-21	1.0941E-19	0.313231	hyper	sig	chr9_77014752
chr16	29220823	29220823	+	4.277E-21	1.0944E-19	0.313208	hyper	sig	chr16_29220823
chr18	52339965	52339965	+	4.282E-21	1.0955E-19	0.208204	hyper	sig	chr18_52339965
chr11	3000970	3000970	+	4.286E-21	1.0965E-19	0.24177	hyper	sig	chr11_3000970
chr5	1886814	1886814	+	4.288E-21	1.0972E-19	0.352516	hyper	sig	chr5_1886814
chr5	88689780	88689780	+	4.289E-21	1.0972E-19	0.307507	hyper	sig	chr5_88689780
chr16	62035890	62035890	+	4.29E-21	1.0975E-19	0.333629	hyper	sig	chr16_62035890
chr5	1.41E+08	141200062	+	4.293E-21	1.0982E-19	0.308708	hyper	sig	chr5_141200062
chr7	1233776	1233776	+	4.302E-21	1.1005E-19	0.370967	hyper	sig	chr7_1233776
chr1	1.56E+08	156076650	+	4.302E-21	1.1006E-19	0.355901	hyper	sig	chr1_156076650
chr6	30163145	30163145	+	4.31E-21	1.1025E-19	-0.2699	hypo	sig	chr6_30163145
chr12	72271459	72271459	+	4.323E-21	1.1059E-19	0.352841	hyper	sig	chr12_72271459
chr1	3067961	3067961	+	4.325E-21	1.1063E-19	0.244869	hyper	sig	chr1_3067961
chr1	7782333	7782333	+	4.326E-21	1.1065E-19	-0.33019	hypo	sig	chr1_7782333
chr2	1.89E+08	188610442	+	4.335E-21	1.1088E-19	-0.31355	hypo	sig	chr2_188610442
chr8	22589687	22589687	+	4.336E-21	1.1088E-19	0.370711	hyper	sig	chr8_22589687
chr3	79767251	79767251	+	4.343E-21	1.1106E-19	0.416037	hyper	sig	chr3_79767251
chr19	12513956	12513956	+	4.345E-21	1.1111E-19	0.299647	hyper	sig	chr19_12513956
chr13	1.14E+08	114027278	+	4.346E-21	1.1113E-19	0.386644	hyper	sig	chr13_114027278
chr2	2.28E+08	228182985	+	4.348E-21	1.1118E-19	-0.26224	hypo	sig	chr2_228182985
chr10	5558842	5558842	+	4.35E-21	1.1124E-19	0.238174	hyper	sig	chr10_5558842
chr3	84958727	84958727	+	4.353E-21	1.1131E-19	0.20917	hyper	sig	chr3_84958727
chr20	61822896	61822896	+	4.354E-21	1.1134E-19	-0.28505	hypo	sig	chr20_61822896
chr1	75134706	75134706	+	4.355E-21	1.1134E-19	0.23282	hyper	sig	chr1_75134706
chr1	1.19E+08	118999536	+	4.356E-21	1.1138E-19	0.354067	hyper	sig	chr1_118999536
chr7	8443685	8443685	+	4.359E-21	1.1144E-19	0.321794	hyper	sig	chr7_8443685
chr16	3189349	3189349	+	4.359E-21	1.1145E-19	0.283914	hyper	sig	chr16_3189349
chr19	1468467	1468467	+	4.363E-21	1.1153E-19	0.262731	hyper	sig	chr19_1468467
chr4	7965603	7965603	+	4.371E-21	1.1174E-19	-0.29599	hypo	sig	chr4_7965603
chr10	1.32E+08	132138269	+	4.379E-21	1.1194E-19	-0.27322	hypo	sig	chr10_132138269
chr11	32427913	32427913	+	4.382E-21	1.1201E-19	0.348892	hyper	sig	chr11_32427913
chr5	6411843	6411843	+	4.383E-21	1.1204E-19	-0.27522	hypo	sig	chr5_6411843
chr5	77639181	77639181	+	4.385E-21	1.1208E-19	0.325526	hyper	sig	chr5_77639181
chr13	1.13E+08	113051587	+	4.386E-21	1.1211E-19	0.268193	hyper	sig	chr13_113051587
chr12	1.01E+08	101209551	+	4.39E-21	1.1219E-19	0.34604	hyper	sig	chr12_101209551

chr6	27260413	27260413	+	4.396E-21	1.1236E-19	0.271642	hyper	sig	chr6_27260413
chr10	1.33E+08	133230108	+	4.398E-21	1.124E-19	0.264375	hyper	sig	chr10_133230108
chr2	2.41E+08	240558320	+	4.4E-21	1.1246E-19	0.269374	hyper	sig	chr2_240558320
chr12	70920672	70920672	+	4.408E-21	1.1265E-19	0.344893	hyper	sig	chr12_70920672
chr2	1.27E+08	126656421	+	4.411E-21	1.1271E-19	0.318487	hyper	sig	chr2_126656421
chr3	1.28E+08	128496722	+	4.412E-21	1.1273E-19	0.326537	hyper	sig	chr3_128496722
chr12	1.11E+08	111033521	+	4.412E-21	1.1273E-19	0.333764	hyper	sig	chr12_111033521
chr3	1.38E+08	138009487	+	4.413E-21	1.1276E-19	-0.31096	hypo	sig	chr3_138009487
chr2	2.42E+08	241771470	+	4.421E-21	1.1295E-19	0.329524	hyper	sig	chr2_241771470
chr12	53931139	53931139	+	4.421E-21	1.1295E-19	0.312281	hyper	sig	chr12_53931139
chr5	2748041	2748041	+	4.425E-21	1.1304E-19	0.308327	hyper	sig	chr5_2748041
chr1	3437903	3437903	+	4.429E-21	1.1315E-19	-0.30043	hypo	sig	chr1_3437903
chr12	53930803	53930803	+	4.441E-21	1.1344E-19	0.245135	hyper	sig	chr12_53930803
chr7	71133303	71133303	+	4.443E-21	1.1349E-19	0.319937	hyper	sig	chr7_71133303
chr2	1.54E+08	153871405	+	4.448E-21	1.1361E-19	0.339837	hyper	sig	chr2_153871405
chr12	1.13E+08	113464489	+	4.453E-21	1.1374E-19	0.276535	hyper	sig	chr12_113464489
chr17	44967306	44967306	+	4.456E-21	1.1382E-19	0.207889	hyper	sig	chr17_44967306
chr13	36432216	36432216	+	4.461E-21	1.1393E-19	0.250155	hyper	sig	chr13_36432216
chr4	92305372	92305372	+	4.461E-21	1.1394E-19	0.248044	hyper	sig	chr4_92305372
chr10	1.05E+08	104639179	+	4.464E-21	1.1402E-19	0.368249	hyper	sig	chr10_104639179
chr3	1.97E+08	196739581	+	4.467E-21	1.1408E-19	0.259507	hyper	sig	chr3_196739581
chr19	3136517	3136517	+	4.469E-21	1.1413E-19	-0.25143	hypo	sig	chr19_3136517
chr5	1.47E+08	146880420	+	4.471E-21	1.1418E-19	-0.20995	hypo	sig	chr5_146880420
chr1	1.02E+08	101996504	+	4.472E-21	1.142E-19	0.333319	hyper	sig	chr1_101996504
chr21	36710779	36710779	+	4.475E-21	1.1427E-19	0.299944	hyper	sig	chr21_36710779
chr11	61516949	61516949	+	4.477E-21	1.1433E-19	0.270776	hyper	sig	chr11_61516949
chr10	1.32E+08	132295110	+	4.479E-21	1.1436E-19	-0.2784	hypo	sig	chr10_132295110
chr6	33069719	33069719	+	4.489E-21	1.146E-19	-0.28204	hypo	sig	chr6_33069719
chr1	36321049	36321049	+	4.489E-21	1.1462E-19	0.252849	hyper	sig	chr1_36321049
chr10	1.01E+08	101227584	+	4.491E-21	1.1465E-19	0.254351	hyper	sig	chr10_101227584
chr5	38557417	38557417	+	4.497E-21	1.1481E-19	0.258426	hyper	sig	chr5_38557417
chr20	24470785	24470785	+	4.499E-21	1.1486E-19	0.237596	hyper	sig	chr20_24470785
chr2	2.41E+08	240672652	+	4.502E-21	1.1493E-19	0.331148	hyper	sig	chr2_240672652
chr6	1.12E+08	112054130	+	4.509E-21	1.1509E-19	-0.28924	hypo	sig	chr6_112054130
chr8	56113696	56113696	+	4.509E-21	1.151E-19	0.281879	hyper	sig	chr8_56113696
chr17	44384898	44384898	+	4.521E-21	1.1539E-19	0.360795	hyper	sig	chr17_44384898
chr8	1.16E+08	115667550	+	4.525E-21	1.1549E-19	0.315108	hyper	sig	chr8_115667550
chr19	53308659	53308659	+	4.528E-21	1.1556E-19	0.273222	hyper	sig	chr19_53308659
chr9	1.21E+08	120894531	+	4.528E-21	1.1556E-19	0.452916	hyper	sig	chr9_120894531
chr6	15505279	15505279	+	4.529E-21	1.1559E-19	0.34439	hyper	sig	chr6_15505279
chr17	19470879	19470879	+	4.532E-21	1.1565E-19	0.31355	hyper	sig	chr17_19470879
chr14	1.04E+08	103523438	+	4.542E-21	1.1589E-19	0.285943	hyper	sig	chr14_103523438
chr7	1.59E+08	159144036	+	4.542E-21	1.1591E-19	0.303126	hyper	sig	chr7_159144036
chr1	3650746	3650746	+	4.544E-21	1.1594E-19	0.291596	hyper	sig	chr1_3650746
chr1	2.34E+08	233615431	+	4.545E-21	1.1597E-19	-0.27646	hypo	sig	chr1_233615431
chr11	1.12E+08	111540153	+	4.545E-21	1.1598E-19	0.371924	hyper	sig	chr11_111540153
chr7	4725346	4725346	+	4.551E-21	1.1612E-19	0.289768	hyper	sig	chr7_4725346
chr12	4909454	4909454	+	4.552E-21	1.1614E-19	0.321696	hyper	sig	chr12_4909454
chr11	69891762	69891762	+	4.558E-21	1.1627E-19	-0.26924	hypo	sig	chr11_69891762
chr16	89052594	89052594	+	4.557E-21	1.1627E-19	-0.43219	hypo	sig	chr16_89052594
chr7	35186824	35186824	+	4.569E-21	1.1656E-19	0.250563	hyper	sig	chr7_35186824
chr17	38841215	38841215	+	4.572E-21	1.1662E-19	0.322677	hyper	sig	chr17_38841215
chr7	6160489	6160489	+	4.573E-21	1.1666E-19	0.367292	hyper	sig	chr7_6160489
chr10	1.24E+08	124381225	+	4.58E-21	1.1684E-19	-0.25862	hypo	sig	chr10_124381225
chr12	53952078	53952078	+	4.59E-21	1.1708E-19	0.240005	hyper	sig	chr12_53952078
chr5	1.78E+08	178144041	+	4.59E-21	1.1709E-19	0.282111	hyper	sig	chr5_178144041

chr13	25095985	25095985	+	4.594E-21	1.1716E-19	0.295973	hyper	sig	chr13_25095985
chr16	31371667	31371667	+	4.595E-21	1.172E-19	-0.31125	hypo	sig	chr16_31371667
chr6	32089564	32089564	+	4.597E-21	1.1723E-19	-0.29653	hypo	sig	chr6_32089564
chr1	939331	939331	+	4.607E-21	1.1748E-19	-0.29253	hypo	sig	chr1_939331
chr3	64268103	64268103	+	4.607E-21	1.1748E-19	0.289624	hyper	sig	chr3_64268103
chr6	28810984	28810984	+	4.608E-21	1.175E-19	0.25835	hyper	sig	chr6_28810984
chr12	45051042	45051042	+	4.611E-21	1.1759E-19	0.30431	hyper	sig	chr12_45051042
chr12	49961527	49961527	+	4.612E-21	1.1761E-19	0.3081	hyper	sig	chr12_49961527
chr8	1.44E+08	143891676	+	4.617E-21	1.1773E-19	-0.28947	hypo	sig	chr8_143891676
chr11	22193758	22193758	+	4.642E-21	1.1836E-19	0.227259	hyper	sig	chr11_22193758
chr2	96685359	96685359	+	4.644E-21	1.184E-19	0.362377	hyper	sig	chr2_96685359
chr14	85532264	85532264	+	4.646E-21	1.1845E-19	0.236676	hyper	sig	chr14_85532264
chr1	2.08E+08	207823675	+	4.646E-21	1.1845E-19	0.251242	hyper	sig	chr1_207823675
chr9	91992771	91992771	+	4.646E-21	1.1845E-19	-0.31822	hypo	sig	chr9_91992771
chr2	1.87E+08	186849197	+	4.649E-21	1.1852E-19	0.248876	hyper	sig	chr2_186849197
chr10	1.18E+08	117734983	+	4.65E-21	1.1854E-19	0.258808	hyper	sig	chr10_117734983
chr12	52258951	52258951	+	4.652E-21	1.1859E-19	0.329833	hyper	sig	chr12_52258951
chr14	77140649	77140649	+	4.659E-21	1.1875E-19	0.3117	hyper	sig	chr14_77140649
chr5	33892521	33892521	+	4.661E-21	1.188E-19	0.343105	hyper	sig	chr5_33892521
chr19	57099475	57099475	+	4.661E-21	1.1882E-19	0.367884	hyper	sig	chr19_57099475
chr16	86518652	86518652	+	4.663E-21	1.1886E-19	0.278415	hyper	sig	chr16_86518652
chr19	7505381	7505381	+	4.665E-21	1.1889E-19	-0.26367	hypo	sig	chr19_7505381
chr7	24285440	24285440	+	4.666E-21	1.1893E-19	0.284124	hyper	sig	chr7_24285440
chr2	16511310	16511310	+	4.682E-21	1.1934E-19	-0.26548	hypo	sig	chr2_16511310
chr14	94861499	94861499	+	4.685E-21	1.194E-19	-0.37807	hypo	sig	chr14_94861499
chr7	28410336	28410336	+	4.688E-21	1.1948E-19	0.219624	hyper	sig	chr7_28410336
chr2	2.22E+08	222298869	+	4.69E-21	1.195E-19	0.265399	hyper	sig	chr2_222298869
chr17	41316151	41316151	+	4.703E-21	1.1985E-19	-0.3245	hypo	sig	chr17_41316151
chr5	1883128	1883128	+	4.703E-21	1.1985E-19	0.293676	hyper	sig	chr5_1883128
chr12	95944260	95944260	+	4.709E-21	1.2E-19	-0.25896	hypo	sig	chr12_95944260
chr10	80535746	80535746	+	4.713E-21	1.2008E-19	-0.24053	hypo	sig	chr10_80535746
chr5	1931331	1931331	+	4.716E-21	1.2015E-19	0.278486	hyper	sig	chr5_1931331
chr5	1885439	1885439	+	4.716E-21	1.2015E-19	0.327173	hyper	sig	chr5_1885439
chr11	32428555	32428555	+	4.722E-21	1.2029E-19	0.346002	hyper	sig	chr11_32428555
chr6	28490134	28490134	+	4.727E-21	1.2042E-19	0.255881	hyper	sig	chr6_28490134
chr5	88678333	88678333	+	4.734E-21	1.206E-19	0.298638	hyper	sig	chr5_88678333
chr10	79240036	79240036	+	4.734E-21	1.2061E-19	0.335006	hyper	sig	chr10_79240036
chr5	1.81E+08	180629580	+	4.738E-21	1.207E-19	-0.26727	hypo	sig	chr5_180629580
chr6	1635567	1635567	+	4.743E-21	1.2082E-19	0.239805	hyper	sig	chr6_1635567
chr1	2.29E+08	229434091	+	4.744E-21	1.2083E-19	0.261934	hyper	sig	chr1_229434091
chr22	31079136	31079136	+	4.745E-21	1.2086E-19	-0.26767	hypo	sig	chr22_31079136
chr20	3663577	3663577	+	4.748E-21	1.2092E-19	-0.29544	hypo	sig	chr20_3663577
chr11	47337711	47337711	+	4.75E-21	1.2098E-19	-0.29962	hypo	sig	chr11_47337711
chr10	97713250	97713250	+	4.752E-21	1.2102E-19	0.265557	hyper	sig	chr10_97713250
chr19	49049458	49049458	+	4.759E-21	1.2121E-19	-0.26634	hypo	sig	chr19_49049458
chr2	11741069	11741069	+	4.762E-21	1.2127E-19	0.207804	hyper	sig	chr2_11741069
chr20	44356298	44356298	+	4.763E-21	1.213E-19	-0.34804	hypo	sig	chr20_44356298
chr19	30451021	30451021	+	4.768E-21	1.2141E-19	0.331379	hyper	sig	chr19_30451021
chr3	68931403	68931403	+	4.769E-21	1.2145E-19	0.243222	hyper	sig	chr3_68931403
chr17	4433799	4433799	+	4.771E-21	1.2149E-19	-0.30359	hypo	sig	chr17_4433799
chr16	57091843	57091843	+	4.773E-21	1.2154E-19	0.28259	hyper	sig	chr16_57091843
chr6	1.5E+08	149965015	+	4.774E-21	1.2155E-19	0.246225	hyper	sig	chr6_149965015
chr10	1.01E+08	101228648	+	4.775E-21	1.2159E-19	0.24734	hyper	sig	chr10_101228648
chr6	50849480	50849480	+	4.781E-21	1.2172E-19	0.328543	hyper	sig	chr6_50849480
chr17	82875636	82875636	+	4.783E-21	1.2177E-19	-0.2508	hypo	sig	chr17_82875636
chr8	1.42E+08	141974089	+	4.783E-21	1.2177E-19	-0.25632	hypo	sig	chr8_141974089

chr22	39646612	39646612	+	4.783E-21	1.2177E-19	-0.34379	hypo	sig	chr22_39646612
chr1	2115540	2115540	+	4.783E-21	1.2177E-19	0.315319	hyper	sig	chr1_2115540
chr11	88363178	88363178	+	4.785E-21	1.2181E-19	-0.34875	hypo	sig	chr11_88363178
chr8	41309539	41309539	+	4.787E-21	1.2186E-19	0.228793	hyper	sig	chr8_41309539
chr3	1.72E+08	172449299	+	4.788E-21	1.2188E-19	0.319216	hyper	sig	chr3_172449299
chr14	60511415	60511415	+	4.79E-21	1.2193E-19	0.292284	hyper	sig	chr14_60511415
chr2	1.19E+08	119158240	+	4.792E-21	1.2196E-19	0.313385	hyper	sig	chr2_119158240
chr19	17079537	17079537	+	4.796E-21	1.2208E-19	0.323096	hyper	sig	chr19_17079537
chr9	1.37E+08	136739712	+	4.806E-21	1.2233E-19	-0.31613	hypo	sig	chr9_136739712
chr13	93228759	93228759	+	4.809E-21	1.2238E-19	0.291485	hyper	sig	chr13_93228759
chr1	1.08E+08	107964768	+	4.81E-21	1.224E-19	0.254953	hyper	sig	chr1_107964768
chr2	1.32E+08	132257067	+	4.811E-21	1.2244E-19	0.346957	hyper	sig	chr2_132257067
chr19	48444331	48444331	+	4.812E-21	1.2245E-19	0.320918	hyper	sig	chr19_48444331
chr1	8027507	8027507	+	4.814E-21	1.2249E-19	-0.25601	hypo	sig	chr1_8027507
chr22	20207042	20207042	+	4.818E-21	1.226E-19	-0.21189	hypo	sig	chr22_20207042
chr5	16180272	16180272	+	4.82E-21	1.2264E-19	0.284563	hyper	sig	chr5_16180272
chr7	4804164	4804164	+	4.822E-21	1.227E-19	-0.29533	hypo	sig	chr7_4804164
chr2	73291963	73291963	+	4.825E-21	1.2277E-19	0.306566	hyper	sig	chr2_73291963
chr15	52794871	52794871	+	4.826E-21	1.2279E-19	0.280575	hyper	sig	chr15_52794871
chr5	1.41E+08	141485073	+	4.834E-21	1.2297E-19	0.336344	hyper	sig	chr5_141485073
chr2	70907456	70907456	+	4.834E-21	1.2299E-19	0.250963	hyper	sig	chr2_70907456
chr12	49961503	49961503	+	4.835E-21	1.23E-19	0.348099	hyper	sig	chr12_49961503
chr5	37839706	37839706	+	4.836E-21	1.2302E-19	0.26279	hyper	sig	chr5_37839706
chr8	23707186	23707186	+	4.84E-21	1.2312E-19	0.274514	hyper	sig	chr8_23707186
chr19	30378127	30378127	+	4.841E-21	1.2313E-19	-0.3229	hypo	sig	chr19_30378127
chr8	13153317	13153317	+	4.847E-21	1.2328E-19	0.262134	hyper	sig	chr8_13153317
chr5	958671	958671	+	4.849E-21	1.2333E-19	-0.32814	hypo	sig	chr5_958671
chr2	63055637	63055637	+	4.851E-21	1.2337E-19	0.321259	hyper	sig	chr2_63055637
chr3	62379118	62379118	+	4.86E-21	1.2359E-19	0.290382	hyper	sig	chr3_62379118
chr7	50304875	50304875	+	4.862E-21	1.2364E-19	0.220123	hyper	sig	chr7_50304875
chr19	3801729	3801729	+	4.873E-21	1.2392E-19	0.247002	hyper	sig	chr19_3801729
chr4	54103546	54103546	+	4.879E-21	1.2408E-19	0.295705	hyper	sig	chr4_54103546
chr4	1.25E+08	125317695	+	4.88E-21	1.241E-19	0.240687	hyper	sig	chr4_125317695
chr14	1.04E+08	103520023	+	4.882E-21	1.2413E-19	0.263782	hyper	sig	chr14_103520023
chr1	12604184	12604184	+	4.882E-21	1.2413E-19	-0.43047	hypo	sig	chr1_12604184
chr12	95956942	95956942	+	4.882E-21	1.2414E-19	0.303743	hyper	sig	chr12_95956942
chr6	37538434	37538434	+	4.896E-21	1.2449E-19	-0.34909	hypo	sig	chr6_37538434
chr1	1.57E+08	156844769	+	4.9E-21	1.2458E-19	0.256516	hyper	sig	chr1_156844769
chr2	468989	468989	+	4.9E-21	1.2459E-19	0.305649	hyper	sig	chr2_468989
chr17	77409724	77409724	+	4.902E-21	1.2462E-19	0.417778	hyper	sig	chr17_77409724
chr1	66752298	66752298	+	4.906E-21	1.2471E-19	0.239675	hyper	sig	chr1_66752298
chr11	44309586	44309586	+	4.908E-21	1.2476E-19	0.221582	hyper	sig	chr11_44309586
chr16	56190868	56190868	+	4.909E-21	1.2478E-19	0.239343	hyper	sig	chr16_56190868
chr12	1.14E+08	113669918	+	4.91E-21	1.248E-19	0.289126	hyper	sig	chr12_113669918
chr10	47349520	47349520	+	4.91E-21	1.2481E-19	-0.26948	hypo	sig	chr10_47349520
chr12	1.22E+08	121918926	+	4.912E-21	1.2485E-19	0.336344	hyper	sig	chr12_121918926
chr7	47315387	47315387	+	4.914E-21	1.249E-19	0.349804	hyper	sig	chr7_47315387
chr9	1.29E+08	129480394	+	4.915E-21	1.2492E-19	0.307958	hyper	sig	chr9_129480394
chr8	740059	740059	+	4.92E-21	1.2505E-19	0.303795	hyper	sig	chr8_740059
chr2	72919909	72919909	+	4.944E-21	1.2564E-19	0.230863	hyper	sig	chr2_72919909
chr14	1.04E+08	103523354	+	4.946E-21	1.2569E-19	0.242317	hyper	sig	chr14_103523354
chr7	5302810	5302810	+	4.946E-21	1.2569E-19	-0.34146	hypo	sig	chr7_5302810
chr4	1.76E+08	176001525	+	4.955E-21	1.2591E-19	0.300971	hyper	sig	chr4_176001525
chr20	43916447	43916447	+	4.963E-21	1.2611E-19	0.282024	hyper	sig	chr20_43916447
chr19	4559768	4559768	+	4.969E-21	1.2627E-19	-0.38146	hypo	sig	chr19_4559768
chr2	71468294	71468294	+	4.973E-21	1.2637E-19	-0.3117	hypo	sig	chr2_71468294

chr2	2.22E+08	222304802	+	4.975E-21	1.2641E-19	0.328926	hyper	sig	chr2_222304802
chr6	52839538	52839538	+	4.977E-21	1.2645E-19	-0.27886	hypo	sig	chr6_52839538
chr6	39793057	39793057	+	4.978E-21	1.2649E-19	0.325447	hyper	sig	chr6_39793057
chr5	1.42E+08	142322808	+	4.979E-21	1.2651E-19	-0.29919	hypo	sig	chr5_142322808
chr15	88255435	88255435	+	4.984E-21	1.2663E-19	0.241311	hyper	sig	chr15_88255435
chr4	1.07E+08	107035936	+	4.989E-21	1.2675E-19	0.321456	hyper	sig	chr4_107035936
chr2	1.61E+08	161417424	+	4.991E-21	1.268E-19	0.278454	hyper	sig	chr2_161417424
chr4	1.54E+08	154490458	+	4.993E-21	1.2683E-19	0.312402	hyper	sig	chr4_154490458
chr17	79199825	79199825	+	4.994E-21	1.2687E-19	-0.39712	hypo	sig	chr17_79199825
chr14	1.03E+08	103102781	+	4.996E-21	1.269E-19	0.321256	hyper	sig	chr14_103102781
chr3	1.35E+08	134651132	+	4.996E-21	1.269E-19	0.224078	hyper	sig	chr3_134651132
chr17	81023531	81023531	+	4.996E-21	1.2691E-19	-0.25621	hypo	sig	chr17_81023531
chr14	69574625	69574625	+	5.001E-21	1.2703E-19	0.211782	hyper	sig	chr14_69574625
chr4	664233	664233	+	5.022E-21	1.2754E-19	0.301796	hyper	sig	chr4_664233
chr2	2.19E+08	219398893	+	5.024E-21	1.2761E-19	-0.25787	hypo	sig	chr2_219398893
chr1	27567414	27567414	+	5.029E-21	1.2771E-19	0.320463	hyper	sig	chr1_27567414
chr7	37849022	37849022	+	5.054E-21	1.2834E-19	-0.3185	hypo	sig	chr7_37849022
chr5	61631884	61631884	+	5.067E-21	1.2868E-19	0.301304	hyper	sig	chr5_61631884
chr20	279257	279257	+	5.069E-21	1.2872E-19	0.400034	hyper	sig	chr20_279257
chr7	27102481	27102481	+	5.073E-21	1.2881E-19	0.357756	hyper	sig	chr7_27102481
chr1	6244418	6244418	+	5.073E-21	1.2881E-19	0.225023	hyper	sig	chr1_6244418
chr2	2.02E+08	202035742	+	5.073E-21	1.2882E-19	0.291524	hyper	sig	chr2_202035742
chr17	4204853	4204853	+	5.075E-21	1.2885E-19	0.324583	hyper	sig	chr17_4204853
chr3	1.41E+08	141052142	+	5.077E-21	1.2891E-19	0.252608	hyper	sig	chr3_141052142
chr6	1.08E+08	108119186	+	5.084E-21	1.2907E-19	0.224649	hyper	sig	chr6_108119186
chr8	26044785	26044785	+	5.085E-21	1.291E-19	0.232184	hyper	sig	chr8_26044785
chr14	36654813	36654813	+	5.088E-21	1.2917E-19	0.285243	hyper	sig	chr14_36654813
chr20	24470487	24470487	+	5.09E-21	1.2921E-19	0.247191	hyper	sig	chr20_24470487
chr1	1.08E+08	107964757	+	5.094E-21	1.2932E-19	0.230183	hyper	sig	chr1_107964757
chr12	1.24E+08	124395478	+	5.099E-21	1.2943E-19	0.218597	hyper	sig	chr12_124395478
chr7	923755	923755	+	5.101E-21	1.2949E-19	-0.32178	hypo	sig	chr7_923755
chr3	51984168	51984168	+	5.103E-21	1.2953E-19	-0.3348	hypo	sig	chr3_51984168
chr1	1.48E+08	148354896	+	5.108E-21	1.2966E-19	0.331451	hyper	sig	chr1_148354896
chr15	25172902	25172902	+	5.113E-21	1.2978E-19	-0.32393	hypo	sig	chr15_25172902
chr7	530306	530306	+	5.118E-21	1.299E-19	-0.28597	hypo	sig	chr7_530306
chr1	1.57E+08	156727054	+	5.12E-21	1.2996E-19	-0.21447	hypo	sig	chr1_156727054
chr1	1.47E+08	147080795	+	5.139E-21	1.3043E-19	0.273047	hyper	sig	chr1_147080795
chr4	1.74E+08	173531750	+	5.14E-21	1.3045E-19	0.296695	hyper	sig	chr4_173531750
chr2	2.35E+08	235027051	+	5.142E-21	1.3048E-19	-0.31674	hypo	sig	chr2_235027051
chr13	50133289	50133289	+	5.144E-21	1.3054E-19	0.301212	hyper	sig	chr13_50133289
chr7	27095577	27095577	+	5.148E-21	1.3064E-19	0.226926	hyper	sig	chr7_27095577
chr12	1.11E+08	111034183	+	5.149E-21	1.3066E-19	0.256713	hyper	sig	chr12_111034183
chr1	38578473	38578473	+	5.156E-21	1.3084E-19	0.288317	hyper	sig	chr1_38578473
chr7	5045621	5045621	+	5.161E-21	1.3094E-19	0.251039	hyper	sig	chr7_5045621
chr16	1109787	1109787	+	5.162E-21	1.3098E-19	-0.26702	hypo	sig	chr16_1109787
chr2	1.06E+08	106056242	+	5.163E-21	1.3098E-19	-0.32693	hypo	sig	chr2_106056242
chr6	5996141	5996141	+	5.163E-21	1.3098E-19	0.215904	hyper	sig	chr6_5996141
chr2	1.2E+08	120346587	+	5.17E-21	1.3115E-19	0.245437	hyper	sig	chr2_120346587
chr15	28832124	28832124	+	5.173E-21	1.3123E-19	0.309747	hyper	sig	chr15_28832124
chr11	1.25E+08	125496691	+	5.175E-21	1.3128E-19	0.311631	hyper	sig	chr11_125496691
chr2	5691104	5691104	+	5.176E-21	1.313E-19	0.260161	hyper	sig	chr2_5691104
chr14	1.05E+08	104569793	+	5.181E-21	1.3143E-19	0.294517	hyper	sig	chr14_104569793
chr19	3801788	3801788	+	5.188E-21	1.316E-19	0.245428	hyper	sig	chr19_3801788
chr2	73292992	73292992	+	5.188E-21	1.316E-19	0.312129	hyper	sig	chr2_73292992
chr2	2.17E+08	216694725	+	5.19E-21	1.3164E-19	0.280341	hyper	sig	chr2_216694725
chr22	46685930	46685930	+	5.194E-21	1.3174E-19	-0.28887	hypo	sig	chr22_46685930

chr13	98571318	98571318	+	5.194E-21	1.3174E-19	-0.2318	hypo	sig	chr13_98571318
chr2	38536779	38536779	+	5.2E-21	1.3188E-19	-0.28699	hypo	sig	chr2_38536779
chr6	1.5E+08	149965078	+	5.209E-21	1.3211E-19	0.254953	hyper	sig	chr6_149965078
chr22	44181197	44181197	+	5.212E-21	1.3219E-19	-0.27829	hypo	sig	chr22_44181197
chr22	44622656	44622656	+	5.218E-21	1.3232E-19	-0.31634	hypo	sig	chr22_44622656
chr3	13041928	13041928	+	5.22E-21	1.3236E-19	-0.32103	hypo	sig	chr3_13041928
chr16	1146661	1146661	+	5.221E-21	1.3239E-19	-0.32172	hypo	sig	chr16_1146661
chr1	2073928	2073928	+	5.223E-21	1.3245E-19	0.359215	hyper	sig	chr1_2073928
chr17	78232137	78232137	+	5.228E-21	1.3255E-19	0.240113	hyper	sig	chr17_78232137
chr12	48184380	48184380	+	5.23E-21	1.3261E-19	0.204879	hyper	sig	chr12_48184380
chr6	28091177	28091177	+	5.233E-21	1.3269E-19	0.259445	hyper	sig	chr6_28091177
chr7	1.29E+08	129188956	+	5.236E-21	1.3276E-19	0.253968	hyper	sig	chr7_129188956
chr13	70108192	70108192	+	5.238E-21	1.3281E-19	0.362534	hyper	sig	chr13_70108192
chr17	5097577	5097577	+	5.24E-21	1.3284E-19	0.263406	hyper	sig	chr17_5097577
chr5	1.35E+08	135028947	+	5.242E-21	1.3288E-19	0.395854	hyper	sig	chr5_135028947
chr1	3579112	3579112	+	5.244E-21	1.3295E-19	-0.27851	hypo	sig	chr1_3579112
chr20	45298027	45298027	+	5.245E-21	1.3296E-19	-0.40781	hypo	sig	chr20_45298027
chr9	1.37E+08	137294033	+	5.255E-21	1.3321E-19	-0.31199	hypo	sig	chr9_137294033
chr1	8211839	8211839	+	5.262E-21	1.3337E-19	-0.36372	hypo	sig	chr1_8211839
chr10	1.01E+08	101226115	+	5.268E-21	1.3352E-19	0.337297	hyper	sig	chr10_101226115
chr12	139915	139915	+	5.27E-21	1.3358E-19	0.425379	hyper	sig	chr12_139915
chr13	99658092	99658092	+	5.27E-21	1.3358E-19	0.255677	hyper	sig	chr13_99658092
chr8	62143341	62143341	+	5.273E-21	1.3365E-19	-0.26798	hypo	sig	chr8_62143341
chr22	24607492	24607492	+	5.275E-21	1.3369E-19	-0.32113	hypo	sig	chr22_24607492
chr1	18631590	18631590	+	5.275E-21	1.3369E-19	0.244157	hyper	sig	chr1_18631590
chr1	1.19E+08	118983605	+	5.275E-21	1.3369E-19	0.309959	hyper	sig	chr1_118983605
chr17	9199011	9199011	+	5.277E-21	1.3371E-19	-0.27118	hypo	sig	chr17_9199011
chr5	1.41E+08	141372262	+	5.281E-21	1.3383E-19	0.350514	hyper	sig	chr5_141372262
chr10	22345780	22345780	+	5.283E-21	1.3386E-19	0.397175	hyper	sig	chr10_22345780
chr6	1.7E+08	169799141	+	5.284E-21	1.3389E-19	-0.29042	hypo	sig	chr6_169799141
chr5	1.41E+08	140848787	+	5.286E-21	1.3393E-19	0.303869	hyper	sig	chr5_140848787
chr5	1.46E+08	146334278	+	5.291E-21	1.3405E-19	0.310571	hyper	sig	chr5_146334278
chr15	93071769	93071769	+	5.291E-21	1.3406E-19	0.258937	hyper	sig	chr15_93071769
chr1	58246390	58246390	+	5.298E-21	1.3423E-19	-0.29819	hypo	sig	chr1_58246390
chr19	37251870	37251870	+	5.302E-21	1.3432E-19	0.317406	hyper	sig	chr19_37251870
chr1	32767891	32767891	+	5.304E-21	1.3437E-19	0.35596	hyper	sig	chr1_32767891
chr16	51113962	51113962	+	5.309E-21	1.3448E-19	0.344628	hyper	sig	chr16_51113962
chr1	2.06E+08	205664668	+	5.312E-21	1.3455E-19	-0.34021	hypo	sig	chr1_205664668
chr19	18008220	18008220	+	5.312E-21	1.3456E-19	0.232103	hyper	sig	chr19_18008220
chr5	50969933	50969933	+	5.316E-21	1.3465E-19	0.3105	hyper	sig	chr5_50969933
chr6	28817251	28817251	+	5.316E-21	1.3465E-19	0.227247	hyper	sig	chr6_28817251
chr2	2.42E+08	241804104	+	5.318E-21	1.3469E-19	0.256755	hyper	sig	chr2_241804104
chr11	68371795	68371795	+	5.319E-21	1.3471E-19	0.224216	hyper	sig	chr11_68371795
chr16	88416968	88416968	+	5.322E-21	1.3479E-19	-0.32165	hypo	sig	chr16_88416968
chr8	55939676	55939676	+	5.322E-21	1.348E-19	0.259174	hyper	sig	chr8_55939676
chr2	9820666	9820666	+	5.323E-21	1.3481E-19	-0.25141	hypo	sig	chr2_9820666
chr3	27724563	27724563	+	5.326E-21	1.3488E-19	0.358403	hyper	sig	chr3_27724563
chr20	21103786	21103786	+	5.328E-21	1.3494E-19	0.327008	hyper	sig	chr20_21103786
chr8	98948615	98948615	+	5.33E-21	1.3497E-19	0.232361	hyper	sig	chr8_98948615
chr7	1.32E+08	131941999	+	5.33E-21	1.3497E-19	-0.21167	hypo	sig	chr7_131941999
chr16	991201	991201	+	5.345E-21	1.3533E-19	-0.28318	hypo	sig	chr16_991201
chr17	82457544	82457544	+	5.353E-21	1.3555E-19	-0.24309	hypo	sig	chr17_82457544
chr17	76538459	76538459	+	5.354E-21	1.3557E-19	0.3558	hyper	sig	chr17_76538459
chr8	53693241	53693241	+	5.358E-21	1.3566E-19	0.209049	hyper	sig	chr8_53693241
chr10	86710832	86710832	+	5.359E-21	1.3568E-19	0.235939	hyper	sig	chr10_86710832
chr9	1.36E+08	135982294	+	5.365E-21	1.3582E-19	-0.3093	hypo	sig	chr9_135982294

chr11	1.29E+08	128824299	+	5.374E-21	1.3606E-19	0.319636	hyper	sig	chr11_128824299
chr7	44884120	44884120	+	5.385E-21	1.3633E-19	0.22093	hyper	sig	chr7_44884120
chr11	48968926	48968926	+	5.389E-21	1.3644E-19	-0.24856	hypo	sig	chr11_48968926
chr16	3018436	3018436	+	5.391E-21	1.3647E-19	0.210233	hyper	sig	chr16_3018436
chr1	2237943	2237943	+	5.393E-21	1.3653E-19	0.25319	hyper	sig	chr1_2237943
chr10	23192586	23192586	+	5.398E-21	1.3665E-19	0.352041	hyper	sig	chr10_23192586
chr1	1.51E+08	151165200	+	5.399E-21	1.3666E-19	0.25695	hyper	sig	chr1_151165200
chr1	1.53E+08	152760939	+	5.402E-21	1.3674E-19	-0.26039	hypo	sig	chr1_152760939
chr16	86566903	86566903	+	5.411E-21	1.3695E-19	0.267692	hyper	sig	chr16_86566903
chr7	1.37E+08	136871070	+	5.415E-21	1.3706E-19	0.325894	hyper	sig	chr7_136871070
chr5	3606420	3606420	+	5.418E-21	1.3712E-19	0.308636	hyper	sig	chr5_3606420
chr10	486417	486417	+	5.418E-21	1.3713E-19	0.232535	hyper	sig	chr10_486417
chr19	1907970	1907970	+	5.422E-21	1.3721E-19	-0.28713	hypo	sig	chr19_1907970
chr11	2156202	2156202	+	5.423E-21	1.3725E-19	-0.363	hypo	sig	chr11_2156202
chr2	70907465	70907465	+	5.425E-21	1.3728E-19	0.24272	hyper	sig	chr2_70907465
chr7	5495028	5495028	+	5.431E-21	1.3744E-19	0.267469	hyper	sig	chr7_5495028
chr7	23247788	23247788	+	5.437E-21	1.3757E-19	0.217678	hyper	sig	chr7_23247788
chr4	1.51E+08	150584372	+	5.437E-21	1.3758E-19	0.308789	hyper	sig	chr4_150584372
chr14	72917565	72917565	+	5.442E-21	1.3769E-19	0.293775	hyper	sig	chr14_72917565
chr7	1226017	1226017	+	5.443E-21	1.3771E-19	0.315613	hyper	sig	chr7_1226017
chr20	21516099	21516099	+	5.446E-21	1.378E-19	0.251092	hyper	sig	chr20_21516099
chr7	6842431	6842431	+	5.448E-21	1.3784E-19	-0.25492	hypo	sig	chr7_6842431
chr1	1.53E+08	153357305	+	5.451E-21	1.3792E-19	-0.31057	hypo	sig	chr1_153357305
chr1	50427397	50427397	+	5.452E-21	1.3793E-19	0.247577	hyper	sig	chr1_50427397
chr11	30016137	30016137	+	5.462E-21	1.3819E-19	0.321877	hyper	sig	chr11_30016137
chr6	10882741	10882741	+	5.463E-21	1.3819E-19	0.288758	hyper	sig	chr6_10882741
chr14	26205409	26205409	+	5.463E-21	1.382E-19	0.301243	hyper	sig	chr14_26205409
chr19	56671487	56671487	+	5.463E-21	1.382E-19	0.298554	hyper	sig	chr19_56671487
chr9	1.37E+08	136739828	+	5.463E-21	1.382E-19	-0.34742	hypo	sig	chr9_136739828
chr17	82242747	82242747	+	5.477E-21	1.3852E-19	0.308999	hyper	sig	chr17_82242747
chr15	28107281	28107281	+	5.477E-21	1.3853E-19	0.267254	hyper	sig	chr15_28107281
chr19	18650309	18650309	+	5.477E-21	1.3853E-19	0.3734	hyper	sig	chr19_18650309
chr11	1.19E+08	119346621	+	5.481E-21	1.3863E-19	-0.29828	hypo	sig	chr11_119346621
chr2	3169571	3169571	+	5.483E-21	1.3866E-19	0.30407	hyper	sig	chr2_3169571
chr14	60510640	60510640	+	5.485E-21	1.3873E-19	0.241786	hyper	sig	chr14_60510640
chr4	6727276	6727276	+	5.486E-21	1.3873E-19	0.350681	hyper	sig	chr4_6727276
chr17	79747808	79747808	+	5.489E-21	1.3881E-19	0.304292	hyper	sig	chr17_79747808
chr6	1.7E+08	170280770	+	5.493E-21	1.3891E-19	-0.23283	hypo	sig	chr6_170280770
chr8	74984944	74984944	+	5.495E-21	1.3895E-19	0.300785	hyper	sig	chr8_74984944
chr10	1.31E+08	131410721	+	5.503E-21	1.3915E-19	-0.25181	hypo	sig	chr10_131410721
chr6	28775973	28775973	+	5.508E-21	1.3927E-19	0.26016	hyper	sig	chr6_28775973
chr2	2.31E+08	230985051	+	5.512E-21	1.3936E-19	-0.38222	hypo	sig	chr2_230985051
chr6	1.6E+08	160349965	+	5.513E-21	1.3939E-19	-0.3633	hypo	sig	chr6_160349965
chr5	54883782	54883782	+	5.514E-21	1.3941E-19	0.208003	hyper	sig	chr5_54883782
chr16	88150707	88150707	+	5.515E-21	1.3942E-19	-0.38839	hypo	sig	chr16_88150707
chr16	58265249	58265249	+	5.515E-21	1.3944E-19	-0.27436	hypo	sig	chr16_58265249
chr8	1.3E+08	130357350	+	5.521E-21	1.3958E-19	0.290914	hyper	sig	chr8_130357350
chr16	85697776	85697776	+	5.523E-21	1.3963E-19	-0.27881	hypo	sig	chr16_85697776
chr7	1645022	1645022	+	5.533E-21	1.3986E-19	-0.40808	hypo	sig	chr7_1645022
chr1	6273847	6273847	+	5.538E-21	1.3998E-19	-0.35542	hypo	sig	chr1_6273847
chr17	81461125	81461125	+	5.54E-21	1.4002E-19	-0.31431	hypo	sig	chr17_81461125
chr20	46011866	46011866	+	5.543E-21	1.4011E-19	0.372567	hyper	sig	chr20_46011866
chr14	1.05E+08	105480093	+	5.545E-21	1.4016E-19	-0.28347	hypo	sig	chr14_105480093
chr7	28088161	28088161	+	5.546E-21	1.4018E-19	-0.30615	hypo	sig	chr7_28088161
chr16	8866307	8866307	+	5.55E-21	1.4027E-19	0.30874	hyper	sig	chr16_8866307
chr5	16937270	16937270	+	5.551E-21	1.4027E-19	-0.2692	hypo	sig	chr5_16937270

chr7	20776913	20776913	+	5.561E-21	1.4053E-19	0.329593	hyper	sig	chr7_20776913
chr10	1.25E+08	125151354	+	5.565E-21	1.4064E-19	-0.24403	hypo	sig	chr10_125151354
chr5	1.25E+08	124744786	+	5.565E-21	1.4064E-19	0.269461	hyper	sig	chr5_124744786
chr4	1.55E+08	154743017	+	5.58E-21	1.4099E-19	0.300351	hyper	sig	chr4_154743017
chr2	74516310	74516310	+	5.58E-21	1.41E-19	0.218809	hyper	sig	chr2_74516310
chr19	36797849	36797849	+	5.581E-21	1.4102E-19	0.304252	hyper	sig	chr19_36797849
chr19	58217188	58217188	+	5.582E-21	1.4103E-19	0.3286	hyper	sig	chr19_58217188
chr11	18792483	18792483	+	5.589E-21	1.412E-19	0.292389	hyper	sig	chr11_18792483
chr4	1.09E+08	109302213	+	5.592E-21	1.4127E-19	0.295662	hyper	sig	chr4_109302213
chr9	1.34E+08	133609608	+	5.592E-21	1.4127E-19	0.246945	hyper	sig	chr9_133609608
chr3	1.47E+08	147412745	+	5.601E-21	1.415E-19	0.347139	hyper	sig	chr3_147412745
chr5	959040	959040	+	5.623E-21	1.4204E-19	-0.28918	hypo	sig	chr5_959040
chr6	1.66E+08	165989211	+	5.629E-21	1.4219E-19	0.240061	hyper	sig	chr6_165989211
chr18	47248560	47248560	+	5.636E-21	1.4235E-19	0.267523	hyper	sig	chr18_47248560
chr6	7427070	7427070	+	5.638E-21	1.4239E-19	0.321692	hyper	sig	chr6_7427070
chr17	41184487	41184487	+	5.654E-21	1.4281E-19	0.29625	hyper	sig	chr17_41184487
chr10	77927448	77927448	+	5.656E-21	1.4286E-19	0.205658	hyper	sig	chr10_77927448
chr10	13890953	13890953	+	5.663E-21	1.4303E-19	0.265747	hyper	sig	chr10_13890953
chr8	66432455	66432455	+	5.67E-21	1.4319E-19	0.324815	hyper	sig	chr8_66432455
chr14	20687520	20687520	+	5.679E-21	1.4341E-19	-0.29841	hypo	sig	chr14_20687520
chr17	82457574	82457574	+	5.679E-21	1.4341E-19	-0.25116	hypo	sig	chr17_82457574
chr8	15540136	15540136	+	5.685E-21	1.4356E-19	0.326085	hyper	sig	chr8_15540136
chr19	36331764	36331764	+	5.689E-21	1.4365E-19	0.279953	hyper	sig	chr19_36331764
chr12	1.32E+08	132409981	+	5.694E-21	1.4378E-19	-0.3325	hypo	sig	chr12_132409981
chr12	64390703	64390703	+	5.697E-21	1.4385E-19	0.296297	hyper	sig	chr12_64390703
chr7	27102808	27102808	+	5.699E-21	1.4389E-19	0.256486	hyper	sig	chr7_27102808
chr16	3236157	3236157	+	5.707E-21	1.4409E-19	-0.33924	hypo	sig	chr16_3236157
chr11	44311408	44311408	+	5.711E-21	1.4419E-19	0.273373	hyper	sig	chr11_44311408
chr7	1.01E+08	101174631	+	5.717E-21	1.4434E-19	0.26546	hyper	sig	chr7_101174631
chr14	37599138	37599138	+	5.723E-21	1.4448E-19	0.390734	hyper	sig	chr14_37599138
chr13	36130648	36130648	+	5.73E-21	1.4466E-19	0.245288	hyper	sig	chr13_36130648
chr14	92922535	92922535	+	5.74E-21	1.4489E-19	-0.29815	hypo	sig	chr14_92922535
chr10	660082	660082	+	5.746E-21	1.4504E-19	0.272529	hyper	sig	chr10_660082
chr14	77026577	77026577	+	5.747E-21	1.4506E-19	0.277162	hyper	sig	chr14_77026577
chr4	89837629	89837629	+	5.749E-21	1.4512E-19	0.210519	hyper	sig	chr4_89837629
chr15	37098080	37098080	+	5.75E-21	1.4514E-19	0.328294	hyper	sig	chr15_37098080
chr7	1.28E+08	128270856	+	5.752E-21	1.4517E-19	0.294137	hyper	sig	chr7_128270856
chr5	83473110	83473110	+	5.752E-21	1.4518E-19	0.209037	hyper	sig	chr5_83473110
chr2	19357471	19357471	+	5.761E-21	1.454E-19	0.333279	hyper	sig	chr2_19357471
chr6	98835922	98835922	+	5.767E-21	1.4554E-19	0.292475	hyper	sig	chr6_98835922
chr9	1.33E+08	132708906	+	5.769E-21	1.4559E-19	-0.30553	hypo	sig	chr9_132708906
chr2	1.71E+08	170820348	+	5.773E-21	1.4569E-19	0.275245	hyper	sig	chr2_170820348
chr7	27147527	27147527	+	5.776E-21	1.4577E-19	0.225828	hyper	sig	chr7_27147527
chr1	6454529	6454529	+	5.779E-21	1.4583E-19	0.257927	hyper	sig	chr1_6454529
chr6	50708053	50708053	+	5.782E-21	1.459E-19	0.329635	hyper	sig	chr6_50708053
chr12	53961744	53961744	+	5.805E-21	1.4648E-19	0.32002	hyper	sig	chr12_53961744
chr8	11703977	11703977	+	5.806E-21	1.4649E-19	0.218375	hyper	sig	chr8_11703977
chr16	51151128	51151128	+	5.811E-21	1.4662E-19	0.425785	hyper	sig	chr16_51151128
chr6	32096295	32096295	+	5.812E-21	1.4663E-19	0.289749	hyper	sig	chr6_32096295
chr5	1.81E+08	181114852	+	5.813E-21	1.4665E-19	0.292683	hyper	sig	chr5_181114852
chr4	1.51E+08	150579869	+	5.818E-21	1.4677E-19	0.413946	hyper	sig	chr4_150579869
chr15	25241298	25241298	+	5.819E-21	1.4681E-19	-0.32804	hypo	sig	chr15_25241298
chr6	1.69E+08	168999563	+	5.832E-21	1.4713E-19	-0.31929	hypo	sig	chr6_168999563
chr7	37448888	37448888	+	5.839E-21	1.473E-19	0.249131	hyper	sig	chr7_37448888
chr13	1.08E+08	107867875	+	5.839E-21	1.473E-19	0.224622	hyper	sig	chr13_107867875
chr10	75408490	75408490	+	5.842E-21	1.4736E-19	0.288936	hyper	sig	chr10_75408490

chr1	2.36E+08	236065455	+	5.846E-21	1.4745E-19	0.238871	hyper	sig	chr1_236065455
chr8	41309566	41309566	+	5.852E-21	1.4761E-19	0.228542	hyper	sig	chr8_41309566
chr10	1.02E+08	102411030	+	5.855E-21	1.4766E-19	0.308135	hyper	sig	chr10_102411030
chr22	50281931	50281931	+	5.856E-21	1.4769E-19	-0.31396	hypo	sig	chr22_50281931
chr9	1.19E+08	119369312	+	5.856E-21	1.477E-19	0.495516	hyper	sig	chr9_119369312
chr16	66975333	66975333	+	5.86E-21	1.4779E-19	-0.31926	hypo	sig	chr16_66975333
chr7	1235594	1235594	+	5.864E-21	1.4789E-19	0.273942	hyper	sig	chr7_1235594
chr7	1.22E+08	122306905	+	5.865E-21	1.4791E-19	0.309725	hyper	sig	chr7_122306905
chr4	65670754	65670754	+	5.867E-21	1.4794E-19	0.207875	hyper	sig	chr4_65670754
chr6	1.08E+08	108174460	+	5.867E-21	1.4794E-19	0.265727	hyper	sig	chr6_108174460
chr14	1.01E+08	101060588	+	5.868E-21	1.4796E-19	-0.30391	hypo	sig	chr14_101060588
chr16	1461405	1461405	+	5.873E-21	1.4808E-19	0.305954	hyper	sig	chr16_1461405
chr5	1.16E+08	115816716	+	5.877E-21	1.4819E-19	0.215494	hyper	sig	chr5_115816716
chr5	1.41E+08	141215504	+	5.877E-21	1.4819E-19	0.333591	hyper	sig	chr5_141215504
chr12	1.09E+08	108827444	+	5.882E-21	1.4829E-19	0.278641	hyper	sig	chr12_108827444
chr17	40552331	40552331	+	5.885E-21	1.4836E-19	0.247458	hyper	sig	chr17_40552331
chr16	1136037	1136037	+	5.887E-21	1.4842E-19	-0.26352	hypo	sig	chr16_1136037
chr18	77250001	77250001	+	5.888E-21	1.4843E-19	0.238419	hyper	sig	chr18_77250001
chr6	1.46E+08	146029210	+	5.894E-21	1.4858E-19	0.238435	hyper	sig	chr6_146029210
chr11	32426560	32426560	+	5.898E-21	1.4868E-19	0.383006	hyper	sig	chr11_32426560
chr7	97025476	97025476	+	5.91E-21	1.4897E-19	0.220064	hyper	sig	chr7_97025476
chr13	52848184	52848184	+	5.91E-21	1.4897E-19	0.287754	hyper	sig	chr13_52848184
chr1	3063563	3063563	+	5.921E-21	1.4924E-19	0.310782	hyper	sig	chr1_3063563
chr6	34036168	34036168	+	5.922E-21	1.4927E-19	-0.27496	hypo	sig	chr6_34036168
chr1	21568039	21568039	+	5.923E-21	1.4928E-19	-0.29182	hypo	sig	chr1_21568039
chr6	1.37E+08	137495359	+	5.927E-21	1.4939E-19	0.25148	hyper	sig	chr6_137495359
chr10	1173480	1173480	+	5.931E-21	1.4949E-19	-0.32524	hypo	sig	chr10_1173480
chr10	35608059	35608059	+	5.932E-21	1.4951E-19	0.310575	hyper	sig	chr10_35608059
chr2	1.19E+08	118843378	+	5.932E-21	1.4951E-19	0.461958	hyper	sig	chr2_118843378
chr8	64378330	64378330	+	5.935E-21	1.4956E-19	0.375528	hyper	sig	chr8_64378330
chr8	22691369	22691369	+	5.936E-21	1.4959E-19	0.340187	hyper	sig	chr8_22691369
chr2	583365	583365	+	5.942E-21	1.4972E-19	-0.21595	hypo	sig	chr2_583365
chr2	2.39E+08	239199650	+	5.943E-21	1.4974E-19	0.256536	hyper	sig	chr2_239199650
chr19	7505391	7505391	+	5.958E-21	1.5014E-19	-0.27248	hypo	sig	chr19_7505391
chr11	1.23E+08	122977869	+	5.959E-21	1.5015E-19	0.289013	hyper	sig	chr11_122977869
chr12	1.23E+08	122893624	+	5.96E-21	1.5017E-19	-0.28062	hypo	sig	chr12_122893624
chr8	1.23E+08	123182863	+	5.962E-21	1.502E-19	-0.28053	hypo	sig	chr8_123182863
chr20	17225975	17225975	+	5.968E-21	1.5035E-19	0.351027	hyper	sig	chr20_17225975
chr11	31823842	31823842	+	5.968E-21	1.5036E-19	0.214301	hyper	sig	chr11_31823842
chr7	97022355	97022355	+	5.989E-21	1.5088E-19	0.297693	hyper	sig	chr7_97022355
chr11	85934754	85934754	+	5.991E-21	1.5091E-19	0.429104	hyper	sig	chr11_85934754
chr10	75408443	75408443	+	5.996E-21	1.5104E-19	0.281431	hyper	sig	chr10_75408443
chr16	2967603	2967603	+	5.998E-21	1.5108E-19	0.360119	hyper	sig	chr16_2967603
chr10	81875640	81875640	+	6E-21	1.5114E-19	0.245605	hyper	sig	chr10_81875640
chr17	43400084	43400084	+	6.006E-21	1.5129E-19	0.261026	hyper	sig	chr17_43400084
chr12	1.27E+08	127143185	+	6.013E-21	1.5145E-19	-0.30203	hypo	sig	chr12_127143185
chr5	1.41E+08	141242178	+	6.021E-21	1.5165E-19	0.25251	hyper	sig	chr5_141242178
chr9	97855457	97855457	+	6.029E-21	1.5186E-19	0.324764	hyper	sig	chr9_97855457
chr6	50724482	50724482	+	6.033E-21	1.5194E-19	0.250983	hyper	sig	chr6_50724482
chr16	3305238	3305238	+	6.039E-21	1.5209E-19	0.29965	hyper	sig	chr16_3305238
chr10	48376	48376	+	6.043E-21	1.5218E-19	-0.25723	hypo	sig	chr10_48376
chr1	75128450	75128450	+	6.045E-21	1.5223E-19	0.230574	hyper	sig	chr1_75128450
chr13	78596509	78596509	+	6.059E-21	1.5258E-19	0.406405	hyper	sig	chr13_78596509
chr13	1.11E+08	110508127	+	6.061E-21	1.5261E-19	-0.37656	hypo	sig	chr13_110508127
chr19	58098223	58098223	+	6.061E-21	1.5261E-19	0.215677	hyper	sig	chr19_58098223
chr10	71062877	71062877	+	6.066E-21	1.5274E-19	-0.40067	hypo	sig	chr10_71062877

chr20	43507154	43507154	+	6.07E-21	1.5284E-19	0.325188	hyper	sig	chr20_43507154
chr3	62319497	62319497	+	6.076E-21	1.5298E-19	0.222574	hyper	sig	chr3_62319497
chr19	58356251	58356251	+	6.078E-21	1.5303E-19	0.347585	hyper	sig	chr19_58356251
chr15	82952199	82952199	+	6.08E-21	1.5306E-19	0.218889	hyper	sig	chr15_82952199
chr14	53953107	53953107	+	6.091E-21	1.5335E-19	0.228985	hyper	sig	chr14_53953107
chr6	2640869	2640869	+	6.105E-21	1.5369E-19	-0.45638	hypo	sig	chr6_2640869
chr6	11179870	11179870	+	6.112E-21	1.5385E-19	-0.25335	hypo	sig	chr6_11179870
chr11	60852213	60852213	+	6.113E-21	1.5387E-19	-0.3203	hypo	sig	chr11_60852213
chr20	46058504	46058504	+	6.119E-21	1.5404E-19	0.301945	hyper	sig	chr20_46058504
chr9	1.36E+08	136328484	+	6.122E-21	1.5411E-19	0.289642	hyper	sig	chr9_136328484
chr3	42908598	42908598	+	6.128E-21	1.5424E-19	-0.35033	hypo	sig	chr3_42908598
chr1	1.44E+08	143651545	+	6.129E-21	1.5425E-19	0.354964	hyper	sig	chr1_143651545
chr11	2213772	2213772	+	6.134E-21	1.5438E-19	-0.38177	hypo	sig	chr11_2213772
chr8	1302218	1302218	+	6.134E-21	1.5439E-19	-0.35178	hypo	sig	chr8_1302218
chr1	2.28E+08	227817266	+	6.141E-21	1.5455E-19	-0.29986	hypo	sig	chr1_227817266
chr17	77320702	77320702	+	6.142E-21	1.5456E-19	0.325304	hyper	sig	chr17_77320702
chr20	63521824	63521824	+	6.142E-21	1.5456E-19	0.318939	hyper	sig	chr20_63521824
chr1	90716748	90716748	+	6.144E-21	1.5461E-19	0.333269	hyper	sig	chr1_90716748
chr7	1.01E+08	100721024	+	6.146E-21	1.5467E-19	0.262811	hyper	sig	chr7_100721024
chr16	89098545	89098545	+	6.148E-21	1.547E-19	-0.2676	hypo	sig	chr16_89098545
chr13	25095909	25095909	+	6.152E-21	1.548E-19	0.297697	hyper	sig	chr13_25095909
chr16	31712149	31712149	+	6.155E-21	1.5487E-19	-0.25536	hypo	sig	chr16_31712149
chr19	58440908	58440908	+	6.167E-21	1.5518E-19	0.267091	hyper	sig	chr19_58440908
chr12	1.03E+08	103302374	+	6.168E-21	1.552E-19	0.290522	hyper	sig	chr12_103302374
chr14	41605679	41605679	+	6.171E-21	1.5526E-19	0.261188	hyper	sig	chr14_41605679
chr2	2.22E+08	222295502	+	6.172E-21	1.5527E-19	0.279649	hyper	sig	chr2_222295502
chr13	1.14E+08	114015365	+	6.181E-21	1.5549E-19	-0.2989	hypo	sig	chr13_114015365
chr7	1.58E+08	158351725	+	6.182E-21	1.5552E-19	-0.29704	hypo	sig	chr7_158351725
chr10	1.01E+08	101140257	+	6.184E-21	1.5557E-19	0.293181	hyper	sig	chr10_101140257
chr5	3599647	3599647	+	6.185E-21	1.5558E-19	0.385026	hyper	sig	chr5_3599647
chr16	56190922	56190922	+	6.196E-21	1.5586E-19	0.220127	hyper	sig	chr16_56190922
chr1	43565512	43565512	+	6.196E-21	1.5587E-19	0.286503	hyper	sig	chr1_43565512
chr1	2.21E+08	220887583	+	6.197E-21	1.5588E-19	0.326039	hyper	sig	chr1_220887583
chr14	1.05E+08	104637392	+	6.2E-21	1.5595E-19	-0.32762	hypo	sig	chr14_104637392
chr11	20669598	20669598	+	6.209E-21	1.5617E-19	0.379235	hyper	sig	chr11_20669598
chr9	34457281	34457281	+	6.213E-21	1.5626E-19	0.417289	hyper	sig	chr9_34457281
chr19	40224555	40224555	+	6.215E-21	1.5631E-19	-0.35979	hypo	sig	chr19_40224555
chr12	1.32E+08	132277603	+	6.218E-21	1.5637E-19	0.358225	hyper	sig	chr12_132277603
chr3	13637688	13637688	+	6.221E-21	1.5646E-19	-0.26599	hypo	sig	chr3_13637688
chr1	50430552	50430552	+	6.23E-21	1.5666E-19	0.257165	hyper	sig	chr1_50430552
chr15	82648677	82648677	+	6.238E-21	1.5685E-19	0.354247	hyper	sig	chr15_82648677
chr8	26381579	26381579	+	6.244E-21	1.5701E-19	-0.23478	hypo	sig	chr8_26381579
chr1	2934101	2934101	+	6.251E-21	1.5717E-19	0.264878	hyper	sig	chr1_2934101
chr1	78491213	78491213	+	6.256E-21	1.5729E-19	0.29375	hyper	sig	chr1_78491213
chr2	9212859	9212859	+	6.261E-21	1.5741E-19	-0.31936	hypo	sig	chr2_9212859
chr6	98844395	98844395	+	6.286E-21	1.5804E-19	0.311255	hyper	sig	chr6_98844395
chr7	35257311	35257311	+	6.29E-21	1.5813E-19	0.258648	hyper	sig	chr7_35257311
chr13	99972025	99972025	+	6.292E-21	1.5817E-19	0.33955	hyper	sig	chr13_99972025
chr2	1.62E+08	162075128	+	6.292E-21	1.5818E-19	-0.26739	hypo	sig	chr2_162075128
chr1	1.62E+08	162023397	+	6.293E-21	1.582E-19	0.331731	hyper	sig	chr1_162023397
chr16	1002509	1002509	+	6.293E-21	1.582E-19	-0.35017	hypo	sig	chr16_1002509
chr10	23173380	23173380	+	6.298E-21	1.583E-19	0.369089	hyper	sig	chr10_23173380
chr6	84764688	84764688	+	6.298E-21	1.583E-19	0.220424	hyper	sig	chr6_84764688
chr1	75128381	75128381	+	6.299E-21	1.5832E-19	0.280618	hyper	sig	chr1_75128381
chr12	1.19E+08	118980886	+	6.303E-21	1.5842E-19	0.268327	hyper	sig	chr12_118980886
chr12	53944145	53944145	+	6.308E-21	1.5855E-19	0.306583	hyper	sig	chr12_53944145

chr10	1.33E+08	132879112	+	6.311E-21	1.5862E-19	-0.39464	hypo	sig	chr10_132879112
chr15	29149702	29149702	+	6.312E-21	1.5863E-19	-0.33505	hypo	sig	chr15_29149702
chr5	3599482	3599482	+	6.317E-21	1.5876E-19	0.391479	hyper	sig	chr5_3599482
chr13	78587486	78587486	+	6.323E-21	1.589E-19	0.367287	hyper	sig	chr13_78587486
chr16	89847596	89847596	+	6.325E-21	1.5894E-19	-0.30891	hypo	sig	chr16_89847596
chr11	2709344	2709344	+	6.341E-21	1.5934E-19	0.347667	hyper	sig	chr11_2709344
chr12	40692563	40692563	+	6.346E-21	1.5946E-19	0.277522	hyper	sig	chr12_40692563
chr11	637030	637030	+	6.355E-21	1.5968E-19	0.261274	hyper	sig	chr11_637030
chr12	54006513	54006513	+	6.359E-21	1.5976E-19	-0.20694	hypo	sig	chr12_54006513
chr3	27729597	27729597	+	6.359E-21	1.5976E-19	0.267821	hyper	sig	chr3_27729597
chr5	1.81E+08	181219580	+	6.361E-21	1.5981E-19	0.333976	hyper	sig	chr5_181219580
chr5	1.42E+08	142322824	+	6.367E-21	1.5995E-19	-0.3137	hypo	sig	chr5_142322824
chr5	1.41E+08	141341123	+	6.368E-21	1.5998E-19	0.27941	hyper	sig	chr5_141341123
chr11	20671323	20671323	+	6.377E-21	1.6019E-19	0.25703	hyper	sig	chr11_20671323
chr4	1.21E+08	121380553	+	6.378E-21	1.6022E-19	0.296935	hyper	sig	chr4_121380553
chr5	1.41E+08	141094724	+	6.385E-21	1.6038E-19	0.328592	hyper	sig	chr5_141094724
chr8	39978486	39978486	+	6.385E-21	1.6038E-19	0.273152	hyper	sig	chr8_39978486
chr11	3123462	3123462	+	6.392E-21	1.6056E-19	0.247934	hyper	sig	chr11_3123462
chr11	8169084	8169084	+	6.393E-21	1.6058E-19	0.236662	hyper	sig	chr11_8169084
chr13	1.14E+08	114140436	+	6.397E-21	1.6066E-19	-0.2494	hypo	sig	chr13_114140436
chr2	2.41E+08	240672609	+	6.397E-21	1.6068E-19	0.315752	hyper	sig	chr2_240672609
chr10	1.33E+08	133070735	+	6.398E-21	1.6068E-19	-0.29191	hypo	sig	chr10_133070735
chr6	1.7E+08	170250708	+	6.4E-21	1.6073E-19	-0.29307	hypo	sig	chr6_170250708
chr16	81457743	81457743	+	6.402E-21	1.6078E-19	-0.27971	hypo	sig	chr16_81457743
chr7	3880450	3880450	+	6.405E-21	1.6085E-19	-0.23099	hypo	sig	chr7_3880450
chr17	50781424	50781424	+	6.411E-21	1.61E-19	0.301773	hyper	sig	chr17_50781424
chr8	38721286	38721286	+	6.413E-21	1.6103E-19	-0.30668	hypo	sig	chr8_38721286
chr3	6862222	6862222	+	6.413E-21	1.6104E-19	0.385816	hyper	sig	chr3_6862222
chr22	45879355	45879355	+	6.414E-21	1.6105E-19	-0.29271	hypo	sig	chr22_45879355
chr17	7383791	7383791	+	6.414E-21	1.6105E-19	0.270249	hyper	sig	chr17_7383791
chr4	1.44E+08	143701134	+	6.414E-21	1.6105E-19	0.276878	hyper	sig	chr4_143701134
chr1	38045783	38045783	+	6.418E-21	1.6114E-19	0.240525	hyper	sig	chr1_38045783
chr17	79803802	79803802	+	6.425E-21	1.6131E-19	0.255417	hyper	sig	chr17_79803802
chr8	56113368	56113368	+	6.436E-21	1.6156E-19	0.30379	hyper	sig	chr8_56113368
chr1	1.56E+08	156076553	+	6.442E-21	1.6171E-19	0.313957	hyper	sig	chr1_156076553
chr11	1.16E+08	115711290	+	6.443E-21	1.6175E-19	-0.29042	hypo	sig	chr11_115711290
chr17	10198286	10198286	+	6.444E-21	1.6175E-19	0.337187	hyper	sig	chr17_10198286
chr1	6474459	6474459	+	6.444E-21	1.6176E-19	-0.29144	hypo	sig	chr1_6474459
chr7	19110488	19110488	+	6.444E-21	1.6176E-19	-0.2975	hypo	sig	chr7_19110488
chr5	1.35E+08	135030844	+	6.447E-21	1.6183E-19	0.234506	hyper	sig	chr5_135030844
chr12	1.14E+08	114414503	+	6.452E-21	1.6195E-19	0.372049	hyper	sig	chr12_114414503
chr6	596013	596013	+	6.462E-21	1.6219E-19	0.220567	hyper	sig	chr6_596013
chr10	90857070	90857070	+	6.463E-21	1.622E-19	0.370261	hyper	sig	chr10_90857070
chr17	75723586	75723586	+	6.482E-21	1.6266E-19	-0.32145	hypo	sig	chr17_75723586
chr8	74985042	74985042	+	6.482E-21	1.6266E-19	0.289996	hyper	sig	chr8_74985042
chr2	1.45E+08	144517456	+	6.483E-21	1.6269E-19	0.203757	hyper	sig	chr2_144517456
chr15	1E+08	100373729	+	6.492E-21	1.6292E-19	0.310081	hyper	sig	chr15_100373729
chr2	2E+08	199603892	+	6.496E-21	1.63E-19	0.300689	hyper	sig	chr2_199603892
chr1	2.04E+08	204332150	+	6.505E-21	1.6321E-19	-0.3186	hypo	sig	chr1_204332150
chr10	11441	11441	+	6.505E-21	1.6321E-19	-0.26813	hypo	sig	chr10_11441
chr15	28107201	28107201	+	6.512E-21	1.6338E-19	0.324069	hyper	sig	chr15_28107201
chr6	29554042	29554042	+	6.514E-21	1.6342E-19	0.35911	hyper	sig	chr6_29554042
chr9	93307659	93307659	+	6.528E-21	1.6377E-19	0.226008	hyper	sig	chr9_93307659
chr6	1.5E+08	150037825	+	6.528E-21	1.6378E-19	0.217011	hyper	sig	chr6_150037825
chr11	1.3E+08	129743832	+	6.529E-21	1.6379E-19	-0.31782	hypo	sig	chr11_129743832
chr1	71046783	71046783	+	6.529E-21	1.638E-19	0.312323	hyper	sig	chr1_71046783

chr19	56765304	56765304	+	6.533E-21	1.6388E-19	0.301214	hyper	sig	chr19_56765304
chr19	49436724	49436724	+	6.534E-21	1.6389E-19	0.243096	hyper	sig	chr19_49436724
chr19	56393917	56393917	+	6.534E-21	1.639E-19	0.274177	hyper	sig	chr19_56393917
chr11	10295304	10295304	+	6.541E-21	1.6405E-19	-0.21713	hypo	sig	chr11_10295304
chr20	21511086	21511086	+	6.55E-21	1.6428E-19	0.318793	hyper	sig	chr20_21511086
chr1	16520786	16520786	+	6.552E-21	1.6432E-19	0.2534	hyper	sig	chr1_16520786
chr1	1.61E+08	161079823	+	6.557E-21	1.6444E-19	0.275709	hyper	sig	chr1_161079823
chr6	83524744	83524744	+	6.558E-21	1.6446E-19	-0.23444	hypo	sig	chr6_83524744
chr13	1.12E+08	111948178	+	6.562E-21	1.6456E-19	-0.39154	hypo	sig	chr13_111948178
chr11	45930240	45930240	+	6.563E-21	1.6458E-19	-0.28083	hypo	sig	chr11_45930240
chr12	1.25E+08	124655621	+	6.568E-21	1.6469E-19	0.37799	hyper	sig	chr12_124655621
chr19	10354189	10354189	+	6.597E-21	1.6543E-19	0.233454	hyper	sig	chr19_10354189
chr18	47249097	47249097	+	6.602E-21	1.6553E-19	0.282457	hyper	sig	chr18_47249097
chr19	35558473	35558473	+	6.602E-21	1.6555E-19	0.313273	hyper	sig	chr19_35558473
chr2	66444533	66444533	+	6.606E-21	1.6563E-19	0.272491	hyper	sig	chr2_66444533
chr1	20473319	20473319	+	6.608E-21	1.6568E-19	0.25504	hyper	sig	chr1_20473319
chr21	36696988	36696988	+	6.61E-21	1.6571E-19	0.396119	hyper	sig	chr21_36696988
chr6	1.05E+08	104860860	+	6.611E-21	1.6575E-19	-0.28769	hypo	sig	chr6_104860860
chr12	1.24E+08	124455004	+	6.616E-21	1.6586E-19	0.359576	hyper	sig	chr12_124455004
chr5	1.46E+08	146379316	+	6.617E-21	1.6586E-19	0.302922	hyper	sig	chr5_146379316
chr7	1.51E+08	151013349	+	6.621E-21	1.6596E-19	0.264846	hyper	sig	chr7_151013349
chr17	52160484	52160484	+	6.631E-21	1.6622E-19	0.328146	hyper	sig	chr17_52160484
chr7	16526863	16526863	+	6.634E-21	1.6628E-19	-0.28307	hypo	sig	chr7_16526863
chr5	1.41E+08	141431815	+	6.641E-21	1.6645E-19	0.347368	hyper	sig	chr5_141431815
chr3	1.38E+08	137760775	+	6.647E-21	1.666E-19	0.23377	hyper	sig	chr3_137760775
chr5	1.41E+08	141339169	+	6.653E-21	1.6673E-19	0.25155	hyper	sig	chr5_141339169
chr3	1.49E+08	148697960	+	6.654E-21	1.6677E-19	0.234115	hyper	sig	chr3_148697960
chr2	1.15E+08	115162451	+	6.676E-21	1.6732E-19	0.279367	hyper	sig	chr2_115162451
chr21	45015854	45015854	+	6.68E-21	1.674E-19	-0.28408	hypo	sig	chr21_45015854
chr22	24427506	24427506	+	6.681E-21	1.6743E-19	-0.30583	hypo	sig	chr22_24427506
chr2	2.22E+08	222297103	+	6.685E-21	1.6753E-19	0.212064	hyper	sig	chr2_222297103
chr9	1.37E+08	136696140	+	6.686E-21	1.6755E-19	-0.2952	hypo	sig	chr9_136696140
chr16	165424	165424	+	6.689E-21	1.6761E-19	0.246896	hyper	sig	chr16_165424
chr8	1.43E+08	143155750	+	6.689E-21	1.6761E-19	-0.33374	hypo	sig	chr8_143155750
chr7	1.56E+08	155509287	+	6.694E-21	1.6772E-19	0.288113	hyper	sig	chr7_155509287
chr5	1.55E+08	154691539	+	6.703E-21	1.6795E-19	0.339487	hyper	sig	chr5_154691539
chr14	1.02E+08	102321251	+	6.705E-21	1.6798E-19	-0.27762	hypo	sig	chr14_102321251
chr13	54799957	54799957	+	6.706E-21	1.68E-19	-0.25622	hypo	sig	chr13_54799957
chr2	1.39E+08	138779974	+	6.707E-21	1.6802E-19	0.328782	hyper	sig	chr2_138779974
chr4	1.74E+08	173531365	+	6.709E-21	1.6808E-19	0.293627	hyper	sig	chr4_173531365
chr7	27206158	27206158	+	6.733E-21	1.6866E-19	-0.2613	hypo	sig	chr7_27206158
chr10	69569339	69569339	+	6.741E-21	1.6886E-19	0.416685	hyper	sig	chr10_69569339
chr1	2.21E+08	220878681	+	6.741E-21	1.6887E-19	0.217921	hyper	sig	chr1_220878681
chr19	36973255	36973255	+	6.758E-21	1.6927E-19	0.263009	hyper	sig	chr19_36973255
chr10	1.19E+08	118595625	+	6.762E-21	1.6935E-19	0.316237	hyper	sig	chr10_118595625
chr13	1.11E+08	110641507	+	6.762E-21	1.6935E-19	0.244432	hyper	sig	chr13_110641507
chr10	71963516	71963516	+	6.765E-21	1.6942E-19	0.315613	hyper	sig	chr10_71963516
chr4	1.04E+08	103720391	+	6.773E-21	1.6963E-19	0.275991	hyper	sig	chr4_103720391
chr2	66437864	66437864	+	6.781E-21	1.6982E-19	0.287444	hyper	sig	chr2_66437864
chr15	52794462	52794462	+	6.782E-21	1.6984E-19	0.278972	hyper	sig	chr15_52794462
chr3	62371247	62371247	+	6.784E-21	1.6988E-19	0.387283	hyper	sig	chr3_62371247
chr16	66923599	66923599	+	6.786E-21	1.6993E-19	0.259569	hyper	sig	chr16_66923599
chr7	1E+08	100077336	+	6.79E-21	1.7002E-19	-0.25499	hypo	sig	chr7_100077336
chr6	62285990	62285990	+	6.796E-21	1.7015E-19	0.358363	hyper	sig	chr6_62285990
chr22	20430244	20430244	+	6.796E-21	1.7016E-19	-0.28579	hypo	sig	chr22_20430244
chr5	1093623	1093623	+	6.799E-21	1.7023E-19	-0.31774	hypo	sig	chr5_1093623

chr6	6006494	6006494	+	6.803E-21	1.7032E-19	0.298133	hyper	sig	chr6_6006494
chr12	84912672	84912672	+	6.806E-21	1.7039E-19	0.249636	hyper	sig	chr12_84912672
chr2	94998468	94998468	+	6.81E-21	1.7048E-19	0.396573	hyper	sig	chr2_94998468
chr19	57935415	57935415	+	6.81E-21	1.7048E-19	0.285269	hyper	sig	chr19_57935415
chr17	48551940	48551940	+	6.82E-21	1.7073E-19	0.304181	hyper	sig	chr17_48551940
chr10	7409315	7409315	+	6.821E-21	1.7075E-19	0.237287	hyper	sig	chr10_7409315
chr17	82875722	82875722	+	6.822E-21	1.7075E-19	-0.2584	hypo	sig	chr17_82875722
chr11	65047770	65047770	+	6.848E-21	1.7142E-19	0.34026	hyper	sig	chr11_65047770
chr10	22345072	22345072	+	6.858E-21	1.7166E-19	0.256439	hyper	sig	chr10_22345072
chr15	99438854	99438854	+	6.866E-21	1.7184E-19	-0.30066	hypo	sig	chr15_99438854
chr6	1.5E+08	149965132	+	6.869E-21	1.7191E-19	0.279696	hyper	sig	chr6_149965132
chr2	1854814	1854814	+	6.87E-21	1.7194E-19	0.254415	hyper	sig	chr2_1854814
chr15	90100551	90100551	+	6.871E-21	1.7196E-19	0.266488	hyper	sig	chr15_90100551
chr2	2.41E+08	241210318	+	6.882E-21	1.7222E-19	-0.28994	hypo	sig	chr2_241210318
chr16	1991581	1991581	+	6.893E-21	1.7249E-19	0.356147	hyper	sig	chr16_1991581
chr11	1.23E+08	122977412	+	6.9E-21	1.7267E-19	0.307192	hyper	sig	chr11_122977412
chr8	1.23E+08	123207304	+	6.902E-21	1.7272E-19	0.37502	hyper	sig	chr8_123207304
chr11	2161388	2161388	+	6.916E-21	1.7305E-19	-0.26252	hypo	sig	chr11_2161388
chr17	80192551	80192551	+	6.918E-21	1.7309E-19	0.277426	hyper	sig	chr17_80192551
chr17	81647825	81647825	+	6.921E-21	1.7318E-19	0.308205	hyper	sig	chr17_81647825
chr12	54000187	54000187	+	6.928E-21	1.7333E-19	0.317099	hyper	sig	chr12_54000187
chr13	21912564	21912564	+	6.931E-21	1.7342E-19	-0.2635	hypo	sig	chr13_21912564
chr12	1.24E+08	124388783	+	6.932E-21	1.7343E-19	0.33914	hyper	sig	chr12_124388783
chr20	24470484	24470484	+	6.939E-21	1.736E-19	0.27605	hyper	sig	chr20_24470484
chr17	81291959	81291959	+	6.949E-21	1.7384E-19	0.226893	hyper	sig	chr17_81291959
chr3	62371514	62371514	+	6.95E-21	1.7385E-19	0.325053	hyper	sig	chr3_62371514
chr8	54457919	54457919	+	6.955E-21	1.7398E-19	0.357947	hyper	sig	chr8_54457919
chr10	23171721	23171721	+	6.97E-21	1.7436E-19	0.303618	hyper	sig	chr10_23171721
chr3	1.47E+08	147410402	+	6.982E-21	1.7464E-19	0.319661	hyper	sig	chr3_147410402
chr12	53945100	53945100	+	6.988E-21	1.748E-19	0.273024	hyper	sig	chr12_53945100
chr3	49719150	49719150	+	6.988E-21	1.748E-19	0.205391	hyper	sig	chr3_49719150
chr3	27730365	27730365	+	6.991E-21	1.7487E-19	0.268413	hyper	sig	chr3_27730365
chr4	1.54E+08	153792181	+	6.995E-21	1.7496E-19	0.261493	hyper	sig	chr4_153792181
chr11	66543920	66543920	+	6.998E-21	1.7502E-19	0.273345	hyper	sig	chr11_66543920
chr11	20596684	20596684	+	6.999E-21	1.7504E-19	0.254897	hyper	sig	chr11_20596684
chr12	1.3E+08	130186301	+	6.999E-21	1.7504E-19	-0.32419	hypo	sig	chr12_130186301
chr12	1.13E+08	113464510	+	7.001E-21	1.7508E-19	0.298235	hyper	sig	chr12_113464510
chr5	1.41E+08	141372333	+	7.004E-21	1.7514E-19	0.330993	hyper	sig	chr5_141372333
chr22	46685959	46685959	+	7.007E-21	1.7521E-19	-0.29591	hypo	sig	chr22_46685959
chr3	1.61E+08	161104785	+	7.011E-21	1.753E-19	0.221777	hyper	sig	chr3_161104785
chr8	24914796	24914796	+	7.011E-21	1.753E-19	0.251954	hyper	sig	chr8_24914796
chr5	33937077	33937077	+	7.02E-21	1.7552E-19	0.29363	hyper	sig	chr5_33937077
chr7	1556624	1556624	+	7.02E-21	1.7552E-19	-0.24963	hypo	sig	chr7_1556624
chr2	1.82E+08	181682630	+	7.025E-21	1.7563E-19	0.370775	hyper	sig	chr2_181682630
chr8	860957	860957	+	7.03E-21	1.7574E-19	-0.28549	hypo	sig	chr8_860957
chr19	17540239	17540239	+	7.031E-21	1.7575E-19	0.323072	hyper	sig	chr19_17540239
chr6	27680558	27680558	+	7.031E-21	1.7575E-19	0.279179	hyper	sig	chr6_27680558
chr11	66863949	66863949	+	7.044E-21	1.7609E-19	-0.25982	hypo	sig	chr11_66863949
chr11	8168687	8168687	+	7.045E-21	1.7609E-19	0.312373	hyper	sig	chr11_8168687
chr20	63254903	63254903	+	7.049E-21	1.762E-19	0.326513	hyper	sig	chr20_63254903
chr10	35608042	35608042	+	7.071E-21	1.7674E-19	0.321763	hyper	sig	chr10_35608042
chr9	1.31E+08	131013552	+	7.071E-21	1.7674E-19	-0.2582	hypo	sig	chr9_131013552
chr12	5947476	5947476	+	7.073E-21	1.7677E-19	-0.2816	hypo	sig	chr12_5947476
chr17	76698138	76698138	+	7.078E-21	1.7689E-19	0.298087	hyper	sig	chr17_76698138
chr8	41645175	41645175	+	7.08E-21	1.7693E-19	-0.27869	hypo	sig	chr8_41645175
chr6	83524702	83524702	+	7.087E-21	1.771E-19	-0.21048	hypo	sig	chr6_83524702

chr17	48571195	48571195	+	7.093E-21	1.7726E-19	0.270159	hyper	sig	chr17_48571195
chr11	56137354	56137354	+	7.099E-21	1.774E-19	-0.3034	hypo	sig	chr11_56137354
chr13	36674776	36674776	+	7.104E-21	1.7752E-19	0.243794	hyper	sig	chr13_36674776
chr12	53938911	53938911	+	7.104E-21	1.7752E-19	0.280112	hyper	sig	chr12_53938911
chr19	3136570	3136570	+	7.105E-21	1.7753E-19	-0.29598	hypo	sig	chr19_3136570
chr6	1.59E+08	159169027	+	7.111E-21	1.7768E-19	0.284053	hyper	sig	chr6_159169027
chr2	1.55E+08	154698996	+	7.113E-21	1.7773E-19	0.294331	hyper	sig	chr2_154698996
chr21	31557558	31557558	+	7.131E-21	1.7816E-19	0.2329	hyper	sig	chr21_31557558
chr2	1696954	1696954	+	7.133E-21	1.7821E-19	-0.26584	hypo	sig	chr2_1696954
chr14	1E+08	100076247	+	7.148E-21	1.7859E-19	-0.28632	hypo	sig	chr14_100076247
chr16	1221171	1221171	+	7.153E-21	1.787E-19	-0.41843	hypo	sig	chr16_1221171
chr3	79767851	79767851	+	7.154E-21	1.7871E-19	0.281637	hyper	sig	chr3_79767851
chr19	345310	345310	+	7.158E-21	1.7881E-19	0.336929	hyper	sig	chr19_345310
chr16	88409698	88409698	+	7.16E-21	1.7884E-19	-0.34031	hypo	sig	chr16_88409698
chr8	1.43E+08	143155729	+	7.16E-21	1.7884E-19	-0.30509	hypo	sig	chr8_143155729
chr5	1.41E+08	141351743	+	7.165E-21	1.7897E-19	0.294405	hyper	sig	chr5_141351743
chr6	33161256	33161256	+	7.167E-21	1.7901E-19	0.305065	hyper	sig	chr6_33161256
chr1	22870644	22870644	+	7.179E-21	1.7929E-19	0.331863	hyper	sig	chr1_22870644
chr12	34165180	34165180	+	7.185E-21	1.7944E-19	-0.30018	hypo	sig	chr12_34165180
chr10	1.31E+08	131396823	+	7.185E-21	1.7944E-19	0.282872	hyper	sig	chr10_131396823
chr8	42499312	42499312	+	7.185E-21	1.7944E-19	0.311994	hyper	sig	chr8_42499312
chr8	1.42E+08	141974213	+	7.193E-21	1.7964E-19	-0.25529	hypo	sig	chr8_141974213
chr3	1.72E+08	172449967	+	7.202E-21	1.7986E-19	0.333603	hyper	sig	chr3_172449967
chr9	1.04E+08	104363163	+	7.203E-21	1.7988E-19	-0.26117	hypo	sig	chr9_104363163
chr7	1055418	1055418	+	7.207E-21	1.7996E-19	0.309407	hyper	sig	chr7_1055418
chr1	24965414	24965414	+	7.212E-21	1.8007E-19	-0.38856	hypo	sig	chr1_24965414
chr16	62036256	62036256	+	7.216E-21	1.8017E-19	0.309877	hyper	sig	chr16_62036256
chr8	26010543	26010543	+	7.23E-21	1.8051E-19	0.266315	hyper	sig	chr8_26010543
chr12	53103001	53103001	+	7.232E-21	1.8057E-19	-0.3362	hypo	sig	chr12_53103001
chr12	1.13E+08	113476031	+	7.237E-21	1.8068E-19	0.302052	hyper	sig	chr12_113476031
chr3	9955270	9955270	+	7.252E-21	1.8105E-19	0.301781	hyper	sig	chr3_9955270
chr22	29313398	29313398	+	7.255E-21	1.8112E-19	0.280876	hyper	sig	chr22_29313398
chr14	1.01E+08	101442502	+	7.265E-21	1.8136E-19	-0.25733	hypo	sig	chr14_101442502
chr6	1.5E+08	149965105	+	7.268E-21	1.8143E-19	0.249486	hyper	sig	chr6_149965105
chr10	1.32E+08	131676241	+	7.27E-21	1.8149E-19	-0.27891	hypo	sig	chr10_131676241
chr13	44374041	44374041	+	7.278E-21	1.8168E-19	0.212279	hyper	sig	chr13_44374041
chr13	52848725	52848725	+	7.279E-21	1.8168E-19	0.268547	hyper	sig	chr13_52848725
chr20	23048340	23048340	+	7.284E-21	1.818E-19	0.29079	hyper	sig	chr20_23048340
chr4	8646468	8646468	+	7.284E-21	1.818E-19	-0.30112	hypo	sig	chr4_8646468
chr5	73382366	73382366	+	7.286E-21	1.8185E-19	0.233294	hyper	sig	chr5_73382366
chr1	1.57E+08	156656957	+	7.296E-21	1.8209E-19	0.280855	hyper	sig	chr1_156656957
chr17	78132584	78132584	+	7.301E-21	1.822E-19	-0.23792	hypo	sig	chr17_78132584
chr17	74671567	74671567	+	7.313E-21	1.8249E-19	0.310801	hyper	sig	chr17_74671567
chr12	1.03E+08	102961550	+	7.316E-21	1.8256E-19	0.269528	hyper	sig	chr12_102961550
chr7	18087279	18087279	+	7.318E-21	1.8263E-19	0.262717	hyper	sig	chr7_18087279
chr17	63437394	63437394	+	7.32E-21	1.8266E-19	0.262918	hyper	sig	chr17_63437394
chr10	3288364	3288364	+	7.322E-21	1.8271E-19	-0.32228	hypo	sig	chr10_3288364
chr7	35257492	35257492	+	7.33E-21	1.829E-19	0.252795	hyper	sig	chr7_35257492
chr10	12128825	12128825	+	7.332E-21	1.8295E-19	-0.35277	hypo	sig	chr10_12128825
chr1	1.19E+08	118993674	+	7.334E-21	1.8299E-19	0.291605	hyper	sig	chr1_118993674
chr7	1.57E+08	157302532	+	7.335E-21	1.8299E-19	-0.28907	hypo	sig	chr7_157302532
chr15	76345918	76345918	+	7.337E-21	1.8303E-19	-0.23728	hypo	sig	chr15_76345918
chr1	1.19E+08	118983675	+	7.337E-21	1.8304E-19	0.28033	hyper	sig	chr1_118983675
chr5	2197177	2197177	+	7.353E-21	1.8343E-19	0.303647	hyper	sig	chr5_2197177
chr7	76259900	76259900	+	7.353E-21	1.8343E-19	0.235004	hyper	sig	chr7_76259900
chr10	1.01E+08	101146849	+	7.356E-21	1.8351E-19	0.260507	hyper	sig	chr10_101146849

chr7	91267183	91267183	+	7.366E-21	1.8374E-19	0.360749	hyper	sig	chr7_91267183
chr20	63494882	63494882	+	7.37E-21	1.8383E-19	-0.33519	hypo	sig	chr20_63494882
chr14	90850712	90850712	+	7.371E-21	1.8385E-19	-0.26326	hypo	sig	chr14_90850712
chr10	86263116	86263116	+	7.372E-21	1.8387E-19	0.271652	hyper	sig	chr10_86263116
chr5	1.41E+08	141350578	+	7.385E-21	1.8418E-19	0.318775	hyper	sig	chr5_141350578
chr11	57467939	57467939	+	7.389E-21	1.8427E-19	0.23407	hyper	sig	chr11_57467939
chr11	30585076	30585076	+	7.395E-21	1.844E-19	0.290281	hyper	sig	chr11_30585076
chr7	99498827	99498827	+	7.415E-21	1.849E-19	-0.2799	hypo	sig	chr7_99498827
chr5	2008094	2008094	+	7.416E-21	1.8491E-19	0.288257	hyper	sig	chr5_2008094
chr13	25301168	25301168	+	7.416E-21	1.8493E-19	0.298056	hyper	sig	chr13_25301168
chr11	314266	314266	+	7.422E-21	1.8506E-19	-0.2109	hypo	sig	chr11_314266
chr21	33027028	33027028	+	7.423E-21	1.8507E-19	0.253193	hyper	sig	chr21_33027028
chr2	2.42E+08	241902630	+	7.426E-21	1.8514E-19	0.286911	hyper	sig	chr2_241902630
chr4	1.54E+08	153789389	+	7.438E-21	1.8545E-19	0.249661	hyper	sig	chr4_153789389
chr20	30891837	30891837	+	7.456E-21	1.8588E-19	0.328541	hyper	sig	chr20_30891837
chr13	1.11E+08	110526051	+	7.457E-21	1.859E-19	-0.34939	hypo	sig	chr13_110526051
chr4	8191396	8191396	+	7.457E-21	1.8591E-19	-0.28447	hypo	sig	chr4_8191396
chr11	79438997	79438997	+	7.458E-21	1.8592E-19	0.225343	hyper	sig	chr11_79438997
chr7	1.37E+08	136869947	+	7.469E-21	1.8619E-19	0.385149	hyper	sig	chr7_136869947
chr13	1.13E+08	113420706	+	7.478E-21	1.864E-19	-0.26039	hypo	sig	chr13_113420706
chr8	1.04E+08	103500823	+	7.481E-21	1.8647E-19	0.317572	hyper	sig	chr8_103500823
chr6	30163681	30163681	+	7.498E-21	1.8689E-19	-0.32771	hypo	sig	chr6_30163681
chr3	1.39E+08	138936985	+	7.499E-21	1.8692E-19	0.220038	hyper	sig	chr3_138936985
chr21	33027030	33027030	+	7.504E-21	1.8703E-19	0.255608	hyper	sig	chr21_33027030
chr19	15011194	15011194	+	7.506E-21	1.8707E-19	0.281757	hyper	sig	chr19_15011194
chr1	81503249	81503249	+	7.51E-21	1.8716E-19	-0.30344	hypo	sig	chr1_81503249
chr5	1.41E+08	141374136	+	7.516E-21	1.8731E-19	0.340173	hyper	sig	chr5_141374136
chr9	1.34E+08	133972317	+	7.52E-21	1.8741E-19	-0.29453	hypo	sig	chr9_133972317
chr3	10108295	10108295	+	7.521E-21	1.8742E-19	0.257101	hyper	sig	chr3_10108295
chr6	1.69E+08	168889107	+	7.532E-21	1.8768E-19	0.218388	hyper	sig	chr6_168889107
chr13	26742980	26742980	+	7.533E-21	1.8772E-19	0.326079	hyper	sig	chr13_26742980
chr14	60653944	60653944	+	7.534E-21	1.8775E-19	0.23387	hyper	sig	chr14_60653944
chr7	1538594	1538594	+	7.541E-21	1.8791E-19	0.376386	hyper	sig	chr7_1538594
chr7	4725263	4725263	+	7.543E-21	1.8794E-19	0.25048	hyper	sig	chr7_4725263
chr7	6160512	6160512	+	7.544E-21	1.8796E-19	0.338319	hyper	sig	chr7_6160512
chr20	63123533	63123533	+	7.551E-21	1.8813E-19	-0.29428	hypo	sig	chr20_63123533
chr12	1.15E+08	114687316	+	7.555E-21	1.8824E-19	0.332772	hyper	sig	chr12_114687316
chr19	49037716	49037716	+	7.56E-21	1.8835E-19	-0.23325	hypo	sig	chr19_49037716
chr12	1.17E+08	117361597	+	7.57E-21	1.8858E-19	0.240628	hyper	sig	chr12_117361597
chr10	99232897	99232897	+	7.579E-21	1.8881E-19	0.265537	hyper	sig	chr10_99232897
chr4	213094	213094	+	7.58E-21	1.8883E-19	0.342474	hyper	sig	chr4_213094
chr14	28774532	28774532	+	7.589E-21	1.8904E-19	0.296612	hyper	sig	chr14_28774532
chr9	1.31E+08	131274893	+	7.589E-21	1.8904E-19	-0.31024	hypo	sig	chr9_131274893
chr5	1.49E+08	149453357	+	7.59E-21	1.8905E-19	0.266385	hyper	sig	chr5_149453357
chr7	45921665	45921665	+	7.597E-21	1.8924E-19	0.312311	hyper	sig	chr7_45921665
chr4	1.54E+08	153792141	+	7.603E-21	1.8937E-19	0.311881	hyper	sig	chr4_153792141
chr8	1.19E+08	118614789	+	7.603E-21	1.8938E-19	0.255754	hyper	sig	chr8_118614789
chr7	1.28E+08	128032229	+	7.604E-21	1.8938E-19	0.268401	hyper	sig	chr7_128032229
chr3	9552484	9552484	+	7.606E-21	1.8944E-19	0.293804	hyper	sig	chr3_9552484
chr18	37567184	37567184	+	7.614E-21	1.8961E-19	0.241866	hyper	sig	chr18_37567184
chr1	1.95E+08	195054437	+	7.621E-21	1.8979E-19	-0.25426	hypo	sig	chr1_195054437
chr2	2.28E+08	228181728	+	7.625E-21	1.8988E-19	0.372185	hyper	sig	chr2_228181728
chr4	21304420	21304420	+	7.637E-21	1.9016E-19	0.238587	hyper	sig	chr4_21304420
chr5	1.59E+08	159104372	+	7.636E-21	1.9016E-19	0.4082	hyper	sig	chr5_159104372
chr10	1.22E+08	122468972	+	7.64E-21	1.9025E-19	-0.29506	hypo	sig	chr10_122468972
chr7	20794792	20794792	+	7.646E-21	1.9039E-19	0.229665	hyper	sig	chr7_20794792

chr19	17689658	17689658	+	7.658E-21	1.9067E-19	-0.27489	hypo	sig	chr19_17689658
chr8	49911757	49911757	+	7.661E-21	1.9075E-19	0.299594	hyper	sig	chr8_49911757
chr1	2.27E+08	226637860	+	7.67E-21	1.9096E-19	0.320381	hyper	sig	chr1_226637860
chr12	1.13E+08	113472766	+	7.67E-21	1.9097E-19	0.300142	hyper	sig	chr12_113472766
chr18	58449820	58449820	+	7.674E-21	1.9105E-19	-0.27345	hypo	sig	chr18_58449820
chr13	76887196	76887196	+	7.674E-21	1.9105E-19	0.215602	hyper	sig	chr13_76887196
chr19	15723125	15723125	+	7.683E-21	1.9125E-19	0.30238	hyper	sig	chr19_15723125
chr4	5708151	5708151	+	7.683E-21	1.9126E-19	0.303251	hyper	sig	chr4_5708151
chr19	45385595	45385595	+	7.686E-21	1.9131E-19	0.357581	hyper	sig	chr19_45385595
chr5	14441074	14441074	+	7.696E-21	1.9155E-19	0.373634	hyper	sig	chr5_14441074
chr14	60507169	60507169	+	7.706E-21	1.9179E-19	0.314339	hyper	sig	chr14_60507169
chr7	1.4E+08	140229848	+	7.712E-21	1.9193E-19	-0.25884	hypo	sig	chr7_140229848
chr17	78854116	78854116	+	7.712E-21	1.9195E-19	-0.2532	hypo	sig	chr17_78854116
chr18	79022786	79022786	+	7.717E-21	1.9205E-19	-0.24343	hypo	sig	chr18_79022786
chr19	58356254	58356254	+	7.718E-21	1.9208E-19	0.335174	hyper	sig	chr19_58356254
chr7	96997838	96997838	+	7.744E-21	1.9272E-19	0.344229	hyper	sig	chr7_96997838
chr6	50845930	50845930	+	7.746E-21	1.9275E-19	0.388392	hyper	sig	chr6_50845930
chr14	44963277	44963277	+	7.75E-21	1.9285E-19	0.264789	hyper	sig	chr14_44963277
chr5	1.79E+08	179254007	+	7.754E-21	1.9296E-19	-0.3509	hypo	sig	chr5_179254007
chr19	42005634	42005634	+	7.756E-21	1.9298E-19	-0.24993	hypo	sig	chr19_42005634
chr13	1.12E+08	112195223	+	7.765E-21	1.9321E-19	-0.39309	hypo	sig	chr13_112195223
chr1	1.13E+08	112850489	+	7.774E-21	1.9342E-19	-0.41229	hypo	sig	chr1_112850489
chr6	1E+08	100448997	+	7.775E-21	1.9344E-19	0.255552	hyper	sig	chr6_100448997
chr17	10026784	10026784	+	7.777E-21	1.9349E-19	-0.26816	hypo	sig	chr17_10026784
chr12	1.29E+08	129337714	+	7.787E-21	1.9372E-19	-0.2815	hypo	sig	chr12_129337714
chr5	1.81E+08	181100385	+	7.791E-21	1.9382E-19	0.282539	hyper	sig	chr5_181100385
chr3	1.26E+08	126266175	+	7.796E-21	1.9392E-19	-0.29021	hypo	sig	chr3_126266175
chr5	88685401	88685401	+	7.799E-21	1.94E-19	0.314804	hyper	sig	chr5_88685401
chr4	1.09E+08	109302568	+	7.807E-21	1.942E-19	0.285752	hyper	sig	chr4_109302568
chr17	80280113	80280113	+	7.812E-21	1.9431E-19	0.28311	hyper	sig	chr17_80280113
chr5	16179009	16179009	+	7.824E-21	1.9459E-19	0.311751	hyper	sig	chr5_16179009
chr1	54996541	54996541	+	7.825E-21	1.9462E-19	-0.38239	hypo	sig	chr1_54996541
chr1	12143664	12143664	+	7.851E-21	1.9525E-19	-0.26236	hypo	sig	chr1_12143664
chr6	33080640	33080640	+	7.855E-21	1.9536E-19	0.437566	hyper	sig	chr6_33080640
chr7	35454752	35454752	+	7.857E-21	1.954E-19	0.328863	hyper	sig	chr7_35454752
chr15	93900166	93900166	+	7.866E-21	1.9561E-19	-0.22919	hypo	sig	chr15_93900166
chr15	63596894	63596894	+	7.868E-21	1.9566E-19	0.288522	hyper	sig	chr15_63596894
chr7	1.57E+08	157466104	+	7.868E-21	1.9566E-19	0.279761	hyper	sig	chr7_157466104
chr16	68263324	68263324	+	7.874E-21	1.958E-19	0.328269	hyper	sig	chr16_68263324
chr4	17781640	17781640	+	7.886E-21	1.9609E-19	0.243866	hyper	sig	chr4_17781640
chr2	2E+08	199603899	+	7.888E-21	1.9613E-19	0.300498	hyper	sig	chr2_199603899
chr6	1.5E+08	149964357	+	7.891E-21	1.9619E-19	0.239684	hyper	sig	chr6_149964357
chr11	1.23E+08	122977828	+	7.894E-21	1.9626E-19	0.321531	hyper	sig	chr11_122977828
chr2	1.61E+08	161416757	+	7.895E-21	1.9628E-19	0.29119	hyper	sig	chr2_161416757
chr17	81392405	81392405	+	7.9E-21	1.9639E-19	0.373584	hyper	sig	chr17_81392405
chr1	2.03E+08	203223609	+	7.901E-21	1.9642E-19	-0.24084	hypo	sig	chr1_203223609
chr6	589422	589422	+	7.911E-21	1.9666E-19	0.207921	hyper	sig	chr6_589422
chr7	1714001	1714001	+	7.931E-21	1.9715E-19	-0.2423	hypo	sig	chr7_1714001
chr1	1357219	1357219	+	7.938E-21	1.973E-19	0.349525	hyper	sig	chr1_1357219
chr1	47445664	47445664	+	7.946E-21	1.9751E-19	0.391395	hyper	sig	chr1_47445664
chr7	1.5E+08	150322866	+	7.948E-21	1.9754E-19	-0.24087	hypo	sig	chr7_150322866
chr1	24931879	24931879	+	7.949E-21	1.9757E-19	0.38376	hyper	sig	chr1_24931879
chr15	41970158	41970158	+	7.95E-21	1.9758E-19	-0.20476	hypo	sig	chr15_41970158
chr6	1.66E+08	165819578	+	7.951E-21	1.9761E-19	0.272155	hyper	sig	chr6_165819578
chr6	1.54E+08	154039781	+	7.959E-21	1.9781E-19	0.332544	hyper	sig	chr6_154039781
chr2	1.64E+08	163730076	+	7.968E-21	1.9802E-19	-0.22374	hypo	sig	chr2_163730076

chr3	1.82E+08	181724047	+	7.97E-21	1.9806E-19	0.253718	hyper	sig	chr3_181724047
chr13	52848298	52848298	+	7.979E-21	1.9827E-19	0.273407	hyper	sig	chr13_52848298
chr10	1.17E+08	117132185	+	7.98E-21	1.9829E-19	0.364816	hyper	sig	chr10_117132185
chr2	5672349	5672349	+	7.985E-21	1.9842E-19	-0.36804	hypo	sig	chr2_5672349
chr11	1.26E+08	126356201	+	7.998E-21	1.9873E-19	0.246505	hyper	sig	chr11_126356201
chr3	9878851	9878851	+	8E-21	1.9878E-19	-0.2753	hypo	sig	chr3_9878851
chr17	76446324	76446324	+	8.004E-21	1.9887E-19	-0.28639	hypo	sig	chr17_76446324
chr6	1.66E+08	165930919	+	8.029E-21	1.9947E-19	-0.2381	hypo	sig	chr6_165930919
chr12	1.24E+08	123931794	+	8.036E-21	1.9965E-19	-0.28884	hypo	sig	chr12_123931794
chr19	39892180	39892180	+	8.037E-21	1.9967E-19	0.253433	hyper	sig	chr19_39892180
chr8	48581613	48581613	+	8.039E-21	1.997E-19	0.342445	hyper	sig	chr8_48581613
chr11	22193760	22193760	+	8.049E-21	1.9995E-19	0.215131	hyper	sig	chr11_22193760
chr4	41867372	41867372	+	8.05E-21	1.9996E-19	0.256578	hyper	sig	chr4_41867372
chr12	1.3E+08	130453616	+	8.055E-21	2.0008E-19	-0.32924	hypo	sig	chr12_130453616
chr1	2.21E+08	220884187	+	8.062E-21	2.0024E-19	0.342909	hyper	sig	chr1_220884187
chr19	46489738	46489738	+	8.065E-21	2.003E-19	0.277289	hyper	sig	chr19_46489738
chr1	1.48E+08	148310236	+	8.07E-21	2.0042E-19	0.318084	hyper	sig	chr1_148310236
chr7	71132895	71132895	+	8.072E-21	2.0048E-19	0.287078	hyper	sig	chr7_71132895
chr16	56190916	56190916	+	8.081E-21	2.0069E-19	0.231716	hyper	sig	chr16_56190916
chr4	1.47E+08	146640796	+	8.081E-21	2.0069E-19	0.348976	hyper	sig	chr4_146640796
chr3	28575356	28575356	+	8.084E-21	2.0076E-19	0.311973	hyper	sig	chr3_28575356
chr2	2.42E+08	241852851	+	8.085E-21	2.0077E-19	-0.22258	hypo	sig	chr2_241852851
chr2	2.22E+08	221570617	+	8.088E-21	2.0084E-19	0.246422	hyper	sig	chr2_221570617
chr6	1.68E+08	167824792	+	8.091E-21	2.009E-19	0.262488	hyper	sig	chr6_167824792
chr9	1.36E+08	136356413	+	8.094E-21	2.0098E-19	-0.33293	hypo	sig	chr9_136356413
chr11	92225959	92225959	+	8.1E-21	2.0111E-19	0.263165	hyper	sig	chr11_92225959
chr19	15897952	15897952	+	8.121E-21	2.0163E-19	-0.33298	hypo	sig	chr19_15897952
chr17	77282011	77282011	+	8.123E-21	2.0168E-19	-0.20151	hypo	sig	chr17_77282011
chr12	1.32E+08	132343775	+	8.148E-21	2.0229E-19	0.293525	hyper	sig	chr12_132343775
chr7	1.29E+08	128841254	+	8.149E-21	2.0232E-19	-0.36415	hypo	sig	chr7_128841254
chr12	1.24E+08	124412235	+	8.151E-21	2.0236E-19	0.303219	hyper	sig	chr12_124412235
chr2	63053947	63053947	+	8.157E-21	2.025E-19	0.264927	hyper	sig	chr2_63053947
chr1	54548340	54548340	+	8.16E-21	2.0258E-19	0.371619	hyper	sig	chr1_54548340
chr8	1099471	1099471	+	8.163E-21	2.0264E-19	-0.24687	hypo	sig	chr8_1099471
chr1	2.36E+08	236155168	+	8.166E-21	2.027E-19	-0.23232	hypo	sig	chr1_236155168
chr4	1.9E+08	189810289	+	8.167E-21	2.0271E-19	0.251508	hyper	sig	chr4_189810289
chr2	2.36E+08	235501216	+	8.183E-21	2.0312E-19	-0.30793	hypo	sig	chr2_235501216
chr11	30016149	30016149	+	8.188E-21	2.0322E-19	0.305175	hyper	sig	chr11_30016149
chr7	35261458	35261458	+	8.193E-21	2.0335E-19	0.263065	hyper	sig	chr7_35261458
chr5	73420161	73420161	+	8.199E-21	2.0349E-19	0.225189	hyper	sig	chr5_73420161
chr16	70687873	70687873	+	8.208E-21	2.0369E-19	0.352615	hyper	sig	chr16_70687873
chr11	1.21E+08	120512956	+	8.215E-21	2.0387E-19	-0.32638	hypo	sig	chr11_120512956
chr21	26967840	26967840	+	8.217E-21	2.0391E-19	0.267364	hyper	sig	chr21_26967840
chr17	41098187	41098187	+	8.217E-21	2.0391E-19	-0.2866	hypo	sig	chr17_41098187
chr10	1.33E+08	132520716	+	8.232E-21	2.0426E-19	0.317153	hyper	sig	chr10_132520716
chr17	79985975	79985975	+	8.234E-21	2.0432E-19	-0.30558	hypo	sig	chr17_79985975
chr1	44640762	44640762	+	8.238E-21	2.0441E-19	0.2518	hyper	sig	chr1_44640762
chr7	2063694	2063694	+	8.24E-21	2.0444E-19	-0.35897	hypo	sig	chr7_2063694
chr2	1757615	1757615	+	8.244E-21	2.0455E-19	-0.40654	hypo	sig	chr2_1757615
chr8	64576467	64576467	+	8.245E-21	2.0455E-19	0.292231	hyper	sig	chr8_64576467
chr17	48726801	48726801	+	8.247E-21	2.0461E-19	0.292921	hyper	sig	chr17_48726801
chr6	32204347	32204347	+	8.262E-21	2.0496E-19	-0.23799	hypo	sig	chr6_32204347
chr20	23048424	23048424	+	8.267E-21	2.0509E-19	0.326145	hyper	sig	chr20_23048424
chr16	77788522	77788522	+	8.282E-21	2.0545E-19	0.218409	hyper	sig	chr16_77788522
chr7	1.58E+08	158237893	+	8.289E-21	2.0562E-19	-0.29377	hypo	sig	chr7_158237893
chr10	1.01E+08	101236490	+	8.292E-21	2.0569E-19	0.251611	hyper	sig	chr10_101236490

chr7	20776620	20776620	+	8.292E-21	2.0569E-19	0.276901	hyper	sig	chr7_20776620
chr2	1.81E+08	181457074	+	8.297E-21	2.0579E-19	0.213283	hyper	sig	chr2_181457074
chr15	89360378	89360378	+	8.3E-21	2.0587E-19	0.448255	hyper	sig	chr15_89360378
chr16	51111008	51111008	+	8.301E-21	2.0589E-19	-0.35491	hypo	sig	chr16_51111008
chr7	88760119	88760119	+	8.312E-21	2.0615E-19	0.309887	hyper	sig	chr7_88760119
chr1	1.44E+08	143652094	+	8.313E-21	2.0617E-19	0.364496	hyper	sig	chr1_143652094
chr11	27721962	27721962	+	8.321E-21	2.0637E-19	0.205437	hyper	sig	chr11_27721962
chr15	83107139	83107139	+	8.325E-21	2.0645E-19	0.203769	hyper	sig	chr15_83107139
chr22	45867144	45867144	+	8.332E-21	2.0661E-19	0.234106	hyper	sig	chr22_45867144
chr7	3957224	3957224	+	8.336E-21	2.0671E-19	-0.26116	hypo	sig	chr7_3957224
chr17	65538577	65538577	+	8.341E-21	2.0683E-19	-0.22372	hypo	sig	chr17_65538577
chr2	1.09E+08	109031553	+	8.349E-21	2.0702E-19	0.238648	hyper	sig	chr2_109031553
chr16	86516411	86516411	+	8.351E-21	2.0706E-19	0.319509	hyper	sig	chr16_86516411
chr11	637523	637523	+	8.352E-21	2.0709E-19	0.286378	hyper	sig	chr11_637523
chr2	1.63E+08	163348185	+	8.354E-21	2.0712E-19	0.32266	hyper	sig	chr2_163348185
chr4	728123	728123	+	8.368E-21	2.0746E-19	0.222399	hyper	sig	chr4_728123
chr3	1.47E+08	147407927	+	8.372E-21	2.0755E-19	0.305077	hyper	sig	chr3_147407927
chr11	27721926	27721926	+	8.385E-21	2.0786E-19	0.234477	hyper	sig	chr11_27721926
chr19	4891367	4891367	+	8.385E-21	2.0786E-19	-0.20567	hypo	sig	chr19_4891367
chr19	3369822	3369822	+	8.4E-21	2.0823E-19	0.362721	hyper	sig	chr19_3369822
chr9	1.3E+08	130186170	+	8.408E-21	2.0842E-19	0.299169	hyper	sig	chr9_130186170
chr11	69382633	69382633	+	8.412E-21	2.0852E-19	-0.31166	hypo	sig	chr11_69382633
chr7	35257416	35257416	+	8.415E-21	2.0857E-19	0.297519	hyper	sig	chr7_35257416
chr6	29730628	29730628	+	8.416E-21	2.0861E-19	-0.3115	hypo	sig	chr6_29730628
chr7	5479287	5479287	+	8.419E-21	2.0867E-19	0.328267	hyper	sig	chr7_5479287
chr12	53938957	53938957	+	8.42E-21	2.087E-19	0.339115	hyper	sig	chr12_53938957
chr3	4977132	4977132	+	8.424E-21	2.0879E-19	-0.23161	hypo	sig	chr3_4977132
chr11	20161029	20161029	+	8.43E-21	2.0892E-19	0.259599	hyper	sig	chr11_20161029
chr16	22813934	22813934	+	8.434E-21	2.0901E-19	0.273631	hyper	sig	chr16_22813934
chr1	2.08E+08	207959182	+	8.436E-21	2.0905E-19	0.202284	hyper	sig	chr1_207959182
chr10	49679742	49679742	+	8.441E-21	2.0918E-19	0.289443	hyper	sig	chr10_49679742
chr4	41880552	41880552	+	8.441E-21	2.0918E-19	0.243839	hyper	sig	chr4_41880552
chr16	1533856	1533856	+	8.457E-21	2.0956E-19	0.244062	hyper	sig	chr16_1533856
chr10	8055365	8055365	+	8.463E-21	2.097E-19	0.255779	hyper	sig	chr10_8055365
chr8	64369643	64369643	+	8.471E-21	2.099E-19	0.264578	hyper	sig	chr8_64369643
chr2	1.72E+08	172091202	+	8.474E-21	2.0997E-19	0.303834	hyper	sig	chr2_172091202
chr20	58517585	58517585	+	8.476E-21	2.1E-19	-0.31327	hypo	sig	chr20_58517585
chr2	1.19E+08	118845539	+	8.48E-21	2.1009E-19	0.317033	hyper	sig	chr2_118845539
chr10	1.01E+08	101228555	+	8.488E-21	2.1029E-19	0.258256	hyper	sig	chr10_101228555
chr3	1.86E+08	186361516	+	8.496E-21	2.1049E-19	0.297441	hyper	sig	chr3_186361516
chr4	1.11E+08	110630870	+	8.498E-21	2.1054E-19	0.277977	hyper	sig	chr4_110630870
chr6	29828075	29828075	+	8.499E-21	2.1055E-19	0.232499	hyper	sig	chr6_29828075
chr7	1.5E+08	150221076	+	8.502E-21	2.1061E-19	0.225583	hyper	sig	chr7_150221076
chr7	42238490	42238490	+	8.509E-21	2.1077E-19	0.310747	hyper	sig	chr7_42238490
chr19	58562080	58562080	+	8.525E-21	2.1116E-19	0.282621	hyper	sig	chr19_58562080
chr5	3591111	3591111	+	8.533E-21	2.1135E-19	0.267658	hyper	sig	chr5_3591111
chr3	1.96E+08	196179614	+	8.535E-21	2.114E-19	-0.25722	hypo	sig	chr3_196179614
chr19	57317727	57317727	+	8.547E-21	2.117E-19	0.284062	hyper	sig	chr19_57317727
chr7	56229953	56229953	+	8.549E-21	2.1172E-19	0.281365	hyper	sig	chr7_56229953
chr2	45000512	45000512	+	8.55E-21	2.1174E-19	0.293361	hyper	sig	chr2_45000512
chr19	3785873	3785873	+	8.562E-21	2.1204E-19	0.289398	hyper	sig	chr19_3785873
chr7	54544704	54544704	+	8.567E-21	2.1215E-19	0.341149	hyper	sig	chr7_54544704
chr8	41876134	41876134	+	8.568E-21	2.1218E-19	0.255391	hyper	sig	chr8_41876134
chr5	31855064	31855064	+	8.578E-21	2.124E-19	0.240021	hyper	sig	chr5_31855064
chr12	1.13E+08	113464505	+	8.589E-21	2.1268E-19	0.319352	hyper	sig	chr12_113464505
chr8	32549410	32549410	+	8.597E-21	2.1288E-19	0.267527	hyper	sig	chr8_32549410

chr16	3182724	3182724	+	8.65E-21	2.1416E-19	0.279357	hyper	sig	chr16_3182724
chr5	1.41E+08	141398826	+	8.65E-21	2.1416E-19	0.254305	hyper	sig	chr5_141398826
chr6	99608168	99608168	+	8.682E-21	2.1494E-19	0.229688	hyper	sig	chr6_99608168
chr3	49422504	49422504	+	8.685E-21	2.1501E-19	0.247305	hyper	sig	chr3_49422504
chr4	41751278	41751278	+	8.693E-21	2.152E-19	0.272499	hyper	sig	chr4_41751278
chr11	33015028	33015028	+	8.701E-21	2.1538E-19	-0.27661	hypo	sig	chr11_33015028
chr7	2063572	2063572	+	8.705E-21	2.1549E-19	-0.27416	hypo	sig	chr7_2063572
chr1	1758950	1758950	+	8.706E-21	2.155E-19	-0.33416	hypo	sig	chr1_1758950
chr19	4531769	4531769	+	8.706E-21	2.155E-19	-0.25445	hypo	sig	chr19_4531769
chr2	72136641	72136641	+	8.708E-21	2.1553E-19	-0.32605	hypo	sig	chr2_72136641
chr6	28447005	28447005	+	8.709E-21	2.1556E-19	0.255765	hyper	sig	chr6_28447005
chr2	8993928	8993928	+	8.714E-21	2.1568E-19	-0.2768	hypo	sig	chr2_8993928
chr22	16601135	16601135	+	8.724E-21	2.1592E-19	0.253738	hyper	sig	chr22_16601135
chr7	82442823	82442823	+	8.726E-21	2.1597E-19	0.20512	hyper	sig	chr7_82442823
chr7	191704	191704	+	8.728E-21	2.16E-19	0.200344	hyper	sig	chr7_191704
chr6	1.59E+08	159168910	+	8.73E-21	2.1605E-19	0.286957	hyper	sig	chr6_159168910
chr11	65833375	65833375	+	8.745E-21	2.1641E-19	0.253618	hyper	sig	chr11_65833375
chr6	1.01E+08	101392492	+	8.75E-21	2.1653E-19	0.279203	hyper	sig	chr6_101392492
chr20	63775126	63775126	+	8.757E-21	2.1669E-19	0.29972	hyper	sig	chr20_63775126
chr21	45286801	45286801	+	8.772E-21	2.1705E-19	0.318453	hyper	sig	chr21_45286801
chr12	1.14E+08	114403903	+	8.773E-21	2.1707E-19	0.318089	hyper	sig	chr12_114403903
chr5	1.48E+08	147508917	+	8.775E-21	2.1711E-19	0.244456	hyper	sig	chr5_147508917
chr17	19470870	19470870	+	8.779E-21	2.172E-19	0.309759	hyper	sig	chr17_19470870
chr8	49911684	49911684	+	8.779E-21	2.172E-19	0.22725	hyper	sig	chr8_49911684
chr5	1.41E+08	141385051	+	8.786E-21	2.1737E-19	0.261445	hyper	sig	chr5_141385051
chr6	1E+08	100465159	+	8.787E-21	2.1739E-19	0.315676	hyper	sig	chr6_100465159
chr14	76138833	76138833	+	8.789E-21	2.1742E-19	0.307701	hyper	sig	chr14_76138833
chr1	47433540	47433540	+	8.795E-21	2.1758E-19	0.352718	hyper	sig	chr1_47433540
chr7	5297082	5297082	+	8.797E-21	2.176E-19	-0.30198	hypo	sig	chr7_5297082
chr1	1.62E+08	161605995	+	8.81E-21	2.1791E-19	0.319849	hyper	sig	chr1_161605995
chr17	7478364	7478364	+	8.816E-21	2.1805E-19	0.285876	hyper	sig	chr17_7478364
chr7	49775098	49775098	+	8.817E-21	2.1807E-19	0.252885	hyper	sig	chr7_49775098
chr6	1.17E+08	116565113	+	8.818E-21	2.1808E-19	0.327257	hyper	sig	chr6_116565113
chr2	1.1E+08	110206197	+	8.823E-21	2.1821E-19	-0.26029	hypo	sig	chr2_110206197
chr10	92695926	92695926	+	8.836E-21	2.1852E-19	0.299882	hyper	sig	chr10_92695926
chr11	17543149	17543149	+	8.837E-21	2.1855E-19	-0.33943	hypo	sig	chr11_17543149
chr1	58250595	58250595	+	8.844E-21	2.1871E-19	0.242985	hyper	sig	chr1_58250595
chr1	1.83E+08	183416937	+	8.846E-21	2.1874E-19	0.255899	hyper	sig	chr1_183416937
chr10	1.3E+08	129965419	+	8.849E-21	2.188E-19	0.296297	hyper	sig	chr10_129965419
chr6	1.31E+08	131065729	+	8.867E-21	2.1926E-19	-0.27088	hypo	sig	chr6_131065729
chr15	43329750	43329750	+	8.885E-21	2.197E-19	0.248403	hyper	sig	chr15_43329750
chr15	89377738	89377738	+	8.887E-21	2.1974E-19	0.308093	hyper	sig	chr15_89377738
chr17	48550998	48550998	+	8.887E-21	2.1974E-19	0.274105	hyper	sig	chr17_48550998
chr4	1.47E+08	146640650	+	8.888E-21	2.1974E-19	0.295989	hyper	sig	chr4_146640650
chr8	1.18E+08	118074514	+	8.888E-21	2.1975E-19	0.305688	hyper	sig	chr8_118074514
chr12	1.24E+08	124395484	+	8.903E-21	2.2012E-19	0.219544	hyper	sig	chr12_124395484
chr2	2.41E+08	240918923	+	8.911E-21	2.203E-19	-0.34872	hypo	sig	chr2_240918923
chr10	7411935	7411935	+	8.919E-21	2.2049E-19	0.377031	hyper	sig	chr10_7411935
chr13	1.02E+08	101916536	+	8.926E-21	2.2064E-19	0.311198	hyper	sig	chr13_101916536
chr1	39884380	39884380	+	8.928E-21	2.2068E-19	-0.30678	hypo	sig	chr1_39884380
chr11	72013568	72013568	+	8.929E-21	2.2072E-19	0.259288	hyper	sig	chr11_72013568
chr16	57667576	57667576	+	8.93E-21	2.2074E-19	-0.29999	hypo	sig	chr16_57667576
chr19	30226617	30226617	+	8.94E-21	2.2097E-19	0.215495	hyper	sig	chr19_30226617
chr19	43820812	43820812	+	8.945E-21	2.2109E-19	0.255541	hyper	sig	chr19_43820812
chr16	3183433	3183433	+	8.954E-21	2.213E-19	0.230932	hyper	sig	chr16_3183433
chr8	64577306	64577306	+	8.964E-21	2.2155E-19	0.214709	hyper	sig	chr8_64577306

chr3	1.34E+08	133897036	+	9.001E-21	2.2245E-19	-0.26281	hypo	sig	chr3_133897036
chr17	40779764	40779764	+	9.011E-21	2.2269E-19	0.25919	hyper	sig	chr17_40779764
chr19	22709101	22709101	+	9.013E-21	2.2272E-19	0.330673	hyper	sig	chr19_22709101
chr17	47967749	47967749	+	9.013E-21	2.2272E-19	-0.27489	hypo	sig	chr17_47967749
chr13	24719183	24719183	+	9.024E-21	2.2299E-19	-0.28859	hypo	sig	chr13_24719183
chr12	1.32E+08	132446317	+	9.03E-21	2.2312E-19	-0.22627	hypo	sig	chr12_132446317
chr4	89306728	89306728	+	9.036E-21	2.2327E-19	-0.29778	hypo	sig	chr4_89306728
chr7	54542331	54542331	+	9.036E-21	2.2327E-19	0.321637	hyper	sig	chr7_54542331
chr9	1.31E+08	131308167	+	9.037E-21	2.2328E-19	-0.27646	hypo	sig	chr9_131308167
chr11	1.3E+08	129743728	+	9.041E-21	2.2338E-19	-0.33397	hypo	sig	chr11_129743728
chr1	2.48E+08	247855537	+	9.043E-21	2.2341E-19	-0.33904	hypo	sig	chr1_247855537
chr3	1.2E+08	119810362	+	9.05E-21	2.2357E-19	0.275848	hyper	sig	chr3_119810362
chr7	97018121	97018121	+	9.051E-21	2.2358E-19	0.27899	hyper	sig	chr7_97018121
chr6	29553366	29553366	+	9.056E-21	2.2371E-19	0.245704	hyper	sig	chr6_29553366
chr6	98835965	98835965	+	9.057E-21	2.2373E-19	0.218194	hyper	sig	chr6_98835965
chr6	1.5E+08	149965114	+	9.058E-21	2.2374E-19	0.262309	hyper	sig	chr6_149965114
chr15	92581142	92581142	+	9.065E-21	2.2391E-19	-0.32989	hypo	sig	chr15_92581142
chr7	96997776	96997776	+	9.067E-21	2.2394E-19	0.251212	hyper	sig	chr7_96997776
chr13	99989081	99989081	+	9.067E-21	2.2396E-19	0.220487	hyper	sig	chr13_99989081
chr15	52794583	52794583	+	9.068E-21	2.2397E-19	0.317345	hyper	sig	chr15_52794583
chr19	5799357	5799357	+	9.069E-21	2.2398E-19	-0.28885	hypo	sig	chr19_5799357
chr6	31728907	31728907	+	9.073E-21	2.2407E-19	0.200911	hyper	sig	chr6_31728907
chr10	512041	512041	+	9.078E-21	2.242E-19	0.297132	hyper	sig	chr10_512041
chr1	2906271	2906271	+	9.088E-21	2.2444E-19	0.246467	hyper	sig	chr1_2906271
chr5	1.41E+08	141431745	+	9.092E-21	2.2452E-19	0.26285	hyper	sig	chr5_141431745
chr6	73309825	73309825	+	9.1E-21	2.2471E-19	0.221451	hyper	sig	chr6_73309825
chr5	1.32E+08	132225365	+	9.104E-21	2.248E-19	0.272573	hyper	sig	chr5_132225365
chr5	1100377	1100377	+	9.12E-21	2.2519E-19	0.353568	hyper	sig	chr5_1100377
chr8	26040907	26040907	+	9.127E-21	2.2535E-19	0.300234	hyper	sig	chr8_26040907
chr17	6995888	6995888	+	9.129E-21	2.2538E-19	0.242003	hyper	sig	chr17_6995888
chr2	58428942	58428942	+	9.135E-21	2.2552E-19	0.303515	hyper	sig	chr2_58428942
chr14	1.01E+08	101077780	+	9.147E-21	2.2582E-19	0.318287	hyper	sig	chr14_101077780
chr7	1.39E+08	138664002	+	9.148E-21	2.2584E-19	0.313703	hyper	sig	chr7_138664002
chr2	2.22E+08	222295532	+	9.149E-21	2.2584E-19	0.26039	hyper	sig	chr2_222295532
chr2	1.6E+08	159904935	+	9.152E-21	2.2593E-19	-0.20102	hypo	sig	chr2_159904935
chr1	1127413	1127413	+	9.153E-21	2.2595E-19	-0.29202	hypo	sig	chr1_1127413
chr2	96144320	96144320	+	9.157E-21	2.2603E-19	-0.30782	hypo	sig	chr2_96144320
chr8	24918682	24918682	+	9.157E-21	2.2603E-19	-0.29402	hypo	sig	chr8_24918682
chr16	987423	987423	+	9.158E-21	2.2604E-19	-0.37752	hypo	sig	chr16_987423
chr5	1.41E+08	141332916	+	9.16E-21	2.2609E-19	0.285051	hyper	sig	chr5_141332916
chr2	81467464	81467464	+	9.166E-21	2.2622E-19	-0.23607	hypo	sig	chr2_81467464
chr7	4723506	4723506	+	9.181E-21	2.2658E-19	0.287351	hyper	sig	chr7_4723506
chr7	8443277	8443277	+	9.192E-21	2.2685E-19	0.434696	hyper	sig	chr7_8443277
chr14	75427459	75427459	+	9.196E-21	2.2694E-19	0.22536	hyper	sig	chr14_75427459
chr15	93037073	93037073	+	9.204E-21	2.2714E-19	-0.26641	hypo	sig	chr15_93037073
chr16	29785360	29785360	+	9.212E-21	2.2732E-19	0.272159	hyper	sig	chr16_29785360
chr2	95022820	95022820	+	9.217E-21	2.2744E-19	-0.25827	hypo	sig	chr2_95022820
chr3	16536258	16536258	+	9.22E-21	2.275E-19	-0.28002	hypo	sig	chr3_16536258
chr10	26218502	26218502	+	9.238E-21	2.2795E-19	0.346157	hyper	sig	chr10_26218502
chr13	1.12E+08	111972562	+	9.249E-21	2.2821E-19	0.29165	hyper	sig	chr13_111972562
chr3	1.47E+08	147411978	+	9.26E-21	2.2848E-19	0.329637	hyper	sig	chr3_147411978
chr2	2.28E+08	228181827	+	9.268E-21	2.2865E-19	0.355617	hyper	sig	chr2_228181827
chr4	79964194	79964194	+	9.272E-21	2.2874E-19	0.242076	hyper	sig	chr4_79964194
chr19	55302793	55302793	+	9.273E-21	2.2877E-19	-0.2851	hypo	sig	chr19_55302793
chr17	14298410	14298410	+	9.274E-21	2.2879E-19	0.331391	hyper	sig	chr17_14298410
chr19	34839276	34839276	+	9.279E-21	2.289E-19	0.259664	hyper	sig	chr19_34839276

chr14	41605416	41605416	+	9.294E-21	2.2928E-19	0.246899	hyper	sig	chr14_41605416
chr10	1.25E+08	125060823	+	9.297E-21	2.2934E-19	0.280378	hyper	sig	chr10_125060823
chr21	36710882	36710882	+	9.308E-21	2.2961E-19	0.292568	hyper	sig	chr21_36710882
chr22	24583500	24583500	+	9.316E-21	2.298E-19	0.238407	hyper	sig	chr22_24583500
chr11	34174708	34174708	+	9.321E-21	2.2991E-19	0.20488	hyper	sig	chr11_34174708
chr16	85845425	85845425	+	9.328E-21	2.3008E-19	0.313943	hyper	sig	chr16_85845425
chr12	52043667	52043667	+	9.336E-21	2.3026E-19	0.272802	hyper	sig	chr12_52043667
chr11	57637899	57637899	+	9.343E-21	2.3042E-19	0.376099	hyper	sig	chr11_57637899
chr14	77026559	77026559	+	9.346E-21	2.305E-19	0.263935	hyper	sig	chr14_77026559
chr9	16864748	16864748	+	9.354E-21	2.3068E-19	0.283181	hyper	sig	chr9_16864748
chr5	1.51E+08	151155197	+	9.354E-21	2.3069E-19	0.283026	hyper	sig	chr5_151155197
chr12	1.24E+08	124289532	+	9.368E-21	2.3102E-19	0.243785	hyper	sig	chr12_124289532
chr2	27307562	27307562	+	9.372E-21	2.311E-19	0.264528	hyper	sig	chr2_27307562
chr1	3651155	3651155	+	9.372E-21	2.3111E-19	0.308374	hyper	sig	chr1_3651155
chr10	1.33E+08	132832683	+	9.373E-21	2.3112E-19	0.285847	hyper	sig	chr10_132832683
chr2	74436287	74436287	+	9.374E-21	2.3114E-19	0.252831	hyper	sig	chr2_74436287
chr20	23048401	23048401	+	9.375E-21	2.3115E-19	0.262925	hyper	sig	chr20_23048401
chr1	2.21E+08	220884190	+	9.383E-21	2.3132E-19	0.314525	hyper	sig	chr1_220884190
chr11	1.06E+08	105610579	+	9.382E-21	2.3132E-19	0.258837	hyper	sig	chr11_105610579
chr9	841671	841671	+	9.383E-21	2.3132E-19	0.278262	hyper	sig	chr9_841671
chr7	1.55E+08	155462681	+	9.398E-21	2.3168E-19	0.291013	hyper	sig	chr7_155462681
chr6	41239659	41239659	+	9.412E-21	2.3203E-19	0.297418	hyper	sig	chr6_41239659
chr17	36464850	36464850	+	9.421E-21	2.3224E-19	0.361283	hyper	sig	chr17_36464850
chr11	2140912	2140912	+	9.423E-21	2.3229E-19	0.383936	hyper	sig	chr11_2140912
chr21	44682294	44682294	+	9.43E-21	2.3245E-19	-0.29947	hypo	sig	chr21_44682294
chr1	2911233	2911233	+	9.435E-21	2.3257E-19	-0.249	hypo	sig	chr1_2911233
chr19	44749698	44749698	+	9.441E-21	2.3269E-19	-0.25534	hypo	sig	chr19_44749698
chr6	1.63E+08	163096575	+	9.441E-21	2.3269E-19	-0.30226	hypo	sig	chr6_163096575
chr22	46661619	46661619	+	9.457E-21	2.3307E-19	-0.23327	hypo	sig	chr22_46661619
chr12	54006686	54006686	+	9.469E-21	2.3338E-19	-0.22397	hypo	sig	chr12_54006686
chr22	44172612	44172612	+	9.471E-21	2.3341E-19	-0.27514	hypo	sig	chr22_44172612
chr8	1104499	1104499	+	9.48E-21	2.3364E-19	-0.31791	hypo	sig	chr8_1104499
chr7	5349254	5349254	+	9.503E-21	2.3419E-19	0.235042	hyper	sig	chr7_5349254
chr12	78865044	78865044	+	9.516E-21	2.3449E-19	0.236258	hyper	sig	chr12_78865044
chr1	2248603	2248603	+	9.523E-21	2.3465E-19	-0.29957	hypo	sig	chr1_2248603
chr19	51949204	51949204	+	9.524E-21	2.3466E-19	0.276215	hyper	sig	chr19_51949204
chr5	1.46E+08	146342998	+	9.532E-21	2.3486E-19	0.31303	hyper	sig	chr5_146342998
chr6	7051066	7051066	+	9.534E-21	2.3491E-19	-0.35622	hypo	sig	chr6_7051066
chr22	43414358	43414358	+	9.535E-21	2.3493E-19	-0.33605	hypo	sig	chr22_43414358
chr1	1.57E+08	156845170	+	9.537E-21	2.3497E-19	0.333603	hyper	sig	chr1_156845170
chr8	84183806	84183806	+	9.553E-21	2.3533E-19	0.302871	hyper	sig	chr8_84183806
chr12	3491566	3491566	+	9.553E-21	2.3534E-19	0.260018	hyper	sig	chr12_3491566
chr10	49679522	49679522	+	9.57E-21	2.3575E-19	0.239639	hyper	sig	chr10_49679522
chr10	95230786	95230786	+	9.576E-21	2.359E-19	0.30409	hyper	sig	chr10_95230786
chr7	1226008	1226008	+	9.583E-21	2.3606E-19	0.276433	hyper	sig	chr7_1226008
chr19	51949251	51949251	+	9.585E-21	2.361E-19	0.271653	hyper	sig	chr19_51949251
chr10	23172402	23172402	+	9.599E-21	2.3642E-19	0.412174	hyper	sig	chr10_23172402
chr7	2763056	2763056	+	9.617E-21	2.3686E-19	0.300895	hyper	sig	chr7_2763056
chr6	32069697	32069697	+	9.626E-21	2.3706E-19	-0.21749	hypo	sig	chr6_32069697
chr12	1.03E+08	102958685	+	9.655E-21	2.3778E-19	0.206408	hyper	sig	chr12_102958685
chr2	31137891	31137891	+	9.659E-21	2.3787E-19	0.237431	hyper	sig	chr2_31137891
chr3	1.38E+08	137761861	+	9.673E-21	2.3821E-19	0.324832	hyper	sig	chr3_137761861
chr8	1.44E+08	144047052	+	9.68E-21	2.3838E-19	-0.29585	hypo	sig	chr8_144047052
chr6	84764697	84764697	+	9.699E-21	2.3883E-19	0.2194	hyper	sig	chr6_84764697
chr2	44930144	44930144	+	9.7E-21	2.3884E-19	0.257624	hyper	sig	chr2_44930144
chr1	2.14E+08	214303920	+	9.702E-21	2.3887E-19	0.211681	hyper	sig	chr1_214303920

chr17	2983081	2983081	+	9.702E-21	2.3887E-19	0.266463	hyper	sig	chr17_2983081
chr22	36413273	36413273	+	9.713E-21	2.3914E-19	-0.31442	hypo	sig	chr22_36413273
chr7	1.59E+08	158586537	+	9.715E-21	2.392E-19	0.247969	hyper	sig	chr7_158586537
chr20	23044512	23044512	+	9.743E-21	2.3985E-19	-0.2764	hypo	sig	chr20_23044512
chr2	1.27E+08	126656805	+	9.746E-21	2.3992E-19	0.249447	hyper	sig	chr2_126656805
chr6	1.68E+08	167678231	+	9.75E-21	2.4E-19	0.324692	hyper	sig	chr6_167678231
chr2	2566134	2566134	+	9.767E-21	2.4041E-19	-0.29919	hypo	sig	chr2_2566134
chr9	1.31E+08	130927990	+	9.771E-21	2.4052E-19	-0.31631	hypo	sig	chr9_130927990
chr7	2734816	2734816	+	9.772E-21	2.4052E-19	0.333063	hyper	sig	chr7_2734816
chr21	32586124	32586124	+	9.774E-21	2.4056E-19	-0.36936	hypo	sig	chr21_32586124
chr1	26862096	26862096	+	9.776E-21	2.4061E-19	-0.32778	hypo	sig	chr1_26862096
chr17	64778109	64778109	+	9.78E-21	2.407E-19	0.264959	hyper	sig	chr17_64778109
chr7	64870485	64870485	+	9.787E-21	2.4086E-19	-0.35834	hypo	sig	chr7_64870485
chr21	44990061	44990061	+	9.794E-21	2.4102E-19	0.275782	hyper	sig	chr21_44990061
chr5	43034091	43034091	+	9.794E-21	2.4103E-19	0.28108	hyper	sig	chr5_43034091
chr20	21706757	21706757	+	9.798E-21	2.4112E-19	0.289569	hyper	sig	chr20_21706757
chr7	73425188	73425188	+	9.805E-21	2.4128E-19	-0.32584	hypo	sig	chr7_73425188
chr4	1.09E+08	109302544	+	9.817E-21	2.4157E-19	0.242054	hyper	sig	chr4_109302544
chr16	10182842	10182842	+	9.823E-21	2.4171E-19	0.342711	hyper	sig	chr16_10182842
chr1	6276433	6276433	+	9.826E-21	2.4176E-19	0.314572	hyper	sig	chr1_6276433
chr5	1.8E+08	179648747	+	9.844E-21	2.422E-19	-0.30057	hypo	sig	chr5_179648747
chr11	20160486	20160486	+	9.844E-21	2.4221E-19	0.237378	hyper	sig	chr11_20160486
chr1	1.48E+08	148309550	+	9.847E-21	2.4228E-19	0.279343	hyper	sig	chr1_148309550
chr5	1.29E+08	128537590	+	9.85E-21	2.4233E-19	0.26668	hyper	sig	chr5_128537590
chr4	7985592	7985592	+	9.858E-21	2.4253E-19	-0.31148	hypo	sig	chr4_7985592
chr19	58098487	58098487	+	9.86E-21	2.4257E-19	0.25754	hyper	sig	chr19_58098487
chr9	93953892	93953892	+	9.861E-21	2.4259E-19	0.354194	hyper	sig	chr9_93953892
chr12	53961692	53961692	+	9.864E-21	2.4266E-19	0.32527	hyper	sig	chr12_53961692
chr7	35258131	35258131	+	9.875E-21	2.4291E-19	0.369506	hyper	sig	chr7_35258131
chr20	25082235	25082235	+	9.884E-21	2.4313E-19	0.395263	hyper	sig	chr20_25082235
chr20	46058457	46058457	+	9.896E-21	2.4341E-19	0.277121	hyper	sig	chr20_46058457
chr20	45098459	45098459	+	9.897E-21	2.4344E-19	0.310932	hyper	sig	chr20_45098459
chr15	52783312	52783312	+	9.898E-21	2.4344E-19	0.271161	hyper	sig	chr15_52783312
chr5	1.35E+08	135028167	+	9.905E-21	2.4362E-19	0.357715	hyper	sig	chr5_135028167
chr2	31580846	31580846	+	9.906E-21	2.4363E-19	0.261904	hyper	sig	chr2_31580846
chr7	4143896	4143896	+	9.908E-21	2.4367E-19	-0.29707	hypo	sig	chr7_4143896
chr12	1.33E+08	132837985	+	9.928E-21	2.4415E-19	0.28568	hyper	sig	chr12_132837985
chr21	33027033	33027033	+	9.928E-21	2.4416E-19	0.254777	hyper	sig	chr21_33027033
chr1	1.22E+08	121519720	+	9.943E-21	2.4451E-19	0.254542	hyper	sig	chr1_121519720
chr5	1.29E+08	128536268	+	9.947E-21	2.4459E-19	0.220685	hyper	sig	chr5_128536268
chr1	75128084	75128084	+	9.949E-21	2.4465E-19	0.29915	hyper	sig	chr1_75128084
chr8	1.08E+08	108082338	+	9.958E-21	2.4486E-19	0.271904	hyper	sig	chr8_108082338
chr13	53202137	53202137	+	9.972E-21	2.4518E-19	0.326817	hyper	sig	chr13_53202137
chr17	34156995	34156995	+	9.983E-21	2.4546E-19	0.243641	hyper	sig	chr17_34156995
chr22	39999311	39999311	+	9.999E-21	2.4584E-19	-0.22572	hypo	sig	chr22_39999311
chr9	1.35E+08	135085911	+	1E-20	2.4586E-19	-0.24858	hypo	sig	chr9_135085911
chr10	81876465	81876465	+	1.001E-20	2.4597E-19	0.261737	hyper	sig	chr10_81876465
chr1	16375979	16375979	+	1.001E-20	2.4615E-19	0.265964	hyper	sig	chr1_16375979
chr12	53938377	53938377	+	1.002E-20	2.463E-19	0.344668	hyper	sig	chr12_53938377
chr17	50274647	50274647	+	1.002E-20	2.4633E-19	-0.26798	hypo	sig	chr17_50274647
chr1	1.77E+08	177165084	+	1.002E-20	2.4633E-19	0.272008	hyper	sig	chr1_177165084
chr8	39314576	39314576	+	1.003E-20	2.4661E-19	0.301723	hyper	sig	chr8_39314576
chr17	44558443	44558443	+	1.003E-20	2.4665E-19	0.299549	hyper	sig	chr17_44558443
chr7	19118500	19118500	+	1.003E-20	2.4665E-19	0.317276	hyper	sig	chr7_19118500
chr19	56643926	56643926	+	1.004E-20	2.4667E-19	0.288387	hyper	sig	chr19_56643926
chr16	29877412	29877412	+	1.004E-20	2.4685E-19	0.295395	hyper	sig	chr16_29877412

chr8	1.24E+08	124138211	+	1.005E-20	2.4697E-19	-0.33575	hypo	sig	chr8_124138211
chr8	1.43E+08	142538222	+	1.005E-20	2.4699E-19	-0.31623	hypo	sig	chr8_142538222
chr10	1.32E+08	132021475	+	1.005E-20	2.4703E-19	-0.27932	hypo	sig	chr10_132021475
chr17	1618192	1618192	+	1.006E-20	2.4709E-19	-0.26311	hypo	sig	chr17_1618192
chr7	15687184	15687184	+	1.006E-20	2.4712E-19	0.252005	hyper	sig	chr7_15687184
chr13	64959037	64959037	+	1.006E-20	2.4727E-19	-0.28726	hypo	sig	chr13_64959037
chr7	1.01E+08	101174693	+	1.006E-20	2.4727E-19	0.230863	hyper	sig	chr7_101174693
chr13	1.14E+08	114110586	+	1.008E-20	2.4764E-19	-0.34373	hypo	sig	chr13_114110586
chr6	73309817	73309817	+	1.008E-20	2.4766E-19	0.221885	hyper	sig	chr6_73309817
chr8	64577380	64577380	+	1.009E-20	2.4788E-19	0.229903	hyper	sig	chr8_64577380
chr16	54932753	54932753	+	1.011E-20	2.4835E-19	0.353895	hyper	sig	chr16_54932753
chr11	1834304	1834304	+	1.012E-20	2.4853E-19	-0.31106	hypo	sig	chr11_1834304
chr20	1803739	1803739	+	1.012E-20	2.4867E-19	0.231454	hyper	sig	chr20_1803739
chr8	13131726	13131726	+	1.012E-20	2.4873E-19	0.318356	hyper	sig	chr8_13131726
chr12	1.14E+08	114401079	+	1.013E-20	2.4881E-19	0.275761	hyper	sig	chr12_114401079
chr13	1.11E+08	110508142	+	1.014E-20	2.49E-19	-0.41003	hypo	sig	chr13_110508142
chr8	35232610	35232610	+	1.014E-20	2.4914E-19	-0.27672	hypo	sig	chr8_35232610
chr1	12540726	12540726	+	1.015E-20	2.492E-19	0.252207	hyper	sig	chr1_12540726
chr10	1.33E+08	133241194	+	1.016E-20	2.4945E-19	-0.33347	hypo	sig	chr10_133241194
chr3	1.49E+08	148697951	+	1.017E-20	2.4975E-19	0.231297	hyper	sig	chr3_148697951
chr11	1.19E+08	118971734	+	1.019E-20	2.5015E-19	0.317007	hyper	sig	chr11_118971734
chr16	86566732	86566732	+	1.019E-20	2.5031E-19	0.237092	hyper	sig	chr16_86566732
chr1	6273742	6273742	+	1.019E-20	2.5033E-19	-0.29955	hypo	sig	chr1_6273742
chr1	45623325	45623325	+	1.02E-20	2.5038E-19	0.331575	hyper	sig	chr1_45623325
chr3	1.47E+08	147409910	+	1.02E-20	2.5044E-19	0.316367	hyper	sig	chr3_147409910
chr2	1.2E+08	120340888	+	1.021E-20	2.506E-19	-0.31376	hypo	sig	chr2_120340888
chr11	73312992	73312992	+	1.022E-20	2.5086E-19	0.271347	hyper	sig	chr11_73312992
chr12	49544251	49544251	+	1.022E-20	2.509E-19	0.363198	hyper	sig	chr12_49544251
chr13	44575566	44575566	+	1.022E-20	2.509E-19	0.28928	hyper	sig	chr13_44575566
chr9	88007290	88007290	+	1.022E-20	2.509E-19	-0.35975	hypo	sig	chr9_88007290
chr6	1.06E+08	105981784	+	1.022E-20	2.509E-19	0.28535	hyper	sig	chr6_105981784
chr1	2.14E+08	213980119	+	1.024E-20	2.5134E-19	0.335614	hyper	sig	chr1_213980119
chr20	844937	844937	+	1.024E-20	2.5145E-19	0.209909	hyper	sig	chr20_844937
chr1	1.15E+08	115283698	+	1.025E-20	2.5166E-19	-0.26854	hypo	sig	chr1_115283698
chr8	41785857	41785857	+	1.025E-20	2.5168E-19	-0.25285	hypo	sig	chr8_41785857
chr10	1.14E+08	114041217	+	1.027E-20	2.5207E-19	0.224777	hyper	sig	chr10_114041217
chr8	48923514	48923514	+	1.028E-20	2.5227E-19	-0.39212	hypo	sig	chr8_48923514
chr19	12513880	12513880	+	1.031E-20	2.5309E-19	0.306295	hyper	sig	chr19_12513880
chr19	7873743	7873743	+	1.031E-20	2.5317E-19	0.266045	hyper	sig	chr19_7873743
chr13	99972027	99972027	+	1.032E-20	2.532E-19	0.337475	hyper	sig	chr13_99972027
chr19	57600287	57600287	+	1.032E-20	2.5337E-19	0.289509	hyper	sig	chr19_57600287
chr12	1.32E+08	132062256	+	1.034E-20	2.5367E-19	0.28525	hyper	sig	chr12_132062256
chr15	93071924	93071924	+	1.034E-20	2.5377E-19	0.279289	hyper	sig	chr15_93071924
chr15	74133743	74133743	+	1.034E-20	2.5383E-19	0.333689	hyper	sig	chr15_74133743
chr14	1.01E+08	100891264	+	1.035E-20	2.5388E-19	-0.34396	hypo	sig	chr14_100891264
chr7	98616535	98616535	+	1.035E-20	2.5397E-19	0.380793	hyper	sig	chr7_98616535
chr19	1177641	1177641	+	1.036E-20	2.542E-19	-0.38165	hypo	sig	chr19_1177641
chr16	7304660	7304660	+	1.037E-20	2.5454E-19	0.326084	hyper	sig	chr16_7304660
chr1	2.1E+08	210252733	+	1.038E-20	2.5475E-19	-0.30755	hypo	sig	chr1_210252733
chr11	57647084	57647084	+	1.039E-20	2.5493E-19	0.209223	hyper	sig	chr11_57647084
chr16	85574669	85574669	+	1.039E-20	2.5494E-19	0.313969	hyper	sig	chr16_85574669
chr1	16872407	16872407	+	1.039E-20	2.5498E-19	0.28183	hyper	sig	chr1_16872407
chr10	1.01E+08	101236493	+	1.039E-20	2.5499E-19	0.244986	hyper	sig	chr10_101236493
chr7	27206162	27206162	+	1.04E-20	2.551E-19	-0.26751	hypo	sig	chr7_27206162
chr2	1.74E+08	174327103	+	1.04E-20	2.5513E-19	0.273203	hyper	sig	chr2_174327103
chr5	1.79E+08	178994339	+	1.04E-20	2.552E-19	0.35756	hyper	sig	chr5_178994339

chr1	47433558	47433558	+	1.041E-20	2.5535E-19	0.362481	hyper	sig	chr1_47433558
chr3	1.84E+08	184492295	+	1.041E-20	2.5543E-19	0.328242	hyper	sig	chr3_184492295
chr16	2967541	2967541	+	1.042E-20	2.5555E-19	0.293478	hyper	sig	chr16_2967541
chr8	71844431	71844431	+	1.043E-20	2.5575E-19	0.318671	hyper	sig	chr8_71844431
chr4	1.53E+08	152935706	+	1.043E-20	2.5576E-19	-0.2205	hypo	sig	chr4_152935706
chr19	56671604	56671604	+	1.044E-20	2.5615E-19	0.341942	hyper	sig	chr19_56671604
chr15	70050026	70050026	+	1.045E-20	2.5623E-19	0.230501	hyper	sig	chr15_70050026
chr6	1.09E+08	108953289	+	1.045E-20	2.5633E-19	0.282788	hyper	sig	chr6_108953289
chr17	4969204	4969204	+	1.047E-20	2.5668E-19	0.292125	hyper	sig	chr17_4969204
chr7	56115950	56115950	+	1.047E-20	2.5675E-19	0.315872	hyper	sig	chr7_56115950
chr8	1.13E+08	113438439	+	1.049E-20	2.5724E-19	0.30195	hyper	sig	chr8_113438439
chr10	1.02E+08	102414186	+	1.049E-20	2.5733E-19	-0.38267	hypo	sig	chr10_102414186
chr2	1.54E+08	153871974	+	1.05E-20	2.5754E-19	0.245783	hyper	sig	chr2_153871974
chr2	26942657	26942657	+	1.052E-20	2.5789E-19	0.329184	hyper	sig	chr2_26942657
chr1	54781687	54781687	+	1.054E-20	2.5842E-19	0.29151	hyper	sig	chr1_54781687
chr2	2.34E+08	233760497	+	1.055E-20	2.5861E-19	-0.23726	hypo	sig	chr2_233760497
chr20	24470112	24470112	+	1.055E-20	2.5863E-19	0.338534	hyper	sig	chr20_24470112
chr6	1.6E+08	160090883	+	1.055E-20	2.5863E-19	-0.3606	hypo	sig	chr6_160090883
chr2	96527502	96527502	+	1.056E-20	2.5879E-19	0.315176	hyper	sig	chr2_96527502
chr8	41567893	41567893	+	1.056E-20	2.588E-19	0.278088	hyper	sig	chr8_41567893
chr6	1.68E+08	168389034	+	1.056E-20	2.5884E-19	-0.31328	hypo	sig	chr6_168389034
chr5	1.81E+08	181100392	+	1.056E-20	2.5889E-19	0.282493	hyper	sig	chr5_181100392
chr2	1.12E+08	112134255	+	1.056E-20	2.5889E-19	-0.30589	hypo	sig	chr2_112134255
chr2	950324	950324	+	1.058E-20	2.5928E-19	0.296472	hyper	sig	chr2_950324
chr15	89828460	89828460	+	1.058E-20	2.5932E-19	0.279243	hyper	sig	chr15_89828460
chr4	15787663	15787663	+	1.059E-20	2.5946E-19	-0.27613	hypo	sig	chr4_15787663
chr9	1.33E+08	132579901	+	1.059E-20	2.5946E-19	0.308818	hyper	sig	chr9_132579901
chr2	31234750	31234750	+	1.059E-20	2.5963E-19	0.357761	hyper	sig	chr2_31234750
chr6	1.37E+08	137492785	+	1.06E-20	2.5978E-19	0.295821	hyper	sig	chr6_137492785
chr1	1.47E+08	147080142	+	1.061E-20	2.6008E-19	0.297642	hyper	sig	chr1_147080142
chr11	1.29E+08	128689292	+	1.061E-20	2.6009E-19	0.356457	hyper	sig	chr11_128689292
chr2	2.36E+08	236236776	+	1.062E-20	2.6017E-19	0.303254	hyper	sig	chr2_236236776
chr20	63007183	63007183	+	1.062E-20	2.6036E-19	0.336272	hyper	sig	chr20_63007183
chr4	41748323	41748323	+	1.062E-20	2.6036E-19	0.293415	hyper	sig	chr4_41748323
chr3	19946215	19946215	+	1.063E-20	2.6053E-19	-0.2768	hypo	sig	chr3_19946215
chr12	44876961	44876961	+	1.063E-20	2.606E-19	0.227442	hyper	sig	chr12_44876961
chr13	1.13E+08	112843601	+	1.064E-20	2.6079E-19	0.276501	hyper	sig	chr13_112843601
chr7	3974423	3974423	+	1.066E-20	2.6111E-19	-0.25349	hypo	sig	chr7_3974423
chr12	6142295	6142295	+	1.066E-20	2.6125E-19	-0.26234	hypo	sig	chr12_6142295
chr9	1.21E+08	120894854	+	1.069E-20	2.6193E-19	0.463798	hyper	sig	chr9_120894854
chr15	28832415	28832415	+	1.072E-20	2.6274E-19	0.239706	hyper	sig	chr15_28832415
chr6	10385087	10385087	+	1.073E-20	2.6287E-19	0.366667	hyper	sig	chr6_10385087
chr9	97853484	97853484	+	1.073E-20	2.6287E-19	0.330685	hyper	sig	chr9_97853484
chr13	1.11E+08	111092825	+	1.073E-20	2.6296E-19	-0.29627	hypo	sig	chr13_111092825
chr13	23392062	23392062	+	1.074E-20	2.6302E-19	-0.36515	hypo	sig	chr13_23392062
chr2	66425719	66425719	+	1.076E-20	2.6348E-19	0.226623	hyper	sig	chr2_66425719
chr6	28817231	28817231	+	1.076E-20	2.6362E-19	0.233663	hyper	sig	chr6_28817231
chr15	99990446	99990446	+	1.076E-20	2.6369E-19	-0.26365	hypo	sig	chr15_99990446
chr2	2.39E+08	239477428	+	1.077E-20	2.6386E-19	-0.24788	hypo	sig	chr2_239477428
chr9	1.19E+08	119369233	+	1.078E-20	2.6402E-19	0.337822	hyper	sig	chr9_119369233
chr6	28478647	28478647	+	1.078E-20	2.6404E-19	-0.27594	hypo	sig	chr6_28478647
chr8	51809238	51809238	+	1.08E-20	2.6446E-19	0.241048	hyper	sig	chr8_51809238
chr20	56344006	56344006	+	1.081E-20	2.6466E-19	0.249645	hyper	sig	chr20_56344006
chr5	77972567	77972567	+	1.081E-20	2.6471E-19	0.314268	hyper	sig	chr5_77972567
chr7	1.52E+08	151735941	+	1.083E-20	2.6523E-19	0.252974	hyper	sig	chr7_151735941
chr1	26351559	26351559	+	1.084E-20	2.6547E-19	-0.27093	hypo	sig	chr1_26351559

chr1	54387176	54387176	+	1.084E-20	2.6551E-19	0.20276	hyper	sig	chr1_54387176
chr8	1.03E+08	103140516	+	1.087E-20	2.6606E-19	0.380473	hyper	sig	chr8_103140516
chr22	31611184	31611184	+	1.087E-20	2.6622E-19	0.283998	hyper	sig	chr22_31611184
chr12	1.14E+08	114409769	+	1.087E-20	2.6628E-19	0.243112	hyper	sig	chr12_114409769
chr4	663246	663246	+	1.088E-20	2.6642E-19	0.308519	hyper	sig	chr4_663246
chr2	73203601	73203601	+	1.089E-20	2.667E-19	0.364508	hyper	sig	chr2_73203601
chr1	1.8E+08	179588782	+	1.09E-20	2.6677E-19	-0.25012	hypo	sig	chr1_179588782
chr17	41583658	41583658	+	1.09E-20	2.6696E-19	-0.27958	hypo	sig	chr17_41583658
chr10	8046954	8046954	+	1.091E-20	2.6698E-19	0.221033	hyper	sig	chr10_8046954
chr12	63669176	63669176	+	1.093E-20	2.677E-19	0.211604	hyper	sig	chr12_63669176
chr15	72228274	72228274	+	1.094E-20	2.6772E-19	-0.26558	hypo	sig	chr15_72228274
chr21	41879915	41879915	+	1.095E-20	2.6803E-19	-0.24174	hypo	sig	chr21_41879915
chr20	38674348	38674348	+	1.097E-20	2.6846E-19	0.34081	hyper	sig	chr20_38674348
chr5	77632879	77632879	+	1.097E-20	2.6848E-19	0.331109	hyper	sig	chr5_77632879
chr7	35255546	35255546	+	1.098E-20	2.6881E-19	0.389567	hyper	sig	chr7_35255546
chr17	75646630	75646630	+	1.098E-20	2.6885E-19	-0.24223	hypo	sig	chr17_75646630
chr2	1.77E+08	177198375	+	1.098E-20	2.6885E-19	-0.30868	hypo	sig	chr2_177198375
chr16	90053234	90053234	+	1.098E-20	2.6886E-19	-0.30228	hypo	sig	chr16_90053234
chr6	1.68E+08	167815656	+	1.099E-20	2.6896E-19	-0.37311	hypo	sig	chr6_167815656
chr7	2986055	2986055	+	1.099E-20	2.6903E-19	-0.23691	hypo	sig	chr7_2986055
chr6	57800208	57800208	+	1.101E-20	2.6954E-19	0.330373	hyper	sig	chr6_57800208
chr6	32058565	32058565	+	1.102E-20	2.6965E-19	-0.3222	hypo	sig	chr6_32058565
chr13	1.08E+08	107868622	+	1.102E-20	2.6979E-19	0.341745	hyper	sig	chr13_107868622
chr7	5302846	5302846	+	1.103E-20	2.698E-19	-0.32938	hypo	sig	chr7_5302846
chr19	34905288	34905288	+	1.104E-20	2.702E-19	0.328256	hyper	sig	chr19_34905288
chr17	78144957	78144957	+	1.105E-20	2.7037E-19	-0.25331	hypo	sig	chr17_78144957
chr12	49961540	49961540	+	1.105E-20	2.7046E-19	0.286372	hyper	sig	chr12_49961540
chr11	31818256	31818256	+	1.105E-20	2.7047E-19	0.340206	hyper	sig	chr11_31818256
chr7	96997878	96997878	+	1.105E-20	2.7048E-19	0.307625	hyper	sig	chr7_96997878
chr10	1.18E+08	117536316	+	1.106E-20	2.7049E-19	0.267178	hyper	sig	chr10_117536316
chr19	54011983	54011983	+	1.106E-20	2.7053E-19	0.322227	hyper	sig	chr19_54011983
chr10	62818375	62818375	+	1.108E-20	2.7114E-19	0.223451	hyper	sig	chr10_62818375
chr1	2.28E+08	228470091	+	1.112E-20	2.7194E-19	0.276109	hyper	sig	chr1_228470091
chr3	1.41E+08	141067332	+	1.112E-20	2.7207E-19	-0.33167	hypo	sig	chr3_141067332
chr3	46577076	46577076	+	1.113E-20	2.7222E-19	0.321924	hyper	sig	chr3_46577076
chr1	16226975	16226975	+	1.113E-20	2.7229E-19	0.280435	hyper	sig	chr1_16226975
chr2	1.07E+08	106885898	+	1.114E-20	2.726E-19	0.233122	hyper	sig	chr2_106885898
chr6	596254	596254	+	1.117E-20	2.7334E-19	0.234363	hyper	sig	chr6_596254
chr7	1.13E+08	112791488	+	1.118E-20	2.7353E-19	-0.20751	hypo	sig	chr7_112791488
chr11	1.29E+08	128521555	+	1.12E-20	2.7402E-19	0.284678	hyper	sig	chr11_128521555
chr1	3651440	3651440	+	1.121E-20	2.7413E-19	0.217545	hyper	sig	chr1_3651440
chr8	1.43E+08	142567289	+	1.121E-20	2.7416E-19	-0.32099	hypo	sig	chr8_142567289
chr2	1.49E+08	148553437	+	1.122E-20	2.744E-19	-0.36345	hypo	sig	chr2_148553437
chr1	75130290	75130290	+	1.122E-20	2.7449E-19	0.27812	hyper	sig	chr1_75130290
chr7	4128112	4128112	+	1.124E-20	2.7477E-19	-0.30455	hypo	sig	chr7_4128112
chr2	27738071	27738071	+	1.126E-20	2.7542E-19	-0.30233	hypo	sig	chr2_27738071
chr17	65553212	65553212	+	1.126E-20	2.7543E-19	-0.26759	hypo	sig	chr17_65553212
chr7	4017382	4017382	+	1.128E-20	2.7583E-19	-0.24552	hypo	sig	chr7_4017382
chr14	56810454	56810454	+	1.128E-20	2.7585E-19	0.286125	hyper	sig	chr14_56810454
chr4	4864339	4864339	+	1.129E-20	2.7603E-19	0.246085	hyper	sig	chr4_4864339
chr11	89491834	89491834	+	1.129E-20	2.7607E-19	-0.33671	hypo	sig	chr11_89491834
chr22	20204902	20204902	+	1.129E-20	2.7612E-19	0.285685	hyper	sig	chr22_20204902
chr11	68399553	68399553	+	1.129E-20	2.7615E-19	0.290528	hyper	sig	chr11_68399553
chr12	85273838	85273838	+	1.13E-20	2.7624E-19	0.275926	hyper	sig	chr12_85273838
chr5	1.29E+08	128537667	+	1.132E-20	2.7668E-19	0.278279	hyper	sig	chr5_128537667
chr4	1.74E+08	173530054	+	1.132E-20	2.7677E-19	0.234043	hyper	sig	chr4_173530054

chr3	6862491	6862491	+	1.133E-20	2.7688E-19	0.303103	hyper	sig	chr3_6862491
chr11	69817286	69817286	+	1.135E-20	2.7758E-19	0.22097	hyper	sig	chr11_69817286
chr1	2.07E+08	206921808	+	1.137E-20	2.7783E-19	-0.23201	hypo	sig	chr1_206921808
chr8	26824413	26824413	+	1.137E-20	2.7801E-19	-0.3113	hypo	sig	chr8_26824413
chr16	35553241	35553241	+	1.137E-20	2.7804E-19	0.319739	hyper	sig	chr16_35553241
chr10	3118960	3118960	+	1.138E-20	2.7818E-19	-0.30776	hypo	sig	chr10_3118960
chr20	25084857	25084857	+	1.139E-20	2.7831E-19	0.213422	hyper	sig	chr20_25084857
chr15	65245626	65245626	+	1.141E-20	2.7884E-19	0.262826	hyper	sig	chr15_65245626
chr10	69573311	69573311	+	1.141E-20	2.7894E-19	0.207757	hyper	sig	chr10_69573311
chr11	1.29E+08	128876463	+	1.142E-20	2.7899E-19	-0.24182	hypo	sig	chr11_128876463
chr17	82875704	82875704	+	1.143E-20	2.7929E-19	-0.25503	hypo	sig	chr17_82875704
chr5	1.71E+08	171313837	+	1.144E-20	2.7956E-19	0.233457	hyper	sig	chr5_171313837
chr17	48047333	48047333	+	1.145E-20	2.7978E-19	0.228423	hyper	sig	chr17_48047333
chr5	1.29E+08	128538946	+	1.145E-20	2.7985E-19	0.291577	hyper	sig	chr5_128538946
chr11	394234	394234	+	1.145E-20	2.7986E-19	-0.27804	hypo	sig	chr11_394234
chr4	84482948	84482948	+	1.147E-20	2.8016E-19	0.257554	hyper	sig	chr4_84482948
chr12	65278360	65278360	+	1.148E-20	2.8058E-19	0.321057	hyper	sig	chr12_65278360
chr11	2266191	2266191	+	1.148E-20	2.8058E-19	-0.26916	hypo	sig	chr11_2266191
chr5	2757813	2757813	+	1.15E-20	2.8104E-19	0.36476	hyper	sig	chr5_2757813
chr12	1.13E+08	113467370	+	1.15E-20	2.8106E-19	0.208253	hyper	sig	chr12_113467370
chr2	2.39E+08	239312992	+	1.151E-20	2.8108E-19	0.400237	hyper	sig	chr2_239312992
chr8	48735194	48735194	+	1.152E-20	2.8137E-19	0.270267	hyper	sig	chr8_48735194
chr14	1.02E+08	101781857	+	1.152E-20	2.8153E-19	0.337165	hyper	sig	chr14_101781857
chr16	19169940	19169940	+	1.153E-20	2.8159E-19	-0.23226	hypo	sig	chr16_19169940
chr2	2.01E+08	201229074	+	1.154E-20	2.8177E-19	-0.33446	hypo	sig	chr2_201229074
chr11	59555900	59555900	+	1.155E-20	2.8202E-19	0.243728	hyper	sig	chr11_59555900
chr17	80192604	80192604	+	1.155E-20	2.8202E-19	0.312769	hyper	sig	chr17_80192604
chr10	69573305	69573305	+	1.155E-20	2.8209E-19	0.250823	hyper	sig	chr10_69573305
chr16	1169508	1169508	+	1.155E-20	2.8213E-19	0.301777	hyper	sig	chr16_1169508
chr19	23002817	23002817	+	1.156E-20	2.8243E-19	0.30314	hyper	sig	chr19_23002817
chr8	1.4E+08	139703427	+	1.16E-20	2.832E-19	0.467273	hyper	sig	chr8_139703427
chr12	53938941	53938941	+	1.16E-20	2.8328E-19	0.328555	hyper	sig	chr12_53938941
chr16	4376939	4376939	+	1.16E-20	2.8329E-19	0.32544	hyper	sig	chr16_4376939
chr7	93755	93755	+	1.16E-20	2.8338E-19	-0.28955	hypo	sig	chr7_93755
chr17	48554512	48554512	+	1.161E-20	2.8349E-19	0.287363	hyper	sig	chr17_48554512
chr19	39308371	39308371	+	1.161E-20	2.8354E-19	0.331851	hyper	sig	chr19_39308371
chr10	1.32E+08	132232001	+	1.161E-20	2.8354E-19	-0.26639	hypo	sig	chr10_132232001
chr12	1.14E+08	114414290	+	1.163E-20	2.8403E-19	0.241445	hyper	sig	chr12_114414290
chr3	44585098	44585098	+	1.164E-20	2.8409E-19	0.239732	hyper	sig	chr3_44585098
chr3	1.73E+08	173398186	+	1.164E-20	2.8413E-19	0.238326	hyper	sig	chr3_173398186
chr2	2.34E+08	233939004	+	1.164E-20	2.8429E-19	0.275837	hyper	sig	chr2_233939004
chr1	2.28E+08	228158529	+	1.165E-20	2.8443E-19	0.334209	hyper	sig	chr1_228158529
chr4	89837671	89837671	+	1.165E-20	2.8443E-19	0.21094	hyper	sig	chr4_89837671
chr1	2.23E+08	223116593	+	1.166E-20	2.8466E-19	0.227249	hyper	sig	chr1_223116593
chr12	6827302	6827302	+	1.166E-20	2.8471E-19	0.258759	hyper	sig	chr12_6827302
chr7	20794696	20794696	+	1.168E-20	2.8503E-19	0.324237	hyper	sig	chr7_20794696
chr6	1.37E+08	137495338	+	1.168E-20	2.8511E-19	0.268518	hyper	sig	chr6_137495338
chr10	42368013	42368013	+	1.169E-20	2.8536E-19	0.342417	hyper	sig	chr10_42368013
chr16	1436482	1436482	+	1.17E-20	2.8547E-19	-0.28199	hypo	sig	chr16_1436482
chr19	10514292	10514292	+	1.17E-20	2.8549E-19	0.207624	hyper	sig	chr19_10514292
chr5	1.73E+08	172748629	+	1.17E-20	2.8549E-19	0.381048	hyper	sig	chr5_172748629
chr6	10883622	10883622	+	1.171E-20	2.858E-19	0.307535	hyper	sig	chr6_10883622
chr2	70714550	70714550	+	1.172E-20	2.8607E-19	-0.30227	hypo	sig	chr2_70714550
chr1	1.53E+08	152687278	+	1.173E-20	2.8638E-19	-0.29298	hypo	sig	chr1_152687278
chr6	10882749	10882749	+	1.174E-20	2.8654E-19	0.285357	hyper	sig	chr6_10882749
chr11	2140245	2140245	+	1.175E-20	2.8675E-19	0.210328	hyper	sig	chr11_2140245

chr1	24535231	24535231	+	1.176E-20	2.8695E-19	-0.29907	hypo	sig	chr1_24535231
chr2	91847109	91847109	+	1.176E-20	2.8705E-19	-0.27288	hypo	sig	chr2_91847109
chr7	2729386	2729386	+	1.177E-20	2.8713E-19	0.263346	hyper	sig	chr7_2729386
chr13	52848723	52848723	+	1.177E-20	2.8728E-19	0.253671	hyper	sig	chr13_52848723
chr6	1.08E+08	108174781	+	1.178E-20	2.8731E-19	0.274911	hyper	sig	chr6_108174781
chr4	41867325	41867325	+	1.178E-20	2.8738E-19	0.264307	hyper	sig	chr4_41867325
chr1	3226338	3226338	+	1.179E-20	2.8756E-19	0.319872	hyper	sig	chr1_3226338
chr20	62709440	62709440	+	1.18E-20	2.8785E-19	0.316801	hyper	sig	chr20_62709440
chr13	52739771	52739771	+	1.18E-20	2.8789E-19	0.313706	hyper	sig	chr13_52739771
chr2	1.19E+08	119434087	+	1.181E-20	2.8804E-19	-0.29194	hypo	sig	chr2_119434087
chr1	47592718	47592718	+	1.181E-20	2.8809E-19	-0.24222	hypo	sig	chr1_47592718
chr7	1.55E+08	155373496	+	1.182E-20	2.8821E-19	0.261785	hyper	sig	chr7_155373496
chr4	1606900	1606900	+	1.182E-20	2.8838E-19	-0.34258	hypo	sig	chr4_1606900
chr5	41510054	41510054	+	1.182E-20	2.884E-19	0.308282	hyper	sig	chr5_41510054
chr5	1.35E+08	135030877	+	1.183E-20	2.8849E-19	0.250893	hyper	sig	chr5_135030877
chr20	43916484	43916484	+	1.184E-20	2.8866E-19	0.372199	hyper	sig	chr20_43916484
chr2	1.07E+08	106887280	+	1.184E-20	2.8874E-19	0.204602	hyper	sig	chr2_106887280
chr13	52845524	52845524	+	1.184E-20	2.8883E-19	0.291339	hyper	sig	chr13_52845524
chr19	50358558	50358558	+	1.185E-20	2.8897E-19	0.227896	hyper	sig	chr19_50358558
chr22	44172819	44172819	+	1.186E-20	2.891E-19	-0.2429	hypo	sig	chr22_44172819
chr7	1232839	1232839	+	1.186E-20	2.8913E-19	0.31084	hyper	sig	chr7_1232839
chr1	2.21E+08	220881088	+	1.186E-20	2.893E-19	0.264758	hyper	sig	chr1_220881088
chr13	52335704	52335704	+	1.187E-20	2.8933E-19	-0.31576	hypo	sig	chr13_52335704
chr14	28767967	28767967	+	1.188E-20	2.8963E-19	0.351245	hyper	sig	chr14_28767967
chr13	1.11E+08	110508077	+	1.19E-20	2.9014E-19	-0.31485	hypo	sig	chr13_110508077
chr12	7872997	7872997	+	1.19E-20	2.9026E-19	0.288841	hyper	sig	chr12_7872997
chr7	1.01E+08	101299853	+	1.191E-20	2.904E-19	0.369176	hyper	sig	chr7_101299853
chr1	7640411	7640411	+	1.191E-20	2.9048E-19	-0.32019	hypo	sig	chr1_7640411
chr17	44657157	44657157	+	1.192E-20	2.9051E-19	0.314972	hyper	sig	chr17_44657157
chr2	2.32E+08	232351412	+	1.192E-20	2.9065E-19	0.214984	hyper	sig	chr2_232351412
chr20	62667365	62667365	+	1.193E-20	2.9078E-19	-0.33485	hypo	sig	chr20_62667365
chr11	20670298	20670298	+	1.193E-20	2.9079E-19	0.482832	hyper	sig	chr11_20670298
chr2	2.32E+08	232486349	+	1.196E-20	2.9144E-19	0.28774	hyper	sig	chr2_232486349
chr10	49397579	49397579	+	1.196E-20	2.915E-19	0.250056	hyper	sig	chr10_49397579
chr1	24502025	24502025	+	1.197E-20	2.917E-19	-0.2233	hypo	sig	chr1_24502025
chr8	1377679	1377679	+	1.198E-20	2.9204E-19	-0.28446	hypo	sig	chr8_1377679
chr6	28259280	28259280	+	1.198E-20	2.9204E-19	0.316787	hyper	sig	chr6_28259280
chr5	5139530	5139530	+	1.199E-20	2.9215E-19	0.359077	hyper	sig	chr5_5139530
chr7	1.57E+08	157462504	+	1.2E-20	2.9248E-19	-0.31536	hypo	sig	chr7_157462504
chr5	77629659	77629659	+	1.201E-20	2.9257E-19	0.21491	hyper	sig	chr5_77629659
chr1	1.44E+08	143698952	+	1.201E-20	2.9263E-19	0.414538	hyper	sig	chr1_143698952
chr2	2.41E+08	240565759	+	1.201E-20	2.9273E-19	-0.25497	hypo	sig	chr2_240565759
chr8	29347461	29347461	+	1.202E-20	2.9282E-19	-0.29011	hypo	sig	chr8_29347461
chr7	1.29E+08	128872633	+	1.202E-20	2.929E-19	-0.38146	hypo	sig	chr7_128872633
chr2	11466819	11466819	+	1.202E-20	2.9294E-19	-0.3673	hypo	sig	chr2_11466819
chr15	25203308	25203308	+	1.202E-20	2.9295E-19	-0.27861	hypo	sig	chr15_25203308
chr1	50421230	50421230	+	1.203E-20	2.9316E-19	0.289977	hyper	sig	chr1_50421230
chr13	1.13E+08	112995906	+	1.204E-20	2.9327E-19	-0.28811	hypo	sig	chr13_112995906
chr20	51023560	51023560	+	1.205E-20	2.9349E-19	0.380275	hyper	sig	chr20_51023560
chr5	1.35E+08	135490222	+	1.205E-20	2.9368E-19	0.246605	hyper	sig	chr5_135490222
chr2	86338850	86338850	+	1.206E-20	2.938E-19	-0.29262	hypo	sig	chr2_86338850
chr11	26994424	26994424	+	1.207E-20	2.9398E-19	0.354676	hyper	sig	chr11_26994424
chr10	35608055	35608055	+	1.208E-20	2.9416E-19	0.297519	hyper	sig	chr10_35608055
chr10	1.24E+08	123584256	+	1.209E-20	2.9457E-19	0.266362	hyper	sig	chr10_123584256
chr1	1.44E+08	143736122	+	1.209E-20	2.9457E-19	0.20721	hyper	sig	chr1_143736122
chr17	46772545	46772545	+	1.21E-20	2.9467E-19	-0.20969	hypo	sig	chr17_46772545

chr4	56681693	56681693	+	1.21E-20	2.9481E-19	-0.20256	hypo	sig	chr4_56681693
chr2	1.11E+08	111366499	+	1.211E-20	2.9506E-19	0.348474	hyper	sig	chr2_111366499
chr11	1.13E+08	113272458	+	1.213E-20	2.9535E-19	-0.22564	hypo	sig	chr11_113272458
chr19	18650669	18650669	+	1.214E-20	2.9578E-19	0.309345	hyper	sig	chr19_18650669
chr6	34238382	34238382	+	1.216E-20	2.9618E-19	-0.2406	hypo	sig	chr6_34238382
chr9	1.31E+08	130663356	+	1.216E-20	2.962E-19	0.250705	hyper	sig	chr9_130663356
chr5	1362585	1362585	+	1.218E-20	2.9652E-19	-0.23474	hypo	sig	chr5_1362585
chr16	89202431	89202431	+	1.219E-20	2.969E-19	0.206828	hyper	sig	chr16_89202431
chr3	84958743	84958743	+	1.22E-20	2.9709E-19	0.210553	hyper	sig	chr3_84958743
chr2	48313532	48313532	+	1.223E-20	2.9778E-19	-0.37994	hypo	sig	chr2_48313532
chr16	29157401	29157401	+	1.223E-20	2.979E-19	-0.31546	hypo	sig	chr16_29157401
chr16	54934769	54934769	+	1.223E-20	2.979E-19	0.318044	hyper	sig	chr16_54934769
chr1	1.59E+08	159171976	+	1.225E-20	2.9823E-19	0.204389	hyper	sig	chr1_159171976
chr15	78617575	78617575	+	1.226E-20	2.9847E-19	-0.33713	hypo	sig	chr15_78617575
chr3	1.28E+08	128483595	+	1.227E-20	2.9884E-19	0.331415	hyper	sig	chr3_128483595
chr16	1288391	1288391	+	1.228E-20	2.9904E-19	-0.2658	hypo	sig	chr16_1288391
chr11	72013610	72013610	+	1.23E-20	2.9932E-19	0.269775	hyper	sig	chr11_72013610
chr13	1.13E+08	113109488	+	1.23E-20	2.9939E-19	0.334759	hyper	sig	chr13_113109488
chr20	22586263	22586263	+	1.231E-20	2.9974E-19	0.274954	hyper	sig	chr20_22586263
chr17	18634765	18634765	+	1.233E-20	3.0014E-19	0.282977	hyper	sig	chr17_18634765
chr3	48223231	48223231	+	1.236E-20	3.0072E-19	-0.32067	hypo	sig	chr3_48223231
chr19	35898587	35898587	+	1.236E-20	3.0081E-19	0.276205	hyper	sig	chr19_35898587
chr2	2.36E+08	235605829	+	1.236E-20	3.0093E-19	0.313768	hyper	sig	chr2_235605829
chr3	13895090	13895090	+	1.237E-20	3.0094E-19	0.339901	hyper	sig	chr3_13895090
chr4	1034179	1034179	+	1.239E-20	3.015E-19	0.342822	hyper	sig	chr4_1034179
chr13	40922669	40922669	+	1.24E-20	3.0179E-19	-0.32773	hypo	sig	chr13_40922669
chr7	98251333	98251333	+	1.241E-20	3.0208E-19	-0.32319	hypo	sig	chr7_98251333
chr11	1.29E+08	128694194	+	1.242E-20	3.0225E-19	0.28849	hyper	sig	chr11_128694194
chr2	1.24E+08	124024706	+	1.243E-20	3.0239E-19	0.392623	hyper	sig	chr2_124024706
chr12	72273625	72273625	+	1.243E-20	3.0249E-19	0.321563	hyper	sig	chr12_72273625
chr16	86572761	86572761	+	1.243E-20	3.0249E-19	0.293196	hyper	sig	chr16_86572761
chr1	78491543	78491543	+	1.244E-20	3.0268E-19	0.239557	hyper	sig	chr1_78491543
chr1	71047424	71047424	+	1.246E-20	3.0307E-19	0.230829	hyper	sig	chr1_71047424
chr5	3599589	3599589	+	1.247E-20	3.0344E-19	0.341165	hyper	sig	chr5_3599589
chr8	1.33E+08	133212475	+	1.249E-20	3.0383E-19	-0.30215	hypo	sig	chr8_133212475
chr5	51387551	51387551	+	1.249E-20	3.0391E-19	0.258826	hyper	sig	chr5_51387551
chr19	57600328	57600328	+	1.25E-20	3.0403E-19	0.239086	hyper	sig	chr19_57600328
chr10	26212117	26212117	+	1.25E-20	3.0409E-19	0.328585	hyper	sig	chr10_26212117
chr15	61229771	61229771	+	1.25E-20	3.0413E-19	0.203633	hyper	sig	chr15_61229771
chr3	64684964	64684964	+	1.251E-20	3.0419E-19	0.218009	hyper	sig	chr3_64684964
chr8	1.31E+08	131041601	+	1.251E-20	3.0425E-19	0.346439	hyper	sig	chr8_131041601
chr1	1.14E+08	114154117	+	1.251E-20	3.0433E-19	0.213928	hyper	sig	chr1_114154117
chr1	50417260	50417260	+	1.253E-20	3.0477E-19	0.227014	hyper	sig	chr1_50417260
chr16	89817729	89817729	+	1.254E-20	3.0498E-19	-0.24248	hypo	sig	chr16_89817729
chr5	1.41E+08	141173537	+	1.254E-20	3.0501E-19	0.262569	hyper	sig	chr5_141173537
chr7	15687812	15687812	+	1.254E-20	3.0501E-19	0.267422	hyper	sig	chr7_15687812
chr19	40614430	40614430	+	1.255E-20	3.052E-19	0.218345	hyper	sig	chr19_40614430
chr5	1.59E+08	159105465	+	1.256E-20	3.0536E-19	0.349065	hyper	sig	chr5_159105465
chr2	1.32E+08	132257111	+	1.256E-20	3.054E-19	0.306465	hyper	sig	chr2_132257111
chr5	3606949	3606949	+	1.257E-20	3.0558E-19	0.307111	hyper	sig	chr5_3606949
chr8	25000965	25000965	+	1.257E-20	3.0558E-19	0.257549	hyper	sig	chr8_25000965
chr11	1834105	1834105	+	1.258E-20	3.0589E-19	-0.26791	hypo	sig	chr11_1834105
chr17	48550980	48550980	+	1.259E-20	3.0601E-19	0.279679	hyper	sig	chr17_48550980
chr6	1.27E+08	127120546	+	1.259E-20	3.0611E-19	0.234494	hyper	sig	chr6_127120546
chr16	11258978	11258978	+	1.259E-20	3.0615E-19	-0.25991	hypo	sig	chr16_11258978
chr16	1109861	1109861	+	1.264E-20	3.0722E-19	-0.21412	hypo	sig	chr16_1109861

chr2	70707649	70707649	+	1.266E-20	3.0771E-19	-0.3766	hypo	sig	chr2_70707649
chr16	1288379	1288379	+	1.266E-20	3.0775E-19	-0.27613	hypo	sig	chr16_1288379
chr7	3880374	3880374	+	1.269E-20	3.0859E-19	-0.24306	hypo	sig	chr7_3880374
chr11	1.19E+08	118971703	+	1.27E-20	3.0868E-19	0.318865	hyper	sig	chr11_118971703
chr7	204517	204517	+	1.271E-20	3.0905E-19	0.33422	hyper	sig	chr7_204517
chr7	1.28E+08	128032116	+	1.272E-20	3.0914E-19	0.297906	hyper	sig	chr7_128032116
chr9	37964250	37964250	+	1.272E-20	3.0915E-19	-0.28679	hypo	sig	chr9_37964250
chr5	83471743	83471743	+	1.272E-20	3.0921E-19	0.220793	hyper	sig	chr5_83471743
chr10	49115099	49115099	+	1.276E-20	3.1007E-19	0.308715	hyper	sig	chr10_49115099
chr9	96029888	96029888	+	1.276E-20	3.1007E-19	-0.29981	hypo	sig	chr9_96029888
chr7	1.5E+08	149821896	+	1.276E-20	3.1015E-19	-0.35038	hypo	sig	chr7_149821896
chr7	1736408	1736408	+	1.277E-20	3.1033E-19	-0.32167	hypo	sig	chr7_1736408
chr13	26049638	26049638	+	1.282E-20	3.1155E-19	0.239571	hyper	sig	chr13_26049638
chr1	3217165	3217165	+	1.283E-20	3.1189E-19	0.341405	hyper	sig	chr1_3217165
chr3	1.4E+08	139934688	+	1.283E-20	3.1189E-19	0.213184	hyper	sig	chr3_139934688
chr7	1.59E+08	158796161	+	1.284E-20	3.1203E-19	0.260186	hyper	sig	chr7_158796161
chr17	9022964	9022964	+	1.284E-20	3.1204E-19	0.265058	hyper	sig	chr17_9022964
chr20	21514873	21514873	+	1.285E-20	3.1227E-19	0.237557	hyper	sig	chr20_21514873
chr6	26743452	26743452	+	1.286E-20	3.1244E-19	0.28493	hyper	sig	chr6_26743452
chr12	4911522	4911522	+	1.286E-20	3.1253E-19	0.336756	hyper	sig	chr12_4911522
chr15	93070810	93070810	+	1.287E-20	3.1257E-19	0.337544	hyper	sig	chr15_93070810
chr18	37328661	37328661	+	1.287E-20	3.1267E-19	-0.30787	hypo	sig	chr18_37328661
chr20	21103769	21103769	+	1.288E-20	3.1289E-19	0.323403	hyper	sig	chr20_21103769
chr1	2.26E+08	226123848	+	1.289E-20	3.1306E-19	-0.37458	hypo	sig	chr1_226123848
chr11	18733237	18733237	+	1.289E-20	3.1313E-19	-0.28404	hypo	sig	chr11_18733237
chr3	1.41E+08	141052237	+	1.292E-20	3.1383E-19	0.322996	hyper	sig	chr3_141052237
chr7	1693604	1693604	+	1.292E-20	3.1387E-19	-0.26454	hypo	sig	chr7_1693604
chr12	75207650	75207650	+	1.294E-20	3.1429E-19	0.356918	hyper	sig	chr12_75207650
chr22	20438223	20438223	+	1.294E-20	3.1432E-19	0.216264	hyper	sig	chr22_20438223
chr7	1.02E+08	102045406	+	1.295E-20	3.1465E-19	0.321803	hyper	sig	chr7_102045406
chr1	63320275	63320275	+	1.296E-20	3.1483E-19	0.253333	hyper	sig	chr1_63320275
chr14	1.01E+08	100726638	+	1.297E-20	3.1488E-19	0.268786	hyper	sig	chr14_100726638
chr18	21243033	21243033	+	1.297E-20	3.1491E-19	0.240575	hyper	sig	chr18_21243033
chr12	27969425	27969425	+	1.297E-20	3.1499E-19	0.20283	hyper	sig	chr12_27969425
chr3	1.47E+08	147409863	+	1.298E-20	3.1511E-19	0.287463	hyper	sig	chr3_147409863
chr1	1.19E+08	118989375	+	1.298E-20	3.1515E-19	0.343466	hyper	sig	chr1_118989375
chr1	27351451	27351451	+	1.298E-20	3.1527E-19	0.335516	hyper	sig	chr1_27351451
chr4	54232337	54232337	+	1.298E-20	3.1528E-19	0.251589	hyper	sig	chr4_54232337
chr2	2.19E+08	219057693	+	1.3E-20	3.1572E-19	0.220341	hyper	sig	chr2_219057693
chr7	77245569	77245569	+	1.3E-20	3.1575E-19	0.234784	hyper	sig	chr7_77245569
chr11	93537922	93537922	+	1.301E-20	3.1588E-19	-0.26877	hypo	sig	chr11_93537922
chr9	85289163	85289163	+	1.302E-20	3.1621E-19	-0.23173	hypo	sig	chr9_85289163
chr8	52941009	52941009	+	1.303E-20	3.1631E-19	0.290102	hyper	sig	chr8_52941009
chr17	75587880	75587880	+	1.304E-20	3.1651E-19	0.275848	hyper	sig	chr17_75587880
chr6	28091131	28091131	+	1.307E-20	3.172E-19	0.264925	hyper	sig	chr6_28091131
chr4	1.21E+08	121380610	+	1.307E-20	3.1721E-19	0.237982	hyper	sig	chr4_121380610
chr8	1.44E+08	143891184	+	1.307E-20	3.1721E-19	-0.23973	hypo	sig	chr8_143891184
chr11	2869475	2869475	+	1.308E-20	3.1756E-19	0.271496	hyper	sig	chr11_2869475
chr11	65047476	65047476	+	1.309E-20	3.1768E-19	0.365643	hyper	sig	chr11_65047476
chr10	1.23E+08	123143381	+	1.309E-20	3.1769E-19	0.358184	hyper	sig	chr10_123143381
chr7	1.55E+08	155373196	+	1.309E-20	3.1785E-19	0.306086	hyper	sig	chr7_155373196
chr16	84832526	84832526	+	1.311E-20	3.1816E-19	0.278817	hyper	sig	chr16_84832526
chr13	25372644	25372644	+	1.311E-20	3.1825E-19	0.400701	hyper	sig	chr13_25372644
chr4	1.04E+08	103720129	+	1.311E-20	3.1827E-19	0.283165	hyper	sig	chr4_103720129
chr16	66923539	66923539	+	1.312E-20	3.1841E-19	0.365007	hyper	sig	chr16_66923539
chr11	22433069	22433069	+	1.312E-20	3.1851E-19	0.279557	hyper	sig	chr11_22433069

chr5	1.77E+08	177367398	+	1.312E-20	3.1851E-19	0.374084	hyper	sig	chr5_177367398
chr16	4263373	4263373	+	1.313E-20	3.1852E-19	0.217127	hyper	sig	chr16_4263373
chr5	2643176	2643176	+	1.313E-20	3.1852E-19	0.317998	hyper	sig	chr5_2643176
chr19	40224756	40224756	+	1.313E-20	3.1863E-19	-0.41858	hypo	sig	chr19_40224756
chr11	508001	508001	+	1.315E-20	3.19E-19	0.27434	hyper	sig	chr11_508001
chr1	1.71E+08	171257565	+	1.317E-20	3.1966E-19	-0.27176	hypo	sig	chr1_171257565
chr3	32817897	32817897	+	1.318E-20	3.1987E-19	0.249371	hyper	sig	chr3_32817897
chr12	1.19E+08	118774498	+	1.319E-20	3.201E-19	0.256228	hyper	sig	chr12_118774498
chr20	58514969	58514969	+	1.32E-20	3.2031E-19	0.382596	hyper	sig	chr20_58514969
chr11	8168567	8168567	+	1.321E-20	3.2043E-19	0.301279	hyper	sig	chr11_8168567
chr7	1.51E+08	151024563	+	1.321E-20	3.2045E-19	-0.2561	hypo	sig	chr7_151024563
chr5	1.46E+08	146339018	+	1.322E-20	3.2074E-19	0.30953	hyper	sig	chr5_146339018
chr11	1.29E+08	128521534	+	1.322E-20	3.2078E-19	0.331551	hyper	sig	chr11_128521534
chr14	99909893	99909893	+	1.323E-20	3.2104E-19	-0.41064	hypo	sig	chr14_99909893
chr11	79438911	79438911	+	1.325E-20	3.2142E-19	0.235113	hyper	sig	chr11_79438911
chr9	1.35E+08	134623999	+	1.325E-20	3.2146E-19	-0.29073	hypo	sig	chr9_134623999
chr1	2.02E+08	201501277	+	1.326E-20	3.2151E-19	0.302818	hyper	sig	chr1_201501277
chr1	90717094	90717094	+	1.326E-20	3.2165E-19	0.322056	hyper	sig	chr1_90717094
chr1	1.62E+08	161525156	+	1.328E-20	3.2218E-19	0.24191	hyper	sig	chr1_161525156
chr1	31703713	31703713	+	1.331E-20	3.2286E-19	0.320855	hyper	sig	chr1_31703713
chr16	87417210	87417210	+	1.333E-20	3.2332E-19	0.32479	hyper	sig	chr16_87417210
chr10	774964	774964	+	1.333E-20	3.2334E-19	-0.31145	hypo	sig	chr10_774964
chr2	12926671	12926671	+	1.333E-20	3.2334E-19	-0.27044	hypo	sig	chr2_12926671
chr10	62818426	62818426	+	1.335E-20	3.2368E-19	0.268326	hyper	sig	chr10_62818426
chr3	62374643	62374643	+	1.335E-20	3.2372E-19	0.371504	hyper	sig	chr3_62374643
chr1	1.54E+08	154325336	+	1.336E-20	3.2386E-19	0.227741	hyper	sig	chr1_154325336
chr15	43517312	43517312	+	1.336E-20	3.2386E-19	0.359942	hyper	sig	chr15_43517312
chr7	1.04E+08	104328968	+	1.338E-20	3.2441E-19	0.203759	hyper	sig	chr7_104328968
chr4	8591801	8591801	+	1.338E-20	3.2449E-19	-0.30057	hypo	sig	chr4_8591801
chr16	24255004	24255004	+	1.34E-20	3.2491E-19	-0.27877	hypo	sig	chr16_24255004
chr12	62192459	62192459	+	1.343E-20	3.2554E-19	0.384159	hyper	sig	chr12_62192459
chr1	3217180	3217180	+	1.345E-20	3.2597E-19	0.327669	hyper	sig	chr1_3217180
chr8	1.08E+08	108131475	+	1.345E-20	3.2608E-19	-0.33523	hypo	sig	chr8_108131475
chr8	759613	759613	+	1.348E-20	3.268E-19	-0.26989	hypo	sig	chr8_759613
chr5	71719641	71719641	+	1.349E-20	3.269E-19	0.347633	hyper	sig	chr5_71719641
chr5	1.41E+08	141389513	+	1.351E-20	3.2741E-19	0.300909	hyper	sig	chr5_141389513
chr5	88672977	88672977	+	1.352E-20	3.2768E-19	0.263311	hyper	sig	chr5_88672977
chr5	77638768	77638768	+	1.353E-20	3.279E-19	0.32375	hyper	sig	chr5_77638768
chr3	1.41E+08	141095162	+	1.353E-20	3.2799E-19	0.318073	hyper	sig	chr3_141095162
chr15	83107085	83107085	+	1.354E-20	3.2803E-19	0.23067	hyper	sig	chr15_83107085
chr19	33297629	33297629	+	1.355E-20	3.2838E-19	-0.32636	hypo	sig	chr19_33297629
chr19	841044	841044	+	1.356E-20	3.285E-19	-0.306	hypo	sig	chr19_841044
chr6	28490127	28490127	+	1.357E-20	3.2874E-19	0.24971	hyper	sig	chr6_28490127
chr14	36663876	36663876	+	1.357E-20	3.2881E-19	0.340235	hyper	sig	chr14_36663876
chr11	65584791	65584791	+	1.358E-20	3.2897E-19	0.279864	hyper	sig	chr11_65584791
chr22	32804321	32804321	+	1.36E-20	3.2959E-19	0.296086	hyper	sig	chr22_32804321
chr2	44166233	44166233	+	1.361E-20	3.2979E-19	0.268648	hyper	sig	chr2_44166233
chr22	38214486	38214486	+	1.362E-20	3.3008E-19	0.338492	hyper	sig	chr22_38214486
chr5	1.78E+08	178165718	+	1.363E-20	3.3017E-19	0.402125	hyper	sig	chr5_178165718
chr7	1.2E+08	120272578	+	1.364E-20	3.3038E-19	0.258981	hyper	sig	chr7_120272578
chr9	93346198	93346198	+	1.364E-20	3.3039E-19	0.357298	hyper	sig	chr9_93346198
chr17	21452711	21452711	+	1.364E-20	3.304E-19	0.2807	hyper	sig	chr17_21452711
chr6	33080708	33080708	+	1.365E-20	3.3076E-19	0.405967	hyper	sig	chr6_33080708
chr7	1027816	1027816	+	1.366E-20	3.3087E-19	0.304776	hyper	sig	chr7_1027816
chr5	1.78E+08	178165866	+	1.366E-20	3.3098E-19	0.274884	hyper	sig	chr5_178165866
chr3	42772935	42772935	+	1.368E-20	3.3142E-19	0.307881	hyper	sig	chr3_42772935

chr2	2.41E+08	240565400	+	1.368E-20	3.3143E-19	-0.28188	hypo	sig	chr2_240565400
chr2	98085855	98085855	+	1.369E-20	3.3155E-19	-0.30889	hypo	sig	chr2_98085855
chr3	1.47E+08	147409895	+	1.37E-20	3.3179E-19	0.287748	hyper	sig	chr3_147409895
chr16	8712803	8712803	+	1.37E-20	3.3188E-19	0.262363	hyper	sig	chr16_8712803
chr16	1461366	1461366	+	1.371E-20	3.3192E-19	0.329328	hyper	sig	chr16_1461366
chr4	1.57E+08	157220784	+	1.371E-20	3.3196E-19	0.319309	hyper	sig	chr4_157220784
chr12	85273764	85273764	+	1.372E-20	3.3214E-19	0.262465	hyper	sig	chr12_85273764
chr7	1.29E+08	129127012	+	1.372E-20	3.3214E-19	-0.257	hypo	sig	chr7_129127012
chr8	53877028	53877028	+	1.372E-20	3.3214E-19	0.424287	hyper	sig	chr8_53877028
chr1	96482769	96482769	+	1.373E-20	3.3239E-19	0.330791	hyper	sig	chr1_96482769
chr16	3013713	3013713	+	1.373E-20	3.3247E-19	0.319534	hyper	sig	chr16_3013713
chr6	1.68E+08	168342918	+	1.374E-20	3.3257E-19	-0.31985	hypo	sig	chr6_168342918
chr12	29783142	29783142	+	1.374E-20	3.3265E-19	0.372984	hyper	sig	chr12_29783142
chr11	15114577	15114577	+	1.376E-20	3.3304E-19	0.340186	hyper	sig	chr11_15114577
chr9	1.19E+08	119369242	+	1.377E-20	3.3347E-19	0.289498	hyper	sig	chr9_119369242
chr6	1.33E+08	133242710	+	1.378E-20	3.3357E-19	0.292058	hyper	sig	chr6_133242710
chr3	1.47E+08	147410360	+	1.379E-20	3.3372E-19	0.324412	hyper	sig	chr3_147410360
chr5	1.43E+08	142686563	+	1.379E-20	3.338E-19	0.288424	hyper	sig	chr5_142686563
chr2	64858464	64858464	+	1.381E-20	3.3433E-19	0.259074	hyper	sig	chr2_64858464
chr7	86645127	86645127	+	1.382E-20	3.3449E-19	0.320653	hyper	sig	chr7_86645127
chr8	49909962	49909962	+	1.382E-20	3.3455E-19	0.211019	hyper	sig	chr8_49909962
chr2	1.32E+08	131528845	+	1.383E-20	3.3472E-19	0.230697	hyper	sig	chr2_131528845
chr19	23070514	23070514	+	1.383E-20	3.3485E-19	0.273507	hyper	sig	chr19_23070514
chr13	1.13E+08	112995660	+	1.386E-20	3.3538E-19	-0.35765	hypo	sig	chr13_112995660
chr12	98895540	98895540	+	1.387E-20	3.3561E-19	0.357074	hyper	sig	chr12_98895540
chr17	38841196	38841196	+	1.387E-20	3.3575E-19	0.315056	hyper	sig	chr17_38841196
chr4	92305363	92305363	+	1.388E-20	3.3585E-19	0.233603	hyper	sig	chr4_92305363
chr16	54932790	54932790	+	1.389E-20	3.3606E-19	0.446745	hyper	sig	chr16_54932790
chr10	1.18E+08	117536297	+	1.39E-20	3.3647E-19	0.222913	hyper	sig	chr10_117536297
chr3	1.25E+08	125142034	+	1.392E-20	3.3689E-19	0.252688	hyper	sig	chr3_125142034
chr12	1.2E+08	120101020	+	1.392E-20	3.369E-19	0.292914	hyper	sig	chr12_120101020
chr15	96783663	96783663	+	1.395E-20	3.3758E-19	-0.30094	hypo	sig	chr15_96783663
chr1	1.44E+08	143905633	+	1.395E-20	3.3761E-19	0.289601	hyper	sig	chr1_143905633
chr10	70283775	70283775	+	1.397E-20	3.3794E-19	0.33005	hyper	sig	chr10_70283775
chr18	12254396	12254396	+	1.397E-20	3.3799E-19	0.277337	hyper	sig	chr18_12254396
chr14	24311407	24311407	+	1.397E-20	3.3805E-19	0.262668	hyper	sig	chr14_24311407
chr19	2291374	2291374	+	1.398E-20	3.3832E-19	0.243979	hyper	sig	chr19_2291374
chr12	45051332	45051332	+	1.398E-20	3.3833E-19	0.253849	hyper	sig	chr12_45051332
chr10	633439	633439	+	1.399E-20	3.3841E-19	0.252998	hyper	sig	chr10_633439
chr1	2.48E+08	247518125	+	1.399E-20	3.3845E-19	0.301052	hyper	sig	chr1_247518125
chr13	27922432	27922432	+	1.399E-20	3.385E-19	0.435906	hyper	sig	chr13_27922432
chr1	3011942	3011942	+	1.4E-20	3.3874E-19	0.329119	hyper	sig	chr1_3011942
chr16	29877375	29877375	+	1.4E-20	3.3876E-19	0.283877	hyper	sig	chr16_29877375
chr11	2140720	2140720	+	1.401E-20	3.388E-19	0.27591	hyper	sig	chr11_2140720
chr11	2701210	2701210	+	1.401E-20	3.389E-19	0.257356	hyper	sig	chr11_2701210
chr2	2.42E+08	241804126	+	1.402E-20	3.391E-19	0.251917	hyper	sig	chr2_241804126
chr5	1.76E+08	176365132	+	1.403E-20	3.3944E-19	0.209305	hyper	sig	chr5_176365132
chr12	1.31E+08	131106019	+	1.407E-20	3.4024E-19	-0.29272	hypo	sig	chr12_131106019
chr9	1.34E+08	133609613	+	1.407E-20	3.4036E-19	0.271736	hyper	sig	chr9_133609613
chr4	54101572	54101572	+	1.408E-20	3.4042E-19	0.337689	hyper	sig	chr4_54101572
chr19	32870167	32870167	+	1.409E-20	3.4065E-19	-0.29629	hypo	sig	chr19_32870167
chr7	43311870	43311870	+	1.409E-20	3.4073E-19	-0.28304	hypo	sig	chr7_43311870
chr7	35185752	35185752	+	1.41E-20	3.4097E-19	0.205534	hyper	sig	chr7_35185752
chr5	1106106	1106106	+	1.41E-20	3.41E-19	-0.25633	hypo	sig	chr5_1106106
chr1	2.14E+08	213980117	+	1.411E-20	3.4117E-19	0.327886	hyper	sig	chr1_213980117
chr1	2.29E+08	228650183	+	1.411E-20	3.4126E-19	0.367677	hyper	sig	chr1_228650183

chr9	19789402	19789402	+	1.414E-20	3.418E-19	0.31425	hyper	sig	chr9_19789402
chr6	14024337	14024337	+	1.415E-20	3.4216E-19	-0.26873	hypo	sig	chr6_14024337
chr5	1.71E+08	171317043	+	1.416E-20	3.4229E-19	0.277207	hyper	sig	chr5_171317043
chr13	1.12E+08	112450342	+	1.418E-20	3.4285E-19	-0.26894	hypo	sig	chr13_112450342
chr19	7880045	7880045	+	1.418E-20	3.429E-19	-0.29489	hypo	sig	chr19_7880045
chr6	1.08E+08	108174764	+	1.421E-20	3.4346E-19	0.296433	hyper	sig	chr6_108174764
chr11	2140215	2140215	+	1.422E-20	3.4368E-19	0.213725	hyper	sig	chr11_2140215
chr20	58514967	58514967	+	1.422E-20	3.4372E-19	0.376079	hyper	sig	chr20_58514967
chr15	90869967	90869967	+	1.423E-20	3.4399E-19	-0.33361	hypo	sig	chr15_90869967
chr8	1.2E+08	119672992	+	1.423E-20	3.44E-19	0.271293	hyper	sig	chr8_119672992
chr10	1.31E+08	131061410	+	1.425E-20	3.4454E-19	-0.28506	hypo	sig	chr10_131061410
chr20	58228311	58228311	+	1.426E-20	3.4465E-19	0.25158	hyper	sig	chr20_58228311
chr4	1.11E+08	110630655	+	1.426E-20	3.4474E-19	0.282679	hyper	sig	chr4_110630655
chr17	49994454	49994454	+	1.427E-20	3.4476E-19	0.361045	hyper	sig	chr17_49994454
chr15	52794771	52794771	+	1.427E-20	3.4493E-19	0.242145	hyper	sig	chr15_52794771
chr1	13584226	13584226	+	1.428E-20	3.451E-19	0.378373	hyper	sig	chr1_13584226
chr10	22335165	22335165	+	1.429E-20	3.4527E-19	0.214843	hyper	sig	chr10_22335165
chr11	32433909	32433909	+	1.429E-20	3.4538E-19	0.364888	hyper	sig	chr11_32433909
chr13	34943542	34943542	+	1.433E-20	3.4627E-19	0.229836	hyper	sig	chr13_34943542
chr5	51389778	51389778	+	1.434E-20	3.4649E-19	0.252317	hyper	sig	chr5_51389778
chr3	1.7E+08	169814036	+	1.435E-20	3.4683E-19	-0.31733	hypo	sig	chr3_169814036
chr5	1100212	1100212	+	1.435E-20	3.4683E-19	0.393749	hyper	sig	chr5_1100212
chr17	82228209	82228209	+	1.437E-20	3.4718E-19	-0.2234	hypo	sig	chr17_82228209
chr14	53938643	53938643	+	1.438E-20	3.474E-19	-0.32184	hypo	sig	chr14_53938643
chr14	85531416	85531416	+	1.438E-20	3.4742E-19	0.288477	hyper	sig	chr14_85531416
chr19	58581245	58581245	+	1.441E-20	3.4812E-19	0.266628	hyper	sig	chr19_58581245
chr12	48184764	48184764	+	1.442E-20	3.4824E-19	0.342512	hyper	sig	chr12_48184764
chr9	1.33E+08	132579916	+	1.442E-20	3.4843E-19	0.262749	hyper	sig	chr9_132579916
chr18	47248505	47248505	+	1.443E-20	3.4847E-19	0.319904	hyper	sig	chr18_47248505
chr6	1.68E+08	168302108	+	1.443E-20	3.4849E-19	-0.27008	hypo	sig	chr6_168302108
chr13	64958201	64958201	+	1.443E-20	3.4856E-19	-0.25675	hypo	sig	chr13_64958201
chr12	1.32E+08	131618357	+	1.444E-20	3.4875E-19	0.227535	hyper	sig	chr12_131618357
chr6	26744139	26744139	+	1.444E-20	3.4875E-19	0.228175	hyper	sig	chr6_26744139
chr6	50714721	50714721	+	1.444E-20	3.4886E-19	0.24785	hyper	sig	chr6_50714721
chr18	72544739	72544739	+	1.445E-20	3.491E-19	0.233504	hyper	sig	chr18_72544739
chr13	20717920	20717920	+	1.447E-20	3.4957E-19	-0.28456	hypo	sig	chr13_20717920
chr8	41309590	41309590	+	1.448E-20	3.4967E-19	0.230255	hyper	sig	chr8_41309590
chr12	1.3E+08	130105749	+	1.448E-20	3.4974E-19	0.240959	hyper	sig	chr12_130105749
chr10	62818377	62818377	+	1.449E-20	3.498E-19	0.215914	hyper	sig	chr10_62818377
chr1	1.44E+08	143905615	+	1.451E-20	3.5047E-19	0.291183	hyper	sig	chr1_143905615
chr5	1.5E+08	150488730	+	1.451E-20	3.5047E-19	0.347364	hyper	sig	chr5_150488730
chr5	33936647	33936647	+	1.451E-20	3.5047E-19	0.31349	hyper	sig	chr5_33936647
chr7	50308825	50308825	+	1.453E-20	3.5073E-19	-0.37226	hypo	sig	chr7_50308825
chr1	2.08E+08	207669700	+	1.453E-20	3.5083E-19	0.354153	hyper	sig	chr1_207669700
chr16	1108503	1108503	+	1.455E-20	3.5122E-19	-0.28236	hypo	sig	chr16_1108503
chr12	52950962	52950962	+	1.456E-20	3.5146E-19	-0.27678	hypo	sig	chr12_52950962
chr16	82637845	82637845	+	1.456E-20	3.5146E-19	-0.20012	hypo	sig	chr16_82637845
chr5	37838533	37838533	+	1.459E-20	3.5218E-19	0.281532	hyper	sig	chr5_37838533
chr16	57529412	57529412	+	1.461E-20	3.5281E-19	-0.28415	hypo	sig	chr16_57529412
chr1	1.64E+08	164321585	+	1.463E-20	3.5328E-19	0.204245	hyper	sig	chr1_164321585
chr4	26804748	26804748	+	1.464E-20	3.5338E-19	0.303018	hyper	sig	chr4_26804748
chr5	88685303	88685303	+	1.464E-20	3.5343E-19	0.234982	hyper	sig	chr5_88685303
chr6	49713546	49713546	+	1.465E-20	3.5354E-19	0.267784	hyper	sig	chr6_49713546
chr13	22926239	22926239	+	1.465E-20	3.5362E-19	0.390985	hyper	sig	chr13_22926239
chr10	1.23E+08	122818693	+	1.466E-20	3.5383E-19	0.331123	hyper	sig	chr10_122818693
chr11	46361659	46361659	+	1.467E-20	3.5407E-19	0.266585	hyper	sig	chr11_46361659

chr7	568863	568863	+	1.468E-20	3.5419E-19	0.296929	hyper	sig	chr7_568863
chr4	95547811	95547811	+	1.468E-20	3.5437E-19	0.351104	hyper	sig	chr4_95547811
chr1	1.51E+08	151060531	+	1.468E-20	3.5438E-19	0.276923	hyper	sig	chr1_151060531
chr16	509313	509313	+	1.469E-20	3.5451E-19	-0.29226	hypo	sig	chr16_509313
chr2	1.06E+08	106056267	+	1.47E-20	3.5472E-19	-0.32416	hypo	sig	chr2_106056267
chr6	1309544	1309544	+	1.472E-20	3.5524E-19	-0.2745	hypo	sig	chr6_1309544
chr2	2.02E+08	202035780	+	1.472E-20	3.5525E-19	0.345693	hyper	sig	chr2_202035780
chr5	1.25E+08	124649660	+	1.473E-20	3.5535E-19	-0.23913	hypo	sig	chr5_124649660
chr11	3167918	3167918	+	1.473E-20	3.555E-19	-0.32034	hypo	sig	chr11_3167918
chr7	1.01E+08	100874659	+	1.474E-20	3.5557E-19	0.292748	hyper	sig	chr7_100874659
chr16	1136173	1136173	+	1.475E-20	3.5592E-19	-0.25981	hypo	sig	chr16_1136173
chr16	88410243	88410243	+	1.476E-20	3.5618E-19	-0.22817	hypo	sig	chr16_88410243
chr6	10881676	10881676	+	1.478E-20	3.566E-19	0.307975	hyper	sig	chr6_10881676
chr16	55828912	55828912	+	1.479E-20	3.5678E-19	-0.2543	hypo	sig	chr16_55828912
chr16	66925826	66925826	+	1.482E-20	3.5754E-19	0.316328	hyper	sig	chr16_66925826
chr16	57628159	57628159	+	1.483E-20	3.5762E-19	0.329235	hyper	sig	chr16_57628159
chr4	1.11E+08	110630884	+	1.483E-20	3.5762E-19	0.273704	hyper	sig	chr4_110630884
chr10	61897300	61897300	+	1.483E-20	3.5773E-19	-0.29691	hypo	sig	chr10_61897300
chr19	871106	871106	+	1.483E-20	3.5773E-19	0.2539	hyper	sig	chr19_871106
chr19	18650497	18650497	+	1.484E-20	3.5791E-19	0.288618	hyper	sig	chr19_18650497
chr19	9363221	9363221	+	1.484E-20	3.5806E-19	0.366122	hyper	sig	chr19_9363221
chr1	32754356	32754356	+	1.487E-20	3.5858E-19	0.262132	hyper	sig	chr1_32754356
chr14	68364443	68364443	+	1.487E-20	3.5869E-19	0.29811	hyper	sig	chr14_68364443
chr2	1.37E+08	136766085	+	1.488E-20	3.588E-19	0.282048	hyper	sig	chr2_136766085
chr6	10410331	10410331	+	1.489E-20	3.5901E-19	0.344935	hyper	sig	chr6_10410331
chr22	17370970	17370970	+	1.49E-20	3.5935E-19	0.258482	hyper	sig	chr22_17370970
chr4	1.07E+08	107036205	+	1.491E-20	3.5951E-19	0.229628	hyper	sig	chr4_107036205
chr13	1.12E+08	111972581	+	1.492E-20	3.5975E-19	0.281251	hyper	sig	chr13_111972581
chr16	15726984	15726984	+	1.493E-20	3.5993E-19	-0.31571	hypo	sig	chr16_15726984
chr14	37602080	37602080	+	1.493E-20	3.6E-19	0.288275	hyper	sig	chr14_37602080
chr5	1.41E+08	141150850	+	1.494E-20	3.6027E-19	0.306737	hyper	sig	chr5_141150850
chr12	1.22E+08	121918973	+	1.494E-20	3.6031E-19	0.269736	hyper	sig	chr12_121918973
chr2	1.42E+08	142130520	+	1.495E-20	3.6056E-19	0.27324	hyper	sig	chr2_142130520
chr13	94707517	94707517	+	1.496E-20	3.6063E-19	0.247327	hyper	sig	chr13_94707517
chr3	32817953	32817953	+	1.497E-20	3.6089E-19	0.222157	hyper	sig	chr3_32817953
chr16	782896	782896	+	1.499E-20	3.615E-19	-0.33432	hypo	sig	chr16_782896
chr8	301809	301809	+	1.5E-20	3.616E-19	-0.30815	hypo	sig	chr8_301809
chr14	55440401	55440401	+	1.501E-20	3.6178E-19	0.329012	hyper	sig	chr14_55440401
chr7	76279376	76279376	+	1.502E-20	3.6208E-19	-0.26821	hypo	sig	chr7_76279376
chr13	1.12E+08	111974499	+	1.503E-20	3.6217E-19	0.217208	hyper	sig	chr13_111974499
chr2	2.01E+08	200586589	+	1.502E-20	3.6217E-19	0.342495	hyper	sig	chr2_200586589
chr5	1.47E+08	146878306	+	1.503E-20	3.6225E-19	0.206173	hyper	sig	chr5_146878306
chr16	706400	706400	+	1.503E-20	3.6225E-19	0.227683	hyper	sig	chr16_706400
chr5	1.29E+08	128538916	+	1.503E-20	3.6226E-19	0.235817	hyper	sig	chr5_128538916
chr3	1.13E+08	113441489	+	1.504E-20	3.6255E-19	0.323758	hyper	sig	chr3_113441489
chr16	57667537	57667537	+	1.505E-20	3.6276E-19	-0.32604	hypo	sig	chr16_57667537
chr7	171333	171333	+	1.506E-20	3.6295E-19	-0.33111	hypo	sig	chr7_171333
chr6	29553368	29553368	+	1.506E-20	3.6301E-19	0.244715	hyper	sig	chr6_29553368
chr16	70686603	70686603	+	1.507E-20	3.6305E-19	0.350985	hyper	sig	chr16_70686603
chr19	50728709	50728709	+	1.507E-20	3.6305E-19	0.315538	hyper	sig	chr19_50728709
chr4	7288123	7288123	+	1.507E-20	3.6305E-19	-0.32567	hypo	sig	chr4_7288123
chr4	1405305	1405305	+	1.507E-20	3.6307E-19	0.42821	hyper	sig	chr4_1405305
chr12	57632261	57632261	+	1.513E-20	3.6447E-19	0.30834	hyper	sig	chr12_57632261
chr22	49168624	49168624	+	1.513E-20	3.6447E-19	-0.20894	hypo	sig	chr22_49168624
chr19	1907760	1907760	+	1.514E-20	3.6486E-19	-0.34534	hypo	sig	chr19_1907760
chr5	1.41E+08	140803252	+	1.515E-20	3.6495E-19	0.299987	hyper	sig	chr5_140803252

chr19	15457750	15457750	+	1.515E-20	3.65E-19	0.239362	hyper	sig	chr19_15457750
chr12	50032773	50032773	+	1.515E-20	3.6508E-19	0.348077	hyper	sig	chr12_50032773
chr2	2.22E+08	222295103	+	1.516E-20	3.651E-19	0.414024	hyper	sig	chr2_222295103
chr1	75133982	75133982	+	1.516E-20	3.651E-19	0.261153	hyper	sig	chr1_75133982
chr10	8051350	8051350	+	1.52E-20	3.6606E-19	0.216958	hyper	sig	chr10_8051350
chr5	1.41E+08	141246131	+	1.52E-20	3.661E-19	0.339326	hyper	sig	chr5_141246131
chr16	89052615	89052615	+	1.522E-20	3.6655E-19	-0.45548	hypo	sig	chr16_89052615
chr16	70437177	70437177	+	1.522E-20	3.6656E-19	0.25674	hyper	sig	chr16_70437177
chr7	1.51E+08	151125887	+	1.522E-20	3.6658E-19	0.401608	hyper	sig	chr7_151125887
chr1	2.35E+08	234969872	+	1.523E-20	3.6683E-19	0.276976	hyper	sig	chr1_234969872
chr9	1.28E+08	128339928	+	1.523E-20	3.669E-19	-0.28347	hypo	sig	chr9_128339928
chr7	41965634	41965634	+	1.524E-20	3.6693E-19	-0.30597	hypo	sig	chr7_41965634
chr2	2.13E+08	212537488	+	1.524E-20	3.67E-19	0.226051	hyper	sig	chr2_212537488
chr20	5302306	5302306	+	1.524E-20	3.6705E-19	-0.23948	hypo	sig	chr20_5302306
chr2	1.25E+08	125479408	+	1.526E-20	3.6749E-19	-0.28924	hypo	sig	chr2_125479408
chr21	27143830	27143830	+	1.528E-20	3.6793E-19	-0.29184	hypo	sig	chr21_27143830
chr15	74818817	74818817	+	1.529E-20	3.6816E-19	-0.20093	hypo	sig	chr15_74818817
chr17	48727047	48727047	+	1.53E-20	3.6838E-19	0.306127	hyper	sig	chr17_48727047
chr10	1.32E+08	132296262	+	1.53E-20	3.6852E-19	-0.22824	hypo	sig	chr10_132296262
chr5	43192825	43192825	+	1.531E-20	3.6856E-19	0.200072	hyper	sig	chr5_43192825
chr4	1211601	1211601	+	1.532E-20	3.6882E-19	0.239283	hyper	sig	chr4_1211601
chr11	1.18E+08	117875765	+	1.533E-20	3.6917E-19	0.212382	hyper	sig	chr11_117875765
chr17	38741576	38741576	+	1.539E-20	3.7041E-19	0.288412	hyper	sig	chr17_38741576
chr3	1.28E+08	128481962	+	1.539E-20	3.7043E-19	0.317915	hyper	sig	chr3_128481962
chr2	2.19E+08	218961814	+	1.539E-20	3.7056E-19	0.334074	hyper	sig	chr2_218961814
chr16	29236122	29236122	+	1.544E-20	3.7156E-19	-0.26251	hypo	sig	chr16_29236122
chr2	74134162	74134162	+	1.544E-20	3.7156E-19	0.276132	hyper	sig	chr2_74134162
chr10	86367488	86367488	+	1.545E-20	3.7181E-19	0.213176	hyper	sig	chr10_86367488
chr12	1.32E+08	132275491	+	1.545E-20	3.7196E-19	-0.29465	hypo	sig	chr12_132275491
chr4	54094059	54094059	+	1.547E-20	3.7233E-19	0.324376	hyper	sig	chr4_54094059
chr17	42653908	42653908	+	1.547E-20	3.7236E-19	0.210262	hyper	sig	chr17_42653908
chr5	1.41E+08	141421665	+	1.547E-20	3.7241E-19	0.286689	hyper	sig	chr5_141421665
chr1	2.48E+08	247937029	+	1.548E-20	3.7247E-19	0.218511	hyper	sig	chr1_247937029
chr7	1.46E+08	146116435	+	1.549E-20	3.7279E-19	0.241511	hyper	sig	chr7_146116435
chr19	11170200	11170200	+	1.55E-20	3.7307E-19	0.294479	hyper	sig	chr19_11170200
chr3	14556190	14556190	+	1.55E-20	3.731E-19	-0.27672	hypo	sig	chr3_14556190
chr9	1.38E+08	137549975	+	1.55E-20	3.7311E-19	-0.24276	hypo	sig	chr9_137549975
chr5	1.46E+08	146379286	+	1.551E-20	3.7316E-19	0.29964	hyper	sig	chr5_146379286
chr12	53938188	53938188	+	1.551E-20	3.7325E-19	0.31797	hyper	sig	chr12_53938188
chr14	1.06E+08	105502841	+	1.553E-20	3.7362E-19	-0.33051	hypo	sig	chr14_105502841
chr2	1.3E+08	129979693	+	1.555E-20	3.7407E-19	0.200999	hyper	sig	chr2_129979693
chr3	13041307	13041307	+	1.555E-20	3.7426E-19	-0.29467	hypo	sig	chr3_13041307
chr3	48237368	48237368	+	1.556E-20	3.7446E-19	-0.33802	hypo	sig	chr3_48237368
chr3	48661943	48661943	+	1.556E-20	3.7446E-19	0.22875	hyper	sig	chr3_48661943
chr16	89048195	89048195	+	1.559E-20	3.7509E-19	0.247668	hyper	sig	chr16_89048195
chr13	1.11E+08	110508140	+	1.559E-20	3.7511E-19	-0.4032	hypo	sig	chr13_110508140
chr14	69259504	69259504	+	1.56E-20	3.7537E-19	0.228007	hyper	sig	chr14_69259504
chr13	1.14E+08	113669754	+	1.561E-20	3.755E-19	-0.22029	hypo	sig	chr13_113669754
chr8	1.43E+08	142510458	+	1.563E-20	3.7594E-19	0.326607	hyper	sig	chr8_142510458
chr17	80942625	80942625	+	1.563E-20	3.7596E-19	0.371387	hyper	sig	chr17_80942625
chr13	1.13E+08	112773452	+	1.563E-20	3.7602E-19	0.227326	hyper	sig	chr13_112773452
chr2	5693026	5693026	+	1.564E-20	3.7616E-19	0.320924	hyper	sig	chr2_5693026
chr3	1.96E+08	195851403	+	1.566E-20	3.7661E-19	-0.23102	hypo	sig	chr3_195851403
chr10	1.01E+08	101062444	+	1.568E-20	3.7722E-19	-0.30095	hypo	sig	chr10_101062444
chr12	52007681	52007681	+	1.569E-20	3.7726E-19	0.229115	hyper	sig	chr12_52007681
chr1	26411535	26411535	+	1.57E-20	3.7767E-19	0.201132	hyper	sig	chr1_26411535

chr2	1.32E+08	131589328	+	1.571E-20	3.779E-19	-0.34689	hypo	sig	chr2_131589328
chr1	9652492	9652492	+	1.572E-20	3.7795E-19	0.270486	hyper	sig	chr1_9652492
chr11	79438879	79438879	+	1.573E-20	3.7832E-19	0.238015	hyper	sig	chr11_79438879
chr5	1.41E+08	140882150	+	1.575E-20	3.7881E-19	0.276216	hyper	sig	chr5_140882150
chr12	63822177	63822177	+	1.576E-20	3.7906E-19	0.33409	hyper	sig	chr12_63822177
chr8	25001474	25001474	+	1.577E-20	3.7913E-19	0.276142	hyper	sig	chr8_25001474
chr8	1.08E+08	108083036	+	1.577E-20	3.7929E-19	0.286002	hyper	sig	chr8_108083036
chr3	1.23E+08	123446117	+	1.579E-20	3.7959E-19	0.230281	hyper	sig	chr3_123446117
chr5	1100270	1100270	+	1.579E-20	3.7963E-19	0.296091	hyper	sig	chr5_1100270
chr17	851025	851025	+	1.58E-20	3.7979E-19	0.307533	hyper	sig	chr17_851025
chr8	1.43E+08	142777152	+	1.58E-20	3.7979E-19	0.25911	hyper	sig	chr8_142777152
chr2	1.72E+08	172428907	+	1.582E-20	3.8023E-19	-0.23711	hypo	sig	chr2_172428907
chr3	1.84E+08	184492340	+	1.582E-20	3.8023E-19	0.310731	hyper	sig	chr3_184492340
chr5	77632743	77632743	+	1.583E-20	3.8049E-19	0.331154	hyper	sig	chr5_77632743
chr10	46390568	46390568	+	1.584E-20	3.8068E-19	-0.29142	hypo	sig	chr10_46390568
chr12	2057718	2057718	+	1.584E-20	3.8073E-19	0.324394	hyper	sig	chr12_2057718
chr13	21319246	21319246	+	1.586E-20	3.8124E-19	0.307001	hyper	sig	chr13_21319246
chr12	1.32E+08	132446201	+	1.587E-20	3.8149E-19	-0.21265	hypo	sig	chr12_132446201
chr16	86497184	86497184	+	1.588E-20	3.817E-19	0.323469	hyper	sig	chr16_86497184
chr1	21428477	21428477	+	1.59E-20	3.8205E-19	0.217869	hyper	sig	chr1_21428477
chr8	27921333	27921333	+	1.59E-20	3.8206E-19	-0.24845	hypo	sig	chr8_27921333
chr16	31217041	31217041	+	1.59E-20	3.8209E-19	0.221355	hyper	sig	chr16_31217041
chr9	98943602	98943602	+	1.59E-20	3.8221E-19	0.288258	hyper	sig	chr9_98943602
chr16	51153932	51153932	+	1.591E-20	3.8234E-19	0.292079	hyper	sig	chr16_51153932
chr19	23075696	23075696	+	1.591E-20	3.8236E-19	0.264865	hyper	sig	chr19_23075696
chr7	8442485	8442485	+	1.591E-20	3.8236E-19	0.30568	hyper	sig	chr7_8442485
chr19	3801723	3801723	+	1.592E-20	3.8244E-19	0.255051	hyper	sig	chr19_3801723
chr19	43798533	43798533	+	1.592E-20	3.8256E-19	-0.29527	hypo	sig	chr19_43798533
chr21	45396654	45396654	+	1.593E-20	3.8271E-19	-0.27918	hypo	sig	chr21_45396654
chr12	1.23E+08	123269521	+	1.594E-20	3.8292E-19	0.36073	hyper	sig	chr12_123269521
chr5	3607020	3607020	+	1.594E-20	3.8303E-19	0.323968	hyper	sig	chr5_3607020
chr21	40842019	40842019	+	1.596E-20	3.8333E-19	0.22905	hyper	sig	chr21_40842019
chr2	27083813	27083813	+	1.597E-20	3.8358E-19	0.278892	hyper	sig	chr2_27083813
chr22	38214534	38214534	+	1.598E-20	3.838E-19	0.322697	hyper	sig	chr22_38214534
chr1	18632803	18632803	+	1.599E-20	3.8409E-19	0.331026	hyper	sig	chr1_18632803
chr16	28880418	28880418	+	1.602E-20	3.849E-19	0.245485	hyper	sig	chr16_28880418
chr7	45921874	45921874	+	1.602E-20	3.8492E-19	0.241839	hyper	sig	chr7_45921874
chr6	31139205	31139205	+	1.603E-20	3.8498E-19	-0.26182	hypo	sig	chr6_31139205
chr8	53877135	53877135	+	1.604E-20	3.8519E-19	0.324646	hyper	sig	chr8_53877135
chr20	62740249	62740249	+	1.605E-20	3.8546E-19	-0.30331	hypo	sig	chr20_62740249
chr11	393606	393606	+	1.606E-20	3.8572E-19	-0.31563	hypo	sig	chr11_393606
chr8	9903094	9903094	+	1.607E-20	3.86E-19	0.308776	hyper	sig	chr8_9903094
chr22	39239207	39239207	+	1.608E-20	3.8631E-19	-0.27765	hypo	sig	chr22_39239207
chr21	36159592	36159592	+	1.609E-20	3.8644E-19	-0.28517	hypo	sig	chr21_36159592
chr7	6842614	6842614	+	1.611E-20	3.8696E-19	-0.26504	hypo	sig	chr7_6842614
chr5	1.5E+08	150245631	+	1.611E-20	3.8698E-19	0.31414	hyper	sig	chr5_150245631
chr6	1.7E+08	170280784	+	1.614E-20	3.8754E-19	-0.24421	hypo	sig	chr6_170280784
chr7	1.04E+08	103990605	+	1.617E-20	3.8823E-19	0.207481	hyper	sig	chr7_103990605
chr13	1.11E+08	110508055	+	1.617E-20	3.8838E-19	-0.34808	hypo	sig	chr13_110508055
chr15	88255351	88255351	+	1.618E-20	3.8841E-19	0.237825	hyper	sig	chr15_88255351
chr4	61201738	61201738	+	1.622E-20	3.8938E-19	0.273529	hyper	sig	chr4_61201738
chr1	1.51E+08	151326190	+	1.622E-20	3.8941E-19	0.245938	hyper	sig	chr1_151326190
chr5	1.78E+08	178443271	+	1.622E-20	3.8948E-19	-0.26741	hypo	sig	chr5_178443271
chr7	1246651	1246651	+	1.624E-20	3.898E-19	0.294007	hyper	sig	chr7_1246651
chr1	53367720	53367720	+	1.624E-20	3.8982E-19	-0.30301	hypo	sig	chr1_53367720
chr8	97278133	97278133	+	1.626E-20	3.904E-19	0.287065	hyper	sig	chr8_97278133

chr22	41587813	41587813	+	1.628E-20	3.9071E-19	-0.30007	hypo	sig	chr22_41587813
chr5	3197633	3197633	+	1.632E-20	3.9178E-19	0.328886	hyper	sig	chr5_3197633
chr15	66039587	66039587	+	1.634E-20	3.9215E-19	0.254915	hyper	sig	chr15_66039587
chr5	88672283	88672283	+	1.635E-20	3.9259E-19	0.243608	hyper	sig	chr5_88672283
chr22	49171068	49171068	+	1.636E-20	3.9271E-19	-0.31041	hypo	sig	chr22_49171068
chr8	30442693	30442693	+	1.637E-20	3.9289E-19	0.249383	hyper	sig	chr8_30442693
chr6	1.55E+08	155247764	+	1.64E-20	3.9369E-19	0.280107	hyper	sig	chr6_155247764
chr16	84851649	84851649	+	1.642E-20	3.9422E-19	-0.30221	hypo	sig	chr16_84851649
chr3	63278479	63278479	+	1.643E-20	3.9431E-19	0.274103	hyper	sig	chr3_63278479
chr16	86578991	86578991	+	1.649E-20	3.9581E-19	0.276688	hyper	sig	chr16_86578991
chr4	41751287	41751287	+	1.651E-20	3.9613E-19	0.261405	hyper	sig	chr4_41751287
chr7	91267329	91267329	+	1.651E-20	3.9631E-19	0.353368	hyper	sig	chr7_91267329
chr19	4569037	4569037	+	1.652E-20	3.9647E-19	-0.28638	hypo	sig	chr19_4569037
chr19	41904312	41904312	+	1.653E-20	3.9663E-19	-0.32903	hypo	sig	chr19_41904312
chr1	2892365	2892365	+	1.654E-20	3.9688E-19	0.28641	hyper	sig	chr1_2892365
chr7	1.58E+08	158408715	+	1.655E-20	3.9708E-19	-0.30922	hypo	sig	chr7_158408715
chr3	69454555	69454555	+	1.659E-20	3.9795E-19	-0.26407	hypo	sig	chr3_69454555
chr5	2748016	2748016	+	1.66E-20	3.9821E-19	0.306458	hyper	sig	chr5_2748016
chr19	11189975	11189975	+	1.664E-20	3.9912E-19	0.324738	hyper	sig	chr19_11189975
chr7	1.55E+08	155374687	+	1.664E-20	3.9934E-19	0.218589	hyper	sig	chr7_155374687
chr10	99530566	99530566	+	1.666E-20	3.9962E-19	0.293149	hyper	sig	chr10_99530566
chr5	1.56E+08	155729627	+	1.667E-20	3.9984E-19	0.344148	hyper	sig	chr5_155729627
chr16	67651490	67651490	+	1.67E-20	4.0068E-19	-0.31269	hypo	sig	chr16_67651490
chr20	5302504	5302504	+	1.671E-20	4.0089E-19	-0.29677	hypo	sig	chr20_5302504
chr11	73272313	73272313	+	1.672E-20	4.0099E-19	-0.37766	hypo	sig	chr11_73272313
chr11	1.24E+08	124224807	+	1.674E-20	4.0146E-19	-0.26632	hypo	sig	chr11_124224807
chr12	1.32E+08	131618434	+	1.677E-20	4.0223E-19	0.260425	hyper	sig	chr12_131618434
chr11	1.18E+08	117810218	+	1.678E-20	4.0249E-19	-0.27994	hypo	sig	chr11_117810218
chr3	10993393	10993393	+	1.679E-20	4.0265E-19	0.27502	hyper	sig	chr3_10993393
chr12	54047696	54047696	+	1.679E-20	4.0269E-19	0.314936	hyper	sig	chr12_54047696
chr3	48662208	48662208	+	1.68E-20	4.0302E-19	0.311611	hyper	sig	chr3_48662208
chr9	1.3E+08	130175484	+	1.681E-20	4.0308E-19	0.290396	hyper	sig	chr9_130175484
chr5	1.69E+08	169301551	+	1.685E-20	4.0406E-19	0.279685	hyper	sig	chr5_169301551
chr5	1.14E+08	114055851	+	1.686E-20	4.043E-19	0.330905	hyper	sig	chr5_114055851
chr6	1.7E+08	170107946	+	1.687E-20	4.0447E-19	-0.33233	hypo	sig	chr6_170107946
chr8	1.08E+08	108082301	+	1.687E-20	4.0447E-19	0.300282	hyper	sig	chr8_108082301
chr2	30230892	30230892	+	1.687E-20	4.046E-19	0.390664	hyper	sig	chr2_30230892
chr13	24764069	24764069	+	1.688E-20	4.047E-19	-0.36378	hypo	sig	chr13_24764069
chr1	17424165	17424165	+	1.69E-20	4.0521E-19	0.373378	hyper	sig	chr1_17424165
chr1	1.98E+08	197921329	+	1.69E-20	4.0523E-19	0.319166	hyper	sig	chr1_197921329
chr11	8169112	8169112	+	1.692E-20	4.0564E-19	0.225035	hyper	sig	chr11_8169112
chr7	1538102	1538102	+	1.692E-20	4.0572E-19	0.290069	hyper	sig	chr7_1538102
chr19	41376818	41376818	+	1.693E-20	4.0578E-19	0.242757	hyper	sig	chr19_41376818
chr7	92608653	92608653	+	1.695E-20	4.0644E-19	-0.29308	hypo	sig	chr7_92608653
chr8	39314619	39314619	+	1.696E-20	4.0646E-19	0.337124	hyper	sig	chr8_39314619
chr3	1.83E+08	183255029	+	1.696E-20	4.065E-19	-0.36692	hypo	sig	chr3_183255029
chr10	1173477	1173477	+	1.697E-20	4.0672E-19	-0.32089	hypo	sig	chr10_1173477
chr5	404681	404681	+	1.697E-20	4.0672E-19	-0.26251	hypo	sig	chr5_404681
chr11	64935997	64935997	+	1.698E-20	4.0687E-19	0.24097	hyper	sig	chr11_64935997
chr5	1.41E+08	141246925	+	1.698E-20	4.0689E-19	0.29982	hyper	sig	chr5_141246925
chr8	1.42E+08	141507662	+	1.698E-20	4.0707E-19	-0.28333	hypo	sig	chr8_141507662
chr10	1.17E+08	117140277	+	1.7E-20	4.0742E-19	0.361616	hyper	sig	chr10_117140277
chr3	1.19E+08	119464011	+	1.701E-20	4.0765E-19	-0.26663	hypo	sig	chr3_119464011
chr2	1.19E+08	119159067	+	1.702E-20	4.0781E-19	0.271882	hyper	sig	chr2_119159067
chr3	1.61E+08	161104556	+	1.703E-20	4.0812E-19	0.328734	hyper	sig	chr3_161104556
chr15	60002262	60002262	+	1.703E-20	4.0819E-19	0.301065	hyper	sig	chr15_60002262

chr19	3369827	3369827	+	1.704E-20	4.084E-19	0.370313	hyper	sig	chr19_3369827
chr8	64369728	64369728	+	1.705E-20	4.085E-19	0.291368	hyper	sig	chr8_64369728
chr6	1.08E+08	108163841	+	1.705E-20	4.0857E-19	0.243322	hyper	sig	chr6_108163841
chr8	96493950	96493950	+	1.707E-20	4.0906E-19	0.211173	hyper	sig	chr8_96493950
chr19	1775190	1775190	+	1.708E-20	4.0922E-19	0.284416	hyper	sig	chr19_1775190
chr17	81912861	81912861	+	1.709E-20	4.094E-19	-0.25322	hypo	sig	chr17_81912861
chr11	22343342	22343342	+	1.709E-20	4.0947E-19	0.222049	hyper	sig	chr11_22343342
chr4	1.11E+08	110633946	+	1.711E-20	4.1E-19	0.31849	hyper	sig	chr4_110633946
chr2	98346492	98346492	+	1.713E-20	4.1048E-19	0.361558	hyper	sig	chr2_98346492
chr8	1.45E+08	144699848	+	1.714E-20	4.106E-19	0.326558	hyper	sig	chr8_144699848
chr1	1.56E+08	156388327	+	1.716E-20	4.1098E-19	0.231108	hyper	sig	chr1_156388327
chr7	23473628	23473628	+	1.716E-20	4.11E-19	-0.26045	hypo	sig	chr7_23473628
chr19	57351810	57351810	+	1.717E-20	4.1125E-19	0.372413	hyper	sig	chr19_57351810
chr16	828169	828169	+	1.719E-20	4.1182E-19	-0.26735	hypo	sig	chr16_828169
chr19	58356278	58356278	+	1.72E-20	4.12E-19	0.313253	hyper	sig	chr19_58356278
chr11	66049119	66049119	+	1.721E-20	4.1221E-19	0.341468	hyper	sig	chr11_66049119
chr10	86367601	86367601	+	1.721E-20	4.1222E-19	0.246157	hyper	sig	chr10_86367601
chr5	1.77E+08	176535337	+	1.725E-20	4.1324E-19	-0.24584	hypo	sig	chr5_176535337
chr16	699581	699581	+	1.726E-20	4.1343E-19	-0.23503	hypo	sig	chr16_699581
chr5	1878515	1878515	+	1.726E-20	4.1343E-19	0.326077	hyper	sig	chr5_1878515
chr14	37602237	37602237	+	1.729E-20	4.1402E-19	0.263349	hyper	sig	chr14_37602237
chr8	11445530	11445530	+	1.73E-20	4.1425E-19	-0.25373	hypo	sig	chr8_11445530
chr14	1.03E+08	103102150	+	1.732E-20	4.1479E-19	0.286715	hyper	sig	chr14_103102150
chr5	1.41E+08	141094668	+	1.735E-20	4.1533E-19	0.277029	hyper	sig	chr5_141094668
chr22	49168620	49168620	+	1.737E-20	4.1598E-19	-0.23519	hypo	sig	chr22_49168620
chr10	615857	615857	+	1.74E-20	4.1659E-19	0.293383	hyper	sig	chr10_615857
chr9	1.14E+08	114395548	+	1.742E-20	4.1712E-19	0.316573	hyper	sig	chr9_114395548
chr10	1.33E+08	132979630	+	1.748E-20	4.1854E-19	-0.35821	hypo	sig	chr10_132979630
chr19	52493364	52493364	+	1.748E-20	4.1854E-19	0.349733	hyper	sig	chr19_52493364
chr1	6088989	6088989	+	1.748E-20	4.1854E-19	-0.27164	hypo	sig	chr1_6088989
chr4	1.55E+08	155376802	+	1.749E-20	4.186E-19	0.221146	hyper	sig	chr4_155376802
chr22	42947000	42947000	+	1.749E-20	4.1865E-19	-0.26011	hypo	sig	chr22_42947000
chr14	36583489	36583489	+	1.749E-20	4.1868E-19	0.280192	hyper	sig	chr14_36583489
chr8	23573268	23573268	+	1.752E-20	4.1933E-19	0.288294	hyper	sig	chr8_23573268
chr20	46021614	46021614	+	1.757E-20	4.2047E-19	0.289744	hyper	sig	chr20_46021614
chr3	1.47E+08	147396206	+	1.759E-20	4.2094E-19	0.313605	hyper	sig	chr3_147396206
chr10	1.31E+08	131475921	+	1.76E-20	4.2115E-19	-0.21721	hypo	sig	chr10_131475921
chr2	2.22E+08	222304266	+	1.761E-20	4.2144E-19	0.27965	hyper	sig	chr2_222304266
chr7	561681	561681	+	1.761E-20	4.2144E-19	0.235111	hyper	sig	chr7_561681
chr8	54457863	54457863	+	1.762E-20	4.2158E-19	0.337924	hyper	sig	chr8_54457863
chr16	75249166	75249166	+	1.765E-20	4.2227E-19	0.334253	hyper	sig	chr16_75249166
chr11	12008575	12008575	+	1.767E-20	4.2295E-19	0.2341	hyper	sig	chr11_12008575
chr15	78808721	78808721	+	1.768E-20	4.2303E-19	-0.299	hypo	sig	chr15_78808721
chr2	2.32E+08	232459031	+	1.769E-20	4.2335E-19	0.301233	hyper	sig	chr2_232459031
chr22	46526070	46526070	+	1.769E-20	4.2338E-19	-0.28171	hypo	sig	chr22_46526070
chr8	52564672	52564672	+	1.769E-20	4.2338E-19	0.341025	hyper	sig	chr8_52564672
chr13	24743881	24743881	+	1.77E-20	4.2341E-19	-0.31192	hypo	sig	chr13_24743881
chr6	32197414	32197414	+	1.771E-20	4.2375E-19	0.26323	hyper	sig	chr6_32197414
chr1	1.19E+08	119005973	+	1.772E-20	4.2393E-19	0.368029	hyper	sig	chr1_119005973
chr1	2.34E+08	234214583	+	1.774E-20	4.2436E-19	0.225255	hyper	sig	chr1_234214583
chr22	17564045	17564045	+	1.774E-20	4.2451E-19	0.290667	hyper	sig	chr22_17564045
chr22	26169991	26169991	+	1.775E-20	4.2456E-19	0.338385	hyper	sig	chr22_26169991
chr6	5999065	5999065	+	1.778E-20	4.2539E-19	0.314696	hyper	sig	chr6_5999065
chr1	9183673	9183673	+	1.779E-20	4.2559E-19	0.256864	hyper	sig	chr1_9183673
chr11	92969406	92969406	+	1.779E-20	4.2559E-19	0.298596	hyper	sig	chr11_92969406
chr5	1.41E+08	140877670	+	1.779E-20	4.2565E-19	0.3295	hyper	sig	chr5_140877670

chr19	55437224	55437224	+	1.782E-20	4.2632E-19	0.248624	hyper	sig	chr19_55437224
chr13	99972034	99972034	+	1.784E-20	4.2663E-19	0.338584	hyper	sig	chr13_99972034
chr3	1.58E+08	158094929	+	1.787E-20	4.2733E-19	0.317427	hyper	sig	chr3_158094929
chr10	1.02E+08	101774759	+	1.787E-20	4.2744E-19	0.231624	hyper	sig	chr10_101774759
chr12	5043888	5043888	+	1.789E-20	4.2775E-19	0.4739	hyper	sig	chr12_5043888
chr19	55487365	55487365	+	1.79E-20	4.2796E-19	0.341175	hyper	sig	chr19_55487365
chr22	36069101	36069101	+	1.79E-20	4.2801E-19	-0.29301	hypo	sig	chr22_36069101
chr17	61398155	61398155	+	1.791E-20	4.2823E-19	0.252132	hyper	sig	chr17_61398155
chr22	22520231	22520231	+	1.792E-20	4.286E-19	-0.28891	hypo	sig	chr22_22520231
chr7	44067007	44067007	+	1.794E-20	4.2887E-19	-0.30979	hypo	sig	chr7_44067007
chr14	68628957	68628957	+	1.794E-20	4.2895E-19	-0.3089	hypo	sig	chr14_68628957
chr6	27495599	27495599	+	1.794E-20	4.2895E-19	0.284003	hyper	sig	chr6_27495599
chr6	1.37E+08	137497202	+	1.795E-20	4.291E-19	0.254317	hyper	sig	chr6_137497202
chr17	82882929	82882929	+	1.795E-20	4.2918E-19	-0.28995	hypo	sig	chr17_82882929
chr2	1.61E+08	161416720	+	1.795E-20	4.2918E-19	0.251812	hyper	sig	chr2_161416720
chr13	20713165	20713165	+	1.796E-20	4.2946E-19	-0.277	hypo	sig	chr13_20713165
chr19	41904335	41904335	+	1.797E-20	4.2952E-19	-0.33909	hypo	sig	chr19_41904335
chr11	65833364	65833364	+	1.797E-20	4.2962E-19	0.294754	hyper	sig	chr11_65833364
chr13	24932137	24932137	+	1.797E-20	4.2963E-19	0.243479	hyper	sig	chr13_24932137
chr17	42686911	42686911	+	1.798E-20	4.2986E-19	0.252883	hyper	sig	chr17_42686911
chr4	785688	785688	+	1.799E-20	4.3003E-19	0.352958	hyper	sig	chr4_785688
chr2	1.2E+08	120346521	+	1.8E-20	4.3013E-19	0.315402	hyper	sig	chr2_120346521
chr5	1.36E+08	136444419	+	1.801E-20	4.3044E-19	-0.31799	hypo	sig	chr5_136444419
chr1	3359910	3359910	+	1.801E-20	4.3049E-19	-0.27486	hypo	sig	chr1_3359910
chr6	1.68E+08	167815905	+	1.801E-20	4.3053E-19	-0.30261	hypo	sig	chr6_167815905
chr4	1.74E+08	173527462	+	1.804E-20	4.311E-19	0.30323	hyper	sig	chr4_173527462
chr2	2.34E+08	233939096	+	1.806E-20	4.315E-19	0.319067	hyper	sig	chr2_233939096
chr19	12156318	12156318	+	1.806E-20	4.316E-19	0.256581	hyper	sig	chr19_12156318
chr13	94711982	94711982	+	1.806E-20	4.3165E-19	0.286958	hyper	sig	chr13_94711982
chr13	1.13E+08	113098727	+	1.808E-20	4.3196E-19	0.212716	hyper	sig	chr13_113098727
chr11	20163659	20163659	+	1.809E-20	4.3231E-19	0.293316	hyper	sig	chr11_20163659
chr1	18632868	18632868	+	1.81E-20	4.3249E-19	0.2223	hyper	sig	chr1_18632868
chr6	1.27E+08	127120537	+	1.812E-20	4.3288E-19	0.265087	hyper	sig	chr6_127120537
chr18	21243024	21243024	+	1.812E-20	4.3295E-19	0.225656	hyper	sig	chr18_21243024
chr8	1.41E+08	141141063	+	1.812E-20	4.3295E-19	0.330002	hyper	sig	chr8_141141063
chr3	1.4E+08	139934703	+	1.814E-20	4.3329E-19	0.223294	hyper	sig	chr3_139934703
chr4	65670898	65670898	+	1.814E-20	4.3329E-19	0.226303	hyper	sig	chr4_65670898
chr11	64061286	64061286	+	1.815E-20	4.3358E-19	0.332551	hyper	sig	chr11_64061286
chr2	55923254	55923254	+	1.816E-20	4.3385E-19	0.23704	hyper	sig	chr2_55923254
chr12	2075812	2075812	+	1.816E-20	4.3388E-19	0.37773	hyper	sig	chr12_2075812
chr14	1.06E+08	106205960	+	1.816E-20	4.3388E-19	-0.25202	hypo	sig	chr14_106205960
chr4	1.76E+08	176001571	+	1.816E-20	4.3388E-19	0.305066	hyper	sig	chr4_176001571
chr2	73075622	73075622	+	1.818E-20	4.3424E-19	0.308253	hyper	sig	chr2_73075622
chr20	46651375	46651375	+	1.818E-20	4.3427E-19	0.295786	hyper	sig	chr20_46651375
chr13	1.1E+08	110248299	+	1.818E-20	4.3429E-19	0.312823	hyper	sig	chr13_110248299
chr10	91633523	91633523	+	1.819E-20	4.3434E-19	0.22889	hyper	sig	chr10_91633523
chr4	55125312	55125312	+	1.819E-20	4.3434E-19	0.316771	hyper	sig	chr4_55125312
chr7	27143956	27143956	+	1.819E-20	4.3438E-19	0.327374	hyper	sig	chr7_27143956
chr6	1.68E+08	168091031	+	1.821E-20	4.3479E-19	-0.30268	hypo	sig	chr6_168091031
chr7	6842527	6842527	+	1.821E-20	4.3485E-19	-0.24395	hypo	sig	chr7_6842527
chr12	45051570	45051570	+	1.821E-20	4.3496E-19	0.391084	hyper	sig	chr12_45051570
chr12	78865042	78865042	+	1.823E-20	4.3528E-19	0.243874	hyper	sig	chr12_78865042
chr6	26016393	26016393	+	1.825E-20	4.3588E-19	0.303026	hyper	sig	chr6_26016393
chr4	1576220	1576220	+	1.826E-20	4.3594E-19	-0.24914	hypo	sig	chr4_1576220
chr5	1555792	1555792	+	1.827E-20	4.3618E-19	-0.367	hypo	sig	chr5_1555792
chr7	1.42E+08	141550719	+	1.827E-20	4.3618E-19	0.348454	hyper	sig	chr7_141550719

chr17	79990377	79990377	+	1.827E-20	4.3633E-19	-0.34545	hypo	sig	chr17_79990377
chr5	1.41E+08	141326700	+	1.829E-20	4.366E-19	0.235442	hyper	sig	chr5_141326700
chr20	16573913	16573913	+	1.83E-20	4.3682E-19	-0.31985	hypo	sig	chr20_16573913
chr1	9996779	9996779	+	1.832E-20	4.3726E-19	-0.3005	hypo	sig	chr1_9996779
chr5	44388803	44388803	+	1.832E-20	4.3732E-19	0.255893	hyper	sig	chr5_44388803
chr8	1.44E+08	144275561	+	1.834E-20	4.377E-19	0.274426	hyper	sig	chr8_144275561
chr5	1.35E+08	135490141	+	1.834E-20	4.3781E-19	0.272576	hyper	sig	chr5_135490141
chr3	1.33E+08	133038172	+	1.835E-20	4.3795E-19	0.270259	hyper	sig	chr3_133038172
chr10	1.3E+08	129969899	+	1.836E-20	4.3829E-19	0.262011	hyper	sig	chr10_129969899
chr8	39314594	39314594	+	1.837E-20	4.3859E-19	0.316035	hyper	sig	chr8_39314594
chr2	1.2E+08	120346536	+	1.839E-20	4.3901E-19	0.309753	hyper	sig	chr2_120346536
chr17	36464882	36464882	+	1.84E-20	4.3906E-19	0.403692	hyper	sig	chr17_36464882
chr20	21514838	21514838	+	1.842E-20	4.3953E-19	0.224483	hyper	sig	chr20_21514838
chr3	1.3E+08	129542925	+	1.842E-20	4.3965E-19	-0.22336	hypo	sig	chr3_129542925
chr14	36514337	36514337	+	1.843E-20	4.3976E-19	0.261756	hyper	sig	chr14_36514337
chr19	2517024	2517024	+	1.843E-20	4.3985E-19	-0.29684	hypo	sig	chr19_2517024
chr4	84502008	84502008	+	1.844E-20	4.4001E-19	0.24123	hyper	sig	chr4_84502008
chr19	33372923	33372923	+	1.844E-20	4.4012E-19	-0.32329	hypo	sig	chr19_33372923
chr2	2.13E+08	212537023	+	1.848E-20	4.41E-19	0.332681	hyper	sig	chr2_212537023
chr2	64607372	64607372	+	1.849E-20	4.4128E-19	-0.40274	hypo	sig	chr2_64607372
chr1	43008338	43008338	+	1.85E-20	4.4146E-19	-0.23076	hypo	sig	chr1_43008338
chr16	1205459	1205459	+	1.853E-20	4.4218E-19	-0.30243	hypo	sig	chr16_1205459
chr7	15687816	15687816	+	1.854E-20	4.4234E-19	0.270296	hyper	sig	chr7_15687816
chr7	49775115	49775115	+	1.854E-20	4.4238E-19	0.27744	hyper	sig	chr7_49775115
chr7	65240251	65240251	+	1.855E-20	4.4268E-19	0.219163	hyper	sig	chr7_65240251
chr12	1.24E+08	124429135	+	1.858E-20	4.4317E-19	0.367953	hyper	sig	chr12_124429135
chr14	92514883	92514883	+	1.858E-20	4.4331E-19	0.278019	hyper	sig	chr14_92514883
chr16	2082581	2082581	+	1.86E-20	4.4362E-19	0.228213	hyper	sig	chr16_2082581
chr8	1.18E+08	118074521	+	1.86E-20	4.4362E-19	0.32364	hyper	sig	chr8_118074521
chr10	1.3E+08	129969820	+	1.86E-20	4.4364E-19	0.24018	hyper	sig	chr10_129969820
chr18	57441875	57441875	+	1.86E-20	4.4365E-19	0.28363	hyper	sig	chr18_57441875
chr12	53951989	53951989	+	1.86E-20	4.4376E-19	0.222045	hyper	sig	chr12_53951989
chr2	2.02E+08	202039599	+	1.865E-20	4.4481E-19	0.284398	hyper	sig	chr2_202039599
chr2	1.44E+08	143936803	+	1.866E-20	4.4505E-19	0.222268	hyper	sig	chr2_143936803
chr6	1.5E+08	149965112	+	1.867E-20	4.4517E-19	0.26031	hyper	sig	chr6_149965112
chr13	22897672	22897672	+	1.867E-20	4.4524E-19	-0.35833	hypo	sig	chr13_22897672
chr16	88101915	88101915	+	1.867E-20	4.4526E-19	0.228125	hyper	sig	chr16_88101915
chr20	761072	761072	+	1.869E-20	4.4563E-19	0.330357	hyper	sig	chr20_761072
chr1	1.51E+08	150982078	+	1.869E-20	4.4573E-19	-0.29675	hypo	sig	chr1_150982078
chr20	4721935	4721935	+	1.869E-20	4.4579E-19	-0.30933	hypo	sig	chr20_4721935
chr7	1.22E+08	122300290	+	1.874E-20	4.4684E-19	0.304932	hyper	sig	chr7_122300290
chr14	1.01E+08	101025132	+	1.876E-20	4.473E-19	-0.27282	hypo	sig	chr14_101025132
chr10	774555	774555	+	1.877E-20	4.4761E-19	-0.28556	hypo	sig	chr10_774555
chr10	70602938	70602938	+	1.879E-20	4.48E-19	-0.31902	hypo	sig	chr10_70602938
chr4	1.55E+08	155376787	+	1.879E-20	4.4804E-19	0.22711	hyper	sig	chr4_155376787
chr2	2.02E+08	202035685	+	1.883E-20	4.4895E-19	0.283763	hyper	sig	chr2_202035685
chr19	46489736	46489736	+	1.883E-20	4.4903E-19	0.26206	hyper	sig	chr19_46489736
chr17	78890672	78890672	+	1.885E-20	4.4934E-19	-0.25238	hypo	sig	chr17_78890672
chr2	2.38E+08	238231811	+	1.885E-20	4.4939E-19	0.295346	hyper	sig	chr2_238231811
chr17	1186926	1186926	+	1.886E-20	4.4968E-19	0.289274	hyper	sig	chr17_1186926
chr2	86789160	86789160	+	1.887E-20	4.4989E-19	0.291164	hyper	sig	chr2_86789160
chr8	60908885	60908885	+	1.887E-20	4.4989E-19	-0.20359	hypo	sig	chr8_60908885
chr15	74134038	74134038	+	1.889E-20	4.5035E-19	0.349948	hyper	sig	chr15_74134038
chr7	5354262	5354262	+	1.89E-20	4.5043E-19	0.239739	hyper	sig	chr7_5354262
chr2	1.92E+08	192194732	+	1.89E-20	4.5057E-19	0.283514	hyper	sig	chr2_192194732
chr6	83709570	83709570	+	1.892E-20	4.5084E-19	0.284151	hyper	sig	chr6_83709570

chr7	1E+08	100177952	+	1.892E-20	4.5084E-19	0.362448	hyper	sig	chr7_100177952
chr7	1.17E+08	117320829	+	1.892E-20	4.5091E-19	-0.23458	hypo	sig	chr7_117320829
chr14	1.05E+08	105480021	+	1.893E-20	4.5118E-19	-0.29571	hypo	sig	chr14_105480021
chr17	8880591	8880591	+	1.895E-20	4.5157E-19	-0.28207	hypo	sig	chr17_8880591
chr10	33010219	33010219	+	1.896E-20	4.5173E-19	-0.25271	hypo	sig	chr10_33010219
chr2	1742471	1742471	+	1.897E-20	4.5203E-19	0.255868	hyper	sig	chr2_1742471
chr2	85886977	85886977	+	1.897E-20	4.5214E-19	0.365709	hyper	sig	chr2_85886977
chr17	48722306	48722306	+	1.898E-20	4.5222E-19	0.208473	hyper	sig	chr17_48722306
chr14	37611055	37611055	+	1.898E-20	4.5231E-19	0.286009	hyper	sig	chr14_37611055
chr19	48444407	48444407	+	1.898E-20	4.5231E-19	0.333363	hyper	sig	chr19_48444407
chr8	46407285	46407285	+	1.901E-20	4.5286E-19	-0.29568	hypo	sig	chr8_46407285
chr13	78608016	78608016	+	1.903E-20	4.533E-19	0.376509	hyper	sig	chr13_78608016
chr1	2404447	2404447	+	1.903E-20	4.5342E-19	0.23499	hyper	sig	chr1_2404447
chr10	1173415	1173415	+	1.904E-20	4.5362E-19	-0.33206	hypo	sig	chr10_1173415
chr2	96891548	96891548	+	1.904E-20	4.5368E-19	0.297258	hyper	sig	chr2_96891548
chr16	89154263	89154263	+	1.905E-20	4.5376E-19	-0.32263	hypo	sig	chr16_89154263
chr10	13891637	13891637	+	1.905E-20	4.5388E-19	0.277449	hyper	sig	chr10_13891637
chr16	1107259	1107259	+	1.907E-20	4.5433E-19	-0.29955	hypo	sig	chr16_1107259
chr1	2.03E+08	202860817	+	1.908E-20	4.5441E-19	-0.28362	hypo	sig	chr1_202860817
chr13	36432220	36432220	+	1.908E-20	4.5441E-19	0.238677	hyper	sig	chr13_36432220
chr7	97002485	97002485	+	1.908E-20	4.5445E-19	0.381248	hyper	sig	chr7_97002485
chr6	29670385	29670385	+	1.91E-20	4.5506E-19	-0.25571	hypo	sig	chr6_29670385
chr1	50430500	50430500	+	1.911E-20	4.5509E-19	0.267536	hyper	sig	chr1_50430500
chr9	1.33E+08	132586750	+	1.912E-20	4.5533E-19	0.297438	hyper	sig	chr9_132586750
chr8	1.04E+08	104467055	+	1.913E-20	4.557E-19	0.340374	hyper	sig	chr8_104467055
chr13	1.02E+08	101916596	+	1.914E-20	4.5576E-19	0.339774	hyper	sig	chr13_101916596
chr19	54502738	54502738	+	1.914E-20	4.5579E-19	-0.23792	hypo	sig	chr19_54502738
chr9	1.19E+08	119369219	+	1.915E-20	4.5611E-19	0.34552	hyper	sig	chr9_119369219
chr5	1536485	1536485	+	1.917E-20	4.5653E-19	-0.42474	hypo	sig	chr5_1536485
chr16	85580381	85580381	+	1.917E-20	4.5658E-19	0.341686	hyper	sig	chr16_85580381
chr17	9003757	9003757	+	1.919E-20	4.569E-19	0.24765	hyper	sig	chr17_9003757
chr10	472341	472341	+	1.919E-20	4.569E-19	-0.30307	hypo	sig	chr10_472341
chr5	1.41E+08	140882164	+	1.919E-20	4.5693E-19	0.246907	hyper	sig	chr5_140882164
chr5	64166392	64166392	+	1.919E-20	4.5695E-19	0.251848	hyper	sig	chr5_64166392
chr13	1.12E+08	111893685	+	1.921E-20	4.5726E-19	0.316056	hyper	sig	chr13_111893685
chr14	20633612	20633612	+	1.921E-20	4.5739E-19	0.272822	hyper	sig	chr14_20633612
chr4	1192114	1192114	+	1.922E-20	4.5767E-19	0.304041	hyper	sig	chr4_1192114
chr14	1.04E+08	103879588	+	1.925E-20	4.5829E-19	-0.28272	hypo	sig	chr14_103879588
chr19	58118608	58118608	+	1.932E-20	4.5992E-19	0.323819	hyper	sig	chr19_58118608
chr5	1.32E+08	132075594	+	1.934E-20	4.6035E-19	-0.2634	hypo	sig	chr5_132075594
chr20	63007191	63007191	+	1.935E-20	4.6073E-19	0.335198	hyper	sig	chr20_63007191
chr22	37023754	37023754	+	1.937E-20	4.6106E-19	-0.2799	hypo	sig	chr22_37023754
chr5	73444966	73444966	+	1.938E-20	4.6121E-19	0.330297	hyper	sig	chr5_73444966
chr2	2.02E+08	202035760	+	1.94E-20	4.617E-19	0.301728	hyper	sig	chr2_202035760
chr12	53939422	53939422	+	1.944E-20	4.6272E-19	0.267212	hyper	sig	chr12_53939422
chr12	1.07E+08	106585477	+	1.944E-20	4.6272E-19	0.297364	hyper	sig	chr12_106585477
chr5	1239613	1239613	+	1.945E-20	4.629E-19	-0.27087	hypo	sig	chr5_1239613
chr19	36152649	36152649	+	1.947E-20	4.6334E-19	0.332258	hyper	sig	chr19_36152649
chr19	49048760	49048760	+	1.947E-20	4.6338E-19	-0.30391	hypo	sig	chr19_49048760
chr12	1.08E+08	107775235	+	1.948E-20	4.6346E-19	0.289931	hyper	sig	chr12_107775235
chr8	11703966	11703966	+	1.95E-20	4.6399E-19	0.229473	hyper	sig	chr8_11703966
chr3	36992340	36992340	+	1.951E-20	4.6418E-19	0.200658	hyper	sig	chr3_36992340
chr7	178857	178857	+	1.953E-20	4.647E-19	-0.32159	hypo	sig	chr7_178857
chr1	9996782	9996782	+	1.955E-20	4.6508E-19	-0.27776	hypo	sig	chr1_9996782
chr19	57317785	57317785	+	1.955E-20	4.6509E-19	0.285877	hyper	sig	chr19_57317785
chr3	1.38E+08	138450886	+	1.955E-20	4.651E-19	-0.36183	hypo	sig	chr3_138450886

chr10	3127112	3127112	+	1.956E-20	4.6538E-19	0.298693	hyper	sig	chr10_3127112
chr6	1.37E+08	137045232	+	1.958E-20	4.6571E-19	-0.24609	hypo	sig	chr6_137045232
chr10	16520609	16520609	+	1.959E-20	4.6599E-19	0.267759	hyper	sig	chr10_16520609
chr1	12167863	12167863	+	1.959E-20	4.6607E-19	-0.20851	hypo	sig	chr1_12167863
chr1	17423691	17423691	+	1.96E-20	4.6635E-19	0.364891	hyper	sig	chr1_17423691
chr12	50082438	50082438	+	1.969E-20	4.6827E-19	-0.365	hypo	sig	chr12_50082438
chr13	1.07E+08	106530744	+	1.971E-20	4.6871E-19	-0.29651	hypo	sig	chr13_106530744
chr1	76867427	76867427	+	1.971E-20	4.6878E-19	0.222862	hyper	sig	chr1_76867427
chr14	28765698	28765698	+	1.972E-20	4.6896E-19	0.283042	hyper	sig	chr14_28765698
chr8	48870564	48870564	+	1.975E-20	4.6969E-19	0.358252	hyper	sig	chr8_48870564
chr20	25082226	25082226	+	1.976E-20	4.6991E-19	0.367218	hyper	sig	chr20_25082226
chr10	1.32E+08	132280896	+	1.976E-20	4.7005E-19	-0.3043	hypo	sig	chr10_132280896
chr11	2141157	2141157	+	1.978E-20	4.7039E-19	0.2506	hyper	sig	chr11_2141157
chr2	660780	660780	+	1.978E-20	4.7039E-19	0.2722	hyper	sig	chr2_660780
chr17	81031170	81031170	+	1.982E-20	4.7122E-19	-0.30335	hypo	sig	chr17_81031170
chr7	1.59E+08	159144031	+	1.986E-20	4.7224E-19	0.296524	hyper	sig	chr7_159144031
chr13	78608086	78608086	+	1.987E-20	4.725E-19	0.32949	hyper	sig	chr13_78608086
chr17	9226777	9226777	+	1.987E-20	4.7252E-19	-0.27297	hypo	sig	chr17_9226777
chr1	54273525	54273525	+	1.988E-20	4.726E-19	0.360645	hyper	sig	chr1_54273525
chr6	32197406	32197406	+	1.989E-20	4.729E-19	0.275476	hyper	sig	chr6_32197406
chr7	1.01E+08	100866500	+	1.993E-20	4.7381E-19	-0.33973	hypo	sig	chr7_100866500
chr2	1.06E+08	106343499	+	1.994E-20	4.7414E-19	-0.47598	hypo	sig	chr2_106343499
chr8	1054106	1054106	+	1.998E-20	4.7496E-19	0.302526	hyper	sig	chr8_1054106
chr4	6689233	6689233	+	1.998E-20	4.7498E-19	-0.24171	hypo	sig	chr4_6689233
chr13	27793114	27793114	+	1.999E-20	4.7524E-19	0.422974	hyper	sig	chr13_27793114
chr3	68932854	68932854	+	2E-20	4.7537E-19	0.278895	hyper	sig	chr3_68932854
chr11	66543951	66543951	+	2.001E-20	4.7572E-19	0.280469	hyper	sig	chr11_66543951
chr1	10674584	10674584	+	2.002E-20	4.7587E-19	0.317122	hyper	sig	chr1_10674584
chr7	55018528	55018528	+	2.005E-20	4.7647E-19	0.295921	hyper	sig	chr7_55018528
chr1	2.07E+08	207496562	+	2.009E-20	4.7755E-19	0.244777	hyper	sig	chr1_207496562
chr6	72621952	72621952	+	2.011E-20	4.7792E-19	0.220131	hyper	sig	chr6_72621952
chr16	89085372	89085372	+	2.011E-20	4.7793E-19	-0.32337	hypo	sig	chr16_89085372
chr1	1.5E+08	150151544	+	2.011E-20	4.7798E-19	0.28481	hyper	sig	chr1_150151544
chr1	3248053	3248053	+	2.016E-20	4.7905E-19	0.272963	hyper	sig	chr1_3248053
chr11	30585836	30585836	+	2.018E-20	4.7963E-19	0.314017	hyper	sig	chr11_30585836
chr1	15756589	15756589	+	2.023E-20	4.8085E-19	-0.25907	hypo	sig	chr1_15756589
chr5	4230767	4230767	+	2.028E-20	4.8185E-19	0.275492	hyper	sig	chr5_4230767
chr15	89360391	89360391	+	2.028E-20	4.8196E-19	0.37699	hyper	sig	chr15_89360391
chr8	1.39E+08	138881731	+	2.031E-20	4.8249E-19	-0.35463	hypo	sig	chr8_138881731
chr16	4664094	4664094	+	2.031E-20	4.8255E-19	-0.25502	hypo	sig	chr16_4664094
chr3	1.5E+08	149657100	+	2.032E-20	4.8288E-19	0.224168	hyper	sig	chr3_149657100
chr3	1.72E+08	172448384	+	2.032E-20	4.8289E-19	0.288654	hyper	sig	chr3_172448384
chr1	1.81E+08	181413741	+	2.033E-20	4.8297E-19	-0.27878	hypo	sig	chr1_181413741
chr12	1.28E+08	128190888	+	2.035E-20	4.8352E-19	0.289263	hyper	sig	chr12_128190888
chr3	1.56E+08	155745863	+	2.036E-20	4.8358E-19	-0.25631	hypo	sig	chr3_155745863
chr7	983353	983353	+	2.036E-20	4.8368E-19	0.249836	hyper	sig	chr7_983353
chr16	85575315	85575315	+	2.037E-20	4.8396E-19	0.284932	hyper	sig	chr16_85575315
chr15	52785842	52785842	+	2.038E-20	4.8411E-19	0.228607	hyper	sig	chr15_52785842
chr7	1.46E+08	146116431	+	2.041E-20	4.8475E-19	0.231999	hyper	sig	chr7_146116431
chr9	34809729	34809729	+	2.042E-20	4.8515E-19	0.317595	hyper	sig	chr9_34809729
chr6	1.46E+08	146029434	+	2.044E-20	4.8545E-19	0.296852	hyper	sig	chr6_146029434
chr2	2.39E+08	239275451	+	2.044E-20	4.8557E-19	-0.2497	hypo	sig	chr2_239275451
chr5	1.81E+08	181114872	+	2.047E-20	4.8623E-19	0.30082	hyper	sig	chr5_181114872
chr10	27745115	27745115	+	2.05E-20	4.8692E-19	0.29497	hyper	sig	chr10_27745115
chr11	1.23E+08	122980299	+	2.05E-20	4.8696E-19	0.212341	hyper	sig	chr11_122980299
chr2	1.92E+08	192196029	+	2.054E-20	4.8773E-19	0.319063	hyper	sig	chr2_192196029

chr14	28778353	28778353	+	2.054E-20	4.8781E-19	0.274609	hyper	sig	chr14_28778353
chr4	4858248	4858248	+	2.054E-20	4.8781E-19	0.275093	hyper	sig	chr4_4858248
chr19	10817602	10817602	+	2.057E-20	4.8837E-19	0.275338	hyper	sig	chr19_10817602
chr6	98842446	98842446	+	2.059E-20	4.889E-19	0.243812	hyper	sig	chr6_98842446
chr6	50845969	50845969	+	2.061E-20	4.8941E-19	0.377811	hyper	sig	chr6_50845969
chr2	1.01E+08	100604162	+	2.063E-20	4.8995E-19	0.249816	hyper	sig	chr2_100604162
chr1	45622883	45622883	+	2.064E-20	4.9015E-19	0.335647	hyper	sig	chr1_45622883
chr10	1.01E+08	101292848	+	2.064E-20	4.9015E-19	0.21579	hyper	sig	chr10_101292848
chr20	9514925	9514925	+	2.066E-20	4.9051E-19	0.204908	hyper	sig	chr20_9514925
chr5	1.41E+08	141303800	+	2.068E-20	4.9091E-19	0.398825	hyper	sig	chr5_141303800
chr1	1.61E+08	161422120	+	2.068E-20	4.9097E-19	0.251319	hyper	sig	chr1_161422120
chr9	35676320	35676320	+	2.069E-20	4.9118E-19	0.346846	hyper	sig	chr9_35676320
chr10	30069108	30069108	+	2.069E-20	4.9126E-19	-0.23652	hypo	sig	chr10_30069108
chr5	3602450	3602450	+	2.072E-20	4.9178E-19	0.302396	hyper	sig	chr5_3602450
chr7	1.55E+08	155070707	+	2.072E-20	4.9185E-19	0.305982	hyper	sig	chr7_155070707
chr4	1005767	1005767	+	2.076E-20	4.9285E-19	-0.23873	hypo	sig	chr4_1005767
chr9	1.34E+08	133918315	+	2.077E-20	4.929E-19	0.294295	hyper	sig	chr9_133918315
chr12	45050029	45050029	+	2.08E-20	4.9358E-19	0.259118	hyper	sig	chr12_45050029
chr12	21941818	21941818	+	2.08E-20	4.9367E-19	0.201229	hyper	sig	chr12_21941818
chr1	1.53E+08	152757934	+	2.08E-20	4.9369E-19	-0.25262	hypo	sig	chr1_152757934
chr1	26351605	26351605	+	2.083E-20	4.9432E-19	-0.25279	hypo	sig	chr1_26351605
chr17	65538543	65538543	+	2.084E-20	4.9466E-19	-0.26066	hypo	sig	chr17_65538543
chr1	1.53E+08	152796251	+	2.087E-20	4.9522E-19	-0.25151	hypo	sig	chr1_152796251
chr1	2.08E+08	207669717	+	2.087E-20	4.953E-19	0.327195	hyper	sig	chr1_207669717
chr5	1.79E+08	178590836	+	2.089E-20	4.956E-19	0.267366	hyper	sig	chr5_178590836
chr1	1.8E+08	180255574	+	2.09E-20	4.9594E-19	-0.2247	hypo	sig	chr1_180255574
chr4	95549831	95549831	+	2.094E-20	4.9679E-19	0.249429	hyper	sig	chr4_95549831
chr1	2.47E+08	247172435	+	2.095E-20	4.97E-19	-0.25718	hypo	sig	chr1_247172435
chr5	1.41E+08	141393250	+	2.099E-20	4.9804E-19	0.275061	hyper	sig	chr5_141393250
chr1	9996788	9996788	+	2.1E-20	4.9812E-19	-0.261	hypo	sig	chr1_9996788
chr1	1.44E+08	143652029	+	2.103E-20	4.9889E-19	0.31127	hyper	sig	chr1_143652029
chr1	24931216	24931216	+	2.104E-20	4.9926E-19	0.370768	hyper	sig	chr1_24931216
chr8	39978478	39978478	+	2.106E-20	4.9958E-19	0.278183	hyper	sig	chr8_39978478
chr15	82648740	82648740	+	2.107E-20	4.9971E-19	0.294122	hyper	sig	chr15_82648740
chr7	97951207	97951207	+	2.108E-20	4.9994E-19	-0.25492	hypo	sig	chr7_97951207
chr22	36320473	36320473	+	2.109E-20	5.0017E-19	0.232779	hyper	sig	chr22_36320473
chr6	28635175	28635175	+	2.109E-20	5.002E-19	0.207214	hyper	sig	chr6_28635175
chr7	1.51E+08	151125856	+	2.111E-20	5.0072E-19	0.353376	hyper	sig	chr7_151125856
chr11	32434278	32434278	+	2.112E-20	5.0084E-19	0.390629	hyper	sig	chr11_32434278
chr2	2.41E+08	240672647	+	2.117E-20	5.0217E-19	0.331383	hyper	sig	chr2_240672647
chr1	2.01E+08	201175051	+	2.118E-20	5.0218E-19	-0.30923	hypo	sig	chr1_201175051
chr16	21302608	21302608	+	2.118E-20	5.0218E-19	-0.29556	hypo	sig	chr16_21302608
chr9	34457232	34457232	+	2.12E-20	5.0266E-19	0.359303	hyper	sig	chr9_34457232
chr16	2126934	2126934	+	2.122E-20	5.0317E-19	0.319471	hyper	sig	chr16_2126934
chr10	69811067	69811067	+	2.122E-20	5.0327E-19	-0.31984	hypo	sig	chr10_69811067
chr4	65669901	65669901	+	2.125E-20	5.0395E-19	0.225139	hyper	sig	chr4_65669901
chr5	5568455	5568455	+	2.127E-20	5.0429E-19	-0.28489	hypo	sig	chr5_5568455
chr10	70283796	70283796	+	2.129E-20	5.0476E-19	0.319035	hyper	sig	chr10_70283796
chr10	80356723	80356723	+	2.129E-20	5.0477E-19	0.215485	hyper	sig	chr10_80356723
chr7	1237873	1237873	+	2.129E-20	5.0479E-19	0.330726	hyper	sig	chr7_1237873
chr6	96016257	96016257	+	2.13E-20	5.0489E-19	0.395701	hyper	sig	chr6_96016257
chr9	36166098	36166098	+	2.13E-20	5.0503E-19	0.307065	hyper	sig	chr9_36166098
chr20	46149365	46149365	+	2.131E-20	5.0529E-19	-0.39893	hypo	sig	chr20_46149365
chr3	1.82E+08	181723822	+	2.132E-20	5.0551E-19	0.239001	hyper	sig	chr3_181723822
chr6	10881779	10881779	+	2.133E-20	5.0562E-19	0.282786	hyper	sig	chr6_10881779
chr11	1.25E+08	125494834	+	2.134E-20	5.0597E-19	0.291886	hyper	sig	chr11_125494834

chr17	74935599	74935599	+	2.136E-20	5.0643E-19	0.31749	hyper	sig	chr17_74935599
chr10	1.3E+08	129960462	+	2.137E-20	5.0647E-19	0.331785	hyper	sig	chr10_129960462
chr1	6330505	6330505	+	2.137E-20	5.0655E-19	0.274289	hyper	sig	chr1_6330505
chr13	78597408	78597408	+	2.138E-20	5.0681E-19	0.396146	hyper	sig	chr13_78597408
chr12	1.27E+08	127456346	+	2.14E-20	5.0715E-19	0.38768	hyper	sig	chr12_127456346
chr9	1.38E+08	137606904	+	2.141E-20	5.0734E-19	-0.30608	hypo	sig	chr9_137606904
chr20	64048357	64048357	+	2.141E-20	5.0739E-19	0.253047	hyper	sig	chr20_64048357
chr19	4555826	4555826	+	2.143E-20	5.0783E-19	-0.47317	hypo	sig	chr19_4555826
chr15	93070783	93070783	+	2.146E-20	5.0868E-19	0.30216	hyper	sig	chr15_93070783
chr6	29828126	29828126	+	2.149E-20	5.0919E-19	0.218533	hyper	sig	chr6_29828126
chr7	64574714	64574714	+	2.149E-20	5.0919E-19	0.288924	hyper	sig	chr7_64574714
chr16	3189351	3189351	+	2.149E-20	5.0928E-19	0.277319	hyper	sig	chr16_3189351
chr5	1931329	1931329	+	2.149E-20	5.0933E-19	0.270554	hyper	sig	chr5_1931329
chr1	3460319	3460319	+	2.151E-20	5.0967E-19	-0.26244	hypo	sig	chr1_3460319
chr4	52862816	52862816	+	2.151E-20	5.0972E-19	0.27548	hyper	sig	chr4_52862816
chr11	67978671	67978671	+	2.154E-20	5.1029E-19	-0.23088	hypo	sig	chr11_67978671
chr1	1.51E+08	151145893	+	2.156E-20	5.1085E-19	0.228888	hyper	sig	chr1_151145893
chr4	1.44E+08	143700245	+	2.157E-20	5.1105E-19	0.284527	hyper	sig	chr4_143700245
chr21	36704384	36704384	+	2.16E-20	5.1163E-19	0.352455	hyper	sig	chr21_36704384
chr5	1.75E+08	174731928	+	2.163E-20	5.1252E-19	0.321352	hyper	sig	chr5_174731928
chr3	1.82E+08	181723824	+	2.165E-20	5.1294E-19	0.236923	hyper	sig	chr3_181723824
chr3	62370702	62370702	+	2.165E-20	5.1297E-19	0.300906	hyper	sig	chr3_62370702
chr6	1.68E+08	168356478	+	2.166E-20	5.1299E-19	-0.28443	hypo	sig	chr6_168356478
chr6	10385282	10385282	+	2.166E-20	5.1312E-19	0.324429	hyper	sig	chr6_10385282
chr12	53938207	53938207	+	2.167E-20	5.1322E-19	0.305913	hyper	sig	chr12_53938207
chr5	1.77E+08	177400239	+	2.168E-20	5.1342E-19	0.328621	hyper	sig	chr5_177400239
chr19	51949138	51949138	+	2.168E-20	5.1355E-19	0.269676	hyper	sig	chr19_51949138
chr6	1.01E+08	101392494	+	2.17E-20	5.1395E-19	0.28151	hyper	sig	chr6_101392494
chr6	1.69E+08	169160142	+	2.171E-20	5.1424E-19	-0.26204	hypo	sig	chr6_169160142
chr6	1E+08	100464019	+	2.172E-20	5.1444E-19	0.297869	hyper	sig	chr6_100464019
chr16	67001507	67001507	+	2.174E-20	5.1484E-19	0.292366	hyper	sig	chr16_67001507
chr10	369403	369403	+	2.175E-20	5.1497E-19	0.208124	hyper	sig	chr10_369403
chr7	24285351	24285351	+	2.175E-20	5.1503E-19	0.282244	hyper	sig	chr7_24285351
chr13	1.12E+08	111535061	+	2.176E-20	5.1523E-19	0.261882	hyper	sig	chr13_111535061
chr7	18087298	18087298	+	2.177E-20	5.1555E-19	0.235374	hyper	sig	chr7_18087298
chr16	8869851	8869851	+	2.179E-20	5.1593E-19	-0.27833	hypo	sig	chr16_8869851
chr6	50725012	50725012	+	2.18E-20	5.1614E-19	0.311964	hyper	sig	chr6_50725012
chr15	83284056	83284056	+	2.181E-20	5.1635E-19	0.297468	hyper	sig	chr15_83284056
chr5	1.41E+08	141375702	+	2.181E-20	5.1644E-19	0.283025	hyper	sig	chr5_141375702
chr8	1.04E+08	104223374	+	2.181E-20	5.1644E-19	0.273134	hyper	sig	chr8_104223374
chr19	11674186	11674186	+	2.182E-20	5.1655E-19	0.298728	hyper	sig	chr19_11674186
chr8	11347172	11347172	+	2.184E-20	5.1695E-19	0.272217	hyper	sig	chr8_11347172
chr5	6729549	6729549	+	2.186E-20	5.1744E-19	-0.27356	hypo	sig	chr5_6729549
chr2	1.07E+08	106887272	+	2.186E-20	5.1759E-19	0.221983	hyper	sig	chr2_106887272
chr4	55794232	55794232	+	2.192E-20	5.1894E-19	0.248714	hyper	sig	chr4_55794232
chr14	1.03E+08	103102206	+	2.193E-20	5.1904E-19	0.335698	hyper	sig	chr14_103102206
chr19	34905261	34905261	+	2.193E-20	5.192E-19	0.368555	hyper	sig	chr19_34905261
chr15	92583798	92583798	+	2.195E-20	5.1966E-19	-0.20615	hypo	sig	chr15_92583798
chr7	1.51E+08	151181333	+	2.196E-20	5.1978E-19	-0.3331	hypo	sig	chr7_151181333
chr5	1.41E+08	141428081	+	2.197E-20	5.1992E-19	0.323347	hyper	sig	chr5_141428081
chr8	48873039	48873039	+	2.197E-20	5.1993E-19	-0.29408	hypo	sig	chr8_48873039
chr7	1602307	1602307	+	2.197E-20	5.2002E-19	-0.27976	hypo	sig	chr7_1602307
chr8	23707169	23707169	+	2.197E-20	5.2006E-19	0.283005	hyper	sig	chr8_23707169
chr7	2063689	2063689	+	2.198E-20	5.2006E-19	-0.30926	hypo	sig	chr7_2063689
chr1	1.71E+08	170660945	+	2.199E-20	5.2032E-19	0.321022	hyper	sig	chr1_170660945
chr12	1.27E+08	126728032	+	2.199E-20	5.2041E-19	0.292528	hyper	sig	chr12_126728032

chr1	6520113	6520113	+	2.199E-20	5.2046E-19	0.272347	hyper	sig	chr1_6520113
chr2	2.22E+08	222289470	+	2.2E-20	5.2063E-19	0.270083	hyper	sig	chr2_222289470
chr2	660816	660816	+	2.201E-20	5.2078E-19	0.294559	hyper	sig	chr2_660816
chr1	22637112	22637112	+	2.201E-20	5.2083E-19	-0.27769	hypo	sig	chr1_22637112
chr11	2271941	2271941	+	2.202E-20	5.2112E-19	0.258969	hyper	sig	chr11_2271941
chr2	44928120	44928120	+	2.204E-20	5.2146E-19	0.351112	hyper	sig	chr2_44928120
chr7	30728730	30728730	+	2.206E-20	5.2195E-19	-0.30164	hypo	sig	chr7_30728730
chr3	1.25E+08	125142027	+	2.206E-20	5.2202E-19	0.262698	hyper	sig	chr3_125142027
chr6	1.07E+08	106509559	+	2.207E-20	5.2219E-19	0.257422	hyper	sig	chr6_106509559
chr15	60001921	60001921	+	2.208E-20	5.2237E-19	0.323791	hyper	sig	chr15_60001921
chr9	1.19E+08	119369776	+	2.209E-20	5.2251E-19	0.305129	hyper	sig	chr9_119369776
chr1	2174783	2174783	+	2.209E-20	5.2253E-19	0.302693	hyper	sig	chr1_2174783
chr19	50639074	50639074	+	2.209E-20	5.2253E-19	0.282293	hyper	sig	chr19_50639074
chr6	1.66E+08	165662034	+	2.209E-20	5.2259E-19	0.279566	hyper	sig	chr6_165662034
chr7	27239966	27239966	+	2.21E-20	5.2273E-19	0.296624	hyper	sig	chr7_27239966
chr1	32464774	32464774	+	2.211E-20	5.2307E-19	0.227008	hyper	sig	chr1_32464774
chr12	1.31E+08	130716180	+	2.213E-20	5.2342E-19	0.232416	hyper	sig	chr12_130716180
chr5	1.13E+08	113435147	+	2.213E-20	5.2342E-19	-0.5262	hypo	sig	chr5_113435147
chr1	18631629	18631629	+	2.218E-20	5.2449E-19	0.214667	hyper	sig	chr1_18631629
chr10	1.17E+08	117140280	+	2.219E-20	5.2478E-19	0.367923	hyper	sig	chr10_117140280
chr5	55220980	55220980	+	2.221E-20	5.2532E-19	0.243501	hyper	sig	chr5_55220980
chr1	2073570	2073570	+	2.225E-20	5.2611E-19	0.283004	hyper	sig	chr1_2073570
chr10	43573929	43573929	+	2.225E-20	5.2629E-19	0.323861	hyper	sig	chr10_43573929
chr7	4309838	4309838	+	2.226E-20	5.2637E-19	-0.22037	hypo	sig	chr7_4309838
chr2	2.01E+08	200586248	+	2.227E-20	5.2653E-19	0.293095	hyper	sig	chr2_200586248
chr2	44955014	44955014	+	2.229E-20	5.2702E-19	0.225194	hyper	sig	chr2_44955014
chr6	50724457	50724457	+	2.229E-20	5.2703E-19	0.223595	hyper	sig	chr6_50724457
chr12	41189588	41189588	+	2.231E-20	5.2746E-19	0.283836	hyper	sig	chr12_41189588
chr1	1.5E+08	150150943	+	2.232E-20	5.2776E-19	0.221583	hyper	sig	chr1_150150943
chr13	1.1E+08	110129197	+	2.233E-20	5.2789E-19	-0.33246	hypo	sig	chr13_110129197
chr15	60002260	60002260	+	2.233E-20	5.2792E-19	0.305785	hyper	sig	chr15_60002260
chr2	96859051	96859051	+	2.233E-20	5.2794E-19	0.286269	hyper	sig	chr2_96859051
chr6	10417398	10417398	+	2.235E-20	5.2826E-19	0.260757	hyper	sig	chr6_10417398
chr2	63054032	63054032	+	2.235E-20	5.2842E-19	0.200091	hyper	sig	chr2_63054032
chr6	16229779	16229779	+	2.236E-20	5.2856E-19	0.322037	hyper	sig	chr6_16229779
chr11	1.16E+08	115660264	+	2.237E-20	5.287E-19	0.247887	hyper	sig	chr11_115660264
chr13	36298209	36298209	+	2.237E-20	5.2878E-19	0.220384	hyper	sig	chr13_36298209
chr13	26046659	26046659	+	2.241E-20	5.2968E-19	-0.31056	hypo	sig	chr13_26046659
chr19	57600292	57600292	+	2.245E-20	5.3074E-19	0.24174	hyper	sig	chr19_57600292
chr16	3183073	3183073	+	2.246E-20	5.3089E-19	0.248351	hyper	sig	chr16_3183073
chr19	33227251	33227251	+	2.249E-20	5.3159E-19	0.347564	hyper	sig	chr19_33227251
chr5	1.76E+08	175683633	+	2.25E-20	5.3167E-19	-0.21294	hypo	sig	chr5_175683633
chr12	1.04E+08	104050109	+	2.25E-20	5.3177E-19	0.227988	hyper	sig	chr12_104050109
chr19	1775188	1775188	+	2.251E-20	5.3185E-19	0.279788	hyper	sig	chr19_1775188
chr6	84052182	84052182	+	2.251E-20	5.3186E-19	0.309431	hyper	sig	chr6_84052182
chr4	1099903	1099903	+	2.251E-20	5.32E-19	-0.24717	hypo	sig	chr4_1099903
chr11	642969	642969	+	2.252E-20	5.3217E-19	-0.29289	hypo	sig	chr11_642969
chr5	1.81E+08	181059793	+	2.252E-20	5.3217E-19	0.228632	hyper	sig	chr5_181059793
chr16	81215101	81215101	+	2.254E-20	5.3253E-19	-0.37827	hypo	sig	chr16_81215101
chr6	89410519	89410519	+	2.255E-20	5.3286E-19	-0.22588	hypo	sig	chr6_89410519
chr19	39428300	39428300	+	2.256E-20	5.3307E-19	0.274232	hyper	sig	chr19_39428300
chr4	1.11E+08	110630831	+	2.259E-20	5.3365E-19	0.329473	hyper	sig	chr4_110630831
chr1	1.21E+08	121118003	+	2.261E-20	5.341E-19	0.290993	hyper	sig	chr1_121118003
chr12	42287401	42287401	+	2.262E-20	5.3447E-19	-0.31434	hypo	sig	chr12_42287401
chr15	93036955	93036955	+	2.263E-20	5.3455E-19	-0.25651	hypo	sig	chr15_93036955
chr12	1.14E+08	114409753	+	2.267E-20	5.3544E-19	0.222665	hyper	sig	chr12_114409753

chr11	14974008	14974008	+	2.267E-20	5.3555E-19	0.23549	hyper	sig	chr11_14974008
chr10	1.33E+08	132933459	+	2.271E-20	5.364E-19	-0.2128	hypo	sig	chr10_132933459
chr9	93346202	93346202	+	2.273E-20	5.3702E-19	0.361711	hyper	sig	chr9_93346202
chr8	1.44E+08	144412073	+	2.274E-20	5.3725E-19	0.291667	hyper	sig	chr8_144412073
chr20	62708527	62708527	+	2.276E-20	5.3765E-19	0.341185	hyper	sig	chr20_62708527
chr17	13602310	13602310	+	2.277E-20	5.3778E-19	0.346925	hyper	sig	chr17_13602310
chr20	46179084	46179084	+	2.28E-20	5.3845E-19	-0.3753	hypo	sig	chr20_46179084
chr3	51955763	51955763	+	2.281E-20	5.3872E-19	0.280575	hyper	sig	chr3_51955763
chr11	20159908	20159908	+	2.282E-20	5.3902E-19	0.297357	hyper	sig	chr11_20159908
chr5	77851214	77851214	+	2.282E-20	5.3903E-19	0.346507	hyper	sig	chr5_77851214
chr2	2.42E+08	241945690	+	2.283E-20	5.3908E-19	-0.29114	hypo	sig	chr2_241945690
chr11	31796920	31796920	+	2.285E-20	5.3958E-19	0.3609	hyper	sig	chr11_31796920
chr14	1.04E+08	103696647	+	2.291E-20	5.4095E-19	0.378112	hyper	sig	chr14_103696647
chr19	16283561	16283561	+	2.291E-20	5.41E-19	0.298187	hyper	sig	chr19_16283561
chr3	1.33E+08	133038979	+	2.292E-20	5.4119E-19	0.282494	hyper	sig	chr3_133038979
chr21	33025970	33025970	+	2.292E-20	5.4124E-19	0.296429	hyper	sig	chr21_33025970
chr10	1.01E+08	101226163	+	2.292E-20	5.4129E-19	0.287679	hyper	sig	chr10_101226163
chr16	70451088	70451088	+	2.294E-20	5.4175E-19	0.285096	hyper	sig	chr16_70451088
chr11	40293807	40293807	+	2.295E-20	5.4194E-19	0.265679	hyper	sig	chr11_40293807
chr8	48923539	48923539	+	2.297E-20	5.4229E-19	-0.37363	hypo	sig	chr8_48923539
chr10	1.08E+08	107914537	+	2.302E-20	5.4348E-19	0.279113	hyper	sig	chr10_107914537
chr3	33218397	33218397	+	2.302E-20	5.4348E-19	0.275755	hyper	sig	chr3_33218397
chr5	1.8E+08	179801859	+	2.303E-20	5.4361E-19	0.287858	hyper	sig	chr5_179801859
chr19	1876661	1876661	+	2.307E-20	5.4471E-19	0.306622	hyper	sig	chr19_1876661
chr2	73175339	73175339	+	2.308E-20	5.4474E-19	0.350279	hyper	sig	chr2_73175339
chr5	1316001	1316001	+	2.308E-20	5.4474E-19	-0.238	hypo	sig	chr5_1316001
chr4	61201627	61201627	+	2.308E-20	5.4487E-19	0.324077	hyper	sig	chr4_61201627
chr1	1.21E+08	121007080	+	2.309E-20	5.4503E-19	0.293071	hyper	sig	chr1_121007080
chr8	1.17E+08	116938252	+	2.31E-20	5.4522E-19	0.263469	hyper	sig	chr8_116938252
chr11	1.11E+08	111284029	+	2.31E-20	5.4529E-19	-0.24016	hypo	sig	chr11_111284029
chr7	1.55E+08	155071057	+	2.311E-20	5.4543E-19	0.332661	hyper	sig	chr7_155071057
chr3	27729606	27729606	+	2.312E-20	5.4571E-19	0.255431	hyper	sig	chr3_27729606
chr19	840677	840677	+	2.312E-20	5.4572E-19	-0.33688	hypo	sig	chr19_840677
chr16	1961214	1961214	+	2.314E-20	5.4603E-19	-0.30534	hypo	sig	chr16_1961214
chr6	1.68E+08	167815892	+	2.318E-20	5.4696E-19	-0.30574	hypo	sig	chr6_167815892
chr11	6252307	6252307	+	2.319E-20	5.472E-19	0.266451	hyper	sig	chr11_6252307
chr10	1.33E+08	133207387	+	2.319E-20	5.4731E-19	-0.29916	hypo	sig	chr10_133207387
chr18	79576161	79576161	+	2.324E-20	5.4841E-19	0.268341	hyper	sig	chr18_79576161
chr11	65557648	65557648	+	2.325E-20	5.4852E-19	0.242306	hyper	sig	chr11_65557648
chr2	1.6E+08	160271701	+	2.325E-20	5.4862E-19	-0.25289	hypo	sig	chr2_160271701
chr7	1.54E+08	153748141	+	2.326E-20	5.4872E-19	0.306935	hyper	sig	chr7_153748141
chr19	53159246	53159246	+	2.328E-20	5.4926E-19	0.207298	hyper	sig	chr19_53159246
chr6	26743134	26743134	+	2.329E-20	5.4957E-19	0.368483	hyper	sig	chr6_26743134
chr6	1.06E+08	105981607	+	2.33E-20	5.4968E-19	0.279527	hyper	sig	chr6_105981607
chr12	1.17E+08	116970074	+	2.331E-20	5.4984E-19	0.244906	hyper	sig	chr12_116970074
chr12	1.25E+08	124520375	+	2.332E-20	5.501E-19	0.266137	hyper	sig	chr12_124520375
chr11	1351482	1351482	+	2.332E-20	5.5017E-19	-0.3478	hypo	sig	chr11_1351482
chr8	64374448	64374448	+	2.332E-20	5.5017E-19	0.248141	hyper	sig	chr8_64374448
chr11	65557718	65557718	+	2.333E-20	5.5025E-19	0.215341	hyper	sig	chr11_65557718
chr19	5208432	5208432	+	2.333E-20	5.5043E-19	-0.30595	hypo	sig	chr19_5208432
chr19	49196635	49196635	+	2.336E-20	5.5112E-19	0.366445	hyper	sig	chr19_49196635
chr15	40893704	40893704	+	2.337E-20	5.5125E-19	0.25556	hyper	sig	chr15_40893704
chr2	1.3E+08	129979716	+	2.338E-20	5.5152E-19	0.208135	hyper	sig	chr2_129979716
chr1	1.47E+08	147077597	+	2.339E-20	5.5161E-19	0.38187	hyper	sig	chr1_147077597
chr18	12254432	12254432	+	2.341E-20	5.5215E-19	0.316176	hyper	sig	chr18_12254432
chr2	2.28E+08	228182088	+	2.343E-20	5.5247E-19	0.327411	hyper	sig	chr2_228182088

chr1	38045771	38045771	+	2.343E-20	5.5248E-19	0.243465	hyper	sig	chr1_38045771
chr11	1.29E+08	128549413	+	2.343E-20	5.526E-19	0.3369	hyper	sig	chr11_128549413
chr5	1.41E+08	141427923	+	2.346E-20	5.5313E-19	0.244267	hyper	sig	chr5_141427923
chr1	16067296	16067296	+	2.346E-20	5.5315E-19	-0.24762	hypo	sig	chr1_16067296
chr19	9966602	9966602	+	2.346E-20	5.5321E-19	0.257282	hyper	sig	chr19_9966602
chr17	6714219	6714219	+	2.346E-20	5.533E-19	0.298336	hyper	sig	chr17_6714219
chr4	55794223	55794223	+	2.359E-20	5.5623E-19	0.255936	hyper	sig	chr4_55794223
chr1	32765752	32765752	+	2.362E-20	5.568E-19	0.341583	hyper	sig	chr1_32765752
chr21	42362407	42362407	+	2.365E-20	5.5753E-19	0.276073	hyper	sig	chr21_42362407
chr11	45355323	45355323	+	2.367E-20	5.5794E-19	0.342208	hyper	sig	chr11_45355323
chr1	1.19E+08	118983632	+	2.367E-20	5.5808E-19	0.288125	hyper	sig	chr1_118983632
chr2	44930176	44930176	+	2.369E-20	5.5843E-19	0.297429	hyper	sig	chr2_44930176
chr5	1.41E+08	141150895	+	2.369E-20	5.5846E-19	0.303414	hyper	sig	chr5_141150895
chr10	51075169	51075169	+	2.369E-20	5.5854E-19	0.223717	hyper	sig	chr10_51075169
chr22	49671335	49671335	+	2.371E-20	5.5882E-19	0.253619	hyper	sig	chr22_49671335
chr12	1.08E+08	108131459	+	2.371E-20	5.59E-19	-0.29133	hypo	sig	chr12_108131459
chr1	2.01E+08	200892126	+	2.373E-20	5.5931E-19	-0.33453	hypo	sig	chr1_200892126
chr7	97018128	97018128	+	2.373E-20	5.5931E-19	0.239238	hyper	sig	chr7_97018128
chr16	49275291	49275291	+	2.374E-20	5.5952E-19	0.314255	hyper	sig	chr16_49275291
chr17	81044863	81044863	+	2.374E-20	5.5956E-19	0.288001	hyper	sig	chr17_81044863
chr1	2.31E+08	231163602	+	2.375E-20	5.5963E-19	0.28835	hyper	sig	chr1_231163602
chr2	468258	468258	+	2.375E-20	5.5963E-19	0.274392	hyper	sig	chr2_468258
chr19	5838768	5838768	+	2.377E-20	5.6009E-19	-0.21785	hypo	sig	chr19_5838768
chr7	2149779	2149779	+	2.377E-20	5.6013E-19	-0.20418	hypo	sig	chr7_2149779
chr2	2.39E+08	238847487	+	2.379E-20	5.607E-19	0.239656	hyper	sig	chr2_238847487
chr10	3288354	3288354	+	2.38E-20	5.6076E-19	-0.31493	hypo	sig	chr10_3288354
chr2	89611971	89611971	+	2.38E-20	5.6086E-19	0.328076	hyper	sig	chr2_89611971
chr18	37567236	37567236	+	2.381E-20	5.6094E-19	0.234409	hyper	sig	chr18_37567236
chr3	1.93E+08	192727149	+	2.381E-20	5.6096E-19	0.3011	hyper	sig	chr3_192727149
chr16	86575319	86575319	+	2.384E-20	5.6177E-19	0.274697	hyper	sig	chr16_86575319
chr17	81031147	81031147	+	2.384E-20	5.6177E-19	-0.28857	hypo	sig	chr17_81031147
chr19	55362934	55362934	+	2.384E-20	5.6177E-19	-0.31311	hypo	sig	chr19_55362934
chr5	1.41E+08	141430945	+	2.385E-20	5.6187E-19	0.269915	hyper	sig	chr5_141430945
chr21	36710814	36710814	+	2.391E-20	5.6326E-19	0.286458	hyper	sig	chr21_36710814
chr6	1.55E+08	155248144	+	2.394E-20	5.64E-19	0.260639	hyper	sig	chr6_155248144
chr19	23002768	23002768	+	2.396E-20	5.6436E-19	0.290366	hyper	sig	chr19_23002768
chr5	1.41E+08	141421787	+	2.397E-20	5.6453E-19	0.27933	hyper	sig	chr5_141421787
chr4	1154661	1154661	+	2.397E-20	5.6467E-19	-0.2454	hypo	sig	chr4_1154661
chr16	48243708	48243708	+	2.398E-20	5.6483E-19	-0.40873	hypo	sig	chr16_48243708
chr11	1.29E+08	128725818	+	2.398E-20	5.6494E-19	-0.29162	hypo	sig	chr11_128725818
chr4	3766881	3766881	+	2.399E-20	5.6497E-19	0.275712	hyper	sig	chr4_3766881
chr14	24311428	24311428	+	2.4E-20	5.6525E-19	0.256082	hyper	sig	chr14_24311428
chr6	1.06E+08	105981847	+	2.4E-20	5.6525E-19	0.285484	hyper	sig	chr6_105981847
chr5	1.41E+08	141374003	+	2.401E-20	5.654E-19	0.303142	hyper	sig	chr5_141374003
chr7	37448699	37448699	+	2.402E-20	5.6561E-19	0.308677	hyper	sig	chr7_37448699
chr19	15457763	15457763	+	2.403E-20	5.6599E-19	0.258838	hyper	sig	chr19_15457763
chr7	4725681	4725681	+	2.404E-20	5.6617E-19	0.216957	hyper	sig	chr7_4725681
chr12	1.25E+08	124549357	+	2.406E-20	5.6667E-19	0.296548	hyper	sig	chr12_124549357
chr14	52069722	52069722	+	2.408E-20	5.6692E-19	0.411704	hyper	sig	chr14_52069722
chr16	86513663	86513663	+	2.408E-20	5.6711E-19	0.318182	hyper	sig	chr16_86513663
chr17	48722383	48722383	+	2.409E-20	5.6731E-19	0.221847	hyper	sig	chr17_48722383
chr10	27744938	27744938	+	2.41E-20	5.6736E-19	0.257983	hyper	sig	chr10_27744938
chr1	33307135	33307135	+	2.411E-20	5.6767E-19	0.322055	hyper	sig	chr1_33307135
chr1	2.28E+08	227944276	+	2.412E-20	5.6786E-19	0.29191	hyper	sig	chr1_227944276
chr7	44309700	44309700	+	2.412E-20	5.6787E-19	0.223133	hyper	sig	chr7_44309700
chr12	44876591	44876591	+	2.416E-20	5.6886E-19	0.210816	hyper	sig	chr12_44876591

chr19	941919	941919	+	2.416E-20	5.6888E-19	0.308861	hyper	sig	chr19_941919
chr12	78865033	78865033	+	2.417E-20	5.6897E-19	0.257136	hyper	sig	chr12_78865033
chr13	1.08E+08	107867962	+	2.418E-20	5.6912E-19	0.240197	hyper	sig	chr13_107867962
chr9	1.36E+08	136356291	+	2.418E-20	5.6923E-19	-0.26688	hypo	sig	chr9_136356291
chr5	1.41E+08	140882112	+	2.422E-20	5.701E-19	0.27059	hyper	sig	chr5_140882112
chr7	1263666	1263666	+	2.423E-20	5.7024E-19	-0.32082	hypo	sig	chr7_1263666
chr7	51046026	51046026	+	2.423E-20	5.7026E-19	-0.43061	hypo	sig	chr7_51046026
chr20	30812914	30812914	+	2.423E-20	5.7032E-19	-0.2782	hypo	sig	chr20_30812914
chr19	58440857	58440857	+	2.423E-20	5.7035E-19	0.280266	hyper	sig	chr19_58440857
chr19	49061631	49061631	+	2.425E-20	5.7067E-19	-0.31756	hypo	sig	chr19_49061631
chr16	51113740	51113740	+	2.427E-20	5.7108E-19	0.231837	hyper	sig	chr16_51113740
chr10	7409827	7409827	+	2.43E-20	5.7179E-19	0.244547	hyper	sig	chr10_7409827
chr22	29167786	29167786	+	2.43E-20	5.7182E-19	-0.30104	hypo	sig	chr22_29167786
chr7	97002428	97002428	+	2.433E-20	5.7246E-19	0.28969	hyper	sig	chr7_97002428
chr8	1.04E+08	104466465	+	2.434E-20	5.7287E-19	0.364509	hyper	sig	chr8_104466465
chr17	17810549	17810549	+	2.439E-20	5.7386E-19	0.337385	hyper	sig	chr17_17810549
chr2	1.27E+08	126889016	+	2.439E-20	5.7386E-19	-0.24488	hypo	sig	chr2_126889016
chr14	1E+08	100328909	+	2.44E-20	5.7409E-19	-0.31485	hypo	sig	chr14_100328909
chr7	1082029	1082029	+	2.441E-20	5.7438E-19	0.256281	hyper	sig	chr7_1082029
chr20	48827311	48827311	+	2.442E-20	5.7451E-19	0.207391	hyper	sig	chr20_48827311
chr7	54542226	54542226	+	2.442E-20	5.7463E-19	0.274439	hyper	sig	chr7_54542226
chr4	1223541	1223541	+	2.444E-20	5.751E-19	0.262009	hyper	sig	chr4_1223541
chr14	24334517	24334517	+	2.445E-20	5.7515E-19	0.204892	hyper	sig	chr14_24334517
chr6	1.68E+08	167797336	+	2.446E-20	5.7548E-19	-0.25621	hypo	sig	chr6_167797336
chr6	41638646	41638646	+	2.449E-20	5.7605E-19	0.215349	hyper	sig	chr6_41638646
chr7	44305774	44305774	+	2.449E-20	5.7617E-19	-0.26621	hypo	sig	chr7_44305774
chr16	4680431	4680431	+	2.45E-20	5.7622E-19	-0.2711	hypo	sig	chr16_4680431
chr17	76698081	76698081	+	2.451E-20	5.7642E-19	0.243559	hyper	sig	chr17_76698081
chr1	57424853	57424853	+	2.453E-20	5.7689E-19	0.327966	hyper	sig	chr1_57424853
chr8	1.43E+08	142785819	+	2.456E-20	5.7759E-19	-0.29672	hypo	sig	chr8_142785819
chr9	85743826	85743826	+	2.457E-20	5.7794E-19	-0.35071	hypo	sig	chr9_85743826
chr1	2.08E+08	207645076	+	2.458E-20	5.781E-19	0.221885	hyper	sig	chr1_207645076
chr13	94712315	94712315	+	2.458E-20	5.7814E-19	0.266261	hyper	sig	chr13_94712315
chr8	56446177	56446177	+	2.463E-20	5.7918E-19	0.334369	hyper	sig	chr8_56446177
chr15	82648558	82648558	+	2.464E-20	5.7951E-19	0.332734	hyper	sig	chr15_82648558
chr13	27929385	27929385	+	2.471E-20	5.8105E-19	0.33922	hyper	sig	chr13_27929385
chr11	31797614	31797614	+	2.472E-20	5.8136E-19	0.289083	hyper	sig	chr11_31797614
chr9	62800221	62800221	+	2.473E-20	5.8151E-19	0.315211	hyper	sig	chr9_62800221
chr14	91413741	91413741	+	2.473E-20	5.8155E-19	-0.2678	hypo	sig	chr14_91413741
chr11	1.14E+08	114201509	+	2.475E-20	5.8195E-19	-0.23811	hypo	sig	chr11_114201509
chr3	42936404	42936404	+	2.475E-20	5.8198E-19	0.240783	hyper	sig	chr3_42936404
chr10	1.05E+08	104641561	+	2.477E-20	5.8232E-19	0.289556	hyper	sig	chr10_104641561
chr12	1.14E+08	114400548	+	2.48E-20	5.8299E-19	0.301157	hyper	sig	chr12_114400548
chr13	36130622	36130622	+	2.482E-20	5.8341E-19	0.249037	hyper	sig	chr13_36130622
chr14	94774218	94774218	+	2.482E-20	5.8358E-19	0.312453	hyper	sig	chr14_94774218
chr4	1.64E+08	164187580	+	2.483E-20	5.8374E-19	-0.28796	hypo	sig	chr4_164187580
chr3	1.58E+08	158095538	+	2.489E-20	5.8507E-19	0.330543	hyper	sig	chr3_158095538
chr19	19529133	19529133	+	2.495E-20	5.8656E-19	0.355828	hyper	sig	chr19_19529133
chr10	1.33E+08	132892351	+	2.496E-20	5.8659E-19	0.284487	hyper	sig	chr10_132892351
chr6	1.27E+08	127119567	+	2.499E-20	5.8733E-19	0.220425	hyper	sig	chr6_127119567
chr20	43188460	43188460	+	2.5E-20	5.8749E-19	0.314587	hyper	sig	chr20_43188460
chr2	68319958	68319958	+	2.501E-20	5.8771E-19	0.32621	hyper	sig	chr2_68319958
chr5	44388887	44388887	+	2.51E-20	5.8999E-19	0.296124	hyper	sig	chr5_44388887
chr7	1.22E+08	122306919	+	2.511E-20	5.9014E-19	0.2503	hyper	sig	chr7_122306919
chr10	1.23E+08	123150701	+	2.513E-20	5.9063E-19	0.28303	hyper	sig	chr10_123150701
chr5	32709290	32709290	+	2.514E-20	5.9075E-19	-0.25194	hypo	sig	chr5_32709290

chr11	505004	505004	+	2.515E-20	5.9111E-19	0.281075	hyper	sig	chr11_505004
chr3	68007937	68007937	+	2.516E-20	5.9127E-19	0.282661	hyper	sig	chr3_68007937
chr19	56476956	56476956	+	2.517E-20	5.9139E-19	0.328296	hyper	sig	chr19_56476956
chr6	1.68E+08	168117067	+	2.518E-20	5.9158E-19	-0.20151	hypo	sig	chr6_168117067
chr7	561817	561817	+	2.519E-20	5.9176E-19	0.308414	hyper	sig	chr7_561817
chr3	1.28E+08	127632695	+	2.52E-20	5.9205E-19	0.262008	hyper	sig	chr3_127632695
chr1	44638189	44638189	+	2.522E-20	5.9249E-19	0.302248	hyper	sig	chr1_44638189
chr14	1.01E+08	101364955	+	2.522E-20	5.9249E-19	0.357858	hyper	sig	chr14_101364955
chr7	1.58E+08	157812899	+	2.523E-20	5.9272E-19	-0.28071	hypo	sig	chr7_157812899
chr8	23573298	23573298	+	2.524E-20	5.9284E-19	0.269552	hyper	sig	chr8_23573298
chr2	2.42E+08	241985746	+	2.527E-20	5.9367E-19	-0.39313	hypo	sig	chr2_241985746
chr4	1.09E+08	109302676	+	2.535E-20	5.9538E-19	0.299735	hyper	sig	chr4_109302676
chr8	37962790	37962790	+	2.537E-20	5.9591E-19	0.27819	hyper	sig	chr8_37962790
chr15	82648540	82648540	+	2.54E-20	5.9662E-19	0.334322	hyper	sig	chr15_82648540
chr7	4178579	4178579	+	2.542E-20	5.972E-19	-0.32817	hypo	sig	chr7_4178579
chr7	1.2E+08	120272630	+	2.547E-20	5.9819E-19	0.234494	hyper	sig	chr7_120272630
chr13	52848196	52848196	+	2.548E-20	5.9854E-19	0.275067	hyper	sig	chr13_52848196
chr6	6004733	6004733	+	2.549E-20	5.9877E-19	0.295336	hyper	sig	chr6_6004733
chr2	95026235	95026235	+	2.55E-20	5.9881E-19	0.292752	hyper	sig	chr2_95026235
chr12	64825565	64825565	+	2.55E-20	5.9884E-19	0.329199	hyper	sig	chr12_64825565
chr1	1.11E+08	110606250	+	2.552E-20	5.9923E-19	0.203655	hyper	sig	chr1_110606250
chr12	6142273	6142273	+	2.557E-20	6.0041E-19	-0.2908	hypo	sig	chr12_6142273
chr8	1.44E+08	143899508	+	2.561E-20	6.015E-19	-0.36075	hypo	sig	chr8_143899508
chr8	1.31E+08	131041577	+	2.563E-20	6.0177E-19	0.301795	hyper	sig	chr8_131041577
chr11	1461859	1461859	+	2.563E-20	6.0179E-19	0.3418	hyper	sig	chr11_1461859
chr6	50715969	50715969	+	2.566E-20	6.0248E-19	0.209812	hyper	sig	chr6_50715969
chr5	88673018	88673018	+	2.573E-20	6.0425E-19	0.243354	hyper	sig	chr5_88673018
chr16	1104941	1104941	+	2.578E-20	6.0523E-19	-0.35907	hypo	sig	chr16_1104941
chr18	79436250	79436250	+	2.586E-20	6.0704E-19	-0.33831	hypo	sig	chr18_79436250
chr2	1.44E+08	143937549	+	2.587E-20	6.0745E-19	0.252289	hyper	sig	chr2_143937549
chr7	1.56E+08	155576562	+	2.588E-20	6.0757E-19	-0.2859	hypo	sig	chr7_155576562
chr9	1.22E+08	122219727	+	2.589E-20	6.0768E-19	0.262246	hyper	sig	chr9_122219727
chr2	1.61E+08	161427327	+	2.589E-20	6.0775E-19	0.280252	hyper	sig	chr2_161427327
chr7	1.3E+08	130366013	+	2.595E-20	6.0916E-19	-0.29279	hypo	sig	chr7_130366013
chr3	1.47E+08	147410942	+	2.596E-20	6.0933E-19	0.233343	hyper	sig	chr3_147410942
chr4	2812277	2812277	+	2.598E-20	6.0989E-19	-0.36439	hypo	sig	chr4_2812277
chr15	40770075	40770075	+	2.599E-20	6.1003E-19	-0.26416	hypo	sig	chr15_40770075
chr11	61334602	61334602	+	2.6E-20	6.102E-19	-0.23279	hypo	sig	chr11_61334602
chr5	1.76E+08	175660722	+	2.601E-20	6.1053E-19	-0.26277	hypo	sig	chr5_175660722
chr17	76948886	76948886	+	2.603E-20	6.1087E-19	-0.33256	hypo	sig	chr17_76948886
chr17	1763320	1763320	+	2.607E-20	6.1179E-19	-0.25391	hypo	sig	chr17_1763320
chr10	70283761	70283761	+	2.607E-20	6.1187E-19	0.32187	hyper	sig	chr10_70283761
chr5	64506704	64506704	+	2.608E-20	6.1194E-19	0.200967	hyper	sig	chr5_64506704
chr1	46467114	46467114	+	2.611E-20	6.1267E-19	0.27204	hyper	sig	chr1_46467114
chr19	4531771	4531771	+	2.611E-20	6.1283E-19	-0.25823	hypo	sig	chr19_4531771
chr2	44955006	44955006	+	2.612E-20	6.1304E-19	0.224672	hyper	sig	chr2_44955006
chr15	99020850	99020850	+	2.613E-20	6.1316E-19	-0.32428	hypo	sig	chr15_99020850
chr11	66676968	66676968	+	2.619E-20	6.1446E-19	0.299857	hyper	sig	chr11_66676968
chr10	1.33E+08	132989778	+	2.619E-20	6.1459E-19	-0.2877	hypo	sig	chr10_132989778
chr7	1.58E+08	157917908	+	2.62E-20	6.1473E-19	-0.3184	hypo	sig	chr7_157917908
chr7	1.06E+08	106114995	+	2.624E-20	6.1564E-19	-0.30336	hypo	sig	chr7_106114995
chr11	624674	624674	+	2.626E-20	6.1601E-19	-0.28766	hypo	sig	chr11_624674
chr3	75671040	75671040	+	2.626E-20	6.1605E-19	0.288925	hyper	sig	chr3_75671040
chr7	1.17E+08	117322462	+	2.628E-20	6.1658E-19	0.247847	hyper	sig	chr7_117322462
chr6	1.7E+08	170050096	+	2.629E-20	6.1673E-19	0.332677	hyper	sig	chr6_170050096
chr12	49636835	49636835	+	2.63E-20	6.1695E-19	0.332876	hyper	sig	chr12_49636835

chr10	1.33E+08	132921045	+	2.631E-20	6.1712E-19	-0.29143	hypo	sig	chr10_132921045
chr4	1509841	1509841	+	2.632E-20	6.1743E-19	-0.27194	hypo	sig	chr4_1509841
chr2	10301816	10301816	+	2.633E-20	6.1761E-19	-0.28373	hypo	sig	chr2_10301816
chr19	21475232	21475232	+	2.633E-20	6.1769E-19	0.285717	hyper	sig	chr19_21475232
chr4	10461726	10461726	+	2.635E-20	6.1807E-19	0.296446	hyper	sig	chr4_10461726
chr2	1.19E+08	119157026	+	2.637E-20	6.1837E-19	0.272623	hyper	sig	chr2_119157026
chr7	90155394	90155394	+	2.641E-20	6.1947E-19	-0.2781	hypo	sig	chr7_90155394
chr20	63006184	63006184	+	2.642E-20	6.1971E-19	0.227091	hyper	sig	chr20_63006184
chr3	11568672	11568672	+	2.644E-20	6.2011E-19	0.27807	hyper	sig	chr3_11568672
chr12	1.28E+08	128365873	+	2.65E-20	6.2138E-19	0.235945	hyper	sig	chr12_128365873
chr3	1.31E+08	131361606	+	2.65E-20	6.2138E-19	-0.25531	hypo	sig	chr3_131361606
chr10	1.01E+08	101228255	+	2.651E-20	6.2155E-19	0.263809	hyper	sig	chr10_101228255
chr10	1.02E+08	101774741	+	2.653E-20	6.2208E-19	0.222462	hyper	sig	chr10_101774741
chr21	45286817	45286817	+	2.654E-20	6.223E-19	0.294783	hyper	sig	chr21_45286817
chr19	19860956	19860956	+	2.659E-20	6.2346E-19	0.283404	hyper	sig	chr19_19860956
chr19	56541511	56541511	+	2.659E-20	6.2349E-19	-0.25749	hypo	sig	chr19_56541511
chr11	49048424	49048424	+	2.66E-20	6.2359E-19	0.330297	hyper	sig	chr11_49048424
chr13	29488724	29488724	+	2.668E-20	6.256E-19	-0.26865	hypo	sig	chr13_29488724
chr17	7478291	7478291	+	2.669E-20	6.2563E-19	0.307517	hyper	sig	chr17_7478291
chr15	59994940	59994940	+	2.67E-20	6.2602E-19	0.262718	hyper	sig	chr15_59994940
chr1	1.11E+08	111271123	+	2.671E-20	6.2609E-19	0.288079	hyper	sig	chr1_111271123
chr1	8875178	8875178	+	2.672E-20	6.2636E-19	-0.22988	hypo	sig	chr1_8875178
chr6	41638742	41638742	+	2.679E-20	6.2805E-19	0.284956	hyper	sig	chr6_41638742
chr10	8037434	8037434	+	2.684E-20	6.2907E-19	0.222951	hyper	sig	chr10_8037434
chr2	31581206	31581206	+	2.685E-20	6.2932E-19	0.360259	hyper	sig	chr2_31581206
chr10	99531253	99531253	+	2.686E-20	6.2951E-19	0.287704	hyper	sig	chr10_99531253
chr11	1.09E+08	109422417	+	2.692E-20	6.3096E-19	0.361444	hyper	sig	chr11_109422417
chr1	2.14E+08	213980122	+	2.693E-20	6.3116E-19	0.33095	hyper	sig	chr1_213980122
chr20	63453209	63453209	+	2.696E-20	6.3183E-19	-0.34728	hypo	sig	chr20_63453209
chr5	88603140	88603140	+	2.697E-20	6.3195E-19	-0.31491	hypo	sig	chr5_88603140
chr5	1.79E+08	178502875	+	2.697E-20	6.3207E-19	-0.26024	hypo	sig	chr5_178502875
chr16	8569948	8569948	+	2.7E-20	6.3261E-19	0.279697	hyper	sig	chr16_8569948
chr5	41509832	41509832	+	2.7E-20	6.328E-19	0.28068	hyper	sig	chr5_41509832
chr13	36155040	36155040	+	2.701E-20	6.3298E-19	0.312875	hyper	sig	chr13_36155040
chr4	1.07E+08	107035952	+	2.704E-20	6.3367E-19	0.3435	hyper	sig	chr4_107035952
chr20	24469237	24469237	+	2.706E-20	6.3415E-19	0.367499	hyper	sig	chr20_24469237
chr1	11648235	11648235	+	2.707E-20	6.3424E-19	0.326143	hyper	sig	chr1_11648235
chr4	785385	785385	+	2.711E-20	6.3519E-19	0.316918	hyper	sig	chr4_785385
chr9	1.36E+08	135779804	+	2.713E-20	6.3551E-19	-0.3179	hypo	sig	chr9_135779804
chr5	1291749	1291749	+	2.714E-20	6.3585E-19	-0.33722	hypo	sig	chr5_1291749
chr8	1.43E+08	143265044	+	2.715E-20	6.3607E-19	-0.29003	hypo	sig	chr8_143265044
chr20	382514	382514	+	2.716E-20	6.3621E-19	-0.27328	hypo	sig	chr20_382514
chr5	1552950	1552950	+	2.718E-20	6.3663E-19	0.233909	hyper	sig	chr5_1552950
chr2	1.71E+08	170815123	+	2.719E-20	6.3685E-19	0.258904	hyper	sig	chr2_170815123
chr19	39507639	39507639	+	2.72E-20	6.3716E-19	0.218493	hyper	sig	chr19_39507639
chr7	1.55E+08	155465674	+	2.722E-20	6.3746E-19	0.276761	hyper	sig	chr7_155465674
chr12	1.24E+08	124480654	+	2.725E-20	6.3829E-19	0.268852	hyper	sig	chr12_124480654
chr7	27102901	27102901	+	2.727E-20	6.387E-19	0.386012	hyper	sig	chr7_27102901
chr11	72639509	72639509	+	2.727E-20	6.3877E-19	-0.25206	hypo	sig	chr11_72639509
chr3	27728887	27728887	+	2.73E-20	6.3947E-19	0.295968	hyper	sig	chr3_27728887
chr1	1.11E+08	111271118	+	2.731E-20	6.3954E-19	0.275117	hyper	sig	chr1_111271118
chr12	64826544	64826544	+	2.732E-20	6.399E-19	0.221778	hyper	sig	chr12_64826544
chr4	6379051	6379051	+	2.733E-20	6.4007E-19	-0.29525	hypo	sig	chr4_6379051
chr1	1.1E+08	109668303	+	2.734E-20	6.402E-19	0.368056	hyper	sig	chr1_109668303
chr9	1.22E+08	122219825	+	2.734E-20	6.4029E-19	0.218443	hyper	sig	chr9_122219825
chr7	12685784	12685784	+	2.739E-20	6.4131E-19	-0.28516	hypo	sig	chr7_12685784

chr10	1.32E+08	132241338	+	2.739E-20	6.4145E-19	-0.291	hypo	sig	chr10_132241338
chr8	52939649	52939649	+	2.74E-20	6.4151E-19	0.442928	hyper	sig	chr8_52939649
chr4	95549803	95549803	+	2.741E-20	6.4167E-19	0.24364	hyper	sig	chr4_95549803
chr1	2029610	2029610	+	2.742E-20	6.42E-19	-0.26044	hypo	sig	chr1_2029610
chr4	52862774	52862774	+	2.743E-20	6.4225E-19	0.301652	hyper	sig	chr4_52862774
chr5	2757930	2757930	+	2.744E-20	6.4247E-19	0.279012	hyper	sig	chr5_2757930
chr2	1.42E+08	142130243	+	2.749E-20	6.4359E-19	0.244362	hyper	sig	chr2_142130243
chr7	20776566	20776566	+	2.753E-20	6.4439E-19	0.283795	hyper	sig	chr7_20776566
chr1	1.1E+08	109739819	+	2.754E-20	6.4459E-19	0.237914	hyper	sig	chr1_109739819
chr2	2.27E+08	226798285	+	2.754E-20	6.4459E-19	0.376119	hyper	sig	chr2_226798285
chr17	80086306	80086306	+	2.754E-20	6.4468E-19	-0.33015	hypo	sig	chr17_80086306
chr14	1.01E+08	101365357	+	2.754E-20	6.4475E-19	0.387631	hyper	sig	chr14_101365357
chr2	74436571	74436571	+	2.756E-20	6.45E-19	0.321959	hyper	sig	chr2_74436571
chr5	71695187	71695187	+	2.756E-20	6.4507E-19	-0.23484	hypo	sig	chr5_71695187
chr3	75670968	75670968	+	2.757E-20	6.4531E-19	0.294817	hyper	sig	chr3_75670968
chr2	2.41E+08	240519820	+	2.761E-20	6.462E-19	0.353774	hyper	sig	chr2_240519820
chr8	56446145	56446145	+	2.761E-20	6.462E-19	0.345354	hyper	sig	chr8_56446145
chr12	1.23E+08	122716796	+	2.768E-20	6.4785E-19	-0.31322	hypo	sig	chr12_122716796
chr8	1.42E+08	141903288	+	2.769E-20	6.4799E-19	-0.31374	hypo	sig	chr8_141903288
chr14	36514268	36514268	+	2.77E-20	6.4815E-19	0.278262	hyper	sig	chr14_36514268
chr10	1.01E+08	101140384	+	2.776E-20	6.4957E-19	0.248154	hyper	sig	chr10_101140384
chr16	30115271	30115271	+	2.777E-20	6.4975E-19	-0.30046	hypo	sig	chr16_30115271
chr4	95549825	95549825	+	2.781E-20	6.5065E-19	0.247109	hyper	sig	chr4_95549825
chr3	58440086	58440086	+	2.782E-20	6.5082E-19	-0.27876	hypo	sig	chr3_58440086
chr10	71075802	71075802	+	2.782E-20	6.5092E-19	-0.3463	hypo	sig	chr10_71075802
chr19	48480395	48480395	+	2.791E-20	6.5306E-19	0.270869	hyper	sig	chr19_48480395
chr13	19346936	19346936	+	2.792E-20	6.5326E-19	-0.29731	hypo	sig	chr13_19346936
chr4	4858054	4858054	+	2.797E-20	6.5424E-19	0.30079	hyper	sig	chr4_4858054
chr11	20671301	20671301	+	2.8E-20	6.5503E-19	0.253409	hyper	sig	chr11_20671301
chr16	84819289	84819289	+	2.802E-20	6.5549E-19	-0.25196	hypo	sig	chr16_84819289
chr3	49191266	49191266	+	2.803E-20	6.5571E-19	-0.28923	hypo	sig	chr3_49191266
chr8	54469942	54469942	+	2.804E-20	6.5597E-19	0.309177	hyper	sig	chr8_54469942
chr20	38806545	38806545	+	2.806E-20	6.5622E-19	0.209322	hyper	sig	chr20_38806545
chr2	2.36E+08	236324424	+	2.807E-20	6.5654E-19	-0.26368	hypo	sig	chr2_236324424
chr10	1507878	1507878	+	2.809E-20	6.5703E-19	-0.2182	hypo	sig	chr10_1507878
chr5	1.41E+08	141394321	+	2.811E-20	6.5753E-19	0.367874	hyper	sig	chr5_141394321
chr7	1.4E+08	140435770	+	2.812E-20	6.5753E-19	0.276439	hyper	sig	chr7_140435770
chr8	1.42E+08	141903284	+	2.813E-20	6.5784E-19	-0.31494	hypo	sig	chr8_141903284
chr12	53975543	53975543	+	2.816E-20	6.5854E-19	0.256265	hyper	sig	chr12_53975543
chr1	77282509	77282509	+	2.817E-20	6.5872E-19	0.239977	hyper	sig	chr1_77282509
chr3	1.25E+08	125381791	+	2.82E-20	6.5939E-19	-0.32689	hypo	sig	chr3_125381791
chr7	73704196	73704196	+	2.822E-20	6.5992E-19	0.262194	hyper	sig	chr7_73704196
chr19	55432827	55432827	+	2.824E-20	6.6024E-19	-0.2923	hypo	sig	chr19_55432827
chr10	80356752	80356752	+	2.825E-20	6.6046E-19	0.227915	hyper	sig	chr10_80356752
chr3	61250195	61250195	+	2.826E-20	6.6076E-19	-0.20308	hypo	sig	chr3_61250195
chr15	74133211	74133211	+	2.827E-20	6.6105E-19	0.358241	hyper	sig	chr15_74133211
chr1	2.28E+08	228322061	+	2.829E-20	6.6137E-19	-0.21472	hypo	sig	chr1_228322061
chr10	80315587	80315587	+	2.829E-20	6.6141E-19	-0.25817	hypo	sig	chr10_80315587
chr12	75207605	75207605	+	2.838E-20	6.6344E-19	0.38797	hyper	sig	chr12_75207605
chr10	1.33E+08	132892403	+	2.839E-20	6.6361E-19	0.317605	hyper	sig	chr10_132892403
chr7	27206182	27206182	+	2.841E-20	6.6403E-19	-0.27438	hypo	sig	chr7_27206182
chr1	2.06E+08	205850009	+	2.843E-20	6.6463E-19	0.277201	hyper	sig	chr1_205850009
chr16	86516145	86516145	+	2.843E-20	6.6465E-19	0.301088	hyper	sig	chr16_86516145
chr11	44309374	44309374	+	2.844E-20	6.648E-19	0.201447	hyper	sig	chr11_44309374
chr3	1.8E+08	180324955	+	2.847E-20	6.6549E-19	-0.28839	hypo	sig	chr3_180324955
chr19	49050435	49050435	+	2.849E-20	6.6585E-19	-0.38359	hypo	sig	chr19_49050435

chr7	97731864	97731864	+	2.849E-20	6.6585E-19	0.255243	hyper	sig	chr7_97731864
chr2	1.19E+08	119156744	+	2.85E-20	6.6611E-19	0.219668	hyper	sig	chr2_119156744
chr6	98842837	98842837	+	2.85E-20	6.6611E-19	0.301932	hyper	sig	chr6_98842837
chr6	1.66E+08	165988598	+	2.85E-20	6.6611E-19	0.290501	hyper	sig	chr6_165988598
chr19	6659970	6659970	+	2.851E-20	6.663E-19	0.32465	hyper	sig	chr19_6659970
chr4	1212088	1212088	+	2.851E-20	6.6632E-19	0.349956	hyper	sig	chr4_1212088
chr7	25858060	25858060	+	2.854E-20	6.6702E-19	-0.25623	hypo	sig	chr7_25858060
chr13	87674486	87674486	+	2.858E-20	6.6783E-19	0.330225	hyper	sig	chr13_87674486
chr7	1.57E+08	157499251	+	2.858E-20	6.6792E-19	-0.24772	hypo	sig	chr7_157499251
chr2	2.01E+08	200586619	+	2.859E-20	6.6807E-19	0.335673	hyper	sig	chr2_200586619
chr10	1.01E+08	100659454	+	2.862E-20	6.6876E-19	0.381637	hyper	sig	chr10_100659454
chr6	11779678	11779678	+	2.864E-20	6.6909E-19	-0.21897	hypo	sig	chr6_11779678
chr2	1.76E+08	176190442	+	2.864E-20	6.6923E-19	-0.2056	hypo	sig	chr2_176190442
chr6	1.66E+08	165829227	+	2.866E-20	6.6971E-19	-0.25217	hypo	sig	chr6_165829227
chr17	47867098	47867098	+	2.867E-20	6.6988E-19	0.276446	hyper	sig	chr17_47867098
chr8	64379235	64379235	+	2.867E-20	6.6988E-19	0.327753	hyper	sig	chr8_64379235
chr1	26786728	26786728	+	2.868E-20	6.6993E-19	0.329256	hyper	sig	chr1_26786728
chr2	2.19E+08	219451666	+	2.868E-20	6.6993E-19	0.331103	hyper	sig	chr2_219451666
chr4	1.25E+08	125316455	+	2.869E-20	6.7021E-19	0.236736	hyper	sig	chr4_125316455
chr7	27122161	27122161	+	2.871E-20	6.7073E-19	-0.26631	hypo	sig	chr7_27122161
chr17	9226766	9226766	+	2.874E-20	6.7144E-19	-0.27837	hypo	sig	chr17_9226766
chr2	1.09E+08	109172342	+	2.875E-20	6.7153E-19	0.295821	hyper	sig	chr2_109172342
chr8	1019609	1019609	+	2.876E-20	6.7185E-19	-0.35516	hypo	sig	chr8_1019609
chr20	62217389	62217389	+	2.88E-20	6.726E-19	-0.43612	hypo	sig	chr20_62217389
chr5	1.59E+08	159105294	+	2.88E-20	6.726E-19	0.337531	hyper	sig	chr5_159105294
chr17	36941536	36941536	+	2.88E-20	6.7277E-19	0.280623	hyper	sig	chr17_36941536
chr19	22052745	22052745	+	2.882E-20	6.7317E-19	0.25764	hyper	sig	chr19_22052745
chr16	86618735	86618735	+	2.884E-20	6.7358E-19	-0.26826	hypo	sig	chr16_86618735
chr18	80081675	80081675	+	2.891E-20	6.7514E-19	-0.24429	hypo	sig	chr18_80081675
chr21	44706189	44706189	+	2.891E-20	6.7526E-19	0.350431	hyper	sig	chr21_44706189
chr9	34590776	34590776	+	2.892E-20	6.7533E-19	-0.30852	hypo	sig	chr9_34590776
chr11	69005612	69005612	+	2.894E-20	6.7591E-19	0.246557	hyper	sig	chr11_69005612
chr20	46246744	46246744	+	2.897E-20	6.7642E-19	0.250609	hyper	sig	chr20_46246744
chr21	26844253	26844253	+	2.897E-20	6.7649E-19	0.20219	hyper	sig	chr21_26844253
chr2	2.18E+08	217904748	+	2.898E-20	6.767E-19	0.341143	hyper	sig	chr2_217904748
chr18	21243135	21243135	+	2.899E-20	6.7681E-19	0.23956	hyper	sig	chr18_21243135
chr6	13860321	13860321	+	2.902E-20	6.776E-19	0.290341	hyper	sig	chr6_13860321
chr2	2.39E+08	239275474	+	2.905E-20	6.782E-19	-0.27023	hypo	sig	chr2_239275474
chr1	75131112	75131112	+	2.906E-20	6.7853E-19	0.201574	hyper	sig	chr1_75131112
chr2	11634980	11634980	+	2.907E-20	6.7856E-19	-0.29265	hypo	sig	chr2_11634980
chr19	13002684	13002684	+	2.907E-20	6.7866E-19	0.349929	hyper	sig	chr19_13002684
chr16	89247975	89247975	+	2.908E-20	6.7891E-19	0.35277	hyper	sig	chr16_89247975
chr17	60139205	60139205	+	2.911E-20	6.7943E-19	0.247533	hyper	sig	chr17_60139205
chr12	46831525	46831525	+	2.912E-20	6.7976E-19	0.21074	hyper	sig	chr12_46831525
chr12	1.24E+08	124454999	+	2.912E-20	6.7976E-19	0.341749	hyper	sig	chr12_124454999
chr1	1.65E+08	165235275	+	2.913E-20	6.7991E-19	0.313482	hyper	sig	chr1_165235275
chr9	37026756	37026756	+	2.917E-20	6.8075E-19	0.316624	hyper	sig	chr9_37026756
chr7	9726519	9726519	+	2.919E-20	6.8133E-19	-0.32202	hypo	sig	chr7_9726519
chr4	1.85E+08	185016750	+	2.923E-20	6.8223E-19	0.294815	hyper	sig	chr4_185016750
chr4	7655622	7655622	+	2.925E-20	6.8267E-19	-0.29775	hypo	sig	chr4_7655622
chr5	88672315	88672315	+	2.925E-20	6.8272E-19	0.252496	hyper	sig	chr5_88672315
chr20	21521569	21521569	+	2.928E-20	6.8334E-19	0.318279	hyper	sig	chr20_21521569
chr5	1.46E+08	146379069	+	2.928E-20	6.8337E-19	0.406844	hyper	sig	chr5_146379069
chr12	1.33E+08	132838022	+	2.929E-20	6.8344E-19	0.329816	hyper	sig	chr12_132838022
chr2	10331262	10331262	+	2.93E-20	6.8379E-19	-0.31807	hypo	sig	chr2_10331262
chr5	83471575	83471575	+	2.933E-20	6.8429E-19	0.29123	hyper	sig	chr5_83471575

chr5	1.41E+08	140823015	+	2.938E-20	6.8557E-19	0.315568	hyper	sig	chr5_140823015
chr11	1.29E+08	128692989	+	2.943E-20	6.8664E-19	0.205287	hyper	sig	chr11_128692989
chr7	949582	949582	+	2.944E-20	6.8689E-19	-0.29953	hypo	sig	chr7_949582
chr10	1.01E+08	101047140	+	2.944E-20	6.8693E-19	0.318259	hyper	sig	chr10_101047140
chr12	54000196	54000196	+	2.946E-20	6.8727E-19	0.304647	hyper	sig	chr12_54000196
chr9	1.22E+08	122226448	+	2.946E-20	6.8728E-19	0.318401	hyper	sig	chr9_122226448
chr13	83881478	83881478	+	2.946E-20	6.8737E-19	0.303778	hyper	sig	chr13_83881478
chr4	84481290	84481290	+	2.948E-20	6.8767E-19	0.204861	hyper	sig	chr4_84481290
chr12	1.14E+08	114414258	+	2.949E-20	6.8787E-19	0.243389	hyper	sig	chr12_114414258
chr5	1752762	1752762	+	2.952E-20	6.8869E-19	-0.34848	hypo	sig	chr5_1752762
chr9	1.37E+08	136688111	+	2.958E-20	6.9004E-19	-0.28187	hypo	sig	chr9_136688111
chr17	67246970	67246970	+	2.959E-20	6.9013E-19	-0.40011	hypo	sig	chr17_67246970
chr8	1.16E+08	115667862	+	2.96E-20	6.9042E-19	0.30834	hyper	sig	chr8_115667862
chr10	42475394	42475394	+	2.96E-20	6.9049E-19	-0.29599	hypo	sig	chr10_42475394
chr2	12926685	12926685	+	2.961E-20	6.9053E-19	-0.29561	hypo	sig	chr2_12926685
chr12	47085994	47085994	+	2.963E-20	6.9112E-19	-0.21475	hypo	sig	chr12_47085994
chr11	1.12E+08	111976933	+	2.967E-20	6.9194E-19	0.373098	hyper	sig	chr11_111976933
chr6	1593987	1593987	+	2.973E-20	6.9331E-19	-0.42591	hypo	sig	chr6_1593987
chr15	25194351	25194351	+	2.977E-20	6.9426E-19	-0.37532	hypo	sig	chr15_25194351
chr8	1.43E+08	142777079	+	2.977E-20	6.9426E-19	0.285653	hyper	sig	chr8_142777079
chr8	90792130	90792130	+	2.979E-20	6.9472E-19	0.213948	hyper	sig	chr8_90792130
chr10	97849158	97849158	+	2.98E-20	6.9494E-19	-0.27931	hypo	sig	chr10_97849158
chr13	26012265	26012265	+	2.982E-20	6.9539E-19	0.34715	hyper	sig	chr13_26012265
chr7	6842489	6842489	+	2.983E-20	6.9539E-19	-0.23969	hypo	sig	chr7_6842489
chr12	2586896	2586896	+	2.985E-20	6.9589E-19	-0.27375	hypo	sig	chr12_2586896
chr5	1.79E+08	179060799	+	2.985E-20	6.9589E-19	0.278149	hyper	sig	chr5_179060799
chr12	4911560	4911560	+	2.988E-20	6.9653E-19	0.330839	hyper	sig	chr12_4911560
chr2	89612004	89612004	+	2.991E-20	6.9725E-19	0.344105	hyper	sig	chr2_89612004
chr2	66425861	66425861	+	2.995E-20	6.9814E-19	0.200303	hyper	sig	chr2_66425861
chr13	1.13E+08	113411344	+	2.997E-20	6.985E-19	-0.31114	hypo	sig	chr13_113411344
chr15	82648655	82648655	+	3E-20	6.9928E-19	0.357111	hyper	sig	chr15_82648655
chr8	1.42E+08	142465475	+	3E-20	6.9936E-19	-0.28543	hypo	sig	chr8_142465475
chr12	1.07E+08	106581405	+	3.001E-20	6.9955E-19	0.224826	hyper	sig	chr12_106581405
chr17	79981391	79981391	+	3.007E-20	7.0094E-19	0.292393	hyper	sig	chr17_79981391
chr19	33684652	33684652	+	3.008E-20	7.0103E-19	0.32095	hyper	sig	chr19_33684652
chr21	18244810	18244810	+	3.008E-20	7.0115E-19	0.314945	hyper	sig	chr21_18244810
chr8	1160520	1160520	+	3.01E-20	7.0142E-19	-0.29721	hypo	sig	chr8_1160520
chr3	1.49E+08	149474822	+	3.013E-20	7.0214E-19	-0.29205	hypo	sig	chr3_149474822
chr8	1.03E+08	102805816	+	3.017E-20	7.0316E-19	-0.32898	hypo	sig	chr8_102805816
chr19	1130891	1130891	+	3.02E-20	7.0368E-19	-0.26553	hypo	sig	chr19_1130891
chr10	1.01E+08	101228576	+	3.022E-20	7.0407E-19	0.266126	hyper	sig	chr10_101228576
chr21	26845351	26845351	+	3.022E-20	7.0415E-19	0.289394	hyper	sig	chr21_26845351
chr16	85181927	85181927	+	3.023E-20	7.0441E-19	-0.26484	hypo	sig	chr16_85181927
chr2	11784858	11784858	+	3.023E-20	7.0442E-19	0.32749	hyper	sig	chr2_11784858
chr19	51949183	51949183	+	3.024E-20	7.0446E-19	0.275402	hyper	sig	chr19_51949183
chr14	77026571	77026571	+	3.025E-20	7.0471E-19	0.26461	hyper	sig	chr14_77026571
chr3	1.5E+08	149657181	+	3.025E-20	7.0479E-19	0.31607	hyper	sig	chr3_149657181
chr6	98825462	98825462	+	3.029E-20	7.0571E-19	0.269305	hyper	sig	chr6_98825462
chr1	1.1E+08	109739824	+	3.03E-20	7.0585E-19	0.2261	hyper	sig	chr1_109739824
chr13	78596963	78596963	+	3.03E-20	7.0593E-19	0.281479	hyper	sig	chr13_78596963
chr6	41638673	41638673	+	3.031E-20	7.0614E-19	0.250628	hyper	sig	chr6_41638673
chr11	31799463	31799463	+	3.032E-20	7.0634E-19	0.275884	hyper	sig	chr11_31799463
chr11	2533176	2533176	+	3.034E-20	7.0666E-19	0.256887	hyper	sig	chr11_2533176
chr19	29667011	29667011	+	3.034E-20	7.0674E-19	0.251999	hyper	sig	chr19_29667011
chr16	88898457	88898457	+	3.035E-20	7.0685E-19	-0.37434	hypo	sig	chr16_88898457
chr11	33656075	33656075	+	3.038E-20	7.0754E-19	-0.31044	hypo	sig	chr11_33656075

chr20	5315727	5315727	+	3.039E-20	7.0787E-19	0.31067	hyper	sig	chr20_5315727
chr16	3192778	3192778	+	3.043E-20	7.0866E-19	0.312558	hyper	sig	chr16_3192778
chr19	3964949	3964949	+	3.043E-20	7.0877E-19	0.318653	hyper	sig	chr19_3964949
chr2	1.06E+08	106342979	+	3.044E-20	7.0882E-19	-0.33922	hypo	sig	chr2_106342979
chr7	24979025	24979025	+	3.044E-20	7.0882E-19	-0.28227	hypo	sig	chr7_24979025
chr17	2983072	2983072	+	3.044E-20	7.0884E-19	0.260289	hyper	sig	chr17_2983072
chr6	6004569	6004569	+	3.045E-20	7.09E-19	0.276956	hyper	sig	chr6_6004569
chr5	1.79E+08	179060845	+	3.048E-20	7.0972E-19	0.30624	hyper	sig	chr5_179060845
chr1	1.62E+08	162023380	+	3.051E-20	7.1054E-19	0.312166	hyper	sig	chr1_162023380
chr17	73552508	73552508	+	3.053E-20	7.1078E-19	-0.29922	hypo	sig	chr17_73552508
chr9	1.22E+08	122220543	+	3.053E-20	7.1088E-19	0.325795	hyper	sig	chr9_122220543
chr21	25640586	25640586	+	3.056E-20	7.1158E-19	0.246613	hyper	sig	chr21_25640586
chr4	1.11E+08	110639985	+	3.057E-20	7.1164E-19	0.370386	hyper	sig	chr4_110639985
chr1	3068031	3068031	+	3.057E-20	7.1168E-19	0.260569	hyper	sig	chr1_3068031
chr6	98825469	98825469	+	3.06E-20	7.1234E-19	0.238264	hyper	sig	chr6_98825469
chr16	77788490	77788490	+	3.06E-20	7.1239E-19	0.243686	hyper	sig	chr16_77788490
chr12	54054037	54054037	+	3.061E-20	7.1252E-19	0.26932	hyper	sig	chr12_54054037
chr16	57797883	57797883	+	3.061E-20	7.1254E-19	-0.33364	hypo	sig	chr16_57797883
chr10	99330764	99330764	+	3.062E-20	7.1276E-19	0.260154	hyper	sig	chr10_99330764
chr1	7784853	7784853	+	3.063E-20	7.1292E-19	0.364582	hyper	sig	chr1_7784853
chr2	71556343	71556343	+	3.063E-20	7.1292E-19	-0.31941	hypo	sig	chr2_71556343
chr13	20177206	20177206	+	3.064E-20	7.1327E-19	0.364928	hyper	sig	chr13_20177206
chr21	33024169	33024169	+	3.065E-20	7.1328E-19	0.347984	hyper	sig	chr21_33024169
chr17	47867138	47867138	+	3.066E-20	7.1357E-19	0.327278	hyper	sig	chr17_47867138
chr7	1602250	1602250	+	3.069E-20	7.1437E-19	-0.28633	hypo	sig	chr7_1602250
chr5	1.35E+08	135490276	+	3.072E-20	7.1498E-19	0.256701	hyper	sig	chr5_135490276
chr4	1.88E+08	188208892	+	3.074E-20	7.1531E-19	-0.29857	hypo	sig	chr4_188208892
chr9	98944707	98944707	+	3.076E-20	7.1588E-19	0.30665	hyper	sig	chr9_98944707
chr6	29553343	29553343	+	3.076E-20	7.1589E-19	0.22199	hyper	sig	chr6_29553343
chr12	85273823	85273823	+	3.077E-20	7.1597E-19	0.271379	hyper	sig	chr12_85273823
chr16	56190621	56190621	+	3.077E-20	7.1601E-19	0.238219	hyper	sig	chr16_56190621
chr3	69009725	69009725	+	3.079E-20	7.1655E-19	0.288351	hyper	sig	chr3_69009725
chr8	41700096	41700096	+	3.081E-20	7.1697E-19	-0.33035	hypo	sig	chr8_41700096
chr7	1.2E+08	120272592	+	3.084E-20	7.1768E-19	0.261964	hyper	sig	chr7_120272592
chr11	20597500	20597500	+	3.088E-20	7.1855E-19	0.294126	hyper	sig	chr11_20597500
chr2	20184542	20184542	+	3.093E-20	7.1973E-19	-0.27017	hypo	sig	chr2_20184542
chr2	30230919	30230919	+	3.094E-20	7.1982E-19	0.395105	hyper	sig	chr2_30230919
chr2	44934135	44934135	+	3.102E-20	7.2173E-19	0.393417	hyper	sig	chr2_44934135
chr4	3385501	3385501	+	3.103E-20	7.2182E-19	-0.36929	hypo	sig	chr4_3385501
chr1	1.19E+08	119000751	+	3.105E-20	7.223E-19	0.324013	hyper	sig	chr1_119000751
chr6	1E+08	100467834	+	3.107E-20	7.2268E-19	0.348123	hyper	sig	chr6_100467834
chr10	1.16E+08	116274388	+	3.11E-20	7.2337E-19	0.292563	hyper	sig	chr10_116274388
chr2	2.42E+08	241852807	+	3.112E-20	7.2383E-19	-0.24589	hypo	sig	chr2_241852807
chr14	1.05E+08	104514531	+	3.112E-20	7.239E-19	-0.4066	hypo	sig	chr14_104514531
chr16	1436544	1436544	+	3.112E-20	7.239E-19	-0.32091	hypo	sig	chr16_1436544
chr22	42946982	42946982	+	3.124E-20	7.2649E-19	-0.26253	hypo	sig	chr22_42946982
chr5	1.41E+08	140797019	+	3.126E-20	7.2713E-19	0.335956	hyper	sig	chr5_140797019
chr5	1.52E+08	151534310	+	3.127E-20	7.2713E-19	-0.34596	hypo	sig	chr5_151534310
chr5	1.69E+08	169301240	+	3.128E-20	7.2754E-19	0.358108	hyper	sig	chr5_169301240
chr3	16883184	16883184	+	3.129E-20	7.2768E-19	-0.26669	hypo	sig	chr3_16883184
chr7	56116202	56116202	+	3.132E-20	7.2822E-19	0.224435	hyper	sig	chr7_56116202
chr2	2.42E+08	241804112	+	3.134E-20	7.2873E-19	0.254756	hyper	sig	chr2_241804112
chr14	41606461	41606461	+	3.136E-20	7.2911E-19	0.202093	hyper	sig	chr14_41606461
chr7	1.58E+08	157720800	+	3.141E-20	7.3046E-19	-0.3384	hypo	sig	chr7_157720800
chr12	1.32E+08	131617637	+	3.144E-20	7.3103E-19	-0.35992	hypo	sig	chr12_131617637
chr6	32169389	32169389	+	3.144E-20	7.3103E-19	0.222109	hyper	sig	chr6_32169389

chr6	1.6E+08	160349996	+	3.145E-20	7.3122E-19	-0.32161	hypo	sig	chr6_160349996
chr1	3650650	3650650	+	3.148E-20	7.3182E-19	0.254825	hyper	sig	chr1_3650650
chr13	1.01E+08	100517663	+	3.148E-20	7.3184E-19	-0.38265	hypo	sig	chr13_100517663
chr5	1.41E+08	141355188	+	3.148E-20	7.3187E-19	0.268687	hyper	sig	chr5_141355188
chr11	70826878	70826878	+	3.149E-20	7.3208E-19	0.264964	hyper	sig	chr11_70826878
chr19	23914897	23914897	+	3.15E-20	7.3235E-19	0.256235	hyper	sig	chr19_23914897
chr9	70480821	70480821	+	3.157E-20	7.338E-19	0.236032	hyper	sig	chr9_70480821
chr12	54419810	54419810	+	3.158E-20	7.3412E-19	0.266278	hyper	sig	chr12_54419810
chr16	3038505	3038505	+	3.158E-20	7.3416E-19	-0.25077	hypo	sig	chr16_3038505
chr14	37599165	37599165	+	3.159E-20	7.3439E-19	0.405286	hyper	sig	chr14_37599165
chr6	32754725	32754725	+	3.162E-20	7.3492E-19	-0.33538	hypo	sig	chr6_32754725
chr12	6620451	6620451	+	3.163E-20	7.3513E-19	0.299106	hyper	sig	chr12_6620451
chr12	1.14E+08	114447534	+	3.163E-20	7.3522E-19	0.258637	hyper	sig	chr12_114447534
chr7	35257431	35257431	+	3.164E-20	7.3527E-19	0.21436	hyper	sig	chr7_35257431
chr4	4872278	4872278	+	3.164E-20	7.3534E-19	0.27725	hyper	sig	chr4_4872278
chr1	2860407	2860407	+	3.165E-20	7.3554E-19	-0.31401	hypo	sig	chr1_2860407
chr8	66961247	66961247	+	3.167E-20	7.3589E-19	0.287054	hyper	sig	chr8_66961247
chr17	50201574	50201574	+	3.17E-20	7.367E-19	0.228473	hyper	sig	chr17_50201574
chr19	6495983	6495983	+	3.171E-20	7.3696E-19	-0.20563	hypo	sig	chr19_6495983
chr9	1.35E+08	134879667	+	3.174E-20	7.3763E-19	-0.30806	hypo	sig	chr9_134879667
chr4	1.11E+08	110631225	+	3.175E-20	7.3778E-19	0.214448	hyper	sig	chr4_110631225
chr1	2.44E+08	243979968	+	3.175E-20	7.3784E-19	-0.32815	hypo	sig	chr1_243979968
chr9	1.36E+08	136202805	+	3.178E-20	7.3839E-19	0.291164	hyper	sig	chr9_136202805
chr5	1.46E+08	146340464	+	3.182E-20	7.3922E-19	0.27752	hyper	sig	chr5_146340464
chr1	32765763	32765763	+	3.183E-20	7.3952E-19	0.319309	hyper	sig	chr1_32765763
chr11	1.35E+08	134763365	+	3.184E-20	7.3966E-19	-0.27533	hypo	sig	chr11_134763365
chr6	31355507	31355507	+	3.185E-20	7.3983E-19	-0.2598	hypo	sig	chr6_31355507
chr19	38975263	38975263	+	3.19E-20	7.4108E-19	0.2459	hyper	sig	chr19_38975263
chr10	72089899	72089899	+	3.19E-20	7.411E-19	-0.2746	hypo	sig	chr10_72089899
chr10	79222500	79222500	+	3.193E-20	7.4179E-19	0.25393	hyper	sig	chr10_79222500
chr2	821303	821303	+	3.194E-20	7.4201E-19	-0.29088	hypo	sig	chr2_821303
chr10	510662	510662	+	3.194E-20	7.4201E-19	0.277549	hyper	sig	chr10_510662
chr7	1E+08	100099705	+	3.196E-20	7.4224E-19	0.309324	hyper	sig	chr7_100099705
chr1	2.14E+08	213980042	+	3.198E-20	7.4267E-19	0.332037	hyper	sig	chr1_213980042
chr13	21319212	21319212	+	3.198E-20	7.4272E-19	0.303904	hyper	sig	chr13_21319212
chr5	1291078	1291078	+	3.199E-20	7.4292E-19	-0.29398	hypo	sig	chr5_1291078
chr8	1435472	1435472	+	3.2E-20	7.4318E-19	-0.24725	hypo	sig	chr8_1435472
chr16	1060884	1060884	+	3.202E-20	7.4374E-19	-0.31285	hypo	sig	chr16_1060884
chr7	1.52E+08	151736272	+	3.205E-20	7.4438E-19	0.293671	hyper	sig	chr7_151736272
chr16	4990799	4990799	+	3.211E-20	7.4557E-19	-0.23074	hypo	sig	chr16_4990799
chr7	1.01E+08	100676905	+	3.211E-20	7.4565E-19	0.272289	hyper	sig	chr7_100676905
chr17	4785987	4785987	+	3.217E-20	7.4693E-19	0.303959	hyper	sig	chr17_4785987
chr6	1.33E+08	133241636	+	3.218E-20	7.4731E-19	0.451906	hyper	sig	chr6_133241636
chr5	10652184	10652184	+	3.221E-20	7.4802E-19	-0.36857	hypo	sig	chr5_10652184
chr5	1931459	1931459	+	3.226E-20	7.4894E-19	0.254372	hyper	sig	chr5_1931459
chr7	1.45E+08	145270529	+	3.226E-20	7.4894E-19	-0.28697	hypo	sig	chr7_145270529
chr2	2.32E+08	232409814	+	3.231E-20	7.5019E-19	0.335297	hyper	sig	chr2_232409814
chr11	15114931	15114931	+	3.232E-20	7.5047E-19	0.278971	hyper	sig	chr11_15114931
chr20	56627381	56627381	+	3.234E-20	7.5072E-19	0.277005	hyper	sig	chr20_56627381
chr17	58154941	58154941	+	3.237E-20	7.5143E-19	-0.28991	hypo	sig	chr17_58154941
chr14	22882820	22882820	+	3.239E-20	7.5205E-19	0.230933	hyper	sig	chr14_22882820
chr19	11674242	11674242	+	3.242E-20	7.5252E-19	0.267072	hyper	sig	chr19_11674242
chr11	1.29E+08	128694306	+	3.242E-20	7.5264E-19	0.411379	hyper	sig	chr11_128694306
chr19	56393896	56393896	+	3.243E-20	7.5271E-19	0.277557	hyper	sig	chr19_56393896
chr6	50843280	50843280	+	3.243E-20	7.5281E-19	0.308872	hyper	sig	chr6_50843280
chr5	37838649	37838649	+	3.249E-20	7.5411E-19	0.207499	hyper	sig	chr5_37838649

chr19	3130810	3130810	+	3.252E-20	7.5489E-19	-0.37471	hypo	sig	chr19_3130810
chr19	19121159	19121159	+	3.253E-20	7.5504E-19	0.242656	hyper	sig	chr19_19121159
chr3	1.38E+08	138097804	+	3.262E-20	7.5709E-19	-0.29287	hypo	sig	chr3_138097804
chr4	21304418	21304418	+	3.263E-20	7.5729E-19	0.234092	hyper	sig	chr4_21304418
chr14	85534730	85534730	+	3.266E-20	7.5789E-19	0.305085	hyper	sig	chr14_85534730
chr20	46057399	46057399	+	3.272E-20	7.5936E-19	0.296595	hyper	sig	chr20_46057399
chr5	88672543	88672543	+	3.272E-20	7.5936E-19	0.370781	hyper	sig	chr5_88672543
chr13	1.13E+08	113115158	+	3.272E-20	7.5936E-19	-0.28328	hypo	sig	chr13_113115158
chr2	1.28E+08	127681740	+	3.276E-20	7.6031E-19	0.296434	hyper	sig	chr2_127681740
chr7	1.57E+08	157078510	+	3.277E-20	7.6053E-19	0.298287	hyper	sig	chr7_157078510
chr14	44912049	44912049	+	3.279E-20	7.6085E-19	0.334623	hyper	sig	chr14_44912049
chr1	1.74E+08	173669996	+	3.279E-20	7.6091E-19	0.200444	hyper	sig	chr1_173669996
chr14	32938128	32938128	+	3.285E-20	7.6214E-19	0.272413	hyper	sig	chr14_32938128
chr4	2812423	2812423	+	3.29E-20	7.6332E-19	-0.29565	hypo	sig	chr4_2812423
chr7	1.56E+08	155804703	+	3.297E-20	7.6485E-19	0.274213	hyper	sig	chr7_155804703
chr19	34482255	34482255	+	3.297E-20	7.6488E-19	0.286539	hyper	sig	chr19_34482255
chr1	3651279	3651279	+	3.303E-20	7.6626E-19	0.292645	hyper	sig	chr1_3651279
chr20	46058453	46058453	+	3.306E-20	7.669E-19	0.287279	hyper	sig	chr20_46058453
chr6	33277720	33277720	+	3.308E-20	7.6723E-19	0.248526	hyper	sig	chr6_33277720
chr14	37585554	37585554	+	3.31E-20	7.6777E-19	0.224471	hyper	sig	chr14_37585554
chr4	1305370	1305370	+	3.311E-20	7.6801E-19	-0.23748	hypo	sig	chr4_1305370
chr10	26392418	26392418	+	3.323E-20	7.707E-19	-0.24004	hypo	sig	chr10_26392418
chr13	1.12E+08	111531103	+	3.324E-20	7.7092E-19	-0.31959	hypo	sig	chr13_111531103
chr10	55628675	55628675	+	3.33E-20	7.7226E-19	0.239744	hyper	sig	chr10_55628675
chr3	1.38E+08	137761247	+	3.332E-20	7.7268E-19	0.325244	hyper	sig	chr3_137761247
chr7	56229968	56229968	+	3.332E-20	7.7276E-19	0.280892	hyper	sig	chr7_56229968
chr5	33938804	33938804	+	3.333E-20	7.7298E-19	0.290582	hyper	sig	chr5_33938804
chr4	1.11E+08	110612795	+	3.336E-20	7.7349E-19	0.220385	hyper	sig	chr4_110612795
chr7	54542214	54542214	+	3.338E-20	7.7404E-19	0.256579	hyper	sig	chr7_54542214
chr8	8325013	8325013	+	3.338E-20	7.7404E-19	0.26999	hyper	sig	chr8_8325013
chr2	41697398	41697398	+	3.344E-20	7.7531E-19	-0.3573	hypo	sig	chr2_41697398
chr11	2184832	2184832	+	3.345E-20	7.7568E-19	-0.23491	hypo	sig	chr11_2184832
chr20	23048653	23048653	+	3.346E-20	7.757E-19	0.266514	hyper	sig	chr20_23048653
chr1	1419890	1419890	+	3.348E-20	7.7619E-19	0.284968	hyper	sig	chr1_1419890
chr3	1.39E+08	139045033	+	3.35E-20	7.7656E-19	0.262707	hyper	sig	chr3_139045033
chr8	26051810	26051810	+	3.35E-20	7.7656E-19	0.235719	hyper	sig	chr8_26051810
chr10	1.33E+08	133309938	+	3.35E-20	7.7668E-19	-0.26657	hypo	sig	chr10_133309938
chr10	1609098	1609098	+	3.355E-20	7.7773E-19	0.206959	hyper	sig	chr10_1609098
chr6	6004715	6004715	+	3.359E-20	7.7868E-19	0.274876	hyper	sig	chr6_6004715
chr5	1.59E+08	159104881	+	3.363E-20	7.7944E-19	0.367463	hyper	sig	chr5_159104881
chr16	10578118	10578118	+	3.364E-20	7.7978E-19	0.258537	hyper	sig	chr16_10578118
chr5	1.36E+08	136193653	+	3.366E-20	7.8027E-19	0.264856	hyper	sig	chr5_136193653
chr19	35558440	35558440	+	3.369E-20	7.8082E-19	0.310828	hyper	sig	chr19_35558440
chr12	1.11E+08	111035837	+	3.37E-20	7.8114E-19	0.278923	hyper	sig	chr12_111035837
chr10	1.01E+08	100659452	+	3.373E-20	7.8176E-19	0.382911	hyper	sig	chr10_100659452
chr11	1.24E+08	123573919	+	3.376E-20	7.8238E-19	-0.26856	hypo	sig	chr11_123573919
chr12	1.14E+08	114439698	+	3.376E-20	7.8244E-19	0.331834	hyper	sig	chr12_114439698
chr16	31330147	31330147	+	3.378E-20	7.8273E-19	0.341535	hyper	sig	chr16_31330147
chr4	1.11E+08	110633944	+	3.382E-20	7.8381E-19	0.331583	hyper	sig	chr4_110633944
chr10	30785469	30785469	+	3.384E-20	7.8421E-19	0.245525	hyper	sig	chr10_30785469
chr12	1.13E+08	113479862	+	3.385E-20	7.844E-19	0.329628	hyper	sig	chr12_113479862
chr21	36705259	36705259	+	3.387E-20	7.8479E-19	0.41816	hyper	sig	chr21_36705259
chr10	1.25E+08	125023974	+	3.387E-20	7.8486E-19	0.382647	hyper	sig	chr10_125023974
chr1	9295407	9295407	+	3.389E-20	7.853E-19	0.333949	hyper	sig	chr1_9295407
chr1	3651153	3651153	+	3.392E-20	7.8592E-19	0.307444	hyper	sig	chr1_3651153
chr11	16611149	16611149	+	3.395E-20	7.8643E-19	0.308044	hyper	sig	chr11_16611149

chr19	39203955	39203955	+	3.395E-20	7.8643E-19	0.285199	hyper	sig	chr19_39203955
chr16	68733886	68733886	+	3.395E-20	7.8648E-19	-0.21818	hypo	sig	chr16_68733886
chr17	48750264	48750264	+	3.396E-20	7.8679E-19	0.230848	hyper	sig	chr17_48750264
chr2	2.08E+08	207767689	+	3.401E-20	7.8777E-19	-0.27027	hypo	sig	chr2_207767689
chr2	1.28E+08	127653010	+	3.401E-20	7.878E-19	0.332364	hyper	sig	chr2_127653010
chr11	1.29E+08	128824277	+	3.403E-20	7.882E-19	0.313358	hyper	sig	chr11_128824277
chr19	4552584	4552584	+	3.403E-20	7.8829E-19	-0.28685	hypo	sig	chr19_4552584
chr11	49890015	49890015	+	3.407E-20	7.8907E-19	-0.29163	hypo	sig	chr11_49890015
chr12	1.32E+08	132343793	+	3.411E-20	7.8991E-19	0.268025	hyper	sig	chr12_132343793
chr22	29479958	29479958	+	3.411E-20	7.8994E-19	0.352721	hyper	sig	chr22_29479958
chr1	1.98E+08	197921354	+	3.412E-20	7.9008E-19	0.297403	hyper	sig	chr1_197921354
chr8	26010563	26010563	+	3.413E-20	7.9034E-19	0.276177	hyper	sig	chr8_26010563
chr14	92527844	92527844	+	3.413E-20	7.9044E-19	0.236935	hyper	sig	chr14_92527844
chr1	2.28E+08	228464441	+	3.414E-20	7.9054E-19	0.258007	hyper	sig	chr1_228464441
chr12	1.14E+08	114405909	+	3.421E-20	7.9207E-19	0.234924	hyper	sig	chr12_114405909
chr11	27722943	27722943	+	3.424E-20	7.9279E-19	0.208258	hyper	sig	chr11_27722943
chr4	1.74E+08	173527450	+	3.426E-20	7.932E-19	0.288783	hyper	sig	chr4_173527450
chr11	78901044	78901044	+	3.426E-20	7.9338E-19	-0.2696	hypo	sig	chr11_78901044
chr3	1.47E+08	147410946	+	3.428E-20	7.9365E-19	0.206917	hyper	sig	chr3_147410946
chr16	1002800	1002800	+	3.432E-20	7.9458E-19	-0.30388	hypo	sig	chr16_1002800
chr10	1.33E+08	132508838	+	3.432E-20	7.9463E-19	0.25952	hyper	sig	chr10_132508838
chr5	1.81E+08	181100597	+	3.433E-20	7.9484E-19	0.26015	hyper	sig	chr5_181100597
chr20	25053634	25053634	+	3.433E-20	7.9488E-19	0.292364	hyper	sig	chr20_25053634
chr10	99234203	99234203	+	3.436E-20	7.9546E-19	0.20095	hyper	sig	chr10_99234203
chr19	53255091	53255091	+	3.436E-20	7.9546E-19	0.236897	hyper	sig	chr19_53255091
chr7	45575904	45575904	+	3.439E-20	7.9606E-19	0.283495	hyper	sig	chr7_45575904
chr12	1.03E+08	102962166	+	3.439E-20	7.9607E-19	0.273072	hyper	sig	chr12_102962166
chr1	1.98E+08	197921448	+	3.441E-20	7.964E-19	0.255476	hyper	sig	chr1_197921448
chr17	74114082	74114082	+	3.444E-20	7.9717E-19	0.36102	hyper	sig	chr17_74114082
chr1	1.46E+08	146486628	+	3.449E-20	7.9827E-19	0.394081	hyper	sig	chr1_146486628
chr7	38311331	38311331	+	3.449E-20	7.984E-19	0.269859	hyper	sig	chr7_38311331
chr20	45098475	45098475	+	3.45E-20	7.9853E-19	0.317193	hyper	sig	chr20_45098475
chr8	1.04E+08	103500818	+	3.451E-20	7.9873E-19	0.304736	hyper	sig	chr8_103500818
chr6	1594231	1594231	+	3.454E-20	7.9932E-19	-0.32949	hypo	sig	chr6_1594231
chr8	1.44E+08	144334043	+	3.454E-20	7.9941E-19	0.321244	hyper	sig	chr8_144334043
chr19	56507477	56507477	+	3.457E-20	7.9995E-19	0.294108	hyper	sig	chr19_56507477
chr19	57099468	57099468	+	3.457E-20	7.9995E-19	0.377157	hyper	sig	chr19_57099468
chr3	6862613	6862613	+	3.458E-20	8.0007E-19	0.292124	hyper	sig	chr3_6862613
chr17	6996045	6996045	+	3.46E-20	8.0065E-19	0.221803	hyper	sig	chr17_6996045
chr3	68932830	68932830	+	3.462E-20	8.0101E-19	0.264389	hyper	sig	chr3_68932830
chr5	1.71E+08	171308182	+	3.463E-20	8.0119E-19	0.262493	hyper	sig	chr5_171308182
chr7	1.04E+08	104328926	+	3.464E-20	8.0142E-19	0.212182	hyper	sig	chr7_104328926
chr2	44930188	44930188	+	3.465E-20	8.0174E-19	0.270787	hyper	sig	chr2_44930188
chr3	1.47E+08	147391154	+	3.468E-20	8.0227E-19	0.278466	hyper	sig	chr3_147391154
chr10	1.22E+08	121596034	+	3.468E-20	8.0238E-19	0.278916	hyper	sig	chr10_121596034
chr6	10886861	10886861	+	3.469E-20	8.026E-19	0.249009	hyper	sig	chr6_10886861
chr6	1.5E+08	149965130	+	3.472E-20	8.0314E-19	0.27018	hyper	sig	chr6_149965130
chr20	45098716	45098716	+	3.473E-20	8.0328E-19	0.356257	hyper	sig	chr20_45098716
chr15	70448136	70448136	+	3.473E-20	8.0344E-19	-0.26289	hypo	sig	chr15_70448136
chr13	26010130	26010130	+	3.474E-20	8.0358E-19	-0.25367	hypo	sig	chr13_26010130
chr5	37839281	37839281	+	3.476E-20	8.0394E-19	0.327105	hyper	sig	chr5_37839281
chr11	1.29E+08	128694211	+	3.476E-20	8.04E-19	0.278409	hyper	sig	chr11_128694211
chr14	1.04E+08	103712798	+	3.476E-20	8.0401E-19	0.298604	hyper	sig	chr14_103712798
chr10	81875607	81875607	+	3.476E-20	8.0404E-19	0.232243	hyper	sig	chr10_81875607
chr7	1.55E+08	155374684	+	3.477E-20	8.0422E-19	0.234477	hyper	sig	chr7_155374684
chr16	14406130	14406130	+	3.481E-20	8.0507E-19	-0.26703	hypo	sig	chr16_14406130

chr16	50667624	50667624	+	3.484E-20	8.0571E-19	-0.26967	hypo	sig	chr16_50667624
chr17	58535052	58535052	+	3.484E-20	8.0575E-19	-0.34798	hypo	sig	chr17_58535052
chr6	1.68E+08	168101262	+	3.487E-20	8.0638E-19	0.249726	hyper	sig	chr6_168101262
chr3	27730420	27730420	+	3.488E-20	8.0654E-19	0.299657	hyper	sig	chr3_27730420
chr12	54053771	54053771	+	3.488E-20	8.0659E-19	0.263786	hyper	sig	chr12_54053771
chr10	1.17E+08	117133077	+	3.488E-20	8.0665E-19	0.249035	hyper	sig	chr10_117133077
chr14	1.01E+08	101029241	+	3.49E-20	8.0691E-19	-0.33003	hypo	sig	chr14_101029241
chr3	1.47E+08	147391811	+	3.491E-20	8.0719E-19	0.308935	hyper	sig	chr3_147391811
chr1	2E+08	200035454	+	3.492E-20	8.0741E-19	0.25105	hyper	sig	chr1_200035454
chr6	1.66E+08	165988887	+	3.493E-20	8.0755E-19	0.428779	hyper	sig	chr6_165988887
chr19	37467813	37467813	+	3.495E-20	8.0809E-19	0.26931	hyper	sig	chr19_37467813
chr16	1991511	1991511	+	3.499E-20	8.0894E-19	0.301864	hyper	sig	chr16_1991511
chr5	1.35E+08	135490171	+	3.499E-20	8.0894E-19	0.222184	hyper	sig	chr5_135490171
chr1	31581224	31581224	+	3.5E-20	8.0902E-19	0.316456	hyper	sig	chr1_31581224
chr16	31471507	31471507	+	3.5E-20	8.0917E-19	0.265264	hyper	sig	chr16_31471507
chr2	55924030	55924030	+	3.503E-20	8.0974E-19	0.22981	hyper	sig	chr2_55924030
chr1	1.53E+08	152811239	+	3.506E-20	8.1042E-19	-0.29392	hypo	sig	chr1_152811239
chr7	1123380	1123380	+	3.506E-20	8.1042E-19	0.338721	hyper	sig	chr7_1123380
chr5	1.29E+08	128537807	+	3.509E-20	8.1103E-19	0.278695	hyper	sig	chr5_128537807
chr12	1.31E+08	131095927	+	3.514E-20	8.1228E-19	-0.28645	hypo	sig	chr12_131095927
chr19	11674122	11674122	+	3.514E-20	8.1228E-19	0.291232	hyper	sig	chr19_11674122
chr7	1.3E+08	130491643	+	3.519E-20	8.1327E-19	0.276296	hyper	sig	chr7_130491643
chr11	49558510	49558510	+	3.519E-20	8.1337E-19	0.283683	hyper	sig	chr11_49558510
chr6	29627384	29627384	+	3.52E-20	8.1343E-19	0.370905	hyper	sig	chr6_29627384
chr19	18772972	18772972	+	3.524E-20	8.1431E-19	-0.36089	hypo	sig	chr19_18772972
chr17	75700429	75700429	+	3.525E-20	8.1449E-19	-0.29884	hypo	sig	chr17_75700429
chr13	1.13E+08	113130166	+	3.525E-20	8.1464E-19	0.325262	hyper	sig	chr13_113130166
chr2	27307585	27307585	+	3.526E-20	8.1488E-19	0.271269	hyper	sig	chr2_27307585
chr2	2.41E+08	240899693	+	3.53E-20	8.157E-19	0.216762	hyper	sig	chr2_240899693
chr1	90834674	90834674	+	3.53E-20	8.1571E-19	0.316123	hyper	sig	chr1_90834674
chr11	1460595	1460595	+	3.533E-20	8.164E-19	0.353674	hyper	sig	chr11_1460595
chr19	18878162	18878162	+	3.533E-20	8.164E-19	-0.39641	hypo	sig	chr19_18878162
chr5	32711323	32711323	+	3.535E-20	8.1673E-19	0.248638	hyper	sig	chr5_32711323
chr1	10779426	10779426	+	3.538E-20	8.1742E-19	-0.30016	hypo	sig	chr1_10779426
chr1	1144242	1144242	+	3.539E-20	8.1765E-19	-0.30923	hypo	sig	chr1_1144242
chr5	74639017	74639017	+	3.539E-20	8.1765E-19	-0.25068	hypo	sig	chr5_74639017
chr12	85278807	85278807	+	3.543E-20	8.1859E-19	0.302577	hyper	sig	chr12_85278807
chr7	41965346	41965346	+	3.544E-20	8.1864E-19	-0.36855	hypo	sig	chr7_41965346
chr7	27116009	27116009	+	3.544E-20	8.1877E-19	0.392985	hyper	sig	chr7_27116009
chr8	1.41E+08	141190367	+	3.545E-20	8.1899E-19	0.21694	hyper	sig	chr8_141190367
chr13	94712395	94712395	+	3.546E-20	8.1912E-19	0.256692	hyper	sig	chr13_94712395
chr19	40224754	40224754	+	3.549E-20	8.1963E-19	-0.41109	hypo	sig	chr19_40224754
chr20	761062	761062	+	3.549E-20	8.1963E-19	0.341606	hyper	sig	chr20_761062
chr8	37797958	37797958	+	3.55E-20	8.1991E-19	0.301593	hyper	sig	chr8_37797958
chr10	1.01E+08	101218276	+	3.55E-20	8.1998E-19	0.270151	hyper	sig	chr10_101218276
chr20	25084813	25084813	+	3.55E-20	8.1998E-19	0.306694	hyper	sig	chr20_25084813
chr10	3118893	3118893	+	3.551E-20	8.2011E-19	-0.27977	hypo	sig	chr10_3118893
chr11	2807044	2807044	+	3.555E-20	8.2105E-19	0.279416	hyper	sig	chr11_2807044
chr5	1.59E+08	159095501	+	3.558E-20	8.2171E-19	0.317225	hyper	sig	chr5_159095501
chr19	5294132	5294132	+	3.562E-20	8.225E-19	0.262824	hyper	sig	chr19_5294132
chr13	1.1E+08	110424865	+	3.564E-20	8.23E-19	-0.27055	hypo	sig	chr13_110424865
chr16	86504701	86504701	+	3.565E-20	8.2315E-19	0.303234	hyper	sig	chr16_86504701
chr2	1.82E+08	181681809	+	3.57E-20	8.2441E-19	0.365588	hyper	sig	chr2_181681809
chr10	22345686	22345686	+	3.573E-20	8.2505E-19	0.373094	hyper	sig	chr10_22345686
chr11	2376425	2376425	+	3.575E-20	8.2532E-19	-0.234	hypo	sig	chr11_2376425
chr7	73374046	73374046	+	3.575E-20	8.2551E-19	-0.33438	hypo	sig	chr7_73374046

chr4	1502815	1502815	+	3.581E-20	8.2685E-19	-0.26874	hypo	sig	chr4_1502815
chr3	49019865	49019865	+	3.582E-20	8.2695E-19	-0.24813	hypo	sig	chr3_49019865
chr2	2.33E+08	233059956	+	3.586E-20	8.2792E-19	-0.36689	hypo	sig	chr2_233059956
chr2	85765576	85765576	+	3.587E-20	8.281E-19	-0.27113	hypo	sig	chr2_85765576
chr4	17781730	17781730	+	3.588E-20	8.2827E-19	0.276182	hyper	sig	chr4_17781730
chr11	7963467	7963467	+	3.59E-20	8.2863E-19	-0.26035	hypo	sig	chr11_7963467
chr7	1.56E+08	156104755	+	3.59E-20	8.2882E-19	-0.30971	hypo	sig	chr7_156104755
chr6	36285317	36285317	+	3.595E-20	8.2974E-19	0.276218	hyper	sig	chr6_36285317
chr7	19117618	19117618	+	3.6E-20	8.3098E-19	0.258353	hyper	sig	chr7_19117618
chr11	8169031	8169031	+	3.601E-20	8.3117E-19	0.255865	hyper	sig	chr11_8169031
chr16	88958103	88958103	+	3.601E-20	8.3119E-19	-0.26149	hypo	sig	chr16_88958103
chr3	1.23E+08	123447760	+	3.603E-20	8.3167E-19	0.372921	hyper	sig	chr3_123447760
chr5	1667865	1667865	+	3.603E-20	8.3167E-19	0.298038	hyper	sig	chr5_1667865
chr5	77211798	77211798	+	3.605E-20	8.3192E-19	0.321594	hyper	sig	chr5_77211798
chr1	37763804	37763804	+	3.606E-20	8.3216E-19	-0.31265	hypo	sig	chr1_37763804
chr7	162479	162479	+	3.606E-20	8.3216E-19	-0.28837	hypo	sig	chr7_162479
chr1	2.28E+08	228006366	+	3.607E-20	8.325E-19	0.253929	hyper	sig	chr1_228006366
chr8	26381598	26381598	+	3.609E-20	8.3276E-19	-0.24054	hypo	sig	chr8_26381598
chr6	33277940	33277940	+	3.61E-20	8.3305E-19	0.236786	hyper	sig	chr6_33277940
chr5	2755052	2755052	+	3.61E-20	8.3306E-19	0.348124	hyper	sig	chr5_2755052
chr12	54000242	54000242	+	3.612E-20	8.3341E-19	0.255508	hyper	sig	chr12_54000242
chr14	77140514	77140514	+	3.613E-20	8.3364E-19	0.271875	hyper	sig	chr14_77140514
chr11	72244141	72244141	+	3.615E-20	8.3403E-19	0.326052	hyper	sig	chr11_72244141
chr11	655505	655505	+	3.617E-20	8.3454E-19	-0.29754	hypo	sig	chr11_655505
chr20	1002160	1002160	+	3.621E-20	8.3549E-19	0.210535	hyper	sig	chr20_1002160
chr10	1.33E+08	132832679	+	3.625E-20	8.3635E-19	0.264492	hyper	sig	chr10_132832679
chr13	76887170	76887170	+	3.625E-20	8.3635E-19	0.230499	hyper	sig	chr13_76887170
chr1	2.08E+08	207822407	+	3.63E-20	8.3746E-19	0.258993	hyper	sig	chr1_207822407
chr13	75705084	75705084	+	3.631E-20	8.3757E-19	-0.30977	hypo	sig	chr13_75705084
chr12	1.3E+08	130475013	+	3.631E-20	8.3761E-19	0.290347	hyper	sig	chr12_130475013
chr6	1.7E+08	170253664	+	3.635E-20	8.3848E-19	-0.31967	hypo	sig	chr6_170253664
chr5	1.41E+08	141350246	+	3.636E-20	8.3858E-19	0.278638	hyper	sig	chr5_141350246
chr5	1.41E+08	141398775	+	3.64E-20	8.3969E-19	0.274162	hyper	sig	chr5_141398775
chr11	94401514	94401514	+	3.644E-20	8.4041E-19	0.28084	hyper	sig	chr11_94401514
chr2	11587081	11587081	+	3.646E-20	8.4081E-19	-0.29728	hypo	sig	chr2_11587081
chr9	97852968	97852968	+	3.648E-20	8.413E-19	0.300394	hyper	sig	chr9_97852968
chr7	1.59E+08	158570051	+	3.648E-20	8.4138E-19	0.393466	hyper	sig	chr7_158570051
chr19	2324458	2324458	+	3.65E-20	8.418E-19	0.238617	hyper	sig	chr19_2324458
chr2	1.92E+08	192196050	+	3.65E-20	8.418E-19	0.269809	hyper	sig	chr2_192196050
chr13	42573488	42573488	+	3.655E-20	8.4284E-19	-0.29486	hypo	sig	chr13_42573488
chr5	1.81E+08	181219733	+	3.656E-20	8.43E-19	0.210414	hyper	sig	chr5_181219733
chr12	52792265	52792265	+	3.659E-20	8.437E-19	-0.34922	hypo	sig	chr12_52792265
chr2	43296881	43296881	+	3.662E-20	8.4425E-19	0.212244	hyper	sig	chr2_43296881
chr13	25095973	25095973	+	3.662E-20	8.4428E-19	0.276549	hyper	sig	chr13_25095973
chr1	95233271	95233271	+	3.666E-20	8.451E-19	0.233273	hyper	sig	chr1_95233271
chr17	67246799	67246799	+	3.665E-20	8.451E-19	-0.26603	hypo	sig	chr17_67246799
chr17	75828273	75828273	+	3.666E-20	8.451E-19	0.273928	hyper	sig	chr17_75828273
chr18	47248598	47248598	+	3.668E-20	8.4556E-19	0.270785	hyper	sig	chr18_47248598
chr7	1.55E+08	155465542	+	3.669E-20	8.4578E-19	0.268684	hyper	sig	chr7_155465542
chr2	2.27E+08	227460267	+	3.67E-20	8.46E-19	-0.2176	hypo	sig	chr2_227460267
chr3	1.65E+08	165195809	+	3.679E-20	8.4809E-19	0.283497	hyper	sig	chr3_165195809
chr11	1.17E+08	116696654	+	3.679E-20	8.481E-19	-0.25945	hypo	sig	chr11_116696654
chr7	195499	195499	+	3.68E-20	8.4819E-19	0.213989	hyper	sig	chr7_195499
chr7	1.54E+08	154054280	+	3.684E-20	8.4908E-19	-0.35591	hypo	sig	chr7_154054280
chr10	86263346	86263346	+	3.686E-20	8.4957E-19	0.329866	hyper	sig	chr10_86263346
chr13	24932183	24932183	+	3.686E-20	8.4958E-19	0.25634	hyper	sig	chr13_24932183

chr2	2.39E+08	239397162	+	3.686E-20	8.4958E-19	0.23622	hyper	sig	chr2_239397162
chr16	19872227	19872227	+	3.687E-20	8.4975E-19	-0.30384	hypo	sig	chr16_19872227
chr4	1.33E+08	133148230	+	3.687E-20	8.4975E-19	0.30021	hyper	sig	chr4_133148230
chr19	43699422	43699422	+	3.69E-20	8.5041E-19	0.267207	hyper	sig	chr19_43699422
chr19	52369903	52369903	+	3.699E-20	8.5226E-19	0.232623	hyper	sig	chr19_52369903
chr3	1.47E+08	147423337	+	3.699E-20	8.5226E-19	0.275771	hyper	sig	chr3_147423337
chr6	1E+08	100447284	+	3.724E-20	8.5802E-19	0.268633	hyper	sig	chr6_100447284
chr10	1.01E+08	101227730	+	3.727E-20	8.5865E-19	0.288344	hyper	sig	chr10_101227730
chr20	19977548	19977548	+	3.729E-20	8.5925E-19	0.286686	hyper	sig	chr20_19977548
chr16	85366136	85366136	+	3.731E-20	8.5955E-19	0.281251	hyper	sig	chr16_85366136
chr3	48273484	48273484	+	3.732E-20	8.5974E-19	-0.27916	hypo	sig	chr3_48273484
chr13	99972052	99972052	+	3.732E-20	8.5979E-19	0.314515	hyper	sig	chr13_99972052
chr6	28817244	28817244	+	3.733E-20	8.5998E-19	0.237883	hyper	sig	chr6_28817244
chr8	2506624	2506624	+	3.744E-20	8.6244E-19	-0.29883	hypo	sig	chr8_2506624
chr6	12749108	12749108	+	3.744E-20	8.6246E-19	0.261746	hyper	sig	chr6_12749108
chr11	68950295	68950295	+	3.747E-20	8.6309E-19	-0.26039	hypo	sig	chr11_68950295
chr8	2089987	2089987	+	3.748E-20	8.6329E-19	-0.35255	hypo	sig	chr8_2089987
chr10	1.23E+08	123274416	+	3.748E-20	8.6329E-19	0.263571	hyper	sig	chr10_123274416
chr1	2073529	2073529	+	3.749E-20	8.6351E-19	0.280583	hyper	sig	chr1_2073529
chr13	30932553	30932553	+	3.75E-20	8.6359E-19	0.29879	hyper	sig	chr13_30932553
chr7	74482932	74482932	+	3.75E-20	8.636E-19	0.243438	hyper	sig	chr7_74482932
chr1	17580567	17580567	+	3.752E-20	8.6407E-19	-0.27524	hypo	sig	chr1_17580567
chr11	1392038	1392038	+	3.752E-20	8.6412E-19	-0.31427	hypo	sig	chr11_1392038
chr12	45051334	45051334	+	3.753E-20	8.6432E-19	0.24858	hyper	sig	chr12_45051334
chr1	50425565	50425565	+	3.755E-20	8.6483E-19	0.328592	hyper	sig	chr1_50425565
chr17	34039510	34039510	+	3.756E-20	8.6486E-19	0.295144	hyper	sig	chr17_34039510
chr11	1.26E+08	126061637	+	3.759E-20	8.6549E-19	0.256361	hyper	sig	chr11_126061637
chr1	3743080	3743080	+	3.76E-20	8.6581E-19	-0.27515	hypo	sig	chr1_3743080
chr17	40065809	40065809	+	3.761E-20	8.6611E-19	0.294968	hyper	sig	chr17_40065809
chr11	655466	655466	+	3.763E-20	8.6638E-19	-0.2801	hypo	sig	chr11_655466
chr6	1.7E+08	170252824	+	3.763E-20	8.665E-19	-0.28846	hypo	sig	chr6_170252824
chr10	8051413	8051413	+	3.765E-20	8.6684E-19	0.218794	hyper	sig	chr10_8051413
chr3	64447794	64447794	+	3.768E-20	8.676E-19	-0.25014	hypo	sig	chr3_64447794
chr1	54781330	54781330	+	3.768E-20	8.676E-19	0.368931	hyper	sig	chr1_54781330
chr19	37251991	37251991	+	3.769E-20	8.6771E-19	0.223058	hyper	sig	chr19_37251991
chr12	54000199	54000199	+	3.769E-20	8.6778E-19	0.30246	hyper	sig	chr12_54000199
chr14	36514313	36514313	+	3.77E-20	8.6778E-19	0.252478	hyper	sig	chr14_36514313
chr17	79540729	79540729	+	3.77E-20	8.679E-19	-0.26634	hypo	sig	chr17_79540729
chr18	21241464	21241464	+	3.774E-20	8.6882E-19	0.219976	hyper	sig	chr18_21241464
chr4	1.22E+08	121765517	+	3.778E-20	8.6968E-19	0.266463	hyper	sig	chr4_121765517
chr7	73424457	73424457	+	3.78E-20	8.7004E-19	0.29552	hyper	sig	chr7_73424457
chr10	1.33E+08	132627601	+	3.785E-20	8.7126E-19	0.297581	hyper	sig	chr10_132627601
chr3	1.54E+08	154432510	+	3.787E-20	8.7157E-19	-0.30319	hypo	sig	chr3_154432510
chr13	1.11E+08	110508134	+	3.789E-20	8.7219E-19	-0.41257	hypo	sig	chr13_110508134
chr8	96160754	96160754	+	3.802E-20	8.751E-19	0.279702	hyper	sig	chr8_96160754
chr14	41609742	41609742	+	3.804E-20	8.7557E-19	0.294399	hyper	sig	chr14_41609742
chr17	79981543	79981543	+	3.806E-20	8.7604E-19	0.223703	hyper	sig	chr17_79981543
chr15	40352495	40352495	+	3.81E-20	8.7684E-19	-0.24709	hypo	sig	chr15_40352495
chr2	1.01E+08	101475213	+	3.815E-20	8.7802E-19	-0.27501	hypo	sig	chr2_101475213
chr4	1.74E+08	173519512	+	3.816E-20	8.7821E-19	0.285497	hyper	sig	chr4_173519512
chr8	71558486	71558486	+	3.823E-20	8.7977E-19	0.352095	hyper	sig	chr8_71558486
chr5	3596867	3596867	+	3.825E-20	8.802E-19	0.320701	hyper	sig	chr5_3596867
chr16	50697184	50697184	+	3.829E-20	8.8107E-19	-0.29693	hypo	sig	chr16_50697184
chr13	1.13E+08	112991184	+	3.83E-20	8.8127E-19	-0.28493	hypo	sig	chr13_112991184
chr8	52939714	52939714	+	3.833E-20	8.8199E-19	0.388525	hyper	sig	chr8_52939714
chr13	36673507	36673507	+	3.835E-20	8.823E-19	0.274107	hyper	sig	chr13_36673507

chr15	70448129	70448129	+	3.835E-20	8.8246E-19	-0.25316	hypo	sig	chr15_70448129
chr4	1.9E+08	190017973	+	3.837E-20	8.828E-19	0.22452	hyper	sig	chr4_190017973
chr12	6620611	6620611	+	3.838E-20	8.8288E-19	0.309079	hyper	sig	chr12_6620611
chr3	1.35E+08	134650623	+	3.838E-20	8.8288E-19	0.268918	hyper	sig	chr3_134650623
chr14	99749107	99749107	+	3.84E-20	8.8328E-19	-0.25094	hypo	sig	chr14_99749107
chr5	1.59E+08	159100765	+	3.84E-20	8.8328E-19	0.234968	hyper	sig	chr5_159100765
chr7	1.5E+08	150329911	+	3.84E-20	8.8328E-19	0.271014	hyper	sig	chr7_150329911
chr2	2.4E+08	240324682	+	3.842E-20	8.8377E-19	-0.31985	hypo	sig	chr2_240324682
chr2	26188836	26188836	+	3.848E-20	8.8503E-19	-0.30373	hypo	sig	chr2_26188836
chr4	1.07E+08	107035873	+	3.848E-20	8.8503E-19	0.249568	hyper	sig	chr4_107035873
chr10	13891685	13891685	+	3.848E-20	8.8508E-19	0.275554	hyper	sig	chr10_13891685
chr2	2.4E+08	240140776	+	3.852E-20	8.8593E-19	-0.2792	hypo	sig	chr2_240140776
chr2	1.72E+08	172093625	+	3.854E-20	8.8634E-19	0.271766	hyper	sig	chr2_172093625
chr20	40690864	40690864	+	3.854E-20	8.8634E-19	0.282055	hyper	sig	chr20_40690864
chr2	1.27E+08	126655793	+	3.855E-20	8.8671E-19	0.263693	hyper	sig	chr2_126655793
chr7	71133309	71133309	+	3.856E-20	8.8675E-19	0.316119	hyper	sig	chr7_71133309
chr5	1.73E+08	173228953	+	3.857E-20	8.8704E-19	0.275347	hyper	sig	chr5_173228953
chr16	7303489	7303489	+	3.861E-20	8.8794E-19	0.304177	hyper	sig	chr16_7303489
chr12	1.23E+08	122716815	+	3.868E-20	8.8948E-19	-0.31526	hypo	sig	chr12_122716815
chr6	43933772	43933772	+	3.869E-20	8.8977E-19	0.301242	hyper	sig	chr6_43933772
chr19	39891787	39891787	+	3.872E-20	8.9031E-19	0.281266	hyper	sig	chr19_39891787
chr1	3313889	3313889	+	3.873E-20	8.9043E-19	0.275803	hyper	sig	chr1_3313889
chr1	1.56E+08	156284366	+	3.873E-20	8.9059E-19	-0.30512	hypo	sig	chr1_156284366
chr10	1.3E+08	129884613	+	3.873E-20	8.9059E-19	-0.24464	hypo	sig	chr10_129884613
chr19	19211984	19211984	+	3.875E-20	8.9091E-19	0.304633	hyper	sig	chr19_19211984
chr8	84183797	84183797	+	3.876E-20	8.9112E-19	0.313101	hyper	sig	chr8_84183797
chr20	63178525	63178525	+	3.879E-20	8.9181E-19	0.291957	hyper	sig	chr20_63178525
chr10	86367484	86367484	+	3.882E-20	8.9252E-19	0.214046	hyper	sig	chr10_86367484
chr8	54457883	54457883	+	3.883E-20	8.9262E-19	0.34848	hyper	sig	chr8_54457883
chr1	75130285	75130285	+	3.887E-20	8.9359E-19	0.283407	hyper	sig	chr1_75130285
chr9	98944330	98944330	+	3.89E-20	8.9415E-19	0.253608	hyper	sig	chr9_98944330
chr22	50448514	50448514	+	3.896E-20	8.9543E-19	0.355176	hyper	sig	chr22_50448514
chr4	7193269	7193269	+	3.898E-20	8.9587E-19	0.213616	hyper	sig	chr4_7193269
chr3	1.58E+08	158095841	+	3.901E-20	8.9655E-19	0.271068	hyper	sig	chr3_158095841
chr19	58203884	58203884	+	3.902E-20	8.9685E-19	0.250983	hyper	sig	chr19_58203884
chr1	1.19E+08	118989379	+	3.902E-20	8.969E-19	0.32342	hyper	sig	chr1_118989379
chr17	48722142	48722142	+	3.904E-20	8.973E-19	0.270338	hyper	sig	chr17_48722142
chr20	59194668	59194668	+	3.907E-20	8.9795E-19	-0.45857	hypo	sig	chr20_59194668
chr13	99996877	99996877	+	3.914E-20	8.9947E-19	0.260725	hyper	sig	chr13_99996877
chr16	81693466	81693466	+	3.917E-20	9.0006E-19	0.208616	hyper	sig	chr16_81693466
chr1	10530424	10530424	+	3.917E-20	9.0013E-19	0.409027	hyper	sig	chr1_10530424
chr5	1.41E+08	141476716	+	3.917E-20	9.0013E-19	0.244963	hyper	sig	chr5_141476716
chr2	11777497	11777497	+	3.923E-20	9.0143E-19	-0.22549	hypo	sig	chr2_11777497
chr6	87705243	87705243	+	3.929E-20	9.0282E-19	-0.3159	hypo	sig	chr6_87705243
chr6	33076064	33076064	+	3.932E-20	9.0344E-19	-0.27478	hypo	sig	chr6_33076064
chr10	13890906	13890906	+	3.933E-20	9.0363E-19	0.260647	hyper	sig	chr10_13890906
chr9	34457414	34457414	+	3.933E-20	9.0371E-19	0.316085	hyper	sig	chr9_34457414
chr19	52594933	52594933	+	3.935E-20	9.0396E-19	0.330035	hyper	sig	chr19_52594933
chr16	88392948	88392948	+	3.935E-20	9.0401E-19	-0.30866	hypo	sig	chr16_88392948
chr5	1.29E+08	128537850	+	3.939E-20	9.0481E-19	0.306887	hyper	sig	chr5_128537850
chr16	15149027	15149027	+	3.941E-20	9.0532E-19	0.223161	hyper	sig	chr16_15149027
chr6	1.59E+08	158649962	+	3.941E-20	9.0538E-19	-0.27502	hypo	sig	chr6_158649962
chr9	1.29E+08	129257039	+	3.944E-20	9.0609E-19	-0.34964	hypo	sig	chr9_129257039
chr6	32096511	32096511	+	3.946E-20	9.0642E-19	0.271976	hyper	sig	chr6_32096511
chr1	2.28E+08	228465337	+	3.947E-20	9.0657E-19	0.301167	hyper	sig	chr1_228465337
chr3	48662273	48662273	+	3.949E-20	9.0698E-19	0.397236	hyper	sig	chr3_48662273

chr7	97017802	97017802	+	3.949E-20	9.0704E-19	0.359137	hyper	sig	chr7_97017802
chr19	50692247	50692247	+	3.953E-20	9.0801E-19	-0.3225	hypo	sig	chr19_50692247
chr5	1.32E+08	132258106	+	3.954E-20	9.0816E-19	0.300972	hyper	sig	chr5_132258106
chr17	42784696	42784696	+	3.955E-20	9.0839E-19	0.297232	hyper	sig	chr17_42784696
chr19	3369852	3369852	+	3.956E-20	9.0857E-19	0.388756	hyper	sig	chr19_3369852
chr3	1.84E+08	184492287	+	3.958E-20	9.0894E-19	0.307914	hyper	sig	chr3_184492287
chr4	1305372	1305372	+	3.961E-20	9.0955E-19	-0.24766	hypo	sig	chr4_1305372
chr2	70141645	70141645	+	3.961E-20	9.0957E-19	-0.3044	hypo	sig	chr2_70141645
chr9	35859290	35859290	+	3.963E-20	9.0993E-19	-0.20178	hypo	sig	chr9_35859290
chr12	27969440	27969440	+	3.963E-20	9.1012E-19	0.202704	hyper	sig	chr12_27969440
chr22	38042239	38042239	+	3.966E-20	9.1072E-19	-0.28248	hypo	sig	chr22_38042239
chr20	56627786	56627786	+	3.969E-20	9.1136E-19	0.293426	hyper	sig	chr20_56627786
chr10	25934030	25934030	+	3.972E-20	9.1197E-19	0.245527	hyper	sig	chr10_25934030
chr6	99605562	99605562	+	3.974E-20	9.1242E-19	0.228834	hyper	sig	chr6_99605562
chr13	1.13E+08	113178181	+	3.977E-20	9.1309E-19	0.27157	hyper	sig	chr13_113178181
chr2	1.83E+08	182867148	+	3.977E-20	9.1309E-19	0.249484	hyper	sig	chr2_182867148
chr16	25696953	25696953	+	3.979E-20	9.1344E-19	-0.31332	hypo	sig	chr16_25696953
chr3	1.3E+08	130026276	+	3.981E-20	9.1397E-19	-0.2998	hypo	sig	chr3_130026276
chr19	57317764	57317764	+	3.986E-20	9.1518E-19	0.289297	hyper	sig	chr19_57317764
chr11	1.12E+08	111540168	+	3.988E-20	9.1543E-19	0.349597	hyper	sig	chr11_111540168
chr16	4263406	4263406	+	3.989E-20	9.1567E-19	0.212776	hyper	sig	chr16_4263406
chr10	22345718	22345718	+	3.989E-20	9.1577E-19	0.373457	hyper	sig	chr10_22345718
chr16	1171947	1171947	+	3.991E-20	9.1612E-19	-0.32805	hypo	sig	chr16_1171947
chr2	1.18E+08	118310422	+	3.997E-20	9.1747E-19	0.246391	hyper	sig	chr2_118310422
chr6	1.5E+08	149965096	+	3.998E-20	9.1766E-19	0.244697	hyper	sig	chr6_149965096
chr19	37467837	37467837	+	4E-20	9.1808E-19	0.263322	hyper	sig	chr19_37467837
chr19	45640991	45640991	+	4E-20	9.1808E-19	-0.4076	hypo	sig	chr19_45640991
chr11	72013694	72013694	+	4.002E-20	9.1833E-19	0.288512	hyper	sig	chr11_72013694
chr14	36663265	36663265	+	4.006E-20	9.1918E-19	0.237312	hyper	sig	chr14_36663265
chr19	53993045	53993045	+	4.006E-20	9.1918E-19	0.260736	hyper	sig	chr19_53993045
chr8	60912243	60912243	+	4.006E-20	9.1918E-19	-0.27716	hypo	sig	chr8_60912243
chr7	1.55E+08	155465601	+	4.014E-20	9.2097E-19	0.282565	hyper	sig	chr7_155465601
chr11	31826947	31826947	+	4.015E-20	9.213E-19	0.32353	hyper	sig	chr11_31826947
chr11	1.3E+08	129815502	+	4.017E-20	9.2159E-19	-0.26408	hypo	sig	chr11_129815502
chr16	1311823	1311823	+	4.02E-20	9.2244E-19	0.332893	hyper	sig	chr16_1311823
chr12	1.33E+08	132837740	+	4.021E-20	9.2244E-19	0.250683	hyper	sig	chr12_132837740
chr7	24285338	24285338	+	4.024E-20	9.2315E-19	0.301071	hyper	sig	chr7_24285338
chr7	920858	920858	+	4.024E-20	9.2316E-19	-0.28811	hypo	sig	chr7_920858
chr4	1.33E+08	133148408	+	4.026E-20	9.2349E-19	0.279871	hyper	sig	chr4_133148408
chr3	1.91E+08	190876919	+	4.028E-20	9.2399E-19	-0.23721	hypo	sig	chr3_190876919
chr7	1.39E+08	139034697	+	4.03E-20	9.2434E-19	-0.20695	hypo	sig	chr7_139034697
chr19	50639323	50639323	+	4.033E-20	9.2516E-19	0.247188	hyper	sig	chr19_50639323
chr6	1391038	1391038	+	4.035E-20	9.2561E-19	0.214141	hyper	sig	chr6_1391038
chr1	35558838	35558838	+	4.037E-20	9.2586E-19	0.275697	hyper	sig	chr1_35558838
chr7	1.58E+08	157683883	+	4.038E-20	9.2616E-19	0.32014	hyper	sig	chr7_157683883
chr6	27680845	27680845	+	4.056E-20	9.3025E-19	0.309671	hyper	sig	chr6_27680845
chr7	88760097	88760097	+	4.06E-20	9.3123E-19	0.329918	hyper	sig	chr7_88760097
chr3	1.4E+08	139540025	+	4.064E-20	9.3192E-19	0.248614	hyper	sig	chr3_139540025
chr11	57483374	57483374	+	4.069E-20	9.3307E-19	0.268515	hyper	sig	chr11_57483374
chr4	1.54E+08	153758310	+	4.069E-20	9.3309E-19	-0.25695	hypo	sig	chr4_153758310
chr12	1.03E+08	102950804	+	4.074E-20	9.3418E-19	0.201947	hyper	sig	chr12_102950804
chr17	82242862	82242862	+	4.075E-20	9.3451E-19	0.25771	hyper	sig	chr17_82242862
chr5	1.73E+08	173244018	+	4.079E-20	9.3538E-19	0.342599	hyper	sig	chr5_173244018
chr12	1.15E+08	114696619	+	4.08E-20	9.3561E-19	0.25361	hyper	sig	chr12_114696619
chr5	1.41E+08	140843412	+	4.082E-20	9.3583E-19	0.340286	hyper	sig	chr5_140843412
chr1	1.22E+08	121519690	+	4.085E-20	9.3649E-19	0.235603	hyper	sig	chr1_121519690

chr22	45671253	45671253	+	4.086E-20	9.3675E-19	0.223313	hyper	sig	chr22_45671253
chr8	48735064	48735064	+	4.086E-20	9.3684E-19	0.251371	hyper	sig	chr8_48735064
chr13	1.12E+08	112451480	+	4.087E-20	9.3699E-19	-0.4233	hypo	sig	chr13_112451480
chr22	36410591	36410591	+	4.089E-20	9.3742E-19	-0.27564	hypo	sig	chr22_36410591
chr10	23172672	23172672	+	4.091E-20	9.3776E-19	0.292238	hyper	sig	chr10_23172672
chr14	28765465	28765465	+	4.091E-20	9.3783E-19	0.232549	hyper	sig	chr14_28765465
chr17	9226846	9226846	+	4.092E-20	9.3797E-19	-0.25927	hypo	sig	chr17_9226846
chr14	91413748	91413748	+	4.093E-20	9.381E-19	-0.27141	hypo	sig	chr14_91413748
chr2	2.42E+08	241688483	+	4.099E-20	9.3952E-19	-0.25785	hypo	sig	chr2_241688483
chr14	26204958	26204958	+	4.102E-20	9.4014E-19	0.268811	hyper	sig	chr14_26204958
chr22	29167746	29167746	+	4.102E-20	9.4014E-19	-0.28581	hypo	sig	chr22_29167746
chr18	74499943	74499943	+	4.11E-20	9.4203E-19	-0.22113	hypo	sig	chr18_74499943
chr15	98943047	98943047	+	4.116E-20	9.4329E-19	0.283333	hyper	sig	chr15_98943047
chr16	3183435	3183435	+	4.119E-20	9.4401E-19	0.235092	hyper	sig	chr16_3183435
chr6	393248	393248	+	4.12E-20	9.4413E-19	0.282499	hyper	sig	chr6_393248
chr11	624537	624537	+	4.121E-20	9.4425E-19	-0.31521	hypo	sig	chr11_624537
chr12	57632448	57632448	+	4.121E-20	9.4425E-19	0.260627	hyper	sig	chr12_57632448
chr22	22556744	22556744	+	4.121E-20	9.4425E-19	-0.26097	hypo	sig	chr22_22556744
chr8	76683898	76683898	+	4.125E-20	9.4508E-19	0.27374	hyper	sig	chr8_76683898
chr3	1.39E+08	138943507	+	4.126E-20	9.4539E-19	0.316692	hyper	sig	chr3_138943507
chr17	7383834	7383834	+	4.13E-20	9.4622E-19	0.298659	hyper	sig	chr17_7383834
chr14	1.04E+08	104220502	+	4.132E-20	9.466E-19	-0.31423	hypo	sig	chr14_104220502
chr5	1.41E+08	141344001	+	4.132E-20	9.466E-19	0.248186	hyper	sig	chr5_141344001
chr4	5711778	5711778	+	4.134E-20	9.4702E-19	0.275402	hyper	sig	chr4_5711778
chr5	1.77E+08	176630129	+	4.137E-20	9.478E-19	0.243703	hyper	sig	chr5_176630129
chr4	1056072	1056072	+	4.142E-20	9.4885E-19	-0.27932	hypo	sig	chr4_1056072
chr5	1003071	1003071	+	4.145E-20	9.495E-19	-0.33017	hypo	sig	chr5_1003071
chr12	1.31E+08	130971074	+	4.149E-20	9.5032E-19	-0.25537	hypo	sig	chr12_130971074
chr11	6571449	6571449	+	4.154E-20	9.5145E-19	0.342572	hyper	sig	chr11_6571449
chr5	1.41E+08	141432985	+	4.154E-20	9.515E-19	0.28799	hyper	sig	chr5_141432985
chr2	1.01E+08	101475267	+	4.157E-20	9.5216E-19	-0.38731	hypo	sig	chr2_101475267
chr17	40191488	40191488	+	4.158E-20	9.5227E-19	0.25794	hyper	sig	chr17_40191488
chr3	1.14E+08	114103670	+	4.158E-20	9.5235E-19	-0.3113	hypo	sig	chr3_114103670
chr4	4858084	4858084	+	4.162E-20	9.5321E-19	0.306764	hyper	sig	chr4_4858084
chr17	79465398	79465398	+	4.166E-20	9.5412E-19	-0.31749	hypo	sig	chr17_79465398
chr14	75981096	75981096	+	4.167E-20	9.5423E-19	0.272158	hyper	sig	chr14_75981096
chr5	3599632	3599632	+	4.167E-20	9.5424E-19	0.354222	hyper	sig	chr5_3599632
chr1	75134736	75134736	+	4.17E-20	9.5486E-19	0.220652	hyper	sig	chr1_75134736
chr12	52233614	52233614	+	4.17E-20	9.5486E-19	0.327843	hyper	sig	chr12_52233614
chr1	1331905	1331905	+	4.17E-20	9.5489E-19	-0.29523	hypo	sig	chr1_1331905
chr21	36708725	36708725	+	4.173E-20	9.5537E-19	0.362306	hyper	sig	chr21_36708725
chr15	88255100	88255100	+	4.174E-20	9.5571E-19	0.279201	hyper	sig	chr15_88255100
chr14	92946358	92946358	+	4.181E-20	9.5729E-19	-0.27664	hypo	sig	chr14_92946358
chr7	1.18E+08	118214605	+	4.181E-20	9.5729E-19	0.223333	hyper	sig	chr7_118214605
chr13	33016975	33016975	+	4.183E-20	9.5754E-19	0.224959	hyper	sig	chr13_33016975
chr1	3012067	3012067	+	4.183E-20	9.5759E-19	0.304793	hyper	sig	chr1_3012067
chr10	7411490	7411490	+	4.183E-20	9.5759E-19	0.246413	hyper	sig	chr10_7411490
chr2	26705360	26705360	+	4.189E-20	9.5884E-19	-0.21296	hypo	sig	chr2_26705360
chr7	2734909	2734909	+	4.192E-20	9.5961E-19	0.266654	hyper	sig	chr7_2734909
chr17	45243961	45243961	+	4.194E-20	9.5992E-19	-0.32246	hypo	sig	chr17_45243961
chr2	9102987	9102987	+	4.199E-20	9.6111E-19	-0.31811	hypo	sig	chr2_9102987
chr9	37002730	37002730	+	4.201E-20	9.615E-19	0.333501	hyper	sig	chr9_37002730
chr5	1.29E+08	128536360	+	4.202E-20	9.6181E-19	0.225324	hyper	sig	chr5_128536360
chr16	55655650	55655650	+	4.206E-20	9.6249E-19	0.314872	hyper	sig	chr16_55655650
chr6	1.1E+08	109978697	+	4.206E-20	9.625E-19	0.259295	hyper	sig	chr6_109978697
chr20	63420822	63420822	+	4.206E-20	9.6255E-19	-0.3198	hypo	sig	chr20_63420822

chr7	1.49E+08	149415796	+	4.208E-20	9.6298E-19	0.250946	hyper	sig	chr7_149415796
chr3	61564850	61564850	+	4.21E-20	9.635E-19	0.281259	hyper	sig	chr3_61564850
chr19	34482357	34482357	+	4.212E-20	9.6387E-19	0.236559	hyper	sig	chr19_34482357
chr11	3435257	3435257	+	4.214E-20	9.6432E-19	-0.32898	hypo	sig	chr11_3435257
chr11	64972067	64972067	+	4.216E-20	9.6466E-19	0.32077	hyper	sig	chr11_64972067
chr4	1.11E+08	110639651	+	4.216E-20	9.6472E-19	0.309108	hyper	sig	chr4_110639651
chr15	98293184	98293184	+	4.226E-20	9.6695E-19	0.270993	hyper	sig	chr15_98293184
chr7	1.57E+08	157302607	+	4.229E-20	9.6768E-19	-0.30054	hypo	sig	chr7_157302607
chr17	63941826	63941826	+	4.235E-20	9.6896E-19	-0.34302	hypo	sig	chr17_63941826
chr16	51153880	51153880	+	4.237E-20	9.6927E-19	0.278658	hyper	sig	chr16_51153880
chr2	20670398	20670398	+	4.237E-20	9.6936E-19	0.289018	hyper	sig	chr2_20670398
chr16	19085714	19085714	+	4.243E-20	9.7079E-19	-0.29367	hypo	sig	chr16_19085714
chr6	27312260	27312260	+	4.245E-20	9.7112E-19	0.248637	hyper	sig	chr6_27312260
chr16	67014535	67014535	+	4.247E-20	9.7152E-19	0.222433	hyper	sig	chr16_67014535
chr2	86223093	86223093	+	4.248E-20	9.7182E-19	0.25547	hyper	sig	chr2_86223093
chr10	23192560	23192560	+	4.25E-20	9.7212E-19	0.30532	hyper	sig	chr10_23192560
chr9	98975381	98975381	+	4.254E-20	9.731E-19	0.289246	hyper	sig	chr9_98975381
chr2	97095637	97095637	+	4.27E-20	9.7666E-19	0.232016	hyper	sig	chr2_97095637
chr6	1.09E+08	109294308	+	4.271E-20	9.7702E-19	-0.2661	hypo	sig	chr6_109294308
chr7	1E+08	100477720	+	4.274E-20	9.7755E-19	0.219665	hyper	sig	chr7_100477720
chr3	62369855	62369855	+	4.287E-20	9.8046E-19	0.320086	hyper	sig	chr3_62369855
chr16	86497211	86497211	+	4.291E-20	9.8131E-19	0.298492	hyper	sig	chr16_86497211
chr7	1.29E+08	128511925	+	4.291E-20	9.8144E-19	-0.24313	hypo	sig	chr7_128511925
chr5	1.41E+08	141389537	+	4.292E-20	9.8151E-19	0.318534	hyper	sig	chr5_141389537
chr1	21902118	21902118	+	4.295E-20	9.8218E-19	0.26214	hyper	sig	chr1_21902118
chr16	3183090	3183090	+	4.299E-20	9.8309E-19	0.244652	hyper	sig	chr16_3183090
chr7	838357	838357	+	4.301E-20	9.8347E-19	0.226434	hyper	sig	chr7_838357
chr18	46760214	46760214	+	4.303E-20	9.8395E-19	-0.27862	hypo	sig	chr18_46760214
chr5	3599599	3599599	+	4.309E-20	9.8535E-19	0.339137	hyper	sig	chr5_3599599
chr4	1.21E+08	121380569	+	4.313E-20	9.8625E-19	0.289049	hyper	sig	chr4_121380569
chr12	1.15E+08	114681001	+	4.315E-20	9.865E-19	-0.25122	hypo	sig	chr12_114681001
chr19	38975181	38975181	+	4.315E-20	9.865E-19	0.276315	hyper	sig	chr19_38975181
chr3	1.47E+08	147412662	+	4.317E-20	9.8687E-19	0.331113	hyper	sig	chr3_147412662
chr6	1.68E+08	168411962	+	4.321E-20	9.8794E-19	-0.23437	hypo	sig	chr6_168411962
chr19	58306111	58306111	+	4.322E-20	9.8808E-19	-0.26799	hypo	sig	chr19_58306111
chr6	391290	391290	+	4.322E-20	9.881E-19	0.305699	hyper	sig	chr6_391290
chr2	2.42E+08	241843127	+	4.323E-20	9.8816E-19	-0.27771	hypo	sig	chr2_241843127
chr7	1.21E+08	120989655	+	4.324E-20	9.885E-19	0.312256	hyper	sig	chr7_120989655
chr16	88971847	88971847	+	4.325E-20	9.8861E-19	-0.34306	hypo	sig	chr16_88971847
chr12	1.11E+08	111308206	+	4.332E-20	9.903E-19	-0.42547	hypo	sig	chr12_111308206
chr12	1.08E+08	107580519	+	4.335E-20	9.9074E-19	-0.2765	hypo	sig	chr12_107580519
chr13	1.13E+08	113405919	+	4.337E-20	9.9124E-19	-0.37574	hypo	sig	chr13_113405919
chr9	34809663	34809663	+	4.338E-20	9.9137E-19	0.265491	hyper	sig	chr9_34809663
chr8	1665870	1665870	+	4.341E-20	9.9221E-19	-0.24693	hypo	sig	chr8_1665870
chr9	1.19E+08	119369768	+	4.346E-20	9.9329E-19	0.295288	hyper	sig	chr9_119369768
chr10	55628309	55628309	+	4.348E-20	9.9366E-19	0.262744	hyper	sig	chr10_55628309
chr10	13891483	13891483	+	4.353E-20	9.9485E-19	0.281856	hyper	sig	chr10_13891483
chr22	48561932	48561932	+	4.36E-20	9.9641E-19	-0.28452	hypo	sig	chr22_48561932
chr19	3025329	3025329	+	4.361E-20	9.9645E-19	-0.29881	hypo	sig	chr19_3025329
chr3	61565013	61565013	+	4.362E-20	9.9679E-19	0.294087	hyper	sig	chr3_61565013
chr13	1.08E+08	107882884	+	4.364E-20	9.9716E-19	-0.34927	hypo	sig	chr13_107882884
chr1	3063462	3063462	+	4.366E-20	9.9754E-19	0.345608	hyper	sig	chr1_3063462
chr20	57400562	57400562	+	4.366E-20	9.9754E-19	0.368958	hyper	sig	chr20_57400562
chr20	61822832	61822832	+	4.366E-20	9.9754E-19	-0.26398	hypo	sig	chr20_61822832
chr10	23173376	23173376	+	4.367E-20	9.9762E-19	0.371278	hyper	sig	chr10_23173376
chr3	14810234	14810234	+	4.368E-20	9.9794E-19	0.307819	hyper	sig	chr3_14810234

chr1	1.09E+08	109466377	+	4.368E-20	9.9796E-19	0.208544	hyper	sig	chr1_109466377
chr5	3599584	3599584	+	4.368E-20	9.9796E-19	0.350098	hyper	sig	chr5_3599584
chr3	1.39E+08	138939573	+	4.373E-20	9.9911E-19	0.289593	hyper	sig	chr3_138939573
chr13	1.02E+08	102400525	+	4.375E-20	9.994E-19	0.317606	hyper	sig	chr13_102400525
chr15	1.01E+08	100853810	+	4.378E-20	1.0001E-18	-0.25775	hypo	sig	chr15_100853810
chr11	2144429	2144429	+	4.379E-20	1.0002E-18	0.281142	hyper	sig	chr11_2144429
chr11	20208475	20208475	+	4.386E-20	1.0018E-18	0.308843	hyper	sig	chr11_20208475
chr13	1.13E+08	113098193	+	4.386E-20	1.0018E-18	0.308361	hyper	sig	chr13_113098193
chr11	22432971	22432971	+	4.389E-20	1.0024E-18	0.273841	hyper	sig	chr11_22432971
chr7	1040857	1040857	+	4.392E-20	1.0031E-18	0.278868	hyper	sig	chr7_1040857
chr12	46831570	46831570	+	4.392E-20	1.0032E-18	0.207253	hyper	sig	chr12_46831570
chr19	15181709	15181709	+	4.404E-20	1.0057E-18	-0.38842	hypo	sig	chr19_15181709
chr4	84481344	84481344	+	4.404E-20	1.0058E-18	0.232632	hyper	sig	chr4_84481344
chr16	55656681	55656681	+	4.414E-20	1.008E-18	0.308808	hyper	sig	chr16_55656681
chr16	56194555	56194555	+	4.416E-20	1.0085E-18	0.200224	hyper	sig	chr16_56194555
chr10	1.16E+08	116273761	+	4.421E-20	1.0094E-18	0.211753	hyper	sig	chr10_116273761
chr6	1.59E+08	158826050	+	4.425E-20	1.0103E-18	0.225389	hyper	sig	chr6_158826050
chr2	1561926	1561926	+	4.426E-20	1.0105E-18	-0.27706	hypo	sig	chr2_1561926
chr1	20291862	20291862	+	4.429E-20	1.0112E-18	0.270311	hyper	sig	chr1_20291862
chr12	49961514	49961514	+	4.438E-20	1.0132E-18	0.309666	hyper	sig	chr12_49961514
chr2	1.82E+08	181684568	+	4.438E-20	1.0132E-18	0.317413	hyper	sig	chr2_181684568
chr7	18087312	18087312	+	4.44E-20	1.0137E-18	0.214053	hyper	sig	chr7_18087312
chr17	76141953	76141953	+	4.442E-20	1.0141E-18	0.276405	hyper	sig	chr17_76141953
chr7	1.56E+08	155922422	+	4.445E-20	1.0147E-18	-0.30401	hypo	sig	chr7_155922422
chr18	10131869	10131869	+	4.453E-20	1.0164E-18	-0.25708	hypo	sig	chr18_10131869
chr17	5097660	5097660	+	4.453E-20	1.0166E-18	0.342456	hyper	sig	chr17_5097660
chr6	1.33E+08	133242602	+	4.462E-20	1.0185E-18	0.261303	hyper	sig	chr6_133242602
chr14	1.02E+08	102096443	+	4.462E-20	1.0186E-18	0.311996	hyper	sig	chr14_102096443
chr6	10883840	10883840	+	4.464E-20	1.0189E-18	0.36478	hyper	sig	chr6_10883840
chr1	2273805	2273805	+	4.468E-20	1.0199E-18	0.293237	hyper	sig	chr1_2273805
chr10	55627977	55627977	+	4.469E-20	1.02E-18	0.294794	hyper	sig	chr10_55627977
chr3	31981983	31981983	+	4.472E-20	1.0207E-18	-0.27409	hypo	sig	chr3_31981983
chr7	45921657	45921657	+	4.479E-20	1.0223E-18	0.324533	hyper	sig	chr7_45921657
chr13	1.12E+08	111508718	+	4.482E-20	1.0228E-18	-0.33729	hypo	sig	chr13_111508718
chr7	1421308	1421308	+	4.484E-20	1.0234E-18	-0.25314	hypo	sig	chr7_1421308
chr11	69005571	69005571	+	4.485E-20	1.0236E-18	0.308518	hyper	sig	chr11_69005571
chr2	2.39E+08	239291478	+	4.485E-20	1.0236E-18	0.244434	hyper	sig	chr2_239291478
chr21	44709332	44709332	+	4.487E-20	1.0239E-18	0.29772	hyper	sig	chr21_44709332
chr11	3167977	3167977	+	4.489E-20	1.0242E-18	-0.2652	hypo	sig	chr11_3167977
chr15	34495861	34495861	+	4.49E-20	1.0244E-18	0.313346	hyper	sig	chr15_34495861
chr6	41028410	41028410	+	4.491E-20	1.0248E-18	0.31793	hyper	sig	chr6_41028410
chr12	1.32E+08	132352209	+	4.498E-20	1.0262E-18	-0.31129	hypo	sig	chr12_132352209
chr8	64370742	64370742	+	4.503E-20	1.0275E-18	0.239388	hyper	sig	chr8_64370742
chr16	86504661	86504661	+	4.507E-20	1.0282E-18	0.324845	hyper	sig	chr16_86504661
chr13	1.13E+08	113408192	+	4.508E-20	1.0285E-18	-0.38337	hypo	sig	chr13_113408192
chr7	98616545	98616545	+	4.509E-20	1.0288E-18	0.380683	hyper	sig	chr7_98616545
chr15	64774081	64774081	+	4.51E-20	1.0289E-18	0.266642	hyper	sig	chr15_64774081
chr2	2.32E+08	232459091	+	4.51E-20	1.0289E-18	0.332259	hyper	sig	chr2_232459091
chr13	1.12E+08	112074035	+	4.512E-20	1.0293E-18	0.240334	hyper	sig	chr13_112074035
chr4	8580560	8580560	+	4.514E-20	1.0297E-18	0.222997	hyper	sig	chr4_8580560
chr19	19860994	19860994	+	4.517E-20	1.0304E-18	0.261597	hyper	sig	chr19_19860994
chr14	77026602	77026602	+	4.519E-20	1.0307E-18	0.297588	hyper	sig	chr14_77026602
chr3	1.22E+08	122183718	+	4.519E-20	1.0307E-18	0.223401	hyper	sig	chr3_122183718
chr7	1325366	1325366	+	4.519E-20	1.0307E-18	-0.31926	hypo	sig	chr7_1325366
chr4	84502028	84502028	+	4.54E-20	1.0356E-18	0.246599	hyper	sig	chr4_84502028
chr3	1.72E+08	172449985	+	4.544E-20	1.0365E-18	0.296345	hyper	sig	chr3_172449985

chr9	971736	971736	+	4.545E-20	1.0367E-18	0.376755	hyper	sig	chr9_971736
chr10	99533430	99533430	+	4.549E-20	1.0376E-18	0.210743	hyper	sig	chr10_99533430
chr19	2251828	2251828	+	4.55E-20	1.0377E-18	0.200313	hyper	sig	chr19_2251828
chr13	98173951	98173951	+	4.551E-20	1.0378E-18	0.265008	hyper	sig	chr13_98173951
chr2	1.37E+08	136765086	+	4.552E-20	1.038E-18	0.338599	hyper	sig	chr2_136765086
chr16	2967528	2967528	+	4.552E-20	1.0381E-18	0.238737	hyper	sig	chr16_2967528
chr19	31354631	31354631	+	4.553E-20	1.0383E-18	-0.32862	hypo	sig	chr19_31354631
chr16	68642652	68642652	+	4.554E-20	1.0383E-18	0.284354	hyper	sig	chr16_68642652
chr3	1.26E+08	126416400	+	4.555E-20	1.0387E-18	0.36975	hyper	sig	chr3_126416400
chr1	1.57E+08	156849304	+	4.559E-20	1.0396E-18	0.306189	hyper	sig	chr1_156849304
chr12	72271983	72271983	+	4.56E-20	1.0397E-18	0.243032	hyper	sig	chr12_72271983
chr7	1.18E+08	118214603	+	4.563E-20	1.0403E-18	0.219967	hyper	sig	chr7_118214603
chr13	77918781	77918781	+	4.563E-20	1.0404E-18	0.290688	hyper	sig	chr13_77918781
chr3	1.94E+08	194277221	+	4.565E-20	1.0408E-18	0.34842	hyper	sig	chr3_194277221
chr13	36346490	36346490	+	4.566E-20	1.0408E-18	0.211561	hyper	sig	chr13_36346490
chr17	13602511	13602511	+	4.567E-20	1.0412E-18	0.235767	hyper	sig	chr17_13602511
chr2	10301882	10301882	+	4.567E-20	1.0412E-18	-0.26443	hypo	sig	chr2_10301882
chr14	53953111	53953111	+	4.568E-20	1.0412E-18	0.240721	hyper	sig	chr14_53953111
chr5	88660022	88660022	+	4.569E-20	1.0415E-18	0.32362	hyper	sig	chr5_88660022
chr14	41605432	41605432	+	4.579E-20	1.0438E-18	0.222541	hyper	sig	chr14_41605432
chr10	13892429	13892429	+	4.58E-20	1.0439E-18	0.336136	hyper	sig	chr10_13892429
chr16	88316265	88316265	+	4.582E-20	1.0444E-18	-0.26795	hypo	sig	chr16_88316265
chr17	5097645	5097645	+	4.586E-20	1.0452E-18	0.326335	hyper	sig	chr17_5097645
chr19	15181727	15181727	+	4.587E-20	1.0455E-18	-0.37835	hypo	sig	chr19_15181727
chr3	14305915	14305915	+	4.591E-20	1.0463E-18	-0.23267	hypo	sig	chr3_14305915
chr6	73363737	73363737	+	4.592E-20	1.0465E-18	-0.27173	hypo	sig	chr6_73363737
chr20	24471194	24471194	+	4.593E-20	1.0468E-18	0.254634	hyper	sig	chr20_24471194
chr6	1.69E+08	168957240	+	4.596E-20	1.0474E-18	-0.28758	hypo	sig	chr6_168957240
chr8	26010560	26010560	+	4.603E-20	1.0491E-18	0.282877	hyper	sig	chr8_26010560
chr14	36523043	36523043	+	4.606E-20	1.0497E-18	0.292625	hyper	sig	chr14_36523043
chr12	57736627	57736627	+	4.607E-20	1.0499E-18	0.245534	hyper	sig	chr12_57736627
chr5	1.35E+08	135028959	+	4.612E-20	1.0508E-18	0.357015	hyper	sig	chr5_135028959
chr7	4205779	4205779	+	4.612E-20	1.0508E-18	-0.2786	hypo	sig	chr7_4205779
chr6	65788841	65788841	+	4.613E-20	1.0511E-18	-0.31333	hypo	sig	chr6_65788841
chr8	11769001	11769001	+	4.615E-20	1.0515E-18	-0.24172	hypo	sig	chr8_11769001
chr2	2.22E+08	222311887	+	4.617E-20	1.0518E-18	0.22182	hyper	sig	chr2_222311887
chr1	2299484	2299484	+	4.619E-20	1.0524E-18	0.312033	hyper	sig	chr1_2299484
chr1	2.29E+08	229407771	+	4.623E-20	1.0531E-18	0.306309	hyper	sig	chr1_229407771
chr11	32431320	32431320	+	4.624E-20	1.0533E-18	0.254245	hyper	sig	chr11_32431320
chr16	3690727	3690727	+	4.624E-20	1.0533E-18	0.217483	hyper	sig	chr16_3690727
chr22	50190665	50190665	+	4.624E-20	1.0533E-18	0.232789	hyper	sig	chr22_50190665
chr4	42152786	42152786	+	4.624E-20	1.0534E-18	0.295238	hyper	sig	chr4_42152786
chr2	2.33E+08	232630569	+	4.626E-20	1.0537E-18	-0.28956	hypo	sig	chr2_232630569
chr13	50127474	50127474	+	4.627E-20	1.054E-18	0.445074	hyper	sig	chr13_50127474
chr5	1.59E+08	159097359	+	4.627E-20	1.054E-18	0.314425	hyper	sig	chr5_159097359
chr13	1.11E+08	110506448	+	4.628E-20	1.0542E-18	-0.37728	hypo	sig	chr13_110506448
chr1	2.28E+08	228464471	+	4.632E-20	1.0549E-18	0.242514	hyper	sig	chr1_228464471
chr16	86579028	86579028	+	4.632E-20	1.0551E-18	0.317832	hyper	sig	chr16_86579028
chr1	42152370	42152370	+	4.633E-20	1.0552E-18	-0.2534	hypo	sig	chr1_42152370
chr5	959056	959056	+	4.635E-20	1.0556E-18	-0.2657	hypo	sig	chr5_959056
chr2	1.92E+08	192194745	+	4.636E-20	1.0559E-18	0.314454	hyper	sig	chr2_192194745
chr16	4376270	4376270	+	4.641E-20	1.0569E-18	0.360278	hyper	sig	chr16_4376270
chr2	2.42E+08	241902714	+	4.643E-20	1.0573E-18	0.271677	hyper	sig	chr2_241902714
chr17	259742	259742	+	4.646E-20	1.0579E-18	0.219146	hyper	sig	chr17_259742
chr7	3880390	3880390	+	4.649E-20	1.0587E-18	-0.24754	hypo	sig	chr7_3880390
chr11	1.29E+08	128824464	+	4.654E-20	1.0596E-18	0.274695	hyper	sig	chr11_128824464

chr5	1.14E+08	114363654	+	4.656E-20	1.0602E-18	0.260615	hyper	sig	chr5_114363654
chr2	1.15E+08	115162952	+	4.659E-20	1.0608E-18	0.305646	hyper	sig	chr2_115162952
chr7	54544655	54544655	+	4.662E-20	1.0615E-18	0.301101	hyper	sig	chr7_54544655
chr2	1.82E+08	181677830	+	4.666E-20	1.0624E-18	0.268118	hyper	sig	chr2_181677830
chr7	1.58E+08	157692528	+	4.666E-20	1.0624E-18	0.332156	hyper	sig	chr7_157692528
chr11	69005677	69005677	+	4.667E-20	1.0626E-18	0.234335	hyper	sig	chr11_69005677
chr5	1753186	1753186	+	4.669E-20	1.0629E-18	-0.35592	hypo	sig	chr5_1753186
chr8	1.4E+08	139703464	+	4.669E-20	1.0629E-18	0.40022	hyper	sig	chr8_139703464
chr12	1.24E+08	124429164	+	4.672E-20	1.0635E-18	0.315218	hyper	sig	chr12_124429164
chr21	24840334	24840334	+	4.676E-20	1.0643E-18	-0.34971	hypo	sig	chr21_24840334
chr1	26351659	26351659	+	4.683E-20	1.066E-18	-0.32088	hypo	sig	chr1_26351659
chr17	82388119	82388119	+	4.684E-20	1.0662E-18	-0.42416	hypo	sig	chr17_82388119
chr3	1.41E+08	141052265	+	4.694E-20	1.0683E-18	0.316746	hyper	sig	chr3_141052265
chr18	77250150	77250150	+	4.694E-20	1.0684E-18	0.229082	hyper	sig	chr18_77250150
chr19	38887614	38887614	+	4.697E-20	1.0689E-18	-0.39294	hypo	sig	chr19_38887614
chr4	84496552	84496552	+	4.7E-20	1.0698E-18	0.329388	hyper	sig	chr4_84496552
chr2	1653690	1653690	+	4.705E-20	1.0708E-18	0.299227	hyper	sig	chr2_1653690
chr2	1.82E+08	181684690	+	4.705E-20	1.0708E-18	0.255008	hyper	sig	chr2_181684690
chr16	383415	383415	+	4.713E-20	1.0725E-18	-0.22076	hypo	sig	chr16_383415
chr2	2.13E+08	212536718	+	4.716E-20	1.0732E-18	0.351741	hyper	sig	chr2_212536718
chr10	99533362	99533362	+	4.717E-20	1.0733E-18	0.209529	hyper	sig	chr10_99533362
chr5	1.35E+08	135014432	+	4.726E-20	1.0753E-18	0.264864	hyper	sig	chr5_135014432
chr19	1005186	1005186	+	4.728E-20	1.0759E-18	-0.28538	hypo	sig	chr19_1005186
chr14	1.01E+08	101364713	+	4.729E-20	1.076E-18	0.296871	hyper	sig	chr14_101364713
chr12	53960817	53960817	+	4.731E-20	1.0764E-18	0.26959	hyper	sig	chr12_53960817
chr18	37565390	37565390	+	4.733E-20	1.0768E-18	0.233036	hyper	sig	chr18_37565390
chr7	55018555	55018555	+	4.733E-20	1.0769E-18	0.266472	hyper	sig	chr7_55018555
chr17	9226785	9226785	+	4.736E-20	1.0774E-18	-0.26514	hypo	sig	chr17_9226785
chr19	15011359	15011359	+	4.738E-20	1.0779E-18	0.293007	hyper	sig	chr19_15011359
chr7	85186268	85186268	+	4.739E-20	1.0782E-18	0.321546	hyper	sig	chr7_85186268
chr15	70089186	70089186	+	4.744E-20	1.0792E-18	0.315704	hyper	sig	chr15_70089186
chr20	38729377	38729377	+	4.744E-20	1.0793E-18	0.28372	hyper	sig	chr20_38729377
chr6	1.66E+08	165662032	+	4.75E-20	1.0806E-18	0.2713	hyper	sig	chr6_165662032
chr1	34163497	34163497	+	4.753E-20	1.0811E-18	0.249504	hyper	sig	chr1_34163497
chr17	81600589	81600589	+	4.753E-20	1.0812E-18	0.268912	hyper	sig	chr17_81600589
chr11	69867907	69867907	+	4.759E-20	1.0824E-18	-0.29946	hypo	sig	chr11_69867907
chr2	1.3E+08	129933030	+	4.76E-20	1.0826E-18	-0.32692	hypo	sig	chr2_129933030
chr19	45152353	45152353	+	4.761E-20	1.0828E-18	0.202437	hyper	sig	chr19_45152353
chr15	89371992	89371992	+	4.766E-20	1.0839E-18	0.309335	hyper	sig	chr15_89371992
chr6	10883861	10883861	+	4.767E-20	1.0842E-18	0.323411	hyper	sig	chr6_10883861
chr11	1.06E+08	105611136	+	4.771E-20	1.0851E-18	0.243023	hyper	sig	chr11_105611136
chr6	1.27E+08	127119555	+	4.772E-20	1.0853E-18	0.226251	hyper	sig	chr6_127119555
chr13	1.14E+08	114140396	+	4.775E-20	1.0858E-18	-0.23265	hypo	sig	chr13_114140396
chr4	4863156	4863156	+	4.777E-20	1.0863E-18	0.355647	hyper	sig	chr4_4863156
chr2	85412878	85412878	+	4.777E-20	1.0863E-18	-0.25126	hypo	sig	chr2_85412878
chr10	1.32E+08	132295087	+	4.779E-20	1.0867E-18	-0.25853	hypo	sig	chr10_132295087
chr12	54549745	54549745	+	4.783E-20	1.0876E-18	0.239165	hyper	sig	chr12_54549745
chr6	1.34E+08	133837916	+	4.785E-20	1.0879E-18	-0.23551	hypo	sig	chr6_133837916
chr12	1.3E+08	130017764	+	4.787E-20	1.0884E-18	0.300417	hyper	sig	chr12_130017764
chr2	50347380	50347380	+	4.791E-20	1.0894E-18	0.291216	hyper	sig	chr2_50347380
chr20	63064255	63064255	+	4.796E-20	1.0903E-18	-0.3315	hypo	sig	chr20_63064255
chr5	1.29E+08	128537799	+	4.798E-20	1.0908E-18	0.281024	hyper	sig	chr5_128537799
chr19	42246469	42246469	+	4.811E-20	1.0937E-18	0.404401	hyper	sig	chr19_42246469
chr4	1.45E+08	144646462	+	4.814E-20	1.0944E-18	0.252792	hyper	sig	chr4_144646462
chr1	1.8E+08	179744085	+	4.814E-20	1.0944E-18	0.34414	hyper	sig	chr1_179744085
chr18	12291287	12291287	+	4.814E-20	1.0944E-18	-0.2909	hypo	sig	chr18_12291287

chr16	3098535	3098535	+	4.815E-20	1.0946E-18	0.262815	hyper	sig	chr16_3098535
chr12	81078326	81078326	+	4.817E-20	1.0949E-18	0.258913	hyper	sig	chr12_81078326
chr9	1.16E+08	116154761	+	4.835E-20	1.0991E-18	0.226931	hyper	sig	chr9_116154761
chr8	71842949	71842949	+	4.836E-20	1.0992E-18	0.2482	hyper	sig	chr8_71842949
chr5	1.41E+08	141375694	+	4.84E-20	1.1001E-18	0.282829	hyper	sig	chr5_141375694
chr7	1.01E+08	100679338	+	4.842E-20	1.1006E-18	0.326265	hyper	sig	chr7_100679338
chr3	1.27E+08	127338118	+	4.843E-20	1.1007E-18	0.338272	hyper	sig	chr3_127338118
chr16	7303498	7303498	+	4.844E-20	1.1009E-18	0.300625	hyper	sig	chr16_7303498
chr7	2721040	2721040	+	4.844E-20	1.1009E-18	-0.26508	hypo	sig	chr7_2721040
chr11	66677061	66677061	+	4.846E-20	1.1013E-18	0.257271	hyper	sig	chr11_66677061
chr19	3369817	3369817	+	4.849E-20	1.1018E-18	0.355322	hyper	sig	chr19_3369817
chr19	5838891	5838891	+	4.851E-20	1.1024E-18	-0.29529	hypo	sig	chr19_5838891
chr20	1939206	1939206	+	4.856E-20	1.1034E-18	-0.25402	hypo	sig	chr20_1939206
chr22	24427546	24427546	+	4.858E-20	1.104E-18	-0.28157	hypo	sig	chr22_24427546
chr13	36430522	36430522	+	4.86E-20	1.1044E-18	0.270047	hyper	sig	chr13_36430522
chr12	53987225	53987225	+	4.861E-20	1.1045E-18	0.296084	hyper	sig	chr12_53987225
chr12	75207719	75207719	+	4.861E-20	1.1045E-18	0.333771	hyper	sig	chr12_75207719
chr2	1.42E+08	142130256	+	4.861E-20	1.1045E-18	0.213598	hyper	sig	chr2_142130256
chr16	57529398	57529398	+	4.863E-20	1.1048E-18	-0.28711	hypo	sig	chr16_57529398
chr14	36655836	36655836	+	4.865E-20	1.1053E-18	0.307642	hyper	sig	chr14_36655836
chr5	1.41E+08	141428199	+	4.871E-20	1.1065E-18	0.247256	hyper	sig	chr5_141428199
chr14	36515858	36515858	+	4.872E-20	1.1067E-18	0.320002	hyper	sig	chr14_36515858
chr19	16283567	16283567	+	4.872E-20	1.1068E-18	0.283002	hyper	sig	chr19_16283567
chr1	90834658	90834658	+	4.877E-20	1.1079E-18	0.305035	hyper	sig	chr1_90834658
chr2	94857034	94857034	+	4.878E-20	1.108E-18	0.283883	hyper	sig	chr2_94857034
chr2	1.35E+08	134715442	+	4.878E-20	1.108E-18	-0.31214	hypo	sig	chr2_134715442
chr19	6588899	6588899	+	4.887E-20	1.1099E-18	0.244468	hyper	sig	chr19_6588899
chr2	96500602	96500602	+	4.891E-20	1.111E-18	0.323845	hyper	sig	chr2_96500602
chr16	1482461	1482461	+	4.897E-20	1.1122E-18	-0.31569	hypo	sig	chr16_1482461
chr6	84764673	84764673	+	4.902E-20	1.1133E-18	0.202188	hyper	sig	chr6_84764673
chr16	249581	249581	+	4.907E-20	1.1145E-18	-0.30655	hypo	sig	chr16_249581
chr1	18631584	18631584	+	4.911E-20	1.1151E-18	0.202885	hyper	sig	chr1_18631584
chr3	49686115	49686115	+	4.91E-20	1.1151E-18	0.314032	hyper	sig	chr3_49686115
chr5	958800	958800	+	4.915E-20	1.1162E-18	-0.36292	hypo	sig	chr5_958800
chr16	89045314	89045314	+	4.918E-20	1.1168E-18	-0.3022	hypo	sig	chr16_89045314
chr2	2.27E+08	226798451	+	4.921E-20	1.1173E-18	0.26277	hyper	sig	chr2_226798451
chr7	1.57E+08	157499278	+	4.927E-20	1.1188E-18	-0.27878	hypo	sig	chr7_157499278
chr6	1.68E+08	168411952	+	4.931E-20	1.1197E-18	-0.22927	hypo	sig	chr6_168411952
chr1	39671464	39671464	+	4.933E-20	1.12E-18	0.237026	hyper	sig	chr1_39671464
chr19	22422366	22422366	+	4.936E-20	1.1207E-18	0.267466	hyper	sig	chr19_22422366
chr16	64072447	64072447	+	4.953E-20	1.1244E-18	-0.34399	hypo	sig	chr16_64072447
chr13	1.12E+08	111863094	+	4.958E-20	1.1255E-18	-0.25437	hypo	sig	chr13_111863094
chr7	83749570	83749570	+	4.963E-20	1.1268E-18	-0.23922	hypo	sig	chr7_83749570
chr1	1.57E+08	156844777	+	4.965E-20	1.1272E-18	0.239168	hyper	sig	chr1_156844777
chr4	21949355	21949355	+	4.968E-20	1.1278E-18	0.236623	hyper	sig	chr4_21949355
chr14	73617196	73617196	+	4.969E-20	1.1279E-18	-0.28723	hypo	sig	chr14_73617196
chr12	1.3E+08	130451984	+	4.97E-20	1.1281E-18	-0.40922	hypo	sig	chr12_130451984
chr2	2.06E+08	205687120	+	4.971E-20	1.1284E-18	0.291933	hyper	sig	chr2_205687120
chr14	28774556	28774556	+	4.975E-20	1.1291E-18	0.273677	hyper	sig	chr14_28774556
chr15	30922310	30922310	+	4.975E-20	1.1291E-18	0.251864	hyper	sig	chr15_30922310
chr6	1.37E+08	136920775	+	4.977E-20	1.1297E-18	0.240481	hyper	sig	chr6_136920775
chr12	85279518	85279518	+	4.978E-20	1.1297E-18	0.307757	hyper	sig	chr12_85279518
chr12	1.32E+08	132343824	+	4.978E-20	1.1298E-18	0.352734	hyper	sig	chr12_132343824
chr10	1162207	1162207	+	4.979E-20	1.1299E-18	-0.30102	hypo	sig	chr10_1162207
chr5	1883124	1883124	+	4.979E-20	1.13E-18	0.279737	hyper	sig	chr5_1883124
chr11	72586807	72586807	+	4.982E-20	1.1306E-18	-0.29666	hypo	sig	chr11_72586807

chr2	5700753	5700753	+	4.985E-20	1.1313E-18	-0.26258	hypo	sig	chr2_5700753
chr13	1.13E+08	113413760	+	4.986E-20	1.1315E-18	0.285408	hyper	sig	chr13_113413760
chr11	1.3E+08	130189712	+	4.989E-20	1.1321E-18	-0.28916	hypo	sig	chr11_130189712
chr1	38476448	38476448	+	4.99E-20	1.1323E-18	0.263144	hyper	sig	chr1_38476448
chr16	1135985	1135985	+	4.991E-20	1.1325E-18	-0.33749	hypo	sig	chr16_1135985
chr3	27729904	27729904	+	4.995E-20	1.1333E-18	0.320027	hyper	sig	chr3_27729904
chr1	1.13E+08	112744533	+	4.996E-20	1.1335E-18	0.226214	hyper	sig	chr1_112744533
chr7	1.29E+08	128831515	+	4.999E-20	1.1341E-18	0.227191	hyper	sig	chr7_128831515
chr16	28880441	28880441	+	5.006E-20	1.1357E-18	0.269232	hyper	sig	chr16_28880441
chr9	1.22E+08	121698782	+	5.008E-20	1.1361E-18	0.342367	hyper	sig	chr9_121698782
chr3	1.47E+08	147410994	+	5.008E-20	1.1362E-18	0.288033	hyper	sig	chr3_147410994
chr15	70448124	70448124	+	5.009E-20	1.1364E-18	-0.27013	hypo	sig	chr15_70448124
chr13	99989125	99989125	+	5.013E-20	1.1372E-18	0.207632	hyper	sig	chr13_99989125
chr20	25084782	25084782	+	5.015E-20	1.1375E-18	0.305187	hyper	sig	chr20_25084782
chr19	19629034	19629034	+	5.016E-20	1.1377E-18	-0.26958	hypo	sig	chr19_19629034
chr15	45704386	45704386	+	5.019E-20	1.1385E-18	0.267362	hyper	sig	chr15_45704386
chr11	1.25E+08	125496717	+	5.02E-20	1.1386E-18	0.338089	hyper	sig	chr11_125496717
chr2	26171681	26171681	+	5.029E-20	1.1406E-18	0.298467	hyper	sig	chr2_26171681
chr5	88689772	88689772	+	5.031E-20	1.1411E-18	0.266106	hyper	sig	chr5_88689772
chr16	1145453	1145453	+	5.032E-20	1.1411E-18	-0.23776	hypo	sig	chr16_1145453
chr6	89885303	89885303	+	5.032E-20	1.1411E-18	-0.26684	hypo	sig	chr6_89885303
chr17	65228902	65228902	+	5.033E-20	1.1414E-18	-0.21158	hypo	sig	chr17_65228902
chr17	4969282	4969282	+	5.039E-20	1.1426E-18	0.273186	hyper	sig	chr17_4969282
chr11	44311522	44311522	+	5.045E-20	1.1441E-18	0.278501	hyper	sig	chr11_44311522
chr19	46653144	46653144	+	5.046E-20	1.1441E-18	-0.32031	hypo	sig	chr19_46653144
chr5	1.71E+08	171308757	+	5.049E-20	1.1447E-18	0.311939	hyper	sig	chr5_171308757
chr14	99246038	99246038	+	5.05E-20	1.1451E-18	0.279274	hyper	sig	chr14_99246038
chr13	1.08E+08	107868647	+	5.051E-20	1.1454E-18	0.326855	hyper	sig	chr13_107868647
chr5	2132222	2132222	+	5.056E-20	1.1464E-18	-0.36263	hypo	sig	chr5_2132222
chr2	1.13E+08	113275835	+	5.057E-20	1.1466E-18	0.274936	hyper	sig	chr2_113275835
chr10	1.02E+08	102460992	+	5.059E-20	1.147E-18	-0.2286	hypo	sig	chr10_102460992
chr7	54544698	54544698	+	5.061E-20	1.1473E-18	0.315838	hyper	sig	chr7_54544698
chr16	62036223	62036223	+	5.061E-20	1.1474E-18	0.282116	hyper	sig	chr16_62036223
chr16	86507850	86507850	+	5.063E-20	1.1478E-18	0.352148	hyper	sig	chr16_86507850
chr12	53945137	53945137	+	5.065E-20	1.1481E-18	0.279879	hyper	sig	chr12_53945137
chr2	1795804	1795804	+	5.069E-20	1.149E-18	-0.35241	hypo	sig	chr2_1795804
chr22	19892173	19892173	+	5.071E-20	1.1494E-18	-0.25689	hypo	sig	chr22_19892173
chr11	8168962	8168962	+	5.075E-20	1.1504E-18	0.259292	hyper	sig	chr11_8168962
chr22	24607532	24607532	+	5.088E-20	1.1532E-18	-0.26432	hypo	sig	chr22_24607532
chr7	1.44E+08	143882546	+	5.091E-20	1.1539E-18	0.472904	hyper	sig	chr7_143882546
chr17	45430123	45430123	+	5.092E-20	1.1541E-18	0.365689	hyper	sig	chr17_45430123
chr7	1.28E+08	128241291	+	5.093E-20	1.1542E-18	0.410822	hyper	sig	chr7_128241291
chr13	1.13E+08	113364848	+	5.098E-20	1.1552E-18	0.321594	hyper	sig	chr13_113364848
chr3	48656631	48656631	+	5.098E-20	1.1552E-18	0.23768	hyper	sig	chr3_48656631
chr3	1.61E+08	161104757	+	5.104E-20	1.1567E-18	0.248288	hyper	sig	chr3_161104757
chr10	81502670	81502670	+	5.109E-20	1.1577E-18	-0.25662	hypo	sig	chr10_81502670
chr14	28765980	28765980	+	5.109E-20	1.1577E-18	0.278815	hyper	sig	chr14_28765980
chr17	20547212	20547212	+	5.109E-20	1.1577E-18	-0.33681	hypo	sig	chr17_20547212
chr4	84481255	84481255	+	5.11E-20	1.1578E-18	0.210055	hyper	sig	chr4_84481255
chr3	11568668	11568668	+	5.111E-20	1.158E-18	0.283298	hyper	sig	chr3_11568668
chr8	1992239	1992239	+	5.111E-20	1.1581E-18	-0.21563	hypo	sig	chr8_1992239
chr8	55939287	55939287	+	5.113E-20	1.1584E-18	0.266792	hyper	sig	chr8_55939287
chr22	36410587	36410587	+	5.118E-20	1.1595E-18	-0.2771	hypo	sig	chr22_36410587
chr5	37838639	37838639	+	5.121E-20	1.1603E-18	0.208683	hyper	sig	chr5_37838639
chr13	1.12E+08	112053491	+	5.122E-20	1.1604E-18	0.313478	hyper	sig	chr13_112053491
chr20	62474879	62474879	+	5.123E-20	1.1605E-18	0.310567	hyper	sig	chr20_62474879

chr3	68931421	68931421	+	5.123E-20	1.1605E-18	0.254314	hyper	sig	chr3_68931421
chr2	1.76E+08	176078928	+	5.131E-20	1.1623E-18	0.288638	hyper	sig	chr2_176078928
chr17	64779582	64779582	+	5.136E-20	1.1634E-18	0.412035	hyper	sig	chr17_64779582
chr6	33205712	33205712	+	5.14E-20	1.1642E-18	-0.24117	hypo	sig	chr6_33205712
chr7	4135771	4135771	+	5.144E-20	1.165E-18	-0.23525	hypo	sig	chr7_4135771
chr6	32879925	32879925	+	5.148E-20	1.1661E-18	0.226666	hyper	sig	chr6_32879925
chr22	46539084	46539084	+	5.153E-20	1.167E-18	-0.21073	hypo	sig	chr22_46539084
chr14	94936832	94936832	+	5.16E-20	1.1685E-18	0.27299	hyper	sig	chr14_94936832
chr10	1.01E+08	101223746	+	5.161E-20	1.1689E-18	0.296292	hyper	sig	chr10_101223746
chr7	5479285	5479285	+	5.171E-20	1.171E-18	0.3213	hyper	sig	chr7_5479285
chr7	5287611	5287611	+	5.173E-20	1.1714E-18	-0.34557	hypo	sig	chr7_5287611
chr19	56393687	56393687	+	5.178E-20	1.1725E-18	0.277171	hyper	sig	chr19_56393687
chr5	1.41E+08	141173624	+	5.179E-20	1.1727E-18	0.321509	hyper	sig	chr5_141173624
chr20	63064433	63064433	+	5.181E-20	1.1731E-18	-0.29818	hypo	sig	chr20_63064433
chr5	1.41E+08	140871327	+	5.181E-20	1.1731E-18	0.334752	hyper	sig	chr5_140871327
chr9	1.19E+08	119369306	+	5.188E-20	1.1746E-18	0.468728	hyper	sig	chr9_119369306
chr2	1.83E+08	182866835	+	5.194E-20	1.1759E-18	0.249178	hyper	sig	chr2_182866835
chr6	1.67E+08	167421401	+	5.197E-20	1.1765E-18	-0.38301	hypo	sig	chr6_167421401
chr16	21531163	21531163	+	5.2E-20	1.1773E-18	-0.2061	hypo	sig	chr16_21531163
chr13	58958301	58958301	+	5.201E-20	1.1774E-18	-0.30981	hypo	sig	chr13_58958301
chr14	94774192	94774192	+	5.205E-20	1.1783E-18	0.300371	hyper	sig	chr14_94774192
chr7	1.59E+08	159037434	+	5.205E-20	1.1783E-18	-0.27351	hypo	sig	chr7_159037434
chr7	1.28E+08	128201699	+	5.206E-20	1.1785E-18	0.281439	hyper	sig	chr7_128201699
chr10	45427918	45427918	+	5.21E-20	1.1793E-18	0.362384	hyper	sig	chr10_45427918
chr2	2.4E+08	240350993	+	5.211E-20	1.1797E-18	0.349925	hyper	sig	chr2_240350993
chr7	43113834	43113834	+	5.212E-20	1.1797E-18	0.25871	hyper	sig	chr7_43113834
chr5	1.81E+08	180629301	+	5.212E-20	1.1797E-18	-0.31371	hypo	sig	chr5_180629301
chr2	12718471	12718471	+	5.213E-20	1.18E-18	0.202327	hyper	sig	chr2_12718471
chr1	52637622	52637622	+	5.214E-20	1.1801E-18	-0.28792	hypo	sig	chr1_52637622
chr17	58324262	58324262	+	5.214E-20	1.1801E-18	0.373243	hyper	sig	chr17_58324262
chr9	971757	971757	+	5.218E-20	1.181E-18	0.275335	hyper	sig	chr9_971757
chr15	43329726	43329726	+	5.221E-20	1.1815E-18	0.263084	hyper	sig	chr15_43329726
chr12	27243916	27243916	+	5.226E-20	1.1827E-18	-0.25184	hypo	sig	chr12_27243916
chr6	98832376	98832376	+	5.229E-20	1.1833E-18	0.257555	hyper	sig	chr6_98832376
chr12	1.33E+08	132908208	+	5.238E-20	1.1853E-18	0.233728	hyper	sig	chr12_132908208
chr10	49614612	49614612	+	5.239E-20	1.1856E-18	0.209638	hyper	sig	chr10_49614612
chr2	39585496	39585496	+	5.243E-20	1.1863E-18	-0.25576	hypo	sig	chr2_39585496
chr2	1.2E+08	120254014	+	5.244E-20	1.1866E-18	-0.2444	hypo	sig	chr2_120254014
chr11	61681544	61681544	+	5.249E-20	1.1876E-18	-0.32405	hypo	sig	chr11_61681544
chr13	1.14E+08	113533808	+	5.252E-20	1.1884E-18	0.255251	hyper	sig	chr13_113533808
chr16	3175085	3175085	+	5.252E-20	1.1884E-18	0.32402	hyper	sig	chr16_3175085
chr11	10729323	10729323	+	5.259E-20	1.1899E-18	0.246225	hyper	sig	chr11_10729323
chr8	11705478	11705478	+	5.259E-20	1.1899E-18	0.295364	hyper	sig	chr8_11705478
chr1	2248494	2248494	+	5.263E-20	1.1906E-18	-0.28994	hypo	sig	chr1_2248494
chr16	2082572	2082572	+	5.274E-20	1.1932E-18	0.222259	hyper	sig	chr16_2082572
chr5	1.41E+08	141393492	+	5.275E-20	1.1933E-18	0.256219	hyper	sig	chr5_141393492
chr19	33211130	33211130	+	5.278E-20	1.194E-18	-0.44	hypo	sig	chr19_33211130
chr17	1137382	1137382	+	5.281E-20	1.1947E-18	-0.3424	hypo	sig	chr17_1137382
chr1	2.28E+08	228464589	+	5.283E-20	1.1949E-18	0.233202	hyper	sig	chr1_228464589
chr5	1.46E+08	146338926	+	5.283E-20	1.1949E-18	0.28542	hyper	sig	chr5_146338926
chr13	21683904	21683904	+	5.295E-20	1.1976E-18	-0.27406	hypo	sig	chr13_21683904
chr2	45006389	45006389	+	5.295E-20	1.1976E-18	0.291123	hyper	sig	chr2_45006389
chr10	1.29E+08	129033144	+	5.299E-20	1.1985E-18	0.223825	hyper	sig	chr10_129033144
chr7	52668952	52668952	+	5.3E-20	1.1987E-18	-0.24323	hypo	sig	chr7_52668952
chr5	1.71E+08	171313901	+	5.305E-20	1.1997E-18	0.270954	hyper	sig	chr5_171313901
chr16	1941288	1941288	+	5.308E-20	1.2005E-18	-0.30399	hypo	sig	chr16_1941288

chr19	49433096	49433096	+	5.309E-20	1.2006E-18	0.411311	hyper	sig	chr19_49433096
chr7	27158094	27158094	+	5.314E-20	1.2017E-18	-0.25611	hypo	sig	chr7_27158094
chr8	1.16E+08	115667538	+	5.316E-20	1.2021E-18	0.307292	hyper	sig	chr8_115667538
chr1	1.44E+08	143652970	+	5.316E-20	1.2021E-18	0.3221	hyper	sig	chr1_143652970
chr17	7589777	7589777	+	5.316E-20	1.2021E-18	0.255131	hyper	sig	chr17_7589777
chr17	81148443	81148443	+	5.317E-20	1.2022E-18	-0.26407	hypo	sig	chr17_81148443
chr16	57802986	57802986	+	5.318E-20	1.2025E-18	0.365892	hyper	sig	chr16_57802986
chr3	1.97E+08	196978984	+	5.323E-20	1.2036E-18	0.268863	hyper	sig	chr3_196978984
chr7	1.58E+08	157854351	+	5.327E-20	1.2044E-18	-0.33558	hypo	sig	chr7_157854351
chr20	46558784	46558784	+	5.33E-20	1.2051E-18	-0.23148	hypo	sig	chr20_46558784
chr13	1.08E+08	107867979	+	5.347E-20	1.2088E-18	0.211184	hyper	sig	chr13_107867979
chr16	86566669	86566669	+	5.347E-20	1.2088E-18	0.294871	hyper	sig	chr16_86566669
chr22	39646601	39646601	+	5.347E-20	1.2088E-18	-0.35013	hypo	sig	chr22_39646601
chr11	2347407	2347407	+	5.348E-20	1.2089E-18	-0.25117	hypo	sig	chr11_2347407
chr7	24284951	24284951	+	5.354E-20	1.2102E-18	0.301681	hyper	sig	chr7_24284951
chr8	1.44E+08	144107646	+	5.354E-20	1.2103E-18	0.286244	hyper	sig	chr8_144107646
chr11	46296012	46296012	+	5.356E-20	1.2108E-18	0.361657	hyper	sig	chr11_46296012
chr6	50836455	50836455	+	5.36E-20	1.2116E-18	0.24336	hyper	sig	chr6_50836455
chr16	31330158	31330158	+	5.364E-20	1.2123E-18	0.323617	hyper	sig	chr16_31330158
chr6	27423068	27423068	+	5.367E-20	1.2131E-18	0.304037	hyper	sig	chr6_27423068
chr5	1552921	1552921	+	5.373E-20	1.2144E-18	0.259563	hyper	sig	chr5_1552921
chr3	1.49E+08	149377496	+	5.374E-20	1.2145E-18	-0.31082	hypo	sig	chr3_149377496
chr9	1.29E+08	129438771	+	5.377E-20	1.2153E-18	-0.32848	hypo	sig	chr9_129438771
chr6	1.67E+08	167267925	+	5.384E-20	1.2168E-18	-0.2879	hypo	sig	chr6_167267925
chr6	30127504	30127504	+	5.388E-20	1.2176E-18	0.26754	hyper	sig	chr6_30127504
chr10	1.24E+08	123666097	+	5.391E-20	1.2182E-18	0.319603	hyper	sig	chr10_123666097
chr16	29877408	29877408	+	5.4E-20	1.2203E-18	0.261357	hyper	sig	chr16_29877408
chr8	1.04E+08	103500901	+	5.401E-20	1.2205E-18	0.257147	hyper	sig	chr8_103500901
chr15	70448141	70448141	+	5.405E-20	1.2213E-18	-0.2629	hypo	sig	chr15_70448141
chr2	10525622	10525622	+	5.406E-20	1.2216E-18	-0.28144	hypo	sig	chr2_10525622
chr20	23048427	23048427	+	5.407E-20	1.2216E-18	0.352593	hyper	sig	chr20_23048427
chr8	24955558	24955558	+	5.413E-20	1.2229E-18	0.207004	hyper	sig	chr8_24955558
chr7	1E+08	100177935	+	5.415E-20	1.2234E-18	0.325084	hyper	sig	chr7_100177935
chr12	1.24E+08	123909366	+	5.416E-20	1.2235E-18	-0.29089	hypo	sig	chr12_123909366
chr1	6520107	6520107	+	5.417E-20	1.2238E-18	0.268688	hyper	sig	chr1_6520107
chr12	1.2E+08	119804182	+	5.419E-20	1.2242E-18	0.329285	hyper	sig	chr12_119804182
chr11	27234229	27234229	+	5.42E-20	1.2244E-18	-0.22575	hypo	sig	chr11_27234229
chr6	50708057	50708057	+	5.424E-20	1.2253E-18	0.327005	hyper	sig	chr6_50708057
chr1	14910764	14910764	+	5.425E-20	1.2255E-18	-0.29944	hypo	sig	chr1_14910764
chr11	64972040	64972040	+	5.426E-20	1.2257E-18	0.284072	hyper	sig	chr11_64972040
chr5	44389289	44389289	+	5.427E-20	1.2258E-18	0.329866	hyper	sig	chr5_44389289
chr5	77851210	77851210	+	5.439E-20	1.2284E-18	0.337963	hyper	sig	chr5_77851210
chr8	90984834	90984834	+	5.439E-20	1.2284E-18	0.303345	hyper	sig	chr8_90984834
chr16	55874958	55874958	+	5.44E-20	1.2286E-18	-0.26789	hypo	sig	chr16_55874958
chr5	32712985	32712985	+	5.445E-20	1.2299E-18	0.293537	hyper	sig	chr5_32712985
chr19	56403398	56403398	+	5.45E-20	1.2309E-18	0.287448	hyper	sig	chr19_56403398
chr3	1.82E+08	181723805	+	5.452E-20	1.2312E-18	0.255806	hyper	sig	chr3_181723805
chr9	1.22E+08	122226441	+	5.454E-20	1.2318E-18	0.32107	hyper	sig	chr9_122226441
chr7	6616053	6616053	+	5.455E-20	1.2318E-18	0.288484	hyper	sig	chr7_6616053
chr19	23075297	23075297	+	5.456E-20	1.232E-18	0.21551	hyper	sig	chr19_23075297
chr21	45875287	45875287	+	5.457E-20	1.2324E-18	0.344689	hyper	sig	chr21_45875287
chr14	28765965	28765965	+	5.46E-20	1.2329E-18	0.260833	hyper	sig	chr14_28765965
chr13	29480305	29480305	+	5.463E-20	1.2336E-18	-0.32657	hypo	sig	chr13_29480305
chr11	9760325	9760325	+	5.465E-20	1.234E-18	0.333479	hyper	sig	chr11_9760325
chr6	10882847	10882847	+	5.477E-20	1.2367E-18	0.255159	hyper	sig	chr6_10882847
chr7	91265785	91265785	+	5.479E-20	1.2371E-18	0.297374	hyper	sig	chr7_91265785

chr16	3257392	3257392	+	5.48E-20	1.2373E-18	-0.33335	hypo	sig	chr16_3257392
chr22	29887589	29887589	+	5.481E-20	1.2374E-18	0.262082	hyper	sig	chr22_29887589
chr4	3385639	3385639	+	5.489E-20	1.2393E-18	-0.29705	hypo	sig	chr4_3385639
chr4	42152831	42152831	+	5.49E-20	1.2395E-18	0.261161	hyper	sig	chr4_42152831
chr1	27668370	27668370	+	5.491E-20	1.2397E-18	0.291624	hyper	sig	chr1_27668370
chr12	64390688	64390688	+	5.491E-20	1.2397E-18	0.286925	hyper	sig	chr12_64390688
chr13	87676216	87676216	+	5.492E-20	1.2397E-18	-0.31952	hypo	sig	chr13_87676216
chr10	23192520	23192520	+	5.494E-20	1.2402E-18	0.346069	hyper	sig	chr10_23192520
chr11	67650894	67650894	+	5.494E-20	1.2402E-18	-0.21199	hypo	sig	chr11_67650894
chr5	1.41E+08	141373969	+	5.499E-20	1.2412E-18	0.276276	hyper	sig	chr5_141373969
chr1	1.83E+08	183416919	+	5.506E-20	1.2426E-18	0.253915	hyper	sig	chr1_183416919
chr17	31696366	31696366	+	5.513E-20	1.2442E-18	0.312972	hyper	sig	chr17_31696366
chr12	64390729	64390729	+	5.517E-20	1.2451E-18	0.288262	hyper	sig	chr12_64390729
chr8	9324742	9324742	+	5.518E-20	1.2453E-18	-0.23564	hypo	sig	chr8_9324742
chr2	86789136	86789136	+	5.522E-20	1.2461E-18	0.293679	hyper	sig	chr2_86789136
chr20	45316646	45316646	+	5.528E-20	1.2475E-18	0.385258	hyper	sig	chr20_45316646
chr22	46374586	46374586	+	5.533E-20	1.2485E-18	-0.34034	hypo	sig	chr22_46374586
chr14	36513528	36513528	+	5.534E-20	1.2487E-18	0.343817	hyper	sig	chr14_36513528
chr17	42784565	42784565	+	5.54E-20	1.2499E-18	0.26088	hyper	sig	chr17_42784565
chr1	2.33E+08	232870682	+	5.542E-20	1.2503E-18	0.252811	hyper	sig	chr1_232870682
chr6	1.5E+08	150037789	+	5.545E-20	1.251E-18	0.222085	hyper	sig	chr6_150037789
chr16	85181938	85181938	+	5.546E-20	1.2512E-18	-0.28851	hypo	sig	chr16_85181938
chr14	1.04E+08	103519887	+	5.549E-20	1.2518E-18	0.234112	hyper	sig	chr14_103519887
chr10	1.16E+08	116273319	+	5.553E-20	1.2528E-18	0.272997	hyper	sig	chr10_116273319
chr4	54109634	54109634	+	5.553E-20	1.2528E-18	0.320029	hyper	sig	chr4_54109634
chr6	27268074	27268074	+	5.553E-20	1.2528E-18	0.255742	hyper	sig	chr6_27268074
chr9	1.24E+08	124013042	+	5.555E-20	1.2532E-18	0.288196	hyper	sig	chr9_124013042
chr8	74984836	74984836	+	5.566E-20	1.2556E-18	0.25612	hyper	sig	chr8_74984836
chr2	75196524	75196524	+	5.57E-20	1.2564E-18	-0.26778	hypo	sig	chr2_75196524
chr8	52564757	52564757	+	5.57E-20	1.2564E-18	0.259011	hyper	sig	chr8_52564757
chr14	92322586	92322586	+	5.582E-20	1.2589E-18	0.30543	hyper	sig	chr14_92322586
chr1	6330535	6330535	+	5.582E-20	1.2589E-18	0.254238	hyper	sig	chr1_6330535
chr11	6655281	6655281	+	5.585E-20	1.2597E-18	0.236762	hyper	sig	chr11_6655281
chr13	1.12E+08	112057695	+	5.586E-20	1.2597E-18	0.302974	hyper	sig	chr13_112057695
chr7	1.5E+08	150221154	+	5.595E-20	1.2618E-18	0.259034	hyper	sig	chr7_150221154
chr2	1.71E+08	170820313	+	5.601E-20	1.263E-18	0.277425	hyper	sig	chr2_170820313
chr7	1.55E+08	155373068	+	5.601E-20	1.263E-18	0.352313	hyper	sig	chr7_155373068
chr10	1.33E+08	132868400	+	5.605E-20	1.2639E-18	-0.33856	hypo	sig	chr10_132868400
chr14	1.03E+08	102893828	+	5.607E-20	1.2644E-18	0.255444	hyper	sig	chr14_102893828
chr16	85329542	85329542	+	5.608E-20	1.2646E-18	-0.2621	hypo	sig	chr16_85329542
chr20	63521714	63521714	+	5.61E-20	1.265E-18	0.273896	hyper	sig	chr20_63521714
chr10	1.3E+08	129969760	+	5.612E-20	1.2654E-18	0.253939	hyper	sig	chr10_129969760
chr4	7194739	7194739	+	5.615E-20	1.266E-18	-0.2792	hypo	sig	chr4_7194739
chr7	45922290	45922290	+	5.616E-20	1.2662E-18	0.208795	hyper	sig	chr7_45922290
chr20	21020529	21020529	+	5.616E-20	1.2662E-18	0.302069	hyper	sig	chr20_21020529
chr2	1.21E+08	120658381	+	5.626E-20	1.2683E-18	-0.29828	hypo	sig	chr2_120658381
chr16	2082635	2082635	+	5.631E-20	1.2695E-18	0.301999	hyper	sig	chr16_2082635
chr1	1.56E+08	156139555	+	5.632E-20	1.2696E-18	0.331936	hyper	sig	chr1_156139555
chr14	1.04E+08	103712787	+	5.633E-20	1.2698E-18	0.314553	hyper	sig	chr14_103712787
chr10	11164357	11164357	+	5.635E-20	1.2702E-18	0.319429	hyper	sig	chr10_11164357
chr19	16191262	16191262	+	5.635E-20	1.2703E-18	0.272123	hyper	sig	chr19_16191262
chr10	8055368	8055368	+	5.636E-20	1.2703E-18	0.284253	hyper	sig	chr10_8055368
chr8	46244803	46244803	+	5.639E-20	1.271E-18	-0.33318	hypo	sig	chr8_46244803
chr22	44729797	44729797	+	5.64E-20	1.2711E-18	0.317069	hyper	sig	chr22_44729797
chr1	1.14E+08	114154747	+	5.644E-20	1.2722E-18	0.280328	hyper	sig	chr1_114154747
chr12	27969417	27969417	+	5.646E-20	1.2725E-18	0.202976	hyper	sig	chr12_27969417

chr2	98346511	98346511	+	5.653E-20	1.2741E-18	0.329576	hyper	sig	chr2_98346511
chr7	1.22E+08	122310488	+	5.656E-20	1.2748E-18	0.202478	hyper	sig	chr7_122310488
chr11	61334753	61334753	+	5.668E-20	1.2773E-18	-0.3216	hypo	sig	chr11_61334753
chr17	78505299	78505299	+	5.672E-20	1.2782E-18	-0.28104	hypo	sig	chr17_78505299
chr7	85186612	85186612	+	5.676E-20	1.2792E-18	0.273929	hyper	sig	chr7_85186612
chr11	79439004	79439004	+	5.682E-20	1.2803E-18	0.225667	hyper	sig	chr11_79439004
chr5	77643758	77643758	+	5.682E-20	1.2804E-18	0.264161	hyper	sig	chr5_77643758
chr5	1.46E+08	146339429	+	5.691E-20	1.2823E-18	0.304395	hyper	sig	chr5_146339429
chr14	74240258	74240258	+	5.693E-20	1.2827E-18	0.209621	hyper	sig	chr14_74240258
chr7	23245478	23245478	+	5.7E-20	1.2842E-18	-0.25019	hypo	sig	chr7_23245478
chr4	1.55E+08	155376813	+	5.711E-20	1.2866E-18	0.210593	hyper	sig	chr4_155376813
chr2	66444612	66444612	+	5.712E-20	1.2867E-18	0.278348	hyper	sig	chr2_66444612
chr2	25166171	25166171	+	5.712E-20	1.2868E-18	-0.27827	hypo	sig	chr2_25166171
chr7	1.5E+08	150322810	+	5.713E-20	1.2869E-18	-0.37937	hypo	sig	chr7_150322810
chr22	46661669	46661669	+	5.718E-20	1.288E-18	-0.2766	hypo	sig	chr22_46661669
chr6	10337561	10337561	+	5.722E-20	1.2888E-18	-0.29883	hypo	sig	chr6_10337561
chr1	92481183	92481183	+	5.727E-20	1.2899E-18	0.27808	hyper	sig	chr1_92481183
chr1	1.13E+08	112744525	+	5.73E-20	1.2906E-18	0.23175	hyper	sig	chr1_112744525
chr16	4680412	4680412	+	5.732E-20	1.291E-18	-0.28897	hypo	sig	chr16_4680412
chr7	1.51E+08	150736989	+	5.737E-20	1.2922E-18	-0.28556	hypo	sig	chr7_150736989
chr2	2.19E+08	219419673	+	5.738E-20	1.2923E-18	0.245029	hyper	sig	chr2_219419673
chr10	26217612	26217612	+	5.741E-20	1.293E-18	0.33872	hyper	sig	chr10_26217612
chr17	77282083	77282083	+	5.742E-20	1.2931E-18	-0.27279	hypo	sig	chr17_77282083
chr1	2.43E+08	242523405	+	5.744E-20	1.2935E-18	0.347041	hyper	sig	chr1_242523405
chr4	41880596	41880596	+	5.745E-20	1.2938E-18	0.269779	hyper	sig	chr4_41880596
chr5	1243670	1243670	+	5.75E-20	1.2948E-18	0.219309	hyper	sig	chr5_1243670
chr7	1.28E+08	128254556	+	5.752E-20	1.2953E-18	-0.24682	hypo	sig	chr7_128254556
chr13	57629984	57629984	+	5.753E-20	1.2955E-18	0.343177	hyper	sig	chr13_57629984
chr1	15214787	15214787	+	5.756E-20	1.2962E-18	0.263376	hyper	sig	chr1_15214787
chr15	70448121	70448121	+	5.769E-20	1.2989E-18	-0.23528	hypo	sig	chr15_70448121
chr21	45286794	45286794	+	5.769E-20	1.299E-18	0.302078	hyper	sig	chr21_45286794
chr2	44932918	44932918	+	5.77E-20	1.299E-18	0.373318	hyper	sig	chr2_44932918
chr2	1.19E+08	119157052	+	5.77E-20	1.299E-18	0.30802	hyper	sig	chr2_119157052
chr7	24283597	24283597	+	5.77E-20	1.2991E-18	0.310481	hyper	sig	chr7_24283597
chr5	1.59E+08	159105467	+	5.771E-20	1.2991E-18	0.350412	hyper	sig	chr5_159105467
chr2	1.37E+08	136765131	+	5.771E-20	1.2993E-18	0.282003	hyper	sig	chr2_136765131
chr6	43143131	43143131	+	5.779E-20	1.3009E-18	0.329748	hyper	sig	chr6_43143131
chr7	1.5E+08	150047396	+	5.779E-20	1.3009E-18	0.332863	hyper	sig	chr7_150047396
chr1	15756684	15756684	+	5.786E-20	1.3024E-18	-0.26938	hypo	sig	chr1_15756684
chr3	1.85E+08	184564932	+	5.79E-20	1.3033E-18	-0.2658	hypo	sig	chr3_184564932
chr17	47867088	47867088	+	5.793E-20	1.3039E-18	0.275246	hyper	sig	chr17_47867088
chr10	5546196	5546196	+	5.795E-20	1.3042E-18	-0.28411	hypo	sig	chr10_5546196
chr4	1.33E+08	133149206	+	5.797E-20	1.3048E-18	0.261937	hyper	sig	chr4_133149206
chr5	1.41E+08	141431245	+	5.798E-20	1.3048E-18	0.268448	hyper	sig	chr5_141431245
chr14	36663395	36663395	+	5.798E-20	1.305E-18	0.301972	hyper	sig	chr14_36663395
chr13	27793130	27793130	+	5.802E-20	1.3057E-18	0.429779	hyper	sig	chr13_27793130
chr7	54638247	54638247	+	5.811E-20	1.3077E-18	-0.27307	hypo	sig	chr7_54638247
chr10	23175114	23175114	+	5.814E-20	1.3084E-18	0.312826	hyper	sig	chr10_23175114
chr11	19714130	19714130	+	5.815E-20	1.3086E-18	0.232143	hyper	sig	chr11_19714130
chr7	1.51E+08	151013325	+	5.818E-20	1.3091E-18	0.29173	hyper	sig	chr7_151013325
chr20	21703799	21703799	+	5.819E-20	1.3094E-18	0.323437	hyper	sig	chr20_21703799
chr19	5681343	5681343	+	5.83E-20	1.3117E-18	0.29746	hyper	sig	chr19_5681343
chr13	1.12E+08	112092773	+	5.831E-20	1.3121E-18	-0.29617	hypo	sig	chr13_112092773
chr5	1.41E+08	140848921	+	5.839E-20	1.3137E-18	0.348342	hyper	sig	chr5_140848921
chr14	93713527	93713527	+	5.851E-20	1.3163E-18	-0.28051	hypo	sig	chr14_93713527
chr17	81400723	81400723	+	5.859E-20	1.3181E-18	0.265078	hyper	sig	chr17_81400723

chr7	983371	983371	+	5.86E-20	1.3184E-18	0.24392	hyper	sig	chr7_983371
chr5	1.41E+08	140843436	+	5.86E-20	1.3184E-18	0.307003	hyper	sig	chr5_140843436
chr9	3181033	3181033	+	5.862E-20	1.3187E-18	0.223366	hyper	sig	chr9_3181033
chr2	26847485	26847485	+	5.865E-20	1.3193E-18	0.243988	hyper	sig	chr2_26847485
chr1	90719669	90719669	+	5.868E-20	1.32E-18	0.352287	hyper	sig	chr1_90719669
chr6	72621939	72621939	+	5.877E-20	1.322E-18	0.210313	hyper	sig	chr6_72621939
chr20	23049544	23049544	+	5.882E-20	1.3232E-18	0.25013	hyper	sig	chr20_23049544
chr6	50836434	50836434	+	5.883E-20	1.3233E-18	0.256845	hyper	sig	chr6_50836434
chr19	40568151	40568151	+	5.884E-20	1.3235E-18	0.255503	hyper	sig	chr19_40568151
chr22	38214518	38214518	+	5.885E-20	1.3236E-18	0.30985	hyper	sig	chr22_38214518
chr21	44912132	44912132	+	5.897E-20	1.3264E-18	-0.26147	hypo	sig	chr21_44912132
chr9	35859159	35859159	+	5.904E-20	1.3277E-18	-0.21294	hypo	sig	chr9_35859159
chr7	1.22E+08	122300332	+	5.909E-20	1.3289E-18	0.33771	hyper	sig	chr7_122300332
chr11	1558094	1558094	+	5.911E-20	1.3292E-18	0.259131	hyper	sig	chr11_1558094
chr2	2.4E+08	239678246	+	5.913E-20	1.3296E-18	-0.3079	hypo	sig	chr2_239678246
chr16	1534555	1534555	+	5.914E-20	1.3298E-18	0.274952	hyper	sig	chr16_1534555
chr13	36213815	36213815	+	5.925E-20	1.3322E-18	-0.24452	hypo	sig	chr13_36213815
chr5	1.59E+08	159100699	+	5.93E-20	1.3334E-18	0.253929	hyper	sig	chr5_159100699
chr3	44022344	44022344	+	5.939E-20	1.3354E-18	0.273703	hyper	sig	chr3_44022344
chr7	1.58E+08	158141034	+	5.944E-20	1.3365E-18	-0.27394	hypo	sig	chr7_158141034
chr1	1.57E+08	156657115	+	5.946E-20	1.3369E-18	0.247215	hyper	sig	chr1_156657115
chr7	76259911	76259911	+	5.949E-20	1.3376E-18	0.280818	hyper	sig	chr7_76259911
chr20	45097931	45097931	+	5.951E-20	1.3379E-18	0.295085	hyper	sig	chr20_45097931
chr19	2546859	2546859	+	5.952E-20	1.3381E-18	-0.26714	hypo	sig	chr19_2546859
chr8	23707173	23707173	+	5.957E-20	1.3391E-18	0.272192	hyper	sig	chr8_23707173
chr5	1.78E+08	178449829	+	5.963E-20	1.3404E-18	-0.21957	hypo	sig	chr5_178449829
chr12	47755417	47755417	+	5.972E-20	1.3424E-18	-0.24586	hypo	sig	chr12_47755417
chr16	88176985	88176985	+	5.978E-20	1.3437E-18	-0.26648	hypo	sig	chr16_88176985
chr1	1.57E+08	156646998	+	5.979E-20	1.3439E-18	0.328023	hyper	sig	chr1_156646998
chr13	87677425	87677425	+	5.98E-20	1.3441E-18	0.421972	hyper	sig	chr13_87677425
chr2	1.42E+08	142130258	+	5.982E-20	1.3445E-18	0.232849	hyper	sig	chr2_142130258
chr16	86370817	86370817	+	5.984E-20	1.3449E-18	-0.3202	hypo	sig	chr16_86370817
chr10	86367625	86367625	+	5.984E-20	1.3449E-18	0.28903	hyper	sig	chr10_86367625
chr7	3979551	3979551	+	5.992E-20	1.3466E-18	-0.35539	hypo	sig	chr7_3979551
chr1	1.46E+08	146486634	+	5.998E-20	1.3478E-18	0.392354	hyper	sig	chr1_146486634
chr13	57629955	57629955	+	5.998E-20	1.3478E-18	0.314279	hyper	sig	chr13_57629955
chr19	31354583	31354583	+	5.998E-20	1.3478E-18	-0.31176	hypo	sig	chr19_31354583
chr12	54053812	54053812	+	6.021E-20	1.3531E-18	0.239638	hyper	sig	chr12_54053812
chr4	1.25E+08	125317102	+	6.021E-20	1.3531E-18	0.250265	hyper	sig	chr4_125317102
chr3	1.57E+08	157120424	+	6.023E-20	1.3534E-18	-0.27032	hypo	sig	chr3_157120424
chr3	1.47E+08	147380758	+	6.025E-20	1.3537E-18	0.226126	hyper	sig	chr3_147380758
chr8	1.43E+08	142777165	+	6.025E-20	1.3537E-18	0.265925	hyper	sig	chr8_142777165
chr5	1.29E+08	128965514	+	6.028E-20	1.3544E-18	0.242457	hyper	sig	chr5_128965514
chr1	8212273	8212273	+	6.043E-20	1.3578E-18	-0.39216	hypo	sig	chr1_8212273
chr5	1.79E+08	179195603	+	6.044E-20	1.3578E-18	-0.33896	hypo	sig	chr5_179195603
chr5	1.41E+08	141485119	+	6.046E-20	1.3584E-18	0.27987	hyper	sig	chr5_141485119
chr10	68562130	68562130	+	6.061E-20	1.3616E-18	0.33847	hyper	sig	chr10_68562130
chr1	2291047	2291047	+	6.064E-20	1.3623E-18	0.2792	hyper	sig	chr1_2291047
chr4	1.74E+08	173526997	+	6.069E-20	1.3634E-18	0.312638	hyper	sig	chr4_173526997
chr5	69415692	69415692	+	6.072E-20	1.3641E-18	-0.3345	hypo	sig	chr5_69415692
chr1	1.51E+08	150982396	+	6.08E-20	1.3658E-18	-0.27696	hypo	sig	chr1_150982396
chr4	1405463	1405463	+	6.081E-20	1.3659E-18	0.344907	hyper	sig	chr4_1405463
chr19	11208751	11208751	+	6.084E-20	1.3667E-18	0.253264	hyper	sig	chr19_11208751
chr12	29784377	29784377	+	6.088E-20	1.3674E-18	0.3333	hyper	sig	chr12_29784377
chr12	1.1E+08	109833166	+	6.088E-20	1.3675E-18	0.215187	hyper	sig	chr12_109833166
chr12	1.15E+08	114696741	+	6.096E-20	1.3691E-18	0.260141	hyper	sig	chr12_114696741

chr7	20794683	20794683	+	6.097E-20	1.3692E-18	0.337907	hyper	sig	chr7_20794683
chr2	1.27E+08	126774812	+	6.098E-20	1.3695E-18	-0.24236	hypo	sig	chr2_126774812
chr1	1.13E+08	112854658	+	6.1E-20	1.37E-18	0.266302	hyper	sig	chr1_112854658
chr2	1602118	1602118	+	6.107E-20	1.3714E-18	0.2032	hyper	sig	chr2_1602118
chr7	1.07E+08	107386445	+	6.119E-20	1.3741E-18	0.307835	hyper	sig	chr7_107386445
chr6	1.46E+08	146029427	+	6.12E-20	1.3742E-18	0.317629	hyper	sig	chr6_146029427
chr11	89864438	89864438	+	6.121E-20	1.3744E-18	0.340074	hyper	sig	chr11_89864438
chr9	1.22E+08	121739683	+	6.124E-20	1.3752E-18	0.377571	hyper	sig	chr9_121739683
chr3	1.73E+08	173398234	+	6.13E-20	1.3764E-18	0.212184	hyper	sig	chr3_173398234
chr5	1.76E+08	175796510	+	6.134E-20	1.3773E-18	0.316043	hyper	sig	chr5_175796510
chr5	1.41E+08	141101963	+	6.137E-20	1.3779E-18	0.288952	hyper	sig	chr5_141101963
chr3	1.38E+08	137770861	+	6.137E-20	1.378E-18	0.319328	hyper	sig	chr3_137770861
chr10	1.25E+08	124545550	+	6.147E-20	1.38E-18	-0.31027	hypo	sig	chr10_124545550
chr6	49713520	49713520	+	6.147E-20	1.38E-18	0.269783	hyper	sig	chr6_49713520
chr5	1882897	1882897	+	6.16E-20	1.383E-18	0.302618	hyper	sig	chr5_1882897
chr3	1.97E+08	196978928	+	6.166E-20	1.3842E-18	0.2629	hyper	sig	chr3_196978928
chr17	38918697	38918697	+	6.166E-20	1.3843E-18	0.254697	hyper	sig	chr17_38918697
chr1	1.47E+08	147050867	+	6.172E-20	1.3855E-18	-0.25931	hypo	sig	chr1_147050867
chr7	96992916	96992916	+	6.174E-20	1.3858E-18	0.415378	hyper	sig	chr7_96992916
chr1	37033282	37033282	+	6.177E-20	1.3866E-18	0.204877	hyper	sig	chr1_37033282
chr13	1.12E+08	112439933	+	6.177E-20	1.3866E-18	-0.27306	hypo	sig	chr13_112439933
chr13	57631006	57631006	+	6.18E-20	1.3872E-18	0.350127	hyper	sig	chr13_57631006
chr3	11225412	11225412	+	6.187E-20	1.3886E-18	-0.23285	hypo	sig	chr3_11225412
chr3	1.47E+08	147391166	+	6.193E-20	1.39E-18	0.272945	hyper	sig	chr3_147391166
chr11	1.29E+08	128690389	+	6.194E-20	1.3901E-18	0.343001	hyper	sig	chr11_128690389
chr8	71558223	71558223	+	6.194E-20	1.3901E-18	0.273931	hyper	sig	chr8_71558223
chr11	1.06E+08	105610630	+	6.2E-20	1.3915E-18	0.221442	hyper	sig	chr11_105610630
chr7	27129391	27129391	+	6.204E-20	1.3923E-18	0.239745	hyper	sig	chr7_27129391
chr12	1.3E+08	130014196	+	6.208E-20	1.3931E-18	0.205452	hyper	sig	chr12_130014196
chr3	48661886	48661886	+	6.208E-20	1.3932E-18	0.211981	hyper	sig	chr3_48661886
chr5	1.75E+08	175444470	+	6.21E-20	1.3934E-18	0.227173	hyper	sig	chr5_175444470
chr5	1.41E+08	140795263	+	6.213E-20	1.3941E-18	0.314217	hyper	sig	chr5_140795263
chr20	885137	885137	+	6.218E-20	1.3951E-18	0.207391	hyper	sig	chr20_885137
chr2	1.2E+08	120346523	+	6.219E-20	1.3954E-18	0.316287	hyper	sig	chr2_120346523
chr7	20776780	20776780	+	6.222E-20	1.3959E-18	0.325401	hyper	sig	chr7_20776780
chr11	1.13E+08	112797812	+	6.229E-20	1.3975E-18	-0.30972	hypo	sig	chr11_112797812
chr5	88684511	88684511	+	6.231E-20	1.3979E-18	0.300946	hyper	sig	chr5_88684511
chr12	54079664	54079664	+	6.236E-20	1.399E-18	0.293408	hyper	sig	chr12_54079664
chr10	55631295	55631295	+	6.239E-20	1.3996E-18	0.360685	hyper	sig	chr10_55631295
chr4	3766848	3766848	+	6.24E-20	1.3999E-18	0.285514	hyper	sig	chr4_3766848
chr10	23191779	23191779	+	6.248E-20	1.4016E-18	0.239495	hyper	sig	chr10_23191779
chr10	1.01E+08	100659546	+	6.249E-20	1.4019E-18	0.309096	hyper	sig	chr10_100659546
chr2	1.42E+08	142130249	+	6.253E-20	1.4026E-18	0.232234	hyper	sig	chr2_142130249
chr18	47931932	47931932	+	6.255E-20	1.403E-18	-0.30442	hypo	sig	chr18_47931932
chr2	2.02E+08	202171512	+	6.257E-20	1.4034E-18	0.256369	hyper	sig	chr2_202171512
chr9	36169178	36169178	+	6.262E-20	1.4044E-18	-0.32197	hypo	sig	chr9_36169178
chr8	48735598	48735598	+	6.268E-20	1.4059E-18	0.254006	hyper	sig	chr8_48735598
chr16	88432735	88432735	+	6.271E-20	1.4064E-18	-0.32501	hypo	sig	chr16_88432735
chr3	1.47E+08	147392562	+	6.274E-20	1.4071E-18	0.332039	hyper	sig	chr3_147392562
chr9	89695569	89695569	+	6.276E-20	1.4075E-18	-0.33486	hypo	sig	chr9_89695569
chr1	9400796	9400796	+	6.284E-20	1.4093E-18	-0.30403	hypo	sig	chr1_9400796
chr13	20224595	20224595	+	6.297E-20	1.4121E-18	-0.34491	hypo	sig	chr13_20224595
chr5	1.42E+08	142322883	+	6.301E-20	1.4129E-18	-0.32535	hypo	sig	chr5_142322883
chr3	79767244	79767244	+	6.308E-20	1.4145E-18	0.385773	hyper	sig	chr3_79767244
chr2	2.19E+08	218994271	+	6.315E-20	1.416E-18	0.284995	hyper	sig	chr2_218994271
chr13	27821917	27821917	+	6.317E-20	1.4164E-18	0.200978	hyper	sig	chr13_27821917

chr13	1.13E+08	113495908	+	6.317E-20	1.4164E-18	0.308596	hyper	sig	chr13_113495908
chr17	43781800	43781800	+	6.324E-20	1.4178E-18	-0.27554	hypo	sig	chr17_43781800
chr9	1.35E+08	134787296	+	6.328E-20	1.4187E-18	-0.26365	hypo	sig	chr9_134787296
chr8	1E+08	100303196	+	6.33E-20	1.4191E-18	-0.31107	hypo	sig	chr8_100303196
chr5	1.23E+08	123085900	+	6.33E-20	1.4192E-18	-0.3231	hypo	sig	chr5_123085900
chr5	1.46E+08	146337684	+	6.334E-20	1.4199E-18	0.393811	hyper	sig	chr5_146337684
chr16	72947700	72947700	+	6.336E-20	1.4205E-18	0.390317	hyper	sig	chr16_72947700
chr2	23620786	23620786	+	6.34E-20	1.4213E-18	0.368426	hyper	sig	chr2_23620786
chr7	97024799	97024799	+	6.346E-20	1.4226E-18	0.220932	hyper	sig	chr7_97024799
chr5	1.41E+08	141409876	+	6.35E-20	1.4235E-18	0.328491	hyper	sig	chr5_141409876
chr1	1.19E+08	118983713	+	6.355E-20	1.4243E-18	0.304372	hyper	sig	chr1_118983713
chr22	50267527	50267527	+	6.358E-20	1.4252E-18	0.510066	hyper	sig	chr22_50267527
chr4	1405445	1405445	+	6.361E-20	1.4257E-18	0.344516	hyper	sig	chr4_1405445
chr10	16519630	16519630	+	6.362E-20	1.4257E-18	0.30697	hyper	sig	chr10_16519630
chr8	48735476	48735476	+	6.363E-20	1.4259E-18	0.266426	hyper	sig	chr8_48735476
chr3	1.38E+08	137771861	+	6.369E-20	1.4272E-18	0.215353	hyper	sig	chr3_137771861
chr20	24470062	24470062	+	6.379E-20	1.4295E-18	0.289464	hyper	sig	chr20_24470062
chr6	1.08E+08	108115064	+	6.383E-20	1.4303E-18	0.24561	hyper	sig	chr6_108115064
chr19	49196652	49196652	+	6.393E-20	1.4325E-18	0.347301	hyper	sig	chr19_49196652
chr17	74351797	74351797	+	6.394E-20	1.4327E-18	0.313578	hyper	sig	chr17_74351797
chr7	27103966	27103966	+	6.398E-20	1.4335E-18	0.334519	hyper	sig	chr7_27103966
chr19	42074770	42074770	+	6.403E-20	1.4347E-18	-0.20376	hypo	sig	chr19_42074770
chr14	1.06E+08	105558713	+	6.403E-20	1.4347E-18	-0.30731	hypo	sig	chr14_105558713
chr4	1.47E+08	146637392	+	6.41E-20	1.4361E-18	0.293044	hyper	sig	chr4_146637392
chr11	68797009	68797009	+	6.424E-20	1.4393E-18	0.224844	hyper	sig	chr11_68797009
chr13	25097657	25097657	+	6.427E-20	1.4399E-18	-0.2907	hypo	sig	chr13_25097657
chr5	15500655	15500655	+	6.429E-20	1.4402E-18	0.253622	hyper	sig	chr5_15500655
chr11	69086429	69086429	+	6.43E-20	1.4403E-18	0.289481	hyper	sig	chr11_69086429
chr14	53952902	53952902	+	6.439E-20	1.4423E-18	0.431783	hyper	sig	chr14_53952902
chr7	37448647	37448647	+	6.44E-20	1.4426E-18	0.344838	hyper	sig	chr7_37448647
chr9	1.27E+08	126615006	+	6.45E-20	1.4449E-18	0.37541	hyper	sig	chr9_126615006
chr19	58059189	58059189	+	6.451E-20	1.4451E-18	0.363639	hyper	sig	chr19_58059189
chr2	1E+08	100322495	+	6.46E-20	1.4469E-18	0.334906	hyper	sig	chr2_100322495
chr2	2.31E+08	231355854	+	6.463E-20	1.4475E-18	0.238557	hyper	sig	chr2_231355854
chr19	28790993	28790993	+	6.464E-20	1.4478E-18	-0.2516	hypo	sig	chr19_28790993
chr21	43924739	43924739	+	6.464E-20	1.4478E-18	-0.27093	hypo	sig	chr21_43924739
chr8	73356505	73356505	+	6.465E-20	1.4479E-18	-0.27831	hypo	sig	chr8_73356505
chr6	33898512	33898512	+	6.467E-20	1.4483E-18	-0.26151	hypo	sig	chr6_33898512
chr5	1002954	1002954	+	6.469E-20	1.4488E-18	-0.32333	hypo	sig	chr5_1002954
chr3	10357695	10357695	+	6.472E-20	1.4493E-18	-0.28847	hypo	sig	chr3_10357695
chr7	4871454	4871454	+	6.475E-20	1.4499E-18	-0.28493	hypo	sig	chr7_4871454
chr13	95552908	95552908	+	6.497E-20	1.4548E-18	0.391325	hyper	sig	chr13_95552908
chr5	1.62E+08	161545985	+	6.501E-20	1.4557E-18	0.254254	hyper	sig	chr5_161545985
chr1	2.28E+08	227944334	+	6.509E-20	1.4574E-18	0.343041	hyper	sig	chr1_227944334
chr1	1.52E+08	151721844	+	6.509E-20	1.4574E-18	0.207201	hyper	sig	chr1_151721844
chr19	46410471	46410471	+	6.512E-20	1.4581E-18	-0.29358	hypo	sig	chr19_46410471
chr8	1.23E+08	123207288	+	6.513E-20	1.4582E-18	0.375558	hyper	sig	chr8_123207288
chr3	1.8E+08	180037350	+	6.518E-20	1.4593E-18	0.323764	hyper	sig	chr3_180037350
chr3	13934230	13934230	+	6.526E-20	1.4611E-18	-0.36254	hypo	sig	chr3_13934230
chr1	3222023	3222023	+	6.526E-20	1.4611E-18	-0.23836	hypo	sig	chr1_3222023
chr5	1.76E+08	175773548	+	6.527E-20	1.4612E-18	0.208027	hyper	sig	chr5_175773548
chr15	1.01E+08	100544871	+	6.529E-20	1.4616E-18	0.295947	hyper	sig	chr15_100544871
chr6	98843503	98843503	+	6.531E-20	1.4621E-18	0.274236	hyper	sig	chr6_98843503
chr1	46448157	46448157	+	6.532E-20	1.4621E-18	0.264206	hyper	sig	chr1_46448157
chr17	76948888	76948888	+	6.533E-20	1.4623E-18	-0.32745	hypo	sig	chr17_76948888
chr12	53999658	53999658	+	6.539E-20	1.4637E-18	0.241164	hyper	sig	chr12_53999658

chr11	1.23E+08	123430159	+	6.542E-20	1.4642E-18	0.261564	hyper	sig	chr11_123430159
chr6	32075962	32075962	+	6.548E-20	1.4655E-18	-0.30156	hypo	sig	chr6_32075962
chr2	27265445	27265445	+	6.552E-20	1.4664E-18	0.258021	hyper	sig	chr2_27265445
chr12	1.07E+08	106585742	+	6.558E-20	1.4677E-18	0.271624	hyper	sig	chr12_106585742
chr8	52940880	52940880	+	6.56E-20	1.4681E-18	0.29121	hyper	sig	chr8_52940880
chr3	1.95E+08	195105682	+	6.564E-20	1.4689E-18	-0.29269	hypo	sig	chr3_195105682
chr8	56446164	56446164	+	6.569E-20	1.4701E-18	0.356946	hyper	sig	chr8_56446164
chr16	86580185	86580185	+	6.572E-20	1.4706E-18	0.315625	hyper	sig	chr16_86580185
chr17	52159105	52159105	+	6.579E-20	1.4723E-18	0.271584	hyper	sig	chr17_52159105
chr5	1.41E+08	141485267	+	6.593E-20	1.4753E-18	0.292864	hyper	sig	chr5_141485267
chr10	1.32E+08	132037056	+	6.594E-20	1.4755E-18	0.242879	hyper	sig	chr10_132037056
chr4	7735110	7735110	+	6.597E-20	1.4761E-18	-0.2653	hypo	sig	chr4_7735110
chr13	21319102	21319102	+	6.608E-20	1.4785E-18	0.414303	hyper	sig	chr13_21319102
chr17	8056578	8056578	+	6.608E-20	1.4785E-18	-0.23376	hypo	sig	chr17_8056578
chr2	1.71E+08	170820317	+	6.614E-20	1.4798E-18	0.261179	hyper	sig	chr2_170820317
chr15	96353432	96353432	+	6.615E-20	1.4798E-18	-0.32544	hypo	sig	chr15_96353432
chr7	43112422	43112422	+	6.616E-20	1.4801E-18	0.302167	hyper	sig	chr7_43112422
chr7	1.59E+08	158982370	+	6.616E-20	1.4801E-18	-0.30426	hypo	sig	chr7_158982370
chr7	24283895	24283895	+	6.617E-20	1.4803E-18	0.353013	hyper	sig	chr7_24283895
chr17	64778592	64778592	+	6.618E-20	1.4803E-18	0.236418	hyper	sig	chr17_64778592
chr13	1.11E+08	110797588	+	6.619E-20	1.4807E-18	-0.28102	hypo	sig	chr13_110797588
chr22	42947014	42947014	+	6.639E-20	1.4849E-18	-0.24751	hypo	sig	chr22_42947014
chr10	1.01E+08	101228394	+	6.646E-20	1.4865E-18	0.287072	hyper	sig	chr10_101228394
chr2	1.53E+08	153478104	+	6.647E-20	1.4867E-18	0.281419	hyper	sig	chr2_153478104
chr16	88908536	88908536	+	6.651E-20	1.4874E-18	-0.37491	hypo	sig	chr16_88908536
chr7	27145893	27145893	+	6.651E-20	1.4876E-18	0.269532	hyper	sig	chr7_27145893
chr6	29828167	29828167	+	6.657E-20	1.4887E-18	0.202768	hyper	sig	chr6_29828167
chr7	42238497	42238497	+	6.658E-20	1.4888E-18	0.302012	hyper	sig	chr7_42238497
chr19	23999886	23999886	+	6.66E-20	1.4894E-18	-0.24434	hypo	sig	chr19_23999886
chr6	84772894	84772894	+	6.667E-20	1.4909E-18	0.304251	hyper	sig	chr6_84772894
chr8	26052083	26052083	+	6.668E-20	1.491E-18	0.264942	hyper	sig	chr8_26052083
chr1	75131170	75131170	+	6.672E-20	1.4919E-18	0.265973	hyper	sig	chr1_75131170
chr16	54940042	54940042	+	6.676E-20	1.4928E-18	0.289064	hyper	sig	chr16_54940042
chr17	45430412	45430412	+	6.691E-20	1.4961E-18	0.276163	hyper	sig	chr17_45430412
chr16	920323	920323	+	6.695E-20	1.4968E-18	0.323125	hyper	sig	chr16_920323
chr11	43577810	43577810	+	6.712E-20	1.5006E-18	0.321476	hyper	sig	chr11_43577810
chr19	2513664	2513664	+	6.714E-20	1.501E-18	-0.3053	hypo	sig	chr19_2513664
chr16	89248138	89248138	+	6.716E-20	1.5015E-18	0.342212	hyper	sig	chr16_89248138
chr20	46651353	46651353	+	6.721E-20	1.5025E-18	0.274799	hyper	sig	chr20_46651353
chr5	2197162	2197162	+	6.728E-20	1.504E-18	0.285402	hyper	sig	chr5_2197162
chr2	1.07E+08	106585840	+	6.73E-20	1.5043E-18	-0.30365	hypo	sig	chr2_106585840
chr4	84481240	84481240	+	6.732E-20	1.5049E-18	0.256797	hyper	sig	chr4_84481240
chr10	61453638	61453638	+	6.737E-20	1.5059E-18	0.215787	hyper	sig	chr10_61453638
chr5	1.14E+08	114055992	+	6.754E-20	1.5097E-18	0.266277	hyper	sig	chr5_114055992
chr4	30723252	30723252	+	6.754E-20	1.5097E-18	0.265853	hyper	sig	chr4_30723252
chr7	38975960	38975960	+	6.757E-20	1.5103E-18	0.320672	hyper	sig	chr7_38975960
chr4	87975742	87975742	+	6.759E-20	1.5106E-18	-0.22009	hypo	sig	chr4_87975742
chr22	37188187	37188187	+	6.759E-20	1.5107E-18	0.288055	hyper	sig	chr22_37188187
chr20	31965433	31965433	+	6.76E-20	1.5108E-18	-0.29842	hypo	sig	chr20_31965433
chr6	1.49E+08	148560387	+	6.762E-20	1.5112E-18	0.302447	hyper	sig	chr6_148560387
chr20	3732854	3732854	+	6.764E-20	1.5116E-18	0.220228	hyper	sig	chr20_3732854
chr1	90725055	90725055	+	6.765E-20	1.5118E-18	0.329208	hyper	sig	chr1_90725055
chr2	20671296	20671296	+	6.775E-20	1.5139E-18	0.333602	hyper	sig	chr2_20671296
chr3	1.47E+08	147421723	+	6.775E-20	1.5139E-18	0.28881	hyper	sig	chr3_147421723
chr6	28510802	28510802	+	6.783E-20	1.5158E-18	-0.26624	hypo	sig	chr6_28510802
chr7	30911883	30911883	+	6.788E-20	1.5167E-18	0.239741	hyper	sig	chr7_30911883

chr3	94937332	94937332	+	6.788E-20	1.5168E-18	-0.35197	hypo	sig	chr3_94937332
chr16	969995	969995	+	6.806E-20	1.5206E-18	0.238082	hyper	sig	chr16_969995
chr13	25096027	25096027	+	6.811E-20	1.5218E-18	0.289344	hyper	sig	chr13_25096027
chr5	95462	95462	+	6.813E-20	1.5222E-18	-0.26713	hypo	sig	chr5_95462
chr12	57632240	57632240	+	6.819E-20	1.5236E-18	0.380414	hyper	sig	chr12_57632240
chr10	15719573	15719573	+	6.821E-20	1.5238E-18	0.275301	hyper	sig	chr10_15719573
chr3	1.82E+08	181710813	+	6.821E-20	1.5239E-18	0.250348	hyper	sig	chr3_181710813
chr8	1324462	1324462	+	6.832E-20	1.5262E-18	0.221033	hyper	sig	chr8_1324462
chr10	1.32E+08	131938118	+	6.834E-20	1.5267E-18	0.208418	hyper	sig	chr10_131938118
chr22	50190620	50190620	+	6.837E-20	1.5274E-18	0.210665	hyper	sig	chr22_50190620
chr11	1.26E+08	126406102	+	6.849E-20	1.5298E-18	-0.27286	hypo	sig	chr11_126406102
chr15	92819015	92819015	+	6.849E-20	1.5299E-18	-0.2852	hypo	sig	chr15_92819015
chr2	1.19E+08	118857478	+	6.85E-20	1.53E-18	0.272198	hyper	sig	chr2_118857478
chr9	1.33E+08	132579711	+	6.856E-20	1.5313E-18	0.276676	hyper	sig	chr9_132579711
chr15	89406578	89406578	+	6.857E-20	1.5315E-18	0.225512	hyper	sig	chr15_89406578
chr18	905128	905128	+	6.862E-20	1.5327E-18	0.319301	hyper	sig	chr18_905128
chr6	84773228	84773228	+	6.868E-20	1.5338E-18	0.217755	hyper	sig	chr6_84773228
chr2	1.28E+08	127700754	+	6.869E-20	1.5341E-18	-0.2486	hypo	sig	chr2_127700754
chr17	14345674	14345674	+	6.893E-20	1.5392E-18	-0.29581	hypo	sig	chr17_14345674
chr11	1.14E+08	114201498	+	6.894E-20	1.5394E-18	-0.23194	hypo	sig	chr11_114201498
chr6	84769089	84769089	+	6.894E-20	1.5395E-18	0.244863	hyper	sig	chr6_84769089
chr1	13513233	13513233	+	6.898E-20	1.5403E-18	0.209069	hyper	sig	chr1_13513233
chr5	10149837	10149837	+	6.901E-20	1.5408E-18	-0.21275	hypo	sig	chr5_10149837
chr2	55923120	55923120	+	6.901E-20	1.5409E-18	0.284481	hyper	sig	chr2_55923120
chr14	1.02E+08	101590855	+	6.906E-20	1.542E-18	-0.38116	hypo	sig	chr14_101590855
chr12	34353547	34353547	+	6.912E-20	1.5433E-18	0.343386	hyper	sig	chr12_34353547
chr5	88685386	88685386	+	6.916E-20	1.544E-18	0.290182	hyper	sig	chr5_88685386
chr7	1.21E+08	120989649	+	6.922E-20	1.5454E-18	0.297775	hyper	sig	chr7_120989649
chr2	20671206	20671206	+	6.926E-20	1.5462E-18	0.332619	hyper	sig	chr2_20671206
chr4	55125241	55125241	+	6.936E-20	1.5483E-18	0.250244	hyper	sig	chr4_55125241
chr7	43114054	43114054	+	6.936E-20	1.5483E-18	0.270042	hyper	sig	chr7_43114054
chr17	77449128	77449128	+	6.941E-20	1.5495E-18	0.219226	hyper	sig	chr17_77449128
chr2	38077735	38077735	+	6.944E-20	1.5501E-18	-0.23863	hypo	sig	chr2_38077735
chr3	1.5E+08	150049075	+	6.945E-20	1.5502E-18	-0.26244	hypo	sig	chr3_150049075
chr7	97022706	97022706	+	6.954E-20	1.5522E-18	0.262484	hyper	sig	chr7_97022706
chr12	41189565	41189565	+	6.959E-20	1.5532E-18	0.310728	hyper	sig	chr12_41189565
chr19	33623420	33623420	+	6.96E-20	1.5534E-18	0.317382	hyper	sig	chr19_33623420
chr13	57632932	57632932	+	6.961E-20	1.5535E-18	0.39339	hyper	sig	chr13_57632932
chr17	4745271	4745271	+	6.962E-20	1.5537E-18	0.327328	hyper	sig	chr17_4745271
chr10	55631286	55631286	+	6.964E-20	1.5541E-18	0.350024	hyper	sig	chr10_55631286
chr21	45025776	45025776	+	6.964E-20	1.5541E-18	-0.2772	hypo	sig	chr21_45025776
chr8	37797771	37797771	+	6.974E-20	1.5563E-18	0.295527	hyper	sig	chr8_37797771
chr3	1.43E+08	142964381	+	6.981E-20	1.5577E-18	0.362086	hyper	sig	chr3_142964381
chr4	1.4E+08	140426906	+	6.981E-20	1.5578E-18	0.231298	hyper	sig	chr4_140426906
chr7	1.54E+08	153886507	+	6.982E-20	1.5579E-18	0.364295	hyper	sig	chr7_153886507
chr9	1052577	1052577	+	6.982E-20	1.558E-18	0.329808	hyper	sig	chr9_1052577
chr1	2E+08	200038898	+	6.986E-20	1.5589E-18	0.312317	hyper	sig	chr1_200038898
chr11	1.12E+08	111513135	+	6.991E-20	1.5599E-18	0.238745	hyper	sig	chr11_111513135
chr1	90835936	90835936	+	6.994E-20	1.5605E-18	0.318816	hyper	sig	chr1_90835936
chr3	68008163	68008163	+	7.005E-20	1.5628E-18	0.270751	hyper	sig	chr3_68008163
chr11	66863944	66863944	+	7.006E-20	1.563E-18	-0.25608	hypo	sig	chr11_66863944
chr8	1.44E+08	143982933	+	7.016E-20	1.5652E-18	0.237676	hyper	sig	chr8_143982933
chr13	1.13E+08	113411354	+	7.016E-20	1.5653E-18	-0.29897	hypo	sig	chr13_113411354
chr20	46513377	46513377	+	7.022E-20	1.5664E-18	0.364469	hyper	sig	chr20_46513377
chr10	3287681	3287681	+	7.022E-20	1.5664E-18	-0.29299	hypo	sig	chr10_3287681
chr6	1.33E+08	133241638	+	7.025E-20	1.567E-18	0.439203	hyper	sig	chr6_133241638

chr6	10883907	10883907	+	7.032E-20	1.5685E-18	0.284093	hyper	sig	chr6_10883907
chr19	2290982	2290982	+	7.035E-20	1.5692E-18	0.213617	hyper	sig	chr19_2290982
chr7	1.52E+08	151851035	+	7.036E-20	1.5694E-18	-0.27716	hypo	sig	chr7_151851035
chr6	27495428	27495428	+	7.039E-20	1.5701E-18	0.260463	hyper	sig	chr6_27495428
chr11	1.19E+08	118892968	+	7.046E-20	1.5716E-18	-0.22581	hypo	sig	chr11_118892968
chr21	18244828	18244828	+	7.049E-20	1.5721E-18	0.317948	hyper	sig	chr21_18244828
chr1	23913330	23913330	+	7.053E-20	1.573E-18	-0.25473	hypo	sig	chr1_23913330
chr7	79453040	79453040	+	7.069E-20	1.5765E-18	0.235989	hyper	sig	chr7_79453040
chr18	22347083	22347083	+	7.072E-20	1.5771E-18	-0.28416	hypo	sig	chr18_22347083
chr7	1733533	1733533	+	7.076E-20	1.578E-18	-0.2639	hypo	sig	chr7_1733533
chr17	21377368	21377368	+	7.08E-20	1.5789E-18	0.267883	hyper	sig	chr17_21377368
chr19	48896522	48896522	+	7.084E-20	1.5796E-18	0.27309	hyper	sig	chr19_48896522
chr20	23640499	23640499	+	7.09E-20	1.5809E-18	-0.30326	hypo	sig	chr20_23640499
chr7	1714023	1714023	+	7.09E-20	1.5809E-18	-0.29377	hypo	sig	chr7_1714023
chr4	1.63E+08	163343762	+	7.092E-20	1.5814E-18	0.215385	hyper	sig	chr4_163343762
chr5	1.41E+08	141345580	+	7.099E-20	1.5828E-18	0.294222	hyper	sig	chr5_141345580
chr8	11703078	11703078	+	7.109E-20	1.585E-18	0.263805	hyper	sig	chr8_11703078
chr2	1E+08	100426748	+	7.113E-20	1.5857E-18	-0.30469	hypo	sig	chr2_100426748
chr16	991294	991294	+	7.116E-20	1.5864E-18	-0.2954	hypo	sig	chr16_991294
chr4	1.04E+08	103720053	+	7.116E-20	1.5864E-18	0.268	hyper	sig	chr4_103720053
chr4	1154781	1154781	+	7.117E-20	1.5866E-18	-0.24755	hypo	sig	chr4_1154781
chr7	1.59E+08	158974382	+	7.126E-20	1.5885E-18	-0.30154	hypo	sig	chr7_158974382
chr3	1.92E+08	192408466	+	7.138E-20	1.5911E-18	0.244737	hyper	sig	chr3_192408466
chr16	85614698	85614698	+	7.139E-20	1.5913E-18	-0.2609	hypo	sig	chr16_85614698
chr3	1.39E+08	138950531	+	7.142E-20	1.592E-18	0.270046	hyper	sig	chr3_138950531
chr7	1.01E+08	101020134	+	7.151E-20	1.5939E-18	-0.28118	hypo	sig	chr7_101020134
chr19	32869720	32869720	+	7.153E-20	1.5942E-18	-0.34181	hypo	sig	chr19_32869720
chr14	1.04E+08	104157171	+	7.156E-20	1.5949E-18	-0.25047	hypo	sig	chr14_104157171
chr6	1E+08	100466763	+	7.178E-20	1.5998E-18	0.285189	hyper	sig	chr6_100466763
chr4	1534043	1534043	+	7.186E-20	1.6013E-18	0.325603	hyper	sig	chr4_1534043
chr8	379193	379193	+	7.19E-20	1.6023E-18	-0.21753	hypo	sig	chr8_379193
chr15	34754536	34754536	+	7.192E-20	1.6028E-18	0.313295	hyper	sig	chr15_34754536
chr17	45900854	45900854	+	7.193E-20	1.6028E-18	-0.24465	hypo	sig	chr17_45900854
chr10	49679044	49679044	+	7.202E-20	1.6048E-18	0.321347	hyper	sig	chr10_49679044
chr7	1.57E+08	157466189	+	7.219E-20	1.6086E-18	0.24105	hyper	sig	chr7_157466189
chr12	1.17E+08	117359311	+	7.223E-20	1.6094E-18	0.302929	hyper	sig	chr12_117359311
chr1	3651221	3651221	+	7.236E-20	1.6122E-18	0.284353	hyper	sig	chr1_3651221
chr14	23366760	23366760	+	7.24E-20	1.6131E-18	0.324682	hyper	sig	chr14_23366760
chr10	1.33E+08	133083244	+	7.243E-20	1.6138E-18	0.384537	hyper	sig	chr10_133083244
chr6	26225054	26225054	+	7.247E-20	1.6145E-18	0.294961	hyper	sig	chr6_26225054
chr17	17811007	17811007	+	7.25E-20	1.6151E-18	0.250002	hyper	sig	chr17_17811007
chr17	81461123	81461123	+	7.251E-20	1.6152E-18	-0.30168	hypo	sig	chr17_81461123
chr5	1.35E+08	135490175	+	7.251E-20	1.6152E-18	0.256918	hyper	sig	chr5_135490175
chr4	4226446	4226446	+	7.259E-20	1.6172E-18	0.274798	hyper	sig	chr4_4226446
chr19	53058339	53058339	+	7.262E-20	1.6176E-18	0.375597	hyper	sig	chr19_53058339
chr2	10331223	10331223	+	7.266E-20	1.6186E-18	-0.23938	hypo	sig	chr2_10331223
chr1	1.19E+08	118985799	+	7.269E-20	1.6191E-18	0.303251	hyper	sig	chr1_118985799
chr5	3599490	3599490	+	7.269E-20	1.6191E-18	0.379041	hyper	sig	chr5_3599490
chr7	1.37E+08	136869941	+	7.276E-20	1.6206E-18	0.386883	hyper	sig	chr7_136869941
chr1	63319882	63319882	+	7.278E-20	1.6209E-18	0.285719	hyper	sig	chr1_63319882
chr17	82883239	82883239	+	7.286E-20	1.6227E-18	-0.30648	hypo	sig	chr17_82883239
chr10	1.01E+08	100659643	+	7.296E-20	1.6248E-18	0.281127	hyper	sig	chr10_100659643
chr5	1.35E+08	135490161	+	7.302E-20	1.6261E-18	0.257063	hyper	sig	chr5_135490161
chr9	1.24E+08	124487328	+	7.305E-20	1.6267E-18	0.314232	hyper	sig	chr9_124487328
chr7	8440911	8440911	+	7.309E-20	1.6276E-18	0.313209	hyper	sig	chr7_8440911
chr11	655500	655500	+	7.323E-20	1.6306E-18	-0.29937	hypo	sig	chr11_655500

chr7	64575138	64575138	+	7.326E-20	1.6311E-18	0.315916	hyper	sig	chr7_64575138
chr17	58277995	58277995	+	7.327E-20	1.6314E-18	-0.25721	hypo	sig	chr17_58277995
chr7	73378702	73378702	+	7.335E-20	1.633E-18	-0.31515	hypo	sig	chr7_73378702
chr6	27495471	27495471	+	7.339E-20	1.6338E-18	0.230877	hyper	sig	chr6_27495471
chr1	2355173	2355173	+	7.343E-20	1.6347E-18	0.302094	hyper	sig	chr1_2355173
chr7	1.29E+08	129188972	+	7.347E-20	1.6357E-18	0.269297	hyper	sig	chr7_129188972
chr13	27928054	27928054	+	7.35E-20	1.6362E-18	0.447904	hyper	sig	chr13_27928054
chr2	2.42E+08	241820386	+	7.354E-20	1.637E-18	-0.32011	hypo	sig	chr2_241820386
chr20	21520765	21520765	+	7.36E-20	1.6385E-18	0.371659	hyper	sig	chr20_21520765
chr8	79611165	79611165	+	7.362E-20	1.6387E-18	0.281462	hyper	sig	chr8_79611165
chr20	4815353	4815353	+	7.363E-20	1.639E-18	-0.3057	hypo	sig	chr20_4815353
chr16	268695	268695	+	7.367E-20	1.6397E-18	-0.33585	hypo	sig	chr16_268695
chr14	69574622	69574622	+	7.374E-20	1.6412E-18	0.201518	hyper	sig	chr14_69574622
chr7	2203789	2203789	+	7.377E-20	1.6418E-18	0.341581	hyper	sig	chr7_2203789
chr1	1419906	1419906	+	7.377E-20	1.6418E-18	0.353429	hyper	sig	chr1_1419906
chr10	69578703	69578703	+	7.378E-20	1.642E-18	0.360832	hyper	sig	chr10_69578703
chr2	82326426	82326426	+	7.378E-20	1.642E-18	-0.23688	hypo	sig	chr2_82326426
chr5	1.29E+08	128537816	+	7.379E-20	1.6421E-18	0.313871	hyper	sig	chr5_128537816
chr3	46577147	46577147	+	7.387E-20	1.6437E-18	0.372445	hyper	sig	chr3_46577147
chr16	4650756	4650756	+	7.392E-20	1.6448E-18	-0.21525	hypo	sig	chr16_4650756
chr14	1.06E+08	105527427	+	7.398E-20	1.6462E-18	0.2595	hyper	sig	chr14_105527427
chr8	85438049	85438049	+	7.403E-20	1.6472E-18	0.251793	hyper	sig	chr8_85438049
chr16	85329596	85329596	+	7.406E-20	1.648E-18	-0.27372	hypo	sig	chr16_85329596
chr16	6483797	6483797	+	7.408E-20	1.6483E-18	0.232748	hyper	sig	chr16_6483797
chr5	1876054	1876054	+	7.416E-20	1.65E-18	0.237634	hyper	sig	chr5_1876054
chr5	1.41E+08	141370171	+	7.421E-20	1.6511E-18	0.24722	hyper	sig	chr5_141370171
chr2	28566082	28566082	+	7.426E-20	1.6522E-18	-0.25125	hypo	sig	chr2_28566082
chr13	1.14E+08	114140392	+	7.428E-20	1.6526E-18	-0.22334	hypo	sig	chr13_114140392
chr4	210593	210593	+	7.442E-20	1.6556E-18	-0.27344	hypo	sig	chr4_210593
chr19	17079529	17079529	+	7.464E-20	1.6605E-18	0.271299	hyper	sig	chr19_17079529
chr9	94996149	94996149	+	7.466E-20	1.6607E-18	0.303518	hyper	sig	chr9_94996149
chr12	46831808	46831808	+	7.468E-20	1.6612E-18	0.289794	hyper	sig	chr12_46831808
chr7	1.08E+08	108455473	+	7.47E-20	1.6617E-18	0.249503	hyper	sig	chr7_108455473
chr1	1.83E+08	183417104	+	7.471E-20	1.6618E-18	0.309868	hyper	sig	chr1_183417104
chr2	63055700	63055700	+	7.472E-20	1.662E-18	0.291145	hyper	sig	chr2_63055700
chr5	71719148	71719148	+	7.486E-20	1.6649E-18	0.408205	hyper	sig	chr5_71719148
chr17	48722292	48722292	+	7.486E-20	1.665E-18	0.221885	hyper	sig	chr17_48722292
chr16	30445058	30445058	+	7.495E-20	1.6669E-18	-0.32387	hypo	sig	chr16_30445058
chr5	36692966	36692966	+	7.507E-20	1.6693E-18	0.303393	hyper	sig	chr5_36692966
chr1	50048645	50048645	+	7.508E-20	1.6696E-18	0.337522	hyper	sig	chr1_50048645
chr17	48551486	48551486	+	7.51E-20	1.67E-18	0.322315	hyper	sig	chr17_48551486
chr5	1.78E+08	177984742	+	7.51E-20	1.67E-18	0.23897	hyper	sig	chr5_177984742
chr17	40355311	40355311	+	7.513E-20	1.6707E-18	0.355879	hyper	sig	chr17_40355311
chr10	1.3E+08	129525915	+	7.515E-20	1.671E-18	0.258565	hyper	sig	chr10_129525915
chr3	14555972	14555972	+	7.518E-20	1.6717E-18	-0.2961	hypo	sig	chr3_14555972
chr6	32762466	32762466	+	7.528E-20	1.6737E-18	-0.25215	hypo	sig	chr6_32762466
chr19	40554494	40554494	+	7.53E-20	1.6742E-18	0.226941	hyper	sig	chr19_40554494
chr11	92972576	92972576	+	7.531E-20	1.6743E-18	-0.28286	hypo	sig	chr11_92972576
chr2	2.36E+08	236236792	+	7.537E-20	1.6756E-18	0.260171	hyper	sig	chr2_236236792
chr22	21632750	21632750	+	7.543E-20	1.677E-18	-0.26005	hypo	sig	chr22_21632750
chr8	24914928	24914928	+	7.545E-20	1.6774E-18	0.205345	hyper	sig	chr8_24914928
chr7	1.3E+08	129783401	+	7.552E-20	1.6788E-18	0.211689	hyper	sig	chr7_129783401
chr2	2.39E+08	238967773	+	7.559E-20	1.6802E-18	-0.24368	hypo	sig	chr2_238967773
chr5	55220977	55220977	+	7.561E-20	1.6806E-18	0.245683	hyper	sig	chr5_55220977
chr12	2999014	2999014	+	7.562E-20	1.6809E-18	0.296054	hyper	sig	chr12_2999014
chr13	22925281	22925281	+	7.568E-20	1.6821E-18	-0.296	hypo	sig	chr13_22925281

chr7	97007840	97007840	+	7.568E-20	1.6821E-18	0.276702	hyper	sig	chr7_97007840
chr7	1395489	1395489	+	7.576E-20	1.6838E-18	0.29967	hyper	sig	chr7_1395489
chr11	1.29E+08	128694282	+	7.579E-20	1.6846E-18	0.355865	hyper	sig	chr11_128694282
chr20	21515446	21515446	+	7.588E-20	1.6864E-18	0.281829	hyper	sig	chr20_21515446
chr2	20107066	20107066	+	7.591E-20	1.687E-18	0.277823	hyper	sig	chr2_20107066
chr1	86156948	86156948	+	7.608E-20	1.6906E-18	0.214501	hyper	sig	chr1_86156948
chr20	63068964	63068964	+	7.617E-20	1.6926E-18	-0.37581	hypo	sig	chr20_63068964
chr10	7412019	7412019	+	7.62E-20	1.6932E-18	0.37649	hyper	sig	chr10_7412019
chr20	56343991	56343991	+	7.622E-20	1.6936E-18	0.222113	hyper	sig	chr20_56343991
chr13	25046855	25046855	+	7.628E-20	1.6949E-18	0.24763	hyper	sig	chr13_25046855
chr3	27724554	27724554	+	7.641E-20	1.6976E-18	0.373535	hyper	sig	chr3_27724554
chr5	1.41E+08	141421300	+	7.643E-20	1.6981E-18	0.307041	hyper	sig	chr5_141421300
chr12	7873039	7873039	+	7.644E-20	1.6982E-18	0.312049	hyper	sig	chr12_7873039
chr6	1.6E+08	160259002	+	7.652E-20	1.7E-18	0.232798	hyper	sig	chr6_160259002
chr5	1.41E+08	140848855	+	7.658E-20	1.7012E-18	0.285653	hyper	sig	chr5_140848855
chr5	1.73E+08	173245507	+	7.671E-20	1.7041E-18	0.285588	hyper	sig	chr5_173245507
chr5	1.35E+08	135038800	+	7.676E-20	1.705E-18	0.288017	hyper	sig	chr5_135038800
chr12	42593996	42593996	+	7.68E-20	1.7058E-18	-0.30907	hypo	sig	chr12_42593996
chr9	1.31E+08	130663325	+	7.682E-20	1.7063E-18	0.253042	hyper	sig	chr9_130663325
chr4	1.09E+08	109302559	+	7.683E-20	1.7066E-18	0.254504	hyper	sig	chr4_109302559
chr6	1.1E+08	109979877	+	7.684E-20	1.7066E-18	0.358953	hyper	sig	chr6_109979877
chr12	78865031	78865031	+	7.692E-20	1.7084E-18	0.271498	hyper	sig	chr12_78865031
chr5	1.75E+08	175443947	+	7.697E-20	1.7095E-18	0.243614	hyper	sig	chr5_175443947
chr6	1.7E+08	170250827	+	7.697E-20	1.7095E-18	-0.21623	hypo	sig	chr6_170250827
chr10	45224473	45224473	+	7.703E-20	1.7106E-18	-0.30215	hypo	sig	chr10_45224473
chr1	36100171	36100171	+	7.709E-20	1.712E-18	-0.33998	hypo	sig	chr1_36100171
chr10	69571735	69571735	+	7.719E-20	1.7142E-18	0.461237	hyper	sig	chr10_69571735
chr20	19211980	19211980	+	7.72E-20	1.7144E-18	0.224315	hyper	sig	chr20_19211980
chr18	50298869	50298869	+	7.731E-20	1.7166E-18	0.335345	hyper	sig	chr18_50298869
chr1	1.45E+08	144552002	+	7.732E-20	1.717E-18	0.231462	hyper	sig	chr1_144552002
chr10	1.17E+08	117132084	+	7.734E-20	1.7173E-18	0.302791	hyper	sig	chr10_117132084
chr5	2683874	2683874	+	7.736E-20	1.7176E-18	-0.27156	hypo	sig	chr5_2683874
chr6	1.47E+08	146543254	+	7.737E-20	1.7178E-18	-0.26696	hypo	sig	chr6_146543254
chr19	30226604	30226604	+	7.737E-20	1.7179E-18	0.237796	hyper	sig	chr19_30226604
chr5	43044538	43044538	+	7.742E-20	1.7189E-18	0.272588	hyper	sig	chr5_43044538
chr12	1.32E+08	132421006	+	7.746E-20	1.7197E-18	-0.33095	hypo	sig	chr12_132421006
chr1	2.14E+08	214187296	+	7.751E-20	1.7208E-18	0.217324	hyper	sig	chr1_214187296
chr19	58118534	58118534	+	7.755E-20	1.7216E-18	0.345617	hyper	sig	chr19_58118534
chr21	20997590	20997590	+	7.761E-20	1.7228E-18	0.321542	hyper	sig	chr21_20997590
chr12	54054033	54054033	+	7.761E-20	1.7229E-18	0.265313	hyper	sig	chr12_54054033
chr9	22447682	22447682	+	7.762E-20	1.723E-18	0.330802	hyper	sig	chr9_22447682
chr3	43997992	43997992	+	7.765E-20	1.7237E-18	0.282807	hyper	sig	chr3_43997992
chr1	18632897	18632897	+	7.769E-20	1.7245E-18	0.24769	hyper	sig	chr1_18632897
chr13	1.14E+08	114131279	+	7.772E-20	1.7252E-18	0.285358	hyper	sig	chr13_114131279
chr4	3026115	3026115	+	7.774E-20	1.7255E-18	-0.27978	hypo	sig	chr4_3026115
chr21	35886162	35886162	+	7.776E-20	1.7259E-18	-0.2966	hypo	sig	chr21_35886162
chr2	5693037	5693037	+	7.778E-20	1.7262E-18	0.31417	hyper	sig	chr2_5693037
chr13	99657928	99657928	+	7.783E-20	1.7274E-18	0.271238	hyper	sig	chr13_99657928
chr13	36430853	36430853	+	7.796E-20	1.7301E-18	0.201226	hyper	sig	chr13_36430853
chr2	66437828	66437828	+	7.797E-20	1.7303E-18	0.255471	hyper	sig	chr2_66437828
chr11	45696972	45696972	+	7.803E-20	1.7316E-18	-0.28186	hypo	sig	chr11_45696972
chr1	85582796	85582796	+	7.806E-20	1.7322E-18	0.227962	hyper	sig	chr1_85582796
chr13	36345851	36345851	+	7.815E-20	1.7343E-18	0.36847	hyper	sig	chr13_36345851
chr12	95944233	95944233	+	7.819E-20	1.735E-18	-0.24766	hypo	sig	chr12_95944233
chr1	1.44E+08	143667608	+	7.823E-20	1.7358E-18	0.307025	hyper	sig	chr1_143667608
chr7	1.28E+08	128201554	+	7.826E-20	1.7366E-18	0.306569	hyper	sig	chr7_128201554

chr1	1.65E+08	165354531	+	7.826E-20	1.7366E-18	0.306635	hyper	sig	chr1_165354531
chr2	28981276	28981276	+	7.831E-20	1.7376E-18	0.269745	hyper	sig	chr2_28981276
chr14	85532034	85532034	+	7.85E-20	1.7417E-18	0.266675	hyper	sig	chr14_85532034
chr2	28981232	28981232	+	7.85E-20	1.7417E-18	0.27933	hyper	sig	chr2_28981232
chr20	23989508	23989508	+	7.853E-20	1.7422E-18	-0.34025	hypo	sig	chr20_23989508
chr19	55836481	55836481	+	7.856E-20	1.7428E-18	-0.2522	hypo	sig	chr19_55836481
chr5	29127862	29127862	+	7.857E-20	1.743E-18	-0.26371	hypo	sig	chr5_29127862
chr12	74292502	74292502	+	7.859E-20	1.7435E-18	-0.29695	hypo	sig	chr12_74292502
chr7	1055101	1055101	+	7.866E-20	1.7448E-18	0.2722	hyper	sig	chr7_1055101
chr16	1105299	1105299	+	7.875E-20	1.7469E-18	-0.37198	hypo	sig	chr16_1105299
chr1	54781723	54781723	+	7.878E-20	1.7474E-18	0.276623	hyper	sig	chr1_54781723
chr2	2.23E+08	222652706	+	7.879E-20	1.7477E-18	-0.27457	hypo	sig	chr2_222652706
chr2	2.19E+08	219418438	+	7.883E-20	1.7484E-18	0.293834	hyper	sig	chr2_219418438
chr3	1.38E+08	137769639	+	7.886E-20	1.7491E-18	0.233074	hyper	sig	chr3_137769639
chr15	96409009	96409009	+	7.888E-20	1.7494E-18	0.270406	hyper	sig	chr15_96409009
chr14	28777970	28777970	+	7.889E-20	1.7497E-18	0.24354	hyper	sig	chr14_28777970
chr3	49422572	49422572	+	7.893E-20	1.7505E-18	0.262468	hyper	sig	chr3_49422572
chr15	78280487	78280487	+	7.898E-20	1.7515E-18	0.25669	hyper	sig	chr15_78280487
chr7	1.28E+08	128270911	+	7.9E-20	1.7518E-18	0.271643	hyper	sig	chr7_128270911
chr7	1.58E+08	158451027	+	7.907E-20	1.7535E-18	-0.30045	hypo	sig	chr7_158451027
chr1	2.02E+08	201503698	+	7.913E-20	1.7547E-18	0.274618	hyper	sig	chr1_201503698
chr12	6778329	6778329	+	7.915E-20	1.755E-18	0.30864	hyper	sig	chr12_6778329
chr10	31774523	31774523	+	7.919E-20	1.7561E-18	0.277028	hyper	sig	chr10_31774523
chr1	16521066	16521066	+	7.92E-20	1.7562E-18	0.359696	hyper	sig	chr1_16521066
chr8	55939708	55939708	+	7.92E-20	1.7562E-18	0.26224	hyper	sig	chr8_55939708
chr20	611531	611531	+	7.922E-20	1.7565E-18	0.278357	hyper	sig	chr20_611531
chr7	4214681	4214681	+	7.922E-20	1.7565E-18	-0.33281	hypo	sig	chr7_4214681
chr1	95233320	95233320	+	7.936E-20	1.7594E-18	0.218577	hyper	sig	chr1_95233320
chr19	58098268	58098268	+	7.938E-20	1.7599E-18	0.200044	hyper	sig	chr19_58098268
chr1	36109194	36109194	+	7.94E-20	1.7602E-18	-0.32805	hypo	sig	chr1_36109194
chr11	22433092	22433092	+	7.941E-20	1.7605E-18	0.273977	hyper	sig	chr11_22433092
chr4	7193273	7193273	+	7.943E-20	1.7608E-18	0.213876	hyper	sig	chr4_7193273
chr17	56597796	56597796	+	7.947E-20	1.7617E-18	0.263661	hyper	sig	chr17_56597796
chr6	72623129	72623129	+	7.948E-20	1.7618E-18	0.284291	hyper	sig	chr6_72623129
chr3	27730345	27730345	+	7.951E-20	1.7626E-18	0.268887	hyper	sig	chr3_27730345
chr10	49396519	49396519	+	7.952E-20	1.7626E-18	0.238409	hyper	sig	chr10_49396519
chr5	1.81E+08	180646780	+	7.956E-20	1.7635E-18	-0.33555	hypo	sig	chr5_180646780
chr21	26845387	26845387	+	7.958E-20	1.7638E-18	0.226372	hyper	sig	chr21_26845387
chr20	24471215	24471215	+	7.96E-20	1.7642E-18	0.275694	hyper	sig	chr20_24471215
chr6	33167521	33167521	+	7.967E-20	1.7657E-18	-0.26466	hypo	sig	chr6_33167521
chr13	24304779	24304779	+	7.969E-20	1.7662E-18	0.221907	hyper	sig	chr13_24304779
chr10	1.24E+08	124448360	+	7.975E-20	1.7674E-18	0.21496	hyper	sig	chr10_124448360
chr3	46692903	46692903	+	7.979E-20	1.7682E-18	-0.22493	hypo	sig	chr3_46692903
chr4	92305453	92305453	+	7.983E-20	1.769E-18	0.243759	hyper	sig	chr4_92305453
chr2	1.61E+08	161417143	+	7.993E-20	1.7712E-18	0.28541	hyper	sig	chr2_161417143
chr7	35254851	35254851	+	7.997E-20	1.7721E-18	0.341912	hyper	sig	chr7_35254851
chr4	8394438	8394438	+	8E-20	1.7727E-18	0.263223	hyper	sig	chr4_8394438
chr4	212690	212690	+	8.008E-20	1.7743E-18	0.233482	hyper	sig	chr4_212690
chr10	1.02E+08	102410934	+	8.018E-20	1.7765E-18	0.269078	hyper	sig	chr10_102410934
chr10	1.2E+08	119544123	+	8.021E-20	1.7772E-18	0.345121	hyper	sig	chr10_119544123
chr5	73299832	73299832	+	8.023E-20	1.7775E-18	0.250917	hyper	sig	chr5_73299832
chr17	2071948	2071948	+	8.028E-20	1.7785E-18	0.304254	hyper	sig	chr17_2071948
chr10	1.23E+08	122818721	+	8.03E-20	1.779E-18	0.292365	hyper	sig	chr10_122818721
chr1	16521210	16521210	+	8.03E-20	1.779E-18	0.314579	hyper	sig	chr1_16521210
chr17	81277477	81277477	+	8.036E-20	1.7801E-18	0.31822	hyper	sig	chr17_81277477
chr4	1.86E+08	185797224	+	8.038E-20	1.7805E-18	0.299616	hyper	sig	chr4_185797224

chr12	5043667	5043667	+	8.039E-20	1.7807E-18	0.339448	hyper	sig	chr12_5043667
chr17	82242791	82242791	+	8.049E-20	1.7829E-18	0.274126	hyper	sig	chr17_82242791
chr13	25096004	25096004	+	8.05E-20	1.7831E-18	0.275983	hyper	sig	chr13_25096004
chr11	2708828	2708828	+	8.053E-20	1.7836E-18	0.360269	hyper	sig	chr11_2708828
chr3	1.97E+08	196660618	+	8.054E-20	1.7838E-18	-0.33783	hypo	sig	chr3_196660618
chr2	11777583	11777583	+	8.055E-20	1.784E-18	-0.24196	hypo	sig	chr2_11777583
chr8	1.41E+08	141495548	+	8.062E-20	1.7855E-18	-0.29938	hypo	sig	chr8_141495548
chr2	64993014	64993014	+	8.073E-20	1.7879E-18	-0.25029	hypo	sig	chr2_64993014
chr1	929499	929499	+	8.073E-20	1.7879E-18	-0.30812	hypo	sig	chr1_929499
chr3	1.13E+08	113441430	+	8.083E-20	1.79E-18	0.301331	hyper	sig	chr3_113441430
chr1	27399808	27399808	+	8.091E-20	1.7917E-18	0.305913	hyper	sig	chr1_27399808
chr17	75891237	75891237	+	8.092E-20	1.7919E-18	-0.25881	hypo	sig	chr17_75891237
chr1	1.22E+08	121519677	+	8.093E-20	1.792E-18	0.216921	hyper	sig	chr1_121519677
chr10	1.01E+08	100659607	+	8.099E-20	1.7932E-18	0.313719	hyper	sig	chr10_100659607
chr12	21604579	21604579	+	8.1E-20	1.7936E-18	0.233072	hyper	sig	chr12_21604579
chr16	782857	782857	+	8.102E-20	1.794E-18	-0.29724	hypo	sig	chr16_782857
chr10	485952	485952	+	8.103E-20	1.794E-18	0.312396	hyper	sig	chr10_485952
chr8	1.42E+08	141507453	+	8.112E-20	1.7959E-18	-0.27881	hypo	sig	chr8_141507453
chr2	1.24E+08	124024712	+	8.116E-20	1.7968E-18	0.393076	hyper	sig	chr2_124024712
chr2	1.76E+08	176172982	+	8.12E-20	1.7976E-18	-0.22772	hypo	sig	chr2_176172982
chr3	13637579	13637579	+	8.125E-20	1.7987E-18	-0.25759	hypo	sig	chr3_13637579
chr13	1.13E+08	113454118	+	8.141E-20	1.8023E-18	0.20197	hyper	sig	chr13_113454118
chr15	28832133	28832133	+	8.143E-20	1.8027E-18	0.309137	hyper	sig	chr15_28832133
chr2	74506958	74506958	+	8.146E-20	1.8032E-18	-0.30666	hypo	sig	chr2_74506958
chr5	84384218	84384218	+	8.152E-20	1.8045E-18	0.341778	hyper	sig	chr5_84384218
chr20	51000553	51000553	+	8.154E-20	1.8049E-18	-0.41643	hypo	sig	chr20_51000553
chr5	1.46E+08	146338034	+	8.162E-20	1.8067E-18	0.254033	hyper	sig	chr5_146338034
chr10	510752	510752	+	8.164E-20	1.8069E-18	0.334386	hyper	sig	chr10_510752
chr2	1.19E+08	118833638	+	8.167E-20	1.8075E-18	0.305983	hyper	sig	chr2_118833638
chr2	23617888	23617888	+	8.168E-20	1.8078E-18	0.34608	hyper	sig	chr2_23617888
chr17	57243459	57243459	+	8.17E-20	1.8081E-18	-0.27311	hypo	sig	chr17_57243459
chr17	28717630	28717630	+	8.176E-20	1.8093E-18	0.300777	hyper	sig	chr17_28717630
chr2	45004649	45004649	+	8.177E-20	1.8096E-18	0.264202	hyper	sig	chr2_45004649
chr3	1.73E+08	173141125	+	8.198E-20	1.8142E-18	-0.2865	hypo	sig	chr3_173141125
chr7	1.59E+08	158992968	+	8.211E-20	1.8168E-18	0.295362	hyper	sig	chr7_158992968
chr2	2.01E+08	200586599	+	8.215E-20	1.8177E-18	0.324844	hyper	sig	chr2_200586599
chr22	39349510	39349510	+	8.22E-20	1.8188E-18	0.320293	hyper	sig	chr22_39349510
chr7	923705	923705	+	8.225E-20	1.8199E-18	-0.31327	hypo	sig	chr7_923705
chr5	1.36E+08	136365419	+	8.226E-20	1.82E-18	0.323704	hyper	sig	chr5_136365419
chr7	97958966	97958966	+	8.228E-20	1.8204E-18	-0.37115	hypo	sig	chr7_97958966
chr1	90726560	90726560	+	8.229E-20	1.8206E-18	0.264731	hyper	sig	chr1_90726560
chr11	1.26E+08	126406111	+	8.23E-20	1.8209E-18	-0.26196	hypo	sig	chr11_126406111
chr4	1099821	1099821	+	8.239E-20	1.8227E-18	-0.31017	hypo	sig	chr4_1099821
chr14	1.05E+08	104588720	+	8.258E-20	1.8269E-18	-0.37322	hypo	sig	chr14_104588720
chr10	1.02E+08	102451562	+	8.259E-20	1.827E-18	-0.20274	hypo	sig	chr10_102451562
chr11	20606028	20606028	+	8.259E-20	1.827E-18	0.296094	hyper	sig	chr11_20606028
chr8	98949785	98949785	+	8.261E-20	1.8273E-18	0.32154	hyper	sig	chr8_98949785
chr1	2073970	2073970	+	8.262E-20	1.8276E-18	0.363235	hyper	sig	chr1_2073970
chr4	1.67E+08	167234831	+	8.263E-20	1.8277E-18	0.209132	hyper	sig	chr4_167234831
chr13	24746439	24746439	+	8.266E-20	1.8283E-18	0.335124	hyper	sig	chr13_24746439
chr17	40779597	40779597	+	8.269E-20	1.829E-18	0.233561	hyper	sig	chr17_40779597
chr3	51861676	51861676	+	8.274E-20	1.8299E-18	-0.25586	hypo	sig	chr3_51861676
chr2	1.28E+08	127655460	+	8.278E-20	1.8309E-18	0.239039	hyper	sig	chr2_127655460
chr11	64971848	64971848	+	8.281E-20	1.8315E-18	0.251015	hyper	sig	chr11_64971848
chr1	2.14E+08	214303959	+	8.281E-20	1.8315E-18	0.223844	hyper	sig	chr1_214303959
chr8	1.23E+08	122995424	+	8.292E-20	1.8338E-18	-0.30907	hypo	sig	chr8_122995424

chr12	22375695	22375695	+	8.293E-20	1.8339E-18	-0.26462	hypo	sig	chr12_22375695
chr5	3606894	3606894	+	8.294E-20	1.8342E-18	0.31427	hyper	sig	chr5_3606894
chr19	41090184	41090184	+	8.299E-20	1.8352E-18	0.303345	hyper	sig	chr19_41090184
chr6	30987185	30987185	+	8.313E-20	1.8382E-18	-0.31814	hypo	sig	chr6_30987185
chr17	81912930	81912930	+	8.313E-20	1.8382E-18	-0.28621	hypo	sig	chr17_81912930
chr2	1.54E+08	153871727	+	8.321E-20	1.8399E-18	0.329781	hyper	sig	chr2_153871727
chr9	1.37E+08	136994667	+	8.323E-20	1.8404E-18	0.273991	hyper	sig	chr9_136994667
chr16	2184005	2184005	+	8.324E-20	1.8405E-18	-0.27809	hypo	sig	chr16_2184005
chr16	1107219	1107219	+	8.328E-20	1.8412E-18	-0.29335	hypo	sig	chr16_1107219
chr15	67826946	67826946	+	8.336E-20	1.843E-18	0.391619	hyper	sig	chr15_67826946
chr8	1.44E+08	144336335	+	8.348E-20	1.8456E-18	0.365827	hyper	sig	chr8_144336335
chr11	1.32E+08	131910384	+	8.358E-20	1.8478E-18	0.262509	hyper	sig	chr11_131910384
chr18	74499952	74499952	+	8.368E-20	1.8498E-18	-0.25273	hypo	sig	chr18_74499952
chr19	35558449	35558449	+	8.368E-20	1.8499E-18	0.298993	hyper	sig	chr19_35558449
chr7	97018618	97018618	+	8.38E-20	1.8525E-18	0.346876	hyper	sig	chr7_97018618
chr19	54586602	54586602	+	8.382E-20	1.8529E-18	-0.29948	hypo	sig	chr19_54586602
chr14	1.04E+08	103519858	+	8.385E-20	1.8534E-18	0.304698	hyper	sig	chr14_103519858
chr16	4680433	4680433	+	8.386E-20	1.8535E-18	-0.27126	hypo	sig	chr16_4680433
chr10	17225929	17225929	+	8.39E-20	1.8543E-18	-0.24887	hypo	sig	chr10_17225929
chr16	11675855	11675855	+	8.394E-20	1.8552E-18	-0.34006	hypo	sig	chr16_11675855
chr5	7395205	7395205	+	8.396E-20	1.8556E-18	0.297798	hyper	sig	chr5_7395205
chr16	89248151	89248151	+	8.403E-20	1.8571E-18	0.328582	hyper	sig	chr16_89248151
chr2	73291629	73291629	+	8.404E-20	1.8573E-18	0.282756	hyper	sig	chr2_73291629
chr12	1.32E+08	131872443	+	8.406E-20	1.8578E-18	-0.29133	hypo	sig	chr12_131872443
chr7	1.52E+08	152136874	+	8.424E-20	1.8615E-18	0.287064	hyper	sig	chr7_152136874
chr11	15114972	15114972	+	8.435E-20	1.864E-18	0.292113	hyper	sig	chr11_15114972
chr1	46467100	46467100	+	8.444E-20	1.8659E-18	0.253949	hyper	sig	chr1_46467100
chr13	1.13E+08	113420405	+	8.444E-20	1.866E-18	-0.32046	hypo	sig	chr13_113420405
chr15	89410060	89410060	+	8.453E-20	1.8679E-18	0.294545	hyper	sig	chr15_89410060
chr14	97207501	97207501	+	8.458E-20	1.869E-18	-0.22758	hypo	sig	chr14_97207501
chr3	1.28E+08	128481866	+	8.466E-20	1.8706E-18	0.325708	hyper	sig	chr3_128481866
chr15	40770138	40770138	+	8.466E-20	1.8706E-18	-0.30366	hypo	sig	chr15_40770138
chr1	2.27E+08	226737096	+	8.476E-20	1.8728E-18	0.33816	hyper	sig	chr1_226737096
chr19	34905299	34905299	+	8.482E-20	1.874E-18	0.318762	hyper	sig	chr19_34905299
chr11	1060661	1060661	+	8.484E-20	1.8744E-18	-0.31571	hypo	sig	chr11_1060661
chr11	1.18E+08	117783120	+	8.487E-20	1.875E-18	-0.34195	hypo	sig	chr11_117783120
chr10	1.01E+08	101236733	+	8.492E-20	1.8761E-18	0.276549	hyper	sig	chr10_101236733
chr16	1437553	1437553	+	8.504E-20	1.8786E-18	-0.257	hypo	sig	chr16_1437553
chr12	1.31E+08	131084917	+	8.519E-20	1.8819E-18	-0.31066	hypo	sig	chr12_131084917
chr3	12759337	12759337	+	8.52E-20	1.882E-18	-0.27885	hypo	sig	chr3_12759337
chr11	6244142	6244142	+	8.525E-20	1.883E-18	-0.21853	hypo	sig	chr11_6244142
chr8	71843549	71843549	+	8.531E-20	1.8844E-18	0.309878	hyper	sig	chr8_71843549
chr17	47696193	47696193	+	8.533E-20	1.8848E-18	0.270392	hyper	sig	chr17_47696193
chr7	1.58E+08	158057038	+	8.538E-20	1.8857E-18	-0.27639	hypo	sig	chr7_158057038
chr16	62034769	62034769	+	8.546E-20	1.8873E-18	0.332833	hyper	sig	chr16_62034769
chr1	90718601	90718601	+	8.546E-20	1.8874E-18	0.244029	hyper	sig	chr1_90718601
chr21	44959138	44959138	+	8.547E-20	1.8875E-18	0.298042	hyper	sig	chr21_44959138
chr17	50596797	50596797	+	8.553E-20	1.8888E-18	-0.33428	hypo	sig	chr17_50596797
chr16	86516760	86516760	+	8.555E-20	1.8892E-18	0.225324	hyper	sig	chr16_86516760
chr17	52159405	52159405	+	8.556E-20	1.8895E-18	0.287806	hyper	sig	chr17_52159405
chr16	1150090	1150090	+	8.561E-20	1.8904E-18	0.288299	hyper	sig	chr16_1150090
chr1	1357217	1357217	+	8.561E-20	1.8904E-18	0.351707	hyper	sig	chr1_1357217
chr18	14145898	14145898	+	8.572E-20	1.8927E-18	-0.33881	hypo	sig	chr18_14145898
chr13	36293739	36293739	+	8.575E-20	1.8932E-18	-0.24057	hypo	sig	chr13_36293739
chr1	19816213	19816213	+	8.577E-20	1.8936E-18	-0.2722	hypo	sig	chr1_19816213
chr20	1313428	1313428	+	8.581E-20	1.8946E-18	0.405631	hyper	sig	chr20_1313428

chr2	2.42E+08	241804054	+	8.588E-20	1.896E-18	0.249773	hyper	sig	chr2_241804054
chr6	10886906	10886906	+	8.591E-20	1.8966E-18	0.276057	hyper	sig	chr6_10886906
chr16	86497189	86497189	+	8.594E-20	1.8971E-18	0.294543	hyper	sig	chr16_86497189
chr2	68319956	68319956	+	8.594E-20	1.8973E-18	0.317988	hyper	sig	chr2_68319956
chr22	29581932	29581932	+	8.595E-20	1.8973E-18	-0.29792	hypo	sig	chr22_29581932
chr19	35797842	35797842	+	8.596E-20	1.8975E-18	0.261759	hyper	sig	chr19_35797842
chr17	74114097	74114097	+	8.601E-20	1.8985E-18	0.331729	hyper	sig	chr17_74114097
chr20	46246758	46246758	+	8.604E-20	1.8992E-18	0.300447	hyper	sig	chr20_46246758
chr18	904959	904959	+	8.605E-20	1.8994E-18	0.265324	hyper	sig	chr18_904959
chr8	98949666	98949666	+	8.633E-20	1.9055E-18	0.311129	hyper	sig	chr8_98949666
chr10	15718944	15718944	+	8.637E-20	1.9064E-18	0.330396	hyper	sig	chr10_15718944
chr16	87487842	87487842	+	8.644E-20	1.9077E-18	-0.26847	hypo	sig	chr16_87487842
chr5	5146152	5146152	+	8.644E-20	1.9077E-18	-0.43695	hypo	sig	chr5_5146152
chr14	56797508	56797508	+	8.648E-20	1.9087E-18	0.311756	hyper	sig	chr14_56797508
chr20	62704200	62704200	+	8.65E-20	1.909E-18	-0.26557	hypo	sig	chr20_62704200
chr7	1.58E+08	157854371	+	8.651E-20	1.9091E-18	-0.31411	hypo	sig	chr7_157854371
chr7	88759014	88759014	+	8.652E-20	1.9093E-18	0.422798	hyper	sig	chr7_88759014
chr3	48552619	48552619	+	8.654E-20	1.9098E-18	-0.26782	hypo	sig	chr3_48552619
chr19	39308334	39308334	+	8.659E-20	1.9107E-18	0.388059	hyper	sig	chr19_39308334
chr6	30071236	30071236	+	8.67E-20	1.9132E-18	0.338557	hyper	sig	chr6_30071236
chr3	1.47E+08	147423145	+	8.68E-20	1.9152E-18	0.298428	hyper	sig	chr3_147423145
chr16	51150216	51150216	+	8.691E-20	1.9177E-18	0.2947	hyper	sig	chr16_51150216
chr10	1.01E+08	101132361	+	8.7E-20	1.9195E-18	0.35294	hyper	sig	chr10_101132361
chr14	47675053	47675053	+	8.7E-20	1.9195E-18	0.359872	hyper	sig	chr14_47675053
chr14	1.01E+08	101442528	+	8.701E-20	1.9197E-18	-0.2488	hypo	sig	chr14_101442528
chr9	1.1E+08	109535274	+	8.701E-20	1.9197E-18	-0.23311	hypo	sig	chr9_109535274
chr20	40687578	40687578	+	8.706E-20	1.9207E-18	0.20104	hyper	sig	chr20_40687578
chr16	50671851	50671851	+	8.707E-20	1.9209E-18	0.274823	hyper	sig	chr16_50671851
chr8	56113681	56113681	+	8.708E-20	1.9209E-18	0.332195	hyper	sig	chr8_56113681
chr5	59893580	59893580	+	8.71E-20	1.9213E-18	0.318333	hyper	sig	chr5_59893580
chr19	56765346	56765346	+	8.71E-20	1.9214E-18	0.293327	hyper	sig	chr19_56765346
chr12	1.31E+08	131380815	+	8.722E-20	1.9239E-18	0.339909	hyper	sig	chr12_131380815
chr2	1.11E+08	111366491	+	8.722E-20	1.9239E-18	0.393392	hyper	sig	chr2_111366491
chr8	48923444	48923444	+	8.723E-20	1.9241E-18	-0.35835	hypo	sig	chr8_48923444
chr20	45316786	45316786	+	8.724E-20	1.9242E-18	0.354545	hyper	sig	chr20_45316786
chr6	31765981	31765981	+	8.731E-20	1.9257E-18	0.23951	hyper	sig	chr6_31765981
chr11	69216675	69216675	+	8.751E-20	1.93E-18	-0.23696	hypo	sig	chr11_69216675
chr10	99527916	99527916	+	8.759E-20	1.9316E-18	0.278764	hyper	sig	chr10_99527916
chr11	3435231	3435231	+	8.767E-20	1.9334E-18	-0.25446	hypo	sig	chr11_3435231
chr17	4785412	4785412	+	8.768E-20	1.9335E-18	0.206001	hyper	sig	chr17_4785412
chr8	53877171	53877171	+	8.77E-20	1.934E-18	0.353993	hyper	sig	chr8_53877171
chr20	43916486	43916486	+	8.772E-20	1.9343E-18	0.365874	hyper	sig	chr20_43916486
chr12	34106163	34106163	+	8.779E-20	1.9358E-18	-0.26498	hypo	sig	chr12_34106163
chr7	1842403	1842403	+	8.788E-20	1.9376E-18	-0.24049	hypo	sig	chr7_1842403
chr7	1.5E+08	150219568	+	8.793E-20	1.9388E-18	0.267303	hyper	sig	chr7_150219568
chr16	31471297	31471297	+	8.805E-20	1.9412E-18	0.264159	hyper	sig	chr16_31471297
chr16	89202279	89202279	+	8.805E-20	1.9413E-18	0.264886	hyper	sig	chr16_89202279
chr3	12938342	12938342	+	8.816E-20	1.9436E-18	0.426392	hyper	sig	chr3_12938342
chr1	1.14E+08	114154730	+	8.818E-20	1.9442E-18	0.257165	hyper	sig	chr1_114154730
chr19	611388	611388	+	8.819E-20	1.9443E-18	-0.26795	hypo	sig	chr19_611388
chr1	2879689	2879689	+	8.822E-20	1.9448E-18	-0.27852	hypo	sig	chr1_2879689
chr17	34156533	34156533	+	8.837E-20	1.9481E-18	0.28719	hyper	sig	chr17_34156533
chr10	1.32E+08	132226844	+	8.838E-20	1.9483E-18	-0.20672	hypo	sig	chr10_132226844
chr1	7660905	7660905	+	8.847E-20	1.9501E-18	-0.28026	hypo	sig	chr1_7660905
chr19	15457770	15457770	+	8.854E-20	1.9516E-18	0.266447	hyper	sig	chr19_15457770
chr5	10562965	10562965	+	8.868E-20	1.9546E-18	0.322727	hyper	sig	chr5_10562965

chr15	96052988	96052988	+	8.868E-20	1.9546E-18	-0.30155	hypo	sig	chr15_96052988
chr13	99975118	99975118	+	8.871E-20	1.9552E-18	0.274267	hyper	sig	chr13_99975118
chr12	72271471	72271471	+	8.873E-20	1.9555E-18	0.329571	hyper	sig	chr12_72271471
chr2	40452423	40452423	+	8.874E-20	1.9558E-18	0.249424	hyper	sig	chr2_40452423
chr6	28816684	28816684	+	8.875E-20	1.9559E-18	0.225828	hyper	sig	chr6_28816684
chr1	2305209	2305209	+	8.881E-20	1.9572E-18	0.292272	hyper	sig	chr1_2305209
chr2	44930153	44930153	+	8.881E-20	1.9572E-18	0.299463	hyper	sig	chr2_44930153
chr1	1217974	1217974	+	8.893E-20	1.9597E-18	-0.28901	hypo	sig	chr1_1217974
chr1	25890737	25890737	+	8.9E-20	1.9611E-18	-0.28782	hypo	sig	chr1_25890737
chr17	8327441	8327441	+	8.904E-20	1.962E-18	0.286556	hyper	sig	chr17_8327441
chr6	50714627	50714627	+	8.906E-20	1.9624E-18	0.238375	hyper	sig	chr6_50714627
chr13	99989083	99989083	+	8.907E-20	1.9625E-18	0.215461	hyper	sig	chr13_99989083
chr11	1.09E+08	109423521	+	8.914E-20	1.964E-18	0.298603	hyper	sig	chr11_109423521
chr8	64369665	64369665	+	8.914E-20	1.964E-18	0.227902	hyper	sig	chr8_64369665
chr14	24172308	24172308	+	8.92E-20	1.9652E-18	0.26998	hyper	sig	chr14_24172308
chr11	71589884	71589884	+	8.92E-20	1.9652E-18	-0.27987	hypo	sig	chr11_71589884
chr16	4556840	4556840	+	8.925E-20	1.9662E-18	-0.32873	hypo	sig	chr16_4556840
chr16	86459357	86459357	+	8.941E-20	1.9697E-18	0.289189	hyper	sig	chr16_86459357
chr16	86575257	86575257	+	8.945E-20	1.9706E-18	0.263602	hyper	sig	chr16_86575257
chr6	41249422	41249422	+	8.956E-20	1.973E-18	-0.30227	hypo	sig	chr6_41249422
chr7	43311829	43311829	+	8.962E-20	1.974E-18	-0.2343	hypo	sig	chr7_43311829
chr10	1.19E+08	118595188	+	8.977E-20	1.9773E-18	0.321679	hyper	sig	chr10_118595188
chr17	45785595	45785595	+	8.978E-20	1.9775E-18	0.239428	hyper	sig	chr17_45785595
chr12	84910769	84910769	+	8.982E-20	1.9784E-18	0.310158	hyper	sig	chr12_84910769
chr2	44934100	44934100	+	8.997E-20	1.9814E-18	0.352186	hyper	sig	chr2_44934100
chr8	1512377	1512377	+	8.997E-20	1.9814E-18	0.259551	hyper	sig	chr8_1512377
chr7	50502414	50502414	+	9E-20	1.9819E-18	0.279368	hyper	sig	chr7_50502414
chr7	1055334	1055334	+	9.003E-20	1.9826E-18	0.316188	hyper	sig	chr7_1055334
chr1	17149305	17149305	+	9.018E-20	1.9858E-18	0.376961	hyper	sig	chr1_17149305
chr1	2876090	2876090	+	9.024E-20	1.9872E-18	0.201414	hyper	sig	chr1_2876090
chr3	1.58E+08	158095592	+	9.027E-20	1.9876E-18	0.278269	hyper	sig	chr3_158095592
chr6	1.08E+08	108174474	+	9.027E-20	1.9877E-18	0.267573	hyper	sig	chr6_108174474
chr10	49613465	49613465	+	9.046E-20	1.9918E-18	0.282433	hyper	sig	chr10_49613465
chr3	1.26E+08	125698562	+	9.052E-20	1.993E-18	-0.25803	hypo	sig	chr3_125698562
chr15	26629938	26629938	+	9.057E-20	1.9941E-18	-0.27287	hypo	sig	chr15_26629938
chr13	1.11E+08	111422512	+	9.063E-20	1.9954E-18	-0.29999	hypo	sig	chr13_111422512
chr3	1.82E+08	181724031	+	9.072E-20	1.9973E-18	0.262279	hyper	sig	chr3_181724031
chr19	50658834	50658834	+	9.082E-20	1.9993E-18	0.418008	hyper	sig	chr19_50658834
chr2	2.32E+08	231514945	+	9.087E-20	2.0003E-18	0.271084	hyper	sig	chr2_231514945
chr2	23563775	23563775	+	9.089E-20	2.0007E-18	0.294045	hyper	sig	chr2_23563775
chr9	97852568	97852568	+	9.093E-20	2.0017E-18	0.362353	hyper	sig	chr9_97852568
chr20	61925552	61925552	+	9.106E-20	2.0044E-18	-0.3653	hypo	sig	chr20_61925552
chr10	1.01E+08	100659534	+	9.124E-20	2.0082E-18	0.324835	hyper	sig	chr10_100659534
chr11	66049097	66049097	+	9.126E-20	2.0088E-18	0.292089	hyper	sig	chr11_66049097
chr5	1.41E+08	141427751	+	9.13E-20	2.0094E-18	0.314795	hyper	sig	chr5_141427751
chr10	1.17E+08	117133036	+	9.13E-20	2.0095E-18	0.23437	hyper	sig	chr10_117133036
chr11	313354	313354	+	9.13E-20	2.0095E-18	-0.26725	hypo	sig	chr11_313354
chr8	23705623	23705623	+	9.133E-20	2.01E-18	0.336107	hyper	sig	chr8_23705623
chr20	32457356	32457356	+	9.135E-20	2.0102E-18	0.397515	hyper	sig	chr20_32457356
chr3	1.47E+08	147412013	+	9.135E-20	2.0102E-18	0.353152	hyper	sig	chr3_147412013
chr7	1.17E+08	117323491	+	9.152E-20	2.0141E-18	0.260563	hyper	sig	chr7_117323491
chr22	50737979	50737979	+	9.154E-20	2.0144E-18	-0.29703	hypo	sig	chr22_50737979
chr19	1357018	1357018	+	9.155E-20	2.0145E-18	0.251971	hyper	sig	chr19_1357018
chr1	57423086	57423086	+	9.156E-20	2.0147E-18	0.301749	hyper	sig	chr1_57423086
chr7	97027502	97027502	+	9.157E-20	2.015E-18	0.236637	hyper	sig	chr7_97027502
chr20	46010813	46010813	+	9.172E-20	2.0181E-18	0.280994	hyper	sig	chr20_46010813

chr17	82883258	82883258	+	9.172E-20	2.0181E-18	-0.30335	hypo	sig	chr17_82883258
chr10	1.25E+08	125138344	+	9.181E-20	2.0199E-18	-0.25769	hypo	sig	chr10_125138344
chr5	422405	422405	+	9.183E-20	2.0204E-18	-0.28417	hypo	sig	chr5_422405
chr13	1.1E+08	110129317	+	9.189E-20	2.0216E-18	-0.28749	hypo	sig	chr13_110129317
chr5	1.41E+08	141224882	+	9.199E-20	2.0239E-18	0.323339	hyper	sig	chr5_141224882
chr5	5495246	5495246	+	9.207E-20	2.0255E-18	0.287162	hyper	sig	chr5_5495246
chr12	9943316	9943316	+	9.222E-20	2.0286E-18	0.250522	hyper	sig	chr12_9943316
chr5	16180265	16180265	+	9.227E-20	2.0298E-18	0.303516	hyper	sig	chr5_16180265
chr10	15719343	15719343	+	9.234E-20	2.0313E-18	0.229416	hyper	sig	chr10_15719343
chr16	29808808	29808808	+	9.237E-20	2.0318E-18	0.28445	hyper	sig	chr16_29808808
chr6	57800227	57800227	+	9.237E-20	2.0318E-18	0.319127	hyper	sig	chr6_57800227
chr6	6004212	6004212	+	9.239E-20	2.0321E-18	0.289775	hyper	sig	chr6_6004212
chr3	1.3E+08	129594059	+	9.244E-20	2.0332E-18	-0.24817	hypo	sig	chr3_129594059
chr19	6482209	6482209	+	9.249E-20	2.0343E-18	-0.30385	hypo	sig	chr19_6482209
chr11	65872452	65872452	+	9.256E-20	2.0357E-18	0.358479	hyper	sig	chr11_65872452
chr5	1.41E+08	140856022	+	9.26E-20	2.0365E-18	0.284923	hyper	sig	chr5_140856022
chr4	5711814	5711814	+	9.268E-20	2.0383E-18	0.27015	hyper	sig	chr4_5711814
chr11	1.34E+08	133845616	+	9.272E-20	2.039E-18	-0.28394	hypo	sig	chr11_133845616
chr16	81693116	81693116	+	9.283E-20	2.0413E-18	0.262568	hyper	sig	chr16_81693116
chr21	36705097	36705097	+	9.292E-20	2.0432E-18	0.332434	hyper	sig	chr21_36705097
chr5	1.46E+08	146337646	+	9.296E-20	2.044E-18	0.37971	hyper	sig	chr5_146337646
chr13	1.1E+08	110341205	+	9.298E-20	2.0443E-18	0.279452	hyper	sig	chr13_110341205
chr1	38044449	38044449	+	9.302E-20	2.0452E-18	0.273238	hyper	sig	chr1_38044449
chr2	28346770	28346770	+	9.302E-20	2.0452E-18	0.282462	hyper	sig	chr2_28346770
chr2	44166292	44166292	+	9.315E-20	2.0479E-18	0.269989	hyper	sig	chr2_44166292
chr6	1.33E+08	133241667	+	9.317E-20	2.0483E-18	0.43138	hyper	sig	chr6_133241667
chr6	1625225	1625225	+	9.321E-20	2.0491E-18	0.263299	hyper	sig	chr6_1625225
chr11	1.23E+08	122777386	+	9.323E-20	2.0496E-18	-0.28976	hypo	sig	chr11_122777386
chr9	1.22E+08	122219266	+	9.327E-20	2.0503E-18	0.22704	hyper	sig	chr9_122219266
chr8	71558499	71558499	+	9.33E-20	2.051E-18	0.308183	hyper	sig	chr8_71558499
chr5	1882905	1882905	+	9.336E-20	2.0521E-18	0.326175	hyper	sig	chr5_1882905
chr2	1.18E+08	117836148	+	9.339E-20	2.0528E-18	0.207927	hyper	sig	chr2_117836148
chr7	1.43E+08	142797172	+	9.349E-20	2.0549E-18	0.25773	hyper	sig	chr7_142797172
chr2	1.92E+08	192195580	+	9.351E-20	2.0554E-18	0.292996	hyper	sig	chr2_192195580
chr17	45785634	45785634	+	9.356E-20	2.0564E-18	0.321678	hyper	sig	chr17_45785634
chr11	31824123	31824123	+	9.357E-20	2.0566E-18	0.2883	hyper	sig	chr11_31824123
chr2	1.9E+08	190343276	+	9.364E-20	2.0581E-18	-0.27711	hypo	sig	chr2_190343276
chr11	78196286	78196286	+	9.377E-20	2.0609E-18	0.364779	hyper	sig	chr11_78196286
chr19	52369886	52369886	+	9.392E-20	2.064E-18	0.208266	hyper	sig	chr19_52369886
chr20	62220907	62220907	+	9.397E-20	2.0651E-18	0.285657	hyper	sig	chr20_62220907
chr20	59934212	59934212	+	9.398E-20	2.0652E-18	0.230525	hyper	sig	chr20_59934212
chr7	28411068	28411068	+	9.41E-20	2.0679E-18	0.231996	hyper	sig	chr7_28411068
chr13	26760224	26760224	+	9.413E-20	2.0684E-18	0.26492	hyper	sig	chr13_26760224
chr8	54457648	54457648	+	9.415E-20	2.0689E-18	0.310476	hyper	sig	chr8_54457648
chr20	24471272	24471272	+	9.435E-20	2.073E-18	0.272767	hyper	sig	chr20_24471272
chr1	66534094	66534094	+	9.44E-20	2.0741E-18	0.230096	hyper	sig	chr1_66534094
chr22	46085146	46085146	+	9.448E-20	2.0758E-18	-0.38753	hypo	sig	chr22_46085146
chr3	21271928	21271928	+	9.449E-20	2.076E-18	-0.2576	hypo	sig	chr3_21271928
chr16	88842078	88842078	+	9.455E-20	2.0773E-18	-0.29103	hypo	sig	chr16_88842078
chr6	1.06E+08	105993035	+	9.467E-20	2.0798E-18	0.266158	hyper	sig	chr6_105993035
chr19	22422040	22422040	+	9.48E-20	2.0827E-18	0.324133	hyper	sig	chr19_22422040
chr16	89154272	89154272	+	9.49E-20	2.0847E-18	-0.32664	hypo	sig	chr16_89154272
chr8	1.41E+08	141170010	+	9.493E-20	2.0853E-18	0.270233	hyper	sig	chr8_141170010
chr5	43034258	43034258	+	9.494E-20	2.0856E-18	0.373214	hyper	sig	chr5_43034258
chr6	33276437	33276437	+	9.512E-20	2.0892E-18	-0.27094	hypo	sig	chr6_33276437
chr6	1.67E+08	167286448	+	9.512E-20	2.0892E-18	-0.27736	hypo	sig	chr6_167286448

chr12	2231713	2231713	+	9.513E-20	2.0894E-18	-0.28202	hypo	sig	chr12_2231713
chr20	63047770	63047770	+	9.515E-20	2.0899E-18	-0.24109	hypo	sig	chr20_63047770
chr1	1.21E+08	121117940	+	9.517E-20	2.0903E-18	0.277603	hyper	sig	chr1_121117940
chr15	96416960	96416960	+	9.528E-20	2.0926E-18	0.311651	hyper	sig	chr15_96416960
chr7	97021960	97021960	+	9.53E-20	2.0929E-18	0.408451	hyper	sig	chr7_97021960
chr4	95549836	95549836	+	9.533E-20	2.0934E-18	0.242608	hyper	sig	chr4_95549836
chr17	56597853	56597853	+	9.535E-20	2.0939E-18	0.215552	hyper	sig	chr17_56597853
chr1	2.1E+08	210252730	+	9.54E-20	2.0948E-18	-0.29783	hypo	sig	chr1_210252730
chr20	37517667	37517667	+	9.543E-20	2.0955E-18	0.234957	hyper	sig	chr20_37517667
chr5	1.81E+08	181059646	+	9.553E-20	2.0976E-18	0.2086	hyper	sig	chr5_181059646
chr4	1.76E+08	176001654	+	9.556E-20	2.0982E-18	0.22417	hyper	sig	chr4_176001654
chr21	41765466	41765466	+	9.564E-20	2.0999E-18	-0.31604	hypo	sig	chr21_41765466
chr12	1.14E+08	114408607	+	9.567E-20	2.1006E-18	0.223843	hyper	sig	chr12_114408607
chr20	31843955	31843955	+	9.569E-20	2.1008E-18	-0.28079	hypo	sig	chr20_31843955
chr12	64390718	64390718	+	9.574E-20	2.1018E-18	0.284711	hyper	sig	chr12_64390718
chr2	1.19E+08	119260839	+	9.575E-20	2.1021E-18	0.287709	hyper	sig	chr2_119260839
chr10	27744940	27744940	+	9.578E-20	2.1026E-18	0.270131	hyper	sig	chr10_27744940
chr11	92911560	92911560	+	9.59E-20	2.1052E-18	-0.23272	hypo	sig	chr11_92911560
chr11	1.23E+08	123431339	+	9.591E-20	2.1052E-18	0.287516	hyper	sig	chr11_123431339
chr6	50706950	50706950	+	9.594E-20	2.1059E-18	0.30721	hyper	sig	chr6_50706950
chr6	83709682	83709682	+	9.596E-20	2.1063E-18	0.346112	hyper	sig	chr6_83709682
chr6	27566331	27566331	+	9.603E-20	2.1077E-18	0.333819	hyper	sig	chr6_27566331
chr19	36331525	36331525	+	9.604E-20	2.1078E-18	0.263799	hyper	sig	chr19_36331525
chr12	2057715	2057715	+	9.607E-20	2.1084E-18	0.274127	hyper	sig	chr12_2057715
chr3	1.67E+08	166976732	+	9.618E-20	2.1108E-18	-0.31822	hypo	sig	chr3_166976732
chr1	21933566	21933566	+	9.619E-20	2.111E-18	0.370821	hyper	sig	chr1_21933566
chr19	57709002	57709002	+	9.621E-20	2.1114E-18	0.288856	hyper	sig	chr19_57709002
chr2	2.22E+08	222298228	+	9.626E-20	2.1124E-18	0.221936	hyper	sig	chr2_222298228
chr10	13891690	13891690	+	9.628E-20	2.1127E-18	0.282319	hyper	sig	chr10_13891690
chr17	43400093	43400093	+	9.631E-20	2.1134E-18	0.254057	hyper	sig	chr17_43400093
chr7	27163811	27163811	+	9.632E-20	2.1135E-18	0.267293	hyper	sig	chr7_27163811
chr13	99972068	99972068	+	9.643E-20	2.1158E-18	0.334507	hyper	sig	chr13_99972068
chr9	34809563	34809563	+	9.643E-20	2.1158E-18	0.283915	hyper	sig	chr9_34809563
chr5	1417539	1417539	+	9.644E-20	2.1159E-18	-0.37826	hypo	sig	chr5_1417539
chr14	1.01E+08	101062212	+	9.644E-20	2.116E-18	-0.28942	hypo	sig	chr14_101062212
chr16	86819158	86819158	+	9.661E-20	2.1195E-18	-0.26823	hypo	sig	chr16_86819158
chr14	28774476	28774476	+	9.672E-20	2.1219E-18	0.287636	hyper	sig	chr14_28774476
chr15	25234858	25234858	+	9.675E-20	2.1225E-18	-0.27308	hypo	sig	chr15_25234858
chr13	37869950	37869950	+	9.677E-20	2.1229E-18	0.269878	hyper	sig	chr13_37869950
chr3	1.47E+08	147388271	+	9.678E-20	2.123E-18	0.231214	hyper	sig	chr3_147388271
chr1	1.81E+08	180926682	+	9.679E-20	2.1232E-18	0.321146	hyper	sig	chr1_180926682
chr2	2.18E+08	218290745	+	9.692E-20	2.126E-18	-0.30578	hypo	sig	chr2_218290745
chr5	73311754	73311754	+	9.697E-20	2.127E-18	0.315096	hyper	sig	chr5_73311754
chr7	1040951	1040951	+	9.7E-20	2.1277E-18	0.291442	hyper	sig	chr7_1040951
chr5	1.33E+08	132748392	+	9.709E-20	2.1295E-18	-0.29353	hypo	sig	chr5_132748392
chr10	1.32E+08	132249060	+	9.714E-20	2.1306E-18	-0.30567	hypo	sig	chr10_132249060
chr6	28765928	28765928	+	9.715E-20	2.1308E-18	0.25433	hyper	sig	chr6_28765928
chr11	1.29E+08	128694299	+	9.725E-20	2.1328E-18	0.389831	hyper	sig	chr11_128694299
chr22	46390967	46390967	+	9.727E-20	2.1333E-18	-0.33293	hypo	sig	chr22_46390967
chr14	1.01E+08	100821363	+	9.73E-20	2.1339E-18	-0.2524	hypo	sig	chr14_100821363
chr20	46314416	46314416	+	9.744E-20	2.1369E-18	-0.34905	hypo	sig	chr20_46314416
chr6	1.37E+08	137495351	+	9.763E-20	2.141E-18	0.247543	hyper	sig	chr6_137495351
chr1	7063255	7063255	+	9.768E-20	2.1419E-18	-0.33612	hypo	sig	chr1_7063255
chr16	89248063	89248063	+	9.768E-20	2.1419E-18	0.322052	hyper	sig	chr16_89248063
chr12	644028	644028	+	9.784E-20	2.1453E-18	-0.25059	hypo	sig	chr12_644028
chr16	29252028	29252028	+	9.784E-20	2.1454E-18	-0.32401	hypo	sig	chr16_29252028

chr19	50943697	50943697	+	9.798E-20	2.1482E-18	-0.30018	hypo	sig	chr19_50943697
chr6	13014882	13014882	+	9.814E-20	2.1518E-18	0.274325	hyper	sig	chr6_13014882
chr1	4583970	4583970	+	9.819E-20	2.1528E-18	-0.29401	hypo	sig	chr1_4583970
chr21	37006182	37006182	+	9.819E-20	2.1528E-18	0.314695	hyper	sig	chr21_37006182
chr11	32437055	32437055	+	9.821E-20	2.153E-18	0.293529	hyper	sig	chr11_32437055
chr3	1.38E+08	137761827	+	9.822E-20	2.1533E-18	0.378296	hyper	sig	chr3_137761827
chr17	35487872	35487872	+	9.849E-20	2.1591E-18	0.237157	hyper	sig	chr17_35487872
chr19	57600370	57600370	+	9.853E-20	2.1599E-18	0.213801	hyper	sig	chr19_57600370
chr11	68370738	68370738	+	9.882E-20	2.1662E-18	0.389832	hyper	sig	chr11_68370738
chr7	1.55E+08	155373516	+	9.882E-20	2.1662E-18	0.259355	hyper	sig	chr7_155373516
chr16	68229437	68229437	+	9.896E-20	2.1691E-18	0.244359	hyper	sig	chr16_68229437
chr7	96998290	96998290	+	9.898E-20	2.1696E-18	0.245786	hyper	sig	chr7_96998290
chr1	2.36E+08	236396005	+	9.908E-20	2.1716E-18	0.343318	hyper	sig	chr1_236396005
chr18	47248555	47248555	+	9.915E-20	2.1732E-18	0.270317	hyper	sig	chr18_47248555
chr12	1.17E+08	117359404	+	9.923E-20	2.1747E-18	0.259927	hyper	sig	chr12_117359404
chr22	45867138	45867138	+	9.929E-20	2.176E-18	0.242963	hyper	sig	chr22_45867138
chr20	9515931	9515931	+	9.934E-20	2.1771E-18	0.286572	hyper	sig	chr20_9515931
chr12	89356045	89356045	+	9.94E-20	2.1783E-18	-0.20731	hypo	sig	chr12_89356045
chr5	1.6E+08	160280626	+	9.951E-20	2.1807E-18	-0.31864	hypo	sig	chr5_160280626
chr7	54549938	54549938	+	9.958E-20	2.1821E-18	-0.25595	hypo	sig	chr7_54549938
chr1	8211982	8211982	+	9.958E-20	2.1821E-18	-0.28336	hypo	sig	chr1_8211982
chr6	75312602	75312602	+	9.959E-20	2.1822E-18	-0.30741	hypo	sig	chr6_75312602
chr19	10847033	10847033	+	9.962E-20	2.1828E-18	-0.22335	hypo	sig	chr19_10847033
chr3	51955790	51955790	+	9.964E-20	2.1833E-18	0.294626	hyper	sig	chr3_51955790
chr16	84146444	84146444	+	9.967E-20	2.1838E-18	-0.30079	hypo	sig	chr16_84146444
chr1	2.08E+08	207645184	+	9.97E-20	2.1844E-18	0.247634	hyper	sig	chr1_207645184
chr5	1.41E+08	140875861	+	9.981E-20	2.1867E-18	0.306117	hyper	sig	chr5_140875861
chr7	57404616	57404616	+	1.001E-19	2.192E-18	0.28216	hyper	sig	chr7_57404616
chr12	1.14E+08	114404244	+	1.001E-19	2.194E-18	0.204824	hyper	sig	chr12_114404244
chr12	1.24E+08	124387590	+	1.002E-19	2.1949E-18	0.326124	hyper	sig	chr12_124387590
chr18	9535811	9535811	+	1.003E-19	2.1978E-18	0.352471	hyper	sig	chr18_9535811
chr13	31945923	31945923	+	1.004E-19	2.1991E-18	-0.30577	hypo	sig	chr13_31945923
chr17	63941602	63941602	+	1.004E-19	2.1991E-18	-0.35122	hypo	sig	chr17_63941602
chr17	19745677	19745677	+	1.004E-19	2.1997E-18	-0.24759	hypo	sig	chr17_19745677
chr7	945263	945263	+	1.005E-19	2.2016E-18	-0.34963	hypo	sig	chr7_945263
chr2	2.42E+08	241902617	+	1.005E-19	2.2023E-18	0.305187	hyper	sig	chr2_241902617
chr4	1.33E+08	133148155	+	1.008E-19	2.2086E-18	0.239244	hyper	sig	chr4_133148155
chr10	75405311	75405311	+	1.01E-19	2.2116E-18	-0.30809	hypo	sig	chr10_75405311
chr17	82900962	82900962	+	1.01E-19	2.212E-18	0.209153	hyper	sig	chr17_82900962
chr19	45553681	45553681	+	1.01E-19	2.2121E-18	0.2878	hyper	sig	chr19_45553681
chr1	2.45E+08	245301475	+	1.01E-19	2.2125E-18	0.318145	hyper	sig	chr1_245301475
chr8	38770640	38770640	+	1.011E-19	2.2144E-18	0.282481	hyper	sig	chr8_38770640
chr15	45378830	45378830	+	1.012E-19	2.2164E-18	0.255273	hyper	sig	chr15_45378830
chr6	1.08E+08	108165176	+	1.012E-19	2.217E-18	0.315679	hyper	sig	chr6_108165176
chr12	52116061	52116061	+	1.013E-19	2.2174E-18	-0.25706	hypo	sig	chr12_52116061
chr5	1.77E+08	176877595	+	1.013E-19	2.219E-18	-0.30873	hypo	sig	chr5_176877595
chr11	43577422	43577422	+	1.014E-19	2.2213E-18	0.282822	hyper	sig	chr11_43577422
chr2	26847472	26847472	+	1.015E-19	2.2223E-18	0.27428	hyper	sig	chr2_26847472
chr21	44999283	44999283	+	1.016E-19	2.225E-18	-0.28741	hypo	sig	chr21_44999283
chr4	1.09E+08	109302423	+	1.016E-19	2.2253E-18	0.205053	hyper	sig	chr4_109302423
chr15	79091519	79091519	+	1.017E-19	2.2264E-18	0.224224	hyper	sig	chr15_79091519
chr8	96495378	96495378	+	1.017E-19	2.2272E-18	0.203795	hyper	sig	chr8_96495378
chr2	2.18E+08	217755519	+	1.019E-19	2.2308E-18	-0.43999	hypo	sig	chr2_217755519
chr20	872918	872918	+	1.019E-19	2.2308E-18	-0.29167	hypo	sig	chr20_872918
chr3	62369292	62369292	+	1.019E-19	2.2316E-18	0.351383	hyper	sig	chr3_62369292
chr19	10294468	10294468	+	1.02E-19	2.2326E-18	0.281993	hyper	sig	chr19_10294468

chr1	2.21E+08	220895688	+	1.02E-19	2.2339E-18	0.383285	hyper	sig	chr1_220895688
chr13	1.1E+08	110309505	+	1.02E-19	2.2339E-18	0.301657	hyper	sig	chr13_110309505
chr19	58440745	58440745	+	1.021E-19	2.2339E-18	0.284155	hyper	sig	chr19_58440745
chr11	64061293	64061293	+	1.021E-19	2.2347E-18	0.311638	hyper	sig	chr11_64061293
chr1	981483	981483	+	1.021E-19	2.2358E-18	-0.30672	hypo	sig	chr1_981483
chr1	1.47E+08	147079589	+	1.022E-19	2.2367E-18	0.414092	hyper	sig	chr1_147079589
chr7	1.35E+08	135182294	+	1.023E-19	2.2387E-18	-0.21224	hypo	sig	chr7_135182294
chr2	2.32E+08	232486795	+	1.023E-19	2.2391E-18	0.296443	hyper	sig	chr2_232486795
chr10	1.01E+08	101132705	+	1.023E-19	2.2397E-18	0.382976	hyper	sig	chr10_101132705
chr12	52233572	52233572	+	1.024E-19	2.24E-18	0.331834	hyper	sig	chr12_52233572
chr8	1.06E+08	106271931	+	1.024E-19	2.2402E-18	0.288699	hyper	sig	chr8_106271931
chr3	75671053	75671053	+	1.026E-19	2.245E-18	0.29087	hyper	sig	chr3_75671053
chr22	39364324	39364324	+	1.026E-19	2.2452E-18	-0.29911	hypo	sig	chr22_39364324
chr16	72961260	72961260	+	1.026E-19	2.2458E-18	-0.30285	hypo	sig	chr16_72961260
chr14	23366729	23366729	+	1.027E-19	2.2463E-18	0.334568	hyper	sig	chr14_23366729
chr3	1.73E+08	173397899	+	1.027E-19	2.247E-18	0.207732	hyper	sig	chr3_173397899
chr3	1.92E+08	192408494	+	1.027E-19	2.2479E-18	0.334961	hyper	sig	chr3_192408494
chr12	75209700	75209700	+	1.028E-19	2.2489E-18	0.251428	hyper	sig	chr12_75209700
chr22	19756183	19756183	+	1.028E-19	2.2489E-18	0.302115	hyper	sig	chr22_19756183
chr17	80619981	80619981	+	1.028E-19	2.2494E-18	-0.23498	hypo	sig	chr17_80619981
chr17	17793068	17793068	+	1.028E-19	2.2499E-18	0.24941	hyper	sig	chr17_17793068
chr2	47273163	47273163	+	1.029E-19	2.2508E-18	-0.303	hypo	sig	chr2_47273163
chr4	8493896	8493896	+	1.029E-19	2.2511E-18	-0.27135	hypo	sig	chr4_8493896
chr1	2.36E+08	235642420	+	1.029E-19	2.2519E-18	-0.27904	hypo	sig	chr1_235642420
chr3	46577107	46577107	+	1.03E-19	2.2525E-18	0.338895	hyper	sig	chr3_46577107
chr13	19818352	19818352	+	1.03E-19	2.2535E-18	0.242213	hyper	sig	chr13_19818352
chr12	2634027	2634027	+	1.032E-19	2.2567E-18	-0.29706	hypo	sig	chr12_2634027
chr5	33297755	33297755	+	1.032E-19	2.2567E-18	-0.30457	hypo	sig	chr5_33297755
chr19	39415246	39415246	+	1.032E-19	2.2569E-18	0.259895	hyper	sig	chr19_39415246
chr19	18008255	18008255	+	1.032E-19	2.2576E-18	0.218753	hyper	sig	chr19_18008255
chr13	28494039	28494039	+	1.032E-19	2.2577E-18	0.24182	hyper	sig	chr13_28494039
chr16	1027615	1027615	+	1.032E-19	2.2577E-18	-0.31679	hypo	sig	chr16_1027615
chr10	49613534	49613534	+	1.034E-19	2.2615E-18	0.33722	hyper	sig	chr10_49613534
chr10	90857171	90857171	+	1.035E-19	2.2629E-18	0.340083	hyper	sig	chr10_90857171
chr11	1.29E+08	128549488	+	1.036E-19	2.2649E-18	0.289913	hyper	sig	chr11_128549488
chr19	3177373	3177373	+	1.036E-19	2.2653E-18	-0.28713	hypo	sig	chr19_3177373
chr22	36410520	36410520	+	1.037E-19	2.2673E-18	-0.2485	hypo	sig	chr22_36410520
chr1	1.19E+08	119006133	+	1.037E-19	2.2674E-18	0.377779	hyper	sig	chr1_119006133
chr6	42143002	42143002	+	1.037E-19	2.2674E-18	-0.22941	hypo	sig	chr6_42143002
chr1	2.28E+08	228465354	+	1.038E-19	2.2692E-18	0.251053	hyper	sig	chr1_228465354
chr1	2.28E+08	228465447	+	1.038E-19	2.2703E-18	0.327486	hyper	sig	chr1_228465447
chr19	2511425	2511425	+	1.038E-19	2.2703E-18	-0.22811	hypo	sig	chr19_2511425
chr20	45097916	45097916	+	1.039E-19	2.2722E-18	0.28593	hyper	sig	chr20_45097916
chr5	1.36E+08	136356297	+	1.04E-19	2.2739E-18	-0.37167	hypo	sig	chr5_136356297
chr2	2.06E+08	206444281	+	1.041E-19	2.2754E-18	0.2474	hyper	sig	chr2_206444281
chr1	63319902	63319902	+	1.042E-19	2.278E-18	0.279913	hyper	sig	chr1_63319902
chr8	1.2E+08	119674805	+	1.042E-19	2.278E-18	-0.38788	hypo	sig	chr8_119674805
chr22	46085408	46085408	+	1.043E-19	2.2792E-18	-0.25276	hypo	sig	chr22_46085408
chr18	905091	905091	+	1.043E-19	2.28E-18	0.319859	hyper	sig	chr18_905091
chr14	1.05E+08	104605045	+	1.044E-19	2.2818E-18	0.272094	hyper	sig	chr14_104605045
chr19	1005265	1005265	+	1.044E-19	2.2818E-18	-0.2083	hypo	sig	chr19_1005265
chr15	52788304	52788304	+	1.044E-19	2.2829E-18	0.286591	hyper	sig	chr15_52788304
chr16	29251788	29251788	+	1.045E-19	2.2849E-18	-0.32376	hypo	sig	chr16_29251788
chr13	94968687	94968687	+	1.046E-19	2.2857E-18	0.272712	hyper	sig	chr13_94968687
chr16	86618745	86618745	+	1.047E-19	2.2878E-18	-0.25333	hypo	sig	chr16_86618745
chr19	19514620	19514620	+	1.048E-19	2.2898E-18	0.325328	hyper	sig	chr19_19514620

chr4	1.21E+08	121380549	+	1.048E-19	2.2902E-18	0.305847	hyper	sig	chr4_121380549
chr14	28774525	28774525	+	1.05E-19	2.2942E-18	0.295892	hyper	sig	chr14_28774525
chr13	93228701	93228701	+	1.05E-19	2.2943E-18	0.283933	hyper	sig	chr13_93228701
chr13	1.13E+08	113178175	+	1.05E-19	2.2944E-18	0.237348	hyper	sig	chr13_113178175
chr2	1.19E+08	118849488	+	1.052E-19	2.2988E-18	0.271889	hyper	sig	chr2_118849488
chr19	36245712	36245712	+	1.052E-19	2.2996E-18	0.247352	hyper	sig	chr19_36245712
chr14	36663228	36663228	+	1.052E-19	2.2998E-18	0.261766	hyper	sig	chr14_36663228
chr7	1242504	1242504	+	1.053E-19	2.3015E-18	0.365916	hyper	sig	chr7_1242504
chr6	98825125	98825125	+	1.055E-19	2.3046E-18	0.344922	hyper	sig	chr6_98825125
chr6	31663929	31663929	+	1.056E-19	2.3065E-18	0.263677	hyper	sig	chr6_31663929
chr17	10127293	10127293	+	1.056E-19	2.3069E-18	-0.31523	hypo	sig	chr17_10127293
chr1	1.21E+08	121007112	+	1.056E-19	2.3077E-18	0.312687	hyper	sig	chr1_121007112
chr12	1.17E+08	117189541	+	1.056E-19	2.308E-18	0.283666	hyper	sig	chr12_117189541
chr16	87417205	87417205	+	1.056E-19	2.3081E-18	0.307024	hyper	sig	chr16_87417205
chr2	1484637	1484637	+	1.057E-19	2.309E-18	-0.29613	hypo	sig	chr2_1484637
chr9	1.37E+08	136821270	+	1.057E-19	2.3094E-18	0.269326	hyper	sig	chr9_136821270
chr1	16972068	16972068	+	1.057E-19	2.3095E-18	0.317096	hyper	sig	chr1_16972068
chr14	56811495	56811495	+	1.057E-19	2.3095E-18	0.288216	hyper	sig	chr14_56811495
chr2	2.31E+08	230869873	+	1.058E-19	2.3102E-18	0.258389	hyper	sig	chr2_230869873
chr17	50835126	50835126	+	1.058E-19	2.3118E-18	0.324544	hyper	sig	chr17_50835126
chr19	10294470	10294470	+	1.058E-19	2.3118E-18	0.270245	hyper	sig	chr19_10294470
chr2	1.72E+08	172093596	+	1.058E-19	2.3118E-18	0.300685	hyper	sig	chr2_172093596
chr2	44955019	44955019	+	1.059E-19	2.3125E-18	0.224918	hyper	sig	chr2_44955019
chr6	28816790	28816790	+	1.059E-19	2.3133E-18	0.242476	hyper	sig	chr6_28816790
chr1	16938964	16938964	+	1.059E-19	2.3137E-18	0.27972	hyper	sig	chr1_16938964
chr7	1.52E+08	151796675	+	1.059E-19	2.3137E-18	-0.3742	hypo	sig	chr7_151796675
chr4	89836478	89836478	+	1.06E-19	2.3147E-18	0.244696	hyper	sig	chr4_89836478
chr8	23707199	23707199	+	1.06E-19	2.3147E-18	0.263594	hyper	sig	chr8_23707199
chr9	1.37E+08	137078948	+	1.06E-19	2.3155E-18	0.379412	hyper	sig	chr9_137078948
chr14	28774018	28774018	+	1.061E-19	2.316E-18	0.310503	hyper	sig	chr14_28774018
chr1	2.34E+08	233905101	+	1.061E-19	2.3163E-18	0.279386	hyper	sig	chr1_233905101
chr10	75405242	75405242	+	1.061E-19	2.3167E-18	-0.29213	hypo	sig	chr10_75405242
chr12	57478647	57478647	+	1.062E-19	2.3199E-18	-0.28601	hypo	sig	chr12_57478647
chr5	77972588	77972588	+	1.063E-19	2.3202E-18	0.285881	hyper	sig	chr5_77972588
chr17	81044874	81044874	+	1.063E-19	2.3208E-18	0.250378	hyper	sig	chr17_81044874
chr21	36706724	36706724	+	1.063E-19	2.3213E-18	0.292028	hyper	sig	chr21_36706724
chr18	14143665	14143665	+	1.063E-19	2.3216E-18	-0.35949	hypo	sig	chr18_14143665
chr2	1.09E+08	109031555	+	1.065E-19	2.3247E-18	0.219129	hyper	sig	chr2_109031555
chr9	1.34E+08	133918284	+	1.065E-19	2.325E-18	0.311244	hyper	sig	chr9_133918284
chr5	1.36E+08	135930209	+	1.065E-19	2.3257E-18	0.261756	hyper	sig	chr5_135930209
chr3	62371105	62371105	+	1.066E-19	2.3263E-18	0.365481	hyper	sig	chr3_62371105
chr4	7250679	7250679	+	1.066E-19	2.3271E-18	0.288229	hyper	sig	chr4_7250679
chr7	1.58E+08	158317376	+	1.067E-19	2.3285E-18	0.29412	hyper	sig	chr7_158317376
chr2	1.3E+08	130006027	+	1.067E-19	2.3299E-18	0.244138	hyper	sig	chr2_130006027
chr20	21102139	21102139	+	1.068E-19	2.3311E-18	0.2943	hyper	sig	chr20_21102139
chr8	1.42E+08	141762091	+	1.068E-19	2.3311E-18	0.238858	hyper	sig	chr8_141762091
chr2	1.19E+08	118835029	+	1.069E-19	2.333E-18	0.232592	hyper	sig	chr2_118835029
chr8	1.42E+08	141724073	+	1.069E-19	2.3331E-18	0.33838	hyper	sig	chr8_141724073
chr17	77477887	77477887	+	1.07E-19	2.3356E-18	0.231037	hyper	sig	chr17_77477887
chr22	19892268	19892268	+	1.073E-19	2.3406E-18	-0.21954	hypo	sig	chr22_19892268
chr10	1.33E+08	133106828	+	1.075E-19	2.3456E-18	-0.34557	hypo	sig	chr10_133106828
chr17	78133991	78133991	+	1.076E-19	2.3472E-18	-0.27865	hypo	sig	chr17_78133991
chr14	91400407	91400407	+	1.076E-19	2.3474E-18	-0.24141	hypo	sig	chr14_91400407
chr12	4909242	4909242	+	1.077E-19	2.3496E-18	0.298711	hyper	sig	chr12_4909242
chr13	1.11E+08	110869594	+	1.077E-19	2.3504E-18	-0.42015	hypo	sig	chr13_110869594
chr20	61023570	61023570	+	1.078E-19	2.3519E-18	-0.27335	hypo	sig	chr20_61023570

chr7	1.22E+08	122300577	+	1.078E-19	2.3524E-18	0.340845	hyper	sig	chr7_122300577
chr16	75206616	75206616	+	1.079E-19	2.3537E-18	-0.31499	hypo	sig	chr16_75206616
chr7	4860250	4860250	+	1.079E-19	2.3538E-18	-0.25826	hypo	sig	chr7_4860250
chr3	1.49E+08	149377775	+	1.08E-19	2.3561E-18	-0.29993	hypo	sig	chr3_149377775
chr16	51153714	51153714	+	1.081E-19	2.3577E-18	0.346611	hyper	sig	chr16_51153714
chr2	63056845	63056845	+	1.082E-19	2.3604E-18	0.264258	hyper	sig	chr2_63056845
chr2	1.76E+08	176078941	+	1.083E-19	2.3621E-18	0.29704	hyper	sig	chr2_176078941
chr5	1.41E+08	141332972	+	1.083E-19	2.3626E-18	0.300731	hyper	sig	chr5_141332972
chr3	1.47E+08	147380815	+	1.083E-19	2.3631E-18	0.303556	hyper	sig	chr3_147380815
chr3	1.38E+08	137761854	+	1.086E-19	2.3678E-18	0.325901	hyper	sig	chr3_137761854
chr19	43699564	43699564	+	1.086E-19	2.368E-18	0.251618	hyper	sig	chr19_43699564
chr11	313267	313267	+	1.086E-19	2.3688E-18	-0.28806	hypo	sig	chr11_313267
chr11	1.23E+08	122979814	+	1.087E-19	2.3712E-18	0.26844	hyper	sig	chr11_122979814
chr12	53955457	53955457	+	1.088E-19	2.3734E-18	0.300037	hyper	sig	chr12_53955457
chr16	614801	614801	+	1.089E-19	2.3747E-18	-0.24195	hypo	sig	chr16_614801
chr5	1.75E+08	175445105	+	1.089E-19	2.3753E-18	0.34226	hyper	sig	chr5_175445105
chr11	72244583	72244583	+	1.09E-19	2.3781E-18	0.280229	hyper	sig	chr11_72244583
chr8	28316675	28316675	+	1.091E-19	2.3794E-18	-0.26536	hypo	sig	chr8_28316675
chr3	62379096	62379096	+	1.091E-19	2.3795E-18	0.278632	hyper	sig	chr3_62379096
chr3	16536260	16536260	+	1.092E-19	2.3815E-18	-0.24483	hypo	sig	chr3_16536260
chr7	1.58E+08	158472261	+	1.094E-19	2.3854E-18	-0.34202	hypo	sig	chr7_158472261
chr4	21304269	21304269	+	1.097E-19	2.3915E-18	0.215595	hyper	sig	chr4_21304269
chr1	3247851	3247851	+	1.098E-19	2.3935E-18	0.223551	hyper	sig	chr1_3247851
chr2	1.71E+08	170717362	+	1.098E-19	2.3935E-18	0.309669	hyper	sig	chr2_170717362
chr8	48581615	48581615	+	1.098E-19	2.3935E-18	0.337019	hyper	sig	chr8_48581615
chr5	43034250	43034250	+	1.098E-19	2.3945E-18	0.357243	hyper	sig	chr5_43034250
chr7	45921660	45921660	+	1.098E-19	2.3947E-18	0.311452	hyper	sig	chr7_45921660
chr1	50416254	50416254	+	1.099E-19	2.3964E-18	0.290227	hyper	sig	chr1_50416254
chr2	2.38E+08	238226158	+	1.1E-19	2.3992E-18	0.20634	hyper	sig	chr2_238226158
chr1	24321748	24321748	+	1.101E-19	2.4011E-18	-0.31264	hypo	sig	chr1_24321748
chr3	1.32E+08	131526932	+	1.102E-19	2.4014E-18	0.325782	hyper	sig	chr3_131526932
chr3	1.58E+08	158095835	+	1.102E-19	2.4033E-18	0.267776	hyper	sig	chr3_158095835
chr7	12685798	12685798	+	1.102E-19	2.4033E-18	-0.2934	hypo	sig	chr7_12685798
chr3	1.39E+08	138940186	+	1.104E-19	2.4074E-18	0.32876	hyper	sig	chr3_138940186
chr19	21474727	21474727	+	1.105E-19	2.4084E-18	0.237557	hyper	sig	chr19_21474727
chr16	2127008	2127008	+	1.105E-19	2.4089E-18	0.278767	hyper	sig	chr16_2127008
chr17	34156621	34156621	+	1.106E-19	2.4096E-18	0.265623	hyper	sig	chr17_34156621
chr15	55588846	55588846	+	1.106E-19	2.4112E-18	0.212816	hyper	sig	chr15_55588846
chr11	15114933	15114933	+	1.107E-19	2.4117E-18	0.274683	hyper	sig	chr11_15114933
chr10	1.2E+08	120457503	+	1.108E-19	2.4152E-18	0.296598	hyper	sig	chr10_120457503
chr5	1.41E+08	140786564	+	1.108E-19	2.4152E-18	0.275133	hyper	sig	chr5_140786564
chr1	1.15E+08	114854873	+	1.109E-19	2.4161E-18	0.281955	hyper	sig	chr1_114854873
chr10	86263348	86263348	+	1.109E-19	2.4165E-18	0.33233	hyper	sig	chr10_86263348
chr16	88100811	88100811	+	1.11E-19	2.4195E-18	0.318193	hyper	sig	chr16_88100811
chr11	47374393	47374393	+	1.111E-19	2.4198E-18	-0.27893	hypo	sig	chr11_47374393
chr17	79132484	79132484	+	1.111E-19	2.4202E-18	-0.26776	hypo	sig	chr17_79132484
chr19	18007455	18007455	+	1.112E-19	2.4235E-18	0.220257	hyper	sig	chr19_18007455
chr1	1.48E+08	148354832	+	1.112E-19	2.4236E-18	0.232687	hyper	sig	chr1_148354832
chr4	3370212	3370212	+	1.113E-19	2.4239E-18	0.22828	hyper	sig	chr4_3370212
chr6	27260409	27260409	+	1.113E-19	2.4245E-18	0.259318	hyper	sig	chr6_27260409
chr5	33936562	33936562	+	1.113E-19	2.4246E-18	0.291341	hyper	sig	chr5_33936562
chr2	2.13E+08	212536712	+	1.114E-19	2.426E-18	0.334805	hyper	sig	chr2_212536712
chr8	11700688	11700688	+	1.114E-19	2.4263E-18	0.244308	hyper	sig	chr8_11700688
chr3	49686147	49686147	+	1.114E-19	2.4264E-18	0.280727	hyper	sig	chr3_49686147
chr7	63790682	63790682	+	1.114E-19	2.4267E-18	0.261509	hyper	sig	chr7_63790682
chr8	68330788	68330788	+	1.114E-19	2.4269E-18	0.34362	hyper	sig	chr8_68330788

chr16	54288396	54288396	+	1.115E-19	2.4294E-18	0.361161	hyper	sig	chr16_54288396
chr11	1.19E+08	119422068	+	1.116E-19	2.43E-18	0.219612	hyper	sig	chr11_119422068
chr14	21026002	21026002	+	1.116E-19	2.4303E-18	0.270749	hyper	sig	chr14_21026002
chr19	11387375	11387375	+	1.116E-19	2.4316E-18	-0.30591	hypo	sig	chr19_11387375
chr13	1.13E+08	113130137	+	1.117E-19	2.4322E-18	0.320547	hyper	sig	chr13_113130137
chr1	1.21E+08	121117962	+	1.118E-19	2.4338E-18	0.254187	hyper	sig	chr1_121117962
chr12	6377535	6377535	+	1.118E-19	2.4338E-18	-0.20868	hypo	sig	chr12_6377535
chr4	48484358	48484358	+	1.118E-19	2.4338E-18	0.343951	hyper	sig	chr4_48484358
chr17	79981623	79981623	+	1.118E-19	2.4343E-18	0.268415	hyper	sig	chr17_79981623
chr20	63521814	63521814	+	1.118E-19	2.4351E-18	0.308473	hyper	sig	chr20_63521814
chr4	1.84E+08	183917089	+	1.118E-19	2.4351E-18	-0.23321	hypo	sig	chr4_183917089
chr11	32428581	32428581	+	1.119E-19	2.437E-18	0.327152	hyper	sig	chr11_32428581
chr19	57934900	57934900	+	1.119E-19	2.4375E-18	0.324848	hyper	sig	chr19_57934900
chr3	1.39E+08	138939529	+	1.12E-19	2.4389E-18	0.253805	hyper	sig	chr3_138939529
chr17	48571220	48571220	+	1.12E-19	2.4396E-18	0.256236	hyper	sig	chr17_48571220
chr1	36109227	36109227	+	1.121E-19	2.4397E-18	-0.30721	hypo	sig	chr1_36109227
chr10	1.17E+08	117132144	+	1.121E-19	2.4409E-18	0.3147	hyper	sig	chr10_117132144
chr2	1.05E+08	105144442	+	1.122E-19	2.4419E-18	0.301229	hyper	sig	chr2_105144442
chr5	7396817	7396817	+	1.122E-19	2.4419E-18	0.227321	hyper	sig	chr5_7396817
chr7	27103619	27103619	+	1.122E-19	2.4421E-18	0.312791	hyper	sig	chr7_27103619
chr3	1.47E+08	147423345	+	1.122E-19	2.4429E-18	0.2677	hyper	sig	chr3_147423345
chr3	32817901	32817901	+	1.122E-19	2.443E-18	0.23303	hyper	sig	chr3_32817901
chr16	86579035	86579035	+	1.123E-19	2.4456E-18	0.309748	hyper	sig	chr16_86579035
chr7	1027820	1027820	+	1.124E-19	2.4477E-18	0.255413	hyper	sig	chr7_1027820
chr7	920774	920774	+	1.125E-19	2.4489E-18	-0.26798	hypo	sig	chr7_920774
chr5	1.81E+08	180609385	+	1.127E-19	2.4523E-18	-0.27427	hypo	sig	chr5_180609385
chr5	1.41E+08	141409726	+	1.127E-19	2.4532E-18	0.315231	hyper	sig	chr5_141409726
chr16	1991061	1991061	+	1.128E-19	2.4557E-18	0.26629	hyper	sig	chr16_1991061
chr15	59994953	59994953	+	1.128E-19	2.4559E-18	0.245935	hyper	sig	chr15_59994953
chr19	47275453	47275453	+	1.128E-19	2.456E-18	0.350763	hyper	sig	chr19_47275453
chr16	56194604	56194604	+	1.129E-19	2.4562E-18	0.213954	hyper	sig	chr16_56194604
chr14	1.04E+08	103523350	+	1.13E-19	2.4582E-18	0.234501	hyper	sig	chr14_103523350
chr11	94401526	94401526	+	1.13E-19	2.4583E-18	0.301718	hyper	sig	chr11_94401526
chr2	2.17E+08	216694694	+	1.13E-19	2.4585E-18	0.275812	hyper	sig	chr2_216694694
chr7	27147533	27147533	+	1.13E-19	2.4599E-18	0.214011	hyper	sig	chr7_27147533
chr19	708670	708670	+	1.131E-19	2.4601E-18	0.313215	hyper	sig	chr19_708670
chr2	2.39E+08	239247456	+	1.131E-19	2.4606E-18	-0.28786	hypo	sig	chr2_239247456
chr11	1.29E+08	128821888	+	1.132E-19	2.4623E-18	-0.20888	hypo	sig	chr11_128821888
chr7	47520607	47520607	+	1.132E-19	2.4628E-18	0.300644	hyper	sig	chr7_47520607
chr2	1.09E+08	109130279	+	1.134E-19	2.4671E-18	0.316585	hyper	sig	chr2_109130279
chr8	1.43E+08	142681940	+	1.134E-19	2.4674E-18	-0.27787	hypo	sig	chr8_142681940
chr14	1.06E+08	105769894	+	1.134E-19	2.468E-18	-0.31635	hypo	sig	chr14_105769894
chr14	85534750	85534750	+	1.135E-19	2.4683E-18	0.284838	hyper	sig	chr14_85534750
chr2	2.07E+08	206642267	+	1.135E-19	2.4689E-18	0.335709	hyper	sig	chr2_206642267
chr7	1.03E+08	103445537	+	1.136E-19	2.4702E-18	0.217377	hyper	sig	chr7_103445537
chr19	49049410	49049410	+	1.136E-19	2.4703E-18	-0.26528	hypo	sig	chr19_49049410
chr8	1.41E+08	141277186	+	1.136E-19	2.4709E-18	-0.29154	hypo	sig	chr8_141277186
chr2	21032507	21032507	+	1.137E-19	2.4732E-18	-0.31828	hypo	sig	chr2_21032507
chr11	89864453	89864453	+	1.137E-19	2.4741E-18	0.314101	hyper	sig	chr11_89864453
chr8	64575700	64575700	+	1.138E-19	2.4752E-18	0.236415	hyper	sig	chr8_64575700
chr16	54939713	54939713	+	1.138E-19	2.476E-18	0.266189	hyper	sig	chr16_54939713
chr3	1.38E+08	137770830	+	1.141E-19	2.4807E-18	0.285582	hyper	sig	chr3_137770830
chr2	2.19E+08	219497124	+	1.141E-19	2.4823E-18	0.319652	hyper	sig	chr2_219497124
chr13	25095886	25095886	+	1.142E-19	2.4825E-18	0.289035	hyper	sig	chr13_25095886
chr12	1.14E+08	114414280	+	1.142E-19	2.4826E-18	0.25051	hyper	sig	chr12_114414280
chr2	1.13E+08	113275918	+	1.143E-19	2.4857E-18	0.289996	hyper	sig	chr2_113275918

chr7	55213109	55213109	+	1.144E-19	2.4871E-18	-0.32279	hypo	sig	chr7_55213109
chr7	1.55E+08	155374875	+	1.144E-19	2.4874E-18	0.223281	hyper	sig	chr7_155374875
chr16	56635758	56635758	+	1.144E-19	2.4877E-18	0.241922	hyper	sig	chr16_56635758
chr17	78505393	78505393	+	1.144E-19	2.4879E-18	-0.25662	hypo	sig	chr17_78505393
chr13	1.12E+08	112069909	+	1.146E-19	2.4909E-18	0.440596	hyper	sig	chr13_112069909
chr12	6620434	6620434	+	1.146E-19	2.4922E-18	0.309854	hyper	sig	chr12_6620434
chr5	2129141	2129141	+	1.147E-19	2.4935E-18	0.316045	hyper	sig	chr5_2129141
chr5	37839649	37839649	+	1.148E-19	2.4967E-18	0.268417	hyper	sig	chr5_37839649
chr5	51387633	51387633	+	1.15E-19	2.4999E-18	0.27591	hyper	sig	chr5_51387633
chr10	70552141	70552141	+	1.151E-19	2.5013E-18	0.287558	hyper	sig	chr10_70552141
chr6	72621924	72621924	+	1.151E-19	2.5025E-18	0.206897	hyper	sig	chr6_72621924
chr3	1.73E+08	173398259	+	1.152E-19	2.5031E-18	0.20854	hyper	sig	chr3_173398259
chr2	2.19E+08	219496878	+	1.152E-19	2.5035E-18	0.226515	hyper	sig	chr2_219496878
chr17	77881776	77881776	+	1.152E-19	2.5048E-18	-0.21946	hypo	sig	chr17_77881776
chr14	1.04E+08	103727832	+	1.153E-19	2.505E-18	0.281175	hyper	sig	chr14_103727832
chr13	1.12E+08	111558952	+	1.153E-19	2.5051E-18	-0.33906	hypo	sig	chr13_111558952
chr4	1.35E+08	134948327	+	1.153E-19	2.5066E-18	-0.30343	hypo	sig	chr4_134948327
chr5	1.73E+08	172769150	+	1.154E-19	2.5074E-18	0.232595	hyper	sig	chr5_172769150
chr6	1.67E+08	167170129	+	1.154E-19	2.5079E-18	-0.47509	hypo	sig	chr6_167170129
chr9	1.1E+08	110208181	+	1.155E-19	2.5098E-18	-0.25239	hypo	sig	chr9_110208181
chr6	1.27E+08	127119557	+	1.156E-19	2.5125E-18	0.220994	hyper	sig	chr6_127119557
chr6	75312476	75312476	+	1.156E-19	2.5128E-18	-0.28431	hypo	sig	chr6_75312476
chr16	31148589	31148589	+	1.157E-19	2.5148E-18	0.221522	hyper	sig	chr16_31148589
chr7	85186179	85186179	+	1.157E-19	2.5148E-18	0.299946	hyper	sig	chr7_85186179
chr8	56157487	56157487	+	1.159E-19	2.5193E-18	0.284308	hyper	sig	chr8_56157487
chr7	1.56E+08	155804678	+	1.163E-19	2.5268E-18	0.212624	hyper	sig	chr7_155804678
chr1	2974272	2974272	+	1.163E-19	2.5275E-18	-0.32112	hypo	sig	chr1_2974272
chr12	1.23E+08	122868106	+	1.163E-19	2.5277E-18	0.21425	hyper	sig	chr12_122868106
chr5	1.41E+08	141419406	+	1.164E-19	2.528E-18	0.280722	hyper	sig	chr5_141419406
chr19	45553686	45553686	+	1.164E-19	2.5284E-18	0.288143	hyper	sig	chr19_45553686
chr4	6662736	6662736	+	1.164E-19	2.5291E-18	-0.26186	hypo	sig	chr4_6662736
chr13	95006555	95006555	+	1.164E-19	2.5294E-18	-0.27085	hypo	sig	chr13_95006555
chr5	1878541	1878541	+	1.164E-19	2.5294E-18	0.29361	hyper	sig	chr5_1878541
chr14	1.01E+08	101460630	+	1.166E-19	2.5321E-18	-0.32531	hypo	sig	chr14_101460630
chr12	1.14E+08	114443934	+	1.168E-19	2.5368E-18	0.253082	hyper	sig	chr12_114443934
chr13	1.14E+08	114115719	+	1.168E-19	2.5371E-18	-0.2855	hypo	sig	chr13_114115719
chr17	4536150	4536150	+	1.168E-19	2.5372E-18	0.404674	hyper	sig	chr17_4536150
chr17	35490140	35490140	+	1.17E-19	2.5417E-18	0.296801	hyper	sig	chr17_35490140
chr15	45116676	45116676	+	1.173E-19	2.5472E-18	0.277647	hyper	sig	chr15_45116676
chr19	33623239	33623239	+	1.173E-19	2.5482E-18	0.266332	hyper	sig	chr19_33623239
chr8	1.2E+08	119673438	+	1.174E-19	2.5491E-18	0.261378	hyper	sig	chr8_119673438
chr19	49436745	49436745	+	1.174E-19	2.5506E-18	0.291656	hyper	sig	chr19_49436745
chr1	16226964	16226964	+	1.175E-19	2.5513E-18	0.281726	hyper	sig	chr1_16226964
chr14	28767270	28767270	+	1.175E-19	2.5515E-18	0.363791	hyper	sig	chr14_28767270
chr16	4263671	4263671	+	1.175E-19	2.5522E-18	0.325725	hyper	sig	chr16_4263671
chr5	1.47E+08	147452787	+	1.175E-19	2.5526E-18	0.222916	hyper	sig	chr5_147452787
chr9	1.37E+08	136994685	+	1.176E-19	2.5535E-18	0.272009	hyper	sig	chr9_136994685
chr12	1.14E+08	114443890	+	1.176E-19	2.554E-18	0.25614	hyper	sig	chr12_114443890
chr6	1.46E+08	146027866	+	1.177E-19	2.5567E-18	0.340829	hyper	sig	chr6_146027866
chr2	2.19E+08	219497133	+	1.178E-19	2.5581E-18	0.324942	hyper	sig	chr2_219497133
chr1	2.21E+08	220881023	+	1.179E-19	2.5593E-18	0.265609	hyper	sig	chr1_220881023
chr12	1.31E+08	130818579	+	1.179E-19	2.5603E-18	-0.24456	hypo	sig	chr12_130818579
chr15	64763108	64763108	+	1.181E-19	2.5639E-18	0.222309	hyper	sig	chr15_64763108
chr5	1.41E+08	141202000	+	1.182E-19	2.5658E-18	0.270106	hyper	sig	chr5_141202000
chr22	29313369	29313369	+	1.183E-19	2.5676E-18	0.244418	hyper	sig	chr22_29313369
chr10	90857356	90857356	+	1.183E-19	2.5683E-18	0.25906	hyper	sig	chr10_90857356

chr1	1.44E+08	143699324	+	1.185E-19	2.5734E-18	0.276109	hyper	sig	chr1_143699324
chr1	1.19E+08	118993665	+	1.185E-19	2.5735E-18	0.286908	hyper	sig	chr1_118993665
chr16	1129530	1129530	+	1.187E-19	2.5764E-18	-0.27634	hypo	sig	chr16_1129530
chr13	1.12E+08	112055119	+	1.187E-19	2.5766E-18	0.236281	hyper	sig	chr13_112055119
chr1	1.62E+08	161605928	+	1.188E-19	2.5778E-18	0.291174	hyper	sig	chr1_161605928
chr13	1.12E+08	112074082	+	1.188E-19	2.5786E-18	0.282853	hyper	sig	chr13_112074082
chr10	1.23E+08	123134566	+	1.188E-19	2.5788E-18	0.234066	hyper	sig	chr10_123134566
chr11	20163765	20163765	+	1.189E-19	2.581E-18	0.253914	hyper	sig	chr11_20163765
chr19	1130966	1130966	+	1.189E-19	2.581E-18	-0.24467	hypo	sig	chr19_1130966
chr11	20596733	20596733	+	1.19E-19	2.5823E-18	0.25434	hyper	sig	chr11_20596733
chr1	3437963	3437963	+	1.191E-19	2.5839E-18	-0.32304	hypo	sig	chr1_3437963
chr17	77320699	77320699	+	1.191E-19	2.5855E-18	0.316246	hyper	sig	chr17_77320699
chr17	81472352	81472352	+	1.192E-19	2.5864E-18	0.338485	hyper	sig	chr17_81472352
chr16	3175024	3175024	+	1.194E-19	2.5907E-18	0.302797	hyper	sig	chr16_3175024
chr7	85185772	85185772	+	1.194E-19	2.5912E-18	0.260522	hyper	sig	chr7_85185772
chr10	1.23E+08	123150195	+	1.194E-19	2.5913E-18	0.231577	hyper	sig	chr10_123150195
chr17	5097648	5097648	+	1.194E-19	2.5913E-18	0.329988	hyper	sig	chr17_5097648
chr13	50129679	50129679	+	1.194E-19	2.5914E-18	0.473651	hyper	sig	chr13_50129679
chr13	29339304	29339304	+	1.195E-19	2.5919E-18	-0.39458	hypo	sig	chr13_29339304
chr1	54781327	54781327	+	1.195E-19	2.5924E-18	0.37685	hyper	sig	chr1_54781327
chr7	1.01E+08	100721060	+	1.195E-19	2.5925E-18	0.258442	hyper	sig	chr7_100721060
chr15	37097324	37097324	+	1.195E-19	2.5928E-18	0.308487	hyper	sig	chr15_37097324
chr5	1.41E+08	141420005	+	1.195E-19	2.5929E-18	0.275745	hyper	sig	chr5_141420005
chr5	1.73E+08	173234892	+	1.196E-19	2.5945E-18	0.205275	hyper	sig	chr5_173234892
chr7	86643928	86643928	+	1.197E-19	2.5957E-18	0.269125	hyper	sig	chr7_86643928
chr5	1.41E+08	141432949	+	1.197E-19	2.596E-18	0.27644	hyper	sig	chr5_141432949
chr5	1218813	1218813	+	1.197E-19	2.596E-18	-0.265	hypo	sig	chr5_1218813
chr8	1.31E+08	131042502	+	1.198E-19	2.5978E-18	0.359475	hyper	sig	chr8_131042502
chr5	1.41E+08	141374262	+	1.198E-19	2.5979E-18	0.266558	hyper	sig	chr5_141374262
chr9	1.19E+08	119369774	+	1.198E-19	2.5984E-18	0.301619	hyper	sig	chr9_119369774
chr20	21521059	21521059	+	1.198E-19	2.599E-18	0.333918	hyper	sig	chr20_21521059
chr22	37983511	37983511	+	1.198E-19	2.599E-18	0.31765	hyper	sig	chr22_37983511
chr17	4786540	4786540	+	1.198E-19	2.599E-18	0.260232	hyper	sig	chr17_4786540
chr2	85886967	85886967	+	1.198E-19	2.599E-18	0.325378	hyper	sig	chr2_85886967
chr19	57709126	57709126	+	1.199E-19	2.6015E-18	0.268629	hyper	sig	chr19_57709126
chr1	26999898	26999898	+	1.2E-19	2.6021E-18	0.287591	hyper	sig	chr1_26999898
chr10	55627998	55627998	+	1.2E-19	2.6021E-18	0.297141	hyper	sig	chr10_55627998
chr11	8031031	8031031	+	1.203E-19	2.6095E-18	-0.35299	hypo	sig	chr11_8031031
chr14	28778252	28778252	+	1.204E-19	2.611E-18	0.270604	hyper	sig	chr14_28778252
chr19	47239361	47239361	+	1.204E-19	2.6113E-18	0.201386	hyper	sig	chr19_47239361
chr4	1.77E+08	176792191	+	1.204E-19	2.6114E-18	0.276549	hyper	sig	chr4_176792191
chr13	57632924	57632924	+	1.204E-19	2.6117E-18	0.368241	hyper	sig	chr13_57632924
chr3	32940968	32940968	+	1.205E-19	2.6133E-18	0.315556	hyper	sig	chr3_32940968
chr16	89817568	89817568	+	1.206E-19	2.6145E-18	-0.26969	hypo	sig	chr16_89817568
chr2	1.32E+08	132417062	+	1.207E-19	2.6162E-18	-0.28001	hypo	sig	chr2_132417062
chr12	1.32E+08	132352800	+	1.207E-19	2.6167E-18	-0.30111	hypo	sig	chr12_132352800
chr17	81349124	81349124	+	1.207E-19	2.6173E-18	-0.22709	hypo	sig	chr17_81349124
chr8	53877981	53877981	+	1.208E-19	2.6185E-18	0.227221	hyper	sig	chr8_53877981
chr5	73298606	73298606	+	1.208E-19	2.6188E-18	0.370167	hyper	sig	chr5_73298606
chr16	57639281	57639281	+	1.209E-19	2.62E-18	0.347907	hyper	sig	chr16_57639281
chr16	3547075	3547075	+	1.209E-19	2.6202E-18	-0.28901	hypo	sig	chr16_3547075
chr20	768373	768373	+	1.209E-19	2.6208E-18	-0.28878	hypo	sig	chr20_768373
chr6	41100938	41100938	+	1.21E-19	2.623E-18	0.202233	hyper	sig	chr6_41100938
chr1	20473423	20473423	+	1.212E-19	2.6262E-18	0.285368	hyper	sig	chr1_20473423
chr16	54940062	54940062	+	1.213E-19	2.6283E-18	0.289277	hyper	sig	chr16_54940062
chr7	8441107	8441107	+	1.213E-19	2.6284E-18	0.209436	hyper	sig	chr7_8441107

chr6	1.7E+08	170423219	+	1.213E-19	2.6301E-18	0.289478	hyper	sig	chr6_170423219
chr7	52668987	52668987	+	1.214E-19	2.6318E-18	-0.27134	hypo	sig	chr7_52668987
chr18	46072628	46072628	+	1.215E-19	2.6323E-18	0.28663	hyper	sig	chr18_46072628
chr19	33622543	33622543	+	1.215E-19	2.634E-18	0.285105	hyper	sig	chr19_33622543
chr1	1.8E+08	179743124	+	1.216E-19	2.6351E-18	0.215715	hyper	sig	chr1_179743124
chr7	1E+08	100430779	+	1.217E-19	2.6373E-18	0.243939	hyper	sig	chr7_100430779
chr3	11157057	11157057	+	1.218E-19	2.6401E-18	-0.27759	hypo	sig	chr3_11157057
chr1	2.26E+08	225889885	+	1.219E-19	2.6426E-18	-0.3658	hypo	sig	chr1_225889885
chr8	52939755	52939755	+	1.22E-19	2.6436E-18	0.370761	hyper	sig	chr8_52939755
chr5	51382642	51382642	+	1.221E-19	2.6467E-18	0.251932	hyper	sig	chr5_51382642
chr5	1.81E+08	181059690	+	1.222E-19	2.6477E-18	0.247943	hyper	sig	chr5_181059690
chr11	44311288	44311288	+	1.222E-19	2.648E-18	0.243491	hyper	sig	chr11_44311288
chr1	3068005	3068005	+	1.223E-19	2.6493E-18	0.270607	hyper	sig	chr1_3068005
chr2	96500604	96500604	+	1.223E-19	2.6496E-18	0.322625	hyper	sig	chr2_96500604
chr17	42686049	42686049	+	1.225E-19	2.6546E-18	0.227235	hyper	sig	chr17_42686049
chr22	48487766	48487766	+	1.226E-19	2.6564E-18	-0.29647	hypo	sig	chr22_48487766
chr19	51949084	51949084	+	1.227E-19	2.6577E-18	0.264378	hyper	sig	chr19_51949084
chr17	48725466	48725466	+	1.228E-19	2.6602E-18	0.260226	hyper	sig	chr17_48725466
chr7	1.51E+08	150962879	+	1.229E-19	2.6623E-18	0.311679	hyper	sig	chr7_150962879
chr5	1.59E+08	159101032	+	1.231E-19	2.6663E-18	0.205432	hyper	sig	chr5_159101032
chr3	43996930	43996930	+	1.233E-19	2.67E-18	0.296974	hyper	sig	chr3_43996930
chr12	3170816	3170816	+	1.233E-19	2.671E-18	-0.31072	hypo	sig	chr12_3170816
chr6	39793528	39793528	+	1.234E-19	2.6719E-18	0.288871	hyper	sig	chr6_39793528
chr19	2588335	2588335	+	1.235E-19	2.6745E-18	-0.23111	hypo	sig	chr19_2588335
chr12	24903263	24903263	+	1.236E-19	2.6772E-18	0.235801	hyper	sig	chr12_24903263
chr18	904962	904962	+	1.238E-19	2.6816E-18	0.270569	hyper	sig	chr18_904962
chr5	42971147	42971147	+	1.239E-19	2.6827E-18	0.242064	hyper	sig	chr5_42971147
chr22	20429622	20429622	+	1.24E-19	2.6847E-18	-0.2723	hypo	sig	chr22_20429622
chr5	1.71E+08	171309845	+	1.24E-19	2.6863E-18	0.279699	hyper	sig	chr5_171309845
chr1	3373430	3373430	+	1.241E-19	2.6875E-18	-0.31439	hypo	sig	chr1_3373430
chr10	42951670	42951670	+	1.241E-19	2.6882E-18	0.213588	hyper	sig	chr10_42951670
chr9	97852727	97852727	+	1.243E-19	2.6908E-18	0.332888	hyper	sig	chr9_97852727
chr2	2.39E+08	238847507	+	1.243E-19	2.6908E-18	0.282393	hyper	sig	chr2_238847507
chr19	56671562	56671562	+	1.243E-19	2.6918E-18	0.323183	hyper	sig	chr19_56671562
chr2	10494048	10494048	+	1.244E-19	2.693E-18	-0.30402	hypo	sig	chr2_10494048
chr5	1.41E+08	141343985	+	1.245E-19	2.6954E-18	0.245256	hyper	sig	chr5_141343985
chr4	3385650	3385650	+	1.245E-19	2.6963E-18	-0.29568	hypo	sig	chr4_3385650
chr6	31575512	31575512	+	1.246E-19	2.6972E-18	-0.22387	hypo	sig	chr6_31575512
chr1	65526076	65526076	+	1.246E-19	2.6977E-18	0.308807	hyper	sig	chr1_65526076
chr10	5524775	5524775	+	1.247E-19	2.6996E-18	-0.26277	hypo	sig	chr10_5524775
chr13	95552912	95552912	+	1.249E-19	2.7029E-18	0.380981	hyper	sig	chr13_95552912
chr11	2271943	2271943	+	1.249E-19	2.7042E-18	0.252714	hyper	sig	chr11_2271943
chr7	1.55E+08	154913724	+	1.251E-19	2.7079E-18	0.222361	hyper	sig	chr7_154913724
chr12	43552193	43552193	+	1.253E-19	2.7125E-18	0.341304	hyper	sig	chr12_43552193
chr6	28865732	28865732	+	1.253E-19	2.7126E-18	-0.35542	hypo	sig	chr6_28865732
chr6	32188705	32188705	+	1.254E-19	2.7149E-18	0.22727	hyper	sig	chr6_32188705
chr12	1.17E+08	117151187	+	1.254E-19	2.7149E-18	0.314047	hyper	sig	chr12_117151187
chr17	40779744	40779744	+	1.255E-19	2.7167E-18	0.256467	hyper	sig	chr17_40779744
chr16	67014542	67014542	+	1.255E-19	2.717E-18	0.227436	hyper	sig	chr16_67014542
chr19	48746709	48746709	+	1.258E-19	2.7217E-18	0.337216	hyper	sig	chr19_48746709
chr7	1.51E+08	151254420	+	1.26E-19	2.7261E-18	-0.29789	hypo	sig	chr7_151254420
chr7	1.59E+08	158982319	+	1.261E-19	2.7287E-18	-0.30791	hypo	sig	chr7_158982319
chr22	50031612	50031612	+	1.261E-19	2.7297E-18	-0.26324	hypo	sig	chr22_50031612
chr10	1.32E+08	132232116	+	1.262E-19	2.73E-18	-0.29377	hypo	sig	chr10_132232116
chr6	1.7E+08	170265948	+	1.264E-19	2.7345E-18	-0.2332	hypo	sig	chr6_170265948
chr2	1.61E+08	161426612	+	1.264E-19	2.7353E-18	0.340364	hyper	sig	chr2_161426612

chr1	1127409	1127409	+	1.264E-19	2.7355E-18	-0.27126	hypo	sig	chr1_1127409
chr3	1.35E+08	134651252	+	1.266E-19	2.7383E-18	0.277838	hyper	sig	chr3_134651252
chr11	94740755	94740755	+	1.266E-19	2.7395E-18	0.228221	hyper	sig	chr11_94740755
chr8	1.42E+08	142129666	+	1.266E-19	2.7395E-18	0.322386	hyper	sig	chr8_142129666
chr6	28814147	28814147	+	1.266E-19	2.74E-18	0.323599	hyper	sig	chr6_28814147
chr1	1.65E+08	164587003	+	1.267E-19	2.7402E-18	0.26214	hyper	sig	chr1_164587003
chr6	16337702	16337702	+	1.267E-19	2.7404E-18	0.279713	hyper	sig	chr6_16337702
chr5	1.79E+08	178502947	+	1.267E-19	2.7411E-18	-0.22595	hypo	sig	chr5_178502947
chr5	1.35E+08	135490159	+	1.268E-19	2.7422E-18	0.259013	hyper	sig	chr5_135490159
chr16	51113914	51113914	+	1.269E-19	2.7456E-18	0.328423	hyper	sig	chr16_51113914
chr3	49422422	49422422	+	1.272E-19	2.7511E-18	0.249434	hyper	sig	chr3_49422422
chr7	1193821	1193821	+	1.273E-19	2.7532E-18	0.281998	hyper	sig	chr7_1193821
chr19	15457738	15457738	+	1.273E-19	2.7539E-18	0.237985	hyper	sig	chr19_15457738
chr6	99608166	99608166	+	1.274E-19	2.7551E-18	0.232508	hyper	sig	chr6_99608166
chr1	90725031	90725031	+	1.274E-19	2.7551E-18	0.334192	hyper	sig	chr1_90725031
chr12	63668975	63668975	+	1.274E-19	2.7554E-18	0.307791	hyper	sig	chr12_63668975
chr5	1.75E+08	175443892	+	1.274E-19	2.7554E-18	0.304964	hyper	sig	chr5_175443892
chr1	37478600	37478600	+	1.276E-19	2.7588E-18	-0.31764	hypo	sig	chr1_37478600
chr5	32713639	32713639	+	1.277E-19	2.761E-18	0.300909	hyper	sig	chr5_32713639
chr6	29828132	29828132	+	1.277E-19	2.7622E-18	0.216883	hyper	sig	chr6_29828132
chr17	42784552	42784552	+	1.279E-19	2.7657E-18	0.251082	hyper	sig	chr17_42784552
chr4	7595881	7595881	+	1.279E-19	2.7657E-18	-0.25167	hypo	sig	chr4_7595881
chr4	1211586	1211586	+	1.28E-19	2.767E-18	0.219845	hyper	sig	chr4_1211586
chr11	1.23E+08	123430163	+	1.281E-19	2.7698E-18	0.248969	hyper	sig	chr11_123430163
chr3	1.47E+08	147422351	+	1.282E-19	2.7711E-18	0.284093	hyper	sig	chr3_147422351
chr9	62800114	62800114	+	1.282E-19	2.7722E-18	0.217189	hyper	sig	chr9_62800114
chr8	68330792	68330792	+	1.283E-19	2.7737E-18	0.339006	hyper	sig	chr8_68330792
chr6	30685930	30685930	+	1.285E-19	2.7775E-18	0.262433	hyper	sig	chr6_30685930
chr2	2189978	2189978	+	1.286E-19	2.781E-18	-0.45677	hypo	sig	chr2_2189978
chr9	1.36E+08	136199997	+	1.288E-19	2.7844E-18	0.289978	hyper	sig	chr9_136199997
chr11	2106339	2106339	+	1.29E-19	2.7894E-18	-0.30973	hypo	sig	chr11_2106339
chr6	33950951	33950951	+	1.29E-19	2.7895E-18	-0.26271	hypo	sig	chr6_33950951
chr11	1.16E+08	115659515	+	1.291E-19	2.7917E-18	0.246473	hyper	sig	chr11_115659515
chr19	56765338	56765338	+	1.291E-19	2.7917E-18	0.282434	hyper	sig	chr19_56765338
chr8	1496443	1496443	+	1.292E-19	2.7934E-18	-0.30321	hypo	sig	chr8_1496443
chr12	1.13E+08	113136563	+	1.294E-19	2.796E-18	-0.21182	hypo	sig	chr12_113136563
chr16	75218555	75218555	+	1.295E-19	2.7987E-18	-0.3018	hypo	sig	chr16_75218555
chr11	44309317	44309317	+	1.297E-19	2.803E-18	0.262957	hyper	sig	chr11_44309317
chr19	3189498	3189498	+	1.297E-19	2.8035E-18	-0.27589	hypo	sig	chr19_3189498
chr7	1.57E+08	157020308	+	1.297E-19	2.8039E-18	0.272842	hyper	sig	chr7_157020308
chr1	90717247	90717247	+	1.299E-19	2.807E-18	0.262782	hyper	sig	chr1_90717247
chr1	2.36E+08	236155127	+	1.3E-19	2.8087E-18	-0.25412	hypo	sig	chr1_236155127
chr7	6664398	6664398	+	1.3E-19	2.8102E-18	0.330629	hyper	sig	chr7_6664398
chr16	1149994	1149994	+	1.301E-19	2.8115E-18	0.274046	hyper	sig	chr16_1149994
chr13	26686909	26686909	+	1.301E-19	2.8116E-18	-0.24613	hypo	sig	chr13_26686909
chr11	20208348	20208348	+	1.301E-19	2.812E-18	0.299199	hyper	sig	chr11_20208348
chr20	46011692	46011692	+	1.301E-19	2.812E-18	0.346026	hyper	sig	chr20_46011692
chr12	33438408	33438408	+	1.302E-19	2.813E-18	0.307057	hyper	sig	chr12_33438408
chr6	4189024	4189024	+	1.302E-19	2.8134E-18	-0.29326	hypo	sig	chr6_4189024
chr1	37033917	37033917	+	1.302E-19	2.8141E-18	0.320681	hyper	sig	chr1_37033917
chr1	44408016	44408016	+	1.303E-19	2.8142E-18	0.317991	hyper	sig	chr1_44408016
chr7	1.58E+08	157694026	+	1.303E-19	2.8161E-18	0.318379	hyper	sig	chr7_157694026
chr6	29792330	29792330	+	1.304E-19	2.818E-18	0.299092	hyper	sig	chr6_29792330
chr7	1.59E+08	159145799	+	1.304E-19	2.818E-18	0.344947	hyper	sig	chr7_159145799
chr1	46485678	46485678	+	1.305E-19	2.8183E-18	0.290357	hyper	sig	chr1_46485678
chr3	68007787	68007787	+	1.306E-19	2.8218E-18	0.345946	hyper	sig	chr3_68007787

chr1	22451215	22451215	+	1.31E-19	2.8288E-18	-0.23827	hypo	sig	chr1_22451215
chr14	36583481	36583481	+	1.31E-19	2.8307E-18	0.273367	hyper	sig	chr14_36583481
chr7	53035028	53035028	+	1.31E-19	2.8307E-18	-0.34843	hypo	sig	chr7_53035028
chr20	59604806	59604806	+	1.311E-19	2.8308E-18	0.288461	hyper	sig	chr20_59604806
chr7	2762740	2762740	+	1.311E-19	2.832E-18	0.382394	hyper	sig	chr7_2762740
chr13	36155110	36155110	+	1.312E-19	2.8335E-18	0.367538	hyper	sig	chr13_36155110
chr19	58440714	58440714	+	1.313E-19	2.835E-18	0.28806	hyper	sig	chr19_58440714
chr20	45631568	45631568	+	1.313E-19	2.8351E-18	-0.25993	hypo	sig	chr20_45631568
chr4	587959	587959	+	1.313E-19	2.8357E-18	-0.25047	hypo	sig	chr4_587959
chr16	89048205	89048205	+	1.313E-19	2.8364E-18	0.23918	hyper	sig	chr16_89048205
chr4	1.47E+08	146639015	+	1.315E-19	2.8401E-18	0.258635	hyper	sig	chr4_146639015
chr16	49275275	49275275	+	1.316E-19	2.8409E-18	0.29	hyper	sig	chr16_49275275
chr8	1.44E+08	143704698	+	1.316E-19	2.8418E-18	-0.27846	hypo	sig	chr8_143704698
chr5	77972628	77972628	+	1.316E-19	2.8421E-18	0.365776	hyper	sig	chr5_77972628
chr2	2.02E+08	202036699	+	1.316E-19	2.8426E-18	0.295287	hyper	sig	chr2_202036699
chr8	64577096	64577096	+	1.317E-19	2.8446E-18	0.326906	hyper	sig	chr8_64577096
chr9	34838536	34838536	+	1.319E-19	2.8475E-18	-0.29317	hypo	sig	chr9_34838536
chr1	1.65E+08	164576515	+	1.32E-19	2.8497E-18	0.337226	hyper	sig	chr1_164576515
chr6	1.6E+08	160350042	+	1.32E-19	2.8506E-18	-0.26793	hypo	sig	chr6_160350042
chr4	1.84E+08	184097271	+	1.322E-19	2.8549E-18	0.249947	hyper	sig	chr4_184097271
chr7	1.56E+08	155922481	+	1.323E-19	2.857E-18	-0.25798	hypo	sig	chr7_155922481
chr1	9728672	9728672	+	1.324E-19	2.8577E-18	-0.24778	hypo	sig	chr1_9728672
chr1	45622853	45622853	+	1.325E-19	2.8616E-18	0.276157	hyper	sig	chr1_45622853
chr13	83881992	83881992	+	1.326E-19	2.8628E-18	0.269177	hyper	sig	chr13_83881992
chr19	10514173	10514173	+	1.329E-19	2.87E-18	0.302378	hyper	sig	chr19_10514173
chr19	35768226	35768226	+	1.33E-19	2.8705E-18	0.285916	hyper	sig	chr19_35768226
chr11	31805048	31805048	+	1.33E-19	2.8712E-18	0.311401	hyper	sig	chr11_31805048
chr11	2271971	2271971	+	1.331E-19	2.8724E-18	0.237415	hyper	sig	chr11_2271971
chr13	1.12E+08	112053503	+	1.331E-19	2.8732E-18	0.304793	hyper	sig	chr13_112053503
chr19	30451029	30451029	+	1.332E-19	2.8753E-18	0.337122	hyper	sig	chr19_30451029
chr13	36346493	36346493	+	1.333E-19	2.8773E-18	0.205523	hyper	sig	chr13_36346493
chr15	89367888	89367888	+	1.334E-19	2.8801E-18	0.320645	hyper	sig	chr15_89367888
chr7	2480155	2480155	+	1.336E-19	2.8831E-18	0.308719	hyper	sig	chr7_2480155
chr10	1.01E+08	100659466	+	1.336E-19	2.8835E-18	0.37277	hyper	sig	chr10_100659466
chr10	1.04E+08	104334120	+	1.336E-19	2.8835E-18	0.24764	hyper	sig	chr10_104334120
chr3	1.58E+08	158103807	+	1.337E-19	2.8856E-18	0.251057	hyper	sig	chr3_158103807
chr18	9707933	9707933	+	1.339E-19	2.8891E-18	0.229429	hyper	sig	chr18_9707933
chr12	54417971	54417971	+	1.34E-19	2.8908E-18	0.285133	hyper	sig	chr12_54417971
chr19	15472008	15472008	+	1.341E-19	2.8928E-18	0.267	hyper	sig	chr19_15472008
chr19	8052790	8052790	+	1.342E-19	2.8961E-18	-0.30107	hypo	sig	chr19_8052790
chr10	486058	486058	+	1.343E-19	2.8973E-18	0.335046	hyper	sig	chr10_486058
chr17	1618156	1618156	+	1.343E-19	2.8973E-18	-0.25903	hypo	sig	chr17_1618156
chr9	1.34E+08	133607772	+	1.343E-19	2.8981E-18	-0.24863	hypo	sig	chr9_133607772
chr14	1.05E+08	104637359	+	1.344E-19	2.9E-18	-0.36867	hypo	sig	chr14_104637359
chr6	33076072	33076072	+	1.344E-19	2.9004E-18	-0.26524	hypo	sig	chr6_33076072
chr7	82442804	82442804	+	1.345E-19	2.9017E-18	0.206322	hyper	sig	chr7_82442804
chr2	95025285	95025285	+	1.345E-19	2.902E-18	0.35338	hyper	sig	chr2_95025285
chr12	1.04E+08	104139092	+	1.346E-19	2.9029E-18	0.289829	hyper	sig	chr12_104139092
chr9	70043482	70043482	+	1.346E-19	2.9035E-18	0.362805	hyper	sig	chr9_70043482
chr5	3602281	3602281	+	1.347E-19	2.9054E-18	0.337039	hyper	sig	chr5_3602281
chr11	1.16E+08	115760671	+	1.347E-19	2.9063E-18	0.295066	hyper	sig	chr11_115760671
chr12	1.2E+08	120101022	+	1.35E-19	2.9114E-18	0.290883	hyper	sig	chr12_120101022
chr1	1.21E+08	121117974	+	1.351E-19	2.9135E-18	0.258057	hyper	sig	chr1_121117974
chr17	30235124	30235124	+	1.351E-19	2.9135E-18	0.269638	hyper	sig	chr17_30235124
chr10	1.33E+08	133106826	+	1.351E-19	2.9135E-18	-0.35406	hypo	sig	chr10_133106826
chr7	1.55E+08	155374699	+	1.351E-19	2.9137E-18	0.210016	hyper	sig	chr7_155374699

chr16	85985341	85985341	+	1.351E-19	2.9138E-18	-0.26025	hypo	sig	chr16_85985341
chr16	87611523	87611523	+	1.351E-19	2.9146E-18	-0.37593	hypo	sig	chr16_87611523
chr1	2.28E+08	228212701	+	1.352E-19	2.9148E-18	0.358178	hyper	sig	chr1_228212701
chr11	64555522	64555522	+	1.353E-19	2.9187E-18	-0.22371	hypo	sig	chr11_64555522
chr17	7855129	7855129	+	1.354E-19	2.92E-18	0.295872	hyper	sig	chr17_7855129
chr1	6276421	6276421	+	1.354E-19	2.9207E-18	0.329625	hyper	sig	chr1_6276421
chr7	79454832	79454832	+	1.355E-19	2.9226E-18	0.307339	hyper	sig	chr7_79454832
chr15	93089593	93089593	+	1.356E-19	2.9236E-18	0.236973	hyper	sig	chr15_93089593
chr1	7782282	7782282	+	1.357E-19	2.9272E-18	-0.27726	hypo	sig	chr1_7782282
chr2	1.63E+08	163348528	+	1.358E-19	2.9276E-18	0.209635	hyper	sig	chr2_163348528
chr5	1885330	1885330	+	1.359E-19	2.9296E-18	0.280626	hyper	sig	chr5_1885330
chr20	43189253	43189253	+	1.359E-19	2.9305E-18	0.250556	hyper	sig	chr20_43189253
chr11	94091387	94091387	+	1.359E-19	2.9308E-18	-0.29323	hypo	sig	chr11_94091387
chr22	45010655	45010655	+	1.362E-19	2.9372E-18	0.218201	hyper	sig	chr22_45010655
chr11	94401528	94401528	+	1.363E-19	2.9393E-18	0.309706	hyper	sig	chr11_94401528
chr3	1.38E+08	138435436	+	1.365E-19	2.9427E-18	0.294466	hyper	sig	chr3_138435436
chr10	1.01E+08	101146795	+	1.367E-19	2.9481E-18	0.22424	hyper	sig	chr10_101146795
chr22	42338710	42338710	+	1.37E-19	2.9524E-18	-0.26152	hypo	sig	chr22_42338710
chr3	37994380	37994380	+	1.371E-19	2.9548E-18	0.268056	hyper	sig	chr3_37994380
chr17	61398141	61398141	+	1.371E-19	2.9551E-18	0.263979	hyper	sig	chr17_61398141
chr4	65669476	65669476	+	1.371E-19	2.9557E-18	0.213214	hyper	sig	chr4_65669476
chr16	66948880	66948880	+	1.373E-19	2.9585E-18	0.290821	hyper	sig	chr16_66948880
chr1	3275114	3275114	+	1.373E-19	2.9597E-18	-0.25417	hypo	sig	chr1_3275114
chr3	1.28E+08	128483770	+	1.374E-19	2.9607E-18	0.416154	hyper	sig	chr3_128483770
chr12	1.32E+08	132322934	+	1.374E-19	2.9609E-18	0.318344	hyper	sig	chr12_132322934
chr19	53259586	53259586	+	1.375E-19	2.9628E-18	-0.27176	hypo	sig	chr19_53259586
chr6	62285638	62285638	+	1.376E-19	2.9645E-18	0.280409	hyper	sig	chr6_62285638
chr5	1.35E+08	135486945	+	1.376E-19	2.9646E-18	-0.28132	hypo	sig	chr5_135486945
chr13	1.14E+08	114015346	+	1.376E-19	2.9657E-18	-0.30171	hypo	sig	chr13_114015346
chr10	949380	949380	+	1.377E-19	2.9674E-18	-0.25201	hypo	sig	chr10_949380
chr15	27769051	27769051	+	1.377E-19	2.9684E-18	0.276286	hyper	sig	chr15_27769051
chr5	1.32E+08	132257266	+	1.379E-19	2.9726E-18	0.309336	hyper	sig	chr5_132257266
chr11	1391048	1391048	+	1.38E-19	2.9727E-18	0.213248	hyper	sig	chr11_1391048
chr1	2446031	2446031	+	1.38E-19	2.9738E-18	-0.36035	hypo	sig	chr1_2446031
chr4	95547841	95547841	+	1.381E-19	2.9763E-18	0.298858	hyper	sig	chr4_95547841
chr4	1414103	1414103	+	1.382E-19	2.9786E-18	0.371209	hyper	sig	chr4_1414103
chr14	75124183	75124183	+	1.383E-19	2.98E-18	-0.2531	hypo	sig	chr14_75124183
chr20	24471212	24471212	+	1.383E-19	2.9803E-18	0.278463	hyper	sig	chr20_24471212
chr10	7411481	7411481	+	1.384E-19	2.9809E-18	0.246181	hyper	sig	chr10_7411481
chr2	1.75E+08	174730023	+	1.384E-19	2.9811E-18	0.304298	hyper	sig	chr2_174730023
chr1	2E+08	200035351	+	1.384E-19	2.9824E-18	0.27237	hyper	sig	chr1_200035351
chr6	393239	393239	+	1.385E-19	2.9834E-18	0.267607	hyper	sig	chr6_393239
chr11	1.19E+08	118522692	+	1.386E-19	2.9852E-18	0.329084	hyper	sig	chr11_118522692
chr3	62369475	62369475	+	1.387E-19	2.9882E-18	0.29389	hyper	sig	chr3_62369475
chr12	1.23E+08	123269503	+	1.387E-19	2.9887E-18	0.345505	hyper	sig	chr12_123269503
chr8	1.43E+08	142500142	+	1.388E-19	2.9902E-18	0.380626	hyper	sig	chr8_142500142
chr12	1.27E+08	126728012	+	1.389E-19	2.9911E-18	0.26851	hyper	sig	chr12_126728012
chr1	4684736	4684736	+	1.39E-19	2.9932E-18	-0.31218	hypo	sig	chr1_4684736
chr11	67978659	67978659	+	1.392E-19	2.9975E-18	-0.22113	hypo	sig	chr11_67978659
chr11	31804208	31804208	+	1.392E-19	2.9977E-18	0.263849	hyper	sig	chr11_31804208
chr5	1.73E+08	173244782	+	1.392E-19	2.9988E-18	0.353833	hyper	sig	chr5_173244782
chr10	1.01E+08	100659798	+	1.393E-19	2.9989E-18	0.234922	hyper	sig	chr10_100659798
chr2	74436448	74436448	+	1.393E-19	3.0007E-18	0.211887	hyper	sig	chr2_74436448
chr15	75108590	75108590	+	1.396E-19	3.0062E-18	-0.27629	hypo	sig	chr15_75108590
chr12	1.3E+08	130017978	+	1.398E-19	3.0102E-18	0.248586	hyper	sig	chr12_130017978
chr7	1.56E+08	155806353	+	1.398E-19	3.0103E-18	0.303779	hyper	sig	chr7_155806353

chr20	63537224	63537224	+	1.4E-19	3.0137E-18	-0.29865	hypo	sig	chr20_63537224
chr5	3590321	3590321	+	1.4E-19	3.0137E-18	0.347346	hyper	sig	chr5_3590321
chr16	86566683	86566683	+	1.4E-19	3.0138E-18	0.293289	hyper	sig	chr16_86566683
chr7	1.55E+08	155467626	+	1.4E-19	3.0152E-18	0.302032	hyper	sig	chr7_155467626
chr3	1.97E+08	196978873	+	1.401E-19	3.017E-18	0.279881	hyper	sig	chr3_196978873
chr16	828103	828103	+	1.402E-19	3.0181E-18	-0.34931	hypo	sig	chr16_828103
chr22	19937612	19937612	+	1.402E-19	3.0191E-18	-0.24579	hypo	sig	chr22_19937612
chr5	14668340	14668340	+	1.402E-19	3.0195E-18	-0.2987	hypo	sig	chr5_14668340
chr6	1.7E+08	170050119	+	1.403E-19	3.0202E-18	0.317004	hyper	sig	chr6_170050119
chr16	10178164	10178164	+	1.403E-19	3.0209E-18	-0.37604	hypo	sig	chr16_10178164
chr11	31818248	31818248	+	1.404E-19	3.0231E-18	0.345618	hyper	sig	chr11_31818248
chr2	94857037	94857037	+	1.406E-19	3.0261E-18	0.294779	hyper	sig	chr2_94857037
chr17	44558419	44558419	+	1.407E-19	3.028E-18	0.295314	hyper	sig	chr17_44558419
chr3	42265105	42265105	+	1.408E-19	3.0319E-18	0.37931	hyper	sig	chr3_42265105
chr1	2.29E+08	229432727	+	1.411E-19	3.0362E-18	0.25148	hyper	sig	chr1_229432727
chr20	46651604	46651604	+	1.412E-19	3.0391E-18	0.227211	hyper	sig	chr20_46651604
chr17	39747203	39747203	+	1.413E-19	3.0403E-18	0.263164	hyper	sig	chr17_39747203
chr21	29938545	29938545	+	1.413E-19	3.0406E-18	-0.35487	hypo	sig	chr21_29938545
chr7	1.29E+08	128697689	+	1.413E-19	3.0406E-18	0.356081	hyper	sig	chr7_128697689
chr16	1038472	1038472	+	1.413E-19	3.0421E-18	-0.27204	hypo	sig	chr16_1038472
chr3	1.27E+08	126541799	+	1.414E-19	3.0432E-18	0.293274	hyper	sig	chr3_126541799
chr5	1.81E+08	181059727	+	1.414E-19	3.0432E-18	0.237115	hyper	sig	chr5_181059727
chr3	49657545	49657545	+	1.415E-19	3.0462E-18	-0.25671	hypo	sig	chr3_49657545
chr18	905179	905179	+	1.416E-19	3.0465E-18	0.288039	hyper	sig	chr18_905179
chr1	1.81E+08	180913455	+	1.417E-19	3.0494E-18	0.254844	hyper	sig	chr1_180913455
chr19	56507710	56507710	+	1.418E-19	3.0503E-18	0.313375	hyper	sig	chr19_56507710
chr13	45371334	45371334	+	1.419E-19	3.0532E-18	0.384948	hyper	sig	chr13_45371334
chr4	7965666	7965666	+	1.419E-19	3.0534E-18	-0.28921	hypo	sig	chr4_7965666
chr10	83563231	83563231	+	1.42E-19	3.0557E-18	-0.22581	hypo	sig	chr10_83563231
chr13	1.12E+08	111896140	+	1.42E-19	3.0559E-18	-0.28248	hypo	sig	chr13_111896140
chr6	1E+08	100449480	+	1.421E-19	3.0574E-18	0.298435	hyper	sig	chr6_100449480
chr11	8019940	8019940	+	1.421E-19	3.0576E-18	0.202688	hyper	sig	chr11_8019940
chr1	1.48E+08	148246597	+	1.422E-19	3.0595E-18	0.317473	hyper	sig	chr1_148246597
chr1	1.44E+08	143654920	+	1.423E-19	3.0619E-18	0.238507	hyper	sig	chr1_143654920
chr19	10817876	10817876	+	1.424E-19	3.0628E-18	0.237103	hyper	sig	chr19_10817876
chr7	1.51E+08	151125881	+	1.424E-19	3.0628E-18	0.403489	hyper	sig	chr7_151125881
chr2	2.19E+08	219496913	+	1.427E-19	3.0686E-18	0.243435	hyper	sig	chr2_219496913
chr2	5691056	5691056	+	1.427E-19	3.0686E-18	0.251134	hyper	sig	chr2_5691056
chr3	10993403	10993403	+	1.427E-19	3.0687E-18	0.264525	hyper	sig	chr3_10993403
chr10	1.32E+08	132140584	+	1.427E-19	3.07E-18	-0.33621	hypo	sig	chr10_132140584
chr1	36176243	36176243	+	1.428E-19	3.0711E-18	0.299679	hyper	sig	chr1_36176243
chr12	51844690	51844690	+	1.429E-19	3.0735E-18	-0.28194	hypo	sig	chr12_51844690
chr12	96235043	96235043	+	1.43E-19	3.0759E-18	0.341606	hyper	sig	chr12_96235043
chr5	1.23E+08	123099971	+	1.431E-19	3.0778E-18	-0.29233	hypo	sig	chr5_123099971
chr17	36940455	36940455	+	1.431E-19	3.0778E-18	0.203153	hyper	sig	chr17_36940455
chr17	82968138	82968138	+	1.433E-19	3.081E-18	0.228185	hyper	sig	chr17_82968138
chr19	19514625	19514625	+	1.434E-19	3.0834E-18	0.342556	hyper	sig	chr19_19514625
chr3	5023503	5023503	+	1.434E-19	3.0844E-18	-0.29932	hypo	sig	chr3_5023503
chr12	34309978	34309978	+	1.435E-19	3.0855E-18	-0.32049	hypo	sig	chr12_34309978
chr2	2.42E+08	241804281	+	1.435E-19	3.0862E-18	0.346592	hyper	sig	chr2_241804281
chr9	1.3E+08	129571664	+	1.436E-19	3.0867E-18	0.267249	hyper	sig	chr9_129571664
chr6	10422128	10422128	+	1.436E-19	3.0873E-18	0.335406	hyper	sig	chr6_10422128
chr7	1.4E+08	139990512	+	1.436E-19	3.0873E-18	-0.35301	hypo	sig	chr7_139990512
chr4	48484194	48484194	+	1.436E-19	3.0882E-18	0.280318	hyper	sig	chr4_48484194
chr11	44310809	44310809	+	1.437E-19	3.0888E-18	0.333699	hyper	sig	chr11_44310809
chr19	37558455	37558455	+	1.438E-19	3.0919E-18	-0.3401	hypo	sig	chr19_37558455

chr16	4680420	4680420	+	1.441E-19	3.098E-18	-0.26852	hypo	sig	chr16_4680420
chr13	1.1E+08	110405974	+	1.442E-19	3.0993E-18	0.297467	hyper	sig	chr13_110405974
chr22	36457998	36457998	+	1.442E-19	3.0998E-18	0.298864	hyper	sig	chr22_36457998
chr4	21304423	21304423	+	1.442E-19	3.0998E-18	0.214052	hyper	sig	chr4_21304423
chr2	1.72E+08	172108484	+	1.442E-19	3.1004E-18	0.270542	hyper	sig	chr2_172108484
chr1	1.47E+08	147178209	+	1.445E-19	3.1056E-18	0.286413	hyper	sig	chr1_147178209
chr8	22232188	22232188	+	1.446E-19	3.1075E-18	0.274904	hyper	sig	chr8_22232188
chr5	3103600	3103600	+	1.446E-19	3.1082E-18	0.30623	hyper	sig	chr5_3103600
chr10	1.18E+08	117735104	+	1.448E-19	3.1127E-18	0.289193	hyper	sig	chr10_117735104
chr20	5000362	5000362	+	1.449E-19	3.1144E-18	0.225291	hyper	sig	chr20_5000362
chr5	31855079	31855079	+	1.449E-19	3.1144E-18	0.218088	hyper	sig	chr5_31855079
chr1	12031379	12031379	+	1.449E-19	3.1148E-18	0.295236	hyper	sig	chr1_12031379
chr17	44762665	44762665	+	1.449E-19	3.1148E-18	-0.20967	hypo	sig	chr17_44762665
chr15	1.02E+08	101653213	+	1.449E-19	3.1151E-18	-0.28829	hypo	sig	chr15_101653213
chr8	10725816	10725816	+	1.451E-19	3.1191E-18	-0.27043	hypo	sig	chr8_10725816
chr12	1.24E+08	123931815	+	1.452E-19	3.1209E-18	-0.29048	hypo	sig	chr12_123931815
chr6	31766370	31766370	+	1.454E-19	3.1249E-18	0.283045	hyper	sig	chr6_31766370
chr12	1.14E+08	114440790	+	1.454E-19	3.1253E-18	0.256538	hyper	sig	chr12_114440790
chr6	32085323	32085323	+	1.456E-19	3.1282E-18	-0.32061	hypo	sig	chr6_32085323
chr14	36655108	36655108	+	1.461E-19	3.1384E-18	0.22622	hyper	sig	chr14_36655108
chr8	42545420	42545420	+	1.462E-19	3.1408E-18	0.254586	hyper	sig	chr8_42545420
chr7	8443756	8443756	+	1.462E-19	3.1409E-18	0.275783	hyper	sig	chr7_8443756
chr20	46035852	46035852	+	1.463E-19	3.1434E-18	-0.29626	hypo	sig	chr20_46035852
chr7	35257340	35257340	+	1.463E-19	3.1441E-18	0.251437	hyper	sig	chr7_35257340
chr10	1.34E+08	133560143	+	1.468E-19	3.1544E-18	-0.24648	hypo	sig	chr10_133560143
chr16	56626052	56626052	+	1.468E-19	3.1544E-18	0.20754	hyper	sig	chr16_56626052
chr8	64382086	64382086	+	1.47E-19	3.1584E-18	0.301631	hyper	sig	chr8_64382086
chr1	18109347	18109347	+	1.472E-19	3.1615E-18	0.252776	hyper	sig	chr1_18109347
chr17	79423260	79423260	+	1.473E-19	3.1636E-18	-0.30907	hypo	sig	chr17_79423260
chr7	1.51E+08	150973011	+	1.473E-19	3.1647E-18	0.261279	hyper	sig	chr7_150973011
chr8	1.05E+08	105319843	+	1.474E-19	3.1664E-18	0.206312	hyper	sig	chr8_105319843
chr5	3590328	3590328	+	1.474E-19	3.167E-18	0.29997	hyper	sig	chr5_3590328
chr4	26804684	26804684	+	1.475E-19	3.1671E-18	0.26547	hyper	sig	chr4_26804684
chr15	33310819	33310819	+	1.475E-19	3.1672E-18	0.349045	hyper	sig	chr15_33310819
chr20	45098714	45098714	+	1.475E-19	3.1672E-18	0.356837	hyper	sig	chr20_45098714
chr4	41880668	41880668	+	1.476E-19	3.1689E-18	0.252203	hyper	sig	chr4_41880668
chr16	86516085	86516085	+	1.477E-19	3.1722E-18	0.309726	hyper	sig	chr16_86516085
chr20	51023574	51023574	+	1.477E-19	3.1725E-18	0.370221	hyper	sig	chr20_51023574
chr5	1.76E+08	175683434	+	1.478E-19	3.1734E-18	-0.32078	hypo	sig	chr5_175683434
chr4	1.45E+08	144646494	+	1.478E-19	3.1739E-18	0.296553	hyper	sig	chr4_144646494
chr2	68318847	68318847	+	1.479E-19	3.1761E-18	0.432637	hyper	sig	chr2_68318847
chr11	32438094	32438094	+	1.48E-19	3.1786E-18	0.30478	hyper	sig	chr11_32438094
chr8	1.31E+08	131043193	+	1.48E-19	3.1787E-18	-0.304	hypo	sig	chr8_131043193
chr17	2071924	2071924	+	1.481E-19	3.1804E-18	0.334794	hyper	sig	chr17_2071924
chr17	7425266	7425266	+	1.481E-19	3.1804E-18	-0.22993	hypo	sig	chr17_7425266
chr8	93496206	93496206	+	1.482E-19	3.1816E-18	0.327676	hyper	sig	chr8_93496206
chr17	63968194	63968194	+	1.483E-19	3.184E-18	-0.25484	hypo	sig	chr17_63968194
chr2	2.18E+08	218082012	+	1.486E-19	3.1893E-18	-0.23685	hypo	sig	chr2_218082012
chr8	1.4E+08	139620603	+	1.486E-19	3.1893E-18	-0.22194	hypo	sig	chr8_139620603
chr4	1.25E+08	125317215	+	1.487E-19	3.1919E-18	0.27005	hyper	sig	chr4_125317215
chr1	1.61E+08	161422115	+	1.488E-19	3.1933E-18	0.239609	hyper	sig	chr1_161422115
chr10	1.18E+08	117536360	+	1.488E-19	3.194E-18	0.210281	hyper	sig	chr10_117536360
chr7	1.01E+08	101020086	+	1.488E-19	3.1942E-18	-0.28883	hypo	sig	chr7_101020086
chr1	2.31E+08	231163650	+	1.488E-19	3.1945E-18	0.254663	hyper	sig	chr1_231163650
chr1	52843550	52843550	+	1.49E-19	3.1971E-18	0.343185	hyper	sig	chr1_52843550
chr2	2.28E+08	228180302	+	1.492E-19	3.2029E-18	0.298269	hyper	sig	chr2_228180302

chr6	73225394	73225394	+	1.493E-19	3.204E-18	-0.2296	hypo	sig	chr6_73225394
chr17	19745691	19745691	+	1.493E-19	3.2042E-18	-0.24569	hypo	sig	chr17_19745691
chr8	1.01E+08	101493297	+	1.494E-19	3.2053E-18	-0.27942	hypo	sig	chr8_101493297
chr6	79947183	79947183	+	1.495E-19	3.2084E-18	0.227406	hyper	sig	chr6_79947183
chr7	21543605	21543605	+	1.495E-19	3.2091E-18	0.241584	hyper	sig	chr7_21543605
chr14	85621817	85621817	+	1.497E-19	3.2123E-18	-0.24418	hypo	sig	chr14_85621817
chr4	1.11E+08	110630899	+	1.501E-19	3.2198E-18	0.269472	hyper	sig	chr4_110630899
chr9	1045622	1045622	+	1.502E-19	3.2229E-18	0.262456	hyper	sig	chr9_1045622
chr10	27745179	27745179	+	1.502E-19	3.2235E-18	0.326323	hyper	sig	chr10_27745179
chr2	1.3E+08	129979690	+	1.502E-19	3.2237E-18	0.214581	hyper	sig	chr2_129979690
chr11	66602267	66602267	+	1.504E-19	3.2273E-18	0.278685	hyper	sig	chr11_66602267
chr15	93074799	93074799	+	1.504E-19	3.2276E-18	-0.2905	hypo	sig	chr15_93074799
chr7	1.55E+08	154911664	+	1.507E-19	3.2327E-18	-0.21403	hypo	sig	chr7_154911664
chr16	1962548	1962548	+	1.507E-19	3.2336E-18	-0.20742	hypo	sig	chr16_1962548
chr6	84764708	84764708	+	1.509E-19	3.2366E-18	0.207127	hyper	sig	chr6_84764708
chr12	1.32E+08	132331933	+	1.51E-19	3.2384E-18	-0.32046	hypo	sig	chr12_132331933
chr12	1.14E+08	113669930	+	1.51E-19	3.2393E-18	0.27418	hyper	sig	chr12_113669930
chr16	1548846	1548846	+	1.511E-19	3.2413E-18	-0.23726	hypo	sig	chr16_1548846
chr8	17413880	17413880	+	1.512E-19	3.2428E-18	0.34162	hyper	sig	chr8_17413880
chr3	1.82E+08	181726673	+	1.512E-19	3.2436E-18	0.291447	hyper	sig	chr3_181726673
chr1	22111817	22111817	+	1.513E-19	3.2447E-18	0.314132	hyper	sig	chr1_22111817
chr3	10992180	10992180	+	1.513E-19	3.2456E-18	0.358	hyper	sig	chr3_10992180
chr2	10042398	10042398	+	1.514E-19	3.2463E-18	0.407085	hyper	sig	chr2_10042398
chr11	8019033	8019033	+	1.515E-19	3.2483E-18	0.2175	hyper	sig	chr11_8019033
chr1	3651111	3651111	+	1.515E-19	3.2502E-18	0.295393	hyper	sig	chr1_3651111
chr11	1.3E+08	130378375	+	1.516E-19	3.2503E-18	-0.28497	hypo	sig	chr11_130378375
chr10	1.01E+08	101140250	+	1.517E-19	3.2527E-18	0.288792	hyper	sig	chr10_101140250
chr19	35757021	35757021	+	1.518E-19	3.2543E-18	0.23606	hyper	sig	chr19_35757021
chr4	6727278	6727278	+	1.518E-19	3.2548E-18	0.32757	hyper	sig	chr4_6727278
chr8	54470089	54470089	+	1.518E-19	3.2555E-18	0.288033	hyper	sig	chr8_54470089
chr22	38074385	38074385	+	1.519E-19	3.2562E-18	0.315984	hyper	sig	chr22_38074385
chr3	1.26E+08	125972174	+	1.519E-19	3.2579E-18	0.224963	hyper	sig	chr3_125972174
chr6	1.67E+08	166656856	+	1.519E-19	3.258E-18	-0.27731	hypo	sig	chr6_166656856
chr2	1.19E+08	118859110	+	1.521E-19	3.2616E-18	0.226507	hyper	sig	chr2_118859110
chr15	25242676	25242676	+	1.521E-19	3.2621E-18	-0.29488	hypo	sig	chr15_25242676
chr8	1931576	1931576	+	1.522E-19	3.2632E-18	-0.31695	hypo	sig	chr8_1931576
chr17	36939447	36939447	+	1.523E-19	3.2649E-18	0.235726	hyper	sig	chr17_36939447
chr19	7349088	7349088	+	1.523E-19	3.2653E-18	-0.32985	hypo	sig	chr19_7349088
chr6	84766492	84766492	+	1.524E-19	3.2668E-18	0.403945	hyper	sig	chr6_84766492
chr7	2986102	2986102	+	1.524E-19	3.2672E-18	-0.23734	hypo	sig	chr7_2986102
chr2	11670298	11670298	+	1.526E-19	3.271E-18	0.251243	hyper	sig	chr2_11670298
chr3	1.07E+08	107429496	+	1.526E-19	3.2721E-18	0.211009	hyper	sig	chr3_107429496
chr19	15723155	15723155	+	1.527E-19	3.2728E-18	0.33292	hyper	sig	chr19_15723155
chr10	1.23E+08	122818926	+	1.527E-19	3.2729E-18	0.327817	hyper	sig	chr10_122818926
chr3	42536903	42536903	+	1.527E-19	3.2736E-18	-0.28113	hypo	sig	chr3_42536903
chr18	59305817	59305817	+	1.528E-19	3.2743E-18	-0.33521	hypo	sig	chr18_59305817
chr17	18982159	18982159	+	1.528E-19	3.2751E-18	-0.29181	hypo	sig	chr17_18982159
chr21	31557577	31557577	+	1.529E-19	3.2761E-18	0.276769	hyper	sig	chr21_31557577
chr12	78622	78622	+	1.529E-19	3.2767E-18	0.234871	hyper	sig	chr12_78622
chr21	45979734	45979734	+	1.529E-19	3.2769E-18	-0.25156	hypo	sig	chr21_45979734
chr17	82795319	82795319	+	1.532E-19	3.2822E-18	0.264333	hyper	sig	chr17_82795319
chr20	21020548	21020548	+	1.532E-19	3.2838E-18	0.332194	hyper	sig	chr20_21020548
chr3	1.47E+08	147391615	+	1.533E-19	3.2844E-18	0.325973	hyper	sig	chr3_147391615
chr17	3981605	3981605	+	1.535E-19	3.2891E-18	0.266828	hyper	sig	chr17_3981605
chr2	10428998	10428998	+	1.535E-19	3.2894E-18	-0.25373	hypo	sig	chr2_10428998
chr1	1.71E+08	170662215	+	1.536E-19	3.2913E-18	0.28527	hyper	sig	chr1_170662215

chr7	95773270	95773270	+	1.539E-19	3.2972E-18	0.333116	hyper	sig	chr7_95773270
chr1	90724694	90724694	+	1.539E-19	3.2975E-18	0.244675	hyper	sig	chr1_90724694
chr16	29184579	29184579	+	1.541E-19	3.3014E-18	-0.21985	hypo	sig	chr16_29184579
chr8	22232191	22232191	+	1.544E-19	3.3073E-18	0.284567	hyper	sig	chr8_22232191
chr2	2.39E+08	238847491	+	1.546E-19	3.3129E-18	0.251037	hyper	sig	chr2_238847491
chr16	3305093	3305093	+	1.547E-19	3.3138E-18	0.360588	hyper	sig	chr16_3305093
chr11	1.23E+08	122981767	+	1.548E-19	3.3173E-18	0.280781	hyper	sig	chr11_122981767
chr1	1163008	1163008	+	1.55E-19	3.3195E-18	-0.27039	hypo	sig	chr1_1163008
chr1	1.11E+08	111271129	+	1.55E-19	3.3214E-18	0.271173	hyper	sig	chr1_111271129
chr2	2.38E+08	237886263	+	1.553E-19	3.3267E-18	0.276505	hyper	sig	chr2_237886263
chr3	1.28E+08	128493668	+	1.553E-19	3.3275E-18	0.300592	hyper	sig	chr3_128493668
chr1	14915720	14915720	+	1.554E-19	3.3286E-18	-0.32974	hypo	sig	chr1_14915720
chr8	1.44E+08	144336119	+	1.554E-19	3.3291E-18	0.326045	hyper	sig	chr8_144336119
chr6	83853413	83853413	+	1.556E-19	3.3319E-18	0.224687	hyper	sig	chr6_83853413
chr11	1.29E+08	128876480	+	1.556E-19	3.3331E-18	-0.24568	hypo	sig	chr11_128876480
chr12	94874098	94874098	+	1.557E-19	3.334E-18	0.257759	hyper	sig	chr12_94874098
chr6	32056697	32056697	+	1.557E-19	3.334E-18	-0.2691	hypo	sig	chr6_32056697
chr16	89699974	89699974	+	1.558E-19	3.336E-18	0.243946	hyper	sig	chr16_89699974
chr19	49433017	49433017	+	1.558E-19	3.3362E-18	0.358485	hyper	sig	chr19_49433017
chr6	10390578	10390578	+	1.558E-19	3.3365E-18	0.295423	hyper	sig	chr6_10390578
chr16	3654800	3654800	+	1.559E-19	3.3377E-18	-0.29405	hypo	sig	chr16_3654800
chr12	4909063	4909063	+	1.559E-19	3.339E-18	0.281967	hyper	sig	chr12_4909063
chr14	1.04E+08	103872519	+	1.56E-19	3.3412E-18	-0.24066	hypo	sig	chr14_103872519
chr3	1.38E+08	138114792	+	1.56E-19	3.3412E-18	0.323735	hyper	sig	chr3_138114792
chr19	23204245	23204245	+	1.561E-19	3.3432E-18	0.308096	hyper	sig	chr19_23204245
chr7	79924824	79924824	+	1.562E-19	3.3441E-18	-0.24372	hypo	sig	chr7_79924824
chr7	97731872	97731872	+	1.563E-19	3.3474E-18	0.206792	hyper	sig	chr7_97731872
chr21	43830005	43830005	+	1.564E-19	3.3482E-18	-0.30455	hypo	sig	chr21_43830005
chr16	2853202	2853202	+	1.566E-19	3.352E-18	0.345989	hyper	sig	chr16_2853202
chr1	1.1E+08	109978964	+	1.569E-19	3.36E-18	-0.2417	hypo	sig	chr1_109978964
chr3	1.38E+08	137761908	+	1.571E-19	3.3626E-18	0.284067	hyper	sig	chr3_137761908
chr14	94774128	94774128	+	1.572E-19	3.3652E-18	0.270036	hyper	sig	chr14_94774128
chr3	1.38E+08	137761825	+	1.572E-19	3.3652E-18	0.352921	hyper	sig	chr3_137761825
chr13	1.11E+08	111337338	+	1.573E-19	3.3675E-18	-0.29619	hypo	sig	chr13_111337338
chr7	16527259	16527259	+	1.579E-19	3.379E-18	-0.29564	hypo	sig	chr7_16527259
chr19	16283763	16283763	+	1.579E-19	3.3801E-18	0.23099	hyper	sig	chr19_16283763
chr15	25863609	25863609	+	1.579E-19	3.3803E-18	0.231365	hyper	sig	chr15_25863609
chr6	16069392	16069392	+	1.58E-19	3.3823E-18	0.341946	hyper	sig	chr6_16069392
chr5	1.41E+08	141360306	+	1.58E-19	3.3823E-18	0.301332	hyper	sig	chr5_141360306
chr16	89343962	89343962	+	1.58E-19	3.3825E-18	-0.29009	hypo	sig	chr16_89343962
chr8	1.43E+08	143285209	+	1.581E-19	3.3841E-18	-0.32093	hypo	sig	chr8_143285209
chr2	11634311	11634311	+	1.581E-19	3.3847E-18	-0.22983	hypo	sig	chr2_11634311
chr7	1.55E+08	155466270	+	1.582E-19	3.3863E-18	0.209553	hyper	sig	chr7_155466270
chr11	61827544	61827544	+	1.583E-19	3.3888E-18	0.222474	hyper	sig	chr11_61827544
chr7	85186624	85186624	+	1.584E-19	3.3902E-18	0.280283	hyper	sig	chr7_85186624
chr3	51955807	51955807	+	1.586E-19	3.3932E-18	0.316116	hyper	sig	chr3_51955807
chr1	1034364	1034364	+	1.587E-19	3.397E-18	0.274001	hyper	sig	chr1_1034364
chr6	62285666	62285666	+	1.588E-19	3.3978E-18	0.294318	hyper	sig	chr6_62285666
chr8	1.44E+08	144412216	+	1.588E-19	3.3978E-18	0.244129	hyper	sig	chr8_144412216
chr8	22589705	22589705	+	1.588E-19	3.3988E-18	0.382748	hyper	sig	chr8_22589705
chr14	99936348	99936348	+	1.589E-19	3.4007E-18	-0.25804	hypo	sig	chr14_99936348
chr1	2.37E+08	236735741	+	1.592E-19	3.4053E-18	-0.22056	hypo	sig	chr1_236735741
chr2	11656897	11656897	+	1.593E-19	3.4084E-18	-0.29621	hypo	sig	chr2_11656897
chr4	95549816	95549816	+	1.593E-19	3.4091E-18	0.227346	hyper	sig	chr4_95549816
chr14	1.06E+08	105564641	+	1.594E-19	3.4106E-18	-0.34428	hypo	sig	chr14_105564641
chr12	1.21E+08	120649853	+	1.595E-19	3.4114E-18	0.235279	hyper	sig	chr12_120649853

chr20	24469227	24469227	+	1.595E-19	3.4115E-18	0.334403	hyper	sig	chr20_24469227
chr1	33307173	33307173	+	1.596E-19	3.414E-18	0.296169	hyper	sig	chr1_33307173
chr17	1977752	1977752	+	1.596E-19	3.4145E-18	0.20339	hyper	sig	chr17_1977752
chr1	1.88E+08	187563909	+	1.597E-19	3.4153E-18	-0.34203	hypo	sig	chr1_187563909
chr12	1.18E+08	118132272	+	1.597E-19	3.4154E-18	-0.27442	hypo	sig	chr12_118132272
chr1	2.43E+08	242523716	+	1.597E-19	3.4163E-18	0.323237	hyper	sig	chr1_242523716
chr3	44585252	44585252	+	1.597E-19	3.4163E-18	0.278217	hyper	sig	chr3_44585252
chr11	1.26E+08	126356148	+	1.598E-19	3.4175E-18	0.29965	hyper	sig	chr11_126356148
chr1	1006784	1006784	+	1.598E-19	3.4181E-18	-0.27083	hypo	sig	chr1_1006784
chr1	2.48E+08	247937163	+	1.598E-19	3.4185E-18	0.254273	hyper	sig	chr1_247937163
chr4	4858114	4858114	+	1.599E-19	3.419E-18	0.35116	hyper	sig	chr4_4858114
chr6	31546109	31546109	+	1.601E-19	3.4231E-18	0.299776	hyper	sig	chr6_31546109
chr3	46577156	46577156	+	1.601E-19	3.4235E-18	0.380746	hyper	sig	chr3_46577156
chr11	32433364	32433364	+	1.602E-19	3.425E-18	0.266717	hyper	sig	chr11_32433364
chr20	17227961	17227961	+	1.604E-19	3.4289E-18	0.320723	hyper	sig	chr20_17227961
chr10	1.29E+08	128541063	+	1.604E-19	3.4309E-18	0.291735	hyper	sig	chr10_128541063
chr7	1.29E+08	128511986	+	1.606E-19	3.4334E-18	-0.24868	hypo	sig	chr7_128511986
chr3	10993409	10993409	+	1.607E-19	3.4354E-18	0.237657	hyper	sig	chr3_10993409
chr16	1088420	1088420	+	1.607E-19	3.4359E-18	-0.27095	hypo	sig	chr16_1088420
chr3	1.47E+08	147357312	+	1.607E-19	3.4359E-18	0.256794	hyper	sig	chr3_147357312
chr1	24931440	24931440	+	1.607E-19	3.4366E-18	0.399568	hyper	sig	chr1_24931440
chr10	1.3E+08	129884598	+	1.608E-19	3.4375E-18	-0.26944	hypo	sig	chr10_129884598
chr15	74133803	74133803	+	1.609E-19	3.4405E-18	0.336639	hyper	sig	chr15_74133803
chr15	89371824	89371824	+	1.61E-19	3.4414E-18	0.262173	hyper	sig	chr15_89371824
chr2	1.61E+08	161427530	+	1.611E-19	3.4446E-18	0.267405	hyper	sig	chr2_161427530
chr2	2.19E+08	218983907	+	1.613E-19	3.4472E-18	0.266195	hyper	sig	chr2_218983907
chr19	19211754	19211754	+	1.613E-19	3.4477E-18	0.359554	hyper	sig	chr19_19211754
chr1	21334558	21334558	+	1.614E-19	3.4492E-18	-0.34379	hypo	sig	chr1_21334558
chr5	1.32E+08	132258065	+	1.614E-19	3.4492E-18	0.361905	hyper	sig	chr5_132258065
chr16	1482486	1482486	+	1.614E-19	3.4502E-18	-0.37517	hypo	sig	chr16_1482486
chr6	98842745	98842745	+	1.615E-19	3.4511E-18	0.315294	hyper	sig	chr6_98842745
chr20	24469073	24469073	+	1.615E-19	3.4528E-18	0.275026	hyper	sig	chr20_24469073
chr1	1.19E+08	118979763	+	1.617E-19	3.4561E-18	0.309665	hyper	sig	chr1_118979763
chr8	1.31E+08	131041579	+	1.617E-19	3.4565E-18	0.305885	hyper	sig	chr8_131041579
chr7	32428561	32428561	+	1.617E-19	3.4566E-18	0.405557	hyper	sig	chr7_32428561
chr8	2099122	2099122	+	1.618E-19	3.457E-18	-0.3294	hypo	sig	chr8_2099122
chr5	33936590	33936590	+	1.618E-19	3.4575E-18	0.29379	hyper	sig	chr5_33936590
chr8	1.08E+08	108083065	+	1.619E-19	3.4596E-18	0.295854	hyper	sig	chr8_108083065
chr19	54164494	54164494	+	1.619E-19	3.4602E-18	0.27762	hyper	sig	chr19_54164494
chr7	4833325	4833325	+	1.619E-19	3.4604E-18	-0.20179	hypo	sig	chr7_4833325
chr1	16520796	16520796	+	1.62E-19	3.4611E-18	0.24953	hyper	sig	chr1_16520796
chr3	1.4E+08	139539852	+	1.62E-19	3.462E-18	0.213634	hyper	sig	chr3_139539852
chr18	12253812	12253812	+	1.621E-19	3.4626E-18	0.235884	hyper	sig	chr18_12253812
chr3	1.47E+08	147396134	+	1.621E-19	3.4626E-18	0.304902	hyper	sig	chr3_147396134
chr15	31399011	31399011	+	1.621E-19	3.4627E-18	-0.31275	hypo	sig	chr15_31399011
chr1	92441841	92441841	+	1.622E-19	3.4645E-18	-0.34508	hypo	sig	chr1_92441841
chr16	88316299	88316299	+	1.622E-19	3.4648E-18	-0.24919	hypo	sig	chr16_88316299
chr2	23617508	23617508	+	1.623E-19	3.4675E-18	0.375136	hyper	sig	chr2_23617508
chr11	78703342	78703342	+	1.625E-19	3.4718E-18	-0.25445	hypo	sig	chr11_78703342
chr17	40035231	40035231	+	1.627E-19	3.4763E-18	0.383591	hyper	sig	chr17_40035231
chr16	3183811	3183811	+	1.627E-19	3.4763E-18	0.231195	hyper	sig	chr16_3183811
chr7	64574606	64574606	+	1.628E-19	3.4771E-18	0.301083	hyper	sig	chr7_64574606
chr3	46464896	46464896	+	1.628E-19	3.4774E-18	0.279184	hyper	sig	chr3_46464896
chr1	1.66E+08	165941522	+	1.628E-19	3.4776E-18	-0.22801	hypo	sig	chr1_165941522
chr4	84481280	84481280	+	1.63E-19	3.4825E-18	0.217623	hyper	sig	chr4_84481280
chr6	41239685	41239685	+	1.631E-19	3.4838E-18	0.305681	hyper	sig	chr6_41239685

chr19	52297844	52297844	+	1.632E-19	3.4854E-18	0.2912	hyper	sig	chr19_52297844
chr18	33441009	33441009	+	1.633E-19	3.4885E-18	0.27559	hyper	sig	chr18_33441009
chr16	85845334	85845334	+	1.635E-19	3.4917E-18	0.313881	hyper	sig	chr16_85845334
chr11	17719722	17719722	+	1.636E-19	3.4936E-18	0.331745	hyper	sig	chr11_17719722
chr7	6664443	6664443	+	1.637E-19	3.4951E-18	0.299569	hyper	sig	chr7_6664443
chr12	52675950	52675950	+	1.637E-19	3.4961E-18	-0.23276	hypo	sig	chr12_52675950
chr20	59934461	59934461	+	1.637E-19	3.4967E-18	0.280083	hyper	sig	chr20_59934461
chr16	783194	783194	+	1.638E-19	3.4978E-18	-0.24623	hypo	sig	chr16_783194
chr12	4909420	4909420	+	1.639E-19	3.4991E-18	0.261865	hyper	sig	chr12_4909420
chr17	44967367	44967367	+	1.639E-19	3.5009E-18	0.320406	hyper	sig	chr17_44967367
chr12	1.14E+08	114417612	+	1.644E-19	3.5106E-18	-0.33285	hypo	sig	chr12_114417612
chr17	80472067	80472067	+	1.644E-19	3.5107E-18	-0.3366	hypo	sig	chr17_80472067
chr1	1.1E+08	110069090	+	1.645E-19	3.5114E-18	0.224694	hyper	sig	chr1_110069090
chr6	1.08E+08	108115011	+	1.646E-19	3.5139E-18	0.258838	hyper	sig	chr6_108115011
chr1	1.1E+08	109668333	+	1.646E-19	3.5149E-18	0.320331	hyper	sig	chr1_109668333
chr1	2.45E+08	245361945	+	1.648E-19	3.5189E-18	-0.319	hypo	sig	chr1_245361945
chr11	1.16E+08	115659502	+	1.651E-19	3.5252E-18	0.249569	hyper	sig	chr11_115659502
chr19	55118633	55118633	+	1.652E-19	3.5265E-18	0.22461	hyper	sig	chr19_55118633
chr8	48868142	48868142	+	1.652E-19	3.5275E-18	-0.23665	hypo	sig	chr8_48868142
chr5	51389950	51389950	+	1.653E-19	3.5287E-18	0.334315	hyper	sig	chr5_51389950
chr11	45355381	45355381	+	1.654E-19	3.5299E-18	0.236631	hyper	sig	chr11_45355381
chr13	36432196	36432196	+	1.656E-19	3.534E-18	0.231131	hyper	sig	chr13_36432196
chr1	2.28E+08	227541843	+	1.656E-19	3.5355E-18	0.347988	hyper	sig	chr1_227541843
chr7	1.57E+08	157124408	+	1.657E-19	3.5366E-18	0.200645	hyper	sig	chr7_157124408
chr10	97185309	97185309	+	1.658E-19	3.5389E-18	0.288517	hyper	sig	chr10_97185309
chr1	47433533	47433533	+	1.659E-19	3.5405E-18	0.340181	hyper	sig	chr1_47433533
chr12	75207656	75207656	+	1.66E-19	3.542E-18	0.336289	hyper	sig	chr12_75207656
chr16	1659721	1659721	+	1.66E-19	3.5434E-18	0.295266	hyper	sig	chr16_1659721
chr10	23195275	23195275	+	1.662E-19	3.5463E-18	0.353858	hyper	sig	chr10_23195275
chr16	85753445	85753445	+	1.662E-19	3.5464E-18	0.298934	hyper	sig	chr16_85753445
chr9	1.36E+08	136202488	+	1.662E-19	3.5474E-18	0.329122	hyper	sig	chr9_136202488
chr4	1533939	1533939	+	1.664E-19	3.5518E-18	0.276384	hyper	sig	chr4_1533939
chr1	18631562	18631562	+	1.668E-19	3.5603E-18	0.250505	hyper	sig	chr1_18631562
chr5	42971141	42971141	+	1.669E-19	3.5605E-18	0.232413	hyper	sig	chr5_42971141
chr1	2.21E+08	220881458	+	1.669E-19	3.5625E-18	0.262345	hyper	sig	chr1_220881458
chr17	77282064	77282064	+	1.671E-19	3.5655E-18	-0.24307	hypo	sig	chr17_77282064
chr10	93075495	93075495	+	1.673E-19	3.5698E-18	0.40116	hyper	sig	chr10_93075495
chr10	1.33E+08	132627616	+	1.674E-19	3.5709E-18	0.273066	hyper	sig	chr10_132627616
chr16	28539298	28539298	+	1.675E-19	3.5733E-18	0.218034	hyper	sig	chr16_28539298
chr2	2.22E+08	222302220	+	1.677E-19	3.5787E-18	0.202768	hyper	sig	chr2_222302220
chr19	5712057	5712057	+	1.678E-19	3.5798E-18	-0.24477	hypo	sig	chr19_5712057
chr3	1.22E+08	122286277	+	1.682E-19	3.589E-18	-0.26924	hypo	sig	chr3_122286277
chr5	79690035	79690035	+	1.682E-19	3.589E-18	0.401368	hyper	sig	chr5_79690035
chr20	37344639	37344639	+	1.684E-19	3.5912E-18	-0.30575	hypo	sig	chr20_37344639
chr15	63597051	63597051	+	1.684E-19	3.5913E-18	0.270711	hyper	sig	chr15_63597051
chr15	66714793	66714793	+	1.685E-19	3.5931E-18	0.300114	hyper	sig	chr15_66714793
chr2	1.05E+08	104863833	+	1.686E-19	3.5956E-18	0.3155	hyper	sig	chr2_104863833
chr16	1020175	1020175	+	1.686E-19	3.5961E-18	-0.34029	hypo	sig	chr16_1020175
chr20	56627831	56627831	+	1.687E-19	3.5975E-18	0.302826	hyper	sig	chr20_56627831
chr12	75206627	75206627	+	1.687E-19	3.5977E-18	-0.24356	hypo	sig	chr12_75206627
chr1	2.18E+08	218346752	+	1.688E-19	3.5994E-18	0.233108	hyper	sig	chr1_218346752
chr3	6862940	6862940	+	1.689E-19	3.6016E-18	0.325941	hyper	sig	chr3_6862940
chr5	1.42E+08	141883731	+	1.69E-19	3.6033E-18	0.242354	hyper	sig	chr5_141883731
chr10	23200773	23200773	+	1.69E-19	3.6034E-18	0.315953	hyper	sig	chr10_23200773
chr3	27731157	27731157	+	1.69E-19	3.6042E-18	0.237547	hyper	sig	chr3_27731157
chr1	1.57E+08	156657036	+	1.691E-19	3.6063E-18	0.240121	hyper	sig	chr1_156657036

chr16	88410180	88410180	+	1.691E-19	3.6063E-18	-0.27405	hypo	sig	chr16_88410180
chr12	52116125	52116125	+	1.692E-19	3.607E-18	-0.24149	hypo	sig	chr12_52116125
chr13	1.1E+08	110387846	+	1.694E-19	3.6113E-18	0.301093	hyper	sig	chr13_110387846
chr7	47315362	47315362	+	1.695E-19	3.6134E-18	0.32296	hyper	sig	chr7_47315362
chr11	8019018	8019018	+	1.695E-19	3.6145E-18	0.21823	hyper	sig	chr11_8019018
chr3	68007935	68007935	+	1.696E-19	3.6153E-18	0.265254	hyper	sig	chr3_68007935
chr18	4454476	4454476	+	1.697E-19	3.6172E-18	0.208157	hyper	sig	chr18_4454476
chr10	1.17E+08	117241890	+	1.699E-19	3.6228E-18	0.212231	hyper	sig	chr10_117241890
chr13	25468427	25468427	+	1.699E-19	3.6228E-18	0.345571	hyper	sig	chr13_25468427
chr10	1.31E+08	131177890	+	1.7E-19	3.6231E-18	0.331343	hyper	sig	chr10_131177890
chr5	1.52E+08	151529294	+	1.701E-19	3.6255E-18	-0.27058	hypo	sig	chr5_151529294
chr6	1.05E+08	105136218	+	1.706E-19	3.6358E-18	0.340973	hyper	sig	chr6_105136218
chr5	1.41E+08	141364802	+	1.706E-19	3.6359E-18	0.337469	hyper	sig	chr5_141364802
chr10	1.19E+08	118595945	+	1.706E-19	3.6367E-18	0.438144	hyper	sig	chr10_118595945
chr5	1.41E+08	141365394	+	1.707E-19	3.6392E-18	0.231146	hyper	sig	chr5_141365394
chr9	1.29E+08	129254003	+	1.709E-19	3.6425E-18	0.377318	hyper	sig	chr9_129254003
chr7	77245547	77245547	+	1.709E-19	3.6428E-18	0.266831	hyper	sig	chr7_77245547
chr1	2.01E+08	200892159	+	1.709E-19	3.643E-18	-0.33794	hypo	sig	chr1_200892159
chr1	1.6E+08	160371019	+	1.71E-19	3.645E-18	0.323864	hyper	sig	chr1_160371019
chr15	47184859	47184859	+	1.71E-19	3.6452E-18	0.285124	hyper	sig	chr15_47184859
chr12	1.31E+08	131000216	+	1.712E-19	3.6476E-18	-0.28842	hypo	sig	chr12_131000216
chr5	88690123	88690123	+	1.714E-19	3.6517E-18	0.218302	hyper	sig	chr5_88690123
chr3	36379313	36379313	+	1.714E-19	3.6528E-18	-0.2086	hypo	sig	chr3_36379313
chr7	1693724	1693724	+	1.715E-19	3.6549E-18	-0.31613	hypo	sig	chr7_1693724
chr10	1.03E+08	102869054	+	1.722E-19	3.6682E-18	0.270816	hyper	sig	chr10_102869054
chr20	61813693	61813693	+	1.722E-19	3.6687E-18	-0.32295	hypo	sig	chr20_61813693
chr11	1.23E+08	122977780	+	1.725E-19	3.6752E-18	0.278064	hyper	sig	chr11_122977780
chr17	29018599	29018599	+	1.725E-19	3.6752E-18	-0.32892	hypo	sig	chr17_29018599
chr10	7666895	7666895	+	1.726E-19	3.6773E-18	0.292666	hyper	sig	chr10_7666895
chr16	86499364	86499364	+	1.727E-19	3.6797E-18	0.358635	hyper	sig	chr16_86499364
chr22	24427082	24427082	+	1.728E-19	3.6808E-18	-0.28005	hypo	sig	chr22_24427082
chr4	1.57E+08	157222598	+	1.73E-19	3.6847E-18	0.324243	hyper	sig	chr4_157222598
chr7	1234513	1234513	+	1.732E-19	3.6906E-18	0.333425	hyper	sig	chr7_1234513
chr7	4769264	4769264	+	1.733E-19	3.6915E-18	0.268734	hyper	sig	chr7_4769264
chr8	96145577	96145577	+	1.733E-19	3.6922E-18	0.373413	hyper	sig	chr8_96145577
chr1	1165095	1165095	+	1.734E-19	3.693E-18	-0.25135	hypo	sig	chr1_1165095
chr8	40897663	40897663	+	1.735E-19	3.6951E-18	0.241142	hyper	sig	chr8_40897663
chr20	38727847	38727847	+	1.735E-19	3.6961E-18	0.254496	hyper	sig	chr20_38727847
chr11	1.35E+08	134712976	+	1.735E-19	3.6964E-18	-0.26877	hypo	sig	chr11_134712976
chr5	958773	958773	+	1.736E-19	3.697E-18	-0.33269	hypo	sig	chr5_958773
chr3	1.95E+08	194688127	+	1.739E-19	3.7028E-18	0.269611	hyper	sig	chr3_194688127
chr1	1.19E+08	118992276	+	1.739E-19	3.7031E-18	0.284938	hyper	sig	chr1_118992276
chr13	35472440	35472440	+	1.74E-19	3.7062E-18	-0.31213	hypo	sig	chr13_35472440
chr19	43802413	43802413	+	1.74E-19	3.7062E-18	0.2808	hyper	sig	chr19_43802413
chr12	1.03E+08	103496150	+	1.742E-19	3.7088E-18	0.280907	hyper	sig	chr12_103496150
chr6	1.68E+08	168264853	+	1.744E-19	3.714E-18	-0.22994	hypo	sig	chr6_168264853
chr17	45583525	45583525	+	1.745E-19	3.7151E-18	-0.23025	hypo	sig	chr17_45583525
chr5	1.41E+08	141188699	+	1.745E-19	3.7151E-18	0.300099	hyper	sig	chr5_141188699
chr2	98346581	98346581	+	1.745E-19	3.7159E-18	0.244368	hyper	sig	chr2_98346581
chr8	81521654	81521654	+	1.746E-19	3.717E-18	-0.26179	hypo	sig	chr8_81521654
chr20	30316241	30316241	+	1.746E-19	3.7175E-18	0.353284	hyper	sig	chr20_30316241
chr8	84183455	84183455	+	1.747E-19	3.7198E-18	0.434876	hyper	sig	chr8_84183455
chr8	92102520	92102520	+	1.747E-19	3.7198E-18	0.201537	hyper	sig	chr8_92102520
chr16	86578716	86578716	+	1.748E-19	3.7211E-18	0.291948	hyper	sig	chr16_86578716
chr2	1.27E+08	127025171	+	1.748E-19	3.7215E-18	0.257376	hyper	sig	chr2_127025171
chr19	5036839	5036839	+	1.749E-19	3.7235E-18	0.262	hyper	sig	chr19_5036839

chr5	1.41E+08	141178111	+	1.749E-19	3.7244E-18	0.369291	hyper	sig	chr5_141178111
chr8	70070616	70070616	+	1.749E-19	3.7244E-18	0.356528	hyper	sig	chr8_70070616
chr10	13890957	13890957	+	1.75E-19	3.7246E-18	0.234771	hyper	sig	chr10_13890957
chr10	69569328	69569328	+	1.75E-19	3.7259E-18	0.369501	hyper	sig	chr10_69569328
chr17	82032387	82032387	+	1.751E-19	3.7282E-18	0.331249	hyper	sig	chr17_82032387
chr2	2.38E+08	238142168	+	1.752E-19	3.7287E-18	-0.28623	hypo	sig	chr2_238142168
chr2	2.07E+08	206642302	+	1.752E-19	3.7291E-18	0.35191	hyper	sig	chr2_206642302
chr6	1.38E+08	137879197	+	1.752E-19	3.7295E-18	0.267009	hyper	sig	chr6_137879197
chr15	84080694	84080694	+	1.752E-19	3.7301E-18	0.284159	hyper	sig	chr15_84080694
chr19	44448570	44448570	+	1.753E-19	3.7307E-18	0.215129	hyper	sig	chr19_44448570
chr6	1.67E+08	166721721	+	1.753E-19	3.7307E-18	-0.3001	hypo	sig	chr6_166721721
chr13	1.07E+08	106530747	+	1.753E-19	3.7317E-18	-0.27664	hypo	sig	chr13_106530747
chr12	75207685	75207685	+	1.754E-19	3.7324E-18	0.315273	hyper	sig	chr12_75207685
chr20	46174970	46174970	+	1.754E-19	3.7324E-18	0.326401	hyper	sig	chr20_46174970
chr7	1.3E+08	129958785	+	1.758E-19	3.7414E-18	-0.25403	hypo	sig	chr7_129958785
chr6	34002141	34002141	+	1.758E-19	3.7418E-18	0.304326	hyper	sig	chr6_34002141
chr21	34072861	34072861	+	1.759E-19	3.7433E-18	0.279808	hyper	sig	chr21_34072861
chr5	11903115	11903115	+	1.762E-19	3.7487E-18	0.295825	hyper	sig	chr5_11903115
chr2	2.42E+08	241666718	+	1.763E-19	3.7511E-18	0.248852	hyper	sig	chr2_241666718
chr3	1.33E+08	133038147	+	1.763E-19	3.7515E-18	0.231094	hyper	sig	chr3_133038147
chr15	24101845	24101845	+	1.765E-19	3.7561E-18	0.262439	hyper	sig	chr15_24101845
chr10	90857149	90857149	+	1.767E-19	3.7588E-18	0.327491	hyper	sig	chr10_90857149
chr5	1.46E+08	146334317	+	1.768E-19	3.7614E-18	0.285511	hyper	sig	chr5_146334317
chr22	17121804	17121804	+	1.769E-19	3.7646E-18	0.232583	hyper	sig	chr22_17121804
chr1	2446034	2446034	+	1.77E-19	3.7655E-18	-0.35768	hypo	sig	chr1_2446034
chr17	36946015	36946015	+	1.771E-19	3.7666E-18	0.225914	hyper	sig	chr17_36946015
chr7	45575802	45575802	+	1.771E-19	3.767E-18	0.284273	hyper	sig	chr7_45575802
chr4	84483944	84483944	+	1.771E-19	3.7682E-18	0.262933	hyper	sig	chr4_84483944
chr13	19560612	19560612	+	1.772E-19	3.7687E-18	-0.27821	hypo	sig	chr13_19560612
chr12	1.14E+08	114396107	+	1.773E-19	3.7724E-18	0.266986	hyper	sig	chr12_114396107
chr22	39284486	39284486	+	1.774E-19	3.7735E-18	-0.25952	hypo	sig	chr22_39284486
chr17	50834954	50834954	+	1.774E-19	3.7744E-18	0.26157	hyper	sig	chr17_50834954
chr12	1642191	1642191	+	1.775E-19	3.776E-18	-0.27528	hypo	sig	chr12_1642191
chr14	28774519	28774519	+	1.777E-19	3.7804E-18	0.300326	hyper	sig	chr14_28774519
chr2	2.42E+08	241815190	+	1.778E-19	3.7814E-18	-0.37739	hypo	sig	chr2_241815190
chr11	60852151	60852151	+	1.779E-19	3.7829E-18	-0.32366	hypo	sig	chr11_60852151
chr21	44990128	44990128	+	1.779E-19	3.7829E-18	0.289902	hyper	sig	chr21_44990128
chr12	1.24E+08	124480717	+	1.779E-19	3.7832E-18	0.216559	hyper	sig	chr12_124480717
chr19	14408309	14408309	+	1.78E-19	3.7853E-18	-0.28407	hypo	sig	chr19_14408309
chr17	62701520	62701520	+	1.781E-19	3.7868E-18	-0.29422	hypo	sig	chr17_62701520
chr10	99531546	99531546	+	1.781E-19	3.7869E-18	0.251659	hyper	sig	chr10_99531546
chr10	55628373	55628373	+	1.781E-19	3.7874E-18	0.25487	hyper	sig	chr10_55628373
chr12	98893998	98893998	+	1.782E-19	3.7898E-18	0.266192	hyper	sig	chr12_98893998
chr12	1.11E+08	111035814	+	1.783E-19	3.7912E-18	0.229958	hyper	sig	chr12_111035814
chr2	1.74E+08	174328100	+	1.785E-19	3.7951E-18	0.223034	hyper	sig	chr2_174328100
chr1	2.28E+08	227914709	+	1.786E-19	3.7974E-18	0.370479	hyper	sig	chr1_227914709
chr16	85615239	85615239	+	1.787E-19	3.7985E-18	-0.2863	hypo	sig	chr16_85615239
chr10	1.16E+08	116274385	+	1.789E-19	3.8044E-18	0.29768	hyper	sig	chr10_116274385
chr4	1.07E+08	107035966	+	1.79E-19	3.8049E-18	0.335132	hyper	sig	chr4_107035966
chr17	42563237	42563237	+	1.79E-19	3.8055E-18	-0.25041	hypo	sig	chr17_42563237
chr17	60103057	60103057	+	1.79E-19	3.8055E-18	-0.24728	hypo	sig	chr17_60103057
chr13	87678208	87678208	+	1.79E-19	3.8061E-18	0.214348	hyper	sig	chr13_87678208
chr11	1.3E+08	130446155	+	1.792E-19	3.8083E-18	-0.27531	hypo	sig	chr11_130446155
chr7	97026486	97026486	+	1.792E-19	3.8087E-18	0.229264	hyper	sig	chr7_97026486
chr1	1.47E+08	147050942	+	1.792E-19	3.8095E-18	-0.22907	hypo	sig	chr1_147050942
chr17	7420366	7420366	+	1.796E-19	3.8174E-18	-0.23547	hypo	sig	chr17_7420366

chr4	215893	215893	+	1.796E-19	3.818E-18	-0.30628	hypo	sig	chr4_215893
chr7	76259888	76259888	+	1.797E-19	3.8188E-18	0.272206	hyper	sig	chr7_76259888
chr20	21608455	21608455	+	1.799E-19	3.823E-18	-0.36682	hypo	sig	chr20_21608455
chr16	51113764	51113764	+	1.799E-19	3.8244E-18	0.247496	hyper	sig	chr16_51113764
chr16	86566703	86566703	+	1.8E-19	3.825E-18	0.232241	hyper	sig	chr16_86566703
chr8	72537944	72537944	+	1.8E-19	3.8252E-18	0.329703	hyper	sig	chr8_72537944
chr19	32869737	32869737	+	1.8E-19	3.8259E-18	-0.35177	hypo	sig	chr19_32869737
chr2	1653707	1653707	+	1.802E-19	3.83E-18	0.278785	hyper	sig	chr2_1653707
chr10	619280	619280	+	1.803E-19	3.8324E-18	-0.33779	hypo	sig	chr10_619280
chr12	1.33E+08	132887108	+	1.804E-19	3.8327E-18	0.211914	hyper	sig	chr12_132887108
chr14	56799195	56799195	+	1.804E-19	3.8333E-18	0.288913	hyper	sig	chr14_56799195
chr16	72947604	72947604	+	1.804E-19	3.8333E-18	0.352982	hyper	sig	chr16_72947604
chr6	1.59E+08	159168932	+	1.806E-19	3.8377E-18	0.285811	hyper	sig	chr6_159168932
chr1	1.14E+08	114154456	+	1.806E-19	3.8378E-18	0.229238	hyper	sig	chr1_114154456
chr19	58118570	58118570	+	1.809E-19	3.843E-18	0.305674	hyper	sig	chr19_58118570
chr1	16521148	16521148	+	1.812E-19	3.8491E-18	0.322644	hyper	sig	chr1_16521148
chr10	90857185	90857185	+	1.814E-19	3.8547E-18	0.339749	hyper	sig	chr10_90857185
chr15	43329720	43329720	+	1.816E-19	3.8589E-18	0.297801	hyper	sig	chr15_43329720
chr9	1.22E+08	121699416	+	1.817E-19	3.861E-18	0.201405	hyper	sig	chr9_121699416
chr1	20473300	20473300	+	1.818E-19	3.8612E-18	0.254216	hyper	sig	chr1_20473300
chr10	1.01E+08	101306654	+	1.818E-19	3.8623E-18	-0.28233	hypo	sig	chr10_101306654
chr15	22951900	22951900	+	1.819E-19	3.8642E-18	0.251975	hyper	sig	chr15_22951900
chr8	1.16E+08	115667536	+	1.819E-19	3.8648E-18	0.298293	hyper	sig	chr8_115667536
chr10	68561834	68561834	+	1.82E-19	3.8664E-18	0.307889	hyper	sig	chr10_68561834
chr15	80778512	80778512	+	1.824E-19	3.8737E-18	-0.2911	hypo	sig	chr15_80778512
chr2	2.42E+08	241891077	+	1.824E-19	3.8747E-18	-0.26065	hypo	sig	chr2_241891077
chr1	2.21E+08	220892070	+	1.825E-19	3.8753E-18	-0.31329	hypo	sig	chr1_220892070
chr16	86388340	86388340	+	1.825E-19	3.8753E-18	-0.23288	hypo	sig	chr16_86388340
chr3	1.95E+08	195258617	+	1.825E-19	3.8767E-18	0.330579	hyper	sig	chr3_195258617
chr2	1413381	1413381	+	1.828E-19	3.8814E-18	-0.24587	hypo	sig	chr2_1413381
chr19	53604452	53604452	+	1.829E-19	3.8844E-18	-0.26867	hypo	sig	chr19_53604452
chr12	1836134	1836134	+	1.83E-19	3.8866E-18	-0.3309	hypo	sig	chr12_1836134
chr10	47300747	47300747	+	1.83E-19	3.8867E-18	0.262618	hyper	sig	chr10_47300747
chr12	57478664	57478664	+	1.831E-19	3.8886E-18	-0.2719	hypo	sig	chr12_57478664
chr6	80070540	80070540	+	1.832E-19	3.89E-18	-0.30989	hypo	sig	chr6_80070540
chr20	63493594	63493594	+	1.833E-19	3.8915E-18	-0.36176	hypo	sig	chr20_63493594
chr2	1.3E+08	129979684	+	1.833E-19	3.8929E-18	0.200051	hyper	sig	chr2_129979684
chr16	85282558	85282558	+	1.833E-19	3.893E-18	-0.3455	hypo	sig	chr16_85282558
chr20	21515561	21515561	+	1.835E-19	3.8962E-18	0.331494	hyper	sig	chr20_21515561
chr16	3305054	3305054	+	1.837E-19	3.8994E-18	0.377694	hyper	sig	chr16_3305054
chr5	1.71E+08	171310251	+	1.837E-19	3.9001E-18	0.203503	hyper	sig	chr5_171310251
chr2	1.2E+08	120346569	+	1.837E-19	3.9002E-18	0.255672	hyper	sig	chr2_120346569
chr1	43435925	43435925	+	1.839E-19	3.9052E-18	0.317569	hyper	sig	chr1_43435925
chr1	3067989	3067989	+	1.841E-19	3.9075E-18	0.20812	hyper	sig	chr1_3067989
chr13	1.13E+08	113405924	+	1.841E-19	3.9091E-18	-0.36098	hypo	sig	chr13_113405924
chr19	35307043	35307043	+	1.844E-19	3.9145E-18	-0.30399	hypo	sig	chr19_35307043
chr1	1.62E+08	161978301	+	1.845E-19	3.9167E-18	-0.28705	hypo	sig	chr1_161978301
chr14	1.04E+08	103650438	+	1.845E-19	3.9167E-18	0.310717	hyper	sig	chr14_103650438
chr12	3493196	3493196	+	1.848E-19	3.923E-18	0.270974	hyper	sig	chr12_3493196
chr1	2876139	2876139	+	1.851E-19	3.9281E-18	0.23197	hyper	sig	chr1_2876139
chr3	62369765	62369765	+	1.852E-19	3.9308E-18	0.36259	hyper	sig	chr3_62369765
chr2	1.2E+08	120349893	+	1.853E-19	3.9325E-18	-0.31558	hypo	sig	chr2_120349893
chr8	1.08E+08	108082628	+	1.854E-19	3.9347E-18	0.381682	hyper	sig	chr8_108082628
chr19	15457784	15457784	+	1.855E-19	3.9369E-18	0.297641	hyper	sig	chr19_15457784
chr8	85467503	85467503	+	1.856E-19	3.9379E-18	-0.24544	hypo	sig	chr8_85467503
chr12	53999634	53999634	+	1.858E-19	3.943E-18	0.240229	hyper	sig	chr12_53999634

chr16	15434213	15434213	+	1.86E-19	3.9476E-18	0.334478	hyper	sig	chr16_15434213
chr1	7348813	7348813	+	1.861E-19	3.9498E-18	-0.24918	hypo	sig	chr1_7348813
chr14	99659615	99659615	+	1.863E-19	3.952E-18	0.339462	hyper	sig	chr14_99659615
chr22	50000083	50000083	+	1.863E-19	3.952E-18	0.303959	hyper	sig	chr22_50000083
chr2	70904479	70904479	+	1.863E-19	3.9525E-18	0.310535	hyper	sig	chr2_70904479
chr7	8441794	8441794	+	1.866E-19	3.9587E-18	0.372199	hyper	sig	chr7_8441794
chr14	73713250	73713250	+	1.866E-19	3.9591E-18	0.298883	hyper	sig	chr14_73713250
chr14	36659588	36659588	+	1.866E-19	3.9594E-18	0.282965	hyper	sig	chr14_36659588
chr2	71453443	71453443	+	1.867E-19	3.9617E-18	0.330178	hyper	sig	chr2_71453443
chr12	74403095	74403095	+	1.868E-19	3.9617E-18	-0.2803	hypo	sig	chr12_74403095
chr1	2.27E+08	226737052	+	1.868E-19	3.9629E-18	0.327029	hyper	sig	chr1_226737052
chr2	2.08E+08	208124622	+	1.871E-19	3.9691E-18	0.275419	hyper	sig	chr2_208124622
chr10	1.33E+08	132817206	+	1.871E-19	3.9695E-18	-0.31847	hypo	sig	chr10_132817206
chr5	50969902	50969902	+	1.873E-19	3.9732E-18	0.265777	hyper	sig	chr5_50969902
chr19	38303891	38303891	+	1.877E-19	3.9811E-18	-0.34283	hypo	sig	chr19_38303891
chr2	73983727	73983727	+	1.878E-19	3.9833E-18	-0.26131	hypo	sig	chr2_73983727
chr6	1.66E+08	165792233	+	1.885E-19	3.9983E-18	-0.33037	hypo	sig	chr6_165792233
chr8	1.45E+08	144713286	+	1.885E-19	3.999E-18	0.372375	hyper	sig	chr8_144713286
chr7	1.58E+08	157663258	+	1.886E-19	3.9991E-18	0.23435	hyper	sig	chr7_157663258
chr3	1.95E+08	194687401	+	1.886E-19	4.0003E-18	0.215933	hyper	sig	chr3_194687401
chr3	1.88E+08	187670479	+	1.887E-19	4.0017E-18	0.285307	hyper	sig	chr3_187670479
chr20	24469124	24469124	+	1.894E-19	4.0159E-18	0.251457	hyper	sig	chr20_24469124
chr11	31814059	31814059	+	1.897E-19	4.0231E-18	0.24379	hyper	sig	chr11_31814059
chr12	1.14E+08	114404934	+	1.901E-19	4.0314E-18	0.309511	hyper	sig	chr12_114404934
chr1	27403681	27403681	+	1.902E-19	4.0337E-18	0.272139	hyper	sig	chr1_27403681
chr17	49964552	49964552	+	1.906E-19	4.0425E-18	0.354195	hyper	sig	chr17_49964552
chr7	1.55E+08	155374857	+	1.908E-19	4.0455E-18	0.214223	hyper	sig	chr7_155374857
chr2	2.32E+08	232486365	+	1.908E-19	4.0455E-18	0.238631	hyper	sig	chr2_232486365
chr1	1.8E+08	179743128	+	1.908E-19	4.0459E-18	0.224803	hyper	sig	chr1_179743128
chr17	82324690	82324690	+	1.909E-19	4.0479E-18	-0.26472	hypo	sig	chr17_82324690
chr10	1.33E+08	133309598	+	1.909E-19	4.048E-18	-0.25316	hypo	sig	chr10_133309598
chr1	50425572	50425572	+	1.91E-19	4.0482E-18	0.334134	hyper	sig	chr1_50425572
chr11	20160661	20160661	+	1.913E-19	4.0565E-18	0.291381	hyper	sig	chr11_20160661
chr4	89837654	89837654	+	1.915E-19	4.0596E-18	0.223927	hyper	sig	chr4_89837654
chr10	1.19E+08	118595169	+	1.916E-19	4.0616E-18	0.307169	hyper	sig	chr10_118595169
chr11	31814061	31814061	+	1.916E-19	4.0617E-18	0.244001	hyper	sig	chr11_31814061
chr7	5479291	5479291	+	1.916E-19	4.0623E-18	0.316503	hyper	sig	chr7_5479291
chr16	3065822	3065822	+	1.917E-19	4.0639E-18	-0.23404	hypo	sig	chr16_3065822
chr19	2513473	2513473	+	1.919E-19	4.0667E-18	-0.27821	hypo	sig	chr19_2513473
chr13	78607148	78607148	+	1.919E-19	4.0677E-18	0.297678	hyper	sig	chr13_78607148
chr6	1.69E+08	169169589	+	1.921E-19	4.0721E-18	-0.28009	hypo	sig	chr6_169169589
chr6	1.44E+08	144065285	+	1.921E-19	4.0721E-18	-0.2433	hypo	sig	chr6_144065285
chr7	1.59E+08	158993040	+	1.922E-19	4.0736E-18	0.327502	hyper	sig	chr7_158993040
chr20	58514976	58514976	+	1.924E-19	4.0769E-18	0.391337	hyper	sig	chr20_58514976
chr10	49679541	49679541	+	1.925E-19	4.0796E-18	0.248553	hyper	sig	chr10_49679541
chr16	15434225	15434225	+	1.925E-19	4.0805E-18	0.319096	hyper	sig	chr16_15434225
chr7	27141911	27141911	+	1.926E-19	4.0806E-18	0.276943	hyper	sig	chr7_27141911
chr6	1.37E+08	137045209	+	1.926E-19	4.0811E-18	-0.25104	hypo	sig	chr6_137045209
chr10	69270123	69270123	+	1.926E-19	4.0815E-18	0.330873	hyper	sig	chr10_69270123
chr2	11825072	11825072	+	1.928E-19	4.085E-18	0.201687	hyper	sig	chr2_11825072
chr2	9820586	9820586	+	1.928E-19	4.0852E-18	-0.32258	hypo	sig	chr2_9820586
chr8	22579680	22579680	+	1.928E-19	4.0863E-18	-0.21378	hypo	sig	chr8_22579680
chr8	52587036	52587036	+	1.93E-19	4.0885E-18	0.282752	hyper	sig	chr8_52587036
chr17	78926056	78926056	+	1.933E-19	4.0953E-18	0.250395	hyper	sig	chr17_78926056
chr1	1.1E+08	110151379	+	1.934E-19	4.0968E-18	0.264154	hyper	sig	chr1_110151379
chr12	53938242	53938242	+	1.934E-19	4.0968E-18	0.269071	hyper	sig	chr12_53938242

chr20	4815530	4815530	+	1.934E-19	4.0971E-18	-0.26424	hypo	sig	chr20_4815530
chr5	1.41E+08	141420988	+	1.934E-19	4.0982E-18	0.222447	hyper	sig	chr5_141420988
chr1	1.97E+08	196933924	+	1.94E-19	4.1099E-18	-0.31939	hypo	sig	chr1_196933924
chr16	48959257	48959257	+	1.941E-19	4.1111E-18	-0.27996	hypo	sig	chr16_48959257
chr4	1405347	1405347	+	1.942E-19	4.1145E-18	0.315887	hyper	sig	chr4_1405347
chr10	1.23E+08	123142883	+	1.943E-19	4.1157E-18	0.285704	hyper	sig	chr10_123142883
chr9	98709869	98709869	+	1.944E-19	4.1169E-18	0.321282	hyper	sig	chr9_98709869
chr1	2415595	2415595	+	1.946E-19	4.123E-18	-0.26847	hypo	sig	chr1_2415595
chr12	1.25E+08	124607760	+	1.947E-19	4.1251E-18	-0.32154	hypo	sig	chr12_124607760
chr7	1.55E+08	155402405	+	1.948E-19	4.1256E-18	-0.25596	hypo	sig	chr7_155402405
chr5	1.76E+08	176365146	+	1.948E-19	4.1259E-18	0.215134	hyper	sig	chr5_176365146
chr9	1.37E+08	136846417	+	1.95E-19	4.1301E-18	0.340174	hyper	sig	chr9_136846417
chr7	1226027	1226027	+	1.95E-19	4.1308E-18	0.302215	hyper	sig	chr7_1226027
chr20	63533807	63533807	+	1.951E-19	4.1322E-18	0.247554	hyper	sig	chr20_63533807
chr5	1.79E+08	178526741	+	1.951E-19	4.1324E-18	-0.29023	hypo	sig	chr5_178526741
chr2	1.2E+08	120346566	+	1.953E-19	4.1355E-18	0.240558	hyper	sig	chr2_120346566
chr20	21521061	21521061	+	1.953E-19	4.1358E-18	0.336765	hyper	sig	chr20_21521061
chr5	1.8E+08	180328524	+	1.956E-19	4.1419E-18	-0.29659	hypo	sig	chr5_180328524
chr10	1.01E+08	101228206	+	1.956E-19	4.1424E-18	0.246922	hyper	sig	chr10_101228206
chr15	90212904	90212904	+	1.957E-19	4.1433E-18	-0.2674	hypo	sig	chr15_90212904
chr1	1.57E+08	156647000	+	1.957E-19	4.1441E-18	0.313106	hyper	sig	chr1_156647000
chr3	37994369	37994369	+	1.959E-19	4.1481E-18	0.266413	hyper	sig	chr3_37994369
chr6	72623243	72623243	+	1.959E-19	4.1481E-18	0.286457	hyper	sig	chr6_72623243
chr10	1.01E+08	101237602	+	1.959E-19	4.1488E-18	0.270887	hyper	sig	chr10_101237602
chr6	30685975	30685975	+	1.96E-19	4.1489E-18	0.268024	hyper	sig	chr6_30685975
chr1	38578494	38578494	+	1.961E-19	4.1523E-18	0.255217	hyper	sig	chr1_38578494
chr14	34540646	34540646	+	1.961E-19	4.1523E-18	-0.30354	hypo	sig	chr14_34540646
chr7	1.29E+08	128783257	+	1.964E-19	4.1571E-18	0.328272	hyper	sig	chr7_128783257
chr9	3181014	3181014	+	1.964E-19	4.1577E-18	0.270644	hyper	sig	chr9_3181014
chr19	58034973	58034973	+	1.966E-19	4.1611E-18	0.351039	hyper	sig	chr19_58034973
chr2	1.53E+08	153478112	+	1.966E-19	4.1612E-18	0.261335	hyper	sig	chr2_153478112
chr5	1.16E+08	115963349	+	1.966E-19	4.1613E-18	0.37665	hyper	sig	chr5_115963349
chr7	4960588	4960588	+	1.967E-19	4.1638E-18	-0.3003	hypo	sig	chr7_4960588
chr2	1.39E+08	138779559	+	1.967E-19	4.164E-18	0.292056	hyper	sig	chr2_138779559
chr12	1.13E+08	113463828	+	1.969E-19	4.1671E-18	0.317399	hyper	sig	chr12_113463828
chr14	1.06E+08	105624884	+	1.971E-19	4.172E-18	-0.28615	hypo	sig	chr14_105624884
chr3	49422476	49422476	+	1.972E-19	4.1745E-18	0.26928	hyper	sig	chr3_49422476
chr1	10672723	10672723	+	1.973E-19	4.1756E-18	0.260422	hyper	sig	chr1_10672723
chr6	1635666	1635666	+	1.974E-19	4.1777E-18	0.270211	hyper	sig	chr6_1635666
chr13	1.11E+08	110521011	+	1.974E-19	4.1783E-18	-0.22152	hypo	sig	chr13_110521011
chr5	1.35E+08	135490101	+	1.975E-19	4.1787E-18	0.271228	hyper	sig	chr5_135490101
chr7	1645081	1645081	+	1.975E-19	4.1791E-18	-0.29889	hypo	sig	chr7_1645081
chr1	3437848	3437848	+	1.976E-19	4.1816E-18	-0.26815	hypo	sig	chr1_3437848
chr13	99971888	99971888	+	1.979E-19	4.1867E-18	0.284821	hyper	sig	chr13_99971888
chr2	2.39E+08	239275517	+	1.979E-19	4.1884E-18	-0.33356	hypo	sig	chr2_239275517
chr3	1.47E+08	147410903	+	1.981E-19	4.192E-18	0.239765	hyper	sig	chr3_147410903
chr5	1.41E+08	141403145	+	1.982E-19	4.1933E-18	0.291364	hyper	sig	chr5_141403145
chr2	27265467	27265467	+	1.984E-19	4.1973E-18	0.255564	hyper	sig	chr2_27265467
chr14	1.03E+08	103221018	+	1.984E-19	4.1974E-18	0.210611	hyper	sig	chr14_103221018
chr11	65590607	65590607	+	1.986E-19	4.2013E-18	0.264053	hyper	sig	chr11_65590607
chr1	20707268	20707268	+	1.986E-19	4.2016E-18	-0.25303	hypo	sig	chr1_20707268
chr4	1.33E+08	133149234	+	1.987E-19	4.2026E-18	0.264755	hyper	sig	chr4_133149234
chr19	3785890	3785890	+	1.987E-19	4.2029E-18	0.2931	hyper	sig	chr19_3785890
chr19	3801696	3801696	+	1.989E-19	4.2067E-18	0.23879	hyper	sig	chr19_3801696
chr3	1.27E+08	127337148	+	1.992E-19	4.214E-18	-0.25358	hypo	sig	chr3_127337148
chr2	2.41E+08	240921578	+	1.994E-19	4.2171E-18	-0.27657	hypo	sig	chr2_240921578

chr16	54938166	54938166	+	1.994E-19	4.2178E-18	0.269858	hyper	sig	chr16_54938166
chr6	1.62E+08	161650108	+	2.001E-19	4.2325E-18	-0.2759	hypo	sig	chr6_161650108
chr16	35211414	35211414	+	2.002E-19	4.2348E-18	-0.27661	hypo	sig	chr16_35211414
chr7	25859662	25859662	+	2.002E-19	4.2348E-18	-0.33614	hypo	sig	chr7_25859662
chr12	1.24E+08	124426770	+	2.005E-19	4.2396E-18	0.237231	hyper	sig	chr12_124426770
chr21	36710860	36710860	+	2.006E-19	4.2431E-18	0.307431	hyper	sig	chr21_36710860
chr19	9932665	9932665	+	2.007E-19	4.2447E-18	-0.39484	hypo	sig	chr19_9932665
chr13	26760213	26760213	+	2.007E-19	4.245E-18	0.23374	hyper	sig	chr13_26760213
chr5	1.29E+08	128537619	+	2.007E-19	4.2453E-18	0.256779	hyper	sig	chr5_128537619
chr6	30136663	30136663	+	2.009E-19	4.2473E-18	-0.25551	hypo	sig	chr6_30136663
chr7	49775044	49775044	+	2.011E-19	4.2521E-18	0.204927	hyper	sig	chr7_49775044
chr5	1.77E+08	177400234	+	2.011E-19	4.2533E-18	0.320972	hyper	sig	chr5_177400234
chr7	19144009	19144009	+	2.011E-19	4.2533E-18	0.262945	hyper	sig	chr7_19144009
chr20	63775444	63775444	+	2.012E-19	4.2537E-18	0.380141	hyper	sig	chr20_63775444
chr21	42838106	42838106	+	2.012E-19	4.2541E-18	0.271841	hyper	sig	chr21_42838106
chr7	37448895	37448895	+	2.012E-19	4.2546E-18	0.246117	hyper	sig	chr7_37448895
chr1	11312081	11312081	+	2.013E-19	4.2557E-18	-0.26002	hypo	sig	chr1_11312081
chr10	1.18E+08	117545476	+	2.015E-19	4.2612E-18	0.23395	hyper	sig	chr10_117545476
chr16	10578051	10578051	+	2.016E-19	4.2619E-18	0.356656	hyper	sig	chr16_10578051
chr19	58155507	58155507	+	2.02E-19	4.2707E-18	0.213146	hyper	sig	chr19_58155507
chr19	3025364	3025364	+	2.021E-19	4.2731E-18	-0.272	hypo	sig	chr19_3025364
chr5	1.46E+08	146334272	+	2.025E-19	4.2812E-18	0.300932	hyper	sig	chr5_146334272
chr10	12825761	12825761	+	2.026E-19	4.2832E-18	0.369307	hyper	sig	chr10_12825761
chr14	56810648	56810648	+	2.027E-19	4.2847E-18	0.306801	hyper	sig	chr14_56810648
chr17	81941421	81941421	+	2.027E-19	4.2851E-18	-0.32632	hypo	sig	chr17_81941421
chr11	71589724	71589724	+	2.028E-19	4.2866E-18	-0.31042	hypo	sig	chr11_71589724
chr1	2.36E+08	235642460	+	2.028E-19	4.287E-18	-0.27918	hypo	sig	chr1_235642460
chr17	76537234	76537234	+	2.028E-19	4.2872E-18	0.337858	hyper	sig	chr17_76537234
chr10	1.33E+08	133220003	+	2.03E-19	4.2899E-18	0.329448	hyper	sig	chr10_133220003
chr20	63044219	63044219	+	2.03E-19	4.291E-18	-0.36214	hypo	sig	chr20_63044219
chr2	19357407	19357407	+	2.031E-19	4.2915E-18	0.327312	hyper	sig	chr2_19357407
chr10	1.16E+08	116272093	+	2.031E-19	4.293E-18	0.245954	hyper	sig	chr10_116272093
chr11	1924377	1924377	+	2.032E-19	4.2941E-18	-0.29495	hypo	sig	chr11_1924377
chr4	10461966	10461966	+	2.034E-19	4.2976E-18	0.274999	hyper	sig	chr4_10461966
chr10	1.3E+08	129969768	+	2.034E-19	4.2991E-18	0.237049	hyper	sig	chr10_129969768
chr11	1.3E+08	129743891	+	2.035E-19	4.3001E-18	-0.36282	hypo	sig	chr11_129743891
chr17	8347305	8347305	+	2.036E-19	4.3014E-18	0.27952	hyper	sig	chr17_8347305
chr4	1.07E+08	107036237	+	2.036E-19	4.3014E-18	0.227055	hyper	sig	chr4_107036237
chr3	1.97E+08	196948662	+	2.037E-19	4.3042E-18	0.325909	hyper	sig	chr3_196948662
chr5	88678187	88678187	+	2.038E-19	4.3053E-18	0.321243	hyper	sig	chr5_88678187
chr6	1.66E+08	165988608	+	2.038E-19	4.3056E-18	0.286143	hyper	sig	chr6_165988608
chr5	1.67E+08	167355266	+	2.039E-19	4.3072E-18	-0.2681	hypo	sig	chr5_167355266
chr12	1.23E+08	122868133	+	2.039E-19	4.3087E-18	0.203506	hyper	sig	chr12_122868133
chr1	1.44E+08	143652978	+	2.041E-19	4.3114E-18	0.324747	hyper	sig	chr1_143652978
chr10	1.32E+08	132066251	+	2.041E-19	4.3127E-18	0.286577	hyper	sig	chr10_132066251
chr19	1908243	1908243	+	2.043E-19	4.3157E-18	-0.30171	hypo	sig	chr19_1908243
chr5	1.79E+08	179185522	+	2.045E-19	4.3189E-18	-0.33416	hypo	sig	chr5_179185522
chr8	41897346	41897346	+	2.047E-19	4.3244E-18	0.203425	hyper	sig	chr8_41897346
chr5	19988253	19988253	+	2.047E-19	4.3244E-18	0.235701	hyper	sig	chr5_19988253
chr1	1.48E+08	148310103	+	2.049E-19	4.3268E-18	0.339049	hyper	sig	chr1_148310103
chr22	50548795	50548795	+	2.049E-19	4.3268E-18	0.2086	hyper	sig	chr22_50548795
chr18	57441114	57441114	+	2.049E-19	4.3286E-18	0.214196	hyper	sig	chr18_57441114
chr3	14811398	14811398	+	2.05E-19	4.3306E-18	0.318458	hyper	sig	chr3_14811398
chr13	1.14E+08	114140144	+	2.051E-19	4.3315E-18	-0.29699	hypo	sig	chr13_114140144
chr3	1.27E+08	126850756	+	2.052E-19	4.3337E-18	0.282485	hyper	sig	chr3_126850756
chr11	65833294	65833294	+	2.053E-19	4.336E-18	0.333859	hyper	sig	chr11_65833294

chr4	1.83E+08	182767365	+	2.054E-19	4.3383E-18	-0.29377	hypo	sig	chr4_182767365
chr11	15938058	15938058	+	2.055E-19	4.339E-18	0.270029	hyper	sig	chr11_15938058
chr17	21397376	21397376	+	2.055E-19	4.3393E-18	0.363886	hyper	sig	chr17_21397376
chr16	55328866	55328866	+	2.056E-19	4.3406E-18	0.332769	hyper	sig	chr16_55328866
chr8	1.19E+08	119209557	+	2.056E-19	4.3421E-18	-0.25607	hypo	sig	chr8_119209557
chr15	96366627	96366627	+	2.057E-19	4.3425E-18	0.278682	hyper	sig	chr15_96366627
chr2	71560697	71560697	+	2.061E-19	4.3505E-18	0.278624	hyper	sig	chr2_71560697
chr8	1.44E+08	144074319	+	2.062E-19	4.3542E-18	-0.37115	hypo	sig	chr8_144074319
chr1	50427554	50427554	+	2.063E-19	4.3556E-18	0.209276	hyper	sig	chr1_50427554
chr19	698326	698326	+	2.07E-19	4.3711E-18	-0.37013	hypo	sig	chr19_698326
chr5	44389304	44389304	+	2.07E-19	4.3711E-18	0.3389	hyper	sig	chr5_44389304
chr17	82066324	82066324	+	2.071E-19	4.3711E-18	-0.24142	hypo	sig	chr17_82066324
chr6	32842774	32842774	+	2.072E-19	4.3742E-18	-0.27572	hypo	sig	chr6_32842774
chr4	84501967	84501967	+	2.074E-19	4.378E-18	0.241206	hyper	sig	chr4_84501967
chr8	41876137	41876137	+	2.076E-19	4.3812E-18	0.24229	hyper	sig	chr8_41876137
chr11	1.34E+08	134155605	+	2.076E-19	4.383E-18	0.244149	hyper	sig	chr11_134155605
chr2	1E+08	100391709	+	2.078E-19	4.3868E-18	-0.31034	hypo	sig	chr2_100391709
chr8	90791497	90791497	+	2.078E-19	4.3869E-18	0.407902	hyper	sig	chr8_90791497
chr19	3586915	3586915	+	2.08E-19	4.3904E-18	0.245639	hyper	sig	chr19_3586915
chr10	1.29E+08	128541047	+	2.082E-19	4.3948E-18	0.282088	hyper	sig	chr10_128541047
chr5	10149864	10149864	+	2.082E-19	4.3948E-18	-0.22277	hypo	sig	chr5_10149864
chr11	65593001	65593001	+	2.084E-19	4.3987E-18	0.238964	hyper	sig	chr11_65593001
chr2	2.19E+08	218962113	+	2.087E-19	4.4033E-18	0.261323	hyper	sig	chr2_218962113
chr5	33938093	33938093	+	2.087E-19	4.4033E-18	0.363732	hyper	sig	chr5_33938093
chr2	1.05E+08	104844947	+	2.09E-19	4.4103E-18	0.298399	hyper	sig	chr2_104844947
chr11	1.34E+08	134416078	+	2.09E-19	4.4104E-18	-0.27238	hypo	sig	chr11_134416078
chr2	2.22E+08	222295165	+	2.091E-19	4.4118E-18	0.402858	hyper	sig	chr2_222295165
chr1	57424886	57424886	+	2.095E-19	4.4193E-18	0.265184	hyper	sig	chr1_57424886
chr10	55628667	55628667	+	2.096E-19	4.4225E-18	0.261759	hyper	sig	chr10_55628667
chr19	43362346	43362346	+	2.097E-19	4.4247E-18	0.340377	hyper	sig	chr19_43362346
chr13	1.08E+08	108214702	+	2.099E-19	4.4283E-18	0.251249	hyper	sig	chr13_108214702
chr11	31824967	31824967	+	2.1E-19	4.4294E-18	0.296114	hyper	sig	chr11_31824967
chr19	51949067	51949067	+	2.101E-19	4.4317E-18	0.267431	hyper	sig	chr19_51949067
chr5	1.69E+08	168529840	+	2.101E-19	4.4324E-18	0.296346	hyper	sig	chr5_168529840
chr2	1.72E+08	172108497	+	2.101E-19	4.4324E-18	0.270279	hyper	sig	chr2_172108497
chr14	99792771	99792771	+	2.102E-19	4.4337E-18	0.270058	hyper	sig	chr14_99792771
chr6	3777771	3777771	+	2.105E-19	4.4397E-18	-0.35426	hypo	sig	chr6_3777771
chr1	92029341	92029341	+	2.107E-19	4.4437E-18	-0.23553	hypo	sig	chr1_92029341
chr12	1.11E+08	111033459	+	2.109E-19	4.4479E-18	0.315146	hyper	sig	chr12_111033459
chr12	1.33E+08	132908037	+	2.109E-19	4.4492E-18	0.268968	hyper	sig	chr12_132908037
chr19	43756385	43756385	+	2.112E-19	4.4546E-18	-0.28897	hypo	sig	chr19_43756385
chr6	1.5E+08	150037751	+	2.114E-19	4.4576E-18	0.253556	hyper	sig	chr6_150037751
chr1	27659476	27659476	+	2.119E-19	4.4693E-18	-0.25701	hypo	sig	chr1_27659476
chr11	74418124	74418124	+	2.12E-19	4.4714E-18	-0.24303	hypo	sig	chr11_74418124
chr10	70552126	70552126	+	2.12E-19	4.4718E-18	0.329293	hyper	sig	chr10_70552126
chr7	27129418	27129418	+	2.121E-19	4.4731E-18	0.212665	hyper	sig	chr7_27129418
chr7	1.22E+08	122310283	+	2.124E-19	4.4801E-18	0.250097	hyper	sig	chr7_122310283
chr2	2.32E+08	232458987	+	2.126E-19	4.4835E-18	0.301927	hyper	sig	chr2_232458987
chr19	57363927	57363927	+	2.127E-19	4.4858E-18	0.218801	hyper	sig	chr19_57363927
chr6	30127322	30127322	+	2.128E-19	4.4862E-18	0.29212	hyper	sig	chr6_30127322
chr5	79690026	79690026	+	2.128E-19	4.4879E-18	0.435662	hyper	sig	chr5_79690026
chr13	1.12E+08	112057684	+	2.129E-19	4.4887E-18	0.309827	hyper	sig	chr13_112057684
chr14	1.04E+08	104357683	+	2.131E-19	4.4926E-18	-0.34623	hypo	sig	chr14_104357683
chr7	31061904	31061904	+	2.133E-19	4.4966E-18	-0.31441	hypo	sig	chr7_31061904
chr1	1.07E+08	107140339	+	2.133E-19	4.4968E-18	0.219118	hyper	sig	chr1_107140339
chr4	1.09E+08	109302273	+	2.133E-19	4.4968E-18	0.272758	hyper	sig	chr4_109302273

chr12	1.33E+08	132888335	+	2.134E-19	4.4987E-18	0.320134	hyper	sig	chr12_132888335
chr5	1.41E+08	141101978	+	2.135E-19	4.4998E-18	0.295555	hyper	sig	chr5_141101978
chr7	71133346	71133346	+	2.135E-19	4.5006E-18	0.335503	hyper	sig	chr7_71133346
chr2	68319897	68319897	+	2.137E-19	4.5049E-18	0.333626	hyper	sig	chr2_68319897
chr10	1.31E+08	131088574	+	2.137E-19	4.505E-18	-0.33223	hypo	sig	chr10_131088574
chr1	1.47E+08	147072707	+	2.138E-19	4.507E-18	0.26277	hyper	sig	chr1_147072707
chr2	88067841	88067841	+	2.141E-19	4.512E-18	0.205208	hyper	sig	chr2_88067841
chr7	1.02E+08	102045465	+	2.141E-19	4.5123E-18	0.32059	hyper	sig	chr7_102045465
chr17	50469259	50469259	+	2.142E-19	4.5149E-18	0.242891	hyper	sig	chr17_50469259
chr7	21547359	21547359	+	2.144E-19	4.5197E-18	-0.25639	hypo	sig	chr7_21547359
chr6	32052700	32052700	+	2.145E-19	4.5203E-18	-0.21742	hypo	sig	chr6_32052700
chr7	1.5E+08	150221158	+	2.145E-19	4.5215E-18	0.255529	hyper	sig	chr7_150221158
chr5	45696514	45696514	+	2.146E-19	4.5223E-18	0.315004	hyper	sig	chr5_45696514
chr13	1.11E+08	111402613	+	2.146E-19	4.5232E-18	-0.24638	hypo	sig	chr13_111402613
chr3	1.94E+08	194376555	+	2.146E-19	4.5233E-18	-0.28542	hypo	sig	chr3_194376555
chr6	27050285	27050285	+	2.15E-19	4.5309E-18	0.267422	hyper	sig	chr6_27050285
chr16	980508	980508	+	2.151E-19	4.5325E-18	0.200552	hyper	sig	chr16_980508
chr10	81875534	81875534	+	2.153E-19	4.5356E-18	0.222551	hyper	sig	chr10_81875534
chr4	1.74E+08	173528815	+	2.153E-19	4.5363E-18	0.290252	hyper	sig	chr4_173528815
chr12	1.2E+08	120195294	+	2.155E-19	4.5405E-18	-0.24156	hypo	sig	chr12_120195294
chr19	43699433	43699433	+	2.156E-19	4.5422E-18	0.263243	hyper	sig	chr19_43699433
chr10	68957544	68957544	+	2.156E-19	4.5427E-18	-0.27994	hypo	sig	chr10_68957544
chr5	1886785	1886785	+	2.158E-19	4.5456E-18	0.349336	hyper	sig	chr5_1886785
chr1	1.47E+08	147072576	+	2.161E-19	4.5532E-18	0.244327	hyper	sig	chr1_147072576
chr1	1165033	1165033	+	2.162E-19	4.5551E-18	-0.23556	hypo	sig	chr1_1165033
chr5	1.41E+08	141392982	+	2.164E-19	4.5592E-18	0.234638	hyper	sig	chr5_141392982
chr8	1.43E+08	142682027	+	2.166E-19	4.5638E-18	-0.25761	hypo	sig	chr8_142682027
chr4	1.54E+08	153789627	+	2.17E-19	4.5713E-18	0.338061	hyper	sig	chr4_153789627
chr4	1.09E+08	109302625	+	2.17E-19	4.5718E-18	0.261323	hyper	sig	chr4_109302625
chr15	25230958	25230958	+	2.17E-19	4.572E-18	-0.28181	hypo	sig	chr15_25230958
chr20	20713493	20713493	+	2.171E-19	4.5737E-18	-0.27682	hypo	sig	chr20_20713493
chr3	1.2E+08	120285572	+	2.172E-19	4.5745E-18	0.341931	hyper	sig	chr3_120285572
chr16	761100	761100	+	2.174E-19	4.5786E-18	-0.31889	hypo	sig	chr16_761100
chr7	4882515	4882515	+	2.175E-19	4.5809E-18	0.217232	hyper	sig	chr7_4882515
chr12	81758459	81758459	+	2.177E-19	4.5848E-18	0.292545	hyper	sig	chr12_81758459
chr16	4263448	4263448	+	2.177E-19	4.5859E-18	0.251569	hyper	sig	chr16_4263448
chr5	37835816	37835816	+	2.18E-19	4.5907E-18	0.264377	hyper	sig	chr5_37835816
chr2	11785155	11785155	+	2.18E-19	4.592E-18	0.243961	hyper	sig	chr2_11785155
chr12	4809796	4809796	+	2.186E-19	4.6033E-18	0.254061	hyper	sig	chr12_4809796
chr1	1.19E+08	118987521	+	2.187E-19	4.605E-18	0.272058	hyper	sig	chr1_118987521
chr19	50728681	50728681	+	2.188E-19	4.6067E-18	0.362271	hyper	sig	chr19_50728681
chr16	2712612	2712612	+	2.189E-19	4.6096E-18	-0.32016	hypo	sig	chr16_2712612
chr5	1.29E+08	128965635	+	2.189E-19	4.6098E-18	0.281464	hyper	sig	chr5_128965635
chr1	2.01E+08	201378351	+	2.189E-19	4.6099E-18	-0.22444	hypo	sig	chr1_201378351
chr16	87600357	87600357	+	2.19E-19	4.6113E-18	-0.25868	hypo	sig	chr16_87600357
chr12	78865047	78865047	+	2.19E-19	4.6121E-18	0.252373	hyper	sig	chr12_78865047
chr10	1.05E+08	104639169	+	2.191E-19	4.6136E-18	0.369619	hyper	sig	chr10_104639169
chr18	34223494	34223494	+	2.192E-19	4.6151E-18	0.236655	hyper	sig	chr18_34223494
chr6	5999054	5999054	+	2.196E-19	4.6232E-18	0.308999	hyper	sig	chr6_5999054
chr12	1.31E+08	130954028	+	2.198E-19	4.628E-18	0.219972	hyper	sig	chr12_130954028
chr1	24322984	24322984	+	2.199E-19	4.6303E-18	-0.23496	hypo	sig	chr1_24322984
chr16	67165642	67165642	+	2.199E-19	4.6303E-18	0.351253	hyper	sig	chr16_67165642
chr16	89056125	89056125	+	2.2E-19	4.6304E-18	-0.23079	hypo	sig	chr16_89056125
chr14	28778168	28778168	+	2.201E-19	4.6328E-18	0.202028	hyper	sig	chr14_28778168
chr14	56817224	56817224	+	2.202E-19	4.6357E-18	0.392592	hyper	sig	chr14_56817224
chr21	33025450	33025450	+	2.202E-19	4.6357E-18	0.30992	hyper	sig	chr21_33025450

chr12	1.29E+08	128854273	+	2.204E-19	4.6402E-18	0.233299	hyper	sig	chr12_128854273
chr15	25860029	25860029	+	2.205E-19	4.6416E-18	0.296885	hyper	sig	chr15_25860029
chr17	79137999	79137999	+	2.206E-19	4.6439E-18	0.290134	hyper	sig	chr17_79137999
chr16	54936575	54936575	+	2.206E-19	4.644E-18	0.249719	hyper	sig	chr16_54936575
chr8	24914837	24914837	+	2.207E-19	4.6451E-18	0.242977	hyper	sig	chr8_24914837
chr1	1.19E+08	118988465	+	2.208E-19	4.6462E-18	0.315798	hyper	sig	chr1_118988465
chr17	4476282	4476282	+	2.209E-19	4.6487E-18	-0.26184	hypo	sig	chr17_4476282
chr9	97221207	97221207	+	2.209E-19	4.6499E-18	0.301618	hyper	sig	chr9_97221207
chr14	1.04E+08	104388637	+	2.211E-19	4.6537E-18	-0.34431	hypo	sig	chr14_104388637
chr20	3408841	3408841	+	2.212E-19	4.654E-18	0.230493	hyper	sig	chr20_3408841
chr11	3000978	3000978	+	2.212E-19	4.6555E-18	0.223405	hyper	sig	chr11_3000978
chr19	12514018	12514018	+	2.214E-19	4.6589E-18	0.25003	hyper	sig	chr19_12514018
chr11	30584618	30584618	+	2.214E-19	4.6597E-18	0.237817	hyper	sig	chr11_30584618
chr16	68642838	68642838	+	2.215E-19	4.6612E-18	0.328571	hyper	sig	chr16_68642838
chr21	25639815	25639815	+	2.215E-19	4.6616E-18	0.254317	hyper	sig	chr21_25639815
chr1	1.71E+08	170669776	+	2.217E-19	4.6642E-18	0.303087	hyper	sig	chr1_170669776
chr8	1.4E+08	139612488	+	2.218E-19	4.6658E-18	-0.3684	hypo	sig	chr8_139612488
chr11	364744	364744	+	2.218E-19	4.6661E-18	-0.26859	hypo	sig	chr11_364744
chr6	50836420	50836420	+	2.218E-19	4.6672E-18	0.230406	hyper	sig	chr6_50836420
chr10	510758	510758	+	2.219E-19	4.6678E-18	0.32008	hyper	sig	chr10_510758
chr13	45714389	45714389	+	2.22E-19	4.6702E-18	-0.26274	hypo	sig	chr13_45714389
chr14	92688021	92688021	+	2.221E-19	4.6723E-18	0.339977	hyper	sig	chr14_92688021
chr14	1.01E+08	100836170	+	2.221E-19	4.6725E-18	-0.34982	hypo	sig	chr14_100836170
chr7	97025474	97025474	+	2.221E-19	4.6728E-18	0.211379	hyper	sig	chr7_97025474
chr1	2.21E+08	220887533	+	2.222E-19	4.6735E-18	0.283104	hyper	sig	chr1_220887533
chr1	8875197	8875197	+	2.222E-19	4.6739E-18	-0.27936	hypo	sig	chr1_8875197
chr4	1.5E+08	150256848	+	2.226E-19	4.6815E-18	-0.30636	hypo	sig	chr4_150256848
chr19	43781822	43781822	+	2.228E-19	4.6868E-18	-0.21576	hypo	sig	chr19_43781822
chr10	1.32E+08	132141986	+	2.229E-19	4.6887E-18	-0.28263	hypo	sig	chr10_132141986
chr14	77026591	77026591	+	2.229E-19	4.6889E-18	0.281169	hyper	sig	chr14_77026591
chr16	88412907	88412907	+	2.23E-19	4.6905E-18	-0.26208	hypo	sig	chr16_88412907
chr13	1.13E+08	112637524	+	2.231E-19	4.6914E-18	0.3174	hyper	sig	chr13_112637524
chr21	20997645	20997645	+	2.231E-19	4.6918E-18	0.316063	hyper	sig	chr21_20997645
chr5	37836165	37836165	+	2.231E-19	4.6925E-18	0.277342	hyper	sig	chr5_37836165
chr17	62667331	62667331	+	2.231E-19	4.6926E-18	-0.33797	hypo	sig	chr17_62667331
chr2	20670477	20670477	+	2.232E-19	4.6936E-18	0.274134	hyper	sig	chr2_20670477
chr10	1.17E+08	117133029	+	2.234E-19	4.6985E-18	0.208809	hyper	sig	chr10_117133029
chr2	2.32E+08	232486383	+	2.237E-19	4.703E-18	0.250934	hyper	sig	chr2_232486383
chr2	96762208	96762208	+	2.24E-19	4.7106E-18	-0.25627	hypo	sig	chr2_96762208
chr6	1.67E+08	167421396	+	2.241E-19	4.7132E-18	-0.36964	hypo	sig	chr6_167421396
chr4	53347298	53347298	+	2.243E-19	4.7158E-18	0.345447	hyper	sig	chr4_53347298
chr2	1654461	1654461	+	2.244E-19	4.7172E-18	-0.31197	hypo	sig	chr2_1654461
chr20	38729382	38729382	+	2.244E-19	4.7183E-18	0.281283	hyper	sig	chr20_38729382
chr6	1.66E+08	165662040	+	2.246E-19	4.7217E-18	0.277804	hyper	sig	chr6_165662040
chr14	28777972	28777972	+	2.248E-19	4.7262E-18	0.252017	hyper	sig	chr14_28777972
chr19	33622549	33622549	+	2.248E-19	4.7265E-18	0.284972	hyper	sig	chr19_33622549
chr4	1.67E+08	167234086	+	2.248E-19	4.7269E-18	0.226984	hyper	sig	chr4_167234086
chr9	1.36E+08	135982147	+	2.249E-19	4.7283E-18	-0.31691	hypo	sig	chr9_135982147
chr22	50578737	50578737	+	2.252E-19	4.7347E-18	0.317522	hyper	sig	chr22_50578737
chr11	1926427	1926427	+	2.254E-19	4.7375E-18	-0.29254	hypo	sig	chr11_1926427
chr2	5693063	5693063	+	2.254E-19	4.7389E-18	0.332195	hyper	sig	chr2_5693063
chr14	37602082	37602082	+	2.255E-19	4.7394E-18	0.276131	hyper	sig	chr14_37602082
chr16	1010747	1010747	+	2.255E-19	4.7405E-18	0.250409	hyper	sig	chr16_1010747
chr1	50416286	50416286	+	2.256E-19	4.7417E-18	0.329473	hyper	sig	chr1_50416286
chr2	2.42E+08	241985876	+	2.256E-19	4.7422E-18	-0.34176	hypo	sig	chr2_241985876
chr10	86667643	86667643	+	2.256E-19	4.7426E-18	0.33331	hyper	sig	chr10_86667643

chr2	2.39E+08	238890935	+	2.257E-19	4.7437E-18	-0.27952	hypo	sig	chr2_238890935
chr16	708544	708544	+	2.257E-19	4.7441E-18	-0.31097	hypo	sig	chr16_708544
chr2	98370508	98370508	+	2.258E-19	4.7451E-18	-0.21831	hypo	sig	chr2_98370508
chr1	90719208	90719208	+	2.259E-19	4.7466E-18	0.288816	hyper	sig	chr1_90719208
chr14	36663441	36663441	+	2.26E-19	4.7501E-18	0.230714	hyper	sig	chr14_36663441
chr1	47445176	47445176	+	2.261E-19	4.7504E-18	0.203614	hyper	sig	chr1_47445176
chr1	2.29E+08	229270645	+	2.261E-19	4.7518E-18	-0.2822	hypo	sig	chr1_229270645
chr3	1.72E+08	172449913	+	2.262E-19	4.7523E-18	0.316315	hyper	sig	chr3_172449913
chr7	2440880	2440880	+	2.262E-19	4.7523E-18	-0.32361	hypo	sig	chr7_2440880
chr7	97024820	97024820	+	2.262E-19	4.7535E-18	0.223896	hyper	sig	chr7_97024820
chr16	1872383	1872383	+	2.263E-19	4.7543E-18	0.344839	hyper	sig	chr16_1872383
chr9	1.37E+08	136745873	+	2.263E-19	4.755E-18	-0.29582	hypo	sig	chr9_136745873
chr8	1.44E+08	144108186	+	2.265E-19	4.7592E-18	0.220796	hyper	sig	chr8_144108186
chr13	36432207	36432207	+	2.266E-19	4.7594E-18	0.233347	hyper	sig	chr13_36432207
chr19	44812464	44812464	+	2.266E-19	4.7611E-18	-0.32285	hypo	sig	chr19_44812464
chr13	83879750	83879750	+	2.267E-19	4.7617E-18	0.332361	hyper	sig	chr13_83879750
chr5	1.71E+08	171313931	+	2.267E-19	4.7618E-18	0.271024	hyper	sig	chr5_171313931
chr11	31825302	31825302	+	2.268E-19	4.7635E-18	0.294968	hyper	sig	chr11_31825302
chr21	45286813	45286813	+	2.269E-19	4.7662E-18	0.296645	hyper	sig	chr21_45286813
chr7	23490921	23490921	+	2.27E-19	4.7678E-18	0.244025	hyper	sig	chr7_23490921
chr7	1.58E+08	157522051	+	2.271E-19	4.7706E-18	-0.26513	hypo	sig	chr7_157522051
chr17	35794823	35794823	+	2.272E-19	4.7715E-18	0.223203	hyper	sig	chr17_35794823
chr2	1.05E+08	105399722	+	2.272E-19	4.7722E-18	-0.23573	hypo	sig	chr2_105399722
chr2	1.2E+08	120346546	+	2.273E-19	4.7735E-18	0.302996	hyper	sig	chr2_120346546
chr10	633400	633400	+	2.275E-19	4.7773E-18	0.2467	hyper	sig	chr10_633400
chr1	2.35E+08	234553819	+	2.279E-19	4.7865E-18	0.245272	hyper	sig	chr1_234553819
chr21	42668829	42668829	+	2.279E-19	4.7869E-18	0.275688	hyper	sig	chr21_42668829
chr17	45229435	45229435	+	2.285E-19	4.7978E-18	-0.23726	hypo	sig	chr17_45229435
chr20	62667346	62667346	+	2.285E-19	4.7981E-18	-0.30376	hypo	sig	chr20_62667346
chr10	1.33E+08	133170245	+	2.289E-19	4.8061E-18	-0.24448	hypo	sig	chr10_133170245
chr7	1.04E+08	103990591	+	2.29E-19	4.809E-18	0.226907	hyper	sig	chr7_103990591
chr2	74499810	74499810	+	2.293E-19	4.8141E-18	0.229053	hyper	sig	chr2_74499810
chr1	3460228	3460228	+	2.296E-19	4.82E-18	-0.27134	hypo	sig	chr1_3460228
chr7	44104824	44104824	+	2.296E-19	4.8211E-18	0.207239	hyper	sig	chr7_44104824
chr13	1.13E+08	112995199	+	2.296E-19	4.8213E-18	-0.28767	hypo	sig	chr13_112995199
chr19	33622492	33622492	+	2.299E-19	4.8263E-18	0.31065	hyper	sig	chr19_33622492
chr19	1775212	1775212	+	2.3E-19	4.8283E-18	0.274936	hyper	sig	chr19_1775212
chr5	1.17E+08	116576580	+	2.303E-19	4.8353E-18	0.226502	hyper	sig	chr5_116576580
chr3	1.61E+08	161105443	+	2.303E-19	4.8358E-18	0.210754	hyper	sig	chr3_161105443
chr9	1.31E+08	131028339	+	2.304E-19	4.8368E-18	-0.3178	hypo	sig	chr9_131028339
chr5	32712987	32712987	+	2.305E-19	4.8381E-18	0.285959	hyper	sig	chr5_32712987
chr15	98643680	98643680	+	2.307E-19	4.8422E-18	-0.26048	hypo	sig	chr15_98643680
chr13	99959118	99959118	+	2.308E-19	4.8446E-18	0.293655	hyper	sig	chr13_99959118
chr5	1.41E+08	141150791	+	2.309E-19	4.8467E-18	0.345315	hyper	sig	chr5_141150791
chr13	27976009	27976009	+	2.312E-19	4.8531E-18	0.305776	hyper	sig	chr13_27976009
chr9	98709639	98709639	+	2.312E-19	4.8531E-18	0.28035	hyper	sig	chr9_98709639
chr5	3599608	3599608	+	2.313E-19	4.8555E-18	0.332685	hyper	sig	chr5_3599608
chr7	1.56E+08	155804711	+	2.314E-19	4.856E-18	0.220928	hyper	sig	chr7_155804711
chr1	4656250	4656250	+	2.315E-19	4.8593E-18	0.261375	hyper	sig	chr1_4656250
chr2	1.19E+08	119159110	+	2.316E-19	4.861E-18	0.266692	hyper	sig	chr2_119159110
chr9	37027255	37027255	+	2.318E-19	4.8651E-18	0.356239	hyper	sig	chr9_37027255
chr6	16352499	16352499	+	2.319E-19	4.8658E-18	0.273854	hyper	sig	chr6_16352499
chr5	1.73E+08	173245744	+	2.319E-19	4.8667E-18	0.243279	hyper	sig	chr5_173245744
chr17	52159157	52159157	+	2.32E-19	4.8677E-18	0.277744	hyper	sig	chr17_52159157
chr1	15214793	15214793	+	2.32E-19	4.8688E-18	0.272911	hyper	sig	chr1_15214793
chr6	30451487	30451487	+	2.32E-19	4.8691E-18	0.334362	hyper	sig	chr6_30451487

chr19	22634640	22634640	+	2.32E-19	4.8692E-18	0.25281	hyper	sig	chr19_22634640
chr3	62374002	62374002	+	2.322E-19	4.8715E-18	0.206084	hyper	sig	chr3_62374002
chr1	1.53E+08	152776451	+	2.322E-19	4.8721E-18	-0.35798	hypo	sig	chr1_152776451
chr6	33117978	33117978	+	2.322E-19	4.8722E-18	0.256253	hyper	sig	chr6_33117978
chr4	89837651	89837651	+	2.323E-19	4.8731E-18	0.236024	hyper	sig	chr4_89837651
chr2	1.72E+08	172428677	+	2.324E-19	4.876E-18	-0.20375	hypo	sig	chr2_172428677
chr5	55223195	55223195	+	2.328E-19	4.8841E-18	0.314209	hyper	sig	chr5_55223195
chr19	48480405	48480405	+	2.329E-19	4.8863E-18	0.269742	hyper	sig	chr19_48480405
chr13	1.12E+08	111893216	+	2.329E-19	4.8864E-18	0.34207	hyper	sig	chr13_111893216
chr11	1481965	1481965	+	2.329E-19	4.8867E-18	0.236469	hyper	sig	chr11_1481965
chr14	1.02E+08	101781851	+	2.33E-19	4.8882E-18	0.339815	hyper	sig	chr14_101781851
chr13	78607950	78607950	+	2.33E-19	4.8883E-18	0.325799	hyper	sig	chr13_78607950
chr11	4212258	4212258	+	2.331E-19	4.8905E-18	0.310118	hyper	sig	chr11_4212258
chr14	36506201	36506201	+	2.331E-19	4.8905E-18	0.317825	hyper	sig	chr14_36506201
chr10	27745145	27745145	+	2.335E-19	4.8975E-18	0.316548	hyper	sig	chr10_27745145
chr1	3293806	3293806	+	2.336E-19	4.899E-18	-0.26697	hypo	sig	chr1_3293806
chr6	83853410	83853410	+	2.337E-19	4.9014E-18	0.248745	hyper	sig	chr6_83853410
chr17	80942603	80942603	+	2.337E-19	4.9024E-18	0.321975	hyper	sig	chr17_80942603
chr15	89408625	89408625	+	2.338E-19	4.9026E-18	0.260504	hyper	sig	chr15_89408625
chr11	15935967	15935967	+	2.341E-19	4.9093E-18	-0.27725	hypo	sig	chr11_15935967
chr1	53526952	53526952	+	2.342E-19	4.9112E-18	0.371797	hyper	sig	chr1_53526952
chr1	1.72E+08	171841201	+	2.346E-19	4.9193E-18	0.2037	hyper	sig	chr1_171841201
chr6	1.08E+08	108174451	+	2.347E-19	4.9213E-18	0.24307	hyper	sig	chr6_108174451
chr16	68642593	68642593	+	2.352E-19	4.9332E-18	0.301174	hyper	sig	chr16_68642593
chr16	84527159	84527159	+	2.353E-19	4.9351E-18	0.245489	hyper	sig	chr16_84527159
chr5	77851128	77851128	+	2.354E-19	4.9355E-18	0.360208	hyper	sig	chr5_77851128
chr5	1.41E+08	141234825	+	2.355E-19	4.9375E-18	0.264604	hyper	sig	chr5_141234825
chr3	1.33E+08	133038970	+	2.36E-19	4.9476E-18	0.267873	hyper	sig	chr3_133038970
chr2	1.15E+08	115162602	+	2.36E-19	4.9486E-18	0.324053	hyper	sig	chr2_115162602
chr19	48414918	48414918	+	2.36E-19	4.9488E-18	0.36285	hyper	sig	chr19_48414918
chr13	1.12E+08	112252499	+	2.362E-19	4.9514E-18	-0.2549	hypo	sig	chr13_112252499
chr9	1.37E+08	137085767	+	2.362E-19	4.9526E-18	-0.27576	hypo	sig	chr9_137085767
chr12	1.31E+08	131028777	+	2.363E-19	4.954E-18	-0.3209	hypo	sig	chr12_131028777
chr11	24496603	24496603	+	2.363E-19	4.9542E-18	0.251663	hyper	sig	chr11_24496603
chr1	16018037	16018037	+	2.364E-19	4.9555E-18	0.375906	hyper	sig	chr1_16018037
chr9	1.36E+08	136202835	+	2.364E-19	4.9555E-18	0.317587	hyper	sig	chr9_136202835
chr4	4226442	4226442	+	2.365E-19	4.9571E-18	0.268106	hyper	sig	chr4_4226442
chr7	1.59E+08	158995530	+	2.366E-19	4.9604E-18	-0.22503	hypo	sig	chr7_158995530
chr8	13566585	13566585	+	2.367E-19	4.9609E-18	0.201126	hyper	sig	chr8_13566585
chr13	54799986	54799986	+	2.367E-19	4.9613E-18	-0.22926	hypo	sig	chr13_54799986
chr5	45696490	45696490	+	2.367E-19	4.9613E-18	0.278645	hyper	sig	chr5_45696490
chr10	86263449	86263449	+	2.368E-19	4.9629E-18	0.238229	hyper	sig	chr10_86263449
chr15	93070801	93070801	+	2.369E-19	4.9657E-18	0.317672	hyper	sig	chr15_93070801
chr22	39456667	39456667	+	2.37E-19	4.9667E-18	0.289619	hyper	sig	chr22_39456667
chr13	1.13E+08	113109845	+	2.371E-19	4.9699E-18	0.424858	hyper	sig	chr13_113109845
chr14	94773113	94773113	+	2.371E-19	4.9699E-18	0.254531	hyper	sig	chr14_94773113
chr7	75395423	75395423	+	2.372E-19	4.9709E-18	0.314921	hyper	sig	chr7_75395423
chr11	20163291	20163291	+	2.372E-19	4.971E-18	0.21806	hyper	sig	chr11_20163291
chr5	77639222	77639222	+	2.372E-19	4.9711E-18	0.315503	hyper	sig	chr5_77639222
chr5	1.41E+08	141431019	+	2.375E-19	4.9764E-18	0.272302	hyper	sig	chr5_141431019
chr3	1.87E+08	187139813	+	2.377E-19	4.9819E-18	0.21668	hyper	sig	chr3_187139813
chr2	26847414	26847414	+	2.377E-19	4.982E-18	0.292207	hyper	sig	chr2_26847414
chr7	5558086	5558086	+	2.378E-19	4.9835E-18	0.254119	hyper	sig	chr7_5558086
chr1	95233245	95233245	+	2.38E-19	4.9863E-18	0.242625	hyper	sig	chr1_95233245
chr1	2.36E+08	236065475	+	2.38E-19	4.9872E-18	0.26371	hyper	sig	chr1_236065475
chr15	80778510	80778510	+	2.381E-19	4.9894E-18	-0.28929	hypo	sig	chr15_80778510

chr3	1.33E+08	133038907	+	2.382E-19	4.9906E-18	0.261406	hyper	sig	chr3_133038907
chr1	1.08E+08	107965926	+	2.383E-19	4.9915E-18	0.223872	hyper	sig	chr1_107965926
chr12	1.14E+08	114401083	+	2.383E-19	4.9915E-18	0.265599	hyper	sig	chr12_114401083
chr2	468260	468260	+	2.382E-19	4.9915E-18	0.265971	hyper	sig	chr2_468260
chr15	96417069	96417069	+	2.383E-19	4.9932E-18	0.257098	hyper	sig	chr15_96417069
chr7	1.02E+08	102170725	+	2.385E-19	4.9966E-18	0.239218	hyper	sig	chr7_102170725
chr13	78586888	78586888	+	2.389E-19	5.0056E-18	0.265628	hyper	sig	chr13_78586888
chr9	91421187	91421187	+	2.39E-19	5.0068E-18	0.253864	hyper	sig	chr9_91421187
chr2	2.28E+08	228182030	+	2.391E-19	5.0082E-18	0.344935	hyper	sig	chr2_228182030
chr20	63658039	63658039	+	2.392E-19	5.0111E-18	0.274801	hyper	sig	chr20_63658039
chr9	1.22E+08	121598034	+	2.393E-19	5.0128E-18	0.302975	hyper	sig	chr9_121598034
chr12	1.17E+08	116559089	+	2.393E-19	5.013E-18	-0.22982	hypo	sig	chr12_116559089
chr6	1.55E+08	155248331	+	2.396E-19	5.0184E-18	0.282628	hyper	sig	chr6_155248331
chr3	32817910	32817910	+	2.398E-19	5.0221E-18	0.222691	hyper	sig	chr3_32817910
chr8	1.43E+08	143145104	+	2.398E-19	5.0232E-18	-0.27642	hypo	sig	chr8_143145104
chr1	26411627	26411627	+	2.4E-19	5.0272E-18	0.292418	hyper	sig	chr1_26411627
chr16	86495397	86495397	+	2.401E-19	5.0287E-18	0.286508	hyper	sig	chr16_86495397
chr6	1.67E+08	167219385	+	2.401E-19	5.0287E-18	-0.32006	hypo	sig	chr6_167219385
chr1	2355222	2355222	+	2.401E-19	5.0291E-18	0.3659	hyper	sig	chr1_2355222
chr18	909065	909065	+	2.402E-19	5.0292E-18	0.337916	hyper	sig	chr18_909065
chr14	36654820	36654820	+	2.404E-19	5.0336E-18	0.266981	hyper	sig	chr14_36654820
chr4	1.04E+08	103719882	+	2.405E-19	5.0352E-18	0.29831	hyper	sig	chr4_103719882
chr6	96927869	96927869	+	2.405E-19	5.0353E-18	-0.2247	hypo	sig	chr6_96927869
chr1	18820639	18820639	+	2.409E-19	5.0432E-18	-0.29376	hypo	sig	chr1_18820639
chr20	21704774	21704774	+	2.409E-19	5.045E-18	0.256422	hyper	sig	chr20_21704774
chr19	1908143	1908143	+	2.411E-19	5.0489E-18	-0.27844	hypo	sig	chr19_1908143
chr10	1736605	1736605	+	2.412E-19	5.0491E-18	0.252536	hyper	sig	chr10_1736605
chr7	97951266	97951266	+	2.412E-19	5.0496E-18	-0.27923	hypo	sig	chr7_97951266
chr5	1.51E+08	151158264	+	2.415E-19	5.0566E-18	0.299684	hyper	sig	chr5_151158264
chr2	95025429	95025429	+	2.416E-19	5.0575E-18	0.260755	hyper	sig	chr2_95025429
chr2	2.03E+08	203237695	+	2.417E-19	5.0591E-18	0.217081	hyper	sig	chr2_203237695
chr1	18631650	18631650	+	2.417E-19	5.0591E-18	0.244382	hyper	sig	chr1_18631650
chr11	1.19E+08	118679776	+	2.418E-19	5.0617E-18	-0.25626	hypo	sig	chr11_118679776
chr3	48661983	48661983	+	2.423E-19	5.0721E-18	0.303406	hyper	sig	chr3_48661983
chr19	48480873	48480873	+	2.425E-19	5.0752E-18	0.372938	hyper	sig	chr19_48480873
chr3	1.39E+08	138939587	+	2.429E-19	5.0847E-18	0.244396	hyper	sig	chr3_138939587
chr6	1.67E+08	166765342	+	2.429E-19	5.0849E-18	0.23353	hyper	sig	chr6_166765342
chr10	1.01E+08	101227659	+	2.43E-19	5.0853E-18	0.214465	hyper	sig	chr10_101227659
chr15	1.01E+08	101088448	+	2.434E-19	5.0935E-18	-0.33403	hypo	sig	chr15_101088448
chr5	1100195	1100195	+	2.434E-19	5.0946E-18	0.339926	hyper	sig	chr5_1100195
chr4	1.45E+08	144646455	+	2.434E-19	5.095E-18	0.257885	hyper	sig	chr4_144646455
chr2	5692858	5692858	+	2.438E-19	5.1021E-18	0.315787	hyper	sig	chr2_5692858
chr8	24915723	24915723	+	2.441E-19	5.1079E-18	0.247261	hyper	sig	chr8_24915723
chr20	32052476	32052476	+	2.442E-19	5.1117E-18	0.2282	hyper	sig	chr20_32052476
chr3	1.54E+08	154428706	+	2.444E-19	5.1139E-18	0.306579	hyper	sig	chr3_154428706
chr3	1.43E+08	143121346	+	2.444E-19	5.1155E-18	0.270428	hyper	sig	chr3_143121346
chr17	801011	801011	+	2.446E-19	5.1184E-18	-0.25349	hypo	sig	chr17_801011
chr10	75408460	75408460	+	2.447E-19	5.12E-18	0.274906	hyper	sig	chr10_75408460
chr13	1.12E+08	112375036	+	2.448E-19	5.1218E-18	-0.27604	hypo	sig	chr13_112375036
chr15	84080197	84080197	+	2.448E-19	5.1218E-18	0.228991	hyper	sig	chr15_84080197
chr8	1.28E+08	127740688	+	2.448E-19	5.1224E-18	-0.3252	hypo	sig	chr8_127740688
chr17	40779784	40779784	+	2.448E-19	5.123E-18	0.243315	hyper	sig	chr17_40779784
chr2	1.32E+08	132257063	+	2.451E-19	5.1281E-18	0.351073	hyper	sig	chr2_132257063
chr11	637006	637006	+	2.457E-19	5.141E-18	0.292596	hyper	sig	chr11_637006
chr15	37106898	37106898	+	2.458E-19	5.1425E-18	0.210106	hyper	sig	chr15_37106898
chr3	37765948	37765948	+	2.459E-19	5.1433E-18	0.234129	hyper	sig	chr3_37765948

chr6	32153130	32153130	+	2.46E-19	5.1464E-18	0.251426	hyper	sig	chr6_32153130
chr18	75455506	75455506	+	2.46E-19	5.1464E-18	0.238002	hyper	sig	chr18_75455506
chr20	38582760	38582760	+	2.462E-19	5.1502E-18	-0.24046	hypo	sig	chr20_38582760
chr16	1088718	1088718	+	2.462E-19	5.1503E-18	-0.38957	hypo	sig	chr16_1088718
chr5	32713009	32713009	+	2.463E-19	5.1519E-18	0.273926	hyper	sig	chr5_32713009
chr12	1.13E+08	113476193	+	2.463E-19	5.1527E-18	0.240309	hyper	sig	chr12_113476193
chr10	15719193	15719193	+	2.464E-19	5.1537E-18	0.215442	hyper	sig	chr10_15719193
chr4	1.9E+08	190017291	+	2.464E-19	5.1544E-18	0.332055	hyper	sig	chr4_190017291
chr2	1.71E+08	170717322	+	2.466E-19	5.1567E-18	0.305247	hyper	sig	chr2_170717322
chr19	57935419	57935419	+	2.466E-19	5.1574E-18	0.274294	hyper	sig	chr19_57935419
chr7	1.59E+08	158741172	+	2.466E-19	5.1574E-18	0.218477	hyper	sig	chr7_158741172
chr12	1.13E+08	113465009	+	2.469E-19	5.1647E-18	0.255025	hyper	sig	chr12_113465009
chr5	1.41E+08	140843485	+	2.47E-19	5.1657E-18	0.270348	hyper	sig	chr5_140843485
chr4	15782992	15782992	+	2.471E-19	5.1683E-18	-0.27324	hypo	sig	chr4_15782992
chr11	73310073	73310073	+	2.472E-19	5.1688E-18	0.237195	hyper	sig	chr11_73310073
chr3	1.98E+08	197509676	+	2.472E-19	5.1692E-18	0.231894	hyper	sig	chr3_197509676
chr6	30172156	30172156	+	2.473E-19	5.1707E-18	0.278421	hyper	sig	chr6_30172156
chr5	1.41E+08	141339441	+	2.474E-19	5.1729E-18	0.25779	hyper	sig	chr5_141339441
chr2	910989	910989	+	2.474E-19	5.1729E-18	-0.26046	hypo	sig	chr2_910989
chr19	57935094	57935094	+	2.475E-19	5.1742E-18	0.327377	hyper	sig	chr19_57935094
chr4	2036674	2036674	+	2.475E-19	5.1745E-18	-0.25389	hypo	sig	chr4_2036674
chr3	1.23E+08	123447763	+	2.477E-19	5.1784E-18	0.37369	hyper	sig	chr3_123447763
chr3	13282207	13282207	+	2.477E-19	5.1791E-18	0.357695	hyper	sig	chr3_13282207
chr5	42971367	42971367	+	2.478E-19	5.181E-18	0.2759	hyper	sig	chr5_42971367
chr11	72013589	72013589	+	2.479E-19	5.1822E-18	0.251212	hyper	sig	chr11_72013589
chr5	1.79E+08	178940620	+	2.479E-19	5.1822E-18	0.320318	hyper	sig	chr5_178940620
chr17	77282080	77282080	+	2.479E-19	5.1831E-18	-0.26462	hypo	sig	chr17_77282080
chr1	2.07E+08	207453041	+	2.48E-19	5.184E-18	-0.24611	hypo	sig	chr1_207453041
chr3	75655438	75655438	+	2.481E-19	5.1862E-18	0.308015	hyper	sig	chr3_75655438
chr10	29545334	29545334	+	2.482E-19	5.188E-18	0.262885	hyper	sig	chr10_29545334
chr11	65047797	65047797	+	2.482E-19	5.1884E-18	0.34875	hyper	sig	chr11_65047797
chr6	30171644	30171644	+	2.482E-19	5.1884E-18	0.238421	hyper	sig	chr6_30171644
chr16	89201612	89201612	+	2.483E-19	5.189E-18	0.206621	hyper	sig	chr16_89201612
chr7	99580064	99580064	+	2.483E-19	5.189E-18	0.347047	hyper	sig	chr7_99580064
chr20	63178559	63178559	+	2.486E-19	5.1953E-18	0.277974	hyper	sig	chr20_63178559
chr17	64778174	64778174	+	2.486E-19	5.1969E-18	0.339017	hyper	sig	chr17_64778174
chr10	566528	566528	+	2.487E-19	5.1977E-18	-0.31504	hypo	sig	chr10_566528
chr4	1410535	1410535	+	2.488E-19	5.199E-18	0.323106	hyper	sig	chr4_1410535
chr20	662112	662112	+	2.488E-19	5.1996E-18	0.317592	hyper	sig	chr20_662112
chr1	57424872	57424872	+	2.488E-19	5.1999E-18	0.255188	hyper	sig	chr1_57424872
chr2	9820648	9820648	+	2.489E-19	5.2018E-18	-0.27917	hypo	sig	chr2_9820648
chr10	1.01E+08	101140695	+	2.49E-19	5.2033E-18	0.34302	hyper	sig	chr10_101140695
chr4	1.25E+08	125316170	+	2.494E-19	5.2118E-18	0.220945	hyper	sig	chr4_125316170
chr10	29470445	29470445	+	2.497E-19	5.2172E-18	0.265906	hyper	sig	chr10_29470445
chr1	1.1E+08	109978948	+	2.497E-19	5.2173E-18	-0.23191	hypo	sig	chr1_109978948
chr12	29150321	29150321	+	2.497E-19	5.2184E-18	-0.32175	hypo	sig	chr12_29150321
chr17	19470903	19470903	+	2.501E-19	5.2265E-18	0.27538	hyper	sig	chr17_19470903
chr3	1.82E+08	181696449	+	2.505E-19	5.2331E-18	0.24854	hyper	sig	chr3_181696449
chr8	1.33E+08	133237557	+	2.507E-19	5.2379E-18	0.281077	hyper	sig	chr8_133237557
chr1	15214784	15214784	+	2.507E-19	5.2387E-18	0.265601	hyper	sig	chr1_15214784
chr6	37649370	37649370	+	2.509E-19	5.2416E-18	0.358472	hyper	sig	chr6_37649370
chr7	1520810	1520810	+	2.513E-19	5.25E-18	-0.3188	hypo	sig	chr7_1520810
chr9	1.22E+08	121701203	+	2.514E-19	5.2515E-18	0.298402	hyper	sig	chr9_121701203
chr1	2.08E+08	207823142	+	2.516E-19	5.2567E-18	0.356536	hyper	sig	chr1_207823142
chr1	90725025	90725025	+	2.517E-19	5.2571E-18	0.318024	hyper	sig	chr1_90725025
chr19	54339204	54339204	+	2.517E-19	5.2583E-18	-0.2718	hypo	sig	chr19_54339204

chr16	3939435	3939435	+	2.519E-19	5.2609E-18	0.253085	hyper	sig	chr16_3939435
chr4	1.07E+08	107037446	+	2.519E-19	5.2613E-18	0.23831	hyper	sig	chr4_107037446
chr16	67963971	67963971	+	2.521E-19	5.2652E-18	0.266193	hyper	sig	chr16_67963971
chr10	1736390	1736390	+	2.523E-19	5.2706E-18	0.245686	hyper	sig	chr10_1736390
chr5	1.29E+08	128537607	+	2.529E-19	5.2818E-18	0.258155	hyper	sig	chr5_128537607
chr2	1.33E+08	132669044	+	2.53E-19	5.2832E-18	0.244148	hyper	sig	chr2_132669044
chr9	97077445	97077445	+	2.531E-19	5.2853E-18	0.290552	hyper	sig	chr9_97077445
chr10	1.32E+08	132487414	+	2.531E-19	5.2861E-18	-0.30615	hypo	sig	chr10_132487414
chr8	97278175	97278175	+	2.532E-19	5.2879E-18	0.282197	hyper	sig	chr8_97278175
chr3	1.38E+08	137770814	+	2.534E-19	5.2904E-18	0.297669	hyper	sig	chr3_137770814
chr8	52941642	52941642	+	2.534E-19	5.2906E-18	0.354551	hyper	sig	chr8_52941642
chr3	24522194	24522194	+	2.534E-19	5.2913E-18	0.213647	hyper	sig	chr3_24522194
chr7	1.37E+08	136868580	+	2.534E-19	5.2913E-18	0.217956	hyper	sig	chr7_136868580
chr5	77211612	77211612	+	2.544E-19	5.311E-18	0.226226	hyper	sig	chr5_77211612
chr4	1.86E+08	185797275	+	2.544E-19	5.312E-18	0.285276	hyper	sig	chr4_185797275
chr7	1242498	1242498	+	2.545E-19	5.3135E-18	0.380107	hyper	sig	chr7_1242498
chr6	1.68E+08	168372956	+	2.548E-19	5.3197E-18	-0.30823	hypo	sig	chr6_168372956
chr11	64936102	64936102	+	2.548E-19	5.3202E-18	0.22802	hyper	sig	chr11_64936102
chr6	62286381	62286381	+	2.549E-19	5.3214E-18	0.274731	hyper	sig	chr6_62286381
chr8	1.44E+08	143937891	+	2.554E-19	5.3312E-18	-0.25818	hypo	sig	chr8_143937891
chr21	44353287	44353287	+	2.556E-19	5.3348E-18	-0.25443	hypo	sig	chr21_44353287
chr13	1.14E+08	114061276	+	2.556E-19	5.3352E-18	-0.30777	hypo	sig	chr13_114061276
chr16	29663638	29663638	+	2.56E-19	5.3438E-18	-0.28496	hypo	sig	chr16_29663638
chr7	2512344	2512344	+	2.561E-19	5.3455E-18	-0.25421	hypo	sig	chr7_2512344
chr11	1.12E+08	111912877	+	2.562E-19	5.348E-18	0.290103	hyper	sig	chr11_111912877
chr16	66948712	66948712	+	2.564E-19	5.3511E-18	0.270778	hyper	sig	chr16_66948712
chr11	31826962	31826962	+	2.569E-19	5.3615E-18	0.313033	hyper	sig	chr11_31826962
chr10	1.07E+08	107163353	+	2.57E-19	5.3641E-18	0.237246	hyper	sig	chr10_107163353
chr10	8037449	8037449	+	2.574E-19	5.3717E-18	0.237776	hyper	sig	chr10_8037449
chr10	25935070	25935070	+	2.574E-19	5.3722E-18	0.255073	hyper	sig	chr10_25935070
chr2	2.42E+08	241843046	+	2.575E-19	5.374E-18	-0.22589	hypo	sig	chr2_241843046
chr2	1.81E+08	181457153	+	2.577E-19	5.3769E-18	0.213	hyper	sig	chr2_181457153
chr13	99989105	99989105	+	2.578E-19	5.3788E-18	0.205994	hyper	sig	chr13_99989105
chr10	1518276	1518276	+	2.578E-19	5.3792E-18	-0.25121	hypo	sig	chr10_1518276
chr7	1045114	1045114	+	2.579E-19	5.382E-18	0.253285	hyper	sig	chr7_1045114
chr7	1230981	1230981	+	2.582E-19	5.3863E-18	0.323511	hyper	sig	chr7_1230981
chr10	23191029	23191029	+	2.587E-19	5.3964E-18	0.290749	hyper	sig	chr10_23191029
chr5	19987909	19987909	+	2.587E-19	5.3974E-18	0.279822	hyper	sig	chr5_19987909
chr3	1.8E+08	180037416	+	2.588E-19	5.3983E-18	0.330581	hyper	sig	chr3_180037416
chr10	70442022	70442022	+	2.588E-19	5.3999E-18	-0.21464	hypo	sig	chr10_70442022
chr22	39558205	39558205	+	2.59E-19	5.403E-18	0.313664	hyper	sig	chr22_39558205
chr5	1.41E+08	141352363	+	2.593E-19	5.409E-18	0.332181	hyper	sig	chr5_141352363
chr16	1548865	1548865	+	2.594E-19	5.4114E-18	-0.22078	hypo	sig	chr16_1548865
chr13	25046800	25046800	+	2.595E-19	5.4125E-18	0.224156	hyper	sig	chr13_25046800
chr6	84766553	84766553	+	2.597E-19	5.4164E-18	0.410972	hyper	sig	chr6_84766553
chr5	1.46E+08	146343343	+	2.598E-19	5.4196E-18	0.252425	hyper	sig	chr5_146343343
chr8	1029542	1029542	+	2.605E-19	5.433E-18	-0.33383	hypo	sig	chr8_1029542
chr15	82044457	82044457	+	2.608E-19	5.4399E-18	0.214868	hyper	sig	chr15_82044457
chr4	61200699	61200699	+	2.616E-19	5.4555E-18	0.347147	hyper	sig	chr4_61200699
chr8	37940038	37940038	+	2.617E-19	5.4586E-18	-0.26544	hypo	sig	chr8_37940038
chr19	49433064	49433064	+	2.618E-19	5.4605E-18	0.334755	hyper	sig	chr19_49433064
chr20	21515437	21515437	+	2.62E-19	5.4635E-18	0.3563	hyper	sig	chr20_21515437
chr7	5304086	5304086	+	2.62E-19	5.4635E-18	-0.28567	hypo	sig	chr7_5304086
chr19	19860876	19860876	+	2.621E-19	5.4655E-18	0.308591	hyper	sig	chr19_19860876
chr2	38515621	38515621	+	2.622E-19	5.4664E-18	0.268078	hyper	sig	chr2_38515621
chr11	1521127	1521127	+	2.622E-19	5.4677E-18	0.252662	hyper	sig	chr11_1521127

chr1	1.14E+08	114154240	+	2.623E-19	5.4702E-18	0.24336	hyper	sig	chr1_114154240
chr19	5037092	5037092	+	2.625E-19	5.4735E-18	0.221689	hyper	sig	chr19_5037092
chr12	1.24E+08	124098312	+	2.629E-19	5.4815E-18	0.283788	hyper	sig	chr12_124098312
chr11	65592897	65592897	+	2.63E-19	5.4838E-18	0.300973	hyper	sig	chr11_65592897
chr12	3493012	3493012	+	2.631E-19	5.4844E-18	0.379822	hyper	sig	chr12_3493012
chr9	1.31E+08	130664743	+	2.631E-19	5.4844E-18	0.24528	hyper	sig	chr9_130664743
chr5	88889573	88889573	+	2.631E-19	5.4853E-18	0.250536	hyper	sig	chr5_88889573
chr17	41520509	41520509	+	2.633E-19	5.4882E-18	-0.25985	hypo	sig	chr17_41520509
chr8	25001467	25001467	+	2.634E-19	5.4908E-18	0.257568	hyper	sig	chr8_25001467
chr7	1.51E+08	151410601	+	2.634E-19	5.4919E-18	0.299146	hyper	sig	chr7_151410601
chr8	71558597	71558597	+	2.635E-19	5.4924E-18	0.227338	hyper	sig	chr8_71558597
chr19	58368451	58368451	+	2.635E-19	5.4933E-18	0.351353	hyper	sig	chr19_58368451
chr4	56681453	56681453	+	2.636E-19	5.4937E-18	-0.24183	hypo	sig	chr4_56681453
chr6	27238108	27238108	+	2.636E-19	5.4944E-18	0.327256	hyper	sig	chr6_27238108
chr6	1.5E+08	149965021	+	2.637E-19	5.4967E-18	0.264837	hyper	sig	chr6_149965021
chr10	7411415	7411415	+	2.638E-19	5.4977E-18	0.226821	hyper	sig	chr10_7411415
chr5	1.41E+08	141403389	+	2.643E-19	5.509E-18	0.253972	hyper	sig	chr5_141403389
chr4	41751266	41751266	+	2.645E-19	5.5119E-18	0.255179	hyper	sig	chr4_41751266
chr2	1.72E+08	172108476	+	2.645E-19	5.5126E-18	0.27512	hyper	sig	chr2_172108476
chr14	1.01E+08	101442537	+	2.646E-19	5.5146E-18	-0.27136	hypo	sig	chr14_101442537
chr7	38976034	38976034	+	2.646E-19	5.515E-18	0.322124	hyper	sig	chr7_38976034
chr4	89836487	89836487	+	2.649E-19	5.5194E-18	0.242951	hyper	sig	chr4_89836487
chr2	1.19E+08	119008432	+	2.65E-19	5.5218E-18	-0.30454	hypo	sig	chr2_119008432
chr11	1.29E+08	128810595	+	2.653E-19	5.528E-18	-0.24737	hypo	sig	chr11_128810595
chr20	63752959	63752959	+	2.654E-19	5.5311E-18	-0.35297	hypo	sig	chr20_63752959
chr1	1.45E+08	144552000	+	2.656E-19	5.5349E-18	0.220556	hyper	sig	chr1_144552000
chr2	45010609	45010609	+	2.657E-19	5.5368E-18	0.203844	hyper	sig	chr2_45010609
chr2	1.01E+08	101475227	+	2.661E-19	5.5436E-18	-0.28666	hypo	sig	chr2_101475227
chr8	11061030	11061030	+	2.661E-19	5.5448E-18	-0.27831	hypo	sig	chr8_11061030
chr5	1554152	1554152	+	2.664E-19	5.5499E-18	-0.306	hypo	sig	chr5_1554152
chr10	23200780	23200780	+	2.666E-19	5.5539E-18	0.333054	hyper	sig	chr10_23200780
chr3	1.23E+08	122916202	+	2.669E-19	5.56E-18	-0.33645	hypo	sig	chr3_122916202
chr14	28774522	28774522	+	2.669E-19	5.5609E-18	0.304948	hyper	sig	chr14_28774522
chr14	1.01E+08	101232828	+	2.669E-19	5.5613E-18	0.254329	hyper	sig	chr14_101232828
chr9	1.1E+08	109531503	+	2.674E-19	5.5696E-18	-0.25499	hypo	sig	chr9_109531503
chr15	52289324	52289324	+	2.677E-19	5.5772E-18	-0.27212	hypo	sig	chr15_52289324
chr8	41309507	41309507	+	2.678E-19	5.5778E-18	0.214295	hyper	sig	chr8_41309507
chr1	36305705	36305705	+	2.678E-19	5.5785E-18	-0.28978	hypo	sig	chr1_36305705
chr21	33025966	33025966	+	2.68E-19	5.5825E-18	0.285896	hyper	sig	chr21_33025966
chr7	97024581	97024581	+	2.682E-19	5.586E-18	0.314942	hyper	sig	chr7_97024581
chr19	39204095	39204095	+	2.683E-19	5.5892E-18	0.26443	hyper	sig	chr19_39204095
chr7	1.56E+08	156108062	+	2.683E-19	5.5892E-18	-0.31785	hypo	sig	chr7_156108062
chr9	96924967	96924967	+	2.685E-19	5.5912E-18	0.266747	hyper	sig	chr9_96924967
chr8	1.31E+08	131039791	+	2.685E-19	5.592E-18	0.299644	hyper	sig	chr8_131039791
chr2	2.22E+08	222302817	+	2.686E-19	5.5937E-18	0.262968	hyper	sig	chr2_222302817
chr16	765975	765975	+	2.687E-19	5.5956E-18	-0.2787	hypo	sig	chr16_765975
chr15	25184029	25184029	+	2.689E-19	5.6009E-18	-0.28286	hypo	sig	chr15_25184029
chr9	1.28E+08	128216418	+	2.691E-19	5.6032E-18	-0.21786	hypo	sig	chr9_128216418
chr3	1.28E+08	128481942	+	2.692E-19	5.6058E-18	0.289438	hyper	sig	chr3_128481942
chr19	58033781	58033781	+	2.693E-19	5.6068E-18	0.325361	hyper	sig	chr19_58033781
chr3	1.84E+08	184176965	+	2.697E-19	5.6168E-18	0.326372	hyper	sig	chr3_184176965
chr15	79433261	79433261	+	2.701E-19	5.6243E-18	0.352787	hyper	sig	chr15_79433261
chr2	9212898	9212898	+	2.702E-19	5.6269E-18	-0.26728	hypo	sig	chr2_9212898
chr2	11656848	11656848	+	2.704E-19	5.6309E-18	-0.28885	hypo	sig	chr2_11656848
chr9	93095295	93095295	+	2.706E-19	5.6336E-18	-0.26369	hypo	sig	chr9_93095295
chr7	44132209	44132209	+	2.707E-19	5.637E-18	0.24297	hyper	sig	chr7_44132209

chr13	49220580	49220580	+	2.709E-19	5.6406E-18	0.246984	hyper	sig	chr13_49220580
chr18	58047477	58047477	+	2.709E-19	5.6406E-18	0.219012	hyper	sig	chr18_58047477
chr6	27260562	27260562	+	2.711E-19	5.6432E-18	0.247971	hyper	sig	chr6_27260562
chr19	54081614	54081614	+	2.715E-19	5.6513E-18	-0.28945	hypo	sig	chr19_54081614
chr22	48550334	48550334	+	2.715E-19	5.653E-18	-0.35769	hypo	sig	chr22_48550334
chr7	1.5E+08	150340801	+	2.716E-19	5.654E-18	0.276912	hyper	sig	chr7_150340801
chr13	25300857	25300857	+	2.716E-19	5.6544E-18	0.280587	hyper	sig	chr13_25300857
chr7	47315398	47315398	+	2.718E-19	5.6568E-18	0.379227	hyper	sig	chr7_47315398
chr13	1.13E+08	112985365	+	2.718E-19	5.6581E-18	-0.32789	hypo	sig	chr13_112985365
chr3	16512286	16512286	+	2.721E-19	5.6633E-18	-0.2915	hypo	sig	chr3_16512286
chr5	1.41E+08	141399750	+	2.721E-19	5.6643E-18	0.295743	hyper	sig	chr5_141399750
chr19	40690029	40690029	+	2.722E-19	5.6649E-18	0.300836	hyper	sig	chr19_40690029
chr5	3599492	3599492	+	2.722E-19	5.6662E-18	0.377681	hyper	sig	chr5_3599492
chr7	96997820	96997820	+	2.723E-19	5.6678E-18	0.324103	hyper	sig	chr7_96997820
chr15	84080690	84080690	+	2.724E-19	5.6698E-18	0.271997	hyper	sig	chr15_84080690
chr16	3184289	3184289	+	2.727E-19	5.6743E-18	0.305753	hyper	sig	chr16_3184289
chr17	78132589	78132589	+	2.729E-19	5.6784E-18	-0.22864	hypo	sig	chr17_78132589
chr7	97731889	97731889	+	2.729E-19	5.6796E-18	0.208963	hyper	sig	chr7_97731889
chr20	3408854	3408854	+	2.729E-19	5.6798E-18	0.226834	hyper	sig	chr20_3408854
chr11	1748279	1748279	+	2.73E-19	5.6818E-18	0.31409	hyper	sig	chr11_1748279
chr13	57629963	57629963	+	2.733E-19	5.6868E-18	0.26365	hyper	sig	chr13_57629963
chr16	1532580	1532580	+	2.738E-19	5.6981E-18	0.241941	hyper	sig	chr16_1532580
chr11	46295978	46295978	+	2.741E-19	5.7038E-18	0.30825	hyper	sig	chr11_46295978
chr10	34974223	34974223	+	2.742E-19	5.7056E-18	-0.32466	hypo	sig	chr10_34974223
chr5	1.41E+08	141360334	+	2.742E-19	5.7061E-18	0.291062	hyper	sig	chr5_141360334
chr5	1.41E+08	141177845	+	2.746E-19	5.713E-18	0.314962	hyper	sig	chr5_141177845
chr16	51153926	51153926	+	2.746E-19	5.7134E-18	0.283021	hyper	sig	chr16_51153926
chr19	42323538	42323538	+	2.748E-19	5.7176E-18	0.295592	hyper	sig	chr19_42323538
chr13	1.12E+08	112451648	+	2.749E-19	5.72E-18	-0.3332	hypo	sig	chr13_112451648
chr10	1.3E+08	129960440	+	2.753E-19	5.7275E-18	0.294608	hyper	sig	chr10_129960440
chr9	1.3E+08	130175430	+	2.756E-19	5.7341E-18	0.251343	hyper	sig	chr9_130175430
chr16	67843510	67843510	+	2.757E-19	5.7358E-18	0.220569	hyper	sig	chr16_67843510
chr3	1.56E+08	156291670	+	2.76E-19	5.7423E-18	0.23479	hyper	sig	chr3_156291670
chr16	1941298	1941298	+	2.763E-19	5.7475E-18	-0.27913	hypo	sig	chr16_1941298
chr3	1.28E+08	128496704	+	2.763E-19	5.7483E-18	0.307023	hyper	sig	chr3_128496704
chr8	23706485	23706485	+	2.764E-19	5.7488E-18	0.246546	hyper	sig	chr8_23706485
chr1	1.08E+08	107965951	+	2.765E-19	5.7509E-18	0.207699	hyper	sig	chr1_107965951
chr15	45116663	45116663	+	2.765E-19	5.7512E-18	0.267388	hyper	sig	chr15_45116663
chr1	3359895	3359895	+	2.767E-19	5.7548E-18	-0.26221	hypo	sig	chr1_3359895
chr11	95154998	95154998	+	2.767E-19	5.7555E-18	0.263489	hyper	sig	chr11_95154998
chr2	1.15E+08	114662152	+	2.767E-19	5.7555E-18	0.389141	hyper	sig	chr2_114662152
chr8	1.43E+08	142786675	+	2.768E-19	5.7567E-18	-0.31071	hypo	sig	chr8_142786675
chr2	2.02E+08	202171361	+	2.772E-19	5.7649E-18	0.312324	hyper	sig	chr2_202171361
chr17	76000353	76000353	+	2.774E-19	5.7691E-18	0.255592	hyper	sig	chr17_76000353
chr4	1.74E+08	173524171	+	2.775E-19	5.7716E-18	0.292788	hyper	sig	chr4_173524171
chr5	31855083	31855083	+	2.776E-19	5.7734E-18	0.239777	hyper	sig	chr5_31855083
chr2	44943144	44943144	+	2.777E-19	5.7739E-18	0.337199	hyper	sig	chr2_44943144
chr13	96091907	96091907	+	2.779E-19	5.7778E-18	0.244477	hyper	sig	chr13_96091907
chr5	1.41E+08	141423156	+	2.779E-19	5.7782E-18	0.284567	hyper	sig	chr5_141423156
chr17	74351786	74351786	+	2.782E-19	5.7835E-18	0.355634	hyper	sig	chr17_74351786
chr8	11283906	11283906	+	2.783E-19	5.7872E-18	0.252376	hyper	sig	chr8_11283906
chr17	81453349	81453349	+	2.784E-19	5.7873E-18	-0.27518	hypo	sig	chr17_81453349
chr1	1.48E+08	148310209	+	2.786E-19	5.7929E-18	0.307329	hyper	sig	chr1_148310209
chr10	68562136	68562136	+	2.787E-19	5.7947E-18	0.333395	hyper	sig	chr10_68562136
chr8	51809366	51809366	+	2.788E-19	5.7953E-18	0.367336	hyper	sig	chr8_51809366
chr11	20208531	20208531	+	2.788E-19	5.7966E-18	0.25709	hyper	sig	chr11_20208531

chr17	16379061	16379061	+	2.788E-19	5.7969E-18	-0.23419	hypo	sig	chr17_16379061
chr18	12254434	12254434	+	2.79E-19	5.7998E-18	0.314926	hyper	sig	chr18_12254434
chr7	928855	928855	+	2.791E-19	5.8023E-18	0.237138	hyper	sig	chr7_928855
chr11	69005630	69005630	+	2.792E-19	5.8042E-18	0.283665	hyper	sig	chr11_69005630
chr16	1169456	1169456	+	2.793E-19	5.8055E-18	0.274109	hyper	sig	chr16_1169456
chr11	15938056	15938056	+	2.794E-19	5.8079E-18	0.269338	hyper	sig	chr11_15938056
chr1	2273774	2273774	+	2.798E-19	5.8153E-18	0.231096	hyper	sig	chr1_2273774
chr5	2387870	2387870	+	2.798E-19	5.8153E-18	0.288961	hyper	sig	chr5_2387870
chr13	1.14E+08	114121600	+	2.798E-19	5.816E-18	-0.32918	hypo	sig	chr13_114121600
chr6	1.51E+08	151239897	+	2.8E-19	5.8194E-18	0.258037	hyper	sig	chr6_151239897
chr7	1.37E+08	136869404	+	2.803E-19	5.8257E-18	0.344586	hyper	sig	chr7_136869404
chr19	48640165	48640165	+	2.804E-19	5.8277E-18	-0.34796	hypo	sig	chr19_48640165
chr7	1.37E+08	136869935	+	2.804E-19	5.8281E-18	0.379185	hyper	sig	chr7_136869935
chr1	25618254	25618254	+	2.807E-19	5.8342E-18	0.292693	hyper	sig	chr1_25618254
chr11	59557389	59557389	+	2.809E-19	5.8368E-18	-0.27068	hypo	sig	chr11_59557389
chr4	1.9E+08	190017896	+	2.811E-19	5.8405E-18	0.338484	hyper	sig	chr4_190017896
chr7	1.57E+08	157004341	+	2.811E-19	5.8412E-18	0.214496	hyper	sig	chr7_157004341
chr14	24311411	24311411	+	2.813E-19	5.8447E-18	0.24491	hyper	sig	chr14_24311411
chr13	98483289	98483289	+	2.814E-19	5.847E-18	0.235432	hyper	sig	chr13_98483289
chr10	23173393	23173393	+	2.816E-19	5.8509E-18	0.382201	hyper	sig	chr10_23173393
chr8	41700103	41700103	+	2.819E-19	5.8565E-18	-0.31945	hypo	sig	chr8_41700103
chr20	41366902	41366902	+	2.823E-19	5.8658E-18	0.285956	hyper	sig	chr20_41366902
chr1	2.4E+08	240093846	+	2.825E-19	5.8695E-18	0.372097	hyper	sig	chr1_240093846
chr15	89411833	89411833	+	2.825E-19	5.8698E-18	0.245515	hyper	sig	chr15_89411833
chr12	1.23E+08	123097774	+	2.827E-19	5.8721E-18	0.261955	hyper	sig	chr12_123097774
chr14	92946391	92946391	+	2.827E-19	5.8728E-18	-0.25833	hypo	sig	chr14_92946391
chr17	2071960	2071960	+	2.827E-19	5.8728E-18	0.305068	hyper	sig	chr17_2071960
chr8	1.2E+08	119673394	+	2.828E-19	5.8737E-18	0.222124	hyper	sig	chr8_119673394
chr4	95548952	95548952	+	2.828E-19	5.8745E-18	0.345846	hyper	sig	chr4_95548952
chr8	1.31E+08	131041599	+	2.829E-19	5.8774E-18	0.337868	hyper	sig	chr8_131041599
chr1	18632993	18632993	+	2.835E-19	5.8893E-18	0.230003	hyper	sig	chr1_18632993
chr7	1.02E+08	102045391	+	2.838E-19	5.8941E-18	0.308778	hyper	sig	chr7_102045391
chr11	92225957	92225957	+	2.84E-19	5.898E-18	0.256133	hyper	sig	chr11_92225957
chr8	64374064	64374064	+	2.841E-19	5.9E-18	0.425214	hyper	sig	chr8_64374064
chr20	300796	300796	+	2.841E-19	5.901E-18	0.257076	hyper	sig	chr20_300796
chr12	1.3E+08	130196067	+	2.842E-19	5.903E-18	0.222718	hyper	sig	chr12_130196067
chr10	55628343	55628343	+	2.843E-19	5.9036E-18	0.278767	hyper	sig	chr10_55628343
chr5	51390406	51390406	+	2.846E-19	5.9093E-18	0.308593	hyper	sig	chr5_51390406
chr2	1.2E+08	120340950	+	2.853E-19	5.9243E-18	-0.35474	hypo	sig	chr2_120340950
chr12	1.14E+08	114447547	+	2.854E-19	5.9263E-18	0.258503	hyper	sig	chr12_114447547
chr11	8169088	8169088	+	2.855E-19	5.9276E-18	0.218553	hyper	sig	chr11_8169088
chr2	86790978	86790978	+	2.855E-19	5.9282E-18	0.30107	hyper	sig	chr2_86790978
chr19	17329096	17329096	+	2.856E-19	5.9306E-18	0.218741	hyper	sig	chr19_17329096
chr2	2.28E+08	228181722	+	2.862E-19	5.9414E-18	0.362901	hyper	sig	chr2_228181722
chr7	1.32E+08	131649768	+	2.862E-19	5.9414E-18	-0.22913	hypo	sig	chr7_131649768
chr3	62319449	62319449	+	2.862E-19	5.9418E-18	0.236494	hyper	sig	chr3_62319449
chr19	49961196	49961196	+	2.863E-19	5.9441E-18	-0.28827	hypo	sig	chr19_49961196
chr7	1.58E+08	157522041	+	2.864E-19	5.9451E-18	-0.25395	hypo	sig	chr7_157522041
chr16	10183397	10183397	+	2.868E-19	5.9538E-18	0.202587	hyper	sig	chr16_10183397
chr1	45623294	45623294	+	2.869E-19	5.9569E-18	0.357452	hyper	sig	chr1_45623294
chr7	1.22E+08	122300198	+	2.872E-19	5.9624E-18	0.365545	hyper	sig	chr7_122300198
chr2	2.22E+08	222298927	+	2.872E-19	5.9626E-18	0.244151	hyper	sig	chr2_222298927
chr2	29115057	29115057	+	2.875E-19	5.9679E-18	0.284103	hyper	sig	chr2_29115057
chr16	51153839	51153839	+	2.876E-19	5.969E-18	0.284329	hyper	sig	chr16_51153839
chr5	1.69E+08	168529894	+	2.877E-19	5.9708E-18	0.295743	hyper	sig	chr5_168529894
chr3	1.88E+08	187670452	+	2.878E-19	5.9731E-18	0.267268	hyper	sig	chr3_187670452

chr15	52788331	52788331	+	2.878E-19	5.9736E-18	0.357983	hyper	sig	chr15_52788331
chr19	32869733	32869733	+	2.882E-19	5.9814E-18	-0.29905	hypo	sig	chr19_32869733
chr1	2.34E+08	234235007	+	2.882E-19	5.982E-18	-0.34471	hypo	sig	chr1_234235007
chr8	41309600	41309600	+	2.882E-19	5.982E-18	0.240962	hyper	sig	chr8_41309600
chr2	1.07E+08	106885558	+	2.883E-19	5.9823E-18	0.204721	hyper	sig	chr2_106885558
chr2	2.42E+08	242011651	+	2.885E-19	5.9867E-18	-0.20921	hypo	sig	chr2_242011651
chr12	8605473	8605473	+	2.885E-19	5.9874E-18	-0.21734	hypo	sig	chr12_8605473
chr7	1055064	1055064	+	2.887E-19	5.9902E-18	0.310822	hyper	sig	chr7_1055064
chr3	46580446	46580446	+	2.887E-19	5.9906E-18	-0.24908	hypo	sig	chr3_46580446
chr7	35261437	35261437	+	2.887E-19	5.9911E-18	0.251887	hyper	sig	chr7_35261437
chr3	1.47E+08	147396197	+	2.888E-19	5.9921E-18	0.314353	hyper	sig	chr3_147396197
chr5	1.41E+08	141393112	+	2.888E-19	5.993E-18	0.248367	hyper	sig	chr5_141393112
chr10	1.25E+08	125151378	+	2.891E-19	5.9987E-18	-0.26403	hypo	sig	chr10_125151378
chr20	56004132	56004132	+	2.892E-19	5.9996E-18	0.341668	hyper	sig	chr20_56004132
chr8	1.44E+08	143938557	+	2.896E-19	6.0078E-18	-0.31156	hypo	sig	chr8_143938557
chr20	9515889	9515889	+	2.897E-19	6.0104E-18	0.293828	hyper	sig	chr20_9515889
chr8	1.43E+08	143265051	+	2.897E-19	6.0104E-18	-0.2831	hypo	sig	chr8_143265051
chr2	2.19E+08	218859031	+	2.903E-19	6.0223E-18	0.238924	hyper	sig	chr2_218859031
chr3	1.38E+08	137769652	+	2.907E-19	6.0302E-18	0.222821	hyper	sig	chr3_137769652
chr5	11903380	11903380	+	2.909E-19	6.0343E-18	0.211308	hyper	sig	chr5_11903380
chr6	36948347	36948347	+	2.912E-19	6.0402E-18	-0.25118	hypo	sig	chr6_36948347
chr22	39405517	39405517	+	2.914E-19	6.0444E-18	0.282264	hyper	sig	chr22_39405517
chr17	79138021	79138021	+	2.921E-19	6.0587E-18	0.263163	hyper	sig	chr17_79138021
chr21	26967751	26967751	+	2.923E-19	6.0617E-18	0.302249	hyper	sig	chr21_26967751
chr22	38239589	38239589	+	2.933E-19	6.0834E-18	0.272412	hyper	sig	chr22_38239589
chr19	4566538	4566538	+	2.934E-19	6.0843E-18	-0.32326	hypo	sig	chr19_4566538
chr7	1708879	1708879	+	2.936E-19	6.0886E-18	-0.32017	hypo	sig	chr7_1708879
chr9	1.35E+08	134917835	+	2.937E-19	6.0909E-18	-0.27916	hypo	sig	chr9_134917835
chr10	49397665	49397665	+	2.937E-19	6.0911E-18	0.31187	hyper	sig	chr10_49397665
chr19	54339139	54339139	+	2.937E-19	6.0911E-18	-0.33459	hypo	sig	chr19_54339139
chr9	41273921	41273921	+	2.939E-19	6.0946E-18	0.217969	hyper	sig	chr9_41273921
chr6	393188	393188	+	2.942E-19	6.0999E-18	0.265081	hyper	sig	chr6_393188
chr13	78596472	78596472	+	2.95E-19	6.1157E-18	0.423767	hyper	sig	chr13_78596472
chr15	79090693	79090693	+	2.951E-19	6.1176E-18	0.345187	hyper	sig	chr15_79090693
chr2	2.39E+08	239247152	+	2.951E-19	6.1192E-18	-0.25969	hypo	sig	chr2_239247152
chr16	1941360	1941360	+	2.954E-19	6.1233E-18	-0.25592	hypo	sig	chr16_1941360
chr6	28478698	28478698	+	2.954E-19	6.1234E-18	-0.27706	hypo	sig	chr6_28478698
chr7	1.5E+08	149765747	+	2.959E-19	6.1344E-18	0.329307	hyper	sig	chr7_149765747
chr12	81758639	81758639	+	2.959E-19	6.1347E-18	0.235212	hyper	sig	chr12_81758639
chr20	62740254	62740254	+	2.961E-19	6.1384E-18	-0.29578	hypo	sig	chr20_62740254
chr11	3223226	3223226	+	2.964E-19	6.1439E-18	-0.25415	hypo	sig	chr11_3223226
chr2	29921247	29921247	+	2.968E-19	6.1513E-18	0.310379	hyper	sig	chr2_29921247
chr7	27206187	27206187	+	2.968E-19	6.1519E-18	-0.30261	hypo	sig	chr7_27206187
chr20	21103779	21103779	+	2.968E-19	6.152E-18	0.297586	hyper	sig	chr20_21103779
chr7	47591704	47591704	+	2.968E-19	6.1521E-18	0.311782	hyper	sig	chr7_47591704
chr3	1.38E+08	137764934	+	2.972E-19	6.16E-18	0.232981	hyper	sig	chr3_137764934
chr12	80708774	80708774	+	2.976E-19	6.1682E-18	0.244443	hyper	sig	chr12_80708774
chr7	64877552	64877552	+	2.976E-19	6.1682E-18	0.336109	hyper	sig	chr7_64877552
chr7	8441437	8441437	+	2.982E-19	6.1795E-18	0.237413	hyper	sig	chr7_8441437
chr5	1.29E+08	128537828	+	2.983E-19	6.1822E-18	0.297442	hyper	sig	chr5_128537828
chr12	39145690	39145690	+	2.983E-19	6.1826E-18	0.255609	hyper	sig	chr12_39145690
chr7	19117562	19117562	+	2.985E-19	6.185E-18	0.288782	hyper	sig	chr7_19117562
chr1	1.57E+08	156897288	+	2.987E-19	6.1888E-18	-0.32499	hypo	sig	chr1_156897288
chr20	46020711	46020711	+	2.987E-19	6.1889E-18	-0.31768	hypo	sig	chr20_46020711
chr3	42936359	42936359	+	2.988E-19	6.1909E-18	0.242187	hyper	sig	chr3_42936359
chr6	1.37E+08	137045199	+	2.988E-19	6.192E-18	-0.25644	hypo	sig	chr6_137045199

chr19	35449960	35449960	+	2.991E-19	6.1969E-18	-0.2871	hypo	sig	chr19_35449960
chr11	637504	637504	+	2.997E-19	6.2097E-18	0.281229	hyper	sig	chr11_637504
chr7	97022792	97022792	+	2.998E-19	6.211E-18	0.264293	hyper	sig	chr7_97022792
chr4	86547472	86547472	+	3.004E-19	6.2229E-18	0.24626	hyper	sig	chr4_86547472
chr6	31545107	31545107	+	3.004E-19	6.2231E-18	-0.25743	hypo	sig	chr6_31545107
chr2	1.09E+08	109031547	+	3.004E-19	6.2241E-18	0.219677	hyper	sig	chr2_109031547
chr4	1.39E+08	139279504	+	3.008E-19	6.2318E-18	0.201911	hyper	sig	chr4_139279504
chr5	1.35E+08	135327146	+	3.008E-19	6.2322E-18	0.295284	hyper	sig	chr5_135327146
chr20	22569129	22569129	+	3.01E-19	6.2351E-18	0.356884	hyper	sig	chr20_22569129
chr7	561824	561824	+	3.01E-19	6.2351E-18	0.325548	hyper	sig	chr7_561824
chr2	200935	200935	+	3.012E-19	6.2395E-18	-0.21126	hypo	sig	chr2_200935
chr2	1.19E+08	118853021	+	3.018E-19	6.2506E-18	0.252485	hyper	sig	chr2_118853021
chr14	60641576	60641576	+	3.019E-19	6.2524E-18	0.350229	hyper	sig	chr14_60641576
chr20	41366934	41366934	+	3.021E-19	6.2565E-18	0.227987	hyper	sig	chr20_41366934
chr7	5478423	5478423	+	3.022E-19	6.2588E-18	0.334749	hyper	sig	chr7_5478423
chr8	1.08E+08	108082351	+	3.023E-19	6.2617E-18	0.262146	hyper	sig	chr8_108082351
chr22	50190644	50190644	+	3.024E-19	6.2627E-18	0.208926	hyper	sig	chr22_50190644
chr5	73444951	73444951	+	3.026E-19	6.266E-18	0.330638	hyper	sig	chr5_73444951
chr6	28988491	28988491	+	3.026E-19	6.266E-18	0.220226	hyper	sig	chr6_28988491
chr1	17424963	17424963	+	3.027E-19	6.2689E-18	0.245266	hyper	sig	chr1_17424963
chr15	99019742	99019742	+	3.027E-19	6.2689E-18	-0.37299	hypo	sig	chr15_99019742
chr15	96322086	96322086	+	3.028E-19	6.2707E-18	0.230816	hyper	sig	chr15_96322086
chr8	17002167	17002167	+	3.029E-19	6.2719E-18	0.224185	hyper	sig	chr8_17002167
chr5	34670067	34670067	+	3.029E-19	6.2723E-18	0.229328	hyper	sig	chr5_34670067
chr8	1.42E+08	142454264	+	3.029E-19	6.2726E-18	-0.29277	hypo	sig	chr8_142454264
chr1	1.9E+08	190475741	+	3.029E-19	6.2728E-18	0.209188	hyper	sig	chr1_190475741
chr1	50430579	50430579	+	3.033E-19	6.2792E-18	0.228483	hyper	sig	chr1_50430579
chr20	60087881	60087881	+	3.035E-19	6.2835E-18	0.252382	hyper	sig	chr20_60087881
chr9	93953510	93953510	+	3.037E-19	6.2884E-18	0.256919	hyper	sig	chr9_93953510
chr22	50017224	50017224	+	3.038E-19	6.2903E-18	-0.3131	hypo	sig	chr22_50017224
chr5	1.41E+08	141374161	+	3.038E-19	6.2903E-18	0.351142	hyper	sig	chr5_141374161
chr22	40679636	40679636	+	3.039E-19	6.2924E-18	0.324983	hyper	sig	chr22_40679636
chr13	26051169	26051169	+	3.04E-19	6.2924E-18	0.243556	hyper	sig	chr13_26051169
chr13	1.12E+08	111945238	+	3.04E-19	6.2924E-18	-0.23982	hypo	sig	chr13_111945238
chr1	47433512	47433512	+	3.047E-19	6.3064E-18	0.33226	hyper	sig	chr1_47433512
chr13	1.13E+08	112932196	+	3.047E-19	6.3067E-18	-0.24343	hypo	sig	chr13_112932196
chr19	44812458	44812458	+	3.048E-19	6.3082E-18	-0.30716	hypo	sig	chr19_44812458
chr2	2.32E+08	231927076	+	3.048E-19	6.3087E-18	0.306388	hyper	sig	chr2_231927076
chr22	30626911	30626911	+	3.05E-19	6.3121E-18	-0.33149	hypo	sig	chr22_30626911
chr3	1.2E+08	119810333	+	3.051E-19	6.315E-18	0.254755	hyper	sig	chr3_119810333
chr11	86951926	86951926	+	3.054E-19	6.3216E-18	0.230065	hyper	sig	chr11_86951926
chr1	1.57E+08	156657049	+	3.055E-19	6.323E-18	0.246836	hyper	sig	chr1_156657049
chr4	1337704	1337704	+	3.055E-19	6.323E-18	-0.25229	hypo	sig	chr4_1337704
chr7	27098303	27098303	+	3.056E-19	6.3243E-18	0.339011	hyper	sig	chr7_27098303
chr10	48607229	48607229	+	3.056E-19	6.3247E-18	-0.2896	hypo	sig	chr10_48607229
chr15	78756185	78756185	+	3.058E-19	6.3283E-18	0.229382	hyper	sig	chr15_78756185
chr10	1.23E+08	123134574	+	3.059E-19	6.3306E-18	0.228692	hyper	sig	chr10_123134574
chr13	43878262	43878262	+	3.061E-19	6.335E-18	-0.25296	hypo	sig	chr13_43878262
chr14	99118365	99118365	+	3.064E-19	6.3403E-18	0.273925	hyper	sig	chr14_99118365
chr6	10881808	10881808	+	3.064E-19	6.341E-18	0.315609	hyper	sig	chr6_10881808
chr8	33718931	33718931	+	3.066E-19	6.3441E-18	-0.3017	hypo	sig	chr8_33718931
chr11	20163654	20163654	+	3.067E-19	6.3453E-18	0.324878	hyper	sig	chr11_20163654
chr5	1.41E+08	140965928	+	3.067E-19	6.346E-18	0.211087	hyper	sig	chr5_140965928
chr13	25372632	25372632	+	3.068E-19	6.3474E-18	0.408637	hyper	sig	chr13_25372632
chr4	84501112	84501112	+	3.07E-19	6.3515E-18	0.255567	hyper	sig	chr4_84501112
chr19	5250473	5250473	+	3.071E-19	6.3545E-18	-0.29997	hypo	sig	chr19_5250473

chr8	1.01E+08	101078130	+	3.071E-19	6.3545E-18	-0.32576	hypo	sig	chr8_101078130
chr3	1.8E+08	180037352	+	3.073E-19	6.358E-18	0.324952	hyper	sig	chr3_180037352
chr4	72032076	72032076	+	3.073E-19	6.358E-18	0.309289	hyper	sig	chr4_72032076
chr6	1.6E+08	160091071	+	3.074E-19	6.3593E-18	-0.30437	hypo	sig	chr6_160091071
chr6	28825929	28825929	+	3.075E-19	6.3603E-18	0.230508	hyper	sig	chr6_28825929
chr22	19758771	19758771	+	3.076E-19	6.3622E-18	0.271228	hyper	sig	chr22_19758771
chr1	32464779	32464779	+	3.076E-19	6.3637E-18	0.219401	hyper	sig	chr1_32464779
chr2	1.61E+08	161417417	+	3.078E-19	6.3661E-18	0.272682	hyper	sig	chr2_161417417
chr4	7965706	7965706	+	3.078E-19	6.3666E-18	-0.27328	hypo	sig	chr4_7965706
chr13	64076034	64076034	+	3.079E-19	6.3687E-18	-0.27569	hypo	sig	chr13_64076034
chr17	46841828	46841828	+	3.081E-19	6.3729E-18	0.220525	hyper	sig	chr17_46841828
chr5	3602345	3602345	+	3.088E-19	6.3873E-18	0.308428	hyper	sig	chr5_3602345
chr2	1.19E+08	118843122	+	3.089E-19	6.3879E-18	0.243658	hyper	sig	chr2_118843122
chr12	1.14E+08	114408480	+	3.091E-19	6.3917E-18	0.317894	hyper	sig	chr12_114408480
chr2	2.39E+08	238967169	+	3.091E-19	6.3925E-18	-0.29484	hypo	sig	chr2_238967169
chr14	1.01E+08	101031869	+	3.096E-19	6.4016E-18	-0.30203	hypo	sig	chr14_101031869
chr1	2.43E+08	242523407	+	3.096E-19	6.4018E-18	0.317416	hyper	sig	chr1_242523407
chr10	1.32E+08	132203215	+	3.097E-19	6.4039E-18	-0.28934	hypo	sig	chr10_132203215
chr17	78974760	78974760	+	3.1E-19	6.4103E-18	0.295308	hyper	sig	chr17_78974760
chr3	1.39E+08	138960702	+	3.101E-19	6.4109E-18	0.238617	hyper	sig	chr3_138960702
chr7	1.59E+08	158586430	+	3.104E-19	6.4173E-18	0.32653	hyper	sig	chr7_158586430
chr15	83379556	83379556	+	3.105E-19	6.4188E-18	0.275723	hyper	sig	chr15_83379556
chr5	1.41E+08	141390027	+	3.108E-19	6.4252E-18	0.305079	hyper	sig	chr5_141390027
chr21	40842008	40842008	+	3.11E-19	6.4297E-18	0.237212	hyper	sig	chr21_40842008
chr14	41605759	41605759	+	3.11E-19	6.4304E-18	0.240177	hyper	sig	chr14_41605759
chr5	1.76E+08	175773534	+	3.112E-19	6.4338E-18	0.239744	hyper	sig	chr5_175773534
chr8	1.41E+08	140609281	+	3.117E-19	6.443E-18	0.355344	hyper	sig	chr8_140609281
chr8	52941596	52941596	+	3.117E-19	6.4431E-18	0.334831	hyper	sig	chr8_52941596
chr2	73203575	73203575	+	3.121E-19	6.4506E-18	0.232364	hyper	sig	chr2_73203575
chr2	1.28E+08	127631619	+	3.121E-19	6.4512E-18	0.261399	hyper	sig	chr2_127631619
chr20	63775039	63775039	+	3.122E-19	6.4528E-18	0.317065	hyper	sig	chr20_63775039
chr7	1.18E+08	118214641	+	3.124E-19	6.4564E-18	0.224744	hyper	sig	chr7_118214641
chr11	1930584	1930584	+	3.125E-19	6.458E-18	-0.27207	hypo	sig	chr11_1930584
chr2	24827984	24827984	+	3.125E-19	6.4586E-18	0.255766	hyper	sig	chr2_24827984
chr5	1.23E+08	123099945	+	3.128E-19	6.4655E-18	-0.27316	hypo	sig	chr5_123099945
chr7	1.59E+08	159144064	+	3.132E-19	6.4722E-18	0.325769	hyper	sig	chr7_159144064
chr7	6871580	6871580	+	3.132E-19	6.4725E-18	-0.26672	hypo	sig	chr7_6871580
chr8	37797952	37797952	+	3.132E-19	6.4729E-18	0.309965	hyper	sig	chr8_37797952
chr14	36514366	36514366	+	3.138E-19	6.4849E-18	0.248069	hyper	sig	chr14_36514366
chr10	26217822	26217822	+	3.138E-19	6.4855E-18	0.304189	hyper	sig	chr10_26217822
chr6	50843253	50843253	+	3.139E-19	6.4855E-18	0.283947	hyper	sig	chr6_50843253
chr19	840681	840681	+	3.142E-19	6.4921E-18	-0.31638	hypo	sig	chr19_840681
chr12	1.11E+08	111035831	+	3.143E-19	6.4944E-18	0.223553	hyper	sig	chr12_111035831
chr13	1.13E+08	113420032	+	3.143E-19	6.4948E-18	-0.36659	hypo	sig	chr13_113420032
chr12	1.25E+08	124501378	+	3.146E-19	6.5002E-18	0.216264	hyper	sig	chr12_124501378
chr8	1.42E+08	142464480	+	3.146E-19	6.5003E-18	0.340425	hyper	sig	chr8_142464480
chr7	1.51E+08	151390544	+	3.146E-19	6.5005E-18	-0.26686	hypo	sig	chr7_151390544
chr1	26863626	26863626	+	3.147E-19	6.5011E-18	-0.27843	hypo	sig	chr1_26863626
chr4	54104142	54104142	+	3.148E-19	6.503E-18	0.268553	hyper	sig	chr4_54104142
chr5	1885466	1885466	+	3.148E-19	6.5037E-18	0.287029	hyper	sig	chr5_1885466
chr8	1.44E+08	143937720	+	3.149E-19	6.5053E-18	-0.2595	hypo	sig	chr8_143937720
chr11	36448299	36448299	+	3.149E-19	6.5054E-18	-0.25562	hypo	sig	chr11_36448299
chr12	2120146	2120146	+	3.149E-19	6.5054E-18	0.26794	hyper	sig	chr12_2120146
chr12	1628869	1628869	+	3.149E-19	6.5054E-18	0.272954	hyper	sig	chr12_1628869
chr14	97219583	97219583	+	3.151E-19	6.5092E-18	0.228203	hyper	sig	chr14_97219583
chr20	24471169	24471169	+	3.152E-19	6.5116E-18	0.290664	hyper	sig	chr20_24471169

chr19	22052479	22052479	+	3.154E-19	6.5139E-18	0.259424	hyper	sig	chr19_22052479
chr10	23173186	23173186	+	3.154E-19	6.5143E-18	0.346829	hyper	sig	chr10_23173186
chr17	79185462	79185462	+	3.159E-19	6.5236E-18	-0.36349	hypo	sig	chr17_79185462
chr19	52585074	52585074	+	3.159E-19	6.5244E-18	0.258695	hyper	sig	chr19_52585074
chr1	90718576	90718576	+	3.163E-19	6.5321E-18	0.239862	hyper	sig	chr1_90718576
chr12	1.14E+08	114401081	+	3.165E-19	6.5373E-18	0.267214	hyper	sig	chr12_114401081
chr10	1.18E+08	117735025	+	3.166E-19	6.5386E-18	0.241984	hyper	sig	chr10_117735025
chr5	50969862	50969862	+	3.167E-19	6.5396E-18	0.261072	hyper	sig	chr5_50969862
chr7	56229871	56229871	+	3.17E-19	6.5458E-18	0.324723	hyper	sig	chr7_56229871
chr15	45116648	45116648	+	3.172E-19	6.5496E-18	0.283251	hyper	sig	chr15_45116648
chr16	3018063	3018063	+	3.178E-19	6.5613E-18	0.25427	hyper	sig	chr16_3018063
chr19	56642921	56642921	+	3.18E-19	6.5653E-18	0.389648	hyper	sig	chr19_56642921
chr7	1.55E+08	155452042	+	3.181E-19	6.5672E-18	0.261524	hyper	sig	chr7_155452042
chr22	20205028	20205028	+	3.183E-19	6.5711E-18	0.309001	hyper	sig	chr22_20205028
chr2	1.35E+08	134717858	+	3.183E-19	6.5718E-18	0.344118	hyper	sig	chr2_134717858
chr16	83935242	83935242	+	3.183E-19	6.5726E-18	-0.35452	hypo	sig	chr16_83935242
chr8	20249063	20249063	+	3.184E-19	6.5741E-18	-0.31782	hypo	sig	chr8_20249063
chr5	1.16E+08	115962290	+	3.188E-19	6.5811E-18	0.371173	hyper	sig	chr5_115962290
chr19	40513341	40513341	+	3.189E-19	6.5829E-18	0.481246	hyper	sig	chr19_40513341
chr2	1663632	1663632	+	3.196E-19	6.5981E-18	-0.24098	hypo	sig	chr2_1663632
chr22	29313371	29313371	+	3.196E-19	6.5981E-18	0.2332	hyper	sig	chr22_29313371
chr15	23416796	23416796	+	3.197E-19	6.5985E-18	-0.25699	hypo	sig	chr15_23416796
chr7	96997840	96997840	+	3.197E-19	6.5985E-18	0.32938	hyper	sig	chr7_96997840
chr5	73301172	73301172	+	3.199E-19	6.6024E-18	0.240233	hyper	sig	chr5_73301172
chr8	1496458	1496458	+	3.2E-19	6.6059E-18	-0.28864	hypo	sig	chr8_1496458
chr3	1.26E+08	126394705	+	3.201E-19	6.6072E-18	0.259998	hyper	sig	chr3_126394705
chr19	345349	345349	+	3.202E-19	6.6089E-18	0.332573	hyper	sig	chr19_345349
chr17	42784488	42784488	+	3.204E-19	6.6136E-18	0.270212	hyper	sig	chr17_42784488
chr11	62690205	62690205	+	3.207E-19	6.6184E-18	0.206183	hyper	sig	chr11_62690205
chr11	1343805	1343805	+	3.208E-19	6.6195E-18	-0.295	hypo	sig	chr11_1343805
chr22	29480943	29480943	+	3.208E-19	6.62E-18	0.352162	hyper	sig	chr22_29480943
chr19	3964896	3964896	+	3.209E-19	6.6223E-18	0.21228	hyper	sig	chr19_3964896
chr1	2.08E+08	207910782	+	3.21E-19	6.6231E-18	0.313305	hyper	sig	chr1_207910782
chr6	10422460	10422460	+	3.216E-19	6.6354E-18	0.321888	hyper	sig	chr6_10422460
chr6	30127642	30127642	+	3.218E-19	6.6394E-18	0.258068	hyper	sig	chr6_30127642
chr7	1.01E+08	100721028	+	3.22E-19	6.6433E-18	0.218583	hyper	sig	chr7_100721028
chr16	1281657	1281657	+	3.22E-19	6.6444E-18	-0.28767	hypo	sig	chr16_1281657
chr12	75207931	75207931	+	3.226E-19	6.6557E-18	0.272837	hyper	sig	chr12_75207931
chr7	2721058	2721058	+	3.227E-19	6.6569E-18	-0.23413	hypo	sig	chr7_2721058
chr10	49397128	49397128	+	3.228E-19	6.6587E-18	0.279569	hyper	sig	chr10_49397128
chr10	1.33E+08	133022707	+	3.23E-19	6.6628E-18	-0.27792	hypo	sig	chr10_133022707
chr2	88766016	88766016	+	3.231E-19	6.6646E-18	0.299748	hyper	sig	chr2_88766016
chr7	2105132	2105132	+	3.231E-19	6.6658E-18	0.264536	hyper	sig	chr7_2105132
chr7	8443247	8443247	+	3.234E-19	6.671E-18	0.387878	hyper	sig	chr7_8443247
chr22	46085011	46085011	+	3.234E-19	6.6711E-18	-0.27984	hypo	sig	chr22_46085011
chr12	1.25E+08	124501982	+	3.241E-19	6.6847E-18	0.32	hyper	sig	chr12_124501982
chr1	1.47E+08	147079289	+	3.242E-19	6.6873E-18	0.307493	hyper	sig	chr1_147079289
chr18	28177528	28177528	+	3.244E-19	6.6902E-18	0.209456	hyper	sig	chr18_28177528
chr9	74498154	74498154	+	3.245E-19	6.6931E-18	0.269662	hyper	sig	chr9_74498154
chr16	70451136	70451136	+	3.246E-19	6.6955E-18	0.30715	hyper	sig	chr16_70451136
chr8	1.01E+08	101494435	+	3.247E-19	6.6959E-18	-0.27693	hypo	sig	chr8_101494435
chr9	1.24E+08	124015379	+	3.247E-19	6.6967E-18	0.275744	hyper	sig	chr9_124015379
chr5	63961186	63961186	+	3.248E-19	6.6987E-18	0.384501	hyper	sig	chr5_63961186
chr9	1.14E+08	113873501	+	3.248E-19	6.699E-18	-0.20657	hypo	sig	chr9_113873501
chr16	55656573	55656573	+	3.249E-19	6.6994E-18	0.222581	hyper	sig	chr16_55656573
chr7	1.5E+08	150047457	+	3.26E-19	6.7226E-18	0.307004	hyper	sig	chr7_150047457

chr1	1.21E+08	121118392	+	3.262E-19	6.7266E-18	0.244788	hyper	sig	chr1_121118392
chr17	2071979	2071979	+	3.265E-19	6.7319E-18	0.312441	hyper	sig	chr17_2071979
chr5	1.41E+08	141224804	+	3.268E-19	6.7373E-18	0.316392	hyper	sig	chr5_141224804
chr10	1.33E+08	133158118	+	3.268E-19	6.7383E-18	-0.31189	hypo	sig	chr10_133158118
chr2	1.87E+08	186849224	+	3.27E-19	6.7414E-18	0.20833	hyper	sig	chr2_186849224
chr1	1.44E+08	143905617	+	3.271E-19	6.7436E-18	0.298297	hyper	sig	chr1_143905617
chr19	54573551	54573551	+	3.271E-19	6.7436E-18	-0.30585	hypo	sig	chr19_54573551
chr19	48966680	48966680	+	3.273E-19	6.7471E-18	-0.29476	hypo	sig	chr19_48966680
chr7	1235890	1235890	+	3.276E-19	6.7525E-18	0.35899	hyper	sig	chr7_1235890
chr1	1.55E+08	155320445	+	3.277E-19	6.7554E-18	0.218579	hyper	sig	chr1_155320445
chr9	98944393	98944393	+	3.283E-19	6.7663E-18	0.24977	hyper	sig	chr9_98944393
chr7	25123966	25123966	+	3.285E-19	6.7721E-18	-0.27803	hypo	sig	chr7_25123966
chr4	1.84E+08	184453612	+	3.288E-19	6.778E-18	0.228578	hyper	sig	chr4_184453612
chr2	1E+08	100417817	+	3.29E-19	6.7811E-18	0.25639	hyper	sig	chr2_100417817
chr18	78313412	78313412	+	3.292E-19	6.7843E-18	-0.21028	hypo	sig	chr18_78313412
chr1	2.28E+08	227944321	+	3.293E-19	6.787E-18	0.334362	hyper	sig	chr1_227944321
chr2	73203246	73203246	+	3.293E-19	6.787E-18	0.377527	hyper	sig	chr2_73203246
chr7	118890	118890	+	3.296E-19	6.7933E-18	-0.2722	hypo	sig	chr7_118890
chr17	48552387	48552387	+	3.297E-19	6.7944E-18	0.34535	hyper	sig	chr17_48552387
chr12	1.07E+08	106581362	+	3.303E-19	6.8055E-18	0.220261	hyper	sig	chr12_106581362
chr18	58047127	58047127	+	3.303E-19	6.8073E-18	0.224443	hyper	sig	chr18_58047127
chr13	25097366	25097366	+	3.309E-19	6.8187E-18	-0.22105	hypo	sig	chr13_25097366
chr8	10733144	10733144	+	3.311E-19	6.8233E-18	0.236497	hyper	sig	chr8_10733144
chr1	27492549	27492549	+	3.316E-19	6.8318E-18	0.263831	hyper	sig	chr1_27492549
chr12	57632259	57632259	+	3.317E-19	6.8349E-18	0.306834	hyper	sig	chr12_57632259
chr20	46010843	46010843	+	3.321E-19	6.8432E-18	0.299826	hyper	sig	chr20_46010843
chr13	1.14E+08	114004702	+	3.324E-19	6.8483E-18	-0.2205	hypo	sig	chr13_114004702
chr2	2.39E+08	239260235	+	3.324E-19	6.849E-18	-0.24583	hypo	sig	chr2_239260235
chr1	1.08E+08	107965898	+	3.325E-19	6.8492E-18	0.234984	hyper	sig	chr1_107965898
chr7	1.57E+08	157096560	+	3.328E-19	6.8564E-18	0.24852	hyper	sig	chr7_157096560
chr16	86498740	86498740	+	3.329E-19	6.8587E-18	0.319013	hyper	sig	chr16_86498740
chr2	3606884	3606884	+	3.33E-19	6.8599E-18	0.26623	hyper	sig	chr2_3606884
chr5	1.41E+08	141421237	+	3.332E-19	6.8645E-18	0.303214	hyper	sig	chr5_141421237
chr12	1.11E+08	111035903	+	3.335E-19	6.8703E-18	0.226185	hyper	sig	chr12_111035903
chr3	1.43E+08	142964405	+	3.335E-19	6.8703E-18	0.338135	hyper	sig	chr3_142964405
chr2	31137898	31137898	+	3.336E-19	6.8708E-18	0.236356	hyper	sig	chr2_31137898
chr7	1645105	1645105	+	3.337E-19	6.8742E-18	-0.35048	hypo	sig	chr7_1645105
chr12	40692998	40692998	+	3.338E-19	6.8745E-18	0.284537	hyper	sig	chr12_40692998
chr1	1.47E+08	147079184	+	3.34E-19	6.8787E-18	0.479783	hyper	sig	chr1_147079184
chr4	43410364	43410364	+	3.341E-19	6.8805E-18	-0.31637	hypo	sig	chr4_43410364
chr8	48735574	48735574	+	3.343E-19	6.8849E-18	0.263078	hyper	sig	chr8_48735574
chr7	74183347	74183347	+	3.346E-19	6.8908E-18	0.250826	hyper	sig	chr7_74183347
chr3	1.34E+08	134351052	+	3.347E-19	6.8928E-18	-0.26104	hypo	sig	chr3_134351052
chr19	37251839	37251839	+	3.348E-19	6.8937E-18	0.304972	hyper	sig	chr19_37251839
chr7	1.5E+08	149714192	+	3.35E-19	6.8986E-18	0.392802	hyper	sig	chr7_149714192
chr4	4858233	4858233	+	3.35E-19	6.8987E-18	0.305192	hyper	sig	chr4_4858233
chr5	38557460	38557460	+	3.357E-19	6.9127E-18	0.214725	hyper	sig	chr5_38557460
chr1	16226879	16226879	+	3.361E-19	6.9206E-18	0.28795	hyper	sig	chr1_16226879
chr4	1.47E+08	146637279	+	3.361E-19	6.9206E-18	0.349506	hyper	sig	chr4_146637279
chr11	1.29E+08	128694317	+	3.361E-19	6.9206E-18	0.416268	hyper	sig	chr11_128694317
chr2	1170510	1170510	+	3.363E-19	6.9243E-18	-0.293	hypo	sig	chr2_1170510
chr9	1.36E+08	136362004	+	3.365E-19	6.9284E-18	0.298947	hyper	sig	chr9_136362004
chr1	46467098	46467098	+	3.366E-19	6.9304E-18	0.224267	hyper	sig	chr1_46467098
chr7	93575150	93575150	+	3.366E-19	6.9304E-18	0.22235	hyper	sig	chr7_93575150
chr3	1.98E+08	197520880	+	3.368E-19	6.9335E-18	-0.32304	hypo	sig	chr3_197520880
chr5	37834748	37834748	+	3.37E-19	6.9375E-18	0.250035	hyper	sig	chr5_37834748

chr1	50427970	50427970	+	3.374E-19	6.945E-18	0.215495	hyper	sig	chr1_50427970
chr8	26048565	26048565	+	3.38E-19	6.9586E-18	0.276352	hyper	sig	chr8_26048565
chr9	1.31E+08	130662873	+	3.382E-19	6.9626E-18	0.243838	hyper	sig	chr9_130662873
chr2	97723995	97723995	+	3.384E-19	6.9658E-18	0.239757	hyper	sig	chr2_97723995
chr11	66971287	66971287	+	3.385E-19	6.9675E-18	-0.27391	hypo	sig	chr11_66971287
chr13	93228693	93228693	+	3.385E-19	6.9679E-18	0.262524	hyper	sig	chr13_93228693
chr5	1.77E+08	177302011	+	3.39E-19	6.9768E-18	-0.28015	hypo	sig	chr5_177302011
chr4	1.11E+08	110614369	+	3.395E-19	6.9874E-18	0.354666	hyper	sig	chr4_110614369
chr14	1.01E+08	101025618	+	3.395E-19	6.9876E-18	-0.26888	hypo	sig	chr14_101025618
chr3	1.47E+08	147422510	+	3.396E-19	6.9892E-18	0.282486	hyper	sig	chr3_147422510
chr21	46661774	46661774	+	3.397E-19	6.991E-18	0.31723	hyper	sig	chr21_46661774
chr2	2.19E+08	219418479	+	3.4E-19	6.9976E-18	0.269983	hyper	sig	chr2_219418479
chr6	99606839	99606839	+	3.401E-19	6.9988E-18	0.23344	hyper	sig	chr6_99606839
chr7	56448616	56448616	+	3.401E-19	6.9997E-18	0.253343	hyper	sig	chr7_56448616
chr7	44219136	44219136	+	3.404E-19	7.0059E-18	-0.25834	hypo	sig	chr7_44219136
chr3	1.95E+08	194688068	+	3.406E-19	7.008E-18	0.288097	hyper	sig	chr3_194688068
chr3	62319461	62319461	+	3.407E-19	7.0098E-18	0.236791	hyper	sig	chr3_62319461
chr10	1.05E+08	104642761	+	3.408E-19	7.0131E-18	0.238083	hyper	sig	chr10_104642761
chr14	28774383	28774383	+	3.41E-19	7.0162E-18	0.220344	hyper	sig	chr14_28774383
chr5	1.41E+08	141156559	+	3.41E-19	7.0168E-18	0.307712	hyper	sig	chr5_141156559
chr8	64575730	64575730	+	3.41E-19	7.017E-18	0.242753	hyper	sig	chr8_64575730
chr13	20177173	20177173	+	3.411E-19	7.0182E-18	0.274545	hyper	sig	chr13_20177173
chr11	94401145	94401145	+	3.411E-19	7.0185E-18	0.301596	hyper	sig	chr11_94401145
chr10	1.33E+08	133095100	+	3.412E-19	7.0198E-18	-0.24966	hypo	sig	chr10_133095100
chr5	1.77E+08	177116961	+	3.421E-19	7.0392E-18	0.238778	hyper	sig	chr5_177116961
chr5	481543	481543	+	3.422E-19	7.0398E-18	-0.26215	hypo	sig	chr5_481543
chr19	15281164	15281164	+	3.422E-19	7.0408E-18	0.268423	hyper	sig	chr19_15281164
chr8	71558802	71558802	+	3.424E-19	7.044E-18	0.260094	hyper	sig	chr8_71558802
chr12	56021487	56021487	+	3.43E-19	7.0558E-18	0.337777	hyper	sig	chr12_56021487
chr3	58587219	58587219	+	3.435E-19	7.0661E-18	0.312341	hyper	sig	chr3_58587219
chr2	1.42E+08	142130181	+	3.437E-19	7.0696E-18	0.288931	hyper	sig	chr2_142130181
chr12	2311635	2311635	+	3.438E-19	7.0724E-18	0.286485	hyper	sig	chr12_2311635
chr10	50674936	50674936	+	3.444E-19	7.083E-18	-0.29358	hypo	sig	chr10_50674936
chr11	33656065	33656065	+	3.446E-19	7.0875E-18	-0.30613	hypo	sig	chr11_33656065
chr17	77282071	77282071	+	3.447E-19	7.0905E-18	-0.26509	hypo	sig	chr17_77282071
chr16	85449204	85449204	+	3.45E-19	7.0956E-18	-0.22625	hypo	sig	chr16_85449204
chr10	1.32E+08	132290438	+	3.452E-19	7.0992E-18	-0.23784	hypo	sig	chr10_132290438
chr5	5302106	5302106	+	3.452E-19	7.0998E-18	-0.32152	hypo	sig	chr5_5302106
chr14	93953392	93953392	+	3.456E-19	7.1083E-18	0.304587	hyper	sig	chr14_93953392
chr2	2.22E+08	221570526	+	3.457E-19	7.1088E-18	0.264537	hyper	sig	chr2_221570526
chr1	18632830	18632830	+	3.457E-19	7.1092E-18	0.283234	hyper	sig	chr1_18632830
chr15	32344104	32344104	+	3.46E-19	7.1157E-18	-0.30544	hypo	sig	chr15_32344104
chr9	95041768	95041768	+	3.464E-19	7.1232E-18	-0.29703	hypo	sig	chr9_95041768
chr7	44141052	44141052	+	3.466E-19	7.1272E-18	-0.33464	hypo	sig	chr7_44141052
chr8	39314578	39314578	+	3.471E-19	7.1367E-18	0.292221	hyper	sig	chr8_39314578
chr5	77785405	77785405	+	3.471E-19	7.1377E-18	-0.23334	hypo	sig	chr5_77785405
chr8	10731566	10731566	+	3.473E-19	7.1414E-18	0.275745	hyper	sig	chr8_10731566
chr21	38804646	38804646	+	3.474E-19	7.1422E-18	-0.29287	hypo	sig	chr21_38804646
chr10	1.33E+08	132785012	+	3.475E-19	7.1442E-18	0.365116	hyper	sig	chr10_132785012
chr7	88759681	88759681	+	3.477E-19	7.1493E-18	0.275382	hyper	sig	chr7_88759681
chr20	62063618	62063618	+	3.48E-19	7.1541E-18	0.311571	hyper	sig	chr20_62063618
chr7	4107642	4107642	+	3.486E-19	7.1671E-18	-0.22609	hypo	sig	chr7_4107642
chr15	70487009	70487009	+	3.486E-19	7.1671E-18	-0.30695	hypo	sig	chr15_70487009
chr4	1.09E+08	109302674	+	3.487E-19	7.1675E-18	0.293475	hyper	sig	chr4_109302674
chr19	50695669	50695669	+	3.487E-19	7.1678E-18	0.271533	hyper	sig	chr19_50695669
chr6	1.7E+08	170265791	+	3.491E-19	7.1757E-18	-0.25795	hypo	sig	chr6_170265791

chr11	1.25E+08	124748484	+	3.494E-19	7.1813E-18	0.297122	hyper	sig	chr11_124748484
chr15	28832181	28832181	+	3.497E-19	7.1872E-18	0.268787	hyper	sig	chr15_28832181
chr8	1.43E+08	142510460	+	3.497E-19	7.1873E-18	0.299364	hyper	sig	chr8_142510460
chr3	58440131	58440131	+	3.501E-19	7.1955E-18	-0.26541	hypo	sig	chr3_58440131
chr3	1.22E+08	122184717	+	3.501E-19	7.1956E-18	0.280552	hyper	sig	chr3_122184717
chr7	1226036	1226036	+	3.501E-19	7.1956E-18	0.295318	hyper	sig	chr7_1226036
chr2	44932519	44932519	+	3.503E-19	7.1996E-18	0.267654	hyper	sig	chr2_44932519
chr1	1.58E+08	158008804	+	3.508E-19	7.2088E-18	0.246545	hyper	sig	chr1_158008804
chr16	31568511	31568511	+	3.509E-19	7.2109E-18	0.246153	hyper	sig	chr16_31568511
chr7	665894	665894	+	3.51E-19	7.2123E-18	0.388181	hyper	sig	chr7_665894
chr17	21373508	21373508	+	3.512E-19	7.2158E-18	-0.27546	hypo	sig	chr17_21373508
chr19	56671610	56671610	+	3.512E-19	7.2163E-18	0.318373	hyper	sig	chr19_56671610
chr17	34156919	34156919	+	3.514E-19	7.2205E-18	0.219461	hyper	sig	chr17_34156919
chr16	86513373	86513373	+	3.516E-19	7.2241E-18	0.340679	hyper	sig	chr16_86513373
chr6	98835930	98835930	+	3.518E-19	7.2275E-18	0.274937	hyper	sig	chr6_98835930
chr15	79283059	79283059	+	3.522E-19	7.2349E-18	0.280876	hyper	sig	chr15_79283059
chr21	26967769	26967769	+	3.522E-19	7.2353E-18	0.2079	hyper	sig	chr21_26967769
chr7	568869	568869	+	3.524E-19	7.239E-18	0.293767	hyper	sig	chr7_568869
chr19	6271745	6271745	+	3.524E-19	7.2391E-18	0.32533	hyper	sig	chr19_6271745
chr1	1.61E+08	161472887	+	3.524E-19	7.2397E-18	-0.30028	hypo	sig	chr1_161472887
chr17	2892506	2892506	+	3.524E-19	7.2397E-18	-0.25874	hypo	sig	chr17_2892506
chr10	51075358	51075358	+	3.527E-19	7.2455E-18	0.212736	hyper	sig	chr10_51075358
chr20	58905428	58905428	+	3.533E-19	7.2568E-18	0.232533	hyper	sig	chr20_58905428
chr19	827853	827853	+	3.538E-19	7.2664E-18	-0.25282	hypo	sig	chr19_827853
chr5	3591561	3591561	+	3.541E-19	7.2728E-18	0.315596	hyper	sig	chr5_3591561
chr16	53542403	53542403	+	3.544E-19	7.2783E-18	-0.29648	hypo	sig	chr16_53542403
chr18	57428343	57428343	+	3.547E-19	7.2846E-18	0.349948	hyper	sig	chr18_57428343
chr5	1.78E+08	178154612	+	3.547E-19	7.2846E-18	-0.25968	hypo	sig	chr5_178154612
chr16	80938341	80938341	+	3.547E-19	7.2853E-18	0.267857	hyper	sig	chr16_80938341
chr7	1.58E+08	158238009	+	3.55E-19	7.2898E-18	-0.32235	hypo	sig	chr7_158238009
chr17	42686931	42686931	+	3.554E-19	7.2985E-18	0.287027	hyper	sig	chr17_42686931
chr5	1.71E+08	171308341	+	3.556E-19	7.3018E-18	0.277936	hyper	sig	chr5_171308341
chr1	39076280	39076280	+	3.557E-19	7.3049E-18	-0.35432	hypo	sig	chr1_39076280
chr6	31728457	31728457	+	3.56E-19	7.3107E-18	0.362102	hyper	sig	chr6_31728457
chr11	65184563	65184563	+	3.569E-19	7.3276E-18	0.279123	hyper	sig	chr11_65184563
chr1	1.47E+08	147081018	+	3.572E-19	7.3347E-18	0.232034	hyper	sig	chr1_147081018
chr6	1.08E+08	108114996	+	3.575E-19	7.3397E-18	0.255751	hyper	sig	chr6_108114996
chr6	86939878	86939878	+	3.577E-19	7.3436E-18	-0.25103	hypo	sig	chr6_86939878
chr1	1.82E+08	182057328	+	3.577E-19	7.3444E-18	0.299566	hyper	sig	chr1_182057328
chr13	36432237	36432237	+	3.577E-19	7.3445E-18	0.254367	hyper	sig	chr13_36432237
chr9	1.37E+08	136994698	+	3.579E-19	7.3474E-18	0.283465	hyper	sig	chr9_136994698
chr5	1.78E+08	177984732	+	3.579E-19	7.348E-18	0.246887	hyper	sig	chr5_177984732
chr1	1.56E+08	156076642	+	3.581E-19	7.352E-18	0.333851	hyper	sig	chr1_156076642
chr5	1.73E+08	173233119	+	3.585E-19	7.3598E-18	0.208057	hyper	sig	chr5_173233119
chr19	51719221	51719221	+	3.587E-19	7.3641E-18	0.31049	hyper	sig	chr19_51719221
chr15	73751088	73751088	+	3.59E-19	7.3696E-18	-0.30779	hypo	sig	chr15_73751088
chr12	46831216	46831216	+	3.59E-19	7.3696E-18	0.313431	hyper	sig	chr12_46831216
chr22	19892135	19892135	+	3.599E-19	7.3871E-18	-0.27492	hypo	sig	chr22_19892135
chr1	1.14E+08	114154312	+	3.599E-19	7.388E-18	0.205906	hyper	sig	chr1_114154312
chr13	24746653	24746653	+	3.6E-19	7.3888E-18	0.319622	hyper	sig	chr13_24746653
chr6	33829252	33829252	+	3.603E-19	7.3946E-18	0.32726	hyper	sig	chr6_33829252
chr15	82662865	82662865	+	3.606E-19	7.4015E-18	-0.27957	hypo	sig	chr15_82662865
chr11	69449911	69449911	+	3.609E-19	7.4062E-18	-0.29077	hypo	sig	chr11_69449911
chr12	53960823	53960823	+	3.609E-19	7.4062E-18	0.259044	hyper	sig	chr12_53960823
chr4	1.74E+08	173519500	+	3.611E-19	7.4103E-18	0.29126	hyper	sig	chr4_173519500
chr7	1.58E+08	157751222	+	3.615E-19	7.4193E-18	-0.31786	hypo	sig	chr7_157751222

chr13	1.12E+08	112053514	+	3.617E-19	7.4221E-18	0.313919	hyper	sig	chr13_112053514
chr16	66948674	66948674	+	3.619E-19	7.4274E-18	0.221944	hyper	sig	chr16_66948674
chr5	1.41E+08	141399669	+	3.623E-19	7.4343E-18	0.302372	hyper	sig	chr5_141399669
chr7	70596603	70596603	+	3.625E-19	7.4387E-18	-0.21457	hypo	sig	chr7_70596603
chr22	30634866	30634866	+	3.627E-19	7.4416E-18	-0.26317	hypo	sig	chr22_30634866
chr13	87674616	87674616	+	3.63E-19	7.4483E-18	0.291136	hyper	sig	chr13_87674616
chr16	31042620	31042620	+	3.63E-19	7.4483E-18	0.339982	hyper	sig	chr16_31042620
chr16	84236780	84236780	+	3.632E-19	7.452E-18	-0.32642	hypo	sig	chr16_84236780
chr12	1.14E+08	114414292	+	3.637E-19	7.4618E-18	0.246833	hyper	sig	chr12_114414292
chr6	49713522	49713522	+	3.637E-19	7.462E-18	0.262354	hyper	sig	chr6_49713522
chr10	1.01E+08	101228673	+	3.638E-19	7.4634E-18	0.232738	hyper	sig	chr10_101228673
chr13	57629740	57629740	+	3.639E-19	7.4665E-18	0.355586	hyper	sig	chr13_57629740
chr22	17370754	17370754	+	3.647E-19	7.4806E-18	0.268359	hyper	sig	chr22_17370754
chr2	469781	469781	+	3.647E-19	7.4813E-18	-0.23137	hypo	sig	chr2_469781
chr5	1100320	1100320	+	3.66E-19	7.5063E-18	0.335975	hyper	sig	chr5_1100320
chr7	1.5E+08	150048941	+	3.665E-19	7.5172E-18	0.255012	hyper	sig	chr7_150048941
chr12	52116175	52116175	+	3.665E-19	7.5177E-18	-0.24456	hypo	sig	chr12_52116175
chr13	52847503	52847503	+	3.667E-19	7.5219E-18	0.28588	hyper	sig	chr13_52847503
chr18	14747673	14747673	+	3.67E-19	7.5273E-18	0.362649	hyper	sig	chr18_14747673
chr7	1.56E+08	155803628	+	3.672E-19	7.5299E-18	0.287613	hyper	sig	chr7_155803628
chr12	53938261	53938261	+	3.673E-19	7.533E-18	0.279641	hyper	sig	chr12_53938261
chr1	1.53E+08	152760707	+	3.675E-19	7.5361E-18	-0.22515	hypo	sig	chr1_152760707
chr1	35560792	35560792	+	3.679E-19	7.5444E-18	0.220671	hyper	sig	chr1_35560792
chr11	22432714	22432714	+	3.68E-19	7.5462E-18	0.213544	hyper	sig	chr11_22432714
chr2	1.54E+08	153871747	+	3.682E-19	7.5494E-18	0.352089	hyper	sig	chr2_153871747
chr5	1.17E+08	116576597	+	3.685E-19	7.556E-18	0.262992	hyper	sig	chr5_116576597
chr1	38476264	38476264	+	3.686E-19	7.5575E-18	0.307756	hyper	sig	chr1_38476264
chr1	3111774	3111774	+	3.687E-19	7.5602E-18	0.285466	hyper	sig	chr1_3111774
chr15	59994942	59994942	+	3.691E-19	7.5672E-18	0.267254	hyper	sig	chr15_59994942
chr1	6225047	6225047	+	3.693E-19	7.5721E-18	-0.22764	hypo	sig	chr1_6225047
chr13	34943504	34943504	+	3.694E-19	7.5743E-18	0.217695	hyper	sig	chr13_34943504
chr16	3183981	3183981	+	3.694E-19	7.5743E-18	0.348175	hyper	sig	chr16_3183981
chr16	75000765	75000765	+	3.696E-19	7.5773E-18	0.29313	hyper	sig	chr16_75000765
chr3	1.39E+08	138939456	+	3.699E-19	7.5837E-18	0.211282	hyper	sig	chr3_138939456
chr17	83048621	83048621	+	3.705E-19	7.5948E-18	-0.23139	hypo	sig	chr17_83048621
chr1	24321715	24321715	+	3.705E-19	7.5954E-18	-0.3445	hypo	sig	chr1_24321715
chr19	4338927	4338927	+	3.713E-19	7.6109E-18	-0.30473	hypo	sig	chr19_4338927
chr18	57441119	57441119	+	3.713E-19	7.6111E-18	0.22154	hyper	sig	chr18_57441119
chr17	36946124	36946124	+	3.715E-19	7.6147E-18	0.2191	hyper	sig	chr17_36946124
chr6	1.06E+08	105981796	+	3.717E-19	7.6199E-18	0.269536	hyper	sig	chr6_105981796
chr7	1.07E+08	106868415	+	3.72E-19	7.6246E-18	-0.23085	hypo	sig	chr7_106868415
chr1	1.47E+08	147080140	+	3.721E-19	7.6271E-18	0.299079	hyper	sig	chr1_147080140
chr13	1.14E+08	114121711	+	3.721E-19	7.6276E-18	-0.29506	hypo	sig	chr13_114121711
chr7	175768	175768	+	3.722E-19	7.6294E-18	-0.36283	hypo	sig	chr7_175768
chr16	69351644	69351644	+	3.725E-19	7.6355E-18	-0.24105	hypo	sig	chr16_69351644
chr1	66752314	66752314	+	3.729E-19	7.6415E-18	0.253228	hyper	sig	chr1_66752314
chr7	27122715	27122715	+	3.729E-19	7.6415E-18	-0.30316	hypo	sig	chr7_27122715
chr20	4815037	4815037	+	3.73E-19	7.6448E-18	-0.28657	hypo	sig	chr20_4815037
chr6	1.7E+08	170141948	+	3.737E-19	7.6576E-18	-0.24153	hypo	sig	chr6_170141948
chr7	27102450	27102450	+	3.737E-19	7.6576E-18	0.349039	hyper	sig	chr7_27102450
chr10	15719551	15719551	+	3.739E-19	7.6624E-18	0.275362	hyper	sig	chr10_15719551
chr3	1.77E+08	177359424	+	3.739E-19	7.6624E-18	-0.27454	hypo	sig	chr3_177359424
chr10	1.01E+08	100659801	+	3.743E-19	7.6705E-18	0.2282	hyper	sig	chr10_100659801
chr6	1.7E+08	170096729	+	3.744E-19	7.6713E-18	0.305752	hyper	sig	chr6_170096729
chr2	88284038	88284038	+	3.746E-19	7.6752E-18	0.302975	hyper	sig	chr2_88284038
chr12	1.23E+08	122716825	+	3.75E-19	7.6828E-18	-0.31485	hypo	sig	chr12_122716825

chr4	41867431	41867431	+	3.753E-19	7.6891E-18	0.278455	hyper	sig	chr4_41867431
chr5	37837864	37837864	+	3.753E-19	7.6894E-18	0.255757	hyper	sig	chr5_37837864
chr9	1042207	1042207	+	3.754E-19	7.6907E-18	0.270537	hyper	sig	chr9_1042207
chr17	48725526	48725526	+	3.757E-19	7.6961E-18	0.235693	hyper	sig	chr17_48725526
chr10	3330823	3330823	+	3.757E-19	7.6967E-18	-0.36014	hypo	sig	chr10_3330823
chr20	63534273	63534273	+	3.758E-19	7.6985E-18	0.295146	hyper	sig	chr20_63534273
chr7	1.54E+08	153887329	+	3.761E-19	7.7047E-18	0.323271	hyper	sig	chr7_153887329
chr12	4909653	4909653	+	3.764E-19	7.7109E-18	0.28853	hyper	sig	chr12_4909653
chr11	17718883	17718883	+	3.765E-19	7.7133E-18	0.252459	hyper	sig	chr11_17718883
chr7	1.18E+08	118214607	+	3.767E-19	7.7156E-18	0.210885	hyper	sig	chr7_118214607
chr6	1.37E+08	137497218	+	3.769E-19	7.7206E-18	0.282835	hyper	sig	chr6_137497218
chr8	1.44E+08	143974082	+	3.771E-19	7.7249E-18	0.290943	hyper	sig	chr8_143974082
chr7	1.51E+08	151254410	+	3.773E-19	7.7283E-18	-0.2912	hypo	sig	chr7_151254410
chr12	85279552	85279552	+	3.774E-19	7.731E-18	0.282799	hyper	sig	chr12_85279552
chr19	23070632	23070632	+	3.776E-19	7.734E-18	0.406495	hyper	sig	chr19_23070632
chr8	837045	837045	+	3.778E-19	7.7369E-18	-0.2621	hypo	sig	chr8_837045
chr9	1.28E+08	128159607	+	3.779E-19	7.7388E-18	-0.22177	hypo	sig	chr9_128159607
chr2	1.28E+08	127681730	+	3.781E-19	7.7441E-18	0.29336	hyper	sig	chr2_127681730
chr19	3178998	3178998	+	3.785E-19	7.7507E-18	-0.2775	hypo	sig	chr19_3178998
chr13	64925940	64925940	+	3.785E-19	7.7507E-18	-0.30157	hypo	sig	chr13_64925940
chr7	1.22E+08	122300593	+	3.786E-19	7.7525E-18	0.319532	hyper	sig	chr7_122300593
chr1	1.08E+08	107965895	+	3.787E-19	7.7539E-18	0.238467	hyper	sig	chr1_107965895
chr6	1.61E+08	160679363	+	3.787E-19	7.7548E-18	0.338931	hyper	sig	chr6_160679363
chr15	67826626	67826626	+	3.788E-19	7.7568E-18	0.283771	hyper	sig	chr15_67826626
chr5	1.41E+08	141355806	+	3.789E-19	7.7583E-18	0.285128	hyper	sig	chr5_141355806
chr5	1.73E+08	173234875	+	3.789E-19	7.7583E-18	0.241452	hyper	sig	chr5_173234875
chr20	23049817	23049817	+	3.791E-19	7.7615E-18	0.201309	hyper	sig	chr20_23049817
chr1	92481268	92481268	+	3.792E-19	7.7637E-18	0.260336	hyper	sig	chr1_92481268
chr16	841621	841621	+	3.793E-19	7.7666E-18	-0.27807	hypo	sig	chr16_841621
chr2	85577626	85577626	+	3.795E-19	7.7689E-18	-0.20165	hypo	sig	chr2_85577626
chr12	3305032	3305032	+	3.797E-19	7.7744E-18	-0.29743	hypo	sig	chr12_3305032
chr6	27260322	27260322	+	3.799E-19	7.7777E-18	0.296428	hyper	sig	chr6_27260322
chr15	83379295	83379295	+	3.803E-19	7.7846E-18	0.253149	hyper	sig	chr15_83379295
chr7	1.58E+08	157754102	+	3.803E-19	7.7856E-18	-0.3047	hypo	sig	chr7_157754102
chr1	19338637	19338637	+	3.805E-19	7.7896E-18	0.227141	hyper	sig	chr1_19338637
chr19	56671608	56671608	+	3.806E-19	7.7909E-18	0.315053	hyper	sig	chr19_56671608
chr1	2.1E+08	210293108	+	3.811E-19	7.8007E-18	0.289435	hyper	sig	chr1_210293108
chr2	2.06E+08	205686513	+	3.811E-19	7.8007E-18	0.315952	hyper	sig	chr2_205686513
chr20	56004352	56004352	+	3.813E-19	7.8041E-18	0.275286	hyper	sig	chr20_56004352
chr6	31880145	31880145	+	3.815E-19	7.8082E-18	0.278814	hyper	sig	chr6_31880145
chr11	67650574	67650574	+	3.816E-19	7.8093E-18	-0.23577	hypo	sig	chr11_67650574
chr6	77466950	77466950	+	3.816E-19	7.8097E-18	0.28391	hyper	sig	chr6_77466950
chr12	1.3E+08	130042385	+	3.816E-19	7.8099E-18	0.248151	hyper	sig	chr12_130042385
chr4	1.74E+08	173528798	+	3.819E-19	7.8154E-18	0.366806	hyper	sig	chr4_173528798
chr11	1.29E+08	128689319	+	3.822E-19	7.8228E-18	0.352112	hyper	sig	chr11_128689319
chr4	7129676	7129676	+	3.823E-19	7.8237E-18	-0.22147	hypo	sig	chr4_7129676
chr19	2607834	2607834	+	3.825E-19	7.8266E-18	-0.24596	hypo	sig	chr19_2607834
chr17	28711877	28711877	+	3.825E-19	7.8274E-18	0.246383	hyper	sig	chr17_28711877
chr13	1.11E+08	110628855	+	3.826E-19	7.8294E-18	0.256032	hyper	sig	chr13_110628855
chr8	1.33E+08	133191029	+	3.827E-19	7.8304E-18	0.276039	hyper	sig	chr8_133191029
chr10	1.24E+08	123891483	+	3.831E-19	7.8386E-18	0.335352	hyper	sig	chr10_123891483
chr17	5130152	5130152	+	3.832E-19	7.8403E-18	-0.35791	hypo	sig	chr17_5130152
chr4	1.72E+08	171813086	+	3.835E-19	7.8468E-18	0.277645	hyper	sig	chr4_171813086
chr14	1.01E+08	101364631	+	3.836E-19	7.8479E-18	0.327027	hyper	sig	chr14_101364631
chr19	51257862	51257862	+	3.838E-19	7.8519E-18	-0.25728	hypo	sig	chr19_51257862
chr7	194813	194813	+	3.838E-19	7.8524E-18	0.282004	hyper	sig	chr7_194813

chr9	19788272	19788272	+	3.839E-19	7.8536E-18	0.278515	hyper	sig	chr9_19788272
chr10	14602229	14602229	+	3.84E-19	7.8567E-18	-0.25476	hypo	sig	chr10_14602229
chr5	1.33E+08	132748376	+	3.847E-19	7.8707E-18	-0.30679	hypo	sig	chr5_132748376
chr11	6319283	6319283	+	3.848E-19	7.8709E-18	0.258688	hyper	sig	chr11_6319283
chr20	761058	761058	+	3.85E-19	7.875E-18	0.342255	hyper	sig	chr20_761058
chr7	1087295	1087295	+	3.851E-19	7.8776E-18	0.313675	hyper	sig	chr7_1087295
chr1	54220393	54220393	+	3.852E-19	7.8792E-18	0.293527	hyper	sig	chr1_54220393
chr5	1.41E+08	141370565	+	3.853E-19	7.8816E-18	0.367441	hyper	sig	chr5_141370565
chr13	94712312	94712312	+	3.862E-19	7.8994E-18	0.262119	hyper	sig	chr13_94712312
chr1	2.06E+08	205849998	+	3.867E-19	7.9089E-18	0.286996	hyper	sig	chr1_205849998
chr12	1.25E+08	124501923	+	3.873E-19	7.9211E-18	0.319724	hyper	sig	chr12_124501923
chr12	54000274	54000274	+	3.877E-19	7.9296E-18	0.26774	hyper	sig	chr12_54000274
chr5	37839653	37839653	+	3.88E-19	7.9357E-18	0.267864	hyper	sig	chr5_37839653
chr7	54542329	54542329	+	3.88E-19	7.9357E-18	0.317331	hyper	sig	chr7_54542329
chr2	1.24E+08	124025279	+	3.882E-19	7.9389E-18	0.270825	hyper	sig	chr2_124025279
chr16	89248099	89248099	+	3.883E-19	7.9408E-18	0.291396	hyper	sig	chr16_89248099
chr22	36325690	36325690	+	3.886E-19	7.9473E-18	0.340728	hyper	sig	chr22_36325690
chr17	10171806	10171806	+	3.891E-19	7.9555E-18	-0.3101	hypo	sig	chr17_10171806
chr3	1.41E+08	141052184	+	3.894E-19	7.9625E-18	0.254804	hyper	sig	chr3_141052184
chr17	39165266	39165266	+	3.894E-19	7.9625E-18	0.344264	hyper	sig	chr17_39165266
chr7	4730434	4730434	+	3.897E-19	7.9679E-18	0.335566	hyper	sig	chr7_4730434
chr8	54458493	54458493	+	3.898E-19	7.969E-18	0.256238	hyper	sig	chr8_54458493
chr12	53936119	53936119	+	3.901E-19	7.9753E-18	0.355494	hyper	sig	chr12_53936119
chr3	1.26E+08	125698541	+	3.902E-19	7.9766E-18	-0.25974	hypo	sig	chr3_125698541
chr4	4858143	4858143	+	3.904E-19	7.9816E-18	0.363531	hyper	sig	chr4_4858143
chr4	11427898	11427898	+	3.906E-19	7.9855E-18	0.251952	hyper	sig	chr4_11427898
chr7	1.57E+08	157020683	+	3.906E-19	7.9857E-18	0.284261	hyper	sig	chr7_157020683
chr1	3275051	3275051	+	3.907E-19	7.9861E-18	-0.28875	hypo	sig	chr1_3275051
chr6	5994917	5994917	+	3.909E-19	7.9914E-18	0.322754	hyper	sig	chr6_5994917
chr7	28410315	28410315	+	3.91E-19	7.9925E-18	0.239567	hyper	sig	chr7_28410315
chr19	3785904	3785904	+	3.914E-19	8.0015E-18	0.259634	hyper	sig	chr19_3785904
chr10	92045217	92045217	+	3.915E-19	8.0017E-18	0.25825	hyper	sig	chr10_92045217
chr12	95435035	95435035	+	3.915E-19	8.002E-18	-0.27627	hypo	sig	chr12_95435035
chr7	5479256	5479256	+	3.917E-19	8.0069E-18	0.318328	hyper	sig	chr7_5479256
chr7	1.58E+08	157521650	+	3.918E-19	8.0071E-18	-0.24603	hypo	sig	chr7_157521650
chr7	1.56E+08	156104711	+	3.918E-19	8.0079E-18	-0.31276	hypo	sig	chr7_156104711
chr20	21702253	21702253	+	3.92E-19	8.0112E-18	0.291803	hyper	sig	chr20_21702253
chr13	1.13E+08	112985195	+	3.92E-19	8.0124E-18	-0.23683	hypo	sig	chr13_112985195
chr12	49342040	49342040	+	3.922E-19	8.0146E-18	0.368788	hyper	sig	chr12_49342040
chr20	23048650	23048650	+	3.928E-19	8.0271E-18	0.259569	hyper	sig	chr20_23048650
chr7	4638965	4638965	+	3.929E-19	8.0284E-18	-0.32272	hypo	sig	chr7_4638965
chr5	1.41E+08	141095481	+	3.932E-19	8.0356E-18	0.237922	hyper	sig	chr5_141095481
chr5	2335567	2335567	+	3.938E-19	8.0477E-18	-0.28727	hypo	sig	chr5_2335567
chr10	1.24E+08	124106836	+	3.949E-19	8.0691E-18	-0.32705	hypo	sig	chr10_124106836
chr14	36663398	36663398	+	3.952E-19	8.0754E-18	0.291135	hyper	sig	chr14_36663398
chr19	54938071	54938071	+	3.957E-19	8.0856E-18	-0.2843	hypo	sig	chr19_54938071
chr19	50728401	50728401	+	3.958E-19	8.0864E-18	0.345248	hyper	sig	chr19_50728401
chr1	54781334	54781334	+	3.958E-19	8.0868E-18	0.366964	hyper	sig	chr1_54781334
chr15	34754961	34754961	+	3.961E-19	8.0926E-18	0.220574	hyper	sig	chr15_34754961
chr16	89202404	89202404	+	3.962E-19	8.0936E-18	0.278821	hyper	sig	chr16_89202404
chr21	46661375	46661375	+	3.969E-19	8.1084E-18	0.347259	hyper	sig	chr21_46661375
chr16	3175552	3175552	+	3.972E-19	8.1138E-18	0.217986	hyper	sig	chr16_3175552
chr2	1.19E+08	118843130	+	3.976E-19	8.1233E-18	0.25234	hyper	sig	chr2_118843130
chr20	63361764	63361764	+	3.98E-19	8.1293E-18	0.268553	hyper	sig	chr20_63361764
chr7	4804240	4804240	+	3.98E-19	8.1301E-18	-0.25319	hypo	sig	chr7_4804240
chr1	57424884	57424884	+	3.984E-19	8.1374E-18	0.245717	hyper	sig	chr1_57424884

chr1	2.08E+08	207911091	+	3.988E-19	8.1465E-18	0.285388	hyper	sig	chr1_207911091
chr1	8211960	8211960	+	3.99E-19	8.1505E-18	-0.28705	hypo	sig	chr1_8211960
chr11	94401505	94401505	+	3.99E-19	8.1506E-18	0.277731	hyper	sig	chr11_94401505
chr3	1.47E+08	147409899	+	3.993E-19	8.1547E-18	0.290075	hyper	sig	chr3_147409899
chr9	1.31E+08	130663297	+	3.993E-19	8.155E-18	0.308626	hyper	sig	chr9_130663297
chr1	24931303	24931303	+	3.994E-19	8.1573E-18	0.387319	hyper	sig	chr1_24931303
chr14	85532245	85532245	+	3.995E-19	8.1589E-18	0.239784	hyper	sig	chr14_85532245
chr13	99989088	99989088	+	3.997E-19	8.1632E-18	0.220061	hyper	sig	chr13_99989088
chr5	73436209	73436209	+	3.997E-19	8.1638E-18	0.36546	hyper	sig	chr5_73436209
chr17	81153572	81153572	+	3.999E-19	8.166E-18	-0.25445	hypo	sig	chr17_81153572
chr15	41831519	41831519	+	3.999E-19	8.1672E-18	-0.28445	hypo	sig	chr15_41831519
chr13	22926228	22926228	+	4.002E-19	8.1719E-18	0.404772	hyper	sig	chr13_22926228
chr2	96833159	96833159	+	4.003E-19	8.1744E-18	0.288436	hyper	sig	chr2_96833159
chr17	28233778	28233778	+	4.006E-19	8.1807E-18	-0.336	hypo	sig	chr17_28233778
chr3	62319417	62319417	+	4.007E-19	8.1808E-18	0.258679	hyper	sig	chr3_62319417
chr6	27260582	27260582	+	4.008E-19	8.1833E-18	0.269786	hyper	sig	chr6_27260582
chr16	782886	782886	+	4.009E-19	8.185E-18	-0.31738	hypo	sig	chr16_782886
chr16	2126961	2126961	+	4.009E-19	8.1851E-18	0.214545	hyper	sig	chr16_2126961
chr19	51034117	51034117	+	4.011E-19	8.1893E-18	-0.32954	hypo	sig	chr19_51034117
chr16	89817738	89817738	+	4.011E-19	8.1893E-18	-0.23982	hypo	sig	chr16_89817738
chr8	22691363	22691363	+	4.011E-19	8.1893E-18	0.311786	hyper	sig	chr8_22691363
chr6	27553437	27553437	+	4.012E-19	8.1906E-18	0.272596	hyper	sig	chr6_27553437
chr4	4226519	4226519	+	4.02E-19	8.2064E-18	0.242077	hyper	sig	chr4_4226519
chr6	30171909	30171909	+	4.02E-19	8.2071E-18	0.261668	hyper	sig	chr6_30171909
chr10	55627955	55627955	+	4.025E-19	8.2158E-18	0.272263	hyper	sig	chr10_55627955
chr18	9707899	9707899	+	4.025E-19	8.2158E-18	0.244056	hyper	sig	chr18_9707899
chr1	1.61E+08	161259079	+	4.031E-19	8.2283E-18	0.276489	hyper	sig	chr1_161259079
chr17	14304277	14304277	+	4.035E-19	8.2358E-18	0.329617	hyper	sig	chr17_14304277
chr9	91157053	91157053	+	4.037E-19	8.2403E-18	-0.28043	hypo	sig	chr9_91157053
chr14	75543264	75543264	+	4.038E-19	8.2411E-18	-0.30038	hypo	sig	chr14_75543264
chr1	1419928	1419928	+	4.045E-19	8.2565E-18	0.391651	hyper	sig	chr1_1419928
chr17	7478400	7478400	+	4.046E-19	8.257E-18	0.28392	hyper	sig	chr17_7478400
chr1	27725260	27725260	+	4.046E-19	8.2578E-18	-0.26046	hypo	sig	chr1_27725260
chr19	34482298	34482298	+	4.047E-19	8.2596E-18	0.235116	hyper	sig	chr19_34482298
chr16	51150967	51150967	+	4.049E-19	8.2638E-18	0.366117	hyper	sig	chr16_51150967
chr11	57467916	57467916	+	4.05E-19	8.2642E-18	0.275187	hyper	sig	chr11_57467916
chr13	1.12E+08	112238559	+	4.053E-19	8.2706E-18	-0.26772	hypo	sig	chr13_112238559
chr8	23707073	23707073	+	4.061E-19	8.2866E-18	0.228482	hyper	sig	chr8_23707073
chr15	62239840	62239840	+	4.061E-19	8.2873E-18	-0.27293	hypo	sig	chr15_62239840
chr16	51155967	51155967	+	4.064E-19	8.294E-18	0.308544	hyper	sig	chr16_51155967
chr10	1463400	1463400	+	4.066E-19	8.2961E-18	-0.25115	hypo	sig	chr10_1463400
chr1	2.09E+08	209232718	+	4.067E-19	8.2993E-18	-0.31715	hypo	sig	chr1_209232718
chr4	95548943	95548943	+	4.069E-19	8.3016E-18	0.345697	hyper	sig	chr4_95548943
chr11	1.02E+08	101584099	+	4.071E-19	8.3074E-18	0.297241	hyper	sig	chr11_101584099
chr10	1.24E+08	123891503	+	4.075E-19	8.315E-18	0.260544	hyper	sig	chr10_123891503
chr5	1.35E+08	135490673	+	4.076E-19	8.3155E-18	0.269256	hyper	sig	chr5_135490673
chr14	36655132	36655132	+	4.078E-19	8.3204E-18	0.249458	hyper	sig	chr14_36655132
chr17	76000164	76000164	+	4.078E-19	8.3206E-18	0.235133	hyper	sig	chr17_76000164
chr3	1.28E+08	128279152	+	4.079E-19	8.3216E-18	0.362899	hyper	sig	chr3_128279152
chr16	67170130	67170130	+	4.08E-19	8.3226E-18	0.228911	hyper	sig	chr16_67170130
chr13	68985129	68985129	+	4.084E-19	8.3306E-18	-0.28493	hypo	sig	chr13_68985129
chr1	1.11E+08	110675512	+	4.091E-19	8.3457E-18	0.360745	hyper	sig	chr1_110675512
chr14	94773836	94773836	+	4.096E-19	8.3555E-18	0.342172	hyper	sig	chr14_94773836
chr5	43034264	43034264	+	4.098E-19	8.3592E-18	0.362863	hyper	sig	chr5_43034264
chr14	97219314	97219314	+	4.1E-19	8.3635E-18	0.227008	hyper	sig	chr14_97219314
chr5	1.59E+08	159104607	+	4.111E-19	8.385E-18	0.298452	hyper	sig	chr5_159104607

chr10	99531012	99531012	+	4.119E-19	8.4021E-18	0.354338	hyper	sig	chr10_99531012
chr5	1.41E+08	141383137	+	4.121E-19	8.4041E-18	0.262314	hyper	sig	chr5_141383137
chr8	93701388	93701388	+	4.121E-19	8.4041E-18	0.265722	hyper	sig	chr8_93701388
chr1	3743108	3743108	+	4.132E-19	8.427E-18	-0.27854	hypo	sig	chr1_3743108
chr19	39197281	39197281	+	4.133E-19	8.4281E-18	0.240017	hyper	sig	chr19_39197281
chr2	10301959	10301959	+	4.138E-19	8.4398E-18	-0.28167	hypo	sig	chr2_10301959
chr7	23247801	23247801	+	4.139E-19	8.4406E-18	0.206162	hyper	sig	chr7_23247801
chr17	68198981	68198981	+	4.14E-19	8.4427E-18	0.218628	hyper	sig	chr17_68198981
chr2	2.42E+08	241855723	+	4.142E-19	8.4458E-18	-0.2234	hypo	sig	chr2_241855723
chr7	64495314	64495314	+	4.142E-19	8.4467E-18	0.33464	hyper	sig	chr7_64495314
chr10	1.33E+08	132545005	+	4.143E-19	8.4473E-18	0.279794	hyper	sig	chr10_132545005
chr3	69012709	69012709	+	4.147E-19	8.4553E-18	0.268361	hyper	sig	chr3_69012709
chr7	1.56E+08	155534558	+	4.147E-19	8.4562E-18	0.277464	hyper	sig	chr7_155534558
chr11	68980992	68980992	+	4.156E-19	8.4742E-18	-0.32947	hypo	sig	chr11_68980992
chr19	47780044	47780044	+	4.156E-19	8.4742E-18	0.301878	hyper	sig	chr19_47780044
chr1	54581659	54581659	+	4.16E-19	8.4818E-18	0.309407	hyper	sig	chr1_54581659
chr15	41882760	41882760	+	4.164E-19	8.4897E-18	0.340783	hyper	sig	chr15_41882760
chr7	1.58E+08	157645924	+	4.168E-19	8.4967E-18	-0.26929	hypo	sig	chr7_157645924
chr11	57637984	57637984	+	4.172E-19	8.5051E-18	0.3713	hyper	sig	chr11_57637984
chr10	90857165	90857165	+	4.173E-19	8.5062E-18	0.33384	hyper	sig	chr10_90857165
chr21	41678741	41678741	+	4.174E-19	8.5088E-18	-0.26429	hypo	sig	chr21_41678741
chr13	91175789	91175789	+	4.177E-19	8.5154E-18	-0.34159	hypo	sig	chr13_91175789
chr10	510468	510468	+	4.178E-19	8.5159E-18	0.301606	hyper	sig	chr10_510468
chr6	34146110	34146110	+	4.18E-19	8.5205E-18	0.340073	hyper	sig	chr6_34146110
chr11	1.29E+08	128824218	+	4.18E-19	8.5211E-18	0.327401	hyper	sig	chr11_128824218
chr14	60485342	60485342	+	4.183E-19	8.5265E-18	0.29466	hyper	sig	chr14_60485342
chr6	1.7E+08	170152915	+	4.186E-19	8.5316E-18	-0.25186	hypo	sig	chr6_170152915
chr5	1.16E+08	115816825	+	4.192E-19	8.545E-18	0.305315	hyper	sig	chr5_115816825
chr10	30029016	30029016	+	4.2E-19	8.5603E-18	0.215517	hyper	sig	chr10_30029016
chr5	1.77E+08	176843790	+	4.205E-19	8.5704E-18	0.292088	hyper	sig	chr5_176843790
chr13	36432190	36432190	+	4.208E-19	8.576E-18	0.21816	hyper	sig	chr13_36432190
chr15	59995284	59995284	+	4.211E-19	8.5808E-18	0.213032	hyper	sig	chr15_59995284
chr11	31823980	31823980	+	4.211E-19	8.5822E-18	0.287496	hyper	sig	chr11_31823980
chr22	44173051	44173051	+	4.217E-19	8.5927E-18	-0.26869	hypo	sig	chr22_44173051
chr13	52739710	52739710	+	4.221E-19	8.6006E-18	0.303258	hyper	sig	chr13_52739710
chr7	1513557	1513557	+	4.224E-19	8.6081E-18	-0.28233	hypo	sig	chr7_1513557
chr4	1.33E+08	133148217	+	4.227E-19	8.613E-18	0.264303	hyper	sig	chr4_133148217
chr7	1.58E+08	157591966	+	4.227E-19	8.6137E-18	-0.23045	hypo	sig	chr7_157591966
chr4	44447721	44447721	+	4.229E-19	8.6169E-18	0.228495	hyper	sig	chr4_44447721
chr3	1.28E+08	128493430	+	4.229E-19	8.6172E-18	0.348579	hyper	sig	chr3_128493430
chr17	6713711	6713711	+	4.23E-19	8.6177E-18	0.309251	hyper	sig	chr17_6713711
chr13	30909286	30909286	+	4.235E-19	8.6287E-18	-0.34261	hypo	sig	chr13_30909286
chr12	1.31E+08	130793173	+	4.238E-19	8.6344E-18	0.281237	hyper	sig	chr12_130793173
chr16	84450032	84450032	+	4.239E-19	8.6363E-18	0.264859	hyper	sig	chr16_84450032
chr2	10497848	10497848	+	4.239E-19	8.6369E-18	-0.26931	hypo	sig	chr2_10497848
chr19	1993115	1993115	+	4.242E-19	8.6428E-18	-0.2346	hypo	sig	chr19_1993115
chr2	1.2E+08	120346510	+	4.244E-19	8.6462E-18	0.310748	hyper	sig	chr2_120346510
chr13	52847534	52847534	+	4.246E-19	8.6486E-18	0.27628	hyper	sig	chr13_52847534
chr7	27103840	27103840	+	4.246E-19	8.6486E-18	0.288513	hyper	sig	chr7_27103840
chr11	64240341	64240341	+	4.248E-19	8.6537E-18	-0.2218	hypo	sig	chr11_64240341
chr1	1.8E+08	180255634	+	4.249E-19	8.6541E-18	-0.25971	hypo	sig	chr1_180255634
chr14	1.01E+08	101040136	+	4.255E-19	8.6671E-18	-0.27493	hypo	sig	chr14_101040136
chr17	48571208	48571208	+	4.259E-19	8.6749E-18	0.248217	hyper	sig	chr17_48571208
chr7	486059	486059	+	4.262E-19	8.6812E-18	-0.2996	hypo	sig	chr7_486059
chr17	10198282	10198282	+	4.262E-19	8.6815E-18	0.348859	hyper	sig	chr17_10198282
chr15	83283978	83283978	+	4.264E-19	8.6836E-18	0.301468	hyper	sig	chr15_83283978

chr13	94707720	94707720	+	4.266E-19	8.6878E-18	0.33902	hyper	sig	chr13_94707720
chr3	1.91E+08	190876938	+	4.272E-19	8.6999E-18	-0.27172	hypo	sig	chr3_190876938
chr4	1.17E+08	116598790	+	4.276E-19	8.7079E-18	-0.25551	hypo	sig	chr4_116598790
chr15	81134295	81134295	+	4.277E-19	8.7102E-18	0.234398	hyper	sig	chr15_81134295
chr5	404873	404873	+	4.278E-19	8.7124E-18	-0.24155	hypo	sig	chr5_404873
chr7	1556407	1556407	+	4.28E-19	8.7157E-18	-0.25449	hypo	sig	chr7_1556407
chr9	1.37E+08	136965006	+	4.281E-19	8.7166E-18	-0.26081	hypo	sig	chr9_136965006
chr5	3602339	3602339	+	4.282E-19	8.719E-18	0.311468	hyper	sig	chr5_3602339
chr6	1.7E+08	170222961	+	4.282E-19	8.719E-18	-0.36123	hypo	sig	chr6_170222961
chr16	89834261	89834261	+	4.286E-19	8.7261E-18	-0.28795	hypo	sig	chr16_89834261
chr12	63821873	63821873	+	4.288E-19	8.7298E-18	0.282038	hyper	sig	chr12_63821873
chr17	22217329	22217329	+	4.289E-19	8.732E-18	0.339051	hyper	sig	chr17_22217329
chr8	1.45E+08	144623529	+	4.289E-19	8.7323E-18	0.258603	hyper	sig	chr8_144623529
chr19	22422375	22422375	+	4.289E-19	8.7328E-18	0.257931	hyper	sig	chr19_22422375
chr3	46577144	46577144	+	4.29E-19	8.7339E-18	0.359023	hyper	sig	chr3_46577144
chr7	921702	921702	+	4.291E-19	8.7353E-18	-0.27194	hypo	sig	chr7_921702
chr19	52492856	52492856	+	4.292E-19	8.7376E-18	0.305533	hyper	sig	chr19_52492856
chr12	94186929	94186929	+	4.299E-19	8.7519E-18	0.251238	hyper	sig	chr12_94186929
chr1	1448694	1448694	+	4.3E-19	8.754E-18	-0.23988	hypo	sig	chr1_1448694
chr19	55487371	55487371	+	4.304E-19	8.7607E-18	0.306333	hyper	sig	chr19_55487371
chr3	62371238	62371238	+	4.306E-19	8.7643E-18	0.393048	hyper	sig	chr3_62371238
chr1	2.04E+08	204351084	+	4.307E-19	8.7677E-18	0.269933	hyper	sig	chr1_204351084
chr16	86571491	86571491	+	4.312E-19	8.7757E-18	0.282562	hyper	sig	chr16_86571491
chr5	1.29E+08	128537635	+	4.315E-19	8.7833E-18	0.264647	hyper	sig	chr5_128537635
chr3	1.82E+08	181696220	+	4.318E-19	8.7871E-18	0.253994	hyper	sig	chr3_181696220
chr5	51387625	51387625	+	4.321E-19	8.7942E-18	0.227983	hyper	sig	chr5_51387625
chr7	1.43E+08	142796538	+	4.335E-19	8.8219E-18	0.322683	hyper	sig	chr7_142796538
chr17	42685268	42685268	+	4.335E-19	8.823E-18	0.327627	hyper	sig	chr17_42685268
chr13	87678216	87678216	+	4.339E-19	8.8307E-18	0.213318	hyper	sig	chr13_87678216
chr8	37897642	37897642	+	4.339E-19	8.8307E-18	-0.25782	hypo	sig	chr8_37897642
chr11	20596433	20596433	+	4.34E-19	8.8308E-18	0.235034	hyper	sig	chr11_20596433
chr16	179529	179529	+	4.34E-19	8.8312E-18	-0.21819	hypo	sig	chr16_179529
chr8	1.4E+08	139703488	+	4.344E-19	8.8395E-18	0.387287	hyper	sig	chr8_139703488
chr15	22259929	22259929	+	4.35E-19	8.8507E-18	-0.22468	hypo	sig	chr15_22259929
chr7	1.58E+08	158450940	+	4.35E-19	8.8507E-18	-0.24208	hypo	sig	chr7_158450940
chr5	1.29E+08	128537881	+	4.351E-19	8.8514E-18	0.304632	hyper	sig	chr5_128537881
chr17	10197783	10197783	+	4.355E-19	8.8594E-18	0.295826	hyper	sig	chr17_10197783
chr7	99975655	99975655	+	4.357E-19	8.8634E-18	-0.35353	hypo	sig	chr7_99975655
chr13	52129479	52129479	+	4.36E-19	8.8694E-18	0.234468	hyper	sig	chr13_52129479
chr10	97689745	97689745	+	4.361E-19	8.8714E-18	-0.28397	hypo	sig	chr10_97689745
chr4	17781617	17781617	+	4.364E-19	8.8769E-18	0.235431	hyper	sig	chr4_17781617
chr12	85273600	85273600	+	4.365E-19	8.8783E-18	0.280192	hyper	sig	chr12_85273600
chr5	1.41E+08	141431280	+	4.367E-19	8.8826E-18	0.278039	hyper	sig	chr5_141431280
chr17	19745738	19745738	+	4.368E-19	8.8837E-18	-0.25999	hypo	sig	chr17_19745738
chr8	1.43E+08	142546982	+	4.368E-19	8.8849E-18	-0.24657	hypo	sig	chr8_142546982
chr14	95903404	95903404	+	4.369E-19	8.8858E-18	-0.31572	hypo	sig	chr14_95903404
chr6	6614198	6614198	+	4.369E-19	8.8858E-18	-0.294	hypo	sig	chr6_6614198
chr9	6703605	6703605	+	4.371E-19	8.89E-18	-0.2499	hypo	sig	chr9_6703605
chr7	32318763	32318763	+	4.374E-19	8.8956E-18	0.357495	hyper	sig	chr7_32318763
chr12	1.13E+08	113469315	+	4.38E-19	8.908E-18	0.287546	hyper	sig	chr12_113469315
chr7	99551578	99551578	+	4.385E-19	8.9185E-18	0.20694	hyper	sig	chr7_99551578
chr2	2.22E+08	222295495	+	4.393E-19	8.9339E-18	0.267393	hyper	sig	chr2_222295495
chr16	29785364	29785364	+	4.394E-19	8.9357E-18	0.264523	hyper	sig	chr16_29785364
chr3	1.26E+08	126394553	+	4.396E-19	8.9398E-18	0.294598	hyper	sig	chr3_126394553
chr6	2751168	2751168	+	4.396E-19	8.9398E-18	-0.32316	hypo	sig	chr6_2751168
chr11	1918286	1918286	+	4.397E-19	8.9404E-18	-0.40982	hypo	sig	chr11_1918286

chr2	3282567	3282567	+	4.407E-19	8.9611E-18	0.256154	hyper	sig	chr2_3282567
chr1	10530419	10530419	+	4.414E-19	8.9751E-18	0.391893	hyper	sig	chr1_10530419
chr7	1.51E+08	150956168	+	4.415E-19	8.9764E-18	0.312976	hyper	sig	chr7_150956168
chr7	1.57E+08	157004417	+	4.42E-19	8.987E-18	0.264304	hyper	sig	chr7_157004417
chr5	1.79E+08	179224373	+	4.422E-19	8.991E-18	-0.3165	hypo	sig	chr5_179224373
chr1	1.1E+08	110069858	+	4.423E-19	8.9929E-18	0.270891	hyper	sig	chr1_110069858
chr8	26046334	26046334	+	4.43E-19	9.0058E-18	0.20075	hyper	sig	chr8_26046334
chr3	1.33E+08	133038189	+	4.435E-19	9.0156E-18	0.260361	hyper	sig	chr3_133038189
chr13	25171326	25171326	+	4.438E-19	9.0223E-18	0.459986	hyper	sig	chr13_25171326
chr11	3435251	3435251	+	4.44E-19	9.0248E-18	-0.30815	hypo	sig	chr11_3435251
chr16	86300378	86300378	+	4.44E-19	9.0262E-18	0.236266	hyper	sig	chr16_86300378
chr19	3568997	3568997	+	4.442E-19	9.0288E-18	-0.26232	hypo	sig	chr19_3568997
chr10	90857090	90857090	+	4.444E-19	9.0322E-18	0.33791	hyper	sig	chr10_90857090
chr17	18982151	18982151	+	4.444E-19	9.0336E-18	-0.28108	hypo	sig	chr17_18982151
chr17	77373541	77373541	+	4.448E-19	9.0399E-18	0.30156	hyper	sig	chr17_77373541
chr6	30071178	30071178	+	4.449E-19	9.0419E-18	0.27521	hyper	sig	chr6_30071178
chr17	36731234	36731234	+	4.456E-19	9.0572E-18	-0.27548	hypo	sig	chr17_36731234
chr10	369397	369397	+	4.458E-19	9.0611E-18	0.231321	hyper	sig	chr10_369397
chr8	93701365	93701365	+	4.459E-19	9.0629E-18	0.270378	hyper	sig	chr8_93701365
chr11	1.06E+08	105610586	+	4.462E-19	9.0684E-18	0.25636	hyper	sig	chr11_105610586
chr8	46219184	46219184	+	4.465E-19	9.0731E-18	-0.3177	hypo	sig	chr8_46219184
chr3	1.13E+08	113441469	+	4.467E-19	9.0778E-18	0.303264	hyper	sig	chr3_113441469
chr21	40847927	40847927	+	4.471E-19	9.085E-18	-0.24592	hypo	sig	chr21_40847927
chr16	31471803	31471803	+	4.472E-19	9.0868E-18	0.310691	hyper	sig	chr16_31471803
chr19	44776927	44776927	+	4.473E-19	9.0891E-18	-0.3069	hypo	sig	chr19_44776927
chr5	3599656	3599656	+	4.473E-19	9.0893E-18	0.386807	hyper	sig	chr5_3599656
chr3	62377470	62377470	+	4.475E-19	9.0928E-18	0.321059	hyper	sig	chr3_62377470
chr10	86263423	86263423	+	4.482E-19	9.1057E-18	0.204051	hyper	sig	chr10_86263423
chr11	32431036	32431036	+	4.483E-19	9.1072E-18	0.330256	hyper	sig	chr11_32431036
chr13	42575037	42575037	+	4.487E-19	9.1147E-18	0.245986	hyper	sig	chr13_42575037
chr7	4792795	4792795	+	4.487E-19	9.1147E-18	0.394429	hyper	sig	chr7_4792795
chr6	29627419	29627419	+	4.488E-19	9.1177E-18	0.373589	hyper	sig	chr6_29627419
chr13	93228746	93228746	+	4.49E-19	9.1217E-18	0.26921	hyper	sig	chr13_93228746
chr17	80478256	80478256	+	4.491E-19	9.1226E-18	0.304904	hyper	sig	chr17_80478256
chr12	53955523	53955523	+	4.492E-19	9.1241E-18	0.338174	hyper	sig	chr12_53955523
chr19	57935390	57935390	+	4.492E-19	9.1246E-18	0.28502	hyper	sig	chr19_57935390
chr19	45732344	45732344	+	4.494E-19	9.1286E-18	-0.23751	hypo	sig	chr19_45732344
chr16	1146713	1146713	+	4.496E-19	9.1324E-18	-0.34265	hypo	sig	chr16_1146713
chr19	11674373	11674373	+	4.503E-19	9.1453E-18	0.256315	hyper	sig	chr19_11674373
chr9	1.37E+08	137079375	+	4.507E-19	9.1535E-18	0.324262	hyper	sig	chr9_137079375
chr11	1.11E+08	111283988	+	4.509E-19	9.1574E-18	-0.26039	hypo	sig	chr11_111283988
chr13	1.12E+08	112254013	+	4.51E-19	9.16E-18	-0.2728	hypo	sig	chr13_112254013
chr6	1.5E+08	149965369	+	4.511E-19	9.1614E-18	0.277192	hyper	sig	chr6_149965369
chr7	1.28E+08	128032099	+	4.511E-19	9.1615E-18	0.245816	hyper	sig	chr7_128032099
chr13	26760183	26760183	+	4.514E-19	9.1673E-18	0.208615	hyper	sig	chr13_26760183
chr20	46312772	46312772	+	4.514E-19	9.1679E-18	0.343752	hyper	sig	chr20_46312772
chr15	90084202	90084202	+	4.516E-19	9.1717E-18	0.236279	hyper	sig	chr15_90084202
chr7	45922344	45922344	+	4.518E-19	9.174E-18	0.214524	hyper	sig	chr7_45922344
chr11	1354096	1354096	+	4.52E-19	9.1783E-18	-0.29693	hypo	sig	chr11_1354096
chr15	84079967	84079967	+	4.521E-19	9.1805E-18	0.2328	hyper	sig	chr15_84079967
chr5	1.41E+08	141430952	+	4.524E-19	9.1853E-18	0.256596	hyper	sig	chr5_141430952
chr5	1.41E+08	141399639	+	4.526E-19	9.1891E-18	0.282806	hyper	sig	chr5_141399639
chr5	1.41E+08	141399528	+	4.526E-19	9.1904E-18	0.296904	hyper	sig	chr5_141399528
chr20	36876000	36876000	+	4.527E-19	9.1925E-18	-0.2729	hypo	sig	chr20_36876000
chr7	50400695	50400695	+	4.53E-19	9.1973E-18	0.25446	hyper	sig	chr7_50400695
chr13	94704860	94704860	+	4.533E-19	9.2032E-18	0.298479	hyper	sig	chr13_94704860

chr11	2346865	2346865	+	4.54E-19	9.2177E-18	-0.31163	hypo	sig	chr11_2346865
chr7	48006254	48006254	+	4.541E-19	9.2191E-18	-0.26658	hypo	sig	chr7_48006254
chr10	1.33E+08	133230094	+	4.543E-19	9.2223E-18	0.246564	hyper	sig	chr10_133230094
chr15	75649016	75649016	+	4.561E-19	9.2592E-18	0.293577	hyper	sig	chr15_75649016
chr12	54054023	54054023	+	4.563E-19	9.2633E-18	0.271104	hyper	sig	chr12_54054023
chr5	1.41E+08	141351895	+	4.573E-19	9.2833E-18	0.326395	hyper	sig	chr5_141351895
chr12	41189544	41189544	+	4.581E-19	9.2986E-18	0.295699	hyper	sig	chr12_41189544
chr7	27102928	27102928	+	4.583E-19	9.3033E-18	0.401005	hyper	sig	chr7_27102928
chr11	32427945	32427945	+	4.584E-19	9.3043E-18	0.347541	hyper	sig	chr11_32427945
chr10	1.31E+08	130747910	+	4.586E-19	9.3072E-18	-0.25218	hypo	sig	chr10_130747910
chr1	90716667	90716667	+	4.588E-19	9.3109E-18	0.222895	hyper	sig	chr1_90716667
chr3	1.72E+08	172449657	+	4.588E-19	9.3124E-18	0.265988	hyper	sig	chr3_172449657
chr3	44585106	44585106	+	4.596E-19	9.3267E-18	0.224274	hyper	sig	chr3_44585106
chr6	28988576	28988576	+	4.604E-19	9.3437E-18	0.220137	hyper	sig	chr6_28988576
chr12	1.17E+08	117361599	+	4.605E-19	9.3449E-18	0.246504	hyper	sig	chr12_117361599
chr9	14993586	14993586	+	4.605E-19	9.3452E-18	0.297805	hyper	sig	chr9_14993586
chr5	1.81E+08	181174248	+	4.606E-19	9.3463E-18	0.331485	hyper	sig	chr5_181174248
chr8	1.42E+08	142465457	+	4.607E-19	9.3479E-18	-0.29666	hypo	sig	chr8_142465457
chr1	10779452	10779452	+	4.61E-19	9.354E-18	-0.30998	hypo	sig	chr1_10779452
chr11	72013510	72013510	+	4.61E-19	9.3543E-18	0.228736	hyper	sig	chr11_72013510
chr18	48921470	48921470	+	4.612E-19	9.357E-18	0.23495	hyper	sig	chr18_48921470
chr20	21516026	21516026	+	4.611E-19	9.357E-18	0.260638	hyper	sig	chr20_21516026
chr21	36706481	36706481	+	4.614E-19	9.3609E-18	0.299741	hyper	sig	chr21_36706481
chr14	77140501	77140501	+	4.616E-19	9.3648E-18	0.273663	hyper	sig	chr14_77140501
chr5	1.59E+08	159096529	+	4.617E-19	9.3669E-18	0.33878	hyper	sig	chr5_159096529
chr19	45217578	45217578	+	4.618E-19	9.3693E-18	0.21281	hyper	sig	chr19_45217578
chr5	1.78E+08	178337284	+	4.621E-19	9.3746E-18	0.28818	hyper	sig	chr5_178337284
chr7	1.01E+08	101299823	+	4.622E-19	9.3764E-18	0.355533	hyper	sig	chr7_101299823
chr2	26942642	26942642	+	4.628E-19	9.3896E-18	0.353011	hyper	sig	chr2_26942642
chr19	5851493	5851493	+	4.631E-19	9.3942E-18	-0.28268	hypo	sig	chr19_5851493
chr17	78890620	78890620	+	4.634E-19	9.4008E-18	-0.32455	hypo	sig	chr17_78890620
chr5	1.79E+08	178590843	+	4.636E-19	9.4043E-18	0.263275	hyper	sig	chr5_178590843
chr10	1.33E+08	132832776	+	4.638E-19	9.4081E-18	0.237826	hyper	sig	chr10_132832776
chr2	1.85E+08	184598143	+	4.641E-19	9.4146E-18	0.262977	hyper	sig	chr2_184598143
chr4	1.13E+08	112521614	+	4.645E-19	9.4208E-18	0.277407	hyper	sig	chr4_112521614
chr6	1.38E+08	138429778	+	4.65E-19	9.4313E-18	0.259462	hyper	sig	chr6_138429778
chr8	1.41E+08	140549642	+	4.661E-19	9.4545E-18	0.244189	hyper	sig	chr8_140549642
chr17	49867636	49867636	+	4.664E-19	9.4596E-18	-0.25691	hypo	sig	chr17_49867636
chr7	1.01E+08	101299855	+	4.664E-19	9.4601E-18	0.355477	hyper	sig	chr7_101299855
chr17	67246785	67246785	+	4.665E-19	9.4606E-18	-0.24654	hypo	sig	chr17_67246785
chr16	51113947	51113947	+	4.666E-19	9.4633E-18	0.371844	hyper	sig	chr16_51113947
chr5	6182151	6182151	+	4.666E-19	9.4634E-18	-0.28749	hypo	sig	chr5_6182151
chr15	82044476	82044476	+	4.668E-19	9.4669E-18	0.204623	hyper	sig	chr15_82044476
chr2	1E+08	100391822	+	4.673E-19	9.4762E-18	-0.22775	hypo	sig	chr2_100391822
chr8	1.42E+08	142089821	+	4.674E-19	9.4784E-18	0.249453	hyper	sig	chr8_142089821
chr16	84832529	84832529	+	4.681E-19	9.4912E-18	0.266478	hyper	sig	chr16_84832529
chr12	7872952	7872952	+	4.686E-19	9.5024E-18	0.274939	hyper	sig	chr12_7872952
chr20	63342020	63342020	+	4.694E-19	9.5171E-18	-0.36191	hypo	sig	chr20_63342020
chr10	23174446	23174446	+	4.698E-19	9.5251E-18	0.27159	hyper	sig	chr10_23174446
chr12	1.31E+08	130970968	+	4.7E-19	9.5296E-18	-0.30243	hypo	sig	chr12_130970968
chr6	1.6E+08	160090905	+	4.702E-19	9.5326E-18	-0.31577	hypo	sig	chr6_160090905
chr16	54290241	54290241	+	4.702E-19	9.5334E-18	0.302943	hyper	sig	chr16_54290241
chr5	1444763	1444763	+	4.704E-19	9.5374E-18	0.202474	hyper	sig	chr5_1444763
chr4	7299802	7299802	+	4.706E-19	9.5415E-18	-0.26844	hypo	sig	chr4_7299802
chr5	77632558	77632558	+	4.709E-19	9.5468E-18	0.331928	hyper	sig	chr5_77632558
chr22	49168572	49168572	+	4.725E-19	9.5795E-18	-0.28544	hypo	sig	chr22_49168572

chr2	81467459	81467459	+	4.726E-19	9.5812E-18	-0.24635	hypo	sig	chr2_81467459
chr5	1.78E+08	178165752	+	4.727E-19	9.5825E-18	0.333206	hyper	sig	chr5_178165752
chr10	1.24E+08	123666092	+	4.729E-19	9.5853E-18	0.293049	hyper	sig	chr10_123666092
chr2	63055689	63055689	+	4.729E-19	9.5853E-18	0.298954	hyper	sig	chr2_63055689
chr22	49826201	49826201	+	4.729E-19	9.5853E-18	-0.22568	hypo	sig	chr22_49826201
chr12	1.32E+08	132329036	+	4.729E-19	9.5865E-18	0.316918	hyper	sig	chr12_132329036
chr19	58356247	58356247	+	4.734E-19	9.5957E-18	0.341756	hyper	sig	chr19_58356247
chr20	45316788	45316788	+	4.736E-19	9.599E-18	0.343063	hyper	sig	chr20_45316788
chr12	54000193	54000193	+	4.738E-19	9.6035E-18	0.303919	hyper	sig	chr12_54000193
chr1	17149303	17149303	+	4.745E-19	9.6169E-18	0.371929	hyper	sig	chr1_17149303
chr6	29827783	29827783	+	4.746E-19	9.6182E-18	0.284898	hyper	sig	chr6_29827783
chr11	2211946	2211946	+	4.747E-19	9.6211E-18	-0.36398	hypo	sig	chr11_2211946
chr13	1.08E+08	107868049	+	4.751E-19	9.6279E-18	0.220841	hyper	sig	chr13_107868049
chr16	86495069	86495069	+	4.751E-19	9.6279E-18	0.282696	hyper	sig	chr16_86495069
chr6	29794128	29794128	+	4.76E-19	9.6449E-18	-0.24557	hypo	sig	chr6_29794128
chr10	30029065	30029065	+	4.762E-19	9.6494E-18	0.24536	hyper	sig	chr10_30029065
chr19	54280970	54280970	+	4.768E-19	9.6611E-18	-0.2153	hypo	sig	chr19_54280970
chr3	10993290	10993290	+	4.768E-19	9.6617E-18	0.280526	hyper	sig	chr3_10993290
chr2	10835179	10835179	+	4.769E-19	9.6625E-18	-0.26671	hypo	sig	chr2_10835179
chr8	64587277	64587277	+	4.772E-19	9.6686E-18	0.254949	hyper	sig	chr8_64587277
chr13	52845841	52845841	+	4.774E-19	9.6729E-18	0.270903	hyper	sig	chr13_52845841
chr12	3256482	3256482	+	4.776E-19	9.6763E-18	-0.32375	hypo	sig	chr12_3256482
chr10	1.32E+08	131519359	+	4.781E-19	9.6848E-18	0.234891	hyper	sig	chr10_131519359
chr17	81026820	81026820	+	4.786E-19	9.695E-18	0.276617	hyper	sig	chr17_81026820
chr2	1.37E+08	136764891	+	4.787E-19	9.6974E-18	0.316383	hyper	sig	chr2_136764891
chr13	27795377	27795377	+	4.787E-19	9.6976E-18	0.290465	hyper	sig	chr13_27795377
chr15	79065771	79065771	+	4.788E-19	9.6981E-18	-0.26646	hypo	sig	chr15_79065771
chr16	1044646	1044646	+	4.792E-19	9.7063E-18	-0.2948	hypo	sig	chr16_1044646
chr7	6842410	6842410	+	4.793E-19	9.7079E-18	-0.2448	hypo	sig	chr7_6842410
chr10	6191801	6191801	+	4.794E-19	9.7112E-18	0.224759	hyper	sig	chr10_6191801
chr20	45408259	45408259	+	4.8E-19	9.7222E-18	0.249469	hyper	sig	chr20_45408259
chr15	78750729	78750729	+	4.801E-19	9.7229E-18	0.336703	hyper	sig	chr15_78750729
chr10	93062999	93062999	+	4.802E-19	9.7257E-18	0.256234	hyper	sig	chr10_93062999
chr7	27103595	27103595	+	4.808E-19	9.7372E-18	0.348551	hyper	sig	chr7_27103595
chr11	1.29E+08	128694313	+	4.816E-19	9.7536E-18	0.408776	hyper	sig	chr11_128694313
chr17	35374254	35374254	+	4.817E-19	9.7543E-18	0.242818	hyper	sig	chr17_35374254
chr14	85529813	85529813	+	4.817E-19	9.7545E-18	0.259788	hyper	sig	chr14_85529813
chr1	2267458	2267458	+	4.82E-19	9.7609E-18	0.241104	hyper	sig	chr1_2267458
chr18	13868636	13868636	+	4.821E-19	9.7614E-18	0.225098	hyper	sig	chr18_13868636
chr12	74292380	74292380	+	4.823E-19	9.767E-18	-0.34165	hypo	sig	chr12_74292380
chr7	1.01E+08	100866543	+	4.828E-19	9.7755E-18	-0.27299	hypo	sig	chr7_100866543
chr2	1.39E+08	138780131	+	4.828E-19	9.7758E-18	0.280008	hyper	sig	chr2_138780131
chr6	1.37E+08	136923603	+	4.833E-19	9.7847E-18	0.376478	hyper	sig	chr6_136923603
chr5	63962058	63962058	+	4.844E-19	9.8077E-18	0.25824	hyper	sig	chr5_63962058
chr17	19470861	19470861	+	4.849E-19	9.8176E-18	0.300988	hyper	sig	chr17_19470861
chr13	52739803	52739803	+	4.85E-19	9.8191E-18	0.351453	hyper	sig	chr13_52739803
chr13	78608083	78608083	+	4.85E-19	9.8197E-18	0.316027	hyper	sig	chr13_78608083
chr7	32761667	32761667	+	4.851E-19	9.8202E-18	0.269581	hyper	sig	chr7_32761667
chr7	1.57E+08	157014780	+	4.851E-19	9.8208E-18	0.279866	hyper	sig	chr7_157014780
chr14	28760067	28760067	+	4.854E-19	9.8251E-18	0.336422	hyper	sig	chr14_28760067
chr7	27158570	27158570	+	4.854E-19	9.8261E-18	-0.26376	hypo	sig	chr7_27158570
chr11	69086467	69086467	+	4.857E-19	9.8309E-18	0.272526	hyper	sig	chr11_69086467
chr7	1.29E+08	128511920	+	4.86E-19	9.8376E-18	-0.25065	hypo	sig	chr7_128511920
chr15	28107229	28107229	+	4.861E-19	9.8395E-18	0.244619	hyper	sig	chr15_28107229
chr2	72921074	72921074	+	4.864E-19	9.8459E-18	0.355389	hyper	sig	chr2_72921074
chr17	4969243	4969243	+	4.865E-19	9.8468E-18	0.265353	hyper	sig	chr17_4969243

chr12	1.32E+08	132446003	+	4.866E-19	9.8485E-18	-0.26609	hypo	sig	chr12_132446003
chr7	56810456	56810456	+	4.867E-19	9.8508E-18	-0.34644	hypo	sig	chr7_56810456
chr11	1.16E+08	115660272	+	4.868E-19	9.8524E-18	0.212509	hyper	sig	chr11_115660272
chr7	82442810	82442810	+	4.869E-19	9.8534E-18	0.202934	hyper	sig	chr7_82442810
chr12	47078523	47078523	+	4.871E-19	9.858E-18	0.253836	hyper	sig	chr12_47078523
chr10	1.01E+08	100659540	+	4.874E-19	9.8633E-18	0.316862	hyper	sig	chr10_100659540
chr11	95150240	95150240	+	4.881E-19	9.8774E-18	-0.29239	hypo	sig	chr11_95150240
chr15	25657187	25657187	+	4.883E-19	9.8802E-18	-0.26968	hypo	sig	chr15_25657187
chr20	33168137	33168137	+	4.883E-19	9.8811E-18	-0.3111	hypo	sig	chr20_33168137
chr15	93422842	93422842	+	4.886E-19	9.887E-18	-0.29609	hypo	sig	chr15_93422842
chr1	37479448	37479448	+	4.888E-19	9.8895E-18	-0.28608	hypo	sig	chr1_37479448
chr11	65616850	65616850	+	4.891E-19	9.8955E-18	-0.25246	hypo	sig	chr11_65616850
chr19	35225023	35225023	+	4.9E-19	9.9139E-18	0.320122	hyper	sig	chr19_35225023
chr7	1.58E+08	157692571	+	4.915E-19	9.9441E-18	0.311398	hyper	sig	chr7_157692571
chr17	77281969	77281969	+	4.918E-19	9.9499E-18	-0.21698	hypo	sig	chr17_77281969
chr4	1.74E+08	173524772	+	4.918E-19	9.9499E-18	0.36244	hyper	sig	chr4_173524772
chr17	81026804	81026804	+	4.92E-19	9.9521E-18	0.275049	hyper	sig	chr17_81026804
chr3	1.23E+08	123447792	+	4.921E-19	9.9539E-18	0.371734	hyper	sig	chr3_123447792
chr1	1.11E+08	111271194	+	4.921E-19	9.9545E-18	0.28865	hyper	sig	chr1_111271194
chr10	688328	688328	+	4.924E-19	9.9592E-18	0.359295	hyper	sig	chr10_688328
chr12	10098972	10098972	+	4.926E-19	9.9648E-18	0.235577	hyper	sig	chr12_10098972
chr2	1665300	1665300	+	4.929E-19	9.9706E-18	-0.25261	hypo	sig	chr2_1665300
chr2	1.61E+08	161427339	+	4.93E-19	9.9722E-18	0.276602	hyper	sig	chr2_161427339
chr6	1.49E+08	148748734	+	4.931E-19	9.9732E-18	0.208242	hyper	sig	chr6_148748734
chr1	91546504	91546504	+	4.933E-19	9.9781E-18	-0.23936	hypo	sig	chr1_91546504
chr16	85911986	85911986	+	4.934E-19	9.9794E-18	0.296652	hyper	sig	chr16_85911986
chr1	16220434	16220434	+	4.937E-19	9.985E-18	-0.23728	hypo	sig	chr1_16220434
chr9	1.31E+08	131274899	+	4.941E-19	9.9917E-18	-0.31033	hypo	sig	chr9_131274899
chr13	40537327	40537327	+	4.941E-19	9.9931E-18	-0.2488	hypo	sig	chr13_40537327
chr17	3386154	3386154	+	4.948E-19	1.0006E-17	0.301556	hyper	sig	chr17_3386154
chr15	82647485	82647485	+	4.948E-19	1.0006E-17	0.237141	hyper	sig	chr15_82647485
chr7	1602286	1602286	+	4.95E-19	1.0009E-17	-0.25687	hypo	sig	chr7_1602286
chr13	63811524	63811524	+	4.955E-19	1.0019E-17	-0.30323	hypo	sig	chr13_63811524
chr8	1.01E+08	101492201	+	4.955E-19	1.002E-17	-0.24356	hypo	sig	chr8_101492201
chr2	2.39E+08	238555075	+	4.962E-19	1.0032E-17	-0.262	hypo	sig	chr2_238555075
chr1	1127424	1127424	+	4.964E-19	1.0036E-17	-0.27891	hypo	sig	chr1_1127424
chr10	86263159	86263159	+	4.964E-19	1.0037E-17	0.268179	hyper	sig	chr10_86263159
chr16	54291342	54291342	+	4.965E-19	1.0039E-17	0.324693	hyper	sig	chr16_54291342
chr5	1.77E+08	176889968	+	4.966E-19	1.004E-17	-0.40591	hypo	sig	chr5_176889968
chr5	1.49E+08	149387497	+	4.97E-19	1.0048E-17	0.376963	hyper	sig	chr5_149387497
chr3	1.72E+08	172448392	+	4.971E-19	1.0049E-17	0.300446	hyper	sig	chr3_172448392
chr3	1.71E+08	170585262	+	4.971E-19	1.005E-17	0.356024	hyper	sig	chr3_170585262
chr9	1.38E+08	137549926	+	4.972E-19	1.005E-17	-0.25562	hypo	sig	chr9_137549926
chr5	1291764	1291764	+	4.98E-19	1.0066E-17	-0.33008	hypo	sig	chr5_1291764
chr15	90933980	90933980	+	4.983E-19	1.0072E-17	-0.2001	hypo	sig	chr15_90933980
chr3	1.97E+08	196754748	+	4.983E-19	1.0073E-17	-0.28441	hypo	sig	chr3_196754748
chr1	44638354	44638354	+	4.985E-19	1.0077E-17	0.267137	hyper	sig	chr1_44638354
chr16	86495075	86495075	+	4.988E-19	1.0081E-17	0.288557	hyper	sig	chr16_86495075
chr13	44575570	44575570	+	4.989E-19	1.0084E-17	0.288109	hyper	sig	chr13_44575570
chr2	484912	484912	+	4.994E-19	1.0092E-17	-0.2383	hypo	sig	chr2_484912
chr6	10881785	10881785	+	5.001E-19	1.0106E-17	0.280603	hyper	sig	chr6_10881785
chr10	86263326	86263326	+	5.004E-19	1.0113E-17	0.32824	hyper	sig	chr10_86263326
chr12	1.33E+08	132908297	+	5.01E-19	1.0125E-17	0.20553	hyper	sig	chr12_132908297
chr10	43667343	43667343	+	5.015E-19	1.0135E-17	0.258763	hyper	sig	chr10_43667343
chr7	1.5E+08	149723533	+	5.031E-19	1.0167E-17	-0.25346	hypo	sig	chr7_149723533
chr11	65607732	65607732	+	5.034E-19	1.0173E-17	0.287317	hyper	sig	chr11_65607732

chr9	1052567	1052567	+	5.038E-19	1.018E-17	0.326748	hyper	sig	chr9_1052567
chr22	45004917	45004917	+	5.048E-19	1.02E-17	-0.31387	hypo	sig	chr22_45004917
chr12	49295434	49295434	+	5.05E-19	1.0203E-17	0.208948	hyper	sig	chr12_49295434
chr13	1.09E+08	109125496	+	5.054E-19	1.0212E-17	-0.28739	hypo	sig	chr13_109125496
chr16	29218921	29218921	+	5.055E-19	1.0214E-17	-0.32045	hypo	sig	chr16_29218921
chr7	1.51E+08	151051431	+	5.056E-19	1.0214E-17	0.246026	hyper	sig	chr7_151051431
chr5	1.41E+08	141183825	+	5.058E-19	1.0219E-17	0.294654	hyper	sig	chr5_141183825
chr1	2.02E+08	202010620	+	5.059E-19	1.022E-17	-0.28181	hypo	sig	chr1_202010620
chr8	64371472	64371472	+	5.06E-19	1.0222E-17	0.309669	hyper	sig	chr8_64371472
chr17	64778824	64778824	+	5.062E-19	1.0226E-17	0.296198	hyper	sig	chr17_64778824
chr19	18008236	18008236	+	5.063E-19	1.0227E-17	0.225881	hyper	sig	chr19_18008236
chr8	49910013	49910013	+	5.066E-19	1.0233E-17	0.334485	hyper	sig	chr8_49910013
chr11	1.12E+08	111513166	+	5.066E-19	1.0234E-17	0.218461	hyper	sig	chr11_111513166
chr4	1.47E+08	146637281	+	5.067E-19	1.0235E-17	0.348535	hyper	sig	chr4_146637281
chr13	1.12E+08	111857431	+	5.073E-19	1.0246E-17	-0.24201	hypo	sig	chr13_111857431
chr19	55640333	55640333	+	5.074E-19	1.0248E-17	0.282323	hyper	sig	chr19_55640333
chr9	93953894	93953894	+	5.078E-19	1.0256E-17	0.342155	hyper	sig	chr9_93953894
chr12	53960418	53960418	+	5.078E-19	1.0256E-17	0.289651	hyper	sig	chr12_53960418
chr6	28091124	28091124	+	5.082E-19	1.0263E-17	0.254083	hyper	sig	chr6_28091124
chr21	44338247	44338247	+	5.083E-19	1.0265E-17	0.26361	hyper	sig	chr21_44338247
chr7	57180038	57180038	+	5.086E-19	1.0271E-17	-0.25905	hypo	sig	chr7_57180038
chr3	68931851	68931851	+	5.086E-19	1.0272E-17	0.285156	hyper	sig	chr3_68931851
chr20	63417550	63417550	+	5.091E-19	1.028E-17	-0.3039	hypo	sig	chr20_63417550
chr1	52637590	52637590	+	5.091E-19	1.028E-17	-0.28013	hypo	sig	chr1_52637590
chr10	1.25E+08	124648217	+	5.094E-19	1.0285E-17	-0.28182	hypo	sig	chr10_124648217
chr17	82332217	82332217	+	5.094E-19	1.0285E-17	-0.24474	hypo	sig	chr17_82332217
chr17	57089788	57089788	+	5.095E-19	1.0287E-17	0.256838	hyper	sig	chr17_57089788
chr12	1.27E+08	127280948	+	5.096E-19	1.0289E-17	0.268507	hyper	sig	chr12_127280948
chr16	88393037	88393037	+	5.105E-19	1.0308E-17	-0.24962	hypo	sig	chr16_88393037
chr17	36946101	36946101	+	5.106E-19	1.031E-17	0.236545	hyper	sig	chr17_36946101
chr10	93065713	93065713	+	5.11E-19	1.0317E-17	0.393751	hyper	sig	chr10_93065713
chr15	26968011	26968011	+	5.111E-19	1.0319E-17	0.365915	hyper	sig	chr15_26968011
chr22	27026162	27026162	+	5.112E-19	1.0322E-17	-0.40711	hypo	sig	chr22_27026162
chr4	1.56E+08	155758898	+	5.113E-19	1.0322E-17	0.30584	hyper	sig	chr4_155758898
chr4	1.83E+08	182842366	+	5.116E-19	1.0328E-17	-0.2646	hypo	sig	chr4_182842366
chr11	1.17E+08	117181530	+	5.118E-19	1.0332E-17	0.263381	hyper	sig	chr11_117181530
chr19	1075068	1075068	+	5.119E-19	1.0333E-17	-0.23635	hypo	sig	chr19_1075068
chr7	1.56E+08	156177494	+	5.119E-19	1.0333E-17	-0.26607	hypo	sig	chr7_156177494
chr20	38729424	38729424	+	5.123E-19	1.034E-17	0.22859	hyper	sig	chr20_38729424
chr13	78607955	78607955	+	5.124E-19	1.0342E-17	0.325859	hyper	sig	chr13_78607955
chr9	1.24E+08	124291821	+	5.124E-19	1.0343E-17	0.330392	hyper	sig	chr9_124291821
chr16	86571266	86571266	+	5.126E-19	1.0346E-17	0.226272	hyper	sig	chr16_86571266
chr2	1.09E+08	109172276	+	5.131E-19	1.0357E-17	0.344717	hyper	sig	chr2_109172276
chr2	2.37E+08	237372317	+	5.139E-19	1.0372E-17	-0.24496	hypo	sig	chr2_237372317
chr4	213424	213424	+	5.143E-19	1.0379E-17	0.38256	hyper	sig	chr4_213424
chr15	68711695	68711695	+	5.144E-19	1.0382E-17	-0.28495	hypo	sig	chr15_68711695
chr7	1.54E+08	153887358	+	5.159E-19	1.0411E-17	0.322206	hyper	sig	chr7_153887358
chr17	1271566	1271566	+	5.165E-19	1.0423E-17	0.320358	hyper	sig	chr17_1271566
chr5	83473099	83473099	+	5.165E-19	1.0424E-17	0.208329	hyper	sig	chr5_83473099
chr11	1.25E+08	125489543	+	5.167E-19	1.0427E-17	-0.2624	hypo	sig	chr11_125489543
chr11	61773529	61773529	+	5.181E-19	1.0455E-17	0.302333	hyper	sig	chr11_61773529
chr19	2428516	2428516	+	5.184E-19	1.046E-17	0.26042	hyper	sig	chr19_2428516
chr14	64703554	64703554	+	5.186E-19	1.0465E-17	-0.31745	hypo	sig	chr14_64703554
chr16	51150931	51150931	+	5.188E-19	1.0468E-17	0.367078	hyper	sig	chr16_51150931
chr6	28259307	28259307	+	5.196E-19	1.0484E-17	0.286333	hyper	sig	chr6_28259307
chr18	905087	905087	+	5.2E-19	1.0492E-17	0.320315	hyper	sig	chr18_905087

chr1	4599628	4599628	+	5.201E-19	1.0493E-17	-0.28765	hypo	sig	chr1_4599628
chr1	1.19E+08	119000537	+	5.201E-19	1.0494E-17	0.28453	hyper	sig	chr1_119000537
chr2	2.33E+08	232633972	+	5.202E-19	1.0494E-17	0.243775	hyper	sig	chr2_232633972
chr9	1.24E+08	124343445	+	5.202E-19	1.0494E-17	0.273612	hyper	sig	chr9_124343445
chr2	2.08E+08	207767707	+	5.205E-19	1.0501E-17	-0.26333	hypo	sig	chr2_207767707
chr15	99426633	99426633	+	5.212E-19	1.0515E-17	-0.31051	hypo	sig	chr15_99426633
chr1	1.57E+08	156657307	+	5.215E-19	1.052E-17	0.340676	hyper	sig	chr1_156657307
chr20	46246740	46246740	+	5.221E-19	1.0533E-17	0.267122	hyper	sig	chr20_46246740
chr5	71719153	71719153	+	5.222E-19	1.0533E-17	0.413729	hyper	sig	chr5_71719153
chr2	2.39E+08	239291427	+	5.227E-19	1.0544E-17	0.232086	hyper	sig	chr2_239291427
chr10	1.33E+08	132785008	+	5.23E-19	1.055E-17	0.360647	hyper	sig	chr10_132785008
chr1	1.47E+08	147178238	+	5.231E-19	1.055E-17	0.262136	hyper	sig	chr1_147178238
chr7	1.52E+08	151736280	+	5.24E-19	1.0568E-17	0.287221	hyper	sig	chr7_151736280
chr4	6658733	6658733	+	5.24E-19	1.0569E-17	0.211135	hyper	sig	chr4_6658733
chr13	36432141	36432141	+	5.245E-19	1.0579E-17	0.257102	hyper	sig	chr13_36432141
chr5	1.79E+08	179205529	+	5.248E-19	1.0584E-17	0.251809	hyper	sig	chr5_179205529
chr8	74984859	74984859	+	5.249E-19	1.0585E-17	0.222062	hyper	sig	chr8_74984859
chr18	23137439	23137439	+	5.256E-19	1.06E-17	-0.2902	hypo	sig	chr18_23137439
chr14	1.01E+08	100851482	+	5.256E-19	1.06E-17	-0.31816	hypo	sig	chr14_100851482
chr13	1.1E+08	109782183	+	5.258E-19	1.0603E-17	-0.49265	hypo	sig	chr13_109782183
chr6	62285951	62285951	+	5.259E-19	1.0605E-17	0.359244	hyper	sig	chr6_62285951
chr5	1.56E+08	155728835	+	5.269E-19	1.0625E-17	0.246374	hyper	sig	chr5_155728835
chr2	2.31E+08	230869864	+	5.27E-19	1.0626E-17	0.245688	hyper	sig	chr2_230869864
chr8	64374527	64374527	+	5.27E-19	1.0627E-17	0.32486	hyper	sig	chr8_64374527
chr8	53251474	53251474	+	5.273E-19	1.0631E-17	0.315166	hyper	sig	chr8_53251474
chr5	1.78E+08	177985585	+	5.273E-19	1.0631E-17	0.357414	hyper	sig	chr5_177985585
chr17	74670553	74670553	+	5.275E-19	1.0635E-17	-0.27767	hypo	sig	chr17_74670553
chr12	1.29E+08	128854238	+	5.276E-19	1.0636E-17	0.263899	hyper	sig	chr12_128854238
chr6	10883966	10883966	+	5.28E-19	1.0644E-17	0.32693	hyper	sig	chr6_10883966
chr2	68319920	68319920	+	5.287E-19	1.0659E-17	0.335672	hyper	sig	chr2_68319920
chr14	76350404	76350404	+	5.293E-19	1.067E-17	-0.31749	hypo	sig	chr14_76350404
chr9	1.36E+08	135740251	+	5.293E-19	1.0671E-17	-0.35922	hypo	sig	chr9_135740251
chr10	1.01E+08	100659610	+	5.3E-19	1.0685E-17	0.302955	hyper	sig	chr10_100659610
chr11	67665677	67665677	+	5.301E-19	1.0686E-17	-0.28062	hypo	sig	chr11_67665677
chr1	3012006	3012006	+	5.309E-19	1.0702E-17	0.287618	hyper	sig	chr1_3012006
chr13	1.13E+08	112771946	+	5.311E-19	1.0704E-17	-0.3031	hypo	sig	chr13_112771946
chr5	1.29E+08	128537916	+	5.313E-19	1.0708E-17	0.303259	hyper	sig	chr5_128537916
chr3	42265531	42265531	+	5.313E-19	1.0709E-17	0.395321	hyper	sig	chr3_42265531
chr19	4829513	4829513	+	5.314E-19	1.0711E-17	-0.24178	hypo	sig	chr19_4829513
chr5	1.41E+08	141427856	+	5.315E-19	1.0711E-17	0.23841	hyper	sig	chr5_141427856
chr6	27260584	27260584	+	5.317E-19	1.0715E-17	0.274795	hyper	sig	chr6_27260584
chr7	64495381	64495381	+	5.317E-19	1.0716E-17	0.329662	hyper	sig	chr7_64495381
chr19	3881279	3881279	+	5.32E-19	1.0721E-17	0.308418	hyper	sig	chr19_3881279
chr5	430372	430372	+	5.321E-19	1.0723E-17	-0.3515	hypo	sig	chr5_430372
chr17	4785274	4785274	+	5.326E-19	1.0733E-17	0.276357	hyper	sig	chr17_4785274
chr4	7650401	7650401	+	5.327E-19	1.0735E-17	-0.30667	hypo	sig	chr4_7650401
chr8	90984754	90984754	+	5.329E-19	1.0739E-17	0.257483	hyper	sig	chr8_90984754
chr11	47337705	47337705	+	5.329E-19	1.0739E-17	-0.28824	hypo	sig	chr11_47337705
chr16	3183075	3183075	+	5.333E-19	1.0747E-17	0.245638	hyper	sig	chr16_3183075
chr12	50953245	50953245	+	5.334E-19	1.0748E-17	0.254759	hyper	sig	chr12_50953245
chr1	2.17E+08	217138203	+	5.336E-19	1.0752E-17	0.249985	hyper	sig	chr1_217138203
chr15	67826955	67826955	+	5.337E-19	1.0752E-17	0.383993	hyper	sig	chr15_67826955
chr2	1.19E+08	118849556	+	5.337E-19	1.0753E-17	0.27257	hyper	sig	chr2_118849556
chr11	1.29E+08	129372673	+	5.343E-19	1.0765E-17	0.307456	hyper	sig	chr11_129372673
chr1	2.14E+08	213980112	+	5.351E-19	1.078E-17	0.302144	hyper	sig	chr1_213980112
chr1	1.47E+08	147080780	+	5.352E-19	1.0782E-17	0.247315	hyper	sig	chr1_147080780

chr8	38601031	38601031	+	5.352E-19	1.0782E-17	-0.23495	hypo	sig	chr8_38601031
chr19	6271863	6271863	+	5.356E-19	1.0791E-17	0.381048	hyper	sig	chr19_6271863
chr4	1.22E+08	121764520	+	5.357E-19	1.0792E-17	0.272892	hyper	sig	chr4_121764520
chr3	1.34E+08	134326832	+	5.363E-19	1.0803E-17	0.264526	hyper	sig	chr3_134326832
chr7	30687243	30687243	+	5.365E-19	1.0806E-17	-0.31064	hypo	sig	chr7_30687243
chr19	9363201	9363201	+	5.368E-19	1.0812E-17	0.349543	hyper	sig	chr19_9363201
chr13	22897426	22897426	+	5.368E-19	1.0813E-17	-0.38211	hypo	sig	chr13_22897426
chr6	32167284	32167284	+	5.37E-19	1.0815E-17	0.251128	hyper	sig	chr6_32167284
chr11	70826925	70826925	+	5.371E-19	1.0817E-17	0.251071	hyper	sig	chr11_70826925
chr11	2156268	2156268	+	5.375E-19	1.0825E-17	-0.26448	hypo	sig	chr11_2156268
chr4	1.57E+08	157220793	+	5.378E-19	1.0832E-17	0.285121	hyper	sig	chr4_157220793
chr2	2.22E+08	222297327	+	5.383E-19	1.084E-17	0.25761	hyper	sig	chr2_222297327
chr6	1.28E+08	127519559	+	5.385E-19	1.0844E-17	0.210984	hyper	sig	chr6_127519559
chr16	25691249	25691249	+	5.387E-19	1.0849E-17	0.242314	hyper	sig	chr16_25691249
chr6	10385136	10385136	+	5.389E-19	1.0852E-17	0.387579	hyper	sig	chr6_10385136
chr7	20776564	20776564	+	5.392E-19	1.0858E-17	0.27791	hyper	sig	chr7_20776564
chr3	14564337	14564337	+	5.393E-19	1.086E-17	-0.30467	hypo	sig	chr3_14564337
chr7	4835547	4835547	+	5.395E-19	1.0863E-17	-0.29618	hypo	sig	chr7_4835547
chr1	2.46E+08	245788301	+	5.395E-19	1.0863E-17	-0.25812	hypo	sig	chr1_245788301
chr2	1563241	1563241	+	5.399E-19	1.087E-17	-0.28522	hypo	sig	chr2_1563241
chr1	2.05E+08	205440987	+	5.399E-19	1.0871E-17	-0.33035	hypo	sig	chr1_205440987
chr16	474857	474857	+	5.401E-19	1.0874E-17	-0.26542	hypo	sig	chr16_474857
chr1	57423040	57423040	+	5.402E-19	1.0876E-17	0.310868	hyper	sig	chr1_57423040
chr8	1.43E+08	143219424	+	5.404E-19	1.0879E-17	-0.29215	hypo	sig	chr8_143219424
chr7	1.57E+08	157318649	+	5.405E-19	1.0881E-17	-0.24166	hypo	sig	chr7_157318649
chr16	29252057	29252057	+	5.411E-19	1.0893E-17	-0.29324	hypo	sig	chr16_29252057
chr17	39166287	39166287	+	5.411E-19	1.0894E-17	-0.23564	hypo	sig	chr17_39166287
chr2	2.33E+08	232979999	+	5.414E-19	1.0899E-17	-0.31423	hypo	sig	chr2_232979999
chr17	20938303	20938303	+	5.415E-19	1.09E-17	-0.26101	hypo	sig	chr17_20938303
chr11	2933580	2933580	+	5.419E-19	1.0908E-17	-0.20868	hypo	sig	chr11_2933580
chr2	96859258	96859258	+	5.423E-19	1.0915E-17	0.301373	hyper	sig	chr2_96859258
chr16	29218961	29218961	+	5.425E-19	1.092E-17	-0.38526	hypo	sig	chr16_29218961
chr15	89377717	89377717	+	5.436E-19	1.0941E-17	0.260451	hyper	sig	chr15_89377717
chr5	1.73E+08	173234115	+	5.439E-19	1.0948E-17	0.355333	hyper	sig	chr5_173234115
chr11	1.24E+08	123560041	+	5.44E-19	1.0949E-17	0.326181	hyper	sig	chr11_123560041
chr19	3828607	3828607	+	5.441E-19	1.0951E-17	-0.28682	hypo	sig	chr19_3828607
chr10	99234156	99234156	+	5.445E-19	1.0957E-17	0.208467	hyper	sig	chr10_99234156
chr11	89491874	89491874	+	5.445E-19	1.0957E-17	-0.36837	hypo	sig	chr11_89491874
chr7	27239961	27239961	+	5.445E-19	1.0957E-17	0.270999	hyper	sig	chr7_27239961
chr15	25696689	25696689	+	5.446E-19	1.0959E-17	-0.30532	hypo	sig	chr15_25696689
chr2	1.35E+08	134717888	+	5.448E-19	1.0963E-17	0.358907	hyper	sig	chr2_134717888
chr4	1.4E+08	140426931	+	5.45E-19	1.0968E-17	0.224934	hyper	sig	chr4_140426931
chr17	36939435	36939435	+	5.451E-19	1.0969E-17	0.281322	hyper	sig	chr17_36939435
chr15	93071741	93071741	+	5.453E-19	1.0973E-17	0.267081	hyper	sig	chr15_93071741
chr14	24172304	24172304	+	5.455E-19	1.0977E-17	0.259179	hyper	sig	chr14_24172304
chr7	39410537	39410537	+	5.46E-19	1.0985E-17	-0.27567	hypo	sig	chr7_39410537
chr3	1.26E+08	126361564	+	5.462E-19	1.0991E-17	-0.29946	hypo	sig	chr3_126361564
chr13	1.02E+08	101919860	+	5.463E-19	1.0991E-17	0.30805	hyper	sig	chr13_101919860
chr13	1.13E+08	112772341	+	5.467E-19	1.0999E-17	-0.37576	hypo	sig	chr13_112772341
chr13	1.13E+08	113022648	+	5.474E-19	1.1012E-17	0.272648	hyper	sig	chr13_113022648
chr8	806993	806993	+	5.474E-19	1.1014E-17	-0.30407	hypo	sig	chr8_806993
chr9	2623188	2623188	+	5.478E-19	1.1021E-17	0.279533	hyper	sig	chr9_2623188
chr5	1.78E+08	177607963	+	5.483E-19	1.103E-17	0.288054	hyper	sig	chr5_177607963
chr1	1.57E+08	156647056	+	5.494E-19	1.1052E-17	0.278601	hyper	sig	chr1_156647056
chr2	10497839	10497839	+	5.495E-19	1.1054E-17	-0.27412	hypo	sig	chr2_10497839
chr11	27720808	27720808	+	5.495E-19	1.1054E-17	0.224624	hyper	sig	chr11_27720808

chr6	1.59E+08	158819742	+	5.504E-19	1.1072E-17	-0.28378	hypo	sig	chr6_158819742
chr7	32318822	32318822	+	5.506E-19	1.1076E-17	0.368067	hyper	sig	chr7_32318822
chr11	1.25E+08	124868611	+	5.509E-19	1.1081E-17	0.318766	hyper	sig	chr11_124868611
chr4	54109595	54109595	+	5.513E-19	1.1088E-17	0.210025	hyper	sig	chr4_54109595
chr16	88101242	88101242	+	5.516E-19	1.1095E-17	0.267965	hyper	sig	chr16_88101242
chr14	36655799	36655799	+	5.516E-19	1.1095E-17	0.291533	hyper	sig	chr14_36655799
chr7	6737412	6737412	+	5.518E-19	1.1098E-17	0.31837	hyper	sig	chr7_6737412
chr16	62036262	62036262	+	5.52E-19	1.1102E-17	0.288458	hyper	sig	chr16_62036262
chr11	8169079	8169079	+	5.521E-19	1.1103E-17	0.231408	hyper	sig	chr11_8169079
chr14	1.02E+08	102215249	+	5.527E-19	1.1114E-17	0.315062	hyper	sig	chr14_102215249
chr13	25094282	25094282	+	5.528E-19	1.1117E-17	-0.28138	hypo	sig	chr13_25094282
chr14	47675826	47675826	+	5.532E-19	1.1124E-17	0.237755	hyper	sig	chr14_47675826
chr2	2.06E+08	205686539	+	5.532E-19	1.1125E-17	0.284848	hyper	sig	chr2_205686539
chr9	1.25E+08	124852190	+	5.534E-19	1.1128E-17	0.286398	hyper	sig	chr9_124852190
chr2	99594151	99594151	+	5.539E-19	1.1137E-17	-0.30982	hypo	sig	chr2_99594151
chr5	1.54E+08	154476673	+	5.539E-19	1.1138E-17	0.250015	hyper	sig	chr5_154476673
chr4	1.74E+08	173530129	+	5.553E-19	1.1165E-17	0.210543	hyper	sig	chr4_173530129
chr2	469008	469008	+	5.556E-19	1.1171E-17	0.255899	hyper	sig	chr2_469008
chr3	1.8E+08	180036749	+	5.561E-19	1.1182E-17	0.250475	hyper	sig	chr3_180036749
chr2	44933488	44933488	+	5.562E-19	1.1183E-17	0.299673	hyper	sig	chr2_44933488
chr20	21699223	21699223	+	5.571E-19	1.12E-17	0.283493	hyper	sig	chr20_21699223
chr5	42994000	42994000	+	5.579E-19	1.1216E-17	0.247145	hyper	sig	chr5_42994000
chr9	34591043	34591043	+	5.586E-19	1.1229E-17	-0.26563	hypo	sig	chr9_34591043
chr9	1.31E+08	130991175	+	5.602E-19	1.126E-17	-0.3969	hypo	sig	chr9_130991175
chr7	1E+08	100077407	+	5.609E-19	1.1274E-17	-0.2798	hypo	sig	chr7_100077407
chr5	83493622	83493622	+	5.61E-19	1.1276E-17	-0.27272	hypo	sig	chr5_83493622
chr20	40690695	40690695	+	5.61E-19	1.1276E-17	0.256217	hyper	sig	chr20_40690695
chr12	1.19E+08	118774553	+	5.611E-19	1.1277E-17	0.244709	hyper	sig	chr12_118774553
chr4	7415686	7415686	+	5.613E-19	1.1282E-17	-0.31522	hypo	sig	chr4_7415686
chr3	1.3E+08	129975158	+	5.617E-19	1.129E-17	0.306338	hyper	sig	chr3_129975158
chr2	1.19E+08	118858037	+	5.62E-19	1.1294E-17	0.264583	hyper	sig	chr2_118858037
chr16	68642673	68642673	+	5.621E-19	1.1297E-17	0.246374	hyper	sig	chr16_68642673
chr2	656861	656861	+	5.625E-19	1.1305E-17	-0.34661	hypo	sig	chr2_656861
chr6	1.66E+08	165847446	+	5.631E-19	1.1316E-17	-0.30431	hypo	sig	chr6_165847446
chr5	1.11E+08	111070771	+	5.633E-19	1.132E-17	0.229281	hyper	sig	chr5_111070771
chr12	98893712	98893712	+	5.635E-19	1.1325E-17	0.251756	hyper	sig	chr12_98893712
chr19	58350752	58350752	+	5.636E-19	1.1326E-17	0.338666	hyper	sig	chr19_58350752
chr14	1.04E+08	103879545	+	5.644E-19	1.1341E-17	-0.32707	hypo	sig	chr14_103879545
chr19	871032	871032	+	5.647E-19	1.1346E-17	0.265565	hyper	sig	chr19_871032
chr12	1.24E+08	123909293	+	5.65E-19	1.1353E-17	-0.27289	hypo	sig	chr12_123909293
chr3	26624035	26624035	+	5.652E-19	1.1357E-17	0.285665	hyper	sig	chr3_26624035
chr1	1.47E+08	147073224	+	5.656E-19	1.1364E-17	0.282449	hyper	sig	chr1_147073224
chr13	27921828	27921828	+	5.656E-19	1.1365E-17	0.319111	hyper	sig	chr13_27921828
chr20	41366260	41366260	+	5.658E-19	1.1368E-17	0.426418	hyper	sig	chr20_41366260
chr14	64773225	64773225	+	5.66E-19	1.1372E-17	-0.27829	hypo	sig	chr14_64773225
chr12	52970747	52970747	+	5.662E-19	1.1375E-17	-0.25401	hypo	sig	chr12_52970747
chr19	53521549	53521549	+	5.669E-19	1.1388E-17	0.295974	hyper	sig	chr19_53521549
chr5	1.29E+08	128965797	+	5.672E-19	1.1395E-17	0.314976	hyper	sig	chr5_128965797
chr13	1.13E+08	113109444	+	5.673E-19	1.1397E-17	0.321787	hyper	sig	chr13_113109444
chr2	2.32E+08	231662720	+	5.681E-19	1.1412E-17	-0.24654	hypo	sig	chr2_231662720
chr4	1.11E+08	110641443	+	5.687E-19	1.1424E-17	0.342567	hyper	sig	chr4_110641443
chr13	27796885	27796885	+	5.688E-19	1.1425E-17	0.304075	hyper	sig	chr13_27796885
chr1	1.51E+08	151145925	+	5.69E-19	1.1429E-17	0.245602	hyper	sig	chr1_151145925
chr4	5708131	5708131	+	5.692E-19	1.1433E-17	0.280606	hyper	sig	chr4_5708131
chr7	35254872	35254872	+	5.693E-19	1.1434E-17	0.376844	hyper	sig	chr7_35254872
chr1	14415879	14415879	+	5.693E-19	1.1434E-17	-0.30653	hypo	sig	chr1_14415879

chr16	1136203	1136203	+	5.704E-19	1.1456E-17	-0.22885	hypo	sig	chr16_1136203
chr19	1523094	1523094	+	5.709E-19	1.1466E-17	-0.30887	hypo	sig	chr19_1523094
chr7	1E+08	100476313	+	5.711E-19	1.147E-17	0.296882	hyper	sig	chr7_100476313
chr1	3021631	3021631	+	5.714E-19	1.1475E-17	-0.29033	hypo	sig	chr1_3021631
chr7	1620845	1620845	+	5.718E-19	1.1482E-17	-0.29926	hypo	sig	chr7_1620845
chr12	49904170	49904170	+	5.72E-19	1.1486E-17	0.250424	hyper	sig	chr12_49904170
chr16	55656567	55656567	+	5.726E-19	1.1498E-17	0.24958	hyper	sig	chr16_55656567
chr17	82228311	82228311	+	5.726E-19	1.1498E-17	-0.26857	hypo	sig	chr17_82228311
chr8	1.04E+08	103500873	+	5.727E-19	1.15E-17	0.286618	hyper	sig	chr8_103500873
chr16	3192691	3192691	+	5.732E-19	1.151E-17	0.344722	hyper	sig	chr16_3192691
chr8	1.44E+08	144012484	+	5.734E-19	1.1513E-17	-0.29251	hypo	sig	chr8_144012484
chr13	1.12E+08	111893738	+	5.735E-19	1.1515E-17	0.272081	hyper	sig	chr13_111893738
chr22	24583468	24583468	+	5.738E-19	1.152E-17	0.238835	hyper	sig	chr22_24583468
chr11	1.32E+08	131910443	+	5.738E-19	1.1521E-17	0.237965	hyper	sig	chr11_131910443
chr8	60908881	60908881	+	5.74E-19	1.1524E-17	-0.20275	hypo	sig	chr8_60908881
chr8	1302198	1302198	+	5.741E-19	1.1526E-17	-0.29045	hypo	sig	chr8_1302198
chr1	3217641	3217641	+	5.746E-19	1.1535E-17	0.298456	hyper	sig	chr1_3217641
chr1	2.18E+08	218346801	+	5.746E-19	1.1535E-17	0.271569	hyper	sig	chr1_218346801
chr7	1.37E+08	136869150	+	5.748E-19	1.1539E-17	0.317307	hyper	sig	chr7_136869150
chr6	30260582	30260582	+	5.749E-19	1.154E-17	0.235613	hyper	sig	chr6_30260582
chr17	21452902	21452902	+	5.749E-19	1.1541E-17	0.271908	hyper	sig	chr17_21452902
chr1	2.08E+08	207819179	+	5.751E-19	1.1544E-17	0.261443	hyper	sig	chr1_207819179
chr1	1.57E+08	156657385	+	5.756E-19	1.1553E-17	0.355675	hyper	sig	chr1_156657385
chr1	1.71E+08	170669778	+	5.761E-19	1.1564E-17	0.300907	hyper	sig	chr1_170669778
chr13	99972601	99972601	+	5.761E-19	1.1564E-17	0.308973	hyper	sig	chr13_99972601
chr5	1.41E+08	140848935	+	5.761E-19	1.1564E-17	0.375354	hyper	sig	chr5_140848935
chr22	46686006	46686006	+	5.766E-19	1.1572E-17	-0.26874	hypo	sig	chr22_46686006
chr11	1.16E+08	116361655	+	5.767E-19	1.1574E-17	-0.25851	hypo	sig	chr11_116361655
chr6	10425397	10425397	+	5.771E-19	1.1583E-17	0.281864	hyper	sig	chr6_10425397
chr15	1.01E+08	101009084	+	5.776E-19	1.1591E-17	-0.24905	hypo	sig	chr15_101009084
chr5	1.19E+08	119355260	+	5.783E-19	1.1606E-17	-0.28348	hypo	sig	chr5_119355260
chr16	1149983	1149983	+	5.785E-19	1.1609E-17	0.244652	hyper	sig	chr16_1149983
chr16	1961212	1961212	+	5.786E-19	1.1611E-17	-0.29708	hypo	sig	chr16_1961212
chr7	21542904	21542904	+	5.789E-19	1.1616E-17	0.242113	hyper	sig	chr7_21542904
chr7	1.28E+08	127616622	+	5.798E-19	1.1633E-17	-0.24801	hypo	sig	chr7_127616622
chr4	1.66E+08	165874444	+	5.803E-19	1.1644E-17	0.261765	hyper	sig	chr4_165874444
chr17	43677747	43677747	+	5.804E-19	1.1645E-17	-0.25553	hypo	sig	chr17_43677747
chr22	50485534	50485534	+	5.81E-19	1.1657E-17	-0.23835	hypo	sig	chr22_50485534
chr14	47676446	47676446	+	5.815E-19	1.1666E-17	0.349462	hyper	sig	chr14_47676446
chr10	55627857	55627857	+	5.815E-19	1.1666E-17	0.277473	hyper	sig	chr10_55627857
chr5	77643733	77643733	+	5.816E-19	1.1667E-17	0.25256	hyper	sig	chr5_77643733
chr2	20671601	20671601	+	5.825E-19	1.1686E-17	0.263193	hyper	sig	chr2_20671601
chr6	1.27E+08	127119365	+	5.826E-19	1.1687E-17	0.251429	hyper	sig	chr6_127119365
chr19	39490007	39490007	+	5.828E-19	1.1691E-17	0.265818	hyper	sig	chr19_39490007
chr6	29794085	29794085	+	5.833E-19	1.1701E-17	-0.24796	hypo	sig	chr6_29794085
chr14	1.01E+08	101023078	+	5.834E-19	1.1703E-17	-0.27108	hypo	sig	chr14_101023078
chr1	1.47E+08	147079182	+	5.838E-19	1.171E-17	0.475386	hyper	sig	chr1_147079182
chr5	1.42E+08	142013796	+	5.84E-19	1.1714E-17	-0.21295	hypo	sig	chr5_142013796
chr4	1.84E+08	184001482	+	5.846E-19	1.1726E-17	-0.21465	hypo	sig	chr4_184001482
chr1	1.57E+08	156657047	+	5.847E-19	1.1727E-17	0.243697	hyper	sig	chr1_156657047
chr7	1842393	1842393	+	5.848E-19	1.1728E-17	-0.21617	hypo	sig	chr7_1842393
chr17	79803872	79803872	+	5.855E-19	1.1743E-17	0.204206	hyper	sig	chr17_79803872
chr19	41904340	41904340	+	5.86E-19	1.1752E-17	-0.32893	hypo	sig	chr19_41904340
chr11	20162616	20162616	+	5.861E-19	1.1754E-17	0.309578	hyper	sig	chr11_20162616
chr11	1.34E+08	134282146	+	5.864E-19	1.176E-17	-0.295	hypo	sig	chr11_134282146
chr2	73203217	73203217	+	5.87E-19	1.1771E-17	0.330159	hyper	sig	chr2_73203217

chr3	1.96E+08	196323774	+	5.875E-19	1.1782E-17	0.251942	hyper	sig	chr3_196323774
chr17	9918135	9918135	+	5.88E-19	1.1791E-17	-0.31665	hypo	sig	chr17_9918135
chr16	974859	974859	+	5.881E-19	1.1793E-17	-0.29849	hypo	sig	chr16_974859
chr17	40191502	40191502	+	5.89E-19	1.1811E-17	0.262177	hyper	sig	chr17_40191502
chr12	53955423	53955423	+	5.891E-19	1.1813E-17	0.328828	hyper	sig	chr12_53955423
chr17	39665228	39665228	+	5.896E-19	1.1821E-17	0.280271	hyper	sig	chr17_39665228
chr7	1.5E+08	150219609	+	5.908E-19	1.1844E-17	0.277973	hyper	sig	chr7_150219609
chr18	78793325	78793325	+	5.909E-19	1.1847E-17	-0.23711	hypo	sig	chr18_78793325
chr12	6539755	6539755	+	5.917E-19	1.1862E-17	-0.27699	hypo	sig	chr12_6539755
chr15	89409041	89409041	+	5.934E-19	1.1895E-17	0.25433	hyper	sig	chr15_89409041
chr3	48662295	48662295	+	5.938E-19	1.1902E-17	0.419375	hyper	sig	chr3_48662295
chr10	1.3E+08	129525639	+	5.943E-19	1.1912E-17	0.270666	hyper	sig	chr10_129525639
chr3	45026326	45026326	+	5.946E-19	1.1918E-17	0.253218	hyper	sig	chr3_45026326
chr1	1.57E+08	156849296	+	5.947E-19	1.1919E-17	0.29053	hyper	sig	chr1_156849296
chr1	1.61E+08	161472907	+	5.949E-19	1.1924E-17	-0.2886	hypo	sig	chr1_161472907
chr17	79390116	79390116	+	5.951E-19	1.1926E-17	-0.27555	hypo	sig	chr17_79390116
chr5	9765596	9765596	+	5.952E-19	1.1928E-17	-0.25726	hypo	sig	chr5_9765596
chr7	1.58E+08	157886167	+	5.954E-19	1.1932E-17	-0.38762	hypo	sig	chr7_157886167
chr1	2.28E+08	227888048	+	5.955E-19	1.1934E-17	0.289455	hyper	sig	chr1_227888048
chr16	15859638	15859638	+	5.957E-19	1.1938E-17	0.303269	hyper	sig	chr16_15859638
chr19	1116118	1116118	+	5.959E-19	1.1942E-17	0.333543	hyper	sig	chr19_1116118
chr7	74094640	74094640	+	5.963E-19	1.1949E-17	0.342779	hyper	sig	chr7_74094640
chr5	1.79E+08	179060834	+	5.965E-19	1.1953E-17	0.283321	hyper	sig	chr5_179060834
chr1	1165035	1165035	+	5.965E-19	1.1953E-17	-0.24135	hypo	sig	chr1_1165035
chr2	2.19E+08	218873504	+	5.972E-19	1.1966E-17	0.236273	hyper	sig	chr2_218873504
chr21	42684840	42684840	+	5.972E-19	1.1966E-17	-0.26409	hypo	sig	chr21_42684840
chr11	44311008	44311008	+	5.976E-19	1.1973E-17	0.252084	hyper	sig	chr11_44311008
chr12	54047758	54047758	+	5.976E-19	1.1973E-17	0.306202	hyper	sig	chr12_54047758
chr15	57591313	57591313	+	5.98E-19	1.198E-17	-0.20634	hypo	sig	chr15_57591313
chr4	1.21E+08	121380901	+	5.981E-19	1.1983E-17	0.299936	hyper	sig	chr4_121380901
chr3	1.34E+08	133805103	+	5.985E-19	1.1991E-17	-0.32236	hypo	sig	chr3_133805103
chr13	53201008	53201008	+	5.989E-19	1.1998E-17	0.308636	hyper	sig	chr13_53201008
chr19	871146	871146	+	5.995E-19	1.2011E-17	0.275014	hyper	sig	chr19_871146
chr11	1.12E+08	111540474	+	5.997E-19	1.2013E-17	0.249451	hyper	sig	chr11_111540474
chr16	56190694	56190694	+	6.004E-19	1.2026E-17	0.214251	hyper	sig	chr16_56190694
chr7	1.51E+08	151082119	+	6.009E-19	1.2037E-17	-0.29173	hypo	sig	chr7_151082119
chr13	1.02E+08	102397484	+	6.01E-19	1.2038E-17	-0.29277	hypo	sig	chr13_102397484
chr5	77632746	77632746	+	6.01E-19	1.2038E-17	0.329723	hyper	sig	chr5_77632746
chr6	5999080	5999080	+	6.01E-19	1.2038E-17	0.279606	hyper	sig	chr6_5999080
chr1	57423038	57423038	+	6.034E-19	1.2085E-17	0.304685	hyper	sig	chr1_57423038
chr17	48750151	48750151	+	6.04E-19	1.2098E-17	0.246135	hyper	sig	chr17_48750151
chr14	92924849	92924849	+	6.055E-19	1.2126E-17	-0.25586	hypo	sig	chr14_92924849
chr10	1.01E+08	101236458	+	6.065E-19	1.2147E-17	0.215201	hyper	sig	chr10_101236458
chr15	28832223	28832223	+	6.079E-19	1.2175E-17	0.225854	hyper	sig	chr15_28832223
chr6	1.7E+08	170222932	+	6.081E-19	1.2179E-17	-0.32728	hypo	sig	chr6_170222932
chr1	1942304	1942304	+	6.083E-19	1.2181E-17	-0.2763	hypo	sig	chr1_1942304
chr7	1620819	1620819	+	6.084E-19	1.2184E-17	-0.2895	hypo	sig	chr7_1620819
chr2	20184575	20184575	+	6.092E-19	1.22E-17	0.304175	hyper	sig	chr2_20184575
chr8	52941845	52941845	+	6.096E-19	1.2206E-17	0.268344	hyper	sig	chr8_52941845
chr14	36514374	36514374	+	6.096E-19	1.2207E-17	0.263419	hyper	sig	chr14_36514374
chr13	1.08E+08	107866036	+	6.097E-19	1.2207E-17	0.35907	hyper	sig	chr13_107866036
chr7	64037386	64037386	+	6.1E-19	1.2213E-17	0.378514	hyper	sig	chr7_64037386
chr16	67014494	67014494	+	6.104E-19	1.2221E-17	0.202643	hyper	sig	chr16_67014494
chr16	29877427	29877427	+	6.105E-19	1.2222E-17	0.270308	hyper	sig	chr16_29877427
chr5	1.8E+08	179801925	+	6.108E-19	1.2228E-17	0.298832	hyper	sig	chr5_179801925
chr8	1866538	1866538	+	6.109E-19	1.2229E-17	0.297595	hyper	sig	chr8_1866538

chr1	27403696	27403696	+	6.112E-19	1.2236E-17	0.275899	hyper	sig	chr1_27403696
chr13	78596855	78596855	+	6.114E-19	1.224E-17	0.253896	hyper	sig	chr13_78596855
chr19	1526537	1526537	+	6.119E-19	1.225E-17	-0.30135	hypo	sig	chr19_1526537
chr16	4376258	4376258	+	6.12E-19	1.2252E-17	0.359935	hyper	sig	chr16_4376258
chr15	50907216	50907216	+	6.121E-19	1.2253E-17	-0.26482	hypo	sig	chr15_50907216
chr19	54339226	54339226	+	6.122E-19	1.2253E-17	-0.33747	hypo	sig	chr19_54339226
chr2	2.36E+08	235934397	+	6.122E-19	1.2255E-17	0.280388	hyper	sig	chr2_235934397
chr2	44955220	44955220	+	6.126E-19	1.2262E-17	0.213157	hyper	sig	chr2_44955220
chr16	2967597	2967597	+	6.127E-19	1.2264E-17	0.341566	hyper	sig	chr16_2967597
chr18	14999842	14999842	+	6.128E-19	1.2265E-17	0.30422	hyper	sig	chr18_14999842
chr7	486047	486047	+	6.129E-19	1.2267E-17	-0.31698	hypo	sig	chr7_486047
chr12	94186886	94186886	+	6.131E-19	1.2271E-17	0.231126	hyper	sig	chr12_94186886
chr2	89583708	89583708	+	6.132E-19	1.2271E-17	-0.29462	hypo	sig	chr2_89583708
chr20	3240283	3240283	+	6.137E-19	1.2281E-17	0.22337	hyper	sig	chr20_3240283
chr16	81645100	81645100	+	6.139E-19	1.2286E-17	0.343345	hyper	sig	chr16_81645100
chr5	11904675	11904675	+	6.146E-19	1.23E-17	0.229662	hyper	sig	chr5_11904675
chr16	51111001	51111001	+	6.164E-19	1.2334E-17	-0.33774	hypo	sig	chr16_51111001
chr14	99792790	99792790	+	6.173E-19	1.2353E-17	0.253846	hyper	sig	chr14_99792790
chr5	1.16E+08	115816842	+	6.175E-19	1.2356E-17	0.318747	hyper	sig	chr5_115816842
chr20	62560990	62560990	+	6.175E-19	1.2356E-17	-0.25268	hypo	sig	chr20_62560990
chr6	1.67E+08	166613017	+	6.176E-19	1.2357E-17	0.217241	hyper	sig	chr6_166613017
chr6	33976006	33976006	+	6.177E-19	1.2359E-17	0.264247	hyper	sig	chr6_33976006
chr12	53945194	53945194	+	6.187E-19	1.2378E-17	0.287248	hyper	sig	chr12_53945194
chr11	45209594	45209594	+	6.196E-19	1.2396E-17	0.24321	hyper	sig	chr11_45209594
chr5	1.41E+08	141246253	+	6.202E-19	1.2407E-17	0.234466	hyper	sig	chr5_141246253
chr7	1E+08	100177813	+	6.202E-19	1.2408E-17	0.229636	hyper	sig	chr7_100177813
chr13	36298226	36298226	+	6.219E-19	1.2441E-17	0.229209	hyper	sig	chr13_36298226
chr20	21704834	21704834	+	6.22E-19	1.2442E-17	0.33953	hyper	sig	chr20_21704834
chr1	24931841	24931841	+	6.222E-19	1.2447E-17	0.317888	hyper	sig	chr1_24931841
chr13	78608027	78608027	+	6.224E-19	1.2449E-17	0.340169	hyper	sig	chr13_78608027
chr16	81493715	81493715	+	6.229E-19	1.246E-17	-0.25397	hypo	sig	chr16_81493715
chr2	1.23E+08	122661211	+	6.229E-19	1.246E-17	0.320121	hyper	sig	chr2_122661211
chr5	1.73E+08	173245530	+	6.231E-19	1.2463E-17	0.303288	hyper	sig	chr5_173245530
chr5	3602467	3602467	+	6.237E-19	1.2474E-17	0.277332	hyper	sig	chr5_3602467
chr4	6663987	6663987	+	6.246E-19	1.2492E-17	0.358009	hyper	sig	chr4_6663987
chr1	2.25E+08	224624258	+	6.248E-19	1.2495E-17	-0.27191	hypo	sig	chr1_224624258
chr5	481525	481525	+	6.248E-19	1.2495E-17	-0.28764	hypo	sig	chr5_481525
chr7	1.52E+08	151850951	+	6.251E-19	1.2501E-17	-0.2553	hypo	sig	chr7_151850951
chr3	62378389	62378389	+	6.256E-19	1.2511E-17	0.253194	hyper	sig	chr3_62378389
chr6	50850979	50850979	+	6.257E-19	1.2512E-17	0.272707	hyper	sig	chr6_50850979
chr2	74514732	74514732	+	6.258E-19	1.2513E-17	0.234032	hyper	sig	chr2_74514732
chr15	74129934	74129934	+	6.262E-19	1.2521E-17	0.230164	hyper	sig	chr15_74129934
chr7	4141091	4141091	+	6.268E-19	1.2533E-17	-0.29502	hypo	sig	chr7_4141091
chr22	50281970	50281970	+	6.272E-19	1.254E-17	-0.30356	hypo	sig	chr22_50281970
chr1	2.21E+08	220887585	+	6.275E-19	1.2548E-17	0.306238	hyper	sig	chr1_220887585
chr7	1.54E+08	154309053	+	6.276E-19	1.2548E-17	-0.23034	hypo	sig	chr7_154309053
chr13	1.12E+08	112132425	+	6.279E-19	1.2553E-17	-0.32293	hypo	sig	chr13_112132425
chr10	42368006	42368006	+	6.287E-19	1.2569E-17	0.335617	hyper	sig	chr10_42368006
chr1	3247846	3247846	+	6.29E-19	1.2575E-17	0.214219	hyper	sig	chr1_3247846
chr13	46183299	46183299	+	6.29E-19	1.2575E-17	-0.25112	hypo	sig	chr13_46183299
chr5	1.41E+08	141431335	+	6.294E-19	1.2583E-17	0.300745	hyper	sig	chr5_141431335
chr3	1.38E+08	138114806	+	6.296E-19	1.2586E-17	0.329213	hyper	sig	chr3_138114806
chr11	1.27E+08	127000331	+	6.299E-19	1.2592E-17	0.2005	hyper	sig	chr11_127000331
chr10	1.01E+08	101236497	+	6.305E-19	1.2604E-17	0.228675	hyper	sig	chr10_101236497
chr16	3953736	3953736	+	6.306E-19	1.2606E-17	-0.27511	hypo	sig	chr16_3953736
chr5	1860358	1860358	+	6.311E-19	1.2615E-17	-0.28105	hypo	sig	chr5_1860358

chr11	68981037	68981037	+	6.32E-19	1.2633E-17	-0.31758	hypo	sig	chr11_68981037
chr11	1.09E+08	109423261	+	6.324E-19	1.2641E-17	0.269205	hyper	sig	chr11_109423261
chr5	1.8E+08	179801913	+	6.335E-19	1.2663E-17	0.263437	hyper	sig	chr5_179801913
chr3	1.38E+08	138435419	+	6.336E-19	1.2664E-17	0.268342	hyper	sig	chr3_138435419
chr5	404881	404881	+	6.338E-19	1.2667E-17	-0.25038	hypo	sig	chr5_404881
chr6	1.7E+08	170083351	+	6.345E-19	1.2682E-17	-0.24362	hypo	sig	chr6_170083351
chr18	13869011	13869011	+	6.349E-19	1.2688E-17	0.204696	hyper	sig	chr18_13869011
chr15	82648807	82648807	+	6.35E-19	1.2691E-17	0.245196	hyper	sig	chr15_82648807
chr12	1.32E+08	132329181	+	6.355E-19	1.2701E-17	0.264177	hyper	sig	chr12_132329181
chr13	49219034	49219034	+	6.356E-19	1.2701E-17	0.230621	hyper	sig	chr13_49219034
chr17	17812222	17812222	+	6.358E-19	1.2705E-17	0.20555	hyper	sig	chr17_17812222
chr3	52779857	52779857	+	6.36E-19	1.2709E-17	-0.25914	hypo	sig	chr3_52779857
chr16	3182715	3182715	+	6.363E-19	1.2715E-17	0.224284	hyper	sig	chr16_3182715
chr3	46465029	46465029	+	6.364E-19	1.2716E-17	0.286634	hyper	sig	chr3_46465029
chr2	2.42E+08	241962592	+	6.366E-19	1.272E-17	-0.24471	hypo	sig	chr2_241962592
chr5	2755060	2755060	+	6.37E-19	1.2727E-17	0.345023	hyper	sig	chr5_2755060
chr7	1.01E+08	100612987	+	6.372E-19	1.273E-17	0.201864	hyper	sig	chr7_100612987
chr11	1644008	1644008	+	6.372E-19	1.2732E-17	-0.21735	hypo	sig	chr11_1644008
chr4	5051358	5051358	+	6.379E-19	1.2745E-17	0.276915	hyper	sig	chr4_5051358
chr19	6271834	6271834	+	6.383E-19	1.2752E-17	0.381088	hyper	sig	chr19_6271834
chr12	1.31E+08	130679002	+	6.389E-19	1.2764E-17	-0.22882	hypo	sig	chr12_130679002
chr9	1.35E+08	135300418	+	6.39E-19	1.2766E-17	-0.25983	hypo	sig	chr9_135300418
chr7	27143972	27143972	+	6.39E-19	1.2766E-17	0.276357	hyper	sig	chr7_27143972
chr4	1.74E+08	173530127	+	6.393E-19	1.2771E-17	0.208654	hyper	sig	chr4_173530127
chr1	1.83E+08	183417660	+	6.395E-19	1.2775E-17	0.27511	hyper	sig	chr1_183417660
chr8	71558946	71558946	+	6.398E-19	1.2781E-17	0.296258	hyper	sig	chr8_71558946
chr13	57629540	57629540	+	6.421E-19	1.2825E-17	0.272546	hyper	sig	chr13_57629540
chr10	75238364	75238364	+	6.432E-19	1.2846E-17	-0.2156	hypo	sig	chr10_75238364
chr2	1.15E+08	115163249	+	6.433E-19	1.2848E-17	0.202072	hyper	sig	chr2_115163249
chr9	37026677	37026677	+	6.434E-19	1.285E-17	0.341357	hyper	sig	chr9_37026677
chr16	88971871	88971871	+	6.445E-19	1.2873E-17	-0.29491	hypo	sig	chr16_88971871
chr1	1.19E+08	118979610	+	6.449E-19	1.2879E-17	0.264971	hyper	sig	chr1_118979610
chr22	39456851	39456851	+	6.45E-19	1.2881E-17	0.389478	hyper	sig	chr22_39456851
chr2	5691116	5691116	+	6.451E-19	1.2883E-17	0.2289	hyper	sig	chr2_5691116
chr9	1.28E+08	127741894	+	6.453E-19	1.2886E-17	0.356657	hyper	sig	chr9_127741894
chr2	1.44E+08	143937612	+	6.455E-19	1.2889E-17	0.255776	hyper	sig	chr2_143937612
chr16	72961371	72961371	+	6.455E-19	1.289E-17	-0.39537	hypo	sig	chr16_72961371
chr11	3123513	3123513	+	6.456E-19	1.2891E-17	0.307002	hyper	sig	chr11_3123513
chr17	897023	897023	+	6.457E-19	1.2892E-17	0.297859	hyper	sig	chr17_897023
chr10	79221399	79221399	+	6.46E-19	1.2898E-17	0.33134	hyper	sig	chr10_79221399
chr12	1.31E+08	131027915	+	6.465E-19	1.2907E-17	0.256498	hyper	sig	chr12_131027915
chr6	31663939	31663939	+	6.467E-19	1.2912E-17	0.257486	hyper	sig	chr6_31663939
chr6	45663626	45663626	+	6.468E-19	1.2913E-17	0.204626	hyper	sig	chr6_45663626
chr8	88328224	88328224	+	6.468E-19	1.2914E-17	0.277054	hyper	sig	chr8_88328224
chr11	64843615	64843615	+	6.47E-19	1.2917E-17	-0.30399	hypo	sig	chr11_64843615
chr14	47675832	47675832	+	6.475E-19	1.2926E-17	0.260545	hyper	sig	chr14_47675832
chr12	1.19E+08	118980890	+	6.477E-19	1.293E-17	0.263866	hyper	sig	chr12_118980890
chr7	1.56E+08	155803689	+	6.483E-19	1.2941E-17	0.311751	hyper	sig	chr7_155803689
chr2	2.19E+08	219497441	+	6.49E-19	1.2956E-17	0.242692	hyper	sig	chr2_219497441
chr13	1.11E+08	111320702	+	6.494E-19	1.2963E-17	-0.2658	hypo	sig	chr13_111320702
chr20	63521756	63521756	+	6.501E-19	1.2977E-17	0.290317	hyper	sig	chr20_63521756
chr1	78491854	78491854	+	6.524E-19	1.3021E-17	0.234639	hyper	sig	chr1_78491854
chr12	52007423	52007423	+	6.526E-19	1.3025E-17	0.358799	hyper	sig	chr12_52007423
chr7	1.4E+08	140061287	+	6.526E-19	1.3025E-17	-0.26707	hypo	sig	chr7_140061287
chr2	2.08E+08	208407383	+	6.53E-19	1.3034E-17	0.27992	hyper	sig	chr2_208407383
chr8	1.44E+08	143891651	+	6.534E-19	1.3041E-17	-0.28957	hypo	sig	chr8_143891651

chr12	1.17E+08	117359300	+	6.535E-19	1.3043E-17	0.265073	hyper	sig	chr12_117359300
chr1	1.53E+08	152698288	+	6.546E-19	1.3063E-17	-0.26681	hypo	sig	chr1_152698288
chr1	1.55E+08	155295400	+	6.547E-19	1.3066E-17	0.295062	hyper	sig	chr1_155295400
chr15	37102978	37102978	+	6.556E-19	1.3082E-17	0.248751	hyper	sig	chr15_37102978
chr4	80267207	80267207	+	6.557E-19	1.3085E-17	0.250761	hyper	sig	chr4_80267207
chr5	1468546	1468546	+	6.557E-19	1.3085E-17	0.236716	hyper	sig	chr5_1468546
chr7	97024630	97024630	+	6.559E-19	1.3088E-17	0.246667	hyper	sig	chr7_97024630
chr12	3490904	3490904	+	6.56E-19	1.3089E-17	0.236496	hyper	sig	chr12_3490904
chr12	1.24E+08	124296432	+	6.567E-19	1.3104E-17	-0.22495	hypo	sig	chr12_124296432
chr6	1.7E+08	170152861	+	6.571E-19	1.3111E-17	-0.32081	hypo	sig	chr6_170152861
chr2	1.1E+08	110115007	+	6.577E-19	1.3122E-17	-0.28994	hypo	sig	chr2_110115007
chr1	1.21E+08	121117009	+	6.577E-19	1.3122E-17	0.340866	hyper	sig	chr1_121117009
chr4	4226474	4226474	+	6.582E-19	1.3132E-17	0.245787	hyper	sig	chr4_4226474
chr14	22883279	22883279	+	6.583E-19	1.3133E-17	0.350969	hyper	sig	chr14_22883279
chr9	93952829	93952829	+	6.584E-19	1.3134E-17	0.250662	hyper	sig	chr9_93952829
chr14	1.01E+08	101063997	+	6.591E-19	1.3148E-17	-0.26227	hypo	sig	chr14_101063997
chr12	1.26E+08	125863782	+	6.611E-19	1.3188E-17	-0.30933	hypo	sig	chr12_125863782
chr7	1.55E+08	155373510	+	6.615E-19	1.3196E-17	0.226293	hyper	sig	chr7_155373510
chr11	65872327	65872327	+	6.619E-19	1.3204E-17	0.283713	hyper	sig	chr11_65872327
chr12	1.32E+08	131618263	+	6.624E-19	1.3213E-17	0.22891	hyper	sig	chr12_131618263
chr2	1742919	1742919	+	6.632E-19	1.3229E-17	0.258271	hyper	sig	chr2_1742919
chr12	57236673	57236673	+	6.636E-19	1.3235E-17	0.273917	hyper	sig	chr12_57236673
chr4	1.25E+08	125317693	+	6.638E-19	1.3241E-17	0.232549	hyper	sig	chr4_125317693
chr10	1.01E+08	101226192	+	6.64E-19	1.3244E-17	0.308008	hyper	sig	chr10_101226192
chr11	32438154	32438154	+	6.642E-19	1.3246E-17	0.299686	hyper	sig	chr11_32438154
chr7	1E+08	100430814	+	6.644E-19	1.3251E-17	0.209267	hyper	sig	chr7_100430814
chr7	97018064	97018064	+	6.645E-19	1.3252E-17	0.228844	hyper	sig	chr7_97018064
chr19	56642705	56642705	+	6.653E-19	1.3267E-17	0.326484	hyper	sig	chr19_56642705
chr8	1512403	1512403	+	6.655E-19	1.3272E-17	0.235764	hyper	sig	chr8_1512403
chr1	2.15E+08	215082229	+	6.659E-19	1.328E-17	0.300084	hyper	sig	chr1_215082229
chr16	62036260	62036260	+	6.66E-19	1.3281E-17	0.304936	hyper	sig	chr16_62036260
chr19	53058118	53058118	+	6.664E-19	1.3288E-17	0.35001	hyper	sig	chr19_53058118
chr2	1.05E+08	105144456	+	6.675E-19	1.3311E-17	0.29431	hyper	sig	chr2_105144456
chr16	1288429	1288429	+	6.676E-19	1.3312E-17	-0.25322	hypo	sig	chr16_1288429
chr5	25910879	25910879	+	6.677E-19	1.3314E-17	-0.30831	hypo	sig	chr5_25910879
chr12	1.32E+08	132434098	+	6.678E-19	1.3315E-17	-0.31008	hypo	sig	chr12_132434098
chr10	48685321	48685321	+	6.679E-19	1.3316E-17	-0.28441	hypo	sig	chr10_48685321
chr7	1538586	1538586	+	6.68E-19	1.3317E-17	0.38031	hyper	sig	chr7_1538586
chr3	1.54E+08	154428695	+	6.683E-19	1.3324E-17	0.310832	hyper	sig	chr3_154428695
chr12	46831527	46831527	+	6.685E-19	1.3326E-17	0.203406	hyper	sig	chr12_46831527
chr5	84384399	84384399	+	6.691E-19	1.3338E-17	0.202061	hyper	sig	chr5_84384399
chr16	57628123	57628123	+	6.7E-19	1.3357E-17	0.313563	hyper	sig	chr16_57628123
chr3	1.7E+08	169660034	+	6.709E-19	1.3374E-17	0.264068	hyper	sig	chr3_169660034
chr19	5711968	5711968	+	6.711E-19	1.3379E-17	-0.23485	hypo	sig	chr19_5711968
chr17	48550986	48550986	+	6.718E-19	1.3392E-17	0.270477	hyper	sig	chr17_48550986
chr6	37538483	37538483	+	6.724E-19	1.3403E-17	-0.30548	hypo	sig	chr6_37538483
chr16	87607583	87607583	+	6.724E-19	1.3403E-17	-0.3084	hypo	sig	chr16_87607583
chr14	47676341	47676341	+	6.734E-19	1.3422E-17	0.384398	hyper	sig	chr14_47676341
chr13	45851702	45851702	+	6.75E-19	1.3454E-17	0.256556	hyper	sig	chr13_45851702
chr12	1.32E+08	132179039	+	6.751E-19	1.3455E-17	-0.30437	hypo	sig	chr12_132179039
chr10	3330815	3330815	+	6.755E-19	1.3463E-17	-0.33891	hypo	sig	chr10_3330815
chr7	1.22E+08	122316686	+	6.761E-19	1.3474E-17	0.260673	hyper	sig	chr7_122316686
chr19	52397998	52397998	+	6.767E-19	1.3486E-17	0.226062	hyper	sig	chr19_52397998
chr3	1.47E+08	147423055	+	6.771E-19	1.3492E-17	0.260915	hyper	sig	chr3_147423055
chr1	1.44E+08	143652032	+	6.776E-19	1.3502E-17	0.30402	hyper	sig	chr1_143652032
chr14	85530574	85530574	+	6.784E-19	1.3518E-17	0.292247	hyper	sig	chr14_85530574

chr1	18600002	18600002	+	6.789E-19	1.3527E-17	-0.32319	hypo	sig	chr1_18600002
chr5	1140012	1140012	+	6.79E-19	1.3529E-17	-0.2196	hypo	sig	chr5_1140012
chr2	66425872	66425872	+	6.791E-19	1.353E-17	0.244712	hyper	sig	chr2_66425872
chr12	81758579	81758579	+	6.791E-19	1.3531E-17	0.212124	hyper	sig	chr12_81758579
chr17	7447097	7447097	+	6.799E-19	1.3546E-17	0.288296	hyper	sig	chr17_7447097
chr7	85381425	85381425	+	6.802E-19	1.3551E-17	-0.21547	hypo	sig	chr7_85381425
chr12	85273939	85273939	+	6.805E-19	1.3557E-17	0.368955	hyper	sig	chr12_85273939
chr4	1.59E+08	158573357	+	6.813E-19	1.3573E-17	-0.24891	hypo	sig	chr4_158573357
chr16	3086905	3086905	+	6.814E-19	1.3575E-17	-0.3748	hypo	sig	chr16_3086905
chr6	99605261	99605261	+	6.816E-19	1.3579E-17	0.281088	hyper	sig	chr6_99605261
chr18	79785080	79785080	+	6.817E-19	1.358E-17	-0.30591	hypo	sig	chr18_79785080
chr6	37649066	37649066	+	6.825E-19	1.3595E-17	0.353086	hyper	sig	chr6_37649066
chr10	1.29E+08	128959072	+	6.83E-19	1.3604E-17	-0.3228	hypo	sig	chr10_128959072
chr18	8800269	8800269	+	6.83E-19	1.3605E-17	0.258899	hyper	sig	chr18_8800269
chr14	1.05E+08	104728640	+	6.831E-19	1.3606E-17	-0.24551	hypo	sig	chr14_104728640
chr17	18982133	18982133	+	6.833E-19	1.361E-17	-0.26409	hypo	sig	chr17_18982133
chr20	61925559	61925559	+	6.838E-19	1.3618E-17	-0.37221	hypo	sig	chr20_61925559
chr7	1263812	1263812	+	6.839E-19	1.3621E-17	-0.34585	hypo	sig	chr7_1263812
chr2	2.19E+08	219332892	+	6.842E-19	1.3627E-17	0.284457	hyper	sig	chr2_219332892
chr1	12068770	12068770	+	6.847E-19	1.3635E-17	-0.248	hypo	sig	chr1_12068770
chr1	57423089	57423089	+	6.848E-19	1.3638E-17	0.318791	hyper	sig	chr1_57423089
chr6	6004678	6004678	+	6.852E-19	1.3645E-17	0.257166	hyper	sig	chr6_6004678
chr20	671603	671603	+	6.853E-19	1.3648E-17	-0.30065	hypo	sig	chr20_671603
chr20	25148853	25148853	+	6.859E-19	1.3658E-17	0.224664	hyper	sig	chr20_25148853
chr2	74499823	74499823	+	6.864E-19	1.3668E-17	0.253457	hyper	sig	chr2_74499823
chr13	1.11E+08	110562822	+	6.868E-19	1.3677E-17	-0.26648	hypo	sig	chr13_110562822
chr8	1.08E+08	108082333	+	6.869E-19	1.3678E-17	0.263498	hyper	sig	chr8_108082333
chr5	77638830	77638830	+	6.873E-19	1.3685E-17	0.328114	hyper	sig	chr5_77638830
chr9	1.26E+08	126482508	+	6.883E-19	1.3704E-17	0.313819	hyper	sig	chr9_126482508
chr17	76643812	76643812	+	6.884E-19	1.3706E-17	-0.25088	hypo	sig	chr17_76643812
chr21	36705292	36705292	+	6.894E-19	1.3726E-17	0.366995	hyper	sig	chr21_36705292
chr1	1.19E+08	119008351	+	6.898E-19	1.3732E-17	0.36762	hyper	sig	chr1_119008351
chr5	1.8E+08	179530563	+	6.9E-19	1.3737E-17	0.215934	hyper	sig	chr5_179530563
chr16	31042562	31042562	+	6.914E-19	1.3764E-17	0.315487	hyper	sig	chr16_31042562
chr19	3136510	3136510	+	6.928E-19	1.3791E-17	-0.26424	hypo	sig	chr19_3136510
chr12	40106817	40106817	+	6.929E-19	1.3793E-17	-0.31277	hypo	sig	chr12_40106817
chr2	97734272	97734272	+	6.929E-19	1.3793E-17	-0.2169	hypo	sig	chr2_97734272
chr22	42338689	42338689	+	6.93E-19	1.3795E-17	-0.2595	hypo	sig	chr22_42338689
chr12	453712	453712	+	6.931E-19	1.3796E-17	-0.29197	hypo	sig	chr12_453712
chr19	617267	617267	+	6.935E-19	1.3804E-17	-0.28933	hypo	sig	chr19_617267
chr16	2163784	2163784	+	6.95E-19	1.3833E-17	-0.28633	hypo	sig	chr16_2163784
chr22	29581739	29581739	+	6.95E-19	1.3833E-17	-0.23746	hypo	sig	chr22_29581739
chr1	16535549	16535549	+	6.951E-19	1.3834E-17	0.309976	hyper	sig	chr1_16535549
chr5	1.56E+08	155728943	+	6.958E-19	1.3848E-17	0.300234	hyper	sig	chr5_155728943
chr20	58228316	58228316	+	6.958E-19	1.3849E-17	0.228406	hyper	sig	chr20_58228316
chr7	1.58E+08	157714630	+	6.973E-19	1.3877E-17	-0.327	hypo	sig	chr7_157714630
chr15	52787353	52787353	+	6.979E-19	1.3888E-17	0.304473	hyper	sig	chr15_52787353
chr12	54047725	54047725	+	6.984E-19	1.3897E-17	0.290302	hyper	sig	chr12_54047725
chr20	38673953	38673953	+	6.985E-19	1.3901E-17	0.220148	hyper	sig	chr20_38673953
chr12	6377914	6377914	+	6.99E-19	1.3909E-17	-0.2677	hypo	sig	chr12_6377914
chr1	2.01E+08	201024066	+	7.008E-19	1.3945E-17	-0.24929	hypo	sig	chr1_201024066
chr19	50658883	50658883	+	7.014E-19	1.3955E-17	0.401665	hyper	sig	chr19_50658883
chr13	94601442	94601442	+	7.016E-19	1.396E-17	0.25772	hyper	sig	chr13_94601442
chr2	1665338	1665338	+	7.017E-19	1.396E-17	-0.27864	hypo	sig	chr2_1665338
chr4	1.85E+08	185021646	+	7.017E-19	1.3961E-17	0.222868	hyper	sig	chr4_185021646
chr16	14406091	14406091	+	7.017E-19	1.3961E-17	-0.27058	hypo	sig	chr16_14406091

chr16	85911911	85911911	+	7.023E-19	1.3973E-17	0.253144	hyper	sig	chr16_85911911
chr6	10318969	10318969	+	7.024E-19	1.3974E-17	-0.30439	hypo	sig	chr6_10318969
chr10	1.28E+08	128207545	+	7.027E-19	1.3979E-17	-0.28203	hypo	sig	chr10_128207545
chr5	4230761	4230761	+	7.027E-19	1.3979E-17	0.21841	hyper	sig	chr5_4230761
chr4	1533924	1533924	+	7.031E-19	1.3988E-17	0.273302	hyper	sig	chr4_1533924
chr8	90791972	90791972	+	7.035E-19	1.3994E-17	0.295899	hyper	sig	chr8_90791972
chr3	11569139	11569139	+	7.038E-19	1.4E-17	0.265298	hyper	sig	chr3_11569139
chr17	79981256	79981256	+	7.044E-19	1.4011E-17	0.264583	hyper	sig	chr17_79981256
chr10	80535750	80535750	+	7.049E-19	1.4021E-17	-0.22631	hypo	sig	chr10_80535750
chr1	36321093	36321093	+	7.05E-19	1.4022E-17	0.260177	hyper	sig	chr1_36321093
chr2	1.05E+08	104662864	+	7.063E-19	1.4047E-17	-0.2634	hypo	sig	chr2_104662864
chr2	2.22E+08	222302270	+	7.065E-19	1.4051E-17	0.233217	hyper	sig	chr2_222302270
chr2	2E+08	199604005	+	7.066E-19	1.4053E-17	0.30942	hyper	sig	chr2_199604005
chr3	42936339	42936339	+	7.073E-19	1.4067E-17	0.240989	hyper	sig	chr3_42936339
chr22	38214567	38214567	+	7.075E-19	1.4071E-17	0.332348	hyper	sig	chr22_38214567
chr16	4664104	4664104	+	7.076E-19	1.4073E-17	-0.24922	hypo	sig	chr16_4664104
chr17	74442905	74442905	+	7.079E-19	1.4078E-17	-0.22411	hypo	sig	chr17_74442905
chr18	13868568	13868568	+	7.089E-19	1.4098E-17	0.260916	hyper	sig	chr18_13868568
chr3	11558258	11558258	+	7.09E-19	1.4099E-17	0.240943	hyper	sig	chr3_11558258
chr6	32052721	32052721	+	7.098E-19	1.4115E-17	-0.22829	hypo	sig	chr6_32052721
chr5	1.71E+08	171308213	+	7.109E-19	1.4137E-17	0.239865	hyper	sig	chr5_171308213
chr19	4559766	4559766	+	7.112E-19	1.4141E-17	-0.36286	hypo	sig	chr19_4559766
chr1	2E+08	200036269	+	7.113E-19	1.4143E-17	0.407646	hyper	sig	chr1_200036269
chr1	16766038	16766038	+	7.119E-19	1.4155E-17	0.274196	hyper	sig	chr1_16766038
chr12	1.13E+08	113476063	+	7.126E-19	1.4168E-17	0.230164	hyper	sig	chr12_113476063
chr4	1.54E+08	153781309	+	7.127E-19	1.417E-17	-0.3011	hypo	sig	chr4_153781309
chr14	1.01E+08	101042936	+	7.138E-19	1.4191E-17	-0.20143	hypo	sig	chr14_101042936
chr6	1.37E+08	137493639	+	7.139E-19	1.4193E-17	0.317209	hyper	sig	chr6_137493639
chr6	32153124	32153124	+	7.141E-19	1.4196E-17	0.249643	hyper	sig	chr6_32153124
chr4	56656635	56656635	+	7.147E-19	1.4207E-17	0.301119	hyper	sig	chr4_56656635
chr6	1.68E+08	167797535	+	7.149E-19	1.4211E-17	-0.292	hypo	sig	chr6_167797535
chr10	23192572	23192572	+	7.15E-19	1.4213E-17	0.347648	hyper	sig	chr10_23192572
chr4	55793702	55793702	+	7.154E-19	1.422E-17	0.314382	hyper	sig	chr4_55793702
chr2	1.75E+08	174730239	+	7.162E-19	1.4235E-17	0.259942	hyper	sig	chr2_174730239
chr3	2099330	2099330	+	7.163E-19	1.4236E-17	0.243302	hyper	sig	chr3_2099330
chr8	1.31E+08	131042286	+	7.163E-19	1.4237E-17	0.301413	hyper	sig	chr8_131042286
chr7	1.57E+08	157466001	+	7.165E-19	1.424E-17	0.28009	hyper	sig	chr7_157466001
chr16	1136015	1136015	+	7.175E-19	1.4259E-17	-0.31996	hypo	sig	chr16_1136015
chr17	40089237	40089237	+	7.179E-19	1.4267E-17	0.25404	hyper	sig	chr17_40089237
chr5	1.35E+08	135038986	+	7.18E-19	1.4268E-17	0.435545	hyper	sig	chr5_135038986
chr1	1.77E+08	177171564	+	7.18E-19	1.4269E-17	0.270782	hyper	sig	chr1_177171564
chr19	40568113	40568113	+	7.18E-19	1.4269E-17	0.279286	hyper	sig	chr19_40568113
chr1	2.29E+08	229432657	+	7.182E-19	1.4271E-17	0.298614	hyper	sig	chr1_229432657
chr7	665914	665914	+	7.185E-19	1.4278E-17	0.355633	hyper	sig	chr7_665914
chr3	1.28E+08	128497227	+	7.194E-19	1.4295E-17	0.36098	hyper	sig	chr3_128497227
chr6	1.5E+08	149964534	+	7.198E-19	1.4302E-17	0.210488	hyper	sig	chr6_149964534
chr19	2358672	2358672	+	7.198E-19	1.4302E-17	-0.30713	hypo	sig	chr19_2358672
chr12	53927585	53927585	+	7.205E-19	1.4316E-17	0.315315	hyper	sig	chr12_53927585
chr6	391297	391297	+	7.205E-19	1.4316E-17	0.306684	hyper	sig	chr6_391297
chr6	1.7E+08	170152849	+	7.21E-19	1.4326E-17	-0.30802	hypo	sig	chr6_170152849
chr18	44744643	44744643	+	7.212E-19	1.4329E-17	0.330287	hyper	sig	chr18_44744643
chr13	1.14E+08	114115921	+	7.214E-19	1.4331E-17	-0.25496	hypo	sig	chr13_114115921
chr9	1.37E+08	136994679	+	7.223E-19	1.4349E-17	0.273754	hyper	sig	chr9_136994679
chr20	40690866	40690866	+	7.223E-19	1.435E-17	0.283416	hyper	sig	chr20_40690866
chr17	75784238	75784238	+	7.225E-19	1.4354E-17	-0.22692	hypo	sig	chr17_75784238
chr7	1.59E+08	158995515	+	7.235E-19	1.4373E-17	-0.24423	hypo	sig	chr7_158995515

chr8	96327997	96327997	+	7.235E-19	1.4373E-17	-0.23211	hypo	sig	chr8_96327997
chr1	74673470	74673470	+	7.239E-19	1.438E-17	0.385626	hyper	sig	chr1_74673470
chr1	15727244	15727244	+	7.239E-19	1.438E-17	0.325649	hyper	sig	chr1_15727244
chr16	31529759	31529759	+	7.241E-19	1.4383E-17	0.28229	hyper	sig	chr16_31529759
chr10	23203891	23203891	+	7.253E-19	1.4406E-17	0.289435	hyper	sig	chr10_23203891
chr14	56797657	56797657	+	7.255E-19	1.4411E-17	0.263406	hyper	sig	chr14_56797657
chr19	13833463	13833463	+	7.256E-19	1.4412E-17	0.269412	hyper	sig	chr19_13833463
chr19	15723066	15723066	+	7.257E-19	1.4414E-17	0.278837	hyper	sig	chr19_15723066
chr2	70715586	70715586	+	7.267E-19	1.4434E-17	-0.31139	hypo	sig	chr2_70715586
chr5	55993173	55993173	+	7.273E-19	1.4445E-17	0.281371	hyper	sig	chr5_55993173
chr10	26218452	26218452	+	7.278E-19	1.4454E-17	0.282413	hyper	sig	chr10_26218452
chr12	1.07E+08	106580893	+	7.279E-19	1.4455E-17	0.365542	hyper	sig	chr12_106580893
chr7	1.13E+08	113084674	+	7.284E-19	1.4466E-17	-0.23553	hypo	sig	chr7_113084674
chr6	29827720	29827720	+	7.298E-19	1.4492E-17	0.254172	hyper	sig	chr6_29827720
chr2	70889527	70889527	+	7.307E-19	1.4508E-17	0.231004	hyper	sig	chr2_70889527
chr8	46331939	46331939	+	7.323E-19	1.4539E-17	-0.2664	hypo	sig	chr8_46331939
chr19	2252083	2252083	+	7.33E-19	1.4554E-17	0.314725	hyper	sig	chr19_2252083
chr1	75134439	75134439	+	7.34E-19	1.4573E-17	0.219707	hyper	sig	chr1_75134439
chr16	67156045	67156045	+	7.341E-19	1.4574E-17	0.33197	hyper	sig	chr16_67156045
chr5	77972583	77972583	+	7.345E-19	1.4582E-17	0.278616	hyper	sig	chr5_77972583
chr6	1E+08	100449546	+	7.348E-19	1.4588E-17	0.3415	hyper	sig	chr6_100449546
chr5	1394551	1394551	+	7.354E-19	1.46E-17	0.285328	hyper	sig	chr5_1394551
chr12	1.23E+08	122868190	+	7.357E-19	1.4604E-17	0.228526	hyper	sig	chr12_122868190
chr2	2.06E+08	205687149	+	7.356E-19	1.4604E-17	0.259899	hyper	sig	chr2_205687149
chr22	19029307	19029307	+	7.357E-19	1.4604E-17	0.274625	hyper	sig	chr22_19029307
chr10	79240062	79240062	+	7.366E-19	1.4621E-17	0.306425	hyper	sig	chr10_79240062
chr22	29313386	29313386	+	7.385E-19	1.4659E-17	0.262991	hyper	sig	chr22_29313386
chr8	96495340	96495340	+	7.386E-19	1.4661E-17	0.273423	hyper	sig	chr8_96495340
chr6	30172528	30172528	+	7.388E-19	1.4665E-17	0.232636	hyper	sig	chr6_30172528
chr7	73363637	73363637	+	7.392E-19	1.4673E-17	-0.37319	hypo	sig	chr7_73363637
chr12	81078096	81078096	+	7.394E-19	1.4674E-17	0.283271	hyper	sig	chr12_81078096
chr7	1.5E+08	149714203	+	7.398E-19	1.4683E-17	0.383266	hyper	sig	chr7_149714203
chr5	1.52E+08	151532835	+	7.409E-19	1.4704E-17	-0.25621	hypo	sig	chr5_151532835
chr11	27721905	27721905	+	7.414E-19	1.4713E-17	0.209243	hyper	sig	chr11_27721905
chr2	89611866	89611866	+	7.416E-19	1.4717E-17	0.305982	hyper	sig	chr2_89611866
chr17	49963937	49963937	+	7.421E-19	1.4727E-17	0.427759	hyper	sig	chr17_49963937
chr16	48499231	48499231	+	7.424E-19	1.4733E-17	-0.30351	hypo	sig	chr16_48499231
chr16	87013382	87013382	+	7.433E-19	1.4749E-17	0.423402	hyper	sig	chr16_87013382
chr5	1.36E+08	135546295	+	7.445E-19	1.4773E-17	-0.27367	hypo	sig	chr5_135546295
chr19	13962446	13962446	+	7.449E-19	1.4781E-17	0.363745	hyper	sig	chr19_13962446
chr1	3320162	3320162	+	7.452E-19	1.4786E-17	-0.22356	hypo	sig	chr1_3320162
chr4	55793698	55793698	+	7.457E-19	1.4796E-17	0.318682	hyper	sig	chr4_55793698
chr16	85892093	85892093	+	7.465E-19	1.4811E-17	-0.30037	hypo	sig	chr16_85892093
chr5	37839651	37839651	+	7.471E-19	1.4822E-17	0.262373	hyper	sig	chr5_37839651
chr15	29115650	29115650	+	7.476E-19	1.4831E-17	0.285041	hyper	sig	chr15_29115650
chr11	1558241	1558241	+	7.482E-19	1.4844E-17	0.270148	hyper	sig	chr11_1558241
chr10	84237489	84237489	+	7.491E-19	1.486E-17	0.284009	hyper	sig	chr10_84237489
chr5	1.81E+08	181174119	+	7.493E-19	1.4864E-17	0.257536	hyper	sig	chr5_181174119
chr16	78046213	78046213	+	7.505E-19	1.4888E-17	0.242464	hyper	sig	chr16_78046213
chr15	83283229	83283229	+	7.508E-19	1.4894E-17	0.278603	hyper	sig	chr15_83283229
chr14	74378148	74378148	+	7.509E-19	1.4895E-17	-0.22419	hypo	sig	chr14_74378148
chr16	89202410	89202410	+	7.512E-19	1.49E-17	0.241907	hyper	sig	chr16_89202410
chr12	54549225	54549225	+	7.522E-19	1.4919E-17	0.254792	hyper	sig	chr12_54549225
chr15	82949249	82949249	+	7.528E-19	1.4931E-17	-0.34725	hypo	sig	chr15_82949249
chr7	1.56E+08	156177472	+	7.533E-19	1.494E-17	-0.27376	hypo	sig	chr7_156177472
chr11	1.23E+08	123431102	+	7.54E-19	1.4954E-17	0.23786	hyper	sig	chr11_123431102

chr7	71132887	71132887	+	7.555E-19	1.4984E-17	0.272178	hyper	sig	chr7_71132887
chr2	2.41E+08	240818989	+	7.564E-19	1.5E-17	0.211667	hyper	sig	chr2_240818989
chr6	50820237	50820237	+	7.567E-19	1.5006E-17	0.310469	hyper	sig	chr6_50820237
chr6	1.65E+08	165310880	+	7.568E-19	1.5009E-17	-0.33221	hypo	sig	chr6_165310880
chr20	58853331	58853331	+	7.573E-19	1.5016E-17	-0.25748	hypo	sig	chr20_58853331
chr8	1.31E+08	131039798	+	7.574E-19	1.5019E-17	0.302859	hyper	sig	chr8_131039798
chr1	36321097	36321097	+	7.582E-19	1.5035E-17	0.268538	hyper	sig	chr1_36321097
chr17	82321423	82321423	+	7.591E-19	1.5051E-17	-0.32955	hypo	sig	chr17_82321423
chr17	27381050	27381050	+	7.593E-19	1.5054E-17	-0.33488	hypo	sig	chr17_27381050
chr7	37448645	37448645	+	7.601E-19	1.5069E-17	0.3427	hyper	sig	chr7_37448645
chr12	52368993	52368993	+	7.603E-19	1.5074E-17	-0.24594	hypo	sig	chr12_52368993
chr6	1.66E+08	166168671	+	7.605E-19	1.5077E-17	0.23921	hyper	sig	chr6_166168671
chr19	56671664	56671664	+	7.61E-19	1.5087E-17	0.283929	hyper	sig	chr19_56671664
chr10	80459715	80459715	+	7.614E-19	1.5094E-17	-0.28227	hypo	sig	chr10_80459715
chr17	82003734	82003734	+	7.616E-19	1.5098E-17	0.274741	hyper	sig	chr17_82003734
chr8	10731552	10731552	+	7.616E-19	1.5098E-17	0.309016	hyper	sig	chr8_10731552
chr17	75897582	75897582	+	7.617E-19	1.5099E-17	0.289039	hyper	sig	chr17_75897582
chr16	85282450	85282450	+	7.624E-19	1.5113E-17	-0.22789	hypo	sig	chr16_85282450
chr1	54781678	54781678	+	7.625E-19	1.5113E-17	0.283115	hyper	sig	chr1_54781678
chr8	1931550	1931550	+	7.626E-19	1.5115E-17	-0.30623	hypo	sig	chr8_1931550
chr16	89085421	89085421	+	7.628E-19	1.512E-17	-0.25153	hypo	sig	chr16_89085421
chr11	47272182	47272182	+	7.631E-19	1.5124E-17	0.226906	hyper	sig	chr11_47272182
chr16	55328885	55328885	+	7.631E-19	1.5125E-17	0.326981	hyper	sig	chr16_55328885
chr16	54936503	54936503	+	7.644E-19	1.515E-17	0.233712	hyper	sig	chr16_54936503
chr6	10887288	10887288	+	7.644E-19	1.515E-17	0.283838	hyper	sig	chr6_10887288
chr21	46462208	46462208	+	7.648E-19	1.5157E-17	0.262939	hyper	sig	chr21_46462208
chr4	20252940	20252940	+	7.649E-19	1.5158E-17	0.245372	hyper	sig	chr4_20252940
chr20	25058637	25058637	+	7.652E-19	1.5163E-17	0.219261	hyper	sig	chr20_25058637
chr3	1.34E+08	133674121	+	7.656E-19	1.5173E-17	0.282131	hyper	sig	chr3_133674121
chr7	27142052	27142052	+	7.66E-19	1.518E-17	0.238781	hyper	sig	chr7_27142052
chr19	1130887	1130887	+	7.665E-19	1.5188E-17	-0.26454	hypo	sig	chr19_1130887
chr12	54033280	54033280	+	7.666E-19	1.519E-17	0.237445	hyper	sig	chr12_54033280
chr8	55103142	55103142	+	7.67E-19	1.5199E-17	0.294999	hyper	sig	chr8_55103142
chr1	2E+08	200035443	+	7.675E-19	1.5208E-17	0.215133	hyper	sig	chr1_200035443
chr7	49776089	49776089	+	7.675E-19	1.5208E-17	0.217246	hyper	sig	chr7_49776089
chr16	81651519	81651519	+	7.677E-19	1.521E-17	0.248449	hyper	sig	chr16_81651519
chr9	34809656	34809656	+	7.679E-19	1.5214E-17	0.276308	hyper	sig	chr9_34809656
chr1	94540892	94540892	+	7.686E-19	1.5228E-17	-0.27358	hypo	sig	chr1_94540892
chr2	64858109	64858109	+	7.691E-19	1.5236E-17	0.270531	hyper	sig	chr2_64858109
chr1	9295379	9295379	+	7.692E-19	1.5239E-17	0.298259	hyper	sig	chr1_9295379
chr5	31193816	31193816	+	7.692E-19	1.5239E-17	0.328133	hyper	sig	chr5_31193816
chr22	31611238	31611238	+	7.696E-19	1.5246E-17	0.238461	hyper	sig	chr22_31611238
chr4	7183437	7183437	+	7.698E-19	1.5249E-17	-0.30296	hypo	sig	chr4_7183437
chr19	35307051	35307051	+	7.703E-19	1.5259E-17	-0.28033	hypo	sig	chr19_35307051
chr14	1.01E+08	101364633	+	7.704E-19	1.5261E-17	0.330319	hyper	sig	chr14_101364633
chr3	48579634	48579634	+	7.714E-19	1.5281E-17	-0.24124	hypo	sig	chr3_48579634
chr13	1.13E+08	112985412	+	7.715E-19	1.5281E-17	-0.27304	hypo	sig	chr13_112985412
chr17	81600577	81600577	+	7.723E-19	1.5298E-17	0.287247	hyper	sig	chr17_81600577
chr5	1.69E+08	169301232	+	7.724E-19	1.5299E-17	0.359306	hyper	sig	chr5_169301232
chr2	1.54E+08	153871456	+	7.729E-19	1.5307E-17	0.322774	hyper	sig	chr2_153871456
chr21	44990054	44990054	+	7.739E-19	1.5327E-17	0.265965	hyper	sig	chr21_44990054
chr17	46850944	46850944	+	7.74E-19	1.5328E-17	0.242702	hyper	sig	chr17_46850944
chr7	1.51E+08	151200562	+	7.745E-19	1.5338E-17	-0.24754	hypo	sig	chr7_151200562
chr22	42946997	42946997	+	7.748E-19	1.5344E-17	-0.22729	hypo	sig	chr22_42946997
chr2	2.4E+08	239678260	+	7.754E-19	1.5355E-17	-0.29895	hypo	sig	chr2_239678260
chr19	35225121	35225121	+	7.759E-19	1.5364E-17	0.336826	hyper	sig	chr19_35225121

chr6	1.7E+08	170152828	+	7.759E-19	1.5365E-17	-0.32194	hypo	sig	chr6_170152828
chr5	1.41E+08	141430936	+	7.762E-19	1.5369E-17	0.264879	hyper	sig	chr5_141430936
chr12	43572023	43572023	+	7.769E-19	1.5383E-17	0.309534	hyper	sig	chr12_43572023
chr11	1521130	1521130	+	7.775E-19	1.5395E-17	0.229068	hyper	sig	chr11_1521130
chr11	1.16E+08	115660299	+	7.781E-19	1.5406E-17	0.233697	hyper	sig	chr11_115660299
chr12	1.33E+08	132606300	+	7.787E-19	1.5417E-17	-0.24807	hypo	sig	chr12_132606300
chr10	1.32E+08	132280875	+	7.788E-19	1.5419E-17	-0.28186	hypo	sig	chr10_132280875
chr12	57767060	57767060	+	7.79E-19	1.5422E-17	0.223799	hyper	sig	chr12_57767060
chr11	66975330	66975330	+	7.795E-19	1.5433E-17	-0.30141	hypo	sig	chr11_66975330
chr5	83471583	83471583	+	7.8E-19	1.5442E-17	0.262042	hyper	sig	chr5_83471583
chr5	1.59E+08	159105322	+	7.806E-19	1.5453E-17	0.307803	hyper	sig	chr5_159105322
chr16	3183148	3183148	+	7.807E-19	1.5455E-17	0.2294	hyper	sig	chr16_3183148
chr7	20778346	20778346	+	7.808E-19	1.5457E-17	0.294542	hyper	sig	chr7_20778346
chr20	40690862	40690862	+	7.813E-19	1.5466E-17	0.261006	hyper	sig	chr20_40690862
chr18	50298700	50298700	+	7.815E-19	1.547E-17	0.227946	hyper	sig	chr18_50298700
chr2	20670552	20670552	+	7.815E-19	1.547E-17	0.267823	hyper	sig	chr2_20670552
chr12	1.3E+08	129700545	+	7.816E-19	1.5472E-17	-0.29359	hypo	sig	chr12_129700545
chr13	1.12E+08	112053428	+	7.82E-19	1.5479E-17	0.362521	hyper	sig	chr13_112053428
chr12	53945038	53945038	+	7.822E-19	1.5483E-17	0.230201	hyper	sig	chr12_53945038
chr11	1.23E+08	122976495	+	7.835E-19	1.5508E-17	0.416113	hyper	sig	chr11_122976495
chr7	561809	561809	+	7.845E-19	1.5527E-17	0.29079	hyper	sig	chr7_561809
chr12	75207671	75207671	+	7.869E-19	1.5573E-17	0.319272	hyper	sig	chr12_75207671
chr11	83791087	83791087	+	7.87E-19	1.5575E-17	-0.24008	hypo	sig	chr11_83791087
chr19	45217586	45217586	+	7.882E-19	1.5599E-17	0.208865	hyper	sig	chr19_45217586
chr4	622676	622676	+	7.883E-19	1.56E-17	-0.27404	hypo	sig	chr4_622676
chr6	1.59E+08	159168908	+	7.893E-19	1.562E-17	0.270436	hyper	sig	chr6_159168908
chr10	1.01E+08	101140734	+	7.896E-19	1.5626E-17	0.240615	hyper	sig	chr10_101140734
chr14	41605252	41605252	+	7.897E-19	1.5626E-17	0.312783	hyper	sig	chr14_41605252
chr4	1.47E+08	146637289	+	7.9E-19	1.5632E-17	0.363775	hyper	sig	chr4_146637289
chr17	4785983	4785983	+	7.907E-19	1.5646E-17	0.289824	hyper	sig	chr17_4785983
chr15	40927040	40927040	+	7.909E-19	1.5649E-17	-0.26542	hypo	sig	chr15_40927040
chr11	31799162	31799162	+	7.914E-19	1.5659E-17	0.307109	hyper	sig	chr11_31799162
chr15	66039573	66039573	+	7.916E-19	1.5662E-17	0.243119	hyper	sig	chr15_66039573
chr8	17495340	17495340	+	7.916E-19	1.5662E-17	-0.2334	hypo	sig	chr8_17495340
chr7	170170	170170	+	7.931E-19	1.5692E-17	-0.3284	hypo	sig	chr7_170170
chr1	87529482	87529482	+	7.939E-19	1.5708E-17	-0.30062	hypo	sig	chr1_87529482
chr21	37006348	37006348	+	7.943E-19	1.5715E-17	0.311296	hyper	sig	chr21_37006348
chr6	84778048	84778048	+	7.945E-19	1.5717E-17	-0.25546	hypo	sig	chr6_84778048
chr8	49909718	49909718	+	7.948E-19	1.5724E-17	0.290999	hyper	sig	chr8_49909718
chr1	63319927	63319927	+	7.955E-19	1.5736E-17	0.297865	hyper	sig	chr1_63319927
chr22	38214488	38214488	+	7.958E-19	1.5743E-17	0.312328	hyper	sig	chr22_38214488
chr5	1.46E+08	146342585	+	7.958E-19	1.5743E-17	0.259487	hyper	sig	chr5_146342585
chr11	1.16E+08	115758172	+	7.959E-19	1.5744E-17	-0.29162	hypo	sig	chr11_115758172
chr12	1.24E+08	124328396	+	7.963E-19	1.5752E-17	0.281756	hyper	sig	chr12_124328396
chr8	64576174	64576174	+	7.967E-19	1.5759E-17	0.318733	hyper	sig	chr8_64576174
chr22	50705521	50705521	+	7.968E-19	1.5759E-17	0.397171	hyper	sig	chr22_50705521
chr10	7667806	7667806	+	7.969E-19	1.5761E-17	0.263251	hyper	sig	chr10_7667806
chr5	1.36E+08	135930823	+	7.969E-19	1.5761E-17	0.290733	hyper	sig	chr5_135930823
chr22	49987778	49987778	+	7.973E-19	1.5769E-17	-0.34443	hypo	sig	chr22_49987778
chr12	1.2E+08	120250257	+	7.974E-19	1.5771E-17	0.283595	hyper	sig	chr12_120250257
chr10	22345112	22345112	+	7.982E-19	1.5787E-17	0.236365	hyper	sig	chr10_22345112
chr1	58249873	58249873	+	7.983E-19	1.5789E-17	0.228169	hyper	sig	chr1_58249873
chr11	1.19E+08	119422112	+	7.984E-19	1.579E-17	0.234196	hyper	sig	chr11_119422112
chr6	1.61E+08	160679542	+	7.986E-19	1.5793E-17	0.296437	hyper	sig	chr6_160679542
chr20	63658051	63658051	+	7.987E-19	1.5795E-17	0.28061	hyper	sig	chr20_63658051
chr1	2959782	2959782	+	7.989E-19	1.5797E-17	-0.28427	hypo	sig	chr1_2959782

chr7	4730384	4730384	+	7.993E-19	1.5805E-17	0.231592	hyper	sig	chr7_4730384
chr1	1.47E+08	147072547	+	7.994E-19	1.5807E-17	0.262546	hyper	sig	chr1_147072547
chr1	2E+08	200035439	+	7.995E-19	1.5809E-17	0.233873	hyper	sig	chr1_200035439
chr17	49965208	49965208	+	8E-19	1.5817E-17	0.224611	hyper	sig	chr17_49965208
chr20	58514974	58514974	+	8.001E-19	1.5819E-17	0.386654	hyper	sig	chr20_58514974
chr13	23945852	23945852	+	8.001E-19	1.582E-17	0.258877	hyper	sig	chr13_23945852
chr10	1.23E+08	122954703	+	8.017E-19	1.585E-17	0.268096	hyper	sig	chr10_122954703
chr17	40782545	40782545	+	8.02E-19	1.5857E-17	-0.22021	hypo	sig	chr17_40782545
chr19	45398290	45398290	+	8.021E-19	1.5857E-17	0.280954	hyper	sig	chr19_45398290
chr19	40222329	40222329	+	8.022E-19	1.586E-17	0.217712	hyper	sig	chr19_40222329
chr5	25909351	25909351	+	8.025E-19	1.5865E-17	-0.26618	hypo	sig	chr5_25909351
chr4	7433881	7433881	+	8.029E-19	1.5873E-17	-0.27581	hypo	sig	chr4_7433881
chr5	59893559	59893559	+	8.03E-19	1.5874E-17	0.306266	hyper	sig	chr5_59893559
chr6	10881760	10881760	+	8.033E-19	1.5879E-17	0.248135	hyper	sig	chr6_10881760
chr5	1153631	1153631	+	8.036E-19	1.5885E-17	-0.26828	hypo	sig	chr5_1153631
chr14	99792893	99792893	+	8.051E-19	1.5914E-17	0.26529	hyper	sig	chr14_99792893
chr2	25253058	25253058	+	8.057E-19	1.5926E-17	0.286135	hyper	sig	chr2_25253058
chr8	84183802	84183802	+	8.069E-19	1.5949E-17	0.288108	hyper	sig	chr8_84183802
chr17	48552475	48552475	+	8.07E-19	1.595E-17	0.328391	hyper	sig	chr17_48552475
chr6	26743176	26743176	+	8.076E-19	1.5962E-17	0.387503	hyper	sig	chr6_26743176
chr11	1.23E+08	122977416	+	8.078E-19	1.5965E-17	0.332565	hyper	sig	chr11_122977416
chr19	55858127	55858127	+	8.078E-19	1.5965E-17	-0.2618	hypo	sig	chr19_55858127
chr7	1386536	1386536	+	8.103E-19	1.6014E-17	-0.38782	hypo	sig	chr7_1386536
chr7	1.4E+08	140435783	+	8.108E-19	1.6023E-17	0.248785	hyper	sig	chr7_140435783
chr2	11105281	11105281	+	8.108E-19	1.6024E-17	-0.28952	hypo	sig	chr2_11105281
chr2	2.19E+08	219358561	+	8.117E-19	1.6041E-17	0.319201	hyper	sig	chr2_219358561
chr7	73377434	73377434	+	8.121E-19	1.6047E-17	0.370847	hyper	sig	chr7_73377434
chr17	8681218	8681218	+	8.122E-19	1.605E-17	0.259639	hyper	sig	chr17_8681218
chr7	95318708	95318708	+	8.125E-19	1.6056E-17	-0.29031	hypo	sig	chr7_95318708
chr8	1.08E+08	108131834	+	8.132E-19	1.6068E-17	-0.2731	hypo	sig	chr8_108131834
chr21	26846316	26846316	+	8.149E-19	1.61E-17	0.208625	hyper	sig	chr21_26846316
chr11	69115911	69115911	+	8.149E-19	1.61E-17	-0.30495	hypo	sig	chr11_69115911
chr2	1287678	1287678	+	8.152E-19	1.6106E-17	-0.21845	hypo	sig	chr2_1287678
chr11	43575783	43575783	+	8.155E-19	1.6112E-17	0.20647	hyper	sig	chr11_43575783
chr2	2.4E+08	240323400	+	8.157E-19	1.6114E-17	-0.33414	hypo	sig	chr2_240323400
chr1	6345621	6345621	+	8.16E-19	1.6119E-17	-0.20134	hypo	sig	chr1_6345621
chr6	1.5E+08	149546803	+	8.162E-19	1.6125E-17	-0.38266	hypo	sig	chr6_149546803
chr19	57099480	57099480	+	8.168E-19	1.6136E-17	0.339625	hyper	sig	chr19_57099480
chr11	65856050	65856050	+	8.17E-19	1.6139E-17	-0.26927	hypo	sig	chr11_65856050
chr15	74133232	74133232	+	8.171E-19	1.6141E-17	0.348776	hyper	sig	chr15_74133232
chr10	70283801	70283801	+	8.173E-19	1.6144E-17	0.310883	hyper	sig	chr10_70283801
chr12	6553883	6553883	+	8.177E-19	1.615E-17	0.251178	hyper	sig	chr12_6553883
chr5	1.41E+08	141421902	+	8.178E-19	1.6152E-17	0.299074	hyper	sig	chr5_141421902
chr2	2.39E+08	239308757	+	8.192E-19	1.6179E-17	0.340183	hyper	sig	chr2_239308757
chr1	99264911	99264911	+	8.203E-19	1.62E-17	0.228699	hyper	sig	chr1_99264911
chr1	55007880	55007880	+	8.217E-19	1.6228E-17	-0.28065	hypo	sig	chr1_55007880
chr14	68628970	68628970	+	8.222E-19	1.6237E-17	-0.31196	hypo	sig	chr14_68628970
chr15	99106589	99106589	+	8.222E-19	1.6238E-17	0.267962	hyper	sig	chr15_99106589
chr5	73444921	73444921	+	8.227E-19	1.6247E-17	0.290271	hyper	sig	chr5_73444921
chr8	1.43E+08	142777162	+	8.228E-19	1.6247E-17	0.254604	hyper	sig	chr8_142777162
chr10	1.2E+08	119541529	+	8.238E-19	1.6268E-17	0.276258	hyper	sig	chr10_119541529
chr8	578524	578524	+	8.254E-19	1.6298E-17	-0.24956	hypo	sig	chr8_578524
chr12	1.2E+08	120397860	+	8.26E-19	1.6309E-17	0.297925	hyper	sig	chr12_120397860
chr6	29797547	29797547	+	8.261E-19	1.631E-17	-0.27042	hypo	sig	chr6_29797547
chr2	2.4E+08	240030758	+	8.262E-19	1.6312E-17	-0.2181	hypo	sig	chr2_240030758
chr19	15181679	15181679	+	8.262E-19	1.6312E-17	-0.35852	hypo	sig	chr19_15181679

chr8	1.44E+08	143891625	+	8.271E-19	1.633E-17	-0.30199	hypo	sig	chr8_143891625
chr19	2273204	2273204	+	8.272E-19	1.6331E-17	-0.30364	hypo	sig	chr19_2273204
chr19	13962463	13962463	+	8.274E-19	1.6334E-17	0.343181	hyper	sig	chr19_13962463
chr1	1.46E+08	146486600	+	8.274E-19	1.6335E-17	0.427593	hyper	sig	chr1_146486600
chr7	1.4E+08	140232332	+	8.274E-19	1.6335E-17	-0.21055	hypo	sig	chr7_140232332
chr8	1.31E+08	131041593	+	8.275E-19	1.6336E-17	0.327773	hyper	sig	chr8_131041593
chr9	1.36E+08	136361940	+	8.285E-19	1.6355E-17	0.284731	hyper	sig	chr9_136361940
chr1	1.57E+08	156845090	+	8.285E-19	1.6355E-17	0.310072	hyper	sig	chr1_156845090
chr16	19715820	19715820	+	8.289E-19	1.6363E-17	-0.24647	hypo	sig	chr16_19715820
chr11	8684028	8684028	+	8.292E-19	1.6368E-17	-0.25827	hypo	sig	chr11_8684028
chr10	99533423	99533423	+	8.294E-19	1.6371E-17	0.230013	hyper	sig	chr10_99533423
chr13	94703906	94703906	+	8.299E-19	1.6381E-17	0.428898	hyper	sig	chr13_94703906
chr13	1.13E+08	112771668	+	8.304E-19	1.6389E-17	-0.26426	hypo	sig	chr13_112771668
chr10	1.17E+08	117132120	+	8.311E-19	1.6403E-17	0.279667	hyper	sig	chr10_117132120
chr7	2628015	2628015	+	8.316E-19	1.6413E-17	-0.37389	hypo	sig	chr7_2628015
chr17	64782252	64782252	+	8.318E-19	1.6417E-17	-0.27656	hypo	sig	chr17_64782252
chr21	42838142	42838142	+	8.322E-19	1.6424E-17	0.267275	hyper	sig	chr21_42838142
chr3	1.8E+08	180036733	+	8.325E-19	1.643E-17	0.255851	hyper	sig	chr3_180036733
chr3	1.41E+08	141069629	+	8.333E-19	1.6445E-17	-0.24548	hypo	sig	chr3_141069629
chr3	32940939	32940939	+	8.34E-19	1.6458E-17	0.326568	hyper	sig	chr3_32940939
chr17	76917887	76917887	+	8.343E-19	1.6463E-17	-0.3991	hypo	sig	chr17_76917887
chr20	63044254	63044254	+	8.348E-19	1.6472E-17	-0.37966	hypo	sig	chr20_63044254
chr18	79576153	79576153	+	8.355E-19	1.6486E-17	0.245323	hyper	sig	chr18_79576153
chr13	25928916	25928916	+	8.356E-19	1.6488E-17	-0.25645	hypo	sig	chr13_25928916
chr6	10419031	10419031	+	8.358E-19	1.649E-17	0.3675	hyper	sig	chr6_10419031
chr7	1E+08	100093550	+	8.362E-19	1.6499E-17	0.222912	hyper	sig	chr7_100093550
chr9	1.33E+08	133114288	+	8.364E-19	1.6503E-17	0.24776	hyper	sig	chr9_133114288
chr5	88678175	88678175	+	8.368E-19	1.6511E-17	0.298209	hyper	sig	chr5_88678175
chr1	2.28E+08	227888002	+	8.381E-19	1.6534E-17	0.288752	hyper	sig	chr1_227888002
chr13	1.14E+08	113583284	+	8.39E-19	1.6551E-17	-0.25221	hypo	sig	chr13_113583284
chr8	26010565	26010565	+	8.393E-19	1.6557E-17	0.265069	hyper	sig	chr8_26010565
chr12	1.14E+08	114414510	+	8.395E-19	1.6562E-17	0.294233	hyper	sig	chr12_114414510
chr19	49142989	49142989	+	8.4E-19	1.6572E-17	0.24302	hyper	sig	chr19_49142989
chr1	50427975	50427975	+	8.405E-19	1.658E-17	0.303809	hyper	sig	chr1_50427975
chr9	34457549	34457549	+	8.407E-19	1.6583E-17	0.350431	hyper	sig	chr9_34457549
chr3	56464290	56464290	+	8.412E-19	1.6593E-17	-0.26605	hypo	sig	chr3_56464290
chr21	44539259	44539259	+	8.413E-19	1.6595E-17	-0.31277	hypo	sig	chr21_44539259
chr10	1.03E+08	103473698	+	8.422E-19	1.6612E-17	0.206966	hyper	sig	chr10_103473698
chr22	49671395	49671395	+	8.438E-19	1.6642E-17	0.281784	hyper	sig	chr22_49671395
chr8	1.43E+08	142911366	+	8.455E-19	1.6677E-17	-0.37298	hypo	sig	chr8_142911366
chr19	1271281	1271281	+	8.465E-19	1.6695E-17	0.34192	hyper	sig	chr19_1271281
chr12	1.24E+08	124387614	+	8.468E-19	1.67E-17	0.329181	hyper	sig	chr12_124387614
chr19	17329134	17329134	+	8.468E-19	1.67E-17	0.209262	hyper	sig	chr19_17329134
chr8	1.41E+08	140549660	+	8.473E-19	1.6709E-17	0.232435	hyper	sig	chr8_140549660
chr3	1.8E+08	180037402	+	8.476E-19	1.6715E-17	0.331973	hyper	sig	chr3_180037402
chr11	69891771	69891771	+	8.487E-19	1.6736E-17	-0.2125	hypo	sig	chr11_69891771
chr2	1.91E+08	190761242	+	8.487E-19	1.6737E-17	0.239622	hyper	sig	chr2_190761242
chr5	1.81E+08	180825322	+	8.494E-19	1.675E-17	0.223428	hyper	sig	chr5_180825322
chr15	89360488	89360488	+	8.501E-19	1.6762E-17	0.234909	hyper	sig	chr15_89360488
chr4	1.25E+08	125316330	+	8.512E-19	1.6785E-17	0.216547	hyper	sig	chr4_125316330
chr7	1.51E+08	151181156	+	8.525E-19	1.6809E-17	-0.25781	hypo	sig	chr7_151181156
chr11	31824076	31824076	+	8.527E-19	1.6813E-17	0.315069	hyper	sig	chr11_31824076
chr16	766593	766593	+	8.529E-19	1.6817E-17	-0.3348	hypo	sig	chr16_766593
chr7	1.39E+08	138626166	+	8.533E-19	1.6824E-17	-0.25564	hypo	sig	chr7_138626166
chr9	1.37E+08	137199132	+	8.538E-19	1.6833E-17	-0.25371	hypo	sig	chr9_137199132
chr11	94401512	94401512	+	8.544E-19	1.6845E-17	0.274974	hyper	sig	chr11_94401512

chr19	34905275	34905275	+	8.544E-19	1.6845E-17	0.337644	hyper	sig	chr19_34905275
chr19	3785867	3785867	+	8.554E-19	1.6863E-17	0.278531	hyper	sig	chr19_3785867
chr8	52939724	52939724	+	8.554E-19	1.6863E-17	0.385594	hyper	sig	chr8_52939724
chr20	45097815	45097815	+	8.562E-19	1.6879E-17	0.302652	hyper	sig	chr20_45097815
chr15	83379541	83379541	+	8.564E-19	1.6882E-17	0.294731	hyper	sig	chr15_83379541
chr11	74720976	74720976	+	8.579E-19	1.6911E-17	0.300858	hyper	sig	chr11_74720976
chr16	88316354	88316354	+	8.582E-19	1.6917E-17	-0.3256	hypo	sig	chr16_88316354
chr17	48545178	48545178	+	8.589E-19	1.6929E-17	0.255733	hyper	sig	chr17_48545178
chr1	2237922	2237922	+	8.604E-19	1.6958E-17	0.24598	hyper	sig	chr1_2237922
chr4	1.33E+08	133148364	+	8.605E-19	1.696E-17	0.279807	hyper	sig	chr4_133148364
chr5	31193801	31193801	+	8.61E-19	1.6971E-17	0.302245	hyper	sig	chr5_31193801
chr12	1.32E+08	132286369	+	8.611E-19	1.6971E-17	0.248754	hyper	sig	chr12_132286369
chr6	1.5E+08	149964588	+	8.611E-19	1.6971E-17	0.228483	hyper	sig	chr6_149964588
chr6	28816694	28816694	+	8.614E-19	1.6978E-17	0.218155	hyper	sig	chr6_28816694
chr7	1.37E+08	136871075	+	8.617E-19	1.6982E-17	0.31867	hyper	sig	chr7_136871075
chr2	1.44E+08	143937554	+	8.634E-19	1.7014E-17	0.25224	hyper	sig	chr2_143937554
chr7	1556414	1556414	+	8.659E-19	1.7063E-17	-0.2378	hypo	sig	chr7_1556414
chr22	25179459	25179459	+	8.66E-19	1.7064E-17	0.264086	hyper	sig	chr22_25179459
chr11	64609829	64609829	+	8.662E-19	1.7068E-17	-0.34883	hypo	sig	chr11_64609829
chr17	4900857	4900857	+	8.67E-19	1.7083E-17	0.347192	hyper	sig	chr17_4900857
chr1	3063428	3063428	+	8.673E-19	1.7089E-17	0.358228	hyper	sig	chr1_3063428
chr11	1.23E+08	122980485	+	8.676E-19	1.7094E-17	0.256924	hyper	sig	chr11_122980485
chr3	196478	196478	+	8.692E-19	1.7125E-17	0.291546	hyper	sig	chr3_196478
chr16	760803	760803	+	8.695E-19	1.7131E-17	-0.30815	hypo	sig	chr16_760803
chr5	959001	959001	+	8.707E-19	1.7153E-17	-0.27917	hypo	sig	chr5_959001
chr6	31946402	31946402	+	8.713E-19	1.7165E-17	-0.28765	hypo	sig	chr6_31946402
chr9	1.36E+08	136342352	+	8.732E-19	1.7201E-17	0.310989	hyper	sig	chr9_136342352
chr11	64291363	64291363	+	8.739E-19	1.7215E-17	0.264287	hyper	sig	chr11_64291363
chr8	1.41E+08	141299588	+	8.743E-19	1.7224E-17	0.209689	hyper	sig	chr8_141299588
chr13	50132452	50132452	+	8.75E-19	1.7237E-17	0.280318	hyper	sig	chr13_50132452
chr12	1.04E+08	104303571	+	8.757E-19	1.725E-17	0.250332	hyper	sig	chr12_104303571
chr15	78434234	78434234	+	8.758E-19	1.7251E-17	-0.23317	hypo	sig	chr15_78434234
chr2	691012	691012	+	8.763E-19	1.726E-17	-0.28497	hypo	sig	chr2_691012
chr12	1.13E+08	113464502	+	8.769E-19	1.7272E-17	0.307437	hyper	sig	chr12_113464502
chr3	79767215	79767215	+	8.778E-19	1.7289E-17	0.232108	hyper	sig	chr3_79767215
chr16	2235805	2235805	+	8.785E-19	1.7302E-17	-0.28632	hypo	sig	chr16_2235805
chr11	1305269	1305269	+	8.791E-19	1.7314E-17	-0.24147	hypo	sig	chr11_1305269
chr18	50725944	50725944	+	8.796E-19	1.7323E-17	-0.26091	hypo	sig	chr18_50725944
chr13	27975858	27975858	+	8.8E-19	1.733E-17	0.289326	hyper	sig	chr13_27975858
chr20	23087060	23087060	+	8.809E-19	1.7347E-17	-0.25822	hypo	sig	chr20_23087060
chr11	726367	726367	+	8.811E-19	1.7351E-17	0.230601	hyper	sig	chr11_726367
chr1	1.19E+08	118979316	+	8.814E-19	1.7357E-17	0.277822	hyper	sig	chr1_118979316
chr22	29313381	29313381	+	8.816E-19	1.7359E-17	0.26591	hyper	sig	chr22_29313381
chr6	34238415	34238415	+	8.821E-19	1.7369E-17	-0.231	hypo	sig	chr6_34238415
chr5	1.27E+08	127290855	+	8.826E-19	1.7377E-17	0.205495	hyper	sig	chr5_127290855
chr6	33205724	33205724	+	8.827E-19	1.7379E-17	-0.23845	hypo	sig	chr6_33205724
chr5	43034294	43034294	+	8.833E-19	1.7391E-17	0.361244	hyper	sig	chr5_43034294
chr1	46448130	46448130	+	8.834E-19	1.7392E-17	0.285087	hyper	sig	chr1_46448130
chr14	69480554	69480554	+	8.839E-19	1.7402E-17	-0.24991	hypo	sig	chr14_69480554
chr1	71047431	71047431	+	8.843E-19	1.7408E-17	0.227626	hyper	sig	chr1_71047431
chr8	11703031	11703031	+	8.844E-19	1.7411E-17	0.229729	hyper	sig	chr8_11703031
chr17	82228270	82228270	+	8.844E-19	1.7411E-17	-0.31647	hypo	sig	chr17_82228270
chr5	1003823	1003823	+	8.846E-19	1.7415E-17	-0.30123	hypo	sig	chr5_1003823
chr12	1.04E+08	104457576	+	8.86E-19	1.7442E-17	0.298445	hyper	sig	chr12_104457576
chr2	30230909	30230909	+	8.88E-19	1.748E-17	0.365675	hyper	sig	chr2_30230909
chr22	20204848	20204848	+	8.881E-19	1.7481E-17	0.279141	hyper	sig	chr22_20204848

chr16	85845539	85845539	+	8.883E-19	1.7485E-17	0.22304	hyper	sig	chr16_85845539
chr22	20264988	20264988	+	8.886E-19	1.7491E-17	-0.24777	hypo	sig	chr22_20264988
chr10	1.32E+08	132329985	+	8.89E-19	1.7498E-17	-0.28501	hypo	sig	chr10_132329985
chr14	1.01E+08	101364690	+	8.893E-19	1.7503E-17	0.296799	hyper	sig	chr14_101364690
chr10	1736591	1736591	+	8.894E-19	1.7505E-17	0.236418	hyper	sig	chr10_1736591
chr6	1.37E+08	137045408	+	8.897E-19	1.751E-17	-0.23817	hypo	sig	chr6_137045408
chr19	22626186	22626186	+	8.9E-19	1.7515E-17	-0.29484	hypo	sig	chr19_22626186
chr16	68642859	68642859	+	8.903E-19	1.7521E-17	0.29791	hyper	sig	chr16_68642859
chr8	48923440	48923440	+	8.906E-19	1.7528E-17	-0.34497	hypo	sig	chr8_48923440
chr6	1.05E+08	104953074	+	8.908E-19	1.7531E-17	0.308106	hyper	sig	chr6_104953074
chr17	27381025	27381025	+	8.911E-19	1.7535E-17	-0.32803	hypo	sig	chr17_27381025
chr5	1.46E+08	146338889	+	8.911E-19	1.7535E-17	0.263622	hyper	sig	chr5_146338889
chr5	1.41E+08	141384968	+	8.912E-19	1.7538E-17	0.275568	hyper	sig	chr5_141384968
chr7	73424443	73424443	+	8.93E-19	1.7571E-17	0.283659	hyper	sig	chr7_73424443
chr3	1.26E+08	126341421	+	8.932E-19	1.7574E-17	-0.30176	hypo	sig	chr3_126341421
chr3	1.92E+08	192408503	+	8.932E-19	1.7574E-17	0.319046	hyper	sig	chr3_192408503
chr8	97278105	97278105	+	8.934E-19	1.7578E-17	0.25057	hyper	sig	chr8_97278105
chr8	1.44E+08	143950469	+	8.946E-19	1.7602E-17	-0.29946	hypo	sig	chr8_143950469
chr19	5838869	5838869	+	8.95E-19	1.7609E-17	-0.26313	hypo	sig	chr19_5838869
chr4	6664319	6664319	+	8.95E-19	1.7609E-17	0.335484	hyper	sig	chr4_6664319
chr11	45930309	45930309	+	8.964E-19	1.7635E-17	-0.25415	hypo	sig	chr11_45930309
chr8	4992027	4992027	+	8.965E-19	1.7637E-17	0.284072	hyper	sig	chr8_4992027
chr17	81839182	81839182	+	8.968E-19	1.7642E-17	0.248231	hyper	sig	chr17_81839182
chr16	88088099	88088099	+	8.97E-19	1.7647E-17	-0.27627	hypo	sig	chr16_88088099
chr17	82243398	82243398	+	8.974E-19	1.7653E-17	0.259074	hyper	sig	chr17_82243398
chr7	1.52E+08	151796721	+	8.976E-19	1.7658E-17	-0.36788	hypo	sig	chr7_151796721
chr12	53960814	53960814	+	8.979E-19	1.7662E-17	0.268284	hyper	sig	chr12_53960814
chr8	60660736	60660736	+	8.99E-19	1.7684E-17	-0.20903	hypo	sig	chr8_60660736
chr21	43812351	43812351	+	8.992E-19	1.7687E-17	-0.28511	hypo	sig	chr21_43812351
chr1	1.62E+08	161722165	+	8.997E-19	1.7697E-17	-0.34067	hypo	sig	chr1_161722165
chr3	14556083	14556083	+	9.01E-19	1.7721E-17	-0.2806	hypo	sig	chr3_14556083
chr19	45385906	45385906	+	9.016E-19	1.7732E-17	0.310773	hyper	sig	chr19_45385906
chr5	77851216	77851216	+	9.02E-19	1.774E-17	0.331061	hyper	sig	chr5_77851216
chr10	43573935	43573935	+	9.022E-19	1.7743E-17	0.315041	hyper	sig	chr10_43573935
chr1	2274432	2274432	+	9.03E-19	1.7759E-17	0.281793	hyper	sig	chr1_2274432
chr6	20032433	20032433	+	9.036E-19	1.777E-17	0.274935	hyper	sig	chr6_20032433
chr2	63056866	63056866	+	9.043E-19	1.7784E-17	0.242657	hyper	sig	chr2_63056866
chr20	44355988	44355988	+	9.046E-19	1.7789E-17	-0.27151	hypo	sig	chr20_44355988
chr5	1.81E+08	181059736	+	9.046E-19	1.7789E-17	0.242657	hyper	sig	chr5_181059736
chr15	52798686	52798686	+	9.05E-19	1.7796E-17	0.326731	hyper	sig	chr15_52798686
chr16	49465225	49465225	+	9.058E-19	1.7811E-17	0.273714	hyper	sig	chr16_49465225
chr2	5691106	5691106	+	9.063E-19	1.7821E-17	0.251282	hyper	sig	chr2_5691106
chr1	1.47E+08	147072783	+	9.073E-19	1.7839E-17	0.343597	hyper	sig	chr1_147072783
chr3	49686169	49686169	+	9.074E-19	1.7841E-17	0.245904	hyper	sig	chr3_49686169
chr11	27720354	27720354	+	9.076E-19	1.7844E-17	0.314307	hyper	sig	chr11_27720354
chr4	41873541	41873541	+	9.088E-19	1.7867E-17	0.469417	hyper	sig	chr4_41873541
chr11	94545474	94545474	+	9.096E-19	1.7882E-17	-0.27362	hypo	sig	chr11_94545474
chr5	1.41E+08	141361770	+	9.096E-19	1.7882E-17	0.279787	hyper	sig	chr5_141361770
chr19	40388490	40388490	+	9.1E-19	1.7889E-17	-0.23368	hypo	sig	chr19_40388490
chr2	1.71E+08	170815176	+	9.112E-19	1.7912E-17	0.297584	hyper	sig	chr2_170815176
chr14	1.05E+08	104635352	+	9.116E-19	1.7919E-17	-0.31193	hypo	sig	chr14_104635352
chr15	24101888	24101888	+	9.132E-19	1.795E-17	0.215655	hyper	sig	chr15_24101888
chr7	1.55E+08	155374867	+	9.139E-19	1.7964E-17	0.22708	hyper	sig	chr7_155374867
chr13	52739686	52739686	+	9.141E-19	1.7967E-17	0.302831	hyper	sig	chr13_52739686
chr17	81648831	81648831	+	9.15E-19	1.7985E-17	0.225641	hyper	sig	chr17_81648831
chr13	1.14E+08	114089729	+	9.151E-19	1.7986E-17	-0.27148	hypo	sig	chr13_114089729

chr19	5681340	5681340	+	9.16E-19	1.8003E-17	0.278575	hyper	sig	chr19_5681340
chr5	88660045	88660045	+	9.162E-19	1.8008E-17	0.317126	hyper	sig	chr5_88660045
chr13	26046454	26046454	+	9.168E-19	1.8019E-17	-0.35571	hypo	sig	chr13_26046454
chr10	75048919	75048919	+	9.17E-19	1.8021E-17	-0.29166	hypo	sig	chr10_75048919
chr22	38214507	38214507	+	9.171E-19	1.8023E-17	0.299171	hyper	sig	chr22_38214507
chr11	15938196	15938196	+	9.19E-19	1.8061E-17	0.337573	hyper	sig	chr11_15938196
chr6	83853121	83853121	+	9.194E-19	1.8066E-17	0.223445	hyper	sig	chr6_83853121
chr1	44261345	44261345	+	9.197E-19	1.8072E-17	-0.26659	hypo	sig	chr1_44261345
chr1	2.14E+08	214380559	+	9.208E-19	1.8093E-17	0.221243	hyper	sig	chr1_214380559
chr1	1.81E+08	180913594	+	9.21E-19	1.8096E-17	0.283913	hyper	sig	chr1_180913594
chr9	91421198	91421198	+	9.212E-19	1.8099E-17	0.247695	hyper	sig	chr9_91421198
chr5	55822107	55822107	+	9.216E-19	1.8107E-17	0.259525	hyper	sig	chr5_55822107
chr5	77632612	77632612	+	9.217E-19	1.8109E-17	0.317477	hyper	sig	chr5_77632612
chr12	34366919	34366919	+	9.218E-19	1.811E-17	-0.31137	hypo	sig	chr12_34366919
chr8	10591384	10591384	+	9.222E-19	1.8118E-17	-0.34306	hypo	sig	chr8_10591384
chr21	42666173	42666173	+	9.223E-19	1.8119E-17	-0.27209	hypo	sig	chr21_42666173
chr7	27148429	27148429	+	9.23E-19	1.8134E-17	0.232896	hyper	sig	chr7_27148429
chr5	31193804	31193804	+	9.235E-19	1.8143E-17	0.288698	hyper	sig	chr5_31193804
chr7	1242453	1242453	+	9.24E-19	1.8152E-17	0.331064	hyper	sig	chr7_1242453
chr19	2093953	2093953	+	9.247E-19	1.8164E-17	0.284092	hyper	sig	chr19_2093953
chr6	29553937	29553937	+	9.249E-19	1.8169E-17	0.223071	hyper	sig	chr6_29553937
chr2	2.18E+08	218368900	+	9.259E-19	1.8187E-17	0.276992	hyper	sig	chr2_218368900
chr3	11569185	11569185	+	9.267E-19	1.8202E-17	0.342448	hyper	sig	chr3_11569185
chr16	55656306	55656306	+	9.267E-19	1.8202E-17	0.287953	hyper	sig	chr16_55656306
chr7	44141430	44141430	+	9.269E-19	1.8206E-17	-0.20067	hypo	sig	chr7_44141430
chr12	53955399	53955399	+	9.284E-19	1.8235E-17	0.351662	hyper	sig	chr12_53955399
chr19	10294493	10294493	+	9.285E-19	1.8235E-17	0.296438	hyper	sig	chr19_10294493
chr13	25096021	25096021	+	9.285E-19	1.8236E-17	0.280576	hyper	sig	chr13_25096021
chr17	48725219	48725219	+	9.294E-19	1.8252E-17	0.236312	hyper	sig	chr17_48725219
chr11	62547759	62547759	+	9.3E-19	1.8264E-17	0.339787	hyper	sig	chr11_62547759
chr11	1.19E+08	119376320	+	9.303E-19	1.8269E-17	0.267348	hyper	sig	chr11_119376320
chr11	66049129	66049129	+	9.316E-19	1.8294E-17	0.319624	hyper	sig	chr11_66049129
chr1	1.44E+08	143654721	+	9.318E-19	1.8298E-17	0.240869	hyper	sig	chr1_143654721
chr11	94545746	94545746	+	9.324E-19	1.831E-17	-0.27501	hypo	sig	chr11_94545746
chr5	83471879	83471879	+	9.33E-19	1.8321E-17	0.25509	hyper	sig	chr5_83471879
chr15	83283775	83283775	+	9.332E-19	1.8323E-17	0.228466	hyper	sig	chr15_83283775
chr5	1.79E+08	179060838	+	9.332E-19	1.8323E-17	0.282392	hyper	sig	chr5_179060838
chr5	1.67E+08	166978480	+	9.334E-19	1.8327E-17	0.240798	hyper	sig	chr5_166978480
chr7	1.3E+08	129958836	+	9.338E-19	1.8334E-17	-0.2289	hypo	sig	chr7_129958836
chr15	66714836	66714836	+	9.347E-19	1.835E-17	0.306172	hyper	sig	chr15_66714836
chr22	49613076	49613076	+	9.352E-19	1.836E-17	-0.31331	hypo	sig	chr22_49613076
chr11	1073587	1073587	+	9.353E-19	1.8362E-17	-0.29417	hypo	sig	chr11_1073587
chr11	67650658	67650658	+	9.359E-19	1.8372E-17	-0.22933	hypo	sig	chr11_67650658
chr2	8574233	8574233	+	9.361E-19	1.8376E-17	-0.2421	hypo	sig	chr2_8574233
chr16	89949683	89949683	+	9.384E-19	1.842E-17	0.322077	hyper	sig	chr16_89949683
chr19	37403005	37403005	+	9.397E-19	1.8446E-17	-0.43456	hypo	sig	chr19_37403005
chr11	32427174	32427174	+	9.4E-19	1.8452E-17	0.214895	hyper	sig	chr11_32427174
chr7	1.41E+08	141073099	+	9.406E-19	1.8462E-17	0.208778	hyper	sig	chr7_141073099
chr5	74876494	74876494	+	9.416E-19	1.8481E-17	-0.23747	hypo	sig	chr5_74876494
chr5	1.41E+08	141339577	+	9.419E-19	1.8488E-17	0.26107	hyper	sig	chr5_141339577
chr16	998014	998014	+	9.421E-19	1.8492E-17	-0.39764	hypo	sig	chr16_998014
chr12	4809770	4809770	+	9.432E-19	1.8512E-17	0.278941	hyper	sig	chr12_4809770
chr2	11785126	11785126	+	9.432E-19	1.8512E-17	0.254252	hyper	sig	chr2_11785126
chr2	88766052	88766052	+	9.437E-19	1.8521E-17	0.28946	hyper	sig	chr2_88766052
chr17	36946087	36946087	+	9.438E-19	1.8522E-17	0.222675	hyper	sig	chr17_36946087
chr16	29614609	29614609	+	9.439E-19	1.8524E-17	0.236849	hyper	sig	chr16_29614609

chr19	2607930	2607930	+	9.44E-19	1.8526E-17	-0.23925	hypo	sig	chr19_2607930
chr6	32153086	32153086	+	9.448E-19	1.8539E-17	0.262736	hyper	sig	chr6_32153086
chr6	1E+08	100469087	+	9.453E-19	1.8549E-17	0.228988	hyper	sig	chr6_100469087
chr20	63494871	63494871	+	9.462E-19	1.8566E-17	-0.33505	hypo	sig	chr20_63494871
chr19	4891200	4891200	+	9.466E-19	1.8573E-17	-0.20758	hypo	sig	chr19_4891200
chr6	1.61E+08	161234029	+	9.474E-19	1.8589E-17	-0.30962	hypo	sig	chr6_161234029
chr8	1.44E+08	143950459	+	9.483E-19	1.8605E-17	-0.30153	hypo	sig	chr8_143950459
chr9	19128830	19128830	+	9.483E-19	1.8606E-17	0.245715	hyper	sig	chr9_19128830
chr7	1.01E+08	101174676	+	9.498E-19	1.8634E-17	0.240992	hyper	sig	chr7_101174676
chr6	83853425	83853425	+	9.499E-19	1.8634E-17	0.241096	hyper	sig	chr6_83853425
chr14	69574593	69574593	+	9.501E-19	1.8637E-17	0.210688	hyper	sig	chr14_69574593
chr1	1436414	1436414	+	9.504E-19	1.8644E-17	0.29474	hyper	sig	chr1_1436414
chr15	93089673	93089673	+	9.514E-19	1.8662E-17	0.219605	hyper	sig	chr15_93089673
chr5	51387659	51387659	+	9.515E-19	1.8665E-17	0.26354	hyper	sig	chr5_51387659
chr10	69569348	69569348	+	9.517E-19	1.8668E-17	0.408702	hyper	sig	chr10_69569348
chr4	57197318	57197318	+	9.522E-19	1.8677E-17	-0.20562	hypo	sig	chr4_57197318
chr3	22417026	22417026	+	9.522E-19	1.8677E-17	-0.28666	hypo	sig	chr3_22417026
chr6	84772892	84772892	+	9.523E-19	1.8678E-17	0.2944	hyper	sig	chr6_84772892
chr5	59893596	59893596	+	9.524E-19	1.868E-17	0.290198	hyper	sig	chr5_59893596
chr13	42575035	42575035	+	9.535E-19	1.8701E-17	0.227025	hyper	sig	chr13_42575035
chr6	1.6E+08	160258815	+	9.543E-19	1.8717E-17	0.213581	hyper	sig	chr6_160258815
chr8	71556402	71556402	+	9.562E-19	1.8753E-17	0.298077	hyper	sig	chr8_71556402
chr8	1.42E+08	141903264	+	9.57E-19	1.8767E-17	-0.29248	hypo	sig	chr8_141903264
chr1	10672864	10672864	+	9.576E-19	1.878E-17	0.223104	hyper	sig	chr1_10672864
chr16	84954335	84954335	+	9.577E-19	1.8781E-17	-0.20823	hypo	sig	chr16_84954335
chr19	7880047	7880047	+	9.579E-19	1.8783E-17	-0.28917	hypo	sig	chr19_7880047
chr4	21949418	21949418	+	9.579E-19	1.8783E-17	0.20319	hyper	sig	chr4_21949418
chr12	1.25E+08	124928672	+	9.58E-19	1.8784E-17	-0.2118	hypo	sig	chr12_124928672
chr16	1354863	1354863	+	9.582E-19	1.8788E-17	-0.24382	hypo	sig	chr16_1354863
chr7	57206119	57206119	+	9.582E-19	1.8789E-17	-0.31642	hypo	sig	chr7_57206119
chr16	1483762	1483762	+	9.583E-19	1.879E-17	-0.27737	hypo	sig	chr16_1483762
chr7	1225999	1225999	+	9.592E-19	1.8806E-17	0.256987	hyper	sig	chr7_1225999
chr7	1.55E+08	155470652	+	9.594E-19	1.8809E-17	0.349702	hyper	sig	chr7_155470652
chr10	93065890	93065890	+	9.606E-19	1.8834E-17	0.267737	hyper	sig	chr10_93065890
chr13	27918834	27918834	+	9.612E-19	1.8844E-17	0.24232	hyper	sig	chr13_27918834
chr1	3247831	3247831	+	9.615E-19	1.8849E-17	0.22544	hyper	sig	chr1_3247831
chr1	1.19E+08	118992021	+	9.617E-19	1.8853E-17	0.278743	hyper	sig	chr1_118992021
chr6	1.24E+08	123801515	+	9.621E-19	1.8861E-17	-0.33347	hypo	sig	chr6_123801515
chr6	1.68E+08	167678238	+	9.623E-19	1.8863E-17	0.321951	hyper	sig	chr6_167678238
chr9	35859142	35859142	+	9.624E-19	1.8864E-17	-0.21223	hypo	sig	chr9_35859142
chr1	1.14E+08	114154384	+	9.625E-19	1.8867E-17	0.229625	hyper	sig	chr1_114154384
chr7	1.38E+08	138441053	+	9.64E-19	1.8895E-17	-0.3216	hypo	sig	chr7_138441053
chr12	51216904	51216904	+	9.65E-19	1.8914E-17	0.283068	hyper	sig	chr12_51216904
chr19	7863180	7863180	+	9.653E-19	1.892E-17	0.339173	hyper	sig	chr19_7863180
chr1	10672905	10672905	+	9.654E-19	1.8921E-17	0.242489	hyper	sig	chr1_10672905
chr6	27260461	27260461	+	9.661E-19	1.8934E-17	0.245664	hyper	sig	chr6_27260461
chr13	1.12E+08	112132409	+	9.667E-19	1.8946E-17	-0.32022	hypo	sig	chr13_112132409
chr9	970299	970299	+	9.67E-19	1.8951E-17	0.313901	hyper	sig	chr9_970299
chr3	1.47E+08	147388850	+	9.678E-19	1.8967E-17	0.282313	hyper	sig	chr3_147388850
chr7	1.22E+08	122300304	+	9.685E-19	1.8978E-17	0.32607	hyper	sig	chr7_122300304
chr6	32852437	32852437	+	9.686E-19	1.8981E-17	-0.24249	hypo	sig	chr6_32852437
chr10	75238346	75238346	+	9.689E-19	1.8986E-17	-0.24285	hypo	sig	chr10_75238346
chr6	34036177	34036177	+	9.704E-19	1.9014E-17	-0.22659	hypo	sig	chr6_34036177
chr11	99021138	99021138	+	9.712E-19	1.9029E-17	0.200317	hyper	sig	chr11_99021138
chr6	1.59E+08	159129224	+	9.717E-19	1.904E-17	-0.28676	hypo	sig	chr6_159129224
chr5	33297924	33297924	+	9.719E-19	1.9042E-17	-0.24393	hypo	sig	chr5_33297924

chr11	72677143	72677143	+	9.72E-19	1.9043E-17	0.215828	hyper	sig	chr11_72677143
chr16	3187934	3187934	+	9.733E-19	1.9069E-17	0.258553	hyper	sig	chr16_3187934
chr2	1.19E+08	118842240	+	9.736E-19	1.9074E-17	0.291344	hyper	sig	chr2_118842240
chr9	1.36E+08	136202824	+	9.751E-19	1.9102E-17	0.27692	hyper	sig	chr9_136202824
chr1	3111755	3111755	+	9.755E-19	1.9109E-17	0.305803	hyper	sig	chr1_3111755
chr11	1.29E+08	128824251	+	9.756E-19	1.911E-17	0.331889	hyper	sig	chr11_128824251
chr17	82216945	82216945	+	9.755E-19	1.911E-17	-0.22417	hypo	sig	chr17_82216945
chr2	1.24E+08	124024617	+	9.765E-19	1.9128E-17	0.239468	hyper	sig	chr2_124024617
chr3	1.97E+08	196978885	+	9.766E-19	1.9128E-17	0.273202	hyper	sig	chr3_196978885
chr11	1.25E+08	124865232	+	9.767E-19	1.913E-17	0.274322	hyper	sig	chr11_124865232
chr5	1.73E+08	173245698	+	9.767E-19	1.913E-17	0.286603	hyper	sig	chr5_173245698
chr21	43826371	43826371	+	9.778E-19	1.9151E-17	0.250037	hyper	sig	chr21_43826371
chr7	1.3E+08	130491582	+	9.779E-19	1.9152E-17	0.242741	hyper	sig	chr7_130491582
chr10	1.24E+08	124447247	+	9.786E-19	1.9167E-17	0.277976	hyper	sig	chr10_124447247
chr6	1.37E+08	137494633	+	9.787E-19	1.9167E-17	0.304548	hyper	sig	chr6_137494633
chr7	27122730	27122730	+	9.787E-19	1.9167E-17	-0.29335	hypo	sig	chr7_27122730
chr8	23573332	23573332	+	9.79E-19	1.9172E-17	0.2464	hyper	sig	chr8_23573332
chr17	28233783	28233783	+	9.792E-19	1.9175E-17	-0.32159	hypo	sig	chr17_28233783
chr7	27122116	27122116	+	9.805E-19	1.9201E-17	-0.24135	hypo	sig	chr7_27122116
chr7	30912230	30912230	+	9.808E-19	1.9206E-17	0.243898	hyper	sig	chr7_30912230
chr3	1.47E+08	147388273	+	9.81E-19	1.921E-17	0.237165	hyper	sig	chr3_147388273
chr16	86516058	86516058	+	9.811E-19	1.9212E-17	0.32522	hyper	sig	chr16_86516058
chr2	1.28E+08	127631632	+	9.814E-19	1.9217E-17	0.268505	hyper	sig	chr2_127631632
chr20	25082230	25082230	+	9.819E-19	1.9225E-17	0.37172	hyper	sig	chr20_25082230
chr16	48499244	48499244	+	9.822E-19	1.923E-17	-0.28614	hypo	sig	chr16_48499244
chr13	1.12E+08	112057710	+	9.826E-19	1.9238E-17	0.298541	hyper	sig	chr13_112057710
chr10	1.33E+08	132975755	+	9.83E-19	1.9245E-17	0.307656	hyper	sig	chr10_132975755
chr10	99434339	99434339	+	9.841E-19	1.9267E-17	0.226914	hyper	sig	chr10_99434339
chr5	1.41E+08	141403131	+	9.846E-19	1.9276E-17	0.308856	hyper	sig	chr5_141403131
chr7	2682100	2682100	+	9.854E-19	1.9291E-17	-0.32298	hypo	sig	chr7_2682100
chr16	62036330	62036330	+	9.855E-19	1.9293E-17	0.267921	hyper	sig	chr16_62036330
chr16	1060906	1060906	+	9.856E-19	1.9294E-17	-0.30084	hypo	sig	chr16_1060906
chr5	1.55E+08	154850581	+	9.866E-19	1.9312E-17	0.315356	hyper	sig	chr5_154850581
chr7	1.56E+08	155997698	+	9.88E-19	1.9341E-17	0.246402	hyper	sig	chr7_155997698
chr13	1.13E+08	112913484	+	9.885E-19	1.935E-17	-0.24272	hypo	sig	chr13_112913484
chr6	36337017	36337017	+	9.887E-19	1.9353E-17	-0.30853	hypo	sig	chr6_36337017
chr9	1.37E+08	136658867	+	9.903E-19	1.9383E-17	-0.29945	hypo	sig	chr9_136658867
chr1	16226916	16226916	+	9.907E-19	1.9391E-17	0.298256	hyper	sig	chr1_16226916
chr20	21514324	21514324	+	9.915E-19	1.9406E-17	0.302683	hyper	sig	chr20_21514324
chr5	1.41E+08	141422898	+	9.919E-19	1.9413E-17	0.285179	hyper	sig	chr5_141422898
chr7	1.56E+08	155961972	+	9.919E-19	1.9413E-17	-0.28477	hypo	sig	chr7_155961972
chr1	18631828	18631828	+	9.921E-19	1.9417E-17	0.277691	hyper	sig	chr1_18631828
chr6	1.08E+08	108174733	+	9.927E-19	1.9428E-17	0.306899	hyper	sig	chr6_108174733
chr10	1.01E+08	101237625	+	9.928E-19	1.9429E-17	0.203129	hyper	sig	chr10_101237625
chr9	1.36E+08	136361292	+	9.928E-19	1.9429E-17	0.31233	hyper	sig	chr9_136361292
chr17	42783989	42783989	+	9.93E-19	1.9432E-17	0.266219	hyper	sig	chr17_42783989
chr17	81153582	81153582	+	9.933E-19	1.9437E-17	-0.23998	hypo	sig	chr17_81153582
chr3	1.47E+08	147424600	+	9.936E-19	1.9442E-17	0.267514	hyper	sig	chr3_147424600
chr7	1.55E+08	155374645	+	9.953E-19	1.9475E-17	0.252385	hyper	sig	chr7_155374645
chr1	1.19E+08	119008231	+	9.961E-19	1.949E-17	0.313997	hyper	sig	chr1_119008231
chr10	1.32E+08	132487399	+	9.962E-19	1.9493E-17	-0.29023	hypo	sig	chr10_132487399
chr12	1.32E+08	132405228	+	9.969E-19	1.9504E-17	0.28204	hyper	sig	chr12_132405228
chr16	88088043	88088043	+	9.969E-19	1.9504E-17	-0.24322	hypo	sig	chr16_88088043
chr16	1247457	1247457	+	9.98E-19	1.9525E-17	-0.29428	hypo	sig	chr16_1247457
chr4	1.9E+08	190020569	+	9.981E-19	1.9527E-17	0.240695	hyper	sig	chr4_190020569
chr1	16375971	16375971	+	9.982E-19	1.9529E-17	0.26889	hyper	sig	chr1_16375971

chr2	44166260	44166260	+	9.989E-19	1.9543E-17	0.258308	hyper	sig	chr2_44166260
chr17	2421887	2421887	+	9.99E-19	1.9544E-17	0.243779	hyper	sig	chr17_2421887
chr2	1.28E+08	127664951	+	9.992E-19	1.9546E-17	0.25901	hyper	sig	chr2_127664951
chr5	83471559	83471559	+	9.995E-19	1.9552E-17	0.25742	hyper	sig	chr5_83471559
chr4	92305825	92305825	+	9.999E-19	1.9559E-17	0.251445	hyper	sig	chr4_92305825
chr19	51395694	51395694	+	1.001E-18	1.9576E-17	-0.25208	hypo	sig	chr19_51395694
chr8	11061062	11061062	+	1.001E-18	1.9584E-17	-0.23218	hypo	sig	chr8_11061062
chr1	5667292	5667292	+	1.001E-18	1.9585E-17	-0.22418	hypo	sig	chr1_5667292
chr19	36331816	36331816	+	1.002E-18	1.9593E-17	0.217636	hyper	sig	chr19_36331816
chr8	64578559	64578559	+	1.002E-18	1.9599E-17	0.342128	hyper	sig	chr8_64578559
chr5	1.41E+08	141399667	+	1.002E-18	1.9601E-17	0.295601	hyper	sig	chr5_141399667
chr5	1.33E+08	132771734	+	1.002E-18	1.9605E-17	0.281289	hyper	sig	chr5_132771734
chr5	1868171	1868171	+	1.003E-18	1.9612E-17	0.289683	hyper	sig	chr5_1868171
chr7	1.54E+08	153886526	+	1.003E-18	1.9612E-17	0.397486	hyper	sig	chr7_153886526
chr14	1.01E+08	101458683	+	1.004E-18	1.9637E-17	0.363241	hyper	sig	chr14_101458683
chr4	1.39E+08	139279580	+	1.004E-18	1.9637E-17	0.236053	hyper	sig	chr4_139279580
chr2	73203243	73203243	+	1.005E-18	1.9645E-17	0.378451	hyper	sig	chr2_73203243
chr13	1.12E+08	112450596	+	1.005E-18	1.9649E-17	-0.28076	hypo	sig	chr13_112450596
chr1	1.48E+08	148246643	+	1.005E-18	1.965E-17	0.288262	hyper	sig	chr1_148246643
chr21	45383779	45383779	+	1.005E-18	1.9659E-17	-0.37109	hypo	sig	chr21_45383779
chr4	7299835	7299835	+	1.006E-18	1.9678E-17	-0.25541	hypo	sig	chr4_7299835
chr4	10461728	10461728	+	1.007E-18	1.9693E-17	0.272091	hyper	sig	chr4_10461728
chr5	1.59E+08	159100708	+	1.008E-18	1.9705E-17	0.238674	hyper	sig	chr5_159100708
chr17	75891263	75891263	+	1.008E-18	1.9716E-17	-0.26068	hypo	sig	chr17_75891263
chr6	1.5E+08	150072465	+	1.009E-18	1.9726E-17	-0.32908	hypo	sig	chr6_150072465
chr11	20604728	20604728	+	1.009E-18	1.9727E-17	0.285754	hyper	sig	chr11_20604728
chr19	55487442	55487442	+	1.009E-18	1.9727E-17	0.344335	hyper	sig	chr19_55487442
chr16	66923614	66923614	+	1.012E-18	1.9782E-17	0.257098	hyper	sig	chr16_66923614
chr11	20596664	20596664	+	1.012E-18	1.9794E-17	0.250691	hyper	sig	chr11_20596664
chr7	25949901	25949901	+	1.014E-18	1.9819E-17	-0.21205	hypo	sig	chr7_25949901
chr11	66424650	66424650	+	1.014E-18	1.9821E-17	-0.33114	hypo	sig	chr11_66424650
chr8	1.41E+08	141287472	+	1.014E-18	1.9826E-17	-0.25622	hypo	sig	chr8_141287472
chr5	1.41E+08	141096137	+	1.014E-18	1.9827E-17	0.263346	hyper	sig	chr5_141096137
chr1	2.02E+08	201646238	+	1.015E-18	1.9832E-17	-0.28744	hypo	sig	chr1_201646238
chr12	1.09E+08	108827456	+	1.016E-18	1.9862E-17	0.266402	hyper	sig	chr12_108827456
chr22	30542044	30542044	+	1.016E-18	1.9862E-17	0.304524	hyper	sig	chr22_30542044
chr10	1162137	1162137	+	1.016E-18	1.9866E-17	-0.25075	hypo	sig	chr10_1162137
chr1	17522283	17522283	+	1.017E-18	1.9877E-17	-0.24248	hypo	sig	chr1_17522283
chr14	44912036	44912036	+	1.018E-18	1.9892E-17	0.325345	hyper	sig	chr14_44912036
chr2	1.73E+08	173416305	+	1.018E-18	1.9902E-17	0.268577	hyper	sig	chr2_173416305
chr11	67409811	67409811	+	1.019E-18	1.9907E-17	-0.3029	hypo	sig	chr11_67409811
chr3	1.47E+08	147408108	+	1.019E-18	1.9913E-17	0.273855	hyper	sig	chr3_147408108
chr22	17563022	17563022	+	1.019E-18	1.9921E-17	-0.21088	hypo	sig	chr22_17563022
chr6	33976063	33976063	+	1.02E-18	1.9934E-17	0.269975	hyper	sig	chr6_33976063
chr19	58581397	58581397	+	1.021E-18	1.9945E-17	0.279639	hyper	sig	chr19_58581397
chr1	1.6E+08	160084558	+	1.021E-18	1.9958E-17	0.266582	hyper	sig	chr1_160084558
chr22	36324096	36324096	+	1.022E-18	1.9965E-17	0.354126	hyper	sig	chr22_36324096
chr16	72961305	72961305	+	1.022E-18	1.9969E-17	-0.30411	hypo	sig	chr16_72961305
chr10	1.32E+08	132232852	+	1.022E-18	1.9975E-17	-0.26578	hypo	sig	chr10_132232852
chr7	45920046	45920046	+	1.023E-18	1.9981E-17	0.213297	hyper	sig	chr7_45920046
chr4	84496572	84496572	+	1.023E-18	1.9981E-17	0.291554	hyper	sig	chr4_84496572
chr3	62371501	62371501	+	1.023E-18	1.999E-17	0.350075	hyper	sig	chr3_62371501
chr7	1.57E+08	157078512	+	1.023E-18	1.999E-17	0.278798	hyper	sig	chr7_157078512
chr1	2E+08	200035077	+	1.024E-18	1.9997E-17	0.277405	hyper	sig	chr1_200035077
chr10	1.02E+08	102436486	+	1.024E-18	2.0005E-17	-0.24157	hypo	sig	chr10_102436486
chr9	1.27E+08	127123482	+	1.024E-18	2.0009E-17	0.25928	hyper	sig	chr9_127123482

chr1	2.08E+08	207823681	+	1.024E-18	2.0011E-17	0.2766	hyper	sig	chr1_207823681
chr1	24931532	24931532	+	1.025E-18	2.0024E-17	0.307736	hyper	sig	chr1_24931532
chr17	45430362	45430362	+	1.025E-18	2.0028E-17	0.318762	hyper	sig	chr17_45430362
chr18	32139983	32139983	+	1.027E-18	2.0056E-17	-0.27303	hypo	sig	chr18_32139983
chr3	50365814	50365814	+	1.027E-18	2.0057E-17	-0.25345	hypo	sig	chr3_50365814
chr15	25193713	25193713	+	1.029E-18	2.01E-17	-0.27831	hypo	sig	chr15_25193713
chr15	45379200	45379200	+	1.029E-18	2.0104E-17	0.203115	hyper	sig	chr15_45379200
chr11	1.23E+08	122977440	+	1.03E-18	2.012E-17	0.28839	hyper	sig	chr11_122977440
chr6	7051264	7051264	+	1.032E-18	2.0164E-17	-0.2659	hypo	sig	chr6_7051264
chr7	1.55E+08	155374655	+	1.032E-18	2.0164E-17	0.242532	hyper	sig	chr7_155374655
chr5	1.42E+08	141512826	+	1.032E-18	2.0165E-17	0.340885	hyper	sig	chr5_141512826
chr6	83853151	83853151	+	1.033E-18	2.0168E-17	0.233036	hyper	sig	chr6_83853151
chr4	7655665	7655665	+	1.034E-18	2.0202E-17	-0.27056	hypo	sig	chr4_7655665
chr11	32428596	32428596	+	1.035E-18	2.0206E-17	0.304133	hyper	sig	chr11_32428596
chr15	26771656	26771656	+	1.035E-18	2.0217E-17	0.234183	hyper	sig	chr15_26771656
chr2	74526185	74526185	+	1.036E-18	2.0226E-17	-0.23569	hypo	sig	chr2_74526185
chr19	6534847	6534847	+	1.037E-18	2.024E-17	0.313507	hyper	sig	chr19_6534847
chr8	1.43E+08	142510424	+	1.038E-18	2.0262E-17	0.284256	hyper	sig	chr8_142510424
chr2	44944651	44944651	+	1.038E-18	2.0272E-17	0.363049	hyper	sig	chr2_44944651
chr8	1.44E+08	143961052	+	1.038E-18	2.0275E-17	0.253874	hyper	sig	chr8_143961052
chr3	1.47E+08	147411002	+	1.039E-18	2.0288E-17	0.263348	hyper	sig	chr3_147411002
chr4	1.09E+08	109302552	+	1.039E-18	2.0294E-17	0.243849	hyper	sig	chr4_109302552
chr20	45304294	45304294	+	1.039E-18	2.0295E-17	0.32259	hyper	sig	chr20_45304294
chr13	1.13E+08	112995193	+	1.04E-18	2.0299E-17	-0.29084	hypo	sig	chr13_112995193
chr17	38421422	38421422	+	1.04E-18	2.0311E-17	0.283502	hyper	sig	chr17_38421422
chr11	31818218	31818218	+	1.04E-18	2.0311E-17	0.347221	hyper	sig	chr11_31818218
chr11	587845	587845	+	1.044E-18	2.0378E-17	-0.22007	hypo	sig	chr11_587845
chr7	1.56E+08	155804377	+	1.044E-18	2.0379E-17	0.234342	hyper	sig	chr7_155804377
chr12	1.14E+08	114396951	+	1.046E-18	2.0415E-17	0.29031	hyper	sig	chr12_114396951
chr19	1130859	1130859	+	1.047E-18	2.043E-17	-0.23847	hypo	sig	chr19_1130859
chr12	1.3E+08	130164027	+	1.048E-18	2.0461E-17	0.302972	hyper	sig	chr12_130164027
chr7	6536735	6536735	+	1.048E-18	2.0461E-17	0.273369	hyper	sig	chr7_6536735
chr9	1.34E+08	133565671	+	1.05E-18	2.0486E-17	0.298768	hyper	sig	chr9_133565671
chr7	1513535	1513535	+	1.05E-18	2.0488E-17	-0.28915	hypo	sig	chr7_1513535
chr21	36691957	36691957	+	1.05E-18	2.0496E-17	0.233492	hyper	sig	chr21_36691957
chr14	1.01E+08	100884476	+	1.05E-18	2.0497E-17	-0.30338	hypo	sig	chr14_100884476
chr1	3650668	3650668	+	1.051E-18	2.0509E-17	0.25154	hyper	sig	chr1_3650668
chr4	1310269	1310269	+	1.051E-18	2.051E-17	0.27204	hyper	sig	chr4_1310269
chr7	909523	909523	+	1.052E-18	2.0531E-17	0.316356	hyper	sig	chr7_909523
chr8	97275863	97275863	+	1.053E-18	2.0554E-17	-0.2334	hypo	sig	chr8_97275863
chr9	62831005	62831005	+	1.054E-18	2.0563E-17	0.255519	hyper	sig	chr9_62831005
chr2	1.35E+08	134717856	+	1.054E-18	2.0568E-17	0.320934	hyper	sig	chr2_134717856
chr1	3275074	3275074	+	1.054E-18	2.0569E-17	-0.21429	hypo	sig	chr1_3275074
chr16	85284814	85284814	+	1.054E-18	2.0573E-17	-0.30446	hypo	sig	chr16_85284814
chr4	305174	305174	+	1.055E-18	2.0577E-17	0.25772	hyper	sig	chr4_305174
chr20	22569081	22569081	+	1.056E-18	2.0598E-17	0.341761	hyper	sig	chr20_22569081
chr7	1263827	1263827	+	1.056E-18	2.0609E-17	-0.36456	hypo	sig	chr7_1263827
chr1	1.56E+08	156241646	+	1.057E-18	2.0618E-17	-0.2697	hypo	sig	chr1_156241646
chr6	28988573	28988573	+	1.057E-18	2.0619E-17	0.219891	hyper	sig	chr6_28988573
chr8	48394590	48394590	+	1.057E-18	2.0619E-17	-0.26584	hypo	sig	chr8_48394590
chr1	2.02E+08	202010672	+	1.057E-18	2.0621E-17	-0.24703	hypo	sig	chr1_202010672
chr7	590931	590931	+	1.058E-18	2.0632E-17	0.232738	hyper	sig	chr7_590931
chr10	43340612	43340612	+	1.058E-18	2.0646E-17	-0.30833	hypo	sig	chr10_43340612
chr13	21668952	21668952	+	1.058E-18	2.0647E-17	0.278706	hyper	sig	chr13_21668952
chr19	28794100	28794100	+	1.06E-18	2.0671E-17	0.320194	hyper	sig	chr19_28794100
chr1	1.19E+08	119008314	+	1.061E-18	2.0698E-17	0.332417	hyper	sig	chr1_119008314

chr1	1.19E+08	119000508	+	1.061E-18	2.0702E-17	0.28566	hyper	sig	chr1_119000508
chr11	65833340	65833340	+	1.061E-18	2.0706E-17	0.301425	hyper	sig	chr11_65833340
chr2	2.13E+08	212536841	+	1.063E-18	2.0741E-17	0.288442	hyper	sig	chr2_212536841
chr19	58368504	58368504	+	1.064E-18	2.0749E-17	0.297016	hyper	sig	chr19_58368504
chr21	42315269	42315269	+	1.064E-18	2.0756E-17	-0.31493	hypo	sig	chr21_42315269
chr6	10382864	10382864	+	1.065E-18	2.0764E-17	0.411364	hyper	sig	chr6_10382864
chr21	44708993	44708993	+	1.065E-18	2.077E-17	0.354821	hyper	sig	chr21_44708993
chr17	8408488	8408488	+	1.066E-18	2.0787E-17	-0.29044	hypo	sig	chr17_8408488
chr6	1.37E+08	137495871	+	1.066E-18	2.0789E-17	0.255609	hyper	sig	chr6_137495871
chr7	31060235	31060235	+	1.066E-18	2.0791E-17	-0.25309	hypo	sig	chr7_31060235
chr7	43112678	43112678	+	1.066E-18	2.0792E-17	0.256014	hyper	sig	chr7_43112678
chr2	1.18E+08	117836751	+	1.067E-18	2.0817E-17	0.355932	hyper	sig	chr2_117836751
chr5	1.35E+08	135327241	+	1.068E-18	2.0821E-17	0.224059	hyper	sig	chr5_135327241
chr17	10198279	10198279	+	1.069E-18	2.0838E-17	0.362168	hyper	sig	chr17_10198279
chr7	1.01E+08	100721044	+	1.069E-18	2.0839E-17	0.231919	hyper	sig	chr7_100721044
chr9	1.37E+08	137139683	+	1.069E-18	2.0852E-17	0.309264	hyper	sig	chr9_137139683
chr19	18008201	18008201	+	1.07E-18	2.0869E-17	0.232529	hyper	sig	chr19_18008201
chr19	1908124	1908124	+	1.07E-18	2.0873E-17	-0.27978	hypo	sig	chr19_1908124
chr20	64064188	64064188	+	1.072E-18	2.0897E-17	0.275129	hyper	sig	chr20_64064188
chr2	2.06E+08	205679765	+	1.073E-18	2.0911E-17	-0.22765	hypo	sig	chr2_205679765
chr1	1.83E+08	183417139	+	1.074E-18	2.0949E-17	0.328666	hyper	sig	chr1_183417139
chr13	57632930	57632930	+	1.075E-18	2.0954E-17	0.373891	hyper	sig	chr13_57632930
chr12	6635947	6635947	+	1.075E-18	2.0954E-17	-0.26437	hypo	sig	chr12_6635947
chr7	4739250	4739250	+	1.075E-18	2.0967E-17	0.275417	hyper	sig	chr7_4739250
chr20	46252810	46252810	+	1.076E-18	2.0967E-17	-0.3458	hypo	sig	chr20_46252810
chr18	14748221	14748221	+	1.076E-18	2.0984E-17	0.265262	hyper	sig	chr18_14748221
chr1	2496932	2496932	+	1.077E-18	2.0991E-17	-0.29609	hypo	sig	chr1_2496932
chr11	73310056	73310056	+	1.077E-18	2.0996E-17	0.2799	hyper	sig	chr11_73310056
chr2	2.13E+08	212536596	+	1.08E-18	2.1061E-17	0.311643	hyper	sig	chr2_212536596
chr5	1.41E+08	141376235	+	1.081E-18	2.1071E-17	0.344129	hyper	sig	chr5_141376235
chr10	7531708	7531708	+	1.082E-18	2.108E-17	-0.30592	hypo	sig	chr10_7531708
chr8	52940065	52940065	+	1.082E-18	2.1087E-17	0.31895	hyper	sig	chr8_52940065
chr16	31216799	31216799	+	1.083E-18	2.1101E-17	0.238826	hyper	sig	chr16_31216799
chr3	3798237	3798237	+	1.083E-18	2.1114E-17	-0.32747	hypo	sig	chr3_3798237
chr7	1.37E+08	136868516	+	1.084E-18	2.112E-17	0.224602	hyper	sig	chr7_136868516
chr1	63320367	63320367	+	1.084E-18	2.113E-17	0.239635	hyper	sig	chr1_63320367
chr11	45209624	45209624	+	1.084E-18	2.1132E-17	0.230406	hyper	sig	chr11_45209624
chr3	13637624	13637624	+	1.086E-18	2.1158E-17	-0.26064	hypo	sig	chr3_13637624
chr11	66543877	66543877	+	1.086E-18	2.1164E-17	0.268687	hyper	sig	chr11_66543877
chr8	1552284	1552284	+	1.087E-18	2.1186E-17	0.354181	hyper	sig	chr8_1552284
chr3	1.28E+08	128279165	+	1.088E-18	2.1195E-17	0.356166	hyper	sig	chr3_128279165
chr3	1.38E+08	137760801	+	1.088E-18	2.1195E-17	0.287475	hyper	sig	chr3_137760801
chr19	55406842	55406842	+	1.088E-18	2.1202E-17	-0.2438	hypo	sig	chr19_55406842
chr1	1.44E+08	143651547	+	1.089E-18	2.1215E-17	0.336519	hyper	sig	chr1_143651547
chr17	17810568	17810568	+	1.089E-18	2.1225E-17	0.307685	hyper	sig	chr17_17810568
chr5	2008102	2008102	+	1.09E-18	2.1245E-17	0.280101	hyper	sig	chr5_2008102
chr11	1.25E+08	124752477	+	1.091E-18	2.1251E-17	0.273009	hyper	sig	chr11_124752477
chr16	1088368	1088368	+	1.091E-18	2.1255E-17	-0.29226	hypo	sig	chr16_1088368
chr12	29782983	29782983	+	1.091E-18	2.126E-17	0.265576	hyper	sig	chr12_29782983
chr4	1.54E+08	154333410	+	1.092E-18	2.1277E-17	0.237549	hyper	sig	chr4_154333410
chr17	82228346	82228346	+	1.092E-18	2.1278E-17	-0.29899	hypo	sig	chr17_82228346
chr1	1.48E+08	148309545	+	1.093E-18	2.1295E-17	0.272626	hyper	sig	chr1_148309545
chr3	10993250	10993250	+	1.094E-18	2.131E-17	0.283234	hyper	sig	chr3_10993250
chr10	86263404	86263404	+	1.094E-18	2.1317E-17	0.233891	hyper	sig	chr10_86263404
chr22	46685904	46685904	+	1.094E-18	2.1318E-17	-0.26919	hypo	sig	chr22_46685904
chr2	73983786	73983786	+	1.095E-18	2.1339E-17	-0.22977	hypo	sig	chr2_73983786

chr19	1775272	1775272	+	1.096E-18	2.1341E-17	0.29264	hyper	sig	chr19_1775272
chr3	1.24E+08	123699953	+	1.096E-18	2.1342E-17	0.284495	hyper	sig	chr3_123699953
chr5	88660041	88660041	+	1.096E-18	2.1343E-17	0.30786	hyper	sig	chr5_88660041
chr7	98870481	98870481	+	1.096E-18	2.1354E-17	0.234772	hyper	sig	chr7_98870481
chr19	48297179	48297179	+	1.097E-18	2.1358E-17	-0.27162	hypo	sig	chr19_48297179
chr16	51113744	51113744	+	1.097E-18	2.1362E-17	0.235724	hyper	sig	chr16_51113744
chr2	1.3E+08	130075065	+	1.098E-18	2.1393E-17	-0.26911	hypo	sig	chr2_130075065
chr17	83076995	83076995	+	1.099E-18	2.1406E-17	-0.28622	hypo	sig	chr17_83076995
chr17	851089	851089	+	1.099E-18	2.1408E-17	0.266783	hyper	sig	chr17_851089
chr1	3480567	3480567	+	1.1E-18	2.1428E-17	-0.27709	hypo	sig	chr1_3480567
chr11	1.34E+08	133950952	+	1.1E-18	2.1428E-17	0.307926	hyper	sig	chr11_133950952
chr3	1.84E+08	184492309	+	1.1E-18	2.1428E-17	0.344465	hyper	sig	chr3_184492309
chr20	53583190	53583190	+	1.101E-18	2.144E-17	-0.20636	hypo	sig	chr20_53583190
chr13	27795437	27795437	+	1.102E-18	2.1461E-17	0.297407	hyper	sig	chr13_27795437
chr7	1.58E+08	157758544	+	1.102E-18	2.1463E-17	-0.34522	hypo	sig	chr7_157758544
chr16	86497197	86497197	+	1.102E-18	2.1464E-17	0.311017	hyper	sig	chr16_86497197
chr3	1.47E+08	147380724	+	1.104E-18	2.1489E-17	0.244157	hyper	sig	chr3_147380724
chr2	2.22E+08	222298294	+	1.104E-18	2.1498E-17	0.243949	hyper	sig	chr2_222298294
chr11	1871019	1871019	+	1.105E-18	2.1505E-17	0.268349	hyper	sig	chr11_1871019
chr19	11359568	11359568	+	1.105E-18	2.1505E-17	-0.31917	hypo	sig	chr19_11359568
chr12	1.24E+08	124380541	+	1.105E-18	2.1509E-17	0.327873	hyper	sig	chr12_124380541
chr14	77026394	77026394	+	1.105E-18	2.1509E-17	0.308445	hyper	sig	chr14_77026394
chr17	61398119	61398119	+	1.106E-18	2.1535E-17	0.256451	hyper	sig	chr17_61398119
chr3	42936568	42936568	+	1.108E-18	2.1573E-17	0.286988	hyper	sig	chr3_42936568
chr1	2855711	2855711	+	1.109E-18	2.1592E-17	0.259115	hyper	sig	chr1_2855711
chr8	24915369	24915369	+	1.111E-18	2.162E-17	0.262809	hyper	sig	chr8_24915369
chr14	85530548	85530548	+	1.111E-18	2.1626E-17	0.281289	hyper	sig	chr14_85530548
chr9	1.37E+08	137030887	+	1.112E-18	2.1635E-17	-0.32741	hypo	sig	chr9_137030887
chr6	28633640	28633640	+	1.113E-18	2.1668E-17	0.294869	hyper	sig	chr6_28633640
chr22	25286854	25286854	+	1.114E-18	2.1673E-17	-0.29141	hypo	sig	chr22_25286854
chr1	26360732	26360732	+	1.114E-18	2.1687E-17	0.265713	hyper	sig	chr1_26360732
chr13	1.1E+08	110309475	+	1.114E-18	2.1689E-17	0.315889	hyper	sig	chr13_110309475
chr14	1.03E+08	103187264	+	1.115E-18	2.1708E-17	-0.27896	hypo	sig	chr14_103187264
chr2	493506	493506	+	1.116E-18	2.1715E-17	-0.29515	hypo	sig	chr2_493506
chr5	2747808	2747808	+	1.116E-18	2.1716E-17	0.279387	hyper	sig	chr5_2747808
chr16	29181974	29181974	+	1.117E-18	2.1741E-17	-0.25949	hypo	sig	chr16_29181974
chr8	39314540	39314540	+	1.118E-18	2.1748E-17	0.267656	hyper	sig	chr8_39314540
chr11	2869488	2869488	+	1.118E-18	2.175E-17	0.268116	hyper	sig	chr11_2869488
chr10	1.33E+08	132785005	+	1.118E-18	2.1759E-17	0.348798	hyper	sig	chr10_132785005
chr7	3880440	3880440	+	1.118E-18	2.1761E-17	-0.25494	hypo	sig	chr7_3880440
chr10	1.25E+08	125138431	+	1.12E-18	2.1783E-17	-0.23372	hypo	sig	chr10_125138431
chr12	1.31E+08	131028839	+	1.12E-18	2.1783E-17	-0.28231	hypo	sig	chr12_131028839
chr8	64379720	64379720	+	1.122E-18	2.1825E-17	0.282473	hyper	sig	chr8_64379720
chr2	1.05E+08	104844939	+	1.122E-18	2.1825E-17	0.265374	hyper	sig	chr2_104844939
chr1	1.47E+08	147073292	+	1.124E-18	2.1862E-17	0.241959	hyper	sig	chr1_147073292
chr15	90084219	90084219	+	1.124E-18	2.1862E-17	0.245154	hyper	sig	chr15_90084219
chr3	1.12E+08	111595339	+	1.124E-18	2.1871E-17	-0.25052	hypo	sig	chr3_111595339
chr2	1.8E+08	179863671	+	1.125E-18	2.1881E-17	-0.2108	hypo	sig	chr2_179863671
chr1	32704249	32704249	+	1.125E-18	2.1884E-17	0.266591	hyper	sig	chr1_32704249
chr8	92095182	92095182	+	1.127E-18	2.192E-17	0.213317	hyper	sig	chr8_92095182
chr5	958758	958758	+	1.128E-18	2.1938E-17	-0.29973	hypo	sig	chr5_958758
chr10	1.01E+08	101226182	+	1.128E-18	2.1943E-17	0.279006	hyper	sig	chr10_101226182
chr7	1.02E+08	101629235	+	1.129E-18	2.1961E-17	-0.25382	hypo	sig	chr7_101629235
chr6	1.58E+08	158043752	+	1.13E-18	2.1985E-17	0.218062	hyper	sig	chr6_158043752
chr1	16711869	16711869	+	1.131E-18	2.199E-17	-0.23636	hypo	sig	chr1_16711869
chr1	90717260	90717260	+	1.132E-18	2.2013E-17	0.255758	hyper	sig	chr1_90717260

chr9	1.31E+08	131274883	+	1.133E-18	2.2038E-17	-0.28698	hypo	sig	chr9_131274883
chr10	1.3E+08	129960464	+	1.135E-18	2.2068E-17	0.304375	hyper	sig	chr10_129960464
chr15	34495863	34495863	+	1.135E-18	2.2075E-17	0.302866	hyper	sig	chr15_34495863
chr12	42594004	42594004	+	1.137E-18	2.2115E-17	-0.28876	hypo	sig	chr12_42594004
chr20	21511082	21511082	+	1.138E-18	2.2123E-17	0.313398	hyper	sig	chr20_21511082
chr21	36707310	36707310	+	1.138E-18	2.2128E-17	0.307999	hyper	sig	chr21_36707310
chr1	9127725	9127725	+	1.138E-18	2.2134E-17	-0.30406	hypo	sig	chr1_9127725
chr16	23556981	23556981	+	1.139E-18	2.215E-17	-0.26998	hypo	sig	chr16_23556981
chr17	40191349	40191349	+	1.139E-18	2.2151E-17	0.244774	hyper	sig	chr17_40191349
chr16	31224249	31224249	+	1.14E-18	2.2169E-17	0.300863	hyper	sig	chr16_31224249
chr14	51752187	51752187	+	1.14E-18	2.2169E-17	-0.36199	hypo	sig	chr14_51752187
chr17	35745155	35745155	+	1.14E-18	2.217E-17	-0.38044	hypo	sig	chr17_35745155
chr16	49277550	49277550	+	1.141E-18	2.2178E-17	0.284318	hyper	sig	chr16_49277550
chr8	52940156	52940156	+	1.141E-18	2.2191E-17	0.348099	hyper	sig	chr8_52940156
chr20	64072265	64072265	+	1.142E-18	2.2196E-17	-0.24688	hypo	sig	chr20_64072265
chr19	50943710	50943710	+	1.142E-18	2.2196E-17	-0.29086	hypo	sig	chr19_50943710
chr3	48426638	48426638	+	1.142E-18	2.2196E-17	0.356928	hyper	sig	chr3_48426638
chr13	50127844	50127844	+	1.142E-18	2.2205E-17	0.31851	hyper	sig	chr13_50127844
chr1	78491549	78491549	+	1.143E-18	2.221E-17	0.226396	hyper	sig	chr1_78491549
chr12	1919109	1919109	+	1.144E-18	2.2234E-17	-0.2883	hypo	sig	chr12_1919109
chr21	33025476	33025476	+	1.144E-18	2.2238E-17	0.28353	hyper	sig	chr21_33025476
chr1	8211937	8211937	+	1.144E-18	2.2243E-17	-0.28167	hypo	sig	chr1_8211937
chr4	41873526	41873526	+	1.145E-18	2.2264E-17	0.461538	hyper	sig	chr4_41873526
chr10	1.17E+08	117143549	+	1.146E-18	2.2272E-17	-0.31591	hypo	sig	chr10_117143549
chr5	1.73E+08	173243996	+	1.147E-18	2.23E-17	0.353217	hyper	sig	chr5_173243996
chr2	10054629	10054629	+	1.148E-18	2.2306E-17	0.208174	hyper	sig	chr2_10054629
chr19	56765318	56765318	+	1.149E-18	2.2324E-17	0.299028	hyper	sig	chr19_56765318
chr2	2.4E+08	240304662	+	1.149E-18	2.2333E-17	-0.30646	hypo	sig	chr2_240304662
chr2	1.19E+08	118849864	+	1.15E-18	2.2352E-17	0.242379	hyper	sig	chr2_118849864
chr14	60637821	60637821	+	1.151E-18	2.2359E-17	0.263592	hyper	sig	chr14_60637821
chr19	3178744	3178744	+	1.151E-18	2.236E-17	-0.31172	hypo	sig	chr19_3178744
chr2	1.21E+08	120834353	+	1.151E-18	2.2365E-17	-0.28883	hypo	sig	chr2_120834353
chr11	31806372	31806372	+	1.152E-18	2.2384E-17	0.302302	hyper	sig	chr11_31806372
chr8	49910960	49910960	+	1.152E-18	2.2385E-17	0.233761	hyper	sig	chr8_49910960
chr17	52159087	52159087	+	1.153E-18	2.2399E-17	0.283214	hyper	sig	chr17_52159087
chr8	1.44E+08	144336115	+	1.155E-18	2.2436E-17	0.307138	hyper	sig	chr8_144336115
chr11	1.34E+08	133955767	+	1.156E-18	2.2449E-17	0.34141	hyper	sig	chr11_133955767
chr1	35719865	35719865	+	1.156E-18	2.2458E-17	-0.30887	hypo	sig	chr1_35719865
chr5	1003835	1003835	+	1.156E-18	2.2461E-17	-0.33469	hypo	sig	chr5_1003835
chr9	1.37E+08	137479746	+	1.157E-18	2.2469E-17	-0.35048	hypo	sig	chr9_137479746
chr5	1.41E+08	141332974	+	1.157E-18	2.2481E-17	0.291064	hyper	sig	chr5_141332974
chr7	27249509	27249509	+	1.157E-18	2.2483E-17	0.273754	hyper	sig	chr7_27249509
chr7	1.55E+08	155462404	+	1.158E-18	2.2485E-17	0.344444	hyper	sig	chr7_155462404
chr1	1.1E+08	110151320	+	1.158E-18	2.2497E-17	0.247368	hyper	sig	chr1_110151320
chr16	2140355	2140355	+	1.158E-18	2.2502E-17	-0.32251	hypo	sig	chr16_2140355
chr2	42104782	42104782	+	1.159E-18	2.2517E-17	-0.27213	hypo	sig	chr2_42104782
chr12	3593187	3593187	+	1.159E-18	2.2519E-17	-0.32007	hypo	sig	chr12_3593187
chr11	1.23E+08	122981753	+	1.16E-18	2.2523E-17	0.276465	hyper	sig	chr11_122981753
chr7	30912227	30912227	+	1.162E-18	2.256E-17	0.250231	hyper	sig	chr7_30912227
chr6	1.66E+08	166168731	+	1.162E-18	2.2563E-17	0.221234	hyper	sig	chr6_166168731
chr2	40452432	40452432	+	1.162E-18	2.257E-17	0.246803	hyper	sig	chr2_40452432
chr12	1.17E+08	117151205	+	1.163E-18	2.2579E-17	0.346869	hyper	sig	chr12_117151205
chr11	20160709	20160709	+	1.163E-18	2.2583E-17	0.291741	hyper	sig	chr11_20160709
chr17	81342000	81342000	+	1.163E-18	2.2583E-17	0.283996	hyper	sig	chr17_81342000
chr20	10218875	10218875	+	1.163E-18	2.2591E-17	0.219262	hyper	sig	chr20_10218875
chr11	1.33E+08	132943897	+	1.165E-18	2.2619E-17	0.235912	hyper	sig	chr11_132943897

chr17	48571171	48571171	+	1.165E-18	2.2629E-17	0.272935	hyper	sig	chr17_48571171
chr10	1.17E+08	117132995	+	1.166E-18	2.2639E-17	0.231162	hyper	sig	chr10_117132995
chr6	1.66E+08	166009240	+	1.167E-18	2.2649E-17	0.241837	hyper	sig	chr6_166009240
chr19	40568156	40568156	+	1.167E-18	2.2653E-17	0.299189	hyper	sig	chr19_40568156
chr17	80178594	80178594	+	1.167E-18	2.2654E-17	-0.34079	hypo	sig	chr17_80178594
chr1	18631640	18631640	+	1.167E-18	2.2657E-17	0.229125	hyper	sig	chr1_18631640
chr11	2869414	2869414	+	1.167E-18	2.2661E-17	0.256515	hyper	sig	chr11_2869414
chr6	1.68E+08	168373085	+	1.169E-18	2.2694E-17	-0.28944	hypo	sig	chr6_168373085
chr8	2102073	2102073	+	1.17E-18	2.2716E-17	-0.29503	hypo	sig	chr8_2102073
chr6	30007579	30007579	+	1.17E-18	2.2717E-17	0.220707	hyper	sig	chr6_30007579
chr19	34578708	34578708	+	1.171E-18	2.2725E-17	-0.30017	hypo	sig	chr19_34578708
chr16	88235214	88235214	+	1.171E-18	2.2726E-17	-0.26681	hypo	sig	chr16_88235214
chr1	1.47E+08	147072621	+	1.171E-18	2.2736E-17	0.248303	hyper	sig	chr1_147072621
chr13	27975823	27975823	+	1.171E-18	2.2737E-17	0.286675	hyper	sig	chr13_27975823
chr12	1.3E+08	130477214	+	1.172E-18	2.2738E-17	0.201581	hyper	sig	chr12_130477214
chr17	18634749	18634749	+	1.172E-18	2.2744E-17	0.24179	hyper	sig	chr17_18634749
chr16	69917917	69917917	+	1.176E-18	2.2826E-17	0.233147	hyper	sig	chr16_69917917
chr6	27515171	27515171	+	1.177E-18	2.2846E-17	0.246465	hyper	sig	chr6_27515171
chr16	87860922	87860922	+	1.178E-18	2.2861E-17	0.232974	hyper	sig	chr16_87860922
chr3	1.47E+08	147409875	+	1.179E-18	2.2875E-17	0.273545	hyper	sig	chr3_147409875
chr15	70584949	70584949	+	1.179E-18	2.2888E-17	-0.27193	hypo	sig	chr15_70584949
chr2	442501	442501	+	1.181E-18	2.2922E-17	-0.37032	hypo	sig	chr2_442501
chr8	1.39E+08	138871142	+	1.182E-18	2.2926E-17	-0.24301	hypo	sig	chr8_138871142
chr7	1.39E+08	138664057	+	1.182E-18	2.2931E-17	0.283526	hyper	sig	chr7_138664057
chr13	1.14E+08	114010943	+	1.182E-18	2.2937E-17	-0.28552	hypo	sig	chr13_114010943
chr1	3230341	3230341	+	1.182E-18	2.294E-17	-0.26474	hypo	sig	chr1_3230341
chr21	33024198	33024198	+	1.182E-18	2.2941E-17	0.302924	hyper	sig	chr21_33024198
chr13	1.14E+08	113999447	+	1.183E-18	2.2945E-17	-0.31729	hypo	sig	chr13_113999447
chr18	21243337	21243337	+	1.183E-18	2.2947E-17	0.284947	hyper	sig	chr18_21243337
chr1	44409005	44409005	+	1.183E-18	2.2949E-17	0.244354	hyper	sig	chr1_44409005
chr2	55924044	55924044	+	1.184E-18	2.2963E-17	0.208318	hyper	sig	chr2_55924044
chr11	2168881	2168881	+	1.184E-18	2.2974E-17	-0.27389	hypo	sig	chr11_2168881
chr13	27926677	27926677	+	1.184E-18	2.2975E-17	0.423418	hyper	sig	chr13_27926677
chr10	1.01E+08	101228224	+	1.187E-18	2.3018E-17	0.247109	hyper	sig	chr10_101228224
chr6	28091115	28091115	+	1.187E-18	2.3022E-17	0.261039	hyper	sig	chr6_28091115
chr17	64778826	64778826	+	1.187E-18	2.3029E-17	0.283432	hyper	sig	chr17_64778826
chr17	74612603	74612603	+	1.188E-18	2.3044E-17	-0.36155	hypo	sig	chr17_74612603
chr17	79752438	79752438	+	1.191E-18	2.3097E-17	-0.29954	hypo	sig	chr17_79752438
chr9	1.33E+08	133346666	+	1.192E-18	2.3121E-17	0.336999	hyper	sig	chr9_133346666
chr11	20671141	20671141	+	1.192E-18	2.3123E-17	0.250475	hyper	sig	chr11_20671141
chr2	3470356	3470356	+	1.193E-18	2.3147E-17	0.326618	hyper	sig	chr2_3470356
chr18	79785072	79785072	+	1.194E-18	2.3151E-17	-0.30935	hypo	sig	chr18_79785072
chr1	1353526	1353526	+	1.194E-18	2.3159E-17	-0.24372	hypo	sig	chr1_1353526
chr22	19149331	19149331	+	1.194E-18	2.3161E-17	0.258151	hyper	sig	chr22_19149331
chr1	1.13E+08	112850535	+	1.197E-18	2.321E-17	-0.29498	hypo	sig	chr1_112850535
chr8	1.45E+08	144506020	+	1.198E-18	2.3232E-17	0.259921	hyper	sig	chr8_144506020
chr15	47184246	47184246	+	1.198E-18	2.3236E-17	0.203729	hyper	sig	chr15_47184246
chr11	64119067	64119067	+	1.199E-18	2.3244E-17	-0.30248	hypo	sig	chr11_64119067
chr19	48728980	48728980	+	1.2E-18	2.3262E-17	0.356739	hyper	sig	chr19_48728980
chr5	1.73E+08	173234070	+	1.2E-18	2.3263E-17	0.338806	hyper	sig	chr5_173234070
chr5	1.35E+08	135030511	+	1.2E-18	2.327E-17	0.309001	hyper	sig	chr5_135030511
chr5	12790980	12790980	+	1.201E-18	2.3284E-17	-0.28872	hypo	sig	chr5_12790980
chr6	20032388	20032388	+	1.202E-18	2.3295E-17	0.325269	hyper	sig	chr6_20032388
chr5	1194024	1194024	+	1.202E-18	2.3302E-17	-0.29842	hypo	sig	chr5_1194024
chr1	2073765	2073765	+	1.203E-18	2.3321E-17	0.312557	hyper	sig	chr1_2073765
chr1	1.21E+08	121118403	+	1.203E-18	2.3323E-17	0.236162	hyper	sig	chr1_121118403

chr2	43296874	43296874	+	1.203E-18	2.3327E-17	0.218768	hyper	sig	chr2_43296874
chr6	1.37E+08	137495366	+	1.203E-18	2.3327E-17	0.231068	hyper	sig	chr6_137495366
chr16	66948889	66948889	+	1.206E-18	2.3375E-17	0.28059	hyper	sig	chr16_66948889
chr4	80265645	80265645	+	1.206E-18	2.3377E-17	0.216245	hyper	sig	chr4_80265645
chr2	11154443	11154443	+	1.207E-18	2.3398E-17	0.302752	hyper	sig	chr2_11154443
chr5	1.14E+08	114363527	+	1.209E-18	2.3431E-17	0.208659	hyper	sig	chr5_114363527
chr4	1.56E+08	155758963	+	1.211E-18	2.347E-17	0.29745	hyper	sig	chr4_155758963
chr6	30127492	30127492	+	1.211E-18	2.3473E-17	0.265403	hyper	sig	chr6_30127492
chr7	4189298	4189298	+	1.212E-18	2.3482E-17	0.265205	hyper	sig	chr7_4189298
chr4	1407939	1407939	+	1.212E-18	2.349E-17	0.309071	hyper	sig	chr4_1407939
chr1	1.44E+08	143652084	+	1.212E-18	2.3492E-17	0.328484	hyper	sig	chr1_143652084
chr2	1.05E+08	105119196	+	1.212E-18	2.3496E-17	0.299629	hyper	sig	chr2_105119196
chr10	1.18E+08	117545771	+	1.214E-18	2.3518E-17	0.306929	hyper	sig	chr10_117545771
chr21	36694685	36694685	+	1.214E-18	2.3518E-17	0.329771	hyper	sig	chr21_36694685
chr10	13892299	13892299	+	1.214E-18	2.352E-17	0.258976	hyper	sig	chr10_13892299
chr1	1.8E+08	179588685	+	1.214E-18	2.3533E-17	-0.27354	hypo	sig	chr1_179588685
chr19	15723123	15723123	+	1.214E-18	2.3534E-17	0.285376	hyper	sig	chr19_15723123
chr8	1.42E+08	142454261	+	1.215E-18	2.3534E-17	-0.27366	hypo	sig	chr8_142454261
chr1	5859155	5859155	+	1.216E-18	2.3568E-17	0.246105	hyper	sig	chr1_5859155
chr19	2290977	2290977	+	1.216E-18	2.357E-17	0.222226	hyper	sig	chr19_2290977
chr16	89085444	89085444	+	1.218E-18	2.3597E-17	-0.259	hypo	sig	chr16_89085444
chr8	1.28E+08	127798444	+	1.22E-18	2.3643E-17	-0.27512	hypo	sig	chr8_127798444
chr10	8037253	8037253	+	1.22E-18	2.3645E-17	0.231557	hyper	sig	chr10_8037253
chr4	84501979	84501979	+	1.222E-18	2.3671E-17	0.255453	hyper	sig	chr4_84501979
chr17	9918280	9918280	+	1.222E-18	2.368E-17	-0.24414	hypo	sig	chr17_9918280
chr7	21544023	21544023	+	1.223E-18	2.3695E-17	0.277372	hyper	sig	chr7_21544023
chr10	22345367	22345367	+	1.224E-18	2.3704E-17	0.305431	hyper	sig	chr10_22345367
chr6	1.05E+08	104953103	+	1.224E-18	2.3704E-17	0.319091	hyper	sig	chr6_104953103
chr1	1.21E+08	121118394	+	1.224E-18	2.3711E-17	0.241712	hyper	sig	chr1_121118394
chr17	45262462	45262462	+	1.224E-18	2.3719E-17	0.251176	hyper	sig	chr17_45262462
chr5	1.46E+08	146339001	+	1.225E-18	2.3738E-17	0.263114	hyper	sig	chr5_146339001
chr10	1.2E+08	119541542	+	1.226E-18	2.3738E-17	0.28018	hyper	sig	chr10_119541542
chr17	4745250	4745250	+	1.226E-18	2.3739E-17	0.325159	hyper	sig	chr17_4745250
chr7	57868085	57868085	+	1.226E-18	2.3739E-17	0.310748	hyper	sig	chr7_57868085
chr11	1060659	1060659	+	1.226E-18	2.3743E-17	-0.31465	hypo	sig	chr11_1060659
chr2	2.42E+08	242011984	+	1.226E-18	2.3744E-17	-0.30826	hypo	sig	chr2_242011984
chr11	20671124	20671124	+	1.227E-18	2.3756E-17	0.285837	hyper	sig	chr11_20671124
chr4	1410516	1410516	+	1.227E-18	2.3764E-17	0.274749	hyper	sig	chr4_1410516
chr8	54470131	54470131	+	1.228E-18	2.3783E-17	0.353742	hyper	sig	chr8_54470131
chr2	3169584	3169584	+	1.23E-18	2.382E-17	0.343888	hyper	sig	chr2_3169584
chr15	26882480	26882480	+	1.231E-18	2.3831E-17	-0.30227	hypo	sig	chr15_26882480
chr2	1.15E+08	115162447	+	1.231E-18	2.3843E-17	0.285752	hyper	sig	chr2_115162447
chr11	1.12E+08	112164149	+	1.236E-18	2.3931E-17	-0.25135	hypo	sig	chr11_112164149
chr11	73323496	73323496	+	1.236E-18	2.3937E-17	0.372695	hyper	sig	chr11_73323496
chr3	13637818	13637818	+	1.237E-18	2.3942E-17	-0.32628	hypo	sig	chr3_13637818
chr6	42554150	42554150	+	1.238E-18	2.3967E-17	0.311923	hyper	sig	chr6_42554150
chr14	56810460	56810460	+	1.241E-18	2.402E-17	0.270126	hyper	sig	chr14_56810460
chr5	1.41E+08	141234534	+	1.241E-18	2.4029E-17	0.278225	hyper	sig	chr5_141234534
chr12	57619398	57619398	+	1.242E-18	2.4033E-17	-0.30421	hypo	sig	chr12_57619398
chr13	1.12E+08	111962831	+	1.242E-18	2.4033E-17	-0.44345	hypo	sig	chr13_111962831
chr17	38538823	38538823	+	1.243E-18	2.4068E-17	-0.22268	hypo	sig	chr17_38538823
chr3	10816700	10816700	+	1.244E-18	2.4081E-17	0.273668	hyper	sig	chr3_10816700
chr3	54121581	54121581	+	1.244E-18	2.4082E-17	0.230995	hyper	sig	chr3_54121581
chr2	1.53E+08	153478137	+	1.245E-18	2.4097E-17	0.252901	hyper	sig	chr2_153478137
chr2	1.42E+08	142130184	+	1.245E-18	2.4099E-17	0.276068	hyper	sig	chr2_142130184
chr5	1.41E+08	141431351	+	1.248E-18	2.416E-17	0.302838	hyper	sig	chr5_141431351

chr10	1.33E+08	132844097	+	1.249E-18	2.4169E-17	-0.35579	hypo	sig	chr10_132844097
chr11	1414244	1414244	+	1.249E-18	2.4169E-17	-0.30379	hypo	sig	chr11_1414244
chr19	56368204	56368204	+	1.25E-18	2.4184E-17	0.291286	hyper	sig	chr19_56368204
chr10	23195908	23195908	+	1.25E-18	2.4188E-17	0.245792	hyper	sig	chr10_23195908
chr20	33004015	33004015	+	1.25E-18	2.4195E-17	-0.2987	hypo	sig	chr20_33004015
chr7	1041875	1041875	+	1.25E-18	2.4195E-17	0.226197	hyper	sig	chr7_1041875
chr8	1.3E+08	129628959	+	1.252E-18	2.4221E-17	-0.24791	hypo	sig	chr8_129628959
chr1	1163786	1163786	+	1.252E-18	2.4223E-17	-0.27368	hypo	sig	chr1_1163786
chr1	1.62E+08	161621381	+	1.252E-18	2.4235E-17	0.245391	hyper	sig	chr1_161621381
chr18	58047139	58047139	+	1.253E-18	2.4241E-17	0.240539	hyper	sig	chr18_58047139
chr3	1.85E+08	184583359	+	1.254E-18	2.4269E-17	0.383484	hyper	sig	chr3_184583359
chr6	38704274	38704274	+	1.255E-18	2.4277E-17	0.211012	hyper	sig	chr6_38704274
chr12	52232191	52232191	+	1.255E-18	2.428E-17	-0.27755	hypo	sig	chr12_52232191
chr11	2140153	2140153	+	1.255E-18	2.4286E-17	0.262302	hyper	sig	chr11_2140153
chr8	1.42E+08	141507093	+	1.256E-18	2.4304E-17	-0.35667	hypo	sig	chr8_141507093
chr12	1.22E+08	121581175	+	1.256E-18	2.4305E-17	0.222395	hyper	sig	chr12_121581175
chr7	2700664	2700664	+	1.258E-18	2.4331E-17	-0.32406	hypo	sig	chr7_2700664
chr10	49396502	49396502	+	1.258E-18	2.4332E-17	0.240031	hyper	sig	chr10_49396502
chr5	1.76E+08	175773353	+	1.258E-18	2.4335E-17	0.272281	hyper	sig	chr5_175773353
chr15	40769888	40769888	+	1.259E-18	2.4349E-17	-0.20659	hypo	sig	chr15_40769888
chr1	2.08E+08	207959403	+	1.259E-18	2.4363E-17	0.205297	hyper	sig	chr1_207959403
chr13	53451581	53451581	+	1.26E-18	2.4366E-17	-0.2969	hypo	sig	chr13_53451581
chr2	11587072	11587072	+	1.26E-18	2.4378E-17	-0.24546	hypo	sig	chr2_11587072
chr11	1.19E+08	119422052	+	1.26E-18	2.438E-17	0.202124	hyper	sig	chr11_119422052
chr11	31815586	31815586	+	1.262E-18	2.4402E-17	0.234404	hyper	sig	chr11_31815586
chr1	14597581	14597581	+	1.263E-18	2.4435E-17	-0.29682	hypo	sig	chr1_14597581
chr1	92029526	92029526	+	1.264E-18	2.4448E-17	-0.23495	hypo	sig	chr1_92029526
chr12	3305083	3305083	+	1.264E-18	2.4448E-17	-0.28926	hypo	sig	chr12_3305083
chr10	1.32E+08	132205500	+	1.266E-18	2.448E-17	-0.25417	hypo	sig	chr10_132205500
chr8	1.45E+08	144524392	+	1.266E-18	2.4486E-17	-0.32665	hypo	sig	chr8_144524392
chr3	1.33E+08	133038023	+	1.266E-18	2.4488E-17	0.250196	hyper	sig	chr3_133038023
chr1	21814353	21814353	+	1.267E-18	2.4494E-17	0.282873	hyper	sig	chr1_21814353
chr14	1.05E+08	105249715	+	1.268E-18	2.4525E-17	0.246567	hyper	sig	chr14_105249715
chr1	2.14E+08	213996746	+	1.269E-18	2.4532E-17	0.220656	hyper	sig	chr1_213996746
chr11	2328220	2328220	+	1.27E-18	2.4558E-17	-0.42226	hypo	sig	chr11_2328220
chr3	1.5E+08	149657244	+	1.271E-18	2.4582E-17	0.322339	hyper	sig	chr3_149657244
chr17	80446293	80446293	+	1.273E-18	2.4618E-17	-0.28356	hypo	sig	chr17_80446293
chr5	1573609	1573609	+	1.275E-18	2.4646E-17	-0.29946	hypo	sig	chr5_1573609
chr22	50547334	50547334	+	1.276E-18	2.4665E-17	0.287978	hyper	sig	chr22_50547334
chr1	10658164	10658164	+	1.276E-18	2.4678E-17	0.264785	hyper	sig	chr1_10658164
chr7	42247552	42247552	+	1.276E-18	2.4679E-17	0.284342	hyper	sig	chr7_42247552
chr14	21026005	21026005	+	1.277E-18	2.4693E-17	0.263053	hyper	sig	chr14_21026005
chr4	7478185	7478185	+	1.277E-18	2.4696E-17	-0.35263	hypo	sig	chr4_7478185
chr6	1.08E+08	108119168	+	1.278E-18	2.4714E-17	0.235428	hyper	sig	chr6_108119168
chr16	89202333	89202333	+	1.279E-18	2.4718E-17	0.236966	hyper	sig	chr16_89202333
chr21	36704948	36704948	+	1.279E-18	2.472E-17	0.353054	hyper	sig	chr21_36704948
chr3	46744897	46744897	+	1.279E-18	2.4724E-17	-0.29275	hypo	sig	chr3_46744897
chr13	1.12E+08	112202370	+	1.279E-18	2.4728E-17	-0.25396	hypo	sig	chr13_112202370
chr9	1.3E+08	129674276	+	1.28E-18	2.4736E-17	-0.20445	hypo	sig	chr9_129674276
chr1	1.62E+08	161621670	+	1.28E-18	2.4737E-17	0.210919	hyper	sig	chr1_161621670
chr7	35254870	35254870	+	1.28E-18	2.4748E-17	0.364642	hyper	sig	chr7_35254870
chr19	3025409	3025409	+	1.281E-18	2.4761E-17	-0.30455	hypo	sig	chr19_3025409
chr13	1.14E+08	114200282	+	1.281E-18	2.4768E-17	0.414942	hyper	sig	chr13_114200282
chr1	2.1E+08	210252750	+	1.282E-18	2.4774E-17	-0.28177	hypo	sig	chr1_210252750
chr8	11347138	11347138	+	1.282E-18	2.4788E-17	0.286106	hyper	sig	chr8_11347138
chr10	1.32E+08	132037222	+	1.283E-18	2.479E-17	0.254406	hyper	sig	chr10_132037222

chr11	30016126	30016126	+	1.283E-18	2.48E-17	0.310396	hyper	sig	chr11_30016126
chr9	1.22E+08	122226444	+	1.283E-18	2.48E-17	0.294514	hyper	sig	chr9_122226444
chr6	1494864	1494864	+	1.283E-18	2.4806E-17	-0.24805	hypo	sig	chr6_1494864
chr13	1.14E+08	114110620	+	1.284E-18	2.4821E-17	-0.33886	hypo	sig	chr13_114110620
chr12	34292874	34292874	+	1.285E-18	2.4827E-17	-0.29343	hypo	sig	chr12_34292874
chr2	1.05E+08	104844934	+	1.285E-18	2.4837E-17	0.231727	hyper	sig	chr2_104844934
chr7	37448686	37448686	+	1.287E-18	2.4868E-17	0.292109	hyper	sig	chr7_37448686
chr10	93074788	93074788	+	1.287E-18	2.4874E-17	0.20837	hyper	sig	chr10_93074788
chr10	1.3E+08	129959469	+	1.288E-18	2.4886E-17	0.208788	hyper	sig	chr10_129959469
chr5	1.41E+08	141345673	+	1.288E-18	2.4887E-17	0.274544	hyper	sig	chr5_141345673
chr2	11618552	11618552	+	1.289E-18	2.491E-17	-0.30672	hypo	sig	chr2_11618552
chr7	38976353	38976353	+	1.289E-18	2.4911E-17	0.29569	hyper	sig	chr7_38976353
chr5	1.77E+08	177492170	+	1.29E-18	2.4922E-17	0.302703	hyper	sig	chr5_177492170
chr6	1.66E+08	165850184	+	1.29E-18	2.4927E-17	-0.23931	hypo	sig	chr6_165850184
chr1	24535358	24535358	+	1.29E-18	2.4932E-17	-0.22669	hypo	sig	chr1_24535358
chr3	55491939	55491939	+	1.291E-18	2.4933E-17	-0.39762	hypo	sig	chr3_55491939
chr11	65607654	65607654	+	1.291E-18	2.4936E-17	0.263768	hyper	sig	chr11_65607654
chr14	1.04E+08	103727846	+	1.291E-18	2.4951E-17	0.241027	hyper	sig	chr14_103727846
chr20	63007208	63007208	+	1.293E-18	2.4973E-17	0.346243	hyper	sig	chr20_63007208
chr6	1.67E+08	166870912	+	1.293E-18	2.4977E-17	-0.24351	hypo	sig	chr6_166870912
chr20	43916469	43916469	+	1.294E-18	2.499E-17	0.327581	hyper	sig	chr20_43916469
chr1	1.65E+08	164576525	+	1.295E-18	2.5014E-17	0.309252	hyper	sig	chr1_164576525
chr8	64382029	64382029	+	1.295E-18	2.5024E-17	0.296361	hyper	sig	chr8_64382029
chr8	1E+08	100106348	+	1.296E-18	2.5025E-17	0.342274	hyper	sig	chr8_100106348
chr10	1341554	1341554	+	1.296E-18	2.5028E-17	-0.22904	hypo	sig	chr10_1341554
chr7	1.5E+08	150219587	+	1.296E-18	2.5037E-17	0.264215	hyper	sig	chr7_150219587
chr1	1.09E+08	108948356	+	1.297E-18	2.5045E-17	0.265003	hyper	sig	chr1_108948356
chr2	98085149	98085149	+	1.297E-18	2.5052E-17	-0.35751	hypo	sig	chr2_98085149
chr7	21544005	21544005	+	1.298E-18	2.5072E-17	0.248154	hyper	sig	chr7_21544005
chr2	1.3E+08	130006047	+	1.299E-18	2.508E-17	0.264041	hyper	sig	chr2_130006047
chr16	86579044	86579044	+	1.3E-18	2.511E-17	0.309284	hyper	sig	chr16_86579044
chr18	21703377	21703377	+	1.3E-18	2.5115E-17	-0.31618	hypo	sig	chr18_21703377
chr10	683545	683545	+	1.303E-18	2.5158E-17	0.236202	hyper	sig	chr10_683545
chr16	71426333	71426333	+	1.303E-18	2.5165E-17	0.241207	hyper	sig	chr16_71426333
chr11	19714155	19714155	+	1.304E-18	2.5183E-17	0.205064	hyper	sig	chr11_19714155
chr9	87499125	87499125	+	1.305E-18	2.5194E-17	0.271653	hyper	sig	chr9_87499125
chr1	53526868	53526868	+	1.305E-18	2.5194E-17	0.302946	hyper	sig	chr1_53526868
chr3	1.47E+08	147245881	+	1.305E-18	2.5206E-17	-0.27445	hypo	sig	chr3_147245881
chr5	33297852	33297852	+	1.306E-18	2.5225E-17	-0.24965	hypo	sig	chr5_33297852
chr4	1.11E+08	110630897	+	1.307E-18	2.5233E-17	0.250866	hyper	sig	chr4_110630897
chr7	5558076	5558076	+	1.307E-18	2.5243E-17	0.228441	hyper	sig	chr7_5558076
chr7	45578293	45578293	+	1.308E-18	2.5254E-17	-0.35368	hypo	sig	chr7_45578293
chr7	31193267	31193267	+	1.308E-18	2.5256E-17	0.227123	hyper	sig	chr7_31193267
chr1	2.07E+08	207453000	+	1.308E-18	2.5256E-17	-0.25258	hypo	sig	chr1_207453000
chr11	1.34E+08	133865584	+	1.309E-18	2.5279E-17	-0.34811	hypo	sig	chr11_133865584
chr9	1.37E+08	136739726	+	1.31E-18	2.5286E-17	-0.28973	hypo	sig	chr9_136739726
chr16	68642840	68642840	+	1.31E-18	2.5286E-17	0.330692	hyper	sig	chr16_68642840
chr15	64824398	64824398	+	1.311E-18	2.5312E-17	0.245875	hyper	sig	chr15_64824398
chr18	75454811	75454811	+	1.312E-18	2.5335E-17	-0.31963	hypo	sig	chr18_75454811
chr11	562420	562420	+	1.313E-18	2.5345E-17	0.288114	hyper	sig	chr11_562420
chr17	48725459	48725459	+	1.314E-18	2.5356E-17	0.271071	hyper	sig	chr17_48725459
chr1	18632430	18632430	+	1.314E-18	2.5364E-17	0.326399	hyper	sig	chr1_18632430
chr7	119529	119529	+	1.315E-18	2.5378E-17	-0.30586	hypo	sig	chr7_119529
chr19	57320968	57320968	+	1.317E-18	2.5417E-17	0.228064	hyper	sig	chr19_57320968
chr5	73298655	73298655	+	1.318E-18	2.5436E-17	0.299041	hyper	sig	chr5_73298655
chr5	1.79E+08	179349133	+	1.32E-18	2.5467E-17	-0.36388	hypo	sig	chr5_179349133

chr11	32427892	32427892	+	1.32E-18	2.547E-17	0.355013	hyper	sig	chr11_32427892
chr5	1.76E+08	176133547	+	1.32E-18	2.5475E-17	0.273051	hyper	sig	chr5_176133547
chr21	45286830	45286830	+	1.32E-18	2.548E-17	0.277756	hyper	sig	chr21_45286830
chr11	20158933	20158933	+	1.321E-18	2.5496E-17	0.286128	hyper	sig	chr11_20158933
chr4	1.84E+08	184095937	+	1.324E-18	2.5544E-17	-0.26049	hypo	sig	chr4_184095937
chr11	86906577	86906577	+	1.324E-18	2.5546E-17	-0.3066	hypo	sig	chr11_86906577
chr7	73827548	73827548	+	1.325E-18	2.5561E-17	-0.24813	hypo	sig	chr7_73827548
chr7	6160538	6160538	+	1.325E-18	2.5572E-17	0.337094	hyper	sig	chr7_6160538
chr5	932803	932803	+	1.325E-18	2.5574E-17	-0.2612	hypo	sig	chr5_932803
chr15	52794689	52794689	+	1.327E-18	2.5597E-17	0.280182	hyper	sig	chr15_52794689
chr4	1593703	1593703	+	1.332E-18	2.5696E-17	0.255009	hyper	sig	chr4_1593703
chr3	1.14E+08	114238522	+	1.333E-18	2.5715E-17	-0.22044	hypo	sig	chr3_114238522
chr6	1.69E+08	168906596	+	1.334E-18	2.5727E-17	-0.28126	hypo	sig	chr6_168906596
chr1	24535891	24535891	+	1.334E-18	2.5731E-17	-0.22933	hypo	sig	chr1_24535891
chr1	1.2E+08	119713278	+	1.334E-18	2.5742E-17	0.255704	hyper	sig	chr1_119713278
chr13	25171346	25171346	+	1.335E-18	2.5744E-17	0.448124	hyper	sig	chr13_25171346
chr1	85582214	85582214	+	1.335E-18	2.5755E-17	0.264947	hyper	sig	chr1_85582214
chr17	14303719	14303719	+	1.335E-18	2.576E-17	0.2276	hyper	sig	chr17_14303719
chr11	31818264	31818264	+	1.336E-18	2.5765E-17	0.284422	hyper	sig	chr11_31818264
chr14	99246068	99246068	+	1.336E-18	2.5765E-17	0.343182	hyper	sig	chr14_99246068
chr7	75643030	75643030	+	1.336E-18	2.5774E-17	-0.22714	hypo	sig	chr7_75643030
chr1	24931584	24931584	+	1.336E-18	2.5776E-17	0.267481	hyper	sig	chr1_24931584
chr10	47300736	47300736	+	1.337E-18	2.5782E-17	0.258897	hyper	sig	chr10_47300736
chr10	23173391	23173391	+	1.337E-18	2.5792E-17	0.360955	hyper	sig	chr10_23173391
chr7	1.51E+08	150989647	+	1.338E-18	2.5797E-17	0.244938	hyper	sig	chr7_150989647
chr10	1167562	1167562	+	1.339E-18	2.5822E-17	-0.27049	hypo	sig	chr10_1167562
chr5	1.69E+08	168529852	+	1.339E-18	2.5828E-17	0.282799	hyper	sig	chr5_168529852
chr20	63494915	63494915	+	1.34E-18	2.5834E-17	-0.28777	hypo	sig	chr20_63494915
chr7	1383422	1383422	+	1.34E-18	2.5834E-17	-0.23947	hypo	sig	chr7_1383422
chr2	47566098	47566098	+	1.34E-18	2.5838E-17	-0.24894	hypo	sig	chr2_47566098
chr1	1.1E+08	110151363	+	1.34E-18	2.5839E-17	0.227173	hyper	sig	chr1_110151363
chr10	69569350	69569350	+	1.341E-18	2.5854E-17	0.414703	hyper	sig	chr10_69569350
chr4	26804559	26804559	+	1.342E-18	2.5878E-17	0.210117	hyper	sig	chr4_26804559
chr6	1.7E+08	170255751	+	1.345E-18	2.5927E-17	-0.3039	hypo	sig	chr6_170255751
chr5	1.41E+08	141355817	+	1.345E-18	2.5931E-17	0.27294	hyper	sig	chr5_141355817
chr15	82044425	82044425	+	1.346E-18	2.5949E-17	0.204684	hyper	sig	chr15_82044425
chr5	88685217	88685217	+	1.347E-18	2.5966E-17	0.209321	hyper	sig	chr5_88685217
chr20	46201089	46201089	+	1.347E-18	2.5972E-17	0.274097	hyper	sig	chr20_46201089
chr12	1.17E+08	117032763	+	1.347E-18	2.5973E-17	0.318305	hyper	sig	chr12_117032763
chr8	10898367	10898367	+	1.347E-18	2.5973E-17	-0.26882	hypo	sig	chr8_10898367
chr3	1.47E+08	147405670	+	1.348E-18	2.5994E-17	0.289934	hyper	sig	chr3_147405670
chr17	34577236	34577236	+	1.349E-18	2.6002E-17	-0.33666	hypo	sig	chr17_34577236
chr3	1.7E+08	169665512	+	1.349E-18	2.6007E-17	0.312092	hyper	sig	chr3_169665512
chr1	1.21E+08	121117020	+	1.35E-18	2.6019E-17	0.329297	hyper	sig	chr1_121117020
chr13	52847509	52847509	+	1.35E-18	2.6023E-17	0.276853	hyper	sig	chr13_52847509
chr2	45000510	45000510	+	1.352E-18	2.6055E-17	0.277024	hyper	sig	chr2_45000510
chr3	13076254	13076254	+	1.352E-18	2.6058E-17	-0.33273	hypo	sig	chr3_13076254
chr16	761126	761126	+	1.353E-18	2.6088E-17	-0.36892	hypo	sig	chr16_761126
chr20	20199831	20199831	+	1.354E-18	2.609E-17	0.318773	hyper	sig	chr20_20199831
chr5	1.75E+08	174732111	+	1.354E-18	2.6098E-17	0.299428	hyper	sig	chr5_174732111
chr1	2073951	2073951	+	1.354E-18	2.6098E-17	0.360982	hyper	sig	chr1_2073951
chr6	45662022	45662022	+	1.355E-18	2.611E-17	-0.37398	hypo	sig	chr6_45662022
chr11	43581447	43581447	+	1.355E-18	2.6115E-17	0.272458	hyper	sig	chr11_43581447
chr7	38311320	38311320	+	1.356E-18	2.6124E-17	0.249998	hyper	sig	chr7_38311320
chr6	1.6E+08	160090949	+	1.356E-18	2.6126E-17	-0.31207	hypo	sig	chr6_160090949
chr3	1.18E+08	117997263	+	1.358E-18	2.6163E-17	0.342186	hyper	sig	chr3_117997263

chr13	78596232	78596232	+	1.36E-18	2.6216E-17	0.265491	hyper	sig	chr13_78596232
chr4	1.44E+08	143700267	+	1.361E-18	2.6225E-17	0.300134	hyper	sig	chr4_143700267
chr12	53961616	53961616	+	1.361E-18	2.6227E-17	0.327633	hyper	sig	chr12_53961616
chr8	26865358	26865358	+	1.361E-18	2.6229E-17	0.228138	hyper	sig	chr8_26865358
chr6	84052177	84052177	+	1.362E-18	2.6237E-17	0.311172	hyper	sig	chr6_84052177
chr16	2071735	2071735	+	1.362E-18	2.624E-17	0.202145	hyper	sig	chr16_2071735
chr17	45430402	45430402	+	1.362E-18	2.6241E-17	0.301418	hyper	sig	chr17_45430402
chr8	52564704	52564704	+	1.362E-18	2.6249E-17	0.247571	hyper	sig	chr8_52564704
chr2	2.19E+08	219497129	+	1.363E-18	2.6265E-17	0.294577	hyper	sig	chr2_219497129
chr20	17225909	17225909	+	1.365E-18	2.6298E-17	0.291615	hyper	sig	chr20_17225909
chr12	63151743	63151743	+	1.365E-18	2.6302E-17	0.209084	hyper	sig	chr12_63151743
chr21	36709676	36709676	+	1.365E-18	2.6302E-17	0.294699	hyper	sig	chr21_36709676
chr10	8051407	8051407	+	1.366E-18	2.6311E-17	0.206871	hyper	sig	chr10_8051407
chr6	10422107	10422107	+	1.366E-18	2.6312E-17	0.325388	hyper	sig	chr6_10422107
chr7	1.55E+08	155372794	+	1.366E-18	2.6322E-17	0.227305	hyper	sig	chr7_155372794
chr8	48541496	48541496	+	1.367E-18	2.6327E-17	-0.23894	hypo	sig	chr8_48541496
chr17	18634738	18634738	+	1.367E-18	2.6331E-17	0.23998	hyper	sig	chr17_18634738
chr5	1.29E+08	128537613	+	1.368E-18	2.6351E-17	0.245099	hyper	sig	chr5_128537613
chr22	32193430	32193430	+	1.368E-18	2.6352E-17	-0.25681	hypo	sig	chr22_32193430
chr19	55087694	55087694	+	1.37E-18	2.6382E-17	0.292827	hyper	sig	chr19_55087694
chr12	98895546	98895546	+	1.37E-18	2.6384E-17	0.333851	hyper	sig	chr12_98895546
chr5	88602767	88602767	+	1.371E-18	2.6403E-17	-0.25788	hypo	sig	chr5_88602767
chr14	1.04E+08	103523352	+	1.371E-18	2.6409E-17	0.221227	hyper	sig	chr14_103523352
chr10	1.33E+08	132832668	+	1.372E-18	2.6433E-17	0.271985	hyper	sig	chr10_132832668
chr7	1.59E+08	158990407	+	1.372E-18	2.6433E-17	-0.26657	hypo	sig	chr7_158990407
chr8	1.44E+08	144275384	+	1.373E-18	2.6433E-17	0.30551	hyper	sig	chr8_144275384
chr6	33165552	33165552	+	1.376E-18	2.649E-17	-0.24882	hypo	sig	chr6_33165552
chr1	2.28E+08	228416006	+	1.376E-18	2.6491E-17	0.305305	hyper	sig	chr1_228416006
chr14	28765917	28765917	+	1.376E-18	2.6495E-17	0.2627	hyper	sig	chr14_28765917
chr2	2.34E+08	233760261	+	1.378E-18	2.6526E-17	-0.27288	hypo	sig	chr2_233760261
chr10	8037407	8037407	+	1.379E-18	2.6551E-17	0.214187	hyper	sig	chr10_8037407
chr7	1.55E+08	155374860	+	1.38E-18	2.6567E-17	0.258321	hyper	sig	chr7_155374860
chr10	35608022	35608022	+	1.38E-18	2.658E-17	0.298408	hyper	sig	chr10_35608022
chr7	2104902	2104902	+	1.381E-18	2.6597E-17	0.310537	hyper	sig	chr7_2104902
chr20	63007265	63007265	+	1.381E-18	2.6598E-17	0.307089	hyper	sig	chr20_63007265
chr11	70103221	70103221	+	1.382E-18	2.6613E-17	-0.24654	hypo	sig	chr11_70103221
chr6	1.08E+08	108114942	+	1.383E-18	2.6625E-17	0.286916	hyper	sig	chr6_108114942
chr19	23003002	23003002	+	1.385E-18	2.6659E-17	0.241911	hyper	sig	chr19_23003002
chr7	19117570	19117570	+	1.385E-18	2.6659E-17	0.259664	hyper	sig	chr7_19117570
chr19	39914130	39914130	+	1.385E-18	2.666E-17	-0.25389	hypo	sig	chr19_39914130
chr19	54982304	54982304	+	1.385E-18	2.6664E-17	-0.25883	hypo	sig	chr19_54982304
chr11	64712044	64712044	+	1.386E-18	2.6686E-17	0.341871	hyper	sig	chr11_64712044
chr4	1.66E+08	165874756	+	1.387E-18	2.6703E-17	0.29558	hyper	sig	chr4_165874756
chr7	20777085	20777085	+	1.388E-18	2.6709E-17	0.331707	hyper	sig	chr7_20777085
chr5	84384466	84384466	+	1.389E-18	2.6731E-17	0.216828	hyper	sig	chr5_84384466
chr2	1.19E+08	118845557	+	1.39E-18	2.6748E-17	0.312201	hyper	sig	chr2_118845557
chr13	94704806	94704806	+	1.39E-18	2.6753E-17	0.320272	hyper	sig	chr13_94704806
chr8	71558521	71558521	+	1.391E-18	2.6779E-17	0.273249	hyper	sig	chr8_71558521
chr8	1.45E+08	144714101	+	1.392E-18	2.68E-17	0.319144	hyper	sig	chr8_144714101
chr7	1.55E+08	155454519	+	1.394E-18	2.6822E-17	0.249367	hyper	sig	chr7_155454519
chr2	2.42E+08	241544153	+	1.394E-18	2.6832E-17	-0.26163	hypo	sig	chr2_241544153
chr16	1010821	1010821	+	1.395E-18	2.6838E-17	-0.29474	hypo	sig	chr16_1010821
chr2	2.38E+08	237627297	+	1.396E-18	2.686E-17	0.25578	hyper	sig	chr2_237627297
chr19	58033814	58033814	+	1.397E-18	2.6888E-17	0.351681	hyper	sig	chr19_58033814
chr11	8169073	8169073	+	1.398E-18	2.69E-17	0.214475	hyper	sig	chr11_8169073
chr3	1.63E+08	162987549	+	1.398E-18	2.6903E-17	-0.23866	hypo	sig	chr3_162987549

chr6	29828078	29828078	+	1.398E-18	2.6907E-17	0.203325	hyper	sig	chr6_29828078
chr15	68432663	68432663	+	1.399E-18	2.6913E-17	-0.22033	hypo	sig	chr15_68432663
chr13	1.13E+08	112985155	+	1.399E-18	2.6917E-17	-0.27242	hypo	sig	chr13_112985155
chr2	25043183	25043183	+	1.4E-18	2.6932E-17	0.239631	hyper	sig	chr2_25043183
chr3	6862504	6862504	+	1.4E-18	2.6939E-17	0.295628	hyper	sig	chr3_6862504
chr20	21705613	21705613	+	1.4E-18	2.6942E-17	0.346743	hyper	sig	chr20_21705613
chr19	53912448	53912448	+	1.4E-18	2.6943E-17	-0.27289	hypo	sig	chr19_53912448
chr16	10180460	10180460	+	1.401E-18	2.6958E-17	0.337068	hyper	sig	chr16_10180460
chr7	1.3E+08	130491575	+	1.402E-18	2.6966E-17	0.236864	hyper	sig	chr7_130491575
chr7	6273419	6273419	+	1.402E-18	2.6968E-17	-0.28598	hypo	sig	chr7_6273419
chr1	34163478	34163478	+	1.403E-18	2.6988E-17	0.272189	hyper	sig	chr1_34163478
chr19	18650613	18650613	+	1.404E-18	2.701E-17	0.288511	hyper	sig	chr19_18650613
chr6	28447008	28447008	+	1.404E-18	2.7014E-17	0.244087	hyper	sig	chr6_28447008
chr2	10014894	10014894	+	1.404E-18	2.7018E-17	-0.31031	hypo	sig	chr2_10014894
chr11	9047514	9047514	+	1.405E-18	2.7024E-17	0.218886	hyper	sig	chr11_9047514
chr1	1.61E+08	161259105	+	1.405E-18	2.7032E-17	0.301649	hyper	sig	chr1_161259105
chr19	36797755	36797755	+	1.406E-18	2.7038E-17	0.239897	hyper	sig	chr19_36797755
chr16	89202369	89202369	+	1.406E-18	2.7046E-17	0.227265	hyper	sig	chr16_89202369
chr11	17770214	17770214	+	1.409E-18	2.71E-17	-0.25609	hypo	sig	chr11_17770214
chr8	84183799	84183799	+	1.409E-18	2.7102E-17	0.300527	hyper	sig	chr8_84183799
chr7	6842481	6842481	+	1.409E-18	2.7105E-17	-0.24569	hypo	sig	chr7_6842481
chr5	71719073	71719073	+	1.41E-18	2.7109E-17	0.315829	hyper	sig	chr5_71719073
chr17	82321060	82321060	+	1.411E-18	2.7127E-17	-0.27827	hypo	sig	chr17_82321060
chr3	13283386	13283386	+	1.411E-18	2.7142E-17	0.243377	hyper	sig	chr3_13283386
chr20	659548	659548	+	1.411E-18	2.7143E-17	-0.30367	hypo	sig	chr20_659548
chr6	1.61E+08	160864430	+	1.412E-18	2.7146E-17	-0.23118	hypo	sig	chr6_160864430
chr17	49910736	49910736	+	1.412E-18	2.7148E-17	0.313417	hyper	sig	chr17_49910736
chr22	29313365	29313365	+	1.412E-18	2.715E-17	0.24393	hyper	sig	chr22_29313365
chr5	1.4E+08	139710248	+	1.415E-18	2.7205E-17	-0.26275	hypo	sig	chr5_139710248
chr12	53966727	53966727	+	1.415E-18	2.7206E-17	0.299769	hyper	sig	chr12_53966727
chr17	19470977	19470977	+	1.415E-18	2.7209E-17	0.274523	hyper	sig	chr17_19470977
chr5	1.36E+08	136193664	+	1.416E-18	2.7222E-17	0.25713	hyper	sig	chr5_136193664
chr7	1.29E+08	128916502	+	1.416E-18	2.7232E-17	0.244384	hyper	sig	chr7_128916502
chr1	1.98E+08	197921531	+	1.417E-18	2.7237E-17	0.266285	hyper	sig	chr1_197921531
chr2	44955245	44955245	+	1.417E-18	2.7252E-17	0.207813	hyper	sig	chr2_44955245
chr1	22647720	22647720	+	1.418E-18	2.7261E-17	-0.27141	hypo	sig	chr1_22647720
chr2	2.32E+08	232459086	+	1.418E-18	2.7261E-17	0.313709	hyper	sig	chr2_232459086
chr4	41744930	41744930	+	1.418E-18	2.7268E-17	0.321914	hyper	sig	chr4_41744930
chr3	49686244	49686244	+	1.419E-18	2.728E-17	0.240786	hyper	sig	chr3_49686244
chr2	43123401	43123401	+	1.421E-18	2.731E-17	0.263633	hyper	sig	chr2_43123401
chr4	664035	664035	+	1.422E-18	2.7332E-17	0.339859	hyper	sig	chr4_664035
chr5	88672869	88672869	+	1.423E-18	2.7349E-17	0.255801	hyper	sig	chr5_88672869
chr22	36506579	36506579	+	1.423E-18	2.735E-17	-0.29521	hypo	sig	chr22_36506579
chr11	61566894	61566894	+	1.423E-18	2.7361E-17	-0.20952	hypo	sig	chr11_61566894
chr2	1.76E+08	176149790	+	1.424E-18	2.7368E-17	-0.27423	hypo	sig	chr2_176149790
chr11	15073999	15073999	+	1.424E-18	2.738E-17	0.214461	hyper	sig	chr11_15073999
chr15	1.01E+08	100920265	+	1.425E-18	2.7383E-17	-0.24726	hypo	sig	chr15_100920265
chr2	2.41E+08	240646471	+	1.425E-18	2.7383E-17	-0.24887	hypo	sig	chr2_240646471
chr4	84481271	84481271	+	1.425E-18	2.7394E-17	0.226287	hyper	sig	chr4_84481271
chr15	45379191	45379191	+	1.426E-18	2.7409E-17	0.217019	hyper	sig	chr15_45379191
chr17	4785989	4785989	+	1.426E-18	2.7409E-17	0.289372	hyper	sig	chr17_4785989
chr11	33700232	33700232	+	1.428E-18	2.7451E-17	-0.36061	hypo	sig	chr11_33700232
chr5	15500728	15500728	+	1.429E-18	2.7467E-17	0.229402	hyper	sig	chr5_15500728
chr11	78966107	78966107	+	1.429E-18	2.7468E-17	-0.24715	hypo	sig	chr11_78966107
chr16	54291349	54291349	+	1.429E-18	2.7468E-17	0.330943	hyper	sig	chr16_54291349
chr17	82593847	82593847	+	1.43E-18	2.7484E-17	0.285122	hyper	sig	chr17_82593847

chr6	62285971	62285971	+	1.431E-18	2.7494E-17	0.315462	hyper	sig	chr6_62285971
chr1	32765759	32765759	+	1.433E-18	2.7527E-17	0.293302	hyper	sig	chr1_32765759
chr13	1.11E+08	110506744	+	1.433E-18	2.7538E-17	-0.28689	hypo	sig	chr13_110506744
chr1	11538270	11538270	+	1.433E-18	2.7542E-17	-0.32301	hypo	sig	chr1_11538270
chr9	3181076	3181076	+	1.434E-18	2.7548E-17	0.241968	hyper	sig	chr9_3181076
chr16	3007958	3007958	+	1.436E-18	2.7587E-17	-0.22231	hypo	sig	chr16_3007958
chr11	1.21E+08	120987771	+	1.437E-18	2.7606E-17	-0.24647	hypo	sig	chr11_120987771
chr19	17329093	17329093	+	1.437E-18	2.7609E-17	0.218616	hyper	sig	chr19_17329093
chr22	50267529	50267529	+	1.437E-18	2.7613E-17	0.485026	hyper	sig	chr22_50267529
chr3	48656583	48656583	+	1.438E-18	2.7634E-17	0.201611	hyper	sig	chr3_48656583
chr12	1.03E+08	102962299	+	1.438E-18	2.7635E-17	0.251123	hyper	sig	chr12_102962299
chr6	28635517	28635517	+	1.438E-18	2.7635E-17	0.31141	hyper	sig	chr6_28635517
chr6	6003020	6003020	+	1.439E-18	2.7638E-17	0.25338	hyper	sig	chr6_6003020
chr10	1.29E+08	128568473	+	1.439E-18	2.7646E-17	-0.21104	hypo	sig	chr10_128568473
chr10	15719313	15719313	+	1.439E-18	2.7648E-17	0.258291	hyper	sig	chr10_15719313
chr6	30163698	30163698	+	1.439E-18	2.7648E-17	-0.29133	hypo	sig	chr6_30163698
chr19	18230039	18230039	+	1.44E-18	2.7655E-17	-0.26183	hypo	sig	chr19_18230039
chr15	82662876	82662876	+	1.44E-18	2.7668E-17	-0.25887	hypo	sig	chr15_82662876
chr6	30163836	30163836	+	1.441E-18	2.7677E-17	-0.25887	hypo	sig	chr6_30163836
chr17	45136207	45136207	+	1.442E-18	2.7696E-17	0.302182	hyper	sig	chr17_45136207
chr2	1.05E+08	104864301	+	1.443E-18	2.7711E-17	0.325955	hyper	sig	chr2_104864301
chr14	1.06E+08	105769647	+	1.444E-18	2.7727E-17	-0.30935	hypo	sig	chr14_105769647
chr11	67650502	67650502	+	1.444E-18	2.7731E-17	-0.22202	hypo	sig	chr11_67650502
chr19	7873783	7873783	+	1.444E-18	2.7735E-17	0.282238	hyper	sig	chr19_7873783
chr2	20671647	20671647	+	1.446E-18	2.7764E-17	0.246863	hyper	sig	chr2_20671647
chr1	2.28E+08	228464568	+	1.446E-18	2.7766E-17	0.230043	hyper	sig	chr1_228464568
chr12	75208026	75208026	+	1.447E-18	2.7777E-17	0.279294	hyper	sig	chr12_75208026
chr1	3455918	3455918	+	1.45E-18	2.7849E-17	-0.28781	hypo	sig	chr1_3455918
chr4	663230	663230	+	1.451E-18	2.7869E-17	0.303971	hyper	sig	chr4_663230
chr11	1.29E+08	128694293	+	1.451E-18	2.787E-17	0.346856	hyper	sig	chr11_128694293
chr9	1.37E+08	136662105	+	1.452E-18	2.788E-17	-0.40989	hypo	sig	chr9_136662105
chr13	1.12E+08	112061286	+	1.453E-18	2.79E-17	0.31186	hyper	sig	chr13_112061286
chr3	1.49E+08	148697690	+	1.454E-18	2.7915E-17	0.265235	hyper	sig	chr3_148697690
chr1	34163490	34163490	+	1.454E-18	2.7917E-17	0.234148	hyper	sig	chr1_34163490
chr10	1.33E+08	132884358	+	1.454E-18	2.7921E-17	-0.30548	hypo	sig	chr10_132884358
chr17	7589832	7589832	+	1.455E-18	2.7928E-17	0.267321	hyper	sig	chr17_7589832
chr21	36710241	36710241	+	1.456E-18	2.7961E-17	0.264418	hyper	sig	chr21_36710241
chr16	3013722	3013722	+	1.457E-18	2.7975E-17	0.296504	hyper	sig	chr16_3013722
chr7	55018482	55018482	+	1.458E-18	2.7995E-17	0.245101	hyper	sig	chr7_55018482
chr10	86263378	86263378	+	1.459E-18	2.8E-17	0.285474	hyper	sig	chr10_86263378
chr21	33023864	33023864	+	1.459E-18	2.8E-17	0.320675	hyper	sig	chr21_33023864
chr14	85622229	85622229	+	1.46E-18	2.8031E-17	-0.23074	hypo	sig	chr14_85622229
chr1	2.28E+08	228158339	+	1.461E-18	2.8045E-17	0.360257	hyper	sig	chr1_228158339
chr14	36659405	36659405	+	1.464E-18	2.8089E-17	0.273514	hyper	sig	chr14_36659405
chr2	2.4E+08	239905435	+	1.464E-18	2.81E-17	-0.21452	hypo	sig	chr2_239905435
chr7	4767300	4767300	+	1.466E-18	2.8128E-17	0.247683	hyper	sig	chr7_4767300
chr10	69571742	69571742	+	1.468E-18	2.818E-17	0.439129	hyper	sig	chr10_69571742
chr7	1.58E+08	157554629	+	1.469E-18	2.8187E-17	-0.26797	hypo	sig	chr7_157554629
chr17	76538457	76538457	+	1.47E-18	2.8214E-17	0.315817	hyper	sig	chr17_76538457
chr3	1.72E+08	172450020	+	1.472E-18	2.8242E-17	0.287054	hyper	sig	chr3_172450020
chr11	1.29E+08	128689317	+	1.472E-18	2.8244E-17	0.34541	hyper	sig	chr11_128689317
chr17	3128324	3128324	+	1.473E-18	2.826E-17	-0.26999	hypo	sig	chr17_3128324
chr17	81050330	81050330	+	1.474E-18	2.8282E-17	-0.36902	hypo	sig	chr17_81050330
chr4	41751306	41751306	+	1.474E-18	2.8288E-17	0.278382	hyper	sig	chr4_41751306
chr19	40483860	40483860	+	1.475E-18	2.8298E-17	-0.34024	hypo	sig	chr19_40483860
chr2	2.18E+08	218382359	+	1.476E-18	2.8317E-17	-0.25402	hypo	sig	chr2_218382359

chr20	9515891	9515891	+	1.476E-18	2.8322E-17	0.293212	hyper	sig	chr20_9515891
chr8	1.04E+08	103500832	+	1.477E-18	2.8335E-17	0.293974	hyper	sig	chr8_103500832
chr6	84764812	84764812	+	1.477E-18	2.8346E-17	0.211099	hyper	sig	chr6_84764812
chr3	1.26E+08	125698528	+	1.478E-18	2.8349E-17	-0.26269	hypo	sig	chr3_125698528
chr3	1.13E+08	113441471	+	1.481E-18	2.8405E-17	0.302159	hyper	sig	chr3_113441471
chr13	1.02E+08	101919790	+	1.481E-18	2.8407E-17	0.310169	hyper	sig	chr13_101919790
chr19	15723130	15723130	+	1.481E-18	2.8411E-17	0.289212	hyper	sig	chr19_15723130
chr2	27308492	27308492	+	1.482E-18	2.8427E-17	0.250905	hyper	sig	chr2_27308492
chr19	3369858	3369858	+	1.483E-18	2.8439E-17	0.362676	hyper	sig	chr19_3369858
chr12	29783523	29783523	+	1.483E-18	2.8452E-17	0.215559	hyper	sig	chr12_29783523
chr6	1.46E+08	146027754	+	1.483E-18	2.8453E-17	0.284627	hyper	sig	chr6_146027754
chr12	85280302	85280302	+	1.484E-18	2.8457E-17	0.209361	hyper	sig	chr12_85280302
chr12	64390388	64390388	+	1.485E-18	2.8481E-17	0.224977	hyper	sig	chr12_64390388
chr15	23180754	23180754	+	1.486E-18	2.8497E-17	-0.27165	hypo	sig	chr15_23180754
chr7	97022349	97022349	+	1.486E-18	2.8502E-17	0.24038	hyper	sig	chr7_97022349
chr11	507931	507931	+	1.486E-18	2.8503E-17	0.3157	hyper	sig	chr11_507931
chr5	1.81E+08	180616972	+	1.487E-18	2.8523E-17	-0.35193	hypo	sig	chr5_180616972
chr12	62191462	62191462	+	1.49E-18	2.8575E-17	0.349192	hyper	sig	chr12_62191462
chr11	8019942	8019942	+	1.49E-18	2.8579E-17	0.203468	hyper	sig	chr11_8019942
chr19	38734507	38734507	+	1.49E-18	2.8579E-17	-0.21304	hypo	sig	chr19_38734507
chr7	32424186	32424186	+	1.491E-18	2.8602E-17	-0.2754	hypo	sig	chr7_32424186
chr19	37817472	37817472	+	1.494E-18	2.8657E-17	0.330463	hyper	sig	chr19_37817472
chr5	1.79E+08	178590936	+	1.495E-18	2.8671E-17	0.254016	hyper	sig	chr5_178590936
chr1	37318370	37318370	+	1.495E-18	2.8677E-17	0.254007	hyper	sig	chr1_37318370
chr8	21041706	21041706	+	1.497E-18	2.8712E-17	-0.26876	hypo	sig	chr8_21041706
chr16	56190930	56190930	+	1.498E-18	2.8728E-17	0.256109	hyper	sig	chr16_56190930
chr6	1.33E+08	133240794	+	1.499E-18	2.8732E-17	0.213396	hyper	sig	chr6_133240794
chr13	1.11E+08	111095827	+	1.499E-18	2.8732E-17	-0.39405	hypo	sig	chr13_111095827
chr1	1.56E+08	156388304	+	1.5E-18	2.8757E-17	0.222251	hyper	sig	chr1_156388304
chr16	2235774	2235774	+	1.5E-18	2.8762E-17	-0.25713	hypo	sig	chr16_2235774
chr3	1.47E+08	147396131	+	1.501E-18	2.8782E-17	0.301575	hyper	sig	chr3_147396131
chr5	2757907	2757907	+	1.501E-18	2.8785E-17	0.256459	hyper	sig	chr5_2757907
chr5	73301224	73301224	+	1.502E-18	2.8789E-17	0.235677	hyper	sig	chr5_73301224
chr7	97024816	97024816	+	1.502E-18	2.8789E-17	0.250043	hyper	sig	chr7_97024816
chr7	169794	169794	+	1.508E-18	2.8912E-17	-0.30903	hypo	sig	chr7_169794
chr12	1.15E+08	114696691	+	1.509E-18	2.8919E-17	0.282443	hyper	sig	chr12_114696691
chr16	1941326	1941326	+	1.509E-18	2.892E-17	-0.24785	hypo	sig	chr16_1941326
chr14	53952942	53952942	+	1.509E-18	2.8931E-17	0.446687	hyper	sig	chr14_53952942
chr2	2.42E+08	241985730	+	1.51E-18	2.8943E-17	-0.38887	hypo	sig	chr2_241985730
chr11	614787	614787	+	1.512E-18	2.8972E-17	-0.30735	hypo	sig	chr11_614787
chr1	66534108	66534108	+	1.512E-18	2.8979E-17	0.275239	hyper	sig	chr1_66534108
chr17	3433518	3433518	+	1.513E-18	2.9003E-17	-0.26811	hypo	sig	chr17_3433518
chr16	661240	661240	+	1.514E-18	2.9013E-17	0.235268	hyper	sig	chr16_661240
chr13	1.14E+08	114048526	+	1.516E-18	2.9051E-17	-0.31575	hypo	sig	chr13_114048526
chr19	30226573	30226573	+	1.516E-18	2.9051E-17	0.205177	hyper	sig	chr19_30226573
chr19	1907764	1907764	+	1.517E-18	2.9068E-17	-0.34009	hypo	sig	chr19_1907764
chr19	30262552	30262552	+	1.517E-18	2.9071E-17	-0.38806	hypo	sig	chr19_30262552
chr13	1.13E+08	113405844	+	1.518E-18	2.9087E-17	-0.34648	hypo	sig	chr13_113405844
chr6	1E+08	100448230	+	1.519E-18	2.9099E-17	0.325498	hyper	sig	chr6_100448230
chr7	20779291	20779291	+	1.519E-18	2.9099E-17	0.283153	hyper	sig	chr7_20779291
chr13	24304784	24304784	+	1.519E-18	2.9102E-17	0.248582	hyper	sig	chr13_24304784
chr3	14810290	14810290	+	1.52E-18	2.9118E-17	0.243107	hyper	sig	chr3_14810290
chr4	1.55E+08	154743058	+	1.52E-18	2.9118E-17	0.32382	hyper	sig	chr4_154743058
chr19	22052749	22052749	+	1.522E-18	2.9158E-17	0.202626	hyper	sig	chr19_22052749
chr12	53973081	53973081	+	1.523E-18	2.9176E-17	0.292538	hyper	sig	chr12_53973081
chr3	1.2E+08	119809800	+	1.523E-18	2.9188E-17	0.32103	hyper	sig	chr3_119809800

chr16	85196002	85196002	+	1.526E-18	2.923E-17	0.244923	hyper	sig	chr16_85196002
chr10	15719257	15719257	+	1.526E-18	2.9242E-17	0.207407	hyper	sig	chr10_15719257
chr7	27103180	27103180	+	1.526E-18	2.9243E-17	0.271411	hyper	sig	chr7_27103180
chr4	25863698	25863698	+	1.527E-18	2.926E-17	-0.23587	hypo	sig	chr4_25863698
chr10	1.01E+08	101236817	+	1.528E-18	2.9271E-17	0.215667	hyper	sig	chr10_101236817
chr15	96408999	96408999	+	1.529E-18	2.9295E-17	0.234643	hyper	sig	chr15_96408999
chr11	655503	655503	+	1.53E-18	2.9301E-17	-0.2889	hypo	sig	chr11_655503
chr12	63669157	63669157	+	1.531E-18	2.9318E-17	0.20234	hyper	sig	chr12_63669157
chr21	45004965	45004965	+	1.532E-18	2.9342E-17	-0.24477	hypo	sig	chr21_45004965
chr2	27307514	27307514	+	1.532E-18	2.9342E-17	0.292914	hyper	sig	chr2_27307514
chr13	21319281	21319281	+	1.532E-18	2.9352E-17	0.265454	hyper	sig	chr13_21319281
chr14	1.05E+08	104728630	+	1.533E-18	2.9361E-17	-0.21477	hypo	sig	chr14_104728630
chr11	92225916	92225916	+	1.534E-18	2.9375E-17	0.269829	hyper	sig	chr11_92225916
chr22	38214552	38214552	+	1.535E-18	2.9393E-17	0.313063	hyper	sig	chr22_38214552
chr19	12156462	12156462	+	1.536E-18	2.9419E-17	0.272378	hyper	sig	chr19_12156462
chr17	41715640	41715640	+	1.536E-18	2.9421E-17	-0.32203	hypo	sig	chr17_41715640
chr1	3437947	3437947	+	1.537E-18	2.9427E-17	-0.31858	hypo	sig	chr1_3437947
chr6	10882872	10882872	+	1.537E-18	2.9431E-17	0.269847	hyper	sig	chr6_10882872
chr12	2633996	2633996	+	1.54E-18	2.9486E-17	-0.3031	hypo	sig	chr12_2633996
chr19	2278729	2278729	+	1.542E-18	2.9521E-17	-0.28009	hypo	sig	chr19_2278729
chr2	44801625	44801625	+	1.543E-18	2.9543E-17	0.259196	hyper	sig	chr2_44801625
chr13	1.07E+08	106530698	+	1.543E-18	2.9552E-17	-0.32263	hypo	sig	chr13_106530698
chr16	67170107	67170107	+	1.544E-18	2.9555E-17	0.203982	hyper	sig	chr16_67170107
chr5	1.79E+08	178944586	+	1.544E-18	2.956E-17	-0.23134	hypo	sig	chr5_178944586
chr1	2.21E+08	220885465	+	1.547E-18	2.9612E-17	0.303142	hyper	sig	chr1_220885465
chr4	30721653	30721653	+	1.547E-18	2.9615E-17	0.263675	hyper	sig	chr4_30721653
chr2	2.42E+08	241814105	+	1.549E-18	2.9655E-17	-0.34625	hypo	sig	chr2_241814105
chr7	80970	80970	+	1.549E-18	2.9657E-17	-0.20149	hypo	sig	chr7_80970
chr15	26968002	26968002	+	1.55E-18	2.9666E-17	0.354359	hyper	sig	chr15_26968002
chr7	1.52E+08	151851067	+	1.55E-18	2.9674E-17	-0.30316	hypo	sig	chr7_151851067
chr1	18109362	18109362	+	1.551E-18	2.9691E-17	0.229101	hyper	sig	chr1_18109362
chr12	54126605	54126605	+	1.551E-18	2.9694E-17	0.294416	hyper	sig	chr12_54126605
chr11	31804873	31804873	+	1.551E-18	2.9696E-17	0.296461	hyper	sig	chr11_31804873
chr1	1.47E+08	147079205	+	1.553E-18	2.9724E-17	0.405467	hyper	sig	chr1_147079205
chr8	76683909	76683909	+	1.554E-18	2.9747E-17	0.24782	hyper	sig	chr8_76683909
chr2	1.07E+08	106887372	+	1.554E-18	2.9754E-17	0.201074	hyper	sig	chr2_106887372
chr19	2588381	2588381	+	1.554E-18	2.9755E-17	-0.24162	hypo	sig	chr19_2588381
chr7	1.57E+08	157020648	+	1.555E-18	2.9757E-17	0.236453	hyper	sig	chr7_157020648
chr1	2.37E+08	236687061	+	1.555E-18	2.9758E-17	0.256354	hyper	sig	chr1_236687061
chr13	1.13E+08	113486973	+	1.556E-18	2.9776E-17	0.225619	hyper	sig	chr13_113486973
chr3	1.18E+08	117997259	+	1.556E-18	2.9776E-17	0.353266	hyper	sig	chr3_117997259
chr11	62444316	62444316	+	1.556E-18	2.9788E-17	0.225521	hyper	sig	chr11_62444316
chr16	86507923	86507923	+	1.557E-18	2.9789E-17	0.288038	hyper	sig	chr16_86507923
chr10	86668676	86668676	+	1.558E-18	2.9824E-17	0.336842	hyper	sig	chr10_86668676
chr6	1E+08	100448158	+	1.559E-18	2.9829E-17	0.342742	hyper	sig	chr6_100448158
chr13	99658151	99658151	+	1.56E-18	2.9857E-17	0.253791	hyper	sig	chr13_99658151
chr15	89411808	89411808	+	1.561E-18	2.9864E-17	0.202924	hyper	sig	chr15_89411808
chr5	31193810	31193810	+	1.563E-18	2.9909E-17	0.310605	hyper	sig	chr5_31193810
chr11	65481871	65481871	+	1.564E-18	2.9924E-17	0.261657	hyper	sig	chr11_65481871
chr20	885417	885417	+	1.564E-18	2.9924E-17	0.254601	hyper	sig	chr20_885417
chr6	1.46E+08	146027834	+	1.564E-18	2.9924E-17	0.302972	hyper	sig	chr6_146027834
chr5	38258708	38258708	+	1.564E-18	2.9931E-17	0.254881	hyper	sig	chr5_38258708
chr9	97077461	97077461	+	1.565E-18	2.9949E-17	0.268625	hyper	sig	chr9_97077461
chr8	48654136	48654136	+	1.565E-18	2.995E-17	-0.30102	hypo	sig	chr8_48654136
chr13	40173025	40173025	+	1.567E-18	2.9972E-17	-0.31216	hypo	sig	chr13_40173025
chr15	88255517	88255517	+	1.567E-18	2.9982E-17	0.278719	hyper	sig	chr15_88255517

chr10	86263340	86263340	+	1.567E-18	2.9982E-17	0.328711	hyper	sig	chr10_86263340
chr17	7854836	7854836	+	1.568E-18	2.9989E-17	0.245849	hyper	sig	chr17_7854836
chr11	20596470	20596470	+	1.568E-18	3.0003E-17	0.266406	hyper	sig	chr11_20596470
chr11	94740714	94740714	+	1.569E-18	3.0014E-17	0.200895	hyper	sig	chr11_94740714
chr19	53308778	53308778	+	1.569E-18	3.0019E-17	0.289725	hyper	sig	chr19_53308778
chr5	1.36E+08	136030201	+	1.57E-18	3.0035E-17	-0.26089	hypo	sig	chr5_136030201
chr19	44776919	44776919	+	1.57E-18	3.0037E-17	-0.28618	hypo	sig	chr19_44776919
chr5	31682356	31682356	+	1.571E-18	3.0046E-17	0.321836	hyper	sig	chr5_31682356
chr1	1.47E+08	147079208	+	1.573E-18	3.0084E-17	0.404943	hyper	sig	chr1_147079208
chr12	1.25E+08	124543791	+	1.573E-18	3.0084E-17	0.292032	hyper	sig	chr12_124543791
chr8	78516209	78516209	+	1.573E-18	3.0091E-17	0.200089	hyper	sig	chr8_78516209
chr4	2301983	2301983	+	1.574E-18	3.0101E-17	0.257766	hyper	sig	chr4_2301983
chr3	1.38E+08	137764842	+	1.574E-18	3.0107E-17	0.207243	hyper	sig	chr3_137764842
chr8	1062324	1062324	+	1.576E-18	3.0143E-17	0.314737	hyper	sig	chr8_1062324
chr14	1.05E+08	105065556	+	1.578E-18	3.0172E-17	-0.25664	hypo	sig	chr14_105065556
chr16	31529744	31529744	+	1.578E-18	3.0174E-17	0.331438	hyper	sig	chr16_31529744
chr6	10389846	10389846	+	1.578E-18	3.0187E-17	0.348107	hyper	sig	chr6_10389846
chr12	49903730	49903730	+	1.579E-18	3.0199E-17	0.313749	hyper	sig	chr12_49903730
chr16	88971855	88971855	+	1.58E-18	3.0204E-17	-0.29739	hypo	sig	chr16_88971855
chr5	1.77E+08	176896418	+	1.58E-18	3.0207E-17	-0.21175	hypo	sig	chr5_176896418
chr8	64577349	64577349	+	1.581E-18	3.0223E-17	0.212238	hyper	sig	chr8_64577349
chr6	30007551	30007551	+	1.581E-18	3.0227E-17	0.216832	hyper	sig	chr6_30007551
chr6	73353343	73353343	+	1.581E-18	3.0234E-17	-0.26239	hypo	sig	chr6_73353343
chr5	1.71E+08	171308387	+	1.584E-18	3.0279E-17	0.309091	hyper	sig	chr5_171308387
chr17	82347105	82347105	+	1.585E-18	3.0307E-17	-0.22857	hypo	sig	chr17_82347105
chr17	28982468	28982468	+	1.585E-18	3.0309E-17	-0.27298	hypo	sig	chr17_28982468
chr19	36331512	36331512	+	1.585E-18	3.0309E-17	0.255452	hyper	sig	chr19_36331512
chr2	74516307	74516307	+	1.587E-18	3.0332E-17	0.209599	hyper	sig	chr2_74516307
chr5	1.79E+08	178502813	+	1.588E-18	3.035E-17	-0.24053	hypo	sig	chr5_178502813
chr17	82003731	82003731	+	1.588E-18	3.0358E-17	0.272142	hyper	sig	chr17_82003731
chr14	36523582	36523582	+	1.591E-18	3.0411E-17	0.272823	hyper	sig	chr14_36523582
chr11	8169176	8169176	+	1.591E-18	3.0421E-17	0.245319	hyper	sig	chr11_8169176
chr8	1.43E+08	143155125	+	1.591E-18	3.0421E-17	-0.24508	hypo	sig	chr8_143155125
chr17	15265295	15265295	+	1.593E-18	3.0448E-17	0.228033	hyper	sig	chr17_15265295
chr10	55630584	55630584	+	1.595E-18	3.0484E-17	0.336542	hyper	sig	chr10_55630584
chr11	2869387	2869387	+	1.595E-18	3.0489E-17	0.273349	hyper	sig	chr11_2869387
chr14	73573246	73573246	+	1.596E-18	3.0498E-17	0.26808	hyper	sig	chr14_73573246
chr19	48552133	48552133	+	1.597E-18	3.0523E-17	-0.33799	hypo	sig	chr19_48552133
chr5	6411261	6411261	+	1.598E-18	3.055E-17	-0.21902	hypo	sig	chr5_6411261
chr14	1.04E+08	104390422	+	1.599E-18	3.0561E-17	-0.36617	hypo	sig	chr14_104390422
chr8	2561934	2561934	+	1.599E-18	3.0562E-17	0.306273	hyper	sig	chr8_2561934
chr5	392760	392760	+	1.599E-18	3.0564E-17	-0.34878	hypo	sig	chr5_392760
chr4	7324807	7324807	+	1.602E-18	3.0608E-17	-0.35009	hypo	sig	chr4_7324807
chr19	17460719	17460719	+	1.603E-18	3.0629E-17	-0.24774	hypo	sig	chr19_17460719
chr7	1.56E+08	155961965	+	1.603E-18	3.0631E-17	-0.28621	hypo	sig	chr7_155961965
chr1	85582867	85582867	+	1.605E-18	3.0664E-17	0.201742	hyper	sig	chr1_85582867
chr6	10422089	10422089	+	1.606E-18	3.0683E-17	0.255087	hyper	sig	chr6_10422089
chr2	44932833	44932833	+	1.606E-18	3.0691E-17	0.340305	hyper	sig	chr2_44932833
chr7	1054594	1054594	+	1.607E-18	3.0708E-17	0.350117	hyper	sig	chr7_1054594
chr3	1.49E+08	149377481	+	1.608E-18	3.0726E-17	-0.2963	hypo	sig	chr3_149377481
chr7	5895320	5895320	+	1.609E-18	3.0737E-17	-0.34096	hypo	sig	chr7_5895320
chr12	45050351	45050351	+	1.61E-18	3.0761E-17	0.315512	hyper	sig	chr12_45050351
chr11	2144412	2144412	+	1.615E-18	3.0848E-17	0.292013	hyper	sig	chr11_2144412
chr17	81242103	81242103	+	1.615E-18	3.0855E-17	0.277319	hyper	sig	chr17_81242103
chr16	54939692	54939692	+	1.616E-18	3.0862E-17	0.262682	hyper	sig	chr16_54939692
chr17	17793046	17793046	+	1.616E-18	3.088E-17	0.235322	hyper	sig	chr17_17793046

chr6	1.68E+08	168192350	+	1.617E-18	3.0888E-17	-0.27582	hypo	sig	chr6_168192350
chr6	53665794	53665794	+	1.617E-18	3.0895E-17	0.265754	hyper	sig	chr6_53665794
chr14	1.01E+08	101021591	+	1.617E-18	3.0895E-17	-0.29425	hypo	sig	chr14_101021591
chr16	7304416	7304416	+	1.619E-18	3.0915E-17	0.201919	hyper	sig	chr16_7304416
chr1	1.13E+08	112744531	+	1.619E-18	3.0926E-17	0.229416	hyper	sig	chr1_112744531
chr1	1.47E+08	147077606	+	1.621E-18	3.0966E-17	0.35522	hyper	sig	chr1_147077606
chr17	82875822	82875822	+	1.622E-18	3.0982E-17	-0.24615	hypo	sig	chr17_82875822
chr1	34176686	34176686	+	1.623E-18	3.0991E-17	0.269294	hyper	sig	chr1_34176686
chr12	1.3E+08	130339308	+	1.623E-18	3.0999E-17	0.348932	hyper	sig	chr12_130339308
chr17	81941433	81941433	+	1.624E-18	3.1018E-17	-0.31196	hypo	sig	chr17_81941433
chr6	1.69E+08	168838150	+	1.625E-18	3.1032E-17	-0.22624	hypo	sig	chr6_168838150
chr17	48571163	48571163	+	1.626E-18	3.1055E-17	0.271406	hyper	sig	chr17_48571163
chr2	1.28E+08	127673363	+	1.628E-18	3.1082E-17	0.248496	hyper	sig	chr2_127673363
chr1	57422766	57422766	+	1.628E-18	3.1085E-17	0.28264	hyper	sig	chr1_57422766
chr3	1.58E+08	158094952	+	1.629E-18	3.1107E-17	0.30165	hyper	sig	chr3_158094952
chr2	1.74E+08	174328733	+	1.63E-18	3.1117E-17	0.228109	hyper	sig	chr2_174328733
chr14	26204996	26204996	+	1.631E-18	3.1141E-17	0.282089	hyper	sig	chr14_26204996
chr1	2.06E+08	205568689	+	1.634E-18	3.1196E-17	0.253739	hyper	sig	chr1_205568689
chr6	1.06E+08	105981273	+	1.636E-18	3.1229E-17	0.2554	hyper	sig	chr6_105981273
chr11	70457448	70457448	+	1.637E-18	3.1248E-17	-0.24643	hypo	sig	chr11_70457448
chr7	27122755	27122755	+	1.638E-18	3.1266E-17	-0.27311	hypo	sig	chr7_27122755
chr1	1274709	1274709	+	1.639E-18	3.1281E-17	0.246877	hyper	sig	chr1_1274709
chr11	1.02E+08	101582632	+	1.641E-18	3.133E-17	0.349712	hyper	sig	chr11_101582632
chr11	66543907	66543907	+	1.641E-18	3.1331E-17	0.257988	hyper	sig	chr11_66543907
chr19	50692129	50692129	+	1.645E-18	3.1395E-17	-0.30981	hypo	sig	chr19_50692129
chr13	78596236	78596236	+	1.646E-18	3.1421E-17	0.292329	hyper	sig	chr13_78596236
chr20	24471123	24471123	+	1.648E-18	3.145E-17	0.277797	hyper	sig	chr20_24471123
chr11	66559335	66559335	+	1.65E-18	3.1489E-17	0.25923	hyper	sig	chr11_66559335
chr8	1.4E+08	139612484	+	1.65E-18	3.1494E-17	-0.34841	hypo	sig	chr8_139612484
chr6	84768825	84768825	+	1.65E-18	3.1499E-17	0.231513	hyper	sig	chr6_84768825
chr15	47184850	47184850	+	1.65E-18	3.1499E-17	0.245276	hyper	sig	chr15_47184850
chr8	1.45E+08	144730092	+	1.652E-18	3.1524E-17	0.296131	hyper	sig	chr8_144730092
chr10	1.32E+08	132037256	+	1.653E-18	3.1556E-17	0.238166	hyper	sig	chr10_132037256
chr6	72623235	72623235	+	1.654E-18	3.1571E-17	0.280705	hyper	sig	chr6_72623235
chr5	1.41E+08	141355205	+	1.655E-18	3.1591E-17	0.264191	hyper	sig	chr5_141355205
chr2	1.39E+08	138779671	+	1.657E-18	3.1614E-17	0.262199	hyper	sig	chr2_138779671
chr3	43997970	43997970	+	1.661E-18	3.1705E-17	0.250149	hyper	sig	chr3_43997970
chr11	62444332	62444332	+	1.663E-18	3.1735E-17	0.225086	hyper	sig	chr11_62444332
chr2	28495804	28495804	+	1.663E-18	3.174E-17	-0.23734	hypo	sig	chr2_28495804
chr7	31193269	31193269	+	1.664E-18	3.1753E-17	0.217001	hyper	sig	chr7_31193269
chr5	1657290	1657290	+	1.666E-18	3.1793E-17	-0.34199	hypo	sig	chr5_1657290
chr4	8371159	8371159	+	1.666E-18	3.1796E-17	0.222711	hyper	sig	chr4_8371159
chr19	1993040	1993040	+	1.67E-18	3.1856E-17	-0.31349	hypo	sig	chr19_1993040
chr6	28478692	28478692	+	1.67E-18	3.1862E-17	-0.26496	hypo	sig	chr6_28478692
chr6	1E+08	100457820	+	1.67E-18	3.1868E-17	0.288501	hyper	sig	chr6_100457820
chr17	73552485	73552485	+	1.673E-18	3.1911E-17	-0.29833	hypo	sig	chr17_73552485
chr3	1.54E+08	154428071	+	1.673E-18	3.1911E-17	0.317785	hyper	sig	chr3_154428071
chr17	66676070	66676070	+	1.673E-18	3.1914E-17	-0.2165	hypo	sig	chr17_66676070
chr11	1.25E+08	124843559	+	1.673E-18	3.1919E-17	0.335848	hyper	sig	chr11_124843559
chr2	1.15E+08	115163272	+	1.674E-18	3.1941E-17	0.219645	hyper	sig	chr2_115163272
chr19	49196659	49196659	+	1.677E-18	3.1983E-17	0.327749	hyper	sig	chr19_49196659
chr17	21452999	21452999	+	1.677E-18	3.1985E-17	0.273505	hyper	sig	chr17_21452999
chr4	1.21E+08	121380841	+	1.679E-18	3.202E-17	0.257414	hyper	sig	chr4_121380841
chr4	56681369	56681369	+	1.68E-18	3.2055E-17	-0.20157	hypo	sig	chr4_56681369
chr5	1.81E+08	181059619	+	1.681E-18	3.2061E-17	0.237744	hyper	sig	chr5_181059619
chr1	12167920	12167920	+	1.681E-18	3.2066E-17	-0.21315	hypo	sig	chr1_12167920

chr22	46085677	46085677	+	1.682E-18	3.2085E-17	-0.28217	hypo	sig	chr22_46085677
chr15	74133728	74133728	+	1.683E-18	3.2099E-17	0.335954	hyper	sig	chr15_74133728
chr3	1.4E+08	139934665	+	1.684E-18	3.2114E-17	0.20683	hyper	sig	chr3_139934665
chr4	84501270	84501270	+	1.685E-18	3.214E-17	0.223296	hyper	sig	chr4_84501270
chr7	1.58E+08	157592677	+	1.685E-18	3.2141E-17	-0.27716	hypo	sig	chr7_157592677
chr8	24915733	24915733	+	1.686E-18	3.2149E-17	0.239655	hyper	sig	chr8_24915733
chr17	35752700	35752700	+	1.686E-18	3.2155E-17	-0.27765	hypo	sig	chr17_35752700
chr1	2.09E+08	208739795	+	1.687E-18	3.2165E-17	-0.27876	hypo	sig	chr1_208739795
chr16	86284178	86284178	+	1.687E-18	3.2172E-17	-0.2867	hypo	sig	chr16_86284178
chr20	3240281	3240281	+	1.689E-18	3.2207E-17	0.24415	hyper	sig	chr20_3240281
chr3	49718931	49718931	+	1.69E-18	3.2223E-17	0.294066	hyper	sig	chr3_49718931
chr12	1.13E+08	113479590	+	1.69E-18	3.2225E-17	0.228284	hyper	sig	chr12_113479590
chr17	46244564	46244564	+	1.69E-18	3.2225E-17	-0.24983	hypo	sig	chr17_46244564
chr7	27110568	27110568	+	1.691E-18	3.2242E-17	0.402557	hyper	sig	chr7_27110568
chr7	1.08E+08	108455482	+	1.692E-18	3.2256E-17	0.249764	hyper	sig	chr7_108455482
chr1	2.28E+08	228321728	+	1.693E-18	3.2288E-17	-0.29239	hypo	sig	chr1_228321728
chr1	920106	920106	+	1.694E-18	3.2291E-17	-0.26043	hypo	sig	chr1_920106
chr13	1.12E+08	112053445	+	1.694E-18	3.23E-17	0.28516	hyper	sig	chr13_112053445
chr5	38557326	38557326	+	1.695E-18	3.2313E-17	0.230964	hyper	sig	chr5_38557326
chr16	66948770	66948770	+	1.696E-18	3.2342E-17	0.272201	hyper	sig	chr16_66948770
chr17	81941439	81941439	+	1.697E-18	3.235E-17	-0.31265	hypo	sig	chr17_81941439
chr8	66961205	66961205	+	1.698E-18	3.2364E-17	0.289447	hyper	sig	chr8_66961205
chr10	1.05E+08	104639173	+	1.7E-18	3.2405E-17	0.335591	hyper	sig	chr10_104639173
chr5	1.35E+08	135038981	+	1.7E-18	3.2412E-17	0.390891	hyper	sig	chr5_135038981
chr6	62285994	62285994	+	1.7E-18	3.2415E-17	0.314381	hyper	sig	chr6_62285994
chr16	1430050	1430050	+	1.701E-18	3.2433E-17	-0.37685	hypo	sig	chr16_1430050
chr5	1.72E+08	171668002	+	1.702E-18	3.2435E-17	0.308617	hyper	sig	chr5_171668002
chr5	1.41E+08	141345638	+	1.702E-18	3.2451E-17	0.281513	hyper	sig	chr5_141345638
chr2	2.32E+08	231661019	+	1.703E-18	3.2452E-17	-0.27311	hypo	sig	chr2_231661019
chr16	54290682	54290682	+	1.703E-18	3.2469E-17	0.354902	hyper	sig	chr16_54290682
chr4	80267216	80267216	+	1.705E-18	3.2501E-17	0.282344	hyper	sig	chr4_80267216
chr2	2.42E+08	242011559	+	1.706E-18	3.2509E-17	-0.27293	hypo	sig	chr2_242011559
chr12	51217123	51217123	+	1.706E-18	3.2518E-17	0.281686	hyper	sig	chr12_51217123
chr7	1.22E+08	122310510	+	1.707E-18	3.2538E-17	0.226485	hyper	sig	chr7_122310510
chr11	2213780	2213780	+	1.709E-18	3.2569E-17	-0.34785	hypo	sig	chr11_2213780
chr10	1.01E+08	100655554	+	1.709E-18	3.2575E-17	0.27836	hyper	sig	chr10_100655554
chr9	1.27E+08	127122266	+	1.709E-18	3.2575E-17	0.323317	hyper	sig	chr9_127122266
chr1	2.29E+08	229434086	+	1.71E-18	3.2587E-17	0.258258	hyper	sig	chr1_229434086
chr17	21397395	21397395	+	1.711E-18	3.2608E-17	0.328101	hyper	sig	chr17_21397395
chr8	54454953	54454953	+	1.712E-18	3.263E-17	0.216147	hyper	sig	chr8_54454953
chr6	1.6E+08	160090988	+	1.714E-18	3.2659E-17	-0.30365	hypo	sig	chr6_160090988
chr4	1.55E+08	154742572	+	1.714E-18	3.2664E-17	0.211622	hyper	sig	chr4_154742572
chr11	1237325	1237325	+	1.714E-18	3.2665E-17	-0.26567	hypo	sig	chr11_1237325
chr1	16008957	16008957	+	1.715E-18	3.267E-17	0.276346	hyper	sig	chr1_16008957
chr9	1.31E+08	130885484	+	1.715E-18	3.267E-17	0.274116	hyper	sig	chr9_130885484
chr14	1.01E+08	101049402	+	1.715E-18	3.2673E-17	-0.21614	hypo	sig	chr14_101049402
chr7	1.56E+08	155576524	+	1.717E-18	3.2715E-17	-0.27464	hypo	sig	chr7_155576524
chr11	16611151	16611151	+	1.718E-18	3.2737E-17	0.291335	hyper	sig	chr11_16611151
chr3	27728999	27728999	+	1.719E-18	3.2737E-17	0.221223	hyper	sig	chr3_27728999
chr5	43044870	43044870	+	1.72E-18	3.276E-17	0.253967	hyper	sig	chr5_43044870
chr13	1.1E+08	110306970	+	1.721E-18	3.2776E-17	0.306601	hyper	sig	chr13_110306970
chr11	61008700	61008700	+	1.721E-18	3.2782E-17	0.286531	hyper	sig	chr11_61008700
chr13	36674715	36674715	+	1.722E-18	3.2806E-17	0.242737	hyper	sig	chr13_36674715
chr21	36702188	36702188	+	1.722E-18	3.2806E-17	0.236147	hyper	sig	chr21_36702188
chr22	48902721	48902721	+	1.723E-18	3.2818E-17	-0.20874	hypo	sig	chr22_48902721
chr11	31805552	31805552	+	1.723E-18	3.2826E-17	0.270513	hyper	sig	chr11_31805552

chr19	31348661	31348661	+	1.726E-18	3.2869E-17	0.21229	hyper	sig	chr19_31348661
chr12	7665989	7665989	+	1.727E-18	3.2885E-17	-0.27826	hypo	sig	chr12_7665989
chr6	75208480	75208480	+	1.727E-18	3.2892E-17	-0.27475	hypo	sig	chr6_75208480
chr2	1.9E+08	190343296	+	1.727E-18	3.29E-17	-0.29838	hypo	sig	chr2_190343296
chr2	1.19E+08	119240496	+	1.728E-18	3.2915E-17	0.289634	hyper	sig	chr2_119240496
chr17	7855099	7855099	+	1.729E-18	3.2935E-17	0.253963	hyper	sig	chr17_7855099
chr14	99792885	99792885	+	1.729E-18	3.2935E-17	0.29737	hyper	sig	chr14_99792885
chr1	1963829	1963829	+	1.73E-18	3.2938E-17	-0.33342	hypo	sig	chr1_1963829
chr7	1.58E+08	157703261	+	1.731E-18	3.2954E-17	-0.24865	hypo	sig	chr7_157703261
chr12	34386756	34386756	+	1.731E-18	3.2959E-17	-0.37868	hypo	sig	chr12_34386756
chr1	2.36E+08	236155132	+	1.731E-18	3.2961E-17	-0.22093	hypo	sig	chr1_236155132
chr5	37839635	37839635	+	1.731E-18	3.2966E-17	0.267742	hyper	sig	chr5_37839635
chr17	81031128	81031128	+	1.732E-18	3.2976E-17	-0.23609	hypo	sig	chr17_81031128
chr20	46011650	46011650	+	1.733E-18	3.2987E-17	0.411082	hyper	sig	chr20_46011650
chr12	40224554	40224554	+	1.733E-18	3.2996E-17	0.203846	hyper	sig	chr12_40224554
chr1	5847464	5847464	+	1.733E-18	3.3E-17	0.270448	hyper	sig	chr1_5847464
chr12	1.14E+08	114439361	+	1.733E-18	3.3001E-17	0.26117	hyper	sig	chr12_114439361
chr16	2687219	2687219	+	1.734E-18	3.3014E-17	-0.24675	hypo	sig	chr16_2687219
chr2	2.22E+08	222289415	+	1.735E-18	3.3036E-17	0.241813	hyper	sig	chr2_222289415
chr6	1.63E+08	163100629	+	1.736E-18	3.3053E-17	-0.31089	hypo	sig	chr6_163100629
chr20	63341903	63341903	+	1.736E-18	3.3055E-17	-0.29754	hypo	sig	chr20_63341903
chr16	55656705	55656705	+	1.737E-18	3.3066E-17	0.29155	hyper	sig	chr16_55656705
chr12	80714255	80714255	+	1.739E-18	3.3094E-17	0.248672	hyper	sig	chr12_80714255
chr2	26456525	26456525	+	1.74E-18	3.3122E-17	-0.23043	hypo	sig	chr2_26456525
chr20	24949384	24949384	+	1.744E-18	3.3191E-17	-0.30112	hypo	sig	chr20_24949384
chr11	1.34E+08	134471523	+	1.744E-18	3.3197E-17	0.296467	hyper	sig	chr11_134471523
chr14	60652740	60652740	+	1.746E-18	3.3223E-17	0.256262	hyper	sig	chr14_60652740
chr8	1579874	1579874	+	1.746E-18	3.3225E-17	-0.2415	hypo	sig	chr8_1579874
chr20	38725105	38725105	+	1.747E-18	3.3254E-17	0.362282	hyper	sig	chr20_38725105
chr11	416427	416427	+	1.749E-18	3.3281E-17	-0.26748	hypo	sig	chr11_416427
chr6	27291227	27291227	+	1.749E-18	3.3293E-17	0.255536	hyper	sig	chr6_27291227
chr13	1.02E+08	102400116	+	1.751E-18	3.3331E-17	0.243428	hyper	sig	chr13_102400116
chr8	1.33E+08	133191061	+	1.751E-18	3.3331E-17	0.255972	hyper	sig	chr8_133191061
chr13	57631001	57631001	+	1.752E-18	3.3336E-17	0.342547	hyper	sig	chr13_57631001
chr7	91267221	91267221	+	1.752E-18	3.3341E-17	0.307691	hyper	sig	chr7_91267221
chr16	920310	920310	+	1.753E-18	3.3353E-17	0.297954	hyper	sig	chr16_920310
chr6	35787889	35787889	+	1.754E-18	3.3373E-17	-0.29756	hypo	sig	chr6_35787889
chr3	51955751	51955751	+	1.755E-18	3.3397E-17	0.27625	hyper	sig	chr3_51955751
chr2	2767890	2767890	+	1.755E-18	3.3402E-17	-0.28913	hypo	sig	chr2_2767890
chr5	140162	140162	+	1.756E-18	3.3402E-17	-0.3509	hypo	sig	chr5_140162
chr5	37835800	37835800	+	1.756E-18	3.3402E-17	0.271449	hyper	sig	chr5_37835800
chr5	1.35E+08	135028144	+	1.757E-18	3.3436E-17	0.352529	hyper	sig	chr5_135028144
chr7	96993290	96993290	+	1.758E-18	3.3442E-17	0.286121	hyper	sig	chr7_96993290
chr6	10385191	10385191	+	1.759E-18	3.3467E-17	0.360086	hyper	sig	chr6_10385191
chr4	664216	664216	+	1.761E-18	3.35E-17	0.24179	hyper	sig	chr4_664216
chr10	61897265	61897265	+	1.762E-18	3.3524E-17	-0.22264	hypo	sig	chr10_61897265
chr17	79925899	79925899	+	1.763E-18	3.3534E-17	-0.32189	hypo	sig	chr17_79925899
chr18	76460126	76460126	+	1.763E-18	3.3535E-17	0.289544	hyper	sig	chr18_76460126
chr5	1.41E+08	141421146	+	1.764E-18	3.3546E-17	0.281167	hyper	sig	chr5_141421146
chr3	1.28E+08	128492697	+	1.764E-18	3.3555E-17	0.313898	hyper	sig	chr3_128492697
chr2	1.3E+08	130005968	+	1.766E-18	3.3585E-17	0.236644	hyper	sig	chr2_130005968
chr16	57802920	57802920	+	1.769E-18	3.3652E-17	0.367959	hyper	sig	chr16_57802920
chr7	85186183	85186183	+	1.769E-18	3.3656E-17	0.288752	hyper	sig	chr7_85186183
chr1	2.34E+08	234234859	+	1.771E-18	3.3691E-17	-0.33051	hypo	sig	chr1_234234859
chr1	69569470	69569470	+	1.772E-18	3.3708E-17	0.296306	hyper	sig	chr1_69569470
chr5	93267694	93267694	+	1.773E-18	3.3714E-17	-0.25761	hypo	sig	chr5_93267694

chr13	1.13E+08	113422104	+	1.774E-18	3.3734E-17	0.277605	hyper	sig	chr13_113422104
chr7	2678588	2678588	+	1.774E-18	3.3739E-17	-0.25706	hypo	sig	chr7_2678588
chr3	1.13E+08	113441643	+	1.775E-18	3.375E-17	0.262002	hyper	sig	chr3_113441643
chr2	2.4E+08	239829439	+	1.776E-18	3.3765E-17	-0.34407	hypo	sig	chr2_239829439
chr7	64875282	64875282	+	1.777E-18	3.3798E-17	-0.3055	hypo	sig	chr7_64875282
chr19	55406824	55406824	+	1.778E-18	3.3803E-17	-0.26837	hypo	sig	chr19_55406824
chr2	2.2E+08	219553096	+	1.778E-18	3.3805E-17	0.242719	hyper	sig	chr2_219553096
chr7	2209313	2209313	+	1.778E-18	3.3812E-17	0.226792	hyper	sig	chr7_2209313
chr7	1.28E+08	128454656	+	1.779E-18	3.3832E-17	0.299937	hyper	sig	chr7_128454656
chr4	7655653	7655653	+	1.779E-18	3.3832E-17	-0.27153	hypo	sig	chr4_7655653
chr19	708631	708631	+	1.781E-18	3.3863E-17	0.350345	hyper	sig	chr19_708631
chr4	1.07E+08	107035780	+	1.781E-18	3.3864E-17	0.287696	hyper	sig	chr4_107035780
chr5	1.73E+08	173244686	+	1.781E-18	3.387E-17	0.368719	hyper	sig	chr5_173244686
chr2	2.19E+08	219448710	+	1.782E-18	3.3871E-17	0.34743	hyper	sig	chr2_219448710
chr13	27976263	27976263	+	1.782E-18	3.3875E-17	0.234752	hyper	sig	chr13_27976263
chr11	32439044	32439044	+	1.783E-18	3.3898E-17	0.234197	hyper	sig	chr11_32439044
chr9	1.09E+08	109014499	+	1.785E-18	3.3926E-17	0.279531	hyper	sig	chr9_109014499
chr12	1.32E+08	131618436	+	1.785E-18	3.3929E-17	0.241452	hyper	sig	chr12_131618436
chr9	1.36E+08	136199980	+	1.785E-18	3.3929E-17	0.29396	hyper	sig	chr9_136199980
chr16	29231058	29231058	+	1.785E-18	3.393E-17	0.242308	hyper	sig	chr16_29231058
chr15	85793441	85793441	+	1.785E-18	3.3934E-17	-0.28292	hypo	sig	chr15_85793441
chr5	1.41E+08	141393264	+	1.786E-18	3.394E-17	0.244086	hyper	sig	chr5_141393264
chr16	55656531	55656531	+	1.786E-18	3.3952E-17	0.238922	hyper	sig	chr16_55656531
chr4	4863175	4863175	+	1.786E-18	3.3952E-17	0.342229	hyper	sig	chr4_4863175
chr1	1.19E+08	119008673	+	1.787E-18	3.3973E-17	0.25	hyper	sig	chr1_119008673
chr6	29792333	29792333	+	1.788E-18	3.3985E-17	0.333314	hyper	sig	chr6_29792333
chr16	829145	829145	+	1.789E-18	3.4006E-17	-0.30106	hypo	sig	chr16_829145
chr2	1.33E+08	132668725	+	1.79E-18	3.4011E-17	0.301674	hyper	sig	chr2_132668725
chr3	62319387	62319387	+	1.79E-18	3.4015E-17	0.26758	hyper	sig	chr3_62319387
chr2	1.07E+08	106585772	+	1.791E-18	3.403E-17	-0.29994	hypo	sig	chr2_106585772
chr1	1.51E+08	150981237	+	1.791E-18	3.4033E-17	-0.22208	hypo	sig	chr1_150981237
chr13	1.14E+08	114115232	+	1.793E-18	3.4071E-17	-0.32459	hypo	sig	chr13_114115232
chr9	1.37E+08	136994738	+	1.794E-18	3.4086E-17	0.379115	hyper	sig	chr9_136994738
chr1	6472526	6472526	+	1.794E-18	3.4094E-17	-0.24766	hypo	sig	chr1_6472526
chr16	22813606	22813606	+	1.795E-18	3.4112E-17	0.325538	hyper	sig	chr16_22813606
chr13	1.13E+08	112874409	+	1.796E-18	3.4119E-17	0.30858	hyper	sig	chr13_112874409
chr11	32431156	32431156	+	1.797E-18	3.4152E-17	0.309612	hyper	sig	chr11_32431156
chr3	10108266	10108266	+	1.799E-18	3.4179E-17	0.217249	hyper	sig	chr3_10108266
chr6	1.49E+08	148560173	+	1.801E-18	3.4215E-17	0.212091	hyper	sig	chr6_148560173
chr2	2.19E+08	219418505	+	1.802E-18	3.4229E-17	0.288058	hyper	sig	chr2_219418505
chr12	49091179	49091179	+	1.802E-18	3.4237E-17	0.301032	hyper	sig	chr12_49091179
chr7	590906	590906	+	1.806E-18	3.4303E-17	0.244931	hyper	sig	chr7_590906
chr12	1.33E+08	132887093	+	1.807E-18	3.4327E-17	0.200023	hyper	sig	chr12_132887093
chr8	84185011	84185011	+	1.812E-18	3.4424E-17	0.267375	hyper	sig	chr8_84185011
chr13	20223483	20223483	+	1.812E-18	3.4426E-17	-0.23899	hypo	sig	chr13_20223483
chr4	1.74E+08	173528803	+	1.812E-18	3.4426E-17	0.301563	hyper	sig	chr4_173528803
chr11	642958	642958	+	1.814E-18	3.4462E-17	-0.27332	hypo	sig	chr11_642958
chr21	33025777	33025777	+	1.814E-18	3.4462E-17	0.368533	hyper	sig	chr21_33025777
chr6	26017426	26017426	+	1.815E-18	3.4471E-17	0.275199	hyper	sig	chr6_26017426
chr11	72616128	72616128	+	1.817E-18	3.4499E-17	-0.29712	hypo	sig	chr11_72616128
chr2	1.29E+08	128516764	+	1.818E-18	3.4517E-17	-0.30885	hypo	sig	chr2_128516764
chr1	1.98E+08	197910611	+	1.819E-18	3.454E-17	0.321396	hyper	sig	chr1_197910611
chr18	33440988	33440988	+	1.819E-18	3.455E-17	0.385784	hyper	sig	chr18_33440988
chr7	4214693	4214693	+	1.819E-18	3.455E-17	-0.30451	hypo	sig	chr7_4214693
chr10	1.01E+08	101227586	+	1.82E-18	3.4557E-17	0.246136	hyper	sig	chr10_101227586
chr12	1.07E+08	106585782	+	1.821E-18	3.4572E-17	0.27655	hyper	sig	chr12_106585782

chr20	21103736	21103736	+	1.821E-18	3.4579E-17	0.36352	hyper	sig	chr20_21103736
chr10	23174404	23174404	+	1.821E-18	3.4584E-17	0.235338	hyper	sig	chr10_23174404
chr17	53757558	53757558	+	1.822E-18	3.4587E-17	-0.30657	hypo	sig	chr17_53757558
chr2	88284040	88284040	+	1.822E-18	3.459E-17	0.305618	hyper	sig	chr2_88284040
chr12	1.08E+08	107670679	+	1.822E-18	3.4593E-17	-0.28624	hypo	sig	chr12_107670679
chr3	1.95E+08	194688091	+	1.822E-18	3.4597E-17	0.257893	hyper	sig	chr3_194688091
chr1	1.19E+08	118989081	+	1.824E-18	3.463E-17	0.319777	hyper	sig	chr1_118989081
chr12	1.08E+08	107775243	+	1.825E-18	3.4645E-17	0.275687	hyper	sig	chr12_107775243
chr2	1.05E+08	105391358	+	1.83E-18	3.4748E-17	-0.27775	hypo	sig	chr2_105391358
chr10	1.01E+08	100655599	+	1.831E-18	3.4753E-17	0.295879	hyper	sig	chr10_100655599
chr12	47078534	47078534	+	1.831E-18	3.476E-17	0.250764	hyper	sig	chr12_47078534
chr11	1.23E+08	122981678	+	1.831E-18	3.4765E-17	0.285061	hyper	sig	chr11_122981678
chr14	36659173	36659173	+	1.832E-18	3.4767E-17	0.257236	hyper	sig	chr14_36659173
chr12	53985297	53985297	+	1.833E-18	3.48E-17	0.340732	hyper	sig	chr12_53985297
chr1	16520866	16520866	+	1.834E-18	3.4804E-17	0.301359	hyper	sig	chr1_16520866
chr6	29828173	29828173	+	1.835E-18	3.4824E-17	0.204963	hyper	sig	chr6_29828173
chr19	53787859	53787859	+	1.835E-18	3.4832E-17	-0.26178	hypo	sig	chr19_53787859
chr1	3293897	3293897	+	1.838E-18	3.4878E-17	-0.26701	hypo	sig	chr1_3293897
chr1	24931282	24931282	+	1.84E-18	3.4919E-17	0.373365	hyper	sig	chr1_24931282
chr2	2.36E+08	236497293	+	1.841E-18	3.4937E-17	-0.28283	hypo	sig	chr2_236497293
chr5	16180301	16180301	+	1.841E-18	3.494E-17	0.331863	hyper	sig	chr5_16180301
chr10	99531221	99531221	+	1.841E-18	3.4942E-17	0.255304	hyper	sig	chr10_99531221
chr12	1.31E+08	131125293	+	1.841E-18	3.4943E-17	-0.24648	hypo	sig	chr12_131125293
chr12	1.29E+08	128854230	+	1.843E-18	3.4975E-17	0.25801	hyper	sig	chr12_128854230
chr2	2.19E+08	219418490	+	1.843E-18	3.4982E-17	0.282443	hyper	sig	chr2_219418490
chr19	48297410	48297410	+	1.844E-18	3.4983E-17	-0.27652	hypo	sig	chr19_48297410
chr13	57629733	57629733	+	1.845E-18	3.5002E-17	0.356566	hyper	sig	chr13_57629733
chr14	1.02E+08	101565089	+	1.845E-18	3.5013E-17	0.223493	hyper	sig	chr14_101565089
chr8	56113152	56113152	+	1.845E-18	3.5013E-17	0.292628	hyper	sig	chr8_56113152
chr5	601453	601453	+	1.846E-18	3.5027E-17	-0.27792	hypo	sig	chr5_601453
chr6	50714694	50714694	+	1.851E-18	3.5114E-17	0.209963	hyper	sig	chr6_50714694
chr6	1.38E+08	138429817	+	1.852E-18	3.5134E-17	0.316603	hyper	sig	chr6_138429817
chr3	1.29E+08	128507055	+	1.853E-18	3.5158E-17	-0.21913	hypo	sig	chr3_128507055
chr3	1.88E+08	187670302	+	1.854E-18	3.5164E-17	0.276772	hyper	sig	chr3_187670302
chr10	49322657	49322657	+	1.854E-18	3.5169E-17	-0.22434	hypo	sig	chr10_49322657
chr1	1.83E+08	183416766	+	1.854E-18	3.5171E-17	0.277787	hyper	sig	chr1_183416766
chr6	28770114	28770114	+	1.854E-18	3.5171E-17	0.284782	hyper	sig	chr6_28770114
chr5	1.29E+08	128965789	+	1.854E-18	3.5178E-17	0.308628	hyper	sig	chr5_128965789
chr14	1.01E+08	100910252	+	1.855E-18	3.5189E-17	-0.2865	hypo	sig	chr14_100910252
chr8	1931965	1931965	+	1.855E-18	3.5194E-17	-0.2736	hypo	sig	chr8_1931965
chr9	970297	970297	+	1.857E-18	3.5221E-17	0.306963	hyper	sig	chr9_970297
chr19	19262750	19262750	+	1.857E-18	3.5225E-17	0.402848	hyper	sig	chr19_19262750
chr15	34754975	34754975	+	1.858E-18	3.5251E-17	0.2157	hyper	sig	chr15_34754975
chr7	1.37E+08	136871065	+	1.859E-18	3.5261E-17	0.299127	hyper	sig	chr7_136871065
chr1	1.81E+08	181318629	+	1.859E-18	3.5268E-17	0.254575	hyper	sig	chr1_181318629
chr4	1.11E+08	110618305	+	1.86E-18	3.5269E-17	0.21467	hyper	sig	chr4_110618305
chr19	57709289	57709289	+	1.86E-18	3.5272E-17	0.249419	hyper	sig	chr19_57709289
chr11	2869525	2869525	+	1.86E-18	3.5277E-17	0.289874	hyper	sig	chr11_2869525
chr8	1.19E+08	119415570	+	1.861E-18	3.5296E-17	-0.27945	hypo	sig	chr8_119415570
chr1	18631597	18631597	+	1.862E-18	3.5306E-17	0.228504	hyper	sig	chr1_18631597
chr8	24914983	24914983	+	1.862E-18	3.5315E-17	0.215584	hyper	sig	chr8_24914983
chr7	838482	838482	+	1.864E-18	3.5354E-17	0.317732	hyper	sig	chr7_838482
chr8	47763510	47763510	+	1.865E-18	3.5359E-17	0.2775	hyper	sig	chr8_47763510
chr7	39410597	39410597	+	1.865E-18	3.5361E-17	-0.21495	hypo	sig	chr7_39410597
chr7	1.55E+08	155465682	+	1.867E-18	3.5392E-17	0.2637	hyper	sig	chr7_155465682
chr3	1.47E+08	147397131	+	1.867E-18	3.5397E-17	0.366305	hyper	sig	chr3_147397131

chr1	16535109	16535109	+	1.868E-18	3.5421E-17	0.216651	hyper	sig	chr1_16535109
chr17	76700625	76700625	+	1.868E-18	3.5422E-17	0.319641	hyper	sig	chr17_76700625
chr19	51719261	51719261	+	1.869E-18	3.5427E-17	0.384018	hyper	sig	chr19_51719261
chr4	55794294	55794294	+	1.869E-18	3.5436E-17	0.221609	hyper	sig	chr4_55794294
chr5	1.46E+08	146340517	+	1.869E-18	3.5436E-17	0.326549	hyper	sig	chr5_146340517
chr19	23471432	23471432	+	1.872E-18	3.5488E-17	0.213647	hyper	sig	chr19_23471432
chr8	64578344	64578344	+	1.872E-18	3.549E-17	0.212362	hyper	sig	chr8_64578344
chr18	46760231	46760231	+	1.874E-18	3.5519E-17	-0.25448	hypo	sig	chr18_46760231
chr9	1.1E+08	110208211	+	1.874E-18	3.5525E-17	-0.24669	hypo	sig	chr9_110208211
chr19	45385897	45385897	+	1.877E-18	3.5582E-17	0.307043	hyper	sig	chr19_45385897
chr1	24535341	24535341	+	1.878E-18	3.559E-17	-0.23093	hypo	sig	chr1_24535341
chr17	21377381	21377381	+	1.882E-18	3.5668E-17	0.252254	hyper	sig	chr17_21377381
chr2	1.75E+08	174730089	+	1.882E-18	3.5678E-17	0.260948	hyper	sig	chr2_174730089
chr14	1.01E+08	101364730	+	1.883E-18	3.5686E-17	0.279448	hyper	sig	chr14_101364730
chr12	57236511	57236511	+	1.886E-18	3.5738E-17	0.306415	hyper	sig	chr12_57236511
chr12	78864658	78864658	+	1.886E-18	3.5748E-17	0.219409	hyper	sig	chr12_78864658
chr6	41747623	41747623	+	1.889E-18	3.5794E-17	-0.2299	hypo	sig	chr6_41747623
chr6	1.33E+08	133242725	+	1.889E-18	3.58E-17	0.283461	hyper	sig	chr6_133242725
chr6	1.49E+08	148560325	+	1.891E-18	3.5838E-17	0.225909	hyper	sig	chr6_148560325
chr3	13019397	13019397	+	1.891E-18	3.5845E-17	0.277247	hyper	sig	chr3_13019397
chr16	57667543	57667543	+	1.892E-18	3.5848E-17	-0.28405	hypo	sig	chr16_57667543
chr19	5037185	5037185	+	1.892E-18	3.5848E-17	0.281663	hyper	sig	chr19_5037185
chr10	93497201	93497201	+	1.893E-18	3.5867E-17	-0.26203	hypo	sig	chr10_93497201
chr12	98895557	98895557	+	1.895E-18	3.5904E-17	0.349181	hyper	sig	chr12_98895557
chr18	47251865	47251865	+	1.895E-18	3.5909E-17	0.238188	hyper	sig	chr18_47251865
chr15	89367923	89367923	+	1.895E-18	3.5913E-17	0.275471	hyper	sig	chr15_89367923
chr1	27006754	27006754	+	1.897E-18	3.5943E-17	0.230496	hyper	sig	chr1_27006754
chr10	326959	326959	+	1.897E-18	3.5943E-17	0.222912	hyper	sig	chr10_326959
chr20	62709452	62709452	+	1.898E-18	3.5964E-17	0.287776	hyper	sig	chr20_62709452
chr1	2.05E+08	205456113	+	1.9E-18	3.6002E-17	0.223125	hyper	sig	chr1_205456113
chr4	65669895	65669895	+	1.903E-18	3.606E-17	0.210572	hyper	sig	chr4_65669895
chr14	91352159	91352159	+	1.904E-18	3.607E-17	0.269265	hyper	sig	chr14_91352159
chr13	1.13E+08	113130124	+	1.905E-18	3.6086E-17	0.331928	hyper	sig	chr13_113130124
chr16	3192693	3192693	+	1.905E-18	3.609E-17	0.322774	hyper	sig	chr16_3192693
chr1	1128469	1128469	+	1.906E-18	3.6096E-17	-0.31892	hypo	sig	chr1_1128469
chr8	26048582	26048582	+	1.906E-18	3.6101E-17	0.229326	hyper	sig	chr8_26048582
chr2	52629416	52629416	+	1.907E-18	3.612E-17	-0.26522	hypo	sig	chr2_52629416
chr5	1.41E+08	141372282	+	1.908E-18	3.6145E-17	0.27514	hyper	sig	chr5_141372282
chr20	51558950	51558950	+	1.91E-18	3.618E-17	-0.24368	hypo	sig	chr20_51558950
chr22	16601089	16601089	+	1.911E-18	3.6189E-17	0.272313	hyper	sig	chr22_16601089
chr6	41239661	41239661	+	1.911E-18	3.6196E-17	0.279154	hyper	sig	chr6_41239661
chr7	1246646	1246646	+	1.912E-18	3.6216E-17	0.261695	hyper	sig	chr7_1246646
chr8	71558512	71558512	+	1.912E-18	3.6216E-17	0.273129	hyper	sig	chr8_71558512
chr1	92029365	92029365	+	1.914E-18	3.6242E-17	-0.23332	hypo	sig	chr1_92029365
chr22	17564055	17564055	+	1.916E-18	3.6277E-17	0.287393	hyper	sig	chr22_17564055
chr5	1.35E+08	135038727	+	1.917E-18	3.6306E-17	0.264414	hyper	sig	chr5_135038727
chr6	50708059	50708059	+	1.918E-18	3.631E-17	0.320837	hyper	sig	chr6_50708059
chr8	11517245	11517245	+	1.918E-18	3.6311E-17	-0.33857	hypo	sig	chr8_11517245
chr5	1.69E+08	169301230	+	1.921E-18	3.6368E-17	0.346984	hyper	sig	chr5_169301230
chr2	1.61E+08	161417125	+	1.923E-18	3.6403E-17	0.263068	hyper	sig	chr2_161417125
chr12	1.22E+08	121538928	+	1.924E-18	3.6424E-17	-0.29469	hypo	sig	chr12_121538928
chr7	97021880	97021880	+	1.926E-18	3.6456E-17	0.380673	hyper	sig	chr7_97021880
chr7	27145942	27145942	+	1.926E-18	3.6462E-17	0.310368	hyper	sig	chr7_27145942
chr16	54288433	54288433	+	1.926E-18	3.6467E-17	0.328779	hyper	sig	chr16_54288433
chr1	3275005	3275005	+	1.927E-18	3.6481E-17	-0.25465	hypo	sig	chr1_3275005
chr1	1.44E+08	143699327	+	1.928E-18	3.6489E-17	0.269705	hyper	sig	chr1_143699327

chr19	5250484	5250484	+	1.928E-18	3.6489E-17	-0.27702	hypo	sig	chr19_5250484
chr10	1.33E+08	133215201	+	1.928E-18	3.6498E-17	-0.35716	hypo	sig	chr10_133215201
chr12	10009702	10009702	+	1.928E-18	3.65E-17	-0.24643	hypo	sig	chr12_10009702
chr14	20633606	20633606	+	1.931E-18	3.6543E-17	0.259521	hyper	sig	chr14_20633606
chr16	11121494	11121494	+	1.931E-18	3.6547E-17	0.206657	hyper	sig	chr16_11121494
chr1	1.1E+08	110151324	+	1.931E-18	3.6548E-17	0.236952	hyper	sig	chr1_110151324
chr10	68561817	68561817	+	1.931E-18	3.6548E-17	0.294608	hyper	sig	chr10_68561817
chr10	48745960	48745960	+	1.932E-18	3.6559E-17	0.217353	hyper	sig	chr10_48745960
chr1	2E+08	200035064	+	1.932E-18	3.656E-17	0.221477	hyper	sig	chr1_200035064
chr1	38044459	38044459	+	1.933E-18	3.6576E-17	0.279188	hyper	sig	chr1_38044459
chr1	2.26E+08	225835926	+	1.933E-18	3.6582E-17	0.208653	hyper	sig	chr1_225835926
chr19	33684552	33684552	+	1.934E-18	3.6598E-17	0.20565	hyper	sig	chr19_33684552
chr1	2237968	2237968	+	1.934E-18	3.6601E-17	0.283853	hyper	sig	chr1_2237968
chr5	77178848	77178848	+	1.935E-18	3.6609E-17	-0.22911	hypo	sig	chr5_77178848
chr17	55561557	55561557	+	1.936E-18	3.6628E-17	-0.33691	hypo	sig	chr17_55561557
chr12	4910145	4910145	+	1.937E-18	3.6658E-17	0.352883	hyper	sig	chr12_4910145
chr7	1.59E+08	159143846	+	1.94E-18	3.6703E-17	0.304423	hyper	sig	chr7_159143846
chr19	39415254	39415254	+	1.947E-18	3.6841E-17	0.331023	hyper	sig	chr19_39415254
chr20	21608525	21608525	+	1.947E-18	3.6841E-17	-0.40208	hypo	sig	chr20_21608525
chr22	50578574	50578574	+	1.948E-18	3.6856E-17	0.290588	hyper	sig	chr22_50578574
chr11	2825702	2825702	+	1.951E-18	3.6906E-17	0.256432	hyper	sig	chr11_2825702
chr4	7782137	7782137	+	1.952E-18	3.6922E-17	0.31372	hyper	sig	chr4_7782137
chr3	42686329	42686329	+	1.955E-18	3.698E-17	0.329425	hyper	sig	chr3_42686329
chr9	1.27E+08	126625053	+	1.956E-18	3.7012E-17	0.223665	hyper	sig	chr9_126625053
chr8	67952317	67952317	+	1.957E-18	3.7015E-17	0.362453	hyper	sig	chr8_67952317
chr16	84795361	84795361	+	1.958E-18	3.704E-17	0.239691	hyper	sig	chr16_84795361
chr14	56797275	56797275	+	1.958E-18	3.7044E-17	0.291659	hyper	sig	chr14_56797275
chr20	21702863	21702863	+	1.959E-18	3.7061E-17	0.310885	hyper	sig	chr20_21702863
chr2	47571981	47571981	+	1.96E-18	3.7081E-17	0.230416	hyper	sig	chr2_47571981
chr5	1.26E+08	126465086	+	1.961E-18	3.7092E-17	-0.28859	hypo	sig	chr5_126465086
chr10	93063484	93063484	+	1.962E-18	3.7119E-17	0.282125	hyper	sig	chr10_93063484
chr20	9515901	9515901	+	1.963E-18	3.7129E-17	0.293182	hyper	sig	chr20_9515901
chr6	1.68E+08	168411892	+	1.964E-18	3.7141E-17	-0.22736	hypo	sig	chr6_168411892
chr3	1.29E+08	128865676	+	1.965E-18	3.7163E-17	0.238216	hyper	sig	chr3_128865676
chr3	1.65E+08	165197208	+	1.966E-18	3.7174E-17	0.231473	hyper	sig	chr3_165197208
chr1	77282686	77282686	+	1.966E-18	3.718E-17	0.231014	hyper	sig	chr1_77282686
chr14	60511461	60511461	+	1.967E-18	3.7196E-17	0.202976	hyper	sig	chr14_60511461
chr19	3721327	3721327	+	1.967E-18	3.7202E-17	-0.29326	hypo	sig	chr19_3721327
chr12	1.13E+08	113472753	+	1.969E-18	3.723E-17	0.306843	hyper	sig	chr12_113472753
chr20	21103782	21103782	+	1.969E-18	3.7234E-17	0.284459	hyper	sig	chr20_21103782
chr15	28097058	28097058	+	1.971E-18	3.7272E-17	0.210542	hyper	sig	chr15_28097058
chr2	1.13E+08	113275910	+	1.972E-18	3.7291E-17	0.271152	hyper	sig	chr2_113275910
chr19	9362922	9362922	+	1.973E-18	3.7313E-17	0.250895	hyper	sig	chr19_9362922
chr16	1941446	1941446	+	1.974E-18	3.7316E-17	-0.25281	hypo	sig	chr16_1941446
chr12	98895566	98895566	+	1.974E-18	3.7325E-17	0.369485	hyper	sig	chr12_98895566
chr15	45645613	45645613	+	1.974E-18	3.7325E-17	-0.2701	hypo	sig	chr15_45645613
chr19	696946	696946	+	1.977E-18	3.7372E-17	-0.26905	hypo	sig	chr19_696946
chr6	1.51E+08	150599349	+	1.978E-18	3.7391E-17	-0.21076	hypo	sig	chr6_150599349
chr8	52939722	52939722	+	1.978E-18	3.7391E-17	0.378836	hyper	sig	chr8_52939722
chr10	49322674	49322674	+	1.978E-18	3.7402E-17	-0.23341	hypo	sig	chr10_49322674
chr5	1.59E+08	159105326	+	1.978E-18	3.7402E-17	0.272696	hyper	sig	chr5_159105326
chr2	1.05E+08	105144432	+	1.981E-18	3.7443E-17	0.253271	hyper	sig	chr2_105144432
chr9	1.23E+08	123115735	+	1.983E-18	3.7478E-17	0.249483	hyper	sig	chr9_123115735
chr3	1.31E+08	130517688	+	1.983E-18	3.748E-17	0.378754	hyper	sig	chr3_130517688
chr3	1.47E+08	147407285	+	1.984E-18	3.7496E-17	0.238483	hyper	sig	chr3_147407285
chr2	2.32E+08	232351443	+	1.984E-18	3.75E-17	0.239318	hyper	sig	chr2_232351443

chr12	53961706	53961706	+	1.985E-18	3.752E-17	0.294277	hyper	sig	chr12_53961706
chr16	90000361	90000361	+	1.986E-18	3.7546E-17	-0.28073	hypo	sig	chr16_90000361
chr1	75130332	75130332	+	1.987E-18	3.7548E-17	0.260451	hyper	sig	chr1_75130332
chr12	1.3E+08	130339401	+	1.988E-18	3.7573E-17	0.324472	hyper	sig	chr12_130339401
chr12	1.07E+08	106600160	+	1.988E-18	3.7584E-17	-0.26705	hypo	sig	chr12_106600160
chr16	2184022	2184022	+	1.989E-18	3.7593E-17	-0.29137	hypo	sig	chr16_2184022
chr1	9026526	9026526	+	1.99E-18	3.7612E-17	-0.24281	hypo	sig	chr1_9026526
chr7	1.29E+08	129188929	+	1.991E-18	3.7637E-17	0.219403	hyper	sig	chr7_129188929
chr20	9516245	9516245	+	1.993E-18	3.7672E-17	0.287496	hyper	sig	chr20_9516245
chr12	6635927	6635927	+	1.994E-18	3.7677E-17	-0.26808	hypo	sig	chr12_6635927
chr2	96762232	96762232	+	1.995E-18	3.7707E-17	-0.24641	hypo	sig	chr2_96762232
chr19	8210149	8210149	+	1.996E-18	3.7717E-17	0.363277	hyper	sig	chr19_8210149
chr10	69569321	69569321	+	2.001E-18	3.7821E-17	0.361524	hyper	sig	chr10_69569321
chr11	65048246	65048246	+	2.002E-18	3.7837E-17	0.308503	hyper	sig	chr11_65048246
chr6	29828194	29828194	+	2.002E-18	3.7839E-17	0.209042	hyper	sig	chr6_29828194
chr7	1.58E+08	157668685	+	2.003E-18	3.784E-17	0.242802	hyper	sig	chr7_157668685
chr17	48571218	48571218	+	2.003E-18	3.784E-17	0.228674	hyper	sig	chr17_48571218
chr16	46573763	46573763	+	2.004E-18	3.786E-17	-0.35918	hypo	sig	chr16_46573763
chr5	1.41E+08	141355186	+	2.004E-18	3.7868E-17	0.254531	hyper	sig	chr5_141355186
chr10	1.3E+08	129793392	+	2.005E-18	3.7875E-17	-0.23459	hypo	sig	chr10_129793392
chr6	1.07E+08	106509622	+	2.006E-18	3.7893E-17	0.297858	hyper	sig	chr6_106509622
chr8	54459953	54459953	+	2.007E-18	3.7927E-17	0.302544	hyper	sig	chr8_54459953
chr6	1.64E+08	163640576	+	2.009E-18	3.7956E-17	-0.28106	hypo	sig	chr6_163640576
chr2	2.17E+08	216665600	+	2.01E-18	3.7967E-17	0.256747	hyper	sig	chr2_216665600
chr5	1106966	1106966	+	2.011E-18	3.7985E-17	-0.31394	hypo	sig	chr5_1106966
chr9	1.32E+08	131669243	+	2.012E-18	3.8001E-17	0.312128	hyper	sig	chr9_131669243
chr1	10415261	10415261	+	2.013E-18	3.803E-17	-0.31139	hypo	sig	chr1_10415261
chr1	1.57E+08	156845109	+	2.014E-18	3.8036E-17	0.305614	hyper	sig	chr1_156845109
chr10	69570594	69570594	+	2.014E-18	3.8043E-17	0.252676	hyper	sig	chr10_69570594
chr10	625053	625053	+	2.016E-18	3.8085E-17	0.255692	hyper	sig	chr10_625053
chr12	1.32E+08	131617626	+	2.017E-18	3.8103E-17	-0.35116	hypo	sig	chr12_131617626
chr17	7651327	7651327	+	2.021E-18	3.8165E-17	0.207101	hyper	sig	chr17_7651327
chr11	1.18E+08	117872850	+	2.023E-18	3.8202E-17	0.33015	hyper	sig	chr11_117872850
chr11	32426521	32426521	+	2.023E-18	3.8206E-17	0.335294	hyper	sig	chr11_32426521
chr4	1.33E+08	133148369	+	2.024E-18	3.8223E-17	0.27361	hyper	sig	chr4_133148369
chr11	66559259	66559259	+	2.024E-18	3.8227E-17	0.264439	hyper	sig	chr11_66559259
chr19	13001941	13001941	+	2.029E-18	3.8324E-17	0.326858	hyper	sig	chr19_13001941
chr2	2.39E+08	239312909	+	2.03E-18	3.8329E-17	0.252344	hyper	sig	chr2_239312909
chr16	29182057	29182057	+	2.031E-18	3.8353E-17	-0.27977	hypo	sig	chr16_29182057
chr5	1.41E+08	141485071	+	2.031E-18	3.8353E-17	0.320671	hyper	sig	chr5_141485071
chr11	1.16E+08	116345492	+	2.031E-18	3.8356E-17	-0.33273	hypo	sig	chr11_116345492
chr10	23172388	23172388	+	2.031E-18	3.8357E-17	0.358679	hyper	sig	chr10_23172388
chr17	74366163	74366163	+	2.032E-18	3.8373E-17	-0.29929	hypo	sig	chr17_74366163
chr10	1.33E+08	133081559	+	2.032E-18	3.8378E-17	-0.3394	hypo	sig	chr10_133081559
chr12	6553464	6553464	+	2.033E-18	3.838E-17	0.253904	hyper	sig	chr12_6553464
chr8	24914657	24914657	+	2.033E-18	3.8385E-17	0.258816	hyper	sig	chr8_24914657
chr5	50969839	50969839	+	2.035E-18	3.843E-17	0.267223	hyper	sig	chr5_50969839
chr19	2588553	2588553	+	2.036E-18	3.844E-17	-0.21088	hypo	sig	chr19_2588553
chr1	1.77E+08	177171482	+	2.039E-18	3.8505E-17	0.296815	hyper	sig	chr1_177171482
chr4	6194651	6194651	+	2.04E-18	3.8515E-17	-0.29749	hypo	sig	chr4_6194651
chr1	1.22E+08	121519726	+	2.041E-18	3.8532E-17	0.250831	hyper	sig	chr1_121519726
chr12	40693001	40693001	+	2.042E-18	3.8548E-17	0.290976	hyper	sig	chr12_40693001
chr8	1.44E+08	144327498	+	2.042E-18	3.8548E-17	0.213222	hyper	sig	chr8_144327498
chr16	12803048	12803048	+	2.045E-18	3.8608E-17	-0.27644	hypo	sig	chr16_12803048
chr5	37839703	37839703	+	2.046E-18	3.8615E-17	0.249493	hyper	sig	chr5_37839703
chr5	1.41E+08	141236821	+	2.047E-18	3.8632E-17	0.299742	hyper	sig	chr5_141236821

chr2	1.2E+08	119526810	+	2.048E-18	3.865E-17	-0.28811	hypo	sig	chr2_119526810
chr2	2.18E+08	218368821	+	2.048E-18	3.8664E-17	0.361986	hyper	sig	chr2_218368821
chr19	58033800	58033800	+	2.049E-18	3.8679E-17	0.33693	hyper	sig	chr19_58033800
chr20	24470069	24470069	+	2.05E-18	3.869E-17	0.282686	hyper	sig	chr20_24470069
chr1	1.83E+08	183416953	+	2.051E-18	3.8704E-17	0.247527	hyper	sig	chr1_183416953
chr7	1E+08	100177799	+	2.051E-18	3.8706E-17	0.265977	hyper	sig	chr7_100177799
chr1	2.03E+08	203027056	+	2.052E-18	3.8721E-17	0.261047	hyper	sig	chr1_203027056
chr6	1.05E+08	104940384	+	2.053E-18	3.8751E-17	0.331315	hyper	sig	chr6_104940384
chr15	90004811	90004811	+	2.054E-18	3.8764E-17	-0.23321	hypo	sig	chr15_90004811
chr10	13891597	13891597	+	2.054E-18	3.8768E-17	0.265919	hyper	sig	chr10_13891597
chr1	2328467	2328467	+	2.055E-18	3.8784E-17	-0.2837	hypo	sig	chr1_2328467
chr7	928846	928846	+	2.058E-18	3.8836E-17	0.237558	hyper	sig	chr7_928846
chr2	1.31E+08	130964676	+	2.06E-18	3.8878E-17	0.209491	hyper	sig	chr2_130964676
chr2	25167555	25167555	+	2.061E-18	3.8892E-17	0.356177	hyper	sig	chr2_25167555
chr19	57583696	57583696	+	2.062E-18	3.8906E-17	0.330984	hyper	sig	chr19_57583696
chr3	1.2E+08	119810372	+	2.062E-18	3.8911E-17	0.253442	hyper	sig	chr3_119810372
chr1	32765747	32765747	+	2.063E-18	3.8925E-17	0.349918	hyper	sig	chr1_32765747
chr8	40897646	40897646	+	2.063E-18	3.8925E-17	0.260622	hyper	sig	chr8_40897646
chr5	83473097	83473097	+	2.063E-18	3.8929E-17	0.206448	hyper	sig	chr5_83473097
chr19	5250475	5250475	+	2.064E-18	3.895E-17	-0.2972	hypo	sig	chr19_5250475
chr10	1.33E+08	132915882	+	2.065E-18	3.8962E-17	-0.31133	hypo	sig	chr10_132915882
chr7	1.51E+08	151412557	+	2.066E-18	3.8976E-17	-0.26645	hypo	sig	chr7_151412557
chr14	1.07E+08	106844434	+	2.068E-18	3.9008E-17	-0.23507	hypo	sig	chr14_106844434
chr11	65607616	65607616	+	2.068E-18	3.9021E-17	0.274925	hyper	sig	chr11_65607616
chr19	50635774	50635774	+	2.069E-18	3.9024E-17	-0.35801	hypo	sig	chr19_50635774
chr7	1411100	1411100	+	2.069E-18	3.9026E-17	-0.27435	hypo	sig	chr7_1411100
chr12	55712192	55712192	+	2.07E-18	3.9051E-17	0.31311	hyper	sig	chr12_55712192
chr8	39978488	39978488	+	2.071E-18	3.9068E-17	0.267302	hyper	sig	chr8_39978488
chr14	1E+08	100297358	+	2.073E-18	3.9104E-17	0.330656	hyper	sig	chr14_100297358
chr8	51809380	51809380	+	2.075E-18	3.9147E-17	0.317736	hyper	sig	chr8_51809380
chr7	73424427	73424427	+	2.076E-18	3.9151E-17	0.287552	hyper	sig	chr7_73424427
chr16	68733832	68733832	+	2.076E-18	3.9157E-17	-0.29752	hypo	sig	chr16_68733832
chr5	1291036	1291036	+	2.078E-18	3.9205E-17	-0.3414	hypo	sig	chr5_1291036
chr11	8266542	8266542	+	2.079E-18	3.9216E-17	-0.33854	hypo	sig	chr11_8266542
chr7	1.28E+08	128454789	+	2.084E-18	3.9304E-17	0.300143	hyper	sig	chr7_128454789
chr8	1.08E+08	108083054	+	2.089E-18	3.9394E-17	0.305227	hyper	sig	chr8_108083054
chr15	24878307	24878307	+	2.089E-18	3.9401E-17	0.317245	hyper	sig	chr15_24878307
chr9	34375741	34375741	+	2.095E-18	3.9511E-17	-0.28634	hypo	sig	chr9_34375741
chr17	4745332	4745332	+	2.097E-18	3.9547E-17	0.347108	hyper	sig	chr17_4745332
chr3	6862914	6862914	+	2.099E-18	3.9574E-17	0.342917	hyper	sig	chr3_6862914
chr5	73420155	73420155	+	2.1E-18	3.9595E-17	0.239135	hyper	sig	chr5_73420155
chr6	12749128	12749128	+	2.1E-18	3.9598E-17	0.272029	hyper	sig	chr6_12749128
chr2	1.2E+08	119524640	+	2.101E-18	3.9616E-17	0.315344	hyper	sig	chr2_119524640
chr3	1.47E+08	147391805	+	2.101E-18	3.9617E-17	0.309997	hyper	sig	chr3_147391805
chr11	61680740	61680740	+	2.101E-18	3.962E-17	-0.29962	hypo	sig	chr11_61680740
chr4	1.84E+08	184453652	+	2.102E-18	3.9624E-17	0.216941	hyper	sig	chr4_184453652
chr2	1.49E+08	148888305	+	2.102E-18	3.9627E-17	0.222088	hyper	sig	chr2_148888305
chr5	1.78E+08	177984744	+	2.103E-18	3.965E-17	0.23039	hyper	sig	chr5_177984744
chr3	31981979	31981979	+	2.104E-18	3.9659E-17	-0.25192	hypo	sig	chr3_31981979
chr1	1.61E+08	161079815	+	2.105E-18	3.968E-17	0.245754	hyper	sig	chr1_161079815
chr1	2073538	2073538	+	2.105E-18	3.9684E-17	0.269807	hyper	sig	chr1_2073538
chr16	29318080	29318080	+	2.106E-18	3.9703E-17	-0.20358	hypo	sig	chr16_29318080
chr6	10881781	10881781	+	2.107E-18	3.9718E-17	0.269648	hyper	sig	chr6_10881781
chr15	89377637	89377637	+	2.107E-18	3.9722E-17	0.244465	hyper	sig	chr15_89377637
chr12	39145692	39145692	+	2.109E-18	3.9755E-17	0.234656	hyper	sig	chr12_39145692
chr11	1392052	1392052	+	2.109E-18	3.976E-17	-0.28783	hypo	sig	chr11_1392052

chr19	3569038	3569038	+	2.115E-18	3.9863E-17	-0.22968	hypo	sig	chr19_3569038
chr20	56925968	56925968	+	2.115E-18	3.9875E-17	0.317387	hyper	sig	chr20_56925968
chr4	5710854	5710854	+	2.116E-18	3.9891E-17	0.333732	hyper	sig	chr4_5710854
chr11	15114959	15114959	+	2.118E-18	3.9916E-17	0.281427	hyper	sig	chr11_15114959
chr11	69296072	69296072	+	2.121E-18	3.9976E-17	-0.30986	hypo	sig	chr11_69296072
chr5	1.77E+08	177116959	+	2.122E-18	3.9997E-17	0.235963	hyper	sig	chr5_177116959
chr6	436608	436608	+	2.123E-18	4.0015E-17	-0.29355	hypo	sig	chr6_436608
chr12	1.13E+08	113469303	+	2.124E-18	4.002E-17	0.229355	hyper	sig	chr12_113469303
chr6	32098113	32098113	+	2.124E-18	4.0027E-17	-0.36598	hypo	sig	chr6_32098113
chr1	1.71E+08	170660405	+	2.125E-18	4.0039E-17	0.276259	hyper	sig	chr1_170660405
chr1	1.62E+08	161621372	+	2.127E-18	4.0078E-17	0.251317	hyper	sig	chr1_161621372
chr13	1.1E+08	110309527	+	2.129E-18	4.0113E-17	0.291748	hyper	sig	chr13_110309527
chr11	57637910	57637910	+	2.129E-18	4.0114E-17	0.340949	hyper	sig	chr11_57637910
chr19	50695667	50695667	+	2.129E-18	4.0114E-17	0.27219	hyper	sig	chr19_50695667
chr2	70907526	70907526	+	2.13E-18	4.0127E-17	0.21075	hyper	sig	chr2_70907526
chr8	71844419	71844419	+	2.131E-18	4.0148E-17	0.289345	hyper	sig	chr8_71844419
chr20	50637081	50637081	+	2.131E-18	4.016E-17	0.240267	hyper	sig	chr20_50637081
chr2	63056852	63056852	+	2.134E-18	4.0199E-17	0.255607	hyper	sig	chr2_63056852
chr5	1.41E+08	141156604	+	2.134E-18	4.0213E-17	0.242814	hyper	sig	chr5_141156604
chr7	15685476	15685476	+	2.135E-18	4.0232E-17	0.243136	hyper	sig	chr7_15685476
chr5	1.13E+08	112892972	+	2.136E-18	4.0244E-17	0.29302	hyper	sig	chr5_112892972
chr13	94712348	94712348	+	2.136E-18	4.0249E-17	0.252306	hyper	sig	chr13_94712348
chr11	65607720	65607720	+	2.139E-18	4.029E-17	0.255953	hyper	sig	chr11_65607720
chr1	2.47E+08	246788960	+	2.139E-18	4.0304E-17	0.30602	hyper	sig	chr1_246788960
chr5	1.41E+08	141431560	+	2.141E-18	4.0333E-17	0.314127	hyper	sig	chr5_141431560
chr20	64062618	64062618	+	2.143E-18	4.0363E-17	0.271021	hyper	sig	chr20_64062618
chr5	2112040	2112040	+	2.143E-18	4.0371E-17	-0.26863	hypo	sig	chr5_2112040
chr3	1.4E+08	139540030	+	2.144E-18	4.0392E-17	0.231652	hyper	sig	chr3_139540030
chr13	99989127	99989127	+	2.145E-18	4.0395E-17	0.204898	hyper	sig	chr13_99989127
chr11	78646655	78646655	+	2.147E-18	4.0436E-17	-0.22829	hypo	sig	chr11_78646655
chr1	1.1E+08	110069061	+	2.147E-18	4.0436E-17	0.218716	hyper	sig	chr1_110069061
chr2	2.39E+08	239498897	+	2.147E-18	4.0444E-17	-0.29575	hypo	sig	chr2_239498897
chr1	85583218	85583218	+	2.151E-18	4.0512E-17	0.243798	hyper	sig	chr1_85583218
chr3	1.72E+08	172448080	+	2.151E-18	4.0519E-17	0.341827	hyper	sig	chr3_172448080
chr12	64826556	64826556	+	2.153E-18	4.0544E-17	0.229797	hyper	sig	chr12_64826556
chr6	1.68E+08	167678197	+	2.153E-18	4.0544E-17	0.292395	hyper	sig	chr6_167678197
chr2	85134839	85134839	+	2.154E-18	4.0567E-17	0.269686	hyper	sig	chr2_85134839
chr17	39917813	39917813	+	2.155E-18	4.0577E-17	-0.20715	hypo	sig	chr17_39917813
chr18	75455512	75455512	+	2.157E-18	4.0617E-17	0.261576	hyper	sig	chr18_75455512
chr4	20253641	20253641	+	2.157E-18	4.0625E-17	0.232179	hyper	sig	chr4_20253641
chr14	60511541	60511541	+	2.161E-18	4.0688E-17	0.224335	hyper	sig	chr14_60511541
chr2	72140635	72140635	+	2.162E-18	4.0707E-17	-0.33576	hypo	sig	chr2_72140635
chr4	1.67E+08	167234113	+	2.162E-18	4.0714E-17	0.224116	hyper	sig	chr4_167234113
chr14	36654822	36654822	+	2.162E-18	4.0714E-17	0.25639	hyper	sig	chr14_36654822
chr2	2.4E+08	240290959	+	2.164E-18	4.0739E-17	-0.25686	hypo	sig	chr2_240290959
chr13	45851542	45851542	+	2.164E-18	4.0752E-17	0.275159	hyper	sig	chr13_45851542
chr5	16180308	16180308	+	2.166E-18	4.078E-17	0.329756	hyper	sig	chr5_16180308
chr12	1.25E+08	124928669	+	2.167E-18	4.0788E-17	-0.21632	hypo	sig	chr12_124928669
chr12	53960773	53960773	+	2.167E-18	4.0792E-17	0.296347	hyper	sig	chr12_53960773
chr9	1.37E+08	136821257	+	2.169E-18	4.0834E-17	0.250238	hyper	sig	chr9_136821257
chr11	10298614	10298614	+	2.17E-18	4.0851E-17	-0.23397	hypo	sig	chr11_10298614
chr10	1.17E+08	117132179	+	2.171E-18	4.0874E-17	0.345383	hyper	sig	chr10_117132179
chr10	1.03E+08	103479407	+	2.174E-18	4.0924E-17	-0.3234	hypo	sig	chr10_103479407
chr2	46299928	46299928	+	2.175E-18	4.0933E-17	-0.21673	hypo	sig	chr2_46299928
chr7	1.51E+08	150956107	+	2.177E-18	4.0973E-17	0.279846	hyper	sig	chr7_150956107
chr8	33721722	33721722	+	2.177E-18	4.0976E-17	-0.24479	hypo	sig	chr8_33721722

chr2	1.61E+08	161416859	+	2.179E-18	4.1017E-17	0.240711	hyper	sig	chr2_161416859
chr3	42686309	42686309	+	2.179E-18	4.1019E-17	0.369954	hyper	sig	chr3_42686309
chr19	29093351	29093351	+	2.181E-18	4.1044E-17	-0.35994	hypo	sig	chr19_29093351
chr22	19754954	19754954	+	2.182E-18	4.1059E-17	0.286349	hyper	sig	chr22_19754954
chr5	77639224	77639224	+	2.184E-18	4.1092E-17	0.298558	hyper	sig	chr5_77639224
chr16	1063947	1063947	+	2.184E-18	4.1109E-17	-0.3111	hypo	sig	chr16_1063947
chr16	2130140	2130140	+	2.185E-18	4.1121E-17	0.285538	hyper	sig	chr16_2130140
chr2	66437804	66437804	+	2.189E-18	4.1185E-17	0.252032	hyper	sig	chr2_66437804
chr13	78596891	78596891	+	2.189E-18	4.1185E-17	0.231063	hyper	sig	chr13_78596891
chr17	81681701	81681701	+	2.192E-18	4.1242E-17	0.253626	hyper	sig	chr17_81681701
chr19	17286805	17286805	+	2.193E-18	4.1261E-17	-0.36871	hypo	sig	chr19_17286805
chr5	1.41E+08	141150905	+	2.197E-18	4.1335E-17	0.299304	hyper	sig	chr5_141150905
chr8	54466603	54466603	+	2.198E-18	4.1349E-17	0.269804	hyper	sig	chr8_54466603
chr11	79438882	79438882	+	2.198E-18	4.1357E-17	0.251346	hyper	sig	chr11_79438882
chr16	4664732	4664732	+	2.199E-18	4.1367E-17	-0.22706	hypo	sig	chr16_4664732
chr7	1.28E+08	128104432	+	2.199E-18	4.1376E-17	0.2083	hyper	sig	chr7_128104432
chr17	8326878	8326878	+	2.2E-18	4.1392E-17	0.200003	hyper	sig	chr17_8326878
chr2	89611848	89611848	+	2.202E-18	4.1432E-17	0.313646	hyper	sig	chr2_89611848
chr6	1.09E+08	109294216	+	2.203E-18	4.1438E-17	-0.23665	hypo	sig	chr6_109294216
chr10	1.31E+08	131405932	+	2.203E-18	4.1441E-17	-0.22434	hypo	sig	chr10_131405932
chr11	67464411	67464411	+	2.204E-18	4.1454E-17	-0.23075	hypo	sig	chr11_67464411
chr1	1.19E+08	118990162	+	2.205E-18	4.147E-17	0.235583	hyper	sig	chr1_118990162
chr7	1.01E+08	101299812	+	2.205E-18	4.1475E-17	0.357702	hyper	sig	chr7_101299812
chr16	75516267	75516267	+	2.206E-18	4.1501E-17	0.262587	hyper	sig	chr16_75516267
chr9	1.28E+08	127918823	+	2.207E-18	4.1522E-17	-0.24983	hypo	sig	chr9_127918823
chr16	920327	920327	+	2.208E-18	4.154E-17	0.301859	hyper	sig	chr16_920327
chr10	1.17E+08	116688600	+	2.209E-18	4.1548E-17	0.230022	hyper	sig	chr10_116688600
chr7	23710048	23710048	+	2.21E-18	4.1564E-17	-0.28106	hypo	sig	chr7_23710048
chr7	1.55E+08	155450172	+	2.21E-18	4.1564E-17	0.279981	hyper	sig	chr7_155450172
chr9	36739761	36739761	+	2.21E-18	4.1564E-17	0.334189	hyper	sig	chr9_36739761
chr12	667185	667185	+	2.21E-18	4.1565E-17	-0.2897	hypo	sig	chr12_667185
chr17	81648829	81648829	+	2.217E-18	4.1693E-17	0.237509	hyper	sig	chr17_81648829
chr3	1.57E+08	157120439	+	2.221E-18	4.1764E-17	-0.27809	hypo	sig	chr3_157120439
chr3	46464873	46464873	+	2.222E-18	4.1779E-17	0.275966	hyper	sig	chr3_46464873
chr10	1.16E+08	116273495	+	2.224E-18	4.1821E-17	0.254402	hyper	sig	chr10_116273495
chr6	1.66E+08	165686812	+	2.226E-18	4.1856E-17	0.207996	hyper	sig	chr6_165686812
chr19	10013591	10013591	+	2.23E-18	4.1933E-17	-0.25943	hypo	sig	chr19_10013591
chr19	22286455	22286455	+	2.231E-18	4.1948E-17	0.296896	hyper	sig	chr19_22286455
chr19	58581399	58581399	+	2.232E-18	4.1959E-17	0.28831	hyper	sig	chr19_58581399
chr11	1043907	1043907	+	2.233E-18	4.1988E-17	-0.24377	hypo	sig	chr11_1043907
chr3	1.33E+08	133404572	+	2.234E-18	4.1995E-17	-0.25686	hypo	sig	chr3_133404572
chr8	17026830	17026830	+	2.236E-18	4.2036E-17	0.279365	hyper	sig	chr8_17026830
chr2	3169525	3169525	+	2.238E-18	4.2072E-17	0.223366	hyper	sig	chr2_3169525
chr4	1.33E+08	133148391	+	2.238E-18	4.2073E-17	0.282441	hyper	sig	chr4_133148391
chr13	1.11E+08	110869684	+	2.239E-18	4.209E-17	-0.36363	hypo	sig	chr13_110869684
chr5	16180208	16180208	+	2.239E-18	4.2096E-17	0.328041	hyper	sig	chr5_16180208
chr9	23824193	23824193	+	2.243E-18	4.2161E-17	0.296388	hyper	sig	chr9_23824193
chr19	6272164	6272164	+	2.243E-18	4.2165E-17	0.405561	hyper	sig	chr19_6272164
chr9	1.33E+08	133334225	+	2.243E-18	4.2166E-17	-0.28975	hypo	sig	chr9_133334225
chr16	11182099	11182099	+	2.244E-18	4.2178E-17	-0.23593	hypo	sig	chr16_11182099
chr6	1.34E+08	133838205	+	2.247E-18	4.2233E-17	-0.28257	hypo	sig	chr6_133838205
chr15	84080191	84080191	+	2.248E-18	4.2258E-17	0.218931	hyper	sig	chr15_84080191
chr19	35139521	35139521	+	2.251E-18	4.2302E-17	0.294251	hyper	sig	chr19_35139521
chr8	54467680	54467680	+	2.251E-18	4.2313E-17	0.206574	hyper	sig	chr8_54467680
chr7	1.01E+08	100612982	+	2.254E-18	4.2358E-17	0.207622	hyper	sig	chr7_100612982
chr15	70448090	70448090	+	2.254E-18	4.2359E-17	-0.24794	hypo	sig	chr15_70448090

chr3	14810236	14810236	+	2.255E-18	4.2384E-17	0.271846	hyper	sig	chr3_14810236
chr11	1937863	1937863	+	2.257E-18	4.2424E-17	-0.30273	hypo	sig	chr11_1937863
chr21	26967738	26967738	+	2.259E-18	4.2461E-17	0.322783	hyper	sig	chr21_26967738
chr3	62371287	62371287	+	2.261E-18	4.2495E-17	0.329701	hyper	sig	chr3_62371287
chr12	1.13E+08	113464484	+	2.264E-18	4.2536E-17	0.312006	hyper	sig	chr12_113464484
chr2	2.17E+08	216880947	+	2.267E-18	4.2608E-17	-0.382	hypo	sig	chr2_216880947
chr15	63597367	63597367	+	2.269E-18	4.2629E-17	0.363733	hyper	sig	chr15_63597367
chr6	28810473	28810473	+	2.27E-18	4.2653E-17	0.2588	hyper	sig	chr6_28810473
chr20	32190645	32190645	+	2.27E-18	4.2662E-17	0.294096	hyper	sig	chr20_32190645
chr10	1.3E+08	129966167	+	2.272E-18	4.2697E-17	0.282023	hyper	sig	chr10_129966167
chr11	65047540	65047540	+	2.275E-18	4.2751E-17	0.333106	hyper	sig	chr11_65047540
chr19	34832880	34832880	+	2.276E-18	4.277E-17	0.202924	hyper	sig	chr19_34832880
chr14	76138819	76138819	+	2.277E-18	4.2775E-17	0.321952	hyper	sig	chr14_76138819
chr4	1.33E+08	133151589	+	2.279E-18	4.282E-17	0.30393	hyper	sig	chr4_133151589
chr22	49048560	49048560	+	2.281E-18	4.2851E-17	-0.29837	hypo	sig	chr22_49048560
chr5	1.35E+08	135028968	+	2.282E-18	4.288E-17	0.340638	hyper	sig	chr5_135028968
chr10	571244	571244	+	2.283E-18	4.2884E-17	0.225744	hyper	sig	chr10_571244
chr12	7748055	7748055	+	2.287E-18	4.2963E-17	-0.26386	hypo	sig	chr12_7748055
chr16	89949667	89949667	+	2.287E-18	4.2963E-17	0.301666	hyper	sig	chr16_89949667
chr17	79183617	79183617	+	2.287E-18	4.2967E-17	0.287707	hyper	sig	chr17_79183617
chr11	32427219	32427219	+	2.288E-18	4.2977E-17	0.212748	hyper	sig	chr11_32427219
chr15	42057593	42057593	+	2.288E-18	4.2977E-17	-0.21905	hypo	sig	chr15_42057593
chr3	1.47E+08	147396187	+	2.289E-18	4.2995E-17	0.312678	hyper	sig	chr3_147396187
chr12	1.32E+08	132446377	+	2.289E-18	4.2998E-17	-0.22709	hypo	sig	chr12_132446377
chr10	8036164	8036164	+	2.292E-18	4.3043E-17	0.288939	hyper	sig	chr10_8036164
chr4	1722701	1722701	+	2.294E-18	4.3081E-17	-0.33754	hypo	sig	chr4_1722701
chr9	34457251	34457251	+	2.294E-18	4.3081E-17	0.38875	hyper	sig	chr9_34457251
chr13	78596852	78596852	+	2.294E-18	4.3082E-17	0.253272	hyper	sig	chr13_78596852
chr8	1.44E+08	144336130	+	2.295E-18	4.3109E-17	0.299775	hyper	sig	chr8_144336130
chr5	1.41E+08	141382662	+	2.296E-18	4.3123E-17	0.229481	hyper	sig	chr5_141382662
chr16	58464914	58464914	+	2.299E-18	4.3165E-17	0.211865	hyper	sig	chr16_58464914
chr8	1.44E+08	144336229	+	2.299E-18	4.3166E-17	0.305338	hyper	sig	chr8_144336229
chr9	1.02E+08	101737568	+	2.299E-18	4.317E-17	0.281203	hyper	sig	chr9_101737568
chr15	40927025	40927025	+	2.301E-18	4.3206E-17	-0.24771	hypo	sig	chr15_40927025
chr5	2757968	2757968	+	2.305E-18	4.3273E-17	0.263176	hyper	sig	chr5_2757968
chr10	1.33E+08	132807048	+	2.305E-18	4.3277E-17	-0.27119	hypo	sig	chr10_132807048
chr20	21521611	21521611	+	2.307E-18	4.3316E-17	0.316166	hyper	sig	chr20_21521611
chr6	27260324	27260324	+	2.31E-18	4.3366E-17	0.287728	hyper	sig	chr6_27260324
chr9	1.24E+08	124015361	+	2.314E-18	4.3453E-17	0.297168	hyper	sig	chr9_124015361
chr20	40690713	40690713	+	2.318E-18	4.3511E-17	0.303897	hyper	sig	chr20_40690713
chr2	85668242	85668242	+	2.323E-18	4.3607E-17	-0.29833	hypo	sig	chr2_85668242
chr2	27265447	27265447	+	2.323E-18	4.3611E-17	0.22662	hyper	sig	chr2_27265447
chr1	1.71E+08	170662196	+	2.327E-18	4.3679E-17	0.286104	hyper	sig	chr1_170662196
chr13	27976071	27976071	+	2.328E-18	4.3706E-17	0.306402	hyper	sig	chr13_27976071
chr7	43112646	43112646	+	2.33E-18	4.3746E-17	0.257123	hyper	sig	chr7_43112646
chr7	27098330	27098330	+	2.331E-18	4.3755E-17	0.346175	hyper	sig	chr7_27098330
chr1	2.21E+08	220887537	+	2.333E-18	4.38E-17	0.279688	hyper	sig	chr1_220887537
chr2	1.3E+08	130005927	+	2.334E-18	4.3814E-17	0.244527	hyper	sig	chr2_130005927
chr12	1.32E+08	132286350	+	2.335E-18	4.3824E-17	0.208475	hyper	sig	chr12_132286350
chr17	4969201	4969201	+	2.335E-18	4.3828E-17	0.26959	hyper	sig	chr17_4969201
chr1	20473306	20473306	+	2.339E-18	4.3893E-17	0.247676	hyper	sig	chr1_20473306
chr8	383390	383390	+	2.339E-18	4.3895E-17	-0.28021	hypo	sig	chr8_383390
chr2	1.19E+08	118842949	+	2.341E-18	4.3939E-17	0.220644	hyper	sig	chr2_118842949
chr20	17226061	17226061	+	2.343E-18	4.3968E-17	0.279974	hyper	sig	chr20_17226061
chr7	85186121	85186121	+	2.343E-18	4.3968E-17	0.304186	hyper	sig	chr7_85186121
chr12	1.11E+08	110848015	+	2.345E-18	4.4003E-17	-0.33256	hypo	sig	chr12_110848015

chr2	86790981	86790981	+	2.346E-18	4.4022E-17	0.281362	hyper	sig	chr2_86790981
chr6	1E+08	100449553	+	2.35E-18	4.4096E-17	0.33565	hyper	sig	chr6_100449553
chr10	23198856	23198856	+	2.35E-18	4.4099E-17	0.322515	hyper	sig	chr10_23198856
chr3	1.34E+08	133674275	+	2.351E-18	4.4107E-17	0.2824	hyper	sig	chr3_133674275
chr2	96527437	96527437	+	2.351E-18	4.4123E-17	0.30069	hyper	sig	chr2_96527437
chr14	37599163	37599163	+	2.353E-18	4.4151E-17	0.393826	hyper	sig	chr14_37599163
chr12	53987215	53987215	+	2.353E-18	4.4153E-17	0.282264	hyper	sig	chr12_53987215
chr10	86668500	86668500	+	2.356E-18	4.4201E-17	0.277308	hyper	sig	chr10_86668500
chr7	1.55E+08	155373049	+	2.357E-18	4.4224E-17	0.279889	hyper	sig	chr7_155373049
chr19	30451011	30451011	+	2.357E-18	4.4228E-17	0.303381	hyper	sig	chr19_30451011
chr2	1.92E+08	191835840	+	2.358E-18	4.4233E-17	-0.23295	hypo	sig	chr2_191835840
chr11	1.11E+08	110713009	+	2.359E-18	4.4267E-17	0.285226	hyper	sig	chr11_110713009
chr4	28116670	28116670	+	2.361E-18	4.4296E-17	-0.36564	hypo	sig	chr4_28116670
chr4	1.53E+08	152935439	+	2.361E-18	4.4296E-17	-0.27446	hypo	sig	chr4_152935439
chr20	1001966	1001966	+	2.362E-18	4.4318E-17	0.385427	hyper	sig	chr20_1001966
chr10	1.33E+08	132752812	+	2.366E-18	4.4386E-17	-0.25545	hypo	sig	chr10_132752812
chr19	2428558	2428558	+	2.368E-18	4.4425E-17	0.251586	hyper	sig	chr19_2428558
chr13	1.13E+08	112772335	+	2.368E-18	4.4426E-17	-0.39021	hypo	sig	chr13_112772335
chr5	1190440	1190440	+	2.368E-18	4.4426E-17	0.279279	hyper	sig	chr5_1190440
chr16	51156211	51156211	+	2.37E-18	4.4452E-17	0.28547	hyper	sig	chr16_51156211
chr1	57423061	57423061	+	2.37E-18	4.4454E-17	0.287562	hyper	sig	chr1_57423061
chr16	502754	502754	+	2.37E-18	4.4454E-17	-0.28838	hypo	sig	chr16_502754
chr20	41134113	41134113	+	2.371E-18	4.4465E-17	-0.25407	hypo	sig	chr20_41134113
chr6	1.42E+08	142088430	+	2.371E-18	4.4473E-17	0.287702	hyper	sig	chr6_142088430
chr5	51387763	51387763	+	2.372E-18	4.4485E-17	0.260564	hyper	sig	chr5_51387763
chr6	1.5E+08	149964552	+	2.372E-18	4.4496E-17	0.212131	hyper	sig	chr6_149964552
chr7	1.17E+08	117320753	+	2.374E-18	4.4525E-17	-0.21261	hypo	sig	chr7_117320753
chr10	1.31E+08	131084747	+	2.376E-18	4.4552E-17	-0.25179	hypo	sig	chr10_131084747
chr15	57303146	57303146	+	2.376E-18	4.4563E-17	-0.24562	hypo	sig	chr15_57303146
chr19	58440755	58440755	+	2.377E-18	4.4586E-17	0.275253	hyper	sig	chr19_58440755
chr7	38292270	38292270	+	2.378E-18	4.4587E-17	-0.3016	hypo	sig	chr7_38292270
chr2	29920719	29920719	+	2.378E-18	4.4588E-17	0.238642	hyper	sig	chr2_29920719
chr20	64327975	64327975	+	2.378E-18	4.4591E-17	0.214159	hyper	sig	chr20_64327975
chr7	920695	920695	+	2.378E-18	4.4596E-17	-0.32323	hypo	sig	chr7_920695
chr15	69462393	69462393	+	2.379E-18	4.4602E-17	-0.25055	hypo	sig	chr15_69462393
chr11	27720708	27720708	+	2.38E-18	4.4624E-17	0.235707	hyper	sig	chr11_27720708
chr7	1.5E+08	150048010	+	2.381E-18	4.4649E-17	0.257029	hyper	sig	chr7_150048010
chr4	1.11E+08	110641322	+	2.384E-18	4.4697E-17	0.317778	hyper	sig	chr4_110641322
chr5	1.47E+08	146878284	+	2.384E-18	4.4697E-17	0.205194	hyper	sig	chr5_146878284
chr7	1.52E+08	151558552	+	2.384E-18	4.4699E-17	0.217661	hyper	sig	chr7_151558552
chr16	14406045	14406045	+	2.386E-18	4.4732E-17	-0.24348	hypo	sig	chr16_14406045
chr13	1.08E+08	107868066	+	2.387E-18	4.4748E-17	0.223771	hyper	sig	chr13_107868066
chr17	22305637	22305637	+	2.388E-18	4.4772E-17	-0.29701	hypo	sig	chr17_22305637
chr8	84182747	84182747	+	2.391E-18	4.4823E-17	0.347769	hyper	sig	chr8_84182747
chr17	81461128	81461128	+	2.392E-18	4.4836E-17	-0.31155	hypo	sig	chr17_81461128
chr9	96219168	96219168	+	2.396E-18	4.4911E-17	-0.35537	hypo	sig	chr9_96219168
chr20	21103803	21103803	+	2.397E-18	4.4929E-17	0.292396	hyper	sig	chr20_21103803
chr1	87338022	87338022	+	2.399E-18	4.4963E-17	0.210467	hyper	sig	chr1_87338022
chr5	1.41E+08	141346315	+	2.399E-18	4.4967E-17	0.268406	hyper	sig	chr5_141346315
chr6	1.61E+08	161140034	+	2.403E-18	4.5035E-17	-0.23036	hypo	sig	chr6_161140034
chr13	1.12E+08	111893572	+	2.403E-18	4.5042E-17	0.324555	hyper	sig	chr13_111893572
chr11	85682787	85682787	+	2.403E-18	4.5049E-17	0.30201	hyper	sig	chr11_85682787
chr13	1.14E+08	114089958	+	2.404E-18	4.5058E-17	-0.28555	hypo	sig	chr13_114089958
chr19	9362941	9362941	+	2.405E-18	4.5076E-17	0.261196	hyper	sig	chr19_9362941
chr16	10182828	10182828	+	2.406E-18	4.51E-17	0.319806	hyper	sig	chr16_10182828
chr2	12718403	12718403	+	2.41E-18	4.5174E-17	0.204349	hyper	sig	chr2_12718403

chr18	77251842	77251842	+	2.412E-18	4.5204E-17	0.279619	hyper	sig	chr18_77251842
chr4	1192127	1192127	+	2.413E-18	4.5215E-17	0.302273	hyper	sig	chr4_1192127
chr3	9552467	9552467	+	2.415E-18	4.5248E-17	0.275071	hyper	sig	chr3_9552467
chr10	48451447	48451447	+	2.415E-18	4.5253E-17	-0.3565	hypo	sig	chr10_48451447
chr17	41773128	41773128	+	2.418E-18	4.5303E-17	-0.26542	hypo	sig	chr17_41773128
chr4	95547831	95547831	+	2.42E-18	4.5346E-17	0.311039	hyper	sig	chr4_95547831
chr5	1.79E+08	179051171	+	2.421E-18	4.5364E-17	-0.25366	hypo	sig	chr5_179051171
chr12	6141341	6141341	+	2.425E-18	4.5429E-17	-0.25043	hypo	sig	chr12_6141341
chr2	1.75E+08	174730103	+	2.427E-18	4.5479E-17	0.265355	hyper	sig	chr2_174730103
chr14	36583573	36583573	+	2.429E-18	4.5512E-17	0.291448	hyper	sig	chr14_36583573
chr2	96527426	96527426	+	2.429E-18	4.5519E-17	0.312681	hyper	sig	chr2_96527426
chr1	3434528	3434528	+	2.43E-18	4.5521E-17	-0.27219	hypo	sig	chr1_3434528
chr15	67064108	67064108	+	2.43E-18	4.5533E-17	-0.31486	hypo	sig	chr15_67064108
chr6	26744178	26744178	+	2.434E-18	4.5592E-17	0.212463	hyper	sig	chr6_26744178
chr7	1.54E+08	153749171	+	2.434E-18	4.5608E-17	0.33304	hyper	sig	chr7_153749171
chr1	24322973	24322973	+	2.435E-18	4.5622E-17	-0.22675	hypo	sig	chr1_24322973
chr14	92322570	92322570	+	2.437E-18	4.5662E-17	0.305603	hyper	sig	chr14_92322570
chr13	1.12E+08	111893647	+	2.439E-18	4.5692E-17	0.308428	hyper	sig	chr13_111893647
chr11	1.26E+08	125788143	+	2.441E-18	4.5719E-17	-0.2905	hypo	sig	chr11_125788143
chr10	27320404	27320404	+	2.441E-18	4.5719E-17	-0.25849	hypo	sig	chr10_27320404
chr7	1.33E+08	132534522	+	2.441E-18	4.5722E-17	-0.31371	hypo	sig	chr7_132534522
chr15	24878331	24878331	+	2.444E-18	4.5775E-17	0.33016	hyper	sig	chr15_24878331
chr19	39415154	39415154	+	2.445E-18	4.579E-17	0.271272	hyper	sig	chr19_39415154
chr16	62036249	62036249	+	2.445E-18	4.5802E-17	0.280359	hyper	sig	chr16_62036249
chr1	2.28E+08	228158574	+	2.447E-18	4.5821E-17	0.360423	hyper	sig	chr1_228158574
chr4	3533058	3533058	+	2.447E-18	4.5831E-17	0.260672	hyper	sig	chr4_3533058
chr4	8343548	8343548	+	2.448E-18	4.5855E-17	0.251042	hyper	sig	chr4_8343548
chr6	68635911	68635911	+	2.449E-18	4.586E-17	0.215968	hyper	sig	chr6_68635911
chr7	1.3E+08	130486135	+	2.452E-18	4.5918E-17	-0.2537	hypo	sig	chr7_130486135
chr17	14303664	14303664	+	2.452E-18	4.592E-17	0.287609	hyper	sig	chr17_14303664
chr6	32059826	32059826	+	2.452E-18	4.5923E-17	-0.23083	hypo	sig	chr6_32059826
chr17	80859459	80859459	+	2.454E-18	4.5945E-17	0.300403	hyper	sig	chr17_80859459
chr12	1.23E+08	123141585	+	2.456E-18	4.5993E-17	0.294974	hyper	sig	chr12_123141585
chr5	77851175	77851175	+	2.458E-18	4.6034E-17	0.331606	hyper	sig	chr5_77851175
chr3	1.72E+08	172449806	+	2.46E-18	4.6071E-17	0.254413	hyper	sig	chr3_172449806
chr1	1.52E+08	151547737	+	2.461E-18	4.6078E-17	-0.28017	hypo	sig	chr1_151547737
chr17	42783980	42783980	+	2.461E-18	4.608E-17	0.272954	hyper	sig	chr17_42783980
chr5	45696446	45696446	+	2.461E-18	4.6085E-17	0.335347	hyper	sig	chr5_45696446
chr2	1.05E+08	105119190	+	2.462E-18	4.6101E-17	0.305474	hyper	sig	chr2_105119190
chr7	1536593	1536593	+	2.463E-18	4.6105E-17	0.240941	hyper	sig	chr7_1536593
chr11	46295955	46295955	+	2.463E-18	4.6106E-17	0.303546	hyper	sig	chr11_46295955
chr15	92808621	92808621	+	2.463E-18	4.6113E-17	-0.23986	hypo	sig	chr15_92808621
chr11	46291500	46291500	+	2.464E-18	4.6123E-17	0.282224	hyper	sig	chr11_46291500
chr1	2.04E+08	204351032	+	2.465E-18	4.6142E-17	0.265387	hyper	sig	chr1_204351032
chr10	1.17E+08	117140300	+	2.466E-18	4.6158E-17	0.343731	hyper	sig	chr10_117140300
chr12	1.14E+08	114439624	+	2.466E-18	4.6163E-17	0.277939	hyper	sig	chr12_114439624
chr12	24950239	24950239	+	2.467E-18	4.6175E-17	-0.28515	hypo	sig	chr12_24950239
chr2	1.2E+08	120346559	+	2.467E-18	4.6176E-17	0.259478	hyper	sig	chr2_120346559
chr5	1119545	1119545	+	2.468E-18	4.6194E-17	-0.28608	hypo	sig	chr5_1119545
chr22	50085945	50085945	+	2.469E-18	4.622E-17	-0.24279	hypo	sig	chr22_50085945
chr11	8038921	8038921	+	2.469E-18	4.6221E-17	-0.24743	hypo	sig	chr11_8038921
chr17	16683543	16683543	+	2.471E-18	4.6251E-17	0.261739	hyper	sig	chr17_16683543
chr17	7013912	7013912	+	2.474E-18	4.6304E-17	-0.26285	hypo	sig	chr17_7013912
chr4	1.85E+08	185018985	+	2.476E-18	4.6345E-17	0.233171	hyper	sig	chr4_185018985
chr12	75207623	75207623	+	2.477E-18	4.6357E-17	0.346995	hyper	sig	chr12_75207623
chr9	1.24E+08	124015394	+	2.478E-18	4.638E-17	0.285631	hyper	sig	chr9_124015394

chr5	15500684	15500684	+	2.479E-18	4.6384E-17	0.249338	hyper	sig	chr5_15500684
chr16	3305242	3305242	+	2.479E-18	4.6394E-17	0.274174	hyper	sig	chr16_3305242
chr13	99972061	99972061	+	2.483E-18	4.6469E-17	0.318857	hyper	sig	chr13_99972061
chr16	4795728	4795728	+	2.485E-18	4.6492E-17	-0.28326	hypo	sig	chr16_4795728
chr20	23048676	23048676	+	2.487E-18	4.6541E-17	0.252858	hyper	sig	chr20_23048676
chr17	1203869	1203869	+	2.488E-18	4.6546E-17	0.297134	hyper	sig	chr17_1203869
chr17	78175113	78175113	+	2.488E-18	4.6547E-17	-0.31223	hypo	sig	chr17_78175113
chr12	21941433	21941433	+	2.491E-18	4.6605E-17	0.228225	hyper	sig	chr12_21941433
chr11	67665221	67665221	+	2.493E-18	4.6638E-17	-0.23306	hypo	sig	chr11_67665221
chr20	46312738	46312738	+	2.493E-18	4.6646E-17	0.282277	hyper	sig	chr20_46312738
chr2	2.32E+08	232459038	+	2.497E-18	4.672E-17	0.293751	hyper	sig	chr2_232459038
chr11	64630531	64630531	+	2.499E-18	4.6744E-17	0.299719	hyper	sig	chr11_64630531
chr9	841539	841539	+	2.499E-18	4.6748E-17	0.308084	hyper	sig	chr9_841539
chr5	959092	959092	+	2.505E-18	4.6867E-17	-0.29358	hypo	sig	chr5_959092
chr6	79946972	79946972	+	2.507E-18	4.6901E-17	0.20529	hyper	sig	chr6_79946972
chr4	473258	473258	+	2.511E-18	4.6968E-17	0.232555	hyper	sig	chr4_473258
chr5	63959256	63959256	+	2.511E-18	4.6979E-17	0.356449	hyper	sig	chr5_63959256
chr20	24469229	24469229	+	2.513E-18	4.7015E-17	0.325754	hyper	sig	chr20_24469229
chr11	32438108	32438108	+	2.514E-18	4.7019E-17	0.299765	hyper	sig	chr11_32438108
chr16	70173286	70173286	+	2.515E-18	4.7046E-17	-0.33566	hypo	sig	chr16_70173286
chr1	50416215	50416215	+	2.517E-18	4.707E-17	0.244307	hyper	sig	chr1_50416215
chr20	21702893	21702893	+	2.517E-18	4.7084E-17	0.330752	hyper	sig	chr20_21702893
chr5	37838514	37838514	+	2.518E-18	4.7093E-17	0.259095	hyper	sig	chr5_37838514
chr17	82347094	82347094	+	2.52E-18	4.7124E-17	-0.26185	hypo	sig	chr17_82347094
chr1	78491184	78491184	+	2.52E-18	4.7125E-17	0.304707	hyper	sig	chr1_78491184
chr17	81433874	81433874	+	2.52E-18	4.7132E-17	-0.26126	hypo	sig	chr17_81433874
chr18	52340001	52340001	+	2.52E-18	4.7134E-17	0.23268	hyper	sig	chr18_52340001
chr16	58482258	58482258	+	2.521E-18	4.7141E-17	-0.26044	hypo	sig	chr16_58482258
chr1	12143727	12143727	+	2.521E-18	4.7142E-17	-0.2007	hypo	sig	chr1_12143727
chr7	45575828	45575828	+	2.523E-18	4.7176E-17	0.305092	hyper	sig	chr7_45575828
chr5	320773	320773	+	2.524E-18	4.7193E-17	0.333021	hyper	sig	chr5_320773
chr21	30497173	30497173	+	2.526E-18	4.7236E-17	-0.24586	hypo	sig	chr21_30497173
chr19	2546879	2546879	+	2.527E-18	4.7253E-17	-0.21065	hypo	sig	chr19_2546879
chr16	84819159	84819159	+	2.527E-18	4.7254E-17	-0.3464	hypo	sig	chr16_84819159
chr22	20085217	20085217	+	2.53E-18	4.7299E-17	0.216988	hyper	sig	chr22_20085217
chr17	78132602	78132602	+	2.531E-18	4.732E-17	-0.29375	hypo	sig	chr17_78132602
chr1	1.19E+08	118985013	+	2.534E-18	4.7388E-17	0.323427	hyper	sig	chr1_118985013
chr2	1.54E+08	153871420	+	2.535E-18	4.7389E-17	0.315581	hyper	sig	chr2_153871420
chr17	82342302	82342302	+	2.535E-18	4.7404E-17	-0.21367	hypo	sig	chr17_82342302
chr5	44388631	44388631	+	2.538E-18	4.7449E-17	0.203335	hyper	sig	chr5_44388631
chr12	1834682	1834682	+	2.539E-18	4.7466E-17	-0.34752	hypo	sig	chr12_1834682
chr12	85273661	85273661	+	2.539E-18	4.7476E-17	0.271799	hyper	sig	chr12_85273661
chr20	52973409	52973409	+	2.541E-18	4.7506E-17	0.223827	hyper	sig	chr20_52973409
chr5	1.73E+08	173245700	+	2.544E-18	4.7554E-17	0.277919	hyper	sig	chr5_173245700
chr2	95025386	95025386	+	2.544E-18	4.7556E-17	0.275927	hyper	sig	chr2_95025386
chr5	38557454	38557454	+	2.546E-18	4.7583E-17	0.240271	hyper	sig	chr5_38557454
chr16	1543611	1543611	+	2.546E-18	4.7596E-17	-0.25255	hypo	sig	chr16_1543611
chr16	57667549	57667549	+	2.548E-18	4.7619E-17	-0.30177	hypo	sig	chr16_57667549
chr22	50485546	50485546	+	2.548E-18	4.7619E-17	-0.2448	hypo	sig	chr22_50485546
chr5	11384678	11384678	+	2.548E-18	4.7619E-17	0.237202	hyper	sig	chr5_11384678
chr8	56446162	56446162	+	2.548E-18	4.7619E-17	0.346071	hyper	sig	chr8_56446162
chr1	2.11E+08	210687898	+	2.55E-18	4.7668E-17	-0.29983	hypo	sig	chr1_210687898
chr15	88252458	88252458	+	2.552E-18	4.7694E-17	-0.25512	hypo	sig	chr15_88252458
chr22	30542030	30542030	+	2.553E-18	4.7706E-17	0.300856	hyper	sig	chr22_30542030
chr7	2010576	2010576	+	2.556E-18	4.777E-17	0.20431	hyper	sig	chr7_2010576
chr2	2.28E+08	228181802	+	2.557E-18	4.7781E-17	0.367443	hyper	sig	chr2_228181802

chr3	1.28E+08	128483954	+	2.559E-18	4.7818E-17	0.244359	hyper	sig	chr3_128483954
chr2	38074605	38074605	+	2.56E-18	4.7838E-17	0.299786	hyper	sig	chr2_38074605
chr11	30584639	30584639	+	2.565E-18	4.7934E-17	0.287018	hyper	sig	chr11_30584639
chr12	78865056	78865056	+	2.57E-18	4.8023E-17	0.236349	hyper	sig	chr12_78865056
chr7	19117620	19117620	+	2.572E-18	4.8051E-17	0.250694	hyper	sig	chr7_19117620
chr9	85526672	85526672	+	2.575E-18	4.8105E-17	-0.30878	hypo	sig	chr9_85526672
chr5	1.59E+08	159095417	+	2.576E-18	4.8126E-17	0.345276	hyper	sig	chr5_159095417
chr12	42145673	42145673	+	2.578E-18	4.8163E-17	-0.27089	hypo	sig	chr12_42145673
chr16	1145577	1145577	+	2.579E-18	4.8179E-17	-0.26624	hypo	sig	chr16_1145577
chr17	79365615	79365615	+	2.579E-18	4.8189E-17	0.259771	hyper	sig	chr17_79365615
chr15	45704556	45704556	+	2.582E-18	4.8241E-17	0.280407	hyper	sig	chr15_45704556
chr17	816171	816171	+	2.586E-18	4.83E-17	-0.23535	hypo	sig	chr17_816171
chr2	2.28E+08	228181725	+	2.588E-18	4.8346E-17	0.351452	hyper	sig	chr2_228181725
chr20	46058484	46058484	+	2.59E-18	4.8388E-17	0.272906	hyper	sig	chr20_46058484
chr2	96762225	96762225	+	2.592E-18	4.8419E-17	-0.24551	hypo	sig	chr2_96762225
chr11	2141111	2141111	+	2.592E-18	4.8423E-17	0.2671	hyper	sig	chr11_2141111
chr2	2.39E+08	239349305	+	2.593E-18	4.8432E-17	0.310874	hyper	sig	chr2_239349305
chr3	10816049	10816049	+	2.595E-18	4.8462E-17	0.335028	hyper	sig	chr3_10816049
chr10	1.33E+08	133131254	+	2.599E-18	4.8546E-17	-0.24876	hypo	sig	chr10_133131254
chr13	1.13E+08	113020377	+	2.6E-18	4.8554E-17	0.340948	hyper	sig	chr13_113020377
chr5	1.81E+08	181059679	+	2.602E-18	4.8592E-17	0.252785	hyper	sig	chr5_181059679
chr7	1.58E+08	157713833	+	2.602E-18	4.8597E-17	-0.27143	hypo	sig	chr7_157713833
chr5	38256097	38256097	+	2.604E-18	4.8623E-17	-0.34094	hypo	sig	chr5_38256097
chr20	43189280	43189280	+	2.604E-18	4.8633E-17	0.27459	hyper	sig	chr20_43189280
chr17	82032456	82032456	+	2.605E-18	4.8643E-17	0.346404	hyper	sig	chr17_82032456
chr2	2.22E+08	222295558	+	2.605E-18	4.8651E-17	0.253878	hyper	sig	chr2_222295558
chr1	1.19E+08	118987493	+	2.606E-18	4.8658E-17	0.247741	hyper	sig	chr1_118987493
chr11	1.3E+08	130189725	+	2.606E-18	4.8666E-17	-0.28133	hypo	sig	chr11_130189725
chr12	80716952	80716952	+	2.606E-18	4.8668E-17	0.280016	hyper	sig	chr12_80716952
chr2	2.38E+08	237591746	+	2.61E-18	4.8729E-17	-0.30043	hypo	sig	chr2_237591746
chr19	7677069	7677069	+	2.614E-18	4.8808E-17	-0.29528	hypo	sig	chr19_7677069
chr16	89202350	89202350	+	2.614E-18	4.8814E-17	0.236429	hyper	sig	chr16_89202350
chr7	35255251	35255251	+	2.616E-18	4.8832E-17	0.352515	hyper	sig	chr7_35255251
chr19	4369403	4369403	+	2.616E-18	4.8837E-17	-0.27752	hypo	sig	chr19_4369403
chr11	1.09E+08	109423503	+	2.616E-18	4.884E-17	0.256927	hyper	sig	chr11_109423503
chr3	1.41E+08	140940436	+	2.617E-18	4.8857E-17	-0.2595	hypo	sig	chr3_140940436
chr19	53652353	53652353	+	2.617E-18	4.886E-17	-0.23672	hypo	sig	chr19_53652353
chr22	22520247	22520247	+	2.619E-18	4.8899E-17	-0.26937	hypo	sig	chr22_22520247
chr13	1.14E+08	113667093	+	2.624E-18	4.8979E-17	0.259548	hyper	sig	chr13_113667093
chr16	85329649	85329649	+	2.626E-18	4.9015E-17	-0.3161	hypo	sig	chr16_85329649
chr7	1.43E+08	142866708	+	2.627E-18	4.9039E-17	-0.35538	hypo	sig	chr7_142866708
chr16	85574899	85574899	+	2.631E-18	4.91E-17	0.234326	hyper	sig	chr16_85574899
chr15	37097167	37097167	+	2.631E-18	4.911E-17	0.262947	hyper	sig	chr15_37097167
chr14	1.04E+08	103519847	+	2.632E-18	4.9131E-17	0.310023	hyper	sig	chr14_103519847
chr16	88958089	88958089	+	2.633E-18	4.9148E-17	-0.26403	hypo	sig	chr16_88958089
chr8	1579829	1579829	+	2.635E-18	4.9172E-17	-0.24483	hypo	sig	chr8_1579829
chr7	1.59E+08	159232321	+	2.637E-18	4.9205E-17	-0.2898	hypo	sig	chr7_159232321
chr7	37448712	37448712	+	2.637E-18	4.9213E-17	0.284463	hyper	sig	chr7_37448712
chr1	2E+08	200035713	+	2.638E-18	4.9236E-17	0.291565	hyper	sig	chr1_200035713
chr11	70826736	70826736	+	2.639E-18	4.9239E-17	0.283095	hyper	sig	chr11_70826736
chr4	7735036	7735036	+	2.639E-18	4.9239E-17	-0.2932	hypo	sig	chr4_7735036
chr12	21941824	21941824	+	2.639E-18	4.9251E-17	0.206949	hyper	sig	chr12_21941824
chr1	2.28E+08	228469706	+	2.639E-18	4.9251E-17	0.358575	hyper	sig	chr1_228469706
chr19	1077342	1077342	+	2.64E-18	4.9267E-17	-0.28702	hypo	sig	chr19_1077342
chr7	2733493	2733493	+	2.641E-18	4.9278E-17	-0.21359	hypo	sig	chr7_2733493
chr6	32845745	32845745	+	2.641E-18	4.9281E-17	-0.24721	hypo	sig	chr6_32845745

chr7	2527195	2527195	+	2.644E-18	4.9324E-17	-0.269	hypo	sig	chr7_2527195
chr8	66961259	66961259	+	2.649E-18	4.9424E-17	0.284437	hyper	sig	chr8_66961259
chr1	26360722	26360722	+	2.649E-18	4.943E-17	0.218564	hyper	sig	chr1_26360722
chr3	63278156	63278156	+	2.651E-18	4.9455E-17	0.258134	hyper	sig	chr3_63278156
chr5	1.41E+08	141419504	+	2.658E-18	4.9584E-17	0.304105	hyper	sig	chr5_141419504
chr1	1.01E+08	101237062	+	2.658E-18	4.9587E-17	0.220202	hyper	sig	chr1_101237062
chr5	88695298	88695298	+	2.659E-18	4.9607E-17	0.310262	hyper	sig	chr5_88695298
chr11	65593044	65593044	+	2.66E-18	4.9619E-17	0.245404	hyper	sig	chr11_65593044
chr5	1.76E+08	175680826	+	2.662E-18	4.9657E-17	-0.29846	hypo	sig	chr5_175680826
chr8	1.4E+08	139703399	+	2.663E-18	4.9671E-17	0.431003	hyper	sig	chr8_139703399
chr18	57441807	57441807	+	2.663E-18	4.9679E-17	0.297143	hyper	sig	chr18_57441807
chr4	1554868	1554868	+	2.664E-18	4.9694E-17	-0.35662	hypo	sig	chr4_1554868
chr16	30005468	30005468	+	2.665E-18	4.9708E-17	0.273283	hyper	sig	chr16_30005468
chr8	23707204	23707204	+	2.665E-18	4.971E-17	0.268531	hyper	sig	chr8_23707204
chr7	1.3E+08	130380116	+	2.666E-18	4.9724E-17	0.272195	hyper	sig	chr7_130380116
chr7	1.55E+08	155372900	+	2.666E-18	4.9725E-17	0.210091	hyper	sig	chr7_155372900
chr11	64292937	64292937	+	2.666E-18	4.9731E-17	0.33439	hyper	sig	chr11_64292937
chr7	1708961	1708961	+	2.667E-18	4.9732E-17	-0.22786	hypo	sig	chr7_1708961
chr11	1.12E+08	111938922	+	2.672E-18	4.9828E-17	0.252318	hyper	sig	chr11_111938922
chr6	2632440	2632440	+	2.673E-18	4.9841E-17	0.257338	hyper	sig	chr6_2632440
chr17	48551492	48551492	+	2.673E-18	4.9841E-17	0.314213	hyper	sig	chr17_48551492
chr7	12685727	12685727	+	2.673E-18	4.9847E-17	-0.2686	hypo	sig	chr7_12685727
chr7	1.38E+08	137844178	+	2.674E-18	4.9874E-17	-0.27751	hypo	sig	chr7_137844178
chr18	46757937	46757937	+	2.675E-18	4.9883E-17	0.244407	hyper	sig	chr18_46757937
chr1	43565618	43565618	+	2.677E-18	4.9919E-17	0.364951	hyper	sig	chr1_43565618
chr13	50843884	50843884	+	2.678E-18	4.9938E-17	0.30686	hyper	sig	chr13_50843884
chr11	44309392	44309392	+	2.678E-18	4.9942E-17	0.217583	hyper	sig	chr11_44309392
chr6	13767396	13767396	+	2.681E-18	4.9992E-17	0.268138	hyper	sig	chr6_13767396
chr11	2184830	2184830	+	2.683E-18	5.0026E-17	-0.23003	hypo	sig	chr11_2184830
chr16	51155958	51155958	+	2.685E-18	5.0058E-17	0.33001	hyper	sig	chr16_51155958
chr2	73292915	73292915	+	2.685E-18	5.0058E-17	0.257571	hyper	sig	chr2_73292915
chr1	9322836	9322836	+	2.688E-18	5.0119E-17	0.240469	hyper	sig	chr1_9322836
chr17	42784530	42784530	+	2.689E-18	5.0135E-17	0.234707	hyper	sig	chr17_42784530
chr8	71558204	71558204	+	2.693E-18	5.02E-17	0.227458	hyper	sig	chr8_71558204
chr19	53993035	53993035	+	2.693E-18	5.0209E-17	0.287737	hyper	sig	chr19_53993035
chr1	2.25E+08	225429285	+	2.693E-18	5.021E-17	-0.21425	hypo	sig	chr1_225429285
chr10	1.33E+08	133229979	+	2.697E-18	5.0282E-17	0.245712	hyper	sig	chr10_133229979
chr8	23705649	23705649	+	2.698E-18	5.0301E-17	0.278845	hyper	sig	chr8_23705649
chr19	15472046	15472046	+	2.699E-18	5.0309E-17	0.281389	hyper	sig	chr19_15472046
chr1	36737860	36737860	+	2.701E-18	5.0343E-17	0.285902	hyper	sig	chr1_36737860
chr12	1.32E+08	132173296	+	2.703E-18	5.0391E-17	-0.28994	hypo	sig	chr12_132173296
chr16	31000956	31000956	+	2.704E-18	5.0398E-17	-0.32594	hypo	sig	chr16_31000956
chr17	81392389	81392389	+	2.706E-18	5.0434E-17	0.349442	hyper	sig	chr17_81392389
chr6	50851013	50851013	+	2.706E-18	5.0446E-17	0.254961	hyper	sig	chr6_50851013
chr16	88101205	88101205	+	2.707E-18	5.0452E-17	0.318621	hyper	sig	chr16_88101205
chr14	28768308	28768308	+	2.708E-18	5.048E-17	0.33612	hyper	sig	chr14_28768308
chr19	46079119	46079119	+	2.712E-18	5.0548E-17	0.352839	hyper	sig	chr19_46079119
chr19	19529117	19529117	+	2.713E-18	5.0563E-17	0.374627	hyper	sig	chr19_19529117
chr9	1.37E+08	136738451	+	2.714E-18	5.0578E-17	-0.27771	hypo	sig	chr9_136738451
chr12	1.2E+08	119804026	+	2.714E-18	5.058E-17	0.306262	hyper	sig	chr12_119804026
chr17	81445117	81445117	+	2.714E-18	5.0584E-17	-0.27627	hypo	sig	chr17_81445117
chr11	2591595	2591595	+	2.718E-18	5.065E-17	0.233744	hyper	sig	chr11_2591595
chr1	16872426	16872426	+	2.722E-18	5.0732E-17	0.251275	hyper	sig	chr1_16872426
chr11	1.32E+08	131663390	+	2.722E-18	5.0732E-17	-0.22822	hypo	sig	chr11_131663390
chr2	1284002	1284002	+	2.724E-18	5.0768E-17	0.21025	hyper	sig	chr2_1284002
chr1	58250625	58250625	+	2.726E-18	5.08E-17	0.243285	hyper	sig	chr1_58250625

chr13	1.13E+08	113051416	+	2.73E-18	5.0868E-17	0.345218	hyper	sig	chr13_113051416
chr8	1.08E+08	108083923	+	2.73E-18	5.0868E-17	0.250654	hyper	sig	chr8_108083923
chr1	53735852	53735852	+	2.73E-18	5.0869E-17	-0.24057	hypo	sig	chr1_53735852
chr10	29470505	29470505	+	2.73E-18	5.0869E-17	0.310408	hyper	sig	chr10_29470505
chr2	68775059	68775059	+	2.731E-18	5.0876E-17	-0.291	hypo	sig	chr2_68775059
chr21	26967846	26967846	+	2.733E-18	5.0915E-17	0.248307	hyper	sig	chr21_26967846
chr16	1543391	1543391	+	2.737E-18	5.0998E-17	-0.32268	hypo	sig	chr16_1543391
chr9	1.37E+08	136821235	+	2.739E-18	5.1022E-17	0.246836	hyper	sig	chr9_136821235
chr4	7965640	7965640	+	2.744E-18	5.1128E-17	-0.25329	hypo	sig	chr4_7965640
chr15	52788279	52788279	+	2.745E-18	5.1145E-17	0.245825	hyper	sig	chr15_52788279
chr21	44709723	44709723	+	2.746E-18	5.115E-17	0.265348	hyper	sig	chr21_44709723
chr11	1.33E+08	132712655	+	2.748E-18	5.1182E-17	0.248842	hyper	sig	chr11_132712655
chr1	2.34E+08	233904328	+	2.748E-18	5.1199E-17	0.251784	hyper	sig	chr1_233904328
chr15	74824728	74824728	+	2.75E-18	5.1234E-17	-0.29046	hypo	sig	chr15_74824728
chr5	1.79E+08	178994283	+	2.752E-18	5.1263E-17	0.345694	hyper	sig	chr5_178994283
chr3	1.82E+08	181727094	+	2.752E-18	5.1266E-17	0.228039	hyper	sig	chr3_181727094
chr10	1.32E+08	131937907	+	2.757E-18	5.1343E-17	0.212477	hyper	sig	chr10_131937907
chr11	1.29E+08	128521599	+	2.761E-18	5.1425E-17	0.264369	hyper	sig	chr11_128521599
chr13	23945918	23945918	+	2.765E-18	5.1499E-17	0.281706	hyper	sig	chr13_23945918
chr2	2.32E+08	232459008	+	2.765E-18	5.1503E-17	0.276456	hyper	sig	chr2_232459008
chr12	45051096	45051096	+	2.772E-18	5.1616E-17	0.275243	hyper	sig	chr12_45051096
chr14	69850388	69850388	+	2.773E-18	5.1642E-17	-0.34696	hypo	sig	chr14_69850388
chr21	36708675	36708675	+	2.777E-18	5.1722E-17	0.436582	hyper	sig	chr21_36708675
chr4	1404341	1404341	+	2.78E-18	5.1763E-17	0.330784	hyper	sig	chr4_1404341
chr1	44638196	44638196	+	2.781E-18	5.1789E-17	0.287558	hyper	sig	chr1_44638196
chr6	30111626	30111626	+	2.782E-18	5.1796E-17	-0.22512	hypo	sig	chr6_30111626
chr4	1099873	1099873	+	2.784E-18	5.1837E-17	-0.23347	hypo	sig	chr4_1099873
chr5	1.41E+08	141430995	+	2.787E-18	5.1886E-17	0.24514	hyper	sig	chr5_141430995
chr7	1.29E+08	128872669	+	2.788E-18	5.1914E-17	-0.31329	hypo	sig	chr7_128872669
chr8	98949797	98949797	+	2.79E-18	5.1955E-17	0.300231	hyper	sig	chr8_98949797
chr6	1E+08	100465176	+	2.795E-18	5.2041E-17	0.341231	hyper	sig	chr6_100465176
chr19	49036583	49036583	+	2.795E-18	5.2044E-17	-0.27162	hypo	sig	chr19_49036583
chr5	73232305	73232305	+	2.797E-18	5.2072E-17	0.305002	hyper	sig	chr5_73232305
chr1	1.48E+08	148328978	+	2.803E-18	5.2192E-17	0.263064	hyper	sig	chr1_148328978
chr7	19143956	19143956	+	2.813E-18	5.2365E-17	0.268578	hyper	sig	chr7_19143956
chr20	46550774	46550774	+	2.814E-18	5.2382E-17	-0.26938	hypo	sig	chr20_46550774
chr13	1.11E+08	110820731	+	2.819E-18	5.2471E-17	-0.30099	hypo	sig	chr13_110820731
chr11	62688364	62688364	+	2.821E-18	5.2513E-17	0.387434	hyper	sig	chr11_62688364
chr17	63700995	63700995	+	2.825E-18	5.258E-17	0.250153	hyper	sig	chr17_63700995
chr6	10841421	10841421	+	2.83E-18	5.2671E-17	-0.30201	hypo	sig	chr6_10841421
chr7	73704189	73704189	+	2.831E-18	5.2689E-17	0.242692	hyper	sig	chr7_73704189
chr3	50350392	50350392	+	2.839E-18	5.2835E-17	0.254503	hyper	sig	chr3_50350392
chr8	1.08E+08	108082353	+	2.841E-18	5.2872E-17	0.259745	hyper	sig	chr8_108082353
chr2	1.87E+08	187002302	+	2.842E-18	5.2892E-17	-0.31921	hypo	sig	chr2_187002302
chr7	1.18E+08	118214580	+	2.842E-18	5.29E-17	0.213764	hyper	sig	chr7_118214580
chr7	1.59E+08	158586496	+	2.843E-18	5.2908E-17	0.246267	hyper	sig	chr7_158586496
chr6	34521877	34521877	+	2.843E-18	5.2914E-17	-0.252	hypo	sig	chr6_34521877
chr18	21242940	21242940	+	2.845E-18	5.2949E-17	0.276965	hyper	sig	chr18_21242940
chr17	82000691	82000691	+	2.845E-18	5.2951E-17	-0.28392	hypo	sig	chr17_82000691
chr6	1.7E+08	170280799	+	2.845E-18	5.2951E-17	-0.2282	hypo	sig	chr6_170280799
chr4	2036632	2036632	+	2.847E-18	5.2973E-17	-0.22754	hypo	sig	chr4_2036632
chr16	81005915	81005915	+	2.853E-18	5.3092E-17	-0.31182	hypo	sig	chr16_81005915
chr13	1.14E+08	114029924	+	2.854E-18	5.3113E-17	-0.33276	hypo	sig	chr13_114029924
chr2	1.15E+08	115162395	+	2.858E-18	5.3179E-17	0.2605	hyper	sig	chr2_115162395
chr19	34905314	34905314	+	2.858E-18	5.3181E-17	0.273396	hyper	sig	chr19_34905314
chr4	4226500	4226500	+	2.86E-18	5.3214E-17	0.257898	hyper	sig	chr4_4226500

chr1	1.19E+08	118987523	+	2.86E-18	5.3221E-17	0.266696	hyper	sig	chr1_118987523
chr5	88672027	88672027	+	2.861E-18	5.3232E-17	0.251527	hyper	sig	chr5_88672027
chr7	56828227	56828227	+	2.862E-18	5.324E-17	-0.32704	hypo	sig	chr7_56828227
chr2	44803197	44803197	+	2.863E-18	5.3266E-17	0.291943	hyper	sig	chr2_44803197
chr20	23048661	23048661	+	2.866E-18	5.3328E-17	0.257791	hyper	sig	chr20_23048661
chr7	1647172	1647172	+	2.868E-18	5.3351E-17	-0.26904	hypo	sig	chr7_1647172
chr4	7985741	7985741	+	2.868E-18	5.3354E-17	-0.3342	hypo	sig	chr4_7985741
chr12	56454516	56454516	+	2.869E-18	5.337E-17	-0.33418	hypo	sig	chr12_56454516
chr14	47675850	47675850	+	2.872E-18	5.3424E-17	0.269677	hyper	sig	chr14_47675850
chr17	10036804	10036804	+	2.872E-18	5.3433E-17	-0.20956	hypo	sig	chr17_10036804
chr4	41256827	41256827	+	2.873E-18	5.344E-17	0.345449	hyper	sig	chr4_41256827
chr7	1.57E+08	157004264	+	2.875E-18	5.3468E-17	0.211948	hyper	sig	chr7_157004264
chr7	1.28E+08	128104410	+	2.875E-18	5.3483E-17	0.201242	hyper	sig	chr7_128104410
chr7	1.02E+08	101784443	+	2.876E-18	5.3492E-17	-0.28367	hypo	sig	chr7_101784443
chr7	73833291	73833291	+	2.877E-18	5.3508E-17	-0.31016	hypo	sig	chr7_73833291
chr2	8515544	8515544	+	2.877E-18	5.3518E-17	-0.28755	hypo	sig	chr2_8515544
chr9	1.37E+08	137048723	+	2.878E-18	5.3528E-17	0.342788	hyper	sig	chr9_137048723
chr8	64578649	64578649	+	2.879E-18	5.3549E-17	0.220493	hyper	sig	chr8_64578649
chr8	22231870	22231870	+	2.88E-18	5.3557E-17	0.255154	hyper	sig	chr8_22231870
chr14	28774340	28774340	+	2.883E-18	5.3609E-17	0.289632	hyper	sig	chr14_28774340
chr10	90857118	90857118	+	2.883E-18	5.3616E-17	0.332682	hyper	sig	chr10_90857118
chr14	84091706	84091706	+	2.884E-18	5.3636E-17	-0.33412	hypo	sig	chr14_84091706
chr10	68957576	68957576	+	2.889E-18	5.3716E-17	-0.21485	hypo	sig	chr10_68957576
chr7	98870485	98870485	+	2.889E-18	5.372E-17	0.213108	hyper	sig	chr7_98870485
chr10	86668465	86668465	+	2.891E-18	5.3756E-17	0.276499	hyper	sig	chr10_86668465
chr1	47434470	47434470	+	2.891E-18	5.376E-17	0.280112	hyper	sig	chr1_47434470
chr1	3423358	3423358	+	2.892E-18	5.3765E-17	-0.28407	hypo	sig	chr1_3423358
chr17	50571858	50571858	+	2.892E-18	5.3774E-17	-0.25718	hypo	sig	chr17_50571858
chr2	1.9E+08	189582066	+	2.899E-18	5.3892E-17	-0.30214	hypo	sig	chr2_189582066
chr20	25083672	25083672	+	2.902E-18	5.3946E-17	0.319723	hyper	sig	chr20_25083672
chr19	41090212	41090212	+	2.903E-18	5.3969E-17	0.282008	hyper	sig	chr19_41090212
chr6	391419	391419	+	2.904E-18	5.3992E-17	0.239	hyper	sig	chr6_391419
chr11	71615572	71615572	+	2.906E-18	5.4018E-17	-0.2822	hypo	sig	chr11_71615572
chr4	1.83E+08	182801878	+	2.907E-18	5.4031E-17	-0.32207	hypo	sig	chr4_182801878
chr11	1.12E+08	111961191	+	2.907E-18	5.4035E-17	-0.24942	hypo	sig	chr11_111961191
chr5	1.41E+08	140801586	+	2.908E-18	5.4054E-17	0.267365	hyper	sig	chr5_140801586
chr18	47931974	47931974	+	2.908E-18	5.4056E-17	-0.28389	hypo	sig	chr18_47931974
chr8	12011240	12011240	+	2.908E-18	5.4056E-17	-0.32164	hypo	sig	chr8_12011240
chr3	44021925	44021925	+	2.912E-18	5.4126E-17	0.248812	hyper	sig	chr3_44021925
chr4	1.21E+08	121380877	+	2.912E-18	5.4131E-17	0.240127	hyper	sig	chr4_121380877
chr1	1.48E+08	148354544	+	2.913E-18	5.4147E-17	0.3385	hyper	sig	chr1_148354544
chr5	3393758	3393758	+	2.914E-18	5.4153E-17	-0.26815	hypo	sig	chr5_3393758
chr3	45035825	45035825	+	2.918E-18	5.4226E-17	0.244945	hyper	sig	chr3_45035825
chr14	76813284	76813284	+	2.92E-18	5.4261E-17	-0.36386	hypo	sig	chr14_76813284
chr2	1.81E+08	181457103	+	2.921E-18	5.4282E-17	0.244622	hyper	sig	chr2_181457103
chr10	1.3E+08	129959460	+	2.931E-18	5.4462E-17	0.217643	hyper	sig	chr10_129959460
chr1	3565119	3565119	+	2.931E-18	5.4474E-17	-0.36348	hypo	sig	chr1_3565119
chr19	29526624	29526624	+	2.933E-18	5.4501E-17	0.274043	hyper	sig	chr19_29526624
chr7	1419430	1419430	+	2.933E-18	5.4507E-17	-0.31268	hypo	sig	chr7_1419430
chr1	37475795	37475795	+	2.936E-18	5.4565E-17	-0.28258	hypo	sig	chr1_37475795
chr16	85179381	85179381	+	2.938E-18	5.4594E-17	-0.25472	hypo	sig	chr16_85179381
chr17	79423292	79423292	+	2.939E-18	5.4611E-17	-0.2954	hypo	sig	chr17_79423292
chr8	1.4E+08	140100183	+	2.939E-18	5.4616E-17	0.243055	hyper	sig	chr8_140100183
chr11	1.03E+08	103109773	+	2.941E-18	5.4644E-17	0.20291	hyper	sig	chr11_103109773
chr11	624559	624559	+	2.942E-18	5.4657E-17	-0.27733	hypo	sig	chr11_624559
chr1	11701689	11701689	+	2.944E-18	5.4688E-17	0.259921	hyper	sig	chr1_11701689

chr10	50660189	50660189	+	2.944E-18	5.469E-17	-0.23668	hypo	sig	chr10_50660189
chr5	1.41E+08	141361764	+	2.944E-18	5.4699E-17	0.279364	hyper	sig	chr5_141361764
chr9	1.28E+08	128149513	+	2.945E-18	5.4713E-17	-0.27891	hypo	sig	chr9_128149513
chr1	1.21E+08	121117004	+	2.951E-18	5.482E-17	0.339122	hyper	sig	chr1_121117004
chr10	3288329	3288329	+	2.951E-18	5.4827E-17	-0.31022	hypo	sig	chr10_3288329
chr14	95314007	95314007	+	2.953E-18	5.4865E-17	-0.21428	hypo	sig	chr14_95314007
chr12	1.14E+08	114409044	+	2.954E-18	5.4865E-17	0.238635	hyper	sig	chr12_114409044
chr4	1099830	1099830	+	2.958E-18	5.4944E-17	-0.25847	hypo	sig	chr4_1099830
chr21	33026224	33026224	+	2.959E-18	5.4961E-17	0.27096	hyper	sig	chr21_33026224
chr13	26686939	26686939	+	2.961E-18	5.4996E-17	-0.21013	hypo	sig	chr13_26686939
chr6	1.16E+08	116367025	+	2.962E-18	5.5018E-17	-0.29862	hypo	sig	chr6_116367025
chr12	644017	644017	+	2.966E-18	5.5096E-17	-0.25744	hypo	sig	chr12_644017
chr2	1.37E+08	136764794	+	2.967E-18	5.5111E-17	0.26115	hyper	sig	chr2_136764794
chr3	1.71E+08	170584902	+	2.968E-18	5.5125E-17	0.353948	hyper	sig	chr3_170584902
chr6	50849598	50849598	+	2.969E-18	5.5148E-17	0.277197	hyper	sig	chr6_50849598
chr3	1.41E+08	141052256	+	2.97E-18	5.5165E-17	0.310747	hyper	sig	chr3_141052256
chr5	1.41E+08	141149997	+	2.97E-18	5.5165E-17	0.279116	hyper	sig	chr5_141149997
chr12	81077902	81077902	+	2.972E-18	5.5193E-17	0.259151	hyper	sig	chr12_81077902
chr10	1.17E+08	117132973	+	2.974E-18	5.5228E-17	0.229692	hyper	sig	chr10_117132973
chr2	1.72E+08	172093630	+	2.976E-18	5.5257E-17	0.258544	hyper	sig	chr2_172093630
chr7	24978856	24978856	+	2.976E-18	5.5258E-17	-0.25823	hypo	sig	chr7_24978856
chr7	1.08E+08	108455476	+	2.976E-18	5.5264E-17	0.241046	hyper	sig	chr7_108455476
chr3	1.47E+08	147380608	+	2.977E-18	5.527E-17	0.233716	hyper	sig	chr3_147380608
chr5	88690241	88690241	+	2.978E-18	5.5297E-17	0.215905	hyper	sig	chr5_88690241
chr5	1.16E+08	115958712	+	2.978E-18	5.5297E-17	-0.28205	hypo	sig	chr5_115958712
chr5	1446108	1446108	+	2.979E-18	5.5314E-17	0.275825	hyper	sig	chr5_1446108
chr7	8443700	8443700	+	2.979E-18	5.5314E-17	0.296168	hyper	sig	chr7_8443700
chr1	16678280	16678280	+	2.98E-18	5.5322E-17	-0.21996	hypo	sig	chr1_16678280
chr20	32536092	32536092	+	2.98E-18	5.5331E-17	-0.28743	hypo	sig	chr20_32536092
chr3	1.18E+08	117997274	+	2.981E-18	5.5335E-17	0.342635	hyper	sig	chr3_117997274
chr5	16180263	16180263	+	2.982E-18	5.5359E-17	0.323377	hyper	sig	chr5_16180263
chr10	1.3E+08	129969765	+	2.983E-18	5.5381E-17	0.248428	hyper	sig	chr10_129969765
chr1	2.48E+08	247937170	+	2.986E-18	5.5433E-17	0.22164	hyper	sig	chr1_247937170
chr13	20946329	20946329	+	2.988E-18	5.5468E-17	0.302667	hyper	sig	chr13_20946329
chr11	1.23E+08	122980440	+	2.988E-18	5.5469E-17	0.22574	hyper	sig	chr11_122980440
chr3	14810283	14810283	+	2.988E-18	5.5472E-17	0.223158	hyper	sig	chr3_14810283
chr12	1.31E+08	130716170	+	2.989E-18	5.5488E-17	0.24197	hyper	sig	chr12_130716170
chr13	94712310	94712310	+	2.99E-18	5.5496E-17	0.221753	hyper	sig	chr13_94712310
chr5	1.41E+08	140786587	+	2.99E-18	5.5498E-17	0.264919	hyper	sig	chr5_140786587
chr22	37805683	37805683	+	2.992E-18	5.5527E-17	0.205069	hyper	sig	chr22_37805683
chr20	36860691	36860691	+	2.995E-18	5.5586E-17	0.244208	hyper	sig	chr20_36860691
chr20	63126474	63126474	+	2.999E-18	5.5655E-17	-0.34692	hypo	sig	chr20_63126474
chr6	40595857	40595857	+	3E-18	5.5681E-17	-0.33498	hypo	sig	chr6_40595857
chr6	83853390	83853390	+	3E-18	5.5684E-17	0.206543	hyper	sig	chr6_83853390
chr11	67665210	67665210	+	3.002E-18	5.5715E-17	-0.24962	hypo	sig	chr11_67665210
chr2	70141596	70141596	+	3.002E-18	5.5715E-17	-0.3492	hypo	sig	chr2_70141596
chr4	21949308	21949308	+	3.006E-18	5.5779E-17	0.248493	hyper	sig	chr4_21949308
chr6	1917757	1917757	+	3.007E-18	5.5792E-17	-0.3434	hypo	sig	chr6_1917757
chr7	1.57E+08	157004696	+	3.007E-18	5.5794E-17	0.262523	hyper	sig	chr7_157004696
chr10	42755379	42755379	+	3.007E-18	5.5796E-17	0.234287	hyper	sig	chr10_42755379
chr6	29792140	29792140	+	3.013E-18	5.5906E-17	0.266417	hyper	sig	chr6_29792140
chr8	1.4E+08	139703356	+	3.015E-18	5.5945E-17	0.419241	hyper	sig	chr8_139703356
chr8	76683916	76683916	+	3.018E-18	5.5983E-17	0.263549	hyper	sig	chr8_76683916
chr13	1.13E+08	113178189	+	3.02E-18	5.6028E-17	0.217093	hyper	sig	chr13_113178189
chr10	43573921	43573921	+	3.023E-18	5.6088E-17	0.306267	hyper	sig	chr10_43573921
chr5	1.41E+08	141393464	+	3.025E-18	5.6109E-17	0.272034	hyper	sig	chr5_141393464

chr6	1E+08	100458786	+	3.028E-18	5.6169E-17	0.277405	hyper	sig	chr6_100458786
chr17	79379414	79379414	+	3.028E-18	5.6171E-17	-0.28019	hypo	sig	chr17_79379414
chr10	1.33E+08	133309917	+	3.03E-18	5.621E-17	-0.24674	hypo	sig	chr10_133309917
chr17	49910728	49910728	+	3.03E-18	5.6211E-17	0.310144	hyper	sig	chr17_49910728
chr9	1.28E+08	127942841	+	3.031E-18	5.6211E-17	0.213021	hyper	sig	chr9_127942841
chr6	1.53E+08	152637354	+	3.032E-18	5.6239E-17	0.208534	hyper	sig	chr6_152637354
chr11	1.21E+08	120563682	+	3.032E-18	5.6241E-17	-0.31	hypo	sig	chr11_120563682
chr7	1.22E+08	122310851	+	3.033E-18	5.6261E-17	0.275315	hyper	sig	chr7_122310851
chr14	32933866	32933866	+	3.036E-18	5.6307E-17	0.232833	hyper	sig	chr14_32933866
chr19	52370106	52370106	+	3.037E-18	5.6314E-17	0.239863	hyper	sig	chr19_52370106
chr12	51864451	51864451	+	3.037E-18	5.6321E-17	0.242407	hyper	sig	chr12_51864451
chr13	27793117	27793117	+	3.038E-18	5.6337E-17	0.403569	hyper	sig	chr13_27793117
chr1	18795306	18795306	+	3.04E-18	5.6368E-17	-0.25118	hypo	sig	chr1_18795306
chr9	1.14E+08	113609754	+	3.04E-18	5.637E-17	0.25585	hyper	sig	chr9_113609754
chr6	29790866	29790866	+	3.046E-18	5.6488E-17	-0.35055	hypo	sig	chr6_29790866
chr8	71844421	71844421	+	3.047E-18	5.6504E-17	0.287852	hyper	sig	chr8_71844421
chr13	78594235	78594235	+	3.048E-18	5.6518E-17	0.260682	hyper	sig	chr13_78594235
chr10	571248	571248	+	3.052E-18	5.6595E-17	0.302675	hyper	sig	chr10_571248
chr21	36694693	36694693	+	3.054E-18	5.6622E-17	0.321962	hyper	sig	chr21_36694693
chr3	1.49E+08	148697676	+	3.057E-18	5.6683E-17	0.284088	hyper	sig	chr3_148697676
chr1	1.44E+08	143699303	+	3.058E-18	5.6693E-17	0.306509	hyper	sig	chr1_143699303
chr11	66049090	66049090	+	3.058E-18	5.6693E-17	0.282774	hyper	sig	chr11_66049090
chr15	28832135	28832135	+	3.06E-18	5.672E-17	0.292185	hyper	sig	chr15_28832135
chr8	38789996	38789996	+	3.061E-18	5.6738E-17	0.218632	hyper	sig	chr8_38789996
chr14	66012859	66012859	+	3.061E-18	5.6745E-17	-0.33149	hypo	sig	chr14_66012859
chr6	1.61E+08	161139999	+	3.061E-18	5.6745E-17	-0.26692	hypo	sig	chr6_161139999
chr10	1.24E+08	123891497	+	3.061E-18	5.6747E-17	0.268071	hyper	sig	chr10_123891497
chr13	78596952	78596952	+	3.062E-18	5.6757E-17	0.24707	hyper	sig	chr13_78596952
chr7	1.55E+08	155465725	+	3.065E-18	5.681E-17	0.314053	hyper	sig	chr7_155465725
chr10	46578181	46578181	+	3.066E-18	5.6835E-17	0.392094	hyper	sig	chr10_46578181
chr8	1.44E+08	144049563	+	3.067E-18	5.6855E-17	0.216758	hyper	sig	chr8_144049563
chr10	7411954	7411954	+	3.07E-18	5.6899E-17	0.362289	hyper	sig	chr10_7411954
chr11	1.18E+08	117872881	+	3.074E-18	5.698E-17	0.369157	hyper	sig	chr11_117872881
chr5	1.14E+08	114056016	+	3.075E-18	5.6998E-17	0.244917	hyper	sig	chr5_114056016
chr8	30028756	30028756	+	3.076E-18	5.7012E-17	-0.27444	hypo	sig	chr8_30028756
chr12	56957438	56957438	+	3.077E-18	5.7019E-17	-0.30214	hypo	sig	chr12_56957438
chr1	2.03E+08	203185251	+	3.079E-18	5.7065E-17	-0.27992	hypo	sig	chr1_203185251
chr20	62551782	62551782	+	3.08E-18	5.7077E-17	0.217175	hyper	sig	chr20_62551782
chr5	1.5E+08	150256732	+	3.08E-18	5.7079E-17	-0.25572	hypo	sig	chr5_150256732
chr2	2.22E+08	222302799	+	3.081E-18	5.7088E-17	0.22829	hyper	sig	chr2_222302799
chr19	45217568	45217568	+	3.082E-18	5.7111E-17	0.200148	hyper	sig	chr19_45217568
chr8	41309588	41309588	+	3.09E-18	5.7258E-17	0.219967	hyper	sig	chr8_41309588
chr6	30154788	30154788	+	3.091E-18	5.727E-17	-0.24224	hypo	sig	chr6_30154788
chr7	1705608	1705608	+	3.091E-18	5.727E-17	-0.28344	hypo	sig	chr7_1705608
chr1	75131853	75131853	+	3.091E-18	5.7275E-17	0.219002	hyper	sig	chr1_75131853
chr19	12513650	12513650	+	3.099E-18	5.7412E-17	0.32523	hyper	sig	chr19_12513650
chr2	1.39E+08	138780159	+	3.1E-18	5.743E-17	0.245178	hyper	sig	chr2_138780159
chr7	48847962	48847962	+	3.104E-18	5.7509E-17	0.287673	hyper	sig	chr7_48847962
chr8	1.44E+08	143950440	+	3.108E-18	5.7581E-17	-0.34196	hypo	sig	chr8_143950440
chr10	27413656	27413656	+	3.109E-18	5.7594E-17	0.342186	hyper	sig	chr10_27413656
chr6	1.5E+08	149965372	+	3.112E-18	5.7652E-17	0.25378	hyper	sig	chr6_149965372
chr22	31103632	31103632	+	3.117E-18	5.7736E-17	0.217654	hyper	sig	chr22_31103632
chr11	1.25E+08	124748511	+	3.118E-18	5.7763E-17	0.227433	hyper	sig	chr11_124748511
chr1	10903875	10903875	+	3.12E-18	5.7805E-17	-0.27401	hypo	sig	chr1_10903875
chr6	1.29E+08	128883302	+	3.122E-18	5.7824E-17	0.248247	hyper	sig	chr6_128883302
chr13	1.1E+08	110341219	+	3.122E-18	5.7835E-17	0.260138	hyper	sig	chr13_110341219

chr14	94891704	94891704	+	3.124E-18	5.7866E-17	-0.24928	hypo	sig	chr14_94891704
chr11	1.13E+08	113387635	+	3.125E-18	5.7891E-17	0.279835	hyper	sig	chr11_113387635
chr1	1.57E+08	156845157	+	3.129E-18	5.7954E-17	0.282799	hyper	sig	chr1_156845157
chr2	1.76E+08	176083383	+	3.129E-18	5.7959E-17	0.246981	hyper	sig	chr2_176083383
chr17	42685270	42685270	+	3.131E-18	5.7989E-17	0.305444	hyper	sig	chr17_42685270
chr8	1676652	1676652	+	3.132E-18	5.8009E-17	-0.24107	hypo	sig	chr8_1676652
chr14	74241204	74241204	+	3.133E-18	5.8022E-17	0.310232	hyper	sig	chr14_74241204
chr11	61827542	61827542	+	3.135E-18	5.8051E-17	0.205656	hyper	sig	chr11_61827542
chr11	2211952	2211952	+	3.135E-18	5.8053E-17	-0.36522	hypo	sig	chr11_2211952
chr5	1.59E+08	159097331	+	3.135E-18	5.8066E-17	0.315381	hyper	sig	chr5_159097331
chr11	33703592	33703592	+	3.138E-18	5.8111E-17	-0.27931	hypo	sig	chr11_33703592
chr7	1513514	1513514	+	3.138E-18	5.8111E-17	-0.31517	hypo	sig	chr7_1513514
chr2	2.39E+08	239062370	+	3.144E-18	5.8223E-17	-0.27107	hypo	sig	chr2_239062370
chr2	1.98E+08	197786632	+	3.147E-18	5.8265E-17	0.234479	hyper	sig	chr2_197786632
chr17	82247605	82247605	+	3.149E-18	5.8301E-17	0.200068	hyper	sig	chr17_82247605
chr1	58573920	58573920	+	3.154E-18	5.839E-17	-0.27951	hypo	sig	chr1_58573920
chr8	49911749	49911749	+	3.154E-18	5.8392E-17	0.271205	hyper	sig	chr8_49911749
chr7	54542326	54542326	+	3.155E-18	5.8403E-17	0.317724	hyper	sig	chr7_54542326
chr1	90723757	90723757	+	3.157E-18	5.8446E-17	0.239812	hyper	sig	chr1_90723757
chr14	20687527	20687527	+	3.158E-18	5.8456E-17	-0.27269	hypo	sig	chr14_20687527
chr5	15500658	15500658	+	3.158E-18	5.8472E-17	0.220449	hyper	sig	chr5_15500658
chr6	1E+08	100458765	+	3.159E-18	5.849E-17	0.281312	hyper	sig	chr6_100458765
chr8	54459964	54459964	+	3.16E-18	5.8502E-17	0.294041	hyper	sig	chr8_54459964
chr15	71810793	71810793	+	3.161E-18	5.8521E-17	-0.31244	hypo	sig	chr15_71810793
chr1	78491530	78491530	+	3.165E-18	5.8578E-17	0.230491	hyper	sig	chr1_78491530
chr2	2767914	2767914	+	3.17E-18	5.8671E-17	-0.26696	hypo	sig	chr2_2767914
chr6	31176291	31176291	+	3.171E-18	5.8699E-17	0.272222	hyper	sig	chr6_31176291
chr16	89247971	89247971	+	3.172E-18	5.8719E-17	0.369115	hyper	sig	chr16_89247971
chr14	56808564	56808564	+	3.174E-18	5.8743E-17	0.262552	hyper	sig	chr14_56808564
chr1	2922755	2922755	+	3.175E-18	5.8772E-17	-0.26056	hypo	sig	chr1_2922755
chr4	1.11E+08	110618302	+	3.176E-18	5.878E-17	0.213964	hyper	sig	chr4_110618302
chr2	38075411	38075411	+	3.178E-18	5.8809E-17	0.375582	hyper	sig	chr2_38075411
chr16	89540733	89540733	+	3.178E-18	5.8821E-17	0.293988	hyper	sig	chr16_89540733
chr17	81839180	81839180	+	3.178E-18	5.8821E-17	0.242105	hyper	sig	chr17_81839180
chr7	1747535	1747535	+	3.18E-18	5.885E-17	-0.30105	hypo	sig	chr7_1747535
chr2	1.44E+08	143937570	+	3.188E-18	5.8993E-17	0.252808	hyper	sig	chr2_143937570
chr1	1.19E+08	118989998	+	3.189E-18	5.9003E-17	0.292363	hyper	sig	chr1_118989998
chr5	1885427	1885427	+	3.19E-18	5.9019E-17	0.28897	hyper	sig	chr5_1885427
chr12	45051082	45051082	+	3.19E-18	5.9029E-17	0.286786	hyper	sig	chr12_45051082
chr13	1.1E+08	110387927	+	3.19E-18	5.9029E-17	0.325506	hyper	sig	chr13_110387927
chr2	97724072	97724072	+	3.192E-18	5.9068E-17	0.255977	hyper	sig	chr2_97724072
chr1	12047607	12047607	+	3.194E-18	5.9098E-17	-0.32588	hypo	sig	chr1_12047607
chr7	4114069	4114069	+	3.196E-18	5.9122E-17	-0.3231	hypo	sig	chr7_4114069
chr4	1.57E+08	157221689	+	3.198E-18	5.9159E-17	0.34909	hyper	sig	chr4_157221689
chr7	23585386	23585386	+	3.2E-18	5.9198E-17	-0.25035	hypo	sig	chr7_23585386
chr11	1.29E+08	128693067	+	3.203E-18	5.9261E-17	0.215704	hyper	sig	chr11_128693067
chr1	20343350	20343350	+	3.204E-18	5.9279E-17	0.306087	hyper	sig	chr1_20343350
chr12	4909496	4909496	+	3.206E-18	5.931E-17	0.321914	hyper	sig	chr12_4909496
chr5	1.41E+08	141364981	+	3.206E-18	5.931E-17	0.265261	hyper	sig	chr5_141364981
chr1	42152576	42152576	+	3.207E-18	5.9313E-17	-0.23103	hypo	sig	chr1_42152576
chr15	52798610	52798610	+	3.209E-18	5.9366E-17	0.25674	hyper	sig	chr15_52798610
chr7	56495325	56495325	+	3.211E-18	5.9392E-17	-0.30448	hypo	sig	chr7_56495325
chr13	36432255	36432255	+	3.213E-18	5.9425E-17	0.276056	hyper	sig	chr13_36432255
chr8	1.01E+08	100726511	+	3.214E-18	5.9446E-17	-0.23984	hypo	sig	chr8_100726511
chr13	1.13E+08	112638388	+	3.216E-18	5.9486E-17	-0.36977	hypo	sig	chr13_112638388
chr10	80535650	80535650	+	3.222E-18	5.9591E-17	-0.24043	hypo	sig	chr10_80535650

chr12	53975552	53975552	+	3.224E-18	5.9627E-17	0.236907	hyper	sig	chr12_53975552
chr5	1.78E+08	177996998	+	3.224E-18	5.9631E-17	-0.23086	hypo	sig	chr5_177996998
chr17	48554586	48554586	+	3.224E-18	5.9632E-17	0.284488	hyper	sig	chr17_48554586
chr10	23172662	23172662	+	3.226E-18	5.9663E-17	0.303705	hyper	sig	chr10_23172662
chr12	72271942	72271942	+	3.228E-18	5.9697E-17	0.300526	hyper	sig	chr12_72271942
chr10	1.16E+08	116274340	+	3.229E-18	5.9717E-17	0.263718	hyper	sig	chr10_116274340
chr8	11703061	11703061	+	3.23E-18	5.9725E-17	0.242036	hyper	sig	chr8_11703061
chr2	2.22E+08	222299085	+	3.232E-18	5.9767E-17	0.236449	hyper	sig	chr2_222299085
chr19	58155465	58155465	+	3.232E-18	5.977E-17	0.229724	hyper	sig	chr19_58155465
chr20	31608958	31608958	+	3.233E-18	5.9781E-17	-0.22192	hypo	sig	chr20_31608958
chr2	1.92E+08	192194888	+	3.234E-18	5.9802E-17	0.266511	hyper	sig	chr2_192194888
chr12	7873919	7873919	+	3.236E-18	5.9833E-17	-0.24653	hypo	sig	chr12_7873919
chr16	88967371	88967371	+	3.236E-18	5.9835E-17	-0.27362	hypo	sig	chr16_88967371
chr12	1500225	1500225	+	3.237E-18	5.9844E-17	-0.2603	hypo	sig	chr12_1500225
chr1	86156911	86156911	+	3.237E-18	5.9856E-17	0.204107	hyper	sig	chr1_86156911
chr1	9875570	9875570	+	3.244E-18	5.997E-17	0.259069	hyper	sig	chr1_9875570
chr1	2.2E+08	219958795	+	3.244E-18	5.9979E-17	-0.23861	hypo	sig	chr1_219958795
chr19	2332500	2332500	+	3.253E-18	6.0139E-17	-0.23441	hypo	sig	chr19_2332500
chr1	1.21E+08	121009588	+	3.255E-18	6.0169E-17	0.252987	hyper	sig	chr1_121009588
chr17	79789698	79789698	+	3.255E-18	6.0179E-17	0.31725	hyper	sig	chr17_79789698
chr21	36704469	36704469	+	3.258E-18	6.0226E-17	0.405466	hyper	sig	chr21_36704469
chr2	2.19E+08	219358599	+	3.262E-18	6.0306E-17	0.307595	hyper	sig	chr2_219358599
chr19	58118741	58118741	+	3.265E-18	6.0344E-17	0.349246	hyper	sig	chr19_58118741
chr14	1.01E+08	101232830	+	3.267E-18	6.0394E-17	0.240797	hyper	sig	chr14_101232830
chr5	1.81E+08	180644734	+	3.268E-18	6.0409E-17	-0.23293	hypo	sig	chr5_180644734
chr11	27722047	27722047	+	3.271E-18	6.0457E-17	0.274965	hyper	sig	chr11_27722047
chr13	99416856	99416856	+	3.272E-18	6.0479E-17	-0.27176	hypo	sig	chr13_99416856
chr5	1.16E+08	115816322	+	3.276E-18	6.0541E-17	0.267244	hyper	sig	chr5_115816322
chr14	1.06E+08	105707472	+	3.278E-18	6.0581E-17	-0.31286	hypo	sig	chr14_105707472
chr22	21953327	21953327	+	3.278E-18	6.0583E-17	-0.28973	hypo	sig	chr22_21953327
chr8	22203753	22203753	+	3.279E-18	6.0594E-17	-0.28558	hypo	sig	chr8_22203753
chr19	7676839	7676839	+	3.28E-18	6.0613E-17	-0.21103	hypo	sig	chr19_7676839
chr20	64064261	64064261	+	3.283E-18	6.0663E-17	0.278612	hyper	sig	chr20_64064261
chr7	79454533	79454533	+	3.284E-18	6.0687E-17	0.432386	hyper	sig	chr7_79454533
chr8	30532858	30532858	+	3.285E-18	6.07E-17	-0.24115	hypo	sig	chr8_30532858
chr13	52848263	52848263	+	3.287E-18	6.0747E-17	0.259598	hyper	sig	chr13_52848263
chr6	31664020	31664020	+	3.29E-18	6.0784E-17	0.337592	hyper	sig	chr6_31664020
chr10	1.33E+08	133115290	+	3.29E-18	6.0789E-17	-0.36314	hypo	sig	chr10_133115290
chr7	8442602	8442602	+	3.29E-18	6.0794E-17	0.253991	hyper	sig	chr7_8442602
chr13	1.14E+08	114090180	+	3.291E-18	6.0798E-17	-0.34326	hypo	sig	chr13_114090180
chr10	27413626	27413626	+	3.291E-18	6.0806E-17	0.302242	hyper	sig	chr10_27413626
chr17	7380455	7380455	+	3.297E-18	6.0914E-17	0.245208	hyper	sig	chr17_7380455
chr5	3590898	3590898	+	3.298E-18	6.0939E-17	0.243101	hyper	sig	chr5_3590898
chr12	48003836	48003836	+	3.301E-18	6.0977E-17	0.237858	hyper	sig	chr12_48003836
chr2	96762218	96762218	+	3.305E-18	6.1048E-17	-0.24468	hypo	sig	chr2_96762218
chr11	1.06E+08	105610634	+	3.31E-18	6.1139E-17	0.212825	hyper	sig	chr11_105610634
chr16	75516277	75516277	+	3.312E-18	6.1183E-17	0.272097	hyper	sig	chr16_75516277
chr8	1.43E+08	142777154	+	3.313E-18	6.1209E-17	0.240577	hyper	sig	chr8_142777154
chr8	1.43E+08	143173505	+	3.317E-18	6.1278E-17	-0.28401	hypo	sig	chr8_143173505
chr12	1.17E+08	116970179	+	3.317E-18	6.128E-17	0.211225	hyper	sig	chr12_116970179
chr3	43997963	43997963	+	3.319E-18	6.1304E-17	0.265372	hyper	sig	chr3_43997963
chr7	1.57E+08	157004652	+	3.32E-18	6.1324E-17	0.240043	hyper	sig	chr7_157004652
chr20	48827255	48827255	+	3.322E-18	6.1353E-17	0.25295	hyper	sig	chr20_48827255
chr12	48184409	48184409	+	3.325E-18	6.1419E-17	0.23337	hyper	sig	chr12_48184409
chr8	23710028	23710028	+	3.326E-18	6.1428E-17	0.265857	hyper	sig	chr8_23710028
chr5	1.59E+08	159097295	+	3.326E-18	6.1434E-17	0.205812	hyper	sig	chr5_159097295

chr2	2.22E+08	222295484	+	3.327E-18	6.1445E-17	0.266954	hyper	sig	chr2_222295484
chr2	2.32E+08	232355118	+	3.328E-18	6.1466E-17	-0.2452	hypo	sig	chr2_232355118
chr22	20249807	20249807	+	3.332E-18	6.1536E-17	0.254103	hyper	sig	chr22_20249807
chr1	1.83E+08	183186496	+	3.333E-18	6.1557E-17	-0.21794	hypo	sig	chr1_183186496
chr11	64972242	64972242	+	3.335E-18	6.1587E-17	0.288475	hyper	sig	chr11_64972242
chr12	84912692	84912692	+	3.336E-18	6.1606E-17	0.250682	hyper	sig	chr12_84912692
chr20	45306618	45306618	+	3.34E-18	6.1676E-17	0.224899	hyper	sig	chr20_45306618
chr10	79178933	79178933	+	3.341E-18	6.1701E-17	0.248272	hyper	sig	chr10_79178933
chr4	1.85E+08	185016695	+	3.342E-18	6.1716E-17	0.221294	hyper	sig	chr4_185016695
chr16	991360	991360	+	3.346E-18	6.178E-17	-0.30343	hypo	sig	chr16_991360
chr19	49210787	49210787	+	3.346E-18	6.1787E-17	0.279763	hyper	sig	chr19_49210787
chr5	1.31E+08	130993480	+	3.348E-18	6.182E-17	-0.23711	hypo	sig	chr5_130993480
chr8	55103120	55103120	+	3.353E-18	6.1903E-17	0.275435	hyper	sig	chr8_55103120
chr1	1.83E+08	183416826	+	3.356E-18	6.1958E-17	0.237406	hyper	sig	chr1_183416826
chr8	41665898	41665898	+	3.357E-18	6.1982E-17	-0.33022	hypo	sig	chr8_41665898
chr10	1158311	1158311	+	3.358E-18	6.2004E-17	-0.31514	hypo	sig	chr10_1158311
chr5	1.41E+08	141361780	+	3.359E-18	6.2014E-17	0.290589	hyper	sig	chr5_141361780
chr20	708656	708656	+	3.36E-18	6.2031E-17	-0.24099	hypo	sig	chr20_708656
chr2	94998603	94998603	+	3.367E-18	6.2149E-17	0.38024	hyper	sig	chr2_94998603
chr10	1.32E+08	132037157	+	3.374E-18	6.2282E-17	0.200405	hyper	sig	chr10_132037157
chr7	1226014	1226014	+	3.374E-18	6.2282E-17	0.263938	hyper	sig	chr7_1226014
chr16	2082234	2082234	+	3.376E-18	6.231E-17	0.321238	hyper	sig	chr16_2082234
chr14	60507158	60507158	+	3.376E-18	6.2319E-17	0.307823	hyper	sig	chr14_60507158
chr21	9735454	9735454	+	3.376E-18	6.2319E-17	-0.26697	hypo	sig	chr21_9735454
chr1	3248036	3248036	+	3.378E-18	6.2348E-17	0.30521	hyper	sig	chr1_3248036
chr5	1.47E+08	146878301	+	3.381E-18	6.2404E-17	0.200784	hyper	sig	chr5_146878301
chr5	1.41E+08	141224819	+	3.385E-18	6.2483E-17	0.306937	hyper	sig	chr5_141224819
chr15	1E+08	100373718	+	3.389E-18	6.2548E-17	0.284358	hyper	sig	chr15_100373718
chr10	23172651	23172651	+	3.39E-18	6.2556E-17	0.30215	hyper	sig	chr10_23172651
chr1	1.57E+08	156844733	+	3.392E-18	6.2598E-17	0.242487	hyper	sig	chr1_156844733
chr17	4785929	4785929	+	3.392E-18	6.2599E-17	0.335678	hyper	sig	chr17_4785929
chr1	10672058	10672058	+	3.395E-18	6.2647E-17	0.354302	hyper	sig	chr1_10672058
chr3	1.18E+08	117997276	+	3.399E-18	6.2717E-17	0.350136	hyper	sig	chr3_117997276
chr21	46606130	46606130	+	3.399E-18	6.2724E-17	-0.26599	hypo	sig	chr21_46606130
chr2	95026247	95026247	+	3.399E-18	6.2728E-17	0.266267	hyper	sig	chr2_95026247
chr5	32712975	32712975	+	3.4E-18	6.2737E-17	0.289119	hyper	sig	chr5_32712975
chr18	33441029	33441029	+	3.401E-18	6.2758E-17	0.310702	hyper	sig	chr18_33441029
chr4	4858299	4858299	+	3.401E-18	6.2758E-17	0.268389	hyper	sig	chr4_4858299
chr5	3597207	3597207	+	3.402E-18	6.2767E-17	0.288494	hyper	sig	chr5_3597207
chr15	89384549	89384549	+	3.404E-18	6.2796E-17	-0.27226	hypo	sig	chr15_89384549
chr12	1.13E+08	113464958	+	3.405E-18	6.2818E-17	0.325798	hyper	sig	chr12_113464958
chr17	82309199	82309199	+	3.406E-18	6.2842E-17	-0.3182	hypo	sig	chr17_82309199
chr17	82228076	82228076	+	3.406E-18	6.2844E-17	-0.31298	hypo	sig	chr17_82228076
chr3	5023509	5023509	+	3.408E-18	6.2863E-17	-0.29258	hypo	sig	chr3_5023509
chr1	44328486	44328486	+	3.415E-18	6.3001E-17	-0.23504	hypo	sig	chr1_44328486
chr6	27830818	27830818	+	3.419E-18	6.3067E-17	-0.20724	hypo	sig	chr6_27830818
chr4	7650297	7650297	+	3.419E-18	6.3074E-17	-0.3526	hypo	sig	chr4_7650297
chr8	56446154	56446154	+	3.42E-18	6.3085E-17	0.319811	hyper	sig	chr8_56446154
chr13	1.13E+08	113420403	+	3.421E-18	6.311E-17	-0.30445	hypo	sig	chr13_113420403
chr5	1106983	1106983	+	3.426E-18	6.3187E-17	-0.28983	hypo	sig	chr5_1106983
chr15	93041754	93041754	+	3.428E-18	6.3223E-17	-0.23375	hypo	sig	chr15_93041754
chr1	27341834	27341834	+	3.428E-18	6.3228E-17	-0.24219	hypo	sig	chr1_27341834
chr1	78491562	78491562	+	3.432E-18	6.3304E-17	0.239443	hyper	sig	chr1_78491562
chr12	1.25E+08	124563678	+	3.434E-18	6.3334E-17	0.265271	hyper	sig	chr12_124563678
chr14	69850255	69850255	+	3.435E-18	6.3351E-17	-0.32523	hypo	sig	chr14_69850255
chr3	1.82E+08	181727092	+	3.436E-18	6.3359E-17	0.218168	hyper	sig	chr3_181727092

chr15	65093079	65093079	+	3.437E-18	6.3384E-17	0.205243	hyper	sig	chr15_65093079
chr1	2.08E+08	207911089	+	3.439E-18	6.3409E-17	0.266669	hyper	sig	chr1_207911089
chr19	43699457	43699457	+	3.442E-18	6.3472E-17	0.282006	hyper	sig	chr19_43699457
chr4	1.74E+08	173530197	+	3.445E-18	6.3525E-17	0.205524	hyper	sig	chr4_173530197
chr6	31186171	31186171	+	3.445E-18	6.353E-17	-0.28551	hypo	sig	chr6_31186171
chr7	1.55E+08	155294063	+	3.447E-18	6.3557E-17	-0.27395	hypo	sig	chr7_155294063
chr5	1099573	1099573	+	3.448E-18	6.3577E-17	0.346512	hyper	sig	chr5_1099573
chr13	1.02E+08	101917276	+	3.449E-18	6.3595E-17	0.349147	hyper	sig	chr13_101917276
chr6	62286055	62286055	+	3.45E-18	6.3606E-17	0.297505	hyper	sig	chr6_62286055
chr2	582600	582600	+	3.45E-18	6.3614E-17	-0.27715	hypo	sig	chr2_582600
chr13	45713650	45713650	+	3.452E-18	6.3645E-17	-0.26199	hypo	sig	chr13_45713650
chr12	78865082	78865082	+	3.459E-18	6.3762E-17	0.204253	hyper	sig	chr12_78865082
chr1	3217254	3217254	+	3.46E-18	6.378E-17	0.296296	hyper	sig	chr1_3217254
chr3	1.38E+08	137765533	+	3.462E-18	6.3818E-17	0.221328	hyper	sig	chr3_137765533
chr11	46687688	46687688	+	3.465E-18	6.3874E-17	0.271369	hyper	sig	chr11_46687688
chr1	1.51E+08	150979286	+	3.466E-18	6.3886E-17	0.296396	hyper	sig	chr1_150979286
chr22	37335075	37335075	+	3.467E-18	6.3913E-17	0.326525	hyper	sig	chr22_37335075
chr5	891166	891166	+	3.468E-18	6.3928E-17	-0.23895	hypo	sig	chr5_891166
chr8	72251784	72251784	+	3.469E-18	6.3941E-17	0.263556	hyper	sig	chr8_72251784
chr16	67001485	67001485	+	3.469E-18	6.395E-17	0.280383	hyper	sig	chr16_67001485
chr11	57646930	57646930	+	3.47E-18	6.3965E-17	0.319934	hyper	sig	chr11_57646930
chr14	41609952	41609952	+	3.471E-18	6.3971E-17	0.260199	hyper	sig	chr14_41609952
chr9	1.24E+08	124015377	+	3.471E-18	6.3976E-17	0.270807	hyper	sig	chr9_124015377
chr11	65585934	65585934	+	3.474E-18	6.4022E-17	0.267053	hyper	sig	chr11_65585934
chr17	80198412	80198412	+	3.474E-18	6.4023E-17	0.242248	hyper	sig	chr17_80198412
chr15	67063972	67063972	+	3.476E-18	6.4062E-17	-0.25588	hypo	sig	chr15_67063972
chr6	41736134	41736134	+	3.478E-18	6.4103E-17	-0.25413	hypo	sig	chr6_41736134
chr1	3217172	3217172	+	3.481E-18	6.4147E-17	0.328154	hyper	sig	chr1_3217172
chr11	1665412	1665412	+	3.483E-18	6.4183E-17	-0.27113	hypo	sig	chr11_1665412
chr18	57352873	57352873	+	3.483E-18	6.4187E-17	0.321045	hyper	sig	chr18_57352873
chr19	5037178	5037178	+	3.484E-18	6.4197E-17	0.274164	hyper	sig	chr19_5037178
chr20	59604483	59604483	+	3.484E-18	6.4203E-17	0.302674	hyper	sig	chr20_59604483
chr2	1.19E+08	118835027	+	3.484E-18	6.4204E-17	0.248989	hyper	sig	chr2_118835027
chr1	38578466	38578466	+	3.485E-18	6.4209E-17	0.272208	hyper	sig	chr1_38578466
chr16	10682082	10682082	+	3.485E-18	6.4213E-17	-0.29393	hypo	sig	chr16_10682082
chr14	73712323	73712323	+	3.489E-18	6.4291E-17	0.254508	hyper	sig	chr14_73712323
chr21	36696281	36696281	+	3.491E-18	6.432E-17	0.428461	hyper	sig	chr21_36696281
chr19	18787585	18787585	+	3.491E-18	6.433E-17	0.282355	hyper	sig	chr19_18787585
chr17	40191351	40191351	+	3.493E-18	6.4354E-17	0.234923	hyper	sig	chr17_40191351
chr14	1.04E+08	104159076	+	3.493E-18	6.436E-17	-0.2897	hypo	sig	chr14_104159076
chr13	78595629	78595629	+	3.494E-18	6.4364E-17	0.312375	hyper	sig	chr13_78595629
chr5	1.78E+08	177984748	+	3.495E-18	6.4399E-17	0.252376	hyper	sig	chr5_177984748
chr16	88488416	88488416	+	3.5E-18	6.4473E-17	-0.28047	hypo	sig	chr16_88488416
chr11	1.23E+08	122981704	+	3.5E-18	6.4477E-17	0.208393	hyper	sig	chr11_122981704
chr7	56229933	56229933	+	3.501E-18	6.4492E-17	0.269944	hyper	sig	chr7_56229933
chr15	24878217	24878217	+	3.502E-18	6.4519E-17	0.273292	hyper	sig	chr15_24878217
chr1	2.02E+08	202122867	+	3.503E-18	6.453E-17	0.28871	hyper	sig	chr1_202122867
chr6	99603011	99603011	+	3.508E-18	6.4624E-17	0.240477	hyper	sig	chr6_99603011
chr5	1.41E+08	141413886	+	3.51E-18	6.4655E-17	0.267007	hyper	sig	chr5_141413886
chr17	30235246	30235246	+	3.511E-18	6.4669E-17	0.223417	hyper	sig	chr17_30235246
chr20	63578490	63578490	+	3.515E-18	6.474E-17	-0.25403	hypo	sig	chr20_63578490
chr1	2237835	2237835	+	3.516E-18	6.4753E-17	0.243373	hyper	sig	chr1_2237835
chr22	17121791	17121791	+	3.516E-18	6.4765E-17	0.224635	hyper	sig	chr22_17121791
chr5	1.79E+08	178577146	+	3.516E-18	6.4765E-17	0.282993	hyper	sig	chr5_178577146
chr7	37448670	37448670	+	3.519E-18	6.4806E-17	0.293513	hyper	sig	chr7_37448670
chr15	34754542	34754542	+	3.521E-18	6.4836E-17	0.333904	hyper	sig	chr15_34754542

chr8	54459962	54459962	+	3.521E-18	6.4843E-17	0.297973	hyper	sig	chr8_54459962
chr12	1.07E+08	106585534	+	3.525E-18	6.4913E-17	0.302226	hyper	sig	chr12_106585534
chr8	1.41E+08	141285151	+	3.527E-18	6.4957E-17	0.275453	hyper	sig	chr8_141285151
chr16	54932798	54932798	+	3.529E-18	6.4987E-17	0.458017	hyper	sig	chr16_54932798
chr1	1.55E+08	155321548	+	3.532E-18	6.5035E-17	0.220788	hyper	sig	chr1_155321548
chr11	2345104	2345104	+	3.532E-18	6.5036E-17	-0.2776	hypo	sig	chr11_2345104
chr12	53952001	53952001	+	3.533E-18	6.5056E-17	0.215751	hyper	sig	chr12_53952001
chr17	81080105	81080105	+	3.535E-18	6.5093E-17	0.226176	hyper	sig	chr17_81080105
chr10	1.3E+08	129960475	+	3.537E-18	6.5117E-17	0.312375	hyper	sig	chr10_129960475
chr9	1.35E+08	134826968	+	3.538E-18	6.5137E-17	-0.29786	hypo	sig	chr9_134826968
chr1	1.48E+08	148328965	+	3.538E-18	6.5141E-17	0.217124	hyper	sig	chr1_148328965
chr7	5491421	5491421	+	3.54E-18	6.5175E-17	0.265219	hyper	sig	chr7_5491421
chr5	1.51E+08	151158248	+	3.542E-18	6.5212E-17	0.387793	hyper	sig	chr5_151158248
chr11	94545478	94545478	+	3.543E-18	6.5229E-17	-0.31302	hypo	sig	chr11_94545478
chr1	3009176	3009176	+	3.548E-18	6.5313E-17	-0.27374	hypo	sig	chr1_3009176
chr1	9900587	9900587	+	3.551E-18	6.5362E-17	-0.22952	hypo	sig	chr1_9900587
chr8	837064	837064	+	3.552E-18	6.5384E-17	-0.21292	hypo	sig	chr8_837064
chr17	28717597	28717597	+	3.555E-18	6.5446E-17	0.200782	hyper	sig	chr17_28717597
chr9	1.19E+08	119369297	+	3.56E-18	6.5522E-17	0.343308	hyper	sig	chr9_119369297
chr11	1.12E+08	111976892	+	3.56E-18	6.5534E-17	0.402315	hyper	sig	chr11_111976892
chr12	54047710	54047710	+	3.562E-18	6.5568E-17	0.298381	hyper	sig	chr12_54047710
chr1	53135182	53135182	+	3.566E-18	6.5641E-17	0.232434	hyper	sig	chr1_53135182
chr10	1732723	1732723	+	3.567E-18	6.5641E-17	-0.40235	hypo	sig	chr10_1732723
chr6	33277760	33277760	+	3.567E-18	6.5641E-17	0.240362	hyper	sig	chr6_33277760
chr5	77972125	77972125	+	3.569E-18	6.5684E-17	0.242674	hyper	sig	chr5_77972125
chr7	1.27E+08	127429312	+	3.57E-18	6.5704E-17	-0.26934	hypo	sig	chr7_127429312
chr1	66534102	66534102	+	3.575E-18	6.5794E-17	0.250707	hyper	sig	chr1_66534102
chr20	63004835	63004835	+	3.577E-18	6.5824E-17	0.251224	hyper	sig	chr20_63004835
chr3	16536219	16536219	+	3.577E-18	6.5824E-17	-0.24628	hypo	sig	chr3_16536219
chr17	81472368	81472368	+	3.579E-18	6.5859E-17	0.352283	hyper	sig	chr17_81472368
chr5	1.78E+08	178337305	+	3.581E-18	6.5891E-17	0.289171	hyper	sig	chr5_178337305
chr11	1.2E+08	120124169	+	3.581E-18	6.5894E-17	-0.24329	hypo	sig	chr11_120124169
chr6	1.69E+08	169160111	+	3.582E-18	6.5914E-17	-0.22969	hypo	sig	chr6_169160111
chr6	32218272	32218272	+	3.584E-18	6.5952E-17	-0.28861	hypo	sig	chr6_32218272
chr7	1.58E+08	158351717	+	3.589E-18	6.6039E-17	-0.28199	hypo	sig	chr7_158351717
chr10	75408492	75408492	+	3.591E-18	6.6073E-17	0.263464	hyper	sig	chr10_75408492
chr19	1401782	1401782	+	3.595E-18	6.6149E-17	0.282866	hyper	sig	chr19_1401782
chr17	81453305	81453305	+	3.602E-18	6.6264E-17	-0.25086	hypo	sig	chr17_81453305
chr9	970448	970448	+	3.603E-18	6.6276E-17	0.287554	hyper	sig	chr9_970448
chr18	79024000	79024000	+	3.603E-18	6.6279E-17	-0.27295	hypo	sig	chr18_79024000
chr2	61144883	61144883	+	3.604E-18	6.6295E-17	0.247381	hyper	sig	chr2_61144883
chr3	1.72E+08	172449945	+	3.605E-18	6.6315E-17	0.296236	hyper	sig	chr3_172449945
chr4	41744934	41744934	+	3.607E-18	6.635E-17	0.305118	hyper	sig	chr4_41744934
chr1	2.03E+08	203185242	+	3.607E-18	6.635E-17	-0.26618	hypo	sig	chr1_203185242
chr11	2869224	2869224	+	3.607E-18	6.6355E-17	0.221795	hyper	sig	chr11_2869224
chr2	23617924	23617924	+	3.609E-18	6.6387E-17	0.404209	hyper	sig	chr2_23617924
chr5	1.41E+08	141393006	+	3.612E-18	6.6441E-17	0.204457	hyper	sig	chr5_141393006
chr13	1.11E+08	110562849	+	3.613E-18	6.6449E-17	-0.26367	hypo	sig	chr13_110562849
chr7	23491070	23491070	+	3.619E-18	6.6565E-17	0.240587	hyper	sig	chr7_23491070
chr13	36130818	36130818	+	3.625E-18	6.6673E-17	0.266542	hyper	sig	chr13_36130818
chr17	40350145	40350145	+	3.626E-18	6.6685E-17	0.277762	hyper	sig	chr17_40350145
chr11	65047744	65047744	+	3.626E-18	6.669E-17	0.291629	hyper	sig	chr11_65047744
chr20	60966253	60966253	+	3.629E-18	6.6735E-17	-0.35823	hypo	sig	chr20_60966253
chr5	1.46E+08	146337699	+	3.629E-18	6.6737E-17	0.384542	hyper	sig	chr5_146337699
chr17	48722169	48722169	+	3.631E-18	6.678E-17	0.258223	hyper	sig	chr17_48722169
chr7	76276717	76276717	+	3.633E-18	6.6807E-17	-0.29251	hypo	sig	chr7_76276717

chr3	24522144	24522144	+	3.634E-18	6.6817E-17	0.233629	hyper	sig	chr3_24522144
chr4	1.83E+08	182801815	+	3.634E-18	6.6829E-17	-0.28301	hypo	sig	chr4_182801815
chr7	1.58E+08	157675715	+	3.637E-18	6.6884E-17	-0.27818	hypo	sig	chr7_157675715
chr3	45035849	45035849	+	3.644E-18	6.6994E-17	0.288043	hyper	sig	chr3_45035849
chr8	52099953	52099953	+	3.645E-18	6.701E-17	0.260189	hyper	sig	chr8_52099953
chr5	10310647	10310647	+	3.646E-18	6.704E-17	-0.25172	hypo	sig	chr5_10310647
chr2	2.08E+08	208407362	+	3.647E-18	6.7046E-17	0.255032	hyper	sig	chr2_208407362
chr13	1.1E+08	110388222	+	3.65E-18	6.7107E-17	0.259802	hyper	sig	chr13_110388222
chr7	1.04E+08	103989197	+	3.654E-18	6.7172E-17	0.206043	hyper	sig	chr7_103989197
chr3	27728687	27728687	+	3.655E-18	6.7194E-17	0.283585	hyper	sig	chr3_27728687
chr1	75130465	75130465	+	3.662E-18	6.7321E-17	0.2054	hyper	sig	chr1_75130465
chr19	57708674	57708674	+	3.663E-18	6.733E-17	0.409436	hyper	sig	chr19_57708674
chr1	51331278	51331278	+	3.667E-18	6.7416E-17	-0.32484	hypo	sig	chr1_51331278
chr19	11189978	11189978	+	3.669E-18	6.7453E-17	0.313065	hyper	sig	chr19_11189978
chr17	77233660	77233660	+	3.67E-18	6.7463E-17	-0.32954	hypo	sig	chr17_77233660
chr20	21396254	21396254	+	3.672E-18	6.7494E-17	0.226427	hyper	sig	chr20_21396254
chr17	81734481	81734481	+	3.674E-18	6.7525E-17	-0.25352	hypo	sig	chr17_81734481
chr3	49910501	49910501	+	3.677E-18	6.7585E-17	0.27249	hyper	sig	chr3_49910501
chr7	590836	590836	+	3.677E-18	6.7585E-17	0.271562	hyper	sig	chr7_590836
chr13	45713662	45713662	+	3.679E-18	6.7612E-17	-0.26831	hypo	sig	chr13_45713662
chr5	1.41E+08	141235976	+	3.683E-18	6.7686E-17	0.32117	hyper	sig	chr5_141235976
chr1	1.58E+08	158355434	+	3.683E-18	6.7699E-17	-0.37715	hypo	sig	chr1_158355434
chr5	42993858	42993858	+	3.684E-18	6.7711E-17	0.272318	hyper	sig	chr5_42993858
chr2	2.4E+08	239805584	+	3.684E-18	6.7712E-17	-0.30495	hypo	sig	chr2_239805584
chr1	1.48E+08	148310073	+	3.684E-18	6.7713E-17	0.293194	hyper	sig	chr1_148310073
chr2	26847437	26847437	+	3.691E-18	6.7824E-17	0.226676	hyper	sig	chr2_26847437
chr6	1.05E+08	104953106	+	3.692E-18	6.7847E-17	0.318557	hyper	sig	chr6_104953106
chr2	1.19E+08	118834072	+	3.692E-18	6.7851E-17	0.340248	hyper	sig	chr2_118834072
chr1	2.44E+08	243917846	+	3.694E-18	6.7887E-17	0.214639	hyper	sig	chr1_243917846
chr17	10195048	10195048	+	3.695E-18	6.7898E-17	-0.32848	hypo	sig	chr17_10195048
chr7	1.55E+08	155340940	+	3.698E-18	6.7942E-17	-0.26811	hypo	sig	chr7_155340940
chr19	28794093	28794093	+	3.698E-18	6.7947E-17	0.300045	hyper	sig	chr19_28794093
chr8	57143599	57143599	+	3.7E-18	6.7988E-17	0.291684	hyper	sig	chr8_57143599
chr6	99609300	99609300	+	3.702E-18	6.8015E-17	0.257811	hyper	sig	chr6_99609300
chr3	1.09E+08	109396716	+	3.713E-18	6.8219E-17	-0.33322	hypo	sig	chr3_109396716
chr16	21531232	21531232	+	3.715E-18	6.8255E-17	-0.26654	hypo	sig	chr16_21531232
chr17	74326473	74326473	+	3.717E-18	6.8282E-17	0.284179	hyper	sig	chr17_74326473
chr10	50024845	50024845	+	3.718E-18	6.8309E-17	0.267557	hyper	sig	chr10_50024845
chr14	28778371	28778371	+	3.721E-18	6.8362E-17	0.244403	hyper	sig	chr14_28778371
chr8	98973660	98973660	+	3.724E-18	6.8424E-17	0.300069	hyper	sig	chr8_98973660
chr2	1.39E+08	138780148	+	3.73E-18	6.8518E-17	0.248332	hyper	sig	chr2_138780148
chr3	1.39E+08	138938758	+	3.732E-18	6.8554E-17	0.219964	hyper	sig	chr3_138938758
chr14	99792859	99792859	+	3.732E-18	6.8556E-17	0.301121	hyper	sig	chr14_99792859
chr11	1.27E+08	127000302	+	3.733E-18	6.8563E-17	0.284828	hyper	sig	chr11_127000302
chr7	1.28E+08	128254538	+	3.734E-18	6.8594E-17	-0.2457	hypo	sig	chr7_128254538
chr5	31193792	31193792	+	3.74E-18	6.8696E-17	0.287284	hyper	sig	chr5_31193792
chr10	90857347	90857347	+	3.742E-18	6.8725E-17	0.268761	hyper	sig	chr10_90857347
chr7	75995361	75995361	+	3.742E-18	6.8727E-17	0.31743	hyper	sig	chr7_75995361
chr10	27746726	27746726	+	3.744E-18	6.8757E-17	0.251131	hyper	sig	chr10_27746726
chr11	1.25E+08	124843473	+	3.745E-18	6.878E-17	0.256495	hyper	sig	chr11_124843473
chr12	45051079	45051079	+	3.746E-18	6.8788E-17	0.274284	hyper	sig	chr12_45051079
chr22	21632743	21632743	+	3.747E-18	6.881E-17	-0.25468	hypo	sig	chr22_21632743
chr2	68319964	68319964	+	3.747E-18	6.8813E-17	0.332502	hyper	sig	chr2_68319964
chr19	3481790	3481790	+	3.75E-18	6.887E-17	-0.30055	hypo	sig	chr19_3481790
chr4	4868756	4868756	+	3.752E-18	6.8901E-17	0.312292	hyper	sig	chr4_4868756
chr15	74132767	74132767	+	3.756E-18	6.8967E-17	0.344866	hyper	sig	chr15_74132767

chr22	48902685	48902685	+	3.756E-18	6.8974E-17	-0.25619	hypo	sig	chr22_48902685
chr4	1.54E+08	153789247	+	3.768E-18	6.9191E-17	0.332831	hyper	sig	chr4_153789247
chr2	38075353	38075353	+	3.769E-18	6.9196E-17	0.357615	hyper	sig	chr2_38075353
chr13	22926699	22926699	+	3.772E-18	6.9251E-17	0.382131	hyper	sig	chr13_22926699
chr21	45559604	45559604	+	3.773E-18	6.9271E-17	-0.28671	hypo	sig	chr21_45559604
chr1	16521092	16521092	+	3.773E-18	6.9275E-17	0.337367	hyper	sig	chr1_16521092
chr17	63856184	63856184	+	3.777E-18	6.9341E-17	-0.30819	hypo	sig	chr17_63856184
chr6	50724489	50724489	+	3.777E-18	6.9341E-17	0.236284	hyper	sig	chr6_50724489
chr19	11361799	11361799	+	3.78E-18	6.9398E-17	-0.33308	hypo	sig	chr19_11361799
chr16	1169463	1169463	+	3.784E-18	6.9464E-17	0.287916	hyper	sig	chr16_1169463
chr8	1.16E+08	115648443	+	3.787E-18	6.9526E-17	0.24349	hyper	sig	chr8_115648443
chr9	37029832	37029832	+	3.789E-18	6.9548E-17	0.21709	hyper	sig	chr9_37029832
chr1	86156424	86156424	+	3.79E-18	6.9571E-17	0.21682	hyper	sig	chr1_86156424
chr2	2.36E+08	236497234	+	3.79E-18	6.9573E-17	-0.23287	hypo	sig	chr2_236497234
chr2	554386	554386	+	3.793E-18	6.9617E-17	-0.26661	hypo	sig	chr2_554386
chr10	1.19E+08	118595146	+	3.794E-18	6.9635E-17	0.28313	hyper	sig	chr10_118595146
chr3	27730301	27730301	+	3.8E-18	6.9747E-17	0.23569	hyper	sig	chr3_27730301
chr12	1.24E+08	124388761	+	3.804E-18	6.9812E-17	0.325016	hyper	sig	chr12_124388761
chr17	39687011	39687011	+	3.805E-18	6.9836E-17	-0.26827	hypo	sig	chr17_39687011
chr19	49433098	49433098	+	3.805E-18	6.9837E-17	0.391312	hyper	sig	chr19_49433098
chr20	25084735	25084735	+	3.808E-18	6.9881E-17	0.315279	hyper	sig	chr20_25084735
chr17	76000218	76000218	+	3.809E-18	6.9893E-17	0.209182	hyper	sig	chr17_76000218
chr13	98483262	98483262	+	3.809E-18	6.9899E-17	0.278878	hyper	sig	chr13_98483262
chr6	37649045	37649045	+	3.809E-18	6.9899E-17	0.328675	hyper	sig	chr6_37649045
chr19	2278709	2278709	+	3.811E-18	6.9931E-17	-0.28253	hypo	sig	chr19_2278709
chr7	1.22E+08	122316602	+	3.813E-18	6.9961E-17	0.257578	hyper	sig	chr7_122316602
chr11	63762449	63762449	+	3.813E-18	6.9967E-17	0.386586	hyper	sig	chr11_63762449
chr14	37602070	37602070	+	3.813E-18	6.9973E-17	0.261348	hyper	sig	chr14_37602070
chr10	68562086	68562086	+	3.816E-18	7.0013E-17	0.304571	hyper	sig	chr10_68562086
chr10	1.33E+08	132834617	+	3.819E-18	7.0075E-17	-0.24676	hypo	sig	chr10_132834617
chr9	1.37E+08	137479833	+	3.819E-18	7.0079E-17	-0.21999	hypo	sig	chr9_137479833
chr11	72244170	72244170	+	3.823E-18	7.0137E-17	0.340313	hyper	sig	chr11_72244170
chr20	34863469	34863469	+	3.823E-18	7.0137E-17	0.242176	hyper	sig	chr20_34863469
chr3	42936397	42936397	+	3.823E-18	7.0142E-17	0.230047	hyper	sig	chr3_42936397
chr8	1.43E+08	143429977	+	3.825E-18	7.0178E-17	0.218177	hyper	sig	chr8_143429977
chr14	75543290	75543290	+	3.828E-18	7.0223E-17	-0.25408	hypo	sig	chr14_75543290
chr1	1.02E+08	101996487	+	3.828E-18	7.0227E-17	0.304328	hyper	sig	chr1_101996487
chr13	1.14E+08	114140165	+	3.829E-18	7.0238E-17	-0.26921	hypo	sig	chr13_114140165
chr3	44585123	44585123	+	3.829E-18	7.0249E-17	0.221648	hyper	sig	chr3_44585123
chr11	64556004	64556004	+	3.83E-18	7.0259E-17	-0.25448	hypo	sig	chr11_64556004
chr4	1.77E+08	177443192	+	3.834E-18	7.0328E-17	0.22878	hyper	sig	chr4_177443192
chr5	1.46E+08	146337682	+	3.834E-18	7.0331E-17	0.373503	hyper	sig	chr5_146337682
chr4	1.54E+08	154333427	+	3.839E-18	7.041E-17	0.21804	hyper	sig	chr4_154333427
chr1	1.47E+08	147178247	+	3.84E-18	7.0425E-17	0.265192	hyper	sig	chr1_147178247
chr3	1.84E+08	184491473	+	3.842E-18	7.0461E-17	0.329337	hyper	sig	chr3_184491473
chr4	1.25E+08	125317758	+	3.852E-18	7.0656E-17	0.21432	hyper	sig	chr4_125317758
chr17	79439155	79439155	+	3.853E-18	7.0675E-17	0.254539	hyper	sig	chr17_79439155
chr2	1.06E+08	106343000	+	3.854E-18	7.0689E-17	-0.33186	hypo	sig	chr2_106343000
chr3	16174998	16174998	+	3.858E-18	7.075E-17	-0.38453	hypo	sig	chr3_16174998
chr12	1.25E+08	124655667	+	3.859E-18	7.077E-17	0.298217	hyper	sig	chr12_124655667
chr11	1.24E+08	123577648	+	3.861E-18	7.0813E-17	-0.31341	hypo	sig	chr11_123577648
chr9	85523043	85523043	+	3.865E-18	7.0869E-17	0.211396	hyper	sig	chr9_85523043
chr9	3180453	3180453	+	3.866E-18	7.0901E-17	-0.32948	hypo	sig	chr9_3180453
chr1	54885986	54885986	+	3.867E-18	7.0905E-17	-0.32437	hypo	sig	chr1_54885986
chr16	908396	908396	+	3.869E-18	7.0942E-17	-0.23452	hypo	sig	chr16_908396
chr1	2.27E+08	226737110	+	3.871E-18	7.0986E-17	0.328204	hyper	sig	chr1_226737110

chr14	73745085	73745085	+	3.875E-18	7.1049E-17	-0.23522	hypo	sig	chr14_73745085
chr19	21463733	21463733	+	3.875E-18	7.1054E-17	0.315848	hyper	sig	chr19_21463733
chr1	90724422	90724422	+	3.879E-18	7.1123E-17	0.326248	hyper	sig	chr1_90724422
chr12	54029756	54029756	+	3.881E-18	7.1156E-17	0.247425	hyper	sig	chr12_54029756
chr8	1653088	1653088	+	3.886E-18	7.1251E-17	-0.2941	hypo	sig	chr8_1653088
chr7	1.57E+08	157020773	+	3.889E-18	7.1303E-17	0.206216	hyper	sig	chr7_157020773
chr6	1.59E+08	158631438	+	3.889E-18	7.1304E-17	-0.21199	hypo	sig	chr6_158631438
chr5	32713385	32713385	+	3.889E-18	7.1304E-17	0.317473	hyper	sig	chr5_32713385
chr12	6555409	6555409	+	3.891E-18	7.1324E-17	0.297177	hyper	sig	chr12_6555409
chr1	1.19E+08	119008180	+	3.891E-18	7.1333E-17	0.225704	hyper	sig	chr1_119008180
chr19	40224570	40224570	+	3.892E-18	7.134E-17	-0.34256	hypo	sig	chr19_40224570
chr16	86568823	86568823	+	3.892E-18	7.1344E-17	0.298854	hyper	sig	chr16_86568823
chr18	74498720	74498720	+	3.898E-18	7.1456E-17	-0.34385	hypo	sig	chr18_74498720
chr8	38268352	38268352	+	3.899E-18	7.1463E-17	0.239174	hyper	sig	chr8_38268352
chr10	7409290	7409290	+	3.9E-18	7.149E-17	0.237344	hyper	sig	chr10_7409290
chr4	21304403	21304403	+	3.903E-18	7.1537E-17	0.229408	hyper	sig	chr4_21304403
chr20	46057285	46057285	+	3.903E-18	7.154E-17	0.414724	hyper	sig	chr20_46057285
chr12	52368837	52368837	+	3.903E-18	7.1544E-17	-0.31254	hypo	sig	chr12_52368837
chr6	26233184	26233184	+	3.904E-18	7.1548E-17	0.22378	hyper	sig	chr6_26233184
chr7	15685531	15685531	+	3.916E-18	7.1767E-17	0.298419	hyper	sig	chr7_15685531
chr14	37611058	37611058	+	3.916E-18	7.178E-17	0.263112	hyper	sig	chr14_37611058
chr19	40624018	40624018	+	3.917E-18	7.178E-17	-0.27071	hypo	sig	chr19_40624018
chr1	1.51E+08	151165169	+	3.918E-18	7.1796E-17	0.220917	hyper	sig	chr1_151165169
chr9	35676264	35676264	+	3.918E-18	7.1809E-17	0.32423	hyper	sig	chr9_35676264
chr21	36692002	36692002	+	3.919E-18	7.182E-17	0.245795	hyper	sig	chr21_36692002
chr1	3245488	3245488	+	3.92E-18	7.1841E-17	-0.23924	hypo	sig	chr1_3245488
chr1	63320269	63320269	+	3.926E-18	7.1954E-17	0.272896	hyper	sig	chr1_63320269
chr15	45378325	45378325	+	3.931E-18	7.2028E-17	0.214732	hyper	sig	chr15_45378325
chr10	1.19E+08	118595830	+	3.939E-18	7.2172E-17	0.337798	hyper	sig	chr10_118595830
chr17	78232152	78232152	+	3.939E-18	7.2175E-17	0.250924	hyper	sig	chr17_78232152
chr5	1.39E+08	139395191	+	3.94E-18	7.2202E-17	0.378329	hyper	sig	chr5_139395191
chr11	57390888	57390888	+	3.941E-18	7.2219E-17	-0.31181	hypo	sig	chr11_57390888
chr5	1.71E+08	170502556	+	3.941E-18	7.2219E-17	-0.31865	hypo	sig	chr5_170502556
chr1	2.36E+08	236396028	+	3.943E-18	7.2249E-17	0.334885	hyper	sig	chr1_236396028
chr21	45000484	45000484	+	3.943E-18	7.2249E-17	-0.27063	hypo	sig	chr21_45000484
chr7	1.28E+08	128032060	+	3.944E-18	7.2253E-17	0.351601	hyper	sig	chr7_128032060
chr17	27293590	27293590	+	3.945E-18	7.2277E-17	-0.32482	hypo	sig	chr17_27293590
chr14	92514836	92514836	+	3.945E-18	7.2281E-17	0.256089	hyper	sig	chr14_92514836
chr11	74720955	74720955	+	3.948E-18	7.2329E-17	0.323379	hyper	sig	chr11_74720955
chr3	1.34E+08	133674806	+	3.948E-18	7.2333E-17	0.26859	hyper	sig	chr3_133674806
chr16	57628100	57628100	+	3.951E-18	7.2373E-17	0.351365	hyper	sig	chr16_57628100
chr15	96409007	96409007	+	3.954E-18	7.2435E-17	0.257315	hyper	sig	chr15_96409007
chr9	97855478	97855478	+	3.955E-18	7.2438E-17	0.351498	hyper	sig	chr9_97855478
chr22	50485461	50485461	+	3.956E-18	7.2467E-17	-0.22895	hypo	sig	chr22_50485461
chr19	50728397	50728397	+	3.957E-18	7.2489E-17	0.336881	hyper	sig	chr19_50728397
chr1	1.65E+08	165355647	+	3.958E-18	7.2494E-17	0.36884	hyper	sig	chr1_165355647
chr12	1.25E+08	124549322	+	3.958E-18	7.2501E-17	0.289227	hyper	sig	chr12_124549322
chr12	1.1E+08	109716359	+	3.958E-18	7.2501E-17	0.377765	hyper	sig	chr12_109716359
chr20	38726545	38726545	+	3.959E-18	7.2501E-17	0.22713	hyper	sig	chr20_38726545
chr6	37649056	37649056	+	3.959E-18	7.2511E-17	0.333333	hyper	sig	chr6_37649056
chr13	1.13E+08	113052339	+	3.96E-18	7.2519E-17	0.255267	hyper	sig	chr13_113052339
chr3	21271798	21271798	+	3.96E-18	7.2528E-17	-0.217	hypo	sig	chr3_21271798
chr10	1.33E+08	132746842	+	3.963E-18	7.2575E-17	0.226158	hyper	sig	chr10_132746842
chr7	1.59E+08	159028447	+	3.965E-18	7.2607E-17	-0.34669	hypo	sig	chr7_159028447
chr11	64138580	64138580	+	3.965E-18	7.261E-17	0.278677	hyper	sig	chr11_64138580
chr10	1.3E+08	129965412	+	3.966E-18	7.2617E-17	0.312276	hyper	sig	chr10_129965412

chr13	52847490	52847490	+	3.967E-18	7.2633E-17	0.300591	hyper	sig	chr13_52847490
chr13	21668909	21668909	+	3.973E-18	7.2743E-17	0.282369	hyper	sig	chr13_21668909
chr12	29784677	29784677	+	3.974E-18	7.2758E-17	0.223024	hyper	sig	chr12_29784677
chr3	1.26E+08	126101616	+	3.977E-18	7.2823E-17	-0.25158	hypo	sig	chr3_126101616
chr1	17441563	17441563	+	3.978E-18	7.2835E-17	-0.23246	hypo	sig	chr1_17441563
chr1	46448886	46448886	+	3.979E-18	7.2859E-17	0.336894	hyper	sig	chr1_46448886
chr2	1.27E+08	127025108	+	3.98E-18	7.2868E-17	0.230428	hyper	sig	chr2_127025108
chr20	62708514	62708514	+	3.981E-18	7.2882E-17	0.327112	hyper	sig	chr20_62708514
chr20	57267000	57267000	+	3.981E-18	7.2885E-17	0.240322	hyper	sig	chr20_57267000
chr14	1.04E+08	104220489	+	3.983E-18	7.291E-17	-0.30174	hypo	sig	chr14_104220489
chr12	45611385	45611385	+	3.986E-18	7.2963E-17	0.398542	hyper	sig	chr12_45611385
chr16	67185249	67185249	+	3.99E-18	7.3036E-17	0.262811	hyper	sig	chr16_67185249
chr11	3435267	3435267	+	3.99E-18	7.3044E-17	-0.32275	hypo	sig	chr11_3435267
chr11	1.34E+08	133787577	+	3.991E-18	7.305E-17	0.349258	hyper	sig	chr11_133787577
chr3	1.58E+08	158094265	+	3.992E-18	7.3067E-17	0.299352	hyper	sig	chr3_158094265
chr5	1.41E+08	141389454	+	3.993E-18	7.309E-17	0.24681	hyper	sig	chr5_141389454
chr19	21474729	21474729	+	3.993E-18	7.3096E-17	0.229855	hyper	sig	chr19_21474729
chr7	42493677	42493677	+	3.996E-18	7.3137E-17	0.202137	hyper	sig	chr7_42493677
chr20	9838677	9838677	+	3.998E-18	7.317E-17	0.369283	hyper	sig	chr20_9838677
chr12	1.22E+08	122127387	+	3.999E-18	7.3202E-17	0.218489	hyper	sig	chr12_122127387
chr7	124585	124585	+	4E-18	7.3205E-17	-0.43359	hypo	sig	chr7_124585
chr9	22447689	22447689	+	4.001E-18	7.3232E-17	0.318773	hyper	sig	chr9_22447689
chr12	94186912	94186912	+	4.001E-18	7.3232E-17	0.240164	hyper	sig	chr12_94186912
chr7	1.5E+08	149723646	+	4.003E-18	7.3266E-17	-0.21071	hypo	sig	chr7_149723646
chr15	96417033	96417033	+	4.005E-18	7.3288E-17	0.292242	hyper	sig	chr15_96417033
chr16	4664476	4664476	+	4.006E-18	7.3309E-17	-0.27481	hypo	sig	chr16_4664476
chr1	53276725	53276725	+	4.008E-18	7.3346E-17	0.284256	hyper	sig	chr1_53276725
chr12	77253	77253	+	4.009E-18	7.336E-17	-0.28221	hypo	sig	chr12_77253
chr22	29480408	29480408	+	4.011E-18	7.3389E-17	0.211782	hyper	sig	chr22_29480408
chr1	3391985	3391985	+	4.011E-18	7.3398E-17	0.327933	hyper	sig	chr1_3391985
chr8	1302568	1302568	+	4.012E-18	7.3409E-17	-0.23971	hypo	sig	chr8_1302568
chr19	30450996	30450996	+	4.013E-18	7.3425E-17	0.302629	hyper	sig	chr19_30450996
chr5	73311723	73311723	+	4.018E-18	7.351E-17	0.295283	hyper	sig	chr5_73311723
chr1	3011970	3011970	+	4.019E-18	7.3535E-17	0.289974	hyper	sig	chr1_3011970
chr22	24427551	24427551	+	4.019E-18	7.3535E-17	-0.26559	hypo	sig	chr22_24427551
chr19	36331770	36331770	+	4.021E-18	7.3564E-17	0.257423	hyper	sig	chr19_36331770
chr11	18412343	18412343	+	4.024E-18	7.362E-17	0.306515	hyper	sig	chr11_18412343
chr15	52795274	52795274	+	4.026E-18	7.3653E-17	0.27647	hyper	sig	chr15_52795274
chr17	19384364	19384364	+	4.028E-18	7.3689E-17	0.274631	hyper	sig	chr17_19384364
chr7	2567495	2567495	+	4.028E-18	7.3693E-17	0.328914	hyper	sig	chr7_2567495
chr20	768425	768425	+	4.032E-18	7.3753E-17	-0.31356	hypo	sig	chr20_768425
chr5	1.8E+08	179526595	+	4.037E-18	7.3856E-17	-0.22155	hypo	sig	chr5_179526595
chr6	1.69E+08	168887170	+	4.042E-18	7.3932E-17	-0.27537	hypo	sig	chr6_168887170
chr19	56507484	56507484	+	4.044E-18	7.3979E-17	0.272679	hyper	sig	chr19_56507484
chr5	392805	392805	+	4.046E-18	7.4014E-17	-0.2865	hypo	sig	chr5_392805
chr12	1.32E+08	132434104	+	4.047E-18	7.4023E-17	-0.29728	hypo	sig	chr12_132434104
chr5	1891821	1891821	+	4.049E-18	7.4062E-17	-0.22947	hypo	sig	chr5_1891821
chr8	24914979	24914979	+	4.051E-18	7.4088E-17	0.220372	hyper	sig	chr8_24914979
chr9	1.34E+08	133712648	+	4.051E-18	7.4088E-17	-0.30285	hypo	sig	chr9_133712648
chr11	46295924	46295924	+	4.053E-18	7.4116E-17	0.341776	hyper	sig	chr11_46295924
chr15	62165657	62165657	+	4.053E-18	7.412E-17	-0.29555	hypo	sig	chr15_62165657
chr3	1.23E+08	123447804	+	4.056E-18	7.4184E-17	0.361513	hyper	sig	chr3_123447804
chr12	45051572	45051572	+	4.058E-18	7.4207E-17	0.367266	hyper	sig	chr12_45051572
chr11	75584165	75584165	+	4.058E-18	7.4208E-17	0.299153	hyper	sig	chr11_75584165
chr4	1171500	1171500	+	4.064E-18	7.4312E-17	0.200409	hyper	sig	chr4_1171500
chr3	1.84E+08	184491498	+	4.066E-18	7.4352E-17	0.347518	hyper	sig	chr3_184491498

chr16	29252046	29252046	+	4.074E-18	7.4486E-17	-0.31995	hypo	sig	chr16_29252046
chr2	1.2E+08	120346575	+	4.076E-18	7.4528E-17	0.24147	hyper	sig	chr2_120346575
chr19	50692090	50692090	+	4.082E-18	7.4639E-17	-0.39169	hypo	sig	chr19_50692090
chr5	1.41E+08	141374088	+	4.087E-18	7.4722E-17	0.300088	hyper	sig	chr5_141374088
chr1	2E+08	200035347	+	4.088E-18	7.4748E-17	0.270122	hyper	sig	chr1_200035347
chr15	98651267	98651267	+	4.089E-18	7.4765E-17	0.220275	hyper	sig	chr15_98651267
chr4	1.9E+08	190020546	+	4.091E-18	7.4784E-17	0.263215	hyper	sig	chr4_190020546
chr2	91443042	91443042	+	4.091E-18	7.4792E-17	0.281709	hyper	sig	chr2_91443042
chr1	3073503	3073503	+	4.091E-18	7.4797E-17	0.254787	hyper	sig	chr1_3073503
chr16	31373498	31373498	+	4.093E-18	7.4818E-17	-0.33234	hypo	sig	chr16_31373498
chr17	82457603	82457603	+	4.093E-18	7.4818E-17	-0.22531	hypo	sig	chr17_82457603
chr5	77639133	77639133	+	4.094E-18	7.4842E-17	0.316635	hyper	sig	chr5_77639133
chr12	6057806	6057806	+	4.095E-18	7.4847E-17	0.29151	hyper	sig	chr12_6057806
chr11	1305285	1305285	+	4.095E-18	7.4853E-17	-0.21093	hypo	sig	chr11_1305285
chr13	26742977	26742977	+	4.096E-18	7.4864E-17	0.308345	hyper	sig	chr13_26742977
chr8	64373697	64373697	+	4.099E-18	7.4928E-17	0.300295	hyper	sig	chr8_64373697
chr6	33123549	33123549	+	4.1E-18	7.4946E-17	-0.23222	hypo	sig	chr6_33123549
chr2	44930155	44930155	+	4.101E-18	7.496E-17	0.270597	hyper	sig	chr2_44930155
chr3	1.41E+08	141052342	+	4.102E-18	7.4968E-17	0.223301	hyper	sig	chr3_141052342
chr6	1.63E+08	163300994	+	4.106E-18	7.5046E-17	-0.34354	hypo	sig	chr6_163300994
chr11	46597797	46597797	+	4.107E-18	7.5063E-17	-0.30764	hypo	sig	chr11_46597797
chr7	27110574	27110574	+	4.107E-18	7.5063E-17	0.389149	hyper	sig	chr7_27110574
chr5	1885423	1885423	+	4.11E-18	7.511E-17	0.245284	hyper	sig	chr5_1885423
chr16	1205490	1205490	+	4.114E-18	7.5179E-17	-0.30238	hypo	sig	chr16_1205490
chr19	11549495	11549495	+	4.118E-18	7.5258E-17	0.259568	hyper	sig	chr19_11549495
chr19	34906263	34906263	+	4.123E-18	7.5341E-17	-0.2596	hypo	sig	chr19_34906263
chr2	74516665	74516665	+	4.127E-18	7.5415E-17	0.2998	hyper	sig	chr2_74516665
chr7	1.43E+08	142796520	+	4.131E-18	7.5488E-17	0.259025	hyper	sig	chr7_142796520
chr19	53942167	53942167	+	4.131E-18	7.5494E-17	0.272225	hyper	sig	chr19_53942167
chr2	1.75E+08	174730215	+	4.135E-18	7.5549E-17	0.229592	hyper	sig	chr2_174730215
chr9	1.27E+08	127122153	+	4.139E-18	7.5622E-17	0.290527	hyper	sig	chr9_127122153
chr21	33023924	33023924	+	4.14E-18	7.5644E-17	0.27991	hyper	sig	chr21_33023924
chr5	32711359	32711359	+	4.14E-18	7.565E-17	0.209675	hyper	sig	chr5_32711359
chr12	64390668	64390668	+	4.141E-18	7.5664E-17	0.269397	hyper	sig	chr12_64390668
chr10	42933040	42933040	+	4.147E-18	7.5759E-17	0.253476	hyper	sig	chr10_42933040
chr3	48661882	48661882	+	4.154E-18	7.5898E-17	0.238405	hyper	sig	chr3_48661882
chr13	94711979	94711979	+	4.154E-18	7.5898E-17	0.264662	hyper	sig	chr13_94711979
chr5	80565466	80565466	+	4.155E-18	7.5899E-17	-0.24839	hypo	sig	chr5_80565466
chr2	66425850	66425850	+	4.155E-18	7.5905E-17	0.201305	hyper	sig	chr2_66425850
chr12	1820441	1820441	+	4.155E-18	7.5906E-17	0.247302	hyper	sig	chr12_1820441
chr5	1.41E+08	141100616	+	4.157E-18	7.5929E-17	0.283952	hyper	sig	chr5_141100616
chr19	48745871	48745871	+	4.158E-18	7.5953E-17	0.282281	hyper	sig	chr19_48745871
chr6	84764952	84764952	+	4.161E-18	7.6001E-17	0.233586	hyper	sig	chr6_84764952
chr5	1.81E+08	181114779	+	4.165E-18	7.6078E-17	0.299433	hyper	sig	chr5_181114779
chr6	3160290	3160290	+	4.166E-18	7.6104E-17	-0.28048	hypo	sig	chr6_3160290
chr11	1.29E+08	129372671	+	4.17E-18	7.6158E-17	0.293117	hyper	sig	chr11_129372671
chr1	1.98E+08	197913742	+	4.174E-18	7.6235E-17	0.24579	hyper	sig	chr1_197913742
chr1	20553182	20553182	+	4.174E-18	7.6238E-17	0.230302	hyper	sig	chr1_20553182
chr7	1.58E+08	157501694	+	4.175E-18	7.6247E-17	-0.25498	hypo	sig	chr7_157501694
chr4	1.74E+08	173538896	+	4.176E-18	7.6273E-17	0.212435	hyper	sig	chr4_173538896
chr19	57130478	57130478	+	4.176E-18	7.6273E-17	-0.24523	hypo	sig	chr19_57130478
chr7	1055051	1055051	+	4.178E-18	7.6309E-17	0.315143	hyper	sig	chr7_1055051
chr6	28770155	28770155	+	4.18E-18	7.6338E-17	0.287279	hyper	sig	chr6_28770155
chr2	70767719	70767719	+	4.181E-18	7.6355E-17	0.208117	hyper	sig	chr2_70767719
chr11	71206339	71206339	+	4.182E-18	7.6363E-17	0.220045	hyper	sig	chr11_71206339
chr3	1.38E+08	137761257	+	4.186E-18	7.6436E-17	0.369427	hyper	sig	chr3_137761257

chr16	30948188	30948188	+	4.188E-18	7.648E-17	0.259919	hyper	sig	chr16_30948188
chr7	1E+08	100430731	+	4.188E-18	7.648E-17	0.276563	hyper	sig	chr7_100430731
chr8	23706501	23706501	+	4.192E-18	7.6542E-17	0.219561	hyper	sig	chr8_23706501
chr2	96032064	96032064	+	4.193E-18	7.6564E-17	-0.22737	hypo	sig	chr2_96032064
chr12	1.11E+08	111099183	+	4.197E-18	7.6637E-17	-0.39968	hypo	sig	chr12_111099183
chr8	1.43E+08	142696219	+	4.198E-18	7.6642E-17	-0.26937	hypo	sig	chr8_142696219
chr8	1.44E+08	144314198	+	4.199E-18	7.6671E-17	0.390545	hyper	sig	chr8_144314198
chr20	46251624	46251624	+	4.204E-18	7.6762E-17	0.327877	hyper	sig	chr20_46251624
chr5	1.74E+08	173890339	+	4.206E-18	7.679E-17	0.310828	hyper	sig	chr5_173890339
chr12	47078269	47078269	+	4.207E-18	7.6802E-17	0.243356	hyper	sig	chr12_47078269
chr3	1.93E+08	193241562	+	4.208E-18	7.6821E-17	0.214301	hyper	sig	chr3_193241562
chr3	27728759	27728759	+	4.213E-18	7.6912E-17	0.308429	hyper	sig	chr3_27728759
chr6	20032492	20032492	+	4.214E-18	7.6926E-17	0.243504	hyper	sig	chr6_20032492
chr5	1.25E+08	124976383	+	4.222E-18	7.7083E-17	-0.26797	hypo	sig	chr5_124976383
chr16	51150049	51150049	+	4.223E-18	7.7092E-17	0.34963	hyper	sig	chr16_51150049
chr17	76039603	76039603	+	4.225E-18	7.7123E-17	0.245858	hyper	sig	chr17_76039603
chr5	1.41E+08	141364414	+	4.226E-18	7.7135E-17	0.264423	hyper	sig	chr5_141364414
chr2	85886019	85886019	+	4.226E-18	7.714E-17	-0.21692	hypo	sig	chr2_85886019
chr10	75048945	75048945	+	4.227E-18	7.7156E-17	-0.3077	hypo	sig	chr10_75048945
chr7	1.01E+08	101269835	+	4.23E-18	7.7214E-17	-0.24221	hypo	sig	chr7_101269835
chr14	1.01E+08	100884756	+	4.231E-18	7.7232E-17	-0.31739	hypo	sig	chr14_100884756
chr9	1.27E+08	127122164	+	4.233E-18	7.7263E-17	0.283465	hyper	sig	chr9_127122164
chr5	1.47E+08	146879048	+	4.236E-18	7.731E-17	0.299764	hyper	sig	chr5_146879048
chr16	88410186	88410186	+	4.239E-18	7.7374E-17	-0.27665	hypo	sig	chr16_88410186
chr7	4128480	4128480	+	4.244E-18	7.7463E-17	-0.40268	hypo	sig	chr7_4128480
chr7	1.55E+08	155466258	+	4.245E-18	7.7468E-17	0.227293	hyper	sig	chr7_155466258
chr9	1.37E+08	136994711	+	4.245E-18	7.7468E-17	0.292743	hyper	sig	chr9_136994711
chr16	66948708	66948708	+	4.247E-18	7.7515E-17	0.273763	hyper	sig	chr16_66948708
chr1	2.28E+08	227766401	+	4.253E-18	7.7611E-17	-0.24217	hypo	sig	chr1_227766401
chr17	82101468	82101468	+	4.254E-18	7.763E-17	0.311675	hyper	sig	chr17_82101468
chr15	43329739	43329739	+	4.254E-18	7.7633E-17	0.215122	hyper	sig	chr15_43329739
chr17	42783966	42783966	+	4.26E-18	7.7727E-17	0.287527	hyper	sig	chr17_42783966
chr19	19211809	19211809	+	4.26E-18	7.7727E-17	0.408102	hyper	sig	chr19_19211809
chr11	74311885	74311885	+	4.26E-18	7.7735E-17	0.34905	hyper	sig	chr11_74311885
chr20	2559109	2559109	+	4.261E-18	7.7743E-17	0.208285	hyper	sig	chr20_2559109
chr6	1.42E+08	141562300	+	4.261E-18	7.7743E-17	-0.34497	hypo	sig	chr6_141562300
chr20	31825800	31825800	+	4.263E-18	7.7777E-17	-0.29192	hypo	sig	chr20_31825800
chr14	1.07E+08	106844427	+	4.266E-18	7.7835E-17	-0.2415	hypo	sig	chr14_106844427
chr6	10884081	10884081	+	4.271E-18	7.7921E-17	0.325437	hyper	sig	chr6_10884081
chr17	42784156	42784156	+	4.272E-18	7.7941E-17	0.284385	hyper	sig	chr17_42784156
chr22	44181301	44181301	+	4.274E-18	7.7971E-17	-0.28781	hypo	sig	chr22_44181301
chr11	2416871	2416871	+	4.275E-18	7.7978E-17	-0.23097	hypo	sig	chr11_2416871
chr1	1.21E+08	121009576	+	4.276E-18	7.8003E-17	0.246026	hyper	sig	chr1_121009576
chr2	1.19E+08	118832962	+	4.278E-18	7.8033E-17	0.217155	hyper	sig	chr2_118832962
chr20	3221590	3221590	+	4.278E-18	7.8044E-17	-0.28267	hypo	sig	chr20_3221590
chr20	36860873	36860873	+	4.28E-18	7.8073E-17	0.28117	hyper	sig	chr20_36860873
chr1	2248556	2248556	+	4.289E-18	7.824E-17	-0.26448	hypo	sig	chr1_2248556
chr10	72322712	72322712	+	4.291E-18	7.8272E-17	-0.26358	hypo	sig	chr10_72322712
chr7	96992928	96992928	+	4.293E-18	7.8305E-17	0.318501	hyper	sig	chr7_96992928
chr12	1.14E+08	114414314	+	4.298E-18	7.8385E-17	0.200019	hyper	sig	chr12_114414314
chr1	3752654	3752654	+	4.3E-18	7.8432E-17	-0.25431	hypo	sig	chr1_3752654
chr20	64106226	64106226	+	4.302E-18	7.8462E-17	-0.2844	hypo	sig	chr20_64106226
chr10	99233832	99233832	+	4.305E-18	7.8506E-17	0.208103	hyper	sig	chr10_99233832
chr8	1.42E+08	142454324	+	4.312E-18	7.8633E-17	-0.3035	hypo	sig	chr8_142454324
chr19	49802805	49802805	+	4.317E-18	7.8728E-17	0.268114	hyper	sig	chr19_49802805
chr1	1.55E+08	155321150	+	4.317E-18	7.873E-17	0.204425	hyper	sig	chr1_155321150

chr1	16520878	16520878	+	4.319E-18	7.8752E-17	0.30535	hyper	sig	chr1_16520878
chr1	2270607	2270607	+	4.319E-18	7.8753E-17	0.291875	hyper	sig	chr1_2270607
chr8	52940153	52940153	+	4.32E-18	7.8768E-17	0.343023	hyper	sig	chr8_52940153
chr2	1665384	1665384	+	4.323E-18	7.8827E-17	-0.30949	hypo	sig	chr2_1665384
chr10	1.29E+08	128959493	+	4.324E-18	7.8835E-17	-0.23672	hypo	sig	chr10_128959493
chr12	1.31E+08	131380038	+	4.332E-18	7.8977E-17	0.270089	hyper	sig	chr12_131380038
chr6	5994904	5994904	+	4.332E-18	7.8981E-17	0.311487	hyper	sig	chr6_5994904
chr10	23693762	23693762	+	4.333E-18	7.8992E-17	0.219725	hyper	sig	chr10_23693762
chr11	1.16E+08	115760203	+	4.333E-18	7.8994E-17	0.238662	hyper	sig	chr11_115760203
chr5	1217959	1217959	+	4.333E-18	7.8999E-17	-0.31654	hypo	sig	chr5_1217959
chr19	57191191	57191191	+	4.342E-18	7.9151E-17	0.234143	hyper	sig	chr19_57191191
chr9	93831194	93831194	+	4.343E-18	7.918E-17	-0.2595	hypo	sig	chr9_93831194
chr5	1.41E+08	141403139	+	4.343E-18	7.9181E-17	0.292198	hyper	sig	chr5_141403139
chr7	5417613	5417613	+	4.346E-18	7.9231E-17	0.267548	hyper	sig	chr7_5417613
chr16	3175557	3175557	+	4.348E-18	7.9254E-17	0.204439	hyper	sig	chr16_3175557
chr7	797845	797845	+	4.349E-18	7.9283E-17	0.243425	hyper	sig	chr7_797845
chr7	1.58E+08	158450990	+	4.349E-18	7.9283E-17	-0.29806	hypo	sig	chr7_158450990
chr7	1.29E+08	129124953	+	4.356E-18	7.9406E-17	-0.23289	hypo	sig	chr7_129124953
chr7	1.59E+08	159154776	+	4.357E-18	7.9425E-17	-0.33093	hypo	sig	chr7_159154776
chr12	72273631	72273631	+	4.359E-18	7.9461E-17	0.275111	hyper	sig	chr12_72273631
chr11	32431143	32431143	+	4.369E-18	7.963E-17	0.354446	hyper	sig	chr11_32431143
chr13	1.11E+08	110508083	+	4.37E-18	7.9645E-17	-0.29549	hypo	sig	chr13_110508083
chr16	88412985	88412985	+	4.375E-18	7.973E-17	-0.29343	hypo	sig	chr16_88412985
chr6	33277713	33277713	+	4.376E-18	7.9755E-17	0.254291	hyper	sig	chr6_33277713
chr21	42396081	42396081	+	4.379E-18	7.981E-17	-0.3024	hypo	sig	chr21_42396081
chr10	80535622	80535622	+	4.38E-18	7.9828E-17	-0.25011	hypo	sig	chr10_80535622
chr12	1.13E+08	113464985	+	4.38E-18	7.9828E-17	0.316049	hyper	sig	chr12_113464985
chr11	2869528	2869528	+	4.384E-18	7.9893E-17	0.315874	hyper	sig	chr11_2869528
chr1	2330981	2330981	+	4.384E-18	7.9896E-17	0.283932	hyper	sig	chr1_2330981
chr17	80099541	80099541	+	4.385E-18	7.9913E-17	-0.27696	hypo	sig	chr17_80099541
chr8	1.44E+08	144108233	+	4.387E-18	7.9937E-17	0.25768	hyper	sig	chr8_144108233
chr7	1.58E+08	157851468	+	4.388E-18	7.9963E-17	-0.26643	hypo	sig	chr7_157851468
chr12	1.15E+08	114686963	+	4.392E-18	8.0026E-17	0.268195	hyper	sig	chr12_114686963
chr6	32221199	32221199	+	4.392E-18	8.0032E-17	-0.25698	hypo	sig	chr6_32221199
chr5	1.5E+08	150166502	+	4.395E-18	8.0073E-17	-0.33249	hypo	sig	chr5_150166502
chr5	1.41E+08	141183511	+	4.397E-18	8.0121E-17	0.295169	hyper	sig	chr5_141183511
chr8	70070911	70070911	+	4.398E-18	8.0133E-17	0.215272	hyper	sig	chr8_70070911
chr13	48533980	48533980	+	4.404E-18	8.0235E-17	0.264861	hyper	sig	chr13_48533980
chr16	84237029	84237029	+	4.405E-18	8.0257E-17	-0.30126	hypo	sig	chr16_84237029
chr17	18636536	18636536	+	4.408E-18	8.0311E-17	-0.24795	hypo	sig	chr17_18636536
chr1	1.57E+08	156860479	+	4.411E-18	8.0363E-17	0.219206	hyper	sig	chr1_156860479
chr1	5847456	5847456	+	4.413E-18	8.0383E-17	0.246906	hyper	sig	chr1_5847456
chr6	90610378	90610378	+	4.419E-18	8.0498E-17	0.282462	hyper	sig	chr6_90610378
chr12	1.14E+08	114414532	+	4.419E-18	8.0499E-17	0.310226	hyper	sig	chr12_114414532
chr14	97219386	97219386	+	4.427E-18	8.0642E-17	0.233435	hyper	sig	chr14_97219386
chr12	1.32E+08	132483631	+	4.427E-18	8.0643E-17	-0.28929	hypo	sig	chr12_132483631
chr5	1.41E+08	141360273	+	4.43E-18	8.0686E-17	0.291702	hyper	sig	chr5_141360273
chr12	64390690	64390690	+	4.434E-18	8.077E-17	0.272102	hyper	sig	chr12_64390690
chr9	19128803	19128803	+	4.438E-18	8.0828E-17	0.268157	hyper	sig	chr9_19128803
chr2	89612020	89612020	+	4.44E-18	8.0874E-17	0.324327	hyper	sig	chr2_89612020
chr11	364788	364788	+	4.441E-18	8.088E-17	-0.28399	hypo	sig	chr11_364788
chr20	6769990	6769990	+	4.441E-18	8.0887E-17	0.231678	hyper	sig	chr20_6769990
chr20	62564052	62564052	+	4.445E-18	8.0962E-17	-0.29921	hypo	sig	chr20_62564052
chr17	80823205	80823205	+	4.446E-18	8.0965E-17	-0.31247	hypo	sig	chr17_80823205
chr7	1.51E+08	151392728	+	4.449E-18	8.1027E-17	-0.26114	hypo	sig	chr7_151392728
chr8	1029535	1029535	+	4.454E-18	8.1122E-17	-0.32846	hypo	sig	chr8_1029535

chr10	369559	369559	+	4.456E-18	8.114E-17	0.206064	hyper	sig	chr10_369559
chr2	8574222	8574222	+	4.457E-18	8.1157E-17	-0.24143	hypo	sig	chr2_8574222
chr6	33829309	33829309	+	4.457E-18	8.116E-17	0.244678	hyper	sig	chr6_33829309
chr7	590819	590819	+	4.458E-18	8.1171E-17	0.285771	hyper	sig	chr7_590819
chr1	17424334	17424334	+	4.458E-18	8.1183E-17	0.283096	hyper	sig	chr1_17424334
chr14	72564036	72564036	+	4.46E-18	8.1204E-17	-0.34102	hypo	sig	chr14_72564036
chr7	1027755	1027755	+	4.473E-18	8.1444E-17	0.217247	hyper	sig	chr7_1027755
chr9	971792	971792	+	4.475E-18	8.1489E-17	0.321232	hyper	sig	chr9_971792
chr8	26049534	26049534	+	4.476E-18	8.1505E-17	0.285633	hyper	sig	chr8_26049534
chr16	88205437	88205437	+	4.478E-18	8.1533E-17	-0.28998	hypo	sig	chr16_88205437
chr19	50344857	50344857	+	4.482E-18	8.1611E-17	-0.29043	hypo	sig	chr19_50344857
chr9	98118786	98118786	+	4.483E-18	8.1619E-17	-0.28617	hypo	sig	chr9_98118786
chr16	54939726	54939726	+	4.489E-18	8.1725E-17	0.312563	hyper	sig	chr16_54939726
chr10	90857123	90857123	+	4.489E-18	8.1729E-17	0.321109	hyper	sig	chr10_90857123
chr1	32704061	32704061	+	4.498E-18	8.1883E-17	0.281032	hyper	sig	chr1_32704061
chr19	57320881	57320881	+	4.5E-18	8.1912E-17	0.201324	hyper	sig	chr19_57320881
chr5	1.79E+08	178590823	+	4.502E-18	8.1951E-17	0.233828	hyper	sig	chr5_178590823
chr20	31474947	31474947	+	4.505E-18	8.1998E-17	0.386632	hyper	sig	chr20_31474947
chr10	1.01E+08	101132716	+	4.506E-18	8.2027E-17	0.380687	hyper	sig	chr10_101132716
chr14	93957597	93957597	+	4.508E-18	8.2059E-17	0.226005	hyper	sig	chr14_93957597
chr20	38674346	38674346	+	4.508E-18	8.2059E-17	0.317883	hyper	sig	chr20_38674346
chr6	1.7E+08	170050093	+	4.508E-18	8.2059E-17	0.310031	hyper	sig	chr6_170050093
chr16	84819124	84819124	+	4.509E-18	8.2069E-17	-0.31693	hypo	sig	chr16_84819124
chr7	1.57E+08	157004410	+	4.509E-18	8.2075E-17	0.27063	hyper	sig	chr7_157004410
chr7	64575109	64575109	+	4.512E-18	8.2114E-17	0.295318	hyper	sig	chr7_64575109
chr22	49634808	49634808	+	4.513E-18	8.2145E-17	-0.28516	hypo	sig	chr22_49634808
chr5	1.71E+08	171308393	+	4.515E-18	8.2181E-17	0.321245	hyper	sig	chr5_171308393
chr10	23195891	23195891	+	4.523E-18	8.2316E-17	0.243453	hyper	sig	chr10_23195891
chr1	53135069	53135069	+	4.531E-18	8.2454E-17	0.269247	hyper	sig	chr1_53135069
chr1	1.44E+08	143651849	+	4.533E-18	8.2485E-17	0.287589	hyper	sig	chr1_143651849
chr5	77851126	77851126	+	4.535E-18	8.2526E-17	0.342065	hyper	sig	chr5_77851126
chr14	36584177	36584177	+	4.537E-18	8.2552E-17	0.302703	hyper	sig	chr14_36584177
chr2	1816341	1816341	+	4.537E-18	8.2553E-17	0.324862	hyper	sig	chr2_1816341
chr16	50681349	50681349	+	4.539E-18	8.2585E-17	-0.28116	hypo	sig	chr16_50681349
chr19	19528744	19528744	+	4.549E-18	8.2774E-17	0.340354	hyper	sig	chr19_19528744
chr21	42362427	42362427	+	4.552E-18	8.2818E-17	0.259693	hyper	sig	chr21_42362427
chr15	90084200	90084200	+	4.555E-18	8.2878E-17	0.251575	hyper	sig	chr15_90084200
chr11	31804164	31804164	+	4.556E-18	8.289E-17	0.239904	hyper	sig	chr11_31804164
chr8	1.23E+08	123167635	+	4.556E-18	8.2895E-17	-0.25468	hypo	sig	chr8_123167635
chr19	35853301	35853301	+	4.558E-18	8.2919E-17	-0.31797	hypo	sig	chr19_35853301
chr1	17149270	17149270	+	4.559E-18	8.2933E-17	0.392175	hyper	sig	chr1_17149270
chr21	42641487	42641487	+	4.563E-18	8.3006E-17	0.30727	hyper	sig	chr21_42641487
chr10	1.32E+08	132249063	+	4.566E-18	8.3065E-17	-0.29825	hypo	sig	chr10_132249063
chr14	76352489	76352489	+	4.571E-18	8.3144E-17	-0.32606	hypo	sig	chr14_76352489
chr3	11017337	11017337	+	4.571E-18	8.3154E-17	-0.24039	hypo	sig	chr3_11017337
chr17	77377137	77377137	+	4.574E-18	8.3205E-17	0.238407	hyper	sig	chr17_77377137
chr1	1.52E+08	151514084	+	4.578E-18	8.3268E-17	-0.32216	hypo	sig	chr1_151514084
chr21	29298162	29298162	+	4.579E-18	8.3295E-17	-0.27882	hypo	sig	chr21_29298162
chr7	25949895	25949895	+	4.58E-18	8.3306E-17	-0.24866	hypo	sig	chr7_25949895
chr5	1.71E+08	171308389	+	4.581E-18	8.3323E-17	0.306544	hyper	sig	chr5_171308389
chr14	28767267	28767267	+	4.583E-18	8.336E-17	0.345805	hyper	sig	chr14_28767267
chr11	2160410	2160410	+	4.584E-18	8.3367E-17	-0.26823	hypo	sig	chr11_2160410
chr14	1.01E+08	101040195	+	4.584E-18	8.3367E-17	-0.30691	hypo	sig	chr14_101040195
chr2	1.32E+08	131830010	+	4.584E-18	8.3367E-17	0.318565	hyper	sig	chr2_131830010
chr16	88962642	88962642	+	4.592E-18	8.3516E-17	-0.35934	hypo	sig	chr16_88962642
chr2	2.32E+08	232486374	+	4.592E-18	8.3516E-17	0.258355	hyper	sig	chr2_232486374

chr6	34518352	34518352	+	4.593E-18	8.3535E-17	-0.25497	hypo	sig	chr6_34518352
chr19	21463837	21463837	+	4.595E-18	8.3557E-17	0.291045	hyper	sig	chr19_21463837
chr14	32933862	32933862	+	4.596E-18	8.3583E-17	0.238185	hyper	sig	chr14_32933862
chr7	63790652	63790652	+	4.596E-18	8.3583E-17	0.283629	hyper	sig	chr7_63790652
chr14	99936962	99936962	+	4.597E-18	8.3585E-17	-0.23515	hypo	sig	chr14_99936962
chr7	15687900	15687900	+	4.597E-18	8.3598E-17	0.258547	hyper	sig	chr7_15687900
chr5	1.32E+08	132257468	+	4.603E-18	8.3694E-17	0.211743	hyper	sig	chr5_132257468
chr13	87671801	87671801	+	4.605E-18	8.3728E-17	0.302853	hyper	sig	chr13_87671801
chr17	48968479	48968479	+	4.607E-18	8.3766E-17	-0.31429	hypo	sig	chr17_48968479
chr8	56113742	56113742	+	4.607E-18	8.3769E-17	0.240088	hyper	sig	chr8_56113742
chr11	8085109	8085109	+	4.609E-18	8.379E-17	-0.27359	hypo	sig	chr11_8085109
chr9	13278649	13278649	+	4.61E-18	8.3804E-17	0.2583	hyper	sig	chr9_13278649
chr8	49912066	49912066	+	4.612E-18	8.3845E-17	0.272244	hyper	sig	chr8_49912066
chr7	181309	181309	+	4.613E-18	8.3859E-17	-0.3508	hypo	sig	chr7_181309
chr11	78654336	78654336	+	4.614E-18	8.3886E-17	-0.23177	hypo	sig	chr11_78654336
chr12	1.28E+08	128190881	+	4.616E-18	8.391E-17	0.274384	hyper	sig	chr12_128190881
chr2	89611998	89611998	+	4.616E-18	8.391E-17	0.318693	hyper	sig	chr2_89611998
chr16	51153787	51153787	+	4.619E-18	8.3953E-17	0.321587	hyper	sig	chr16_51153787
chr11	69654293	69654293	+	4.621E-18	8.3998E-17	-0.29323	hypo	sig	chr11_69654293
chr12	34292064	34292064	+	4.623E-18	8.4035E-17	-0.26985	hypo	sig	chr12_34292064
chr13	35699348	35699348	+	4.629E-18	8.4132E-17	0.289979	hyper	sig	chr13_35699348
chr1	63330592	63330592	+	4.632E-18	8.418E-17	0.29215	hyper	sig	chr1_63330592
chr18	909127	909127	+	4.632E-18	8.4185E-17	0.290057	hyper	sig	chr18_909127
chr1	63320343	63320343	+	4.633E-18	8.4197E-17	0.253369	hyper	sig	chr1_63320343
chr14	56812366	56812366	+	4.635E-18	8.4238E-17	0.26758	hyper	sig	chr14_56812366
chr5	1.73E+08	173244550	+	4.635E-18	8.4238E-17	0.306235	hyper	sig	chr5_173244550
chr20	63161158	63161158	+	4.636E-18	8.4255E-17	-0.39559	hypo	sig	chr20_63161158
chr6	33829241	33829241	+	4.638E-18	8.4284E-17	0.336163	hyper	sig	chr6_33829241
chr2	1.32E+08	132257090	+	4.638E-18	8.4285E-17	0.294022	hyper	sig	chr2_132257090
chr6	71686265	71686265	+	4.639E-18	8.4305E-17	-0.20694	hypo	sig	chr6_71686265
chr7	1027696	1027696	+	4.642E-18	8.4357E-17	0.260243	hyper	sig	chr7_1027696
chr9	98707027	98707027	+	4.644E-18	8.4389E-17	0.210495	hyper	sig	chr9_98707027
chr16	86578984	86578984	+	4.645E-18	8.4405E-17	0.2682	hyper	sig	chr16_86578984
chr20	33283078	33283078	+	4.648E-18	8.4457E-17	-0.27985	hypo	sig	chr20_33283078
chr3	1.47E+08	147392924	+	4.651E-18	8.4502E-17	0.297008	hyper	sig	chr3_147392924
chr10	1.33E+08	132752839	+	4.652E-18	8.4525E-17	-0.23962	hypo	sig	chr10_132752839
chr6	7427066	7427066	+	4.655E-18	8.4577E-17	0.305315	hyper	sig	chr6_7427066
chr19	39515547	39515547	+	4.656E-18	8.4594E-17	0.384468	hyper	sig	chr19_39515547
chr9	98944335	98944335	+	4.657E-18	8.4607E-17	0.221858	hyper	sig	chr9_98944335
chr4	1.74E+08	173519396	+	4.66E-18	8.4657E-17	0.268072	hyper	sig	chr4_173519396
chr16	31216778	31216778	+	4.663E-18	8.4711E-17	0.224529	hyper	sig	chr16_31216778
chr5	1.73E+08	173245381	+	4.664E-18	8.4721E-17	0.254846	hyper	sig	chr5_173245381
chr17	80834361	80834361	+	4.666E-18	8.4765E-17	0.271331	hyper	sig	chr17_80834361
chr7	1123841	1123841	+	4.667E-18	8.4788E-17	0.272645	hyper	sig	chr7_1123841
chr14	37622895	37622895	+	4.669E-18	8.4819E-17	0.259293	hyper	sig	chr14_37622895
chr7	32298672	32298672	+	4.674E-18	8.4893E-17	0.340998	hyper	sig	chr7_32298672
chr12	4910281	4910281	+	4.676E-18	8.493E-17	0.2597	hyper	sig	chr12_4910281
chr4	386529	386529	+	4.678E-18	8.4964E-17	0.269627	hyper	sig	chr4_386529
chr12	24903249	24903249	+	4.678E-18	8.4968E-17	0.237344	hyper	sig	chr12_24903249
chr12	62191414	62191414	+	4.679E-18	8.4987E-17	0.290518	hyper	sig	chr12_62191414
chr10	69103949	69103949	+	4.683E-18	8.5052E-17	-0.20093	hypo	sig	chr10_69103949
chr8	1.44E+08	143939310	+	4.688E-18	8.515E-17	-0.30682	hypo	sig	chr8_143939310
chr11	1.29E+08	128692977	+	4.703E-18	8.541E-17	0.235713	hyper	sig	chr11_128692977
chr11	61773586	61773586	+	4.706E-18	8.5467E-17	0.324421	hyper	sig	chr11_61773586
chr12	53492386	53492386	+	4.706E-18	8.5467E-17	0.260084	hyper	sig	chr12_53492386
chr20	4815240	4815240	+	4.707E-18	8.548E-17	-0.28826	hypo	sig	chr20_4815240

chr6	6004676	6004676	+	4.709E-18	8.5511E-17	0.252666	hyper	sig	chr6_6004676
chr1	3247844	3247844	+	4.71E-18	8.553E-17	0.2057	hyper	sig	chr1_3247844
chr19	1773547	1773547	+	4.716E-18	8.5645E-17	-0.29826	hypo	sig	chr19_1773547
chr16	7303485	7303485	+	4.718E-18	8.5672E-17	0.292701	hyper	sig	chr16_7303485
chr12	1.25E+08	124507973	+	4.718E-18	8.5673E-17	0.333691	hyper	sig	chr12_124507973
chr19	7115860	7115860	+	4.719E-18	8.5685E-17	0.280612	hyper	sig	chr19_7115860
chr8	64373711	64373711	+	4.723E-18	8.575E-17	0.305868	hyper	sig	chr8_64373711
chr15	83283239	83283239	+	4.724E-18	8.5764E-17	0.283846	hyper	sig	chr15_83283239
chr19	53942671	53942671	+	4.724E-18	8.5777E-17	0.332054	hyper	sig	chr19_53942671
chr6	27215136	27215136	+	4.729E-18	8.5866E-17	0.231885	hyper	sig	chr6_27215136
chr16	1057364	1057364	+	4.733E-18	8.5928E-17	-0.22318	hypo	sig	chr16_1057364
chr7	19692392	19692392	+	4.736E-18	8.5972E-17	-0.23507	hypo	sig	chr7_19692392
chr1	63320309	63320309	+	4.736E-18	8.5975E-17	0.253023	hyper	sig	chr1_63320309
chr5	59893994	59893994	+	4.738E-18	8.6017E-17	0.201718	hyper	sig	chr5_59893994
chr8	868710	868710	+	4.741E-18	8.6062E-17	-0.24727	hypo	sig	chr8_868710
chr14	51752236	51752236	+	4.744E-18	8.6109E-17	-0.28971	hypo	sig	chr14_51752236
chr5	77972569	77972569	+	4.748E-18	8.6181E-17	0.288308	hyper	sig	chr5_77972569
chr20	46057449	46057449	+	4.749E-18	8.6207E-17	0.292119	hyper	sig	chr20_46057449
chr3	1.98E+08	198047310	+	4.75E-18	8.6213E-17	-0.28831	hypo	sig	chr3_198047310
chr7	4725366	4725366	+	4.75E-18	8.6214E-17	0.264488	hyper	sig	chr7_4725366
chr7	1.04E+08	103988987	+	4.751E-18	8.624E-17	0.292967	hyper	sig	chr7_103988987
chr12	1.31E+08	131057393	+	4.754E-18	8.6294E-17	-0.2519	hypo	sig	chr12_131057393
chr4	7299867	7299867	+	4.755E-18	8.6306E-17	-0.2923	hypo	sig	chr4_7299867
chr19	38975299	38975299	+	4.758E-18	8.636E-17	0.22247	hyper	sig	chr19_38975299
chr12	50842363	50842363	+	4.758E-18	8.6363E-17	-0.34341	hypo	sig	chr12_50842363
chr7	1.54E+08	153749673	+	4.763E-18	8.6438E-17	0.238374	hyper	sig	chr7_153749673
chr6	45664118	45664118	+	4.765E-18	8.6477E-17	0.283525	hyper	sig	chr6_45664118
chr12	24903273	24903273	+	4.767E-18	8.6514E-17	0.239841	hyper	sig	chr12_24903273
chr20	5303839	5303839	+	4.779E-18	8.6726E-17	-0.28098	hypo	sig	chr20_5303839
chr1	27350826	27350826	+	4.782E-18	8.6777E-17	0.403583	hyper	sig	chr1_27350826
chr20	62220904	62220904	+	4.783E-18	8.68E-17	0.285709	hyper	sig	chr20_62220904
chr4	1.9E+08	190020525	+	4.784E-18	8.6816E-17	0.265954	hyper	sig	chr4_190020525
chr5	1003095	1003095	+	4.785E-18	8.6827E-17	-0.35081	hypo	sig	chr5_1003095
chr20	23049679	23049679	+	4.786E-18	8.6846E-17	0.22949	hyper	sig	chr20_23049679
chr12	1.28E+08	128268591	+	4.787E-18	8.6865E-17	0.214599	hyper	sig	chr12_128268591
chr6	28988467	28988467	+	4.79E-18	8.6907E-17	0.219404	hyper	sig	chr6_28988467
chr17	2421736	2421736	+	4.79E-18	8.6916E-17	0.237207	hyper	sig	chr17_2421736
chr4	1.89E+08	188631371	+	4.795E-18	8.6993E-17	-0.20871	hypo	sig	chr4_188631371
chr8	1.44E+08	144412061	+	4.8E-18	8.7087E-17	0.256888	hyper	sig	chr8_144412061
chr3	63278424	63278424	+	4.803E-18	8.7133E-17	0.261617	hyper	sig	chr3_63278424
chr16	1982065	1982065	+	4.806E-18	8.7192E-17	-0.28927	hypo	sig	chr16_1982065
chr15	74132822	74132822	+	4.821E-18	8.7461E-17	0.430347	hyper	sig	chr15_74132822
chr13	52739810	52739810	+	4.821E-18	8.7464E-17	0.350611	hyper	sig	chr13_52739810
chr6	25359731	25359731	+	4.823E-18	8.7499E-17	-0.23017	hypo	sig	chr6_25359731
chr15	93415267	93415267	+	4.824E-18	8.751E-17	-0.22858	hypo	sig	chr15_93415267
chr13	1.12E+08	112216100	+	4.833E-18	8.7664E-17	-0.2649	hypo	sig	chr13_112216100
chr4	1305417	1305417	+	4.834E-18	8.7686E-17	-0.28315	hypo	sig	chr4_1305417
chr5	1.41E+08	140841789	+	4.834E-18	8.7686E-17	0.252902	hyper	sig	chr5_140841789
chr16	85845466	85845466	+	4.834E-18	8.7688E-17	0.275092	hyper	sig	chr16_85845466
chr6	31354800	31354800	+	4.835E-18	8.7702E-17	-0.22258	hypo	sig	chr6_31354800
chr16	70451094	70451094	+	4.836E-18	8.7716E-17	0.271259	hyper	sig	chr16_70451094
chr2	2.4E+08	240324887	+	4.836E-18	8.7718E-17	-0.26091	hypo	sig	chr2_240324887
chr20	46021762	46021762	+	4.838E-18	8.7753E-17	0.28766	hyper	sig	chr20_46021762
chr6	29792633	29792633	+	4.839E-18	8.7756E-17	0.251786	hyper	sig	chr6_29792633
chr4	8394436	8394436	+	4.84E-18	8.7777E-17	0.248228	hyper	sig	chr4_8394436
chr1	16226989	16226989	+	4.842E-18	8.7816E-17	0.219124	hyper	sig	chr1_16226989

chr22	36322417	36322417	+	4.845E-18	8.7864E-17	0.201317	hyper	sig	chr22_36322417
chr17	6995893	6995893	+	4.848E-18	8.7914E-17	0.211402	hyper	sig	chr17_6995893
chr8	55939759	55939759	+	4.848E-18	8.7917E-17	0.343515	hyper	sig	chr8_55939759
chr1	50425708	50425708	+	4.854E-18	8.8029E-17	0.248736	hyper	sig	chr1_50425708
chr16	1176067	1176067	+	4.855E-18	8.8031E-17	-0.30151	hypo	sig	chr16_1176067
chr2	26171678	26171678	+	4.855E-18	8.8041E-17	0.27342	hyper	sig	chr2_26171678
chr2	73291615	73291615	+	4.856E-18	8.8048E-17	0.236064	hyper	sig	chr2_73291615
chr6	1.5E+08	149964498	+	4.856E-18	8.8055E-17	0.222964	hyper	sig	chr6_149964498
chr16	51151546	51151546	+	4.858E-18	8.8091E-17	0.242553	hyper	sig	chr16_51151546
chr7	1.5E+08	150402978	+	4.859E-18	8.81E-17	-0.26328	hypo	sig	chr7_150402978
chr4	1.51E+08	150582946	+	4.865E-18	8.8212E-17	0.365188	hyper	sig	chr4_150582946
chr11	1.25E+08	124843483	+	4.869E-18	8.8278E-17	0.272964	hyper	sig	chr11_124843483
chr11	20363539	20363539	+	4.87E-18	8.8294E-17	-0.25477	hypo	sig	chr11_20363539
chr3	1.61E+08	161105445	+	4.87E-18	8.8294E-17	0.206953	hyper	sig	chr3_161105445
chr12	53951325	53951325	+	4.877E-18	8.8419E-17	0.238712	hyper	sig	chr12_53951325
chr6	1.42E+08	142088598	+	4.88E-18	8.8472E-17	0.310348	hyper	sig	chr6_142088598
chr5	1.41E+08	141177793	+	4.881E-18	8.8481E-17	0.254004	hyper	sig	chr5_141177793
chr19	52398089	52398089	+	4.881E-18	8.8483E-17	0.203724	hyper	sig	chr19_52398089
chr14	88326908	88326908	+	4.881E-18	8.8489E-17	0.215115	hyper	sig	chr14_88326908
chr6	41638046	41638046	+	4.886E-18	8.8574E-17	0.290259	hyper	sig	chr6_41638046
chr12	1.24E+08	124387819	+	4.888E-18	8.8601E-17	0.363283	hyper	sig	chr12_124387819
chr10	23172640	23172640	+	4.888E-18	8.8605E-17	0.307494	hyper	sig	chr10_23172640
chr5	368728	368728	+	4.891E-18	8.8644E-17	-0.24113	hypo	sig	chr5_368728
chr1	1.44E+08	143661203	+	4.891E-18	8.8653E-17	0.323742	hyper	sig	chr1_143661203
chr7	120725	120725	+	4.892E-18	8.8662E-17	-0.35792	hypo	sig	chr7_120725
chr8	43270840	43270840	+	4.893E-18	8.8687E-17	-0.29402	hypo	sig	chr8_43270840
chr20	63007236	63007236	+	4.906E-18	8.8904E-17	0.29565	hyper	sig	chr20_63007236
chr4	1.51E+08	150582349	+	4.907E-18	8.8919E-17	0.340023	hyper	sig	chr4_150582349
chr1	18631824	18631824	+	4.908E-18	8.8941E-17	0.257573	hyper	sig	chr1_18631824
chr2	70899591	70899591	+	4.911E-18	8.8992E-17	0.206176	hyper	sig	chr2_70899591
chr20	64072232	64072232	+	4.911E-18	8.9002E-17	-0.25781	hypo	sig	chr20_64072232
chr6	32757493	32757493	+	4.912E-18	8.9016E-17	-0.30002	hypo	sig	chr6_32757493
chr12	1.31E+08	130958779	+	4.914E-18	8.9041E-17	-0.2364	hypo	sig	chr12_130958779
chr3	1.2E+08	119810301	+	4.916E-18	8.9074E-17	0.260956	hyper	sig	chr3_119810301
chr11	72013646	72013646	+	4.917E-18	8.9097E-17	0.252324	hyper	sig	chr11_72013646
chr2	2.32E+08	231927206	+	4.921E-18	8.9166E-17	0.200824	hyper	sig	chr2_231927206
chr16	88638635	88638635	+	4.927E-18	8.9267E-17	-0.24249	hypo	sig	chr16_88638635
chr17	74360098	74360098	+	4.929E-18	8.9305E-17	-0.26084	hypo	sig	chr17_74360098
chr4	3767881	3767881	+	4.93E-18	8.9324E-17	0.26343	hyper	sig	chr4_3767881
chr6	10390557	10390557	+	4.93E-18	8.9324E-17	0.303345	hyper	sig	chr6_10390557
chr5	1.73E+08	173244026	+	4.932E-18	8.9354E-17	0.27006	hyper	sig	chr5_173244026
chr3	1.28E+08	127592195	+	4.94E-18	8.9496E-17	-0.27496	hypo	sig	chr3_127592195
chr2	1.28E+08	128409080	+	4.945E-18	8.9592E-17	-0.27361	hypo	sig	chr2_128409080
chr14	24172337	24172337	+	4.946E-18	8.9609E-17	0.263292	hyper	sig	chr14_24172337
chr16	56190756	56190756	+	4.95E-18	8.9679E-17	0.246759	hyper	sig	chr16_56190756
chr4	7919158	7919158	+	4.957E-18	8.9788E-17	0.200603	hyper	sig	chr4_7919158
chr2	74514724	74514724	+	4.959E-18	8.9828E-17	0.230048	hyper	sig	chr2_74514724
chr6	32055765	32055765	+	4.963E-18	8.9894E-17	-0.20889	hypo	sig	chr6_32055765
chr4	3767856	3767856	+	4.964E-18	8.9919E-17	0.273362	hyper	sig	chr4_3767856
chr6	39322939	39322939	+	4.973E-18	9.0081E-17	-0.30547	hypo	sig	chr6_39322939
chr10	1.19E+08	119212016	+	4.975E-18	9.0109E-17	0.271402	hyper	sig	chr10_119212016
chr7	57868077	57868077	+	4.976E-18	9.0124E-17	0.321607	hyper	sig	chr7_57868077
chr6	42554158	42554158	+	4.98E-18	9.0202E-17	0.311851	hyper	sig	chr6_42554158
chr5	3599578	3599578	+	4.981E-18	9.0205E-17	0.323394	hyper	sig	chr5_3599578
chr12	1.32E+08	132275509	+	4.983E-18	9.0244E-17	-0.29453	hypo	sig	chr12_132275509
chr8	64576176	64576176	+	4.984E-18	9.0253E-17	0.310593	hyper	sig	chr8_64576176

chr7	63054370	63054370	+	4.984E-18	9.0256E-17	0.344928	hyper	sig	chr7_63054370
chr6	45664069	45664069	+	4.985E-18	9.0269E-17	0.319082	hyper	sig	chr6_45664069
chr2	98347723	98347723	+	4.986E-18	9.0294E-17	0.337257	hyper	sig	chr2_98347723
chr4	11427903	11427903	+	4.987E-18	9.03E-17	0.236636	hyper	sig	chr4_11427903
chr7	1.55E+08	155373841	+	4.987E-18	9.0312E-17	0.225493	hyper	sig	chr7_155373841
chr2	1.05E+08	105144497	+	4.988E-18	9.032E-17	0.302261	hyper	sig	chr2_105144497
chr6	1.59E+08	158631433	+	4.998E-18	9.0504E-17	-0.2064	hypo	sig	chr6_158631433
chr6	1.18E+08	117548319	+	4.999E-18	9.0508E-17	0.2989	hyper	sig	chr6_117548319
chr2	91443018	91443018	+	4.999E-18	9.0516E-17	0.295522	hyper	sig	chr2_91443018
chr1	34163485	34163485	+	5.001E-18	9.0551E-17	0.263779	hyper	sig	chr1_34163485
chr8	1.4E+08	139702886	+	5.003E-18	9.0582E-17	0.234601	hyper	sig	chr8_139702886
chr17	2421792	2421792	+	5.004E-18	9.0598E-17	0.230152	hyper	sig	chr17_2421792
chr7	920758	920758	+	5.006E-18	9.0625E-17	-0.24228	hypo	sig	chr7_920758
chr7	1.29E+08	128907605	+	5.008E-18	9.0666E-17	-0.25092	hypo	sig	chr7_128907605
chr22	30266847	30266847	+	5.009E-18	9.0673E-17	-0.30686	hypo	sig	chr22_30266847
chr4	1.66E+08	165874761	+	5.009E-18	9.0686E-17	0.30317	hyper	sig	chr4_165874761
chr3	1.31E+08	130517350	+	5.01E-18	9.0692E-17	0.297704	hyper	sig	chr3_130517350
chr1	1.19E+08	119000722	+	5.01E-18	9.0702E-17	0.269084	hyper	sig	chr1_119000722
chr5	41509957	41509957	+	5.013E-18	9.0748E-17	0.21537	hyper	sig	chr5_41509957
chr12	1.04E+08	104457578	+	5.015E-18	9.0782E-17	0.307199	hyper	sig	chr12_104457578
chr19	56636143	56636143	+	5.018E-18	9.0839E-17	-0.2519	hypo	sig	chr19_56636143
chr12	1.13E+08	113469333	+	5.019E-18	9.0856E-17	0.265077	hyper	sig	chr12_113469333
chr6	1.5E+08	149964652	+	5.02E-18	9.0871E-17	0.223152	hyper	sig	chr6_149964652
chr1	1.17E+08	117210980	+	5.023E-18	9.092E-17	-0.27077	hypo	sig	chr1_117210980
chr2	2.39E+08	239349326	+	5.024E-18	9.094E-17	0.287353	hyper	sig	chr2_239349326
chr2	73203210	73203210	+	5.026E-18	9.0967E-17	0.319574	hyper	sig	chr2_73203210
chr12	64390743	64390743	+	5.027E-18	9.0988E-17	0.33597	hyper	sig	chr12_64390743
chr8	26049242	26049242	+	5.028E-18	9.0998E-17	0.227039	hyper	sig	chr8_26049242
chr11	57596610	57596610	+	5.028E-18	9.1005E-17	-0.25186	hypo	sig	chr11_57596610
chr2	55924068	55924068	+	5.034E-18	9.1105E-17	0.250518	hyper	sig	chr2_55924068
chr1	45622848	45622848	+	5.037E-18	9.1146E-17	0.270225	hyper	sig	chr1_45622848
chr11	2169917	2169917	+	5.039E-18	9.1177E-17	-0.31894	hypo	sig	chr11_2169917
chr19	58009644	58009644	+	5.042E-18	9.1238E-17	0.281908	hyper	sig	chr19_58009644
chr5	1.41E+08	141374169	+	5.049E-18	9.1358E-17	0.347025	hyper	sig	chr5_141374169
chr15	28832464	28832464	+	5.05E-18	9.1369E-17	0.246881	hyper	sig	chr15_28832464
chr9	1.35E+08	134831363	+	5.053E-18	9.1435E-17	-0.32671	hypo	sig	chr9_134831363
chr19	36916669	36916669	+	5.059E-18	9.1534E-17	0.241958	hyper	sig	chr19_36916669
chr20	21102218	21102218	+	5.06E-18	9.1557E-17	0.295614	hyper	sig	chr20_21102218
chr3	32817932	32817932	+	5.064E-18	9.162E-17	0.210435	hyper	sig	chr3_32817932
chr7	53035583	53035583	+	5.064E-18	9.1621E-17	-0.26728	hypo	sig	chr7_53035583
chr2	20670451	20670451	+	5.069E-18	9.1715E-17	0.27231	hyper	sig	chr2_20670451
chr1	22643579	22643579	+	5.071E-18	9.1747E-17	-0.37027	hypo	sig	chr1_22643579
chr2	2.39E+08	239121674	+	5.074E-18	9.1794E-17	0.304629	hyper	sig	chr2_239121674
chr4	1.5E+08	150256966	+	5.078E-18	9.1864E-17	-0.26188	hypo	sig	chr4_150256966
chr13	24328406	24328406	+	5.08E-18	9.1894E-17	0.225845	hyper	sig	chr13_24328406
chr19	53255265	53255265	+	5.085E-18	9.1991E-17	0.328963	hyper	sig	chr19_53255265
chr19	57709350	57709350	+	5.088E-18	9.2033E-17	0.23622	hyper	sig	chr19_57709350
chr17	75844650	75844650	+	5.089E-18	9.205E-17	-0.30733	hypo	sig	chr17_75844650
chr1	1.19E+08	118984442	+	5.091E-18	9.2091E-17	0.205583	hyper	sig	chr1_118984442
chr1	1.19E+08	119000685	+	5.093E-18	9.2119E-17	0.2388	hyper	sig	chr1_119000685
chr16	86496328	86496328	+	5.094E-18	9.2137E-17	0.249173	hyper	sig	chr16_86496328
chr6	80070477	80070477	+	5.099E-18	9.222E-17	-0.27465	hypo	sig	chr6_80070477
chr7	1139438	1139438	+	5.106E-18	9.2345E-17	-0.26873	hypo	sig	chr7_1139438
chr19	48480251	48480251	+	5.11E-18	9.2424E-17	0.247091	hyper	sig	chr19_48480251
chr17	77320696	77320696	+	5.117E-18	9.2541E-17	0.311204	hyper	sig	chr17_77320696
chr10	70283734	70283734	+	5.119E-18	9.2573E-17	0.352502	hyper	sig	chr10_70283734

chr20	1329127	1329127	+	5.124E-18	9.2663E-17	-0.26356	hypo	sig	chr20_1329127
chr7	1520937	1520937	+	5.125E-18	9.2675E-17	-0.23078	hypo	sig	chr7_1520937
chr17	6655573	6655573	+	5.129E-18	9.2749E-17	0.239134	hyper	sig	chr17_6655573
chr3	75604401	75604401	+	5.13E-18	9.2763E-17	-0.33591	hypo	sig	chr3_75604401
chr19	3136445	3136445	+	5.13E-18	9.2765E-17	-0.28111	hypo	sig	chr19_3136445
chr7	1.51E+08	151019289	+	5.141E-18	9.2972E-17	0.261902	hyper	sig	chr7_151019289
chr20	4815273	4815273	+	5.143E-18	9.2991E-17	-0.28933	hypo	sig	chr20_4815273
chr11	70826674	70826674	+	5.144E-18	9.3013E-17	0.291131	hyper	sig	chr11_70826674
chr14	95692578	95692578	+	5.15E-18	9.3111E-17	-0.25378	hypo	sig	chr14_95692578
chr20	10218867	10218867	+	5.15E-18	9.3121E-17	0.23374	hyper	sig	chr20_10218867
chr10	1.32E+08	131519345	+	5.154E-18	9.3195E-17	0.234397	hyper	sig	chr10_131519345
chr10	27320234	27320234	+	5.156E-18	9.322E-17	-0.21759	hypo	sig	chr10_27320234
chr5	3602301	3602301	+	5.163E-18	9.3341E-17	0.318016	hyper	sig	chr5_3602301
chr20	25084711	25084711	+	5.165E-18	9.3372E-17	0.286465	hyper	sig	chr20_25084711
chr5	3393776	3393776	+	5.165E-18	9.3372E-17	-0.25599	hypo	sig	chr5_3393776
chr13	99989245	99989245	+	5.166E-18	9.3388E-17	0.335186	hyper	sig	chr13_99989245
chr14	28765732	28765732	+	5.167E-18	9.3416E-17	0.289434	hyper	sig	chr14_28765732
chr11	65607521	65607521	+	5.169E-18	9.3436E-17	0.262133	hyper	sig	chr11_65607521
chr7	181810	181810	+	5.17E-18	9.3467E-17	-0.28778	hypo	sig	chr7_181810
chr3	1.41E+08	141065287	+	5.171E-18	9.3467E-17	-0.32249	hypo	sig	chr3_141065287
chr6	1.67E+08	167396337	+	5.172E-18	9.3491E-17	-0.28268	hypo	sig	chr6_167396337
chr15	96366093	96366093	+	5.174E-18	9.3516E-17	0.25346	hyper	sig	chr15_96366093
chr15	88256113	88256113	+	5.176E-18	9.356E-17	0.255339	hyper	sig	chr15_88256113
chr7	1.59E+08	159153255	+	5.177E-18	9.3579E-17	-0.29862	hypo	sig	chr7_159153255
chr5	2006260	2006260	+	5.183E-18	9.3682E-17	-0.22184	hypo	sig	chr5_2006260
chr17	38918741	38918741	+	5.186E-18	9.3734E-17	0.211376	hyper	sig	chr17_38918741
chr19	36666416	36666416	+	5.187E-18	9.3751E-17	0.218531	hyper	sig	chr19_36666416
chr16	991151	991151	+	5.188E-18	9.3761E-17	-0.25067	hypo	sig	chr16_991151
chr5	1.69E+08	168529854	+	5.19E-18	9.3799E-17	0.277083	hyper	sig	chr5_168529854
chr11	3232567	3232567	+	5.191E-18	9.3819E-17	0.248316	hyper	sig	chr11_3232567
chr2	1.18E+08	117836202	+	5.194E-18	9.3871E-17	0.212945	hyper	sig	chr2_117836202
chr12	1.17E+08	117189481	+	5.195E-18	9.3891E-17	0.281108	hyper	sig	chr12_117189481
chr3	62367837	62367837	+	5.196E-18	9.3901E-17	0.256379	hyper	sig	chr3_62367837
chr11	1.3E+08	129743871	+	5.197E-18	9.3915E-17	-0.28927	hypo	sig	chr11_129743871
chr6	32879885	32879885	+	5.197E-18	9.392E-17	0.246952	hyper	sig	chr6_32879885
chr11	78962150	78962150	+	5.2E-18	9.396E-17	0.328988	hyper	sig	chr11_78962150
chr5	1.62E+08	161546002	+	5.209E-18	9.4115E-17	0.227972	hyper	sig	chr5_161546002
chr20	2559111	2559111	+	5.214E-18	9.4205E-17	0.233282	hyper	sig	chr20_2559111
chr11	31804895	31804895	+	5.216E-18	9.4239E-17	0.301154	hyper	sig	chr11_31804895
chr13	22926235	22926235	+	5.222E-18	9.4352E-17	0.346961	hyper	sig	chr13_22926235
chr2	73983723	73983723	+	5.233E-18	9.4535E-17	-0.24448	hypo	sig	chr2_73983723
chr7	1.01E+08	101174642	+	5.241E-18	9.4683E-17	0.247194	hyper	sig	chr7_101174642
chr19	33799386	33799386	+	5.241E-18	9.4689E-17	0.249021	hyper	sig	chr19_33799386
chr1	1.98E+08	197919767	+	5.244E-18	9.4743E-17	0.254392	hyper	sig	chr1_197919767
chr11	86195391	86195391	+	5.245E-18	9.4745E-17	-0.23021	hypo	sig	chr11_86195391
chr1	3063926	3063926	+	5.247E-18	9.478E-17	0.296372	hyper	sig	chr1_3063926
chr10	26211790	26211790	+	5.257E-18	9.496E-17	0.287568	hyper	sig	chr10_26211790
chr7	1513516	1513516	+	5.257E-18	9.496E-17	-0.31389	hypo	sig	chr7_1513516
chr5	1.55E+08	154615011	+	5.258E-18	9.4974E-17	-0.24613	hypo	sig	chr5_154615011
chr17	81529233	81529233	+	5.26E-18	9.5001E-17	-0.31083	hypo	sig	chr17_81529233
chr1	3140424	3140424	+	5.26E-18	9.5006E-17	0.283818	hyper	sig	chr1_3140424
chr6	31186197	31186197	+	5.261E-18	9.5025E-17	-0.29196	hypo	sig	chr6_31186197
chr13	1.13E+08	112991195	+	5.263E-18	9.5058E-17	-0.2695	hypo	sig	chr13_112991195
chr7	2310094	2310094	+	5.264E-18	9.5077E-17	0.251413	hyper	sig	chr7_2310094
chr3	1.35E+08	134797477	+	5.276E-18	9.5274E-17	0.329539	hyper	sig	chr3_134797477
chr1	11654223	11654223	+	5.277E-18	9.5287E-17	0.242697	hyper	sig	chr1_11654223

chr11	1.21E+08	120512945	+	5.278E-18	9.5318E-17	-0.31911	hypo	sig	chr11_120512945
chr17	57045614	57045614	+	5.279E-18	9.5321E-17	0.321865	hyper	sig	chr17_57045614
chr22	16601133	16601133	+	5.284E-18	9.5422E-17	0.237003	hyper	sig	chr22_16601133
chr17	7929839	7929839	+	5.285E-18	9.5426E-17	0.292207	hyper	sig	chr17_7929839
chr19	52493320	52493320	+	5.286E-18	9.5442E-17	0.308298	hyper	sig	chr19_52493320
chr20	63369705	63369705	+	5.286E-18	9.5442E-17	-0.40524	hypo	sig	chr20_63369705
chr19	43699431	43699431	+	5.288E-18	9.5466E-17	0.254702	hyper	sig	chr19_43699431
chr7	1.51E+08	151300475	+	5.291E-18	9.5526E-17	-0.31528	hypo	sig	chr7_151300475
chr8	1.43E+08	142777158	+	5.294E-18	9.5587E-17	0.255846	hyper	sig	chr8_142777158
chr6	1.64E+08	163972742	+	5.297E-18	9.5631E-17	-0.29267	hypo	sig	chr6_163972742
chr14	94773249	94773249	+	5.3E-18	9.5683E-17	0.201974	hyper	sig	chr14_94773249
chr7	91266061	91266061	+	5.301E-18	9.5696E-17	0.272035	hyper	sig	chr7_91266061
chr5	71719142	71719142	+	5.305E-18	9.5761E-17	0.383212	hyper	sig	chr5_71719142
chr10	1.25E+08	125138293	+	5.305E-18	9.5764E-17	-0.29193	hypo	sig	chr10_125138293
chr6	32155702	32155702	+	5.31E-18	9.5851E-17	0.264896	hyper	sig	chr6_32155702
chr16	88297347	88297347	+	5.311E-18	9.5873E-17	-0.25444	hypo	sig	chr16_88297347
chr7	3056852	3056852	+	5.317E-18	9.5978E-17	0.260272	hyper	sig	chr7_3056852
chr7	1.22E+08	122307044	+	5.323E-18	9.6084E-17	0.283169	hyper	sig	chr7_122307044
chr16	1963169	1963169	+	5.327E-18	9.6148E-17	-0.23637	hypo	sig	chr16_1963169
chr8	48581534	48581534	+	5.33E-18	9.6205E-17	0.42271	hyper	sig	chr8_48581534
chr6	1.59E+08	158650044	+	5.33E-18	9.6209E-17	-0.20198	hypo	sig	chr6_158650044
chr4	65668381	65668381	+	5.331E-18	9.6223E-17	0.226244	hyper	sig	chr4_65668381
chr1	6386087	6386087	+	5.334E-18	9.6275E-17	-0.23773	hypo	sig	chr1_6386087
chr1	53526957	53526957	+	5.339E-18	9.6357E-17	0.319729	hyper	sig	chr1_53526957
chr11	2383089	2383089	+	5.339E-18	9.6357E-17	0.386518	hyper	sig	chr11_2383089
chr2	2.32E+08	232486338	+	5.339E-18	9.6359E-17	0.269329	hyper	sig	chr2_232486338
chr6	28590066	28590066	+	5.342E-18	9.6397E-17	0.290698	hyper	sig	chr6_28590066
chr13	1.11E+08	111283731	+	5.342E-18	9.641E-17	0.274972	hyper	sig	chr13_111283731
chr7	50267067	50267067	+	5.345E-18	9.6452E-17	-0.25415	hypo	sig	chr7_50267067
chr13	1.02E+08	102400111	+	5.348E-18	9.6507E-17	0.271766	hyper	sig	chr13_102400111
chr8	41309502	41309502	+	5.349E-18	9.6513E-17	0.218586	hyper	sig	chr8_41309502
chr16	988229	988229	+	5.353E-18	9.6588E-17	-0.28511	hypo	sig	chr16_988229
chr5	59893906	59893906	+	5.355E-18	9.6621E-17	0.262519	hyper	sig	chr5_59893906
chr9	1.37E+08	136696275	+	5.356E-18	9.6644E-17	-0.23365	hypo	sig	chr9_136696275
chr20	46030302	46030302	+	5.359E-18	9.6692E-17	0.376551	hyper	sig	chr20_46030302
chr13	94704819	94704819	+	5.367E-18	9.6829E-17	0.32986	hyper	sig	chr13_94704819
chr9	96877272	96877272	+	5.367E-18	9.6835E-17	0.379107	hyper	sig	chr9_96877272
chr13	1.1E+08	110129263	+	5.373E-18	9.6943E-17	-0.22495	hypo	sig	chr13_110129263
chr20	60966239	60966239	+	5.375E-18	9.697E-17	-0.35575	hypo	sig	chr20_60966239
chr16	85329603	85329603	+	5.377E-18	9.7002E-17	-0.27229	hypo	sig	chr16_85329603
chr11	31799458	31799458	+	5.383E-18	9.7104E-17	0.28717	hyper	sig	chr11_31799458
chr8	1.44E+08	143608786	+	5.385E-18	9.7145E-17	-0.25177	hypo	sig	chr8_143608786
chr20	21517525	21517525	+	5.39E-18	9.723E-17	0.314762	hyper	sig	chr20_21517525
chr15	62782709	62782709	+	5.392E-18	9.7263E-17	0.320325	hyper	sig	chr15_62782709
chr20	46314366	46314366	+	5.404E-18	9.7475E-17	-0.27531	hypo	sig	chr20_46314366
chr10	8037297	8037297	+	5.405E-18	9.7489E-17	0.227067	hyper	sig	chr10_8037297
chr2	29920124	29920124	+	5.409E-18	9.7559E-17	0.324528	hyper	sig	chr2_29920124
chr7	1.01E+08	101362637	+	5.41E-18	9.7584E-17	0.277217	hyper	sig	chr7_101362637
chr12	1.07E+08	106580932	+	5.415E-18	9.7666E-17	0.402355	hyper	sig	chr12_106580932
chr11	94537094	94537094	+	5.418E-18	9.7726E-17	-0.25532	hypo	sig	chr11_94537094
chr2	70907368	70907368	+	5.419E-18	9.7727E-17	0.265013	hyper	sig	chr2_70907368
chr1	11526202	11526202	+	5.422E-18	9.7778E-17	-0.30252	hypo	sig	chr1_11526202
chr8	1.31E+08	131487172	+	5.422E-18	9.7783E-17	-0.23389	hypo	sig	chr8_131487172
chr11	31801767	31801767	+	5.425E-18	9.783E-17	0.223993	hyper	sig	chr11_31801767
chr6	50725000	50725000	+	5.426E-18	9.7847E-17	0.317906	hyper	sig	chr6_50725000
chr17	21397470	21397470	+	5.434E-18	9.7989E-17	0.338845	hyper	sig	chr17_21397470

chr17	18634753	18634753	+	5.435E-18	9.8015E-17	0.258157	hyper	sig	chr17_18634753
chr7	1.22E+08	122315840	+	5.438E-18	9.8058E-17	0.236454	hyper	sig	chr7_122315840
chr10	26946669	26946669	+	5.441E-18	9.8106E-17	0.223798	hyper	sig	chr10_26946669
chr12	80716974	80716974	+	5.441E-18	9.8106E-17	0.262304	hyper	sig	chr12_80716974
chr13	83906537	83906537	+	5.441E-18	9.8117E-17	-0.20212	hypo	sig	chr13_83906537
chr4	1.88E+08	187501937	+	5.444E-18	9.8162E-17	-0.24865	hypo	sig	chr4_187501937
chr10	1.33E+08	132520749	+	5.444E-18	9.8168E-17	0.268839	hyper	sig	chr10_132520749
chr4	1.04E+08	103720035	+	5.447E-18	9.8204E-17	0.267886	hyper	sig	chr4_103720035
chr12	70920364	70920364	+	5.46E-18	9.8442E-17	0.282085	hyper	sig	chr12_70920364
chr9	1.21E+08	120878213	+	5.461E-18	9.8465E-17	-0.25503	hypo	sig	chr9_120878213
chr20	63178005	63178005	+	5.462E-18	9.8479E-17	0.220639	hyper	sig	chr20_63178005
chr11	44316029	44316029	+	5.464E-18	9.8502E-17	0.323195	hyper	sig	chr11_44316029
chr5	7396824	7396824	+	5.464E-18	9.851E-17	0.212379	hyper	sig	chr5_7396824
chr19	53883789	53883789	+	5.465E-18	9.8521E-17	0.33439	hyper	sig	chr19_53883789
chr11	1.11E+08	111284209	+	5.468E-18	9.858E-17	-0.25572	hypo	sig	chr11_111284209
chr16	89064578	89064578	+	5.47E-18	9.861E-17	-0.2152	hypo	sig	chr16_89064578
chr12	48184783	48184783	+	5.474E-18	9.867E-17	0.30733	hyper	sig	chr12_48184783
chr19	11189970	11189970	+	5.477E-18	9.873E-17	0.288701	hyper	sig	chr19_11189970
chr19	11295438	11295438	+	5.477E-18	9.8732E-17	-0.25285	hypo	sig	chr19_11295438
chr20	63361216	63361216	+	5.487E-18	9.8908E-17	0.324734	hyper	sig	chr20_63361216
chr16	29181956	29181956	+	5.489E-18	9.8933E-17	-0.23769	hypo	sig	chr16_29181956
chr1	9410907	9410907	+	5.494E-18	9.9019E-17	-0.2681	hypo	sig	chr1_9410907
chr7	1.56E+08	155804362	+	5.498E-18	9.9089E-17	0.229373	hyper	sig	chr7_155804362
chr19	17747276	17747276	+	5.499E-18	9.9101E-17	-0.24498	hypo	sig	chr19_17747276
chr1	90724479	90724479	+	5.506E-18	9.923E-17	0.299671	hyper	sig	chr1_90724479
chr12	1.04E+08	104303582	+	5.509E-18	9.9282E-17	0.236356	hyper	sig	chr12_104303582
chr5	2008256	2008256	+	5.511E-18	9.9314E-17	0.269433	hyper	sig	chr5_2008256
chr2	1.05E+08	105119315	+	5.512E-18	9.9324E-17	0.269768	hyper	sig	chr2_105119315
chr11	96155046	96155046	+	5.513E-18	9.935E-17	0.257397	hyper	sig	chr11_96155046
chr5	1100227	1100227	+	5.515E-18	9.9383E-17	0.329014	hyper	sig	chr5_1100227
chr2	9112918	9112918	+	5.52E-18	9.9473E-17	-0.23432	hypo	sig	chr2_9112918
chr12	1.32E+08	132196462	+	5.523E-18	9.9525E-17	-0.44139	hypo	sig	chr12_132196462
chr12	54100762	54100762	+	5.53E-18	9.9637E-17	-0.29896	hypo	sig	chr12_54100762
chr1	1279252	1279252	+	5.533E-18	9.9684E-17	-0.2489	hypo	sig	chr1_1279252
chr13	21319326	21319326	+	5.535E-18	9.9716E-17	0.279921	hyper	sig	chr13_21319326
chr6	27312253	27312253	+	5.537E-18	9.9752E-17	0.223775	hyper	sig	chr6_27312253
chr16	2687241	2687241	+	5.541E-18	9.9825E-17	-0.24302	hypo	sig	chr16_2687241
chr1	2.29E+08	229270713	+	5.542E-18	9.9838E-17	-0.29328	hypo	sig	chr1_229270713
chr3	16173741	16173741	+	5.547E-18	9.9924E-17	-0.37653	hypo	sig	chr3_16173741
chr6	31121435	31121435	+	5.56E-18	1.0017E-16	-0.28385	hypo	sig	chr6_31121435
chr2	1.05E+08	105399711	+	5.565E-18	1.0025E-16	-0.21291	hypo	sig	chr2_105399711
chr20	63178071	63178071	+	5.566E-18	1.0027E-16	0.282796	hyper	sig	chr20_63178071
chr5	1.29E+08	128537863	+	5.569E-18	1.0032E-16	0.30201	hyper	sig	chr5_128537863
chr2	26758438	26758438	+	5.574E-18	1.0041E-16	-0.25667	hypo	sig	chr2_26758438
chr20	45098473	45098473	+	5.575E-18	1.0042E-16	0.284623	hyper	sig	chr20_45098473
chr7	1.55E+08	155373740	+	5.577E-18	1.0046E-16	0.201398	hyper	sig	chr7_155373740
chr19	57191182	57191182	+	5.578E-18	1.0047E-16	0.24276	hyper	sig	chr19_57191182
chr19	33683759	33683759	+	5.582E-18	1.0054E-16	-0.23351	hypo	sig	chr19_33683759
chr4	1.09E+08	109302703	+	5.588E-18	1.0065E-16	0.31466	hyper	sig	chr4_109302703
chr7	1.01E+08	101174626	+	5.594E-18	1.0075E-16	0.253054	hyper	sig	chr7_101174626
chr4	1.54E+08	154333425	+	5.597E-18	1.008E-16	0.22207	hyper	sig	chr4_154333425
chr6	99608911	99608911	+	5.598E-18	1.0081E-16	0.317361	hyper	sig	chr6_99608911
chr7	1.01E+08	100721020	+	5.599E-18	1.0083E-16	0.288998	hyper	sig	chr7_100721020
chr12	85278033	85278033	+	5.599E-18	1.0083E-16	0.247889	hyper	sig	chr12_85278033
chr7	56229860	56229860	+	5.602E-18	1.0088E-16	0.295873	hyper	sig	chr7_56229860
chr8	1.43E+08	142777059	+	5.603E-18	1.0089E-16	0.260217	hyper	sig	chr8_142777059

chr7	72969620	72969620	+	5.606E-18	1.0094E-16	0.413901	hyper	sig	chr7_72969620
chr8	64576188	64576188	+	5.612E-18	1.0105E-16	0.304494	hyper	sig	chr8_64576188
chr6	34238437	34238437	+	5.614E-18	1.0108E-16	-0.30821	hypo	sig	chr6_34238437
chr16	54288436	54288436	+	5.621E-18	1.0121E-16	0.319871	hyper	sig	chr16_54288436
chr3	75433031	75433031	+	5.621E-18	1.0121E-16	-0.23305	hypo	sig	chr3_75433031
chr10	1.32E+08	132232405	+	5.624E-18	1.0126E-16	-0.25192	hypo	sig	chr10_132232405
chr12	29783499	29783499	+	5.624E-18	1.0126E-16	0.20327	hyper	sig	chr12_29783499
chr16	88100801	88100801	+	5.627E-18	1.0131E-16	0.292555	hyper	sig	chr16_88100801
chr19	18008209	18008209	+	5.634E-18	1.0143E-16	0.21829	hyper	sig	chr19_18008209
chr14	28765688	28765688	+	5.635E-18	1.0144E-16	0.282762	hyper	sig	chr14_28765688
chr2	1E+08	100321360	+	5.637E-18	1.0147E-16	0.307663	hyper	sig	chr2_100321360
chr11	59062701	59062701	+	5.639E-18	1.0151E-16	0.237828	hyper	sig	chr11_59062701
chr5	88685384	88685384	+	5.64E-18	1.0153E-16	0.295317	hyper	sig	chr5_88685384
chr13	1.12E+08	112231459	+	5.643E-18	1.0159E-16	-0.33577	hypo	sig	chr13_112231459
chr20	21515959	21515959	+	5.643E-18	1.0159E-16	0.29065	hyper	sig	chr20_21515959
chr17	46850922	46850922	+	5.647E-18	1.0164E-16	0.275074	hyper	sig	chr17_46850922
chr7	88760093	88760093	+	5.649E-18	1.0169E-16	0.313145	hyper	sig	chr7_88760093
chr2	70888175	70888175	+	5.651E-18	1.0171E-16	0.205457	hyper	sig	chr2_70888175
chr13	99958758	99958758	+	5.662E-18	1.0191E-16	0.315021	hyper	sig	chr13_99958758
chr8	1.44E+08	143719064	+	5.667E-18	1.02E-16	-0.30479	hypo	sig	chr8_143719064
chr13	1.13E+08	112757173	+	5.669E-18	1.0203E-16	-0.27184	hypo	sig	chr13_112757173
chr16	86499340	86499340	+	5.67E-18	1.0204E-16	0.353942	hyper	sig	chr16_86499340
chr17	82047586	82047586	+	5.67E-18	1.0205E-16	-0.24131	hypo	sig	chr17_82047586
chr8	88327175	88327175	+	5.673E-18	1.021E-16	0.204329	hyper	sig	chr8_88327175
chr7	1.54E+08	153887371	+	5.674E-18	1.0211E-16	0.319602	hyper	sig	chr7_153887371
chr17	81461116	81461116	+	5.677E-18	1.0216E-16	-0.28386	hypo	sig	chr17_81461116
chr13	1.14E+08	114140334	+	5.684E-18	1.0227E-16	-0.20693	hypo	sig	chr13_114140334
chr19	6658284	6658284	+	5.687E-18	1.0234E-16	-0.28779	hypo	sig	chr19_6658284
chr6	50851170	50851170	+	5.689E-18	1.0236E-16	0.253177	hyper	sig	chr6_50851170
chr16	54281693	54281693	+	5.689E-18	1.0236E-16	0.204214	hyper	sig	chr16_54281693
chr10	43371679	43371679	+	5.69E-18	1.0237E-16	-0.24605	hypo	sig	chr10_43371679
chr2	2.4E+08	240041038	+	5.696E-18	1.0249E-16	-0.29327	hypo	sig	chr2_240041038
chr16	66923649	66923649	+	5.699E-18	1.0254E-16	0.294709	hyper	sig	chr16_66923649
chr5	73420295	73420295	+	5.699E-18	1.0254E-16	0.230937	hyper	sig	chr5_73420295
chr19	41090161	41090161	+	5.703E-18	1.026E-16	0.256724	hyper	sig	chr19_41090161
chr17	18259915	18259915	+	5.704E-18	1.0261E-16	-0.23211	hypo	sig	chr17_18259915
chr14	94936873	94936873	+	5.704E-18	1.0262E-16	0.319507	hyper	sig	chr14_94936873
chr2	2.32E+08	232378494	+	5.706E-18	1.0264E-16	-0.3373	hypo	sig	chr2_232378494
chr16	3560536	3560536	+	5.709E-18	1.027E-16	-0.2407	hypo	sig	chr16_3560536
chr11	587850	587850	+	5.711E-18	1.0274E-16	-0.21665	hypo	sig	chr11_587850
chr13	1.14E+08	113669770	+	5.72E-18	1.0289E-16	-0.21265	hypo	sig	chr13_113669770
chr2	1.73E+08	172739906	+	5.722E-18	1.0292E-16	-0.23638	hypo	sig	chr2_172739906
chr6	32052712	32052712	+	5.722E-18	1.0293E-16	-0.23402	hypo	sig	chr6_32052712
chr6	1.12E+08	112054121	+	5.723E-18	1.0294E-16	-0.2558	hypo	sig	chr6_112054121
chr9	1.33E+08	133114336	+	5.725E-18	1.0297E-16	0.264988	hyper	sig	chr9_133114336
chr10	1.01E+08	101227782	+	5.727E-18	1.03E-16	0.288757	hyper	sig	chr10_101227782
chr8	1931939	1931939	+	5.731E-18	1.0307E-16	-0.27809	hypo	sig	chr8_1931939
chr2	97724035	97724035	+	5.736E-18	1.0316E-16	0.264215	hyper	sig	chr2_97724035
chr16	2967588	2967588	+	5.739E-18	1.0321E-16	0.322435	hyper	sig	chr16_2967588
chr10	99527878	99527878	+	5.742E-18	1.0326E-16	0.256319	hyper	sig	chr10_99527878
chr10	1.01E+08	101236728	+	5.742E-18	1.0327E-16	0.253753	hyper	sig	chr10_101236728
chr1	32464810	32464810	+	5.746E-18	1.0333E-16	0.219048	hyper	sig	chr1_32464810
chr14	99820298	99820298	+	5.746E-18	1.0333E-16	-0.3032	hypo	sig	chr14_99820298
chr17	35488413	35488413	+	5.75E-18	1.0339E-16	0.28574	hyper	sig	chr17_35488413
chr5	19988257	19988257	+	5.752E-18	1.0343E-16	0.238068	hyper	sig	chr5_19988257
chr7	533496	533496	+	5.753E-18	1.0344E-16	-0.2753	hypo	sig	chr7_533496

chr16	86566666	86566666	+	5.754E-18	1.0346E-16	0.287096	hyper	sig	chr16_86566666
chr6	32169411	32169411	+	5.757E-18	1.0352E-16	0.213154	hyper	sig	chr6_32169411
chr9	92809805	92809805	+	5.758E-18	1.0353E-16	0.239742	hyper	sig	chr9_92809805
chr2	2.22E+08	222302829	+	5.763E-18	1.0362E-16	0.255966	hyper	sig	chr2_222302829
chr16	822520	822520	+	5.777E-18	1.0387E-16	-0.26096	hypo	sig	chr16_822520
chr20	63006168	63006168	+	5.779E-18	1.0389E-16	0.225201	hyper	sig	chr20_63006168
chr2	2.39E+08	239249999	+	5.79E-18	1.041E-16	0.323773	hyper	sig	chr2_239249999
chr1	1.47E+08	147073208	+	5.792E-18	1.0413E-16	0.248837	hyper	sig	chr1_147073208
chr16	88426347	88426347	+	5.797E-18	1.0421E-16	-0.22043	hypo	sig	chr16_88426347
chr6	33075295	33075295	+	5.797E-18	1.0422E-16	-0.22949	hypo	sig	chr6_33075295
chr5	1.29E+08	128537838	+	5.803E-18	1.0432E-16	0.297419	hyper	sig	chr5_128537838
chr12	1.15E+08	114680932	+	5.808E-18	1.044E-16	-0.26246	hypo	sig	chr12_114680932
chr14	23576498	23576498	+	5.809E-18	1.0443E-16	0.388649	hyper	sig	chr14_23576498
chr16	166804	166804	+	5.81E-18	1.0445E-16	0.22002	hyper	sig	chr16_166804
chr20	9838647	9838647	+	5.811E-18	1.0445E-16	0.309397	hyper	sig	chr20_9838647
chr6	1E+08	100465179	+	5.815E-18	1.0452E-16	0.329408	hyper	sig	chr6_100465179
chr7	229330	229330	+	5.815E-18	1.0452E-16	0.307582	hyper	sig	chr7_229330
chr17	44312194	44312194	+	5.817E-18	1.0455E-16	-0.2349	hypo	sig	chr17_44312194
chr3	1.57E+08	157130382	+	5.82E-18	1.0461E-16	-0.23856	hypo	sig	chr3_157130382
chr16	81693422	81693422	+	5.821E-18	1.0462E-16	0.236024	hyper	sig	chr16_81693422
chr11	31803612	31803612	+	5.825E-18	1.0468E-16	0.237991	hyper	sig	chr11_31803612
chr11	94401502	94401502	+	5.826E-18	1.047E-16	0.274767	hyper	sig	chr11_94401502
chr16	66948704	66948704	+	5.826E-18	1.047E-16	0.255777	hyper	sig	chr16_66948704
chr7	1.29E+08	129188937	+	5.83E-18	1.0477E-16	0.240078	hyper	sig	chr7_129188937
chr6	1.08E+08	108167605	+	5.842E-18	1.0498E-16	0.220539	hyper	sig	chr6_108167605
chr11	70826730	70826730	+	5.843E-18	1.0499E-16	0.282324	hyper	sig	chr11_70826730
chr3	44585006	44585006	+	5.843E-18	1.05E-16	0.227782	hyper	sig	chr3_44585006
chr5	1.46E+08	146345626	+	5.845E-18	1.0504E-16	0.32936	hyper	sig	chr5_146345626
chr7	27145142	27145142	+	5.852E-18	1.0516E-16	0.288325	hyper	sig	chr7_27145142
chr19	53058346	53058346	+	5.856E-18	1.0523E-16	0.344071	hyper	sig	chr19_53058346
chr5	77643781	77643781	+	5.87E-18	1.0547E-16	0.283602	hyper	sig	chr5_77643781
chr14	1.04E+08	103523031	+	5.87E-18	1.0547E-16	0.224231	hyper	sig	chr14_103523031
chr1	1.97E+08	197355658	+	5.875E-18	1.0556E-16	-0.26299	hypo	sig	chr1_197355658
chr12	1.32E+08	132367671	+	5.88E-18	1.0564E-16	-0.26829	hypo	sig	chr12_132367671
chr6	75205036	75205036	+	5.882E-18	1.0568E-16	0.204102	hyper	sig	chr6_75205036
chr19	696883	696883	+	5.886E-18	1.0576E-16	-0.27162	hypo	sig	chr19_696883
chr7	1.5E+08	150048019	+	5.887E-18	1.0577E-16	0.247622	hyper	sig	chr7_150048019
chr9	6644674	6644674	+	5.893E-18	1.0587E-16	0.229275	hyper	sig	chr9_6644674
chr12	1.23E+08	122893646	+	5.893E-18	1.0587E-16	-0.27126	hypo	sig	chr12_122893646
chr6	1.66E+08	165658580	+	5.895E-18	1.0591E-16	-0.28469	hypo	sig	chr6_165658580
chr19	58118538	58118538	+	5.899E-18	1.0597E-16	0.310504	hyper	sig	chr19_58118538
chr16	1266244	1266244	+	5.9E-18	1.0599E-16	-0.33002	hypo	sig	chr16_1266244
chr19	58367689	58367689	+	5.9E-18	1.0599E-16	0.253392	hyper	sig	chr19_58367689
chr6	30127798	30127798	+	5.901E-18	1.06E-16	0.286931	hyper	sig	chr6_30127798
chr5	1.5E+08	150122321	+	5.906E-18	1.0609E-16	-0.27601	hypo	sig	chr5_150122321
chr17	48554648	48554648	+	5.91E-18	1.0615E-16	0.286809	hyper	sig	chr17_48554648
chr1	50428215	50428215	+	5.91E-18	1.0615E-16	0.211786	hyper	sig	chr1_50428215
chr5	2197171	2197171	+	5.91E-18	1.0615E-16	0.274186	hyper	sig	chr5_2197171
chr8	1950185	1950185	+	5.912E-18	1.0618E-16	-0.26156	hypo	sig	chr8_1950185
chr11	44311570	44311570	+	5.912E-18	1.0618E-16	0.232882	hyper	sig	chr11_44311570
chr6	1.7E+08	170265985	+	5.915E-18	1.0622E-16	-0.23143	hypo	sig	chr6_170265985
chr5	1.43E+08	142686058	+	5.926E-18	1.0642E-16	0.268463	hyper	sig	chr5_142686058
chr19	52535847	52535847	+	5.926E-18	1.0643E-16	0.254334	hyper	sig	chr19_52535847
chr7	1235961	1235961	+	5.926E-18	1.0643E-16	0.355272	hyper	sig	chr7_1235961
chr9	1.33E+08	132581075	+	5.928E-18	1.0646E-16	0.33652	hyper	sig	chr9_132581075
chr5	1.41E+08	141355301	+	5.929E-18	1.0646E-16	0.254356	hyper	sig	chr5_141355301

chr4	1.86E+08	185797203	+	5.931E-18	1.065E-16	0.324843	hyper	sig	chr4_185797203
chr2	1.76E+08	176114584	+	5.934E-18	1.0656E-16	-0.27176	hypo	sig	chr2_176114584
chr19	48551703	48551703	+	5.939E-18	1.0665E-16	-0.26183	hypo	sig	chr19_48551703
chr14	55241155	55241155	+	5.943E-18	1.0672E-16	0.348737	hyper	sig	chr14_55241155
chr1	2.28E+08	228314980	+	5.958E-18	1.0698E-16	-0.26821	hypo	sig	chr1_228314980
chr6	37705574	37705574	+	5.961E-18	1.0702E-16	0.244866	hyper	sig	chr6_37705574
chr6	1.5E+08	150038236	+	5.963E-18	1.0706E-16	0.352614	hyper	sig	chr6_150038236
chr11	71615549	71615549	+	5.973E-18	1.0723E-16	-0.26856	hypo	sig	chr11_71615549
chr14	74501506	74501506	+	5.977E-18	1.0731E-16	0.265926	hyper	sig	chr14_74501506
chr13	33206146	33206146	+	5.978E-18	1.0732E-16	0.297043	hyper	sig	chr13_33206146
chr9	1.38E+08	138123048	+	5.984E-18	1.0742E-16	-0.24512	hypo	sig	chr9_138123048
chr5	1.79E+08	179060790	+	5.989E-18	1.0751E-16	0.23088	hyper	sig	chr5_179060790
chr10	1.33E+08	133087720	+	6.002E-18	1.0773E-16	0.205368	hyper	sig	chr10_133087720
chr17	8063836	8063836	+	6.002E-18	1.0773E-16	0.295955	hyper	sig	chr17_8063836
chr1	3651486	3651486	+	6.003E-18	1.0775E-16	0.267193	hyper	sig	chr1_3651486
chr3	1.49E+08	148697939	+	6.01E-18	1.0787E-16	0.211957	hyper	sig	chr3_148697939
chr6	6004760	6004760	+	6.009E-18	1.0787E-16	0.296334	hyper	sig	chr6_6004760
chr7	90321105	90321105	+	6.013E-18	1.0792E-16	0.214725	hyper	sig	chr7_90321105
chr8	41309620	41309620	+	6.013E-18	1.0792E-16	0.219416	hyper	sig	chr8_41309620
chr4	1.85E+08	185020465	+	6.018E-18	1.0801E-16	0.214868	hyper	sig	chr4_185020465
chr17	40772103	40772103	+	6.022E-18	1.0807E-16	-0.2788	hypo	sig	chr17_40772103
chr6	30260415	30260415	+	6.034E-18	1.0829E-16	0.277955	hyper	sig	chr6_30260415
chr1	17419854	17419854	+	6.036E-18	1.0832E-16	0.237535	hyper	sig	chr1_17419854
chr15	77897784	77897784	+	6.036E-18	1.0833E-16	-0.21178	hypo	sig	chr15_77897784
chr4	1.54E+08	153792410	+	6.048E-18	1.0853E-16	0.200737	hyper	sig	chr4_153792410
chr6	44274423	44274423	+	6.055E-18	1.0866E-16	-0.33201	hypo	sig	chr6_44274423
chr4	1056060	1056060	+	6.058E-18	1.087E-16	-0.25019	hypo	sig	chr4_1056060
chr8	8324938	8324938	+	6.069E-18	1.0889E-16	0.236482	hyper	sig	chr8_8324938
chr16	3029829	3029829	+	6.069E-18	1.0889E-16	0.298174	hyper	sig	chr16_3029829
chr1	16226892	16226892	+	6.07E-18	1.089E-16	0.295003	hyper	sig	chr1_16226892
chr1	3435638	3435638	+	6.074E-18	1.0898E-16	-0.27828	hypo	sig	chr1_3435638
chr10	69576595	69576595	+	6.076E-18	1.0901E-16	0.243735	hyper	sig	chr10_69576595
chr19	15457789	15457789	+	6.075E-18	1.0901E-16	0.28832	hyper	sig	chr19_15457789
chr6	1.66E+08	166168802	+	6.076E-18	1.0901E-16	0.200744	hyper	sig	chr6_166168802
chr16	68745042	68745042	+	6.077E-18	1.0903E-16	-0.31539	hypo	sig	chr16_68745042
chr9	1.37E+08	136850125	+	6.079E-18	1.0905E-16	0.26521	hyper	sig	chr9_136850125
chr4	3766929	3766929	+	6.083E-18	1.0912E-16	0.267053	hyper	sig	chr4_3766929
chr4	5890608	5890608	+	6.083E-18	1.0912E-16	0.293774	hyper	sig	chr4_5890608
chr5	10562980	10562980	+	6.087E-18	1.0919E-16	0.300545	hyper	sig	chr5_10562980
chr7	43112610	43112610	+	6.093E-18	1.0929E-16	0.3137	hyper	sig	chr7_43112610
chr11	64891588	64891588	+	6.094E-18	1.0932E-16	-0.25988	hypo	sig	chr11_64891588
chr14	36659344	36659344	+	6.105E-18	1.095E-16	0.278536	hyper	sig	chr14_36659344
chr5	31193778	31193778	+	6.108E-18	1.0955E-16	0.253765	hyper	sig	chr5_31193778
chr14	1.04E+08	104088458	+	6.108E-18	1.0956E-16	-0.27855	hypo	sig	chr14_104088458
chr15	26970877	26970877	+	6.11E-18	1.0959E-16	0.236361	hyper	sig	chr15_26970877
chr8	64382091	64382091	+	6.11E-18	1.0959E-16	0.276021	hyper	sig	chr8_64382091
chr3	1.13E+08	113441530	+	6.111E-18	1.0961E-16	0.292767	hyper	sig	chr3_113441530
chr12	53999608	53999608	+	6.112E-18	1.0961E-16	0.21141	hyper	sig	chr12_53999608
chr1	27555089	27555089	+	6.112E-18	1.0962E-16	0.239187	hyper	sig	chr1_27555089
chr5	1.41E+08	141374281	+	6.12E-18	1.0976E-16	0.24305	hyper	sig	chr5_141374281
chr8	1.44E+08	144336202	+	6.121E-18	1.0978E-16	0.32972	hyper	sig	chr8_144336202
chr19	34839257	34839257	+	6.122E-18	1.0979E-16	0.261958	hyper	sig	chr19_34839257
chr5	10562893	10562893	+	6.125E-18	1.0984E-16	0.282264	hyper	sig	chr5_10562893
chr7	22855176	22855176	+	6.127E-18	1.0988E-16	-0.21385	hypo	sig	chr7_22855176
chr4	1825529	1825529	+	6.129E-18	1.099E-16	0.223753	hyper	sig	chr4_1825529
chr20	63178580	63178580	+	6.13E-18	1.0991E-16	0.346053	hyper	sig	chr20_63178580

chr21	33024175	33024175	+	6.13E-18	1.0991E-16	0.328758	hyper	sig	chr21_33024175
chr5	1.79E+08	178502807	+	6.132E-18	1.0995E-16	-0.25077	hypo	sig	chr5_178502807
chr7	921685	921685	+	6.133E-18	1.0997E-16	-0.27868	hypo	sig	chr7_921685
chr20	52973373	52973373	+	6.135E-18	1.1001E-16	0.224562	hyper	sig	chr20_52973373
chr7	1520745	1520745	+	6.136E-18	1.1001E-16	-0.24218	hypo	sig	chr7_1520745
chr6	1.08E+08	108166621	+	6.14E-18	1.1008E-16	0.238607	hyper	sig	chr6_108166621
chr13	1.08E+08	108214645	+	6.14E-18	1.1009E-16	0.261172	hyper	sig	chr13_108214645
chr8	27987815	27987815	+	6.142E-18	1.1011E-16	-0.31451	hypo	sig	chr8_27987815
chr10	326928	326928	+	6.146E-18	1.1019E-16	0.209075	hyper	sig	chr10_326928
chr11	2903895	2903895	+	6.146E-18	1.1019E-16	-0.30485	hypo	sig	chr11_2903895
chr9	1.3E+08	129608941	+	6.147E-18	1.102E-16	-0.31812	hypo	sig	chr9_129608941
chr1	79006743	79006743	+	6.149E-18	1.1022E-16	0.300601	hyper	sig	chr1_79006743
chr9	1.34E+08	133918327	+	6.156E-18	1.1034E-16	0.27438	hyper	sig	chr9_133918327
chr11	2140257	2140257	+	6.156E-18	1.1035E-16	0.205318	hyper	sig	chr11_2140257
chr12	1.28E+08	128366194	+	6.161E-18	1.1043E-16	0.265668	hyper	sig	chr12_128366194
chr11	3232654	3232654	+	6.161E-18	1.1043E-16	0.265845	hyper	sig	chr11_3232654
chr5	51387605	51387605	+	6.164E-18	1.1049E-16	0.25448	hyper	sig	chr5_51387605
chr16	14303909	14303909	+	6.164E-18	1.1049E-16	0.259476	hyper	sig	chr16_14303909
chr14	74348466	74348466	+	6.174E-18	1.1065E-16	0.282144	hyper	sig	chr14_74348466
chr5	1.41E+08	141364767	+	6.175E-18	1.1067E-16	0.26152	hyper	sig	chr5_141364767
chr11	30584034	30584034	+	6.178E-18	1.1072E-16	0.311629	hyper	sig	chr11_30584034
chr2	2.19E+08	219434412	+	6.187E-18	1.1088E-16	0.249658	hyper	sig	chr2_219434412
chr6	1.17E+08	117481547	+	6.192E-18	1.1097E-16	-0.21711	hypo	sig	chr6_117481547
chr19	58306076	58306076	+	6.193E-18	1.1098E-16	-0.28463	hypo	sig	chr19_58306076
chr20	46246810	46246810	+	6.195E-18	1.1102E-16	0.29765	hyper	sig	chr20_46246810
chr5	1878527	1878527	+	6.21E-18	1.1128E-16	0.296759	hyper	sig	chr5_1878527
chr5	1.41E+08	141423083	+	6.213E-18	1.1133E-16	0.296101	hyper	sig	chr5_141423083
chr15	64681704	64681704	+	6.215E-18	1.1135E-16	0.232332	hyper	sig	chr15_64681704
chr2	1.09E+08	109031537	+	6.218E-18	1.1141E-16	0.228033	hyper	sig	chr2_109031537
chr3	1.5E+08	149657085	+	6.218E-18	1.1142E-16	0.208683	hyper	sig	chr3_149657085
chr14	1.01E+08	101232808	+	6.223E-18	1.115E-16	0.252906	hyper	sig	chr14_101232808
chr2	1.07E+08	106584624	+	6.223E-18	1.115E-16	0.342342	hyper	sig	chr2_106584624
chr18	8800225	8800225	+	6.225E-18	1.1153E-16	0.292324	hyper	sig	chr18_8800225
chr14	60485540	60485540	+	6.227E-18	1.1156E-16	0.25256	hyper	sig	chr14_60485540
chr13	26010141	26010141	+	6.234E-18	1.1168E-16	-0.22284	hypo	sig	chr13_26010141
chr4	1.74E+08	173530158	+	6.247E-18	1.1192E-16	0.201827	hyper	sig	chr4_173530158
chr8	11039783	11039783	+	6.25E-18	1.1196E-16	-0.27793	hypo	sig	chr8_11039783
chr12	53677888	53677888	+	6.25E-18	1.1197E-16	0.294873	hyper	sig	chr12_53677888
chr3	27720874	27720874	+	6.266E-18	1.1224E-16	0.242561	hyper	sig	chr3_27720874
chr5	1.41E+08	141224834	+	6.268E-18	1.1228E-16	0.30246	hyper	sig	chr5_141224834
chr5	14441070	14441070	+	6.273E-18	1.1236E-16	0.359516	hyper	sig	chr5_14441070
chr12	4910288	4910288	+	6.277E-18	1.1243E-16	0.245559	hyper	sig	chr12_4910288
chr19	51026672	51026672	+	6.279E-18	1.1246E-16	-0.29566	hypo	sig	chr19_51026672
chr6	98832390	98832390	+	6.279E-18	1.1247E-16	0.228503	hyper	sig	chr6_98832390
chr19	41090145	41090145	+	6.281E-18	1.125E-16	0.253796	hyper	sig	chr19_41090145
chr19	48480200	48480200	+	6.283E-18	1.1253E-16	0.293903	hyper	sig	chr19_48480200
chr20	21511105	21511105	+	6.284E-18	1.1254E-16	0.268351	hyper	sig	chr20_21511105
chr2	1.27E+08	127025044	+	6.285E-18	1.1256E-16	0.246408	hyper	sig	chr2_127025044
chr20	1001186	1001186	+	6.287E-18	1.1259E-16	-0.26892	hypo	sig	chr20_1001186
chr7	1.01E+08	100721055	+	6.288E-18	1.126E-16	0.271835	hyper	sig	chr7_100721055
chr5	45695325	45695325	+	6.29E-18	1.1263E-16	0.332163	hyper	sig	chr5_45695325
chr7	36154293	36154293	+	6.29E-18	1.1263E-16	0.258959	hyper	sig	chr7_36154293
chr3	1.3E+08	129548304	+	6.292E-18	1.1267E-16	-0.33958	hypo	sig	chr3_129548304
chr12	34385828	34385828	+	6.302E-18	1.1283E-16	-0.31202	hypo	sig	chr12_34385828
chr22	39994260	39994260	+	6.302E-18	1.1283E-16	-0.23196	hypo	sig	chr22_39994260
chr7	1.03E+08	103141658	+	6.304E-18	1.1287E-16	-0.36703	hypo	sig	chr7_103141658

chr9	13278453	13278453	+	6.311E-18	1.1299E-16	0.302642	hyper	sig	chr9_13278453
chr12	1.09E+08	108811711	+	6.313E-18	1.1302E-16	0.266974	hyper	sig	chr12_108811711
chr13	30898943	30898943	+	6.315E-18	1.1306E-16	-0.22574	hypo	sig	chr13_30898943
chr5	1.55E+08	154691516	+	6.316E-18	1.1306E-16	0.339728	hyper	sig	chr5_154691516
chr12	1.23E+08	123269557	+	6.327E-18	1.1326E-16	0.378284	hyper	sig	chr12_123269557
chr16	55502079	55502079	+	6.33E-18	1.1331E-16	-0.2535	hypo	sig	chr16_55502079
chr16	3183446	3183446	+	6.331E-18	1.1333E-16	0.228682	hyper	sig	chr16_3183446
chr6	1.5E+08	149748903	+	6.332E-18	1.1335E-16	-0.26025	hypo	sig	chr6_149748903
chr6	1.69E+08	168887162	+	6.343E-18	1.1354E-16	-0.28394	hypo	sig	chr6_168887162
chr12	1.07E+08	106581413	+	6.348E-18	1.1362E-16	0.220746	hyper	sig	chr12_106581413
chr6	1.05E+08	104940417	+	6.349E-18	1.1363E-16	0.337105	hyper	sig	chr6_104940417
chr10	1.33E+08	132848642	+	6.349E-18	1.1364E-16	-0.29045	hypo	sig	chr10_132848642
chr3	1.38E+08	137771843	+	6.356E-18	1.1375E-16	0.229577	hyper	sig	chr3_137771843
chr5	2727654	2727654	+	6.356E-18	1.1376E-16	0.226476	hyper	sig	chr5_2727654
chr19	52370280	52370280	+	6.359E-18	1.138E-16	0.248506	hyper	sig	chr19_52370280
chr17	4476285	4476285	+	6.361E-18	1.1384E-16	-0.25663	hypo	sig	chr17_4476285
chr8	64586236	64586236	+	6.361E-18	1.1384E-16	0.288429	hyper	sig	chr8_64586236
chr9	1.37E+08	136696304	+	6.364E-18	1.1389E-16	-0.24516	hypo	sig	chr9_136696304
chr1	80051378	80051378	+	6.365E-18	1.139E-16	-0.20303	hypo	sig	chr1_80051378
chr2	1.72E+08	172081448	+	6.366E-18	1.1391E-16	0.263855	hyper	sig	chr2_172081448
chr3	48593061	48593061	+	6.369E-18	1.1396E-16	-0.33221	hypo	sig	chr3_48593061
chr16	86513022	86513022	+	6.371E-18	1.14E-16	0.312086	hyper	sig	chr16_86513022
chr4	1.07E+08	107036295	+	6.372E-18	1.1401E-16	0.232487	hyper	sig	chr4_107036295
chr1	26360750	26360750	+	6.379E-18	1.1413E-16	0.265433	hyper	sig	chr1_26360750
chr17	81256619	81256619	+	6.38E-18	1.1416E-16	-0.21441	hypo	sig	chr17_81256619
chr8	57217962	57217962	+	6.384E-18	1.1423E-16	-0.23719	hypo	sig	chr8_57217962
chr3	1.72E+08	171900644	+	6.388E-18	1.1429E-16	-0.40493	hypo	sig	chr3_171900644
chr7	1645025	1645025	+	6.388E-18	1.143E-16	-0.37411	hypo	sig	chr7_1645025
chr9	1.35E+08	134501175	+	6.4E-18	1.145E-16	0.317257	hyper	sig	chr9_134501175
chr14	93788320	93788320	+	6.402E-18	1.1454E-16	0.291339	hyper	sig	chr14_93788320
chr4	6727197	6727197	+	6.403E-18	1.1455E-16	0.262501	hyper	sig	chr4_6727197
chr6	98847848	98847848	+	6.404E-18	1.1456E-16	0.21113	hyper	sig	chr6_98847848
chr8	1.38E+08	137755398	+	6.405E-18	1.1457E-16	-0.22145	hypo	sig	chr8_137755398
chr14	36667053	36667053	+	6.41E-18	1.1465E-16	0.255792	hyper	sig	chr14_36667053
chr6	99606816	99606816	+	6.414E-18	1.1474E-16	0.204863	hyper	sig	chr6_99606816
chr14	36660997	36660997	+	6.417E-18	1.1479E-16	0.202946	hyper	sig	chr14_36660997
chr12	4809998	4809998	+	6.428E-18	1.1498E-16	0.338304	hyper	sig	chr12_4809998
chr5	1.46E+08	146343118	+	6.434E-18	1.1508E-16	0.287931	hyper	sig	chr5_146343118
chr3	1.84E+08	184176990	+	6.436E-18	1.1511E-16	0.322854	hyper	sig	chr3_184176990
chr13	29435845	29435845	+	6.442E-18	1.1522E-16	0.253676	hyper	sig	chr13_29435845
chr1	18798775	18798775	+	6.445E-18	1.1527E-16	-0.25593	hypo	sig	chr1_18798775
chr2	38075499	38075499	+	6.445E-18	1.1527E-16	0.35838	hyper	sig	chr2_38075499
chr16	84819085	84819085	+	6.447E-18	1.1529E-16	-0.29558	hypo	sig	chr16_84819085
chr7	66199141	66199141	+	6.453E-18	1.1541E-16	-0.31667	hypo	sig	chr7_66199141
chr10	1.32E+08	132104867	+	6.455E-18	1.1543E-16	-0.24129	hypo	sig	chr10_132104867
chr1	23169521	23169521	+	6.459E-18	1.155E-16	-0.27187	hypo	sig	chr1_23169521
chr17	77052578	77052578	+	6.46E-18	1.1552E-16	-0.26791	hypo	sig	chr17_77052578
chr10	1.05E+08	104639749	+	6.462E-18	1.1555E-16	0.269682	hyper	sig	chr10_104639749
chr6	1.66E+08	165658542	+	6.463E-18	1.1557E-16	-0.29744	hypo	sig	chr6_165658542
chr1	1.47E+08	147073233	+	6.468E-18	1.1565E-16	0.274779	hyper	sig	chr1_147073233
chr7	30912094	30912094	+	6.471E-18	1.1571E-16	0.230641	hyper	sig	chr7_30912094
chr5	88685236	88685236	+	6.475E-18	1.1577E-16	0.208211	hyper	sig	chr5_88685236
chr14	99118311	99118311	+	6.478E-18	1.1583E-16	0.302785	hyper	sig	chr14_99118311
chr2	2.08E+08	208407161	+	6.484E-18	1.1593E-16	0.273108	hyper	sig	chr2_208407161
chr8	1.01E+08	101493156	+	6.485E-18	1.1595E-16	-0.30341	hypo	sig	chr8_101493156
chr19	30228695	30228695	+	6.486E-18	1.1596E-16	0.23233	hyper	sig	chr19_30228695

chr18	501249	501249	+	6.49E-18	1.1602E-16	0.216431	hyper	sig	chr18_501249
chr8	1.28E+08	128109276	+	6.491E-18	1.1604E-16	0.269322	hyper	sig	chr8_128109276
chr13	94711942	94711942	+	6.492E-18	1.1605E-16	0.218575	hyper	sig	chr13_94711942
chr3	1.13E+08	113441496	+	6.492E-18	1.1605E-16	0.295741	hyper	sig	chr3_113441496
chr1	48094144	48094144	+	6.497E-18	1.1615E-16	-0.22298	hypo	sig	chr1_48094144
chr3	1.79E+08	179450972	+	6.499E-18	1.1617E-16	0.265041	hyper	sig	chr3_179450972
chr5	5495249	5495249	+	6.501E-18	1.162E-16	0.266062	hyper	sig	chr5_5495249
chr7	201900	201900	+	6.502E-18	1.1621E-16	-0.23941	hypo	sig	chr7_201900
chr2	2.33E+08	232633969	+	6.503E-18	1.1623E-16	0.23699	hyper	sig	chr2_232633969
chr10	25934022	25934022	+	6.504E-18	1.1625E-16	0.271	hyper	sig	chr10_25934022
chr1	44261287	44261287	+	6.506E-18	1.1629E-16	-0.26373	hypo	sig	chr1_44261287
chr2	38074611	38074611	+	6.506E-18	1.1629E-16	0.300609	hyper	sig	chr2_38074611
chr5	6729524	6729524	+	6.509E-18	1.1634E-16	-0.273	hypo	sig	chr5_6729524
chr1	1.81E+08	181318669	+	6.512E-18	1.1638E-16	0.292846	hyper	sig	chr1_181318669
chr19	23071555	23071555	+	6.514E-18	1.1641E-16	0.281921	hyper	sig	chr19_23071555
chr7	1.55E+08	155374907	+	6.516E-18	1.1646E-16	0.250148	hyper	sig	chr7_155374907
chr13	99989254	99989254	+	6.519E-18	1.165E-16	0.333811	hyper	sig	chr13_99989254
chr14	1.06E+08	105643860	+	6.52E-18	1.1651E-16	-0.23857	hypo	sig	chr14_105643860
chr22	29582039	29582039	+	6.522E-18	1.1654E-16	-0.30767	hypo	sig	chr22_29582039
chr16	3055938	3055938	+	6.522E-18	1.1655E-16	0.23188	hyper	sig	chr16_3055938
chr1	32765781	32765781	+	6.523E-18	1.1657E-16	0.342927	hyper	sig	chr1_32765781
chr13	94711894	94711894	+	6.524E-18	1.1658E-16	0.232323	hyper	sig	chr13_94711894
chr9	1.35E+08	135130377	+	6.526E-18	1.1661E-16	-0.36507	hypo	sig	chr9_135130377
chr17	41524067	41524067	+	6.529E-18	1.1666E-16	-0.29273	hypo	sig	chr17_41524067
chr22	17370765	17370765	+	6.531E-18	1.167E-16	0.251222	hyper	sig	chr22_17370765
chr5	50969769	50969769	+	6.537E-18	1.1679E-16	0.201887	hyper	sig	chr5_50969769
chr2	64607296	64607296	+	6.546E-18	1.1696E-16	-0.24605	hypo	sig	chr2_64607296
chr12	4809734	4809734	+	6.548E-18	1.1699E-16	0.268302	hyper	sig	chr12_4809734
chr3	1.28E+08	128485204	+	6.548E-18	1.1699E-16	0.284289	hyper	sig	chr3_128485204
chr1	1.81E+08	181483691	+	6.556E-18	1.1713E-16	0.213567	hyper	sig	chr1_181483691
chr13	42574807	42574807	+	6.559E-18	1.1717E-16	0.226784	hyper	sig	chr13_42574807
chr19	372044	372044	+	6.561E-18	1.1721E-16	-0.23789	hypo	sig	chr19_372044
chr19	1873575	1873575	+	6.563E-18	1.1724E-16	0.242761	hyper	sig	chr19_1873575
chr9	96219151	96219151	+	6.565E-18	1.1727E-16	-0.37228	hypo	sig	chr9_96219151
chr2	868203	868203	+	6.567E-18	1.173E-16	0.267678	hyper	sig	chr2_868203
chr1	1.58E+08	158181501	+	6.571E-18	1.1737E-16	0.307276	hyper	sig	chr1_158181501
chr1	2.26E+08	225889892	+	6.576E-18	1.1746E-16	-0.32285	hypo	sig	chr1_225889892
chr8	39838250	39838250	+	6.589E-18	1.177E-16	-0.23275	hypo	sig	chr8_39838250
chr1	1.44E+08	143905335	+	6.59E-18	1.1771E-16	0.293595	hyper	sig	chr1_143905335
chr5	1.6E+08	159913423	+	6.592E-18	1.1773E-16	-0.26852	hypo	sig	chr5_159913423
chr17	68198837	68198837	+	6.594E-18	1.1778E-16	0.251572	hyper	sig	chr17_68198837
chr3	1.57E+08	157131056	+	6.596E-18	1.1781E-16	-0.2802	hypo	sig	chr3_157131056
chr15	74133183	74133183	+	6.597E-18	1.1783E-16	0.325056	hyper	sig	chr15_74133183
chr12	1.2E+08	119803440	+	6.598E-18	1.1784E-16	0.349788	hyper	sig	chr12_119803440
chr11	18209228	18209228	+	6.614E-18	1.1813E-16	0.32914	hyper	sig	chr11_18209228
chr16	1430029	1430029	+	6.618E-18	1.1818E-16	-0.35428	hypo	sig	chr16_1430029
chr20	46030332	46030332	+	6.627E-18	1.1835E-16	0.378967	hyper	sig	chr20_46030332
chr17	16379068	16379068	+	6.631E-18	1.1841E-16	-0.2321	hypo	sig	chr17_16379068
chr2	2.32E+08	231927142	+	6.637E-18	1.1852E-16	0.222592	hyper	sig	chr2_231927142
chr11	69891724	69891724	+	6.65E-18	1.1874E-16	-0.30259	hypo	sig	chr11_69891724
chr6	1.37E+08	137495370	+	6.653E-18	1.1879E-16	0.212227	hyper	sig	chr6_137495370
chr2	1.32E+08	131830024	+	6.654E-18	1.1881E-16	0.309507	hyper	sig	chr2_131830024
chr13	1.13E+08	112771936	+	6.657E-18	1.1886E-16	-0.32808	hypo	sig	chr13_112771936
chr20	46021760	46021760	+	6.661E-18	1.1894E-16	0.286326	hyper	sig	chr20_46021760
chr12	53936114	53936114	+	6.662E-18	1.1895E-16	0.328925	hyper	sig	chr12_53936114
chr4	985395	985395	+	6.663E-18	1.1896E-16	-0.21862	hypo	sig	chr4_985395

chr11	2869419	2869419	+	6.667E-18	1.1903E-16	0.257701	hyper	sig	chr11_2869419
chr22	49987735	49987735	+	6.668E-18	1.1905E-16	-0.27534	hypo	sig	chr22_49987735
chr17	17383617	17383617	+	6.669E-18	1.1907E-16	-0.27143	hypo	sig	chr17_17383617
chr5	1.69E+08	168529956	+	6.67E-18	1.1908E-16	0.287387	hyper	sig	chr5_168529956
chr16	6020254	6020254	+	6.671E-18	1.191E-16	0.271101	hyper	sig	chr16_6020254
chr9	1.33E+08	132586756	+	6.675E-18	1.1916E-16	0.240149	hyper	sig	chr9_132586756
chr10	1.16E+08	116272080	+	6.683E-18	1.1929E-16	0.265636	hyper	sig	chr10_116272080
chr7	1.57E+08	157004447	+	6.684E-18	1.1931E-16	0.259185	hyper	sig	chr7_157004447
chr16	29318265	29318265	+	6.687E-18	1.1937E-16	-0.23319	hypo	sig	chr16_29318265
chr7	4730512	4730512	+	6.687E-18	1.1937E-16	0.267433	hyper	sig	chr7_4730512
chr5	77973064	77973064	+	6.688E-18	1.1937E-16	0.213786	hyper	sig	chr5_77973064
chr3	46576793	46576793	+	6.689E-18	1.194E-16	0.340045	hyper	sig	chr3_46576793
chr12	4809972	4809972	+	6.693E-18	1.1947E-16	0.292534	hyper	sig	chr12_4809972
chr11	31803425	31803425	+	6.698E-18	1.1955E-16	0.217455	hyper	sig	chr11_31803425
chr7	27148401	27148401	+	6.702E-18	1.1962E-16	0.272665	hyper	sig	chr7_27148401
chr2	1.21E+08	120868223	+	6.706E-18	1.1969E-16	0.297586	hyper	sig	chr2_120868223
chr9	1.29E+08	129438745	+	6.708E-18	1.1972E-16	-0.27883	hypo	sig	chr9_129438745
chr4	8200804	8200804	+	6.712E-18	1.1978E-16	-0.28531	hypo	sig	chr4_8200804
chr1	90729920	90729920	+	6.713E-18	1.198E-16	0.246288	hyper	sig	chr1_90729920
chr13	24511374	24511374	+	6.713E-18	1.1981E-16	-0.30266	hypo	sig	chr13_24511374
chr5	1.72E+08	171668020	+	6.716E-18	1.1985E-16	0.298599	hyper	sig	chr5_171668020
chr16	85400062	85400062	+	6.719E-18	1.1991E-16	-0.25691	hypo	sig	chr16_85400062
chr6	50706800	50706800	+	6.733E-18	1.2014E-16	0.249822	hyper	sig	chr6_50706800
chr2	2.42E+08	241897519	+	6.734E-18	1.2016E-16	-0.21015	hypo	sig	chr2_241897519
chr8	1.43E+08	142563277	+	6.738E-18	1.2022E-16	-0.25437	hypo	sig	chr8_142563277
chr6	3234015	3234015	+	6.74E-18	1.2026E-16	-0.28052	hypo	sig	chr6_3234015
chr5	2739110	2739110	+	6.745E-18	1.2035E-16	0.295184	hyper	sig	chr5_2739110
chr16	85534617	85534617	+	6.749E-18	1.2042E-16	0.258682	hyper	sig	chr16_85534617
chr17	78232184	78232184	+	6.75E-18	1.2042E-16	0.242322	hyper	sig	chr17_78232184
chr12	53945053	53945053	+	6.752E-18	1.2046E-16	0.220542	hyper	sig	chr12_53945053
chr11	2211977	2211977	+	6.753E-18	1.2047E-16	-0.40989	hypo	sig	chr11_2211977
chr16	88235206	88235206	+	6.76E-18	1.206E-16	-0.2358	hypo	sig	chr16_88235206
chr4	41751901	41751901	+	6.76E-18	1.206E-16	0.259359	hyper	sig	chr4_41751901
chr4	1.88E+08	188105706	+	6.762E-18	1.2063E-16	-0.3071	hypo	sig	chr4_188105706
chr17	39607872	39607872	+	6.768E-18	1.2073E-16	0.300465	hyper	sig	chr17_39607872
chr6	27312243	27312243	+	6.768E-18	1.2074E-16	0.234486	hyper	sig	chr6_27312243
chr5	1.8E+08	179529873	+	6.773E-18	1.2083E-16	-0.23366	hypo	sig	chr5_179529873
chr13	52847578	52847578	+	6.776E-18	1.2087E-16	0.333544	hyper	sig	chr13_52847578
chr2	1903177	1903177	+	6.791E-18	1.2114E-16	-0.2638	hypo	sig	chr2_1903177
chr16	73062943	73062943	+	6.792E-18	1.2115E-16	-0.27727	hypo	sig	chr16_73062943
chr22	42697444	42697444	+	6.793E-18	1.2117E-16	0.28973	hyper	sig	chr22_42697444
chr1	46544446	46544446	+	6.798E-18	1.2124E-16	0.342838	hyper	sig	chr1_46544446
chr12	64826580	64826580	+	6.8E-18	1.2129E-16	0.207175	hyper	sig	chr12_64826580
chr11	58964028	58964028	+	6.803E-18	1.2133E-16	0.260126	hyper	sig	chr11_58964028
chr1	1.48E+08	148246619	+	6.806E-18	1.2138E-16	0.306723	hyper	sig	chr1_148246619
chr1	2.04E+08	204351043	+	6.809E-18	1.2144E-16	0.27185	hyper	sig	chr1_204351043
chr13	99997199	99997199	+	6.812E-18	1.2148E-16	0.275792	hyper	sig	chr13_99997199
chr4	2302022	2302022	+	6.815E-18	1.2154E-16	0.273351	hyper	sig	chr4_2302022
chr14	93788305	93788305	+	6.818E-18	1.2158E-16	0.250888	hyper	sig	chr14_93788305
chr19	56393429	56393429	+	6.82E-18	1.2162E-16	0.203397	hyper	sig	chr19_56393429
chr4	1.39E+08	139279618	+	6.821E-18	1.2164E-16	0.265378	hyper	sig	chr4_139279618
chr2	1.92E+08	192193473	+	6.826E-18	1.2171E-16	0.304576	hyper	sig	chr2_192193473
chr8	1.43E+08	142501017	+	6.829E-18	1.2176E-16	-0.23225	hypo	sig	chr8_142501017
chr10	69571780	69571780	+	6.832E-18	1.2181E-16	0.365827	hyper	sig	chr10_69571780
chr17	66676087	66676087	+	6.842E-18	1.22E-16	-0.21633	hypo	sig	chr17_66676087
chr12	139911	139911	+	6.844E-18	1.2204E-16	0.395733	hyper	sig	chr12_139911

chr1	1.65E+08	165120196	+	6.845E-18	1.2204E-16	-0.23395	hypo	sig	chr1_165120196
chr16	29664560	29664560	+	6.848E-18	1.2209E-16	-0.35197	hypo	sig	chr16_29664560
chr7	2149803	2149803	+	6.85E-18	1.2212E-16	-0.20468	hypo	sig	chr7_2149803
chr11	66559338	66559338	+	6.85E-18	1.2212E-16	0.252509	hyper	sig	chr11_66559338
chr15	26773727	26773727	+	6.852E-18	1.2215E-16	0.308933	hyper	sig	chr15_26773727
chr12	54031180	54031180	+	6.861E-18	1.2231E-16	0.274611	hyper	sig	chr12_54031180
chr13	24511356	24511356	+	6.861E-18	1.2231E-16	-0.2667	hypo	sig	chr13_24511356
chr12	34165592	34165592	+	6.862E-18	1.2234E-16	-0.25562	hypo	sig	chr12_34165592
chr8	29072938	29072938	+	6.864E-18	1.2236E-16	0.298899	hyper	sig	chr8_29072938
chr19	51328032	51328032	+	6.871E-18	1.2248E-16	0.295285	hyper	sig	chr19_51328032
chr19	6111594	6111594	+	6.873E-18	1.2251E-16	-0.28732	hypo	sig	chr19_6111594
chr4	1.25E+08	125316446	+	6.873E-18	1.2251E-16	0.232554	hyper	sig	chr4_125316446
chr6	1384545	1384545	+	6.873E-18	1.2251E-16	0.245643	hyper	sig	chr6_1384545
chr11	1924374	1924374	+	6.876E-18	1.2255E-16	-0.26752	hypo	sig	chr11_1924374
chr6	10882870	10882870	+	6.881E-18	1.2265E-16	0.260151	hyper	sig	chr6_10882870
chr22	38429957	38429957	+	6.882E-18	1.2266E-16	0.338904	hyper	sig	chr22_38429957
chr13	1.02E+08	102401299	+	6.887E-18	1.2274E-16	0.25154	hyper	sig	chr13_102401299
chr16	67649930	67649930	+	6.889E-18	1.2278E-16	0.266073	hyper	sig	chr16_67649930
chr17	82389073	82389073	+	6.899E-18	1.2295E-16	-0.27182	hypo	sig	chr17_82389073
chr20	59604481	59604481	+	6.899E-18	1.2295E-16	0.293032	hyper	sig	chr20_59604481
chr21	26845403	26845403	+	6.899E-18	1.2295E-16	0.216055	hyper	sig	chr21_26845403
chr5	1827583	1827583	+	6.901E-18	1.2298E-16	-0.2156	hypo	sig	chr5_1827583
chr1	46493224	46493224	+	6.902E-18	1.2299E-16	0.29766	hyper	sig	chr1_46493224
chr13	1.14E+08	114152965	+	6.908E-18	1.2309E-16	0.246867	hyper	sig	chr13_114152965
chr2	2.19E+08	219496950	+	6.91E-18	1.2313E-16	0.2378	hyper	sig	chr2_219496950
chr11	46295922	46295922	+	6.914E-18	1.232E-16	0.345192	hyper	sig	chr11_46295922
chr8	1.43E+08	143132190	+	6.915E-18	1.232E-16	-0.24919	hypo	sig	chr8_143132190
chr6	32097301	32097301	+	6.915E-18	1.232E-16	-0.28152	hypo	sig	chr6_32097301
chr7	43311848	43311848	+	6.915E-18	1.232E-16	-0.21432	hypo	sig	chr7_43311848
chr7	1.56E+08	156102904	+	6.915E-18	1.232E-16	-0.25635	hypo	sig	chr7_156102904
chr16	67161858	67161858	+	6.923E-18	1.2335E-16	0.243242	hyper	sig	chr16_67161858
chr5	50969860	50969860	+	6.926E-18	1.234E-16	0.266159	hyper	sig	chr5_50969860
chr6	27312269	27312269	+	6.93E-18	1.2346E-16	0.231193	hyper	sig	chr6_27312269
chr1	2.35E+08	234969922	+	6.936E-18	1.2356E-16	0.239138	hyper	sig	chr1_234969922
chr11	2709328	2709328	+	6.939E-18	1.2361E-16	0.338896	hyper	sig	chr11_2709328
chr20	21515430	21515430	+	6.949E-18	1.2379E-16	0.360785	hyper	sig	chr20_21515430
chr12	1.3E+08	130162715	+	6.959E-18	1.2397E-16	0.239826	hyper	sig	chr12_130162715
chr12	1.29E+08	128976491	+	6.96E-18	1.2398E-16	0.273946	hyper	sig	chr12_128976491
chr14	36517221	36517221	+	6.961E-18	1.2399E-16	0.337639	hyper	sig	chr14_36517221
chr6	98844433	98844433	+	6.964E-18	1.2406E-16	0.295671	hyper	sig	chr6_98844433
chr2	1480364	1480364	+	6.97E-18	1.2416E-16	-0.28809	hypo	sig	chr2_1480364
chr1	3140207	3140207	+	6.972E-18	1.2418E-16	0.291303	hyper	sig	chr1_3140207
chr5	88889930	88889930	+	6.975E-18	1.2423E-16	0.207483	hyper	sig	chr5_88889930
chr12	1.25E+08	124507905	+	6.977E-18	1.2428E-16	0.310082	hyper	sig	chr12_124507905
chr3	1.28E+08	128486365	+	6.978E-18	1.2428E-16	0.253684	hyper	sig	chr3_128486365
chr7	32318765	32318765	+	6.982E-18	1.2436E-16	0.350614	hyper	sig	chr7_32318765
chr11	72244596	72244596	+	6.985E-18	1.2441E-16	0.267263	hyper	sig	chr11_72244596
chr17	75060105	75060105	+	6.992E-18	1.2453E-16	0.213943	hyper	sig	chr17_75060105
chr14	36659502	36659502	+	6.993E-18	1.2454E-16	0.318582	hyper	sig	chr14_36659502
chr5	1.41E+08	141352280	+	6.993E-18	1.2454E-16	0.322974	hyper	sig	chr5_141352280
chr10	13891485	13891485	+	6.999E-18	1.2465E-16	0.277819	hyper	sig	chr10_13891485
chr7	1.57E+08	157434522	+	7E-18	1.2466E-16	-0.22516	hypo	sig	chr7_157434522
chr12	1.28E+08	128366176	+	7E-18	1.2466E-16	0.260105	hyper	sig	chr12_128366176
chr4	7591788	7591788	+	7.002E-18	1.2468E-16	-0.27841	hypo	sig	chr4_7591788
chr6	1.63E+08	163187380	+	7.004E-18	1.2472E-16	-0.20164	hypo	sig	chr6_163187380
chr8	1.05E+08	105319969	+	7.004E-18	1.2472E-16	0.228884	hyper	sig	chr8_105319969

chr2	66440858	66440858	+	7.005E-18	1.2473E-16	0.225031	hyper	sig	chr2_66440858
chr7	1.59E+08	158508474	+	7.012E-18	1.2485E-16	-0.28247	hypo	sig	chr7_158508474
chr4	1.55E+08	154740082	+	7.015E-18	1.2491E-16	-0.25169	hypo	sig	chr4_154740082
chr7	1.18E+08	118214635	+	7.018E-18	1.2495E-16	0.217375	hyper	sig	chr7_118214635
chr14	36659625	36659625	+	7.027E-18	1.251E-16	0.279939	hyper	sig	chr14_36659625
chr2	1.19E+08	118849877	+	7.033E-18	1.2521E-16	0.24254	hyper	sig	chr2_118849877
chr13	1.08E+08	107867774	+	7.037E-18	1.2529E-16	0.312829	hyper	sig	chr13_107867774
chr13	99958782	99958782	+	7.039E-18	1.2532E-16	0.296004	hyper	sig	chr13_99958782
chr8	37763761	37763761	+	7.049E-18	1.2549E-16	0.225162	hyper	sig	chr8_37763761
chr19	58033768	58033768	+	7.054E-18	1.2557E-16	0.315389	hyper	sig	chr19_58033768
chr17	64777449	64777449	+	7.056E-18	1.2561E-16	0.247459	hyper	sig	chr17_64777449
chr1	1.58E+08	158181658	+	7.06E-18	1.2568E-16	0.343839	hyper	sig	chr1_158181658
chr2	6771062	6771062	+	7.062E-18	1.257E-16	-0.30095	hypo	sig	chr2_6771062
chr12	1.08E+08	107775161	+	7.07E-18	1.2583E-16	0.244291	hyper	sig	chr12_107775161
chr12	80708732	80708732	+	7.073E-18	1.2589E-16	0.251341	hyper	sig	chr12_80708732
chr6	28773611	28773611	+	7.075E-18	1.2593E-16	0.27188	hyper	sig	chr6_28773611
chr21	36692005	36692005	+	7.081E-18	1.2603E-16	0.23558	hyper	sig	chr21_36692005
chr17	21508567	21508567	+	7.086E-18	1.2612E-16	-0.26199	hypo	sig	chr17_21508567
chr5	1.23E+08	123087766	+	7.097E-18	1.2631E-16	-0.25252	hypo	sig	chr5_123087766
chr10	1.3E+08	129968202	+	7.102E-18	1.2638E-16	0.279721	hyper	sig	chr10_129968202
chr10	37860439	37860439	+	7.11E-18	1.2653E-16	-0.28722	hypo	sig	chr10_37860439
chr7	1.29E+08	129131615	+	7.116E-18	1.2663E-16	-0.23561	hypo	sig	chr7_129131615
chr9	37027261	37027261	+	7.12E-18	1.267E-16	0.331908	hyper	sig	chr9_37027261
chr7	97026176	97026176	+	7.131E-18	1.2689E-16	0.225033	hyper	sig	chr7_97026176
chr21	33026188	33026188	+	7.134E-18	1.2694E-16	0.326673	hyper	sig	chr21_33026188
chr11	1.29E+08	129372692	+	7.135E-18	1.2695E-16	0.314588	hyper	sig	chr11_129372692
chr5	42924214	42924214	+	7.137E-18	1.2698E-16	0.29102	hyper	sig	chr5_42924214
chr2	2.32E+08	232351453	+	7.145E-18	1.2712E-16	0.208525	hyper	sig	chr2_232351453
chr20	21519439	21519439	+	7.145E-18	1.2712E-16	0.239823	hyper	sig	chr20_21519439
chr11	67417125	67417125	+	7.15E-18	1.2721E-16	-0.29482	hypo	sig	chr11_67417125
chr19	542026	542026	+	7.154E-18	1.2727E-16	0.307758	hyper	sig	chr19_542026
chr1	1.81E+08	181318894	+	7.155E-18	1.273E-16	0.366836	hyper	sig	chr1_181318894
chr11	638450	638450	+	7.156E-18	1.2731E-16	0.220084	hyper	sig	chr11_638450
chr11	1.25E+08	124865230	+	7.164E-18	1.2744E-16	0.279583	hyper	sig	chr11_124865230
chr7	30912236	30912236	+	7.164E-18	1.2745E-16	0.240008	hyper	sig	chr7_30912236
chr7	1.43E+08	143384909	+	7.165E-18	1.2746E-16	0.283591	hyper	sig	chr7_143384909
chr4	4862383	4862383	+	7.167E-18	1.2749E-16	0.335891	hyper	sig	chr4_4862383
chr7	1.57E+08	157004273	+	7.17E-18	1.2753E-16	0.204725	hyper	sig	chr7_157004273
chr6	10389856	10389856	+	7.176E-18	1.2765E-16	0.359624	hyper	sig	chr6_10389856
chr2	98346692	98346692	+	7.177E-18	1.2766E-16	0.316589	hyper	sig	chr2_98346692
chr16	10180581	10180581	+	7.179E-18	1.2769E-16	0.30315	hyper	sig	chr16_10180581
chr5	1.71E+08	171310351	+	7.183E-18	1.2776E-16	0.248099	hyper	sig	chr5_171310351
chr11	69013811	69013811	+	7.188E-18	1.2784E-16	0.251686	hyper	sig	chr11_69013811
chr16	1482410	1482410	+	7.193E-18	1.2793E-16	-0.34008	hypo	sig	chr16_1482410
chr5	79069832	79069832	+	7.196E-18	1.2798E-16	0.315815	hyper	sig	chr5_79069832
chr13	27926663	27926663	+	7.2E-18	1.2804E-16	0.491552	hyper	sig	chr13_27926663
chr4	1.76E+08	176001579	+	7.2E-18	1.2805E-16	0.282682	hyper	sig	chr4_176001579
chr7	27203797	27203797	+	7.204E-18	1.2812E-16	-0.28321	hypo	sig	chr7_27203797
chr7	74253118	74253118	+	7.206E-18	1.2814E-16	-0.23403	hypo	sig	chr7_74253118
chr6	44560989	44560989	+	7.212E-18	1.2824E-16	0.279376	hyper	sig	chr6_44560989
chr13	1.13E+08	113130131	+	7.214E-18	1.2827E-16	0.313265	hyper	sig	chr13_113130131
chr2	63055709	63055709	+	7.215E-18	1.2829E-16	0.269715	hyper	sig	chr2_63055709
chr6	1.6E+08	160259819	+	7.215E-18	1.2829E-16	0.293722	hyper	sig	chr6_160259819
chr13	1.13E+08	113403353	+	7.217E-18	1.2833E-16	-0.21365	hypo	sig	chr13_113403353
chr17	81461068	81461068	+	7.23E-18	1.2855E-16	-0.28955	hypo	sig	chr17_81461068
chr13	99972029	99972029	+	7.235E-18	1.2864E-16	0.301938	hyper	sig	chr13_99972029

chr7	91270389	91270389	+	7.236E-18	1.2866E-16	0.217873	hyper	sig	chr7_91270389
chr13	1.1E+08	110391397	+	7.238E-18	1.2868E-16	0.208421	hyper	sig	chr13_110391397
chr10	1.22E+08	122149374	+	7.245E-18	1.288E-16	0.284348	hyper	sig	chr10_122149374
chr6	10881763	10881763	+	7.246E-18	1.2882E-16	0.253214	hyper	sig	chr6_10881763
chr1	1.47E+08	147073227	+	7.251E-18	1.289E-16	0.276301	hyper	sig	chr1_147073227
chr6	1.61E+08	161140063	+	7.263E-18	1.2911E-16	-0.25472	hypo	sig	chr6_161140063
chr2	1.27E+08	126781476	+	7.266E-18	1.2916E-16	-0.29964	hypo	sig	chr2_126781476
chr10	13892438	13892438	+	7.266E-18	1.2916E-16	0.301346	hyper	sig	chr10_13892438
chr3	1.95E+08	195035609	+	7.266E-18	1.2916E-16	0.342369	hyper	sig	chr3_195035609
chr12	1.33E+08	132768787	+	7.267E-18	1.2917E-16	0.296315	hyper	sig	chr12_132768787
chr22	45922974	45922974	+	7.274E-18	1.293E-16	-0.26478	hypo	sig	chr22_45922974
chr2	1.74E+08	174328988	+	7.291E-18	1.2959E-16	0.344766	hyper	sig	chr2_174328988
chr13	1.14E+08	114019587	+	7.292E-18	1.2961E-16	-0.22869	hypo	sig	chr13_114019587
chr11	31987305	31987305	+	7.297E-18	1.2969E-16	0.333829	hyper	sig	chr11_31987305
chr6	31728482	31728482	+	7.304E-18	1.2981E-16	0.26876	hyper	sig	chr6_31728482
chr13	78595699	78595699	+	7.309E-18	1.2989E-16	0.303258	hyper	sig	chr13_78595699
chr3	1.28E+08	128481880	+	7.309E-18	1.299E-16	0.282213	hyper	sig	chr3_128481880
chr13	78586876	78586876	+	7.314E-18	1.2999E-16	0.24378	hyper	sig	chr13_78586876
chr12	1.28E+08	128268605	+	7.324E-18	1.3016E-16	0.228293	hyper	sig	chr12_128268605
chr11	1.34E+08	134070625	+	7.327E-18	1.302E-16	-0.25745	hypo	sig	chr11_134070625
chr6	77462974	77462974	+	7.327E-18	1.302E-16	0.284555	hyper	sig	chr6_77462974
chr2	2.07E+08	206642369	+	7.328E-18	1.3021E-16	0.241571	hyper	sig	chr2_206642369
chr1	1.81E+08	181318597	+	7.335E-18	1.3034E-16	0.233676	hyper	sig	chr1_181318597
chr10	1.17E+08	117133092	+	7.345E-18	1.305E-16	0.220626	hyper	sig	chr10_117133092
chr5	79690029	79690029	+	7.348E-18	1.3056E-16	0.378328	hyper	sig	chr5_79690029
chr11	1165638	1165638	+	7.369E-18	1.3094E-16	-0.23708	hypo	sig	chr11_1165638
chr3	1.47E+08	147405642	+	7.377E-18	1.3106E-16	0.358571	hyper	sig	chr3_147405642
chr16	62036037	62036037	+	7.379E-18	1.3111E-16	0.267	hyper	sig	chr16_62036037
chr2	1.76E+08	176189609	+	7.38E-18	1.3111E-16	0.256139	hyper	sig	chr2_176189609
chr8	1.41E+08	141235006	+	7.38E-18	1.3111E-16	-0.33394	hypo	sig	chr8_141235006
chr16	8869933	8869933	+	7.382E-18	1.3114E-16	-0.23149	hypo	sig	chr16_8869933
chr5	77639149	77639149	+	7.389E-18	1.3127E-16	0.292955	hyper	sig	chr5_77639149
chr12	6620426	6620426	+	7.4E-18	1.3146E-16	0.311949	hyper	sig	chr12_6620426
chr17	56597838	56597838	+	7.402E-18	1.315E-16	0.214687	hyper	sig	chr17_56597838
chr7	1.43E+08	142796567	+	7.405E-18	1.3154E-16	0.323804	hyper	sig	chr7_142796567
chr10	1.23E+08	123143314	+	7.405E-18	1.3155E-16	0.280376	hyper	sig	chr10_123143314
chr10	27746228	27746228	+	7.409E-18	1.316E-16	0.221397	hyper	sig	chr10_27746228
chr8	42499409	42499409	+	7.409E-18	1.316E-16	0.318102	hyper	sig	chr8_42499409
chr11	1.29E+08	128687053	+	7.414E-18	1.3169E-16	0.229287	hyper	sig	chr11_128687053
chr17	21452678	21452678	+	7.416E-18	1.3172E-16	0.274225	hyper	sig	chr17_21452678
chr7	181981	181981	+	7.425E-18	1.3187E-16	-0.24799	hypo	sig	chr7_181981
chr5	1.41E+08	141421246	+	7.426E-18	1.319E-16	0.300134	hyper	sig	chr5_141421246
chr16	84178346	84178346	+	7.433E-18	1.3201E-16	0.229871	hyper	sig	chr16_84178346
chr3	63278466	63278466	+	7.441E-18	1.3214E-16	0.244343	hyper	sig	chr3_63278466
chr4	1.11E+08	110633832	+	7.444E-18	1.3218E-16	0.315912	hyper	sig	chr4_110633832
chr13	1.11E+08	111405509	+	7.448E-18	1.3226E-16	-0.27625	hypo	sig	chr13_111405509
chr1	1448711	1448711	+	7.451E-18	1.323E-16	-0.24457	hypo	sig	chr1_1448711
chr1	19273663	19273663	+	7.452E-18	1.3232E-16	-0.25612	hypo	sig	chr1_19273663
chr5	1.41E+08	141360285	+	7.46E-18	1.3245E-16	0.285567	hyper	sig	chr5_141360285
chr9	34457539	34457539	+	7.461E-18	1.3248E-16	0.289235	hyper	sig	chr9_34457539
chr2	1.53E+08	153478078	+	7.467E-18	1.3258E-16	0.295192	hyper	sig	chr2_153478078
chr5	1.75E+08	175060005	+	7.469E-18	1.326E-16	0.232495	hyper	sig	chr5_175060005
chr11	1.2E+08	119725394	+	7.471E-18	1.3264E-16	-0.20322	hypo	sig	chr11_119725394
chr5	73299914	73299914	+	7.474E-18	1.3269E-16	0.257192	hyper	sig	chr5_73299914
chr16	29318308	29318308	+	7.475E-18	1.3271E-16	-0.2746	hypo	sig	chr16_29318308
chr1	2.02E+08	201696294	+	7.482E-18	1.3283E-16	0.26287	hyper	sig	chr1_201696294

chr3	35640135	35640135	+	7.489E-18	1.3295E-16	0.257191	hyper	sig	chr3_35640135
chr4	1339186	1339186	+	7.489E-18	1.3295E-16	-0.21797	hypo	sig	chr4_1339186
chr13	52599388	52599388	+	7.491E-18	1.3298E-16	0.253965	hyper	sig	chr13_52599388
chr10	1.29E+08	129046705	+	7.492E-18	1.3299E-16	-0.29116	hypo	sig	chr10_129046705
chr20	62706997	62706997	+	7.494E-18	1.3303E-16	-0.31403	hypo	sig	chr20_62706997
chr7	1.39E+08	138664029	+	7.496E-18	1.3305E-16	0.288454	hyper	sig	chr7_138664029
chr17	82389052	82389052	+	7.503E-18	1.3318E-16	-0.21752	hypo	sig	chr17_82389052
chr10	1.04E+08	103661767	+	7.511E-18	1.3331E-16	0.307816	hyper	sig	chr10_103661767
chr17	30559044	30559044	+	7.517E-18	1.3341E-16	-0.26317	hypo	sig	chr17_30559044
chr17	28717675	28717675	+	7.522E-18	1.3349E-16	0.358629	hyper	sig	chr17_28717675
chr7	1E+08	100177802	+	7.524E-18	1.3354E-16	0.241127	hyper	sig	chr7_100177802
chr2	2.38E+08	238494608	+	7.528E-18	1.3359E-16	-0.28206	hypo	sig	chr2_238494608
chr13	87674395	87674395	+	7.533E-18	1.3368E-16	0.279442	hyper	sig	chr13_87674395
chr3	2099340	2099340	+	7.54E-18	1.3381E-16	0.239289	hyper	sig	chr3_2099340
chr13	1.14E+08	114151666	+	7.551E-18	1.3398E-16	-0.371	hypo	sig	chr13_114151666
chr12	46831500	46831500	+	7.551E-18	1.3399E-16	0.201306	hyper	sig	chr12_46831500
chr1	98044718	98044718	+	7.551E-18	1.3399E-16	0.282727	hyper	sig	chr1_98044718
chr2	1.54E+08	153871412	+	7.56E-18	1.3414E-16	0.31512	hyper	sig	chr2_153871412
chr12	1.15E+08	114687141	+	7.567E-18	1.3426E-16	0.268164	hyper	sig	chr12_114687141
chr11	637057	637057	+	7.57E-18	1.3432E-16	0.222796	hyper	sig	chr11_637057
chr19	4769081	4769081	+	7.573E-18	1.3436E-16	0.274737	hyper	sig	chr19_4769081
chr1	42684278	42684278	+	7.578E-18	1.3444E-16	-0.27615	hypo	sig	chr1_42684278
chr4	1.68E+08	168496954	+	7.583E-18	1.3453E-16	0.266767	hyper	sig	chr4_168496954
chr6	30071250	30071250	+	7.584E-18	1.3455E-16	0.335182	hyper	sig	chr6_30071250
chr16	3183086	3183086	+	7.587E-18	1.3459E-16	0.230429	hyper	sig	chr16_3183086
chr13	1.13E+08	113401984	+	7.61E-18	1.35E-16	-0.2375	hypo	sig	chr13_113401984
chr2	1.92E+08	192193453	+	7.61E-18	1.35E-16	0.327973	hyper	sig	chr2_192193453
chr1	1.48E+08	148329011	+	7.614E-18	1.3507E-16	0.269855	hyper	sig	chr1_148329011
chr1	4656253	4656253	+	7.616E-18	1.3511E-16	0.243109	hyper	sig	chr1_4656253
chr15	70063325	70063325	+	7.618E-18	1.3514E-16	0.267393	hyper	sig	chr15_70063325
chr2	1138261	1138261	+	7.625E-18	1.3526E-16	-0.23454	hypo	sig	chr2_1138261
chr1	3457230	3457230	+	7.626E-18	1.3526E-16	-0.23821	hypo	sig	chr1_3457230
chr19	310497	310497	+	7.642E-18	1.3554E-16	0.288881	hyper	sig	chr19_310497
chr10	75408387	75408387	+	7.643E-18	1.3556E-16	0.308865	hyper	sig	chr10_75408387
chr8	49910692	49910692	+	7.643E-18	1.3556E-16	0.240347	hyper	sig	chr8_49910692
chr9	1.26E+08	126482524	+	7.659E-18	1.3583E-16	0.319476	hyper	sig	chr9_126482524
chr6	36979501	36979501	+	7.664E-18	1.3592E-16	0.269608	hyper	sig	chr6_36979501
chr10	1.01E+08	101236753	+	7.668E-18	1.3599E-16	0.266978	hyper	sig	chr10_101236753
chr20	33060277	33060277	+	7.674E-18	1.361E-16	-0.33818	hypo	sig	chr20_33060277
chr17	41098175	41098175	+	7.678E-18	1.3617E-16	-0.26639	hypo	sig	chr17_41098175
chr19	53037592	53037592	+	7.682E-18	1.3622E-16	0.301622	hyper	sig	chr19_53037592
chr20	56625341	56625341	+	7.683E-18	1.3624E-16	0.245364	hyper	sig	chr20_56625341
chr2	2.01E+08	200586239	+	7.687E-18	1.3631E-16	0.280727	hyper	sig	chr2_200586239
chr13	1.14E+08	113670232	+	7.705E-18	1.3662E-16	-0.26802	hypo	sig	chr13_113670232
chr3	1.47E+08	147411291	+	7.712E-18	1.3674E-16	0.333261	hyper	sig	chr3_147411291
chr5	32713406	32713406	+	7.714E-18	1.3677E-16	0.329861	hyper	sig	chr5_32713406
chr3	1.58E+08	158103814	+	7.717E-18	1.3682E-16	0.232021	hyper	sig	chr3_158103814
chr16	3690964	3690964	+	7.718E-18	1.3684E-16	0.254639	hyper	sig	chr16_3690964
chr3	14305805	14305805	+	7.723E-18	1.3692E-16	-0.22896	hypo	sig	chr3_14305805
chr5	14463955	14463955	+	7.727E-18	1.37E-16	-0.35291	hypo	sig	chr5_14463955
chr16	88744752	88744752	+	7.733E-18	1.3709E-16	0.277975	hyper	sig	chr16_88744752
chr2	1.19E+08	118808719	+	7.736E-18	1.3715E-16	0.20223	hyper	sig	chr2_118808719
chr19	36797751	36797751	+	7.746E-18	1.3732E-16	0.249309	hyper	sig	chr19_36797751
chr10	5524784	5524784	+	7.751E-18	1.374E-16	-0.23475	hypo	sig	chr10_5524784
chr17	7447005	7447005	+	7.751E-18	1.3741E-16	0.362756	hyper	sig	chr17_7447005
chr15	84080700	84080700	+	7.752E-18	1.3741E-16	0.273764	hyper	sig	chr15_84080700

chr17	81734609	81734609	+	7.755E-18	1.3747E-16	-0.31879	hypo	sig	chr17_81734609
chr13	1.13E+08	112771983	+	7.758E-18	1.3752E-16	-0.25922	hypo	sig	chr13_112771983
chr4	92304414	92304414	+	7.759E-18	1.3753E-16	0.229463	hyper	sig	chr4_92304414
chr5	44389770	44389770	+	7.76E-18	1.3754E-16	0.237333	hyper	sig	chr5_44389770
chr6	31815295	31815295	+	7.76E-18	1.3754E-16	0.222222	hyper	sig	chr6_31815295
chr10	27745159	27745159	+	7.762E-18	1.3757E-16	0.289427	hyper	sig	chr10_27745159
chr12	1.22E+08	122060236	+	7.774E-18	1.3779E-16	0.318918	hyper	sig	chr12_122060236
chr10	1.16E+08	116274390	+	7.775E-18	1.3779E-16	0.281317	hyper	sig	chr10_116274390
chr2	1.61E+08	161426637	+	7.783E-18	1.3794E-16	0.288614	hyper	sig	chr2_161426637
chr4	1.77E+08	176792182	+	7.784E-18	1.3795E-16	0.275032	hyper	sig	chr4_176792182
chr7	27206130	27206130	+	7.785E-18	1.3796E-16	-0.2333	hypo	sig	chr7_27206130
chr20	64048345	64048345	+	7.793E-18	1.381E-16	0.234586	hyper	sig	chr20_64048345
chr15	89406375	89406375	+	7.797E-18	1.3816E-16	0.202844	hyper	sig	chr15_89406375
chr16	86579015	86579015	+	7.797E-18	1.3816E-16	0.305204	hyper	sig	chr16_86579015
chr5	1100383	1100383	+	7.798E-18	1.3819E-16	0.322386	hyper	sig	chr5_1100383
chr17	4008121	4008121	+	7.81E-18	1.3839E-16	0.222452	hyper	sig	chr17_4008121
chr17	39607862	39607862	+	7.812E-18	1.3842E-16	0.329187	hyper	sig	chr17_39607862
chr1	98046319	98046319	+	7.823E-18	1.3862E-16	0.208105	hyper	sig	chr1_98046319
chr16	1093664	1093664	+	7.831E-18	1.3875E-16	-0.29637	hypo	sig	chr16_1093664
chr3	62371080	62371080	+	7.832E-18	1.3876E-16	0.315642	hyper	sig	chr3_62371080
chr11	15938964	15938964	+	7.836E-18	1.3884E-16	-0.20226	hypo	sig	chr11_15938964
chr15	45378332	45378332	+	7.84E-18	1.389E-16	0.204218	hyper	sig	chr15_45378332
chr2	2.08E+08	208407181	+	7.843E-18	1.3895E-16	0.275941	hyper	sig	chr2_208407181
chr10	633406	633406	+	7.848E-18	1.3904E-16	0.236948	hyper	sig	chr10_633406
chr1	98045420	98045420	+	7.853E-18	1.3911E-16	0.333362	hyper	sig	chr1_98045420
chr17	79465421	79465421	+	7.858E-18	1.3921E-16	-0.30492	hypo	sig	chr17_79465421
chr7	1.01E+08	101299837	+	7.859E-18	1.3921E-16	0.341658	hyper	sig	chr7_101299837
chr7	5349168	5349168	+	7.86E-18	1.3923E-16	0.284195	hyper	sig	chr7_5349168
chr7	85381436	85381436	+	7.86E-18	1.3923E-16	-0.21792	hypo	sig	chr7_85381436
chr3	1.82E+08	181726649	+	7.862E-18	1.3927E-16	0.21889	hyper	sig	chr3_181726649
chr1	34793251	34793251	+	7.865E-18	1.3931E-16	0.257594	hyper	sig	chr1_34793251
chr13	1.14E+08	114004718	+	7.865E-18	1.3931E-16	-0.3043	hypo	sig	chr13_114004718
chr2	15002761	15002761	+	7.865E-18	1.3931E-16	-0.24051	hypo	sig	chr2_15002761
chr5	32709094	32709094	+	7.871E-18	1.3941E-16	-0.25725	hypo	sig	chr5_32709094
chr4	1577771	1577771	+	7.877E-18	1.3951E-16	0.358663	hyper	sig	chr4_1577771
chr15	28107277	28107277	+	7.881E-18	1.3957E-16	0.248724	hyper	sig	chr15_28107277
chr3	1.39E+08	138950125	+	7.881E-18	1.3957E-16	0.20668	hyper	sig	chr3_138950125
chr5	88672845	88672845	+	7.881E-18	1.3958E-16	0.238987	hyper	sig	chr5_88672845
chr4	1.67E+08	167233624	+	7.892E-18	1.3976E-16	0.280541	hyper	sig	chr4_167233624
chr7	1.29E+08	128876867	+	7.892E-18	1.3976E-16	-0.33104	hypo	sig	chr7_128876867
chr5	88689931	88689931	+	7.894E-18	1.3978E-16	0.318543	hyper	sig	chr5_88689931
chr1	1.57E+08	156642644	+	7.901E-18	1.399E-16	0.296058	hyper	sig	chr1_156642644
chr13	1.14E+08	114121658	+	7.901E-18	1.399E-16	-0.27217	hypo	sig	chr13_114121658
chr1	2270557	2270557	+	7.909E-18	1.4004E-16	0.348226	hyper	sig	chr1_2270557
chr17	77453769	77453769	+	7.91E-18	1.4006E-16	-0.32141	hypo	sig	chr17_77453769
chr19	15548900	15548900	+	7.918E-18	1.4019E-16	-0.25882	hypo	sig	chr19_15548900
chr13	1.13E+08	112985417	+	7.918E-18	1.402E-16	-0.27779	hypo	sig	chr13_112985417
chr16	87604853	87604853	+	7.919E-18	1.402E-16	-0.2982	hypo	sig	chr16_87604853
chr16	1255442	1255442	+	7.923E-18	1.4026E-16	-0.31243	hypo	sig	chr16_1255442
chr16	4319495	4319495	+	7.923E-18	1.4026E-16	-0.20141	hypo	sig	chr16_4319495
chr1	2.21E+08	220892049	+	7.923E-18	1.4027E-16	-0.31121	hypo	sig	chr1_220892049
chr12	40692573	40692573	+	7.926E-18	1.4031E-16	0.268908	hyper	sig	chr12_40692573
chr16	86515277	86515277	+	7.928E-18	1.4035E-16	0.290177	hyper	sig	chr16_86515277
chr8	1.45E+08	144714109	+	7.937E-18	1.405E-16	0.312521	hyper	sig	chr8_144714109
chr9	1.21E+08	120878196	+	7.946E-18	1.4066E-16	-0.24484	hypo	sig	chr9_120878196
chr22	48581630	48581630	+	7.951E-18	1.4074E-16	-0.25606	hypo	sig	chr22_48581630

chr4	1.11E+08	110630748	+	7.953E-18	1.4078E-16	0.283448	hyper	sig	chr4_110630748
chr20	17525532	17525532	+	7.954E-18	1.4079E-16	-0.27561	hypo	sig	chr20_17525532
chr2	1.28E+08	127682673	+	7.956E-18	1.4082E-16	0.272213	hyper	sig	chr2_127682673
chr10	26696861	26696861	+	7.96E-18	1.4088E-16	-0.24562	hypo	sig	chr10_26696861
chr12	1.3E+08	130106824	+	7.969E-18	1.4104E-16	-0.26596	hypo	sig	chr12_130106824
chr5	10562903	10562903	+	7.969E-18	1.4104E-16	0.30814	hyper	sig	chr5_10562903
chr15	23416837	23416837	+	7.97E-18	1.4107E-16	-0.29366	hypo	sig	chr15_23416837
chr7	1.18E+08	118214622	+	7.976E-18	1.4116E-16	0.218968	hyper	sig	chr7_118214622
chr20	17315792	17315792	+	7.976E-18	1.4117E-16	0.255905	hyper	sig	chr20_17315792
chr1	3480561	3480561	+	7.978E-18	1.4119E-16	-0.26677	hypo	sig	chr1_3480561
chr20	64106547	64106547	+	7.98E-18	1.4122E-16	-0.25123	hypo	sig	chr20_64106547
chr19	31354062	31354062	+	7.98E-18	1.4123E-16	-0.27006	hypo	sig	chr19_31354062
chr1	44614294	44614294	+	7.983E-18	1.4127E-16	-0.3055	hypo	sig	chr1_44614294
chr11	9760279	9760279	+	7.984E-18	1.413E-16	0.31797	hyper	sig	chr11_9760279
chr1	2.08E+08	207910775	+	7.99E-18	1.4139E-16	0.28905	hyper	sig	chr1_207910775
chr15	74825333	74825333	+	7.993E-18	1.4143E-16	-0.24974	hypo	sig	chr15_74825333
chr6	1.33E+08	133242440	+	7.997E-18	1.415E-16	0.205072	hyper	sig	chr6_133242440
chr12	85273654	85273654	+	8E-18	1.4156E-16	0.261514	hyper	sig	chr12_85273654
chr15	89360400	89360400	+	8.001E-18	1.4157E-16	0.303438	hyper	sig	chr15_89360400
chr1	1.57E+08	156845092	+	8.01E-18	1.4172E-16	0.296708	hyper	sig	chr1_156845092
chr3	1.94E+08	194132194	+	8.02E-18	1.419E-16	-0.24582	hypo	sig	chr3_194132194
chr7	27158567	27158567	+	8.025E-18	1.4199E-16	-0.25263	hypo	sig	chr7_27158567
chr13	1.13E+08	113405782	+	8.026E-18	1.4199E-16	-0.40978	hypo	sig	chr13_113405782
chr7	23247863	23247863	+	8.027E-18	1.4201E-16	0.232719	hyper	sig	chr7_23247863
chr20	63978074	63978074	+	8.028E-18	1.4202E-16	-0.34242	hypo	sig	chr20_63978074
chr3	38136040	38136040	+	8.028E-18	1.4202E-16	-0.30492	hypo	sig	chr3_38136040
chr4	1.39E+08	139279612	+	8.061E-18	1.4261E-16	0.24247	hyper	sig	chr4_139279612
chr1	2.28E+08	228465428	+	8.063E-18	1.4264E-16	0.286451	hyper	sig	chr1_228465428
chr12	24903097	24903097	+	8.064E-18	1.4266E-16	0.2255	hyper	sig	chr12_24903097
chr7	76980563	76980563	+	8.068E-18	1.4273E-16	-0.23371	hypo	sig	chr7_76980563
chr21	26571411	26571411	+	8.07E-18	1.4274E-16	-0.2811	hypo	sig	chr21_26571411
chr12	1.24E+08	124411528	+	8.072E-18	1.4278E-16	0.296528	hyper	sig	chr12_124411528
chr2	1.05E+08	105399716	+	8.073E-18	1.428E-16	-0.21622	hypo	sig	chr2_105399716
chr5	1.41E+08	141403339	+	8.075E-18	1.4282E-16	0.261009	hyper	sig	chr5_141403339
chr5	1.41E+08	141382835	+	8.077E-18	1.4287E-16	0.315165	hyper	sig	chr5_141382835
chr16	88101233	88101233	+	8.086E-18	1.4301E-16	0.250242	hyper	sig	chr16_88101233
chr1	3892904	3892904	+	8.088E-18	1.4305E-16	0.232811	hyper	sig	chr1_3892904
chr7	1.58E+08	157685818	+	8.095E-18	1.4317E-16	0.387821	hyper	sig	chr7_157685818
chr16	21556720	21556720	+	8.096E-18	1.4319E-16	-0.24472	hypo	sig	chr16_21556720
chr16	85256521	85256521	+	8.107E-18	1.4337E-16	-0.29844	hypo	sig	chr16_85256521
chr19	48480408	48480408	+	8.108E-18	1.4339E-16	0.276118	hyper	sig	chr19_48480408
chr13	21676878	21676878	+	8.109E-18	1.434E-16	-0.32537	hypo	sig	chr13_21676878
chr3	1.28E+08	128486372	+	8.11E-18	1.4341E-16	0.271495	hyper	sig	chr3_128486372
chr5	1.77E+08	177366963	+	8.114E-18	1.4349E-16	0.299487	hyper	sig	chr5_177366963
chr8	1.08E+08	108082331	+	8.118E-18	1.4355E-16	0.260275	hyper	sig	chr8_108082331
chr19	33622551	33622551	+	8.125E-18	1.4368E-16	0.274172	hyper	sig	chr19_33622551
chr14	23576512	23576512	+	8.127E-18	1.437E-16	0.407561	hyper	sig	chr14_23576512
chr6	4482932	4482932	+	8.127E-18	1.4371E-16	-0.3546	hypo	sig	chr6_4482932
chr19	37251899	37251899	+	8.128E-18	1.4372E-16	0.249343	hyper	sig	chr19_37251899
chr6	1.69E+08	169159480	+	8.129E-18	1.4373E-16	-0.21517	hypo	sig	chr6_169159480
chr7	1.59E+08	159066404	+	8.134E-18	1.4381E-16	-0.22916	hypo	sig	chr7_159066404
chr7	1.59E+08	158570187	+	8.14E-18	1.4393E-16	0.267819	hyper	sig	chr7_158570187
chr3	1.28E+08	128496735	+	8.141E-18	1.4393E-16	0.302177	hyper	sig	chr3_128496735
chr2	1563317	1563317	+	8.146E-18	1.4402E-16	-0.23998	hypo	sig	chr2_1563317
chr11	92226015	92226015	+	8.147E-18	1.4403E-16	0.274434	hyper	sig	chr11_92226015
chr8	41876129	41876129	+	8.148E-18	1.4405E-16	0.212845	hyper	sig	chr8_41876129

chr19	58581325	58581325	+	8.149E-18	1.4406E-16	0.237558	hyper	sig	chr19_58581325
chr2	43296848	43296848	+	8.15E-18	1.4408E-16	0.201962	hyper	sig	chr2_43296848
chr19	57934916	57934916	+	8.165E-18	1.4434E-16	0.33368	hyper	sig	chr19_57934916
chr5	1.76E+08	175682132	+	8.175E-18	1.4451E-16	0.224049	hyper	sig	chr5_175682132
chr7	99551553	99551553	+	8.175E-18	1.4451E-16	0.218386	hyper	sig	chr7_99551553
chr5	79690386	79690386	+	8.177E-18	1.4455E-16	0.358211	hyper	sig	chr5_79690386
chr11	46361591	46361591	+	8.183E-18	1.4465E-16	0.248881	hyper	sig	chr11_46361591
chr17	46841826	46841826	+	8.185E-18	1.4468E-16	0.227919	hyper	sig	chr17_46841826
chr7	1027729	1027729	+	8.188E-18	1.4472E-16	0.240171	hyper	sig	chr7_1027729
chr7	1.58E+08	157875243	+	8.188E-18	1.4472E-16	0.232242	hyper	sig	chr7_157875243
chr16	30090359	30090359	+	8.199E-18	1.4491E-16	-0.21351	hypo	sig	chr16_30090359
chr9	1.32E+08	132239765	+	8.211E-18	1.4513E-16	-0.27705	hypo	sig	chr9_132239765
chr9	1.37E+08	136844503	+	8.215E-18	1.4518E-16	0.270562	hyper	sig	chr9_136844503
chr6	30952346	30952346	+	8.219E-18	1.4525E-16	-0.23986	hypo	sig	chr6_30952346
chr1	50421157	50421157	+	8.225E-18	1.4535E-16	0.286268	hyper	sig	chr1_50421157
chr6	1.37E+08	136923543	+	8.23E-18	1.4545E-16	0.338367	hyper	sig	chr6_136923543
chr20	40690715	40690715	+	8.231E-18	1.4546E-16	0.301885	hyper	sig	chr20_40690715
chr15	70448100	70448100	+	8.232E-18	1.4546E-16	-0.25331	hypo	sig	chr15_70448100
chr10	70283754	70283754	+	8.24E-18	1.456E-16	0.324643	hyper	sig	chr10_70283754
chr3	1.54E+08	154122565	+	8.241E-18	1.4562E-16	0.278162	hyper	sig	chr3_154122565
chr13	1.14E+08	114015452	+	8.244E-18	1.4567E-16	-0.30306	hypo	sig	chr13_114015452
chr11	20596662	20596662	+	8.245E-18	1.4569E-16	0.245436	hyper	sig	chr11_20596662
chr22	46085115	46085115	+	8.255E-18	1.4585E-16	-0.34869	hypo	sig	chr22_46085115
chr16	85644808	85644808	+	8.256E-18	1.4587E-16	-0.2388	hypo	sig	chr16_85644808
chr2	1.05E+08	104842687	+	8.271E-18	1.4614E-16	0.36307	hyper	sig	chr2_104842687
chr8	1.41E+08	141388254	+	8.274E-18	1.4618E-16	-0.3407	hypo	sig	chr8_141388254
chr19	5036846	5036846	+	8.276E-18	1.4621E-16	0.242294	hyper	sig	chr19_5036846
chr6	30127929	30127929	+	8.277E-18	1.4623E-16	0.308519	hyper	sig	chr6_30127929
chr4	1.9E+08	190017916	+	8.279E-18	1.4626E-16	0.256764	hyper	sig	chr4_190017916
chr11	65584770	65584770	+	8.282E-18	1.4631E-16	0.280553	hyper	sig	chr11_65584770
chr12	1.23E+08	123272412	+	8.285E-18	1.4636E-16	0.265575	hyper	sig	chr12_123272412
chr20	56625449	56625449	+	8.287E-18	1.4639E-16	0.310384	hyper	sig	chr20_56625449
chr7	45921970	45921970	+	8.288E-18	1.4641E-16	0.256175	hyper	sig	chr7_45921970
chr5	777297	777297	+	8.288E-18	1.4641E-16	0.296653	hyper	sig	chr5_777297
chr1	16645557	16645557	+	8.29E-18	1.4644E-16	-0.25264	hypo	sig	chr1_16645557
chr16	828162	828162	+	8.298E-18	1.4658E-16	-0.21965	hypo	sig	chr16_828162
chr8	1.18E+08	118074516	+	8.3E-18	1.466E-16	0.285143	hyper	sig	chr8_118074516
chr19	13877678	13877678	+	8.302E-18	1.4663E-16	-0.24712	hypo	sig	chr19_13877678
chr7	697131	697131	+	8.302E-18	1.4664E-16	0.266034	hyper	sig	chr7_697131
chr3	68007793	68007793	+	8.303E-18	1.4666E-16	0.353868	hyper	sig	chr3_68007793
chr3	1.91E+08	190878055	+	8.306E-18	1.467E-16	-0.22539	hypo	sig	chr3_190878055
chr14	76826282	76826282	+	8.312E-18	1.4679E-16	-0.23675	hypo	sig	chr14_76826282
chr2	9820454	9820454	+	8.312E-18	1.4679E-16	-0.28178	hypo	sig	chr2_9820454
chr6	1.68E+08	168409064	+	8.313E-18	1.468E-16	-0.22275	hypo	sig	chr6_168409064
chr7	1.43E+08	142867074	+	8.321E-18	1.4694E-16	-0.35697	hypo	sig	chr7_142867074
chr6	41638174	41638174	+	8.321E-18	1.4694E-16	0.30739	hyper	sig	chr6_41638174
chr14	24171910	24171910	+	8.322E-18	1.4695E-16	0.243503	hyper	sig	chr14_24171910
chr7	20776783	20776783	+	8.322E-18	1.4695E-16	0.319715	hyper	sig	chr7_20776783
chr5	1.41E+08	141421681	+	8.323E-18	1.4697E-16	0.248577	hyper	sig	chr5_141421681
chr2	95026238	95026238	+	8.329E-18	1.4707E-16	0.268612	hyper	sig	chr2_95026238
chr19	58440757	58440757	+	8.331E-18	1.471E-16	0.27	hyper	sig	chr19_58440757
chr12	1.2E+08	119804319	+	8.332E-18	1.4712E-16	0.273007	hyper	sig	chr12_119804319
chr19	43624127	43624127	+	8.333E-18	1.4712E-16	-0.32646	hypo	sig	chr19_43624127
chr16	1961209	1961209	+	8.341E-18	1.4726E-16	-0.28765	hypo	sig	chr16_1961209
chr5	77639163	77639163	+	8.345E-18	1.4733E-16	0.312438	hyper	sig	chr5_77639163
chr7	1.01E+08	101362731	+	8.351E-18	1.4743E-16	0.321549	hyper	sig	chr7_101362731

chr15	31216737	31216737	+	8.357E-18	1.4754E-16	-0.27066	hypo	sig	chr15_31216737
chr3	1.92E+08	192411487	+	8.359E-18	1.4756E-16	-0.30037	hypo	sig	chr3_192411487
chr2	23524105	23524105	+	8.362E-18	1.4761E-16	0.26507	hyper	sig	chr2_23524105
chr17	76537200	76537200	+	8.362E-18	1.4761E-16	0.329081	hyper	sig	chr17_76537200
chr2	30230935	30230935	+	8.366E-18	1.4768E-16	0.413036	hyper	sig	chr2_30230935
chr7	1.41E+08	141073121	+	8.37E-18	1.4775E-16	0.209657	hyper	sig	chr7_141073121
chr14	1.05E+08	105313459	+	8.371E-18	1.4776E-16	0.231378	hyper	sig	chr14_105313459
chr19	52370260	52370260	+	8.374E-18	1.4781E-16	0.211269	hyper	sig	chr19_52370260
chr2	88067499	88067499	+	8.388E-18	1.4806E-16	0.204175	hyper	sig	chr2_88067499
chr9	1.28E+08	127866326	+	8.39E-18	1.4808E-16	0.244089	hyper	sig	chr9_127866326
chr19	35994376	35994376	+	8.397E-18	1.4821E-16	0.298215	hyper	sig	chr19_35994376
chr4	80265641	80265641	+	8.4E-18	1.4825E-16	0.230739	hyper	sig	chr4_80265641
chr20	21701389	21701389	+	8.404E-18	1.4832E-16	0.332859	hyper	sig	chr20_21701389
chr7	4141111	4141111	+	8.408E-18	1.4839E-16	-0.27808	hypo	sig	chr7_4141111
chr13	18594889	18594889	+	8.41E-18	1.4843E-16	-0.26491	hypo	sig	chr13_18594889
chr2	484814	484814	+	8.413E-18	1.4846E-16	-0.23207	hypo	sig	chr2_484814
chr14	52069718	52069718	+	8.416E-18	1.4851E-16	0.378148	hyper	sig	chr14_52069718
chr11	1.25E+08	124865237	+	8.424E-18	1.4866E-16	0.317652	hyper	sig	chr11_124865237
chr2	1.15E+08	115162597	+	8.428E-18	1.4872E-16	0.346012	hyper	sig	chr2_115162597
chr5	8838563	8838563	+	8.429E-18	1.4874E-16	-0.27412	hypo	sig	chr5_8838563
chr2	1.27E+08	126771051	+	8.435E-18	1.4883E-16	-0.23949	hypo	sig	chr2_126771051
chr6	1.05E+08	104940394	+	8.449E-18	1.4908E-16	0.318088	hyper	sig	chr6_104940394
chr10	1.29E+08	129411214	+	8.453E-18	1.4915E-16	-0.25556	hypo	sig	chr10_129411214
chr11	2869522	2869522	+	8.456E-18	1.492E-16	0.280519	hyper	sig	chr11_2869522
chr20	30300337	30300337	+	8.457E-18	1.4921E-16	0.224747	hyper	sig	chr20_30300337
chr19	54164563	54164563	+	8.463E-18	1.4932E-16	0.270843	hyper	sig	chr19_54164563
chr5	1967135	1967135	+	8.469E-18	1.4941E-16	-0.25678	hypo	sig	chr5_1967135
chr6	1.08E+08	108165194	+	8.469E-18	1.4942E-16	0.334283	hyper	sig	chr6_108165194
chr1	75128079	75128079	+	8.475E-18	1.4951E-16	0.251586	hyper	sig	chr1_75128079
chr7	54542143	54542143	+	8.49E-18	1.4978E-16	0.306753	hyper	sig	chr7_54542143
chr5	73299944	73299944	+	8.499E-18	1.4994E-16	0.286289	hyper	sig	chr5_73299944
chr9	34729470	34729470	+	8.505E-18	1.5003E-16	-0.24587	hypo	sig	chr9_34729470
chr13	1.14E+08	114110749	+	8.506E-18	1.5006E-16	-0.32511	hypo	sig	chr13_114110749
chr18	8708558	8708558	+	8.507E-18	1.5006E-16	0.292168	hyper	sig	chr18_8708558
chr19	1009733	1009733	+	8.507E-18	1.5006E-16	0.209109	hyper	sig	chr19_1009733
chr13	1.11E+08	111328379	+	8.515E-18	1.5021E-16	-0.40745	hypo	sig	chr13_111328379
chr11	1.3E+08	129974042	+	8.523E-18	1.5033E-16	0.24881	hyper	sig	chr11_129974042
chr10	1.22E+08	122468962	+	8.526E-18	1.5039E-16	-0.27325	hypo	sig	chr10_122468962
chr2	2.41E+08	240519469	+	8.527E-18	1.5039E-16	0.266406	hyper	sig	chr2_240519469
chr22	50041661	50041661	+	8.528E-18	1.5042E-16	-0.38747	hypo	sig	chr22_50041661
chr3	1.6E+08	160039025	+	8.54E-18	1.5062E-16	0.285491	hyper	sig	chr3_160039025
chr2	63055878	63055878	+	8.548E-18	1.5076E-16	0.240686	hyper	sig	chr2_63055878
chr11	76382012	76382012	+	8.548E-18	1.5076E-16	0.240654	hyper	sig	chr11_76382012
chr8	38770636	38770636	+	8.556E-18	1.5089E-16	0.268253	hyper	sig	chr8_38770636
chr16	86516744	86516744	+	8.557E-18	1.5091E-16	0.229847	hyper	sig	chr16_86516744
chr13	1.13E+08	112985404	+	8.559E-18	1.5094E-16	-0.27206	hypo	sig	chr13_112985404
chr2	2.42E+08	241688481	+	8.559E-18	1.5095E-16	-0.2515	hypo	sig	chr2_241688481
chr12	1.07E+08	106585266	+	8.563E-18	1.5101E-16	0.221043	hyper	sig	chr12_106585266
chr5	1.73E+08	173228974	+	8.564E-18	1.5101E-16	0.224	hyper	sig	chr5_173228974
chr11	1.29E+08	128521522	+	8.577E-18	1.5125E-16	0.257488	hyper	sig	chr11_128521522
chr13	1.12E+08	111520093	+	8.577E-18	1.5125E-16	-0.28089	hypo	sig	chr13_111520093
chr1	1.21E+08	121117018	+	8.579E-18	1.5127E-16	0.324689	hyper	sig	chr1_121117018
chr8	70070632	70070632	+	8.581E-18	1.513E-16	0.31135	hyper	sig	chr8_70070632
chr3	1.42E+08	141776631	+	8.586E-18	1.5139E-16	-0.25204	hypo	sig	chr3_141776631
chr17	27293651	27293651	+	8.6E-18	1.5163E-16	-0.26423	hypo	sig	chr17_27293651
chr10	665640	665640	+	8.604E-18	1.517E-16	0.24082	hyper	sig	chr10_665640

chr7	1.22E+08	122316591	+	8.613E-18	1.5184E-16	0.233864	hyper	sig	chr7_122316591
chr4	1.47E+08	146640712	+	8.614E-18	1.5186E-16	0.27435	hyper	sig	chr4_146640712
chr9	6644649	6644649	+	8.615E-18	1.5188E-16	0.225481	hyper	sig	chr9_6644649
chr11	6655284	6655284	+	8.616E-18	1.519E-16	0.21225	hyper	sig	chr11_6655284
chr17	299709	299709	+	8.617E-18	1.5191E-16	0.222339	hyper	sig	chr17_299709
chr7	1.29E+08	128869006	+	8.626E-18	1.5206E-16	-0.2679	hypo	sig	chr7_128869006
chr10	7411500	7411500	+	8.628E-18	1.5209E-16	0.226509	hyper	sig	chr10_7411500
chr2	27082690	27082690	+	8.629E-18	1.521E-16	0.278151	hyper	sig	chr2_27082690
chr12	1.24E+08	123909357	+	8.631E-18	1.5214E-16	-0.27666	hypo	sig	chr12_123909357
chr5	1.73E+08	173244001	+	8.638E-18	1.5226E-16	0.34892	hyper	sig	chr5_173244001
chr3	1.25E+08	125142067	+	8.64E-18	1.5229E-16	0.251305	hyper	sig	chr3_125142067
chr5	1.67E+08	166975448	+	8.645E-18	1.5237E-16	-0.23504	hypo	sig	chr5_166975448
chr7	57776575	57776575	+	8.648E-18	1.5243E-16	-0.25464	hypo	sig	chr7_57776575
chr7	1242446	1242446	+	8.664E-18	1.5271E-16	0.332467	hyper	sig	chr7_1242446
chr3	1.34E+08	133674812	+	8.673E-18	1.5286E-16	0.276863	hyper	sig	chr3_133674812
chr19	13013382	13013382	+	8.68E-18	1.5297E-16	-0.22135	hypo	sig	chr19_13013382
chr19	35225037	35225037	+	8.683E-18	1.5304E-16	0.265261	hyper	sig	chr19_35225037
chr5	1.79E+08	179060803	+	8.687E-18	1.531E-16	0.241751	hyper	sig	chr5_179060803
chr15	66780020	66780020	+	8.691E-18	1.5316E-16	-0.25894	hypo	sig	chr15_66780020
chr2	1742481	1742481	+	8.691E-18	1.5316E-16	0.24659	hyper	sig	chr2_1742481
chr2	1.6E+08	160396912	+	8.693E-18	1.532E-16	-0.34361	hypo	sig	chr2_160396912
chr6	10410257	10410257	+	8.703E-18	1.5337E-16	0.378809	hyper	sig	chr6_10410257
chr19	35669821	35669821	+	8.707E-18	1.5343E-16	-0.28573	hypo	sig	chr19_35669821
chr10	1.32E+08	132229945	+	8.711E-18	1.535E-16	-0.27314	hypo	sig	chr10_132229945
chr1	10668178	10668178	+	8.716E-18	1.5359E-16	0.341908	hyper	sig	chr1_10668178
chr14	1.04E+08	104357822	+	8.719E-18	1.5363E-16	-0.29519	hypo	sig	chr14_104357822
chr5	1.2E+08	120464531	+	8.72E-18	1.5365E-16	0.219524	hyper	sig	chr5_120464531
chr5	80858	80858	+	8.721E-18	1.5366E-16	-0.34613	hypo	sig	chr5_80858
chr1	6146227	6146227	+	8.73E-18	1.5382E-16	-0.38281	hypo	sig	chr1_6146227
chr15	78280476	78280476	+	8.732E-18	1.5385E-16	0.212198	hyper	sig	chr15_78280476
chr22	20205037	20205037	+	8.738E-18	1.5395E-16	0.32686	hyper	sig	chr22_20205037
chr13	1.14E+08	114015263	+	8.743E-18	1.5404E-16	-0.36472	hypo	sig	chr13_114015263
chr7	97017767	97017767	+	8.744E-18	1.5405E-16	0.344121	hyper	sig	chr7_97017767
chr1	66752170	66752170	+	8.748E-18	1.5411E-16	0.242125	hyper	sig	chr1_66752170
chr16	86495365	86495365	+	8.751E-18	1.5416E-16	0.280293	hyper	sig	chr16_86495365
chr20	60087459	60087459	+	8.751E-18	1.5416E-16	0.364476	hyper	sig	chr20_60087459
chr9	1.24E+08	124343485	+	8.751E-18	1.5416E-16	0.300177	hyper	sig	chr9_124343485
chr12	1.03E+08	103496047	+	8.757E-18	1.5425E-16	0.230166	hyper	sig	chr12_103496047
chr7	27247669	27247669	+	8.763E-18	1.5436E-16	-0.31376	hypo	sig	chr7_27247669
chr17	897009	897009	+	8.765E-18	1.5439E-16	0.292632	hyper	sig	chr17_897009
chr19	4011492	4011492	+	8.776E-18	1.5457E-16	0.238895	hyper	sig	chr19_4011492
chr16	57803076	57803076	+	8.777E-18	1.5459E-16	0.334522	hyper	sig	chr16_57803076
chr14	41605440	41605440	+	8.78E-18	1.5463E-16	0.250665	hyper	sig	chr14_41605440
chr7	1.51E+08	150956127	+	8.78E-18	1.5463E-16	0.288985	hyper	sig	chr7_150956127
chr5	83473094	83473094	+	8.783E-18	1.5469E-16	0.211468	hyper	sig	chr5_83473094
chr1	32424652	32424652	+	8.792E-18	1.5485E-16	-0.27313	hypo	sig	chr1_32424652
chr8	52414122	52414122	+	8.793E-18	1.5486E-16	0.294786	hyper	sig	chr8_52414122
chr12	53973497	53973497	+	8.794E-18	1.5486E-16	0.341867	hyper	sig	chr12_53973497
chr17	50575747	50575747	+	8.794E-18	1.5486E-16	-0.32094	hypo	sig	chr17_50575747
chr7	4245686	4245686	+	8.796E-18	1.549E-16	-0.35455	hypo	sig	chr7_4245686
chr19	53058188	53058188	+	8.796E-18	1.549E-16	0.317391	hyper	sig	chr19_53058188
chr1	3293829	3293829	+	8.799E-18	1.5494E-16	-0.26643	hypo	sig	chr1_3293829
chr5	535974	535974	+	8.83E-18	1.5549E-16	-0.31918	hypo	sig	chr5_535974
chr2	33727442	33727442	+	8.834E-18	1.5555E-16	-0.28444	hypo	sig	chr2_33727442
chr7	94394130	94394130	+	8.835E-18	1.5556E-16	0.312298	hyper	sig	chr7_94394130
chr2	63056869	63056869	+	8.835E-18	1.5556E-16	0.241576	hyper	sig	chr2_63056869

chr12	1.24E+08	124454995	+	8.838E-18	1.5561E-16	0.316649	hyper	sig	chr12_124454995
chr9	1.37E+08	137159596	+	8.841E-18	1.5567E-16	-0.23806	hypo	sig	chr9_137159596
chr2	86789092	86789092	+	8.843E-18	1.5569E-16	0.267108	hyper	sig	chr2_86789092
chr16	27401856	27401856	+	8.845E-18	1.5572E-16	-0.24073	hypo	sig	chr16_27401856
chr4	3385585	3385585	+	8.849E-18	1.5579E-16	-0.26557	hypo	sig	chr4_3385585
chr11	1.12E+08	111513107	+	8.855E-18	1.559E-16	0.245238	hyper	sig	chr11_111513107
chr16	29318259	29318259	+	8.856E-18	1.5591E-16	-0.21127	hypo	sig	chr16_29318259
chr2	85765555	85765555	+	8.857E-18	1.5591E-16	-0.25134	hypo	sig	chr2_85765555
chr5	11384570	11384570	+	8.859E-18	1.5596E-16	0.296553	hyper	sig	chr5_11384570
chr1	31690066	31690066	+	8.865E-18	1.5606E-16	-0.28479	hypo	sig	chr1_31690066
chr19	19629082	19629082	+	8.867E-18	1.5609E-16	-0.38643	hypo	sig	chr19_19629082
chr9	1.34E+08	133712652	+	8.87E-18	1.5614E-16	-0.33001	hypo	sig	chr9_133712652
chr10	571257	571257	+	8.873E-18	1.5619E-16	0.285345	hyper	sig	chr10_571257
chr7	1.51E+08	150954918	+	8.874E-18	1.5621E-16	0.280446	hyper	sig	chr7_150954918
chr19	45815253	45815253	+	8.875E-18	1.5621E-16	0.32543	hyper	sig	chr19_45815253
chr12	1.2E+08	119804192	+	8.886E-18	1.564E-16	0.300566	hyper	sig	chr12_119804192
chr10	86668610	86668610	+	8.916E-18	1.5692E-16	0.350653	hyper	sig	chr10_86668610
chr20	21020550	21020550	+	8.923E-18	1.5705E-16	0.304285	hyper	sig	chr20_21020550
chr8	1668195	1668195	+	8.924E-18	1.5706E-16	-0.31935	hypo	sig	chr8_1668195
chr2	88067843	88067843	+	8.927E-18	1.5711E-16	0.206203	hyper	sig	chr2_88067843
chr18	77979548	77979548	+	8.927E-18	1.5711E-16	-0.40424	hypo	sig	chr18_77979548
chr4	7500633	7500633	+	8.947E-18	1.5746E-16	-0.39971	hypo	sig	chr4_7500633
chr1	12143543	12143543	+	8.948E-18	1.5746E-16	-0.26149	hypo	sig	chr1_12143543
chr10	1.31E+08	131253374	+	8.953E-18	1.5756E-16	-0.28511	hypo	sig	chr10_131253374
chr15	99062252	99062252	+	8.958E-18	1.5763E-16	-0.30785	hypo	sig	chr15_99062252
chr1	1.57E+08	156647084	+	8.963E-18	1.5772E-16	0.279093	hyper	sig	chr1_156647084
chr5	1.33E+08	132822963	+	8.966E-18	1.5777E-16	0.266727	hyper	sig	chr5_132822963
chr12	1.33E+08	132909247	+	8.967E-18	1.5779E-16	0.203656	hyper	sig	chr12_132909247
chr5	38259141	38259141	+	8.968E-18	1.5779E-16	0.247562	hyper	sig	chr5_38259141
chr8	70070620	70070620	+	8.976E-18	1.5794E-16	0.348593	hyper	sig	chr8_70070620
chr3	1.39E+08	139044993	+	8.985E-18	1.5809E-16	0.231512	hyper	sig	chr3_139044993
chr4	4226509	4226509	+	8.988E-18	1.5814E-16	0.253051	hyper	sig	chr4_4226509
chr13	94704808	94704808	+	8.996E-18	1.5828E-16	0.312171	hyper	sig	chr13_94704808
chr2	47571290	47571290	+	8.997E-18	1.5828E-16	0.204715	hyper	sig	chr2_47571290
chr12	1.13E+08	113464498	+	8.997E-18	1.5829E-16	0.295396	hyper	sig	chr12_113464498
chr14	74589776	74589776	+	8.999E-18	1.5832E-16	-0.26526	hypo	sig	chr14_74589776
chr4	1.55E+08	154744626	+	8.999E-18	1.5832E-16	0.291451	hyper	sig	chr4_154744626
chr11	94545902	94545902	+	9.001E-18	1.5835E-16	-0.28488	hypo	sig	chr11_94545902
chr13	1.11E+08	111326751	+	9.003E-18	1.5838E-16	-0.24333	hypo	sig	chr13_111326751
chr1	21862097	21862097	+	9.003E-18	1.5838E-16	0.219876	hyper	sig	chr1_21862097
chr9	1.23E+08	123115747	+	9.012E-18	1.5854E-16	0.209114	hyper	sig	chr9_123115747
chr5	1.41E+08	141346321	+	9.014E-18	1.5856E-16	0.274536	hyper	sig	chr5_141346321
chr8	9324891	9324891	+	9.018E-18	1.5862E-16	-0.26029	hypo	sig	chr8_9324891
chr14	85531169	85531169	+	9.029E-18	1.5881E-16	0.284729	hyper	sig	chr14_85531169
chr5	73299867	73299867	+	9.029E-18	1.5882E-16	0.249354	hyper	sig	chr5_73299867
chr9	1.37E+08	136994695	+	9.033E-18	1.5889E-16	0.294279	hyper	sig	chr9_136994695
chr19	16173530	16173530	+	9.044E-18	1.5908E-16	-0.2213	hypo	sig	chr19_16173530
chr15	52794660	52794660	+	9.051E-18	1.5919E-16	0.305664	hyper	sig	chr15_52794660
chr4	41748373	41748373	+	9.052E-18	1.592E-16	0.219364	hyper	sig	chr4_41748373
chr8	1.41E+08	140577973	+	9.053E-18	1.5922E-16	0.288494	hyper	sig	chr8_140577973
chr3	27720868	27720868	+	9.055E-18	1.5924E-16	0.266596	hyper	sig	chr3_27720868
chr14	99319871	99319871	+	9.058E-18	1.593E-16	-0.27222	hypo	sig	chr14_99319871
chr8	48553628	48553628	+	9.062E-18	1.5937E-16	-0.27803	hypo	sig	chr8_48553628
chr1	3247829	3247829	+	9.063E-18	1.5938E-16	0.213175	hyper	sig	chr1_3247829
chr6	34155770	34155770	+	9.066E-18	1.5943E-16	-0.24702	hypo	sig	chr6_34155770
chr5	1.41E+08	141247748	+	9.078E-18	1.5963E-16	0.287786	hyper	sig	chr5_141247748

chr1	1.71E+08	171257563	+	9.08E-18	1.5966E-16	-0.2556	hypo	sig	chr1_171257563
chr2	1.19E+08	118849561	+	9.086E-18	1.5977E-16	0.282656	hyper	sig	chr2_118849561
chr13	96091883	96091883	+	9.089E-18	1.5982E-16	0.207973	hyper	sig	chr13_96091883
chr5	37835066	37835066	+	9.09E-18	1.5983E-16	0.272727	hyper	sig	chr5_37835066
chr9	1.37E+08	136821228	+	9.105E-18	1.6008E-16	0.243109	hyper	sig	chr9_136821228
chr16	85179363	85179363	+	9.11E-18	1.6016E-16	-0.23513	hypo	sig	chr16_85179363
chr11	1853167	1853167	+	9.111E-18	1.6019E-16	-0.29951	hypo	sig	chr11_1853167
chr15	90004747	90004747	+	9.121E-18	1.6034E-16	-0.36053	hypo	sig	chr15_90004747
chr12	1.03E+08	103302389	+	9.13E-18	1.6051E-16	0.292527	hyper	sig	chr12_103302389
chr7	97021936	97021936	+	9.131E-18	1.6053E-16	0.405048	hyper	sig	chr7_97021936
chr7	45089520	45089520	+	9.132E-18	1.6054E-16	0.203788	hyper	sig	chr7_45089520
chr16	1194517	1194517	+	9.133E-18	1.6055E-16	-0.35433	hypo	sig	chr16_1194517
chr19	44776950	44776950	+	9.139E-18	1.6065E-16	-0.30595	hypo	sig	chr19_44776950
chr4	3385656	3385656	+	9.146E-18	1.6075E-16	-0.29435	hypo	sig	chr4_3385656
chr5	1.41E+08	141399720	+	9.146E-18	1.6076E-16	0.295661	hyper	sig	chr5_141399720
chr6	1.68E+08	167739995	+	9.157E-18	1.6094E-16	-0.22637	hypo	sig	chr6_167739995
chr2	1.72E+08	172108467	+	9.165E-18	1.6109E-16	0.264666	hyper	sig	chr2_172108467
chr7	2440862	2440862	+	9.173E-18	1.6121E-16	-0.32145	hypo	sig	chr7_2440862
chr2	2.41E+08	240913684	+	9.188E-18	1.6147E-16	-0.22505	hypo	sig	chr2_240913684
chr15	82692196	82692196	+	9.194E-18	1.6157E-16	-0.28332	hypo	sig	chr15_82692196
chr5	1.41E+08	141215446	+	9.194E-18	1.6157E-16	0.290154	hyper	sig	chr5_141215446
chr10	13891599	13891599	+	9.199E-18	1.6165E-16	0.274297	hyper	sig	chr10_13891599
chr12	1.03E+08	102824773	+	9.201E-18	1.6168E-16	0.270986	hyper	sig	chr12_102824773
chr13	26050349	26050349	+	9.212E-18	1.6188E-16	0.289287	hyper	sig	chr13_26050349
chr14	1.01E+08	101063988	+	9.215E-18	1.6193E-16	-0.26585	hypo	sig	chr14_101063988
chr14	1.01E+08	101460622	+	9.217E-18	1.6196E-16	-0.31547	hypo	sig	chr14_101460622
chr1	2270576	2270576	+	9.22E-18	1.6201E-16	0.30988	hyper	sig	chr1_2270576
chr12	1.25E+08	124501359	+	9.221E-18	1.6202E-16	0.247772	hyper	sig	chr12_124501359
chr1	63320369	63320369	+	9.223E-18	1.6205E-16	0.232985	hyper	sig	chr1_63320369
chr19	57477210	57477210	+	9.232E-18	1.622E-16	0.30592	hyper	sig	chr19_57477210
chr9	97877107	97877107	+	9.244E-18	1.6242E-16	-0.31537	hypo	sig	chr9_97877107
chr8	64577164	64577164	+	9.248E-18	1.6248E-16	0.252755	hyper	sig	chr8_64577164
chr2	2.19E+08	219448717	+	9.256E-18	1.6261E-16	0.343587	hyper	sig	chr2_219448717
chr4	7665843	7665843	+	9.26E-18	1.6267E-16	-0.29892	hypo	sig	chr4_7665843
chr2	1.18E+08	117836312	+	9.261E-18	1.627E-16	0.33114	hyper	sig	chr2_117836312
chr8	1.28E+08	127798462	+	9.269E-18	1.6282E-16	-0.20691	hypo	sig	chr8_127798462
chr6	99607040	99607040	+	9.282E-18	1.6304E-16	0.231157	hyper	sig	chr6_99607040
chr5	1.41E+08	141332836	+	9.285E-18	1.6309E-16	0.286579	hyper	sig	chr5_141332836
chr1	15703282	15703282	+	9.287E-18	1.6313E-16	0.240833	hyper	sig	chr1_15703282
chr7	1395500	1395500	+	9.3E-18	1.6335E-16	0.294945	hyper	sig	chr7_1395500
chr13	78596833	78596833	+	9.302E-18	1.6339E-16	0.26004	hyper	sig	chr13_78596833
chr5	1.76E+08	176192435	+	9.306E-18	1.6346E-16	-0.38526	hypo	sig	chr5_176192435
chr14	95525008	95525008	+	9.307E-18	1.6347E-16	-0.27752	hypo	sig	chr14_95525008
chr13	57630859	57630859	+	9.309E-18	1.635E-16	0.287458	hyper	sig	chr13_57630859
chr7	1.53E+08	152926182	+	9.311E-18	1.6352E-16	0.335823	hyper	sig	chr7_152926182
chr12	1.32E+08	131686766	+	9.329E-18	1.6384E-16	-0.26439	hypo	sig	chr12_131686766
chr16	30115259	30115259	+	9.336E-18	1.6397E-16	-0.28212	hypo	sig	chr16_30115259
chr20	46246792	46246792	+	9.339E-18	1.6402E-16	0.273311	hyper	sig	chr20_46246792
chr21	42362357	42362357	+	9.358E-18	1.6434E-16	0.279541	hyper	sig	chr21_42362357
chr12	1.32E+08	132423727	+	9.359E-18	1.6436E-16	-0.31385	hypo	sig	chr12_132423727
chr1	38047943	38047943	+	9.36E-18	1.6437E-16	0.24621	hyper	sig	chr1_38047943
chr10	99531217	99531217	+	9.361E-18	1.6439E-16	0.247214	hyper	sig	chr10_99531217
chr1	2.28E+08	227888018	+	9.363E-18	1.6441E-16	0.25706	hyper	sig	chr1_227888018
chr4	7185601	7185601	+	9.363E-18	1.6441E-16	-0.27483	hypo	sig	chr4_7185601
chr10	53827519	53827519	+	9.365E-18	1.6445E-16	-0.22719	hypo	sig	chr10_53827519
chr2	2.18E+08	218387102	+	9.384E-18	1.6477E-16	-0.31071	hypo	sig	chr2_218387102

chr21	36697021	36697021	+	9.384E-18	1.6477E-16	0.317363	hyper	sig	chr21_36697021
chr7	20776633	20776633	+	9.384E-18	1.6477E-16	0.278202	hyper	sig	chr7_20776633
chr20	31441090	31441090	+	9.394E-18	1.6494E-16	-0.3065	hypo	sig	chr20_31441090
chr5	45696323	45696323	+	9.396E-18	1.6497E-16	0.282831	hyper	sig	chr5_45696323
chr4	84497269	84497269	+	9.399E-18	1.6502E-16	0.229623	hyper	sig	chr4_84497269
chr10	99527900	99527900	+	9.401E-18	1.6505E-16	0.306172	hyper	sig	chr10_99527900
chr15	28832400	28832400	+	9.401E-18	1.6505E-16	0.23393	hyper	sig	chr15_28832400
chr14	75980338	75980338	+	9.403E-18	1.6507E-16	0.273328	hyper	sig	chr14_75980338
chr16	761078	761078	+	9.404E-18	1.651E-16	-0.28111	hypo	sig	chr16_761078
chr6	50850512	50850512	+	9.421E-18	1.6539E-16	0.263222	hyper	sig	chr6_50850512
chr17	35090040	35090040	+	9.423E-18	1.6542E-16	-0.31523	hypo	sig	chr17_35090040
chr9	1.37E+08	136846433	+	9.425E-18	1.6545E-16	0.300647	hyper	sig	chr9_136846433
chr1	92481163	92481163	+	9.439E-18	1.657E-16	0.246873	hyper	sig	chr1_92481163
chr12	1.15E+08	114700210	+	9.446E-18	1.6582E-16	0.279768	hyper	sig	chr12_114700210
chr5	1.29E+08	128965572	+	9.447E-18	1.6583E-16	0.263664	hyper	sig	chr5_128965572
chr14	1.03E+08	103225776	+	9.448E-18	1.6583E-16	0.236577	hyper	sig	chr14_103225776
chr8	1.19E+08	118614791	+	9.449E-18	1.6585E-16	0.223672	hyper	sig	chr8_118614791
chr4	6297659	6297659	+	9.457E-18	1.6599E-16	-0.24784	hypo	sig	chr4_6297659
chr19	48491596	48491596	+	9.469E-18	1.662E-16	0.287192	hyper	sig	chr19_48491596
chr10	8036324	8036324	+	9.476E-18	1.6632E-16	0.336957	hyper	sig	chr10_8036324
chr19	45674220	45674220	+	9.477E-18	1.6632E-16	-0.26665	hypo	sig	chr19_45674220
chr16	1288453	1288453	+	9.48E-18	1.6638E-16	-0.26965	hypo	sig	chr16_1288453
chr5	44388805	44388805	+	9.483E-18	1.6641E-16	0.244152	hyper	sig	chr5_44388805
chr17	38918685	38918685	+	9.495E-18	1.6662E-16	0.225397	hyper	sig	chr17_38918685
chr1	46569612	46569612	+	9.496E-18	1.6665E-16	0.281455	hyper	sig	chr1_46569612
chr12	1.03E+08	103495895	+	9.497E-18	1.6665E-16	0.22324	hyper	sig	chr12_103495895
chr7	1.28E+08	128454665	+	9.51E-18	1.6688E-16	0.272872	hyper	sig	chr7_128454665
chr2	2.22E+08	222295438	+	9.519E-18	1.6703E-16	0.236476	hyper	sig	chr2_222295438
chr6	31355620	31355620	+	9.52E-18	1.6705E-16	-0.23812	hypo	sig	chr6_31355620
chr16	10688452	10688452	+	9.521E-18	1.6707E-16	-0.31724	hypo	sig	chr16_10688452
chr7	45921976	45921976	+	9.529E-18	1.672E-16	0.253601	hyper	sig	chr7_45921976
chr7	1.57E+08	157004408	+	9.531E-18	1.6724E-16	0.268637	hyper	sig	chr7_157004408
chr1	24931017	24931017	+	9.535E-18	1.6729E-16	0.315347	hyper	sig	chr1_24931017
chr15	77736408	77736408	+	9.539E-18	1.6736E-16	-0.26089	hypo	sig	chr15_77736408
chr8	1.4E+08	140360137	+	9.54E-18	1.6738E-16	0.260967	hyper	sig	chr8_140360137
chr10	42480194	42480194	+	9.54E-18	1.6738E-16	-0.34106	hypo	sig	chr10_42480194
chr14	99118363	99118363	+	9.547E-18	1.6749E-16	0.274356	hyper	sig	chr14_99118363
chr10	49610860	49610860	+	9.552E-18	1.6757E-16	0.291647	hyper	sig	chr10_49610860
chr2	2.4E+08	240290935	+	9.556E-18	1.6765E-16	-0.23753	hypo	sig	chr2_240290935
chr1	2.28E+08	228470123	+	9.556E-18	1.6765E-16	0.294653	hyper	sig	chr1_228470123
chr1	1.48E+08	148309552	+	9.557E-18	1.6765E-16	0.251638	hyper	sig	chr1_148309552
chr13	1.13E+08	113413705	+	9.562E-18	1.6774E-16	0.260178	hyper	sig	chr13_113413705
chr16	89949615	89949615	+	9.564E-18	1.6777E-16	0.264438	hyper	sig	chr16_89949615
chr7	92609041	92609041	+	9.564E-18	1.6777E-16	-0.33239	hypo	sig	chr7_92609041
chr7	1.59E+08	159025598	+	9.567E-18	1.678E-16	-0.44927	hypo	sig	chr7_159025598
chr2	2.19E+08	219418421	+	9.57E-18	1.6785E-16	0.307858	hyper	sig	chr2_219418421
chr13	52848156	52848156	+	9.576E-18	1.6795E-16	0.31192	hyper	sig	chr13_52848156
chr15	64681728	64681728	+	9.59E-18	1.682E-16	0.238544	hyper	sig	chr15_64681728
chr11	8016906	8016906	+	9.598E-18	1.6834E-16	-0.3479	hypo	sig	chr11_8016906
chr16	1266398	1266398	+	9.599E-18	1.6835E-16	-0.30515	hypo	sig	chr16_1266398
chr3	1.97E+08	196948450	+	9.601E-18	1.6839E-16	0.327029	hyper	sig	chr3_196948450
chr5	16735374	16735374	+	9.602E-18	1.6839E-16	-0.28966	hypo	sig	chr5_16735374
chr15	28848693	28848693	+	9.603E-18	1.684E-16	-0.24713	hypo	sig	chr15_28848693
chr5	1.4E+08	139710261	+	9.636E-18	1.6897E-16	-0.25884	hypo	sig	chr5_139710261
chr2	2.08E+08	208407135	+	9.644E-18	1.6912E-16	0.260318	hyper	sig	chr2_208407135
chr2	2.34E+08	233729111	+	9.646E-18	1.6915E-16	-0.28636	hypo	sig	chr2_233729111

chr1	1.62E+08	161605834	+	9.647E-18	1.6916E-16	0.279921	hyper	sig	chr1_161605834
chr17	65553236	65553236	+	9.65E-18	1.692E-16	-0.25987	hypo	sig	chr17_65553236
chr3	13041934	13041934	+	9.658E-18	1.6935E-16	-0.25033	hypo	sig	chr3_13041934
chr2	96839814	96839814	+	9.66E-18	1.6938E-16	0.207922	hyper	sig	chr2_96839814
chr7	1.51E+08	151410848	+	9.661E-18	1.6938E-16	0.333314	hyper	sig	chr7_151410848
chr12	40693006	40693006	+	9.669E-18	1.6952E-16	0.293759	hyper	sig	chr12_40693006
chr8	1653241	1653241	+	9.671E-18	1.6955E-16	-0.25439	hypo	sig	chr8_1653241
chr10	3399212	3399212	+	9.674E-18	1.6961E-16	-0.30622	hypo	sig	chr10_3399212
chr20	63178589	63178589	+	9.674E-18	1.6961E-16	0.348952	hyper	sig	chr20_63178589
chr10	15718980	15718980	+	9.681E-18	1.6971E-16	0.307795	hyper	sig	chr10_15718980
chr4	1.06E+08	105896760	+	9.686E-18	1.698E-16	-0.26262	hypo	sig	chr4_105896760
chr22	50017215	50017215	+	9.69E-18	1.6986E-16	-0.31244	hypo	sig	chr22_50017215
chr19	2428527	2428527	+	9.691E-18	1.6988E-16	0.242863	hyper	sig	chr19_2428527
chr19	22422359	22422359	+	9.692E-18	1.6989E-16	0.242478	hyper	sig	chr19_22422359
chr6	45664076	45664076	+	9.694E-18	1.6992E-16	0.306824	hyper	sig	chr6_45664076
chr1	1163000	1163000	+	9.694E-18	1.6993E-16	-0.23854	hypo	sig	chr1_1163000
chr6	1.65E+08	165302156	+	9.709E-18	1.7018E-16	-0.26568	hypo	sig	chr6_165302156
chr7	19107473	19107473	+	9.713E-18	1.7025E-16	0.23648	hyper	sig	chr7_19107473
chr10	1.33E+08	133087775	+	9.715E-18	1.7028E-16	0.210504	hyper	sig	chr10_133087775
chr20	50732323	50732323	+	9.715E-18	1.7028E-16	-0.20159	hypo	sig	chr20_50732323
chr1	23214852	23214852	+	9.719E-18	1.7034E-16	-0.25584	hypo	sig	chr1_23214852
chr17	79748676	79748676	+	9.731E-18	1.7055E-16	0.29038	hyper	sig	chr17_79748676
chr8	52564922	52564922	+	9.735E-18	1.7062E-16	0.291336	hyper	sig	chr8_52564922
chr5	1.81E+08	180629291	+	9.736E-18	1.7063E-16	-0.28361	hypo	sig	chr5_180629291
chr2	74436473	74436473	+	9.761E-18	1.7105E-16	0.220287	hyper	sig	chr2_74436473
chr8	1.43E+08	143417869	+	9.779E-18	1.7136E-16	-0.32884	hypo	sig	chr8_143417869
chr18	9535828	9535828	+	9.78E-18	1.7138E-16	0.310009	hyper	sig	chr18_9535828
chr5	1.41E+08	141423116	+	9.783E-18	1.7143E-16	0.280238	hyper	sig	chr5_141423116
chr5	2727644	2727644	+	9.788E-18	1.7151E-16	0.251398	hyper	sig	chr5_2727644
chr14	88326974	88326974	+	9.79E-18	1.7154E-16	0.24972	hyper	sig	chr14_88326974
chr5	37838535	37838535	+	9.801E-18	1.7174E-16	0.256928	hyper	sig	chr5_37838535
chr10	1.01E+08	101238316	+	9.802E-18	1.7175E-16	0.286855	hyper	sig	chr10_101238316
chr3	51669798	51669798	+	9.802E-18	1.7175E-16	-0.22501	hypo	sig	chr3_51669798
chr12	64390670	64390670	+	9.805E-18	1.7178E-16	0.277733	hyper	sig	chr12_64390670
chr20	36876187	36876187	+	9.818E-18	1.7202E-16	-0.31312	hypo	sig	chr20_36876187
chr16	1941356	1941356	+	9.819E-18	1.7204E-16	-0.25695	hypo	sig	chr16_1941356
chr16	86507853	86507853	+	9.82E-18	1.7204E-16	0.330409	hyper	sig	chr16_86507853
chr16	4795707	4795707	+	9.835E-18	1.723E-16	-0.28893	hypo	sig	chr16_4795707
chr9	1.31E+08	130894300	+	9.842E-18	1.7241E-16	0.236763	hyper	sig	chr9_130894300
chr6	1.08E+08	108166237	+	9.85E-18	1.7255E-16	0.408559	hyper	sig	chr6_108166237
chr17	82244550	82244550	+	9.857E-18	1.7267E-16	0.261861	hyper	sig	chr17_82244550
chr5	1.41E+08	140856447	+	9.878E-18	1.7303E-16	0.248557	hyper	sig	chr5_140856447
chr15	61227287	61227287	+	9.89E-18	1.7325E-16	0.206483	hyper	sig	chr15_61227287
chr1	63329703	63329703	+	9.893E-18	1.7328E-16	0.272977	hyper	sig	chr1_63329703
chr15	93067557	93067557	+	9.896E-18	1.7334E-16	-0.34602	hypo	sig	chr15_93067557
chr1	10779438	10779438	+	9.899E-18	1.7338E-16	-0.3147	hypo	sig	chr1_10779438
chr10	90857405	90857405	+	9.908E-18	1.7354E-16	0.239415	hyper	sig	chr10_90857405
chr1	92441792	92441792	+	9.914E-18	1.7365E-16	-0.31347	hypo	sig	chr1_92441792
chr6	42178145	42178145	+	9.915E-18	1.7365E-16	0.315349	hyper	sig	chr6_42178145
chr6	28475010	28475010	+	9.92E-18	1.7374E-16	0.222631	hyper	sig	chr6_28475010
chr2	2.4E+08	240324753	+	9.924E-18	1.7381E-16	-0.2593	hypo	sig	chr2_240324753
chr11	62541338	62541338	+	9.926E-18	1.7383E-16	0.287809	hyper	sig	chr11_62541338
chr10	1.32E+08	132232366	+	9.932E-18	1.7393E-16	-0.29814	hypo	sig	chr10_132232366
chr3	1.2E+08	119809794	+	9.932E-18	1.7393E-16	0.315789	hyper	sig	chr3_119809794
chr12	24921044	24921044	+	9.936E-18	1.7399E-16	-0.29053	hypo	sig	chr12_24921044
chr2	1.78E+08	178479741	+	9.938E-18	1.7403E-16	-0.31493	hypo	sig	chr2_178479741

chr11	1748078	1748078	+	9.944E-18	1.7413E-16	0.360447	hyper	sig	chr11_1748078
chr16	502223	502223	+	9.946E-18	1.7415E-16	-0.34569	hypo	sig	chr16_502223
chr14	32935274	32935274	+	9.963E-18	1.7445E-16	0.208422	hyper	sig	chr14_32935274
chr11	3232751	3232751	+	9.971E-18	1.7459E-16	0.240703	hyper	sig	chr11_3232751
chr2	63056957	63056957	+	9.973E-18	1.7462E-16	0.315164	hyper	sig	chr2_63056957
chr1	1.02E+08	101996495	+	9.997E-18	1.7502E-16	0.296034	hyper	sig	chr1_101996495
chr11	20163836	20163836	+	9.998E-18	1.7504E-16	0.340726	hyper	sig	chr11_20163836
chr20	36876202	36876202	+	9.999E-18	1.7504E-16	-0.32295	hypo	sig	chr20_36876202
chr11	66559272	66559272	+	1.001E-17	1.7517E-16	0.25188	hyper	sig	chr11_66559272
chr5	2289139	2289139	+	1.001E-17	1.7517E-16	-0.20492	hypo	sig	chr5_2289139
chr6	1.08E+08	108166616	+	1.002E-17	1.7533E-16	0.2413	hyper	sig	chr6_108166616
chr16	85302398	85302398	+	1.002E-17	1.7535E-16	-0.27315	hypo	sig	chr16_85302398
chr2	23617933	23617933	+	1.002E-17	1.7536E-16	0.418183	hyper	sig	chr2_23617933
chr18	57354413	57354413	+	1.002E-17	1.754E-16	0.288278	hyper	sig	chr18_57354413
chr8	24957666	24957666	+	1.002E-17	1.7544E-16	0.240057	hyper	sig	chr8_24957666
chr7	1.54E+08	154053425	+	1.002E-17	1.7544E-16	0.321393	hyper	sig	chr7_154053425
chr2	99594164	99594164	+	1.003E-17	1.7561E-16	-0.28989	hypo	sig	chr2_99594164
chr3	69740804	69740804	+	1.003E-17	1.7563E-16	0.306723	hyper	sig	chr3_69740804
chr4	72032036	72032036	+	1.004E-17	1.7563E-16	0.31744	hyper	sig	chr4_72032036
chr14	1.07E+08	106802663	+	1.004E-17	1.757E-16	-0.32788	hypo	sig	chr14_106802663
chr7	27148385	27148385	+	1.004E-17	1.7574E-16	0.229997	hyper	sig	chr7_27148385
chr5	77629670	77629670	+	1.005E-17	1.7592E-16	0.214556	hyper	sig	chr5_77629670
chr5	1.81E+08	181114703	+	1.005E-17	1.7592E-16	0.33735	hyper	sig	chr5_181114703
chr5	7849778	7849778	+	1.006E-17	1.7603E-16	0.243426	hyper	sig	chr5_7849778
chr20	21103805	21103805	+	1.006E-17	1.7607E-16	0.288905	hyper	sig	chr20_21103805
chr1	3063548	3063548	+	1.008E-17	1.7633E-16	0.311288	hyper	sig	chr1_3063548
chr17	35374286	35374286	+	1.008E-17	1.7636E-16	0.236197	hyper	sig	chr17_35374286
chr1	38045928	38045928	+	1.008E-17	1.7647E-16	0.256519	hyper	sig	chr1_38045928
chr9	1.31E+08	130663292	+	1.009E-17	1.7663E-16	0.264249	hyper	sig	chr9_130663292
chr4	4858741	4858741	+	1.01E-17	1.7674E-16	0.225297	hyper	sig	chr4_4858741
chr4	1.74E+08	173518730	+	1.01E-17	1.7676E-16	0.358705	hyper	sig	chr4_173518730
chr10	79159492	79159492	+	1.011E-17	1.7686E-16	0.292001	hyper	sig	chr10_79159492
chr2	1.31E+08	131491365	+	1.011E-17	1.7687E-16	-0.24608	hypo	sig	chr2_131491365
chr6	1.66E+08	165989277	+	1.011E-17	1.7687E-16	0.271127	hyper	sig	chr6_165989277
chr14	23386171	23386171	+	1.012E-17	1.7698E-16	-0.34643	hypo	sig	chr14_23386171
chr16	67964194	67964194	+	1.012E-17	1.7699E-16	0.254118	hyper	sig	chr16_67964194
chr1	1.19E+08	119006473	+	1.012E-17	1.7702E-16	0.310051	hyper	sig	chr1_119006473
chr7	2104924	2104924	+	1.012E-17	1.7711E-16	0.270214	hyper	sig	chr7_2104924
chr16	67650013	67650013	+	1.013E-17	1.7719E-16	0.330934	hyper	sig	chr16_67650013
chr6	1.1E+08	109979889	+	1.013E-17	1.7719E-16	0.327356	hyper	sig	chr6_109979889
chr14	38210395	38210395	+	1.014E-17	1.7742E-16	0.363573	hyper	sig	chr14_38210395
chr4	1305367	1305367	+	1.015E-17	1.7754E-16	-0.23653	hypo	sig	chr4_1305367
chr19	50640815	50640815	+	1.015E-17	1.7755E-16	-0.25617	hypo	sig	chr19_50640815
chr17	29032880	29032880	+	1.015E-17	1.7757E-16	0.254757	hyper	sig	chr17_29032880
chr7	1.58E+08	158238034	+	1.015E-17	1.776E-16	-0.24934	hypo	sig	chr7_158238034
chr20	21517475	21517475	+	1.016E-17	1.7763E-16	0.296236	hyper	sig	chr20_21517475
chr8	1.43E+08	142563740	+	1.017E-17	1.778E-16	-0.29014	hypo	sig	chr8_142563740
chr14	20625874	20625874	+	1.017E-17	1.779E-16	0.25043	hyper	sig	chr14_20625874
chr5	2748046	2748046	+	1.018E-17	1.7801E-16	0.28927	hyper	sig	chr5_2748046
chr1	54781262	54781262	+	1.018E-17	1.7802E-16	0.311168	hyper	sig	chr1_54781262
chr4	54231822	54231822	+	1.018E-17	1.7809E-16	0.284963	hyper	sig	chr4_54231822
chr16	86579059	86579059	+	1.019E-17	1.7814E-16	0.309771	hyper	sig	chr16_86579059
chr10	1.17E+08	117138393	+	1.019E-17	1.7825E-16	0.241119	hyper	sig	chr10_117138393
chr11	69115900	69115900	+	1.019E-17	1.7828E-16	-0.31864	hypo	sig	chr11_69115900
chr1	1.18E+08	117607612	+	1.02E-17	1.7837E-16	-0.21171	hypo	sig	chr1_117607612
chr11	64604805	64604805	+	1.02E-17	1.7839E-16	-0.30036	hypo	sig	chr11_64604805

chr1	1040237	1040237	+	1.021E-17	1.7857E-16	0.207563	hyper	sig	chr1_1040237
chr14	28765967	28765967	+	1.022E-17	1.7874E-16	0.253591	hyper	sig	chr14_28765967
chr12	62191393	62191393	+	1.023E-17	1.7881E-16	0.272132	hyper	sig	chr12_62191393
chr3	1.2E+08	119809792	+	1.023E-17	1.7891E-16	0.309829	hyper	sig	chr3_119809792
chr2	96858999	96858999	+	1.023E-17	1.7896E-16	0.340367	hyper	sig	chr2_96858999
chr3	1.58E+08	158103747	+	1.024E-17	1.7911E-16	0.216161	hyper	sig	chr3_158103747
chr11	1.29E+08	128693013	+	1.026E-17	1.7936E-16	0.247137	hyper	sig	chr11_128693013
chr4	1.53E+08	153249686	+	1.028E-17	1.7978E-16	0.248008	hyper	sig	chr4_153249686
chr10	26218450	26218450	+	1.029E-17	1.7988E-16	0.274339	hyper	sig	chr10_26218450
chr11	1.23E+08	122976509	+	1.029E-17	1.7988E-16	0.36541	hyper	sig	chr11_122976509
chr22	39646624	39646624	+	1.029E-17	1.7992E-16	-0.2901	hypo	sig	chr22_39646624
chr14	1E+08	100328878	+	1.029E-17	1.7995E-16	-0.30168	hypo	sig	chr14_100328878
chr4	11427198	11427198	+	1.03E-17	1.8004E-16	0.246861	hyper	sig	chr4_11427198
chr5	1.62E+08	161548950	+	1.03E-17	1.8007E-16	0.230147	hyper	sig	chr5_161548950
chr3	1.38E+08	137772037	+	1.03E-17	1.8007E-16	0.213719	hyper	sig	chr3_137772037
chr10	1.18E+08	117735109	+	1.031E-17	1.8013E-16	0.274064	hyper	sig	chr10_117735109
chr3	1.29E+08	128651389	+	1.031E-17	1.8013E-16	-0.33867	hypo	sig	chr3_128651389
chr5	61631878	61631878	+	1.031E-17	1.8013E-16	0.295349	hyper	sig	chr5_61631878
chr19	46471743	46471743	+	1.031E-17	1.802E-16	0.266222	hyper	sig	chr19_46471743
chr1	17149534	17149534	+	1.031E-17	1.8027E-16	0.340852	hyper	sig	chr1_17149534
chr22	50031676	50031676	+	1.033E-17	1.8052E-16	-0.29224	hypo	sig	chr22_50031676
chr2	2.36E+08	235605827	+	1.033E-17	1.8059E-16	0.274755	hyper	sig	chr2_235605827
chr19	40567739	40567739	+	1.033E-17	1.8059E-16	0.303353	hyper	sig	chr19_40567739
chr1	1.54E+08	153693630	+	1.034E-17	1.8062E-16	-0.27293	hypo	sig	chr1_153693630
chr11	1.14E+08	114242384	+	1.034E-17	1.8073E-16	-0.24973	hypo	sig	chr11_114242384
chr2	80299927	80299927	+	1.034E-17	1.8075E-16	-0.26589	hypo	sig	chr2_80299927
chr7	1.38E+08	138005868	+	1.036E-17	1.8097E-16	-0.24903	hypo	sig	chr7_138005868
chr8	92102508	92102508	+	1.037E-17	1.8113E-16	0.205427	hyper	sig	chr8_92102508
chr1	54277081	54277081	+	1.037E-17	1.8115E-16	-0.2956	hypo	sig	chr1_54277081
chr17	50835296	50835296	+	1.038E-17	1.8133E-16	0.277779	hyper	sig	chr17_50835296
chr17	48726819	48726819	+	1.038E-17	1.8133E-16	0.265524	hyper	sig	chr17_48726819
chr5	1.73E+08	173243865	+	1.039E-17	1.8151E-16	0.331825	hyper	sig	chr5_173243865
chr10	1173486	1173486	+	1.041E-17	1.8189E-16	-0.31025	hypo	sig	chr10_1173486
chr1	66534118	66534118	+	1.042E-17	1.8197E-16	0.227117	hyper	sig	chr1_66534118
chr21	26842609	26842609	+	1.042E-17	1.8202E-16	0.277376	hyper	sig	chr21_26842609
chr7	35257422	35257422	+	1.042E-17	1.8207E-16	0.274457	hyper	sig	chr7_35257422
chr19	3801712	3801712	+	1.044E-17	1.8231E-16	0.213518	hyper	sig	chr19_3801712
chr7	27158100	27158100	+	1.044E-17	1.8239E-16	-0.23899	hypo	sig	chr7_27158100
chr12	1.32E+08	132426447	+	1.044E-17	1.8243E-16	-0.28791	hypo	sig	chr12_132426447
chr6	84773268	84773268	+	1.044E-17	1.8243E-16	0.248281	hyper	sig	chr6_84773268
chr11	32433172	32433172	+	1.046E-17	1.8272E-16	0.274627	hyper	sig	chr11_32433172
chr1	1.57E+08	156656966	+	1.046E-17	1.8278E-16	0.254363	hyper	sig	chr1_156656966
chr10	27744930	27744930	+	1.047E-17	1.8286E-16	0.246311	hyper	sig	chr10_27744930
chr1	75135433	75135433	+	1.047E-17	1.8292E-16	0.229671	hyper	sig	chr1_75135433
chr16	4769347	4769347	+	1.047E-17	1.8294E-16	-0.27335	hypo	sig	chr16_4769347
chr10	86390545	86390545	+	1.048E-17	1.83E-16	-0.27603	hypo	sig	chr10_86390545
chr10	1.3E+08	129960519	+	1.049E-17	1.8324E-16	0.316772	hyper	sig	chr10_129960519
chr13	98450870	98450870	+	1.05E-17	1.8337E-16	0.28884	hyper	sig	chr13_98450870
chr12	56957407	56957407	+	1.051E-17	1.8351E-16	-0.29401	hypo	sig	chr12_56957407
chr12	1.1E+08	109598172	+	1.052E-17	1.8379E-16	-0.28354	hypo	sig	chr12_109598172
chr10	8036314	8036314	+	1.055E-17	1.8424E-16	0.311769	hyper	sig	chr10_8036314
chr7	1.03E+08	103141677	+	1.055E-17	1.8428E-16	-0.35777	hypo	sig	chr7_103141677
chr7	27145202	27145202	+	1.056E-17	1.8431E-16	0.271563	hyper	sig	chr7_27145202
chr6	1.18E+08	117920367	+	1.056E-17	1.8433E-16	0.248365	hyper	sig	chr6_117920367
chr8	1.44E+08	144357346	+	1.056E-17	1.8445E-16	-0.22841	hypo	sig	chr8_144357346
chr11	3232656	3232656	+	1.057E-17	1.8453E-16	0.260339	hyper	sig	chr11_3232656

chr2	3314232	3314232	+	1.058E-17	1.847E-16	0.218309	hyper	sig	chr2_3314232
chr4	1.11E+08	110630895	+	1.058E-17	1.8473E-16	0.253194	hyper	sig	chr4_110630895
chr5	88695294	88695294	+	1.059E-17	1.8484E-16	0.308151	hyper	sig	chr5_88695294
chr1	2.36E+08	236064168	+	1.059E-17	1.8485E-16	0.210586	hyper	sig	chr1_236064168
chr5	1.36E+08	136030211	+	1.059E-17	1.8485E-16	-0.24321	hypo	sig	chr5_136030211
chr9	1.31E+08	131308156	+	1.061E-17	1.852E-16	-0.23891	hypo	sig	chr9_131308156
chr1	2.29E+08	229434079	+	1.062E-17	1.8532E-16	0.245987	hyper	sig	chr1_229434079
chr17	80823261	80823261	+	1.062E-17	1.8533E-16	-0.35631	hypo	sig	chr17_80823261
chr2	1.1E+08	110115016	+	1.062E-17	1.8533E-16	-0.2937	hypo	sig	chr2_110115016
chr12	63821879	63821879	+	1.062E-17	1.8538E-16	0.272237	hyper	sig	chr12_63821879
chr3	1.84E+08	184491515	+	1.065E-17	1.859E-16	0.350946	hyper	sig	chr3_184491515
chr5	1.41E+08	141339563	+	1.067E-17	1.8619E-16	0.238865	hyper	sig	chr5_141339563
chr12	57613233	57613233	+	1.068E-17	1.8635E-16	-0.36185	hypo	sig	chr12_57613233
chr1	68046990	68046990	+	1.068E-17	1.864E-16	-0.25216	hypo	sig	chr1_68046990
chr22	45309122	45309122	+	1.068E-17	1.864E-16	-0.30137	hypo	sig	chr22_45309122
chr19	9363114	9363114	+	1.068E-17	1.8645E-16	0.33729	hyper	sig	chr19_9363114
chr6	50706962	50706962	+	1.069E-17	1.8651E-16	0.303447	hyper	sig	chr6_50706962
chr7	73831444	73831444	+	1.069E-17	1.8653E-16	-0.26454	hypo	sig	chr7_73831444
chr20	64102923	64102923	+	1.069E-17	1.8653E-16	0.211203	hyper	sig	chr20_64102923
chr7	73831714	73831714	+	1.069E-17	1.8654E-16	-0.26268	hypo	sig	chr7_73831714
chr13	1.08E+08	107867974	+	1.069E-17	1.8659E-16	0.206467	hyper	sig	chr13_107867974
chr3	1.8E+08	180037434	+	1.07E-17	1.8668E-16	0.317761	hyper	sig	chr3_180037434
chr1	981501	981501	+	1.07E-17	1.867E-16	-0.25829	hypo	sig	chr1_981501
chr11	2213717	2213717	+	1.071E-17	1.8691E-16	-0.39145	hypo	sig	chr11_2213717
chr17	80960143	80960143	+	1.071E-17	1.8691E-16	0.348619	hyper	sig	chr17_80960143
chr13	50843830	50843830	+	1.072E-17	1.8699E-16	0.26776	hyper	sig	chr13_50843830
chr14	28765709	28765709	+	1.072E-17	1.8705E-16	0.231299	hyper	sig	chr14_28765709
chr8	4994966	4994966	+	1.073E-17	1.872E-16	0.282121	hyper	sig	chr8_4994966
chr19	11530494	11530494	+	1.074E-17	1.8735E-16	-0.23472	hypo	sig	chr19_11530494
chr7	3056850	3056850	+	1.074E-17	1.8744E-16	0.252666	hyper	sig	chr7_3056850
chr8	1.42E+08	142126679	+	1.076E-17	1.8777E-16	0.254777	hyper	sig	chr8_142126679
chr13	26051179	26051179	+	1.076E-17	1.8779E-16	0.264214	hyper	sig	chr13_26051179
chr2	637522	637522	+	1.077E-17	1.8788E-16	-0.30609	hypo	sig	chr2_637522
chr10	1.32E+08	132464470	+	1.078E-17	1.8797E-16	0.258116	hyper	sig	chr10_132464470
chr16	75245668	75245668	+	1.078E-17	1.8797E-16	0.240022	hyper	sig	chr16_75245668
chr2	37659891	37659891	+	1.078E-17	1.8797E-16	0.215507	hyper	sig	chr2_37659891
chr3	9552502	9552502	+	1.077E-17	1.8797E-16	0.272936	hyper	sig	chr3_9552502
chr19	30450978	30450978	+	1.078E-17	1.8798E-16	0.27737	hyper	sig	chr19_30450978
chr2	28981191	28981191	+	1.078E-17	1.88E-16	0.294664	hyper	sig	chr2_28981191
chr8	92101983	92101983	+	1.079E-17	1.882E-16	0.241987	hyper	sig	chr8_92101983
chr16	85623094	85623094	+	1.079E-17	1.8828E-16	-0.24395	hypo	sig	chr16_85623094
chr13	52848339	52848339	+	1.08E-17	1.884E-16	0.266788	hyper	sig	chr13_52848339
chr9	1.37E+08	137293499	+	1.081E-17	1.8854E-16	-0.27484	hypo	sig	chr9_137293499
chr11	64972022	64972022	+	1.081E-17	1.8855E-16	0.253908	hyper	sig	chr11_64972022
chr1	2.37E+08	237041831	+	1.082E-17	1.8864E-16	0.250655	hyper	sig	chr1_237041831
chr20	59031567	59031567	+	1.082E-17	1.8866E-16	-0.22832	hypo	sig	chr20_59031567
chr11	57597530	57597530	+	1.082E-17	1.8867E-16	0.2419	hyper	sig	chr11_57597530
chr14	1.02E+08	102048375	+	1.082E-17	1.887E-16	-0.33842	hypo	sig	chr14_102048375
chr16	49277600	49277600	+	1.082E-17	1.887E-16	0.287952	hyper	sig	chr16_49277600
chr1	21902089	21902089	+	1.082E-17	1.8872E-16	0.281788	hyper	sig	chr1_21902089
chr6	27670581	27670581	+	1.082E-17	1.8873E-16	0.206967	hyper	sig	chr6_27670581
chr10	1.33E+08	133115281	+	1.083E-17	1.8883E-16	-0.35508	hypo	sig	chr10_133115281
chr4	1.74E+08	174218038	+	1.084E-17	1.8907E-16	0.233956	hyper	sig	chr4_174218038
chr8	4994995	4994995	+	1.087E-17	1.8948E-16	0.242576	hyper	sig	chr8_4994995
chr6	62286477	62286477	+	1.087E-17	1.8954E-16	0.307929	hyper	sig	chr6_62286477
chr15	67826564	67826564	+	1.088E-17	1.8962E-16	0.331717	hyper	sig	chr15_67826564

chr15	93900843	93900843	+	1.088E-17	1.8965E-16	-0.30472	hypo	sig	chr15_93900843
chr13	1.02E+08	101916605	+	1.088E-17	1.8977E-16	0.340543	hyper	sig	chr13_101916605
chr2	1.19E+08	118849460	+	1.088E-17	1.8977E-16	0.294941	hyper	sig	chr2_118849460
chr7	73830506	73830506	+	1.089E-17	1.898E-16	-0.25742	hypo	sig	chr7_73830506
chr10	1.24E+08	123992157	+	1.089E-17	1.8981E-16	0.355341	hyper	sig	chr10_123992157
chr4	7665891	7665891	+	1.089E-17	1.8984E-16	-0.29365	hypo	sig	chr4_7665891
chr1	92481168	92481168	+	1.089E-17	1.8991E-16	0.257974	hyper	sig	chr1_92481168
chr15	55589540	55589540	+	1.09E-17	1.9002E-16	0.281929	hyper	sig	chr15_55589540
chr8	1E+08	100105858	+	1.09E-17	1.9002E-16	0.29265	hyper	sig	chr8_100105858
chr12	1920981	1920981	+	1.09E-17	1.9006E-16	-0.3451	hypo	sig	chr12_1920981
chr5	1761328	1761328	+	1.09E-17	1.9006E-16	-0.31522	hypo	sig	chr5_1761328
chr12	64390457	64390457	+	1.092E-17	1.903E-16	0.222826	hyper	sig	chr12_64390457
chr8	56113948	56113948	+	1.093E-17	1.9044E-16	0.33822	hyper	sig	chr8_56113948
chr14	20435524	20435524	+	1.093E-17	1.9051E-16	0.382423	hyper	sig	chr14_20435524
chr5	1.67E+08	166978500	+	1.093E-17	1.9058E-16	0.21692	hyper	sig	chr5_166978500
chr12	78865100	78865100	+	1.095E-17	1.9077E-16	0.24185	hyper	sig	chr12_78865100
chr12	80708783	80708783	+	1.095E-17	1.9085E-16	0.251045	hyper	sig	chr12_80708783
chr1	3140401	3140401	+	1.096E-17	1.9102E-16	0.273764	hyper	sig	chr1_3140401
chr10	75238386	75238386	+	1.097E-17	1.9112E-16	-0.23123	hypo	sig	chr10_75238386
chr11	67665662	67665662	+	1.097E-17	1.9125E-16	-0.21222	hypo	sig	chr11_67665662
chr16	1534049	1534049	+	1.097E-17	1.9126E-16	0.298436	hyper	sig	chr16_1534049
chr1	2.02E+08	201889549	+	1.098E-17	1.9135E-16	0.201424	hyper	sig	chr1_201889549
chr11	1.3E+08	130416544	+	1.099E-17	1.9152E-16	-0.29669	hypo	sig	chr11_130416544
chr9	88992136	88992136	+	1.099E-17	1.9154E-16	0.238207	hyper	sig	chr9_88992136
chr1	2.35E+08	234969857	+	1.1E-17	1.916E-16	0.256547	hyper	sig	chr1_234969857
chr19	35944745	35944745	+	1.1E-17	1.9164E-16	0.267197	hyper	sig	chr19_35944745
chr3	1.19E+08	119464094	+	1.101E-17	1.9181E-16	-0.27698	hypo	sig	chr3_119464094
chr6	1.1E+08	109978964	+	1.102E-17	1.9193E-16	0.257481	hyper	sig	chr6_109978964
chr1	44409017	44409017	+	1.102E-17	1.9201E-16	0.23371	hyper	sig	chr1_44409017
chr16	68642728	68642728	+	1.103E-17	1.921E-16	0.300641	hyper	sig	chr16_68642728
chr1	1.48E+08	148309959	+	1.103E-17	1.9213E-16	0.322833	hyper	sig	chr1_148309959
chr6	32056065	32056065	+	1.103E-17	1.9222E-16	-0.27354	hypo	sig	chr6_32056065
chr16	49465150	49465150	+	1.103E-17	1.9223E-16	0.335516	hyper	sig	chr16_49465150
chr14	26204975	26204975	+	1.104E-17	1.9225E-16	0.257394	hyper	sig	chr14_26204975
chr7	1.58E+08	157527800	+	1.106E-17	1.9261E-16	-0.2403	hypo	sig	chr7_157527800
chr15	68552573	68552573	+	1.107E-17	1.9285E-16	-0.2619	hypo	sig	chr15_68552573
chr20	51026658	51026658	+	1.109E-17	1.9315E-16	-0.37394	hypo	sig	chr20_51026658
chr16	54935296	54935296	+	1.109E-17	1.9318E-16	0.287706	hyper	sig	chr16_54935296
chr4	44448376	44448376	+	1.11E-17	1.9329E-16	0.249401	hyper	sig	chr4_44448376
chr5	1.41E+08	141188716	+	1.11E-17	1.933E-16	0.327567	hyper	sig	chr5_141188716
chr9	1.02E+08	101737570	+	1.11E-17	1.9338E-16	0.296523	hyper	sig	chr9_101737570
chr19	49691855	49691855	+	1.11E-17	1.9342E-16	0.322189	hyper	sig	chr19_49691855
chr17	42852048	42852048	+	1.111E-17	1.9343E-16	0.337012	hyper	sig	chr17_42852048
chr9	3180912	3180912	+	1.111E-17	1.9345E-16	0.212665	hyper	sig	chr9_3180912
chr17	77233800	77233800	+	1.111E-17	1.9347E-16	-0.31069	hypo	sig	chr17_77233800
chr7	1.22E+08	122307066	+	1.112E-17	1.9361E-16	0.287468	hyper	sig	chr7_122307066
chr1	1.47E+08	147073254	+	1.112E-17	1.9363E-16	0.247544	hyper	sig	chr1_147073254
chr6	27260452	27260452	+	1.112E-17	1.9365E-16	0.248115	hyper	sig	chr6_27260452
chr6	1.6E+08	160090993	+	1.112E-17	1.9368E-16	-0.29601	hypo	sig	chr6_160090993
chr19	55359413	55359413	+	1.112E-17	1.9373E-16	-0.22673	hypo	sig	chr19_55359413
chr5	1.35E+08	135028950	+	1.112E-17	1.9373E-16	0.381166	hyper	sig	chr5_135028950
chr1	2.45E+08	245336424	+	1.113E-17	1.9374E-16	-0.26262	hypo	sig	chr1_245336424
chr20	31858418	31858418	+	1.113E-17	1.9384E-16	-0.25286	hypo	sig	chr20_31858418
chr21	37283448	37283448	+	1.113E-17	1.9385E-16	-0.24836	hypo	sig	chr21_37283448
chr17	79211135	79211135	+	1.113E-17	1.9387E-16	-0.27903	hypo	sig	chr17_79211135
chr5	1468538	1468538	+	1.114E-17	1.9405E-16	0.204505	hyper	sig	chr5_1468538

chr3	10995070	10995070	+	1.115E-17	1.9407E-16	-0.25259	hypo	sig	chr3_10995070
chr10	1.01E+08	101228195	+	1.115E-17	1.9409E-16	0.220252	hyper	sig	chr10_101228195
chr4	1.54E+08	153789613	+	1.115E-17	1.9417E-16	0.322309	hyper	sig	chr4_153789613
chr9	1.25E+08	124777790	+	1.115E-17	1.9422E-16	0.305242	hyper	sig	chr9_124777790
chr4	6384067	6384067	+	1.118E-17	1.947E-16	-0.31614	hypo	sig	chr4_6384067
chr6	32203511	32203511	+	1.12E-17	1.9494E-16	-0.25722	hypo	sig	chr6_32203511
chr8	72251711	72251711	+	1.12E-17	1.9501E-16	0.213197	hyper	sig	chr8_72251711
chr14	36583577	36583577	+	1.122E-17	1.9535E-16	0.287065	hyper	sig	chr14_36583577
chr12	1.23E+08	123097785	+	1.122E-17	1.9538E-16	0.239229	hyper	sig	chr12_123097785
chr22	17564047	17564047	+	1.122E-17	1.9538E-16	0.278807	hyper	sig	chr22_17564047
chr11	75432980	75432980	+	1.123E-17	1.9545E-16	0.309333	hyper	sig	chr11_75432980
chr17	58528107	58528107	+	1.123E-17	1.9548E-16	-0.24378	hypo	sig	chr17_58528107
chr4	1.11E+08	110633847	+	1.123E-17	1.9552E-16	0.31553	hyper	sig	chr4_110633847
chr19	5036960	5036960	+	1.124E-17	1.9558E-16	0.209086	hyper	sig	chr19_5036960
chr2	1.1E+08	110216388	+	1.124E-17	1.9558E-16	-0.25125	hypo	sig	chr2_110216388
chr10	23191016	23191016	+	1.124E-17	1.9559E-16	0.321103	hyper	sig	chr10_23191016
chr20	17225940	17225940	+	1.126E-17	1.9594E-16	0.33578	hyper	sig	chr20_17225940
chr14	64487494	64487494	+	1.127E-17	1.9612E-16	0.277072	hyper	sig	chr14_64487494
chr5	1.41E+08	141332910	+	1.129E-17	1.9644E-16	0.255958	hyper	sig	chr5_141332910
chr1	1.19E+08	118980303	+	1.129E-17	1.9651E-16	0.359366	hyper	sig	chr1_118980303
chr1	1.54E+08	153538440	+	1.13E-17	1.9661E-16	-0.22009	hypo	sig	chr1_153538440
chr11	22666624	22666624	+	1.13E-17	1.9663E-16	0.214551	hyper	sig	chr11_22666624
chr1	50416236	50416236	+	1.13E-17	1.967E-16	0.228282	hyper	sig	chr1_50416236
chr13	37105166	37105166	+	1.131E-17	1.9672E-16	-0.27628	hypo	sig	chr13_37105166
chr2	1.15E+08	115162970	+	1.131E-17	1.9677E-16	0.22556	hyper	sig	chr2_115162970
chr8	98294811	98294811	+	1.132E-17	1.9691E-16	-0.31313	hypo	sig	chr8_98294811
chr3	1.25E+08	125141999	+	1.133E-17	1.9707E-16	0.230117	hyper	sig	chr3_125141999
chr7	1538061	1538061	+	1.133E-17	1.9708E-16	0.273099	hyper	sig	chr7_1538061
chr8	24915547	24915547	+	1.133E-17	1.971E-16	0.251486	hyper	sig	chr8_24915547
chr2	2.24E+08	224031620	+	1.135E-17	1.9749E-16	-0.2559	hypo	sig	chr2_224031620
chr1	3067881	3067881	+	1.135E-17	1.9752E-16	0.288102	hyper	sig	chr1_3067881
chr1	92029308	92029308	+	1.137E-17	1.9783E-16	-0.22945	hypo	sig	chr1_92029308
chr11	57596067	57596067	+	1.137E-17	1.9785E-16	-0.27221	hypo	sig	chr11_57596067
chr8	1.43E+08	143390008	+	1.137E-17	1.9786E-16	-0.36701	hypo	sig	chr8_143390008
chr8	41309579	41309579	+	1.138E-17	1.9793E-16	0.246543	hyper	sig	chr8_41309579
chr4	1309703	1309703	+	1.139E-17	1.9811E-16	0.375122	hyper	sig	chr4_1309703
chr5	959007	959007	+	1.139E-17	1.9811E-16	-0.2639	hypo	sig	chr5_959007
chr16	6483174	6483174	+	1.139E-17	1.9821E-16	0.233601	hyper	sig	chr16_6483174
chr19	52535838	52535838	+	1.14E-17	1.9838E-16	0.24719	hyper	sig	chr19_52535838
chr15	52783315	52783315	+	1.141E-17	1.9842E-16	0.230323	hyper	sig	chr15_52783315
chr2	2.22E+08	222295150	+	1.141E-17	1.9851E-16	0.375038	hyper	sig	chr2_222295150
chr16	89202421	89202421	+	1.142E-17	1.9855E-16	0.243482	hyper	sig	chr16_89202421
chr2	2.42E+08	241908979	+	1.142E-17	1.9868E-16	-0.24199	hypo	sig	chr2_241908979
chr12	85279613	85279613	+	1.142E-17	1.9869E-16	0.286119	hyper	sig	chr12_85279613
chr3	43996949	43996949	+	1.143E-17	1.9877E-16	0.248555	hyper	sig	chr3_43996949
chr4	7287930	7287930	+	1.146E-17	1.9927E-16	-0.37127	hypo	sig	chr4_7287930
chr7	35259603	35259603	+	1.146E-17	1.9928E-16	0.253767	hyper	sig	chr7_35259603
chr14	1.01E+08	101053050	+	1.146E-17	1.9931E-16	-0.25094	hypo	sig	chr14_101053050
chr9	88991088	88991088	+	1.147E-17	1.9952E-16	0.302157	hyper	sig	chr9_88991088
chr5	5139493	5139493	+	1.148E-17	1.997E-16	0.324411	hyper	sig	chr5_5139493
chr19	52492910	52492910	+	1.149E-17	1.9981E-16	0.311462	hyper	sig	chr19_52492910
chr7	1.51E+08	150969663	+	1.15E-17	1.9992E-16	0.260975	hyper	sig	chr7_150969663
chr11	85934700	85934700	+	1.15E-17	1.9996E-16	0.332546	hyper	sig	chr11_85934700
chr2	5696103	5696103	+	1.15E-17	2E-16	0.283209	hyper	sig	chr2_5696103
chr6	84764699	84764699	+	1.15E-17	2.0003E-16	0.227675	hyper	sig	chr6_84764699
chr5	1.33E+08	132748361	+	1.151E-17	2.002E-16	-0.29225	hypo	sig	chr5_132748361

chr16	17515596	17515596	+	1.152E-17	2.0025E-16	-0.20982	hypo	sig	chr16_17515596
chr19	50728683	50728683	+	1.152E-17	2.0025E-16	0.348769	hyper	sig	chr19_50728683
chr9	98707034	98707034	+	1.152E-17	2.0028E-16	0.215746	hyper	sig	chr9_98707034
chr1	7070041	7070041	+	1.156E-17	2.0092E-16	0.302172	hyper	sig	chr1_7070041
chr17	21673859	21673859	+	1.156E-17	2.0094E-16	-0.23817	hypo	sig	chr17_21673859
chr16	46573779	46573779	+	1.156E-17	2.0096E-16	-0.35597	hypo	sig	chr16_46573779
chr11	1.3E+08	129743867	+	1.156E-17	2.0099E-16	-0.31215	hypo	sig	chr11_129743867
chr4	10461976	10461976	+	1.156E-17	2.01E-16	0.261644	hyper	sig	chr4_10461976
chr2	2.01E+08	201233370	+	1.157E-17	2.0106E-16	-0.26343	hypo	sig	chr2_201233370
chr8	71844410	71844410	+	1.158E-17	2.0123E-16	0.285137	hyper	sig	chr8_71844410
chr11	57648781	57648781	+	1.158E-17	2.0132E-16	0.221161	hyper	sig	chr11_57648781
chr17	65538427	65538427	+	1.159E-17	2.0139E-16	-0.26256	hypo	sig	chr17_65538427
chr1	12165512	12165512	+	1.159E-17	2.0146E-16	-0.21129	hypo	sig	chr1_12165512
chr12	1.08E+08	107775238	+	1.16E-17	2.0154E-16	0.269114	hyper	sig	chr12_107775238
chr7	1.55E+08	155372853	+	1.162E-17	2.0198E-16	0.211121	hyper	sig	chr7_155372853
chr18	501234	501234	+	1.162E-17	2.0199E-16	0.206527	hyper	sig	chr18_501234
chr1	1.15E+08	115338547	+	1.163E-17	2.0215E-16	0.36305	hyper	sig	chr1_115338547
chr15	24878299	24878299	+	1.165E-17	2.0247E-16	0.306549	hyper	sig	chr15_24878299
chr10	1.05E+08	104642631	+	1.167E-17	2.0273E-16	0.205353	hyper	sig	chr10_104642631
chr3	10993306	10993306	+	1.167E-17	2.0276E-16	0.242315	hyper	sig	chr3_10993306
chr7	2282244	2282244	+	1.167E-17	2.0288E-16	0.246628	hyper	sig	chr7_2282244
chr5	2739085	2739085	+	1.168E-17	2.0289E-16	0.26789	hyper	sig	chr5_2739085
chr12	47811728	47811728	+	1.17E-17	2.0327E-16	0.269417	hyper	sig	chr12_47811728
chr7	1.56E+08	155533120	+	1.17E-17	2.0337E-16	0.226243	hyper	sig	chr7_155533120
chr2	23617384	23617384	+	1.171E-17	2.0352E-16	0.271094	hyper	sig	chr2_23617384
chr3	1.88E+08	187669764	+	1.171E-17	2.0353E-16	0.24333	hyper	sig	chr3_187669764
chr7	1.55E+08	155454533	+	1.173E-17	2.0379E-16	0.295805	hyper	sig	chr7_155454533
chr15	79090710	79090710	+	1.173E-17	2.038E-16	0.375487	hyper	sig	chr15_79090710
chr13	21912593	21912593	+	1.173E-17	2.0387E-16	-0.23515	hypo	sig	chr13_21912593
chr15	59995206	59995206	+	1.174E-17	2.0391E-16	0.207785	hyper	sig	chr15_59995206
chr19	53942212	53942212	+	1.174E-17	2.0398E-16	0.271691	hyper	sig	chr19_53942212
chr9	1.36E+08	135715069	+	1.175E-17	2.0419E-16	0.254687	hyper	sig	chr9_135715069
chr17	80089964	80089964	+	1.175E-17	2.042E-16	-0.24557	hypo	sig	chr17_80089964
chr11	20596652	20596652	+	1.175E-17	2.042E-16	0.257706	hyper	sig	chr11_20596652
chr4	1.74E+08	174217945	+	1.176E-17	2.0437E-16	0.276014	hyper	sig	chr4_174217945
chr12	1.15E+08	114681030	+	1.177E-17	2.0447E-16	-0.24392	hypo	sig	chr12_114681030
chr10	75405412	75405412	+	1.177E-17	2.0451E-16	-0.3387	hypo	sig	chr10_75405412
chr16	1963098	1963098	+	1.178E-17	2.047E-16	-0.22781	hypo	sig	chr16_1963098
chr1	9183525	9183525	+	1.179E-17	2.0481E-16	0.271568	hyper	sig	chr1_9183525
chr9	93953818	93953818	+	1.18E-17	2.0496E-16	0.2781	hyper	sig	chr9_93953818
chr3	44022366	44022366	+	1.18E-17	2.0498E-16	0.232812	hyper	sig	chr3_44022366
chr20	63800074	63800074	+	1.182E-17	2.0523E-16	-0.3781	hypo	sig	chr20_63800074
chr2	1.2E+08	120346491	+	1.182E-17	2.0536E-16	0.223218	hyper	sig	chr2_120346491
chr7	8442477	8442477	+	1.183E-17	2.0545E-16	0.279899	hyper	sig	chr7_8442477
chr9	3180937	3180937	+	1.183E-17	2.0549E-16	0.249044	hyper	sig	chr9_3180937
chr19	345312	345312	+	1.185E-17	2.0575E-16	0.303685	hyper	sig	chr19_345312
chr19	39891791	39891791	+	1.186E-17	2.0596E-16	0.272772	hyper	sig	chr19_39891791
chr13	1.12E+08	112074063	+	1.186E-17	2.0597E-16	0.279817	hyper	sig	chr13_112074063
chr2	2.38E+08	238099145	+	1.187E-17	2.0616E-16	-0.31118	hypo	sig	chr2_238099145
chr16	88176950	88176950	+	1.188E-17	2.0629E-16	-0.25575	hypo	sig	chr16_88176950
chr19	12195488	12195488	+	1.188E-17	2.0633E-16	0.236825	hyper	sig	chr19_12195488
chr16	4334966	4334966	+	1.189E-17	2.0638E-16	-0.25478	hypo	sig	chr16_4334966
chr10	1.3E+08	129966155	+	1.189E-17	2.0642E-16	0.287941	hyper	sig	chr10_129966155
chr11	1344343	1344343	+	1.189E-17	2.0651E-16	-0.26179	hypo	sig	chr11_1344343
chr6	33124018	33124018	+	1.19E-17	2.0657E-16	-0.25769	hypo	sig	chr6_33124018
chr12	49904190	49904190	+	1.191E-17	2.0676E-16	0.236299	hyper	sig	chr12_49904190

chr5	1.41E+08	141388273	+	1.191E-17	2.0681E-16	0.322045	hyper	sig	chr5_141388273
chr13	52739791	52739791	+	1.192E-17	2.0692E-16	0.346035	hyper	sig	chr13_52739791
chr19	40614445	40614445	+	1.192E-17	2.07E-16	0.216228	hyper	sig	chr19_40614445
chr7	37916213	37916213	+	1.193E-17	2.0708E-16	0.297395	hyper	sig	chr7_37916213
chr1	1.57E+08	157101009	+	1.193E-17	2.071E-16	-0.25782	hypo	sig	chr1_157101009
chr4	1.65E+08	165007557	+	1.193E-17	2.0711E-16	-0.2759	hypo	sig	chr4_165007557
chr12	48003876	48003876	+	1.193E-17	2.0715E-16	0.212677	hyper	sig	chr12_48003876
chr10	1666593	1666593	+	1.194E-17	2.072E-16	-0.23618	hypo	sig	chr10_1666593
chr16	1221180	1221180	+	1.195E-17	2.0735E-16	-0.37186	hypo	sig	chr16_1221180
chr22	17370768	17370768	+	1.195E-17	2.0736E-16	0.255498	hyper	sig	chr22_17370768
chr19	36421835	36421835	+	1.195E-17	2.0743E-16	0.262346	hyper	sig	chr19_36421835
chr1	35560940	35560940	+	1.197E-17	2.0769E-16	0.314404	hyper	sig	chr1_35560940
chr16	68510109	68510109	+	1.197E-17	2.0779E-16	0.274828	hyper	sig	chr16_68510109
chr12	1.14E+08	114441287	+	1.198E-17	2.0785E-16	0.351501	hyper	sig	chr12_114441287
chr17	82388973	82388973	+	1.199E-17	2.081E-16	-0.28047	hypo	sig	chr17_82388973
chr2	63059486	63059486	+	1.2E-17	2.082E-16	0.299924	hyper	sig	chr2_63059486
chr1	1.48E+08	148329679	+	1.201E-17	2.0845E-16	0.286934	hyper	sig	chr1_148329679
chr13	83881969	83881969	+	1.202E-17	2.0851E-16	0.280117	hyper	sig	chr13_83881969
chr1	1333089	1333089	+	1.202E-17	2.0861E-16	-0.31228	hypo	sig	chr1_1333089
chr15	28832128	28832128	+	1.204E-17	2.0888E-16	0.293893	hyper	sig	chr15_28832128
chr11	8914888	8914888	+	1.206E-17	2.0924E-16	0.307898	hyper	sig	chr11_8914888
chr8	52939738	52939738	+	1.206E-17	2.0926E-16	0.347096	hyper	sig	chr8_52939738
chr11	46361640	46361640	+	1.206E-17	2.0929E-16	0.248232	hyper	sig	chr11_46361640
chr20	46030305	46030305	+	1.207E-17	2.0935E-16	0.371203	hyper	sig	chr20_46030305
chr4	8942390	8942390	+	1.207E-17	2.095E-16	-0.22148	hypo	sig	chr4_8942390
chr5	56480014	56480014	+	1.208E-17	2.0953E-16	-0.22469	hypo	sig	chr5_56480014
chr2	2.42E+08	241771472	+	1.209E-17	2.0969E-16	0.285873	hyper	sig	chr2_241771472
chr12	57869361	57869361	+	1.209E-17	2.0975E-16	0.333353	hyper	sig	chr12_57869361
chr1	1.77E+08	177171452	+	1.211E-17	2.1014E-16	0.25681	hyper	sig	chr1_177171452
chr5	1.8E+08	179966914	+	1.211E-17	2.1014E-16	-0.2647	hypo	sig	chr5_179966914
chr19	34554859	34554859	+	1.212E-17	2.1019E-16	-0.21265	hypo	sig	chr19_34554859
chr1	23790410	23790410	+	1.212E-17	2.1023E-16	-0.25526	hypo	sig	chr1_23790410
chr6	26743718	26743718	+	1.212E-17	2.1023E-16	0.313668	hyper	sig	chr6_26743718
chr6	10393264	10393264	+	1.214E-17	2.1057E-16	0.27667	hyper	sig	chr6_10393264
chr1	18637439	18637439	+	1.215E-17	2.108E-16	0.260401	hyper	sig	chr1_18637439
chr17	8408480	8408480	+	1.215E-17	2.108E-16	-0.2214	hypo	sig	chr17_8408480
chr2	2.22E+08	222289457	+	1.216E-17	2.109E-16	0.249543	hyper	sig	chr2_222289457
chr12	6364097	6364097	+	1.218E-17	2.1122E-16	-0.2195	hypo	sig	chr12_6364097
chr17	78468666	78468666	+	1.218E-17	2.1127E-16	-0.20369	hypo	sig	chr17_78468666
chr9	5188708	5188708	+	1.219E-17	2.1146E-16	-0.27675	hypo	sig	chr9_5188708
chr5	1.14E+08	114055854	+	1.22E-17	2.1151E-16	0.289943	hyper	sig	chr5_114055854
chr1	45622758	45622758	+	1.22E-17	2.1155E-16	0.263788	hyper	sig	chr1_45622758
chr5	2757919	2757919	+	1.22E-17	2.1165E-16	0.271146	hyper	sig	chr5_2757919
chr10	8055349	8055349	+	1.221E-17	2.117E-16	0.257584	hyper	sig	chr10_8055349
chr8	1.43E+08	142682045	+	1.221E-17	2.1174E-16	-0.2525	hypo	sig	chr8_142682045
chr12	1.3E+08	130337113	+	1.222E-17	2.1187E-16	-0.23682	hypo	sig	chr12_130337113
chr21	33026017	33026017	+	1.222E-17	2.1195E-16	0.283309	hyper	sig	chr21_33026017
chr19	28794102	28794102	+	1.223E-17	2.1201E-16	0.298164	hyper	sig	chr19_28794102
chr1	68046985	68046985	+	1.224E-17	2.1229E-16	-0.25825	hypo	sig	chr1_68046985
chr1	1.57E+08	156845162	+	1.224E-17	2.123E-16	0.282892	hyper	sig	chr1_156845162
chr2	8596216	8596216	+	1.227E-17	2.1267E-16	-0.21576	hypo	sig	chr2_8596216
chr7	1.43E+08	143409444	+	1.227E-17	2.127E-16	-0.23398	hypo	sig	chr7_143409444
chr1	2.4E+08	239996516	+	1.228E-17	2.1282E-16	-0.23867	hypo	sig	chr1_239996516
chr15	43649376	43649376	+	1.228E-17	2.1292E-16	0.219757	hyper	sig	chr15_43649376
chr20	10218622	10218622	+	1.228E-17	2.1292E-16	0.27419	hyper	sig	chr20_10218622
chr19	1439956	1439956	+	1.229E-17	2.1309E-16	-0.23312	hypo	sig	chr19_1439956

chr1	2.48E+08	247936419	+	1.23E-17	2.1328E-16	-0.35455	hypo	sig	chr1_247936419
chr5	1.41E+08	140877663	+	1.23E-17	2.1331E-16	0.284793	hyper	sig	chr5_140877663
chr17	36942025	36942025	+	1.233E-17	2.1367E-16	0.326241	hyper	sig	chr17_36942025
chr16	56190671	56190671	+	1.233E-17	2.1373E-16	0.27503	hyper	sig	chr16_56190671
chr12	1.32E+08	132173340	+	1.234E-17	2.1387E-16	-0.27305	hypo	sig	chr12_132173340
chr22	31099107	31099107	+	1.234E-17	2.1387E-16	0.254391	hyper	sig	chr22_31099107
chr17	40093071	40093071	+	1.234E-17	2.1391E-16	0.232757	hyper	sig	chr17_40093071
chr11	33372727	33372727	+	1.234E-17	2.1391E-16	-0.26687	hypo	sig	chr11_33372727
chr6	73299176	73299176	+	1.234E-17	2.1395E-16	0.296254	hyper	sig	chr6_73299176
chr1	1.83E+08	183416940	+	1.235E-17	2.1399E-16	0.237165	hyper	sig	chr1_183416940
chr10	1.34E+08	133528032	+	1.235E-17	2.1402E-16	0.334706	hyper	sig	chr10_133528032
chr5	31193780	31193780	+	1.235E-17	2.1403E-16	0.270527	hyper	sig	chr5_31193780
chr8	57143604	57143604	+	1.235E-17	2.1403E-16	0.289927	hyper	sig	chr8_57143604
chr6	28989058	28989058	+	1.236E-17	2.1413E-16	0.233399	hyper	sig	chr6_28989058
chr5	1.33E+08	132748367	+	1.237E-17	2.1431E-16	-0.29265	hypo	sig	chr5_132748367
chr17	77282089	77282089	+	1.237E-17	2.1433E-16	-0.23387	hypo	sig	chr17_77282089
chr5	16180168	16180168	+	1.237E-17	2.1438E-16	0.348138	hyper	sig	chr5_16180168
chr4	55125178	55125178	+	1.237E-17	2.1442E-16	0.359626	hyper	sig	chr4_55125178
chr19	19514507	19514507	+	1.238E-17	2.1449E-16	0.29928	hyper	sig	chr19_19514507
chr5	2387858	2387858	+	1.239E-17	2.1465E-16	0.269782	hyper	sig	chr5_2387858
chr10	49608844	49608844	+	1.239E-17	2.147E-16	0.271715	hyper	sig	chr10_49608844
chr5	71719125	71719125	+	1.24E-17	2.1486E-16	0.336414	hyper	sig	chr5_71719125
chr10	1.33E+08	133207427	+	1.24E-17	2.1489E-16	-0.27215	hypo	sig	chr10_133207427
chr20	17315774	17315774	+	1.24E-17	2.1491E-16	0.243422	hyper	sig	chr20_17315774
chr7	4769322	4769322	+	1.241E-17	2.1502E-16	0.245835	hyper	sig	chr7_4769322
chr9	1.24E+08	124015689	+	1.242E-17	2.1517E-16	0.41007	hyper	sig	chr9_124015689
chr12	1.21E+08	120649974	+	1.242E-17	2.1518E-16	0.310278	hyper	sig	chr12_120649974
chr22	22520237	22520237	+	1.242E-17	2.1519E-16	-0.26887	hypo	sig	chr22_22520237
chr1	1.65E+08	164576449	+	1.242E-17	2.1524E-16	0.383991	hyper	sig	chr1_164576449
chr19	2588542	2588542	+	1.243E-17	2.1527E-16	-0.2155	hypo	sig	chr19_2588542
chr13	26760232	26760232	+	1.243E-17	2.1539E-16	0.299779	hyper	sig	chr13_26760232
chr5	37835820	37835820	+	1.245E-17	2.1562E-16	0.256568	hyper	sig	chr5_37835820
chr13	38687597	38687597	+	1.245E-17	2.1574E-16	0.215345	hyper	sig	chr13_38687597
chr7	1.57E+08	157004427	+	1.247E-17	2.1601E-16	0.251689	hyper	sig	chr7_157004427
chr3	52482319	52482319	+	1.247E-17	2.1603E-16	0.260252	hyper	sig	chr3_52482319
chr17	81472325	81472325	+	1.249E-17	2.163E-16	0.28824	hyper	sig	chr17_81472325
chr19	1444963	1444963	+	1.249E-17	2.163E-16	0.257226	hyper	sig	chr19_1444963
chr2	2.4E+08	239504623	+	1.249E-17	2.1636E-16	-0.26469	hypo	sig	chr2_239504623
chr5	1.41E+08	141398846	+	1.25E-17	2.1642E-16	0.238777	hyper	sig	chr5_141398846
chr5	1.41E+08	141121798	+	1.25E-17	2.1649E-16	0.248995	hyper	sig	chr5_141121798
chr17	67246828	67246828	+	1.252E-17	2.1676E-16	-0.29636	hypo	sig	chr17_67246828
chr10	1.33E+08	132935107	+	1.252E-17	2.1684E-16	-0.40707	hypo	sig	chr10_132935107
chr12	1.21E+08	120649552	+	1.252E-17	2.1688E-16	0.2898	hyper	sig	chr12_120649552
chr4	7735034	7735034	+	1.252E-17	2.1688E-16	-0.29537	hypo	sig	chr4_7735034
chr1	98046352	98046352	+	1.253E-17	2.1691E-16	0.235842	hyper	sig	chr1_98046352
chr15	64840885	64840885	+	1.253E-17	2.1698E-16	0.320912	hyper	sig	chr15_64840885
chr10	75408465	75408465	+	1.254E-17	2.1707E-16	0.264634	hyper	sig	chr10_75408465
chr5	1.41E+08	141382665	+	1.254E-17	2.1715E-16	0.226809	hyper	sig	chr5_141382665
chr5	2755072	2755072	+	1.255E-17	2.1723E-16	0.343821	hyper	sig	chr5_2755072
chr1	1.48E+08	148318331	+	1.258E-17	2.1776E-16	0.359803	hyper	sig	chr1_148318331
chr19	4552545	4552545	+	1.258E-17	2.1784E-16	-0.26266	hypo	sig	chr19_4552545
chr3	1.82E+08	181710759	+	1.259E-17	2.1796E-16	0.298769	hyper	sig	chr3_181710759
chr12	1.01E+08	101209549	+	1.26E-17	2.1815E-16	0.319004	hyper	sig	chr12_101209549
chr20	4687442	4687442	+	1.26E-17	2.182E-16	0.375379	hyper	sig	chr20_4687442
chr6	31056348	31056348	+	1.261E-17	2.1824E-16	-0.20741	hypo	sig	chr6_31056348
chr5	1.41E+08	140830354	+	1.261E-17	2.1826E-16	0.298023	hyper	sig	chr5_140830354

chr6	3053458	3053458	+	1.261E-17	2.183E-16	-0.23012	hypo	sig	chr6_3053458
chr17	50468783	50468783	+	1.261E-17	2.1831E-16	0.282404	hyper	sig	chr17_50468783
chr8	1.2E+08	119673077	+	1.263E-17	2.1866E-16	0.246207	hyper	sig	chr8_119673077
chr14	1E+08	100076259	+	1.263E-17	2.187E-16	-0.26223	hypo	sig	chr14_100076259
chr10	45000291	45000291	+	1.264E-17	2.1883E-16	-0.23975	hypo	sig	chr10_45000291
chr8	1.3E+08	129629078	+	1.265E-17	2.1895E-16	-0.26762	hypo	sig	chr8_129629078
chr20	21521580	21521580	+	1.265E-17	2.1902E-16	0.305463	hyper	sig	chr20_21521580
chr11	614790	614790	+	1.266E-17	2.1917E-16	-0.30135	hypo	sig	chr11_614790
chr4	37666848	37666848	+	1.266E-17	2.1921E-16	-0.20724	hypo	sig	chr4_37666848
chr8	1.41E+08	141358265	+	1.267E-17	2.193E-16	0.252331	hyper	sig	chr8_141358265
chr6	4504039	4504039	+	1.268E-17	2.1947E-16	-0.26146	hypo	sig	chr6_4504039
chr3	1.43E+08	143121359	+	1.269E-17	2.1959E-16	0.253644	hyper	sig	chr3_143121359
chr10	80459654	80459654	+	1.269E-17	2.1968E-16	-0.26001	hypo	sig	chr10_80459654
chr5	1.35E+08	135327279	+	1.27E-17	2.1981E-16	0.235843	hyper	sig	chr5_135327279
chr8	1.44E+08	143567456	+	1.271E-17	2.1998E-16	0.362085	hyper	sig	chr8_143567456
chr11	8269291	8269291	+	1.273E-17	2.2037E-16	0.274784	hyper	sig	chr11_8269291
chr5	1.16E+08	115962260	+	1.274E-17	2.2051E-16	0.346626	hyper	sig	chr5_115962260
chr11	2264572	2264572	+	1.275E-17	2.2057E-16	-0.25872	hypo	sig	chr11_2264572
chr16	21302652	21302652	+	1.275E-17	2.206E-16	-0.2298	hypo	sig	chr16_21302652
chr3	1.28E+08	128279146	+	1.275E-17	2.2062E-16	0.345098	hyper	sig	chr3_128279146
chr19	57317775	57317775	+	1.276E-17	2.2076E-16	0.274509	hyper	sig	chr19_57317775
chr17	2360571	2360571	+	1.277E-17	2.2091E-16	-0.23347	hypo	sig	chr17_2360571
chr19	1466506	1466506	+	1.277E-17	2.2103E-16	0.325606	hyper	sig	chr19_1466506
chr2	31581097	31581097	+	1.278E-17	2.2118E-16	0.340493	hyper	sig	chr2_31581097
chr21	45286822	45286822	+	1.279E-17	2.2121E-16	0.264706	hyper	sig	chr21_45286822
chr5	3606379	3606379	+	1.279E-17	2.2123E-16	0.296947	hyper	sig	chr5_3606379
chr1	1.57E+08	156860481	+	1.281E-17	2.2171E-16	0.207882	hyper	sig	chr1_156860481
chr2	3595257	3595257	+	1.282E-17	2.2175E-16	0.261628	hyper	sig	chr2_3595257
chr6	99609324	99609324	+	1.286E-17	2.2244E-16	0.228895	hyper	sig	chr6_99609324
chr8	1.43E+08	142682039	+	1.288E-17	2.2275E-16	-0.25196	hypo	sig	chr8_142682039
chr13	1.13E+08	113051419	+	1.288E-17	2.2286E-16	0.327399	hyper	sig	chr13_113051419
chr4	61200707	61200707	+	1.289E-17	2.229E-16	0.344824	hyper	sig	chr4_61200707
chr1	1.55E+08	155211814	+	1.289E-17	2.2295E-16	0.255295	hyper	sig	chr1_155211814
chr11	1.29E+08	128876317	+	1.289E-17	2.23E-16	-0.21984	hypo	sig	chr11_128876317
chr2	95025240	95025240	+	1.29E-17	2.2308E-16	0.357698	hyper	sig	chr2_95025240
chr11	62547896	62547896	+	1.29E-17	2.2318E-16	0.217527	hyper	sig	chr11_62547896
chr3	1.39E+08	138939503	+	1.292E-17	2.235E-16	0.240902	hyper	sig	chr3_138939503
chr10	86970650	86970650	+	1.292E-17	2.2353E-16	0.234159	hyper	sig	chr10_86970650
chr7	79454527	79454527	+	1.293E-17	2.2366E-16	0.399476	hyper	sig	chr7_79454527
chr16	3183068	3183068	+	1.294E-17	2.2389E-16	0.242308	hyper	sig	chr16_3183068
chr7	63071032	63071032	+	1.295E-17	2.239E-16	-0.30781	hypo	sig	chr7_63071032
chr2	70907564	70907564	+	1.295E-17	2.2397E-16	0.229981	hyper	sig	chr2_70907564
chr13	25365953	25365953	+	1.298E-17	2.2443E-16	-0.2642	hypo	sig	chr13_25365953
chr1	36806305	36806305	+	1.3E-17	2.2477E-16	-0.27065	hypo	sig	chr1_36806305
chr5	37834778	37834778	+	1.302E-17	2.2519E-16	0.225028	hyper	sig	chr5_37834778
chr16	75116982	75116982	+	1.302E-17	2.252E-16	-0.25038	hypo	sig	chr16_75116982
chr19	45640969	45640969	+	1.303E-17	2.2528E-16	-0.32978	hypo	sig	chr19_45640969
chr22	46661492	46661492	+	1.303E-17	2.2529E-16	-0.30523	hypo	sig	chr22_46661492
chr7	26388485	26388485	+	1.304E-17	2.2543E-16	-0.25071	hypo	sig	chr7_26388485
chr11	92225998	92225998	+	1.304E-17	2.2547E-16	0.297374	hyper	sig	chr11_92225998
chr7	98865905	98865905	+	1.305E-17	2.2565E-16	-0.32596	hypo	sig	chr7_98865905
chr15	89371826	89371826	+	1.305E-17	2.2565E-16	0.264879	hyper	sig	chr15_89371826
chr5	3325456	3325456	+	1.305E-17	2.2565E-16	0.230502	hyper	sig	chr5_3325456
chr7	1.5E+08	149765761	+	1.305E-17	2.2566E-16	0.311263	hyper	sig	chr7_149765761
chr5	38258718	38258718	+	1.305E-17	2.2568E-16	0.22542	hyper	sig	chr5_38258718
chr7	1.56E+08	155509296	+	1.306E-17	2.2583E-16	0.293814	hyper	sig	chr7_155509296

chr9	36258974	36258974	+	1.307E-17	2.2588E-16	0.249898	hyper	sig	chr9_36258974
chr7	2527175	2527175	+	1.307E-17	2.2593E-16	-0.25999	hypo	sig	chr7_2527175
chr10	1.31E+08	131310999	+	1.308E-17	2.2615E-16	0.273475	hyper	sig	chr10_131310999
chr5	2739072	2739072	+	1.308E-17	2.2615E-16	0.247736	hyper	sig	chr5_2739072
chr5	1.47E+08	147480242	+	1.308E-17	2.2617E-16	-0.24423	hypo	sig	chr5_147480242
chr3	62319342	62319342	+	1.309E-17	2.2619E-16	0.26091	hyper	sig	chr3_62319342
chr1	34793256	34793256	+	1.31E-17	2.2649E-16	0.350995	hyper	sig	chr1_34793256
chr16	3950683	3950683	+	1.31E-17	2.2649E-16	-0.23563	hypo	sig	chr16_3950683
chr11	31801633	31801633	+	1.313E-17	2.2691E-16	0.21238	hyper	sig	chr11_31801633
chr3	1.47E+08	147378343	+	1.314E-17	2.2712E-16	0.2342	hyper	sig	chr3_147378343
chr17	82247516	82247516	+	1.314E-17	2.2716E-16	0.221928	hyper	sig	chr17_82247516
chr7	1.02E+08	102432079	+	1.316E-17	2.2739E-16	-0.21616	hypo	sig	chr7_102432079
chr15	52794879	52794879	+	1.316E-17	2.2753E-16	0.274098	hyper	sig	chr15_52794879
chr1	34163862	34163862	+	1.316E-17	2.2754E-16	0.208219	hyper	sig	chr1_34163862
chr17	9901757	9901757	+	1.317E-17	2.277E-16	-0.23956	hypo	sig	chr17_9901757
chr6	1.05E+08	104953054	+	1.318E-17	2.2776E-16	0.288304	hyper	sig	chr6_104953054
chr7	1383393	1383393	+	1.319E-17	2.2795E-16	-0.24648	hypo	sig	chr7_1383393
chr16	88939524	88939524	+	1.319E-17	2.2798E-16	-0.25566	hypo	sig	chr16_88939524
chr6	36285280	36285280	+	1.319E-17	2.2802E-16	0.272453	hyper	sig	chr6_36285280
chr12	56021518	56021518	+	1.32E-17	2.2808E-16	0.360662	hyper	sig	chr12_56021518
chr17	48552393	48552393	+	1.32E-17	2.2808E-16	0.326814	hyper	sig	chr17_48552393
chr5	1.41E+08	141332949	+	1.321E-17	2.2828E-16	0.262317	hyper	sig	chr5_141332949
chr3	56683770	56683770	+	1.321E-17	2.283E-16	-0.24671	hypo	sig	chr3_56683770
chr18	13826629	13826629	+	1.322E-17	2.2849E-16	-0.29162	hypo	sig	chr18_13826629
chr3	1.95E+08	194688106	+	1.323E-17	2.2855E-16	0.255394	hyper	sig	chr3_194688106
chr14	24311556	24311556	+	1.323E-17	2.2859E-16	0.252987	hyper	sig	chr14_24311556
chr2	1.39E+08	138897301	+	1.323E-17	2.2861E-16	-0.26095	hypo	sig	chr2_138897301
chr5	1.16E+08	115963357	+	1.325E-17	2.2887E-16	0.344459	hyper	sig	chr5_115963357
chr5	1667843	1667843	+	1.325E-17	2.2893E-16	0.255316	hyper	sig	chr5_1667843
chr1	2.18E+08	218347126	+	1.325E-17	2.2895E-16	0.278848	hyper	sig	chr1_218347126
chr7	1.58E+08	157706825	+	1.326E-17	2.2902E-16	-0.31299	hypo	sig	chr7_157706825
chr19	3179774	3179774	+	1.326E-17	2.2904E-16	-0.25296	hypo	sig	chr19_3179774
chr13	36674707	36674707	+	1.328E-17	2.2947E-16	0.237844	hyper	sig	chr13_36674707
chr1	10530431	10530431	+	1.329E-17	2.2953E-16	0.359535	hyper	sig	chr1_10530431
chr10	1.3E+08	129946196	+	1.329E-17	2.2953E-16	0.280907	hyper	sig	chr10_129946196
chr1	90719676	90719676	+	1.33E-17	2.2981E-16	0.356766	hyper	sig	chr1_90719676
chr6	98825127	98825127	+	1.332E-17	2.3013E-16	0.32757	hyper	sig	chr6_98825127
chr6	31728855	31728855	+	1.332E-17	2.3014E-16	0.315977	hyper	sig	chr6_31728855
chr17	81400703	81400703	+	1.333E-17	2.3027E-16	0.254963	hyper	sig	chr17_81400703
chr6	7987396	7987396	+	1.333E-17	2.3027E-16	-0.25015	hypo	sig	chr6_7987396
chr12	1.19E+08	118770429	+	1.333E-17	2.3028E-16	-0.30505	hypo	sig	chr12_118770429
chr7	79454762	79454762	+	1.336E-17	2.3072E-16	0.223131	hyper	sig	chr7_79454762
chr2	1.05E+08	104844942	+	1.337E-17	2.309E-16	0.282782	hyper	sig	chr2_104844942
chr7	2914255	2914255	+	1.337E-17	2.3095E-16	-0.23249	hypo	sig	chr7_2914255
chr15	52788068	52788068	+	1.338E-17	2.3107E-16	0.375176	hyper	sig	chr15_52788068
chr1	38818140	38818140	+	1.339E-17	2.3129E-16	0.377548	hyper	sig	chr1_38818140
chr10	23174442	23174442	+	1.339E-17	2.3129E-16	0.264652	hyper	sig	chr10_23174442
chr1	1217958	1217958	+	1.339E-17	2.3132E-16	-0.26935	hypo	sig	chr1_1217958
chr20	3408943	3408943	+	1.34E-17	2.3133E-16	0.239287	hyper	sig	chr20_3408943
chr2	1.15E+08	115162892	+	1.34E-17	2.3134E-16	0.276408	hyper	sig	chr2_115162892
chr17	299801	299801	+	1.34E-17	2.3138E-16	0.233136	hyper	sig	chr17_299801
chr17	77233681	77233681	+	1.342E-17	2.3165E-16	-0.26755	hypo	sig	chr17_77233681
chr17	81554083	81554083	+	1.342E-17	2.3168E-16	-0.27969	hypo	sig	chr17_81554083
chr7	30682513	30682513	+	1.343E-17	2.3185E-16	0.258716	hyper	sig	chr7_30682513
chr21	37006275	37006275	+	1.343E-17	2.3189E-16	0.308836	hyper	sig	chr21_37006275
chr3	38642136	38642136	+	1.344E-17	2.3199E-16	-0.27876	hypo	sig	chr3_38642136

chr9	94724836	94724836	+	1.344E-17	2.3201E-16	-0.30718	hypo	sig	chr9_94724836
chr8	13131801	13131801	+	1.344E-17	2.3207E-16	0.250462	hyper	sig	chr8_13131801
chr8	33721673	33721673	+	1.344E-17	2.3208E-16	-0.22335	hypo	sig	chr8_33721673
chr17	83075497	83075497	+	1.345E-17	2.3218E-16	-0.26307	hypo	sig	chr17_83075497
chr5	1.41E+08	141360342	+	1.346E-17	2.3238E-16	0.273764	hyper	sig	chr5_141360342
chr5	1.38E+08	138138997	+	1.346E-17	2.324E-16	0.29178	hyper	sig	chr5_138138997
chr15	89408579	89408579	+	1.347E-17	2.3247E-16	0.227139	hyper	sig	chr15_89408579
chr4	8370929	8370929	+	1.347E-17	2.3249E-16	0.217341	hyper	sig	chr4_8370929
chr22	39456775	39456775	+	1.348E-17	2.3271E-16	0.341083	hyper	sig	chr22_39456775
chr10	1.32E+08	131774161	+	1.349E-17	2.3287E-16	-0.21567	hypo	sig	chr10_131774161
chr20	62708507	62708507	+	1.349E-17	2.3289E-16	0.28761	hyper	sig	chr20_62708507
chr8	72250336	72250336	+	1.349E-17	2.3289E-16	-0.22432	hypo	sig	chr8_72250336
chr16	2088644	2088644	+	1.351E-17	2.3313E-16	0.260279	hyper	sig	chr16_2088644
chr1	1.19E+08	119005874	+	1.351E-17	2.3316E-16	0.326779	hyper	sig	chr1_119005874
chr1	6454517	6454517	+	1.351E-17	2.332E-16	0.248611	hyper	sig	chr1_6454517
chr15	64763106	64763106	+	1.351E-17	2.3325E-16	0.216863	hyper	sig	chr15_64763106
chr1	1.1E+08	110134235	+	1.352E-17	2.3328E-16	-0.22353	hypo	sig	chr1_110134235
chr19	53871586	53871586	+	1.352E-17	2.3329E-16	0.406829	hyper	sig	chr19_53871586
chr2	86789084	86789084	+	1.352E-17	2.3334E-16	0.258121	hyper	sig	chr2_86789084
chr16	62036461	62036461	+	1.352E-17	2.3338E-16	0.239104	hyper	sig	chr16_62036461
chr8	1.42E+08	141974121	+	1.352E-17	2.334E-16	-0.20364	hypo	sig	chr8_141974121
chr3	13071002	13071002	+	1.353E-17	2.3342E-16	-0.26973	hypo	sig	chr3_13071002
chr19	46468187	46468187	+	1.353E-17	2.3347E-16	-0.3322	hypo	sig	chr19_46468187
chr8	48541469	48541469	+	1.354E-17	2.3357E-16	-0.20467	hypo	sig	chr8_48541469
chr13	35471077	35471077	+	1.354E-17	2.3367E-16	0.209452	hyper	sig	chr13_35471077
chr13	95552866	95552866	+	1.356E-17	2.3393E-16	0.354973	hyper	sig	chr13_95552866
chr2	2.2E+08	219513037	+	1.356E-17	2.34E-16	-0.22191	hypo	sig	chr2_219513037
chr7	97732011	97732011	+	1.357E-17	2.3413E-16	0.211444	hyper	sig	chr7_97732011
chr8	1.42E+08	141760610	+	1.357E-17	2.3417E-16	-0.25121	hypo	sig	chr8_141760610
chr6	1E+08	100463825	+	1.358E-17	2.3431E-16	0.237352	hyper	sig	chr6_100463825
chr18	57428350	57428350	+	1.359E-17	2.3448E-16	0.356273	hyper	sig	chr18_57428350
chr19	9498507	9498507	+	1.359E-17	2.3454E-16	0.308363	hyper	sig	chr19_9498507
chr7	2729682	2729682	+	1.359E-17	2.3454E-16	0.36927	hyper	sig	chr7_2729682
chr16	22813228	22813228	+	1.361E-17	2.3475E-16	0.28841	hyper	sig	chr16_22813228
chr13	92290962	92290962	+	1.361E-17	2.3488E-16	-0.30441	hypo	sig	chr13_92290962
chr12	46831218	46831218	+	1.362E-17	2.3495E-16	0.306419	hyper	sig	chr12_46831218
chr1	37557109	37557109	+	1.363E-17	2.3508E-16	0.263315	hyper	sig	chr1_37557109
chr14	97219037	97219037	+	1.363E-17	2.351E-16	0.216255	hyper	sig	chr14_97219037
chr10	49613601	49613601	+	1.363E-17	2.3511E-16	0.304539	hyper	sig	chr10_49613601
chr5	1.41E+08	141245771	+	1.363E-17	2.3512E-16	0.299147	hyper	sig	chr5_141245771
chr4	1.74E+08	173528938	+	1.363E-17	2.3514E-16	0.328796	hyper	sig	chr4_173528938
chr5	1394518	1394518	+	1.365E-17	2.3547E-16	0.26275	hyper	sig	chr5_1394518
chr5	1.41E+08	141174233	+	1.365E-17	2.3552E-16	0.33275	hyper	sig	chr5_141174233
chr14	21087417	21087417	+	1.366E-17	2.3561E-16	0.300236	hyper	sig	chr14_21087417
chr2	1.92E+08	192194807	+	1.366E-17	2.3569E-16	0.3109	hyper	sig	chr2_192194807
chr11	75350794	75350794	+	1.367E-17	2.3576E-16	0.355564	hyper	sig	chr11_75350794
chr3	1.25E+08	124791802	+	1.367E-17	2.358E-16	0.252721	hyper	sig	chr3_124791802
chr16	51156154	51156154	+	1.367E-17	2.3582E-16	0.264848	hyper	sig	chr16_51156154
chr9	1.19E+08	119369766	+	1.368E-17	2.3585E-16	0.275461	hyper	sig	chr9_119369766
chr8	26046324	26046324	+	1.368E-17	2.3587E-16	0.206428	hyper	sig	chr8_26046324
chr7	1.56E+08	155861548	+	1.369E-17	2.3601E-16	-0.27307	hypo	sig	chr7_155861548
chr7	73833275	73833275	+	1.369E-17	2.3617E-16	-0.31762	hypo	sig	chr7_73833275
chr8	25001504	25001504	+	1.369E-17	2.3617E-16	0.263754	hyper	sig	chr8_25001504
chr6	1.67E+08	166861907	+	1.37E-17	2.3622E-16	0.272772	hyper	sig	chr6_166861907
chr16	3012596	3012596	+	1.373E-17	2.3667E-16	0.255519	hyper	sig	chr16_3012596
chr12	52233034	52233034	+	1.374E-17	2.3684E-16	0.379815	hyper	sig	chr12_52233034

chr12	1.1E+08	109833643	+	1.374E-17	2.3686E-16	0.336436	hyper	sig	chr12_109833643
chr16	86504508	86504508	+	1.374E-17	2.3686E-16	0.254725	hyper	sig	chr16_86504508
chr19	39402161	39402161	+	1.374E-17	2.3696E-16	-0.21504	hypo	sig	chr19_39402161
chr5	1.8E+08	180388996	+	1.375E-17	2.3707E-16	-0.26884	hypo	sig	chr5_180388996
chr5	1.41E+08	141384945	+	1.376E-17	2.3716E-16	0.267744	hyper	sig	chr5_141384945
chr1	1.58E+08	158181528	+	1.377E-17	2.374E-16	0.262446	hyper	sig	chr1_158181528
chr16	53542310	53542310	+	1.378E-17	2.3756E-16	-0.2759	hypo	sig	chr16_53542310
chr16	86565550	86565550	+	1.378E-17	2.376E-16	0.285922	hyper	sig	chr16_86565550
chr11	92224418	92224418	+	1.378E-17	2.3763E-16	0.205502	hyper	sig	chr11_92224418
chr16	86511226	86511226	+	1.379E-17	2.3774E-16	0.237107	hyper	sig	chr16_86511226
chr1	9239929	9239929	+	1.38E-17	2.3781E-16	-0.33955	hypo	sig	chr1_9239929
chr8	1.44E+08	143734580	+	1.381E-17	2.3805E-16	-0.29314	hypo	sig	chr8_143734580
chr2	2.36E+08	235539148	+	1.381E-17	2.3805E-16	-0.23767	hypo	sig	chr2_235539148
chr3	1.97E+08	196660588	+	1.381E-17	2.3807E-16	-0.37021	hypo	sig	chr3_196660588
chr5	7396796	7396796	+	1.382E-17	2.3814E-16	0.245162	hyper	sig	chr5_7396796
chr3	46464884	46464884	+	1.382E-17	2.3824E-16	0.275267	hyper	sig	chr3_46464884
chr17	35089843	35089843	+	1.382E-17	2.3825E-16	-0.2279	hypo	sig	chr17_35089843
chr8	84182733	84182733	+	1.383E-17	2.3833E-16	0.298765	hyper	sig	chr8_84182733
chr6	1.69E+08	169490301	+	1.383E-17	2.3833E-16	0.228607	hyper	sig	chr6_169490301
chr7	2733464	2733464	+	1.384E-17	2.3846E-16	-0.20982	hypo	sig	chr7_2733464
chr17	8316080	8316080	+	1.384E-17	2.3858E-16	0.381242	hyper	sig	chr17_8316080
chr22	20205023	20205023	+	1.385E-17	2.3871E-16	0.299107	hyper	sig	chr22_20205023
chr21	45448027	45448027	+	1.385E-17	2.3871E-16	-0.3254	hypo	sig	chr21_45448027
chr13	78594468	78594468	+	1.386E-17	2.3879E-16	0.236157	hyper	sig	chr13_78594468
chr10	1E+08	100288380	+	1.386E-17	2.3885E-16	-0.23253	hypo	sig	chr10_100288380
chr1	22659407	22659407	+	1.387E-17	2.3893E-16	-0.29154	hypo	sig	chr1_22659407
chr2	46827841	46827841	+	1.387E-17	2.3896E-16	-0.22273	hypo	sig	chr2_46827841
chr16	913219	913219	+	1.388E-17	2.3921E-16	0.299283	hyper	sig	chr16_913219
chr8	55939683	55939683	+	1.388E-17	2.3924E-16	0.239389	hyper	sig	chr8_55939683
chr7	30681902	30681902	+	1.389E-17	2.3924E-16	0.301028	hyper	sig	chr7_30681902
chr11	66049107	66049107	+	1.39E-17	2.3949E-16	0.292056	hyper	sig	chr11_66049107
chr1	50048647	50048647	+	1.39E-17	2.3951E-16	0.317353	hyper	sig	chr1_50048647
chr10	1.04E+08	103605843	+	1.391E-17	2.396E-16	0.263199	hyper	sig	chr10_103605843
chr2	2.07E+08	206642331	+	1.392E-17	2.3989E-16	0.299771	hyper	sig	chr2_206642331
chr2	2.19E+08	219451693	+	1.393E-17	2.3996E-16	0.270141	hyper	sig	chr2_219451693
chr12	1.1E+08	110469855	+	1.393E-17	2.4006E-16	-0.28819	hypo	sig	chr12_110469855
chr5	1.35E+08	135038971	+	1.394E-17	2.4008E-16	0.418245	hyper	sig	chr5_135038971
chr20	23630198	23630198	+	1.396E-17	2.4046E-16	-0.33059	hypo	sig	chr20_23630198
chr12	47811676	47811676	+	1.396E-17	2.4049E-16	0.237202	hyper	sig	chr12_47811676
chr4	5890590	5890590	+	1.396E-17	2.4049E-16	0.303829	hyper	sig	chr4_5890590
chr13	1.13E+08	112638390	+	1.397E-17	2.4068E-16	-0.34565	hypo	sig	chr13_112638390
chr1	2892332	2892332	+	1.398E-17	2.4077E-16	0.255455	hyper	sig	chr1_2892332
chr7	1.3E+08	130491674	+	1.398E-17	2.4079E-16	0.28025	hyper	sig	chr7_130491674
chr10	1.29E+08	128715867	+	1.399E-17	2.4089E-16	-0.33634	hypo	sig	chr10_128715867
chr19	39415856	39415856	+	1.399E-17	2.4098E-16	0.21494	hyper	sig	chr19_39415856
chr3	1.38E+08	138097742	+	1.4E-17	2.4116E-16	-0.30104	hypo	sig	chr3_138097742
chr16	1429521	1429521	+	1.4E-17	2.4117E-16	-0.23278	hypo	sig	chr16_1429521
chr1	27555092	27555092	+	1.401E-17	2.4122E-16	0.241501	hyper	sig	chr1_27555092
chr11	94545732	94545732	+	1.401E-17	2.4124E-16	-0.27369	hypo	sig	chr11_94545732
chr1	90724417	90724417	+	1.401E-17	2.4124E-16	0.299762	hyper	sig	chr1_90724417
chr19	18878117	18878117	+	1.401E-17	2.4131E-16	-0.30081	hypo	sig	chr19_18878117
chr3	42264674	42264674	+	1.401E-17	2.4134E-16	0.232693	hyper	sig	chr3_42264674
chr17	63437432	63437432	+	1.403E-17	2.4157E-16	0.260911	hyper	sig	chr17_63437432
chr4	1533994	1533994	+	1.403E-17	2.4166E-16	0.284101	hyper	sig	chr4_1533994
chr10	84198673	84198673	+	1.405E-17	2.4199E-16	-0.24998	hypo	sig	chr10_84198673
chr2	2.28E+08	228181825	+	1.406E-17	2.4213E-16	0.333976	hyper	sig	chr2_228181825

chr2	2.31E+08	230868701	+	1.406E-17	2.4215E-16	0.310125	hyper	sig	chr2_230868701
chr14	97219552	97219552	+	1.407E-17	2.4219E-16	0.223285	hyper	sig	chr14_97219552
chr11	32428890	32428890	+	1.409E-17	2.4263E-16	0.403509	hyper	sig	chr11_32428890
chr2	1.13E+08	113275976	+	1.411E-17	2.4286E-16	0.262435	hyper	sig	chr2_113275976
chr7	1.51E+08	151082276	+	1.412E-17	2.4318E-16	-0.23689	hypo	sig	chr7_151082276
chr11	1.12E+08	111976889	+	1.412E-17	2.4319E-16	0.374914	hyper	sig	chr11_111976889
chr5	1.41E+08	141330958	+	1.413E-17	2.4324E-16	0.226731	hyper	sig	chr5_141330958
chr13	42562858	42562858	+	1.413E-17	2.4328E-16	-0.31074	hypo	sig	chr13_42562858
chr6	40595905	40595905	+	1.415E-17	2.4359E-16	-0.29676	hypo	sig	chr6_40595905
chr17	48734108	48734108	+	1.417E-17	2.4387E-16	0.223674	hyper	sig	chr17_48734108
chr20	23346170	23346170	+	1.417E-17	2.4392E-16	-0.24717	hypo	sig	chr20_23346170
chr10	62818371	62818371	+	1.417E-17	2.4392E-16	0.226741	hyper	sig	chr10_62818371
chr15	28832380	28832380	+	1.417E-17	2.44E-16	0.220872	hyper	sig	chr15_28832380
chr20	44356332	44356332	+	1.419E-17	2.4419E-16	-0.40039	hypo	sig	chr20_44356332
chr1	1.44E+08	143675633	+	1.419E-17	2.4427E-16	0.31571	hyper	sig	chr1_143675633
chr3	1.38E+08	137772035	+	1.42E-17	2.4438E-16	0.206724	hyper	sig	chr3_137772035
chr8	96159386	96159386	+	1.42E-17	2.4449E-16	0.303877	hyper	sig	chr8_96159386
chr8	53877032	53877032	+	1.422E-17	2.4478E-16	0.345791	hyper	sig	chr8_53877032
chr16	1258210	1258210	+	1.423E-17	2.4492E-16	-0.31404	hypo	sig	chr16_1258210
chr7	2063670	2063670	+	1.423E-17	2.4501E-16	-0.20618	hypo	sig	chr7_2063670
chr6	28091011	28091011	+	1.424E-17	2.4507E-16	0.279273	hyper	sig	chr6_28091011
chr8	71843578	71843578	+	1.424E-17	2.4509E-16	0.267182	hyper	sig	chr8_71843578
chr12	52601506	52601506	+	1.426E-17	2.4545E-16	0.263788	hyper	sig	chr12_52601506
chr7	55346635	55346635	+	1.426E-17	2.4545E-16	-0.2791	hypo	sig	chr7_55346635
chr8	1.42E+08	142173151	+	1.426E-17	2.4545E-16	-0.24849	hypo	sig	chr8_142173151
chr17	52159103	52159103	+	1.427E-17	2.4552E-16	0.266941	hyper	sig	chr17_52159103
chr6	1625309	1625309	+	1.429E-17	2.4588E-16	0.272631	hyper	sig	chr6_1625309
chr5	1.74E+08	174311109	+	1.43E-17	2.4599E-16	-0.35257	hypo	sig	chr5_174311109
chr4	1.47E+08	146637338	+	1.43E-17	2.4604E-16	0.326184	hyper	sig	chr4_146637338
chr2	1.27E+08	127025173	+	1.43E-17	2.4606E-16	0.218416	hyper	sig	chr2_127025173
chr13	40188108	40188108	+	1.43E-17	2.4609E-16	-0.27222	hypo	sig	chr13_40188108
chr12	80400828	80400828	+	1.431E-17	2.4623E-16	0.2615	hyper	sig	chr12_80400828
chr2	1E+08	100321109	+	1.431E-17	2.4624E-16	0.268812	hyper	sig	chr2_100321109
chr18	26865170	26865170	+	1.432E-17	2.4633E-16	-0.2505	hypo	sig	chr18_26865170
chr14	1.01E+08	101456919	+	1.432E-17	2.4643E-16	0.276608	hyper	sig	chr14_101456919
chr3	42265533	42265533	+	1.434E-17	2.4677E-16	0.390603	hyper	sig	chr3_42265533
chr7	1.01E+08	101200779	+	1.435E-17	2.4692E-16	-0.3057	hypo	sig	chr7_101200779
chr1	63320266	63320266	+	1.437E-17	2.4724E-16	0.24407	hyper	sig	chr1_63320266
chr14	99749086	99749086	+	1.437E-17	2.4724E-16	-0.24642	hypo	sig	chr14_99749086
chr10	48685378	48685378	+	1.438E-17	2.4729E-16	-0.23626	hypo	sig	chr10_48685378
chr1	18857462	18857462	+	1.438E-17	2.4735E-16	-0.26418	hypo	sig	chr1_18857462
chr2	2.22E+08	222311970	+	1.438E-17	2.4739E-16	0.21161	hyper	sig	chr2_222311970
chr6	1E+08	100448156	+	1.438E-17	2.4742E-16	0.332105	hyper	sig	chr6_100448156
chr19	11165833	11165833	+	1.439E-17	2.4751E-16	0.316303	hyper	sig	chr19_11165833
chr1	1.15E+08	114854831	+	1.439E-17	2.4752E-16	0.246798	hyper	sig	chr1_114854831
chr7	118896	118896	+	1.439E-17	2.4752E-16	-0.25649	hypo	sig	chr7_118896
chr9	98944387	98944387	+	1.439E-17	2.4755E-16	0.239606	hyper	sig	chr9_98944387
chr15	37097308	37097308	+	1.44E-17	2.4763E-16	0.268626	hyper	sig	chr15_37097308
chr5	1.81E+08	180644816	+	1.44E-17	2.4773E-16	-0.24929	hypo	sig	chr5_180644816
chr2	2.19E+08	219448696	+	1.441E-17	2.4791E-16	0.333013	hyper	sig	chr2_219448696
chr19	53521235	53521235	+	1.442E-17	2.4793E-16	0.257333	hyper	sig	chr19_53521235
chr5	1.33E+08	132771728	+	1.442E-17	2.4795E-16	0.283336	hyper	sig	chr5_132771728
chr16	1146717	1146717	+	1.442E-17	2.4799E-16	-0.32936	hypo	sig	chr16_1146717
chr12	2634008	2634008	+	1.443E-17	2.4818E-16	-0.27165	hypo	sig	chr12_2634008
chr7	66641042	66641042	+	1.443E-17	2.4819E-16	-0.26476	hypo	sig	chr7_66641042
chr7	1.29E+08	128783168	+	1.444E-17	2.4827E-16	0.31765	hyper	sig	chr7_128783168

chr16	89248011	89248011	+	1.446E-17	2.4861E-16	0.310664	hyper	sig	chr16_89248011
chr5	1.79E+08	179349196	+	1.447E-17	2.4876E-16	-0.29127	hypo	sig	chr5_179349196
chr1	75131793	75131793	+	1.447E-17	2.4889E-16	0.251611	hyper	sig	chr1_75131793
chr15	83284022	83284022	+	1.45E-17	2.4927E-16	0.291442	hyper	sig	chr15_83284022
chr11	2265558	2265558	+	1.451E-17	2.4953E-16	-0.22979	hypo	sig	chr11_2265558
chr2	88348114	88348114	+	1.451E-17	2.4954E-16	-0.2597	hypo	sig	chr2_88348114
chr20	63069014	63069014	+	1.452E-17	2.4958E-16	-0.3438	hypo	sig	chr20_63069014
chr6	41164085	41164085	+	1.452E-17	2.4958E-16	-0.29133	hypo	sig	chr6_41164085
chr22	50017364	50017364	+	1.452E-17	2.4967E-16	-0.24687	hypo	sig	chr22_50017364
chr7	91267355	91267355	+	1.453E-17	2.4974E-16	0.381607	hyper	sig	chr7_91267355
chr1	90835952	90835952	+	1.453E-17	2.4974E-16	0.339573	hyper	sig	chr1_90835952
chr17	16379096	16379096	+	1.453E-17	2.4977E-16	-0.22393	hypo	sig	chr17_16379096
chr7	82442778	82442778	+	1.453E-17	2.4977E-16	0.210194	hyper	sig	chr7_82442778
chr11	8914874	8914874	+	1.454E-17	2.4989E-16	0.343769	hyper	sig	chr11_8914874
chr10	84244948	84244948	+	1.454E-17	2.4989E-16	-0.25715	hypo	sig	chr10_84244948
chr22	49671196	49671196	+	1.454E-17	2.4995E-16	0.242757	hyper	sig	chr22_49671196
chr11	704933	704933	+	1.455E-17	2.5003E-16	-0.26813	hypo	sig	chr11_704933
chr11	1.33E+08	132938902	+	1.455E-17	2.5007E-16	-0.30807	hypo	sig	chr11_132938902
chr20	62740120	62740120	+	1.456E-17	2.5019E-16	-0.27473	hypo	sig	chr20_62740120
chr12	1.19E+08	118774514	+	1.457E-17	2.5034E-16	0.253115	hyper	sig	chr12_118774514
chr5	1.81E+08	180684776	+	1.46E-17	2.5091E-16	-0.26336	hypo	sig	chr5_180684776
chr8	694532	694532	+	1.46E-17	2.5096E-16	-0.23597	hypo	sig	chr8_694532
chr2	1.54E+08	153872000	+	1.462E-17	2.512E-16	0.207942	hyper	sig	chr2_153872000
chr17	78971734	78971734	+	1.463E-17	2.5133E-16	0.233244	hyper	sig	chr17_78971734
chr2	1.49E+08	148876131	+	1.463E-17	2.5138E-16	0.212346	hyper	sig	chr2_148876131
chr11	66049050	66049050	+	1.463E-17	2.514E-16	0.300669	hyper	sig	chr11_66049050
chr2	7032178	7032178	+	1.465E-17	2.5169E-16	-0.28421	hypo	sig	chr2_7032178
chr2	12718986	12718986	+	1.467E-17	2.521E-16	0.271531	hyper	sig	chr2_12718986
chr4	47425916	47425916	+	1.468E-17	2.5225E-16	-0.2961	hypo	sig	chr4_47425916
chr20	21520763	21520763	+	1.468E-17	2.5226E-16	0.356863	hyper	sig	chr20_21520763
chr1	75130451	75130451	+	1.469E-17	2.5232E-16	0.244437	hyper	sig	chr1_75130451
chr2	3169479	3169479	+	1.47E-17	2.5249E-16	0.225452	hyper	sig	chr2_3169479
chr20	63479887	63479887	+	1.47E-17	2.5249E-16	-0.25328	hypo	sig	chr20_63479887
chr12	1.31E+08	131057446	+	1.47E-17	2.5255E-16	-0.26787	hypo	sig	chr12_131057446
chr3	42264658	42264658	+	1.47E-17	2.5258E-16	0.228665	hyper	sig	chr3_42264658
chr1	2922761	2922761	+	1.471E-17	2.5273E-16	-0.27262	hypo	sig	chr1_2922761
chr12	3336582	3336582	+	1.473E-17	2.5296E-16	0.254442	hyper	sig	chr12_3336582
chr2	1.87E+08	186849194	+	1.473E-17	2.5298E-16	0.223494	hyper	sig	chr2_186849194
chr16	268659	268659	+	1.473E-17	2.531E-16	-0.37051	hypo	sig	chr16_268659
chr1	1.51E+08	150549884	+	1.474E-17	2.5316E-16	0.257806	hyper	sig	chr1_150549884
chr11	16610541	16610541	+	1.475E-17	2.5327E-16	0.249577	hyper	sig	chr11_16610541
chr10	84237480	84237480	+	1.475E-17	2.533E-16	0.274962	hyper	sig	chr10_84237480
chr19	55432832	55432832	+	1.476E-17	2.5344E-16	-0.24893	hypo	sig	chr19_55432832
chr9	19128813	19128813	+	1.478E-17	2.5384E-16	0.235469	hyper	sig	chr9_19128813
chr8	48923432	48923432	+	1.478E-17	2.5387E-16	-0.33806	hypo	sig	chr8_48923432
chr15	77629780	77629780	+	1.478E-17	2.5387E-16	-0.31508	hypo	sig	chr15_77629780
chr22	16602530	16602530	+	1.479E-17	2.5395E-16	0.256046	hyper	sig	chr22_16602530
chr2	2.31E+08	230870719	+	1.48E-17	2.5422E-16	0.281711	hyper	sig	chr2_230870719
chr14	47675858	47675858	+	1.483E-17	2.5472E-16	0.265968	hyper	sig	chr14_47675858
chr2	25169042	25169042	+	1.485E-17	2.551E-16	-0.27479	hypo	sig	chr2_25169042
chr3	13282202	13282202	+	1.486E-17	2.5524E-16	0.351514	hyper	sig	chr3_13282202
chr22	50548812	50548812	+	1.49E-17	2.5587E-16	0.207912	hyper	sig	chr22_50548812
chr6	1.66E+08	165658569	+	1.491E-17	2.5609E-16	-0.28003	hypo	sig	chr6_165658569
chr1	54273503	54273503	+	1.493E-17	2.563E-16	0.314565	hyper	sig	chr1_54273503
chr4	1.35E+08	134952661	+	1.494E-17	2.5658E-16	-0.30779	hypo	sig	chr4_134952661
chr4	3263567	3263567	+	1.495E-17	2.5664E-16	-0.29309	hypo	sig	chr4_3263567

chr7	72969656	72969656	+	1.496E-17	2.5684E-16	0.381506	hyper	sig	chr7_72969656
chr8	1.03E+08	103140522	+	1.496E-17	2.569E-16	0.356598	hyper	sig	chr8_103140522
chr14	91400446	91400446	+	1.498E-17	2.5724E-16	-0.25437	hypo	sig	chr14_91400446
chr19	3179743	3179743	+	1.499E-17	2.5739E-16	-0.27615	hypo	sig	chr19_3179743
chr10	22345676	22345676	+	1.5E-17	2.575E-16	0.359762	hyper	sig	chr10_22345676
chr6	27260450	27260450	+	1.502E-17	2.5784E-16	0.249655	hyper	sig	chr6_27260450
chr5	3198061	3198061	+	1.504E-17	2.5815E-16	0.287314	hyper	sig	chr5_3198061
chr2	2.35E+08	235027071	+	1.506E-17	2.5856E-16	-0.27934	hypo	sig	chr2_235027071
chr12	6620422	6620422	+	1.507E-17	2.5863E-16	0.310932	hyper	sig	chr12_6620422
chr7	1.55E+08	155451468	+	1.508E-17	2.5892E-16	0.206665	hyper	sig	chr7_155451468
chr1	1.19E+08	118979361	+	1.509E-17	2.5907E-16	0.247741	hyper	sig	chr1_118979361
chr9	1.37E+08	136902114	+	1.51E-17	2.5924E-16	-0.25003	hypo	sig	chr9_136902114
chr19	49196622	49196622	+	1.51E-17	2.5925E-16	0.355484	hyper	sig	chr19_49196622
chr3	1.72E+08	172449824	+	1.512E-17	2.5944E-16	0.263636	hyper	sig	chr3_172449824
chr6	1.7E+08	169801586	+	1.513E-17	2.5971E-16	-0.25312	hypo	sig	chr6_169801586
chr17	48542012	48542012	+	1.513E-17	2.5973E-16	0.32117	hyper	sig	chr17_48542012
chr13	50132527	50132527	+	1.513E-17	2.5976E-16	0.232718	hyper	sig	chr13_50132527
chr10	1.33E+08	132786485	+	1.514E-17	2.5983E-16	0.223296	hyper	sig	chr10_132786485
chr7	1.59E+08	159144056	+	1.515E-17	2.6005E-16	0.298181	hyper	sig	chr7_159144056
chr8	41768050	41768050	+	1.516E-17	2.6016E-16	0.236783	hyper	sig	chr8_41768050
chr11	20208586	20208586	+	1.516E-17	2.6019E-16	0.236029	hyper	sig	chr11_20208586
chr7	64942731	64942731	+	1.517E-17	2.6034E-16	0.282753	hyper	sig	chr7_64942731
chr1	3650853	3650853	+	1.517E-17	2.6034E-16	0.294236	hyper	sig	chr1_3650853
chr11	1165705	1165705	+	1.521E-17	2.6094E-16	-0.27197	hypo	sig	chr11_1165705
chr16	81493974	81493974	+	1.523E-17	2.6129E-16	-0.27163	hypo	sig	chr16_81493974
chr5	64507023	64507023	+	1.526E-17	2.6176E-16	0.217866	hyper	sig	chr5_64507023
chr5	1.5E+08	150167367	+	1.526E-17	2.618E-16	-0.27302	hypo	sig	chr5_150167367
chr8	84184556	84184556	+	1.527E-17	2.6196E-16	0.453852	hyper	sig	chr8_84184556
chr5	42971315	42971315	+	1.528E-17	2.6223E-16	0.213788	hyper	sig	chr5_42971315
chr1	75131127	75131127	+	1.532E-17	2.628E-16	0.20268	hyper	sig	chr1_75131127
chr11	8168705	8168705	+	1.532E-17	2.6281E-16	0.209975	hyper	sig	chr11_8168705
chr22	19126442	19126442	+	1.533E-17	2.6297E-16	-0.26494	hypo	sig	chr22_19126442
chr12	213348	213348	+	1.533E-17	2.63E-16	-0.27508	hypo	sig	chr12_213348
chr2	1.92E+08	191881574	+	1.533E-17	2.6302E-16	-0.23191	hypo	sig	chr2_191881574
chr1	1419876	1419876	+	1.535E-17	2.6328E-16	0.311491	hyper	sig	chr1_1419876
chr9	1.37E+08	137138912	+	1.535E-17	2.633E-16	0.273061	hyper	sig	chr9_137138912
chr11	67044734	67044734	+	1.536E-17	2.634E-16	-0.33435	hypo	sig	chr11_67044734
chr1	2.36E+08	235642840	+	1.536E-17	2.6355E-16	-0.32637	hypo	sig	chr1_235642840
chr14	36514288	36514288	+	1.537E-17	2.6366E-16	0.268743	hyper	sig	chr14_36514288
chr12	1.06E+08	106139994	+	1.537E-17	2.6368E-16	0.267263	hyper	sig	chr12_106139994
chr8	67952338	67952338	+	1.538E-17	2.6378E-16	0.344051	hyper	sig	chr8_67952338
chr12	3493199	3493199	+	1.539E-17	2.6394E-16	0.242871	hyper	sig	chr12_3493199
chr14	67541946	67541946	+	1.54E-17	2.6417E-16	-0.20057	hypo	sig	chr14_67541946
chr6	32069087	32069087	+	1.541E-17	2.6421E-16	-0.23249	hypo	sig	chr6_32069087
chr8	74984608	74984608	+	1.541E-17	2.6422E-16	0.255336	hyper	sig	chr8_74984608
chr3	44022276	44022276	+	1.541E-17	2.643E-16	0.224543	hyper	sig	chr3_44022276
chr20	9507056	9507056	+	1.542E-17	2.6446E-16	0.248837	hyper	sig	chr20_9507056
chr19	51949194	51949194	+	1.542E-17	2.6447E-16	0.253559	hyper	sig	chr19_51949194
chr3	1.54E+08	154122688	+	1.543E-17	2.6461E-16	0.249322	hyper	sig	chr3_154122688
chr5	77638842	77638842	+	1.543E-17	2.6465E-16	0.274528	hyper	sig	chr5_77638842
chr12	63150098	63150098	+	1.544E-17	2.647E-16	0.289682	hyper	sig	chr12_63150098
chr1	3033069	3033069	+	1.545E-17	2.6486E-16	-0.42415	hypo	sig	chr1_3033069
chr1	2.28E+08	227759620	+	1.547E-17	2.6531E-16	0.276204	hyper	sig	chr1_227759620
chr8	64586514	64586514	+	1.548E-17	2.6536E-16	0.225558	hyper	sig	chr8_64586514
chr5	3606450	3606450	+	1.551E-17	2.6584E-16	0.292375	hyper	sig	chr5_3606450
chr7	1.51E+08	151430037	+	1.551E-17	2.6587E-16	-0.2119	hypo	sig	chr7_151430037

chr11	69449916	69449916	+	1.551E-17	2.6589E-16	-0.28548	hypo	sig	chr11_69449916
chr2	21044075	21044075	+	1.551E-17	2.6591E-16	-0.26273	hypo	sig	chr2_21044075
chr1	1.83E+08	183186509	+	1.551E-17	2.6591E-16	-0.24544	hypo	sig	chr1_183186509
chr6	41638193	41638193	+	1.551E-17	2.6597E-16	0.327301	hyper	sig	chr6_41638193
chr6	32062383	32062383	+	1.552E-17	2.66E-16	-0.24152	hypo	sig	chr6_32062383
chr20	45297874	45297874	+	1.554E-17	2.6633E-16	-0.40039	hypo	sig	chr20_45297874
chr14	74616792	74616792	+	1.555E-17	2.6649E-16	-0.31756	hypo	sig	chr14_74616792
chr1	2.03E+08	203027047	+	1.555E-17	2.6658E-16	0.319636	hyper	sig	chr1_203027047
chr8	1707653	1707653	+	1.555E-17	2.6661E-16	-0.30269	hypo	sig	chr8_1707653
chr8	1.43E+08	142510442	+	1.555E-17	2.6661E-16	0.289805	hyper	sig	chr8_142510442
chr16	3183845	3183845	+	1.557E-17	2.6683E-16	0.227343	hyper	sig	chr16_3183845
chr5	1794103	1794103	+	1.557E-17	2.6685E-16	-0.20733	hypo	sig	chr5_1794103
chr5	42924249	42924249	+	1.558E-17	2.6697E-16	0.2637	hyper	sig	chr5_42924249
chr16	761031	761031	+	1.562E-17	2.6775E-16	-0.25266	hypo	sig	chr16_761031
chr2	89611948	89611948	+	1.563E-17	2.6793E-16	0.298028	hyper	sig	chr2_89611948
chr1	1.1E+08	110069839	+	1.564E-17	2.6798E-16	0.289194	hyper	sig	chr1_110069839
chr5	1.41E+08	141419533	+	1.565E-17	2.6818E-16	0.342043	hyper	sig	chr5_141419533
chr2	1.6E+08	160479426	+	1.567E-17	2.6848E-16	-0.24835	hypo	sig	chr2_160479426
chr1	16938987	16938987	+	1.568E-17	2.6879E-16	0.246328	hyper	sig	chr1_16938987
chr1	2.35E+08	234522721	+	1.569E-17	2.689E-16	-0.23978	hypo	sig	chr1_234522721
chr10	99329343	99329343	+	1.57E-17	2.69E-16	0.22962	hyper	sig	chr10_99329343
chr7	4707639	4707639	+	1.57E-17	2.6909E-16	0.248031	hyper	sig	chr7_4707639
chr8	10333492	10333492	+	1.571E-17	2.6914E-16	-0.26579	hypo	sig	chr8_10333492
chr8	1510424	1510424	+	1.573E-17	2.6948E-16	-0.31399	hypo	sig	chr8_1510424
chr2	1.05E+08	104842677	+	1.573E-17	2.695E-16	0.379521	hyper	sig	chr2_104842677
chr7	94664695	94664695	+	1.574E-17	2.697E-16	-0.33741	hypo	sig	chr7_94664695
chr1	2073757	2073757	+	1.575E-17	2.6982E-16	0.322674	hyper	sig	chr1_2073757
chr8	64378335	64378335	+	1.575E-17	2.6985E-16	0.338009	hyper	sig	chr8_64378335
chr13	1.12E+08	112216080	+	1.576E-17	2.7007E-16	-0.28897	hypo	sig	chr13_112216080
chr13	1.12E+08	111857446	+	1.577E-17	2.7025E-16	-0.25888	hypo	sig	chr13_111857446
chr7	2763043	2763043	+	1.577E-17	2.7025E-16	0.275141	hyper	sig	chr7_2763043
chr2	2.19E+08	219355075	+	1.578E-17	2.7027E-16	-0.31623	hypo	sig	chr2_219355075
chr9	33750287	33750287	+	1.578E-17	2.7031E-16	-0.27149	hypo	sig	chr9_33750287
chr9	1.31E+08	130662824	+	1.578E-17	2.7031E-16	0.276901	hyper	sig	chr9_130662824
chr15	74955735	74955735	+	1.578E-17	2.7035E-16	-0.28076	hypo	sig	chr15_74955735
chr2	96144280	96144280	+	1.58E-17	2.7066E-16	-0.26353	hypo	sig	chr2_96144280
chr1	2.03E+08	203087069	+	1.58E-17	2.7068E-16	-0.30915	hypo	sig	chr1_203087069
chr5	1290379	1290379	+	1.58E-17	2.7069E-16	-0.30416	hypo	sig	chr5_1290379
chr1	90717090	90717090	+	1.581E-17	2.7074E-16	0.300579	hyper	sig	chr1_90717090
chr2	2.19E+08	219448712	+	1.581E-17	2.708E-16	0.348464	hyper	sig	chr2_219448712
chr2	1.21E+08	120750616	+	1.584E-17	2.7134E-16	-0.31323	hypo	sig	chr2_120750616
chr17	45144891	45144891	+	1.585E-17	2.7138E-16	0.241121	hyper	sig	chr17_45144891
chr3	62369336	62369336	+	1.585E-17	2.7146E-16	0.26504	hyper	sig	chr3_62369336
chr8	23714218	23714218	+	1.586E-17	2.7155E-16	0.290206	hyper	sig	chr8_23714218
chr7	1.58E+08	157576174	+	1.587E-17	2.718E-16	-0.22323	hypo	sig	chr7_157576174
chr4	41880578	41880578	+	1.587E-17	2.7183E-16	0.223267	hyper	sig	chr4_41880578
chr2	2.19E+08	219289609	+	1.588E-17	2.7191E-16	0.22772	hyper	sig	chr2_219289609
chr5	1.41E+08	141215539	+	1.588E-17	2.72E-16	0.323727	hyper	sig	chr5_141215539
chr1	16766015	16766015	+	1.589E-17	2.7204E-16	0.274595	hyper	sig	chr1_16766015
chr2	1.63E+08	163348407	+	1.589E-17	2.7205E-16	0.271343	hyper	sig	chr2_163348407
chr16	84819248	84819248	+	1.591E-17	2.7235E-16	-0.26359	hypo	sig	chr16_84819248
chr1	16082361	16082361	+	1.591E-17	2.7248E-16	-0.31067	hypo	sig	chr1_16082361
chr17	46842292	46842292	+	1.591E-17	2.7248E-16	-0.2591	hypo	sig	chr17_46842292
chr1	1.19E+08	118986752	+	1.592E-17	2.7252E-16	0.269438	hyper	sig	chr1_118986752
chr2	2.37E+08	236507738	+	1.592E-17	2.7257E-16	0.304837	hyper	sig	chr2_236507738
chr17	40779588	40779588	+	1.595E-17	2.7301E-16	0.247388	hyper	sig	chr17_40779588

chr19	49436682	49436682	+	1.595E-17	2.7301E-16	0.200083	hyper	sig	chr19_49436682
chr3	57152255	57152255	+	1.595E-17	2.7314E-16	0.278038	hyper	sig	chr3_57152255
chr14	1.01E+08	101029952	+	1.595E-17	2.7314E-16	-0.22092	hypo	sig	chr14_101029952
chr5	1.41E+08	141364431	+	1.595E-17	2.7314E-16	0.258637	hyper	sig	chr5_141364431
chr15	64824342	64824342	+	1.596E-17	2.7317E-16	0.27871	hyper	sig	chr15_64824342
chr5	1243778	1243778	+	1.596E-17	2.7325E-16	0.280245	hyper	sig	chr5_1243778
chr5	1206988	1206988	+	1.598E-17	2.7355E-16	0.278534	hyper	sig	chr5_1206988
chr15	48178597	48178597	+	1.599E-17	2.7369E-16	0.201078	hyper	sig	chr15_48178597
chr6	27260448	27260448	+	1.6E-17	2.7392E-16	0.253508	hyper	sig	chr6_27260448
chr12	1.13E+08	113479261	+	1.602E-17	2.7413E-16	0.205584	hyper	sig	chr12_113479261
chr13	1.11E+08	110645117	+	1.602E-17	2.7419E-16	0.205448	hyper	sig	chr13_110645117
chr1	37996880	37996880	+	1.602E-17	2.7421E-16	0.284417	hyper	sig	chr1_37996880
chr2	2.08E+08	207926901	+	1.602E-17	2.7421E-16	0.241315	hyper	sig	chr2_207926901
chr16	88393121	88393121	+	1.602E-17	2.7423E-16	-0.22561	hypo	sig	chr16_88393121
chr2	38077643	38077643	+	1.603E-17	2.743E-16	-0.20994	hypo	sig	chr2_38077643
chr9	97848428	97848428	+	1.604E-17	2.7453E-16	0.343634	hyper	sig	chr9_97848428
chr14	97033582	97033582	+	1.604E-17	2.7453E-16	0.233236	hyper	sig	chr14_97033582
chr20	48385006	48385006	+	1.605E-17	2.7467E-16	0.281665	hyper	sig	chr20_48385006
chr17	81941544	81941544	+	1.606E-17	2.7479E-16	-0.29667	hypo	sig	chr17_81941544
chr11	78941210	78941210	+	1.607E-17	2.7492E-16	-0.34584	hypo	sig	chr11_78941210
chr7	1.5E+08	150377690	+	1.607E-17	2.7492E-16	-0.24189	hypo	sig	chr7_150377690
chr17	79747448	79747448	+	1.607E-17	2.7496E-16	0.244361	hyper	sig	chr17_79747448
chr2	5696231	5696231	+	1.607E-17	2.7499E-16	0.343228	hyper	sig	chr2_5696231
chr7	1.57E+08	157302590	+	1.607E-17	2.7502E-16	-0.2747	hypo	sig	chr7_157302590
chr17	505180	505180	+	1.608E-17	2.7516E-16	-0.24498	hypo	sig	chr17_505180
chr5	37837361	37837361	+	1.608E-17	2.7521E-16	0.265786	hyper	sig	chr5_37837361
chr20	35607562	35607562	+	1.61E-17	2.754E-16	-0.31732	hypo	sig	chr20_35607562
chr12	52116117	52116117	+	1.61E-17	2.7547E-16	-0.2289	hypo	sig	chr12_52116117
chr5	1.68E+08	168261612	+	1.613E-17	2.7591E-16	-0.27267	hypo	sig	chr5_168261612
chr4	1.11E+08	110614378	+	1.613E-17	2.7597E-16	0.345037	hyper	sig	chr4_110614378
chr11	1558232	1558232	+	1.614E-17	2.7604E-16	0.24134	hyper	sig	chr11_1558232
chr20	63775022	63775022	+	1.615E-17	2.7625E-16	0.325326	hyper	sig	chr20_63775022
chr1	1.19E+08	118985541	+	1.615E-17	2.7634E-16	0.311454	hyper	sig	chr1_118985541
chr9	1.27E+08	127122257	+	1.617E-17	2.7667E-16	0.277254	hyper	sig	chr9_127122257
chr9	1.36E+08	135779822	+	1.618E-17	2.7675E-16	-0.26302	hypo	sig	chr9_135779822
chr17	80456766	80456766	+	1.618E-17	2.7682E-16	0.257905	hyper	sig	chr17_80456766
chr12	1.32E+08	132452077	+	1.619E-17	2.7689E-16	-0.27775	hypo	sig	chr12_132452077
chr2	1.74E+08	174328725	+	1.62E-17	2.7705E-16	0.203742	hyper	sig	chr2_174328725
chr13	1.08E+08	108214685	+	1.62E-17	2.7714E-16	0.221664	hyper	sig	chr13_108214685
chr5	29296664	29296664	+	1.621E-17	2.7717E-16	-0.27452	hypo	sig	chr5_29296664
chr10	1.3E+08	129969805	+	1.621E-17	2.7718E-16	0.202844	hyper	sig	chr10_129969805
chr5	1.41E+08	141346360	+	1.621E-17	2.772E-16	0.231866	hyper	sig	chr5_141346360
chr4	84484063	84484063	+	1.623E-17	2.7757E-16	0.247532	hyper	sig	chr4_84484063
chr1	27884285	27884285	+	1.625E-17	2.779E-16	-0.25958	hypo	sig	chr1_27884285
chr3	61250172	61250172	+	1.626E-17	2.78E-16	-0.24434	hypo	sig	chr3_61250172
chr7	590904	590904	+	1.626E-17	2.7808E-16	0.235707	hyper	sig	chr7_590904
chr5	1.41E+08	141409707	+	1.628E-17	2.7831E-16	0.305177	hyper	sig	chr5_141409707
chr12	85273925	85273925	+	1.629E-17	2.7859E-16	0.303702	hyper	sig	chr12_85273925
chr18	79497384	79497384	+	1.63E-17	2.7871E-16	0.344314	hyper	sig	chr18_79497384
chr5	1706245	1706245	+	1.63E-17	2.7871E-16	-0.23996	hypo	sig	chr5_1706245
chr14	95525104	95525104	+	1.632E-17	2.7901E-16	-0.28611	hypo	sig	chr14_95525104
chr7	27142048	27142048	+	1.632E-17	2.7903E-16	0.229424	hyper	sig	chr7_27142048
chr8	23225862	23225862	+	1.632E-17	2.7903E-16	-0.27776	hypo	sig	chr8_23225862
chr12	6478524	6478524	+	1.633E-17	2.7917E-16	-0.25284	hypo	sig	chr12_6478524
chr15	89410051	89410051	+	1.633E-17	2.7917E-16	0.296997	hyper	sig	chr15_89410051
chr12	55637309	55637309	+	1.633E-17	2.7919E-16	-0.32519	hypo	sig	chr12_55637309

chr19	37691930	37691930	+	1.633E-17	2.7919E-16	0.287959	hyper	sig	chr19_37691930
chr7	63071010	63071010	+	1.634E-17	2.7929E-16	-0.25247	hypo	sig	chr7_63071010
chr5	1.41E+08	141383615	+	1.634E-17	2.7936E-16	0.313143	hyper	sig	chr5_141383615
chr2	2.13E+08	212538473	+	1.635E-17	2.7945E-16	0.267061	hyper	sig	chr2_212538473
chr16	2082224	2082224	+	1.635E-17	2.7951E-16	0.260503	hyper	sig	chr16_2082224
chr16	81457759	81457759	+	1.64E-17	2.803E-16	-0.24454	hypo	sig	chr16_81457759
chr16	1218589	1218589	+	1.64E-17	2.804E-16	-0.30605	hypo	sig	chr16_1218589
chr13	58317817	58317817	+	1.641E-17	2.8045E-16	-0.3152	hypo	sig	chr13_58317817
chr7	30912215	30912215	+	1.641E-17	2.8045E-16	0.231942	hyper	sig	chr7_30912215
chr3	75655903	75655903	+	1.641E-17	2.8048E-16	0.293337	hyper	sig	chr3_75655903
chr19	34905365	34905365	+	1.642E-17	2.8062E-16	0.253865	hyper	sig	chr19_34905365
chr1	1.19E+08	118983450	+	1.644E-17	2.8101E-16	0.359028	hyper	sig	chr1_118983450
chr5	33937546	33937546	+	1.644E-17	2.8104E-16	0.31784	hyper	sig	chr5_33937546
chr3	1.95E+08	194688110	+	1.645E-17	2.8107E-16	0.240821	hyper	sig	chr3_194688110
chr18	78981152	78981152	+	1.646E-17	2.8135E-16	0.299333	hyper	sig	chr18_78981152
chr19	53631957	53631957	+	1.646E-17	2.8135E-16	-0.28728	hypo	sig	chr19_53631957
chr11	351125	351125	+	1.647E-17	2.8146E-16	-0.29121	hypo	sig	chr11_351125
chr7	1.3E+08	130486122	+	1.648E-17	2.8154E-16	-0.23218	hypo	sig	chr7_130486122
chr20	21515558	21515558	+	1.648E-17	2.8159E-16	0.291676	hyper	sig	chr20_21515558
chr13	25300933	25300933	+	1.648E-17	2.8164E-16	0.27545	hyper	sig	chr13_25300933
chr12	1.15E+08	114699986	+	1.649E-17	2.8175E-16	0.304263	hyper	sig	chr12_114699986
chr1	1926797	1926797	+	1.649E-17	2.8181E-16	-0.34417	hypo	sig	chr1_1926797
chr15	26869527	26869527	+	1.649E-17	2.8182E-16	-0.2428	hypo	sig	chr15_26869527
chr15	52783291	52783291	+	1.65E-17	2.8196E-16	0.246586	hyper	sig	chr15_52783291
chr6	30451716	30451716	+	1.651E-17	2.8202E-16	0.294803	hyper	sig	chr6_30451716
chr13	1.02E+08	101919864	+	1.651E-17	2.8202E-16	0.333237	hyper	sig	chr13_101919864
chr12	1.32E+08	132179021	+	1.652E-17	2.8218E-16	-0.32084	hypo	sig	chr12_132179021
chr8	1.42E+08	142335355	+	1.653E-17	2.8235E-16	-0.25576	hypo	sig	chr8_142335355
chr10	8047701	8047701	+	1.653E-17	2.8237E-16	0.234405	hyper	sig	chr10_8047701
chr12	1.08E+08	107775210	+	1.653E-17	2.824E-16	0.277411	hyper	sig	chr12_107775210
chr2	96116256	96116256	+	1.655E-17	2.8268E-16	0.321236	hyper	sig	chr2_96116256
chr16	89154146	89154146	+	1.655E-17	2.8269E-16	-0.25171	hypo	sig	chr16_89154146
chr22	50281940	50281940	+	1.656E-17	2.829E-16	-0.30347	hypo	sig	chr22_50281940
chr7	27163793	27163793	+	1.656E-17	2.8292E-16	0.216384	hyper	sig	chr7_27163793
chr17	49963934	49963934	+	1.657E-17	2.8308E-16	0.409711	hyper	sig	chr17_49963934
chr1	7782039	7782039	+	1.657E-17	2.8309E-16	-0.32581	hypo	sig	chr1_7782039
chr2	2.42E+08	241578743	+	1.658E-17	2.8318E-16	-0.22412	hypo	sig	chr2_241578743
chr6	99605509	99605509	+	1.658E-17	2.8325E-16	0.211453	hyper	sig	chr6_99605509
chr6	99606853	99606853	+	1.659E-17	2.8329E-16	0.224385	hyper	sig	chr6_99606853
chr17	76027552	76027552	+	1.659E-17	2.833E-16	-0.23443	hypo	sig	chr17_76027552
chr13	1.14E+08	113671484	+	1.659E-17	2.8334E-16	-0.31674	hypo	sig	chr13_113671484
chr5	1.41E+08	141431002	+	1.659E-17	2.8334E-16	0.250416	hyper	sig	chr5_141431002
chr16	85329652	85329652	+	1.659E-17	2.8339E-16	-0.259	hypo	sig	chr16_85329652
chr5	1835544	1835544	+	1.66E-17	2.8346E-16	-0.25346	hypo	sig	chr5_1835544
chr22	30267376	30267376	+	1.66E-17	2.8352E-16	-0.28735	hypo	sig	chr22_30267376
chr8	1.44E+08	143891747	+	1.662E-17	2.8381E-16	-0.2257	hypo	sig	chr8_143891747
chr13	87674393	87674393	+	1.662E-17	2.8386E-16	0.26314	hyper	sig	chr13_87674393
chr4	41744948	41744948	+	1.662E-17	2.8387E-16	0.280179	hyper	sig	chr4_41744948
chr15	26866907	26866907	+	1.663E-17	2.8392E-16	0.272042	hyper	sig	chr15_26866907
chr4	84501990	84501990	+	1.664E-17	2.8416E-16	0.216644	hyper	sig	chr4_84501990
chr16	69917987	69917987	+	1.664E-17	2.8417E-16	0.306223	hyper	sig	chr16_69917987
chr17	1977839	1977839	+	1.664E-17	2.8417E-16	0.248296	hyper	sig	chr17_1977839
chr16	90000374	90000374	+	1.665E-17	2.842E-16	-0.28032	hypo	sig	chr16_90000374
chr18	904477	904477	+	1.665E-17	2.8424E-16	0.386241	hyper	sig	chr18_904477
chr20	32052495	32052495	+	1.666E-17	2.8443E-16	0.233755	hyper	sig	chr20_32052495
chr2	2.38E+08	238494569	+	1.667E-17	2.8465E-16	-0.33307	hypo	sig	chr2_238494569

chr12	1.31E+08	131460639	+	1.668E-17	2.848E-16	-0.31546	hypo	sig	chr12_131460639
chr1	63320181	63320181	+	1.669E-17	2.8489E-16	0.347995	hyper	sig	chr1_63320181
chr10	42755359	42755359	+	1.669E-17	2.85E-16	0.228102	hyper	sig	chr10_42755359
chr11	40293872	40293872	+	1.669E-17	2.85E-16	0.251309	hyper	sig	chr11_40293872
chr22	25179508	25179508	+	1.669E-17	2.85E-16	0.241157	hyper	sig	chr22_25179508
chr18	5892057	5892057	+	1.671E-17	2.8528E-16	-0.25954	hypo	sig	chr18_5892057
chr22	50267562	50267562	+	1.671E-17	2.8528E-16	0.436447	hyper	sig	chr22_50267562
chr19	30450968	30450968	+	1.671E-17	2.853E-16	0.268569	hyper	sig	chr19_30450968
chr5	79070255	79070255	+	1.672E-17	2.8537E-16	0.33166	hyper	sig	chr5_79070255
chr18	12254322	12254322	+	1.672E-17	2.8544E-16	0.222896	hyper	sig	chr18_12254322
chr16	51150945	51150945	+	1.674E-17	2.8567E-16	0.345048	hyper	sig	chr16_51150945
chr19	50358666	50358666	+	1.674E-17	2.8567E-16	0.223292	hyper	sig	chr19_50358666
chr20	40690900	40690900	+	1.674E-17	2.8577E-16	0.287251	hyper	sig	chr20_40690900
chr11	59555872	59555872	+	1.675E-17	2.8589E-16	0.22971	hyper	sig	chr11_59555872
chr11	64341070	64341070	+	1.679E-17	2.8647E-16	0.264748	hyper	sig	chr11_64341070
chr2	63057660	63057660	+	1.682E-17	2.87E-16	0.334092	hyper	sig	chr2_63057660
chr5	88690221	88690221	+	1.682E-17	2.87E-16	0.215349	hyper	sig	chr5_88690221
chr7	1E+08	100099702	+	1.682E-17	2.8712E-16	0.271992	hyper	sig	chr7_100099702
chr11	68371915	68371915	+	1.683E-17	2.8713E-16	0.218598	hyper	sig	chr11_68371915
chr6	37649054	37649054	+	1.683E-17	2.8714E-16	0.328605	hyper	sig	chr6_37649054
chr16	253166	253166	+	1.683E-17	2.8714E-16	-0.26375	hypo	sig	chr16_253166
chr4	1.66E+08	165874097	+	1.683E-17	2.872E-16	0.223802	hyper	sig	chr4_165874097
chr6	75201996	75201996	+	1.685E-17	2.875E-16	0.219746	hyper	sig	chr6_75201996
chr2	2.32E+08	231927100	+	1.687E-17	2.8785E-16	0.265243	hyper	sig	chr2_231927100
chr4	1404329	1404329	+	1.687E-17	2.8785E-16	0.298567	hyper	sig	chr4_1404329
chr6	41443313	41443313	+	1.689E-17	2.8812E-16	0.2389	hyper	sig	chr6_41443313
chr17	42785314	42785314	+	1.689E-17	2.882E-16	0.303848	hyper	sig	chr17_42785314
chr7	73399539	73399539	+	1.689E-17	2.882E-16	0.315686	hyper	sig	chr7_73399539
chr6	1.08E+08	108164752	+	1.689E-17	2.8821E-16	0.261199	hyper	sig	chr6_108164752
chr2	50347931	50347931	+	1.69E-17	2.8826E-16	0.250081	hyper	sig	chr2_50347931
chr20	21702875	21702875	+	1.69E-17	2.8833E-16	0.317547	hyper	sig	chr20_21702875
chr20	610546	610546	+	1.691E-17	2.8847E-16	0.312528	hyper	sig	chr20_610546
chr2	1.82E+08	181678487	+	1.691E-17	2.8851E-16	0.249082	hyper	sig	chr2_181678487
chr5	1.71E+08	171308760	+	1.692E-17	2.8859E-16	0.26781	hyper	sig	chr5_171308760
chr6	393254	393254	+	1.692E-17	2.886E-16	0.269294	hyper	sig	chr6_393254
chr17	81464271	81464271	+	1.692E-17	2.8862E-16	-0.26888	hypo	sig	chr17_81464271
chr11	62689873	62689873	+	1.692E-17	2.8863E-16	0.272213	hyper	sig	chr11_62689873
chr11	1305399	1305399	+	1.694E-17	2.8887E-16	-0.27648	hypo	sig	chr11_1305399
chr7	1235917	1235917	+	1.694E-17	2.8894E-16	0.324117	hyper	sig	chr7_1235917
chr8	1971038	1971038	+	1.695E-17	2.8908E-16	-0.24977	hypo	sig	chr8_1971038
chr19	57583784	57583784	+	1.695E-17	2.8912E-16	0.2901	hyper	sig	chr19_57583784
chr17	40191358	40191358	+	1.696E-17	2.8929E-16	0.213553	hyper	sig	chr17_40191358
chr2	2.39E+08	239349275	+	1.696E-17	2.893E-16	0.339982	hyper	sig	chr2_239349275
chr10	1.31E+08	131177886	+	1.698E-17	2.8956E-16	0.301931	hyper	sig	chr10_131177886
chr3	1.6E+08	160039340	+	1.701E-17	2.9009E-16	0.249812	hyper	sig	chr3_160039340
chr18	78981126	78981126	+	1.703E-17	2.9037E-16	0.317481	hyper	sig	chr18_78981126
chr1	1.15E+08	115287079	+	1.703E-17	2.9042E-16	-0.30941	hypo	sig	chr1_115287079
chr13	1.13E+08	113411713	+	1.704E-17	2.905E-16	-0.32594	hypo	sig	chr13_113411713
chr5	77632587	77632587	+	1.705E-17	2.9069E-16	0.324238	hyper	sig	chr5_77632587
chr8	1.44E+08	143937769	+	1.706E-17	2.9084E-16	-0.26873	hypo	sig	chr8_143937769
chr6	1.51E+08	150599087	+	1.706E-17	2.9086E-16	-0.2973	hypo	sig	chr6_150599087
chr1	2332178	2332178	+	1.707E-17	2.9099E-16	-0.31745	hypo	sig	chr1_2332178
chr10	1341218	1341218	+	1.707E-17	2.9099E-16	-0.22756	hypo	sig	chr10_1341218
chr2	2.17E+08	216694703	+	1.711E-17	2.9171E-16	0.263272	hyper	sig	chr2_216694703
chr1	2.21E+08	220887528	+	1.712E-17	2.9194E-16	0.268807	hyper	sig	chr1_220887528
chr8	54457681	54457681	+	1.714E-17	2.9215E-16	0.258979	hyper	sig	chr8_54457681

chr12	1.13E+08	113463393	+	1.715E-17	2.9232E-16	0.250564	hyper	sig	chr12_113463393
chr5	1.41E+08	141430570	+	1.716E-17	2.926E-16	0.259536	hyper	sig	chr5_141430570
chr2	44943183	44943183	+	1.717E-17	2.9268E-16	0.306187	hyper	sig	chr2_44943183
chr7	4227295	4227295	+	1.717E-17	2.927E-16	-0.22737	hypo	sig	chr7_4227295
chr10	1.18E+08	117536333	+	1.719E-17	2.9296E-16	0.213067	hyper	sig	chr10_117536333
chr14	96739833	96739833	+	1.719E-17	2.93E-16	-0.24182	hypo	sig	chr14_96739833
chr22	50435132	50435132	+	1.719E-17	2.9306E-16	-0.24806	hypo	sig	chr22_50435132
chr1	2.27E+08	226737038	+	1.722E-17	2.935E-16	0.304133	hyper	sig	chr1_226737038
chr3	1.26E+08	126394864	+	1.723E-17	2.9365E-16	0.236817	hyper	sig	chr3_126394864
chr19	1908120	1908120	+	1.724E-17	2.9385E-16	-0.25727	hypo	sig	chr19_1908120
chr6	57800214	57800214	+	1.724E-17	2.9385E-16	0.293069	hyper	sig	chr6_57800214
chr6	98824048	98824048	+	1.724E-17	2.9385E-16	0.277462	hyper	sig	chr6_98824048
chr1	1.45E+08	144551287	+	1.726E-17	2.9409E-16	0.239777	hyper	sig	chr1_144551287
chr12	1.03E+08	102962282	+	1.728E-17	2.9452E-16	0.224672	hyper	sig	chr12_102962282
chr8	90791982	90791982	+	1.729E-17	2.9466E-16	0.291277	hyper	sig	chr8_90791982
chr6	1.08E+08	108165215	+	1.729E-17	2.947E-16	0.333178	hyper	sig	chr6_108165215
chr13	1.12E+08	111893250	+	1.731E-17	2.9502E-16	0.367464	hyper	sig	chr13_111893250
chr2	1.27E+08	126882760	+	1.734E-17	2.9557E-16	-0.29384	hypo	sig	chr2_126882760
chr3	10816051	10816051	+	1.735E-17	2.957E-16	0.329496	hyper	sig	chr3_10816051
chr5	1241664	1241664	+	1.735E-17	2.957E-16	0.258533	hyper	sig	chr5_1241664
chr2	2.01E+08	200586630	+	1.736E-17	2.9581E-16	0.316308	hyper	sig	chr2_200586630
chr13	20301643	20301643	+	1.736E-17	2.9586E-16	0.335914	hyper	sig	chr13_20301643
chr7	1.5E+08	150220228	+	1.737E-17	2.9594E-16	0.32048	hyper	sig	chr7_150220228
chr11	1344231	1344231	+	1.739E-17	2.9635E-16	-0.24239	hypo	sig	chr11_1344231
chr10	1.28E+08	128484521	+	1.74E-17	2.9649E-16	-0.28467	hypo	sig	chr10_128484521
chr7	96997646	96997646	+	1.741E-17	2.9662E-16	0.290145	hyper	sig	chr7_96997646
chr9	1.27E+08	126615016	+	1.741E-17	2.9664E-16	0.348865	hyper	sig	chr9_126615016
chr17	21452721	21452721	+	1.742E-17	2.9678E-16	0.253901	hyper	sig	chr17_21452721
chr11	1.29E+08	129372686	+	1.743E-17	2.9687E-16	0.316423	hyper	sig	chr11_129372686
chr5	1.41E+08	141174164	+	1.745E-17	2.9725E-16	0.258747	hyper	sig	chr5_141174164
chr16	86513095	86513095	+	1.745E-17	2.9733E-16	0.351916	hyper	sig	chr16_86513095
chr7	97024332	97024332	+	1.746E-17	2.9746E-16	0.305762	hyper	sig	chr7_97024332
chr4	213419	213419	+	1.747E-17	2.9754E-16	0.380591	hyper	sig	chr4_213419
chr2	1.15E+08	115162377	+	1.751E-17	2.982E-16	0.246304	hyper	sig	chr2_115162377
chr13	1.11E+08	111410341	+	1.753E-17	2.9857E-16	-0.29171	hypo	sig	chr13_111410341
chr1	18856158	18856158	+	1.755E-17	2.9899E-16	-0.3096	hypo	sig	chr1_18856158
chr1	1.19E+08	118999687	+	1.758E-17	2.9939E-16	0.283162	hyper	sig	chr1_118999687
chr8	56446179	56446179	+	1.76E-17	2.9984E-16	0.315246	hyper	sig	chr8_56446179
chr16	19005889	19005889	+	1.761E-17	2.9993E-16	-0.2437	hypo	sig	chr16_19005889
chr11	31799102	31799102	+	1.761E-17	2.9998E-16	0.218899	hyper	sig	chr11_31799102
chr1	54781656	54781656	+	1.762E-17	3.0009E-16	0.298941	hyper	sig	chr1_54781656
chr6	1.06E+08	105993092	+	1.762E-17	3.0014E-16	0.280607	hyper	sig	chr6_105993092
chr10	1.32E+08	132037069	+	1.762E-17	3.0014E-16	0.223257	hyper	sig	chr10_132037069
chr19	10294552	10294552	+	1.763E-17	3.0026E-16	0.277476	hyper	sig	chr19_10294552
chr13	18299125	18299125	+	1.764E-17	3.0039E-16	-0.42817	hypo	sig	chr13_18299125
chr11	30016206	30016206	+	1.766E-17	3.0078E-16	0.316631	hyper	sig	chr11_30016206
chr14	36659364	36659364	+	1.767E-17	3.0089E-16	0.27504	hyper	sig	chr14_36659364
chr7	90321127	90321127	+	1.767E-17	3.0095E-16	0.236229	hyper	sig	chr7_90321127
chr19	34905304	34905304	+	1.768E-17	3.0101E-16	0.3142	hyper	sig	chr19_34905304
chr2	2.36E+08	236236751	+	1.768E-17	3.0104E-16	0.32593	hyper	sig	chr2_236236751
chr9	95451458	95451458	+	1.768E-17	3.0107E-16	0.261463	hyper	sig	chr9_95451458
chr13	25372761	25372761	+	1.77E-17	3.0138E-16	0.370585	hyper	sig	chr13_25372761
chr8	20252012	20252012	+	1.77E-17	3.0138E-16	-0.30287	hypo	sig	chr8_20252012
chr12	1.28E+08	128268585	+	1.773E-17	3.0187E-16	0.213495	hyper	sig	chr12_128268585
chr9	1.24E+08	124013057	+	1.774E-17	3.0199E-16	0.282629	hyper	sig	chr9_124013057
chr11	31825626	31825626	+	1.774E-17	3.0199E-16	0.340589	hyper	sig	chr11_31825626

chr2	1.3E+08	129587632	+	1.774E-17	3.0202E-16	0.299304	hyper	sig	chr2_129587632
chr11	1.29E+08	128549398	+	1.776E-17	3.0235E-16	0.34806	hyper	sig	chr11_128549398
chr2	2E+08	199603929	+	1.776E-17	3.0236E-16	0.277348	hyper	sig	chr2_199603929
chr16	54288387	54288387	+	1.776E-17	3.0238E-16	0.341632	hyper	sig	chr16_54288387
chr17	82236801	82236801	+	1.778E-17	3.0258E-16	0.296469	hyper	sig	chr17_82236801
chr4	6753309	6753309	+	1.78E-17	3.0301E-16	-0.26184	hypo	sig	chr4_6753309
chr1	2.17E+08	217140942	+	1.782E-17	3.0325E-16	-0.21717	hypo	sig	chr1_217140942
chr12	34353545	34353545	+	1.782E-17	3.0335E-16	0.324059	hyper	sig	chr12_34353545
chr19	42006689	42006689	+	1.785E-17	3.0383E-16	-0.25521	hypo	sig	chr19_42006689
chr16	86300452	86300452	+	1.785E-17	3.0385E-16	0.222354	hyper	sig	chr16_86300452
chr12	1.14E+08	113796314	+	1.787E-17	3.0419E-16	0.295335	hyper	sig	chr12_113796314
chr16	55330956	55330956	+	1.788E-17	3.0434E-16	0.296196	hyper	sig	chr16_55330956
chr22	37335069	37335069	+	1.791E-17	3.0479E-16	0.249778	hyper	sig	chr22_37335069
chr7	1.51E+08	151383990	+	1.791E-17	3.0482E-16	-0.21487	hypo	sig	chr7_151383990
chr14	99522317	99522317	+	1.792E-17	3.049E-16	0.357313	hyper	sig	chr14_99522317
chr7	1.59E+08	158974316	+	1.794E-17	3.053E-16	-0.30511	hypo	sig	chr7_158974316
chr12	1.3E+08	130475004	+	1.796E-17	3.0559E-16	0.245559	hyper	sig	chr12_130475004
chr1	53135250	53135250	+	1.796E-17	3.0562E-16	0.229115	hyper	sig	chr1_53135250
chr19	10294401	10294401	+	1.797E-17	3.0576E-16	0.229395	hyper	sig	chr19_10294401
chr19	52370129	52370129	+	1.797E-17	3.0581E-16	0.227533	hyper	sig	chr19_52370129
chr10	43690658	43690658	+	1.798E-17	3.0601E-16	0.203542	hyper	sig	chr10_43690658
chr17	78316413	78316413	+	1.799E-17	3.0616E-16	-0.23801	hypo	sig	chr17_78316413
chr22	49392478	49392478	+	1.799E-17	3.0616E-16	-0.26729	hypo	sig	chr22_49392478
chr15	50907198	50907198	+	1.801E-17	3.0641E-16	-0.26351	hypo	sig	chr15_50907198
chr1	50421164	50421164	+	1.801E-17	3.0642E-16	0.277294	hyper	sig	chr1_50421164
chr13	36672911	36672911	+	1.803E-17	3.0681E-16	-0.29571	hypo	sig	chr13_36672911
chr7	51803107	51803107	+	1.805E-17	3.0701E-16	-0.28896	hypo	sig	chr7_51803107
chr6	28636017	28636017	+	1.805E-17	3.0705E-16	0.212251	hyper	sig	chr6_28636017
chr6	1594843	1594843	+	1.805E-17	3.0708E-16	-0.3361	hypo	sig	chr6_1594843
chr12	81079455	81079455	+	1.808E-17	3.0762E-16	-0.25451	hypo	sig	chr12_81079455
chr10	1.31E+08	131312045	+	1.81E-17	3.0784E-16	0.32162	hyper	sig	chr10_131312045
chr16	67993180	67993180	+	1.81E-17	3.0787E-16	0.282784	hyper	sig	chr16_67993180
chr19	50428234	50428234	+	1.81E-17	3.0788E-16	0.233723	hyper	sig	chr19_50428234
chr19	15181730	15181730	+	1.811E-17	3.0798E-16	-0.35026	hypo	sig	chr19_15181730
chr19	11482185	11482185	+	1.812E-17	3.0824E-16	0.269881	hyper	sig	chr19_11482185
chr2	66444527	66444527	+	1.813E-17	3.0835E-16	0.248226	hyper	sig	chr2_66444527
chr7	19143924	19143924	+	1.813E-17	3.0835E-16	0.25639	hyper	sig	chr7_19143924
chr12	1.07E+08	106586493	+	1.813E-17	3.0845E-16	0.241884	hyper	sig	chr12_106586493
chr2	68330828	68330828	+	1.813E-17	3.0845E-16	-0.27344	hypo	sig	chr2_68330828
chr1	22451226	22451226	+	1.814E-17	3.0847E-16	-0.23478	hypo	sig	chr1_22451226
chr1	1.47E+08	147080845	+	1.815E-17	3.0865E-16	0.27764	hyper	sig	chr1_147080845
chr6	1.29E+08	128883330	+	1.817E-17	3.0903E-16	0.213647	hyper	sig	chr6_128883330
chr19	57607892	57607892	+	1.818E-17	3.0913E-16	-0.26046	hypo	sig	chr19_57607892
chr8	11703048	11703048	+	1.819E-17	3.0934E-16	0.240142	hyper	sig	chr8_11703048
chr1	3246167	3246167	+	1.819E-17	3.0941E-16	0.287197	hyper	sig	chr1_3246167
chr8	66178015	66178015	+	1.82E-17	3.0951E-16	0.241207	hyper	sig	chr8_66178015
chr10	1.18E+08	117534828	+	1.82E-17	3.0952E-16	0.206366	hyper	sig	chr10_117534828
chr5	77844672	77844672	+	1.82E-17	3.0952E-16	0.23136	hyper	sig	chr5_77844672
chr2	1.3E+08	130129601	+	1.821E-17	3.0965E-16	-0.26445	hypo	sig	chr2_130129601
chr7	1263831	1263831	+	1.822E-17	3.0981E-16	-0.3462	hypo	sig	chr7_1263831
chr10	1.32E+08	131519414	+	1.823E-17	3.1E-16	0.251346	hyper	sig	chr10_131519414
chr5	85647726	85647726	+	1.823E-17	3.1E-16	-0.27793	hypo	sig	chr5_85647726
chr11	49048910	49048910	+	1.823E-17	3.1003E-16	0.300564	hyper	sig	chr11_49048910
chr19	629825	629825	+	1.824E-17	3.1019E-16	0.336434	hyper	sig	chr19_629825
chr16	89343914	89343914	+	1.824E-17	3.1019E-16	-0.26508	hypo	sig	chr16_89343914
chr10	60732480	60732480	+	1.825E-17	3.1022E-16	-0.26259	hypo	sig	chr10_60732480

chr19	2486433	2486433	+	1.826E-17	3.1043E-16	-0.28974	hypo	sig	chr19_2486433
chr17	4745285	4745285	+	1.826E-17	3.1052E-16	0.336171	hyper	sig	chr17_4745285
chr5	31193808	31193808	+	1.828E-17	3.1078E-16	0.311965	hyper	sig	chr5_31193808
chr17	14304282	14304282	+	1.828E-17	3.1084E-16	0.343019	hyper	sig	chr17_14304282
chr11	70609123	70609123	+	1.829E-17	3.1094E-16	0.238572	hyper	sig	chr11_70609123
chr1	2.07E+08	207496293	+	1.832E-17	3.1141E-16	0.250044	hyper	sig	chr1_207496293
chr2	2.42E+08	242031785	+	1.832E-17	3.1147E-16	-0.26179	hypo	sig	chr2_242031785
chr17	81148560	81148560	+	1.835E-17	3.1186E-16	-0.27436	hypo	sig	chr17_81148560
chr8	4993444	4993444	+	1.837E-17	3.1223E-16	0.252836	hyper	sig	chr8_4993444
chr19	15723052	15723052	+	1.837E-17	3.1224E-16	0.25261	hyper	sig	chr19_15723052
chr5	1.41E+08	141096173	+	1.84E-17	3.1269E-16	0.301175	hyper	sig	chr5_141096173
chr5	1.41E+08	141393011	+	1.842E-17	3.1306E-16	0.206724	hyper	sig	chr5_141393011
chr6	1E+08	100447214	+	1.843E-17	3.132E-16	0.251852	hyper	sig	chr6_100447214
chr18	37275530	37275530	+	1.845E-17	3.1357E-16	0.295806	hyper	sig	chr18_37275530
chr1	1.53E+08	152775156	+	1.848E-17	3.1407E-16	-0.34124	hypo	sig	chr1_152775156
chr16	87179172	87179172	+	1.849E-17	3.1418E-16	-0.29867	hypo	sig	chr16_87179172
chr10	49115047	49115047	+	1.849E-17	3.1422E-16	0.255729	hyper	sig	chr10_49115047
chr6	32096441	32096441	+	1.852E-17	3.1466E-16	0.248512	hyper	sig	chr6_32096441
chr5	1.41E+08	140848876	+	1.853E-17	3.149E-16	0.2549	hyper	sig	chr5_140848876
chr8	1E+08	100303277	+	1.854E-17	3.1508E-16	-0.29769	hypo	sig	chr8_100303277
chr11	76637720	76637720	+	1.854E-17	3.1512E-16	-0.22962	hypo	sig	chr11_76637720
chr19	10713178	10713178	+	1.856E-17	3.1534E-16	-0.31329	hypo	sig	chr19_10713178
chr8	1.45E+08	144762462	+	1.856E-17	3.1534E-16	0.244701	hyper	sig	chr8_144762462
chr10	1.32E+08	132163332	+	1.857E-17	3.1561E-16	-0.32788	hypo	sig	chr10_132163332
chr13	25097338	25097338	+	1.859E-17	3.1579E-16	-0.22969	hypo	sig	chr13_25097338
chr19	1295671	1295671	+	1.859E-17	3.1587E-16	0.263147	hyper	sig	chr19_1295671
chr15	74133894	74133894	+	1.86E-17	3.1605E-16	0.326898	hyper	sig	chr15_74133894
chr7	27137449	27137449	+	1.862E-17	3.1631E-16	0.209596	hyper	sig	chr7_27137449
chr13	64958664	64958664	+	1.862E-17	3.1632E-16	-0.21591	hypo	sig	chr13_64958664
chr17	42686965	42686965	+	1.864E-17	3.1662E-16	0.299877	hyper	sig	chr17_42686965
chr13	1.13E+08	113143684	+	1.864E-17	3.1672E-16	-0.30214	hypo	sig	chr13_113143684
chr7	1.49E+08	149415339	+	1.865E-17	3.1685E-16	0.288571	hyper	sig	chr7_149415339
chr19	58581371	58581371	+	1.866E-17	3.1704E-16	0.239337	hyper	sig	chr19_58581371
chr2	1.76E+08	176068125	+	1.866E-17	3.1705E-16	0.306421	hyper	sig	chr2_176068125
chr3	1.47E+08	147410385	+	1.868E-17	3.1726E-16	0.297521	hyper	sig	chr3_147410385
chr1	92029442	92029442	+	1.868E-17	3.1727E-16	-0.21545	hypo	sig	chr1_92029442
chr8	90984736	90984736	+	1.868E-17	3.1738E-16	0.249003	hyper	sig	chr8_90984736
chr12	53960408	53960408	+	1.869E-17	3.175E-16	0.266742	hyper	sig	chr12_53960408
chr15	83284179	83284179	+	1.871E-17	3.1775E-16	0.298989	hyper	sig	chr15_83284179
chr4	65670893	65670893	+	1.871E-17	3.1779E-16	0.206487	hyper	sig	chr4_65670893
chr10	1.32E+08	132037081	+	1.873E-17	3.1816E-16	0.261658	hyper	sig	chr10_132037081
chr12	49904144	49904144	+	1.873E-17	3.1818E-16	0.326061	hyper	sig	chr12_49904144
chr7	1.42E+08	141696099	+	1.875E-17	3.1842E-16	-0.25561	hypo	sig	chr7_141696099
chr21	36705671	36705671	+	1.875E-17	3.1845E-16	0.305672	hyper	sig	chr21_36705671
chr19	58581386	58581386	+	1.878E-17	3.1885E-16	0.255623	hyper	sig	chr19_58581386
chr18	11752218	11752218	+	1.878E-17	3.1886E-16	0.289652	hyper	sig	chr18_11752218
chr19	3133525	3133525	+	1.878E-17	3.1894E-16	-0.27191	hypo	sig	chr19_3133525
chr19	53907950	53907950	+	1.878E-17	3.1894E-16	0.335727	hyper	sig	chr19_53907950
chr7	35185860	35185860	+	1.879E-17	3.1905E-16	0.245607	hyper	sig	chr7_35185860
chr14	74501510	74501510	+	1.879E-17	3.1908E-16	0.260843	hyper	sig	chr14_74501510
chr6	98844374	98844374	+	1.88E-17	3.1914E-16	0.283053	hyper	sig	chr6_98844374
chr16	974815	974815	+	1.881E-17	3.193E-16	-0.31064	hypo	sig	chr16_974815
chr10	1.33E+08	133389292	+	1.882E-17	3.1948E-16	-0.28781	hypo	sig	chr10_133389292
chr5	1640046	1640046	+	1.882E-17	3.1948E-16	-0.22378	hypo	sig	chr5_1640046
chr6	26017833	26017833	+	1.884E-17	3.1984E-16	0.234783	hyper	sig	chr6_26017833
chr2	1.71E+08	170717311	+	1.885E-17	3.201E-16	0.29829	hyper	sig	chr2_170717311

chr7	27087829	27087829	+	1.889E-17	3.2062E-16	-0.26266	hypo	sig	chr7_27087829
chr12	6620432	6620432	+	1.892E-17	3.2117E-16	0.292191	hyper	sig	chr12_6620432
chr2	66581994	66581994	+	1.892E-17	3.2117E-16	0.323441	hyper	sig	chr2_66581994
chr11	1.25E+08	124865228	+	1.894E-17	3.2153E-16	0.269703	hyper	sig	chr11_124865228
chr6	55578983	55578983	+	1.894E-17	3.2157E-16	0.250813	hyper	sig	chr6_55578983
chr12	42482320	42482320	+	1.895E-17	3.2169E-16	0.259004	hyper	sig	chr12_42482320
chr7	1.29E+08	128876906	+	1.896E-17	3.2175E-16	-0.30338	hypo	sig	chr7_128876906
chr7	1.56E+08	155998262	+	1.897E-17	3.2199E-16	-0.28573	hypo	sig	chr7_155998262
chr18	74499167	74499167	+	1.898E-17	3.222E-16	-0.27251	hypo	sig	chr18_74499167
chr16	87667270	87667270	+	1.9E-17	3.2248E-16	-0.29034	hypo	sig	chr16_87667270
chr16	88967377	88967377	+	1.901E-17	3.2261E-16	-0.26503	hypo	sig	chr16_88967377
chr17	77494655	77494655	+	1.901E-17	3.2268E-16	0.302554	hyper	sig	chr17_77494655
chr13	1.13E+08	113454200	+	1.902E-17	3.2285E-16	0.208823	hyper	sig	chr13_113454200
chr13	1.1E+08	110434972	+	1.903E-17	3.2297E-16	-0.21722	hypo	sig	chr13_110434972
chr17	41612812	41612812	+	1.904E-17	3.2308E-16	-0.23936	hypo	sig	chr17_41612812
chr1	91805012	91805012	+	1.904E-17	3.2308E-16	-0.23901	hypo	sig	chr1_91805012
chr17	1588991	1588991	+	1.905E-17	3.2319E-16	-0.28446	hypo	sig	chr17_1588991
chr11	15114994	15114994	+	1.907E-17	3.2354E-16	0.28829	hyper	sig	chr11_15114994
chr7	99580260	99580260	+	1.907E-17	3.2355E-16	0.254297	hyper	sig	chr7_99580260
chr19	12648213	12648213	+	1.908E-17	3.2378E-16	0.296814	hyper	sig	chr19_12648213
chr15	31438802	31438802	+	1.909E-17	3.2398E-16	-0.24385	hypo	sig	chr15_31438802
chr5	2755969	2755969	+	1.91E-17	3.2414E-16	0.250669	hyper	sig	chr5_2755969
chr2	20231591	20231591	+	1.912E-17	3.2445E-16	-0.29957	hypo	sig	chr2_20231591
chr12	49961490	49961490	+	1.914E-17	3.2467E-16	0.348438	hyper	sig	chr12_49961490
chr19	30451003	30451003	+	1.916E-17	3.2501E-16	0.290236	hyper	sig	chr19_30451003
chr15	80342883	80342883	+	1.918E-17	3.2532E-16	-0.28202	hypo	sig	chr15_80342883
chr6	1.29E+08	128883287	+	1.918E-17	3.2537E-16	0.25984	hyper	sig	chr6_128883287
chr13	78587010	78587010	+	1.919E-17	3.2554E-16	0.331206	hyper	sig	chr13_78587010
chr5	1.79E+08	178994326	+	1.919E-17	3.2554E-16	0.306379	hyper	sig	chr5_178994326
chr4	1.11E+08	110639899	+	1.919E-17	3.256E-16	0.248574	hyper	sig	chr4_110639899
chr5	25911158	25911158	+	1.923E-17	3.2615E-16	-0.3197	hypo	sig	chr5_25911158
chr3	10995136	10995136	+	1.923E-17	3.2626E-16	-0.26066	hypo	sig	chr3_10995136
chr4	1310098	1310098	+	1.924E-17	3.2638E-16	0.324169	hyper	sig	chr4_1310098
chr19	19629086	19629086	+	1.924E-17	3.2639E-16	-0.4198	hypo	sig	chr19_19629086
chr16	3175101	3175101	+	1.925E-17	3.265E-16	0.383882	hyper	sig	chr16_3175101
chr21	46456145	46456145	+	1.926E-17	3.2672E-16	0.271548	hyper	sig	chr21_46456145
chr13	19118634	19118634	+	1.928E-17	3.2694E-16	-0.23814	hypo	sig	chr13_19118634
chr2	2.38E+08	238439800	+	1.932E-17	3.2764E-16	-0.26527	hypo	sig	chr2_238439800
chr5	45695820	45695820	+	1.932E-17	3.2765E-16	0.314006	hyper	sig	chr5_45695820
chr19	12195484	12195484	+	1.935E-17	3.2809E-16	0.222836	hyper	sig	chr19_12195484
chr7	30682288	30682288	+	1.936E-17	3.283E-16	0.243889	hyper	sig	chr7_30682288
chr17	42686951	42686951	+	1.937E-17	3.2842E-16	0.26943	hyper	sig	chr17_42686951
chr4	1.72E+08	171813308	+	1.937E-17	3.2845E-16	0.288889	hyper	sig	chr4_171813308
chr1	1.57E+08	156849223	+	1.938E-17	3.2855E-16	0.327345	hyper	sig	chr1_156849223
chr13	36130843	36130843	+	1.938E-17	3.2856E-16	0.259549	hyper	sig	chr13_36130843
chr13	98172073	98172073	+	1.938E-17	3.2858E-16	0.37446	hyper	sig	chr13_98172073
chr1	3651422	3651422	+	1.943E-17	3.2951E-16	0.217265	hyper	sig	chr1_3651422
chr13	78607321	78607321	+	1.944E-17	3.2963E-16	0.400704	hyper	sig	chr13_78607321
chr17	74328926	74328926	+	1.945E-17	3.2973E-16	-0.27998	hypo	sig	chr17_74328926
chr6	30883274	30883274	+	1.945E-17	3.2973E-16	-0.25547	hypo	sig	chr6_30883274
chr2	72147135	72147135	+	1.945E-17	3.298E-16	0.233816	hyper	sig	chr2_72147135
chr19	50695697	50695697	+	1.946E-17	3.2992E-16	0.269214	hyper	sig	chr19_50695697
chr3	1.82E+08	181725215	+	1.948E-17	3.3024E-16	0.275772	hyper	sig	chr3_181725215
chr10	1.3E+08	130014534	+	1.948E-17	3.3031E-16	-0.24655	hypo	sig	chr10_130014534
chr1	2.21E+08	220887509	+	1.949E-17	3.304E-16	0.254061	hyper	sig	chr1_220887509
chr7	1.58E+08	157555558	+	1.95E-17	3.3049E-16	-0.25174	hypo	sig	chr7_157555558

chr5	1.77E+08	176629674	+	1.95E-17	3.306E-16	0.335327	hyper	sig	chr5_176629674
chr6	96016019	96016019	+	1.951E-17	3.3074E-16	0.352233	hyper	sig	chr6_96016019
chr3	48552580	48552580	+	1.951E-17	3.3077E-16	-0.25798	hypo	sig	chr3_48552580
chr20	64062620	64062620	+	1.952E-17	3.3078E-16	0.261834	hyper	sig	chr20_64062620
chr1	14945775	14945775	+	1.952E-17	3.308E-16	0.222648	hyper	sig	chr1_14945775
chr22	19149334	19149334	+	1.952E-17	3.3085E-16	0.242315	hyper	sig	chr22_19149334
chr20	63319455	63319455	+	1.952E-17	3.3089E-16	-0.2803	hypo	sig	chr20_63319455
chr19	2513285	2513285	+	1.954E-17	3.3123E-16	-0.3267	hypo	sig	chr19_2513285
chr1	1.51E+08	151165194	+	1.956E-17	3.3153E-16	0.218579	hyper	sig	chr1_151165194
chr1	2.21E+08	220881220	+	1.959E-17	3.3194E-16	0.294487	hyper	sig	chr1_220881220
chr5	1.41E+08	141100456	+	1.963E-17	3.3265E-16	0.272841	hyper	sig	chr5_141100456
chr1	44409019	44409019	+	1.963E-17	3.3268E-16	0.237114	hyper	sig	chr1_44409019
chr6	53665812	53665812	+	1.963E-17	3.3273E-16	0.269312	hyper	sig	chr6_53665812
chr11	1.26E+08	126356177	+	1.964E-17	3.3286E-16	0.256991	hyper	sig	chr11_126356177
chr4	985388	985388	+	1.964E-17	3.3288E-16	-0.20779	hypo	sig	chr4_985388
chr8	71844412	71844412	+	1.966E-17	3.3313E-16	0.282404	hyper	sig	chr8_71844412
chr1	2.27E+08	226690646	+	1.968E-17	3.3338E-16	0.351396	hyper	sig	chr1_226690646
chr5	1.11E+08	111070808	+	1.968E-17	3.334E-16	0.245354	hyper	sig	chr5_111070808
chr8	1.41E+08	141085051	+	1.968E-17	3.3348E-16	-0.26547	hypo	sig	chr8_141085051
chr10	69571772	69571772	+	1.97E-17	3.3375E-16	0.309113	hyper	sig	chr10_69571772
chr13	1.11E+08	110628742	+	1.97E-17	3.3383E-16	0.242511	hyper	sig	chr13_110628742
chr13	87677419	87677419	+	1.972E-17	3.3408E-16	0.389336	hyper	sig	chr13_87677419
chr6	32107079	32107079	+	1.972E-17	3.341E-16	-0.24078	hypo	sig	chr6_32107079
chr8	53877991	53877991	+	1.973E-17	3.3423E-16	0.255568	hyper	sig	chr8_53877991
chr17	28717686	28717686	+	1.975E-17	3.3456E-16	0.319964	hyper	sig	chr17_28717686
chr7	1.22E+08	122307070	+	1.975E-17	3.3459E-16	0.3003	hyper	sig	chr7_122307070
chr6	1.67E+08	166771507	+	1.976E-17	3.3476E-16	-0.25658	hypo	sig	chr6_166771507
chr3	1.39E+08	138940085	+	1.978E-17	3.3507E-16	0.250162	hyper	sig	chr3_138940085
chr19	17540186	17540186	+	1.978E-17	3.3514E-16	0.26707	hyper	sig	chr19_17540186
chr7	4613237	4613237	+	1.979E-17	3.3515E-16	-0.23274	hypo	sig	chr7_4613237
chr17	79787831	79787831	+	1.979E-17	3.3522E-16	-0.23733	hypo	sig	chr17_79787831
chr1	1.62E+08	161721224	+	1.979E-17	3.3524E-16	-0.31691	hypo	sig	chr1_161721224
chr13	52848736	52848736	+	1.98E-17	3.3539E-16	0.289766	hyper	sig	chr13_52848736
chr11	66543853	66543853	+	1.98E-17	3.3541E-16	0.257618	hyper	sig	chr11_66543853
chr10	99236606	99236606	+	1.981E-17	3.3557E-16	0.318939	hyper	sig	chr10_99236606
chr15	1.01E+08	101009111	+	1.982E-17	3.3564E-16	-0.25602	hypo	sig	chr15_101009111
chr5	2387822	2387822	+	1.982E-17	3.3566E-16	0.247572	hyper	sig	chr5_2387822
chr14	68628962	68628962	+	1.982E-17	3.3573E-16	-0.28493	hypo	sig	chr14_68628962
chr10	8037256	8037256	+	1.983E-17	3.3586E-16	0.213913	hyper	sig	chr10_8037256
chr15	74236265	74236265	+	1.984E-17	3.3593E-16	-0.24527	hypo	sig	chr15_74236265
chr2	2.33E+08	233060420	+	1.985E-17	3.3617E-16	-0.2443	hypo	sig	chr2_233060420
chr5	2749684	2749684	+	1.986E-17	3.3629E-16	0.341026	hyper	sig	chr5_2749684
chr4	1.75E+08	175428609	+	1.986E-17	3.3632E-16	-0.28812	hypo	sig	chr4_175428609
chr16	54288579	54288579	+	1.986E-17	3.3634E-16	0.225456	hyper	sig	chr16_54288579
chr2	1.19E+08	119156761	+	1.987E-17	3.3654E-16	0.21775	hyper	sig	chr2_119156761
chr1	1.52E+08	151839127	+	1.988E-17	3.3661E-16	0.300276	hyper	sig	chr1_151839127
chr10	1.25E+08	124648260	+	1.989E-17	3.3676E-16	-0.27247	hypo	sig	chr10_124648260
chr12	53945055	53945055	+	1.992E-17	3.373E-16	0.208328	hyper	sig	chr12_53945055
chr1	2.04E+08	204351028	+	1.993E-17	3.3748E-16	0.278579	hyper	sig	chr1_204351028
chr11	31825286	31825286	+	1.994E-17	3.3754E-16	0.275113	hyper	sig	chr11_31825286
chr5	32713021	32713021	+	1.994E-17	3.3755E-16	0.259957	hyper	sig	chr5_32713021
chr6	39792608	39792608	+	1.995E-17	3.3775E-16	0.29763	hyper	sig	chr6_39792608
chr19	17502254	17502254	+	1.996E-17	3.3802E-16	0.205194	hyper	sig	chr19_17502254
chr6	31186169	31186169	+	1.998E-17	3.3818E-16	-0.27922	hypo	sig	chr6_31186169
chr7	27239576	27239576	+	2.001E-17	3.3877E-16	0.360863	hyper	sig	chr7_27239576
chr15	74818874	74818874	+	2.001E-17	3.388E-16	-0.26842	hypo	sig	chr15_74818874

chr2	2.19E+08	218962096	+	2.001E-17	3.3881E-16	0.241512	hyper	sig	chr2_218962096
chr22	50281845	50281845	+	2.005E-17	3.3937E-16	-0.20829	hypo	sig	chr22_50281845
chr9	1.37E+08	136534689	+	2.006E-17	3.3957E-16	0.315577	hyper	sig	chr9_136534689
chr13	27918827	27918827	+	2.006E-17	3.3958E-16	0.270541	hyper	sig	chr13_27918827
chr5	1.41E+08	140870816	+	2.006E-17	3.3963E-16	0.343546	hyper	sig	chr5_140870816
chr7	72969633	72969633	+	2.009E-17	3.3999E-16	0.379817	hyper	sig	chr7_72969633
chr1	1.21E+08	121006923	+	2.01E-17	3.4017E-16	0.246814	hyper	sig	chr1_121006923
chr11	1.32E+08	131837824	+	2.01E-17	3.4025E-16	-0.21625	hypo	sig	chr11_131837824
chr6	27545668	27545668	+	2.011E-17	3.4036E-16	0.244175	hyper	sig	chr6_27545668
chr11	68374029	68374029	+	2.015E-17	3.4102E-16	0.294411	hyper	sig	chr11_68374029
chr17	57936199	57936199	+	2.015E-17	3.4102E-16	0.214257	hyper	sig	chr17_57936199
chr19	56368257	56368257	+	2.016E-17	3.4114E-16	0.275835	hyper	sig	chr19_56368257
chr7	1.29E+08	128714808	+	2.018E-17	3.4143E-16	-0.26169	hypo	sig	chr7_128714808
chr4	1.11E+08	110629732	+	2.019E-17	3.4165E-16	0.276687	hyper	sig	chr4_110629732
chr15	80933150	80933150	+	2.019E-17	3.4172E-16	0.307037	hyper	sig	chr15_80933150
chr16	89343921	89343921	+	2.023E-17	3.4234E-16	-0.26204	hypo	sig	chr16_89343921
chr15	89367935	89367935	+	2.023E-17	3.4238E-16	0.227707	hyper	sig	chr15_89367935
chr20	844840	844840	+	2.023E-17	3.4238E-16	0.231952	hyper	sig	chr20_844840
chr16	88409712	88409712	+	2.028E-17	3.4309E-16	-0.28401	hypo	sig	chr16_88409712
chr10	1266671	1266671	+	2.028E-17	3.4311E-16	-0.20568	hypo	sig	chr10_1266671
chr17	896989	896989	+	2.028E-17	3.4319E-16	0.334036	hyper	sig	chr17_896989
chr5	1.41E+08	140828141	+	2.029E-17	3.4329E-16	0.266762	hyper	sig	chr5_140828141
chr18	47249095	47249095	+	2.03E-17	3.4351E-16	0.257885	hyper	sig	chr18_47249095
chr4	54103777	54103777	+	2.031E-17	3.4355E-16	0.29046	hyper	sig	chr4_54103777
chr17	48725520	48725520	+	2.034E-17	3.4415E-16	0.252635	hyper	sig	chr17_48725520
chr2	1.85E+08	184598132	+	2.035E-17	3.4422E-16	0.237282	hyper	sig	chr2_184598132
chr1	1.44E+08	143661960	+	2.035E-17	3.4424E-16	0.296668	hyper	sig	chr1_143661960
chr5	1.41E+08	141388285	+	2.037E-17	3.4456E-16	0.30189	hyper	sig	chr5_141388285
chr11	65592831	65592831	+	2.037E-17	3.4457E-16	0.300114	hyper	sig	chr11_65592831
chr12	1.32E+08	132286358	+	2.038E-17	3.4471E-16	0.219957	hyper	sig	chr12_132286358
chr9	970569	970569	+	2.041E-17	3.452E-16	0.241317	hyper	sig	chr9_970569
chr16	86568831	86568831	+	2.042E-17	3.4539E-16	0.292972	hyper	sig	chr16_86568831
chr7	2699174	2699174	+	2.042E-17	3.4549E-16	-0.36921	hypo	sig	chr7_2699174
chr1	21937996	21937996	+	2.044E-17	3.4582E-16	0.28396	hyper	sig	chr1_21937996
chr6	29676962	29676962	+	2.045E-17	3.4594E-16	-0.30831	hypo	sig	chr6_29676962
chr4	41879829	41879829	+	2.047E-17	3.4622E-16	0.246826	hyper	sig	chr4_41879829
chr10	1.19E+08	119315770	+	2.048E-17	3.4634E-16	-0.25051	hypo	sig	chr10_119315770
chr10	1.16E+08	116274370	+	2.049E-17	3.4661E-16	0.255655	hyper	sig	chr10_116274370
chr11	1.26E+08	126356151	+	2.049E-17	3.4662E-16	0.272814	hyper	sig	chr11_126356151
chr10	58327146	58327146	+	2.051E-17	3.4679E-16	0.324179	hyper	sig	chr10_58327146
chr5	16735389	16735389	+	2.051E-17	3.4686E-16	-0.28352	hypo	sig	chr5_16735389
chr1	18632989	18632989	+	2.053E-17	3.4718E-16	0.226561	hyper	sig	chr1_18632989
chr2	10835202	10835202	+	2.053E-17	3.4718E-16	-0.23779	hypo	sig	chr2_10835202
chr19	17079449	17079449	+	2.053E-17	3.472E-16	0.278668	hyper	sig	chr19_17079449
chr20	63178586	63178586	+	2.054E-17	3.4726E-16	0.348637	hyper	sig	chr20_63178586
chr10	5546179	5546179	+	2.054E-17	3.4731E-16	-0.28833	hypo	sig	chr10_5546179
chr1	86156705	86156705	+	2.054E-17	3.4735E-16	0.20067	hyper	sig	chr1_86156705
chr6	30171947	30171947	+	2.055E-17	3.4743E-16	0.279767	hyper	sig	chr6_30171947
chr13	42574119	42574119	+	2.055E-17	3.4744E-16	0.26309	hyper	sig	chr13_42574119
chr20	58833740	58833740	+	2.055E-17	3.4751E-16	-0.29519	hypo	sig	chr20_58833740
chr5	73232939	73232939	+	2.056E-17	3.4766E-16	0.243877	hyper	sig	chr5_73232939
chr2	70904460	70904460	+	2.058E-17	3.4798E-16	0.313315	hyper	sig	chr2_70904460
chr5	73381469	73381469	+	2.06E-17	3.4831E-16	0.282287	hyper	sig	chr5_73381469
chr17	42155721	42155721	+	2.06E-17	3.4831E-16	0.263347	hyper	sig	chr17_42155721
chr1	2.31E+08	230849963	+	2.062E-17	3.4856E-16	0.32915	hyper	sig	chr1_230849963
chr17	57902725	57902725	+	2.063E-17	3.4868E-16	-0.2267	hypo	sig	chr17_57902725

chr9	19788566	19788566	+	2.064E-17	3.4898E-16	0.379742	hyper	sig	chr9_19788566
chr13	1.13E+08	112874418	+	2.066E-17	3.4922E-16	0.294009	hyper	sig	chr13_112874418
chr14	94771332	94771332	+	2.066E-17	3.4926E-16	0.300952	hyper	sig	chr14_94771332
chr2	1.06E+08	106065387	+	2.066E-17	3.4927E-16	0.250429	hyper	sig	chr2_106065387
chr16	72858831	72858831	+	2.067E-17	3.4934E-16	0.319052	hyper	sig	chr16_72858831
chr16	2712631	2712631	+	2.068E-17	3.4955E-16	-0.30428	hypo	sig	chr16_2712631
chr20	41366923	41366923	+	2.069E-17	3.4976E-16	0.225143	hyper	sig	chr20_41366923
chr3	14564363	14564363	+	2.07E-17	3.4979E-16	-0.29477	hypo	sig	chr3_14564363
chr12	1.14E+08	114447545	+	2.07E-17	3.4983E-16	0.258978	hyper	sig	chr12_114447545
chr13	1.14E+08	114089954	+	2.071E-17	3.5008E-16	-0.28171	hypo	sig	chr13_114089954
chr1	16226775	16226775	+	2.073E-17	3.5033E-16	0.244785	hyper	sig	chr1_16226775
chr4	1.63E+08	163343794	+	2.073E-17	3.5039E-16	0.203901	hyper	sig	chr4_163343794
chr8	41309779	41309779	+	2.076E-17	3.5086E-16	0.255153	hyper	sig	chr8_41309779
chr2	66439567	66439567	+	2.078E-17	3.5113E-16	0.28606	hyper	sig	chr2_66439567
chr11	31827739	31827739	+	2.078E-17	3.5118E-16	0.200825	hyper	sig	chr11_31827739
chr4	4404490	4404490	+	2.079E-17	3.5127E-16	-0.33019	hypo	sig	chr4_4404490
chr17	1012481	1012481	+	2.08E-17	3.5146E-16	0.212067	hyper	sig	chr17_1012481
chr10	97937277	97937277	+	2.081E-17	3.5168E-16	-0.3057	hypo	sig	chr10_97937277
chr16	86303822	86303822	+	2.083E-17	3.519E-16	0.273021	hyper	sig	chr16_86303822
chr22	22244704	22244704	+	2.085E-17	3.5227E-16	-0.27117	hypo	sig	chr22_22244704
chr2	38075440	38075440	+	2.086E-17	3.5241E-16	0.365111	hyper	sig	chr2_38075440
chr5	1.79E+08	178941352	+	2.087E-17	3.5255E-16	0.305757	hyper	sig	chr5_178941352
chr7	73704218	73704218	+	2.087E-17	3.5266E-16	0.256766	hyper	sig	chr7_73704218
chr3	51707289	51707289	+	2.087E-17	3.5267E-16	0.222501	hyper	sig	chr3_51707289
chr10	22345109	22345109	+	2.089E-17	3.53E-16	0.229207	hyper	sig	chr10_22345109
chr20	21699205	21699205	+	2.089E-17	3.53E-16	0.26835	hyper	sig	chr20_21699205
chr21	44706242	44706242	+	2.089E-17	3.53E-16	0.349432	hyper	sig	chr21_44706242
chr11	57344139	57344139	+	2.09E-17	3.5312E-16	0.261159	hyper	sig	chr11_57344139
chr16	57628167	57628167	+	2.091E-17	3.5323E-16	0.338579	hyper	sig	chr16_57628167
chr8	21724382	21724382	+	2.093E-17	3.5364E-16	-0.21754	hypo	sig	chr8_21724382
chr7	43113761	43113761	+	2.094E-17	3.5376E-16	0.222222	hyper	sig	chr7_43113761
chr1	9295395	9295395	+	2.095E-17	3.5382E-16	0.299381	hyper	sig	chr1_9295395
chr7	3969410	3969410	+	2.095E-17	3.5392E-16	-0.23236	hypo	sig	chr7_3969410
chr2	2.28E+08	228180291	+	2.096E-17	3.5406E-16	0.288979	hyper	sig	chr2_228180291
chr4	1.74E+08	173530982	+	2.096E-17	3.5406E-16	0.20695	hyper	sig	chr4_173530982
chr5	55220613	55220613	+	2.096E-17	3.5408E-16	0.202552	hyper	sig	chr5_55220613
chr17	81008245	81008245	+	2.096E-17	3.5408E-16	-0.26621	hypo	sig	chr17_81008245
chr11	65593038	65593038	+	2.099E-17	3.5454E-16	0.250307	hyper	sig	chr11_65593038
chr5	1.46E+08	146340348	+	2.101E-17	3.5486E-16	0.269105	hyper	sig	chr5_146340348
chr8	49910538	49910538	+	2.103E-17	3.5524E-16	0.21334	hyper	sig	chr8_49910538
chr9	1.18E+08	117744987	+	2.104E-17	3.5529E-16	0.202046	hyper	sig	chr9_117744987
chr20	43189241	43189241	+	2.108E-17	3.56E-16	0.248881	hyper	sig	chr20_43189241
chr17	82419996	82419996	+	2.109E-17	3.5613E-16	-0.23322	hypo	sig	chr17_82419996
chr5	81394401	81394401	+	2.112E-17	3.5658E-16	0.224158	hyper	sig	chr5_81394401
chr15	70089188	70089188	+	2.116E-17	3.573E-16	0.2962	hyper	sig	chr15_70089188
chr5	1.41E+08	141393500	+	2.118E-17	3.5761E-16	0.242296	hyper	sig	chr5_141393500
chr17	50781434	50781434	+	2.121E-17	3.5807E-16	0.270302	hyper	sig	chr17_50781434
chr13	1.13E+08	113422106	+	2.121E-17	3.5807E-16	0.274316	hyper	sig	chr13_113422106
chr6	99608940	99608940	+	2.121E-17	3.5807E-16	0.330494	hyper	sig	chr6_99608940
chr17	28384642	28384642	+	2.122E-17	3.5832E-16	-0.30903	hypo	sig	chr17_28384642
chr19	39914065	39914065	+	2.123E-17	3.5837E-16	-0.3394	hypo	sig	chr19_39914065
chr7	97021825	97021825	+	2.127E-17	3.5913E-16	0.28429	hyper	sig	chr7_97021825
chr19	12092500	12092500	+	2.127E-17	3.5915E-16	0.20297	hyper	sig	chr19_12092500
chr12	1.07E+08	106585529	+	2.128E-17	3.5922E-16	0.31987	hyper	sig	chr12_106585529
chr10	1.23E+08	122818686	+	2.129E-17	3.5942E-16	0.299405	hyper	sig	chr10_122818686
chr11	20671321	20671321	+	2.129E-17	3.5948E-16	0.242848	hyper	sig	chr11_20671321

chr21	26845424	26845424	+	2.13E-17	3.5949E-16	0.209355	hyper	sig	chr21_26845424
chr11	2142633	2142633	+	2.131E-17	3.5968E-16	-0.21733	hypo	sig	chr11_2142633
chr14	58639929	58639929	+	2.133E-17	3.5999E-16	0.232141	hyper	sig	chr14_58639929
chr4	6472154	6472154	+	2.134E-17	3.6021E-16	0.251978	hyper	sig	chr4_6472154
chr3	5023480	5023480	+	2.134E-17	3.6023E-16	-0.27497	hypo	sig	chr3_5023480
chr5	42924145	42924145	+	2.135E-17	3.6034E-16	0.265264	hyper	sig	chr5_42924145
chr16	8569955	8569955	+	2.135E-17	3.604E-16	0.272848	hyper	sig	chr16_8569955
chr7	27241572	27241572	+	2.136E-17	3.6059E-16	0.264711	hyper	sig	chr7_27241572
chr1	26863500	26863500	+	2.137E-17	3.6076E-16	-0.28402	hypo	sig	chr1_26863500
chr6	1.29E+08	128883319	+	2.14E-17	3.6116E-16	0.229464	hyper	sig	chr6_128883319
chr8	64577090	64577090	+	2.141E-17	3.6127E-16	0.332581	hyper	sig	chr8_64577090
chr1	16226903	16226903	+	2.141E-17	3.613E-16	0.275672	hyper	sig	chr1_16226903
chr6	30741235	30741235	+	2.142E-17	3.6146E-16	0.224348	hyper	sig	chr6_30741235
chr2	2.02E+08	201619228	+	2.143E-17	3.6159E-16	0.299463	hyper	sig	chr2_201619228
chr15	26866910	26866910	+	2.144E-17	3.618E-16	0.269606	hyper	sig	chr15_26866910
chr3	1.7E+08	169814043	+	2.144E-17	3.6188E-16	-0.28925	hypo	sig	chr3_169814043
chr1	1.11E+08	110675485	+	2.145E-17	3.6199E-16	0.259389	hyper	sig	chr1_110675485
chr13	20713143	20713143	+	2.148E-17	3.6249E-16	-0.25092	hypo	sig	chr13_20713143
chr16	30445001	30445001	+	2.148E-17	3.6253E-16	-0.21682	hypo	sig	chr16_30445001
chr6	34236070	34236070	+	2.151E-17	3.6292E-16	-0.27718	hypo	sig	chr6_34236070
chr1	2278568	2278568	+	2.151E-17	3.6294E-16	0.266438	hyper	sig	chr1_2278568
chr5	1.36E+08	136193607	+	2.151E-17	3.6294E-16	0.202447	hyper	sig	chr5_136193607
chr11	32426679	32426679	+	2.152E-17	3.6307E-16	0.349441	hyper	sig	chr11_32426679
chr15	98505744	98505744	+	2.152E-17	3.6307E-16	-0.26652	hypo	sig	chr15_98505744
chr7	1.56E+08	155861546	+	2.152E-17	3.6314E-16	-0.2792	hypo	sig	chr7_155861546
chr20	46057453	46057453	+	2.153E-17	3.6325E-16	0.322619	hyper	sig	chr20_46057453
chr15	88255693	88255693	+	2.153E-17	3.6328E-16	0.258443	hyper	sig	chr15_88255693
chr14	1.01E+08	100729746	+	2.154E-17	3.6329E-16	-0.24645	hypo	sig	chr14_100729746
chr5	77643776	77643776	+	2.154E-17	3.6344E-16	0.26845	hyper	sig	chr5_77643776
chr19	57584291	57584291	+	2.155E-17	3.6354E-16	0.271838	hyper	sig	chr19_57584291
chr15	82647466	82647466	+	2.156E-17	3.636E-16	0.279317	hyper	sig	chr15_82647466
chr1	2.28E+08	228464011	+	2.156E-17	3.6364E-16	0.20513	hyper	sig	chr1_228464011
chr17	48564652	48564652	+	2.159E-17	3.6425E-16	0.309306	hyper	sig	chr17_48564652
chr5	1.81E+08	181059694	+	2.16E-17	3.644E-16	0.248928	hyper	sig	chr5_181059694
chr7	1055088	1055088	+	2.163E-17	3.6479E-16	0.266041	hyper	sig	chr7_1055088
chr6	1.66E+08	166451671	+	2.165E-17	3.6509E-16	-0.28188	hypo	sig	chr6_166451671
chr4	13543647	13543647	+	2.167E-17	3.6542E-16	0.267237	hyper	sig	chr4_13543647
chr3	1.38E+08	137769526	+	2.167E-17	3.6543E-16	0.280318	hyper	sig	chr3_137769526
chr10	97975183	97975183	+	2.167E-17	3.6552E-16	0.273416	hyper	sig	chr10_97975183
chr17	79183619	79183619	+	2.168E-17	3.6554E-16	0.273598	hyper	sig	chr17_79183619
chr3	1.42E+08	141797400	+	2.17E-17	3.6591E-16	0.297825	hyper	sig	chr3_141797400
chr7	87288843	87288843	+	2.172E-17	3.6621E-16	-0.24098	hypo	sig	chr7_87288843
chr11	1006032	1006032	+	2.172E-17	3.6625E-16	0.259122	hyper	sig	chr11_1006032
chr4	1.47E+08	146638992	+	2.173E-17	3.6647E-16	0.246176	hyper	sig	chr4_146638992
chr1	1.65E+08	164575511	+	2.174E-17	3.6651E-16	0.224516	hyper	sig	chr1_164575511
chr12	1.14E+08	114395986	+	2.174E-17	3.6654E-16	0.310827	hyper	sig	chr12_114395986
chr2	1.6E+08	160408748	+	2.174E-17	3.6654E-16	0.238321	hyper	sig	chr2_160408748
chr3	37994328	37994328	+	2.174E-17	3.6658E-16	0.259409	hyper	sig	chr3_37994328
chr6	30953112	30953112	+	2.174E-17	3.6659E-16	-0.23232	hypo	sig	chr6_30953112
chr6	50714689	50714689	+	2.175E-17	3.6666E-16	0.245245	hyper	sig	chr6_50714689
chr7	1.3E+08	130272703	+	2.175E-17	3.6676E-16	0.220997	hyper	sig	chr7_130272703
chr1	26351579	26351579	+	2.176E-17	3.6694E-16	-0.27084	hypo	sig	chr1_26351579
chr12	1.32E+08	132452121	+	2.177E-17	3.67E-16	-0.28417	hypo	sig	chr12_132452121
chr7	1693636	1693636	+	2.178E-17	3.6722E-16	-0.24229	hypo	sig	chr7_1693636
chr4	1410483	1410483	+	2.179E-17	3.6742E-16	0.228937	hyper	sig	chr4_1410483
chr11	2140181	2140181	+	2.181E-17	3.6763E-16	0.256101	hyper	sig	chr11_2140181

chr11	77039369	77039369	+	2.182E-17	3.6789E-16	-0.30987	hypo	sig	chr11_77039369
chr12	1.14E+08	113796345	+	2.183E-17	3.6794E-16	0.281688	hyper	sig	chr12_113796345
chr10	1.01E+08	101062021	+	2.183E-17	3.6796E-16	-0.37738	hypo	sig	chr10_101062021
chr9	19788253	19788253	+	2.183E-17	3.6797E-16	0.269042	hyper	sig	chr9_19788253
chr18	6929702	6929702	+	2.185E-17	3.6825E-16	-0.35075	hypo	sig	chr18_6929702
chr5	1.79E+08	178502979	+	2.185E-17	3.6831E-16	-0.21486	hypo	sig	chr5_178502979
chr4	1.11E+08	110618284	+	2.185E-17	3.6832E-16	0.213807	hyper	sig	chr4_110618284
chr16	566827	566827	+	2.19E-17	3.6905E-16	0.268936	hyper	sig	chr16_566827
chr7	75394417	75394417	+	2.19E-17	3.6913E-16	-0.2287	hypo	sig	chr7_75394417
chr1	43008372	43008372	+	2.191E-17	3.6924E-16	-0.23869	hypo	sig	chr1_43008372
chr1	1.57E+08	156845187	+	2.191E-17	3.6925E-16	0.320281	hyper	sig	chr1_156845187
chr3	26622752	26622752	+	2.192E-17	3.6939E-16	0.310991	hyper	sig	chr3_26622752
chr19	4566517	4566517	+	2.193E-17	3.6952E-16	-0.31345	hypo	sig	chr19_4566517
chr16	86497209	86497209	+	2.194E-17	3.6981E-16	0.265785	hyper	sig	chr16_86497209
chr9	1.35E+08	134781811	+	2.195E-17	3.6995E-16	-0.32185	hypo	sig	chr9_134781811
chr6	1.7E+08	169801570	+	2.197E-17	3.7028E-16	-0.26052	hypo	sig	chr6_169801570
chr15	99800463	99800463	+	2.198E-17	3.7046E-16	-0.21545	hypo	sig	chr15_99800463
chr3	1.3E+08	129577053	+	2.199E-17	3.7055E-16	-0.24499	hypo	sig	chr3_129577053
chr12	1.13E+08	113464516	+	2.199E-17	3.7059E-16	0.271157	hyper	sig	chr12_113464516
chr2	2.32E+08	232419964	+	2.199E-17	3.7059E-16	0.256101	hyper	sig	chr2_232419964
chr8	1524119	1524119	+	2.202E-17	3.7102E-16	-0.25306	hypo	sig	chr8_1524119
chr4	41746653	41746653	+	2.203E-17	3.7121E-16	0.265215	hyper	sig	chr4_41746653
chr7	2803053	2803053	+	2.204E-17	3.7133E-16	-0.21538	hypo	sig	chr7_2803053
chr6	37705583	37705583	+	2.204E-17	3.714E-16	0.225221	hyper	sig	chr6_37705583
chr21	33021360	33021360	+	2.205E-17	3.7145E-16	0.25785	hyper	sig	chr21_33021360
chr19	7702189	7702189	+	2.206E-17	3.7171E-16	-0.24221	hypo	sig	chr19_7702189
chr15	82648734	82648734	+	2.208E-17	3.7203E-16	0.274649	hyper	sig	chr15_82648734
chr21	45286859	45286859	+	2.209E-17	3.7205E-16	0.261714	hyper	sig	chr21_45286859
chr3	1.72E+08	172449903	+	2.209E-17	3.7207E-16	0.289096	hyper	sig	chr3_172449903
chr13	1.08E+08	107868269	+	2.21E-17	3.7219E-16	0.279512	hyper	sig	chr13_107868269
chr4	1.85E+08	184826863	+	2.211E-17	3.7237E-16	-0.21221	hypo	sig	chr4_184826863
chr10	77629561	77629561	+	2.213E-17	3.7269E-16	-0.24756	hypo	sig	chr10_77629561
chr6	393266	393266	+	2.216E-17	3.7328E-16	0.262058	hyper	sig	chr6_393266
chr16	4373629	4373629	+	2.217E-17	3.7344E-16	0.34304	hyper	sig	chr16_4373629
chr7	1.58E+08	157651674	+	2.217E-17	3.7345E-16	-0.29407	hypo	sig	chr7_157651674
chr2	1.06E+08	106342938	+	2.22E-17	3.7382E-16	-0.30834	hypo	sig	chr2_106342938
chr5	1.35E+08	135038966	+	2.22E-17	3.7388E-16	0.442888	hyper	sig	chr5_135038966
chr1	58250597	58250597	+	2.221E-17	3.7404E-16	0.22587	hyper	sig	chr1_58250597
chr7	2729427	2729427	+	2.223E-17	3.7429E-16	0.27774	hyper	sig	chr7_2729427
chr8	23705627	23705627	+	2.224E-17	3.7454E-16	0.29816	hyper	sig	chr8_23705627
chr2	80299886	80299886	+	2.224E-17	3.7455E-16	-0.25845	hypo	sig	chr2_80299886
chr4	89836480	89836480	+	2.225E-17	3.7471E-16	0.226151	hyper	sig	chr4_89836480
chr12	89349455	89349455	+	2.226E-17	3.7484E-16	-0.26345	hypo	sig	chr12_89349455
chr13	1.12E+08	112057691	+	2.227E-17	3.7503E-16	0.276463	hyper	sig	chr13_112057691
chr1	29280837	29280837	+	2.228E-17	3.7512E-16	-0.22521	hypo	sig	chr1_29280837
chr19	50358676	50358676	+	2.228E-17	3.7522E-16	0.227143	hyper	sig	chr19_50358676
chr6	10410252	10410252	+	2.229E-17	3.7531E-16	0.35981	hyper	sig	chr6_10410252
chr11	65573490	65573490	+	2.229E-17	3.7536E-16	0.206674	hyper	sig	chr11_65573490
chr12	52703313	52703313	+	2.23E-17	3.7545E-16	-0.33893	hypo	sig	chr12_52703313
chr13	52739795	52739795	+	2.231E-17	3.7557E-16	0.34873	hyper	sig	chr13_52739795
chr19	2772255	2772255	+	2.232E-17	3.7576E-16	0.274766	hyper	sig	chr19_2772255
chr11	31822339	31822339	+	2.233E-17	3.7587E-16	0.252913	hyper	sig	chr11_31822339
chr8	1.44E+08	143664822	+	2.234E-17	3.7602E-16	-0.33422	hypo	sig	chr8_143664822
chr15	88625074	88625074	+	2.234E-17	3.7604E-16	-0.24062	hypo	sig	chr15_88625074
chr3	13073027	13073027	+	2.235E-17	3.7618E-16	0.268235	hyper	sig	chr3_13073027
chr20	24471210	24471210	+	2.235E-17	3.7623E-16	0.274769	hyper	sig	chr20_24471210

chr4	52076968	52076968	+	2.236E-17	3.7635E-16	0.304929	hyper	sig	chr4_52076968
chr6	41638078	41638078	+	2.236E-17	3.7636E-16	0.290501	hyper	sig	chr6_41638078
chr5	1.5E+08	150186374	+	2.236E-17	3.7637E-16	-0.23356	hypo	sig	chr5_150186374
chr10	1.33E+08	132848671	+	2.237E-17	3.7662E-16	-0.26242	hypo	sig	chr10_132848671
chr16	3038510	3038510	+	2.24E-17	3.7697E-16	-0.24733	hypo	sig	chr16_3038510
chr11	79439036	79439036	+	2.241E-17	3.7725E-16	0.22443	hyper	sig	chr11_79439036
chr16	833923	833923	+	2.241E-17	3.7725E-16	-0.33553	hypo	sig	chr16_833923
chr4	61201605	61201605	+	2.244E-17	3.7763E-16	0.356416	hyper	sig	chr4_61201605
chr3	1.33E+08	133039040	+	2.245E-17	3.7789E-16	0.208902	hyper	sig	chr3_133039040
chr9	970468	970468	+	2.246E-17	3.7807E-16	0.251653	hyper	sig	chr9_970468
chr14	69269032	69269032	+	2.252E-17	3.7896E-16	-0.25614	hypo	sig	chr14_69269032
chr3	44585258	44585258	+	2.253E-17	3.7917E-16	0.271856	hyper	sig	chr3_44585258
chr17	75891243	75891243	+	2.254E-17	3.7926E-16	-0.20409	hypo	sig	chr17_75891243
chr6	1625164	1625164	+	2.254E-17	3.7928E-16	0.300911	hyper	sig	chr6_1625164
chr1	2.29E+08	229432720	+	2.255E-17	3.7949E-16	0.27192	hyper	sig	chr1_229432720
chr14	89415491	89415491	+	2.255E-17	3.795E-16	0.245648	hyper	sig	chr14_89415491
chr11	2376601	2376601	+	2.256E-17	3.7959E-16	-0.23465	hypo	sig	chr11_2376601
chr8	49910694	49910694	+	2.257E-17	3.7976E-16	0.245626	hyper	sig	chr8_49910694
chr11	1.34E+08	134282106	+	2.257E-17	3.7986E-16	-0.31035	hypo	sig	chr11_134282106
chr12	1.17E+08	117189546	+	2.26E-17	3.8032E-16	0.266722	hyper	sig	chr12_117189546
chr6	1.1E+08	109979030	+	2.261E-17	3.8045E-16	0.262793	hyper	sig	chr6_109979030
chr7	1.58E+08	158351695	+	2.262E-17	3.8052E-16	-0.28091	hypo	sig	chr7_158351695
chr6	96016017	96016017	+	2.262E-17	3.8053E-16	0.352189	hyper	sig	chr6_96016017
chr10	13892225	13892225	+	2.263E-17	3.8069E-16	0.286566	hyper	sig	chr10_13892225
chr1	1.47E+08	147081027	+	2.264E-17	3.8095E-16	0.255126	hyper	sig	chr1_147081027
chr18	11752150	11752150	+	2.265E-17	3.8096E-16	0.297608	hyper	sig	chr18_11752150
chr12	1.32E+08	132339448	+	2.265E-17	3.8111E-16	-0.29932	hypo	sig	chr12_132339448
chr1	29925203	29925203	+	2.268E-17	3.8145E-16	-0.27623	hypo	sig	chr1_29925203
chr4	1.57E+08	157220340	+	2.268E-17	3.8147E-16	0.223637	hyper	sig	chr4_157220340
chr16	55323841	55323841	+	2.268E-17	3.8151E-16	0.298469	hyper	sig	chr16_55323841
chr13	19564822	19564822	+	2.269E-17	3.8162E-16	0.244442	hyper	sig	chr13_19564822
chr21	10517397	10517397	+	2.269E-17	3.8165E-16	-0.22097	hypo	sig	chr21_10517397
chr16	68642893	68642893	+	2.27E-17	3.8183E-16	0.312758	hyper	sig	chr16_68642893
chr19	53058133	53058133	+	2.271E-17	3.8201E-16	0.320916	hyper	sig	chr19_53058133
chr16	3029753	3029753	+	2.274E-17	3.8243E-16	0.261524	hyper	sig	chr16_3029753
chr16	1461228	1461228	+	2.278E-17	3.8319E-16	0.251743	hyper	sig	chr16_1461228
chr2	2.08E+08	207926872	+	2.279E-17	3.8327E-16	0.247314	hyper	sig	chr2_207926872
chr13	57633506	57633506	+	2.279E-17	3.8338E-16	0.298645	hyper	sig	chr13_57633506
chr3	1.13E+08	113441466	+	2.281E-17	3.8355E-16	0.29836	hyper	sig	chr3_113441466
chr4	4864840	4864840	+	2.281E-17	3.8365E-16	0.342675	hyper	sig	chr4_4864840
chr16	88953099	88953099	+	2.284E-17	3.8408E-16	0.267489	hyper	sig	chr16_88953099
chr16	991065	991065	+	2.284E-17	3.8413E-16	-0.29064	hypo	sig	chr16_991065
chr3	1.47E+08	147391980	+	2.285E-17	3.8422E-16	0.283149	hyper	sig	chr3_147391980
chr7	1.55E+08	155374873	+	2.285E-17	3.8422E-16	0.225116	hyper	sig	chr7_155374873
chr6	65627621	65627621	+	2.285E-17	3.8425E-16	-0.29342	hypo	sig	chr6_65627621
chr10	1.19E+08	118595943	+	2.285E-17	3.8429E-16	0.41898	hyper	sig	chr10_118595943
chr16	29181970	29181970	+	2.285E-17	3.8429E-16	-0.21599	hypo	sig	chr16_29181970
chr19	3881308	3881308	+	2.285E-17	3.8429E-16	0.268384	hyper	sig	chr19_3881308
chr12	1.14E+08	114414494	+	2.287E-17	3.845E-16	0.361412	hyper	sig	chr12_114414494
chr5	1.41E+08	141403431	+	2.287E-17	3.845E-16	0.243272	hyper	sig	chr5_141403431
chr2	1.13E+08	113275818	+	2.287E-17	3.8454E-16	0.248136	hyper	sig	chr2_113275818
chr22	23454508	23454508	+	2.289E-17	3.8482E-16	-0.31966	hypo	sig	chr22_23454508
chr16	3962996	3962996	+	2.29E-17	3.8501E-16	-0.26785	hypo	sig	chr16_3962996
chr7	5608352	5608352	+	2.29E-17	3.8501E-16	-0.36438	hypo	sig	chr7_5608352
chr4	57195706	57195706	+	2.297E-17	3.8615E-16	-0.28634	hypo	sig	chr4_57195706
chr4	2358215	2358215	+	2.3E-17	3.8665E-16	0.240233	hyper	sig	chr4_2358215

chr6	93417946	93417946	+	2.301E-17	3.8689E-16	0.227919	hyper	sig	chr6_93417946
chr5	1.41E+08	141345668	+	2.303E-17	3.871E-16	0.28171	hyper	sig	chr5_141345668
chr19	3802577	3802577	+	2.303E-17	3.8722E-16	-0.2171	hypo	sig	chr19_3802577
chr19	32228032	32228032	+	2.304E-17	3.8728E-16	-0.34782	hypo	sig	chr19_32228032
chr19	38813169	38813169	+	2.304E-17	3.8732E-16	-0.22996	hypo	sig	chr19_38813169
chr3	1.53E+08	153281563	+	2.304E-17	3.8732E-16	-0.29132	hypo	sig	chr3_153281563
chr19	4229890	4229890	+	2.305E-17	3.8748E-16	-0.31922	hypo	sig	chr19_4229890
chr7	90321136	90321136	+	2.306E-17	3.8754E-16	0.225783	hyper	sig	chr7_90321136
chr12	1.13E+08	113479836	+	2.306E-17	3.8755E-16	0.301396	hyper	sig	chr12_113479836
chr6	1.68E+08	167989530	+	2.306E-17	3.8763E-16	-0.22231	hypo	sig	chr6_167989530
chr10	99530580	99530580	+	2.306E-17	3.8764E-16	0.234754	hyper	sig	chr10_99530580
chr3	1.23E+08	122994101	+	2.308E-17	3.8783E-16	-0.25779	hypo	sig	chr3_122994101
chr12	54053565	54053565	+	2.31E-17	3.8818E-16	0.279064	hyper	sig	chr12_54053565
chr13	1.12E+08	111535115	+	2.31E-17	3.8824E-16	0.226794	hyper	sig	chr13_111535115
chr6	28490119	28490119	+	2.31E-17	3.8827E-16	0.252484	hyper	sig	chr6_28490119
chr19	8589602	8589602	+	2.312E-17	3.8858E-16	-0.33263	hypo	sig	chr19_8589602
chr1	50416228	50416228	+	2.313E-17	3.8869E-16	0.273031	hyper	sig	chr1_50416228
chr3	1.57E+08	156555697	+	2.314E-17	3.8888E-16	-0.26018	hypo	sig	chr3_156555697
chr3	1.24E+08	123699944	+	2.315E-17	3.891E-16	0.279199	hyper	sig	chr3_123699944
chr1	1.12E+08	111743357	+	2.316E-17	3.8913E-16	-0.24116	hypo	sig	chr1_111743357
chr19	1908156	1908156	+	2.319E-17	3.8971E-16	-0.27023	hypo	sig	chr19_1908156
chr16	85089812	85089812	+	2.322E-17	3.901E-16	0.221607	hyper	sig	chr16_85089812
chr10	49679524	49679524	+	2.323E-17	3.9028E-16	0.226967	hyper	sig	chr10_49679524
chr2	1.3E+08	129587655	+	2.323E-17	3.903E-16	0.307996	hyper	sig	chr2_129587655
chr17	1004489	1004489	+	2.325E-17	3.9057E-16	0.237431	hyper	sig	chr17_1004489
chr16	89052630	89052630	+	2.325E-17	3.9064E-16	-0.4452	hypo	sig	chr16_89052630
chr19	49528204	49528204	+	2.329E-17	3.9133E-16	0.322165	hyper	sig	chr19_49528204
chr7	4723594	4723594	+	2.33E-17	3.9152E-16	0.208965	hyper	sig	chr7_4723594
chr3	44021931	44021931	+	2.332E-17	3.9178E-16	0.268163	hyper	sig	chr3_44021931
chr17	75557802	75557802	+	2.334E-17	3.9208E-16	-0.25349	hypo	sig	chr17_75557802
chr7	6160506	6160506	+	2.336E-17	3.9242E-16	0.311828	hyper	sig	chr7_6160506
chr11	85934732	85934732	+	2.336E-17	3.9247E-16	0.346646	hyper	sig	chr11_85934732
chr2	1.3E+08	129801621	+	2.337E-17	3.9254E-16	-0.21312	hypo	sig	chr2_129801621
chr4	41744654	41744654	+	2.338E-17	3.9269E-16	0.21765	hyper	sig	chr4_41744654
chr4	1.21E+08	121380443	+	2.338E-17	3.9269E-16	0.270941	hyper	sig	chr4_121380443
chr20	4761835	4761835	+	2.338E-17	3.9282E-16	-0.34689	hypo	sig	chr20_4761835
chr13	78594281	78594281	+	2.341E-17	3.932E-16	0.314599	hyper	sig	chr13_78594281
chr17	14206354	14206354	+	2.341E-17	3.9323E-16	-0.27448	hypo	sig	chr17_14206354
chr16	57639346	57639346	+	2.342E-17	3.9336E-16	0.269377	hyper	sig	chr16_57639346
chr17	56590229	56590229	+	2.343E-17	3.9352E-16	-0.26114	hypo	sig	chr17_56590229
chr11	55872896	55872896	+	2.343E-17	3.9361E-16	0.327759	hyper	sig	chr11_55872896
chr2	2.19E+08	219332854	+	2.345E-17	3.939E-16	0.269917	hyper	sig	chr2_219332854
chr1	47434958	47434958	+	2.348E-17	3.9436E-16	0.337359	hyper	sig	chr1_47434958
chr4	1.63E+08	163343735	+	2.348E-17	3.9441E-16	0.226564	hyper	sig	chr4_163343735
chr5	1.41E+08	141096177	+	2.348E-17	3.9441E-16	0.31395	hyper	sig	chr5_141096177
chr6	1.68E+08	167678160	+	2.349E-17	3.9457E-16	0.289708	hyper	sig	chr6_167678160
chr19	9498721	9498721	+	2.35E-17	3.9458E-16	0.284238	hyper	sig	chr19_9498721
chr14	1.04E+08	103718798	+	2.35E-17	3.9466E-16	0.32149	hyper	sig	chr14_103718798
chr19	38557383	38557383	+	2.35E-17	3.9472E-16	-0.29686	hypo	sig	chr19_38557383
chr2	1939230	1939230	+	2.353E-17	3.9506E-16	-0.39273	hypo	sig	chr2_1939230
chr13	63811508	63811508	+	2.356E-17	3.9564E-16	-0.27269	hypo	sig	chr13_63811508
chr8	97278135	97278135	+	2.356E-17	3.9565E-16	0.262228	hyper	sig	chr8_97278135
chr19	36776116	36776116	+	2.358E-17	3.96E-16	0.366501	hyper	sig	chr19_36776116
chr12	22375669	22375669	+	2.359E-17	3.961E-16	-0.21279	hypo	sig	chr12_22375669
chr5	1.35E+08	135027782	+	2.359E-17	3.9614E-16	0.296638	hyper	sig	chr5_135027782
chr17	6714261	6714261	+	2.36E-17	3.9617E-16	0.25352	hyper	sig	chr17_6714261

chr19	45398309	45398309	+	2.36E-17	3.9619E-16	0.268752	hyper	sig	chr19_45398309
chr16	761064	761064	+	2.36E-17	3.9619E-16	-0.27428	hypo	sig	chr16_761064
chr5	1394541	1394541	+	2.36E-17	3.9628E-16	0.277629	hyper	sig	chr5_1394541
chr4	1212076	1212076	+	2.364E-17	3.9689E-16	0.322695	hyper	sig	chr4_1212076
chr20	63657653	63657653	+	2.365E-17	3.9707E-16	0.257983	hyper	sig	chr20_63657653
chr5	1.41E+08	140870851	+	2.366E-17	3.9716E-16	0.295464	hyper	sig	chr5_140870851
chr4	1.47E+08	147481027	+	2.368E-17	3.9761E-16	0.367391	hyper	sig	chr4_147481027
chr8	24914993	24914993	+	2.369E-17	3.9775E-16	0.218216	hyper	sig	chr8_24914993
chr2	74515251	74515251	+	2.371E-17	3.9801E-16	0.311676	hyper	sig	chr2_74515251
chr8	25001428	25001428	+	2.372E-17	3.9825E-16	0.24075	hyper	sig	chr8_25001428
chr13	57630963	57630963	+	2.373E-17	3.9826E-16	0.241155	hyper	sig	chr13_57630963
chr14	60506799	60506799	+	2.376E-17	3.9885E-16	0.279996	hyper	sig	chr14_60506799
chr8	1.45E+08	145007651	+	2.376E-17	3.9885E-16	0.270814	hyper	sig	chr8_145007651
chr2	2.39E+08	239312989	+	2.377E-17	3.9893E-16	0.344228	hyper	sig	chr2_239312989
chr2	2.32E+08	232486872	+	2.377E-17	3.9894E-16	0.281322	hyper	sig	chr2_232486872
chr15	74367924	74367924	+	2.379E-17	3.9927E-16	-0.23294	hypo	sig	chr15_74367924
chr5	959119	959119	+	2.379E-17	3.9928E-16	-0.33751	hypo	sig	chr5_959119
chr2	8574380	8574380	+	2.381E-17	3.9963E-16	-0.34438	hypo	sig	chr2_8574380
chr10	25935065	25935065	+	2.383E-17	3.9985E-16	0.248038	hyper	sig	chr10_25935065
chr13	70107912	70107912	+	2.385E-17	4.0023E-16	0.326218	hyper	sig	chr13_70107912
chr2	2.28E+08	228181836	+	2.385E-17	4.0023E-16	0.337503	hyper	sig	chr2_228181836
chr10	1.22E+08	122164007	+	2.385E-17	4.0024E-16	0.27499	hyper	sig	chr10_122164007
chr2	5696099	5696099	+	2.386E-17	4.0032E-16	0.270311	hyper	sig	chr2_5696099
chr7	54957148	54957148	+	2.387E-17	4.0059E-16	-0.26689	hypo	sig	chr7_54957148
chr6	1.69E+08	168885862	+	2.387E-17	4.0062E-16	-0.30446	hypo	sig	chr6_168885862
chr8	39314569	39314569	+	2.39E-17	4.0097E-16	0.271422	hyper	sig	chr8_39314569
chr7	1538133	1538133	+	2.39E-17	4.0106E-16	0.282001	hyper	sig	chr7_1538133
chr17	8397897	8397897	+	2.39E-17	4.0108E-16	-0.26825	hypo	sig	chr17_8397897
chr11	66049147	66049147	+	2.392E-17	4.0143E-16	0.332818	hyper	sig	chr11_66049147
chr8	1.4E+08	139703525	+	2.393E-17	4.0151E-16	0.323244	hyper	sig	chr8_139703525
chr12	1.31E+08	130954006	+	2.394E-17	4.0173E-16	0.2609	hyper	sig	chr12_130954006
chr14	1.05E+08	104844379	+	2.394E-17	4.0173E-16	0.247669	hyper	sig	chr14_104844379
chr7	39410594	39410594	+	2.395E-17	4.018E-16	-0.22805	hypo	sig	chr7_39410594
chr14	94773039	94773039	+	2.396E-17	4.0193E-16	0.311458	hyper	sig	chr14_94773039
chr19	30450986	30450986	+	2.396E-17	4.0201E-16	0.285512	hyper	sig	chr19_30450986
chr12	45051074	45051074	+	2.399E-17	4.0241E-16	0.250274	hyper	sig	chr12_45051074
chr20	38731053	38731053	+	2.399E-17	4.0246E-16	0.202103	hyper	sig	chr20_38731053
chr2	2.22E+08	222298259	+	2.401E-17	4.0279E-16	0.217595	hyper	sig	chr2_222298259
chr11	20162624	20162624	+	2.401E-17	4.028E-16	0.302109	hyper	sig	chr11_20162624
chr7	1.58E+08	157565222	+	2.402E-17	4.0292E-16	-0.22196	hypo	sig	chr7_157565222
chr19	56643876	56643876	+	2.403E-17	4.0309E-16	0.324241	hyper	sig	chr19_56643876
chr7	1.58E+08	158450835	+	2.404E-17	4.0322E-16	-0.23935	hypo	sig	chr7_158450835
chr10	29516056	29516056	+	2.404E-17	4.0327E-16	0.21409	hyper	sig	chr10_29516056
chr14	68817300	68817300	+	2.404E-17	4.0328E-16	0.240938	hyper	sig	chr14_68817300
chr1	7596468	7596468	+	2.405E-17	4.0347E-16	-0.37919	hypo	sig	chr1_7596468
chr1	20476342	20476342	+	2.406E-17	4.0351E-16	-0.23222	hypo	sig	chr1_20476342
chr7	4833295	4833295	+	2.406E-17	4.0351E-16	-0.21285	hypo	sig	chr7_4833295
chr11	1.27E+08	127000655	+	2.407E-17	4.0365E-16	0.227398	hyper	sig	chr11_127000655
chr5	51389780	51389780	+	2.407E-17	4.0375E-16	0.242102	hyper	sig	chr5_51389780
chr6	1.66E+08	165988596	+	2.408E-17	4.0385E-16	0.269919	hyper	sig	chr6_165988596
chr20	62740258	62740258	+	2.409E-17	4.0398E-16	-0.2666	hypo	sig	chr20_62740258
chr13	1.12E+08	112250124	+	2.411E-17	4.0434E-16	-0.33514	hypo	sig	chr13_112250124
chr10	1.01E+08	101228184	+	2.411E-17	4.0435E-16	0.242117	hyper	sig	chr10_101228184
chr11	31797270	31797270	+	2.412E-17	4.0446E-16	0.274114	hyper	sig	chr11_31797270
chr1	2.13E+08	213016431	+	2.414E-17	4.0476E-16	-0.3011	hypo	sig	chr1_213016431
chr20	56343981	56343981	+	2.416E-17	4.0518E-16	0.248073	hyper	sig	chr20_56343981

chr10	1.29E+08	128541052	+	2.417E-17	4.053E-16	0.269438	hyper	sig	chr10_128541052
chr16	4795721	4795721	+	2.418E-17	4.0542E-16	-0.27819	hypo	sig	chr16_4795721
chr19	53058067	53058067	+	2.418E-17	4.0545E-16	0.455365	hyper	sig	chr19_53058067
chr17	38575924	38575924	+	2.42E-17	4.0577E-16	0.264487	hyper	sig	chr17_38575924
chr3	79766503	79766503	+	2.422E-17	4.0606E-16	0.267705	hyper	sig	chr3_79766503
chr19	46413851	46413851	+	2.424E-17	4.0645E-16	0.306916	hyper	sig	chr19_46413851
chr4	5709574	5709574	+	2.425E-17	4.0657E-16	-0.24667	hypo	sig	chr4_5709574
chr4	41881155	41881155	+	2.425E-17	4.0657E-16	0.244006	hyper	sig	chr4_41881155
chr1	1963808	1963808	+	2.426E-17	4.0667E-16	-0.28009	hypo	sig	chr1_1963808
chr3	1.72E+08	172448113	+	2.429E-17	4.0719E-16	0.302265	hyper	sig	chr3_172448113
chr12	9943519	9943519	+	2.431E-17	4.0758E-16	0.249472	hyper	sig	chr12_9943519
chr1	63320262	63320262	+	2.431E-17	4.076E-16	0.265324	hyper	sig	chr1_63320262
chr16	7304492	7304492	+	2.433E-17	4.0791E-16	0.327546	hyper	sig	chr16_7304492
chr17	35515220	35515220	+	2.434E-17	4.08E-16	0.261178	hyper	sig	chr17_35515220
chr2	2.27E+08	226798515	+	2.437E-17	4.0847E-16	0.213331	hyper	sig	chr2_226798515
chr5	1885483	1885483	+	2.437E-17	4.0852E-16	0.316344	hyper	sig	chr5_1885483
chr9	1.33E+08	132583246	+	2.438E-17	4.0867E-16	0.337181	hyper	sig	chr9_132583246
chr11	2825802	2825802	+	2.439E-17	4.0874E-16	0.269356	hyper	sig	chr11_2825802
chr9	1.27E+08	126718651	+	2.439E-17	4.0887E-16	-0.24453	hypo	sig	chr9_126718651
chr10	1.33E+08	132880850	+	2.441E-17	4.091E-16	-0.22405	hypo	sig	chr10_132880850
chr7	64942704	64942704	+	2.441E-17	4.091E-16	0.268707	hyper	sig	chr7_64942704
chr5	64506714	64506714	+	2.442E-17	4.0923E-16	0.221195	hyper	sig	chr5_64506714
chr17	55845687	55845687	+	2.443E-17	4.0946E-16	0.328883	hyper	sig	chr17_55845687
chr4	7193385	7193385	+	2.444E-17	4.0953E-16	0.234019	hyper	sig	chr4_7193385
chr6	83430311	83430311	+	2.444E-17	4.0963E-16	-0.27804	hypo	sig	chr6_83430311
chr19	8065771	8065771	+	2.445E-17	4.0972E-16	-0.33216	hypo	sig	chr19_8065771
chr19	16283963	16283963	+	2.447E-17	4.1005E-16	0.20981	hyper	sig	chr19_16283963
chr16	77789305	77789305	+	2.448E-17	4.1022E-16	0.298751	hyper	sig	chr16_77789305
chr12	1.1E+08	109833659	+	2.45E-17	4.1054E-16	0.305183	hyper	sig	chr12_109833659
chr12	70920604	70920604	+	2.45E-17	4.1056E-16	0.29405	hyper	sig	chr12_70920604
chr7	1.59E+08	159091078	+	2.451E-17	4.1074E-16	-0.29149	hypo	sig	chr7_159091078
chr13	57629566	57629566	+	2.452E-17	4.1076E-16	0.318791	hyper	sig	chr13_57629566
chr5	1.41E+08	141375688	+	2.457E-17	4.1174E-16	0.266964	hyper	sig	chr5_141375688
chr19	17406126	17406126	+	2.458E-17	4.1175E-16	-0.27369	hypo	sig	chr19_17406126
chr11	2869345	2869345	+	2.459E-17	4.119E-16	0.248634	hyper	sig	chr11_2869345
chr15	62941050	62941050	+	2.459E-17	4.1203E-16	0.317349	hyper	sig	chr15_62941050
chr7	98869315	98869315	+	2.461E-17	4.1231E-16	0.291702	hyper	sig	chr7_98869315
chr1	2404451	2404451	+	2.462E-17	4.1237E-16	0.226874	hyper	sig	chr1_2404451
chr3	44022128	44022128	+	2.462E-17	4.1237E-16	0.223803	hyper	sig	chr3_44022128
chr13	25301157	25301157	+	2.464E-17	4.1275E-16	0.302128	hyper	sig	chr13_25301157
chr11	69819580	69819580	+	2.464E-17	4.1279E-16	0.267724	hyper	sig	chr11_69819580
chr6	84772900	84772900	+	2.465E-17	4.1288E-16	0.29245	hyper	sig	chr6_84772900
chr10	95231071	95231071	+	2.466E-17	4.1299E-16	0.294388	hyper	sig	chr10_95231071
chr12	57869409	57869409	+	2.469E-17	4.1352E-16	0.276249	hyper	sig	chr12_57869409
chr6	393179	393179	+	2.472E-17	4.141E-16	0.280759	hyper	sig	chr6_393179
chr3	16174589	16174589	+	2.476E-17	4.1465E-16	0.278256	hyper	sig	chr3_16174589
chr16	31527984	31527984	+	2.48E-17	4.1528E-16	-0.30352	hypo	sig	chr16_31527984
chr19	6703174	6703174	+	2.48E-17	4.1531E-16	-0.23139	hypo	sig	chr19_6703174
chr4	6727133	6727133	+	2.48E-17	4.1531E-16	0.278172	hyper	sig	chr4_6727133
chr11	45930277	45930277	+	2.481E-17	4.1546E-16	-0.22359	hypo	sig	chr11_45930277
chr3	1.82E+08	181725221	+	2.482E-17	4.1564E-16	0.275268	hyper	sig	chr3_181725221
chr8	97278160	97278160	+	2.483E-17	4.1573E-16	0.252956	hyper	sig	chr8_97278160
chr12	49342053	49342053	+	2.486E-17	4.163E-16	0.370427	hyper	sig	chr12_49342053
chr22	25400797	25400797	+	2.486E-17	4.1634E-16	-0.23593	hypo	sig	chr22_25400797
chr20	1898067	1898067	+	2.487E-17	4.1644E-16	-0.32203	hypo	sig	chr20_1898067
chr9	1.34E+08	133609586	+	2.488E-17	4.1664E-16	0.260679	hyper	sig	chr9_133609586

chr2	72147129	72147129	+	2.489E-17	4.1667E-16	0.219166	hyper	sig	chr2_72147129
chr1	2.36E+08	235642470	+	2.49E-17	4.1686E-16	-0.25202	hypo	sig	chr1_235642470
chr19	36255907	36255907	+	2.49E-17	4.1691E-16	-0.20326	hypo	sig	chr19_36255907
chr2	1.05E+08	104864290	+	2.491E-17	4.1698E-16	0.24087	hyper	sig	chr2_104864290
chr16	66566430	66566430	+	2.491E-17	4.17E-16	0.22108	hyper	sig	chr16_66566430
chr4	41747323	41747323	+	2.493E-17	4.1736E-16	0.405324	hyper	sig	chr4_41747323
chr20	21517473	21517473	+	2.495E-17	4.1769E-16	0.291349	hyper	sig	chr20_21517473
chr6	1.69E+08	169186757	+	2.495E-17	4.177E-16	-0.2018	hypo	sig	chr6_169186757
chr15	24477867	24477867	+	2.495E-17	4.1771E-16	0.218362	hyper	sig	chr15_24477867
chr1	1.5E+08	150151541	+	2.495E-17	4.1773E-16	0.271977	hyper	sig	chr1_150151541
chr11	66049117	66049117	+	2.496E-17	4.1774E-16	0.309788	hyper	sig	chr11_66049117
chr18	76460115	76460115	+	2.497E-17	4.1799E-16	0.303754	hyper	sig	chr18_76460115
chr16	66975223	66975223	+	2.499E-17	4.1825E-16	-0.32107	hypo	sig	chr16_66975223
chr17	4959850	4959850	+	2.501E-17	4.1868E-16	-0.21552	hypo	sig	chr17_4959850
chr7	1.22E+08	122310838	+	2.502E-17	4.1876E-16	0.280745	hyper	sig	chr7_122310838
chr5	37834807	37834807	+	2.502E-17	4.1884E-16	0.219654	hyper	sig	chr5_37834807
chr15	37102930	37102930	+	2.503E-17	4.1888E-16	0.258339	hyper	sig	chr15_37102930
chr12	1.14E+08	114480829	+	2.505E-17	4.1918E-16	0.256238	hyper	sig	chr12_114480829
chr19	841082	841082	+	2.505E-17	4.1928E-16	-0.28324	hypo	sig	chr19_841082
chr14	53938634	53938634	+	2.505E-17	4.1929E-16	-0.30597	hypo	sig	chr14_53938634
chr11	1101401	1101401	+	2.506E-17	4.1946E-16	-0.313	hypo	sig	chr11_1101401
chr14	44912019	44912019	+	2.507E-17	4.195E-16	0.326101	hyper	sig	chr14_44912019
chr16	85697653	85697653	+	2.508E-17	4.1972E-16	-0.26724	hypo	sig	chr16_85697653
chr15	79090253	79090253	+	2.508E-17	4.1978E-16	0.268565	hyper	sig	chr15_79090253
chr2	1.97E+08	196592475	+	2.511E-17	4.2019E-16	0.287428	hyper	sig	chr2_196592475
chr22	50314617	50314617	+	2.512E-17	4.2042E-16	-0.28629	hypo	sig	chr22_50314617
chr1	3275096	3275096	+	2.512E-17	4.2043E-16	-0.24422	hypo	sig	chr1_3275096
chr7	1747604	1747604	+	2.515E-17	4.2081E-16	-0.26947	hypo	sig	chr7_1747604
chr6	75201998	75201998	+	2.516E-17	4.2093E-16	0.221876	hyper	sig	chr6_75201998
chr20	63494864	63494864	+	2.516E-17	4.2104E-16	-0.33052	hypo	sig	chr20_63494864
chr12	1.32E+08	132202678	+	2.517E-17	4.2111E-16	-0.30193	hypo	sig	chr12_132202678
chr1	18480488	18480488	+	2.52E-17	4.216E-16	-0.24746	hypo	sig	chr1_18480488
chr10	43667431	43667431	+	2.52E-17	4.217E-16	0.273766	hyper	sig	chr10_43667431
chr19	5799382	5799382	+	2.521E-17	4.2174E-16	-0.259	hypo	sig	chr19_5799382
chr5	80565426	80565426	+	2.522E-17	4.2203E-16	-0.2578	hypo	sig	chr5_80565426
chr13	27970529	27970529	+	2.523E-17	4.221E-16	0.240203	hyper	sig	chr13_27970529
chr6	32166935	32166935	+	2.524E-17	4.2223E-16	0.21167	hyper	sig	chr6_32166935
chr6	1.23E+08	122997826	+	2.525E-17	4.2249E-16	-0.29681	hypo	sig	chr6_122997826
chr2	27715269	27715269	+	2.528E-17	4.2294E-16	0.220021	hyper	sig	chr2_27715269
chr19	56671617	56671617	+	2.529E-17	4.2302E-16	0.305423	hyper	sig	chr19_56671617
chr19	3179018	3179018	+	2.529E-17	4.2305E-16	-0.27618	hypo	sig	chr19_3179018
chr4	8200764	8200764	+	2.534E-17	4.2382E-16	-0.27938	hypo	sig	chr4_8200764
chr4	1.9E+08	190019092	+	2.534E-17	4.2385E-16	0.268694	hyper	sig	chr4_190019092
chr3	13637800	13637800	+	2.536E-17	4.2413E-16	-0.29882	hypo	sig	chr3_13637800
chr5	1.41E+08	141188728	+	2.536E-17	4.2421E-16	0.301644	hyper	sig	chr5_141188728
chr18	77979311	77979311	+	2.536E-17	4.2422E-16	-0.28923	hypo	sig	chr18_77979311
chr7	1E+08	100093563	+	2.538E-17	4.2453E-16	0.251273	hyper	sig	chr7_100093563
chr6	31580803	31580803	+	2.538E-17	4.2453E-16	0.208092	hyper	sig	chr6_31580803
chr16	1247831	1247831	+	2.539E-17	4.2458E-16	-0.25494	hypo	sig	chr16_1247831
chr19	2358629	2358629	+	2.539E-17	4.2459E-16	-0.34343	hypo	sig	chr19_2358629
chr1	24931550	24931550	+	2.541E-17	4.2505E-16	0.285087	hyper	sig	chr1_24931550
chr17	48725456	48725456	+	2.542E-17	4.2509E-16	0.267072	hyper	sig	chr17_48725456
chr19	53906395	53906395	+	2.542E-17	4.252E-16	0.313742	hyper	sig	chr19_53906395
chr12	49955559	49955559	+	2.544E-17	4.2538E-16	0.333092	hyper	sig	chr12_49955559
chr3	1.47E+08	147409859	+	2.545E-17	4.2565E-16	0.301878	hyper	sig	chr3_147409859
chr11	31803596	31803596	+	2.547E-17	4.2588E-16	0.252793	hyper	sig	chr11_31803596

chr4	4226464	4226464	+	2.548E-17	4.2602E-16	0.260038	hyper	sig	chr4_4226464
chr5	45695100	45695100	+	2.548E-17	4.2606E-16	0.293498	hyper	sig	chr5_45695100
chr20	9838626	9838626	+	2.549E-17	4.2623E-16	0.277764	hyper	sig	chr20_9838626
chr4	1.74E+08	173527542	+	2.549E-17	4.2625E-16	0.285432	hyper	sig	chr4_173527542
chr4	4872273	4872273	+	2.55E-17	4.2638E-16	0.279714	hyper	sig	chr4_4872273
chr7	25950210	25950210	+	2.551E-17	4.2654E-16	-0.24838	hypo	sig	chr7_25950210
chr5	1.23E+08	123099898	+	2.552E-17	4.2669E-16	-0.25177	hypo	sig	chr5_123099898
chr7	1.22E+08	122310296	+	2.553E-17	4.2688E-16	0.220822	hyper	sig	chr7_122310296
chr7	27122675	27122675	+	2.554E-17	4.2698E-16	-0.31464	hypo	sig	chr7_27122675
chr16	2082598	2082598	+	2.554E-17	4.2699E-16	0.259845	hyper	sig	chr16_2082598
chr16	49275294	49275294	+	2.558E-17	4.276E-16	0.289234	hyper	sig	chr16_49275294
chr2	2.01E+08	200586580	+	2.558E-17	4.2766E-16	0.331761	hyper	sig	chr2_200586580
chr2	85765452	85765452	+	2.559E-17	4.2777E-16	-0.31776	hypo	sig	chr2_85765452
chr16	51151106	51151106	+	2.56E-17	4.2793E-16	0.412397	hyper	sig	chr16_51151106
chr16	84527249	84527249	+	2.561E-17	4.2814E-16	0.221854	hyper	sig	chr16_84527249
chr10	62820600	62820600	+	2.562E-17	4.2822E-16	-0.22367	hypo	sig	chr10_62820600
chr7	1.57E+08	157078542	+	2.562E-17	4.2828E-16	0.26115	hyper	sig	chr7_157078542
chr10	1.33E+08	132940892	+	2.562E-17	4.283E-16	-0.29714	hypo	sig	chr10_132940892
chr6	50849486	50849486	+	2.562E-17	4.2834E-16	0.303454	hyper	sig	chr6_50849486
chr16	67165646	67165646	+	2.563E-17	4.2844E-16	0.341545	hyper	sig	chr16_67165646
chr9	1.18E+08	117744990	+	2.564E-17	4.285E-16	0.200278	hyper	sig	chr9_117744990
chr3	1.95E+08	194688108	+	2.568E-17	4.2923E-16	0.241346	hyper	sig	chr3_194688108
chr6	1.66E+08	165662046	+	2.573E-17	4.3003E-16	0.26432	hyper	sig	chr6_165662046
chr1	2.24E+08	223716539	+	2.575E-17	4.3038E-16	0.242219	hyper	sig	chr1_223716539
chr4	1.76E+08	176001561	+	2.578E-17	4.3082E-16	0.29099	hyper	sig	chr4_176001561
chr7	1.29E+08	128697712	+	2.578E-17	4.3082E-16	0.327294	hyper	sig	chr7_128697712
chr17	81727518	81727518	+	2.581E-17	4.3125E-16	-0.24578	hypo	sig	chr17_81727518
chr2	2.13E+08	212537478	+	2.581E-17	4.3132E-16	0.204085	hyper	sig	chr2_212537478
chr5	33982103	33982103	+	2.581E-17	4.3134E-16	0.217055	hyper	sig	chr5_33982103
chr1	16535834	16535834	+	2.582E-17	4.3145E-16	0.255025	hyper	sig	chr1_16535834
chr5	45696328	45696328	+	2.584E-17	4.3174E-16	0.270073	hyper	sig	chr5_45696328
chr1	19448495	19448495	+	2.584E-17	4.3184E-16	0.249862	hyper	sig	chr1_19448495
chr12	1.28E+08	128366173	+	2.591E-17	4.3292E-16	0.249559	hyper	sig	chr12_128366173
chr22	39456785	39456785	+	2.593E-17	4.3333E-16	0.352815	hyper	sig	chr22_39456785
chr12	1.3E+08	130162708	+	2.597E-17	4.3396E-16	0.25351	hyper	sig	chr12_130162708
chr8	41542797	41542797	+	2.597E-17	4.3396E-16	0.264761	hyper	sig	chr8_41542797
chr16	66468587	66468587	+	2.6E-17	4.3446E-16	-0.24806	hypo	sig	chr16_66468587
chr14	76138745	76138745	+	2.601E-17	4.3459E-16	0.327884	hyper	sig	chr14_76138745
chr10	1.31E+08	131410764	+	2.601E-17	4.3461E-16	-0.27465	hypo	sig	chr10_131410764
chr2	73983763	73983763	+	2.602E-17	4.3463E-16	-0.22643	hypo	sig	chr2_73983763
chr9	1.37E+08	137022456	+	2.602E-17	4.3467E-16	-0.25198	hypo	sig	chr9_137022456
chr14	28778522	28778522	+	2.604E-17	4.3497E-16	0.216572	hyper	sig	chr14_28778522
chr9	95102836	95102836	+	2.604E-17	4.3506E-16	0.276195	hyper	sig	chr9_95102836
chr1	3593981	3593981	+	2.605E-17	4.3516E-16	-0.31422	hypo	sig	chr1_3593981
chr20	45306639	45306639	+	2.606E-17	4.3526E-16	0.247387	hyper	sig	chr20_45306639
chr4	1.67E+08	167234104	+	2.607E-17	4.3556E-16	0.222735	hyper	sig	chr4_167234104
chr5	31193819	31193819	+	2.609E-17	4.3573E-16	0.318856	hyper	sig	chr5_31193819
chr10	1.3E+08	129972541	+	2.609E-17	4.3574E-16	0.353611	hyper	sig	chr10_129972541
chr16	31569668	31569668	+	2.609E-17	4.3587E-16	0.275048	hyper	sig	chr16_31569668
chr17	42852044	42852044	+	2.61E-17	4.3598E-16	0.330112	hyper	sig	chr17_42852044
chr5	45696442	45696442	+	2.612E-17	4.362E-16	0.2971	hyper	sig	chr5_45696442
chr7	1195292	1195292	+	2.612E-17	4.3624E-16	-0.2721	hypo	sig	chr7_1195292
chr19	48747304	48747304	+	2.612E-17	4.3627E-16	0.277694	hyper	sig	chr19_48747304
chr7	66152378	66152378	+	2.613E-17	4.3636E-16	0.251977	hyper	sig	chr7_66152378
chr12	1.07E+08	106585142	+	2.613E-17	4.364E-16	0.225421	hyper	sig	chr12_106585142
chr17	3697252	3697252	+	2.613E-17	4.3645E-16	0.268045	hyper	sig	chr17_3697252

chr5	1.67E+08	166978482	+	2.614E-17	4.3659E-16	0.245243	hyper	sig	chr5_166978482
chr10	1.01E+08	100659807	+	2.616E-17	4.368E-16	0.228118	hyper	sig	chr10_100659807
chr19	22263264	22263264	+	2.621E-17	4.3771E-16	-0.21647	hypo	sig	chr19_22263264
chr16	1488802	1488802	+	2.622E-17	4.3788E-16	-0.21186	hypo	sig	chr16_1488802
chr12	6125091	6125091	+	2.624E-17	4.3813E-16	-0.22197	hypo	sig	chr12_6125091
chr14	36514650	36514650	+	2.625E-17	4.3828E-16	0.204849	hyper	sig	chr14_36514650
chr1	46467104	46467104	+	2.625E-17	4.3838E-16	0.209296	hyper	sig	chr1_46467104
chr13	87671804	87671804	+	2.628E-17	4.388E-16	0.279574	hyper	sig	chr13_87671804
chr1	39952778	39952778	+	2.628E-17	4.3882E-16	0.289051	hyper	sig	chr1_39952778
chr13	21912582	21912582	+	2.631E-17	4.3928E-16	-0.2452	hypo	sig	chr13_21912582
chr6	6003513	6003513	+	2.631E-17	4.3932E-16	0.20715	hyper	sig	chr6_6003513
chr5	1.81E+08	180629323	+	2.638E-17	4.4046E-16	-0.30703	hypo	sig	chr5_180629323
chr15	67826220	67826220	+	2.638E-17	4.4052E-16	0.250156	hyper	sig	chr15_67826220
chr1	24964981	24964981	+	2.64E-17	4.407E-16	-0.25437	hypo	sig	chr1_24964981
chr4	7965662	7965662	+	2.641E-17	4.4087E-16	-0.26704	hypo	sig	chr4_7965662
chr5	1.41E+08	141432897	+	2.641E-17	4.4095E-16	0.272108	hyper	sig	chr5_141432897
chr12	1.14E+08	114405778	+	2.641E-17	4.4098E-16	0.268767	hyper	sig	chr12_114405778
chr22	29167761	29167761	+	2.643E-17	4.4119E-16	-0.24897	hypo	sig	chr22_29167761
chr20	45097903	45097903	+	2.647E-17	4.4187E-16	0.280462	hyper	sig	chr20_45097903
chr11	1644049	1644049	+	2.649E-17	4.4214E-16	-0.20604	hypo	sig	chr11_1644049
chr5	55220771	55220771	+	2.649E-17	4.4225E-16	0.272268	hyper	sig	chr5_55220771
chr7	6664418	6664418	+	2.65E-17	4.4237E-16	0.305936	hyper	sig	chr7_6664418
chr6	37650148	37650148	+	2.65E-17	4.424E-16	0.228202	hyper	sig	chr6_37650148
chr2	1.3E+08	129979921	+	2.652E-17	4.4268E-16	0.2213	hyper	sig	chr2_129979921
chr2	9725348	9725348	+	2.652E-17	4.4272E-16	-0.23916	hypo	sig	chr2_9725348
chr1	13584291	13584291	+	2.656E-17	4.4336E-16	0.282179	hyper	sig	chr1_13584291
chr12	6377886	6377886	+	2.658E-17	4.4364E-16	-0.23997	hypo	sig	chr12_6377886
chr1	2.07E+08	207496532	+	2.662E-17	4.4438E-16	0.259891	hyper	sig	chr1_207496532
chr6	1.68E+08	168197010	+	2.664E-17	4.4463E-16	-0.29539	hypo	sig	chr6_168197010
chr12	1.14E+08	113670016	+	2.665E-17	4.4483E-16	0.245505	hyper	sig	chr12_113670016
chr17	18634744	18634744	+	2.666E-17	4.449E-16	0.219664	hyper	sig	chr17_18634744
chr5	1.46E+08	146337704	+	2.667E-17	4.4517E-16	0.37611	hyper	sig	chr5_146337704
chr3	45907122	45907122	+	2.668E-17	4.4528E-16	-0.26386	hypo	sig	chr3_45907122
chr2	71830736	71830736	+	2.67E-17	4.4551E-16	-0.32367	hypo	sig	chr2_71830736
chr1	2.14E+08	213980066	+	2.671E-17	4.457E-16	0.283433	hyper	sig	chr1_213980066
chr6	50714622	50714622	+	2.672E-17	4.458E-16	0.222538	hyper	sig	chr6_50714622
chr1	44409010	44409010	+	2.672E-17	4.4588E-16	0.23631	hyper	sig	chr1_44409010
chr11	2140226	2140226	+	2.673E-17	4.4597E-16	0.222426	hyper	sig	chr11_2140226
chr1	1.57E+08	156919336	+	2.673E-17	4.4605E-16	-0.29786	hypo	sig	chr1_156919336
chr11	32438476	32438476	+	2.675E-17	4.4631E-16	0.256956	hyper	sig	chr11_32438476
chr8	23706715	23706715	+	2.676E-17	4.4645E-16	0.247296	hyper	sig	chr8_23706715
chr4	1.54E+08	153789385	+	2.676E-17	4.4649E-16	0.223375	hyper	sig	chr4_153789385
chr12	6556233	6556233	+	2.68E-17	4.4714E-16	0.214849	hyper	sig	chr12_6556233
chr3	1.8E+08	179666505	+	2.681E-17	4.4737E-16	0.214413	hyper	sig	chr3_179666505
chr19	2358684	2358684	+	2.683E-17	4.4771E-16	-0.26889	hypo	sig	chr19_2358684
chr2	2.32E+08	231661082	+	2.687E-17	4.4827E-16	-0.23438	hypo	sig	chr2_231661082
chr7	27163845	27163845	+	2.687E-17	4.4832E-16	0.234794	hyper	sig	chr7_27163845
chr1	1.19E+08	118983788	+	2.687E-17	4.4834E-16	0.339916	hyper	sig	chr1_118983788
chr6	10385692	10385692	+	2.689E-17	4.4853E-16	0.294475	hyper	sig	chr6_10385692
chr1	1.54E+08	154325360	+	2.689E-17	4.4854E-16	0.243385	hyper	sig	chr1_154325360
chr2	23563718	23563718	+	2.69E-17	4.4868E-16	0.280953	hyper	sig	chr2_23563718
chr7	73850203	73850203	+	2.692E-17	4.4913E-16	-0.26299	hypo	sig	chr7_73850203
chr5	1.41E+08	141235238	+	2.693E-17	4.4916E-16	0.291476	hyper	sig	chr5_141235238
chr7	6953898	6953898	+	2.696E-17	4.4975E-16	-0.30422	hypo	sig	chr7_6953898
chr2	2.39E+08	239311526	+	2.697E-17	4.4986E-16	0.27346	hyper	sig	chr2_239311526
chr22	39558234	39558234	+	2.697E-17	4.4987E-16	0.255444	hyper	sig	chr22_39558234

chr10	8052658	8052658	+	2.697E-17	4.4988E-16	0.205153	hyper	sig	chr10_8052658
chr1	1144253	1144253	+	2.698E-17	4.4991E-16	-0.24154	hypo	sig	chr1_1144253
chr19	18787557	18787557	+	2.699E-17	4.5018E-16	0.263619	hyper	sig	chr19_18787557
chr19	50428328	50428328	+	2.7E-17	4.5036E-16	0.211023	hyper	sig	chr19_50428328
chr16	81493645	81493645	+	2.7E-17	4.5037E-16	-0.21488	hypo	sig	chr16_81493645
chr12	1.14E+08	114409633	+	2.701E-17	4.5051E-16	0.203037	hyper	sig	chr12_114409633
chr5	37836144	37836144	+	2.703E-17	4.5073E-16	0.261795	hyper	sig	chr5_37836144
chr1	75135334	75135334	+	2.704E-17	4.5093E-16	0.229107	hyper	sig	chr1_75135334
chr1	1.61E+08	161079746	+	2.705E-17	4.5109E-16	0.275791	hyper	sig	chr1_161079746
chr10	99533437	99533437	+	2.707E-17	4.5132E-16	0.221565	hyper	sig	chr10_99533437
chr10	71727044	71727044	+	2.709E-17	4.5176E-16	-0.25625	hypo	sig	chr10_71727044
chr6	1.06E+08	105981279	+	2.71E-17	4.5188E-16	0.264774	hyper	sig	chr6_105981279
chr8	1.43E+08	143417799	+	2.711E-17	4.5198E-16	-0.26112	hypo	sig	chr8_143417799
chr1	15407343	15407343	+	2.712E-17	4.5222E-16	0.223264	hyper	sig	chr1_15407343
chr3	1.27E+08	127390810	+	2.712E-17	4.5222E-16	-0.31912	hypo	sig	chr3_127390810
chr1	1419895	1419895	+	2.713E-17	4.5228E-16	0.314224	hyper	sig	chr1_1419895
chr2	2.42E+08	242012049	+	2.713E-17	4.5236E-16	-0.27018	hypo	sig	chr2_242012049
chr12	64390721	64390721	+	2.714E-17	4.5239E-16	0.275446	hyper	sig	chr12_64390721
chr6	1.7E+08	170129036	+	2.714E-17	4.5246E-16	-0.27595	hypo	sig	chr6_170129036
chr4	5828647	5828647	+	2.714E-17	4.5246E-16	-0.23259	hypo	sig	chr4_5828647
chr8	64576491	64576491	+	2.717E-17	4.5293E-16	0.233325	hyper	sig	chr8_64576491
chr3	1.09E+08	109410052	+	2.718E-17	4.5316E-16	-0.25196	hypo	sig	chr3_109410052
chr6	30358018	30358018	+	2.719E-17	4.5318E-16	0.258684	hyper	sig	chr6_30358018
chr5	1.41E+08	141346259	+	2.72E-17	4.5337E-16	0.266851	hyper	sig	chr5_141346259
chr22	33006646	33006646	+	2.722E-17	4.5379E-16	-0.25797	hypo	sig	chr22_33006646
chr5	50969896	50969896	+	2.722E-17	4.5379E-16	0.261406	hyper	sig	chr5_50969896
chr11	1.02E+08	101583952	+	2.723E-17	4.5395E-16	0.242614	hyper	sig	chr11_101583952
chr20	59934504	59934504	+	2.723E-17	4.5395E-16	0.269581	hyper	sig	chr20_59934504
chr1	90726904	90726904	+	2.724E-17	4.5405E-16	0.212527	hyper	sig	chr1_90726904
chr11	32427708	32427708	+	2.727E-17	4.546E-16	0.279197	hyper	sig	chr11_32427708
chr6	1.57E+08	157325656	+	2.728E-17	4.5475E-16	-0.23973	hypo	sig	chr6_157325656
chr2	1.71E+08	170717329	+	2.73E-17	4.5494E-16	0.27998	hyper	sig	chr2_170717329
chr16	88984264	88984264	+	2.73E-17	4.5499E-16	-0.2371	hypo	sig	chr16_88984264
chr2	11495947	11495947	+	2.73E-17	4.5499E-16	0.273646	hyper	sig	chr2_11495947
chr10	1.33E+08	133095118	+	2.733E-17	4.5541E-16	-0.25973	hypo	sig	chr10_133095118
chr17	77286724	77286724	+	2.733E-17	4.5541E-16	-0.26792	hypo	sig	chr17_77286724
chr12	47086012	47086012	+	2.733E-17	4.5542E-16	-0.21147	hypo	sig	chr12_47086012
chr13	24328453	24328453	+	2.735E-17	4.5576E-16	0.239993	hyper	sig	chr13_24328453
chr2	1.3E+08	129587484	+	2.737E-17	4.5615E-16	0.299428	hyper	sig	chr2_129587484
chr5	88678350	88678350	+	2.738E-17	4.5622E-16	0.257792	hyper	sig	chr5_88678350
chr17	50062395	50062395	+	2.739E-17	4.5636E-16	0.284208	hyper	sig	chr17_50062395
chr20	58905451	58905451	+	2.739E-17	4.5645E-16	0.240907	hyper	sig	chr20_58905451
chr19	56643940	56643940	+	2.741E-17	4.567E-16	0.257851	hyper	sig	chr19_56643940
chr8	52564911	52564911	+	2.743E-17	4.5712E-16	0.324203	hyper	sig	chr8_52564911
chr15	26970868	26970868	+	2.746E-17	4.5748E-16	0.240741	hyper	sig	chr15_26970868
chr6	10422115	10422115	+	2.75E-17	4.5815E-16	0.300149	hyper	sig	chr6_10422115
chr4	106639	106639	+	2.75E-17	4.5817E-16	-0.24344	hypo	sig	chr4_106639
chr10	7572217	7572217	+	2.751E-17	4.5829E-16	0.260142	hyper	sig	chr10_7572217
chr15	64851719	64851719	+	2.753E-17	4.5864E-16	0.306307	hyper	sig	chr15_64851719
chr3	1.41E+08	141050802	+	2.754E-17	4.5889E-16	0.272438	hyper	sig	chr3_141050802
chr16	89052617	89052617	+	2.758E-17	4.5949E-16	-0.4202	hypo	sig	chr16_89052617
chr3	1.28E+08	128493426	+	2.762E-17	4.6007E-16	0.32446	hyper	sig	chr3_128493426
chr7	1.54E+08	153887352	+	2.762E-17	4.602E-16	0.30227	hyper	sig	chr7_153887352
chr11	1.04E+08	104163872	+	2.763E-17	4.6023E-16	0.213054	hyper	sig	chr11_104163872
chr12	85280120	85280120	+	2.764E-17	4.6051E-16	0.228398	hyper	sig	chr12_85280120
chr1	24322908	24322908	+	2.767E-17	4.6086E-16	-0.24299	hypo	sig	chr1_24322908

chr8	1.43E+08	142681908	+	2.767E-17	4.609E-16	-0.22734	hypo	sig	chr8_142681908
chr10	1.32E+08	132117382	+	2.768E-17	4.6104E-16	-0.35425	hypo	sig	chr10_132117382
chr6	30883309	30883309	+	2.77E-17	4.6147E-16	-0.29096	hypo	sig	chr6_30883309
chr9	1.16E+08	116154895	+	2.771E-17	4.6149E-16	0.305481	hyper	sig	chr9_116154895
chr2	2185429	2185429	+	2.773E-17	4.618E-16	-0.2761	hypo	sig	chr2_2185429
chr16	54288446	54288446	+	2.774E-17	4.6202E-16	0.314221	hyper	sig	chr16_54288446
chr16	89291088	89291088	+	2.776E-17	4.6236E-16	0.238163	hyper	sig	chr16_89291088
chr19	44757749	44757749	+	2.778E-17	4.6264E-16	0.300236	hyper	sig	chr19_44757749
chr7	1.55E+08	155373859	+	2.78E-17	4.6293E-16	0.220677	hyper	sig	chr7_155373859
chr14	1E+08	100165407	+	2.781E-17	4.6314E-16	0.328296	hyper	sig	chr14_100165407
chr10	1.31E+08	131061421	+	2.782E-17	4.6328E-16	-0.24521	hypo	sig	chr10_131061421
chr19	50728479	50728479	+	2.783E-17	4.6342E-16	0.310294	hyper	sig	chr19_50728479
chr12	55703698	55703698	+	2.784E-17	4.6365E-16	0.259943	hyper	sig	chr12_55703698
chr13	78587484	78587484	+	2.785E-17	4.6381E-16	0.339368	hyper	sig	chr13_78587484
chr17	78187551	78187551	+	2.788E-17	4.6422E-16	-0.23415	hypo	sig	chr17_78187551
chr15	24101916	24101916	+	2.789E-17	4.6442E-16	0.265188	hyper	sig	chr15_24101916
chr19	3821361	3821361	+	2.791E-17	4.647E-16	-0.33371	hypo	sig	chr19_3821361
chr8	1.44E+08	143569879	+	2.793E-17	4.6512E-16	0.297099	hyper	sig	chr8_143569879
chr16	85566629	85566629	+	2.794E-17	4.6518E-16	-0.28186	hypo	sig	chr16_85566629
chr8	1759309	1759309	+	2.794E-17	4.6522E-16	0.250363	hyper	sig	chr8_1759309
chr2	86791003	86791003	+	2.795E-17	4.6533E-16	0.312899	hyper	sig	chr2_86791003
chr16	84024996	84024996	+	2.797E-17	4.6561E-16	-0.38031	hypo	sig	chr16_84024996
chr8	1.03E+08	103370295	+	2.797E-17	4.6573E-16	-0.30493	hypo	sig	chr8_103370295
chr13	37870516	37870516	+	2.799E-17	4.6597E-16	0.218207	hyper	sig	chr13_37870516
chr5	958722	958722	+	2.8E-17	4.6608E-16	-0.27215	hypo	sig	chr5_958722
chr17	73956944	73956944	+	2.8E-17	4.6613E-16	-0.31159	hypo	sig	chr17_73956944
chr12	53927542	53927542	+	2.801E-17	4.663E-16	0.266046	hyper	sig	chr12_53927542
chr12	78864592	78864592	+	2.802E-17	4.6635E-16	0.205786	hyper	sig	chr12_78864592
chr20	22582113	22582113	+	2.802E-17	4.6649E-16	0.348182	hyper	sig	chr20_22582113
chr2	1.19E+08	118859063	+	2.805E-17	4.6694E-16	0.218654	hyper	sig	chr2_118859063
chr19	19212027	19212027	+	2.806E-17	4.6702E-16	0.314913	hyper	sig	chr19_19212027
chr2	32948225	32948225	+	2.806E-17	4.6704E-16	0.263243	hyper	sig	chr2_32948225
chr14	60506766	60506766	+	2.806E-17	4.6708E-16	0.271546	hyper	sig	chr14_60506766
chr15	93041779	93041779	+	2.806E-17	4.6708E-16	-0.28301	hypo	sig	chr15_93041779
chr9	98707075	98707075	+	2.808E-17	4.6736E-16	0.226098	hyper	sig	chr9_98707075
chr11	31800831	31800831	+	2.809E-17	4.6748E-16	0.275593	hyper	sig	chr11_31800831
chr22	31095594	31095594	+	2.81E-17	4.6762E-16	0.223668	hyper	sig	chr22_31095594
chr7	1.54E+08	153887331	+	2.813E-17	4.681E-16	0.316064	hyper	sig	chr7_153887331
chr21	33025381	33025381	+	2.814E-17	4.6822E-16	0.269183	hyper	sig	chr21_33025381
chr3	1.98E+08	197522403	+	2.814E-17	4.6833E-16	-0.23278	hypo	sig	chr3_197522403
chr13	99989063	99989063	+	2.815E-17	4.6838E-16	0.232847	hyper	sig	chr13_99989063
chr12	6555776	6555776	+	2.818E-17	4.6891E-16	0.325863	hyper	sig	chr12_6555776
chr1	2.15E+08	215083549	+	2.819E-17	4.6909E-16	0.27649	hyper	sig	chr1_215083549
chr2	23650748	23650748	+	2.82E-17	4.692E-16	-0.25093	hypo	sig	chr2_23650748
chr9	81613298	81613298	+	2.822E-17	4.6948E-16	0.262623	hyper	sig	chr9_81613298
chr2	66437693	66437693	+	2.827E-17	4.7043E-16	0.23866	hyper	sig	chr2_66437693
chr19	54573850	54573850	+	2.829E-17	4.7069E-16	-0.26065	hypo	sig	chr19_54573850
chr1	98049536	98049536	+	2.832E-17	4.7111E-16	0.226276	hyper	sig	chr1_98049536
chr1	2073936	2073936	+	2.837E-17	4.7196E-16	0.330006	hyper	sig	chr1_2073936
chr15	74955745	74955745	+	2.837E-17	4.7199E-16	-0.25675	hypo	sig	chr15_74955745
chr9	93953590	93953590	+	2.838E-17	4.7212E-16	0.229573	hyper	sig	chr9_93953590
chr3	1.38E+08	138435521	+	2.839E-17	4.7224E-16	0.32679	hyper	sig	chr3_138435521
chr14	1.01E+08	101060683	+	2.841E-17	4.7259E-16	-0.27741	hypo	sig	chr14_101060683
chr12	1.29E+08	128854303	+	2.841E-17	4.7267E-16	0.276748	hyper	sig	chr12_128854303
chr10	27320297	27320297	+	2.842E-17	4.7268E-16	-0.21313	hypo	sig	chr10_27320297
chr6	62286479	62286479	+	2.842E-17	4.7276E-16	0.305373	hyper	sig	chr6_62286479

chr5	51399474	51399474	+	2.843E-17	4.7286E-16	0.221453	hyper	sig	chr5_51399474
chr10	42755407	42755407	+	2.845E-17	4.7328E-16	0.263262	hyper	sig	chr10_42755407
chr12	1.28E+08	128267722	+	2.846E-17	4.7334E-16	0.301067	hyper	sig	chr12_128267722
chr20	40690376	40690376	+	2.849E-17	4.7387E-16	0.205119	hyper	sig	chr20_40690376
chr7	1.5E+08	150322862	+	2.85E-17	4.7402E-16	-0.20363	hypo	sig	chr7_150322862
chr2	1.76E+08	176151508	+	2.85E-17	4.7409E-16	-0.28908	hypo	sig	chr2_176151508
chr16	1024268	1024268	+	2.851E-17	4.7411E-16	-0.26929	hypo	sig	chr16_1024268
chr11	2266211	2266211	+	2.851E-17	4.7417E-16	-0.24357	hypo	sig	chr11_2266211
chr10	1.25E+08	125023989	+	2.851E-17	4.7419E-16	0.376573	hyper	sig	chr10_125023989
chr6	6006478	6006478	+	2.855E-17	4.747E-16	0.278287	hyper	sig	chr6_6006478
chr7	1237045	1237045	+	2.859E-17	4.7547E-16	0.224587	hyper	sig	chr7_1237045
chr2	42824022	42824022	+	2.86E-17	4.7553E-16	0.24114	hyper	sig	chr2_42824022
chr16	66403085	66403085	+	2.86E-17	4.7563E-16	-0.2532	hypo	sig	chr16_66403085
chr17	81912844	81912844	+	2.86E-17	4.7563E-16	-0.25831	hypo	sig	chr17_81912844
chr2	2.22E+08	222302297	+	2.861E-17	4.7565E-16	0.244149	hyper	sig	chr2_222302297
chr10	1.33E+08	132784958	+	2.863E-17	4.76E-16	0.348314	hyper	sig	chr10_132784958
chr2	1287698	1287698	+	2.863E-17	4.7605E-16	-0.27712	hypo	sig	chr2_1287698
chr6	31143347	31143347	+	2.873E-17	4.7762E-16	0.29443	hyper	sig	chr6_31143347
chr2	2.27E+08	226798448	+	2.873E-17	4.777E-16	0.240337	hyper	sig	chr2_226798448
chr11	66267210	66267210	+	2.873E-17	4.7771E-16	0.279626	hyper	sig	chr11_66267210
chr6	1E+08	100448185	+	2.875E-17	4.7803E-16	0.28566	hyper	sig	chr6_100448185
chr14	92688139	92688139	+	2.878E-17	4.7841E-16	0.341343	hyper	sig	chr14_92688139
chr10	70283818	70283818	+	2.878E-17	4.7841E-16	0.29776	hyper	sig	chr10_70283818
chr10	84237471	84237471	+	2.882E-17	4.7914E-16	0.271861	hyper	sig	chr10_84237471
chr1	1.17E+08	116534526	+	2.883E-17	4.7928E-16	0.327056	hyper	sig	chr1_116534526
chr14	99118313	99118313	+	2.886E-17	4.797E-16	0.286511	hyper	sig	chr14_99118313
chr10	93063545	93063545	+	2.888E-17	4.8E-16	0.222795	hyper	sig	chr10_93063545
chr2	1.09E+08	109447563	+	2.892E-17	4.8068E-16	0.259585	hyper	sig	chr2_109447563
chr6	28259573	28259573	+	2.892E-17	4.8069E-16	0.316971	hyper	sig	chr6_28259573
chr19	58581291	58581291	+	2.894E-17	4.81E-16	0.225313	hyper	sig	chr19_58581291
chr1	26863620	26863620	+	2.894E-17	4.8105E-16	-0.26158	hypo	sig	chr1_26863620
chr7	1.58E+08	157522046	+	2.894E-17	4.8105E-16	-0.23026	hypo	sig	chr7_157522046
chr1	66752143	66752143	+	2.896E-17	4.8129E-16	0.229895	hyper	sig	chr1_66752143
chr5	1794093	1794093	+	2.898E-17	4.8167E-16	-0.22192	hypo	sig	chr5_1794093
chr10	1.33E+08	133207375	+	2.9E-17	4.8196E-16	-0.26461	hypo	sig	chr10_133207375
chr1	47726227	47726227	+	2.9E-17	4.8198E-16	0.200021	hyper	sig	chr1_47726227
chr2	2.42E+08	241991481	+	2.901E-17	4.8209E-16	-0.26285	hypo	sig	chr2_241991481
chr4	84497367	84497367	+	2.902E-17	4.822E-16	0.243461	hyper	sig	chr4_84497367
chr7	94656031	94656031	+	2.903E-17	4.8237E-16	0.214257	hyper	sig	chr7_94656031
chr7	1297645	1297645	+	2.904E-17	4.8253E-16	0.258376	hyper	sig	chr7_1297645
chr7	1.58E+08	158196648	+	2.904E-17	4.8259E-16	-0.29802	hypo	sig	chr7_158196648
chr10	1.01E+08	101236757	+	2.904E-17	4.8262E-16	0.217716	hyper	sig	chr10_101236757
chr19	35898598	35898598	+	2.905E-17	4.8272E-16	0.268361	hyper	sig	chr19_35898598
chr7	1.55E+08	154875869	+	2.911E-17	4.8372E-16	-0.25516	hypo	sig	chr7_154875869
chr2	20231578	20231578	+	2.911E-17	4.8377E-16	-0.32758	hypo	sig	chr2_20231578
chr20	24469211	24469211	+	2.914E-17	4.8424E-16	0.285659	hyper	sig	chr20_24469211
chr12	1.14E+08	114405604	+	2.915E-17	4.8428E-16	0.295072	hyper	sig	chr12_114405604
chr1	71046796	71046796	+	2.918E-17	4.8489E-16	0.265324	hyper	sig	chr1_71046796
chr11	61680772	61680772	+	2.919E-17	4.8497E-16	-0.28932	hypo	sig	chr11_61680772
chr2	2.39E+08	239015890	+	2.919E-17	4.8499E-16	0.359699	hyper	sig	chr2_239015890
chr2	2.08E+08	208112293	+	2.92E-17	4.8515E-16	0.336807	hyper	sig	chr2_208112293
chr16	49732894	49732894	+	2.921E-17	4.8523E-16	0.223481	hyper	sig	chr16_49732894
chr6	10382614	10382614	+	2.922E-17	4.8543E-16	0.286991	hyper	sig	chr6_10382614
chr12	62191367	62191367	+	2.923E-17	4.8553E-16	0.269132	hyper	sig	chr12_62191367
chr16	51150912	51150912	+	2.927E-17	4.8621E-16	0.281834	hyper	sig	chr16_51150912
chr7	1.56E+08	155997583	+	2.928E-17	4.8636E-16	0.250786	hyper	sig	chr7_155997583

chr21	18244821	18244821	+	2.929E-17	4.8659E-16	0.296551	hyper	sig	chr21_18244821
chr10	25935057	25935057	+	2.931E-17	4.8683E-16	0.285854	hyper	sig	chr10_25935057
chr3	32817915	32817915	+	2.931E-17	4.8688E-16	0.218282	hyper	sig	chr3_32817915
chr6	10385681	10385681	+	2.931E-17	4.8695E-16	0.242665	hyper	sig	chr6_10385681
chr8	85438959	85438959	+	2.932E-17	4.87E-16	0.266174	hyper	sig	chr8_85438959
chr5	58583339	58583339	+	2.934E-17	4.8735E-16	0.206377	hyper	sig	chr5_58583339
chr17	81978610	81978610	+	2.935E-17	4.8745E-16	-0.31613	hypo	sig	chr17_81978610
chr14	1.01E+08	101040103	+	2.935E-17	4.8753E-16	-0.26689	hypo	sig	chr14_101040103
chr7	1.22E+08	122299827	+	2.936E-17	4.8765E-16	0.31546	hyper	sig	chr7_122299827
chr20	21511108	21511108	+	2.936E-17	4.8767E-16	0.252594	hyper	sig	chr20_21511108
chr6	33128526	33128526	+	2.938E-17	4.8789E-16	-0.23669	hypo	sig	chr6_33128526
chr11	32439068	32439068	+	2.94E-17	4.8819E-16	0.228336	hyper	sig	chr11_32439068
chr1	78491596	78491596	+	2.942E-17	4.8855E-16	0.243419	hyper	sig	chr1_78491596
chr4	1.45E+08	144646492	+	2.942E-17	4.8855E-16	0.288677	hyper	sig	chr4_144646492
chr9	35676283	35676283	+	2.943E-17	4.8867E-16	0.283951	hyper	sig	chr9_35676283
chr7	47315395	47315395	+	2.944E-17	4.8888E-16	0.334301	hyper	sig	chr7_47315395
chr9	1.14E+08	114395591	+	2.946E-17	4.8916E-16	0.238413	hyper	sig	chr9_114395591
chr2	80303868	80303868	+	2.947E-17	4.8937E-16	0.201893	hyper	sig	chr2_80303868
chr17	79132523	79132523	+	2.947E-17	4.8939E-16	-0.29145	hypo	sig	chr17_79132523
chr5	1.77E+08	177368794	+	2.949E-17	4.8965E-16	-0.25343	hypo	sig	chr5_177368794
chr17	80478261	80478261	+	2.95E-17	4.8984E-16	0.31432	hyper	sig	chr17_80478261
chr19	4475139	4475139	+	2.954E-17	4.9045E-16	0.265522	hyper	sig	chr19_4475139
chr16	54935290	54935290	+	2.955E-17	4.9061E-16	0.294463	hyper	sig	chr16_54935290
chr3	1.38E+08	137766520	+	2.956E-17	4.9073E-16	0.205568	hyper	sig	chr3_137766520
chr4	1.85E+08	185019035	+	2.957E-17	4.9085E-16	0.25065	hyper	sig	chr4_185019035
chr1	7348827	7348827	+	2.958E-17	4.9102E-16	-0.20333	hypo	sig	chr1_7348827
chr9	1.37E+08	137022417	+	2.958E-17	4.9114E-16	-0.25678	hypo	sig	chr9_137022417
chr7	568871	568871	+	2.959E-17	4.9131E-16	0.279511	hyper	sig	chr7_568871
chr16	29260933	29260933	+	2.96E-17	4.9138E-16	-0.30746	hypo	sig	chr16_29260933
chr8	1.44E+08	143939322	+	2.96E-17	4.9142E-16	-0.23397	hypo	sig	chr8_143939322
chr17	38918703	38918703	+	2.963E-17	4.9189E-16	0.207724	hyper	sig	chr17_38918703
chr6	31170834	31170834	+	2.967E-17	4.9246E-16	0.322512	hyper	sig	chr6_31170834
chr16	27225908	27225908	+	2.968E-17	4.9257E-16	-0.23149	hypo	sig	chr16_27225908
chr12	52681537	52681537	+	2.969E-17	4.9275E-16	-0.23978	hypo	sig	chr12_52681537
chr2	11656899	11656899	+	2.972E-17	4.9323E-16	-0.28407	hypo	sig	chr2_11656899
chr10	1.18E+08	117533036	+	2.974E-17	4.9363E-16	0.259259	hyper	sig	chr10_117533036
chr7	73560328	73560328	+	2.974E-17	4.9368E-16	-0.27138	hypo	sig	chr7_73560328
chr10	75405258	75405258	+	2.975E-17	4.9373E-16	-0.26346	hypo	sig	chr10_75405258
chr5	73311752	73311752	+	2.978E-17	4.9416E-16	0.276562	hyper	sig	chr5_73311752
chr17	79748682	79748682	+	2.978E-17	4.9423E-16	0.227065	hyper	sig	chr17_79748682
chr8	1.16E+08	115667540	+	2.978E-17	4.943E-16	0.285096	hyper	sig	chr8_115667540
chr17	76933837	76933837	+	2.983E-17	4.9505E-16	-0.24968	hypo	sig	chr17_76933837
chr12	53103128	53103128	+	2.983E-17	4.951E-16	-0.26668	hypo	sig	chr12_53103128
chr2	20671218	20671218	+	2.984E-17	4.9523E-16	0.300105	hyper	sig	chr2_20671218
chr16	88416306	88416306	+	2.986E-17	4.9545E-16	-0.29761	hypo	sig	chr16_88416306
chr16	4664128	4664128	+	2.992E-17	4.965E-16	-0.25123	hypo	sig	chr16_4664128
chr1	94819658	94819658	+	2.994E-17	4.968E-16	-0.25086	hypo	sig	chr1_94819658
chr19	17311994	17311994	+	2.995E-17	4.9695E-16	-0.26478	hypo	sig	chr19_17311994
chr8	1.4E+08	139703389	+	2.997E-17	4.9732E-16	0.422068	hyper	sig	chr8_139703389
chr8	11614265	11614265	+	3.003E-17	4.9828E-16	-0.23907	hypo	sig	chr8_11614265
chr5	1.41E+08	141362129	+	3.004E-17	4.9845E-16	0.33377	hyper	sig	chr5_141362129
chr15	89416653	89416653	+	3.006E-17	4.9873E-16	0.283352	hyper	sig	chr15_89416653
chr6	31713785	31713785	+	3.008E-17	4.9913E-16	-0.23296	hypo	sig	chr6_31713785
chr2	2.4E+08	239506649	+	3.009E-17	4.992E-16	-0.21214	hypo	sig	chr2_239506649
chr1	1.75E+08	175077749	+	3.009E-17	4.9921E-16	-0.2979	hypo	sig	chr1_175077749
chr10	1670724	1670724	+	3.009E-17	4.9921E-16	-0.21149	hypo	sig	chr10_1670724

chr5	1.41E+08	141077973	+	3.01E-17	4.9929E-16	0.273797	hyper	sig	chr5_141077973
chr21	17607990	17607990	+	3.011E-17	4.9952E-16	0.239996	hyper	sig	chr21_17607990
chr7	35254837	35254837	+	3.012E-17	4.9963E-16	0.313372	hyper	sig	chr7_35254837
chr10	1.32E+08	131528735	+	3.013E-17	4.9975E-16	-0.26568	hypo	sig	chr10_131528735
chr12	24903243	24903243	+	3.017E-17	5.0048E-16	0.23191	hyper	sig	chr12_24903243
chr1	2.14E+08	214380556	+	3.018E-17	5.0069E-16	0.222267	hyper	sig	chr1_214380556
chr1	1966549	1966549	+	3.019E-17	5.0073E-16	0.354085	hyper	sig	chr1_1966549
chr16	55656542	55656542	+	3.019E-17	5.0073E-16	0.23946	hyper	sig	chr16_55656542
chr14	1.01E+08	101064200	+	3.023E-17	5.0133E-16	-0.24771	hypo	sig	chr14_101064200
chr12	1.31E+08	131138743	+	3.024E-17	5.0148E-16	-0.28851	hypo	sig	chr12_131138743
chr21	43720966	43720966	+	3.024E-17	5.0148E-16	-0.24995	hypo	sig	chr21_43720966
chr2	47517899	47517899	+	3.025E-17	5.0177E-16	-0.22747	hypo	sig	chr2_47517899
chr17	28717348	28717348	+	3.026E-17	5.0193E-16	0.283287	hyper	sig	chr17_28717348
chr16	49465275	49465275	+	3.027E-17	5.0209E-16	0.311076	hyper	sig	chr16_49465275
chr17	81734468	81734468	+	3.028E-17	5.0218E-16	-0.25675	hypo	sig	chr17_81734468
chr10	1.3E+08	129873304	+	3.028E-17	5.0223E-16	-0.35373	hypo	sig	chr10_129873304
chr9	16864719	16864719	+	3.034E-17	5.0308E-16	0.287202	hyper	sig	chr9_16864719
chr19	9498499	9498499	+	3.034E-17	5.0308E-16	0.293339	hyper	sig	chr19_9498499
chr19	52370125	52370125	+	3.034E-17	5.0316E-16	0.243172	hyper	sig	chr19_52370125
chr17	21452716	21452716	+	3.038E-17	5.0369E-16	0.258906	hyper	sig	chr17_21452716
chr6	6004683	6004683	+	3.038E-17	5.0369E-16	0.245104	hyper	sig	chr6_6004683
chr15	67064104	67064104	+	3.041E-17	5.0417E-16	-0.2875	hypo	sig	chr15_67064104
chr20	57261166	57261166	+	3.041E-17	5.0419E-16	0.269511	hyper	sig	chr20_57261166
chr5	83471478	83471478	+	3.042E-17	5.0434E-16	0.205123	hyper	sig	chr5_83471478
chr8	7351361	7351361	+	3.048E-17	5.054E-16	-0.27759	hypo	sig	chr8_7351361
chr13	52848325	52848325	+	3.051E-17	5.0583E-16	0.240493	hyper	sig	chr13_52848325
chr13	1.12E+08	111893089	+	3.055E-17	5.0644E-16	0.25883	hyper	sig	chr13_111893089
chr10	99521480	99521480	+	3.056E-17	5.0669E-16	-0.25833	hypo	sig	chr10_99521480
chr5	1.41E+08	140882078	+	3.057E-17	5.0679E-16	0.271075	hyper	sig	chr5_140882078
chr7	1.59E+08	158570253	+	3.06E-17	5.072E-16	0.275706	hyper	sig	chr7_158570253
chr11	31799856	31799856	+	3.061E-17	5.0748E-16	0.260928	hyper	sig	chr11_31799856
chr1	47986845	47986845	+	3.063E-17	5.077E-16	0.243665	hyper	sig	chr1_47986845
chr22	39405498	39405498	+	3.064E-17	5.0785E-16	0.301597	hyper	sig	chr22_39405498
chr10	1.32E+08	132280888	+	3.065E-17	5.0801E-16	-0.26696	hypo	sig	chr10_132280888
chr6	41430955	41430955	+	3.066E-17	5.0813E-16	-0.35079	hypo	sig	chr6_41430955
chr2	19354189	19354189	+	3.066E-17	5.0818E-16	-0.26327	hypo	sig	chr2_19354189
chr10	1.3E+08	129884675	+	3.066E-17	5.0825E-16	-0.20299	hypo	sig	chr10_129884675
chr16	782905	782905	+	3.067E-17	5.0833E-16	-0.30292	hypo	sig	chr16_782905
chr6	99994273	99994273	+	3.068E-17	5.0852E-16	0.257059	hyper	sig	chr6_99994273
chr6	1.66E+08	165662043	+	3.07E-17	5.0875E-16	0.274661	hyper	sig	chr6_165662043
chr5	58582534	58582534	+	3.071E-17	5.0896E-16	0.204817	hyper	sig	chr5_58582534
chr1	1.81E+08	180926672	+	3.072E-17	5.0915E-16	0.323146	hyper	sig	chr1_180926672
chr16	28880445	28880445	+	3.073E-17	5.0922E-16	0.255948	hyper	sig	chr16_28880445
chr3	1.24E+08	123700859	+	3.073E-17	5.0922E-16	0.324977	hyper	sig	chr3_123700859
chr2	1.06E+08	106343022	+	3.073E-17	5.0927E-16	-0.30638	hypo	sig	chr2_106343022
chr3	1.96E+08	195804747	+	3.076E-17	5.0975E-16	-0.24237	hypo	sig	chr3_195804747
chr13	1.07E+08	106530709	+	3.078E-17	5.1004E-16	-0.29073	hypo	sig	chr13_106530709
chr19	43026384	43026384	+	3.078E-17	5.1007E-16	-0.3101	hypo	sig	chr19_43026384
chr5	16179045	16179045	+	3.08E-17	5.1033E-16	0.233779	hyper	sig	chr5_16179045
chr2	44932912	44932912	+	3.082E-17	5.1064E-16	0.304693	hyper	sig	chr2_44932912
chr19	617188	617188	+	3.088E-17	5.1158E-16	-0.25687	hypo	sig	chr19_617188
chr2	1.6E+08	160396881	+	3.089E-17	5.1171E-16	-0.36384	hypo	sig	chr2_160396881
chr15	68559190	68559190	+	3.09E-17	5.1195E-16	-0.21746	hypo	sig	chr15_68559190
chr6	10495052	10495052	+	3.093E-17	5.1244E-16	-0.25271	hypo	sig	chr6_10495052
chr4	95549818	95549818	+	3.093E-17	5.125E-16	0.220579	hyper	sig	chr4_95549818
chr1	7784850	7784850	+	3.098E-17	5.132E-16	0.336014	hyper	sig	chr1_7784850

chr16	2967592	2967592	+	3.099E-17	5.133E-16	0.313612	hyper	sig	chr16_2967592
chr5	1.52E+08	151532813	+	3.099E-17	5.1342E-16	-0.23198	hypo	sig	chr5_151532813
chr14	99319854	99319854	+	3.1E-17	5.1349E-16	-0.24439	hypo	sig	chr14_99319854
chr8	98949295	98949295	+	3.102E-17	5.1378E-16	0.307677	hyper	sig	chr8_98949295
chr1	47433926	47433926	+	3.103E-17	5.1406E-16	0.364895	hyper	sig	chr1_47433926
chr17	43549593	43549593	+	3.106E-17	5.1454E-16	-0.2054	hypo	sig	chr17_43549593
chr9	1.24E+08	124257617	+	3.107E-17	5.1471E-16	-0.24585	hypo	sig	chr9_124257617
chr2	2.19E+08	219019851	+	3.108E-17	5.1486E-16	-0.24329	hypo	sig	chr2_219019851
chr7	5590288	5590288	+	3.109E-17	5.1499E-16	-0.20863	hypo	sig	chr7_5590288
chr8	1.03E+08	103140508	+	3.111E-17	5.1521E-16	0.375176	hyper	sig	chr8_103140508
chr14	36583511	36583511	+	3.111E-17	5.1526E-16	0.222406	hyper	sig	chr14_36583511
chr5	1.14E+08	114056379	+	3.111E-17	5.1532E-16	0.233616	hyper	sig	chr5_114056379
chr12	1834676	1834676	+	3.112E-17	5.1548E-16	-0.31862	hypo	sig	chr12_1834676
chr20	45097908	45097908	+	3.123E-17	5.1717E-16	0.273855	hyper	sig	chr20_45097908
chr22	24181224	24181224	+	3.125E-17	5.1747E-16	-0.26817	hypo	sig	chr22_24181224
chr4	1.72E+08	171813692	+	3.127E-17	5.1783E-16	0.274073	hyper	sig	chr4_171813692
chr11	94909747	94909747	+	3.128E-17	5.1802E-16	-0.24989	hypo	sig	chr11_94909747
chr2	1.21E+08	120857999	+	3.128E-17	5.1808E-16	-0.33309	hypo	sig	chr2_120857999
chr8	1.45E+08	144506009	+	3.13E-17	5.1826E-16	0.277272	hyper	sig	chr8_144506009
chr1	2.47E+08	247332809	+	3.13E-17	5.1834E-16	0.213609	hyper	sig	chr1_247332809
chr17	7115097	7115097	+	3.134E-17	5.1894E-16	-0.23771	hypo	sig	chr17_7115097
chr5	45695126	45695126	+	3.138E-17	5.1954E-16	0.287985	hyper	sig	chr5_45695126
chr13	94703560	94703560	+	3.139E-17	5.197E-16	0.213708	hyper	sig	chr13_94703560
chr5	3325444	3325444	+	3.141E-17	5.2006E-16	0.241271	hyper	sig	chr5_3325444
chr12	1.32E+08	132211636	+	3.142E-17	5.2024E-16	-0.23506	hypo	sig	chr12_132211636
chr11	94549297	94549297	+	3.143E-17	5.2043E-16	-0.27434	hypo	sig	chr11_94549297
chr11	45355487	45355487	+	3.145E-17	5.2073E-16	0.213159	hyper	sig	chr11_45355487
chr7	1421062	1421062	+	3.147E-17	5.2102E-16	-0.31394	hypo	sig	chr7_1421062
chr11	1.29E+08	128824480	+	3.148E-17	5.2107E-16	0.289676	hyper	sig	chr11_128824480
chr2	3638059	3638059	+	3.153E-17	5.2186E-16	-0.29222	hypo	sig	chr2_3638059
chr14	1.05E+08	104587213	+	3.156E-17	5.2237E-16	-0.35236	hypo	sig	chr14_104587213
chr4	1.21E+08	121380433	+	3.159E-17	5.2291E-16	0.256403	hyper	sig	chr4_121380433
chr10	370390	370390	+	3.163E-17	5.2352E-16	0.33258	hyper	sig	chr10_370390
chr6	1E+08	100463650	+	3.163E-17	5.2356E-16	0.249622	hyper	sig	chr6_100463650
chr12	1.07E+08	106585760	+	3.164E-17	5.2367E-16	0.226582	hyper	sig	chr12_106585760
chr6	1.69E+08	169221567	+	3.165E-17	5.2377E-16	-0.22487	hypo	sig	chr6_169221567
chr2	2.4E+08	240304667	+	3.168E-17	5.2426E-16	-0.3013	hypo	sig	chr2_240304667
chr12	1.14E+08	114406460	+	3.169E-17	5.244E-16	0.24913	hyper	sig	chr12_114406460
chr6	29943574	29943574	+	3.171E-17	5.2477E-16	-0.24539	hypo	sig	chr6_29943574
chr19	57583782	57583782	+	3.172E-17	5.2498E-16	0.290624	hyper	sig	chr19_57583782
chr10	86367539	86367539	+	3.174E-17	5.2521E-16	0.23372	hyper	sig	chr10_86367539
chr7	1.58E+08	157675689	+	3.174E-17	5.2523E-16	-0.2839	hypo	sig	chr7_157675689
chr3	27729468	27729468	+	3.174E-17	5.2524E-16	0.22641	hyper	sig	chr3_27729468
chr19	46426584	46426584	+	3.175E-17	5.2537E-16	0.264049	hyper	sig	chr19_46426584
chr1	50427570	50427570	+	3.18E-17	5.2615E-16	0.21027	hyper	sig	chr1_50427570
chr14	1.02E+08	101565220	+	3.18E-17	5.262E-16	0.260321	hyper	sig	chr14_101565220
chr16	51153889	51153889	+	3.181E-17	5.2627E-16	0.263549	hyper	sig	chr16_51153889
chr1	1.19E+08	119008267	+	3.181E-17	5.2639E-16	0.318701	hyper	sig	chr1_119008267
chr3	27730372	27730372	+	3.183E-17	5.2664E-16	0.257168	hyper	sig	chr3_27730372
chr12	1.1E+08	109798759	+	3.186E-17	5.271E-16	-0.27459	hypo	sig	chr12_109798759
chr14	36517160	36517160	+	3.186E-17	5.271E-16	0.27044	hyper	sig	chr14_36517160
chr11	17719749	17719749	+	3.19E-17	5.2782E-16	0.329036	hyper	sig	chr11_17719749
chr7	2065719	2065719	+	3.192E-17	5.2807E-16	0.22769	hyper	sig	chr7_2065719
chr16	86670874	86670874	+	3.194E-17	5.2834E-16	0.273529	hyper	sig	chr16_86670874
chr6	1.08E+08	108167173	+	3.194E-17	5.2834E-16	0.283782	hyper	sig	chr6_108167173
chr19	49133070	49133070	+	3.195E-17	5.2853E-16	0.321272	hyper	sig	chr19_49133070

chr5	1.75E+08	174732597	+	3.196E-17	5.2865E-16	0.269211	hyper	sig	chr5_174732597
chr11	1924371	1924371	+	3.2E-17	5.2933E-16	-0.26552	hypo	sig	chr11_1924371
chr2	1.42E+08	142130300	+	3.201E-17	5.295E-16	0.220991	hyper	sig	chr2_142130300
chr10	8037362	8037362	+	3.201E-17	5.2955E-16	0.218348	hyper	sig	chr10_8037362
chr12	54128171	54128171	+	3.202E-17	5.2964E-16	-0.28385	hypo	sig	chr12_54128171
chr12	1.25E+08	124501928	+	3.203E-17	5.2974E-16	0.285875	hyper	sig	chr12_124501928
chr16	22813583	22813583	+	3.205E-17	5.3009E-16	0.300738	hyper	sig	chr16_22813583
chr7	97026338	97026338	+	3.21E-17	5.3086E-16	0.203879	hyper	sig	chr7_97026338
chr3	1.57E+08	157120274	+	3.213E-17	5.3147E-16	-0.28882	hypo	sig	chr3_157120274
chr7	2994040	2994040	+	3.218E-17	5.3222E-16	-0.23834	hypo	sig	chr7_2994040
chr17	81863466	81863466	+	3.219E-17	5.3242E-16	-0.2217	hypo	sig	chr17_81863466
chr1	1.57E+08	156845449	+	3.222E-17	5.3287E-16	0.225758	hyper	sig	chr1_156845449
chr7	4764881	4764881	+	3.223E-17	5.3295E-16	0.27883	hyper	sig	chr7_4764881
chr1	9183656	9183656	+	3.224E-17	5.3312E-16	0.231596	hyper	sig	chr1_9183656
chr1	46485676	46485676	+	3.224E-17	5.3312E-16	0.265603	hyper	sig	chr1_46485676
chr1	1.22E+08	121519724	+	3.224E-17	5.3313E-16	0.2503	hyper	sig	chr1_121519724
chr5	88659933	88659933	+	3.224E-17	5.332E-16	0.262636	hyper	sig	chr5_88659933
chr20	62560925	62560925	+	3.225E-17	5.3328E-16	-0.25674	hypo	sig	chr20_62560925
chr19	58002280	58002280	+	3.225E-17	5.3328E-16	0.202971	hyper	sig	chr19_58002280
chr16	1184809	1184809	+	3.225E-17	5.3331E-16	-0.28776	hypo	sig	chr16_1184809
chr20	21517490	21517490	+	3.227E-17	5.3364E-16	0.302957	hyper	sig	chr20_21517490
chr12	53960420	53960420	+	3.23E-17	5.34E-16	0.27441	hyper	sig	chr12_53960420
chr7	1.58E+08	157742066	+	3.23E-17	5.3405E-16	-0.27613	hypo	sig	chr7_157742066
chr17	18377535	18377535	+	3.231E-17	5.3419E-16	-0.23524	hypo	sig	chr17_18377535
chr11	66559366	66559366	+	3.233E-17	5.3459E-16	0.21538	hyper	sig	chr11_66559366
chr10	1.32E+08	132232553	+	3.236E-17	5.3502E-16	-0.24621	hypo	sig	chr10_132232553
chr1	16375981	16375981	+	3.237E-17	5.3509E-16	0.244049	hyper	sig	chr1_16375981
chr2	91599134	91599134	+	3.237E-17	5.3515E-16	-0.25549	hypo	sig	chr2_91599134
chr7	73424341	73424341	+	3.239E-17	5.355E-16	0.262181	hyper	sig	chr7_73424341
chr13	27976059	27976059	+	3.24E-17	5.3556E-16	0.310609	hyper	sig	chr13_27976059
chr11	65607664	65607664	+	3.243E-17	5.3607E-16	0.234069	hyper	sig	chr11_65607664
chr1	43565616	43565616	+	3.244E-17	5.3621E-16	0.348463	hyper	sig	chr1_43565616
chr1	52843573	52843573	+	3.244E-17	5.3629E-16	0.31459	hyper	sig	chr1_52843573
chr20	35602325	35602325	+	3.244E-17	5.3632E-16	0.327706	hyper	sig	chr20_35602325
chr6	90610544	90610544	+	3.248E-17	5.3684E-16	0.255387	hyper	sig	chr6_90610544
chr16	2185024	2185024	+	3.249E-17	5.3699E-16	-0.26684	hypo	sig	chr16_2185024
chr10	1.25E+08	125138498	+	3.249E-17	5.3703E-16	-0.25873	hypo	sig	chr10_125138498
chr5	68187823	68187823	+	3.249E-17	5.3703E-16	0.301503	hyper	sig	chr5_68187823
chr7	226444	226444	+	3.251E-17	5.3733E-16	-0.28041	hypo	sig	chr7_226444
chr11	65390928	65390928	+	3.252E-17	5.3749E-16	0.209827	hyper	sig	chr11_65390928
chr2	2.32E+08	231680664	+	3.252E-17	5.3753E-16	-0.30099	hypo	sig	chr2_231680664
chr5	1.35E+08	135038974	+	3.253E-17	5.3767E-16	0.385522	hyper	sig	chr5_135038974
chr17	21397468	21397468	+	3.254E-17	5.378E-16	0.32516	hyper	sig	chr17_21397468
chr2	1230458	1230458	+	3.256E-17	5.3809E-16	-0.31694	hypo	sig	chr2_1230458
chr2	1.63E+08	163348153	+	3.256E-17	5.3812E-16	0.268893	hyper	sig	chr2_163348153
chr1	24931332	24931332	+	3.257E-17	5.3831E-16	0.414031	hyper	sig	chr1_24931332
chr7	1.58E+08	157521415	+	3.26E-17	5.3872E-16	-0.26436	hypo	sig	chr7_157521415
chr11	1060645	1060645	+	3.263E-17	5.3915E-16	-0.3232	hypo	sig	chr11_1060645
chr19	19529107	19529107	+	3.264E-17	5.3935E-16	0.389958	hyper	sig	chr19_19529107
chr16	31471517	31471517	+	3.266E-17	5.3973E-16	0.269147	hyper	sig	chr16_31471517
chr8	26865344	26865344	+	3.269E-17	5.4012E-16	0.247664	hyper	sig	chr8_26865344
chr6	27495513	27495513	+	3.271E-17	5.4044E-16	0.203265	hyper	sig	chr6_27495513
chr11	16611072	16611072	+	3.272E-17	5.4063E-16	0.273175	hyper	sig	chr11_16611072
chr19	43699542	43699542	+	3.274E-17	5.4091E-16	0.227139	hyper	sig	chr19_43699542
chr16	887022	887022	+	3.274E-17	5.4097E-16	0.268141	hyper	sig	chr16_887022
chr1	1.5E+08	149900105	+	3.276E-17	5.412E-16	0.214592	hyper	sig	chr1_149900105

chr16	841302	841302	+	3.276E-17	5.4123E-16	-0.27247	hypo	sig	chr16_841302
chr4	1.47E+08	146639086	+	3.276E-17	5.4123E-16	0.263463	hyper	sig	chr4_146639086
chr16	1764156	1764156	+	3.277E-17	5.4136E-16	0.283233	hyper	sig	chr16_1764156
chr6	10381561	10381561	+	3.277E-17	5.4137E-16	0.275646	hyper	sig	chr6_10381561
chr17	57892263	57892263	+	3.283E-17	5.4235E-16	0.215612	hyper	sig	chr17_57892263
chr11	22192791	22192791	+	3.286E-17	5.4281E-16	0.269697	hyper	sig	chr11_22192791
chr18	28177547	28177547	+	3.286E-17	5.4283E-16	0.204431	hyper	sig	chr18_28177547
chr18	5892120	5892120	+	3.287E-17	5.4298E-16	-0.24204	hypo	sig	chr18_5892120
chr1	1.52E+08	152191566	+	3.287E-17	5.4299E-16	-0.31451	hypo	sig	chr1_152191566
chr11	69819744	69819744	+	3.288E-17	5.4304E-16	0.223814	hyper	sig	chr11_69819744
chr2	2.19E+08	219358579	+	3.288E-17	5.4304E-16	0.324354	hyper	sig	chr2_219358579
chr11	8268084	8268084	+	3.289E-17	5.4314E-16	0.239841	hyper	sig	chr11_8268084
chr10	625506	625506	+	3.289E-17	5.4317E-16	0.243118	hyper	sig	chr10_625506
chr16	29154232	29154232	+	3.29E-17	5.4332E-16	-0.2487	hypo	sig	chr16_29154232
chr3	1.92E+08	192408902	+	3.29E-17	5.4334E-16	0.266308	hyper	sig	chr3_192408902
chr12	54100774	54100774	+	3.293E-17	5.4377E-16	-0.2932	hypo	sig	chr12_54100774
chr6	13860374	13860374	+	3.293E-17	5.4382E-16	0.287348	hyper	sig	chr6_13860374
chr7	4833269	4833269	+	3.294E-17	5.4389E-16	-0.28757	hypo	sig	chr7_4833269
chr14	94771330	94771330	+	3.294E-17	5.4389E-16	0.302872	hyper	sig	chr14_94771330
chr20	46011874	46011874	+	3.298E-17	5.4459E-16	0.401551	hyper	sig	chr20_46011874
chr2	26942672	26942672	+	3.298E-17	5.4463E-16	0.273085	hyper	sig	chr2_26942672
chr5	1.81E+08	180673701	+	3.3E-17	5.4489E-16	0.403673	hyper	sig	chr5_180673701
chr2	1.82E+08	181682624	+	3.301E-17	5.4512E-16	0.31677	hyper	sig	chr2_181682624
chr4	41880893	41880893	+	3.302E-17	5.4512E-16	0.240832	hyper	sig	chr4_41880893
chr15	96366592	96366592	+	3.302E-17	5.4516E-16	0.281612	hyper	sig	chr15_96366592
chr17	41583239	41583239	+	3.302E-17	5.4517E-16	-0.29963	hypo	sig	chr17_41583239
chr1	46341437	46341437	+	3.303E-17	5.454E-16	0.286366	hyper	sig	chr1_46341437
chr6	27830721	27830721	+	3.304E-17	5.4546E-16	-0.24898	hypo	sig	chr6_27830721
chr1	9694074	9694074	+	3.304E-17	5.4553E-16	-0.23856	hypo	sig	chr1_9694074
chr6	7591170	7591170	+	3.305E-17	5.4556E-16	-0.29695	hypo	sig	chr6_7591170
chr4	55125303	55125303	+	3.308E-17	5.4604E-16	0.222073	hyper	sig	chr4_55125303
chr6	32091828	32091828	+	3.309E-17	5.462E-16	-0.22964	hypo	sig	chr6_32091828
chr10	1.23E+08	123142938	+	3.31E-17	5.465E-16	0.215333	hyper	sig	chr10_123142938
chr17	17561910	17561910	+	3.311E-17	5.4656E-16	-0.2565	hypo	sig	chr17_17561910
chr10	1.33E+08	133326248	+	3.312E-17	5.4669E-16	0.234299	hyper	sig	chr10_133326248
chr12	1.32E+08	132434060	+	3.314E-17	5.4705E-16	-0.33791	hypo	sig	chr12_132434060
chr21	32586096	32586096	+	3.317E-17	5.4751E-16	-0.29156	hypo	sig	chr21_32586096
chr12	1.03E+08	102950784	+	3.317E-17	5.4758E-16	0.211316	hyper	sig	chr12_102950784
chr19	53058175	53058175	+	3.318E-17	5.4772E-16	0.313266	hyper	sig	chr19_53058175
chr4	6322919	6322919	+	3.319E-17	5.4777E-16	-0.21205	hypo	sig	chr4_6322919
chr4	6663999	6663999	+	3.319E-17	5.4778E-16	0.337127	hyper	sig	chr4_6663999
chr9	1.31E+08	130894357	+	3.32E-17	5.4798E-16	0.229575	hyper	sig	chr9_130894357
chr17	6894335	6894335	+	3.321E-17	5.4816E-16	0.235648	hyper	sig	chr17_6894335
chr19	12838001	12838001	+	3.322E-17	5.482E-16	-0.24461	hypo	sig	chr19_12838001
chr6	1.08E+08	108114990	+	3.322E-17	5.4823E-16	0.274938	hyper	sig	chr6_108114990
chr6	28635384	28635384	+	3.329E-17	5.4943E-16	0.221487	hyper	sig	chr6_28635384
chr13	94704829	94704829	+	3.333E-17	5.5007E-16	0.330712	hyper	sig	chr13_94704829
chr1	2.21E+08	220893380	+	3.336E-17	5.5046E-16	-0.26584	hypo	sig	chr1_220893380
chr4	6727185	6727185	+	3.336E-17	5.5046E-16	0.281228	hyper	sig	chr4_6727185
chr9	94996072	94996072	+	3.336E-17	5.5053E-16	0.326428	hyper	sig	chr9_94996072
chr9	1.36E+08	136216078	+	3.337E-17	5.5067E-16	0.239654	hyper	sig	chr9_136216078
chr16	51113932	51113932	+	3.338E-17	5.5074E-16	0.334154	hyper	sig	chr16_51113932
chr7	1.56E+08	155806370	+	3.339E-17	5.51E-16	0.286908	hyper	sig	chr7_155806370
chr12	1.33E+08	132524872	+	3.34E-17	5.5103E-16	-0.26005	hypo	sig	chr12_132524872
chr13	1.12E+08	112250306	+	3.34E-17	5.5103E-16	-0.27303	hypo	sig	chr13_112250306
chr11	27721888	27721888	+	3.341E-17	5.5124E-16	0.202458	hyper	sig	chr11_27721888

chr13	99978018	99978018	+	3.342E-17	5.5137E-16	0.255547	hyper	sig	chr13_99978018
chr5	1.41E+08	140850659	+	3.344E-17	5.5173E-16	0.251235	hyper	sig	chr5_140850659
chr12	52244886	52244886	+	3.345E-17	5.5183E-16	0.284218	hyper	sig	chr12_52244886
chr10	3138260	3138260	+	3.345E-17	5.5187E-16	0.236237	hyper	sig	chr10_3138260
chr16	85534858	85534858	+	3.348E-17	5.523E-16	0.24843	hyper	sig	chr16_85534858
chr9	36259007	36259007	+	3.348E-17	5.5237E-16	0.234549	hyper	sig	chr9_36259007
chr7	1.59E+08	158992959	+	3.352E-17	5.5303E-16	0.274486	hyper	sig	chr7_158992959
chr17	7855089	7855089	+	3.353E-17	5.5311E-16	0.279736	hyper	sig	chr17_7855089
chr17	17779347	17779347	+	3.355E-17	5.5335E-16	0.314305	hyper	sig	chr17_17779347
chr10	48745874	48745874	+	3.355E-17	5.5336E-16	0.232403	hyper	sig	chr10_48745874
chr19	46023195	46023195	+	3.361E-17	5.5431E-16	0.345756	hyper	sig	chr19_46023195
chr4	1.33E+08	133149173	+	3.362E-17	5.5454E-16	0.231767	hyper	sig	chr4_133149173
chr14	1.03E+08	103105857	+	3.363E-17	5.5472E-16	-0.24187	hypo	sig	chr14_103105857
chr8	24914951	24914951	+	3.364E-17	5.5484E-16	0.212152	hyper	sig	chr8_24914951
chr1	2.21E+08	220876628	+	3.365E-17	5.5502E-16	0.326186	hyper	sig	chr1_220876628
chr2	2.39E+08	239308763	+	3.366E-17	5.5509E-16	0.32	hyper	sig	chr2_239308763
chr20	6770155	6770155	+	3.367E-17	5.5534E-16	0.247331	hyper	sig	chr20_6770155
chr6	32085971	32085971	+	3.369E-17	5.5557E-16	-0.22091	hypo	sig	chr6_32085971
chr5	1.41E+08	141156602	+	3.369E-17	5.5561E-16	0.244389	hyper	sig	chr5_141156602
chr2	1.2E+08	120346548	+	3.369E-17	5.5564E-16	0.270857	hyper	sig	chr2_120346548
chr17	50468527	50468527	+	3.371E-17	5.5591E-16	0.268308	hyper	sig	chr17_50468527
chr2	74648353	74648353	+	3.373E-17	5.5629E-16	0.32647	hyper	sig	chr2_74648353
chr7	1.22E+08	122300162	+	3.381E-17	5.5759E-16	0.41368	hyper	sig	chr7_122300162
chr7	23490931	23490931	+	3.382E-17	5.5762E-16	0.226196	hyper	sig	chr7_23490931
chr3	1.97E+08	196948625	+	3.383E-17	5.5774E-16	0.334777	hyper	sig	chr3_196948625
chr2	88765350	88765350	+	3.387E-17	5.5842E-16	0.259623	hyper	sig	chr2_88765350
chr4	1309916	1309916	+	3.39E-17	5.5897E-16	0.254062	hyper	sig	chr4_1309916
chr19	17973688	17973688	+	3.391E-17	5.5914E-16	-0.29029	hypo	sig	chr19_17973688
chr19	58440830	58440830	+	3.392E-17	5.5932E-16	0.256075	hyper	sig	chr19_58440830
chr22	36410584	36410584	+	3.393E-17	5.5934E-16	-0.25587	hypo	sig	chr22_36410584
chr3	1.25E+08	124586113	+	3.393E-17	5.5935E-16	-0.30652	hypo	sig	chr3_124586113
chr1	2.29E+08	228650548	+	3.394E-17	5.5955E-16	0.249653	hyper	sig	chr1_228650548
chr7	6664414	6664414	+	3.395E-17	5.5964E-16	0.28496	hyper	sig	chr7_6664414
chr19	3025349	3025349	+	3.395E-17	5.5976E-16	-0.26594	hypo	sig	chr19_3025349
chr20	59729546	59729546	+	3.397E-17	5.5993E-16	-0.21522	hypo	sig	chr20_59729546
chr13	1.14E+08	114121739	+	3.397E-17	5.5999E-16	-0.30579	hypo	sig	chr13_114121739
chr18	37567216	37567216	+	3.398E-17	5.6007E-16	0.214025	hyper	sig	chr18_37567216
chr1	86156699	86156699	+	3.401E-17	5.6064E-16	0.222897	hyper	sig	chr1_86156699
chr19	2290893	2290893	+	3.402E-17	5.6081E-16	0.202499	hyper	sig	chr19_2290893
chr1	92481246	92481246	+	3.404E-17	5.6109E-16	0.220277	hyper	sig	chr1_92481246
chr6	30071256	30071256	+	3.404E-17	5.6109E-16	0.316273	hyper	sig	chr6_30071256
chr16	51153785	51153785	+	3.409E-17	5.6183E-16	0.319979	hyper	sig	chr16_51153785
chr10	1.33E+08	132892355	+	3.41E-17	5.6201E-16	0.282083	hyper	sig	chr10_132892355
chr14	1.04E+08	103879548	+	3.413E-17	5.6245E-16	-0.30849	hypo	sig	chr14_103879548
chr19	38303921	38303921	+	3.413E-17	5.6248E-16	-0.29756	hypo	sig	chr19_38303921
chr17	48543035	48543035	+	3.417E-17	5.6318E-16	0.232143	hyper	sig	chr17_48543035
chr10	1.32E+08	132132429	+	3.418E-17	5.6324E-16	-0.37706	hypo	sig	chr10_132132429
chr13	36430464	36430464	+	3.418E-17	5.6332E-16	0.232128	hyper	sig	chr13_36430464
chr1	2.14E+08	213980817	+	3.42E-17	5.6354E-16	-0.33511	hypo	sig	chr1_213980817
chr6	1.06E+08	105981243	+	3.42E-17	5.6356E-16	0.289216	hyper	sig	chr6_105981243
chr10	69567996	69567996	+	3.424E-17	5.6423E-16	0.259314	hyper	sig	chr10_69567996
chr17	78144987	78144987	+	3.428E-17	5.6486E-16	-0.2386	hypo	sig	chr17_78144987
chr2	2.39E+08	239199563	+	3.437E-17	5.6635E-16	0.238986	hyper	sig	chr2_239199563
chr3	72839336	72839336	+	3.437E-17	5.6635E-16	-0.2109	hypo	sig	chr3_72839336
chr19	10514178	10514178	+	3.438E-17	5.664E-16	0.269702	hyper	sig	chr19_10514178
chr6	1.08E+08	108164760	+	3.438E-17	5.664E-16	0.215715	hyper	sig	chr6_108164760

chr1	3245502	3245502	+	3.438E-17	5.6645E-16	-0.22239	hypo	sig	chr1_3245502
chr9	1.31E+08	130664777	+	3.439E-17	5.6664E-16	0.273413	hyper	sig	chr9_130664777
chr7	1.58E+08	157877531	+	3.44E-17	5.6677E-16	-0.24758	hypo	sig	chr7_157877531
chr1	1.65E+08	164576420	+	3.44E-17	5.6679E-16	0.383664	hyper	sig	chr1_164576420
chr8	1.4E+08	139702893	+	3.441E-17	5.6683E-16	0.227295	hyper	sig	chr8_139702893
chr2	1.85E+08	184597757	+	3.445E-17	5.6755E-16	0.24018	hyper	sig	chr2_184597757
chr16	89834129	89834129	+	3.447E-17	5.6794E-16	-0.24503	hypo	sig	chr16_89834129
chr7	1235911	1235911	+	3.449E-17	5.6813E-16	0.32684	hyper	sig	chr7_1235911
chr7	223758	223758	+	3.45E-17	5.6841E-16	-0.25541	hypo	sig	chr7_223758
chr14	1.05E+08	104657287	+	3.452E-17	5.6861E-16	-0.27938	hypo	sig	chr14_104657287
chr7	1E+08	100169473	+	3.452E-17	5.6864E-16	-0.21563	hypo	sig	chr7_100169473
chr2	1.71E+08	170815138	+	3.454E-17	5.69E-16	0.245593	hyper	sig	chr2_170815138
chr1	1.55E+08	155062141	+	3.455E-17	5.6904E-16	0.270187	hyper	sig	chr1_155062141
chr15	90839725	90839725	+	3.455E-17	5.6915E-16	-0.26704	hypo	sig	chr15_90839725
chr20	44356337	44356337	+	3.456E-17	5.6927E-16	-0.39483	hypo	sig	chr20_44356337
chr7	4796660	4796660	+	3.457E-17	5.6937E-16	-0.23629	hypo	sig	chr7_4796660
chr17	15463602	15463602	+	3.457E-17	5.6946E-16	0.224811	hyper	sig	chr17_15463602
chr6	1.08E+08	108115071	+	3.458E-17	5.6946E-16	0.232008	hyper	sig	chr6_108115071
chr13	20129302	20129302	+	3.458E-17	5.696E-16	-0.2657	hypo	sig	chr13_20129302
chr1	1.1E+08	110069071	+	3.46E-17	5.6985E-16	0.214973	hyper	sig	chr1_110069071
chr19	841068	841068	+	3.462E-17	5.7017E-16	-0.27242	hypo	sig	chr19_841068
chr16	50712091	50712091	+	3.466E-17	5.7074E-16	0.205898	hyper	sig	chr16_50712091
chr4	1.47E+08	146637413	+	3.466E-17	5.7076E-16	0.291275	hyper	sig	chr4_146637413
chr3	1.47E+08	147407925	+	3.466E-17	5.7084E-16	0.278032	hyper	sig	chr3_147407925
chr3	14556222	14556222	+	3.468E-17	5.7101E-16	-0.26534	hypo	sig	chr3_14556222
chr5	10563006	10563006	+	3.469E-17	5.7116E-16	0.27812	hyper	sig	chr5_10563006
chr12	2999059	2999059	+	3.469E-17	5.7121E-16	0.282237	hyper	sig	chr12_2999059
chr10	1.18E+08	117735087	+	3.469E-17	5.7126E-16	0.25025	hyper	sig	chr10_117735087
chr8	64370793	64370793	+	3.47E-17	5.7138E-16	0.317046	hyper	sig	chr8_64370793
chr8	23707190	23707190	+	3.473E-17	5.7185E-16	0.255767	hyper	sig	chr8_23707190
chr19	17461016	17461016	+	3.474E-17	5.7202E-16	-0.38178	hypo	sig	chr19_17461016
chr7	97017709	97017709	+	3.475E-17	5.7209E-16	0.379666	hyper	sig	chr7_97017709
chr10	7411941	7411941	+	3.476E-17	5.7231E-16	0.374657	hyper	sig	chr10_7411941
chr3	42686347	42686347	+	3.479E-17	5.7274E-16	0.313044	hyper	sig	chr3_42686347
chr6	89134127	89134127	+	3.482E-17	5.7323E-16	-0.24375	hypo	sig	chr6_89134127
chr6	99589622	99589622	+	3.482E-17	5.7323E-16	0.212847	hyper	sig	chr6_99589622
chr13	1.13E+08	112843624	+	3.483E-17	5.7338E-16	0.242619	hyper	sig	chr13_112843624
chr16	70687868	70687868	+	3.484E-17	5.7349E-16	0.251857	hyper	sig	chr16_70687868
chr10	1.18E+08	117546699	+	3.487E-17	5.7397E-16	0.222148	hyper	sig	chr10_117546699
chr1	1.54E+08	153538376	+	3.487E-17	5.7403E-16	-0.2502	hypo	sig	chr1_153538376
chr9	1.35E+08	134872181	+	3.488E-17	5.7413E-16	0.259228	hyper	sig	chr9_134872181
chr11	351091	351091	+	3.491E-17	5.7455E-16	-0.25036	hypo	sig	chr11_351091
chr2	621957	621957	+	3.491E-17	5.746E-16	-0.24502	hypo	sig	chr2_621957
chr2	2.22E+08	221571048	+	3.495E-17	5.7523E-16	0.26642	hyper	sig	chr2_221571048
chr22	33006408	33006408	+	3.495E-17	5.753E-16	-0.26275	hypo	sig	chr22_33006408
chr7	1.5E+08	149787929	+	3.496E-17	5.753E-16	-0.24802	hypo	sig	chr7_149787929
chr14	56799157	56799157	+	3.498E-17	5.7563E-16	0.295453	hyper	sig	chr14_56799157
chr5	1973735	1973735	+	3.498E-17	5.7563E-16	-0.30459	hypo	sig	chr5_1973735
chr8	54466613	54466613	+	3.499E-17	5.7577E-16	0.261194	hyper	sig	chr8_54466613
chr19	3136568	3136568	+	3.501E-17	5.761E-16	-0.26355	hypo	sig	chr19_3136568
chr16	86513092	86513092	+	3.501E-17	5.7615E-16	0.340169	hyper	sig	chr16_86513092
chr8	694537	694537	+	3.501E-17	5.7619E-16	-0.21358	hypo	sig	chr8_694537
chr12	1.29E+08	128944728	+	3.505E-17	5.7678E-16	-0.34985	hypo	sig	chr12_128944728
chr13	87674454	87674454	+	3.507E-17	5.7709E-16	0.299523	hyper	sig	chr13_87674454
chr19	48491710	48491710	+	3.507E-17	5.771E-16	0.310891	hyper	sig	chr19_48491710
chr1	2.28E+08	227944226	+	3.512E-17	5.7793E-16	0.296005	hyper	sig	chr1_227944226

chr12	1.32E+08	132315391	+	3.514E-17	5.7815E-16	-0.27577	hypo	sig	chr12_132315391
chr7	1.55E+08	155374913	+	3.514E-17	5.782E-16	0.257043	hyper	sig	chr7_155374913
chr20	63006044	63006044	+	3.515E-17	5.7829E-16	0.256354	hyper	sig	chr20_63006044
chr7	1.29E+08	128697724	+	3.516E-17	5.7851E-16	0.301962	hyper	sig	chr7_128697724
chr12	66239494	66239494	+	3.518E-17	5.7883E-16	-0.27936	hypo	sig	chr12_66239494
chr6	30260318	30260318	+	3.519E-17	5.7897E-16	0.25789	hyper	sig	chr6_30260318
chr2	1.28E+08	128348874	+	3.52E-17	5.7907E-16	0.23652	hyper	sig	chr2_128348874
chr5	1.41E+08	141414827	+	3.521E-17	5.7926E-16	0.273857	hyper	sig	chr5_141414827
chr19	1005428	1005428	+	3.524E-17	5.7983E-16	-0.20776	hypo	sig	chr19_1005428
chr5	1.41E+08	141430974	+	3.525E-17	5.7996E-16	0.235117	hyper	sig	chr5_141430974
chr6	31582816	31582816	+	3.526E-17	5.8006E-16	-0.2563	hypo	sig	chr6_31582816
chr19	1295653	1295653	+	3.527E-17	5.8014E-16	0.259583	hyper	sig	chr19_1295653
chr1	90725389	90725389	+	3.527E-17	5.8023E-16	0.277215	hyper	sig	chr1_90725389
chr17	14318918	14318918	+	3.527E-17	5.8023E-16	-0.2469	hypo	sig	chr17_14318918
chr6	1.69E+08	169020553	+	3.532E-17	5.8105E-16	-0.262	hypo	sig	chr6_169020553
chr6	32070773	32070773	+	3.54E-17	5.8229E-16	-0.27988	hypo	sig	chr6_32070773
chr3	14810222	14810222	+	3.541E-17	5.8237E-16	0.30537	hyper	sig	chr3_14810222
chr4	8246738	8246738	+	3.541E-17	5.824E-16	-0.24571	hypo	sig	chr4_8246738
chr1	2.15E+08	215082210	+	3.542E-17	5.8257E-16	0.29124	hyper	sig	chr1_215082210
chr5	1.4E+08	139903466	+	3.546E-17	5.8327E-16	-0.25759	hypo	sig	chr5_139903466
chr2	88765335	88765335	+	3.547E-17	5.8334E-16	0.258762	hyper	sig	chr2_88765335
chr6	1.16E+08	116370310	+	3.547E-17	5.8337E-16	0.232472	hyper	sig	chr6_116370310
chr1	1.83E+08	183417593	+	3.548E-17	5.8349E-16	0.236412	hyper	sig	chr1_183417593
chr8	51230854	51230854	+	3.548E-17	5.8349E-16	-0.28742	hypo	sig	chr8_51230854
chr1	8027361	8027361	+	3.549E-17	5.8359E-16	-0.23825	hypo	sig	chr1_8027361
chr1	1.71E+08	170667097	+	3.549E-17	5.8369E-16	0.317344	hyper	sig	chr1_170667097
chr17	38421449	38421449	+	3.551E-17	5.8395E-16	0.257528	hyper	sig	chr17_38421449
chr3	1.23E+08	122916189	+	3.552E-17	5.8402E-16	-0.33252	hypo	sig	chr3_122916189
chr5	1.81E+08	181221822	+	3.554E-17	5.8433E-16	-0.24512	hypo	sig	chr5_181221822
chr8	23705633	23705633	+	3.561E-17	5.856E-16	0.30605	hyper	sig	chr8_23705633
chr12	51828175	51828175	+	3.563E-17	5.8577E-16	-0.21835	hypo	sig	chr12_51828175
chr12	54047447	54047447	+	3.565E-17	5.8623E-16	0.286666	hyper	sig	chr12_54047447
chr16	86931999	86931999	+	3.568E-17	5.867E-16	0.327047	hyper	sig	chr16_86931999
chr3	1.14E+08	114103678	+	3.569E-17	5.8686E-16	-0.3058	hypo	sig	chr3_114103678
chr19	45472921	45472921	+	3.578E-17	5.8819E-16	0.306884	hyper	sig	chr19_45472921
chr12	1.13E+08	113478629	+	3.578E-17	5.8824E-16	0.311982	hyper	sig	chr12_113478629
chr5	1.41E+08	141303821	+	3.578E-17	5.8833E-16	0.314076	hyper	sig	chr5_141303821
chr16	1533876	1533876	+	3.58E-17	5.8864E-16	0.234108	hyper	sig	chr16_1533876
chr5	44388989	44388989	+	3.581E-17	5.8866E-16	0.281039	hyper	sig	chr5_44388989
chr19	3801760	3801760	+	3.582E-17	5.8891E-16	0.212525	hyper	sig	chr19_3801760
chr2	2.19E+08	219244447	+	3.583E-17	5.8902E-16	-0.22477	hypo	sig	chr2_219244447
chr16	67966860	67966860	+	3.584E-17	5.8925E-16	0.248572	hyper	sig	chr16_67966860
chr3	1.29E+08	128507228	+	3.586E-17	5.8956E-16	-0.22929	hypo	sig	chr3_128507228
chr1	2.35E+08	234522715	+	3.589E-17	5.8991E-16	-0.22963	hypo	sig	chr1_234522715
chr10	8051276	8051276	+	3.591E-17	5.9024E-16	0.22894	hyper	sig	chr10_8051276
chr20	54206638	54206638	+	3.591E-17	5.9024E-16	-0.27966	hypo	sig	chr20_54206638
chr22	48561959	48561959	+	3.592E-17	5.9037E-16	-0.26705	hypo	sig	chr22_48561959
chr17	44197969	44197969	+	3.593E-17	5.9061E-16	0.234742	hyper	sig	chr17_44197969
chr13	1.12E+08	112038138	+	3.593E-17	5.9065E-16	-0.24481	hypo	sig	chr13_112038138
chr1	1.65E+08	164576474	+	3.594E-17	5.9078E-16	0.357691	hyper	sig	chr1_164576474
chr5	88889940	88889940	+	3.595E-17	5.9078E-16	0.227285	hyper	sig	chr5_88889940
chr21	44989988	44989988	+	3.595E-17	5.9083E-16	0.349858	hyper	sig	chr21_44989988
chr1	6456233	6456233	+	3.597E-17	5.9108E-16	0.241443	hyper	sig	chr1_6456233
chr3	1.47E+08	147391997	+	3.6E-17	5.9173E-16	0.294617	hyper	sig	chr3_147391997
chr16	85697671	85697671	+	3.604E-17	5.9222E-16	-0.26252	hypo	sig	chr16_85697671
chr19	2867291	2867291	+	3.605E-17	5.9238E-16	-0.30729	hypo	sig	chr19_2867291

chr1	27351471	27351471	+	3.606E-17	5.926E-16	0.297889	hyper	sig	chr1_27351471
chr6	1.05E+08	104940316	+	3.606E-17	5.926E-16	0.294878	hyper	sig	chr6_104940316
chr11	75242445	75242445	+	3.61E-17	5.9316E-16	0.234217	hyper	sig	chr11_75242445
chr3	1.38E+08	137767249	+	3.611E-17	5.9334E-16	0.212927	hyper	sig	chr3_137767249
chr15	81118475	81118475	+	3.615E-17	5.9408E-16	0.286191	hyper	sig	chr15_81118475
chr13	1.12E+08	112241117	+	3.622E-17	5.9508E-16	-0.24322	hypo	sig	chr13_112241117
chr7	1200319	1200319	+	3.622E-17	5.9511E-16	0.260754	hyper	sig	chr7_1200319
chr19	9498719	9498719	+	3.623E-17	5.9528E-16	0.282714	hyper	sig	chr19_9498719
chr1	11692398	11692398	+	3.625E-17	5.9558E-16	0.232243	hyper	sig	chr1_11692398
chr8	37965875	37965875	+	3.625E-17	5.9565E-16	0.20517	hyper	sig	chr8_37965875
chr1	2.47E+08	246565361	+	3.63E-17	5.9636E-16	-0.26959	hypo	sig	chr1_246565361
chr5	2755762	2755762	+	3.634E-17	5.9695E-16	0.257304	hyper	sig	chr5_2755762
chr7	8434918	8434918	+	3.634E-17	5.9708E-16	0.245692	hyper	sig	chr7_8434918
chr7	1.55E+08	155373232	+	3.634E-17	5.9708E-16	0.278199	hyper	sig	chr7_155373232
chr2	53860352	53860352	+	3.636E-17	5.9735E-16	0.325952	hyper	sig	chr2_53860352
chr16	2004286	2004286	+	3.638E-17	5.9764E-16	0.240569	hyper	sig	chr16_2004286
chr5	1.78E+08	178449862	+	3.639E-17	5.9771E-16	-0.21161	hypo	sig	chr5_178449862
chr16	1543213	1543213	+	3.64E-17	5.9794E-16	-0.28192	hypo	sig	chr16_1543213
chr15	74129577	74129577	+	3.641E-17	5.9813E-16	0.306044	hyper	sig	chr15_74129577
chr2	1.85E+08	184598152	+	3.645E-17	5.9867E-16	0.253611	hyper	sig	chr2_184598152
chr1	1.54E+08	153561446	+	3.645E-17	5.9878E-16	0.228718	hyper	sig	chr1_153561446
chr4	1.85E+08	185024076	+	3.649E-17	5.9936E-16	-0.23256	hypo	sig	chr4_185024076
chr5	1.35E+08	135030904	+	3.65E-17	5.9951E-16	0.230958	hyper	sig	chr5_135030904
chr15	52794643	52794643	+	3.651E-17	5.9959E-16	0.273222	hyper	sig	chr15_52794643
chr5	1.71E+08	171307831	+	3.656E-17	6.0045E-16	0.295798	hyper	sig	chr5_171307831
chr6	75208495	75208495	+	3.657E-17	6.0053E-16	-0.24074	hypo	sig	chr6_75208495
chr11	61534662	61534662	+	3.657E-17	6.006E-16	-0.26927	hypo	sig	chr11_61534662
chr2	1903197	1903197	+	3.659E-17	6.0096E-16	-0.24994	hypo	sig	chr2_1903197
chr5	77844419	77844419	+	3.661E-17	6.0118E-16	0.208259	hyper	sig	chr5_77844419
chr2	72982444	72982444	+	3.662E-17	6.0143E-16	-0.21521	hypo	sig	chr2_72982444
chr8	1.43E+08	142563600	+	3.664E-17	6.0173E-16	-0.2572	hypo	sig	chr8_142563600
chr6	32204053	32204053	+	3.667E-17	6.022E-16	-0.23235	hypo	sig	chr6_32204053
chr10	45199540	45199540	+	3.667E-17	6.0223E-16	0.264004	hyper	sig	chr10_45199540
chr3	45594894	45594894	+	3.672E-17	6.0291E-16	-0.21689	hypo	sig	chr3_45594894
chr5	1885493	1885493	+	3.674E-17	6.0333E-16	0.290845	hyper	sig	chr5_1885493
chr9	1051598	1051598	+	3.68E-17	6.0427E-16	0.204683	hyper	sig	chr9_1051598
chr9	1.33E+08	132579750	+	3.681E-17	6.0446E-16	0.245974	hyper	sig	chr9_132579750
chr14	54220442	54220442	+	3.682E-17	6.0453E-16	0.239103	hyper	sig	chr14_54220442
chr5	1752749	1752749	+	3.684E-17	6.0484E-16	-0.314	hypo	sig	chr5_1752749
chr2	2026587	2026587	+	3.684E-17	6.0487E-16	-0.30721	hypo	sig	chr2_2026587
chr3	1.47E+08	147423827	+	3.687E-17	6.0533E-16	0.216559	hyper	sig	chr3_147423827
chr6	30207134	30207134	+	3.687E-17	6.0534E-16	-0.27896	hypo	sig	chr6_30207134
chr2	2.35E+08	234796279	+	3.687E-17	6.0536E-16	0.325469	hyper	sig	chr2_234796279
chr19	2511551	2511551	+	3.689E-17	6.0562E-16	-0.35958	hypo	sig	chr19_2511551
chr11	1.18E+08	117512044	+	3.693E-17	6.0635E-16	-0.25418	hypo	sig	chr11_117512044
chr10	1.33E+08	133230013	+	3.696E-17	6.0673E-16	0.226339	hyper	sig	chr10_133230013
chr11	40293787	40293787	+	3.696E-17	6.0673E-16	0.247802	hyper	sig	chr11_40293787
chr20	45097890	45097890	+	3.696E-17	6.0675E-16	0.279455	hyper	sig	chr20_45097890
chr9	1.38E+08	137881515	+	3.699E-17	6.0725E-16	-0.28453	hypo	sig	chr9_137881515
chr5	1.39E+08	139393588	+	3.7E-17	6.0736E-16	0.250893	hyper	sig	chr5_139393588
chr1	16226946	16226946	+	3.701E-17	6.0753E-16	0.295102	hyper	sig	chr1_16226946
chr2	1.78E+08	178108420	+	3.701E-17	6.0756E-16	-0.21698	hypo	sig	chr2_178108420
chr20	25584826	25584826	+	3.701E-17	6.0756E-16	0.289536	hyper	sig	chr20_25584826
chr16	86496034	86496034	+	3.702E-17	6.0758E-16	0.319237	hyper	sig	chr16_86496034
chr17	40552328	40552328	+	3.705E-17	6.0813E-16	0.237559	hyper	sig	chr17_40552328
chr1	2441989	2441989	+	3.708E-17	6.0857E-16	-0.29285	hypo	sig	chr1_2441989

chr7	97017254	97017254	+	3.71E-17	6.0882E-16	0.273154	hyper	sig	chr7_97017254
chr1	2.05E+08	205448263	+	3.71E-17	6.0892E-16	-0.33761	hypo	sig	chr1_205448263
chr10	1.3E+08	129969775	+	3.711E-17	6.0903E-16	0.222595	hyper	sig	chr10_129969775
chr10	48672547	48672547	+	3.714E-17	6.0945E-16	-0.32365	hypo	sig	chr10_48672547
chr5	1868165	1868165	+	3.715E-17	6.096E-16	0.273268	hyper	sig	chr5_1868165
chr15	75713520	75713520	+	3.715E-17	6.0963E-16	0.271198	hyper	sig	chr15_75713520
chr6	31765928	31765928	+	3.716E-17	6.0973E-16	0.248786	hyper	sig	chr6_31765928
chr14	1.05E+08	104784995	+	3.72E-17	6.1037E-16	0.27155	hyper	sig	chr14_104784995
chr19	48745869	48745869	+	3.72E-17	6.1037E-16	0.275953	hyper	sig	chr19_48745869
chr9	1.37E+08	137062856	+	3.724E-17	6.1101E-16	-0.23666	hypo	sig	chr9_137062856
chr7	1.01E+08	100720422	+	3.724E-17	6.1103E-16	0.357046	hyper	sig	chr7_100720422
chr14	37622312	37622312	+	3.73E-17	6.1191E-16	0.290045	hyper	sig	chr14_37622312
chr5	88672955	88672955	+	3.733E-17	6.1249E-16	0.213938	hyper	sig	chr5_88672955
chr8	1.44E+08	144107397	+	3.737E-17	6.1308E-16	0.213138	hyper	sig	chr8_144107397
chr19	5681360	5681360	+	3.737E-17	6.1311E-16	0.293247	hyper	sig	chr19_5681360
chr20	40683371	40683371	+	3.738E-17	6.1321E-16	0.230202	hyper	sig	chr20_40683371
chr11	1884650	1884650	+	3.741E-17	6.1373E-16	-0.24988	hypo	sig	chr11_1884650
chr19	53308735	53308735	+	3.742E-17	6.1392E-16	0.258519	hyper	sig	chr19_53308735
chr1	1.61E+08	161079737	+	3.743E-17	6.1398E-16	0.300936	hyper	sig	chr1_161079737
chr11	66267323	66267323	+	3.744E-17	6.1413E-16	0.203516	hyper	sig	chr11_66267323
chr1	1.5E+08	149789516	+	3.746E-17	6.1453E-16	-0.2677	hypo	sig	chr1_149789516
chr8	22224588	22224588	+	3.747E-17	6.1467E-16	0.277242	hyper	sig	chr8_22224588
chr20	56926125	56926125	+	3.75E-17	6.1508E-16	0.225037	hyper	sig	chr20_56926125
chr2	2.42E+08	241843067	+	3.75E-17	6.1509E-16	-0.24981	hypo	sig	chr2_241843067
chr10	1.33E+08	132786512	+	3.751E-17	6.152E-16	0.226907	hyper	sig	chr10_132786512
chr8	1.16E+08	115648564	+	3.751E-17	6.1521E-16	0.365953	hyper	sig	chr8_115648564
chr5	3597657	3597657	+	3.752E-17	6.1529E-16	0.23127	hyper	sig	chr5_3597657
chr2	1.19E+08	118849816	+	3.756E-17	6.1605E-16	0.261485	hyper	sig	chr2_118849816
chr11	94401064	94401064	+	3.757E-17	6.1611E-16	0.296492	hyper	sig	chr11_94401064
chr17	82875248	82875248	+	3.757E-17	6.1616E-16	-0.23653	hypo	sig	chr17_82875248
chr3	1.95E+08	195105673	+	3.76E-17	6.1658E-16	-0.27704	hypo	sig	chr3_195105673
chr12	1.13E+08	113479853	+	3.762E-17	6.1694E-16	0.288615	hyper	sig	chr12_113479853
chr17	82324666	82324666	+	3.764E-17	6.1723E-16	-0.2566	hypo	sig	chr17_82324666
chr8	70037157	70037157	+	3.767E-17	6.1763E-16	-0.24901	hypo	sig	chr8_70037157
chr1	1.55E+08	154932386	+	3.768E-17	6.1788E-16	-0.28659	hypo	sig	chr1_154932386
chr7	4268584	4268584	+	3.773E-17	6.186E-16	-0.25357	hypo	sig	chr7_4268584
chr19	2428632	2428632	+	3.774E-17	6.1887E-16	0.237448	hyper	sig	chr19_2428632
chr19	4566563	4566563	+	3.777E-17	6.193E-16	-0.30149	hypo	sig	chr19_4566563
chr7	1.55E+08	155071009	+	3.778E-17	6.1948E-16	0.384965	hyper	sig	chr7_155071009
chr7	2729619	2729619	+	3.779E-17	6.1952E-16	0.29361	hyper	sig	chr7_2729619
chr11	65818719	65818719	+	3.783E-17	6.2015E-16	-0.25066	hypo	sig	chr11_65818719
chr17	77233673	77233673	+	3.79E-17	6.2128E-16	-0.26152	hypo	sig	chr17_77233673
chr11	66559169	66559169	+	3.792E-17	6.2172E-16	0.311862	hyper	sig	chr11_66559169
chr7	1.5E+08	150048008	+	3.793E-17	6.2172E-16	0.244252	hyper	sig	chr7_150048008
chr16	1186882	1186882	+	3.794E-17	6.2198E-16	-0.31219	hypo	sig	chr16_1186882
chr12	49091185	49091185	+	3.796E-17	6.2223E-16	0.286355	hyper	sig	chr12_49091185
chr19	1401784	1401784	+	3.796E-17	6.2225E-16	0.251385	hyper	sig	chr19_1401784
chr3	1.28E+08	128481983	+	3.799E-17	6.2272E-16	0.322549	hyper	sig	chr3_128481983
chr17	79752424	79752424	+	3.8E-17	6.2289E-16	-0.31025	hypo	sig	chr17_79752424
chr19	37817506	37817506	+	3.8E-17	6.2289E-16	0.353778	hyper	sig	chr19_37817506
chr6	393284	393284	+	3.8E-17	6.2291E-16	0.28511	hyper	sig	chr6_393284
chr19	49165472	49165472	+	3.802E-17	6.2321E-16	0.277436	hyper	sig	chr19_49165472
chr17	75828271	75828271	+	3.803E-17	6.2335E-16	0.263466	hyper	sig	chr17_75828271
chr10	26218485	26218485	+	3.805E-17	6.2369E-16	0.288217	hyper	sig	chr10_26218485
chr19	52536078	52536078	+	3.807E-17	6.2402E-16	0.302127	hyper	sig	chr19_52536078
chr13	25046850	25046850	+	3.808E-17	6.2406E-16	0.250717	hyper	sig	chr13_25046850

chr6	1.06E+08	105981237	+	3.808E-17	6.2406E-16	0.290838	hyper	sig	chr6_105981237
chr5	1.41E+08	141419371	+	3.809E-17	6.2419E-16	0.296306	hyper	sig	chr5_141419371
chr1	7784840	7784840	+	3.809E-17	6.2424E-16	0.328952	hyper	sig	chr1_7784840
chr7	923717	923717	+	3.811E-17	6.2453E-16	-0.28312	hypo	sig	chr7_923717
chr8	26866429	26866429	+	3.816E-17	6.2533E-16	0.275797	hyper	sig	chr8_26866429
chr1	1.61E+08	161198403	+	3.816E-17	6.2534E-16	0.334259	hyper	sig	chr1_161198403
chr14	99792683	99792683	+	3.818E-17	6.2562E-16	0.232947	hyper	sig	chr14_99792683
chr19	1526508	1526508	+	3.821E-17	6.2604E-16	-0.273	hypo	sig	chr19_1526508
chr21	38804673	38804673	+	3.823E-17	6.2646E-16	-0.24482	hypo	sig	chr21_38804673
chr19	40568043	40568043	+	3.824E-17	6.2657E-16	0.314391	hyper	sig	chr19_40568043
chr14	21025920	21025920	+	3.825E-17	6.2667E-16	0.314659	hyper	sig	chr14_21025920
chr1	1.47E+08	147081014	+	3.826E-17	6.2689E-16	0.260468	hyper	sig	chr1_147081014
chr7	1.57E+08	157096526	+	3.827E-17	6.2695E-16	0.259417	hyper	sig	chr7_157096526
chr14	1.04E+08	104134230	+	3.827E-17	6.2709E-16	-0.25187	hypo	sig	chr14_104134230
chr16	86572795	86572795	+	3.83E-17	6.275E-16	0.255899	hyper	sig	chr16_86572795
chr16	31569675	31569675	+	3.83E-17	6.2753E-16	0.291509	hyper	sig	chr16_31569675
chr16	66948916	66948916	+	3.83E-17	6.2753E-16	0.275703	hyper	sig	chr16_66948916
chr10	8075520	8075520	+	3.834E-17	6.2807E-16	0.231406	hyper	sig	chr10_8075520
chr13	54799970	54799970	+	3.834E-17	6.2809E-16	-0.21305	hypo	sig	chr13_54799970
chr7	41965268	41965268	+	3.835E-17	6.2829E-16	-0.22036	hypo	sig	chr7_41965268
chr6	27050281	27050281	+	3.836E-17	6.2848E-16	0.263927	hyper	sig	chr6_27050281
chr12	1.14E+08	114405876	+	3.84E-17	6.2898E-16	0.22556	hyper	sig	chr12_114405876
chr2	1.3E+08	129587473	+	3.842E-17	6.2934E-16	0.274559	hyper	sig	chr2_129587473
chr1	37035002	37035002	+	3.842E-17	6.2939E-16	0.208568	hyper	sig	chr1_37035002
chr15	92589001	92589001	+	3.85E-17	6.3062E-16	-0.26087	hypo	sig	chr15_92589001
chr6	31580783	31580783	+	3.851E-17	6.3074E-16	0.264466	hyper	sig	chr6_31580783
chr18	8366964	8366964	+	3.851E-17	6.3077E-16	-0.23334	hypo	sig	chr18_8366964
chr8	26048548	26048548	+	3.854E-17	6.3125E-16	0.251095	hyper	sig	chr8_26048548
chr1	57424948	57424948	+	3.855E-17	6.3132E-16	0.212128	hyper	sig	chr1_57424948
chr11	26994452	26994452	+	3.856E-17	6.3149E-16	0.299927	hyper	sig	chr11_26994452
chr4	1.47E+08	146637085	+	3.86E-17	6.3224E-16	0.324006	hyper	sig	chr4_146637085
chr2	74516347	74516347	+	3.861E-17	6.3234E-16	0.212252	hyper	sig	chr2_74516347
chr22	39483974	39483974	+	3.862E-17	6.3249E-16	-0.27463	hypo	sig	chr22_39483974
chr13	42574925	42574925	+	3.864E-17	6.3284E-16	0.236539	hyper	sig	chr13_42574925
chr6	27515307	27515307	+	3.868E-17	6.3339E-16	0.327656	hyper	sig	chr6_27515307
chr4	95547942	95547942	+	3.868E-17	6.334E-16	0.232354	hyper	sig	chr4_95547942
chr11	61446083	61446083	+	3.868E-17	6.3347E-16	0.217128	hyper	sig	chr11_61446083
chr19	4566545	4566545	+	3.869E-17	6.3363E-16	-0.31033	hypo	sig	chr19_4566545
chr5	37838660	37838660	+	3.87E-17	6.3374E-16	0.225769	hyper	sig	chr5_37838660
chr4	2430208	2430208	+	3.871E-17	6.3391E-16	-0.30662	hypo	sig	chr4_2430208
chr10	1.25E+08	124545533	+	3.872E-17	6.3404E-16	-0.2672	hypo	sig	chr10_124545533
chr7	1.57E+08	157004298	+	3.872E-17	6.3405E-16	0.205003	hyper	sig	chr7_157004298
chr12	41189546	41189546	+	3.873E-17	6.3415E-16	0.274631	hyper	sig	chr12_41189546
chr5	1.8E+08	179801927	+	3.874E-17	6.3426E-16	0.281508	hyper	sig	chr5_179801927
chr21	44958523	44958523	+	3.874E-17	6.3431E-16	0.367761	hyper	sig	chr21_44958523
chr6	30127436	30127436	+	3.876E-17	6.3458E-16	0.259038	hyper	sig	chr6_30127436
chr12	57767072	57767072	+	3.877E-17	6.3472E-16	0.244356	hyper	sig	chr12_57767072
chr7	1.58E+08	158196687	+	3.881E-17	6.3533E-16	-0.3195	hypo	sig	chr7_158196687
chr5	1.38E+08	137500652	+	3.881E-17	6.3533E-16	-0.32725	hypo	sig	chr5_137500652
chr6	75201993	75201993	+	3.882E-17	6.355E-16	0.23502	hyper	sig	chr6_75201993
chr6	1.08E+08	108167395	+	3.883E-17	6.3567E-16	0.272935	hyper	sig	chr6_108167395
chr21	36705714	36705714	+	3.886E-17	6.3607E-16	0.307673	hyper	sig	chr21_36705714
chr15	31216740	31216740	+	3.886E-17	6.3611E-16	-0.22464	hypo	sig	chr15_31216740
chr1	1.98E+08	197921476	+	3.886E-17	6.3614E-16	0.226824	hyper	sig	chr1_197921476
chr17	19905765	19905765	+	3.889E-17	6.3655E-16	-0.24043	hypo	sig	chr17_19905765
chr2	1.1E+08	110115023	+	3.892E-17	6.3706E-16	-0.26169	hypo	sig	chr2_110115023

chr10	1173468	1173468	+	3.896E-17	6.3765E-16	-0.28917	hypo	sig	chr10_1173468
chr3	1.47E+08	147388144	+	3.897E-17	6.3783E-16	0.246646	hyper	sig	chr3_147388144
chr4	1.74E+08	173516787	+	3.897E-17	6.3784E-16	0.252271	hyper	sig	chr4_173516787
chr13	1.12E+08	112252265	+	3.897E-17	6.3791E-16	-0.32351	hypo	sig	chr13_112252265
chr20	63177702	63177702	+	3.898E-17	6.3795E-16	0.281492	hyper	sig	chr20_63177702
chr1	2.48E+08	247534512	+	3.9E-17	6.3827E-16	-0.27278	hypo	sig	chr1_247534512
chr2	1.27E+08	127025075	+	3.908E-17	6.3962E-16	0.210681	hyper	sig	chr2_127025075
chr3	1.72E+08	172450051	+	3.915E-17	6.4065E-16	0.303265	hyper	sig	chr3_172450051
chr6	29623305	29623305	+	3.917E-17	6.4101E-16	-0.2948	hypo	sig	chr6_29623305
chr21	25639810	25639810	+	3.917E-17	6.4103E-16	0.289693	hyper	sig	chr21_25639810
chr19	12194759	12194759	+	3.919E-17	6.4122E-16	0.278489	hyper	sig	chr19_12194759
chr1	1.55E+08	154772282	+	3.922E-17	6.4183E-16	-0.22643	hypo	sig	chr1_154772282
chr4	1309950	1309950	+	3.927E-17	6.4265E-16	0.236299	hyper	sig	chr4_1309950
chr5	2010119	2010119	+	3.935E-17	6.439E-16	-0.26219	hypo	sig	chr5_2010119
chr8	1.03E+08	103370337	+	3.935E-17	6.439E-16	-0.22565	hypo	sig	chr8_103370337
chr6	6003518	6003518	+	3.936E-17	6.4399E-16	0.218156	hyper	sig	chr6_6003518
chr1	1963719	1963719	+	3.94E-17	6.4458E-16	-0.24499	hypo	sig	chr1_1963719
chr17	81304458	81304458	+	3.942E-17	6.4495E-16	-0.24769	hypo	sig	chr17_81304458
chr1	1.8E+08	179744106	+	3.943E-17	6.4509E-16	0.337102	hyper	sig	chr1_179744106
chr14	1.01E+08	100732163	+	3.944E-17	6.4517E-16	-0.31111	hypo	sig	chr14_100732163
chr9	1.11E+08	110579732	+	3.944E-17	6.4527E-16	0.253952	hyper	sig	chr9_110579732
chr2	2.31E+08	231400373	+	3.946E-17	6.455E-16	0.23386	hyper	sig	chr2_231400373
chr20	46651378	46651378	+	3.948E-17	6.4578E-16	0.271331	hyper	sig	chr20_46651378
chr12	46831577	46831577	+	3.948E-17	6.4587E-16	0.215488	hyper	sig	chr12_46831577
chr19	13085803	13085803	+	3.949E-17	6.4594E-16	0.217541	hyper	sig	chr19_13085803
chr2	2.39E+08	239222137	+	3.949E-17	6.4601E-16	0.274722	hyper	sig	chr2_239222137
chr1	36176165	36176165	+	3.95E-17	6.4615E-16	0.297411	hyper	sig	chr1_36176165
chr6	1E+08	100449437	+	3.951E-17	6.4624E-16	0.288618	hyper	sig	chr6_100449437
chr10	511987	511987	+	3.952E-17	6.4639E-16	0.246989	hyper	sig	chr10_511987
chr3	1.84E+08	184379634	+	3.953E-17	6.4661E-16	0.306467	hyper	sig	chr3_184379634
chr6	32166965	32166965	+	3.955E-17	6.4696E-16	0.20947	hyper	sig	chr6_32166965
chr7	1.22E+08	122316589	+	3.956E-17	6.4699E-16	0.242415	hyper	sig	chr7_122316589
chr19	8592614	8592614	+	3.957E-17	6.4718E-16	0.207133	hyper	sig	chr19_8592614
chr9	1.22E+08	122220134	+	3.96E-17	6.4769E-16	0.285287	hyper	sig	chr9_122220134
chr9	1.27E+08	126610181	+	3.962E-17	6.4794E-16	0.225474	hyper	sig	chr9_126610181
chr6	65627633	65627633	+	3.964E-17	6.4829E-16	-0.26916	hypo	sig	chr6_65627633
chr17	45835146	45835146	+	3.964E-17	6.483E-16	-0.30564	hypo	sig	chr17_45835146
chr7	57400706	57400706	+	3.965E-17	6.4839E-16	-0.20343	hypo	sig	chr7_57400706
chr2	44934142	44934142	+	3.966E-17	6.4848E-16	0.324393	hyper	sig	chr2_44934142
chr10	23190475	23190475	+	3.967E-17	6.4867E-16	0.302199	hyper	sig	chr10_23190475
chr16	611116	611116	+	3.969E-17	6.4901E-16	0.255974	hyper	sig	chr16_611116
chr2	2.02E+08	202036322	+	3.969E-17	6.4905E-16	0.361881	hyper	sig	chr2_202036322
chr9	1.37E+08	137293496	+	3.971E-17	6.4928E-16	-0.28494	hypo	sig	chr9_137293496
chr2	2.32E+08	231927083	+	3.972E-17	6.4942E-16	0.284088	hyper	sig	chr2_231927083
chr9	93948593	93948593	+	3.973E-17	6.4958E-16	0.275967	hyper	sig	chr9_93948593
chr12	1.21E+08	120907425	+	3.976E-17	6.5015E-16	-0.24485	hypo	sig	chr12_120907425
chr6	34028460	34028460	+	3.984E-17	6.5142E-16	-0.3032	hypo	sig	chr6_34028460
chr8	1.43E+08	142777083	+	3.985E-17	6.5149E-16	0.260798	hyper	sig	chr8_142777083
chr6	1.5E+08	149965321	+	3.992E-17	6.5262E-16	0.26087	hyper	sig	chr6_149965321
chr20	52973350	52973350	+	3.993E-17	6.5275E-16	0.224855	hyper	sig	chr20_52973350
chr20	63521743	63521743	+	3.996E-17	6.5327E-16	0.227119	hyper	sig	chr20_63521743
chr10	1.24E+08	123992111	+	3.996E-17	6.5334E-16	0.264063	hyper	sig	chr10_123992111
chr5	1.41E+08	140843438	+	3.999E-17	6.5382E-16	0.284055	hyper	sig	chr5_140843438
chr18	9535809	9535809	+	4E-17	6.5388E-16	0.317586	hyper	sig	chr18_9535809
chr13	87674663	87674663	+	4.001E-17	6.5405E-16	0.244587	hyper	sig	chr13_87674663
chr8	1.2E+08	120125379	+	4.005E-17	6.5462E-16	0.21136	hyper	sig	chr8_120125379

chr11	2807134	2807134	+	4.006E-17	6.5481E-16	0.268466	hyper	sig	chr11_2807134
chr10	86262055	86262055	+	4.007E-17	6.5505E-16	-0.2585	hypo	sig	chr10_86262055
chr4	4858275	4858275	+	4.008E-17	6.5514E-16	0.270261	hyper	sig	chr4_4858275
chr1	1.47E+08	147080167	+	4.009E-17	6.5523E-16	0.272795	hyper	sig	chr1_147080167
chr7	96998388	96998388	+	4.01E-17	6.5542E-16	0.276131	hyper	sig	chr7_96998388
chr16	49488491	49488491	+	4.014E-17	6.5609E-16	-0.28398	hypo	sig	chr16_49488491
chr16	991274	991274	+	4.015E-17	6.5613E-16	-0.26691	hypo	sig	chr16_991274
chr12	53972976	53972976	+	4.017E-17	6.5659E-16	0.276195	hyper	sig	chr12_53972976
chr11	19714787	19714787	+	4.018E-17	6.5673E-16	0.223527	hyper	sig	chr11_19714787
chr9	6703609	6703609	+	4.019E-17	6.5676E-16	-0.20056	hypo	sig	chr9_6703609
chr2	2.22E+08	222295545	+	4.019E-17	6.5678E-16	0.248264	hyper	sig	chr2_222295545
chr10	1.3E+08	130013378	+	4.023E-17	6.5737E-16	0.236723	hyper	sig	chr10_130013378
chr3	46497226	46497226	+	4.025E-17	6.5779E-16	-0.27033	hypo	sig	chr3_46497226
chr19	3025356	3025356	+	4.031E-17	6.5865E-16	-0.2585	hypo	sig	chr19_3025356
chr14	24171912	24171912	+	4.032E-17	6.5888E-16	0.236098	hyper	sig	chr14_24171912
chr11	1.21E+08	120660151	+	4.032E-17	6.5894E-16	-0.26233	hypo	sig	chr11_120660151
chr3	75655347	75655347	+	4.035E-17	6.5939E-16	0.265814	hyper	sig	chr3_75655347
chr4	5897313	5897313	+	4.036E-17	6.5942E-16	-0.32267	hypo	sig	chr4_5897313
chr2	1.2E+08	119523943	+	4.038E-17	6.5973E-16	0.296388	hyper	sig	chr2_119523943
chr6	10425412	10425412	+	4.039E-17	6.599E-16	0.269404	hyper	sig	chr6_10425412
chr1	10530415	10530415	+	4.04E-17	6.6014E-16	0.367549	hyper	sig	chr1_10530415
chr12	6555426	6555426	+	4.043E-17	6.6048E-16	0.309325	hyper	sig	chr12_6555426
chr2	2.22E+08	222312266	+	4.044E-17	6.6065E-16	0.215595	hyper	sig	chr2_222312266
chr6	1.69E+08	168889058	+	4.044E-17	6.6068E-16	0.20415	hyper	sig	chr6_168889058
chr7	1571111	1571111	+	4.044E-17	6.6068E-16	-0.24983	hypo	sig	chr7_1571111
chr1	2.01E+08	201489609	+	4.045E-17	6.6076E-16	0.265003	hyper	sig	chr1_201489609
chr12	63151588	63151588	+	4.045E-17	6.6088E-16	0.227138	hyper	sig	chr12_63151588
chr5	1.78E+08	178165857	+	4.046E-17	6.6104E-16	0.258403	hyper	sig	chr5_178165857
chr2	2.38E+08	237712786	+	4.047E-17	6.6108E-16	0.224371	hyper	sig	chr2_237712786
chr19	2491216	2491216	+	4.047E-17	6.6109E-16	-0.25824	hypo	sig	chr19_2491216
chr1	37690925	37690925	+	4.05E-17	6.6152E-16	-0.23135	hypo	sig	chr1_37690925
chr7	1.43E+08	142876756	+	4.051E-17	6.6178E-16	-0.30692	hypo	sig	chr7_142876756
chr4	41752040	41752040	+	4.052E-17	6.6185E-16	0.267256	hyper	sig	chr4_41752040
chr3	11017364	11017364	+	4.052E-17	6.6186E-16	-0.26188	hypo	sig	chr3_11017364
chr12	3493034	3493034	+	4.052E-17	6.6192E-16	0.31737	hyper	sig	chr12_3493034
chr7	38976319	38976319	+	4.055E-17	6.6235E-16	0.261205	hyper	sig	chr7_38976319
chr7	35253448	35253448	+	4.056E-17	6.6247E-16	0.212397	hyper	sig	chr7_35253448
chr12	52493901	52493901	+	4.056E-17	6.6248E-16	-0.25747	hypo	sig	chr12_52493901
chr20	21102154	21102154	+	4.062E-17	6.6334E-16	0.290827	hyper	sig	chr20_21102154
chr10	8047684	8047684	+	4.062E-17	6.634E-16	0.272507	hyper	sig	chr10_8047684
chr1	2.31E+08	230747063	+	4.063E-17	6.6347E-16	-0.29392	hypo	sig	chr1_230747063
chr16	85622743	85622743	+	4.065E-17	6.6379E-16	-0.28662	hypo	sig	chr16_85622743
chr17	44967354	44967354	+	4.07E-17	6.6461E-16	0.300374	hyper	sig	chr17_44967354
chr12	1.27E+08	127381063	+	4.071E-17	6.6485E-16	0.244191	hyper	sig	chr12_127381063
chr15	26970861	26970861	+	4.072E-17	6.65E-16	0.239628	hyper	sig	chr15_26970861
chr12	75207683	75207683	+	4.077E-17	6.658E-16	0.299747	hyper	sig	chr12_75207683
chr11	1305316	1305316	+	4.078E-17	6.6584E-16	-0.21109	hypo	sig	chr11_1305316
chr1	2.28E+08	228465476	+	4.079E-17	6.66E-16	0.325842	hyper	sig	chr1_228465476
chr8	1.44E+08	143937919	+	4.081E-17	6.6635E-16	-0.24647	hypo	sig	chr8_143937919
chr15	98943043	98943043	+	4.082E-17	6.6654E-16	0.2348	hyper	sig	chr15_98943043
chr9	1.3E+08	130175519	+	4.082E-17	6.6654E-16	0.314393	hyper	sig	chr9_130175519
chr19	58118684	58118684	+	4.083E-17	6.6661E-16	0.302303	hyper	sig	chr19_58118684
chr20	25081131	25081131	+	4.084E-17	6.6672E-16	0.340612	hyper	sig	chr20_25081131
chr16	85147354	85147354	+	4.084E-17	6.6682E-16	-0.23946	hypo	sig	chr16_85147354
chr4	3385563	3385563	+	4.084E-17	6.6683E-16	-0.27042	hypo	sig	chr4_3385563
chr10	7411970	7411970	+	4.085E-17	6.669E-16	0.363179	hyper	sig	chr10_7411970

chr10	1.34E+08	133569955	+	4.088E-17	6.6744E-16	0.278728	hyper	sig	chr10_133569955
chr12	52007699	52007699	+	4.09E-17	6.6774E-16	0.209461	hyper	sig	chr12_52007699
chr17	20907942	20907942	+	4.092E-17	6.6808E-16	-0.33388	hypo	sig	chr17_20907942
chr5	42993876	42993876	+	4.092E-17	6.6808E-16	0.244934	hyper	sig	chr5_42993876
chr5	1.41E+08	141428196	+	4.092E-17	6.6808E-16	0.219078	hyper	sig	chr5_141428196
chr19	1450382	1450382	+	4.094E-17	6.6825E-16	0.271522	hyper	sig	chr19_1450382
chr7	21543608	21543608	+	4.097E-17	6.688E-16	0.216084	hyper	sig	chr7_21543608
chr6	84772889	84772889	+	4.099E-17	6.6911E-16	0.281058	hyper	sig	chr6_84772889
chr7	44768700	44768700	+	4.1E-17	6.6924E-16	0.294584	hyper	sig	chr7_44768700
chr6	1.5E+08	149965123	+	4.101E-17	6.6938E-16	0.246581	hyper	sig	chr6_149965123
chr10	48684816	48684816	+	4.106E-17	6.7009E-16	-0.24327	hypo	sig	chr10_48684816
chr12	62191364	62191364	+	4.106E-17	6.7013E-16	0.277998	hyper	sig	chr12_62191364
chr2	70888098	70888098	+	4.107E-17	6.7033E-16	0.239263	hyper	sig	chr2_70888098
chr8	19593513	19593513	+	4.108E-17	6.7041E-16	-0.22163	hypo	sig	chr8_19593513
chr7	1.29E+08	128511978	+	4.109E-17	6.7059E-16	-0.2305	hypo	sig	chr7_128511978
chr5	1.41E+08	140823052	+	4.11E-17	6.7073E-16	0.283557	hyper	sig	chr5_140823052
chr1	53526713	53526713	+	4.11E-17	6.7081E-16	0.322106	hyper	sig	chr1_53526713
chr4	73998545	73998545	+	4.111E-17	6.7092E-16	0.246074	hyper	sig	chr4_73998545
chr11	69819869	69819869	+	4.112E-17	6.7096E-16	0.279176	hyper	sig	chr11_69819869
chr2	70904541	70904541	+	4.112E-17	6.7105E-16	0.283151	hyper	sig	chr2_70904541
chr1	53500669	53500669	+	4.116E-17	6.7169E-16	0.28564	hyper	sig	chr1_53500669
chr7	983268	983268	+	4.12E-17	6.7235E-16	0.265621	hyper	sig	chr7_983268
chr19	1907645	1907645	+	4.121E-17	6.7239E-16	-0.28041	hypo	sig	chr19_1907645
chr4	8587087	8587087	+	4.121E-17	6.7244E-16	-0.26547	hypo	sig	chr4_8587087
chr8	1.42E+08	142465464	+	4.121E-17	6.7247E-16	-0.27875	hypo	sig	chr8_142465464
chr8	47763167	47763167	+	4.122E-17	6.7256E-16	0.237096	hyper	sig	chr8_47763167
chr11	1652415	1652415	+	4.127E-17	6.7339E-16	-0.28002	hypo	sig	chr11_1652415
chr16	56194612	56194612	+	4.129E-17	6.7366E-16	0.212174	hyper	sig	chr16_56194612
chr1	2.48E+08	247532026	+	4.131E-17	6.7396E-16	-0.22602	hypo	sig	chr1_247532026
chr10	1.3E+08	129867905	+	4.133E-17	6.7421E-16	-0.27858	hypo	sig	chr10_129867905
chr10	1.33E+08	132612679	+	4.133E-17	6.7421E-16	0.29288	hyper	sig	chr10_132612679
chr5	1.43E+08	142686106	+	4.135E-17	6.7457E-16	0.240457	hyper	sig	chr5_142686106
chr17	48542006	48542006	+	4.136E-17	6.748E-16	0.289011	hyper	sig	chr17_48542006
chr21	36298251	36298251	+	4.138E-17	6.7505E-16	-0.24896	hypo	sig	chr21_36298251
chr15	1E+08	100373703	+	4.141E-17	6.7557E-16	0.249801	hyper	sig	chr15_100373703
chr4	41751026	41751026	+	4.143E-17	6.7575E-16	0.26552	hyper	sig	chr4_41751026
chr6	10381574	10381574	+	4.147E-17	6.765E-16	0.289413	hyper	sig	chr6_10381574
chr6	43996567	43996567	+	4.148E-17	6.7662E-16	0.305274	hyper	sig	chr6_43996567
chr18	11150785	11150785	+	4.151E-17	6.7704E-16	-0.26061	hypo	sig	chr18_11150785
chr6	30883034	30883034	+	4.151E-17	6.7704E-16	-0.2549	hypo	sig	chr6_30883034
chr7	56116261	56116261	+	4.151E-17	6.7706E-16	0.273312	hyper	sig	chr7_56116261
chr6	1.68E+08	168192334	+	4.151E-17	6.7708E-16	-0.2755	hypo	sig	chr6_168192334
chr1	2.05E+08	205314122	+	4.154E-17	6.775E-16	0.253621	hyper	sig	chr1_205314122
chr16	987438	987438	+	4.155E-17	6.7764E-16	-0.34705	hypo	sig	chr16_987438
chr7	5781965	5781965	+	4.156E-17	6.7779E-16	-0.24766	hypo	sig	chr7_5781965
chr11	69089419	69089419	+	4.156E-17	6.7781E-16	0.242679	hyper	sig	chr11_69089419
chr16	3963032	3963032	+	4.156E-17	6.7783E-16	-0.24071	hypo	sig	chr16_3963032
chr8	26051796	26051796	+	4.159E-17	6.7821E-16	0.21509	hyper	sig	chr8_26051796
chr19	55647947	55647947	+	4.166E-17	6.7931E-16	0.228436	hyper	sig	chr19_55647947
chr14	1.01E+08	101047307	+	4.169E-17	6.7986E-16	-0.21761	hypo	sig	chr14_101047307
chr4	89836460	89836460	+	4.17E-17	6.8007E-16	0.216043	hyper	sig	chr4_89836460
chr12	1.07E+08	106581124	+	4.172E-17	6.8032E-16	0.218401	hyper	sig	chr12_106581124
chr12	22375660	22375660	+	4.175E-17	6.8078E-16	-0.25923	hypo	sig	chr12_22375660
chr1	1.55E+08	155322373	+	4.175E-17	6.8084E-16	0.269516	hyper	sig	chr1_155322373
chr3	44709725	44709725	+	4.176E-17	6.8085E-16	-0.24864	hypo	sig	chr3_44709725
chr13	1.12E+08	112069888	+	4.177E-17	6.8111E-16	0.407027	hyper	sig	chr13_112069888

chr12	53945883	53945883	+	4.178E-17	6.8118E-16	0.303292	hyper	sig	chr12_53945883
chr16	760921	760921	+	4.178E-17	6.8124E-16	-0.28373	hypo	sig	chr16_760921
chr8	1.2E+08	119673446	+	4.178E-17	6.8125E-16	0.230031	hyper	sig	chr8_119673446
chr3	1.25E+08	125141840	+	4.18E-17	6.8156E-16	0.357988	hyper	sig	chr3_125141840
chr10	63976626	63976626	+	4.183E-17	6.8193E-16	-0.22849	hypo	sig	chr10_63976626
chr1	10672858	10672858	+	4.189E-17	6.8291E-16	0.211661	hyper	sig	chr1_10672858
chr5	88672267	88672267	+	4.192E-17	6.8332E-16	0.258154	hyper	sig	chr5_88672267
chr19	57600226	57600226	+	4.195E-17	6.8386E-16	0.273161	hyper	sig	chr19_57600226
chr19	41755308	41755308	+	4.197E-17	6.8425E-16	-0.25864	hypo	sig	chr19_41755308
chr10	1.34E+08	133526963	+	4.198E-17	6.844E-16	-0.28811	hypo	sig	chr10_133526963
chr20	63736355	63736355	+	4.2E-17	6.846E-16	-0.28198	hypo	sig	chr20_63736355
chr7	97732096	97732096	+	4.204E-17	6.8535E-16	0.215544	hyper	sig	chr7_97732096
chr5	1206934	1206934	+	4.206E-17	6.8559E-16	0.270402	hyper	sig	chr5_1206934
chr1	75133922	75133922	+	4.209E-17	6.8599E-16	0.239516	hyper	sig	chr1_75133922
chr1	3293298	3293298	+	4.209E-17	6.8601E-16	-0.36226	hypo	sig	chr1_3293298
chr15	82043606	82043606	+	4.209E-17	6.861E-16	0.340079	hyper	sig	chr15_82043606
chr10	11164907	11164907	+	4.212E-17	6.8653E-16	0.227705	hyper	sig	chr10_11164907
chr1	3651165	3651165	+	4.214E-17	6.8676E-16	0.281061	hyper	sig	chr1_3651165
chr20	31968792	31968792	+	4.215E-17	6.8704E-16	0.302317	hyper	sig	chr20_31968792
chr10	1.26E+08	125892572	+	4.222E-17	6.8808E-16	-0.31356	hypo	sig	chr10_125892572
chr16	89834063	89834063	+	4.228E-17	6.89E-16	-0.29349	hypo	sig	chr16_89834063
chr1	1.74E+08	173669991	+	4.232E-17	6.8976E-16	0.213331	hyper	sig	chr1_173669991
chr12	34403157	34403157	+	4.234E-17	6.8999E-16	-0.28433	hypo	sig	chr12_34403157
chr5	43037480	43037480	+	4.234E-17	6.8999E-16	0.252527	hyper	sig	chr5_43037480
chr1	1.99E+08	198679792	+	4.235E-17	6.9017E-16	-0.27968	hypo	sig	chr1_198679792
chr2	5691118	5691118	+	4.235E-17	6.9017E-16	0.219012	hyper	sig	chr2_5691118
chr1	90718961	90718961	+	4.236E-17	6.9034E-16	0.208512	hyper	sig	chr1_90718961
chr8	23225840	23225840	+	4.239E-17	6.9067E-16	-0.28381	hypo	sig	chr8_23225840
chr12	48326841	48326841	+	4.239E-17	6.9069E-16	-0.24486	hypo	sig	chr12_48326841
chr3	24522188	24522188	+	4.239E-17	6.9075E-16	0.21017	hyper	sig	chr3_24522188
chr10	1.33E+08	132832644	+	4.24E-17	6.9083E-16	0.309371	hyper	sig	chr10_132832644
chr19	2511515	2511515	+	4.249E-17	6.9231E-16	-0.29915	hypo	sig	chr19_2511515
chr19	30228698	30228698	+	4.249E-17	6.9233E-16	0.232528	hyper	sig	chr19_30228698
chr17	77281953	77281953	+	4.253E-17	6.9292E-16	-0.23474	hypo	sig	chr17_77281953
chr5	3606441	3606441	+	4.253E-17	6.9293E-16	0.284017	hyper	sig	chr5_3606441
chr4	213398	213398	+	4.255E-17	6.932E-16	0.433798	hyper	sig	chr4_213398
chr19	57709301	57709301	+	4.258E-17	6.9368E-16	0.229685	hyper	sig	chr19_57709301
chr14	36659393	36659393	+	4.264E-17	6.9457E-16	0.268998	hyper	sig	chr14_36659393
chr15	22714472	22714472	+	4.268E-17	6.9527E-16	0.205235	hyper	sig	chr15_22714472
chr14	47675880	47675880	+	4.271E-17	6.9583E-16	0.299966	hyper	sig	chr14_47675880
chr7	27141995	27141995	+	4.272E-17	6.9583E-16	0.229763	hyper	sig	chr7_27141995
chr21	36706730	36706730	+	4.272E-17	6.9592E-16	0.273948	hyper	sig	chr21_36706730
chr19	49528107	49528107	+	4.279E-17	6.9708E-16	0.338262	hyper	sig	chr19_49528107
chr22	17370756	17370756	+	4.283E-17	6.976E-16	0.249651	hyper	sig	chr22_17370756
chr7	79453152	79453152	+	4.288E-17	6.9839E-16	0.263003	hyper	sig	chr7_79453152
chr4	1.74E+08	173526977	+	4.288E-17	6.984E-16	0.285051	hyper	sig	chr4_173526977
chr7	1.58E+08	158042154	+	4.288E-17	6.9842E-16	-0.23636	hypo	sig	chr7_158042154
chr11	624679	624679	+	4.29E-17	6.9876E-16	-0.26004	hypo	sig	chr11_624679
chr2	68653113	68653113	+	4.291E-17	6.989E-16	-0.25086	hypo	sig	chr2_68653113
chr3	1.58E+08	158095820	+	4.291E-17	6.989E-16	0.262688	hyper	sig	chr3_158095820
chr12	65278371	65278371	+	4.293E-17	6.9912E-16	0.310424	hyper	sig	chr12_65278371
chr19	4540321	4540321	+	4.298E-17	7.0003E-16	-0.2579	hypo	sig	chr19_4540321
chr3	1.5E+08	149657271	+	4.301E-17	7.0044E-16	0.283492	hyper	sig	chr3_149657271
chr8	1.44E+08	143961067	+	4.301E-17	7.0044E-16	0.223027	hyper	sig	chr8_143961067
chr11	1.06E+08	105610556	+	4.302E-17	7.0046E-16	0.244557	hyper	sig	chr11_105610556
chr6	72620270	72620270	+	4.301E-17	7.0046E-16	0.205897	hyper	sig	chr6_72620270

chr6	84769108	84769108	+	4.302E-17	7.0046E-16	0.246119	hyper	sig	chr6_84769108
chr8	1.4E+08	139703366	+	4.308E-17	7.0142E-16	0.415	hyper	sig	chr8_139703366
chr16	85614735	85614735	+	4.308E-17	7.0156E-16	-0.22744	hypo	sig	chr16_85614735
chr7	1.58E+08	157675829	+	4.309E-17	7.016E-16	-0.37066	hypo	sig	chr7_157675829
chr7	97951475	97951475	+	4.312E-17	7.0215E-16	-0.24466	hypo	sig	chr7_97951475
chr16	73063067	73063067	+	4.312E-17	7.0215E-16	-0.26395	hypo	sig	chr16_73063067
chr10	75408437	75408437	+	4.314E-17	7.0247E-16	0.260935	hyper	sig	chr10_75408437
chr17	18377543	18377543	+	4.319E-17	7.0311E-16	-0.24614	hypo	sig	chr17_18377543
chr10	93065720	93065720	+	4.334E-17	7.056E-16	0.347221	hyper	sig	chr10_93065720
chr11	66421211	66421211	+	4.339E-17	7.0645E-16	0.379918	hyper	sig	chr11_66421211
chr16	30115347	30115347	+	4.345E-17	7.0732E-16	-0.28907	hypo	sig	chr16_30115347
chr20	664503	664503	+	4.345E-17	7.0734E-16	0.353633	hyper	sig	chr20_664503
chr17	5097642	5097642	+	4.346E-17	7.0747E-16	0.297231	hyper	sig	chr17_5097642
chr11	1.3E+08	130425192	+	4.346E-17	7.0755E-16	-0.30286	hypo	sig	chr11_130425192
chr20	21521072	21521072	+	4.348E-17	7.0776E-16	0.298508	hyper	sig	chr20_21521072
chr1	44638335	44638335	+	4.357E-17	7.0928E-16	0.266172	hyper	sig	chr1_44638335
chr17	82050992	82050992	+	4.357E-17	7.0928E-16	0.249229	hyper	sig	chr17_82050992
chr10	42242815	42242815	+	4.359E-17	7.0958E-16	0.308511	hyper	sig	chr10_42242815
chr10	42755386	42755386	+	4.363E-17	7.1011E-16	0.240423	hyper	sig	chr10_42755386
chr11	69012089	69012089	+	4.363E-17	7.1017E-16	0.290302	hyper	sig	chr11_69012089
chr16	4376462	4376462	+	4.365E-17	7.104E-16	0.306505	hyper	sig	chr16_4376462
chr7	1.58E+08	157683879	+	4.367E-17	7.1076E-16	0.303937	hyper	sig	chr7_157683879
chr5	1.46E+08	146334336	+	4.368E-17	7.109E-16	0.262071	hyper	sig	chr5_146334336
chr14	52069405	52069405	+	4.371E-17	7.1145E-16	0.219485	hyper	sig	chr14_52069405
chr11	62792329	62792329	+	4.373E-17	7.1163E-16	0.273315	hyper	sig	chr11_62792329
chr10	1737823	1737823	+	4.374E-17	7.1181E-16	0.207888	hyper	sig	chr10_1737823
chr19	4552525	4552525	+	4.385E-17	7.1369E-16	-0.25871	hypo	sig	chr19_4552525
chr14	1.04E+08	104181984	+	4.388E-17	7.1403E-16	-0.32036	hypo	sig	chr14_104181984
chr16	1288386	1288386	+	4.388E-17	7.1405E-16	-0.24402	hypo	sig	chr16_1288386
chr1	2.43E+08	242523448	+	4.388E-17	7.141E-16	0.345184	hyper	sig	chr1_242523448
chr5	1.41E+08	141398889	+	4.388E-17	7.141E-16	0.253442	hyper	sig	chr5_141398889
chr1	50416274	50416274	+	4.398E-17	7.1565E-16	0.272352	hyper	sig	chr1_50416274
chr5	1.41E+08	141399762	+	4.398E-17	7.1565E-16	0.28521	hyper	sig	chr5_141399762
chr3	1.23E+08	123447877	+	4.4E-17	7.1599E-16	0.291016	hyper	sig	chr3_123447877
chr6	2637362	2637362	+	4.4E-17	7.1599E-16	-0.24168	hypo	sig	chr6_2637362
chr9	1.37E+08	136696120	+	4.4E-17	7.1599E-16	-0.26733	hypo	sig	chr9_136696120
chr2	5696026	5696026	+	4.401E-17	7.1609E-16	0.298581	hyper	sig	chr2_5696026
chr5	85647631	85647631	+	4.405E-17	7.1665E-16	-0.30755	hypo	sig	chr5_85647631
chr21	42955554	42955554	+	4.405E-17	7.1675E-16	-0.29502	hypo	sig	chr21_42955554
chr5	5495259	5495259	+	4.406E-17	7.169E-16	0.229115	hyper	sig	chr5_5495259
chr10	1.33E+08	132785031	+	4.406E-17	7.1693E-16	0.344955	hyper	sig	chr10_132785031
chr7	1.58E+08	157663256	+	4.409E-17	7.1739E-16	0.205616	hyper	sig	chr7_157663256
chr10	1.17E+08	117132981	+	4.416E-17	7.1839E-16	0.22561	hyper	sig	chr10_117132981
chr7	1263851	1263851	+	4.416E-17	7.1841E-16	-0.3565	hypo	sig	chr7_1263851
chr1	44261212	44261212	+	4.417E-17	7.1857E-16	-0.3356	hypo	sig	chr1_44261212
chr10	75094332	75094332	+	4.419E-17	7.1889E-16	-0.28747	hypo	sig	chr10_75094332
chr11	1.34E+08	134471525	+	4.423E-17	7.1946E-16	0.28564	hyper	sig	chr11_134471525
chr2	1.09E+08	109172322	+	4.424E-17	7.1967E-16	0.29907	hyper	sig	chr2_109172322
chr19	1465596	1465596	+	4.426E-17	7.2003E-16	0.298045	hyper	sig	chr19_1465596
chr4	1.86E+08	186283656	+	4.427E-17	7.2005E-16	-0.26352	hypo	sig	chr4_186283656
chr4	1.07E+08	107367625	+	4.427E-17	7.2009E-16	-0.21505	hypo	sig	chr4_107367625
chr5	2749676	2749676	+	4.436E-17	7.2152E-16	0.328841	hyper	sig	chr5_2749676
chr6	16345756	16345756	+	4.437E-17	7.2162E-16	-0.35608	hypo	sig	chr6_16345756
chr19	36331518	36331518	+	4.439E-17	7.2193E-16	0.25723	hyper	sig	chr19_36331518
chr10	55631273	55631273	+	4.442E-17	7.2246E-16	0.331317	hyper	sig	chr10_55631273
chr17	44761207	44761207	+	4.443E-17	7.2262E-16	-0.29221	hypo	sig	chr17_44761207

chr7	5491340	5491340	+	4.443E-17	7.2263E-16	0.219583	hyper	sig	chr7_5491340
chr12	53975595	53975595	+	4.443E-17	7.2265E-16	0.258059	hyper	sig	chr12_53975595
chr18	77979435	77979435	+	4.443E-17	7.2265E-16	-0.27275	hypo	sig	chr18_77979435
chr2	1.19E+08	118858389	+	4.444E-17	7.2274E-16	0.289407	hyper	sig	chr2_118858389
chr1	2.47E+08	247332827	+	4.445E-17	7.2285E-16	0.247023	hyper	sig	chr1_247332827
chr11	94545402	94545402	+	4.445E-17	7.2293E-16	-0.24089	hypo	sig	chr11_94545402
chr18	9535838	9535838	+	4.451E-17	7.2385E-16	0.292925	hyper	sig	chr18_9535838
chr2	6918301	6918301	+	4.456E-17	7.2458E-16	0.25869	hyper	sig	chr2_6918301
chr4	48484134	48484134	+	4.463E-17	7.2571E-16	0.249116	hyper	sig	chr4_48484134
chr11	31825254	31825254	+	4.465E-17	7.2599E-16	0.282157	hyper	sig	chr11_31825254
chr16	15148973	15148973	+	4.469E-17	7.2665E-16	0.289815	hyper	sig	chr16_15148973
chr16	760917	760917	+	4.475E-17	7.2766E-16	-0.29233	hypo	sig	chr16_760917
chr7	1.58E+08	157775540	+	4.476E-17	7.2772E-16	-0.28166	hypo	sig	chr7_157775540
chr16	22813585	22813585	+	4.476E-17	7.2776E-16	0.290423	hyper	sig	chr16_22813585
chr2	1.82E+08	181678459	+	4.477E-17	7.2786E-16	0.261466	hyper	sig	chr2_181678459
chr1	1.22E+08	121519708	+	4.478E-17	7.2815E-16	0.237566	hyper	sig	chr1_121519708
chr1	2.22E+08	222043709	+	4.481E-17	7.2855E-16	0.284518	hyper	sig	chr1_222043709
chr2	95025353	95025353	+	4.484E-17	7.2899E-16	0.281263	hyper	sig	chr2_95025353
chr2	27079075	27079075	+	4.492E-17	7.302E-16	0.335646	hyper	sig	chr2_27079075
chr8	96161409	96161409	+	4.494E-17	7.3051E-16	0.274301	hyper	sig	chr8_96161409
chr6	30102626	30102626	+	4.502E-17	7.3188E-16	-0.24739	hypo	sig	chr6_30102626
chr8	23705621	23705621	+	4.504E-17	7.3223E-16	0.308732	hyper	sig	chr8_23705621
chr10	1.32E+08	131980961	+	4.505E-17	7.3225E-16	0.232214	hyper	sig	chr10_131980961
chr16	11977957	11977957	+	4.505E-17	7.3229E-16	0.321785	hyper	sig	chr16_11977957
chr20	60085926	60085926	+	4.508E-17	7.3282E-16	-0.26553	hypo	sig	chr20_60085926
chr16	88685485	88685485	+	4.51E-17	7.3304E-16	0.23866	hyper	sig	chr16_88685485
chr7	3974438	3974438	+	4.512E-17	7.3341E-16	-0.23635	hypo	sig	chr7_3974438
chr3	1.39E+08	139044919	+	4.513E-17	7.3353E-16	0.250617	hyper	sig	chr3_139044919
chr1	1.71E+08	170661203	+	4.514E-17	7.3375E-16	0.325243	hyper	sig	chr1_170661203
chr7	1.59E+08	159167280	+	4.517E-17	7.3418E-16	-0.27978	hypo	sig	chr7_159167280
chr1	44261356	44261356	+	4.52E-17	7.3464E-16	-0.25749	hypo	sig	chr1_44261356
chr5	1.79E+08	179164478	+	4.52E-17	7.3466E-16	-0.30373	hypo	sig	chr5_179164478
chr16	30776972	30776972	+	4.521E-17	7.3474E-16	0.261467	hyper	sig	chr16_30776972
chr5	14440445	14440445	+	4.523E-17	7.3508E-16	0.274657	hyper	sig	chr5_14440445
chr14	41606656	41606656	+	4.523E-17	7.3511E-16	0.370142	hyper	sig	chr14_41606656
chr10	1.23E+08	123142870	+	4.524E-17	7.3517E-16	0.278476	hyper	sig	chr10_123142870
chr17	81727601	81727601	+	4.53E-17	7.3621E-16	-0.28662	hypo	sig	chr17_81727601
chr19	35994405	35994405	+	4.534E-17	7.3678E-16	0.253166	hyper	sig	chr19_35994405
chr19	53158157	53158157	+	4.535E-17	7.3692E-16	0.291417	hyper	sig	chr19_53158157
chr7	25857881	25857881	+	4.535E-17	7.3695E-16	-0.24085	hypo	sig	chr7_25857881
chr1	1274720	1274720	+	4.54E-17	7.3766E-16	0.22557	hyper	sig	chr1_1274720
chr9	1.35E+08	134801495	+	4.543E-17	7.3809E-16	-0.30017	hypo	sig	chr9_134801495
chr9	33524449	33524449	+	4.543E-17	7.3816E-16	0.247555	hyper	sig	chr9_33524449
chr5	77851250	77851250	+	4.546E-17	7.3855E-16	0.318625	hyper	sig	chr5_77851250
chr1	2.05E+08	205448308	+	4.547E-17	7.3878E-16	-0.26075	hypo	sig	chr1_205448308
chr22	39405471	39405471	+	4.55E-17	7.3917E-16	0.283453	hyper	sig	chr22_39405471
chr7	4210511	4210511	+	4.552E-17	7.3952E-16	-0.26319	hypo	sig	chr7_4210511
chr15	69468660	69468660	+	4.554E-17	7.399E-16	-0.2843	hypo	sig	chr15_69468660
chr21	33023882	33023882	+	4.558E-17	7.4054E-16	0.292984	hyper	sig	chr21_33023882
chr16	87127200	87127200	+	4.558E-17	7.4054E-16	0.378155	hyper	sig	chr16_87127200
chr7	1.22E+08	122315687	+	4.559E-17	7.4055E-16	0.254988	hyper	sig	chr7_122315687
chr1	2.01E+08	201469818	+	4.559E-17	7.4062E-16	0.391409	hyper	sig	chr1_201469818
chr19	4455319	4455319	+	4.56E-17	7.4075E-16	0.278188	hyper	sig	chr19_4455319
chr15	82648647	82648647	+	4.564E-17	7.4146E-16	0.319055	hyper	sig	chr15_82648647
chr5	1.41E+08	141421019	+	4.567E-17	7.4191E-16	0.266191	hyper	sig	chr5_141421019
chr7	36208170	36208170	+	4.568E-17	7.42E-16	0.321622	hyper	sig	chr7_36208170

chr6	30954712	30954712	+	4.57E-17	7.4235E-16	-0.26243	hypo	sig	chr6_30954712
chr7	1.55E+08	155373847	+	4.57E-17	7.4235E-16	0.232401	hyper	sig	chr7_155373847
chr4	5708125	5708125	+	4.572E-17	7.426E-16	0.233636	hyper	sig	chr4_5708125
chr21	37567094	37567094	+	4.572E-17	7.4261E-16	-0.24221	hypo	sig	chr21_37567094
chr14	28765973	28765973	+	4.573E-17	7.4268E-16	0.249597	hyper	sig	chr14_28765973
chr7	1.57E+08	157347335	+	4.577E-17	7.433E-16	0.222078	hyper	sig	chr7_157347335
chr6	1.16E+08	116370297	+	4.58E-17	7.4388E-16	0.227396	hyper	sig	chr6_116370297
chr7	1.39E+08	139336509	+	4.581E-17	7.4401E-16	-0.23351	hypo	sig	chr7_139336509
chr19	34482268	34482268	+	4.583E-17	7.4434E-16	0.242979	hyper	sig	chr19_34482268
chr7	1.56E+08	155787100	+	4.584E-17	7.4445E-16	0.219482	hyper	sig	chr7_155787100
chr3	28575343	28575343	+	4.584E-17	7.4448E-16	0.282927	hyper	sig	chr3_28575343
chr7	2729376	2729376	+	4.585E-17	7.4452E-16	0.207121	hyper	sig	chr7_2729376
chr19	41904272	41904272	+	4.592E-17	7.4569E-16	-0.27837	hypo	sig	chr19_41904272
chr15	83283208	83283208	+	4.595E-17	7.461E-16	0.267573	hyper	sig	chr15_83283208
chr6	28816971	28816971	+	4.604E-17	7.4766E-16	0.32633	hyper	sig	chr6_28816971
chr17	81135911	81135911	+	4.609E-17	7.4844E-16	-0.27282	hypo	sig	chr17_81135911
chr8	1.2E+08	119673145	+	4.611E-17	7.4865E-16	0.266422	hyper	sig	chr8_119673145
chr11	6319322	6319322	+	4.617E-17	7.4967E-16	0.281674	hyper	sig	chr11_6319322
chr3	1.87E+08	187197514	+	4.619E-17	7.4991E-16	0.275831	hyper	sig	chr3_187197514
chr8	1.41E+08	141141042	+	4.622E-17	7.5046E-16	0.265259	hyper	sig	chr8_141141042
chr19	57709035	57709035	+	4.622E-17	7.5047E-16	0.261077	hyper	sig	chr19_57709035
chr15	37097384	37097384	+	4.624E-17	7.5071E-16	0.323033	hyper	sig	chr15_37097384
chr1	2.47E+08	247332751	+	4.628E-17	7.5135E-16	0.2226	hyper	sig	chr1_247332751
chr11	31803453	31803453	+	4.629E-17	7.5149E-16	0.255127	hyper	sig	chr11_31803453
chr1	2.06E+08	205679208	+	4.632E-17	7.5203E-16	-0.24433	hypo	sig	chr1_205679208
chr1	46544459	46544459	+	4.633E-17	7.5214E-16	0.290595	hyper	sig	chr1_46544459
chr1	1.65E+08	165355753	+	4.636E-17	7.5264E-16	0.235444	hyper	sig	chr1_165355753
chr2	1.09E+08	109172248	+	4.642E-17	7.5346E-16	0.344929	hyper	sig	chr2_109172248
chr5	1.46E+08	146339364	+	4.642E-17	7.5346E-16	0.314631	hyper	sig	chr5_146339364
chr4	1.47E+08	146637361	+	4.642E-17	7.5348E-16	0.285335	hyper	sig	chr4_146637361
chr5	31193825	31193825	+	4.643E-17	7.537E-16	0.339711	hyper	sig	chr5_31193825
chr17	83075706	83075706	+	4.644E-17	7.5372E-16	-0.33995	hypo	sig	chr17_83075706
chr19	53058310	53058310	+	4.647E-17	7.543E-16	0.330025	hyper	sig	chr19_53058310
chr13	24328412	24328412	+	4.651E-17	7.5494E-16	0.222624	hyper	sig	chr13_24328412
chr1	1.19E+08	118985518	+	4.652E-17	7.5507E-16	0.28143	hyper	sig	chr1_118985518
chr5	77632596	77632596	+	4.656E-17	7.5569E-16	0.314376	hyper	sig	chr5_77632596
chr3	62319538	62319538	+	4.665E-17	7.5701E-16	0.20138	hyper	sig	chr3_62319538
chr7	4882203	4882203	+	4.669E-17	7.5769E-16	0.208622	hyper	sig	chr7_4882203
chr14	1.04E+08	103889790	+	4.67E-17	7.5783E-16	-0.2616	hypo	sig	chr14_103889790
chr2	27078189	27078189	+	4.671E-17	7.5793E-16	0.317108	hyper	sig	chr2_27078189
chr20	21520703	21520703	+	4.672E-17	7.5812E-16	0.357361	hyper	sig	chr20_21520703
chr11	1.34E+08	134471462	+	4.675E-17	7.5867E-16	0.270372	hyper	sig	chr11_134471462
chr3	1.56E+08	155745902	+	4.677E-17	7.5901E-16	-0.20195	hypo	sig	chr3_155745902
chr15	34490066	34490066	+	4.678E-17	7.591E-16	-0.23469	hypo	sig	chr15_34490066
chr11	1.34E+08	133865087	+	4.68E-17	7.5941E-16	-0.21592	hypo	sig	chr11_133865087
chr7	6846287	6846287	+	4.684E-17	7.6007E-16	-0.21528	hypo	sig	chr7_6846287
chr5	7849806	7849806	+	4.685E-17	7.6022E-16	0.270901	hyper	sig	chr5_7849806
chr18	11752517	11752517	+	4.692E-17	7.6123E-16	0.215111	hyper	sig	chr18_11752517
chr13	25301290	25301290	+	4.693E-17	7.6137E-16	0.230134	hyper	sig	chr13_25301290
chr8	1.4E+08	140100152	+	4.693E-17	7.6137E-16	0.236324	hyper	sig	chr8_140100152
chr12	53960752	53960752	+	4.694E-17	7.6158E-16	0.303314	hyper	sig	chr12_53960752
chr3	1.92E+08	192408899	+	4.694E-17	7.6158E-16	0.260265	hyper	sig	chr3_192408899
chr19	21852187	21852187	+	4.696E-17	7.6187E-16	0.208248	hyper	sig	chr19_21852187
chr9	34371380	34371380	+	4.702E-17	7.6278E-16	0.292475	hyper	sig	chr9_34371380
chr9	5186094	5186094	+	4.712E-17	7.644E-16	-0.32257	hypo	sig	chr9_5186094
chr8	1.43E+08	142668833	+	4.716E-17	7.65E-16	0.211688	hyper	sig	chr8_142668833

chr14	21087389	21087389	+	4.719E-17	7.6547E-16	0.350824	hyper	sig	chr14_21087389
chr11	1.25E+08	124865214	+	4.726E-17	7.6657E-16	0.295938	hyper	sig	chr11_124865214
chr19	1908179	1908179	+	4.728E-17	7.6687E-16	-0.27804	hypo	sig	chr19_1908179
chr3	11568793	11568793	+	4.728E-17	7.6693E-16	0.279631	hyper	sig	chr3_11568793
chr11	1.11E+08	111284079	+	4.729E-17	7.6704E-16	-0.2394	hypo	sig	chr11_111284079
chr4	6753345	6753345	+	4.736E-17	7.6811E-16	-0.22448	hypo	sig	chr4_6753345
chr5	958679	958679	+	4.736E-17	7.6815E-16	-0.27729	hypo	sig	chr5_958679
chr8	64798681	64798681	+	4.74E-17	7.6871E-16	0.2512	hyper	sig	chr8_64798681
chr8	2102106	2102106	+	4.74E-17	7.6871E-16	-0.20397	hypo	sig	chr8_2102106
chr4	1.11E+08	110618313	+	4.741E-17	7.6882E-16	0.203141	hyper	sig	chr4_110618313
chr1	981841	981841	+	4.743E-17	7.6922E-16	-0.301	hypo	sig	chr1_981841
chr7	86643934	86643934	+	4.748E-17	7.6989E-16	0.285308	hyper	sig	chr7_86643934
chr4	1.12E+08	112379566	+	4.751E-17	7.7042E-16	0.24183	hyper	sig	chr4_112379566
chr6	1.59E+08	159218261	+	4.755E-17	7.7108E-16	-0.2301	hypo	sig	chr6_159218261
chr21	37006163	37006163	+	4.759E-17	7.7168E-16	0.295662	hyper	sig	chr21_37006163
chr1	1.48E+08	148329659	+	4.761E-17	7.7202E-16	0.267975	hyper	sig	chr1_148329659
chr6	37705572	37705572	+	4.767E-17	7.7288E-16	0.235852	hyper	sig	chr6_37705572
chr11	1.29E+08	128695229	+	4.767E-17	7.7288E-16	0.267407	hyper	sig	chr11_128695229
chr14	91243659	91243659	+	4.772E-17	7.738E-16	-0.33641	hypo	sig	chr14_91243659
chr16	12903825	12903825	+	4.773E-17	7.7381E-16	0.243039	hyper	sig	chr16_12903825
chr19	5217329	5217329	+	4.773E-17	7.7383E-16	-0.22437	hypo	sig	chr19_5217329
chr19	5915051	5915051	+	4.774E-17	7.7397E-16	0.285528	hyper	sig	chr19_5915051
chr3	96775881	96775881	+	4.779E-17	7.7472E-16	-0.30046	hypo	sig	chr3_96775881
chr17	10026877	10026877	+	4.779E-17	7.748E-16	-0.20254	hypo	sig	chr17_10026877
chr20	57329730	57329730	+	4.78E-17	7.7493E-16	-0.27111	hypo	sig	chr20_57329730
chr17	50589498	50589498	+	4.781E-17	7.7513E-16	0.280561	hyper	sig	chr17_50589498
chr20	63126481	63126481	+	4.786E-17	7.7581E-16	-0.34466	hypo	sig	chr20_63126481
chr15	74134584	74134584	+	4.786E-17	7.7583E-16	0.222382	hyper	sig	chr15_74134584
chr10	1.33E+08	133024474	+	4.789E-17	7.7639E-16	-0.29617	hypo	sig	chr10_133024474
chr2	2.13E+08	212537011	+	4.793E-17	7.7695E-16	0.318883	hyper	sig	chr2_212537011
chr17	74360087	74360087	+	4.794E-17	7.7702E-16	-0.25074	hypo	sig	chr17_74360087
chr13	1.12E+08	112441555	+	4.794E-17	7.7702E-16	-0.29475	hypo	sig	chr13_112441555
chr12	1.25E+08	124655703	+	4.796E-17	7.7735E-16	0.287759	hyper	sig	chr12_124655703
chr12	1.11E+08	111367345	+	4.796E-17	7.7743E-16	-0.23282	hypo	sig	chr12_111367345
chr10	93063003	93063003	+	4.797E-17	7.7749E-16	0.283377	hyper	sig	chr10_93063003
chr14	1.01E+08	101456930	+	4.801E-17	7.7807E-16	0.280669	hyper	sig	chr14_101456930
chr11	2213721	2213721	+	4.81E-17	7.7955E-16	-0.38296	hypo	sig	chr11_2213721
chr10	587282	587282	+	4.812E-17	7.799E-16	-0.21717	hypo	sig	chr10_587282
chr8	71558834	71558834	+	4.816E-17	7.8044E-16	0.288162	hyper	sig	chr8_71558834
chr17	81199828	81199828	+	4.821E-17	7.8123E-16	0.205506	hyper	sig	chr17_81199828
chr14	93720212	93720212	+	4.821E-17	7.8131E-16	-0.25848	hypo	sig	chr14_93720212
chr7	44278928	44278928	+	4.822E-17	7.814E-16	-0.30759	hypo	sig	chr7_44278928
chr8	1.4E+08	139702770	+	4.824E-17	7.8176E-16	0.210073	hyper	sig	chr8_139702770
chr15	99019750	99019750	+	4.828E-17	7.8234E-16	-0.32704	hypo	sig	chr15_99019750
chr17	50606460	50606460	+	4.829E-17	7.8253E-16	-0.26182	hypo	sig	chr17_50606460
chr1	2.06E+08	205774345	+	4.831E-17	7.8278E-16	-0.25709	hypo	sig	chr1_205774345
chr2	73072201	73072201	+	4.834E-17	7.8327E-16	0.257183	hyper	sig	chr2_73072201
chr2	74514726	74514726	+	4.836E-17	7.8359E-16	0.242955	hyper	sig	chr2_74514726
chr14	1.06E+08	105537007	+	4.837E-17	7.8369E-16	-0.29686	hypo	sig	chr14_105537007
chr17	81978584	81978584	+	4.84E-17	7.8422E-16	-0.37571	hypo	sig	chr17_81978584
chr19	39515552	39515552	+	4.84E-17	7.8426E-16	0.337698	hyper	sig	chr19_39515552
chr1	1.19E+08	119008696	+	4.844E-17	7.8483E-16	0.224224	hyper	sig	chr1_119008696
chr7	1.58E+08	158408721	+	4.845E-17	7.8497E-16	-0.25352	hypo	sig	chr7_158408721
chr2	1800853	1800853	+	4.845E-17	7.8503E-16	-0.3363	hypo	sig	chr2_1800853
chr2	1.42E+08	142130156	+	4.846E-17	7.8514E-16	0.233522	hyper	sig	chr2_142130156
chr19	52397803	52397803	+	4.849E-17	7.8562E-16	0.22178	hyper	sig	chr19_52397803

chr2	96342352	96342352	+	4.85E-17	7.8567E-16	-0.26749	hypo	sig	chr2_96342352
chr7	1.28E+08	128476320	+	4.851E-17	7.8585E-16	-0.25156	hypo	sig	chr7_128476320
chr1	1.81E+08	181483607	+	4.854E-17	7.8634E-16	0.217634	hyper	sig	chr1_181483607
chr9	970549	970549	+	4.862E-17	7.8758E-16	0.259174	hyper	sig	chr9_970549
chr7	4127909	4127909	+	4.863E-17	7.8783E-16	-0.29929	hypo	sig	chr7_4127909
chr12	49544244	49544244	+	4.864E-17	7.8791E-16	0.328866	hyper	sig	chr12_49544244
chr5	1407000	1407000	+	4.864E-17	7.8792E-16	0.32788	hyper	sig	chr5_1407000
chr8	1.43E+08	143494448	+	4.871E-17	7.8905E-16	0.326138	hyper	sig	chr8_143494448
chr22	36322419	36322419	+	4.873E-17	7.8926E-16	0.207054	hyper	sig	chr22_36322419
chr17	81400715	81400715	+	4.875E-17	7.8967E-16	0.259058	hyper	sig	chr17_81400715
chr4	1.47E+08	146640658	+	4.88E-17	7.9034E-16	0.25948	hyper	sig	chr4_146640658
chr4	57166610	57166610	+	4.884E-17	7.9097E-16	-0.25537	hypo	sig	chr4_57166610
chr16	67432369	67432369	+	4.885E-17	7.9109E-16	-0.25158	hypo	sig	chr16_67432369
chr15	84080034	84080034	+	4.885E-17	7.9109E-16	0.234063	hyper	sig	chr15_84080034
chr5	1.11E+08	111070841	+	4.888E-17	7.9166E-16	0.273176	hyper	sig	chr5_111070841
chr10	49322715	49322715	+	4.891E-17	7.9211E-16	-0.20856	hypo	sig	chr10_49322715
chr6	79947059	79947059	+	4.893E-17	7.9229E-16	0.230165	hyper	sig	chr6_79947059
chr10	7412024	7412024	+	4.894E-17	7.9256E-16	0.360879	hyper	sig	chr10_7412024
chr2	660859	660859	+	4.894E-17	7.9256E-16	0.305755	hyper	sig	chr2_660859
chr9	1.37E+08	136964997	+	4.895E-17	7.9265E-16	-0.25699	hypo	sig	chr9_136964997
chr3	27731329	27731329	+	4.899E-17	7.9318E-16	0.284767	hyper	sig	chr3_27731329
chr2	2.28E+08	228181992	+	4.899E-17	7.9331E-16	0.348672	hyper	sig	chr2_228181992
chr2	45010604	45010604	+	4.901E-17	7.9362E-16	0.210622	hyper	sig	chr2_45010604
chr11	46247764	46247764	+	4.903E-17	7.938E-16	-0.27226	hypo	sig	chr11_46247764
chr20	24949410	24949410	+	4.903E-17	7.938E-16	-0.2601	hypo	sig	chr20_24949410
chr8	1.41E+08	140549689	+	4.903E-17	7.9385E-16	0.2993	hyper	sig	chr8_140549689
chr12	85273670	85273670	+	4.906E-17	7.9433E-16	0.262306	hyper	sig	chr12_85273670
chr18	26133767	26133767	+	4.907E-17	7.9445E-16	0.249956	hyper	sig	chr18_26133767
chr9	95086454	95086454	+	4.908E-17	7.9462E-16	0.203571	hyper	sig	chr9_95086454
chr16	565917	565917	+	4.91E-17	7.9492E-16	0.30675	hyper	sig	chr16_565917
chr12	53960868	53960868	+	4.914E-17	7.9553E-16	0.260085	hyper	sig	chr12_53960868
chr12	1.1E+08	109833694	+	4.916E-17	7.9584E-16	0.304708	hyper	sig	chr12_109833694
chr17	78324845	78324845	+	4.918E-17	7.9611E-16	0.258927	hyper	sig	chr17_78324845
chr5	1.71E+08	171308979	+	4.921E-17	7.9663E-16	0.321235	hyper	sig	chr5_171308979
chr6	32845800	32845800	+	4.923E-17	7.9694E-16	-0.22298	hypo	sig	chr6_32845800
chr19	13286936	13286936	+	4.926E-17	7.9734E-16	-0.28627	hypo	sig	chr19_13286936
chr13	22898242	22898242	+	4.927E-17	7.9748E-16	-0.35656	hypo	sig	chr13_22898242
chr7	43112682	43112682	+	4.93E-17	7.9797E-16	0.251698	hyper	sig	chr7_43112682
chr20	63178059	63178059	+	4.933E-17	7.9849E-16	0.240762	hyper	sig	chr20_63178059
chr16	69917825	69917825	+	4.937E-17	7.9903E-16	0.233936	hyper	sig	chr16_69917825
chr12	8034648	8034648	+	4.94E-17	7.9958E-16	0.221645	hyper	sig	chr12_8034648
chr17	79747802	79747802	+	4.94E-17	7.9962E-16	0.307671	hyper	sig	chr17_79747802
chr2	2.19E+08	219250581	+	4.948E-17	8.0079E-16	-0.27489	hypo	sig	chr2_219250581
chr6	1.59E+08	159168835	+	4.954E-17	8.0179E-16	0.261982	hyper	sig	chr6_159168835
chr1	1.51E+08	150981467	+	4.959E-17	8.0245E-16	-0.29159	hypo	sig	chr1_150981467
chr15	70448112	70448112	+	4.978E-17	8.0555E-16	-0.24182	hypo	sig	chr15_70448112
chr4	1.13E+08	112511553	+	4.985E-17	8.0665E-16	0.220601	hyper	sig	chr4_112511553
chr3	1.92E+08	192408471	+	4.988E-17	8.0704E-16	0.234864	hyper	sig	chr3_192408471
chr11	73272052	73272052	+	4.99E-17	8.0737E-16	-0.24339	hypo	sig	chr11_73272052
chr5	1.46E+08	146337686	+	4.995E-17	8.0814E-16	0.362179	hyper	sig	chr5_146337686
chr8	1971070	1971070	+	4.995E-17	8.0815E-16	-0.22542	hypo	sig	chr8_1971070
chr19	41090191	41090191	+	4.996E-17	8.0836E-16	0.278369	hyper	sig	chr19_41090191
chr1	1.57E+08	156642615	+	4.997E-17	8.0854E-16	0.307728	hyper	sig	chr1_156642615
chr14	85530578	85530578	+	5.005E-17	8.0978E-16	0.275181	hyper	sig	chr14_85530578
chr5	1.46E+08	146343349	+	5.008E-17	8.102E-16	0.262463	hyper	sig	chr5_146343349
chr15	99106613	99106613	+	5.013E-17	8.1092E-16	0.299954	hyper	sig	chr15_99106613

chr11	64612114	64612114	+	5.014E-17	8.1113E-16	-0.27099	hypo	sig	chr11_64612114
chr4	1.09E+08	109302696	+	5.014E-17	8.1113E-16	0.296083	hyper	sig	chr4_109302696
chr1	2.21E+08	220887441	+	5.015E-17	8.1124E-16	0.247182	hyper	sig	chr1_220887441
chr1	1.44E+08	143651561	+	5.017E-17	8.1158E-16	0.311658	hyper	sig	chr1_143651561
chr16	89834157	89834157	+	5.021E-17	8.1214E-16	-0.2366	hypo	sig	chr16_89834157
chr7	1.32E+08	131538631	+	5.025E-17	8.1287E-16	-0.34882	hypo	sig	chr7_131538631
chr1	47444390	47444390	+	5.026E-17	8.1288E-16	0.289979	hyper	sig	chr1_47444390
chr1	6282375	6282375	+	5.029E-17	8.1335E-16	-0.22179	hypo	sig	chr1_6282375
chr14	90455155	90455155	+	5.029E-17	8.1345E-16	0.228688	hyper	sig	chr14_90455155
chr1	24931575	24931575	+	5.03E-17	8.1353E-16	0.260801	hyper	sig	chr1_24931575
chr11	8269215	8269215	+	5.04E-17	8.1505E-16	0.276902	hyper	sig	chr11_8269215
chr6	1.5E+08	150141161	+	5.044E-17	8.1572E-16	-0.26071	hypo	sig	chr6_150141161
chr10	1.33E+08	132545115	+	5.044E-17	8.1574E-16	0.292765	hyper	sig	chr10_132545115
chr11	78962143	78962143	+	5.047E-17	8.162E-16	0.315604	hyper	sig	chr11_78962143
chr5	1.73E+08	173245681	+	5.051E-17	8.1688E-16	0.266738	hyper	sig	chr5_173245681
chr11	89491546	89491546	+	5.058E-17	8.1792E-16	0.242964	hyper	sig	chr11_89491546
chr15	52788277	52788277	+	5.058E-17	8.1798E-16	0.245272	hyper	sig	chr15_52788277
chr17	83012932	83012932	+	5.059E-17	8.1812E-16	0.232323	hyper	sig	chr17_83012932
chr5	1.41E+08	141392929	+	5.061E-17	8.1842E-16	0.247515	hyper	sig	chr5_141392929
chr16	89383640	89383640	+	5.067E-17	8.1923E-16	-0.26112	hypo	sig	chr16_89383640
chr19	2424814	2424814	+	5.067E-17	8.1923E-16	0.27932	hyper	sig	chr19_2424814
chr11	1748292	1748292	+	5.069E-17	8.1958E-16	0.302049	hyper	sig	chr11_1748292
chr16	86566660	86566660	+	5.079E-17	8.2105E-16	0.286862	hyper	sig	chr16_86566660
chr19	7931860	7931860	+	5.086E-17	8.2227E-16	0.239171	hyper	sig	chr19_7931860
chr22	39570916	39570916	+	5.087E-17	8.2243E-16	-0.24449	hypo	sig	chr22_39570916
chr2	1284015	1284015	+	5.09E-17	8.2279E-16	0.216493	hyper	sig	chr2_1284015
chr5	3606422	3606422	+	5.092E-17	8.2314E-16	0.291847	hyper	sig	chr5_3606422
chr6	1.69E+08	169317679	+	5.093E-17	8.2334E-16	-0.21625	hypo	sig	chr6_169317679
chr2	1.28E+08	128474007	+	5.094E-17	8.2349E-16	-0.41747	hypo	sig	chr2_128474007
chr13	20177137	20177137	+	5.099E-17	8.2431E-16	0.225556	hyper	sig	chr13_20177137
chr11	62688310	62688310	+	5.102E-17	8.2476E-16	0.404124	hyper	sig	chr11_62688310
chr1	1.44E+08	143675631	+	5.107E-17	8.2551E-16	0.315015	hyper	sig	chr1_143675631
chr7	5479299	5479299	+	5.107E-17	8.2553E-16	0.298819	hyper	sig	chr7_5479299
chr8	1633481	1633481	+	5.111E-17	8.2614E-16	0.24243	hyper	sig	chr8_1633481
chr19	9362914	9362914	+	5.113E-17	8.2647E-16	0.241244	hyper	sig	chr19_9362914
chr19	58562077	58562077	+	5.115E-17	8.2671E-16	0.246738	hyper	sig	chr19_58562077
chr3	1.28E+08	128481872	+	5.116E-17	8.2678E-16	0.287943	hyper	sig	chr3_128481872
chr1	2.36E+08	235998960	+	5.117E-17	8.27E-16	-0.31241	hypo	sig	chr1_235998960
chr19	33626336	33626336	+	5.119E-17	8.2729E-16	-0.25407	hypo	sig	chr19_33626336
chr5	76953701	76953701	+	5.119E-17	8.2733E-16	0.284244	hyper	sig	chr5_76953701
chr7	1.01E+08	101174657	+	5.121E-17	8.2756E-16	0.228945	hyper	sig	chr7_101174657
chr1	90834731	90834731	+	5.122E-17	8.2771E-16	0.280295	hyper	sig	chr1_90834731
chr3	8442395	8442395	+	5.128E-17	8.2863E-16	0.233737	hyper	sig	chr3_8442395
chr10	51075378	51075378	+	5.132E-17	8.293E-16	0.291828	hyper	sig	chr10_51075378
chr5	2129092	2129092	+	5.132E-17	8.2935E-16	0.279096	hyper	sig	chr5_2129092
chr5	1.36E+08	135930848	+	5.138E-17	8.3023E-16	0.202836	hyper	sig	chr5_135930848
chr10	1.03E+08	103458903	+	5.138E-17	8.3025E-16	-0.25108	hypo	sig	chr10_103458903
chr18	9535927	9535927	+	5.141E-17	8.3068E-16	0.26797	hyper	sig	chr18_9535927
chr6	28635466	28635466	+	5.142E-17	8.3076E-16	0.248814	hyper	sig	chr6_28635466
chr12	1.31E+08	131050993	+	5.142E-17	8.3088E-16	-0.2695	hypo	sig	chr12_131050993
chr19	53521395	53521395	+	5.144E-17	8.3104E-16	0.287915	hyper	sig	chr19_53521395
chr11	1.29E+08	128894960	+	5.146E-17	8.3148E-16	-0.32578	hypo	sig	chr11_128894960
chr11	73218009	73218009	+	5.147E-17	8.3164E-16	-0.21864	hypo	sig	chr11_73218009
chr20	59579432	59579432	+	5.151E-17	8.3216E-16	-0.22435	hypo	sig	chr20_59579432
chr2	1.01E+08	101473929	+	5.151E-17	8.3222E-16	0.215552	hyper	sig	chr2_101473929
chr19	1177606	1177606	+	5.152E-17	8.3233E-16	-0.28594	hypo	sig	chr19_1177606

chr8	1.2E+08	119672962	+	5.157E-17	8.3317E-16	0.243855	hyper	sig	chr8_119672962
chr15	89371995	89371995	+	5.159E-17	8.3343E-16	0.273489	hyper	sig	chr15_89371995
chr13	99958751	99958751	+	5.16E-17	8.3355E-16	0.285638	hyper	sig	chr13_99958751
chr5	2747871	2747871	+	5.16E-17	8.3355E-16	0.250875	hyper	sig	chr5_2747871
chr6	1625300	1625300	+	5.164E-17	8.3418E-16	0.262073	hyper	sig	chr6_1625300
chr17	82003738	82003738	+	5.164E-17	8.3419E-16	0.264506	hyper	sig	chr17_82003738
chr2	1.13E+08	113275994	+	5.165E-17	8.3437E-16	0.268845	hyper	sig	chr2_113275994
chr17	28385432	28385432	+	5.167E-17	8.3457E-16	-0.2875	hypo	sig	chr17_28385432
chr20	41366946	41366946	+	5.175E-17	8.3588E-16	0.202414	hyper	sig	chr20_41366946
chr3	42265022	42265022	+	5.178E-17	8.3626E-16	0.272642	hyper	sig	chr3_42265022
chr6	1.68E+08	168373122	+	5.186E-17	8.3764E-16	-0.31705	hypo	sig	chr6_168373122
chr20	63521767	63521767	+	5.188E-17	8.3791E-16	0.271327	hyper	sig	chr20_63521767
chr17	44558373	44558373	+	5.188E-17	8.3791E-16	0.296396	hyper	sig	chr17_44558373
chr14	1.06E+08	105772949	+	5.189E-17	8.38E-16	-0.26807	hypo	sig	chr14_105772949
chr8	1.42E+08	141622569	+	5.192E-17	8.385E-16	-0.33544	hypo	sig	chr8_141622569
chr15	83284013	83284013	+	5.193E-17	8.3869E-16	0.300427	hyper	sig	chr15_83284013
chr19	12266398	12266398	+	5.195E-17	8.389E-16	0.289935	hyper	sig	chr19_12266398
chr8	1.08E+08	108083044	+	5.199E-17	8.3948E-16	0.292119	hyper	sig	chr8_108083044
chr11	1.12E+08	111513101	+	5.204E-17	8.4029E-16	0.246058	hyper	sig	chr11_111513101
chr13	1.13E+08	113402360	+	5.209E-17	8.4109E-16	-0.35398	hypo	sig	chr13_113402360
chr11	19346093	19346093	+	5.217E-17	8.4239E-16	0.259556	hyper	sig	chr11_19346093
chr19	13025354	13025354	+	5.227E-17	8.4392E-16	-0.27517	hypo	sig	chr19_13025354
chr13	43968921	43968921	+	5.228E-17	8.4413E-16	-0.2189	hypo	sig	chr13_43968921
chr11	1028311	1028311	+	5.229E-17	8.4419E-16	-0.26587	hypo	sig	chr11_1028311
chr6	27495568	27495568	+	5.23E-17	8.4443E-16	0.216916	hyper	sig	chr6_27495568
chr17	69581579	69581579	+	5.233E-17	8.449E-16	-0.25335	hypo	sig	chr17_69581579
chr7	27142069	27142069	+	5.233E-17	8.4494E-16	0.234289	hyper	sig	chr7_27142069
chr16	86931779	86931779	+	5.24E-17	8.4604E-16	0.260044	hyper	sig	chr16_86931779
chr7	1E+08	100099696	+	5.241E-17	8.4615E-16	0.266345	hyper	sig	chr7_100099696
chr13	99989199	99989199	+	5.243E-17	8.4638E-16	0.258627	hyper	sig	chr13_99989199
chr2	2.22E+08	222299105	+	5.246E-17	8.4687E-16	0.203959	hyper	sig	chr2_222299105
chr6	73299168	73299168	+	5.247E-17	8.4701E-16	0.263537	hyper	sig	chr6_73299168
chr16	29248941	29248941	+	5.249E-17	8.4736E-16	0.236939	hyper	sig	chr16_29248941
chr13	1.13E+08	113420587	+	5.252E-17	8.4783E-16	-0.34994	hypo	sig	chr13_113420587
chr9	1.33E+08	133209431	+	5.252E-17	8.4787E-16	-0.31582	hypo	sig	chr9_133209431
chr8	70072186	70072186	+	5.253E-17	8.4791E-16	0.306644	hyper	sig	chr8_70072186
chr2	44932536	44932536	+	5.258E-17	8.4873E-16	0.246167	hyper	sig	chr2_44932536
chr6	1.05E+08	104953007	+	5.26E-17	8.4895E-16	0.285282	hyper	sig	chr6_104953007
chr12	1811949	1811949	+	5.261E-17	8.491E-16	-0.30361	hypo	sig	chr12_1811949
chr1	4069713	4069713	+	5.262E-17	8.4924E-16	-0.28489	hypo	sig	chr1_4069713
chr1	12104428	12104428	+	5.263E-17	8.4943E-16	0.28197	hyper	sig	chr1_12104428
chr2	58428929	58428929	+	5.272E-17	8.5081E-16	0.263139	hyper	sig	chr2_58428929
chr19	10636466	10636466	+	5.274E-17	8.5111E-16	0.242398	hyper	sig	chr19_10636466
chr17	45243945	45243945	+	5.274E-17	8.5114E-16	-0.32001	hypo	sig	chr17_45243945
chr5	88684462	88684462	+	5.275E-17	8.5118E-16	0.216523	hyper	sig	chr5_88684462
chr1	1127403	1127403	+	5.275E-17	8.5122E-16	-0.26873	hypo	sig	chr1_1127403
chr19	11409807	11409807	+	5.278E-17	8.5168E-16	-0.25156	hypo	sig	chr19_11409807
chr17	82389039	82389039	+	5.281E-17	8.5214E-16	-0.20563	hypo	sig	chr17_82389039
chr9	971819	971819	+	5.282E-17	8.523E-16	0.357707	hyper	sig	chr9_971819
chr2	1.06E+08	106342973	+	5.282E-17	8.5232E-16	-0.30661	hypo	sig	chr2_106342973
chr7	1.57E+08	157078428	+	5.285E-17	8.527E-16	0.255412	hyper	sig	chr7_157078428
chr10	1.33E+08	132832707	+	5.285E-17	8.5277E-16	0.259831	hyper	sig	chr10_132832707
chr1	2.21E+08	220887542	+	5.294E-17	8.5412E-16	0.278139	hyper	sig	chr1_220887542
chr20	21396331	21396331	+	5.297E-17	8.5462E-16	0.250358	hyper	sig	chr20_21396331
chr12	53927482	53927482	+	5.304E-17	8.5573E-16	0.258026	hyper	sig	chr12_53927482
chr7	1312251	1312251	+	5.306E-17	8.561E-16	-0.2145	hypo	sig	chr7_1312251

chr13	1.11E+08	110508071	+	5.31E-17	8.5675E-16	-0.29276	hypo	sig	chr13_110508071
chr8	49910701	49910701	+	5.315E-17	8.5749E-16	0.24545	hyper	sig	chr8_49910701
chr11	69480313	69480313	+	5.319E-17	8.5817E-16	-0.29428	hypo	sig	chr11_69480313
chr16	73063035	73063035	+	5.32E-17	8.5817E-16	-0.23409	hypo	sig	chr16_73063035
chr13	27921813	27921813	+	5.32E-17	8.5828E-16	0.283473	hyper	sig	chr13_27921813
chr16	20985202	20985202	+	5.321E-17	8.5836E-16	-0.25622	hypo	sig	chr16_20985202
chr2	2.32E+08	232415861	+	5.322E-17	8.5854E-16	-0.2703	hypo	sig	chr2_232415861
chr6	1.66E+08	166330896	+	5.323E-17	8.586E-16	0.279665	hyper	sig	chr6_166330896
chr4	1212073	1212073	+	5.328E-17	8.5941E-16	0.334104	hyper	sig	chr4_1212073
chr14	62117930	62117930	+	5.334E-17	8.6039E-16	0.240416	hyper	sig	chr14_62117930
chr16	1872416	1872416	+	5.335E-17	8.6059E-16	0.334232	hyper	sig	chr16_1872416
chr3	13281233	13281233	+	5.336E-17	8.6061E-16	-0.3183	hypo	sig	chr3_13281233
chr2	98346667	98346667	+	5.339E-17	8.6108E-16	0.280552	hyper	sig	chr2_98346667
chr21	45875257	45875257	+	5.345E-17	8.6217E-16	0.365126	hyper	sig	chr21_45875257
chr10	1.33E+08	132591935	+	5.35E-17	8.6285E-16	-0.26954	hypo	sig	chr10_132591935
chr16	85179360	85179360	+	5.352E-17	8.6314E-16	-0.22944	hypo	sig	chr16_85179360
chr4	1.55E+08	155376726	+	5.357E-17	8.6398E-16	0.219449	hyper	sig	chr4_155376726
chr5	1.73E+08	173245763	+	5.357E-17	8.6399E-16	0.23644	hyper	sig	chr5_173245763
chr5	1.41E+08	141430770	+	5.365E-17	8.6518E-16	0.251232	hyper	sig	chr5_141430770
chr7	2572531	2572531	+	5.371E-17	8.6614E-16	-0.27523	hypo	sig	chr7_2572531
chr11	17722063	17722063	+	5.376E-17	8.67E-16	0.287722	hyper	sig	chr11_17722063
chr11	8169123	8169123	+	5.377E-17	8.6713E-16	0.201857	hyper	sig	chr11_8169123
chr1	77282682	77282682	+	5.378E-17	8.6721E-16	0.2134	hyper	sig	chr1_77282682
chr14	60507128	60507128	+	5.379E-17	8.6734E-16	0.308712	hyper	sig	chr14_60507128
chr4	1.54E+08	153792330	+	5.382E-17	8.6781E-16	0.203474	hyper	sig	chr4_153792330
chr6	1.67E+08	167286591	+	5.384E-17	8.681E-16	-0.33469	hypo	sig	chr6_167286591
chr8	64799145	64799145	+	5.384E-17	8.6816E-16	0.342117	hyper	sig	chr8_64799145
chr14	28765927	28765927	+	5.39E-17	8.6901E-16	0.25095	hyper	sig	chr14_28765927
chr19	45766965	45766965	+	5.39E-17	8.6905E-16	0.361742	hyper	sig	chr19_45766965
chr7	97024311	97024311	+	5.394E-17	8.6956E-16	0.320266	hyper	sig	chr7_97024311
chr7	1693621	1693621	+	5.396E-17	8.6987E-16	-0.23896	hypo	sig	chr7_1693621
chr6	10398521	10398521	+	5.399E-17	8.7041E-16	0.267551	hyper	sig	chr6_10398521
chr17	55845685	55845685	+	5.401E-17	8.7069E-16	0.328961	hyper	sig	chr17_55845685
chr20	46174952	46174952	+	5.402E-17	8.7093E-16	0.348306	hyper	sig	chr20_46174952
chr17	80198382	80198382	+	5.406E-17	8.7154E-16	0.30163	hyper	sig	chr17_80198382
chr18	33440972	33440972	+	5.407E-17	8.7162E-16	0.337525	hyper	sig	chr18_33440972
chr16	56193810	56193810	+	5.412E-17	8.7239E-16	0.266027	hyper	sig	chr16_56193810
chr4	42398780	42398780	+	5.414E-17	8.7276E-16	0.200539	hyper	sig	chr4_42398780
chr5	1.4E+08	140177560	+	5.423E-17	8.7409E-16	-0.22542	hypo	sig	chr5_140177560
chr1	1.65E+08	165355615	+	5.424E-17	8.7422E-16	0.307359	hyper	sig	chr1_165355615
chr12	1.31E+08	131217032	+	5.431E-17	8.7531E-16	0.261471	hyper	sig	chr12_131217032
chr5	535894	535894	+	5.433E-17	8.7573E-16	-0.30957	hypo	sig	chr5_535894
chr10	8051399	8051399	+	5.434E-17	8.7582E-16	0.210886	hyper	sig	chr10_8051399
chr19	37467805	37467805	+	5.436E-17	8.7609E-16	0.216393	hyper	sig	chr19_37467805
chr11	1.14E+08	113532462	+	5.445E-17	8.7761E-16	-0.24886	hypo	sig	chr11_113532462
chr22	18998146	18998146	+	5.448E-17	8.7796E-16	0.237197	hyper	sig	chr22_18998146
chr6	1.29E+08	128883257	+	5.454E-17	8.7903E-16	0.237832	hyper	sig	chr6_128883257
chr5	1.41E+08	141432991	+	5.459E-17	8.7973E-16	0.259953	hyper	sig	chr5_141432991
chr7	1.39E+08	139110247	+	5.463E-17	8.8036E-16	-0.23784	hypo	sig	chr7_139110247
chr21	42955599	42955599	+	5.467E-17	8.8103E-16	-0.27172	hypo	sig	chr21_42955599
chr16	10180458	10180458	+	5.468E-17	8.8115E-16	0.330159	hyper	sig	chr16_10180458
chr13	98483259	98483259	+	5.471E-17	8.8168E-16	0.257003	hyper	sig	chr13_98483259
chr22	37024265	37024265	+	5.474E-17	8.8212E-16	-0.37039	hypo	sig	chr22_37024265
chr4	1.4E+08	140426922	+	5.484E-17	8.8363E-16	0.231764	hyper	sig	chr4_140426922
chr11	75159263	75159263	+	5.485E-17	8.8374E-16	-0.28298	hypo	sig	chr11_75159263
chr14	1.07E+08	106843876	+	5.49E-17	8.8455E-16	-0.22638	hypo	sig	chr14_106843876

chr6	41470852	41470852	+	5.491E-17	8.8482E-16	-0.32303	hypo	sig	chr6_41470852
chr19	2290967	2290967	+	5.499E-17	8.8597E-16	0.227698	hyper	sig	chr19_2290967
chr20	38728123	38728123	+	5.504E-17	8.8683E-16	0.439392	hyper	sig	chr20_38728123
chr2	20670271	20670271	+	5.506E-17	8.8715E-16	0.322302	hyper	sig	chr2_20670271
chr1	2.21E+08	220878439	+	5.507E-17	8.873E-16	0.237133	hyper	sig	chr1_220878439
chr2	1.21E+08	120712841	+	5.51E-17	8.8766E-16	-0.23472	hypo	sig	chr2_120712841
chr5	3591138	3591138	+	5.513E-17	8.882E-16	0.268829	hyper	sig	chr5_3591138
chr10	1.17E+08	117132912	+	5.527E-17	8.9038E-16	0.214178	hyper	sig	chr10_117132912
chr5	73232302	73232302	+	5.529E-17	8.9069E-16	0.296196	hyper	sig	chr5_73232302
chr5	1.41E+08	141409881	+	5.53E-17	8.9081E-16	0.307845	hyper	sig	chr5_141409881
chr17	1279787	1279787	+	5.53E-17	8.9088E-16	0.271674	hyper	sig	chr17_1279787
chr11	1.35E+08	134528579	+	5.533E-17	8.9131E-16	-0.21434	hypo	sig	chr11_134528579
chr7	1.42E+08	141550987	+	5.534E-17	8.9146E-16	0.35835	hyper	sig	chr7_141550987
chr2	2.19E+08	218873567	+	5.542E-17	8.9264E-16	0.203447	hyper	sig	chr2_218873567
chr5	37837363	37837363	+	5.544E-17	8.9306E-16	0.255288	hyper	sig	chr5_37837363
chr18	904891	904891	+	5.548E-17	8.9362E-16	0.242145	hyper	sig	chr18_904891
chr1	90719699	90719699	+	5.549E-17	8.9368E-16	0.336799	hyper	sig	chr1_90719699
chr5	1.81E+08	181114978	+	5.555E-17	8.9466E-16	0.27439	hyper	sig	chr5_181114978
chr20	41134183	41134183	+	5.556E-17	8.948E-16	-0.30903	hypo	sig	chr20_41134183
chr10	52778772	52778772	+	5.562E-17	8.9573E-16	0.419292	hyper	sig	chr10_52778772
chr10	618816	618816	+	5.563E-17	8.9597E-16	0.249929	hyper	sig	chr10_618816
chr5	77632581	77632581	+	5.565E-17	8.9619E-16	0.322717	hyper	sig	chr5_77632581
chr8	1.41E+08	141277165	+	5.565E-17	8.9619E-16	-0.26627	hypo	sig	chr8_141277165
chr1	1.19E+08	118985424	+	5.568E-17	8.9674E-16	0.320731	hyper	sig	chr1_118985424
chr3	1.47E+08	147411211	+	5.571E-17	8.9713E-16	0.302989	hyper	sig	chr3_147411211
chr22	38239767	38239767	+	5.573E-17	8.9741E-16	0.22186	hyper	sig	chr22_38239767
chr8	96495335	96495335	+	5.573E-17	8.9742E-16	0.261995	hyper	sig	chr8_96495335
chr15	70448131	70448131	+	5.578E-17	8.982E-16	-0.2044	hypo	sig	chr15_70448131
chr13	78597416	78597416	+	5.586E-17	8.9953E-16	0.315037	hyper	sig	chr13_78597416
chr7	4882545	4882545	+	5.59E-17	9.0003E-16	0.204804	hyper	sig	chr7_4882545
chr10	1.01E+08	101135929	+	5.597E-17	9.0115E-16	0.333944	hyper	sig	chr10_101135929
chr6	32153101	32153101	+	5.598E-17	9.0142E-16	0.240212	hyper	sig	chr6_32153101
chr8	1.08E+08	108082297	+	5.6E-17	9.0167E-16	0.274654	hyper	sig	chr8_108082297
chr7	63930741	63930741	+	5.601E-17	9.0173E-16	-0.32264	hypo	sig	chr7_63930741
chr7	35186645	35186645	+	5.602E-17	9.0196E-16	0.224156	hyper	sig	chr7_35186645
chr19	17791415	17791415	+	5.609E-17	9.0302E-16	-0.24353	hypo	sig	chr19_17791415
chr12	6132708	6132708	+	5.61E-17	9.0316E-16	0.250277	hyper	sig	chr12_6132708
chr11	65478953	65478953	+	5.611E-17	9.0329E-16	0.203208	hyper	sig	chr11_65478953
chr16	8869951	8869951	+	5.611E-17	9.033E-16	-0.22419	hypo	sig	chr16_8869951
chr22	24427173	24427173	+	5.617E-17	9.0424E-16	-0.22286	hypo	sig	chr22_24427173
chr7	1.3E+08	130291732	+	5.625E-17	9.0545E-16	-0.2492	hypo	sig	chr7_130291732
chr19	55437230	55437230	+	5.625E-17	9.0546E-16	0.224619	hyper	sig	chr19_55437230
chr8	23706427	23706427	+	5.626E-17	9.0567E-16	0.214153	hyper	sig	chr8_23706427
chr5	5139497	5139497	+	5.627E-17	9.0572E-16	0.311915	hyper	sig	chr5_5139497
chr17	4901549	4901549	+	5.629E-17	9.0603E-16	0.239446	hyper	sig	chr17_4901549
chr8	31639128	31639128	+	5.631E-17	9.0641E-16	0.223038	hyper	sig	chr8_31639128
chr7	1.5E+08	150219579	+	5.642E-17	9.0817E-16	0.234331	hyper	sig	chr7_150219579
chr1	17522246	17522246	+	5.643E-17	9.0832E-16	-0.24902	hypo	sig	chr1_17522246
chr14	36654457	36654457	+	5.647E-17	9.0895E-16	0.309801	hyper	sig	chr14_36654457
chr2	88765347	88765347	+	5.652E-17	9.097E-16	0.255746	hyper	sig	chr2_88765347
chr5	1.41E+08	141383574	+	5.653E-17	9.0978E-16	0.304297	hyper	sig	chr5_141383574
chr22	46685854	46685854	+	5.654E-17	9.0998E-16	-0.2264	hypo	sig	chr22_46685854
chr15	82044455	82044455	+	5.657E-17	9.104E-16	0.200127	hyper	sig	chr15_82044455
chr22	17370729	17370729	+	5.658E-17	9.105E-16	0.203888	hyper	sig	chr22_17370729
chr7	1.51E+08	151019259	+	5.667E-17	9.1202E-16	0.291208	hyper	sig	chr7_151019259
chr16	27426409	27426409	+	5.67E-17	9.125E-16	-0.24662	hypo	sig	chr16_27426409

chr7	4822742	4822742	+	5.671E-17	9.1259E-16	-0.30631	hypo	sig	chr7_4822742
chr12	52192002	52192002	+	5.672E-17	9.1267E-16	-0.30122	hypo	sig	chr12_52192002
chr9	35676377	35676377	+	5.672E-17	9.1269E-16	0.249851	hyper	sig	chr9_35676377
chr16	58464911	58464911	+	5.672E-17	9.1274E-16	0.230544	hyper	sig	chr16_58464911
chr1	2.11E+08	211329877	+	5.673E-17	9.1281E-16	-0.24231	hypo	sig	chr1_211329877
chr9	41273929	41273929	+	5.674E-17	9.1303E-16	0.20572	hyper	sig	chr9_41273929
chr1	2.36E+08	236064156	+	5.677E-17	9.1339E-16	0.222923	hyper	sig	chr1_236064156
chr8	1E+08	100106335	+	5.678E-17	9.1361E-16	0.338626	hyper	sig	chr8_100106335
chr12	85273799	85273799	+	5.681E-17	9.1397E-16	0.260168	hyper	sig	chr12_85273799
chr5	1.81E+08	181221843	+	5.682E-17	9.1413E-16	-0.22445	hypo	sig	chr5_181221843
chr5	1.41E+08	140855993	+	5.686E-17	9.1482E-16	0.249969	hyper	sig	chr5_140855993
chr16	85098783	85098783	+	5.687E-17	9.1499E-16	-0.2059	hypo	sig	chr16_85098783
chr18	9535891	9535891	+	5.69E-17	9.1545E-16	0.262594	hyper	sig	chr18_9535891
chr2	2.41E+08	240672583	+	5.691E-17	9.156E-16	0.278314	hyper	sig	chr2_240672583
chr15	28106967	28106967	+	5.692E-17	9.1566E-16	0.261728	hyper	sig	chr15_28106967
chr17	82228306	82228306	+	5.696E-17	9.1636E-16	-0.30919	hypo	sig	chr17_82228306
chr11	57647110	57647110	+	5.7E-17	9.169E-16	0.234325	hyper	sig	chr11_57647110
chr3	1.47E+08	147388754	+	5.708E-17	9.1818E-16	0.240237	hyper	sig	chr3_147388754
chr2	2.39E+08	239308855	+	5.716E-17	9.1945E-16	0.281282	hyper	sig	chr2_239308855
chr11	79439025	79439025	+	5.718E-17	9.1972E-16	0.214081	hyper	sig	chr11_79439025
chr2	20671298	20671298	+	5.721E-17	9.202E-16	0.3131	hyper	sig	chr2_20671298
chr4	1.47E+08	146640921	+	5.726E-17	9.2094E-16	0.393225	hyper	sig	chr4_146640921
chr5	1.41E+08	141392744	+	5.726E-17	9.2103E-16	0.271071	hyper	sig	chr5_141392744
chr5	1.41E+08	140841819	+	5.729E-17	9.2141E-16	0.245726	hyper	sig	chr5_140841819
chr10	99234245	99234245	+	5.729E-17	9.2141E-16	0.216967	hyper	sig	chr10_99234245
chr7	1940676	1940676	+	5.729E-17	9.2141E-16	-0.26702	hypo	sig	chr7_1940676
chr6	43288213	43288213	+	5.73E-17	9.2155E-16	-0.28733	hypo	sig	chr6_43288213
chr10	1.18E+08	117545512	+	5.734E-17	9.222E-16	0.217269	hyper	sig	chr10_117545512
chr10	1.32E+08	132232125	+	5.736E-17	9.2241E-16	-0.26319	hypo	sig	chr10_132232125
chr18	37257180	37257180	+	5.736E-17	9.2243E-16	-0.25189	hypo	sig	chr18_37257180
chr12	49545757	49545757	+	5.736E-17	9.2248E-16	-0.27064	hypo	sig	chr12_49545757
chr9	1.33E+08	133274616	+	5.739E-17	9.2285E-16	-0.28313	hypo	sig	chr9_133274616
chr6	1.7E+08	170152808	+	5.74E-17	9.2302E-16	-0.26927	hypo	sig	chr6_170152808
chr7	45920185	45920185	+	5.74E-17	9.2307E-16	0.212064	hyper	sig	chr7_45920185
chr5	2755841	2755841	+	5.748E-17	9.2423E-16	0.242777	hyper	sig	chr5_2755841
chr2	3470413	3470413	+	5.751E-17	9.2468E-16	0.208	hyper	sig	chr2_3470413
chr5	1.69E+08	169299935	+	5.754E-17	9.252E-16	0.232584	hyper	sig	chr5_169299935
chr2	1.81E+08	181457048	+	5.755E-17	9.2537E-16	0.228899	hyper	sig	chr2_181457048
chr16	1026988	1026988	+	5.758E-17	9.2587E-16	-0.29908	hypo	sig	chr16_1026988
chr1	2.43E+08	242520740	+	5.759E-17	9.2597E-16	-0.2441	hypo	sig	chr1_242520740
chr1	1.61E+08	161079715	+	5.762E-17	9.264E-16	0.283347	hyper	sig	chr1_161079715
chr7	1.57E+08	157004422	+	5.762E-17	9.264E-16	0.248368	hyper	sig	chr7_157004422
chr21	36707393	36707393	+	5.762E-17	9.2643E-16	0.322195	hyper	sig	chr21_36707393
chr5	1.41E+08	141224888	+	5.763E-17	9.2643E-16	0.300625	hyper	sig	chr5_141224888
chr6	10881748	10881748	+	5.763E-17	9.2656E-16	0.231716	hyper	sig	chr6_10881748
chr2	1.75E+08	174730026	+	5.773E-17	9.2804E-16	0.313486	hyper	sig	chr2_174730026
chr6	1.5E+08	149746870	+	5.774E-17	9.2814E-16	-0.24513	hypo	sig	chr6_149746870
chr8	1.44E+08	144339127	+	5.774E-17	9.2819E-16	0.302547	hyper	sig	chr8_144339127
chr11	3223218	3223218	+	5.774E-17	9.2822E-16	-0.24151	hypo	sig	chr11_3223218
chr16	68642872	68642872	+	5.776E-17	9.2844E-16	0.322461	hyper	sig	chr16_68642872
chr10	1.33E+08	132977539	+	5.776E-17	9.2849E-16	-0.24178	hypo	sig	chr10_132977539
chr14	28765903	28765903	+	5.777E-17	9.2852E-16	0.257573	hyper	sig	chr14_28765903
chr12	34292850	34292850	+	5.779E-17	9.2894E-16	-0.33542	hypo	sig	chr12_34292850
chr6	32153049	32153049	+	5.785E-17	9.2979E-16	0.2679	hyper	sig	chr6_32153049
chr7	1.55E+08	155373504	+	5.798E-17	9.318E-16	0.261672	hyper	sig	chr7_155373504
chr14	68628982	68628982	+	5.799E-17	9.3204E-16	-0.2843	hypo	sig	chr14_68628982

chr1	2.08E+08	207823705	+	5.8E-17	9.321E-16	0.233904	hyper	sig	chr1_207823705
chr2	2.19E+08	218873560	+	5.806E-17	9.3317E-16	0.206879	hyper	sig	chr2_218873560
chr11	66317448	66317448	+	5.807E-17	9.3322E-16	0.297383	hyper	sig	chr11_66317448
chr7	79454523	79454523	+	5.808E-17	9.334E-16	0.401853	hyper	sig	chr7_79454523
chr10	788563	788563	+	5.81E-17	9.3366E-16	-0.24565	hypo	sig	chr10_788563
chr9	98944324	98944324	+	5.813E-17	9.3408E-16	0.225915	hyper	sig	chr9_98944324
chr11	18792481	18792481	+	5.813E-17	9.3413E-16	0.265025	hyper	sig	chr11_18792481
chr8	1514737	1514737	+	5.82E-17	9.3521E-16	-0.27221	hypo	sig	chr8_1514737
chr3	27724741	27724741	+	5.824E-17	9.3585E-16	0.215691	hyper	sig	chr3_27724741
chr19	46080993	46080993	+	5.825E-17	9.3606E-16	-0.276	hypo	sig	chr19_46080993
chr7	3972907	3972907	+	5.836E-17	9.3774E-16	-0.24782	hypo	sig	chr7_3972907
chr7	48847965	48847965	+	5.838E-17	9.3805E-16	0.283083	hyper	sig	chr7_48847965
chr22	24607604	24607604	+	5.839E-17	9.3824E-16	-0.21565	hypo	sig	chr22_24607604
chr3	1.82E+08	181726662	+	5.846E-17	9.3926E-16	0.278912	hyper	sig	chr3_181726662
chr17	14308770	14308770	+	5.848E-17	9.3966E-16	0.243269	hyper	sig	chr17_14308770
chr7	44893751	44893751	+	5.852E-17	9.4029E-16	-0.22707	hypo	sig	chr7_44893751
chr1	1.98E+08	197920019	+	5.853E-17	9.4043E-16	0.218678	hyper	sig	chr1_197920019
chr10	99234113	99234113	+	5.853E-17	9.4043E-16	0.209305	hyper	sig	chr10_99234113
chr11	65607596	65607596	+	5.857E-17	9.4105E-16	0.25813	hyper	sig	chr11_65607596
chr2	2.32E+08	232315737	+	5.858E-17	9.4116E-16	-0.24108	hypo	sig	chr2_232315737
chr8	54466589	54466589	+	5.863E-17	9.4186E-16	0.294856	hyper	sig	chr8_54466589
chr4	1.47E+08	146640739	+	5.863E-17	9.4194E-16	0.241234	hyper	sig	chr4_146640739
chr5	1.59E+08	159104124	+	5.865E-17	9.4224E-16	0.307089	hyper	sig	chr5_159104124
chr15	90868265	90868265	+	5.868E-17	9.4272E-16	-0.22683	hypo	sig	chr15_90868265
chr17	77960410	77960410	+	5.87E-17	9.4298E-16	0.242492	hyper	sig	chr17_77960410
chr17	36933980	36933980	+	5.87E-17	9.4302E-16	0.271516	hyper	sig	chr17_36933980
chr2	2.4E+08	239813277	+	5.875E-17	9.4377E-16	-0.24759	hypo	sig	chr2_239813277
chr1	1.21E+08	121009646	+	5.879E-17	9.4433E-16	0.26586	hyper	sig	chr1_121009646
chr16	73063015	73063015	+	5.886E-17	9.4545E-16	-0.24491	hypo	sig	chr16_73063015
chr19	52336434	52336434	+	5.887E-17	9.456E-16	0.217046	hyper	sig	chr19_52336434
chr5	1.41E+08	141389541	+	5.891E-17	9.4623E-16	0.258268	hyper	sig	chr5_141389541
chr1	1.11E+08	111271230	+	5.9E-17	9.4757E-16	0.27754	hyper	sig	chr1_111271230
chr8	1512361	1512361	+	5.901E-17	9.4771E-16	0.250962	hyper	sig	chr8_1512361
chr1	66534250	66534250	+	5.904E-17	9.4826E-16	0.255024	hyper	sig	chr1_66534250
chr8	71558869	71558869	+	5.904E-17	9.4826E-16	0.24402	hyper	sig	chr8_71558869
chr7	1.55E+08	155381589	+	5.907E-17	9.487E-16	0.282366	hyper	sig	chr7_155381589
chr16	4535286	4535286	+	5.908E-17	9.4878E-16	-0.21077	hypo	sig	chr16_4535286
chr20	33018789	33018789	+	5.909E-17	9.4901E-16	-0.24139	hypo	sig	chr20_33018789
chr12	1.13E+08	113479908	+	5.913E-17	9.4963E-16	0.28296	hyper	sig	chr12_113479908
chr18	33440786	33440786	+	5.919E-17	9.505E-16	0.252056	hyper	sig	chr18_33440786
chr17	48905286	48905286	+	5.924E-17	9.514E-16	-0.22203	hypo	sig	chr17_48905286
chr5	1.29E+08	128537792	+	5.926E-17	9.5162E-16	0.250977	hyper	sig	chr5_128537792
chr1	2.29E+08	229434064	+	5.927E-17	9.5179E-16	0.249518	hyper	sig	chr1_229434064
chr8	1.23E+08	123182893	+	5.932E-17	9.5254E-16	-0.21369	hypo	sig	chr8_123182893
chr8	11996411	11996411	+	5.932E-17	9.5257E-16	-0.28616	hypo	sig	chr8_11996411
chr16	87487745	87487745	+	5.932E-17	9.5258E-16	-0.222	hypo	sig	chr16_87487745
chr12	63149974	63149974	+	5.936E-17	9.5316E-16	0.328747	hyper	sig	chr12_63149974
chr19	827782	827782	+	5.937E-17	9.5326E-16	-0.25667	hypo	sig	chr19_827782
chr19	19860873	19860873	+	5.948E-17	9.5504E-16	0.27014	hyper	sig	chr19_19860873
chr17	7336502	7336502	+	5.955E-17	9.5606E-16	-0.26333	hypo	sig	chr17_7336502
chr1	50427338	50427338	+	5.956E-17	9.5622E-16	0.227951	hyper	sig	chr1_50427338
chr2	749025	749025	+	5.956E-17	9.5625E-16	-0.23357	hypo	sig	chr2_749025
chr21	26967866	26967866	+	5.96E-17	9.5682E-16	0.235543	hyper	sig	chr21_26967866
chr10	42755352	42755352	+	5.962E-17	9.5713E-16	0.215399	hyper	sig	chr10_42755352
chr2	1665360	1665360	+	5.968E-17	9.5806E-16	-0.2633	hypo	sig	chr2_1665360
chr1	2.28E+08	228006414	+	5.969E-17	9.5819E-16	0.309637	hyper	sig	chr1_228006414

chr1	1.19E+08	119000713	+	5.969E-17	9.5823E-16	0.240476	hyper	sig	chr1_119000713
chr8	1.45E+08	144713284	+	5.97E-17	9.5826E-16	0.344262	hyper	sig	chr8_144713284
chr7	1246732	1246732	+	5.972E-17	9.5861E-16	0.228652	hyper	sig	chr7_1246732
chr11	31806527	31806527	+	5.974E-17	9.5889E-16	0.212009	hyper	sig	chr11_31806527
chr18	78126835	78126835	+	5.977E-17	9.5939E-16	0.299477	hyper	sig	chr18_78126835
chr6	28988626	28988626	+	5.981E-17	9.6002E-16	0.213794	hyper	sig	chr6_28988626
chr22	19984722	19984722	+	5.989E-17	9.6128E-16	0.292959	hyper	sig	chr22_19984722
chr16	81493502	81493502	+	5.995E-17	9.6214E-16	-0.25578	hypo	sig	chr16_81493502
chr2	2.41E+08	241039368	+	5.996E-17	9.6232E-16	-0.31504	hypo	sig	chr2_241039368
chr12	1.32E+08	132261004	+	5.997E-17	9.6243E-16	-0.30899	hypo	sig	chr12_132261004
chr19	36421862	36421862	+	6.004E-17	9.6357E-16	0.247542	hyper	sig	chr19_36421862
chr5	1.41E+08	141350479	+	6.005E-17	9.6367E-16	0.309791	hyper	sig	chr5_141350479
chr8	1.08E+08	108131439	+	6.006E-17	9.6384E-16	-0.30473	hypo	sig	chr8_108131439
chr6	6004702	6004702	+	6.012E-17	9.6471E-16	0.248034	hyper	sig	chr6_6004702
chr1	2.07E+08	207051637	+	6.015E-17	9.6529E-16	-0.27646	hypo	sig	chr1_207051637
chr3	1.47E+08	147423457	+	6.017E-17	9.6557E-16	0.256565	hyper	sig	chr3_147423457
chr7	1.59E+08	159229601	+	6.022E-17	9.6636E-16	-0.25702	hypo	sig	chr7_159229601
chr2	2.22E+08	222291407	+	6.024E-17	9.6668E-16	0.228639	hyper	sig	chr2_222291407
chr1	16520805	16520805	+	6.026E-17	9.6683E-16	0.256193	hyper	sig	chr1_16520805
chr15	40302477	40302477	+	6.028E-17	9.6718E-16	-0.3253	hypo	sig	chr15_40302477
chr7	1E+08	100177830	+	6.031E-17	9.6772E-16	0.232686	hyper	sig	chr7_100177830
chr7	1.04E+08	104100601	+	6.032E-17	9.6777E-16	-0.21481	hypo	sig	chr7_104100601
chr20	21701393	21701393	+	6.034E-17	9.6816E-16	0.350374	hyper	sig	chr20_21701393
chr7	32318688	32318688	+	6.036E-17	9.6845E-16	0.341749	hyper	sig	chr7_32318688
chr4	1405467	1405467	+	6.04E-17	9.6905E-16	0.330981	hyper	sig	chr4_1405467
chr7	35257498	35257498	+	6.041E-17	9.6909E-16	0.237229	hyper	sig	chr7_35257498
chr13	1.13E+08	113454266	+	6.041E-17	9.6913E-16	0.218311	hyper	sig	chr13_113454266
chr1	1.19E+08	118983437	+	6.043E-17	9.6949E-16	0.364776	hyper	sig	chr1_118983437
chr7	4833236	4833236	+	6.045E-17	9.6974E-16	-0.36528	hypo	sig	chr7_4833236
chr13	99974832	99974832	+	6.054E-17	9.7108E-16	0.319724	hyper	sig	chr13_99974832
chr5	1.11E+08	111070792	+	6.057E-17	9.7159E-16	0.232382	hyper	sig	chr5_111070792
chr20	24469209	24469209	+	6.06E-17	9.7201E-16	0.297059	hyper	sig	chr20_24469209
chr11	47591906	47591906	+	6.063E-17	9.7247E-16	-0.27153	hypo	sig	chr11_47591906
chr14	68817292	68817292	+	6.069E-17	9.7348E-16	0.256915	hyper	sig	chr14_68817292
chr18	37567225	37567225	+	6.071E-17	9.7373E-16	0.226262	hyper	sig	chr18_37567225
chr12	1.2E+08	119804347	+	6.076E-17	9.7458E-16	0.271188	hyper	sig	chr12_119804347
chr14	1.03E+08	102927690	+	6.08E-17	9.7515E-16	-0.34194	hypo	sig	chr14_102927690
chr3	51955788	51955788	+	6.081E-17	9.7531E-16	0.273597	hyper	sig	chr3_51955788
chr2	1.32E+08	131589323	+	6.082E-17	9.7547E-16	-0.2978	hypo	sig	chr2_131589323
chr19	46468203	46468203	+	6.084E-17	9.7564E-16	-0.37923	hypo	sig	chr19_46468203
chr12	63821831	63821831	+	6.087E-17	9.7609E-16	0.280588	hyper	sig	chr12_63821831
chr10	69576601	69576601	+	6.087E-17	9.7612E-16	0.242243	hyper	sig	chr10_69576601
chr1	16022335	16022335	+	6.096E-17	9.7749E-16	-0.2526	hypo	sig	chr1_16022335
chr14	28778361	28778361	+	6.097E-17	9.7769E-16	0.22393	hyper	sig	chr14_28778361
chr7	4723583	4723583	+	6.105E-17	9.7898E-16	0.234952	hyper	sig	chr7_4723583
chr14	60511237	60511237	+	6.105E-17	9.7902E-16	0.225088	hyper	sig	chr14_60511237
chr1	1.19E+08	118986756	+	6.108E-17	9.7934E-16	0.261667	hyper	sig	chr1_118986756
chr20	46174967	46174967	+	6.108E-17	9.7934E-16	0.318494	hyper	sig	chr20_46174967
chr5	1.51E+08	150778164	+	6.108E-17	9.7934E-16	-0.21776	hypo	sig	chr5_150778164
chr6	10410261	10410261	+	6.108E-17	9.7934E-16	0.318165	hyper	sig	chr6_10410261
chr1	2.14E+08	213980034	+	6.113E-17	9.8007E-16	0.314495	hyper	sig	chr1_213980034
chr1	1.19E+08	119008661	+	6.113E-17	9.8013E-16	0.254322	hyper	sig	chr1_119008661
chr17	45395359	45395359	+	6.117E-17	9.8068E-16	0.281625	hyper	sig	chr17_45395359
chr11	1.34E+08	134471512	+	6.124E-17	9.8172E-16	0.287951	hyper	sig	chr11_134471512
chr12	48329207	48329207	+	6.125E-17	9.8198E-16	-0.29507	hypo	sig	chr12_48329207
chr3	1.3E+08	129605085	+	6.127E-17	9.8227E-16	0.253952	hyper	sig	chr3_129605085

chr18	78858316	78858316	+	6.13E-17	9.8275E-16	-0.21658	hypo	sig	chr18_78858316
chr7	1.56E+08	155806363	+	6.131E-17	9.8286E-16	0.284108	hyper	sig	chr7_155806363
chr2	32948303	32948303	+	6.132E-17	9.8295E-16	0.27647	hyper	sig	chr2_32948303
chr1	3480525	3480525	+	6.134E-17	9.8324E-16	-0.25417	hypo	sig	chr1_3480525
chr3	46464849	46464849	+	6.14E-17	9.8424E-16	0.241963	hyper	sig	chr3_46464849
chr4	1.25E+08	125316309	+	6.143E-17	9.8467E-16	0.218256	hyper	sig	chr4_125316309
chr11	69463767	69463767	+	6.143E-17	9.8471E-16	0.254688	hyper	sig	chr11_69463767
chr15	39582524	39582524	+	6.146E-17	9.8505E-16	0.236707	hyper	sig	chr15_39582524
chr11	75159223	75159223	+	6.147E-17	9.8527E-16	-0.2722	hypo	sig	chr11_75159223
chr17	6995795	6995795	+	6.151E-17	9.8592E-16	0.238906	hyper	sig	chr17_6995795
chr16	974838	974838	+	6.152E-17	9.8597E-16	-0.29194	hypo	sig	chr16_974838
chr16	29877369	29877369	+	6.152E-17	9.8601E-16	0.254495	hyper	sig	chr16_29877369
chr17	82481026	82481026	+	6.152E-17	9.8601E-16	0.231425	hyper	sig	chr17_82481026
chr13	1.14E+08	114031879	+	6.152E-17	9.8603E-16	0.22302	hyper	sig	chr13_114031879
chr5	1.81E+08	181174183	+	6.163E-17	9.8765E-16	0.24855	hyper	sig	chr5_181174183
chr21	33025437	33025437	+	6.163E-17	9.8767E-16	0.257766	hyper	sig	chr21_33025437
chr19	2358745	2358745	+	6.165E-17	9.8794E-16	-0.32769	hypo	sig	chr19_2358745
chr3	1.3E+08	129975406	+	6.168E-17	9.8848E-16	0.419998	hyper	sig	chr3_129975406
chr20	51023583	51023583	+	6.172E-17	9.8896E-16	0.305361	hyper	sig	chr20_51023583
chr7	1.59E+08	159035758	+	6.173E-17	9.8908E-16	-0.28583	hypo	sig	chr7_159035758
chr2	2.08E+08	208406901	+	6.174E-17	9.8929E-16	0.31418	hyper	sig	chr2_208406901
chr2	2.4E+08	240295689	+	6.174E-17	9.8929E-16	-0.24138	hypo	sig	chr2_240295689
chr4	7195836	7195836	+	6.177E-17	9.898E-16	-0.22889	hypo	sig	chr4_7195836
chr13	50843742	50843742	+	6.179E-17	9.9004E-16	0.288515	hyper	sig	chr13_50843742
chr1	2041308	2041308	+	6.18E-17	9.9014E-16	-0.29714	hypo	sig	chr1_2041308
chr3	75670992	75670992	+	6.18E-17	9.9021E-16	0.260848	hyper	sig	chr3_75670992
chr4	25863669	25863669	+	6.182E-17	9.9044E-16	-0.26293	hypo	sig	chr4_25863669
chr5	15500682	15500682	+	6.183E-17	9.9053E-16	0.228368	hyper	sig	chr5_15500682
chr2	1.32E+08	131675901	+	6.184E-17	9.9076E-16	-0.29211	hypo	sig	chr2_131675901
chr6	30071229	30071229	+	6.185E-17	9.9079E-16	0.295403	hyper	sig	chr6_30071229
chr1	2.29E+08	229434051	+	6.187E-17	9.911E-16	0.244811	hyper	sig	chr1_229434051
chr5	1.29E+08	128965604	+	6.193E-17	9.9211E-16	0.254872	hyper	sig	chr5_128965604
chr15	40770120	40770120	+	6.196E-17	9.9258E-16	-0.27944	hypo	sig	chr15_40770120
chr22	49999986	49999986	+	6.2E-17	9.9314E-16	0.235001	hyper	sig	chr22_49999986
chr10	1.23E+08	123141940	+	6.204E-17	9.9387E-16	0.276834	hyper	sig	chr10_123141940
chr2	2.27E+08	226798279	+	6.205E-17	9.9387E-16	0.353476	hyper	sig	chr2_226798279
chr6	96927880	96927880	+	6.205E-17	9.9387E-16	-0.20569	hypo	sig	chr6_96927880
chr16	67649925	67649925	+	6.207E-17	9.942E-16	0.257229	hyper	sig	chr16_67649925
chr7	97731961	97731961	+	6.208E-17	9.9435E-16	0.25223	hyper	sig	chr7_97731961
chr11	2213729	2213729	+	6.209E-17	9.9446E-16	-0.36069	hypo	sig	chr11_2213729
chr19	21463527	21463527	+	6.211E-17	9.9477E-16	0.262323	hyper	sig	chr19_21463527
chr10	48196	48196	+	6.214E-17	9.9531E-16	-0.36228	hypo	sig	chr10_48196
chr2	1.07E+08	106584492	+	6.219E-17	9.9611E-16	0.267103	hyper	sig	chr2_106584492
chr4	7185444	7185444	+	6.222E-17	9.9656E-16	-0.26874	hypo	sig	chr4_7185444
chr5	6587180	6587180	+	6.224E-17	9.9681E-16	-0.26262	hypo	sig	chr5_6587180
chr13	20946338	20946338	+	6.227E-17	9.973E-16	0.293476	hyper	sig	chr13_20946338
chr5	1.47E+08	147446585	+	6.232E-17	9.9795E-16	0.312654	hyper	sig	chr5_147446585
chr12	8018931	8018931	+	6.235E-17	9.9844E-16	0.209467	hyper	sig	chr12_8018931
chr1	1007173	1007173	+	6.241E-17	9.9947E-16	-0.21866	hypo	sig	chr1_1007173
chr5	1.41E+08	140841791	+	6.242E-17	9.9959E-16	0.242674	hyper	sig	chr5_140841791
chr2	2.02E+08	201619222	+	6.245E-17	9.9998E-16	0.294804	hyper	sig	chr2_201619222
chr6	1.17E+08	116866817	+	6.252E-17	1.0011E-15	-0.2713	hypo	sig	chr6_116866817
chr5	1.41E+08	141383700	+	6.26E-17	1.0025E-15	0.258804	hyper	sig	chr5_141383700
chr13	30418880	30418880	+	6.262E-17	1.0026E-15	0.271159	hyper	sig	chr13_30418880
chr17	18982169	18982169	+	6.266E-17	1.0033E-15	-0.27281	hypo	sig	chr17_18982169
chr11	66049122	66049122	+	6.267E-17	1.0034E-15	0.29173	hyper	sig	chr11_66049122

chr5	1.41E+08	141094717	+	6.268E-17	1.0036E-15	0.280031	hyper	sig	chr5_141094717
chr8	98939502	98939502	+	6.284E-17	1.0062E-15	0.22312	hyper	sig	chr8_98939502
chr19	3801749	3801749	+	6.285E-17	1.0062E-15	0.247578	hyper	sig	chr19_3801749
chr18	37485084	37485084	+	6.294E-17	1.0077E-15	0.24844	hyper	sig	chr18_37485084
chr14	91400390	91400390	+	6.299E-17	1.0085E-15	-0.25868	hypo	sig	chr14_91400390
chr3	1.8E+08	180036745	+	6.303E-17	1.0091E-15	0.240964	hyper	sig	chr3_180036745
chr2	1696922	1696922	+	6.305E-17	1.0094E-15	-0.24215	hypo	sig	chr2_1696922
chr20	25059156	25059156	+	6.306E-17	1.0095E-15	0.270227	hyper	sig	chr20_25059156
chr3	1.47E+08	147392580	+	6.306E-17	1.0095E-15	0.290136	hyper	sig	chr3_147392580
chr19	48485267	48485267	+	6.307E-17	1.0096E-15	0.360135	hyper	sig	chr19_48485267
chr14	1.03E+08	102923629	+	6.308E-17	1.0097E-15	0.27584	hyper	sig	chr14_102923629
chr12	2653508	2653508	+	6.309E-17	1.0099E-15	-0.23182	hypo	sig	chr12_2653508
chr18	7117008	7117008	+	6.321E-17	1.0117E-15	0.277551	hyper	sig	chr18_7117008
chr6	27291242	27291242	+	6.321E-17	1.0118E-15	0.22649	hyper	sig	chr6_27291242
chr5	1.78E+08	178165745	+	6.323E-17	1.0121E-15	0.318273	hyper	sig	chr5_178165745
chr4	41881162	41881162	+	6.328E-17	1.0128E-15	0.229222	hyper	sig	chr4_41881162
chr15	1.01E+08	100973567	+	6.328E-17	1.0129E-15	0.320974	hyper	sig	chr15_100973567
chr3	49718994	49718994	+	6.331E-17	1.0133E-15	0.300619	hyper	sig	chr3_49718994
chr8	48910593	48910593	+	6.332E-17	1.0135E-15	-0.2522	hypo	sig	chr8_48910593
chr4	8372758	8372758	+	6.348E-17	1.0159E-15	-0.27609	hypo	sig	chr4_8372758
chr17	19534893	19534893	+	6.35E-17	1.0163E-15	-0.26324	hypo	sig	chr17_19534893
chr6	28810457	28810457	+	6.351E-17	1.0164E-15	0.270315	hyper	sig	chr6_28810457
chr11	67523916	67523916	+	6.352E-17	1.0165E-15	-0.27762	hypo	sig	chr11_67523916
chr14	37622321	37622321	+	6.355E-17	1.0169E-15	0.287889	hyper	sig	chr14_37622321
chr13	83881462	83881462	+	6.357E-17	1.0172E-15	0.272928	hyper	sig	chr13_83881462
chr14	93840485	93840485	+	6.359E-17	1.0176E-15	-0.26763	hypo	sig	chr14_93840485
chr5	1.41E+08	141178117	+	6.361E-17	1.0178E-15	0.387118	hyper	sig	chr5_141178117
chr1	1.75E+08	175400767	+	6.363E-17	1.0182E-15	-0.28151	hypo	sig	chr1_175400767
chr9	1.36E+08	135715063	+	6.369E-17	1.019E-15	0.216693	hyper	sig	chr9_135715063
chr16	3183066	3183066	+	6.371E-17	1.0194E-15	0.239246	hyper	sig	chr16_3183066
chr5	1.41E+08	141387751	+	6.375E-17	1.0201E-15	0.244012	hyper	sig	chr5_141387751
chr8	56113983	56113983	+	6.379E-17	1.0206E-15	0.310286	hyper	sig	chr8_56113983
chr4	1.76E+08	176001925	+	6.387E-17	1.0219E-15	0.219695	hyper	sig	chr4_176001925
chr12	1.3E+08	130042426	+	6.391E-17	1.0225E-15	0.236381	hyper	sig	chr12_130042426
chr1	75133973	75133973	+	6.396E-17	1.0233E-15	0.219356	hyper	sig	chr1_75133973
chr6	98824090	98824090	+	6.397E-17	1.0234E-15	0.240756	hyper	sig	chr6_98824090
chr17	81472301	81472301	+	6.399E-17	1.0237E-15	0.263967	hyper	sig	chr17_81472301
chr16	84237098	84237098	+	6.399E-17	1.0237E-15	-0.22818	hypo	sig	chr16_84237098
chr22	19756285	19756285	+	6.404E-17	1.0245E-15	0.253963	hyper	sig	chr22_19756285
chr11	64745698	64745698	+	6.406E-17	1.0247E-15	0.210827	hyper	sig	chr11_64745698
chr3	51955753	51955753	+	6.408E-17	1.0251E-15	0.263657	hyper	sig	chr3_51955753
chr7	88759689	88759689	+	6.419E-17	1.0267E-15	0.231093	hyper	sig	chr7_88759689
chr19	48746769	48746769	+	6.421E-17	1.027E-15	0.303255	hyper	sig	chr19_48746769
chr2	2.18E+08	217930010	+	6.421E-17	1.027E-15	0.265944	hyper	sig	chr2_217930010
chr13	78607438	78607438	+	6.424E-17	1.0274E-15	0.325796	hyper	sig	chr13_78607438
chr5	77643702	77643702	+	6.425E-17	1.0276E-15	0.208686	hyper	sig	chr5_77643702
chr16	991035	991035	+	6.427E-17	1.0279E-15	-0.31965	hypo	sig	chr16_991035
chr12	40692932	40692932	+	6.431E-17	1.0285E-15	0.233583	hyper	sig	chr12_40692932
chr9	70043442	70043442	+	6.434E-17	1.029E-15	0.349543	hyper	sig	chr9_70043442
chr15	74132666	74132666	+	6.44E-17	1.0299E-15	0.313537	hyper	sig	chr15_74132666
chr3	1.39E+08	139044901	+	6.443E-17	1.0303E-15	0.246041	hyper	sig	chr3_139044901
chr2	31580807	31580807	+	6.443E-17	1.0304E-15	0.288564	hyper	sig	chr2_31580807
chr11	44309619	44309619	+	6.448E-17	1.0311E-15	0.245548	hyper	sig	chr11_44309619
chr19	51026719	51026719	+	6.451E-17	1.0316E-15	-0.3227	hypo	sig	chr19_51026719
chr7	1.28E+08	127582550	+	6.452E-17	1.0317E-15	0.253924	hyper	sig	chr7_127582550
chr14	54672951	54672951	+	6.457E-17	1.0325E-15	0.255271	hyper	sig	chr14_54672951

chr1	79008098	79008098	+	6.458E-17	1.0325E-15	-0.24247	hypo	sig	chr1_79008098
chr11	65047734	65047734	+	6.461E-17	1.0331E-15	0.281988	hyper	sig	chr11_65047734
chr16	85892529	85892529	+	6.462E-17	1.0332E-15	-0.24959	hypo	sig	chr16_85892529
chr19	41207554	41207554	+	6.467E-17	1.034E-15	0.272689	hyper	sig	chr19_41207554
chr17	77373520	77373520	+	6.47E-17	1.0344E-15	0.281724	hyper	sig	chr17_77373520
chr11	1028356	1028356	+	6.47E-17	1.0344E-15	-0.27024	hypo	sig	chr11_1028356
chr16	66948835	66948835	+	6.472E-17	1.0347E-15	0.272695	hyper	sig	chr16_66948835
chr2	74148353	74148353	+	6.48E-17	1.036E-15	0.255263	hyper	sig	chr2_74148353
chr4	65668538	65668538	+	6.483E-17	1.0364E-15	0.253878	hyper	sig	chr4_65668538
chr13	49215304	49215304	+	6.484E-17	1.0366E-15	-0.25389	hypo	sig	chr13_49215304
chr1	1.74E+08	173669903	+	6.488E-17	1.0372E-15	0.236975	hyper	sig	chr1_173669903
chr11	1.3E+08	130050516	+	6.49E-17	1.0375E-15	0.236081	hyper	sig	chr11_130050516
chr19	17377092	17377092	+	6.49E-17	1.0375E-15	-0.25422	hypo	sig	chr19_17377092
chr5	1295656	1295656	+	6.494E-17	1.038E-15	0.250652	hyper	sig	chr5_1295656
chr7	161969	161969	+	6.498E-17	1.0386E-15	0.295632	hyper	sig	chr7_161969
chr10	1.3E+08	129960485	+	6.498E-17	1.0386E-15	0.304836	hyper	sig	chr10_129960485
chr5	1093580	1093580	+	6.504E-17	1.0396E-15	-0.30534	hypo	sig	chr5_1093580
chr20	40690402	40690402	+	6.507E-17	1.04E-15	0.236761	hyper	sig	chr20_40690402
chr14	55127910	55127910	+	6.51E-17	1.0406E-15	-0.24161	hypo	sig	chr14_55127910
chr15	66714829	66714829	+	6.511E-17	1.0406E-15	0.25793	hyper	sig	chr15_66714829
chr10	2775875	2775875	+	6.512E-17	1.0408E-15	-0.25842	hypo	sig	chr10_2775875
chr13	1.13E+08	113449108	+	6.52E-17	1.0421E-15	-0.26158	hypo	sig	chr13_113449108
chr3	1E+08	100225692	+	6.522E-17	1.0423E-15	-0.23241	hypo	sig	chr3_100225692
chr5	73299869	73299869	+	6.525E-17	1.0428E-15	0.24853	hyper	sig	chr5_73299869
chr10	81505466	81505466	+	6.528E-17	1.0432E-15	-0.29674	hypo	sig	chr10_81505466
chr2	86790969	86790969	+	6.529E-17	1.0434E-15	0.272558	hyper	sig	chr2_86790969
chr5	2708564	2708564	+	6.53E-17	1.0436E-15	-0.24874	hypo	sig	chr5_2708564
chr11	1310495	1310495	+	6.532E-17	1.0438E-15	-0.25532	hypo	sig	chr11_1310495
chr4	1407699	1407699	+	6.535E-17	1.0443E-15	0.428293	hyper	sig	chr4_1407699
chr17	6893800	6893800	+	6.557E-17	1.0477E-15	0.258014	hyper	sig	chr17_6893800
chr2	96527851	96527851	+	6.561E-17	1.0483E-15	0.278372	hyper	sig	chr2_96527851
chr7	47520596	47520596	+	6.563E-17	1.0487E-15	0.269608	hyper	sig	chr7_47520596
chr14	69567684	69567684	+	6.565E-17	1.0489E-15	-0.25728	hypo	sig	chr14_69567684
chr13	1.01E+08	100517629	+	6.569E-17	1.0495E-15	-0.33433	hypo	sig	chr13_100517629
chr14	1.05E+08	104844302	+	6.572E-17	1.05E-15	0.273491	hyper	sig	chr14_104844302
chr12	1.31E+08	130611627	+	6.574E-17	1.0503E-15	-0.27505	hypo	sig	chr12_130611627
chr5	1.41E+08	141388684	+	6.584E-17	1.0519E-15	0.251826	hyper	sig	chr5_141388684
chr16	73093563	73093563	+	6.585E-17	1.052E-15	-0.25088	hypo	sig	chr16_73093563
chr20	36155209	36155209	+	6.585E-17	1.052E-15	0.291364	hyper	sig	chr20_36155209
chr20	51023480	51023480	+	6.585E-17	1.052E-15	0.311706	hyper	sig	chr20_51023480
chr20	56004099	56004099	+	6.587E-17	1.0523E-15	0.296748	hyper	sig	chr20_56004099
chr22	36322768	36322768	+	6.588E-17	1.0524E-15	0.279223	hyper	sig	chr22_36322768
chr2	44944657	44944657	+	6.592E-17	1.0529E-15	0.339374	hyper	sig	chr2_44944657
chr8	1.43E+08	143173420	+	6.594E-17	1.0532E-15	-0.28859	hypo	sig	chr8_143173420
chr6	30690207	30690207	+	6.595E-17	1.0534E-15	0.245008	hyper	sig	chr6_30690207
chr7	1.01E+08	100866559	+	6.597E-17	1.0537E-15	-0.25138	hypo	sig	chr7_100866559
chr2	1.05E+08	104864146	+	6.605E-17	1.0549E-15	0.255445	hyper	sig	chr2_104864146
chr21	44682942	44682942	+	6.609E-17	1.0556E-15	-0.30128	hypo	sig	chr21_44682942
chr19	13025375	13025375	+	6.612E-17	1.056E-15	-0.28538	hypo	sig	chr19_13025375
chr4	54101256	54101256	+	6.614E-17	1.0563E-15	0.279771	hyper	sig	chr4_54101256
chr2	11656863	11656863	+	6.622E-17	1.0575E-15	-0.26948	hypo	sig	chr2_11656863
chr9	1.37E+08	136739788	+	6.633E-17	1.0593E-15	-0.28874	hypo	sig	chr9_136739788
chr10	43790373	43790373	+	6.644E-17	1.061E-15	-0.31483	hypo	sig	chr10_43790373
chr16	29220864	29220864	+	6.644E-17	1.061E-15	0.297136	hyper	sig	chr16_29220864
chr7	1.01E+08	100866504	+	6.645E-17	1.0611E-15	-0.29579	hypo	sig	chr7_100866504
chr17	82876194	82876194	+	6.659E-17	1.0633E-15	-0.24547	hypo	sig	chr17_82876194

chr3	1.47E+08	147388821	+	6.662E-17	1.0637E-15	0.253456	hyper	sig	chr3_147388821
chr9	1.37E+08	136617920	+	6.666E-17	1.0644E-15	-0.27721	hypo	sig	chr9_136617920
chr6	10417407	10417407	+	6.669E-17	1.0648E-15	0.241844	hyper	sig	chr6_10417407
chr22	50040112	50040112	+	6.67E-17	1.0649E-15	-0.27763	hypo	sig	chr22_50040112
chr5	1.35E+08	135027924	+	6.67E-17	1.0649E-15	0.316943	hyper	sig	chr5_135027924
chr3	1.38E+08	137767257	+	6.672E-17	1.0652E-15	0.202443	hyper	sig	chr3_137767257
chr4	1.57E+08	157075934	+	6.672E-17	1.0653E-15	0.308962	hyper	sig	chr4_157075934
chr12	34603425	34603425	+	6.677E-17	1.066E-15	-0.26988	hypo	sig	chr12_34603425
chr4	55794218	55794218	+	6.677E-17	1.066E-15	0.227748	hyper	sig	chr4_55794218
chr6	10422280	10422280	+	6.68E-17	1.0664E-15	0.275105	hyper	sig	chr6_10422280
chr13	20194193	20194193	+	6.685E-17	1.0671E-15	0.210861	hyper	sig	chr13_20194193
chr6	6004176	6004176	+	6.694E-17	1.0686E-15	0.297885	hyper	sig	chr6_6004176
chr7	1.49E+08	149462420	+	6.697E-17	1.069E-15	-0.33881	hypo	sig	chr7_149462420
chr12	54549761	54549761	+	6.704E-17	1.0701E-15	0.203666	hyper	sig	chr12_54549761
chr6	98824068	98824068	+	6.705E-17	1.0703E-15	0.238408	hyper	sig	chr6_98824068
chr16	86568805	86568805	+	6.708E-17	1.0706E-15	0.260665	hyper	sig	chr16_86568805
chr20	21713867	21713867	+	6.713E-17	1.0714E-15	0.288796	hyper	sig	chr20_21713867
chr12	34379223	34379223	+	6.716E-17	1.072E-15	-0.30993	hypo	sig	chr12_34379223
chr14	1.04E+08	104158912	+	6.719E-17	1.0724E-15	-0.28051	hypo	sig	chr14_104158912
chr22	44729357	44729357	+	6.723E-17	1.073E-15	0.292768	hyper	sig	chr22_44729357
chr10	1.33E+08	133164643	+	6.723E-17	1.073E-15	-0.24687	hypo	sig	chr10_133164643
chr1	2.28E+08	228464500	+	6.724E-17	1.0731E-15	0.245877	hyper	sig	chr1_228464500
chr1	2335066	2335066	+	6.726E-17	1.0735E-15	-0.29965	hypo	sig	chr1_2335066
chr2	1.82E+08	181683961	+	6.726E-17	1.0735E-15	0.267327	hyper	sig	chr2_181683961
chr10	23174412	23174412	+	6.733E-17	1.0744E-15	0.221772	hyper	sig	chr10_23174412
chr7	1242422	1242422	+	6.733E-17	1.0744E-15	0.307927	hyper	sig	chr7_1242422
chr7	44327053	44327053	+	6.734E-17	1.0745E-15	-0.25706	hypo	sig	chr7_44327053
chr12	1.15E+08	114687208	+	6.735E-17	1.0746E-15	0.291377	hyper	sig	chr12_114687208
chr17	77389130	77389130	+	6.735E-17	1.0747E-15	0.32577	hyper	sig	chr17_77389130
chr3	49422533	49422533	+	6.736E-17	1.0748E-15	0.233327	hyper	sig	chr3_49422533
chr17	52159100	52159100	+	6.736E-17	1.0749E-15	0.263967	hyper	sig	chr17_52159100
chr4	16573700	16573700	+	6.739E-17	1.0753E-15	-0.2286	hypo	sig	chr4_16573700
chr1	2.44E+08	244198034	+	6.752E-17	1.0773E-15	-0.24145	hypo	sig	chr1_244198034
chr12	49334377	49334377	+	6.76E-17	1.0784E-15	0.28136	hyper	sig	chr12_49334377
chr11	22432758	22432758	+	6.76E-17	1.0784E-15	0.275343	hyper	sig	chr11_22432758
chr20	32052497	32052497	+	6.772E-17	1.0803E-15	0.243296	hyper	sig	chr20_32052497
chr10	95230844	95230844	+	6.773E-17	1.0804E-15	0.314981	hyper	sig	chr10_95230844
chr16	85614687	85614687	+	6.784E-17	1.0822E-15	-0.24937	hypo	sig	chr16_85614687
chr8	1.42E+08	142089811	+	6.785E-17	1.0823E-15	0.222369	hyper	sig	chr8_142089811
chr3	27730320	27730320	+	6.792E-17	1.0834E-15	0.223697	hyper	sig	chr3_27730320
chr2	1.24E+08	124025621	+	6.794E-17	1.0837E-15	0.39926	hyper	sig	chr2_124025621
chr19	56393924	56393924	+	6.8E-17	1.0846E-15	0.2852	hyper	sig	chr19_56393924
chr22	43891580	43891580	+	6.8E-17	1.0846E-15	0.211501	hyper	sig	chr22_43891580
chr7	2614741	2614741	+	6.801E-17	1.0847E-15	-0.30904	hypo	sig	chr7_2614741
chr8	1004552	1004552	+	6.802E-17	1.0849E-15	-0.24207	hypo	sig	chr8_1004552
chr5	1.76E+08	176133541	+	6.805E-17	1.0854E-15	0.235071	hyper	sig	chr5_176133541
chr10	399057	399057	+	6.806E-17	1.0856E-15	0.221013	hyper	sig	chr10_399057
chr17	45583505	45583505	+	6.809E-17	1.086E-15	-0.26652	hypo	sig	chr17_45583505
chr7	1.29E+08	128792177	+	6.816E-17	1.087E-15	0.32971	hyper	sig	chr7_128792177
chr2	95026215	95026215	+	6.816E-17	1.087E-15	0.288836	hyper	sig	chr2_95026215
chr22	49169573	49169573	+	6.816E-17	1.087E-15	-0.31734	hypo	sig	chr22_49169573
chr16	1133663	1133663	+	6.821E-17	1.0877E-15	-0.27891	hypo	sig	chr16_1133663
chr4	1233321	1233321	+	6.821E-17	1.0877E-15	0.26962	hyper	sig	chr4_1233321
chr3	1.23E+08	123352463	+	6.821E-17	1.0877E-15	0.20455	hyper	sig	chr3_123352463
chr7	75395399	75395399	+	6.822E-17	1.0879E-15	0.29728	hyper	sig	chr7_75395399
chr17	7855516	7855516	+	6.824E-17	1.0882E-15	0.350134	hyper	sig	chr17_7855516

chr2	1.19E+08	118842901	+	6.825E-17	1.0882E-15	0.245304	hyper	sig	chr2_118842901
chr9	33524483	33524483	+	6.825E-17	1.0882E-15	0.214195	hyper	sig	chr9_33524483
chr5	1.35E+08	135490088	+	6.825E-17	1.0883E-15	0.267347	hyper	sig	chr5_135490088
chr17	74270497	74270497	+	6.827E-17	1.0886E-15	0.229795	hyper	sig	chr17_74270497
chr8	1.42E+08	141507442	+	6.833E-17	1.0895E-15	-0.24454	hypo	sig	chr8_141507442
chr7	4882302	4882302	+	6.84E-17	1.0907E-15	0.235165	hyper	sig	chr7_4882302
chr13	1.1E+08	110448446	+	6.841E-17	1.0907E-15	-0.24001	hypo	sig	chr13_110448446
chr1	2.47E+08	246697059	+	6.844E-17	1.0912E-15	-0.24871	hypo	sig	chr1_246697059
chr16	29318059	29318059	+	6.849E-17	1.092E-15	-0.23897	hypo	sig	chr16_29318059
chr3	37994352	37994352	+	6.85E-17	1.092E-15	0.240285	hyper	sig	chr3_37994352
chr6	36841071	36841071	+	6.851E-17	1.0923E-15	0.21985	hyper	sig	chr6_36841071
chr1	46485699	46485699	+	6.861E-17	1.0938E-15	0.30032	hyper	sig	chr1_46485699
chr14	77475213	77475213	+	6.869E-17	1.095E-15	-0.29586	hypo	sig	chr14_77475213
chr12	6963564	6963564	+	6.872E-17	1.0954E-15	-0.29634	hypo	sig	chr12_6963564
chr7	1713963	1713963	+	6.873E-17	1.0956E-15	-0.21734	hypo	sig	chr7_1713963
chr4	8591780	8591780	+	6.884E-17	1.0973E-15	-0.26345	hypo	sig	chr4_8591780
chr2	2.07E+08	206642831	+	6.887E-17	1.0978E-15	0.253453	hyper	sig	chr2_206642831
chr1	6026498	6026498	+	6.891E-17	1.0983E-15	-0.32044	hypo	sig	chr1_6026498
chr4	7643874	7643874	+	6.894E-17	1.0989E-15	-0.2522	hypo	sig	chr4_7643874
chr6	27423066	27423066	+	6.895E-17	1.0989E-15	0.274277	hyper	sig	chr6_27423066
chr3	1.82E+08	181720540	+	6.9E-17	1.0997E-15	0.235038	hyper	sig	chr3_181720540
chr12	1.17E+08	117189366	+	6.904E-17	1.1004E-15	0.287688	hyper	sig	chr12_117189366
chr12	30794890	30794890	+	6.913E-17	1.1017E-15	-0.22848	hypo	sig	chr12_30794890
chr20	62667317	62667317	+	6.918E-17	1.1024E-15	-0.25331	hypo	sig	chr20_62667317
chr4	61200709	61200709	+	6.921E-17	1.1029E-15	0.330556	hyper	sig	chr4_61200709
chr4	3242447	3242447	+	6.922E-17	1.103E-15	0.274148	hyper	sig	chr4_3242447
chr14	56811401	56811401	+	6.925E-17	1.1035E-15	0.306285	hyper	sig	chr14_56811401
chr13	1.13E+08	112957086	+	6.926E-17	1.1036E-15	0.246333	hyper	sig	chr13_112957086
chr7	43112623	43112623	+	6.927E-17	1.1038E-15	0.315414	hyper	sig	chr7_43112623
chr14	1.01E+08	101065256	+	6.928E-17	1.104E-15	-0.21103	hypo	sig	chr14_101065256
chr7	35186640	35186640	+	6.929E-17	1.104E-15	0.235528	hyper	sig	chr7_35186640
chr19	54354905	54354905	+	6.929E-17	1.1041E-15	-0.22778	hypo	sig	chr19_54354905
chr7	1.57E+08	157302543	+	6.933E-17	1.1046E-15	-0.22385	hypo	sig	chr7_157302543
chr9	975081	975081	+	6.935E-17	1.1049E-15	0.302281	hyper	sig	chr9_975081
chr15	28832160	28832160	+	6.936E-17	1.105E-15	0.259161	hyper	sig	chr15_28832160
chr11	1.12E+08	111918728	+	6.942E-17	1.106E-15	-0.21906	hypo	sig	chr11_111918728
chr10	1.3E+08	129968140	+	6.945E-17	1.1064E-15	0.272819	hyper	sig	chr10_129968140
chr5	1.79E+08	179060761	+	6.946E-17	1.1065E-15	0.229225	hyper	sig	chr5_179060761
chr19	1908294	1908294	+	6.948E-17	1.1069E-15	-0.24115	hypo	sig	chr19_1908294
chr4	7664572	7664572	+	6.951E-17	1.1073E-15	-0.2659	hypo	sig	chr4_7664572
chr19	49716349	49716349	+	6.951E-17	1.1073E-15	-0.27138	hypo	sig	chr19_49716349
chr17	14304298	14304298	+	6.96E-17	1.1087E-15	0.32125	hyper	sig	chr17_14304298
chr5	88685403	88685403	+	6.965E-17	1.1095E-15	0.283736	hyper	sig	chr5_88685403
chr4	1.54E+08	153759688	+	6.979E-17	1.1117E-15	0.27955	hyper	sig	chr4_153759688
chr16	29184611	29184611	+	6.981E-17	1.112E-15	-0.22924	hypo	sig	chr16_29184611
chr2	96500791	96500791	+	6.982E-17	1.1121E-15	0.337426	hyper	sig	chr2_96500791
chr10	1.32E+08	132203152	+	6.984E-17	1.1125E-15	-0.29497	hypo	sig	chr10_132203152
chr21	42838160	42838160	+	6.987E-17	1.1129E-15	0.246172	hyper	sig	chr21_42838160
chr12	1.32E+08	132275483	+	6.991E-17	1.1134E-15	-0.26719	hypo	sig	chr12_132275483
chr4	44447679	44447679	+	6.993E-17	1.1138E-15	0.244392	hyper	sig	chr4_44447679
chr5	73299947	73299947	+	6.996E-17	1.1142E-15	0.262755	hyper	sig	chr5_73299947
chr1	10649074	10649074	+	6.996E-17	1.1143E-15	0.262413	hyper	sig	chr1_10649074
chr16	19183724	19183724	+	6.998E-17	1.1144E-15	-0.21788	hypo	sig	chr16_19183724
chr12	1.23E+08	123272452	+	6.998E-17	1.1145E-15	0.236947	hyper	sig	chr12_123272452
chr10	665616	665616	+	6.999E-17	1.1145E-15	0.238111	hyper	sig	chr10_665616
chr15	68335066	68335066	+	6.999E-17	1.1146E-15	-0.25228	hypo	sig	chr15_68335066

chr5	88689760	88689760	+	7.013E-17	1.1167E-15	0.278659	hyper	sig	chr5_88689760
chr3	1.47E+08	147423475	+	7.016E-17	1.1172E-15	0.255024	hyper	sig	chr3_147423475
chr13	1.12E+08	112105774	+	7.017E-17	1.1173E-15	0.317551	hyper	sig	chr13_112105774
chr20	56004162	56004162	+	7.022E-17	1.118E-15	0.329116	hyper	sig	chr20_56004162
chr1	2.07E+08	206504377	+	7.033E-17	1.1198E-15	-0.23859	hypo	sig	chr1_206504377
chr3	49550871	49550871	+	7.036E-17	1.1203E-15	-0.30632	hypo	sig	chr3_49550871
chr7	897788	897788	+	7.04E-17	1.1209E-15	0.226123	hyper	sig	chr7_897788
chr11	20163843	20163843	+	7.057E-17	1.1235E-15	0.323448	hyper	sig	chr11_20163843
chr5	77629657	77629657	+	7.061E-17	1.1242E-15	0.200953	hyper	sig	chr5_77629657
chr5	1.29E+08	128537610	+	7.063E-17	1.1244E-15	0.240599	hyper	sig	chr5_128537610
chr5	1.16E+08	115963362	+	7.068E-17	1.1253E-15	0.340458	hyper	sig	chr5_115963362
chr3	19946173	19946173	+	7.069E-17	1.1253E-15	-0.25353	hypo	sig	chr3_19946173
chr2	2.42E+08	241843118	+	7.073E-17	1.126E-15	-0.24188	hypo	sig	chr2_241843118
chr13	1.13E+08	112721502	+	7.078E-17	1.1267E-15	-0.28173	hypo	sig	chr13_112721502
chr3	9552460	9552460	+	7.084E-17	1.1276E-15	0.262455	hyper	sig	chr3_9552460
chr16	54936467	54936467	+	7.084E-17	1.1276E-15	0.210322	hyper	sig	chr16_54936467
chr12	2586882	2586882	+	7.09E-17	1.1286E-15	-0.27776	hypo	sig	chr12_2586882
chr3	42651383	42651383	+	7.093E-17	1.129E-15	0.263944	hyper	sig	chr3_42651383
chr13	26760226	26760226	+	7.096E-17	1.1294E-15	0.26639	hyper	sig	chr13_26760226
chr17	81839217	81839217	+	7.098E-17	1.1297E-15	0.247621	hyper	sig	chr17_81839217
chr9	16829170	16829170	+	7.109E-17	1.1315E-15	0.264699	hyper	sig	chr9_16829170
chr21	42315302	42315302	+	7.115E-17	1.1323E-15	-0.28203	hypo	sig	chr21_42315302
chr13	25300975	25300975	+	7.121E-17	1.1332E-15	0.272199	hyper	sig	chr13_25300975
chr7	1842484	1842484	+	7.123E-17	1.1337E-15	-0.22092	hypo	sig	chr7_1842484
chr16	29148808	29148808	+	7.124E-17	1.1338E-15	-0.27398	hypo	sig	chr16_29148808
chr4	1.76E+08	176001518	+	7.132E-17	1.1351E-15	0.272762	hyper	sig	chr4_176001518
chr13	36432214	36432214	+	7.133E-17	1.1351E-15	0.222696	hyper	sig	chr13_36432214
chr7	986151	986151	+	7.133E-17	1.1351E-15	-0.2013	hypo	sig	chr7_986151
chr12	1.2E+08	120262558	+	7.135E-17	1.1354E-15	-0.28599	hypo	sig	chr12_120262558
chr8	1.43E+08	142510235	+	7.139E-17	1.1361E-15	0.233795	hyper	sig	chr8_142510235
chr10	23172411	23172411	+	7.154E-17	1.1385E-15	0.377652	hyper	sig	chr10_23172411
chr17	2983055	2983055	+	7.159E-17	1.1391E-15	0.24466	hyper	sig	chr17_2983055
chr21	20997620	20997620	+	7.159E-17	1.1392E-15	0.215616	hyper	sig	chr21_20997620
chr12	1.14E+08	114395983	+	7.161E-17	1.1394E-15	0.316284	hyper	sig	chr12_114395983
chr19	45398292	45398292	+	7.166E-17	1.1402E-15	0.261684	hyper	sig	chr19_45398292
chr11	8169119	8169119	+	7.171E-17	1.141E-15	0.213779	hyper	sig	chr11_8169119
chr5	88690237	88690237	+	7.181E-17	1.1426E-15	0.210407	hyper	sig	chr5_88690237
chr11	74725971	74725971	+	7.184E-17	1.143E-15	0.286126	hyper	sig	chr11_74725971
chr17	40191355	40191355	+	7.186E-17	1.1433E-15	0.222627	hyper	sig	chr17_40191355
chr12	54047445	54047445	+	7.192E-17	1.1443E-15	0.282674	hyper	sig	chr12_54047445
chr15	31483232	31483232	+	7.193E-17	1.1444E-15	0.294756	hyper	sig	chr15_31483232
chr8	1.43E+08	142563316	+	7.194E-17	1.1444E-15	-0.25038	hypo	sig	chr8_142563316
chr14	77026406	77026406	+	7.194E-17	1.1446E-15	0.269573	hyper	sig	chr14_77026406
chr1	2.28E+08	228464506	+	7.205E-17	1.1462E-15	0.247666	hyper	sig	chr1_228464506
chr5	3602297	3602297	+	7.21E-17	1.1469E-15	0.326411	hyper	sig	chr5_3602297
chr2	2.4E+08	240031433	+	7.21E-17	1.1469E-15	-0.28933	hypo	sig	chr2_240031433
chr21	36697721	36697721	+	7.214E-17	1.1476E-15	0.270495	hyper	sig	chr21_36697721
chr12	53952080	53952080	+	7.218E-17	1.1482E-15	0.216735	hyper	sig	chr12_53952080
chr6	83524425	83524425	+	7.218E-17	1.1482E-15	0.231283	hyper	sig	chr6_83524425
chr7	54542178	54542178	+	7.225E-17	1.1492E-15	0.215281	hyper	sig	chr7_54542178
chr10	24176871	24176871	+	7.229E-17	1.1497E-15	-0.21683	hypo	sig	chr10_24176871
chr7	64947261	64947261	+	7.229E-17	1.1498E-15	0.256552	hyper	sig	chr7_64947261
chr8	67956284	67956284	+	7.23E-17	1.1499E-15	-0.28415	hypo	sig	chr8_67956284
chr3	1.4E+08	139539816	+	7.238E-17	1.1512E-15	0.21779	hyper	sig	chr3_139539816
chr6	30988953	30988953	+	7.241E-17	1.1516E-15	-0.27122	hypo	sig	chr6_30988953
chr9	1.36E+08	135740275	+	7.245E-17	1.1523E-15	-0.31078	hypo	sig	chr9_135740275

chr7	23471824	23471824	+	7.26E-17	1.1546E-15	-0.20943	hypo	sig	chr7_23471824
chr15	48191782	48191782	+	7.273E-17	1.1566E-15	0.205894	hyper	sig	chr15_48191782
chr17	40191509	40191509	+	7.277E-17	1.1573E-15	0.253944	hyper	sig	chr17_40191509
chr15	45704353	45704353	+	7.28E-17	1.1577E-15	0.246115	hyper	sig	chr15_45704353
chr16	77431318	77431318	+	7.281E-17	1.1578E-15	0.245098	hyper	sig	chr16_77431318
chr1	2.26E+08	225945199	+	7.281E-17	1.1578E-15	-0.37612	hypo	sig	chr1_225945199
chr16	1378615	1378615	+	7.287E-17	1.1587E-15	-0.25081	hypo	sig	chr16_1378615
chr13	78596540	78596540	+	7.294E-17	1.1598E-15	0.355722	hyper	sig	chr13_78596540
chr17	81277455	81277455	+	7.296E-17	1.16E-15	0.306619	hyper	sig	chr17_81277455
chr9	42978413	42978413	+	7.296E-17	1.1601E-15	-0.29408	hypo	sig	chr9_42978413
chr13	1.11E+08	110815903	+	7.3E-17	1.1607E-15	-0.29053	hypo	sig	chr13_110815903
chr4	72031955	72031955	+	7.302E-17	1.161E-15	0.296681	hyper	sig	chr4_72031955
chr16	30090306	30090306	+	7.303E-17	1.1612E-15	-0.29351	hypo	sig	chr16_30090306
chr8	2089884	2089884	+	7.308E-17	1.1618E-15	-0.29031	hypo	sig	chr8_2089884
chr19	16081985	16081985	+	7.319E-17	1.1636E-15	0.299559	hyper	sig	chr19_16081985
chr17	35515255	35515255	+	7.325E-17	1.1645E-15	0.264869	hyper	sig	chr17_35515255
chr21	43720950	43720950	+	7.337E-17	1.1663E-15	-0.2501	hypo	sig	chr21_43720950
chr7	1.48E+08	147803411	+	7.338E-17	1.1666E-15	-0.25529	hypo	sig	chr7_147803411
chr7	1.51E+08	151390640	+	7.35E-17	1.1685E-15	-0.23325	hypo	sig	chr7_151390640
chr15	25863611	25863611	+	7.35E-17	1.1685E-15	0.221373	hyper	sig	chr15_25863611
chr16	88485018	88485018	+	7.354E-17	1.169E-15	-0.24951	hypo	sig	chr16_88485018
chr8	48735593	48735593	+	7.355E-17	1.1691E-15	0.248542	hyper	sig	chr8_48735593
chr2	73291574	73291574	+	7.361E-17	1.1701E-15	0.239733	hyper	sig	chr2_73291574
chr17	21460543	21460543	+	7.389E-17	1.1744E-15	-0.27593	hypo	sig	chr17_21460543
chr7	66505151	66505151	+	7.392E-17	1.1749E-15	-0.2323	hypo	sig	chr7_66505151
chr3	14574658	14574658	+	7.399E-17	1.176E-15	-0.2772	hypo	sig	chr3_14574658
chr1	2.02E+08	201696361	+	7.405E-17	1.1769E-15	0.285998	hyper	sig	chr1_201696361
chr10	612701	612701	+	7.408E-17	1.1774E-15	0.264505	hyper	sig	chr10_612701
chr8	15540128	15540128	+	7.409E-17	1.1775E-15	0.317179	hyper	sig	chr8_15540128
chr9	98709635	98709635	+	7.41E-17	1.1776E-15	0.27598	hyper	sig	chr9_98709635
chr9	34371333	34371333	+	7.418E-17	1.1788E-15	0.351752	hyper	sig	chr9_34371333
chr16	29184680	29184680	+	7.419E-17	1.1789E-15	-0.25993	hypo	sig	chr16_29184680
chr11	1.23E+08	122976532	+	7.421E-17	1.1793E-15	0.346406	hyper	sig	chr11_122976532
chr16	8866317	8866317	+	7.422E-17	1.1795E-15	0.280695	hyper	sig	chr16_8866317
chr12	34375582	34375582	+	7.424E-17	1.1797E-15	-0.33212	hypo	sig	chr12_34375582
chr10	1.32E+08	132296298	+	7.426E-17	1.18E-15	-0.23453	hypo	sig	chr10_132296298
chr10	1.24E+08	123584232	+	7.428E-17	1.1803E-15	0.228161	hyper	sig	chr10_123584232
chr19	2037699	2037699	+	7.431E-17	1.1807E-15	0.247606	hyper	sig	chr19_2037699
chr7	8441828	8441828	+	7.431E-17	1.1807E-15	0.341573	hyper	sig	chr7_8441828
chr5	1.35E+08	135039178	+	7.432E-17	1.1809E-15	0.304603	hyper	sig	chr5_135039178
chr16	54932803	54932803	+	7.434E-17	1.1811E-15	0.447519	hyper	sig	chr16_54932803
chr8	64587267	64587267	+	7.437E-17	1.1816E-15	0.271458	hyper	sig	chr8_64587267
chr17	48750141	48750141	+	7.438E-17	1.1817E-15	0.239902	hyper	sig	chr17_48750141
chr5	3301507	3301507	+	7.44E-17	1.182E-15	-0.32194	hypo	sig	chr5_3301507
chr17	50781428	50781428	+	7.441E-17	1.1821E-15	0.269104	hyper	sig	chr17_50781428
chr19	372064	372064	+	7.443E-17	1.1825E-15	-0.23584	hypo	sig	chr19_372064
chr2	73983733	73983733	+	7.444E-17	1.1826E-15	-0.23291	hypo	sig	chr2_73983733
chr18	79650245	79650245	+	7.452E-17	1.1839E-15	-0.27191	hypo	sig	chr18_79650245
chr18	57145836	57145836	+	7.455E-17	1.1843E-15	-0.25852	hypo	sig	chr18_57145836
chr1	1.53E+08	152797791	+	7.463E-17	1.1855E-15	-0.21961	hypo	sig	chr1_152797791
chr6	1.7E+08	170152743	+	7.465E-17	1.1858E-15	-0.28223	hypo	sig	chr6_170152743
chr6	43285678	43285678	+	7.468E-17	1.1862E-15	0.378474	hyper	sig	chr6_43285678
chr2	1.28E+08	127673868	+	7.472E-17	1.1869E-15	0.322954	hyper	sig	chr2_127673868
chr20	21705626	21705626	+	7.475E-17	1.1873E-15	0.306771	hyper	sig	chr20_21705626
chr3	1.12E+08	112185997	+	7.483E-17	1.1886E-15	0.236521	hyper	sig	chr3_112185997
chr8	48469769	48469769	+	7.5E-17	1.1912E-15	-0.28877	hypo	sig	chr8_48469769

chr22	49671214	49671214	+	7.505E-17	1.192E-15	0.240109	hyper	sig	chr22_49671214
chr19	51166994	51166994	+	7.509E-17	1.1926E-15	-0.2168	hypo	sig	chr19_51166994
chr16	1195593	1195593	+	7.512E-17	1.193E-15	-0.44009	hypo	sig	chr16_1195593
chr10	27413638	27413638	+	7.523E-17	1.1948E-15	0.304313	hyper	sig	chr10_27413638
chr4	7647890	7647890	+	7.525E-17	1.195E-15	-0.25061	hypo	sig	chr4_7647890
chr4	7285990	7285990	+	7.526E-17	1.1951E-15	0.287563	hyper	sig	chr4_7285990
chr4	1404347	1404347	+	7.527E-17	1.1952E-15	0.311312	hyper	sig	chr4_1404347
chr19	23075710	23075710	+	7.53E-17	1.1956E-15	0.236749	hyper	sig	chr19_23075710
chr7	35253466	35253466	+	7.534E-17	1.1963E-15	0.201383	hyper	sig	chr7_35253466
chr5	1.36E+08	135930251	+	7.538E-17	1.1969E-15	0.252422	hyper	sig	chr5_135930251
chr13	1.13E+08	112638450	+	7.542E-17	1.1975E-15	-0.29686	hypo	sig	chr13_112638450
chr8	54457880	54457880	+	7.549E-17	1.1985E-15	0.289662	hyper	sig	chr8_54457880
chr11	92225983	92225983	+	7.553E-17	1.1993E-15	0.294476	hyper	sig	chr11_92225983
chr11	1310506	1310506	+	7.557E-17	1.1998E-15	-0.25087	hypo	sig	chr11_1310506
chr12	63822179	63822179	+	7.567E-17	1.2013E-15	0.299298	hyper	sig	chr12_63822179
chr7	27147410	27147410	+	7.568E-17	1.2015E-15	0.242258	hyper	sig	chr7_27147410
chr1	2274036	2274036	+	7.573E-17	1.2022E-15	0.284369	hyper	sig	chr1_2274036
chr3	9552475	9552475	+	7.574E-17	1.2024E-15	0.258017	hyper	sig	chr3_9552475
chr12	70920678	70920678	+	7.577E-17	1.2028E-15	0.291816	hyper	sig	chr12_70920678
chr1	1.8E+08	179808177	+	7.578E-17	1.203E-15	-0.35141	hypo	sig	chr1_179808177
chr19	21463713	21463713	+	7.582E-17	1.2035E-15	0.285708	hyper	sig	chr19_21463713
chr7	98869340	98869340	+	7.591E-17	1.205E-15	0.291897	hyper	sig	chr7_98869340
chr3	27724566	27724566	+	7.602E-17	1.2067E-15	0.315749	hyper	sig	chr3_27724566
chr15	25236392	25236392	+	7.607E-17	1.2075E-15	-0.26559	hypo	sig	chr15_25236392
chr16	86497206	86497206	+	7.608E-17	1.2076E-15	0.280776	hyper	sig	chr16_86497206
chr20	62350123	62350123	+	7.616E-17	1.2089E-15	-0.27031	hypo	sig	chr20_62350123
chr6	33899450	33899450	+	7.618E-17	1.2091E-15	-0.25417	hypo	sig	chr6_33899450
chr19	36245395	36245395	+	7.621E-17	1.2096E-15	0.306339	hyper	sig	chr19_36245395
chr13	52847558	52847558	+	7.629E-17	1.2109E-15	0.296639	hyper	sig	chr13_52847558
chr1	90711014	90711014	+	7.64E-17	1.2125E-15	0.204216	hyper	sig	chr1_90711014
chr8	71558955	71558955	+	7.649E-17	1.214E-15	0.282279	hyper	sig	chr8_71558955
chr6	5995751	5995751	+	7.652E-17	1.2144E-15	0.286181	hyper	sig	chr6_5995751
chr11	1036919	1036919	+	7.659E-17	1.2154E-15	-0.25906	hypo	sig	chr11_1036919
chr19	37467712	37467712	+	7.66E-17	1.2156E-15	0.263948	hyper	sig	chr19_37467712
chr8	24957625	24957625	+	7.66E-17	1.2156E-15	0.238549	hyper	sig	chr8_24957625
chr19	49132996	49132996	+	7.669E-17	1.2169E-15	0.321042	hyper	sig	chr19_49132996
chr19	15723119	15723119	+	7.671E-17	1.2173E-15	0.265657	hyper	sig	chr19_15723119
chr2	37659899	37659899	+	7.677E-17	1.2181E-15	0.212572	hyper	sig	chr2_37659899
chr3	1.47E+08	147411344	+	7.679E-17	1.2184E-15	0.256983	hyper	sig	chr3_147411344
chr6	1.61E+08	160519288	+	7.69E-17	1.2202E-15	-0.25667	hypo	sig	chr6_160519288
chr5	71719618	71719618	+	7.692E-17	1.2204E-15	0.295676	hyper	sig	chr5_71719618
chr10	1.33E+08	132520790	+	7.694E-17	1.2207E-15	0.260402	hyper	sig	chr10_132520790
chr5	31855274	31855274	+	7.694E-17	1.2207E-15	0.249094	hyper	sig	chr5_31855274
chr21	33024191	33024191	+	7.696E-17	1.221E-15	0.298622	hyper	sig	chr21_33024191
chr5	1.29E+08	128537604	+	7.699E-17	1.2215E-15	0.252228	hyper	sig	chr5_128537604
chr1	22451341	22451341	+	7.7E-17	1.2215E-15	-0.23805	hypo	sig	chr1_22451341
chr7	1.01E+08	101299779	+	7.702E-17	1.222E-15	0.246527	hyper	sig	chr7_101299779
chr1	1165089	1165089	+	7.703E-17	1.2221E-15	-0.22057	hypo	sig	chr1_1165089
chr2	63056681	63056681	+	7.705E-17	1.2223E-15	0.319744	hyper	sig	chr2_63056681
chr16	70451126	70451126	+	7.711E-17	1.2232E-15	0.265799	hyper	sig	chr16_70451126
chr2	2.4E+08	240030697	+	7.711E-17	1.2232E-15	-0.30646	hypo	sig	chr2_240030697
chr7	1.55E+08	155454511	+	7.721E-17	1.2247E-15	0.246434	hyper	sig	chr7_155454511
chr2	1.09E+08	109172332	+	7.721E-17	1.2248E-15	0.282465	hyper	sig	chr2_109172332
chr2	10331294	10331294	+	7.726E-17	1.2255E-15	-0.33205	hypo	sig	chr2_10331294
chr20	31825850	31825850	+	7.736E-17	1.227E-15	-0.25991	hypo	sig	chr20_31825850
chr9	69321775	69321775	+	7.741E-17	1.2277E-15	-0.28794	hypo	sig	chr9_69321775

chr11	71339453	71339453	+	7.747E-17	1.2286E-15	0.261052	hyper	sig	chr11_71339453
chr7	27158107	27158107	+	7.747E-17	1.2287E-15	-0.25892	hypo	sig	chr7_27158107
chr7	6707406	6707406	+	7.748E-17	1.2287E-15	0.265582	hyper	sig	chr7_6707406
chr20	21020537	21020537	+	7.753E-17	1.2296E-15	0.289316	hyper	sig	chr20_21020537
chr17	46850932	46850932	+	7.763E-17	1.2311E-15	0.286053	hyper	sig	chr17_46850932
chr21	26967850	26967850	+	7.768E-17	1.2318E-15	0.228425	hyper	sig	chr21_26967850
chr13	78596788	78596788	+	7.774E-17	1.2328E-15	0.267255	hyper	sig	chr13_78596788
chr16	67163816	67163816	+	7.775E-17	1.2329E-15	0.304433	hyper	sig	chr16_67163816
chr9	1.22E+08	122227129	+	7.778E-17	1.2333E-15	0.338318	hyper	sig	chr9_122227129
chr13	27976094	27976094	+	7.78E-17	1.2337E-15	0.309134	hyper	sig	chr13_27976094
chr14	1.05E+08	104844162	+	7.783E-17	1.2342E-15	0.214252	hyper	sig	chr14_104844162
chr2	1.15E+08	115162373	+	7.794E-17	1.2359E-15	0.256048	hyper	sig	chr2_115162373
chr8	1.44E+08	143718798	+	7.795E-17	1.236E-15	-0.34271	hypo	sig	chr8_143718798
chr5	1.77E+08	177484806	+	7.797E-17	1.2363E-15	0.248932	hyper	sig	chr5_177484806
chr10	27745120	27745120	+	7.798E-17	1.2365E-15	0.272469	hyper	sig	chr10_27745120
chr17	14310433	14310433	+	7.804E-17	1.2373E-15	0.322256	hyper	sig	chr17_14310433
chr12	57869378	57869378	+	7.804E-17	1.2373E-15	0.300704	hyper	sig	chr12_57869378
chr4	3689592	3689592	+	7.805E-17	1.2374E-15	-0.24352	hypo	sig	chr4_3689592
chr11	18209252	18209252	+	7.806E-17	1.2376E-15	0.317081	hyper	sig	chr11_18209252
chr11	3218757	3218757	+	7.812E-17	1.2385E-15	-0.24181	hypo	sig	chr11_3218757
chr19	21851607	21851607	+	7.815E-17	1.2388E-15	0.214547	hyper	sig	chr19_21851607
chr16	84507489	84507489	+	7.819E-17	1.2395E-15	-0.26732	hypo	sig	chr16_84507489
chr2	2.33E+08	232634016	+	7.82E-17	1.2397E-15	0.253962	hyper	sig	chr2_232634016
chr4	8591938	8591938	+	7.822E-17	1.2399E-15	-0.29719	hypo	sig	chr4_8591938
chr18	57441620	57441620	+	7.828E-17	1.2408E-15	0.200785	hyper	sig	chr18_57441620
chr2	2.32E+08	232409799	+	7.828E-17	1.2408E-15	0.329497	hyper	sig	chr2_232409799
chr19	19514509	19514509	+	7.834E-17	1.2418E-15	0.281491	hyper	sig	chr19_19514509
chr1	36176236	36176236	+	7.835E-17	1.2418E-15	0.289456	hyper	sig	chr1_36176236
chr15	84600002	84600002	+	7.836E-17	1.242E-15	-0.28243	hypo	sig	chr15_84600002
chr10	49397112	49397112	+	7.836E-17	1.242E-15	0.26594	hyper	sig	chr10_49397112
chr4	1.5E+08	150256865	+	7.839E-17	1.2425E-15	-0.26701	hypo	sig	chr4_150256865
chr10	79178875	79178875	+	7.843E-17	1.2431E-15	0.25296	hyper	sig	chr10_79178875
chr11	65607608	65607608	+	7.851E-17	1.2443E-15	0.259388	hyper	sig	chr11_65607608
chr1	1.11E+08	110604442	+	7.859E-17	1.2455E-15	-0.31352	hypo	sig	chr1_110604442
chr8	48923477	48923477	+	7.859E-17	1.2456E-15	-0.35652	hypo	sig	chr8_48923477
chr5	1.39E+08	139393594	+	7.862E-17	1.246E-15	0.247748	hyper	sig	chr5_139393594
chr6	26743110	26743110	+	7.864E-17	1.2462E-15	0.345591	hyper	sig	chr6_26743110
chr5	1.41E+08	141399851	+	7.864E-17	1.2463E-15	0.268728	hyper	sig	chr5_141399851
chr17	4901125	4901125	+	7.87E-17	1.2471E-15	0.277572	hyper	sig	chr17_4901125
chr2	98346683	98346683	+	7.871E-17	1.2472E-15	0.31997	hyper	sig	chr2_98346683
chr7	1.28E+08	128241286	+	7.871E-17	1.2472E-15	0.361497	hyper	sig	chr7_128241286
chr16	48812320	48812320	+	7.882E-17	1.249E-15	-0.27264	hypo	sig	chr16_48812320
chr10	86364858	86364858	+	7.89E-17	1.2503E-15	0.244034	hyper	sig	chr10_86364858
chr21	36710849	36710849	+	7.893E-17	1.2506E-15	0.266088	hyper	sig	chr21_36710849
chr3	26622936	26622936	+	7.893E-17	1.2507E-15	0.25403	hyper	sig	chr3_26622936
chr9	96217631	96217631	+	7.903E-17	1.2522E-15	0.301095	hyper	sig	chr9_96217631
chr5	1.75E+08	175445096	+	7.904E-17	1.2523E-15	0.321302	hyper	sig	chr5_175445096
chr2	68319878	68319878	+	7.905E-17	1.2525E-15	0.351995	hyper	sig	chr2_68319878
chr2	96762192	96762192	+	7.909E-17	1.253E-15	-0.23683	hypo	sig	chr2_96762192
chr7	1.5E+08	149765781	+	7.914E-17	1.2538E-15	0.312153	hyper	sig	chr7_149765781
chr2	38073740	38073740	+	7.916E-17	1.254E-15	0.305546	hyper	sig	chr2_38073740
chr12	1.03E+08	102950786	+	7.916E-17	1.2542E-15	0.23332	hyper	sig	chr12_102950786
chr9	1.31E+08	130919151	+	7.92E-17	1.2547E-15	-0.25687	hypo	sig	chr9_130919151
chr2	1655900	1655900	+	7.926E-17	1.2556E-15	-0.30274	hypo	sig	chr2_1655900
chr13	20134749	20134749	+	7.928E-17	1.2559E-15	-0.29942	hypo	sig	chr13_20134749
chr17	49963942	49963942	+	7.932E-17	1.2565E-15	0.396338	hyper	sig	chr17_49963942

chr11	2271844	2271844	+	7.932E-17	1.2565E-15	0.282941	hyper	sig	chr11_2271844
chr10	1.33E+08	132920190	+	7.939E-17	1.2576E-15	-0.36825	hypo	sig	chr10_132920190
chr12	1.13E+08	113479842	+	7.939E-17	1.2576E-15	0.285055	hyper	sig	chr12_113479842
chr5	1395238	1395238	+	7.943E-17	1.2581E-15	0.260529	hyper	sig	chr5_1395238
chr16	67162851	67162851	+	7.943E-17	1.2582E-15	0.257876	hyper	sig	chr16_67162851
chr7	97843147	97843147	+	7.945E-17	1.2585E-15	-0.20804	hypo	sig	chr7_97843147
chr7	2567186	2567186	+	7.946E-17	1.2585E-15	0.264792	hyper	sig	chr7_2567186
chr13	99991963	99991963	+	7.95E-17	1.2591E-15	0.258106	hyper	sig	chr13_99991963
chr13	37105223	37105223	+	7.957E-17	1.2602E-15	-0.24719	hypo	sig	chr13_37105223
chr3	29702923	29702923	+	7.957E-17	1.2603E-15	-0.26601	hypo	sig	chr3_29702923
chr5	1931273	1931273	+	7.959E-17	1.2605E-15	0.228863	hyper	sig	chr5_1931273
chr3	1.33E+08	133038418	+	7.96E-17	1.2607E-15	0.291045	hyper	sig	chr3_133038418
chr6	28786151	28786151	+	7.968E-17	1.2619E-15	0.296592	hyper	sig	chr6_28786151
chr2	2.32E+08	232381726	+	7.976E-17	1.2631E-15	0.219492	hyper	sig	chr2_232381726
chr9	37026797	37026797	+	7.977E-17	1.2633E-15	0.322238	hyper	sig	chr9_37026797
chr11	86195292	86195292	+	7.978E-17	1.2634E-15	-0.22089	hypo	sig	chr11_86195292
chr21	45286892	45286892	+	7.978E-17	1.2634E-15	0.273988	hyper	sig	chr21_45286892
chr6	73263405	73263405	+	7.979E-17	1.2635E-15	0.205237	hyper	sig	chr6_73263405
chr8	90791476	90791476	+	7.982E-17	1.2639E-15	0.328818	hyper	sig	chr8_90791476
chr2	1.63E+08	162838692	+	7.983E-17	1.2641E-15	0.305986	hyper	sig	chr2_162838692
chr10	1.32E+08	132274666	+	7.995E-17	1.2659E-15	-0.21955	hypo	sig	chr10_132274666
chr19	35352232	35352232	+	7.995E-17	1.2659E-15	-0.29921	hypo	sig	chr19_35352232
chr13	94704762	94704762	+	7.998E-17	1.2663E-15	0.286066	hyper	sig	chr13_94704762
chr4	41751268	41751268	+	8.002E-17	1.2669E-15	0.248704	hyper	sig	chr4_41751268
chr2	2.4E+08	240351259	+	8.011E-17	1.2683E-15	0.296092	hyper	sig	chr2_240351259
chr10	1.33E+08	132848749	+	8.012E-17	1.2685E-15	-0.29848	hypo	sig	chr10_132848749
chr20	21105746	21105746	+	8.015E-17	1.2689E-15	0.359375	hyper	sig	chr20_21105746
chr11	3223211	3223211	+	8.021E-17	1.2699E-15	-0.24352	hypo	sig	chr11_3223211
chr1	47433560	47433560	+	8.024E-17	1.2703E-15	0.33036	hyper	sig	chr1_47433560
chr5	1.41E+08	141409728	+	8.025E-17	1.2704E-15	0.278799	hyper	sig	chr5_141409728
chr12	9449640	9449640	+	8.026E-17	1.2705E-15	0.271012	hyper	sig	chr12_9449640
chr6	3160292	3160292	+	8.033E-17	1.2715E-15	-0.27832	hypo	sig	chr6_3160292
chr20	9507241	9507241	+	8.037E-17	1.2722E-15	0.312586	hyper	sig	chr20_9507241
chr20	56625459	56625459	+	8.041E-17	1.2729E-15	0.312018	hyper	sig	chr20_56625459
chr17	77373509	77373509	+	8.042E-17	1.273E-15	0.257112	hyper	sig	chr17_77373509
chr3	1.58E+08	158095628	+	8.044E-17	1.2732E-15	0.27206	hyper	sig	chr3_158095628
chr1	50425537	50425537	+	8.047E-17	1.2736E-15	0.303769	hyper	sig	chr1_50425537
chr2	86223042	86223042	+	8.05E-17	1.2741E-15	0.269438	hyper	sig	chr2_86223042
chr15	95326727	95326727	+	8.052E-17	1.2744E-15	0.27607	hyper	sig	chr15_95326727
chr15	83284015	83284015	+	8.057E-17	1.2752E-15	0.299307	hyper	sig	chr15_83284015
chr6	28862240	28862240	+	8.063E-17	1.276E-15	-0.2639	hypo	sig	chr6_28862240
chr5	88685371	88685371	+	8.08E-17	1.2788E-15	0.239355	hyper	sig	chr5_88685371
chr12	1.3E+08	130161586	+	8.083E-17	1.2792E-15	0.202432	hyper	sig	chr12_130161586
chr13	1.1E+08	110308041	+	8.088E-17	1.28E-15	0.294069	hyper	sig	chr13_110308041
chr7	1.59E+08	159003037	+	8.091E-17	1.2805E-15	-0.2425	hypo	sig	chr7_159003037
chr19	36421896	36421896	+	8.096E-17	1.2812E-15	0.291513	hyper	sig	chr19_36421896
chr17	8057125	8057125	+	8.113E-17	1.2838E-15	-0.26694	hypo	sig	chr17_8057125
chr20	25058721	25058721	+	8.125E-17	1.2857E-15	0.260759	hyper	sig	chr20_25058721
chr16	31148599	31148599	+	8.133E-17	1.2869E-15	0.215394	hyper	sig	chr16_31148599
chr10	1469082	1469082	+	8.141E-17	1.2882E-15	-0.2559	hypo	sig	chr10_1469082
chr11	94401855	94401855	+	8.145E-17	1.2887E-15	0.295479	hyper	sig	chr11_94401855
chr10	1.33E+08	132834601	+	8.145E-17	1.2887E-15	-0.22514	hypo	sig	chr10_132834601
chr19	34832876	34832876	+	8.157E-17	1.2906E-15	0.23471	hyper	sig	chr19_34832876
chr4	95547827	95547827	+	8.165E-17	1.2918E-15	0.259645	hyper	sig	chr4_95547827
chr15	74133226	74133226	+	8.165E-17	1.2918E-15	0.314979	hyper	sig	chr15_74133226
chr1	26863839	26863839	+	8.166E-17	1.2919E-15	-0.28857	hypo	sig	chr1_26863839

chr7	23904988	23904988	+	8.175E-17	1.2934E-15	-0.22488	hypo	sig	chr7_23904988
chr1	1.09E+08	108559590	+	8.184E-17	1.2947E-15	-0.24738	hypo	sig	chr1_108559590
chr7	170637	170637	+	8.199E-17	1.2971E-15	-0.26811	hypo	sig	chr7_170637
chr6	33072758	33072758	+	8.202E-17	1.2975E-15	-0.22997	hypo	sig	chr6_33072758
chr8	26052085	26052085	+	8.203E-17	1.2975E-15	0.247791	hyper	sig	chr8_26052085
chr20	56359926	56359926	+	8.203E-17	1.2976E-15	0.275682	hyper	sig	chr20_56359926
chr10	23192665	23192665	+	8.208E-17	1.2983E-15	0.306495	hyper	sig	chr10_23192665
chr11	2135231	2135231	+	8.208E-17	1.2983E-15	-0.25489	hypo	sig	chr11_2135231
chr5	1.41E+08	141236768	+	8.216E-17	1.2995E-15	0.272641	hyper	sig	chr5_141236768
chr20	17227503	17227503	+	8.219E-17	1.2999E-15	0.263977	hyper	sig	chr20_17227503
chr10	49397667	49397667	+	8.22E-17	1.3001E-15	0.294644	hyper	sig	chr10_49397667
chr17	48543051	48543051	+	8.22E-17	1.3001E-15	0.20711	hyper	sig	chr17_48543051
chr4	1.72E+08	171813541	+	8.222E-17	1.3004E-15	0.294461	hyper	sig	chr4_171813541
chr12	49342030	49342030	+	8.227E-17	1.3011E-15	0.35624	hyper	sig	chr12_49342030
chr11	2807019	2807019	+	8.231E-17	1.3018E-15	0.263693	hyper	sig	chr11_2807019
chr5	1.41E+08	141423118	+	8.232E-17	1.3019E-15	0.27222	hyper	sig	chr5_141423118
chr10	1.3E+08	129841715	+	8.233E-17	1.302E-15	-0.28528	hypo	sig	chr10_129841715
chr8	1.08E+08	108081222	+	8.236E-17	1.3025E-15	0.287583	hyper	sig	chr8_108081222
chr10	1.01E+08	101146797	+	8.237E-17	1.3026E-15	0.224601	hyper	sig	chr10_101146797
chr8	1062445	1062445	+	8.242E-17	1.3033E-15	0.234923	hyper	sig	chr8_1062445
chr17	78324855	78324855	+	8.244E-17	1.3037E-15	0.260061	hyper	sig	chr17_78324855
chr21	29298139	29298139	+	8.246E-17	1.3039E-15	-0.22088	hypo	sig	chr21_29298139
chr2	2.42E+08	241897538	+	8.248E-17	1.3041E-15	-0.23006	hypo	sig	chr2_241897538
chr11	1.29E+08	128694297	+	8.25E-17	1.3045E-15	0.362055	hyper	sig	chr11_128694297
chr17	7260280	7260280	+	8.256E-17	1.3054E-15	-0.28953	hypo	sig	chr17_7260280
chr7	4709513	4709513	+	8.259E-17	1.3058E-15	0.349419	hyper	sig	chr7_4709513
chr8	1.43E+08	143391433	+	8.263E-17	1.3065E-15	-0.25182	hypo	sig	chr8_143391433
chr1	38578468	38578468	+	8.267E-17	1.307E-15	0.256708	hyper	sig	chr1_38578468
chr16	88100799	88100799	+	8.27E-17	1.3075E-15	0.260289	hyper	sig	chr16_88100799
chr14	56811405	56811405	+	8.272E-17	1.3078E-15	0.254779	hyper	sig	chr14_56811405
chr6	13372370	13372370	+	8.273E-17	1.3079E-15	0.248077	hyper	sig	chr6_13372370
chr8	1.42E+08	141903331	+	8.274E-17	1.3081E-15	-0.32109	hypo	sig	chr8_141903331
chr10	7411465	7411465	+	8.275E-17	1.3082E-15	0.217412	hyper	sig	chr10_7411465
chr16	89949612	89949612	+	8.278E-17	1.3087E-15	0.256533	hyper	sig	chr16_89949612
chr16	88280401	88280401	+	8.281E-17	1.3091E-15	0.290577	hyper	sig	chr16_88280401
chr7	590814	590814	+	8.282E-17	1.3092E-15	0.278992	hyper	sig	chr7_590814
chr8	55939694	55939694	+	8.284E-17	1.3094E-15	0.235368	hyper	sig	chr8_55939694
chr11	69086756	69086756	+	8.284E-17	1.3095E-15	0.311606	hyper	sig	chr11_69086756
chr2	2.07E+08	206642309	+	8.286E-17	1.3098E-15	0.314239	hyper	sig	chr2_206642309
chr4	61200695	61200695	+	8.286E-17	1.3098E-15	0.331948	hyper	sig	chr4_61200695
chr10	3750091	3750091	+	8.291E-17	1.3105E-15	0.23139	hyper	sig	chr10_3750091
chr5	1.41E+08	141339658	+	8.292E-17	1.3106E-15	0.259259	hyper	sig	chr5_141339658
chr17	48551410	48551410	+	8.294E-17	1.3109E-15	0.269495	hyper	sig	chr17_48551410
chr16	81493632	81493632	+	8.295E-17	1.311E-15	-0.22976	hypo	sig	chr16_81493632
chr8	1.42E+08	141903281	+	8.296E-17	1.3112E-15	-0.28005	hypo	sig	chr8_141903281
chr7	1.57E+08	157462483	+	8.301E-17	1.3118E-15	-0.31761	hypo	sig	chr7_157462483
chr17	44558371	44558371	+	8.302E-17	1.3121E-15	0.3	hyper	sig	chr17_44558371
chr3	1.19E+08	119464056	+	8.306E-17	1.3126E-15	-0.22506	hypo	sig	chr3_119464056
chr4	1.76E+08	176001855	+	8.31E-17	1.3132E-15	0.20823	hyper	sig	chr4_176001855
chr5	1106956	1106956	+	8.312E-17	1.3135E-15	-0.31384	hypo	sig	chr5_1106956
chr2	2.41E+08	241198993	+	8.331E-17	1.3164E-15	-0.22137	hypo	sig	chr2_241198993
chr3	27731324	27731324	+	8.332E-17	1.3166E-15	0.299323	hyper	sig	chr3_27731324
chr1	919393	919393	+	8.333E-17	1.3167E-15	-0.31493	hypo	sig	chr1_919393
chr8	54467604	54467604	+	8.338E-17	1.3175E-15	0.313587	hyper	sig	chr8_54467604
chr13	1.12E+08	112063505	+	8.339E-17	1.3176E-15	0.403281	hyper	sig	chr13_112063505
chr17	81135919	81135919	+	8.34E-17	1.3178E-15	-0.24672	hypo	sig	chr17_81135919

chr6	30646552	30646552	+	8.342E-17	1.3181E-15	0.275127	hyper	sig	chr6_30646552
chr11	71406758	71406758	+	8.343E-17	1.3182E-15	-0.2579	hypo	sig	chr11_71406758
chr13	99997800	99997800	+	8.344E-17	1.3183E-15	0.324518	hyper	sig	chr13_99997800
chr8	19682743	19682743	+	8.35E-17	1.3192E-15	-0.26947	hypo	sig	chr8_19682743
chr11	79438916	79438916	+	8.354E-17	1.3199E-15	0.246614	hyper	sig	chr11_79438916
chr1	2.29E+08	228501340	+	8.36E-17	1.3208E-15	-0.24486	hypo	sig	chr1_228501340
chr10	1.3E+08	129899083	+	8.361E-17	1.321E-15	0.253551	hyper	sig	chr10_129899083
chr3	1.72E+08	172450075	+	8.37E-17	1.3223E-15	0.327571	hyper	sig	chr3_172450075
chr19	33622498	33622498	+	8.384E-17	1.3245E-15	0.27491	hyper	sig	chr19_33622498
chr6	30172115	30172115	+	8.384E-17	1.3245E-15	0.286232	hyper	sig	chr6_30172115
chr2	1.31E+08	130916874	+	8.395E-17	1.3262E-15	-0.27882	hypo	sig	chr2_130916874
chr7	838430	838430	+	8.398E-17	1.3266E-15	0.238848	hyper	sig	chr7_838430
chr12	49903772	49903772	+	8.4E-17	1.3268E-15	0.285461	hyper	sig	chr12_49903772
chr2	2.03E+08	203237794	+	8.408E-17	1.3282E-15	0.220395	hyper	sig	chr2_203237794
chr10	7411985	7411985	+	8.411E-17	1.3285E-15	0.361729	hyper	sig	chr10_7411985
chr7	38976328	38976328	+	8.412E-17	1.3288E-15	0.28847	hyper	sig	chr7_38976328
chr20	10218713	10218713	+	8.422E-17	1.3302E-15	0.233331	hyper	sig	chr20_10218713
chr8	13566571	13566571	+	8.422E-17	1.3303E-15	0.221642	hyper	sig	chr8_13566571
chr5	481534	481534	+	8.424E-17	1.3306E-15	-0.24421	hypo	sig	chr5_481534
chr1	1354362	1354362	+	8.425E-17	1.3306E-15	-0.34363	hypo	sig	chr1_1354362
chr17	64969397	64969397	+	8.428E-17	1.3311E-15	-0.2182	hypo	sig	chr17_64969397
chr11	12687061	12687061	+	8.428E-17	1.3311E-15	-0.23803	hypo	sig	chr11_12687061
chr6	28770167	28770167	+	8.431E-17	1.3314E-15	0.272467	hyper	sig	chr6_28770167
chr8	96160781	96160781	+	8.434E-17	1.3319E-15	0.230776	hyper	sig	chr8_96160781
chr5	1.59E+08	159100697	+	8.435E-17	1.3321E-15	0.228066	hyper	sig	chr5_159100697
chr10	1.3E+08	129969662	+	8.436E-17	1.3322E-15	0.252614	hyper	sig	chr10_129969662
chr7	1.56E+08	155806306	+	8.447E-17	1.3339E-15	0.294284	hyper	sig	chr7_155806306
chr20	44355852	44355852	+	8.454E-17	1.335E-15	-0.29857	hypo	sig	chr20_44355852
chr9	97855435	97855435	+	8.46E-17	1.3359E-15	0.276513	hyper	sig	chr9_97855435
chr11	20158921	20158921	+	8.475E-17	1.3383E-15	0.240456	hyper	sig	chr11_20158921
chr7	1.59E+08	159022814	+	8.476E-17	1.3383E-15	-0.33103	hypo	sig	chr7_159022814
chr8	54466665	54466665	+	8.478E-17	1.3386E-15	0.270872	hyper	sig	chr8_54466665
chr1	1.75E+08	175400797	+	8.479E-17	1.3388E-15	-0.25368	hypo	sig	chr1_175400797
chr18	46676301	46676301	+	8.487E-17	1.3401E-15	-0.37821	hypo	sig	chr18_46676301
chr6	30071233	30071233	+	8.505E-17	1.3427E-15	0.315575	hyper	sig	chr6_30071233
chr2	5696107	5696107	+	8.508E-17	1.3432E-15	0.257954	hyper	sig	chr2_5696107
chr15	26970871	26970871	+	8.512E-17	1.3438E-15	0.240953	hyper	sig	chr15_26970871
chr1	2.03E+08	203223689	+	8.518E-17	1.3448E-15	-0.32793	hypo	sig	chr1_203223689
chr20	46541132	46541132	+	8.52E-17	1.3451E-15	-0.29555	hypo	sig	chr20_46541132
chr7	1.5E+08	149776089	+	8.522E-17	1.3454E-15	-0.27219	hypo	sig	chr7_149776089
chr1	1.19E+08	119006280	+	8.524E-17	1.3456E-15	0.343234	hyper	sig	chr1_119006280
chr2	2.22E+08	222302802	+	8.526E-17	1.346E-15	0.244003	hyper	sig	chr2_222302802
chr5	77643724	77643724	+	8.526E-17	1.346E-15	0.230196	hyper	sig	chr5_77643724
chr17	50781412	50781412	+	8.531E-17	1.3467E-15	0.274714	hyper	sig	chr17_50781412
chr2	1.05E+08	104842668	+	8.54E-17	1.3481E-15	0.348109	hyper	sig	chr2_104842668
chr3	6862182	6862182	+	8.541E-17	1.3482E-15	0.418767	hyper	sig	chr3_6862182
chr4	1.54E+08	153792102	+	8.546E-17	1.349E-15	0.298165	hyper	sig	chr4_153792102
chr6	99590822	99590822	+	8.548E-17	1.3493E-15	0.283666	hyper	sig	chr6_99590822
chr16	11675799	11675799	+	8.55E-17	1.3495E-15	-0.28896	hypo	sig	chr16_11675799
chr6	1625290	1625290	+	8.557E-17	1.3506E-15	0.256914	hyper	sig	chr6_1625290
chr8	53876774	53876774	+	8.558E-17	1.3508E-15	0.329225	hyper	sig	chr8_53876774
chr8	1.43E+08	142500158	+	8.561E-17	1.3511E-15	0.37138	hyper	sig	chr8_142500158
chr4	1.74E+08	173517844	+	8.576E-17	1.3535E-15	0.250871	hyper	sig	chr4_173517844
chr14	28774979	28774979	+	8.576E-17	1.3535E-15	0.256833	hyper	sig	chr14_28774979
chr16	2183929	2183929	+	8.592E-17	1.356E-15	-0.24431	hypo	sig	chr16_2183929
chr3	1.47E+08	147391601	+	8.595E-17	1.3564E-15	0.322598	hyper	sig	chr3_147391601

chr7	1123376	1123376	+	8.595E-17	1.3564E-15	0.276683	hyper	sig	chr7_1123376
chr13	24764008	24764008	+	8.596E-17	1.3565E-15	-0.29063	hypo	sig	chr13_24764008
chr14	1.03E+08	103187301	+	8.599E-17	1.357E-15	-0.30626	hypo	sig	chr14_103187301
chr14	1.03E+08	102923697	+	8.602E-17	1.3575E-15	0.301136	hyper	sig	chr14_102923697
chr8	96161428	96161428	+	8.611E-17	1.3588E-15	0.218398	hyper	sig	chr8_96161428
chr7	1.17E+08	117322886	+	8.614E-17	1.3593E-15	0.317683	hyper	sig	chr7_117322886
chr7	97021797	97021797	+	8.618E-17	1.3598E-15	0.299099	hyper	sig	chr7_97021797
chr17	304711	304711	+	8.624E-17	1.3607E-15	0.245821	hyper	sig	chr17_304711
chr19	36915957	36915957	+	8.625E-17	1.3609E-15	0.257868	hyper	sig	chr19_36915957
chr18	74499884	74499884	+	8.635E-17	1.3625E-15	-0.20799	hypo	sig	chr18_74499884
chr2	1.09E+08	109130272	+	8.638E-17	1.3629E-15	0.292471	hyper	sig	chr2_109130272
chr20	62350181	62350181	+	8.638E-17	1.3629E-15	-0.37621	hypo	sig	chr20_62350181
chr8	1.04E+08	103500933	+	8.655E-17	1.3655E-15	0.224167	hyper	sig	chr8_103500933
chr13	1.11E+08	111326745	+	8.655E-17	1.3655E-15	-0.2358	hypo	sig	chr13_111326745
chr19	14085752	14085752	+	8.657E-17	1.3657E-15	0.363414	hyper	sig	chr19_14085752
chr14	94773127	94773127	+	8.662E-17	1.3665E-15	0.239577	hyper	sig	chr14_94773127
chr17	78401649	78401649	+	8.664E-17	1.3667E-15	0.225606	hyper	sig	chr17_78401649
chr17	45896941	45896941	+	8.673E-17	1.3682E-15	0.268088	hyper	sig	chr17_45896941
chr7	45156663	45156663	+	8.674E-17	1.3684E-15	-0.24257	hypo	sig	chr7_45156663
chr10	1.25E+08	124545606	+	8.68E-17	1.3692E-15	-0.32329	hypo	sig	chr10_124545606
chr11	22432783	22432783	+	8.684E-17	1.3698E-15	0.315505	hyper	sig	chr11_22432783
chr1	2.28E+08	227775452	+	8.686E-17	1.3702E-15	0.278708	hyper	sig	chr1_227775452
chr14	1.04E+08	103879530	+	8.688E-17	1.3703E-15	-0.33129	hypo	sig	chr14_103879530
chr4	7471428	7471428	+	8.693E-17	1.3711E-15	-0.20458	hypo	sig	chr4_7471428
chr19	51327410	51327410	+	8.703E-17	1.3726E-15	0.375472	hyper	sig	chr19_51327410
chr8	1.44E+08	144334040	+	8.707E-17	1.3733E-15	0.299151	hyper	sig	chr8_144334040
chr15	65075142	65075142	+	8.709E-17	1.3735E-15	-0.29712	hypo	sig	chr15_65075142
chr17	48543022	48543022	+	8.71E-17	1.3738E-15	0.223941	hyper	sig	chr17_48543022
chr10	95231053	95231053	+	8.713E-17	1.3741E-15	0.284963	hyper	sig	chr10_95231053
chr19	18220237	18220237	+	8.721E-17	1.3753E-15	-0.2483	hypo	sig	chr19_18220237
chr11	1.29E+08	129373551	+	8.724E-17	1.3759E-15	0.247659	hyper	sig	chr11_129373551
chr5	1.78E+08	178078450	+	8.728E-17	1.3764E-15	-0.31196	hypo	sig	chr5_178078450
chr9	97500278	97500278	+	8.73E-17	1.3767E-15	-0.2913	hypo	sig	chr9_97500278
chr3	1.25E+08	125142001	+	8.731E-17	1.3769E-15	0.218468	hyper	sig	chr3_125142001
chr7	1235959	1235959	+	8.736E-17	1.3777E-15	0.324385	hyper	sig	chr7_1235959
chr11	57236393	57236393	+	8.743E-17	1.3786E-15	-0.27543	hypo	sig	chr11_57236393
chr2	37670573	37670573	+	8.743E-17	1.3786E-15	0.249416	hyper	sig	chr2_37670573
chr11	1.01E+08	101127095	+	8.748E-17	1.3794E-15	0.221763	hyper	sig	chr11_101127095
chr7	568814	568814	+	8.748E-17	1.3794E-15	0.239515	hyper	sig	chr7_568814
chr5	1.41E+08	141403495	+	8.748E-17	1.3794E-15	0.271928	hyper	sig	chr5_141403495
chr2	27126352	27126352	+	8.76E-17	1.3812E-15	-0.24565	hypo	sig	chr2_27126352
chr12	1.11E+08	111036157	+	8.761E-17	1.3813E-15	0.217328	hyper	sig	chr12_111036157
chr4	1.83E+08	182805719	+	8.762E-17	1.3815E-15	-0.2172	hypo	sig	chr4_182805719
chr4	67713889	67713889	+	8.769E-17	1.3825E-15	-0.25834	hypo	sig	chr4_67713889
chr3	48269091	48269091	+	8.782E-17	1.3846E-15	-0.21945	hypo	sig	chr3_48269091
chr1	1.61E+08	161068716	+	8.793E-17	1.3862E-15	-0.21867	hypo	sig	chr1_161068716
chr8	37798794	37798794	+	8.813E-17	1.3894E-15	0.234093	hyper	sig	chr8_37798794
chr11	1.19E+08	118909126	+	8.817E-17	1.39E-15	0.247299	hyper	sig	chr11_118909126
chr13	1.02E+08	102400031	+	8.827E-17	1.3916E-15	0.314476	hyper	sig	chr13_102400031
chr2	68655163	68655163	+	8.835E-17	1.3928E-15	-0.21808	hypo	sig	chr2_68655163
chr4	52077017	52077017	+	8.844E-17	1.3941E-15	0.297684	hyper	sig	chr4_52077017
chr16	974793	974793	+	8.848E-17	1.3947E-15	-0.34343	hypo	sig	chr16_974793
chr14	36654545	36654545	+	8.85E-17	1.395E-15	0.274867	hyper	sig	chr14_36654545
chr6	50714702	50714702	+	8.851E-17	1.395E-15	0.236471	hyper	sig	chr6_50714702
chr1	2.4E+08	240205112	+	8.858E-17	1.3962E-15	-0.23805	hypo	sig	chr1_240205112
chr5	1.41E+08	141376296	+	8.858E-17	1.3962E-15	0.285056	hyper	sig	chr5_141376296

chr1	2.17E+08	217139716	+	8.862E-17	1.3967E-15	0.313796	hyper	sig	chr1_217139716
chr2	1.05E+08	105241498	+	8.875E-17	1.3987E-15	-0.23933	hypo	sig	chr2_105241498
chr4	1.33E+08	133148198	+	8.88E-17	1.3995E-15	0.202609	hyper	sig	chr4_133148198
chr2	1.06E+08	106342801	+	8.887E-17	1.4005E-15	-0.27428	hypo	sig	chr2_106342801
chr12	12072351	12072351	+	8.901E-17	1.4028E-15	-0.26687	hypo	sig	chr12_12072351
chr10	8057101	8057101	+	8.905E-17	1.4034E-15	-0.32376	hypo	sig	chr10_8057101
chr8	1.32E+08	131903468	+	8.909E-17	1.4039E-15	-0.22793	hypo	sig	chr8_131903468
chr1	1.21E+08	121118019	+	8.916E-17	1.405E-15	0.279322	hyper	sig	chr1_121118019
chr8	52564905	52564905	+	8.922E-17	1.4059E-15	0.328959	hyper	sig	chr8_52564905
chr2	2.19E+08	219418492	+	8.924E-17	1.4061E-15	0.264407	hyper	sig	chr2_219418492
chr10	1.33E+08	133207318	+	8.925E-17	1.4063E-15	-0.26057	hypo	sig	chr10_133207318
chr15	61229886	61229886	+	8.925E-17	1.4063E-15	0.277032	hyper	sig	chr15_61229886
chr17	8155694	8155694	+	8.929E-17	1.4068E-15	0.312111	hyper	sig	chr17_8155694
chr5	1.32E+08	132481726	+	8.933E-17	1.4074E-15	-0.2858	hypo	sig	chr5_132481726
chr7	875436	875436	+	8.938E-17	1.4083E-15	0.243853	hyper	sig	chr7_875436
chr16	2183911	2183911	+	8.94E-17	1.4085E-15	-0.2116	hypo	sig	chr16_2183911
chr2	19357440	19357440	+	8.942E-17	1.4088E-15	0.225829	hyper	sig	chr2_19357440
chr1	2.05E+08	205058008	+	8.943E-17	1.409E-15	-0.27299	hypo	sig	chr1_205058008
chr4	41867534	41867534	+	8.953E-17	1.4105E-15	0.242032	hyper	sig	chr4_41867534
chr7	1.59E+08	158993000	+	8.953E-17	1.4105E-15	0.307755	hyper	sig	chr7_158993000
chr12	64826560	64826560	+	8.958E-17	1.4112E-15	0.229586	hyper	sig	chr12_64826560
chr6	12749122	12749122	+	8.959E-17	1.4114E-15	0.264198	hyper	sig	chr6_12749122
chr21	45899376	45899376	+	8.975E-17	1.4139E-15	-0.2531	hypo	sig	chr21_45899376
chr8	85438961	85438961	+	8.977E-17	1.4142E-15	0.267336	hyper	sig	chr8_85438961
chr3	1.33E+08	133038198	+	8.978E-17	1.4142E-15	0.24	hyper	sig	chr3_133038198
chr13	1.14E+08	114015546	+	8.984E-17	1.4152E-15	-0.33203	hypo	sig	chr13_114015546
chr20	46058472	46058472	+	8.996E-17	1.417E-15	0.257571	hyper	sig	chr20_46058472
chr13	87677479	87677479	+	9E-17	1.4176E-15	0.360839	hyper	sig	chr13_87677479
chr10	3173682	3173682	+	9.001E-17	1.4178E-15	-0.30897	hypo	sig	chr10_3173682
chr13	21668880	21668880	+	9.003E-17	1.418E-15	0.275435	hyper	sig	chr13_21668880
chr2	1.32E+08	131589257	+	9.003E-17	1.418E-15	-0.29866	hypo	sig	chr2_131589257
chr9	1.25E+08	124777801	+	9.005E-17	1.4183E-15	0.307547	hyper	sig	chr9_124777801
chr10	8036339	8036339	+	9.007E-17	1.4185E-15	0.314819	hyper	sig	chr10_8036339
chr5	1.5E+08	150303325	+	9.007E-17	1.4185E-15	0.307587	hyper	sig	chr5_150303325
chr5	50969826	50969826	+	9.009E-17	1.4189E-15	0.270411	hyper	sig	chr5_50969826
chr16	89608171	89608171	+	9.014E-17	1.4196E-15	-0.29112	hypo	sig	chr16_89608171
chr4	48484198	48484198	+	9.028E-17	1.4217E-15	0.244616	hyper	sig	chr4_48484198
chr1	1.19E+08	118983563	+	9.035E-17	1.4228E-15	0.33093	hyper	sig	chr1_118983563
chr11	62922653	62922653	+	9.039E-17	1.4235E-15	-0.36916	hypo	sig	chr11_62922653
chr6	50843227	50843227	+	9.041E-17	1.4237E-15	0.300711	hyper	sig	chr6_50843227
chr10	1.01E+08	101227548	+	9.041E-17	1.4237E-15	0.242448	hyper	sig	chr10_101227548
chr20	40683443	40683443	+	9.041E-17	1.4237E-15	0.214091	hyper	sig	chr20_40683443
chr3	1.29E+08	129126783	+	9.054E-17	1.4257E-15	0.257232	hyper	sig	chr3_129126783
chr13	1.13E+08	112994395	+	9.062E-17	1.4269E-15	-0.32082	hypo	sig	chr13_112994395
chr10	23172372	23172372	+	9.075E-17	1.4289E-15	0.3331	hyper	sig	chr10_23172372
chr7	54542175	54542175	+	9.079E-17	1.4295E-15	0.208573	hyper	sig	chr7_54542175
chr5	1.41E+08	141123342	+	9.081E-17	1.4298E-15	0.289948	hyper	sig	chr5_141123342
chr10	93063008	93063008	+	9.087E-17	1.4307E-15	0.239749	hyper	sig	chr10_93063008
chr1	3356207	3356207	+	9.09E-17	1.4311E-15	-0.27328	hypo	sig	chr1_3356207
chr11	68843328	68843328	+	9.095E-17	1.4318E-15	-0.21076	hypo	sig	chr11_68843328
chr6	30111329	30111329	+	9.105E-17	1.4334E-15	-0.33585	hypo	sig	chr6_30111329
chr20	23048697	23048697	+	9.107E-17	1.4338E-15	0.261788	hyper	sig	chr20_23048697
chr13	36674722	36674722	+	9.109E-17	1.4339E-15	0.280083	hyper	sig	chr13_36674722
chr10	23200988	23200988	+	9.115E-17	1.4348E-15	0.242302	hyper	sig	chr10_23200988
chr7	1753264	1753264	+	9.116E-17	1.435E-15	-0.33777	hypo	sig	chr7_1753264
chr10	27745262	27745262	+	9.12E-17	1.4357E-15	0.308606	hyper	sig	chr10_27745262

chr16	84832593	84832593	+	9.124E-17	1.4362E-15	0.247013	hyper	sig	chr16_84832593
chr2	71466125	71466125	+	9.131E-17	1.4374E-15	0.264071	hyper	sig	chr2_71466125
chr9	2717652	2717652	+	9.136E-17	1.4381E-15	-0.21971	hypo	sig	chr9_2717652
chr9	91421207	91421207	+	9.141E-17	1.4388E-15	0.277117	hyper	sig	chr9_91421207
chr12	1.32E+08	132433209	+	9.142E-17	1.4389E-15	0.245105	hyper	sig	chr12_132433209
chr8	1.34E+08	134478941	+	9.143E-17	1.4391E-15	-0.30063	hypo	sig	chr8_134478941
chr14	1.05E+08	104945652	+	9.15E-17	1.4402E-15	-0.21275	hypo	sig	chr14_104945652
chr6	31730967	31730967	+	9.153E-17	1.4405E-15	-0.27557	hypo	sig	chr6_31730967
chr4	1.11E+08	110630904	+	9.159E-17	1.4416E-15	0.237153	hyper	sig	chr4_110630904
chr2	20107021	20107021	+	9.165E-17	1.4424E-15	0.272293	hyper	sig	chr2_20107021
chr17	43940390	43940390	+	9.171E-17	1.4433E-15	-0.28086	hypo	sig	chr17_43940390
chr6	1E+08	100449521	+	9.176E-17	1.444E-15	0.288674	hyper	sig	chr6_100449521
chr8	8384242	8384242	+	9.18E-17	1.4447E-15	-0.24072	hypo	sig	chr8_8384242
chr13	1.08E+08	107866032	+	9.184E-17	1.4452E-15	0.335084	hyper	sig	chr13_107866032
chr11	69819859	69819859	+	9.191E-17	1.4464E-15	0.291804	hyper	sig	chr11_69819859
chr1	7668655	7668655	+	9.192E-17	1.4465E-15	0.226595	hyper	sig	chr1_7668655
chr16	29255160	29255160	+	9.195E-17	1.447E-15	-0.23648	hypo	sig	chr16_29255160
chr16	51150456	51150456	+	9.198E-17	1.4473E-15	0.388482	hyper	sig	chr16_51150456
chr5	1.02E+08	102498719	+	9.205E-17	1.4484E-15	-0.26038	hypo	sig	chr5_102498719
chr7	1.55E+08	155382589	+	9.209E-17	1.449E-15	0.280293	hyper	sig	chr7_155382589
chr17	43896719	43896719	+	9.217E-17	1.4503E-15	-0.38294	hypo	sig	chr17_43896719
chr10	13890988	13890988	+	9.22E-17	1.4507E-15	0.219025	hyper	sig	chr10_13890988
chr12	1.11E+08	111033747	+	9.222E-17	1.4509E-15	0.348731	hyper	sig	chr12_111033747
chr13	1.12E+08	111548342	+	9.226E-17	1.4516E-15	-0.28664	hypo	sig	chr13_111548342
chr18	79480629	79480629	+	9.235E-17	1.453E-15	0.2697	hyper	sig	chr18_79480629
chr8	1.44E+08	143891668	+	9.242E-17	1.454E-15	-0.25588	hypo	sig	chr8_143891668
chr1	86156744	86156744	+	9.255E-17	1.456E-15	0.205667	hyper	sig	chr1_86156744
chr1	1.13E+08	112744538	+	9.258E-17	1.4564E-15	0.214471	hyper	sig	chr1_112744538
chr12	75207667	75207667	+	9.265E-17	1.4576E-15	0.302389	hyper	sig	chr12_75207667
chr18	36742587	36742587	+	9.268E-17	1.458E-15	-0.30705	hypo	sig	chr18_36742587
chr5	1.41E+08	140828565	+	9.268E-17	1.458E-15	0.224812	hyper	sig	chr5_140828565
chr20	49480913	49480913	+	9.284E-17	1.4604E-15	-0.3468	hypo	sig	chr20_49480913
chr11	1333671	1333671	+	9.284E-17	1.4604E-15	-0.27194	hypo	sig	chr11_1333671
chr2	1.19E+08	118842027	+	9.286E-17	1.4607E-15	0.294496	hyper	sig	chr2_118842027
chr10	1.33E+08	133083200	+	9.287E-17	1.4607E-15	0.28011	hyper	sig	chr10_133083200
chr12	1.23E+08	123097815	+	9.287E-17	1.4607E-15	0.254417	hyper	sig	chr12_123097815
chr1	1.8E+08	179743228	+	9.287E-17	1.4608E-15	0.221886	hyper	sig	chr1_179743228
chr6	1.08E+08	108114972	+	9.294E-17	1.4618E-15	0.271707	hyper	sig	chr6_108114972
chr10	1.04E+08	103573328	+	9.314E-17	1.4649E-15	-0.28919	hypo	sig	chr10_103573328
chr7	1713850	1713850	+	9.318E-17	1.4654E-15	-0.31333	hypo	sig	chr7_1713850
chr16	89562386	89562386	+	9.328E-17	1.467E-15	-0.2561	hypo	sig	chr16_89562386
chr13	1.13E+08	112995378	+	9.331E-17	1.4674E-15	-0.39331	hypo	sig	chr13_112995378
chr17	50635562	50635562	+	9.338E-17	1.4686E-15	-0.27188	hypo	sig	chr17_50635562
chr9	1.09E+08	109014502	+	9.341E-17	1.4689E-15	0.265524	hyper	sig	chr9_109014502
chr1	53526770	53526770	+	9.342E-17	1.469E-15	0.273355	hyper	sig	chr1_53526770
chr1	27403396	27403396	+	9.343E-17	1.4692E-15	0.310025	hyper	sig	chr1_27403396
chr17	40938889	40938889	+	9.345E-17	1.4695E-15	-0.224	hypo	sig	chr17_40938889
chr7	1.51E+08	150977342	+	9.345E-17	1.4695E-15	0.299038	hyper	sig	chr7_150977342
chr16	3183502	3183502	+	9.348E-17	1.47E-15	0.226238	hyper	sig	chr16_3183502
chr20	32360462	32360462	+	9.351E-17	1.4703E-15	0.287226	hyper	sig	chr20_32360462
chr4	48484204	48484204	+	9.351E-17	1.4703E-15	0.277	hyper	sig	chr4_48484204
chr7	8434973	8434973	+	9.351E-17	1.4703E-15	0.33265	hyper	sig	chr7_8434973
chr11	8268082	8268082	+	9.353E-17	1.4706E-15	0.219531	hyper	sig	chr11_8268082
chr5	1282242	1282242	+	9.353E-17	1.4706E-15	0.223366	hyper	sig	chr5_1282242
chr6	28634807	28634807	+	9.359E-17	1.4716E-15	0.231829	hyper	sig	chr6_28634807
chr14	60507186	60507186	+	9.364E-17	1.4722E-15	0.276176	hyper	sig	chr14_60507186

chr16	1533874	1533874	+	9.369E-17	1.473E-15	0.236327	hyper	sig	chr16_1533874
chr17	4900265	4900265	+	9.372E-17	1.4733E-15	0.358503	hyper	sig	chr17_4900265
chr11	351033	351033	+	9.376E-17	1.4739E-15	-0.26587	hypo	sig	chr11_351033
chr16	89374643	89374643	+	9.383E-17	1.4751E-15	0.214859	hyper	sig	chr16_89374643
chr4	3263353	3263353	+	9.385E-17	1.4754E-15	-0.26743	hypo	sig	chr4_3263353
chr20	51023505	51023505	+	9.396E-17	1.477E-15	0.305382	hyper	sig	chr20_51023505
chr7	35254875	35254875	+	9.402E-17	1.478E-15	0.350429	hyper	sig	chr7_35254875
chr1	30714970	30714970	+	9.403E-17	1.478E-15	-0.21912	hypo	sig	chr1_30714970
chr17	77373548	77373548	+	9.404E-17	1.4781E-15	0.281997	hyper	sig	chr17_77373548
chr1	45622741	45622741	+	9.407E-17	1.4785E-15	0.248248	hyper	sig	chr1_45622741
chr16	1023583	1023583	+	9.409E-17	1.4789E-15	-0.2331	hypo	sig	chr16_1023583
chr1	40838457	40838457	+	9.41E-17	1.4789E-15	0.294484	hyper	sig	chr1_40838457
chr12	1.19E+08	118774508	+	9.41E-17	1.4789E-15	0.281994	hyper	sig	chr12_118774508
chr18	36188173	36188173	+	9.415E-17	1.4797E-15	-0.22022	hypo	sig	chr18_36188173
chr12	1.08E+08	108218068	+	9.416E-17	1.4798E-15	-0.34638	hypo	sig	chr12_108218068
chr4	73998558	73998558	+	9.416E-17	1.4798E-15	0.243395	hyper	sig	chr4_73998558
chr8	1.44E+08	144336301	+	9.416E-17	1.4798E-15	0.278468	hyper	sig	chr8_144336301
chr17	75645710	75645710	+	9.423E-17	1.4808E-15	-0.25122	hypo	sig	chr17_75645710
chr16	29194403	29194403	+	9.426E-17	1.4812E-15	-0.25476	hypo	sig	chr16_29194403
chr21	31557540	31557540	+	9.426E-17	1.4812E-15	0.265643	hyper	sig	chr21_31557540
chr2	1.21E+08	120511718	+	9.427E-17	1.4814E-15	-0.24591	hypo	sig	chr2_120511718
chr12	1.15E+08	114700253	+	9.427E-17	1.4814E-15	0.253664	hyper	sig	chr12_114700253
chr4	72031896	72031896	+	9.432E-17	1.482E-15	0.24681	hyper	sig	chr4_72031896
chr6	31546140	31546140	+	9.435E-17	1.4825E-15	0.283193	hyper	sig	chr6_31546140
chr8	1.43E+08	143417781	+	9.446E-17	1.4842E-15	-0.27335	hypo	sig	chr8_143417781
chr1	3226361	3226361	+	9.453E-17	1.4853E-15	0.275238	hyper	sig	chr1_3226361
chr5	1.77E+08	176887292	+	9.453E-17	1.4853E-15	-0.26364	hypo	sig	chr5_176887292
chr17	69581559	69581559	+	9.459E-17	1.4862E-15	-0.27892	hypo	sig	chr17_69581559
chr9	70480806	70480806	+	9.461E-17	1.4865E-15	0.207353	hyper	sig	chr9_70480806
chr8	96495730	96495730	+	9.462E-17	1.4865E-15	0.298291	hyper	sig	chr8_96495730
chr16	84818956	84818956	+	9.464E-17	1.4868E-15	-0.2644	hypo	sig	chr16_84818956
chr10	1.2E+08	120457444	+	9.466E-17	1.4872E-15	0.26442	hyper	sig	chr10_120457444
chr5	1.29E+08	128537627	+	9.477E-17	1.4888E-15	0.251421	hyper	sig	chr5_128537627
chr7	20776942	20776942	+	9.48E-17	1.4894E-15	0.282224	hyper	sig	chr7_20776942
chr2	1E+08	100321175	+	9.489E-17	1.4907E-15	0.227029	hyper	sig	chr2_100321175
chr19	36973299	36973299	+	9.498E-17	1.4919E-15	0.233522	hyper	sig	chr19_36973299
chr11	655514	655514	+	9.501E-17	1.4924E-15	-0.28805	hypo	sig	chr11_655514
chr6	1.69E+08	169186273	+	9.503E-17	1.4926E-15	-0.22939	hypo	sig	chr6_169186273
chr3	57999726	57999726	+	9.505E-17	1.493E-15	-0.22533	hypo	sig	chr3_57999726
chr7	1055324	1055324	+	9.51E-17	1.4937E-15	0.306184	hyper	sig	chr7_1055324
chr8	42052848	42052848	+	9.532E-17	1.4971E-15	-0.27411	hypo	sig	chr8_42052848
chr1	40132849	40132849	+	9.535E-17	1.4976E-15	0.325935	hyper	sig	chr1_40132849
chr17	79736900	79736900	+	9.535E-17	1.4976E-15	-0.32795	hypo	sig	chr17_79736900
chr6	10886990	10886990	+	9.539E-17	1.4981E-15	0.265579	hyper	sig	chr6_10886990
chr12	2940638	2940638	+	9.544E-17	1.4988E-15	0.290115	hyper	sig	chr12_2940638
chr7	73424328	73424328	+	9.554E-17	1.5004E-15	0.26228	hyper	sig	chr7_73424328
chr11	77039315	77039315	+	9.557E-17	1.5009E-15	-0.33136	hypo	sig	chr11_77039315
chr1	55039185	55039185	+	9.56E-17	1.5013E-15	-0.23488	hypo	sig	chr1_55039185
chr16	1206259	1206259	+	9.562E-17	1.5016E-15	-0.29773	hypo	sig	chr16_1206259
chr11	15114519	15114519	+	9.568E-17	1.5025E-15	0.231672	hyper	sig	chr11_15114519
chr7	1.59E+08	159116393	+	9.57E-17	1.5027E-15	-0.29149	hypo	sig	chr7_159116393
chr9	97853514	97853514	+	9.572E-17	1.5031E-15	0.239314	hyper	sig	chr9_97853514
chr6	7051286	7051286	+	9.578E-17	1.504E-15	-0.23675	hypo	sig	chr6_7051286
chr12	453682	453682	+	9.581E-17	1.5045E-15	-0.28069	hypo	sig	chr12_453682
chr12	45051044	45051044	+	9.582E-17	1.5045E-15	0.276485	hyper	sig	chr12_45051044
chr6	62286051	62286051	+	9.583E-17	1.5047E-15	0.274331	hyper	sig	chr6_62286051

chr6	1.12E+08	112362392	+	9.59E-17	1.5057E-15	-0.36781	hypo	sig	chr6_112362392
chr18	11752216	11752216	+	9.598E-17	1.507E-15	0.291906	hyper	sig	chr18_11752216
chr6	27268043	27268043	+	9.606E-17	1.5082E-15	0.222934	hyper	sig	chr6_27268043
chr2	1.55E+08	154699821	+	9.607E-17	1.5084E-15	0.263552	hyper	sig	chr2_154699821
chr10	1.33E+08	133110136	+	9.61E-17	1.5088E-15	-0.29178	hypo	sig	chr10_133110136
chr14	93840473	93840473	+	9.611E-17	1.509E-15	-0.27166	hypo	sig	chr14_93840473
chr14	1.06E+08	105537022	+	9.613E-17	1.5092E-15	-0.24965	hypo	sig	chr14_105537022
chr12	1.25E+08	124638236	+	9.615E-17	1.5095E-15	-0.21612	hypo	sig	chr12_124638236
chr8	1.44E+08	144047035	+	9.619E-17	1.5101E-15	-0.26572	hypo	sig	chr8_144047035
chr6	30172126	30172126	+	9.628E-17	1.5115E-15	0.281849	hyper	sig	chr6_30172126
chr5	399834	399834	+	9.63E-17	1.5117E-15	0.250161	hyper	sig	chr5_399834
chr16	1483731	1483731	+	9.637E-17	1.5127E-15	-0.3566	hypo	sig	chr16_1483731
chr12	75207689	75207689	+	9.643E-17	1.5137E-15	0.299315	hyper	sig	chr12_75207689
chr1	85582205	85582205	+	9.652E-17	1.5151E-15	0.248031	hyper	sig	chr1_85582205
chr8	1.28E+08	127740718	+	9.653E-17	1.5151E-15	-0.26369	hypo	sig	chr8_127740718
chr11	71998871	71998871	+	9.655E-17	1.5155E-15	-0.21535	hypo	sig	chr11_71998871
chr5	1119537	1119537	+	9.659E-17	1.516E-15	-0.27304	hypo	sig	chr5_1119537
chr1	2.15E+08	215083551	+	9.666E-17	1.5171E-15	0.263086	hyper	sig	chr1_215083551
chr19	31356185	31356185	+	9.678E-17	1.519E-15	-0.35193	hypo	sig	chr19_31356185
chr6	51599052	51599052	+	9.679E-17	1.519E-15	-0.33657	hypo	sig	chr6_51599052
chr19	40222368	40222368	+	9.681E-17	1.5193E-15	0.2576	hyper	sig	chr19_40222368
chr16	85209625	85209625	+	9.685E-17	1.5201E-15	0.235144	hyper	sig	chr16_85209625
chr5	1239609	1239609	+	9.688E-17	1.5204E-15	-0.23773	hypo	sig	chr5_1239609
chr19	15443738	15443738	+	9.69E-17	1.5207E-15	-0.2249	hypo	sig	chr19_15443738
chr7	1.58E+08	158277181	+	9.694E-17	1.5214E-15	0.327444	hyper	sig	chr7_158277181
chr11	8168901	8168901	+	9.709E-17	1.5236E-15	0.23503	hyper	sig	chr11_8168901
chr3	1.41E+08	141050812	+	9.712E-17	1.5241E-15	0.267825	hyper	sig	chr3_141050812
chr10	1.33E+08	133071072	+	9.722E-17	1.5256E-15	-0.30126	hypo	sig	chr10_133071072
chr16	54936492	54936492	+	9.737E-17	1.5279E-15	0.233065	hyper	sig	chr16_54936492
chr10	1.33E+08	133071088	+	9.74E-17	1.5283E-15	-0.31665	hypo	sig	chr10_133071088
chr14	23379620	23379620	+	9.74E-17	1.5284E-15	-0.33727	hypo	sig	chr14_23379620
chr17	36940440	36940440	+	9.741E-17	1.5285E-15	0.245224	hyper	sig	chr17_36940440
chr14	60653984	60653984	+	9.742E-17	1.5287E-15	0.261677	hyper	sig	chr14_60653984
chr12	1.13E+08	113469343	+	9.744E-17	1.5289E-15	0.267016	hyper	sig	chr12_113469343
chr17	81291996	81291996	+	9.753E-17	1.5302E-15	0.232927	hyper	sig	chr17_81291996
chr19	52535806	52535806	+	9.755E-17	1.5306E-15	0.23526	hyper	sig	chr19_52535806
chr7	73399523	73399523	+	9.757E-17	1.5307E-15	0.329917	hyper	sig	chr7_73399523
chr19	23204250	23204250	+	9.759E-17	1.5311E-15	0.264413	hyper	sig	chr19_23204250
chr6	1.66E+08	165854274	+	9.759E-17	1.5311E-15	0.33366	hyper	sig	chr6_165854274
chr10	97069755	97069755	+	9.764E-17	1.5318E-15	-0.30763	hypo	sig	chr10_97069755
chr11	7251527	7251527	+	9.767E-17	1.5323E-15	0.240804	hyper	sig	chr11_7251527
chr5	1.41E+08	141339209	+	9.779E-17	1.5341E-15	0.233066	hyper	sig	chr5_141339209
chr2	47509601	47509601	+	9.806E-17	1.5382E-15	-0.26748	hypo	sig	chr2_47509601
chr5	77785706	77785706	+	9.807E-17	1.5383E-15	-0.27906	hypo	sig	chr5_77785706
chr5	91918504	91918504	+	9.811E-17	1.5389E-15	-0.324	hypo	sig	chr5_91918504
chr19	8210234	8210234	+	9.815E-17	1.5395E-15	0.302348	hyper	sig	chr19_8210234
chr7	1.54E+08	153887333	+	9.819E-17	1.5401E-15	0.30723	hyper	sig	chr7_153887333
chr1	20724039	20724039	+	9.826E-17	1.5412E-15	-0.24337	hypo	sig	chr1_20724039
chr2	74415343	74415343	+	9.827E-17	1.5413E-15	0.264279	hyper	sig	chr2_74415343
chr11	2415036	2415036	+	9.829E-17	1.5416E-15	-0.26777	hypo	sig	chr11_2415036
chr1	2.29E+08	229434048	+	9.834E-17	1.5424E-15	0.240075	hyper	sig	chr1_229434048
chr4	3525121	3525121	+	9.841E-17	1.5435E-15	0.265335	hyper	sig	chr4_3525121
chr16	81493582	81493582	+	9.843E-17	1.5438E-15	-0.25765	hypo	sig	chr16_81493582
chr22	45009031	45009031	+	9.845E-17	1.5439E-15	0.211849	hyper	sig	chr22_45009031
chr14	56797665	56797665	+	9.847E-17	1.5443E-15	0.288793	hyper	sig	chr14_56797665
chr22	29582013	29582013	+	9.852E-17	1.545E-15	-0.2732	hypo	sig	chr22_29582013

chr6	1.37E+08	136923610	+	9.855E-17	1.5454E-15	0.347619	hyper	sig	chr6_136923610
chr6	28537652	28537652	+	9.856E-17	1.5455E-15	0.211719	hyper	sig	chr6_28537652
chr5	42894345	42894345	+	9.857E-17	1.5457E-15	0.240382	hyper	sig	chr5_42894345
chr5	1.79E+08	179362621	+	9.861E-17	1.5463E-15	-0.21913	hypo	sig	chr5_179362621
chr17	7740424	7740424	+	9.865E-17	1.5469E-15	-0.31741	hypo	sig	chr17_7740424
chr19	53520478	53520478	+	9.867E-17	1.5471E-15	0.222163	hyper	sig	chr19_53520478
chr11	58963429	58963429	+	9.868E-17	1.5472E-15	0.213485	hyper	sig	chr11_58963429
chr16	10180472	10180472	+	9.868E-17	1.5473E-15	0.314738	hyper	sig	chr16_10180472
chr16	1992699	1992699	+	9.871E-17	1.5477E-15	0.328846	hyper	sig	chr16_1992699
chr2	1.76E+08	176075573	+	9.877E-17	1.5485E-15	0.25691	hyper	sig	chr2_176075573
chr2	24828059	24828059	+	9.895E-17	1.5513E-15	0.213888	hyper	sig	chr2_24828059
chr1	3242548	3242548	+	9.896E-17	1.5515E-15	-0.23637	hypo	sig	chr1_3242548
chr13	1.12E+08	112057733	+	9.898E-17	1.5517E-15	0.31127	hyper	sig	chr13_112057733
chr7	1.51E+08	150989640	+	9.907E-17	1.553E-15	0.242187	hyper	sig	chr7_150989640
chr13	1.14E+08	114010931	+	9.911E-17	1.5537E-15	-0.232	hypo	sig	chr13_114010931
chr6	1.7E+08	170222882	+	9.916E-17	1.5545E-15	-0.25878	hypo	sig	chr6_170222882
chr1	7784715	7784715	+	9.918E-17	1.5547E-15	0.311946	hyper	sig	chr1_7784715
chr11	1.09E+08	109423449	+	9.923E-17	1.5554E-15	0.222782	hyper	sig	chr11_109423449
chr1	1.81E+08	181318692	+	9.924E-17	1.5556E-15	0.292774	hyper	sig	chr1_181318692
chr2	2.4E+08	240032899	+	9.924E-17	1.5556E-15	-0.23782	hypo	sig	chr2_240032899
chr9	1.21E+08	120842254	+	9.93E-17	1.5565E-15	0.252254	hyper	sig	chr9_120842254
chr9	18777744	18777744	+	9.942E-17	1.5583E-15	-0.24848	hypo	sig	chr9_18777744
chr19	53058125	53058125	+	9.944E-17	1.5585E-15	0.313225	hyper	sig	chr19_53058125
chr2	2.42E+08	241946707	+	9.955E-17	1.5603E-15	-0.25741	hypo	sig	chr2_241946707
chr16	86566686	86566686	+	9.965E-17	1.5619E-15	0.245006	hyper	sig	chr16_86566686
chr7	229600	229600	+	9.966E-17	1.562E-15	0.269452	hyper	sig	chr7_229600
chr7	1645039	1645039	+	9.968E-17	1.5622E-15	-0.34348	hypo	sig	chr7_1645039
chr13	1.13E+08	113130145	+	9.975E-17	1.5633E-15	0.302851	hyper	sig	chr13_113130145
chr6	1.7E+08	170075027	+	9.98E-17	1.564E-15	-0.21091	hypo	sig	chr6_170075027
chr22	39456863	39456863	+	9.98E-17	1.564E-15	0.354625	hyper	sig	chr22_39456863
chr8	1.43E+08	142777077	+	9.985E-17	1.5647E-15	0.26295	hyper	sig	chr8_142777077
chr15	88638501	88638501	+	9.991E-17	1.5657E-15	-0.25579	hypo	sig	chr15_88638501
chr6	77466965	77466965	+	9.991E-17	1.5657E-15	0.259219	hyper	sig	chr6_77466965
chr11	62713583	62713583	+	9.992E-17	1.5658E-15	-0.24223	hypo	sig	chr11_62713583
chr22	19016335	19016335	+	1E-16	1.567E-15	-0.2524	hypo	sig	chr22_19016335
chr12	1.31E+08	131021528	+	1E-16	1.5672E-15	-0.23673	hypo	sig	chr12_131021528
chr16	1011905	1011905	+	1E-16	1.5672E-15	-0.26486	hypo	sig	chr16_1011905
chr13	1.12E+08	111561704	+	1.001E-16	1.5679E-15	-0.36031	hypo	sig	chr13_111561704
chr4	96521319	96521319	+	1.001E-16	1.5681E-15	-0.26962	hypo	sig	chr4_96521319
chr20	63361205	63361205	+	1.001E-16	1.5683E-15	0.263331	hyper	sig	chr20_63361205
chr8	1162861	1162861	+	1.001E-16	1.5686E-15	-0.21114	hypo	sig	chr8_1162861
chr4	1.9E+08	190017900	+	1.001E-16	1.5689E-15	0.300958	hyper	sig	chr4_190017900
chr21	37006272	37006272	+	1.002E-16	1.5696E-15	0.276749	hyper	sig	chr21_37006272
chr2	2.39E+08	239483088	+	1.002E-16	1.5698E-15	-0.29642	hypo	sig	chr2_239483088
chr8	88327153	88327153	+	1.003E-16	1.5708E-15	0.217619	hyper	sig	chr8_88327153
chr22	39456661	39456661	+	1.003E-16	1.5711E-15	0.26493	hyper	sig	chr22_39456661
chr1	3223291	3223291	+	1.003E-16	1.5718E-15	-0.30176	hypo	sig	chr1_3223291
chr7	32318928	32318928	+	1.004E-16	1.5727E-15	0.251596	hyper	sig	chr7_32318928
chr11	61008676	61008676	+	1.006E-16	1.5752E-15	0.265222	hyper	sig	chr11_61008676
chr14	26205007	26205007	+	1.006E-16	1.5754E-15	0.282016	hyper	sig	chr14_26205007
chr5	3197878	3197878	+	1.006E-16	1.5761E-15	0.294025	hyper	sig	chr5_3197878
chr1	1.19E+08	118985801	+	1.007E-16	1.5772E-15	0.285574	hyper	sig	chr1_118985801
chr4	1.33E+08	133148254	+	1.007E-16	1.5773E-15	0.232709	hyper	sig	chr4_133148254
chr20	63752165	63752165	+	1.007E-16	1.5777E-15	-0.30594	hypo	sig	chr20_63752165
chr20	63038181	63038181	+	1.009E-16	1.5799E-15	-0.33595	hypo	sig	chr20_63038181
chr7	57868087	57868087	+	1.01E-16	1.5814E-15	0.294476	hyper	sig	chr7_57868087

chr6	28817075	28817075	+	1.01E-16	1.5815E-15	0.278035	hyper	sig	chr6_28817075
chr15	48643980	48643980	+	1.01E-16	1.5817E-15	0.277892	hyper	sig	chr15_48643980
chr7	1.59E+08	158993045	+	1.011E-16	1.5827E-15	0.287265	hyper	sig	chr7_158993045
chr7	64045770	64045770	+	1.011E-16	1.5839E-15	0.255212	hyper	sig	chr7_64045770
chr7	6953907	6953907	+	1.012E-16	1.5842E-15	-0.30174	hypo	sig	chr7_6953907
chr16	51156201	51156201	+	1.015E-16	1.5888E-15	0.256092	hyper	sig	chr16_51156201
chr11	17770212	17770212	+	1.015E-16	1.5889E-15	-0.24772	hypo	sig	chr11_17770212
chr12	57619930	57619930	+	1.015E-16	1.589E-15	-0.29363	hypo	sig	chr12_57619930
chr5	1107759	1107759	+	1.015E-16	1.5892E-15	-0.3479	hypo	sig	chr5_1107759
chr7	2110335	2110335	+	1.016E-16	1.5908E-15	-0.31818	hypo	sig	chr7_2110335
chr8	1.44E+08	143806263	+	1.016E-16	1.5916E-15	-0.25674	hypo	sig	chr8_143806263
chr3	1.82E+08	181696039	+	1.017E-16	1.5917E-15	0.217124	hyper	sig	chr3_181696039
chr11	1.11E+08	111283976	+	1.017E-16	1.5917E-15	-0.2526	hypo	sig	chr11_111283976
chr14	1.03E+08	102555695	+	1.017E-16	1.5927E-15	0.210271	hyper	sig	chr14_102555695
chr3	1.26E+08	125698478	+	1.017E-16	1.5928E-15	-0.29824	hypo	sig	chr3_125698478
chr16	15146366	15146366	+	1.018E-16	1.5934E-15	0.250859	hyper	sig	chr16_15146366
chr14	36523085	36523085	+	1.018E-16	1.5936E-15	0.298758	hyper	sig	chr14_36523085
chr17	39599877	39599877	+	1.019E-16	1.5955E-15	0.22034	hyper	sig	chr17_39599877
chr8	30352191	30352191	+	1.019E-16	1.5955E-15	-0.22467	hypo	sig	chr8_30352191
chr16	760950	760950	+	1.019E-16	1.5958E-15	-0.24772	hypo	sig	chr16_760950
chr12	1.13E+08	113479328	+	1.02E-16	1.5963E-15	0.233748	hyper	sig	chr12_113479328
chr4	1.87E+08	186659876	+	1.02E-16	1.5966E-15	-0.22575	hypo	sig	chr4_186659876
chr19	39308464	39308464	+	1.021E-16	1.5983E-15	0.286397	hyper	sig	chr19_39308464
chr2	1.76E+08	176124829	+	1.022E-16	1.6E-15	-0.26891	hypo	sig	chr2_176124829
chr12	54090475	54090475	+	1.023E-16	1.6005E-15	0.242272	hyper	sig	chr12_54090475
chr7	20794726	20794726	+	1.023E-16	1.6005E-15	0.232041	hyper	sig	chr7_20794726
chr19	11194608	11194608	+	1.024E-16	1.6027E-15	0.315288	hyper	sig	chr19_11194608
chr20	36540576	36540576	+	1.024E-16	1.603E-15	0.281874	hyper	sig	chr20_36540576
chr2	31581095	31581095	+	1.025E-16	1.6036E-15	0.338359	hyper	sig	chr2_31581095
chr4	1577773	1577773	+	1.025E-16	1.6037E-15	0.329954	hyper	sig	chr4_1577773
chr5	67166099	67166099	+	1.025E-16	1.6042E-15	-0.23794	hypo	sig	chr5_67166099
chr16	86504967	86504967	+	1.025E-16	1.6043E-15	0.205088	hyper	sig	chr16_86504967
chr11	31802677	31802677	+	1.026E-16	1.6061E-15	0.432062	hyper	sig	chr11_31802677
chr20	31995198	31995198	+	1.027E-16	1.6068E-15	0.265048	hyper	sig	chr20_31995198
chr1	42941164	42941164	+	1.027E-16	1.607E-15	-0.29768	hypo	sig	chr1_42941164
chr5	3116646	3116646	+	1.027E-16	1.6077E-15	0.247113	hyper	sig	chr5_3116646
chr13	35470718	35470718	+	1.028E-16	1.608E-15	0.206017	hyper	sig	chr13_35470718
chr6	31536404	31536404	+	1.028E-16	1.6092E-15	0.200703	hyper	sig	chr6_31536404
chr6	33173263	33173263	+	1.029E-16	1.6105E-15	-0.20685	hypo	sig	chr6_33173263
chr5	1.55E+08	154691662	+	1.031E-16	1.6125E-15	0.284707	hyper	sig	chr5_154691662
chr15	84079850	84079850	+	1.033E-16	1.6155E-15	0.205991	hyper	sig	chr15_84079850
chr7	1.51E+08	150973006	+	1.033E-16	1.6161E-15	0.240027	hyper	sig	chr7_150973006
chr1	1.52E+08	152108778	+	1.033E-16	1.6167E-15	0.378407	hyper	sig	chr1_152108778
chr15	41403137	41403137	+	1.033E-16	1.6169E-15	-0.30116	hypo	sig	chr15_41403137
chr10	1.32E+08	132206312	+	1.034E-16	1.6169E-15	-0.24745	hypo	sig	chr10_132206312
chr2	2.37E+08	236507727	+	1.034E-16	1.6177E-15	0.303398	hyper	sig	chr2_236507727
chr3	1.26E+08	126416377	+	1.034E-16	1.6178E-15	0.32726	hyper	sig	chr3_126416377
chr1	17149339	17149339	+	1.034E-16	1.6179E-15	0.340632	hyper	sig	chr1_17149339
chr21	43829967	43829967	+	1.035E-16	1.6185E-15	-0.27817	hypo	sig	chr21_43829967
chr8	1.43E+08	142612944	+	1.035E-16	1.6191E-15	-0.31975	hypo	sig	chr8_142612944
chr1	1.54E+08	153568286	+	1.036E-16	1.6203E-15	-0.32501	hypo	sig	chr1_153568286
chr6	14916990	14916990	+	1.039E-16	1.6254E-15	0.210994	hyper	sig	chr6_14916990
chr7	91267334	91267334	+	1.039E-16	1.6255E-15	0.326577	hyper	sig	chr7_91267334
chr1	3895658	3895658	+	1.039E-16	1.6255E-15	0.21867	hyper	sig	chr1_3895658
chr7	1.52E+08	151850870	+	1.04E-16	1.6265E-15	-0.29877	hypo	sig	chr7_151850870
chr19	50977534	50977534	+	1.041E-16	1.6289E-15	-0.26849	hypo	sig	chr19_50977534

chr16	86513000	86513000	+	1.042E-16	1.6303E-15	0.33873	hyper	sig	chr16_86513000
chr10	1.31E+08	131177873	+	1.043E-16	1.6306E-15	0.309401	hyper	sig	chr10_131177873
chr2	3282533	3282533	+	1.044E-16	1.6323E-15	0.275884	hyper	sig	chr2_3282533
chr6	30163857	30163857	+	1.044E-16	1.6324E-15	-0.29803	hypo	sig	chr6_30163857
chr17	4536300	4536300	+	1.044E-16	1.6329E-15	0.274725	hyper	sig	chr17_4536300
chr6	36285300	36285300	+	1.045E-16	1.6344E-15	0.25207	hyper	sig	chr6_36285300
chr6	17033312	17033312	+	1.045E-16	1.6345E-15	0.237592	hyper	sig	chr6_17033312
chr4	3645238	3645238	+	1.046E-16	1.6356E-15	-0.24832	hypo	sig	chr4_3645238
chr17	82302424	82302424	+	1.046E-16	1.6357E-15	-0.28876	hypo	sig	chr17_82302424
chr18	78313612	78313612	+	1.047E-16	1.6365E-15	-0.28523	hypo	sig	chr18_78313612
chr2	2.18E+08	218381745	+	1.047E-16	1.6366E-15	-0.22309	hypo	sig	chr2_218381745
chr1	2.08E+08	207645078	+	1.047E-16	1.6379E-15	0.220874	hyper	sig	chr1_207645078
chr14	94773085	94773085	+	1.048E-16	1.6395E-15	0.251437	hyper	sig	chr14_94773085
chr11	1.08E+08	107591033	+	1.049E-16	1.6398E-15	0.237751	hyper	sig	chr11_107591033
chr2	3627600	3627600	+	1.049E-16	1.6405E-15	-0.20056	hypo	sig	chr2_3627600
chr6	1.05E+08	104941619	+	1.05E-16	1.6424E-15	0.284507	hyper	sig	chr6_104941619
chr3	1.28E+08	128492692	+	1.051E-16	1.6426E-15	0.26686	hyper	sig	chr3_128492692
chr11	1.31E+08	130673002	+	1.051E-16	1.643E-15	-0.24534	hypo	sig	chr11_130673002
chr7	1.35E+08	135171929	+	1.052E-16	1.6446E-15	0.228799	hyper	sig	chr7_135171929
chr4	1.55E+08	155376928	+	1.052E-16	1.6448E-15	0.23066	hyper	sig	chr4_155376928
chr8	1.44E+08	144336208	+	1.052E-16	1.645E-15	0.306038	hyper	sig	chr8_144336208
chr16	54936490	54936490	+	1.052E-16	1.6451E-15	0.223878	hyper	sig	chr16_54936490
chr8	1749348	1749348	+	1.052E-16	1.6453E-15	0.210129	hyper	sig	chr8_1749348
chr10	1.33E+08	132544597	+	1.053E-16	1.6459E-15	0.236618	hyper	sig	chr10_132544597
chr21	30480158	30480158	+	1.053E-16	1.6461E-15	-0.26187	hypo	sig	chr21_30480158
chr7	1.51E+08	151410672	+	1.053E-16	1.6468E-15	0.273924	hyper	sig	chr7_151410672
chr20	45316884	45316884	+	1.054E-16	1.6481E-15	0.469227	hyper	sig	chr20_45316884
chr22	50178693	50178693	+	1.055E-16	1.6484E-15	0.282423	hyper	sig	chr22_50178693
chr11	92969487	92969487	+	1.056E-16	1.6513E-15	0.304072	hyper	sig	chr11_92969487
chr6	33976066	33976066	+	1.058E-16	1.6534E-15	0.259911	hyper	sig	chr6_33976066
chr13	36298152	36298152	+	1.058E-16	1.6536E-15	0.25219	hyper	sig	chr13_36298152
chr3	1.38E+08	137763075	+	1.058E-16	1.6537E-15	0.233171	hyper	sig	chr3_137763075
chr11	19714116	19714116	+	1.059E-16	1.6553E-15	0.255788	hyper	sig	chr11_19714116
chr20	51023536	51023536	+	1.06E-16	1.6561E-15	0.326003	hyper	sig	chr20_51023536
chr20	45304307	45304307	+	1.06E-16	1.6572E-15	0.282771	hyper	sig	chr20_45304307
chr12	1.31E+08	131166694	+	1.061E-16	1.6578E-15	-0.31709	hypo	sig	chr12_131166694
chr14	38210424	38210424	+	1.061E-16	1.6578E-15	0.305462	hyper	sig	chr14_38210424
chr10	1.34E+08	133529701	+	1.061E-16	1.6589E-15	0.282061	hyper	sig	chr10_133529701
chr11	49561277	49561277	+	1.062E-16	1.6594E-15	0.277449	hyper	sig	chr11_49561277
chr2	2.22E+08	222426288	+	1.062E-16	1.6604E-15	-0.29385	hypo	sig	chr2_222426288
chr2	2.22E+08	222297330	+	1.063E-16	1.6609E-15	0.240432	hyper	sig	chr2_222297330
chr19	41331145	41331145	+	1.063E-16	1.6609E-15	-0.29207	hypo	sig	chr19_41331145
chr12	139943	139943	+	1.064E-16	1.6626E-15	0.341568	hyper	sig	chr12_139943
chr12	1.18E+08	117764479	+	1.064E-16	1.663E-15	-0.24847	hypo	sig	chr12_117764479
chr11	64759849	64759849	+	1.065E-16	1.6639E-15	0.253302	hyper	sig	chr11_64759849
chr12	1.31E+08	130954148	+	1.065E-16	1.6643E-15	0.219901	hyper	sig	chr12_130954148
chr17	7929836	7929836	+	1.065E-16	1.6647E-15	0.285193	hyper	sig	chr17_7929836
chr2	63057422	63057422	+	1.066E-16	1.6662E-15	0.272098	hyper	sig	chr2_63057422
chr21	33025918	33025918	+	1.067E-16	1.667E-15	0.269727	hyper	sig	chr21_33025918
chr11	1.23E+08	123431386	+	1.068E-16	1.6686E-15	0.234042	hyper	sig	chr11_123431386
chr9	19788249	19788249	+	1.068E-16	1.6689E-15	0.288283	hyper	sig	chr9_19788249
chr8	1.41E+08	141388300	+	1.068E-16	1.6689E-15	-0.29502	hypo	sig	chr8_141388300
chr2	45010594	45010594	+	1.069E-16	1.6694E-15	0.239252	hyper	sig	chr2_45010594
chr7	30505455	30505455	+	1.069E-16	1.6697E-15	-0.22101	hypo	sig	chr7_30505455
chr17	77320352	77320352	+	1.069E-16	1.67E-15	0.281682	hyper	sig	chr17_77320352
chr5	1.41E+08	141094664	+	1.069E-16	1.67E-15	0.270929	hyper	sig	chr5_141094664

chr2	24926465	24926465	+	1.069E-16	1.6706E-15	-0.25119	hypo	sig	chr2_24926465
chr10	15103361	15103361	+	1.07E-16	1.6713E-15	0.217688	hyper	sig	chr10_15103361
chr16	2127268	2127268	+	1.07E-16	1.6719E-15	0.224238	hyper	sig	chr16_2127268
chr10	26218500	26218500	+	1.071E-16	1.6725E-15	0.312286	hyper	sig	chr10_26218500
chr16	85892452	85892452	+	1.071E-16	1.6732E-15	-0.264	hypo	sig	chr16_85892452
chr19	4051725	4051725	+	1.071E-16	1.6734E-15	-0.26366	hypo	sig	chr19_4051725
chr4	1.85E+08	185017769	+	1.071E-16	1.6736E-15	0.235759	hyper	sig	chr4_185017769
chr2	1.09E+08	109172367	+	1.073E-16	1.6756E-15	0.292806	hyper	sig	chr2_109172367
chr2	1.82E+08	181683557	+	1.073E-16	1.676E-15	0.303119	hyper	sig	chr2_181683557
chr16	86508043	86508043	+	1.074E-16	1.6768E-15	0.264868	hyper	sig	chr16_86508043
chr17	35488538	35488538	+	1.074E-16	1.6774E-15	0.254137	hyper	sig	chr17_35488538
chr5	1967182	1967182	+	1.076E-16	1.6803E-15	-0.26091	hypo	sig	chr5_1967182
chr1	90724553	90724553	+	1.076E-16	1.6807E-15	0.266793	hyper	sig	chr1_90724553
chr5	1.41E+08	141183857	+	1.076E-16	1.681E-15	0.266028	hyper	sig	chr5_141183857
chr20	63494681	63494681	+	1.076E-16	1.6811E-15	-0.41343	hypo	sig	chr20_63494681
chr12	24562932	24562932	+	1.077E-16	1.6813E-15	0.237256	hyper	sig	chr12_24562932
chr15	67826243	67826243	+	1.077E-16	1.6816E-15	0.279919	hyper	sig	chr15_67826243
chr1	24931326	24931326	+	1.077E-16	1.6824E-15	0.39991	hyper	sig	chr1_24931326
chr2	45004674	45004674	+	1.078E-16	1.6835E-15	0.203272	hyper	sig	chr2_45004674
chr11	64340998	64340998	+	1.078E-16	1.6837E-15	0.251166	hyper	sig	chr11_64340998
chr8	12380353	12380353	+	1.079E-16	1.6845E-15	-0.22071	hypo	sig	chr8_12380353
chr5	58583673	58583673	+	1.081E-16	1.6883E-15	0.293291	hyper	sig	chr5_58583673
chr1	22451255	22451255	+	1.082E-16	1.6888E-15	-0.25255	hypo	sig	chr1_22451255
chr11	77039303	77039303	+	1.082E-16	1.6895E-15	-0.39336	hypo	sig	chr11_77039303
chr5	1.42E+08	142322876	+	1.082E-16	1.6897E-15	-0.31718	hypo	sig	chr5_142322876
chr2	2.19E+08	218859013	+	1.083E-16	1.6906E-15	0.220975	hyper	sig	chr2_218859013
chr22	19149398	19149398	+	1.083E-16	1.6915E-15	0.232192	hyper	sig	chr22_19149398
chr7	1.55E+08	154913741	+	1.086E-16	1.6954E-15	0.202027	hyper	sig	chr7_154913741
chr8	51809299	51809299	+	1.087E-16	1.6967E-15	0.300655	hyper	sig	chr8_51809299
chr7	2734992	2734992	+	1.087E-16	1.6976E-15	0.293351	hyper	sig	chr7_2734992
chr11	1.19E+08	118679670	+	1.088E-16	1.6992E-15	-0.23046	hypo	sig	chr11_118679670
chr13	36430399	36430399	+	1.089E-16	1.6994E-15	0.246697	hyper	sig	chr13_36430399
chr4	305211	305211	+	1.089E-16	1.6994E-15	0.271687	hyper	sig	chr4_305211
chr13	27975828	27975828	+	1.089E-16	1.6995E-15	0.244921	hyper	sig	chr13_27975828
chr1	1.44E+08	143661938	+	1.089E-16	1.6995E-15	0.252721	hyper	sig	chr1_143661938
chr17	299824	299824	+	1.091E-16	1.7024E-15	0.24239	hyper	sig	chr17_299824
chr7	35253442	35253442	+	1.091E-16	1.7025E-15	0.204083	hyper	sig	chr7_35253442
chr4	5890600	5890600	+	1.091E-16	1.7035E-15	0.313821	hyper	sig	chr4_5890600
chr8	98949890	98949890	+	1.092E-16	1.7047E-15	0.241589	hyper	sig	chr8_98949890
chr18	79411847	79411847	+	1.092E-16	1.705E-15	0.253071	hyper	sig	chr18_79411847
chr20	24470450	24470450	+	1.094E-16	1.7069E-15	0.229235	hyper	sig	chr20_24470450
chr17	6995743	6995743	+	1.094E-16	1.7076E-15	0.293377	hyper	sig	chr17_6995743
chr12	1.15E+08	114699970	+	1.095E-16	1.7083E-15	0.254731	hyper	sig	chr12_114699970
chr2	394570	394570	+	1.095E-16	1.7088E-15	-0.28604	hypo	sig	chr2_394570
chr12	53936108	53936108	+	1.096E-16	1.7097E-15	0.301944	hyper	sig	chr12_53936108
chr7	1.04E+08	103990579	+	1.096E-16	1.7102E-15	0.210312	hyper	sig	chr7_103990579
chr5	161409	161409	+	1.096E-16	1.7103E-15	-0.25044	hypo	sig	chr5_161409
chr12	1.19E+08	119390771	+	1.097E-16	1.7119E-15	-0.26162	hypo	sig	chr12_119390771
chr10	80356731	80356731	+	1.097E-16	1.7124E-15	0.204167	hyper	sig	chr10_80356731
chr2	2.4E+08	240234190	+	1.098E-16	1.714E-15	-0.25677	hypo	sig	chr2_240234190
chr9	1.34E+08	133972365	+	1.099E-16	1.7142E-15	-0.33102	hypo	sig	chr9_133972365
chr19	2428363	2428363	+	1.099E-16	1.7148E-15	0.248022	hyper	sig	chr19_2428363
chr6	1608123	1608123	+	1.099E-16	1.7152E-15	0.254217	hyper	sig	chr6_1608123
chr12	54047492	54047492	+	1.099E-16	1.7152E-15	0.321424	hyper	sig	chr12_54047492
chr1	1.11E+08	111191046	+	1.1E-16	1.7167E-15	-0.21901	hypo	sig	chr1_111191046
chr12	6824222	6824222	+	1.101E-16	1.718E-15	-0.26771	hypo	sig	chr12_6824222

chr13	1.13E+08	112651390	+	1.101E-16	1.7184E-15	-0.25733	hypo	sig	chr13_112651390
chr16	89834167	89834167	+	1.102E-16	1.7188E-15	-0.23361	hypo	sig	chr16_89834167
chr14	26205020	26205020	+	1.103E-16	1.72E-15	0.283216	hyper	sig	chr14_26205020
chr5	1.41E+08	141245852	+	1.103E-16	1.7206E-15	0.239379	hyper	sig	chr5_141245852
chr9	1.09E+08	109167472	+	1.103E-16	1.721E-15	0.29257	hyper	sig	chr9_109167472
chr15	40322943	40322943	+	1.104E-16	1.7225E-15	0.241572	hyper	sig	chr15_40322943
chr6	13860192	13860192	+	1.105E-16	1.7234E-15	0.257015	hyper	sig	chr6_13860192
chr1	16535535	16535535	+	1.105E-16	1.7235E-15	0.271615	hyper	sig	chr1_16535535
chr1	46551182	46551182	+	1.106E-16	1.7254E-15	-0.27235	hypo	sig	chr1_46551182
chr22	17370739	17370739	+	1.107E-16	1.7264E-15	0.227253	hyper	sig	chr22_17370739
chr6	1.59E+08	159129266	+	1.107E-16	1.7265E-15	-0.21493	hypo	sig	chr6_159129266
chr12	53974490	53974490	+	1.107E-16	1.7268E-15	0.219588	hyper	sig	chr12_53974490
chr8	1.2E+08	119673024	+	1.107E-16	1.7268E-15	0.22172	hyper	sig	chr8_119673024
chr6	401429	401429	+	1.108E-16	1.7276E-15	-0.21829	hypo	sig	chr6_401429
chr16	87680751	87680751	+	1.108E-16	1.7289E-15	-0.25027	hypo	sig	chr16_87680751
chr1	9183583	9183583	+	1.109E-16	1.7291E-15	0.248613	hyper	sig	chr1_9183583
chr12	43571984	43571984	+	1.109E-16	1.7292E-15	0.277032	hyper	sig	chr12_43571984
chr2	2.32E+08	231927148	+	1.109E-16	1.7294E-15	0.221019	hyper	sig	chr2_231927148
chr10	69104015	69104015	+	1.109E-16	1.73E-15	-0.24754	hypo	sig	chr10_69104015
chr8	41301117	41301117	+	1.109E-16	1.7303E-15	-0.24582	hypo	sig	chr8_41301117
chr5	1.41E+08	141392719	+	1.11E-16	1.7304E-15	0.267091	hyper	sig	chr5_141392719
chr2	1.13E+08	113291279	+	1.111E-16	1.7325E-15	0.298517	hyper	sig	chr2_113291279
chr1	17617840	17617840	+	1.111E-16	1.7326E-15	0.211868	hyper	sig	chr1_17617840
chr8	23702522	23702522	+	1.112E-16	1.7339E-15	0.284247	hyper	sig	chr8_23702522
chr16	54290647	54290647	+	1.113E-16	1.735E-15	0.388739	hyper	sig	chr16_54290647
chr6	1.26E+08	125644594	+	1.113E-16	1.7351E-15	-0.24818	hypo	sig	chr6_125644594
chr3	1.2E+08	120450926	+	1.114E-16	1.7366E-15	0.280264	hyper	sig	chr3_120450926
chr11	66639777	66639777	+	1.115E-16	1.739E-15	0.201451	hyper	sig	chr11_66639777
chr4	1.54E+08	153761507	+	1.116E-16	1.7394E-15	-0.21722	hypo	sig	chr4_153761507
chr22	28443182	28443182	+	1.116E-16	1.7399E-15	0.202249	hyper	sig	chr22_28443182
chr6	1.7E+08	170222871	+	1.116E-16	1.7407E-15	-0.25632	hypo	sig	chr6_170222871
chr8	98948226	98948226	+	1.117E-16	1.7416E-15	0.210403	hyper	sig	chr8_98948226
chr11	15114954	15114954	+	1.117E-16	1.7423E-15	0.276118	hyper	sig	chr11_15114954
chr5	1.5E+08	150488727	+	1.118E-16	1.7424E-15	0.318842	hyper	sig	chr5_150488727
chr13	34943237	34943237	+	1.118E-16	1.7428E-15	0.299724	hyper	sig	chr13_34943237
chr17	40779669	40779669	+	1.118E-16	1.7431E-15	0.233796	hyper	sig	chr17_40779669
chr2	1.39E+08	138779561	+	1.118E-16	1.7431E-15	0.269268	hyper	sig	chr2_138779561
chr19	52453550	52453550	+	1.118E-16	1.7436E-15	0.237007	hyper	sig	chr19_52453550
chr10	34974228	34974228	+	1.119E-16	1.744E-15	-0.30249	hypo	sig	chr10_34974228
chr20	38674300	38674300	+	1.121E-16	1.7475E-15	0.355602	hyper	sig	chr20_38674300
chr20	48373161	48373161	+	1.121E-16	1.7476E-15	-0.27445	hypo	sig	chr20_48373161
chr11	17541578	17541578	+	1.121E-16	1.748E-15	-0.25398	hypo	sig	chr11_17541578
chr2	1.31E+08	130930933	+	1.122E-16	1.7491E-15	-0.23959	hypo	sig	chr2_130930933
chr11	65048244	65048244	+	1.125E-16	1.754E-15	0.290461	hyper	sig	chr11_65048244
chr1	2473439	2473439	+	1.126E-16	1.7544E-15	-0.3174	hypo	sig	chr1_2473439
chr1	50048643	50048643	+	1.126E-16	1.7547E-15	0.310226	hyper	sig	chr1_50048643
chr7	1.51E+08	151199454	+	1.126E-16	1.7547E-15	0.323214	hyper	sig	chr7_151199454
chr6	98842506	98842506	+	1.126E-16	1.755E-15	0.290482	hyper	sig	chr6_98842506
chr10	23203919	23203919	+	1.126E-16	1.7552E-15	0.261594	hyper	sig	chr10_23203919
chr4	89836310	89836310	+	1.127E-16	1.7557E-15	0.216859	hyper	sig	chr4_89836310
chr16	86513256	86513256	+	1.127E-16	1.756E-15	0.314879	hyper	sig	chr16_86513256
chr10	1.33E+08	133083254	+	1.127E-16	1.7565E-15	0.367635	hyper	sig	chr10_133083254
chr17	38421443	38421443	+	1.128E-16	1.7572E-15	0.247159	hyper	sig	chr17_38421443
chr10	1.01E+08	101226157	+	1.128E-16	1.7575E-15	0.281557	hyper	sig	chr10_101226157
chr16	89972199	89972199	+	1.129E-16	1.7594E-15	0.253701	hyper	sig	chr16_89972199
chr11	66317423	66317423	+	1.13E-16	1.7608E-15	0.206729	hyper	sig	chr11_66317423

chr6	7051292	7051292	+	1.13E-16	1.761E-15	-0.21689	hypo	sig	chr6_7051292
chr12	1.32E+08	132261023	+	1.13E-16	1.7613E-15	-0.30755	hypo	sig	chr12_132261023
chr6	1E+08	100463851	+	1.131E-16	1.7628E-15	0.233861	hyper	sig	chr6_100463851
chr11	69382562	69382562	+	1.132E-16	1.7632E-15	-0.28148	hypo	sig	chr11_69382562
chr4	3370174	3370174	+	1.132E-16	1.7633E-15	0.207411	hyper	sig	chr4_3370174
chr11	2135257	2135257	+	1.132E-16	1.7633E-15	-0.27372	hypo	sig	chr11_2135257
chr12	52007676	52007676	+	1.133E-16	1.7645E-15	0.229379	hyper	sig	chr12_52007676
chr13	99992208	99992208	+	1.133E-16	1.7649E-15	0.231778	hyper	sig	chr13_99992208
chr15	47184239	47184239	+	1.134E-16	1.7663E-15	0.20131	hyper	sig	chr15_47184239
chr1	6474819	6474819	+	1.134E-16	1.7666E-15	-0.28237	hypo	sig	chr1_6474819
chr10	1.34E+08	133528021	+	1.135E-16	1.7676E-15	0.333712	hyper	sig	chr10_133528021
chr19	48400000	48400000	+	1.135E-16	1.7679E-15	-0.27772	hypo	sig	chr19_48400000
chr1	22559162	22559162	+	1.136E-16	1.7687E-15	-0.26392	hypo	sig	chr1_22559162
chr18	79365698	79365698	+	1.136E-16	1.7687E-15	0.268682	hyper	sig	chr18_79365698
chr6	31730874	31730874	+	1.136E-16	1.7687E-15	-0.21407	hypo	sig	chr6_31730874
chr5	1.47E+08	146879005	+	1.136E-16	1.7695E-15	0.251632	hyper	sig	chr5_146879005
chr2	85410077	85410077	+	1.138E-16	1.7727E-15	-0.29999	hypo	sig	chr2_85410077
chr2	2.36E+08	235934394	+	1.139E-16	1.7743E-15	0.226155	hyper	sig	chr2_235934394
chr4	26804727	26804727	+	1.139E-16	1.7743E-15	0.269393	hyper	sig	chr4_26804727
chr5	1.41E+08	141478141	+	1.14E-16	1.776E-15	0.25934	hyper	sig	chr5_141478141
chr7	1.17E+08	117323448	+	1.14E-16	1.7762E-15	0.309499	hyper	sig	chr7_117323448
chr17	5498942	5498942	+	1.141E-16	1.7765E-15	-0.29676	hypo	sig	chr17_5498942
chr8	41876141	41876141	+	1.141E-16	1.7768E-15	0.232372	hyper	sig	chr8_41876141
chr14	1.03E+08	102923685	+	1.142E-16	1.7779E-15	0.248203	hyper	sig	chr14_102923685
chr10	1.01E+08	101140754	+	1.143E-16	1.7798E-15	0.253596	hyper	sig	chr10_101140754
chr11	62541077	62541077	+	1.143E-16	1.78E-15	0.223666	hyper	sig	chr11_62541077
chr7	1.55E+08	155381594	+	1.143E-16	1.7802E-15	0.235012	hyper	sig	chr7_155381594
chr11	31825621	31825621	+	1.144E-16	1.7806E-15	0.332921	hyper	sig	chr11_31825621
chr2	42568053	42568053	+	1.145E-16	1.7831E-15	0.26071	hyper	sig	chr2_42568053
chr11	6570896	6570896	+	1.146E-16	1.784E-15	0.286988	hyper	sig	chr11_6570896
chr19	2516968	2516968	+	1.147E-16	1.7854E-15	-0.30145	hypo	sig	chr19_2516968
chr8	71843447	71843447	+	1.147E-16	1.7854E-15	0.297374	hyper	sig	chr8_71843447
chr11	44929701	44929701	+	1.147E-16	1.7857E-15	-0.25002	hypo	sig	chr11_44929701
chr16	85592811	85592811	+	1.147E-16	1.7861E-15	0.279523	hyper	sig	chr16_85592811
chr8	1.44E+08	144107661	+	1.147E-16	1.7861E-15	0.266328	hyper	sig	chr8_144107661
chr1	15156214	15156214	+	1.147E-16	1.7865E-15	0.310135	hyper	sig	chr1_15156214
chr5	63960411	63960411	+	1.147E-16	1.7865E-15	0.256599	hyper	sig	chr5_63960411
chr16	89972136	89972136	+	1.148E-16	1.7871E-15	0.325636	hyper	sig	chr16_89972136
chr7	1.58E+08	157522418	+	1.148E-16	1.7874E-15	-0.27449	hypo	sig	chr7_157522418
chr15	98439234	98439234	+	1.149E-16	1.7882E-15	-0.24127	hypo	sig	chr15_98439234
chr17	76123878	76123878	+	1.149E-16	1.7885E-15	-0.23843	hypo	sig	chr17_76123878
chr4	1.85E+08	184951384	+	1.149E-16	1.7894E-15	-0.23732	hypo	sig	chr4_184951384
chr15	40302495	40302495	+	1.151E-16	1.7926E-15	-0.2506	hypo	sig	chr15_40302495
chr10	1.01E+08	101291454	+	1.152E-16	1.7938E-15	0.29531	hyper	sig	chr10_101291454
chr17	8888552	8888552	+	1.153E-16	1.7954E-15	0.237745	hyper	sig	chr17_8888552
chr2	2.19E+08	219447299	+	1.154E-16	1.7965E-15	0.251452	hyper	sig	chr2_219447299
chr4	1.33E+08	133147444	+	1.155E-16	1.7975E-15	0.241292	hyper	sig	chr4_133147444
chr2	2.35E+08	235263811	+	1.155E-16	1.798E-15	-0.23954	hypo	sig	chr2_235263811
chr19	53058144	53058144	+	1.156E-16	1.7989E-15	0.31172	hyper	sig	chr19_53058144
chr1	2.07E+08	206504386	+	1.156E-16	1.7993E-15	-0.23071	hypo	sig	chr1_206504386
chr19	53255247	53255247	+	1.157E-16	1.8002E-15	0.343748	hyper	sig	chr19_53255247
chr4	1.72E+08	171813710	+	1.157E-16	1.8007E-15	0.341351	hyper	sig	chr4_171813710
chr2	1.53E+08	153478219	+	1.157E-16	1.8008E-15	0.251079	hyper	sig	chr2_153478219
chr1	46493013	46493013	+	1.157E-16	1.8012E-15	0.290112	hyper	sig	chr1_46493013
chr6	1.06E+08	105981334	+	1.157E-16	1.8013E-15	0.247961	hyper	sig	chr6_105981334
chr17	1618029	1618029	+	1.158E-16	1.8024E-15	-0.20667	hypo	sig	chr17_1618029

chr19	19261104	19261104	+	1.158E-16	1.8028E-15	0.275863	hyper	sig	chr19_19261104
chr7	23710068	23710068	+	1.159E-16	1.8037E-15	-0.25663	hypo	sig	chr7_23710068
chr4	1E+08	100190005	+	1.16E-16	1.8055E-15	0.200292	hyper	sig	chr4_100190005
chr1	9714651	9714651	+	1.161E-16	1.8068E-15	-0.23663	hypo	sig	chr1_9714651
chr5	1.73E+08	173233906	+	1.161E-16	1.8068E-15	0.26194	hyper	sig	chr5_173233906
chr8	26048544	26048544	+	1.162E-16	1.8075E-15	0.229092	hyper	sig	chr8_26048544
chr3	1.96E+08	195851357	+	1.163E-16	1.8089E-15	-0.25535	hypo	sig	chr3_195851357
chr16	3086912	3086912	+	1.163E-16	1.81E-15	-0.34063	hypo	sig	chr16_3086912
chr12	46831040	46831040	+	1.163E-16	1.8103E-15	0.248036	hyper	sig	chr12_46831040
chr19	7873648	7873648	+	1.164E-16	1.8104E-15	0.333844	hyper	sig	chr19_7873648
chr13	94712360	94712360	+	1.165E-16	1.8121E-15	0.234279	hyper	sig	chr13_94712360
chr19	58098528	58098528	+	1.165E-16	1.8129E-15	0.236904	hyper	sig	chr19_58098528
chr8	57211815	57211815	+	1.167E-16	1.815E-15	-0.25648	hypo	sig	chr8_57211815
chr6	1.68E+08	167815706	+	1.167E-16	1.8153E-15	-0.26428	hypo	sig	chr6_167815706
chr19	18008013	18008013	+	1.167E-16	1.8156E-15	0.227762	hyper	sig	chr19_18008013
chr1	2.15E+08	215083292	+	1.167E-16	1.8157E-15	0.236676	hyper	sig	chr1_215083292
chr13	1.11E+08	110869634	+	1.167E-16	1.8157E-15	-0.3346	hypo	sig	chr13_110869634
chr16	1258080	1258080	+	1.168E-16	1.8163E-15	-0.3557	hypo	sig	chr16_1258080
chr8	1.43E+08	143247705	+	1.168E-16	1.8174E-15	-0.27418	hypo	sig	chr8_143247705
chr10	1.01E+08	101228531	+	1.168E-16	1.8175E-15	0.211114	hyper	sig	chr10_101228531
chr5	1.41E+08	141366663	+	1.168E-16	1.8175E-15	0.274672	hyper	sig	chr5_141366663
chr12	1.13E+08	113077577	+	1.17E-16	1.8195E-15	0.22594	hyper	sig	chr12_113077577
chr5	37836346	37836346	+	1.17E-16	1.8196E-15	0.414599	hyper	sig	chr5_37836346
chr18	9535820	9535820	+	1.17E-16	1.8199E-15	0.319749	hyper	sig	chr18_9535820
chr6	34430245	34430245	+	1.17E-16	1.8199E-15	-0.27916	hypo	sig	chr6_34430245
chr14	74501537	74501537	+	1.17E-16	1.8202E-15	0.276011	hyper	sig	chr14_74501537
chr16	62036095	62036095	+	1.171E-16	1.8218E-15	0.215695	hyper	sig	chr16_62036095
chr1	3290975	3290975	+	1.172E-16	1.8236E-15	-0.20714	hypo	sig	chr1_3290975
chr21	44920925	44920925	+	1.172E-16	1.8236E-15	-0.24258	hypo	sig	chr21_44920925
chr16	85845536	85845536	+	1.173E-16	1.8236E-15	0.202867	hyper	sig	chr16_85845536
chr15	89408158	89408158	+	1.173E-16	1.8239E-15	0.289032	hyper	sig	chr15_89408158
chr16	3295146	3295146	+	1.174E-16	1.8262E-15	0.246626	hyper	sig	chr16_3295146
chr8	1.42E+08	141974578	+	1.175E-16	1.827E-15	-0.22445	hypo	sig	chr8_141974578
chr2	86789073	86789073	+	1.175E-16	1.8276E-15	0.269655	hyper	sig	chr2_86789073
chr19	58562089	58562089	+	1.175E-16	1.8276E-15	0.258812	hyper	sig	chr19_58562089
chr1	2.36E+08	236396022	+	1.176E-16	1.8282E-15	0.328054	hyper	sig	chr1_236396022
chr21	45745890	45745890	+	1.177E-16	1.8304E-15	-0.2074	hypo	sig	chr21_45745890
chr5	1.41E+08	141431446	+	1.178E-16	1.8314E-15	0.333333	hyper	sig	chr5_141431446
chr14	1.01E+08	100793804	+	1.178E-16	1.8315E-15	-0.2973	hypo	sig	chr14_100793804
chr2	660799	660799	+	1.178E-16	1.8319E-15	0.257053	hyper	sig	chr2_660799
chr14	94773361	94773361	+	1.178E-16	1.832E-15	0.277918	hyper	sig	chr14_94773361
chr14	74241208	74241208	+	1.181E-16	1.836E-15	0.302155	hyper	sig	chr14_74241208
chr19	57614757	57614757	+	1.182E-16	1.837E-15	0.336393	hyper	sig	chr19_57614757
chr4	1.11E+08	110639968	+	1.182E-16	1.8377E-15	0.315724	hyper	sig	chr4_110639968
chr8	1.45E+08	144714114	+	1.183E-16	1.8386E-15	0.296679	hyper	sig	chr8_144714114
chr22	24427588	24427588	+	1.183E-16	1.8389E-15	-0.25567	hypo	sig	chr22_24427588
chr6	1.5E+08	149965001	+	1.183E-16	1.8398E-15	0.246492	hyper	sig	chr6_149965001
chr12	1.17E+08	117359437	+	1.184E-16	1.8408E-15	0.268431	hyper	sig	chr12_117359437
chr5	50969830	50969830	+	1.184E-16	1.8412E-15	0.207128	hyper	sig	chr5_50969830
chr16	88329135	88329135	+	1.187E-16	1.8451E-15	-0.23558	hypo	sig	chr16_88329135
chr19	15232388	15232388	+	1.187E-16	1.8453E-15	0.304232	hyper	sig	chr19_15232388
chr2	2.38E+08	237733382	+	1.187E-16	1.8455E-15	0.243687	hyper	sig	chr2_237733382
chr2	63056223	63056223	+	1.187E-16	1.8456E-15	0.315341	hyper	sig	chr2_63056223
chr2	910964	910964	+	1.188E-16	1.8467E-15	-0.24492	hypo	sig	chr2_910964
chr13	24764041	24764041	+	1.188E-16	1.8467E-15	-0.31645	hypo	sig	chr13_24764041
chr8	1.42E+08	142464579	+	1.188E-16	1.8469E-15	0.362586	hyper	sig	chr8_142464579

chr14	89429385	89429385	+	1.188E-16	1.847E-15	0.233565	hyper	sig	chr14_89429385
chr8	72250297	72250297	+	1.188E-16	1.847E-15	-0.20064	hypo	sig	chr8_72250297
chr6	28988641	28988641	+	1.189E-16	1.8485E-15	0.204847	hyper	sig	chr6_28988641
chr5	1.41E+08	141332811	+	1.19E-16	1.8491E-15	0.304749	hyper	sig	chr5_141332811
chr19	54662950	54662950	+	1.191E-16	1.8503E-15	-0.27953	hypo	sig	chr19_54662950
chr1	1.11E+08	110675654	+	1.193E-16	1.8536E-15	0.260842	hyper	sig	chr1_110675654
chr13	57633516	57633516	+	1.193E-16	1.8545E-15	0.267862	hyper	sig	chr13_57633516
chr17	81648826	81648826	+	1.194E-16	1.8552E-15	0.217655	hyper	sig	chr17_81648826
chr19	45766986	45766986	+	1.194E-16	1.8552E-15	0.296887	hyper	sig	chr19_45766986
chr15	65085643	65085643	+	1.194E-16	1.8553E-15	0.206777	hyper	sig	chr15_65085643
chr1	1.57E+08	156860474	+	1.195E-16	1.8565E-15	0.215475	hyper	sig	chr1_156860474
chr7	1027787	1027787	+	1.195E-16	1.8565E-15	0.236861	hyper	sig	chr7_1027787
chr11	69086641	69086641	+	1.196E-16	1.8579E-15	0.311161	hyper	sig	chr11_69086641
chr10	74001167	74001167	+	1.197E-16	1.8592E-15	0.304421	hyper	sig	chr10_74001167
chr22	16602852	16602852	+	1.197E-16	1.8602E-15	0.307655	hyper	sig	chr22_16602852
chr1	22652167	22652167	+	1.197E-16	1.8603E-15	-0.22091	hypo	sig	chr1_22652167
chr4	15677975	15677975	+	1.198E-16	1.8611E-15	-0.32903	hypo	sig	chr4_15677975
chr3	52290073	52290073	+	1.198E-16	1.8613E-15	-0.27089	hypo	sig	chr3_52290073
chr20	31474359	31474359	+	1.198E-16	1.8614E-15	-0.27457	hypo	sig	chr20_31474359
chr11	69115904	69115904	+	1.198E-16	1.8615E-15	-0.29956	hypo	sig	chr11_69115904
chr1	1.45E+08	144567571	+	1.2E-16	1.8643E-15	0.282772	hyper	sig	chr1_144567571
chr11	92907427	92907427	+	1.203E-16	1.8681E-15	-0.23382	hypo	sig	chr11_92907427
chr9	1.36E+08	136342355	+	1.203E-16	1.8682E-15	0.280918	hyper	sig	chr9_136342355
chr19	48551747	48551747	+	1.203E-16	1.8687E-15	-0.24268	hypo	sig	chr19_48551747
chr2	1.21E+08	120589826	+	1.205E-16	1.8723E-15	-0.2436	hypo	sig	chr2_120589826
chr7	1027740	1027740	+	1.206E-16	1.8728E-15	0.212594	hyper	sig	chr7_1027740
chr2	63055890	63055890	+	1.206E-16	1.8729E-15	0.252193	hyper	sig	chr2_63055890
chr20	25084737	25084737	+	1.206E-16	1.8735E-15	0.291844	hyper	sig	chr20_25084737
chr1	2E+08	200150888	+	1.207E-16	1.8739E-15	-0.24022	hypo	sig	chr1_200150888
chr18	8800255	8800255	+	1.207E-16	1.8745E-15	0.240528	hyper	sig	chr18_8800255
chr6	1.17E+08	116565048	+	1.207E-16	1.875E-15	0.314757	hyper	sig	chr6_116565048
chr3	32817853	32817853	+	1.208E-16	1.8761E-15	0.295222	hyper	sig	chr3_32817853
chr12	1.31E+08	130971079	+	1.209E-16	1.8769E-15	-0.2201	hypo	sig	chr12_130971079
chr16	49277592	49277592	+	1.209E-16	1.8774E-15	0.266805	hyper	sig	chr16_49277592
chr16	86508049	86508049	+	1.21E-16	1.8782E-15	0.307192	hyper	sig	chr16_86508049
chr14	97219493	97219493	+	1.21E-16	1.8787E-15	0.236355	hyper	sig	chr14_97219493
chr5	1.41E+08	140786560	+	1.21E-16	1.8788E-15	0.247038	hyper	sig	chr5_140786560
chr13	1.13E+08	113022780	+	1.21E-16	1.8793E-15	0.265669	hyper	sig	chr13_113022780
chr16	11743691	11743691	+	1.21E-16	1.8794E-15	-0.24342	hypo	sig	chr16_11743691
chr16	86504670	86504670	+	1.211E-16	1.8808E-15	0.292067	hyper	sig	chr16_86504670
chr19	39308328	39308328	+	1.211E-16	1.881E-15	0.363993	hyper	sig	chr19_39308328
chr16	85643317	85643317	+	1.212E-16	1.8814E-15	-0.28875	hypo	sig	chr16_85643317
chr20	62476292	62476292	+	1.212E-16	1.8818E-15	0.228297	hyper	sig	chr20_62476292
chr1	24964957	24964957	+	1.213E-16	1.8831E-15	-0.24794	hypo	sig	chr1_24964957
chr14	85529431	85529431	+	1.213E-16	1.884E-15	0.257041	hyper	sig	chr14_85529431
chr12	53936070	53936070	+	1.214E-16	1.8844E-15	0.332854	hyper	sig	chr12_53936070
chr2	44932487	44932487	+	1.214E-16	1.8844E-15	0.249319	hyper	sig	chr2_44932487
chr7	568853	568853	+	1.215E-16	1.8866E-15	0.26109	hyper	sig	chr7_568853
chr3	1.38E+08	137760750	+	1.216E-16	1.8874E-15	0.226805	hyper	sig	chr3_137760750
chr7	97004239	97004239	+	1.217E-16	1.8888E-15	0.273981	hyper	sig	chr7_97004239
chr1	99004533	99004533	+	1.217E-16	1.889E-15	0.293542	hyper	sig	chr1_99004533
chr5	1.41E+08	141346366	+	1.217E-16	1.8893E-15	0.232727	hyper	sig	chr5_141346366
chr17	7929845	7929845	+	1.217E-16	1.8894E-15	0.279862	hyper	sig	chr17_7929845
chr1	22563129	22563129	+	1.217E-16	1.8897E-15	0.23511	hyper	sig	chr1_22563129
chr13	1.12E+08	111630134	+	1.218E-16	1.8901E-15	0.261702	hyper	sig	chr13_111630134
chr20	63534294	63534294	+	1.218E-16	1.8901E-15	0.284768	hyper	sig	chr20_63534294

chr5	1.35E+08	135327290	+	1.218E-16	1.8904E-15	0.229217	hyper	sig	chr5_135327290
chr3	1.29E+08	128553880	+	1.219E-16	1.8921E-15	-0.25338	hypo	sig	chr3_128553880
chr11	1.34E+08	133955735	+	1.219E-16	1.8921E-15	0.23825	hyper	sig	chr11_133955735
chr17	44268120	44268120	+	1.219E-16	1.8923E-15	-0.34499	hypo	sig	chr17_44268120
chr6	39793061	39793061	+	1.219E-16	1.8923E-15	0.286417	hyper	sig	chr6_39793061
chr11	66417653	66417653	+	1.22E-16	1.8927E-15	-0.26543	hypo	sig	chr11_66417653
chr16	14303922	14303922	+	1.22E-16	1.8929E-15	0.244818	hyper	sig	chr16_14303922
chr3	1.28E+08	128483590	+	1.22E-16	1.8932E-15	0.324838	hyper	sig	chr3_128483590
chr6	42239772	42239772	+	1.22E-16	1.8937E-15	-0.28879	hypo	sig	chr6_42239772
chr5	33297744	33297744	+	1.222E-16	1.8958E-15	-0.32197	hypo	sig	chr5_33297744
chr5	1.77E+08	176873194	+	1.222E-16	1.8961E-15	-0.35605	hypo	sig	chr5_176873194
chr19	52924301	52924301	+	1.223E-16	1.897E-15	-0.2442	hypo	sig	chr19_52924301
chr12	53492425	53492425	+	1.225E-16	1.9003E-15	0.308086	hyper	sig	chr12_53492425
chr10	1.33E+08	132607546	+	1.225E-16	1.9005E-15	0.265374	hyper	sig	chr10_132607546
chr17	7903323	7903323	+	1.225E-16	1.9011E-15	0.230572	hyper	sig	chr17_7903323
chr12	57736577	57736577	+	1.226E-16	1.9029E-15	0.258863	hyper	sig	chr12_57736577
chr12	1.04E+08	104216207	+	1.226E-16	1.9029E-15	0.208825	hyper	sig	chr12_104216207
chr4	8601285	8601285	+	1.226E-16	1.9029E-15	-0.22728	hypo	sig	chr4_8601285
chr13	1.13E+08	112757183	+	1.227E-16	1.9034E-15	-0.25069	hypo	sig	chr13_112757183
chr2	1.82E+08	181685333	+	1.227E-16	1.9034E-15	0.243355	hyper	sig	chr2_181685333
chr11	2205250	2205250	+	1.228E-16	1.905E-15	-0.22395	hypo	sig	chr11_2205250
chr17	6893802	6893802	+	1.228E-16	1.905E-15	0.260128	hyper	sig	chr17_6893802
chr7	63070940	63070940	+	1.228E-16	1.9051E-15	-0.22715	hypo	sig	chr7_63070940
chr6	1.08E+08	108174743	+	1.228E-16	1.9054E-15	0.26903	hyper	sig	chr6_108174743
chr6	1.69E+08	168824881	+	1.229E-16	1.9068E-15	-0.20845	hypo	sig	chr6_168824881
chr7	1.28E+08	128201586	+	1.23E-16	1.9082E-15	0.272392	hyper	sig	chr7_128201586
chr11	32433202	32433202	+	1.23E-16	1.9084E-15	0.232054	hyper	sig	chr11_32433202
chr1	27399818	27399818	+	1.231E-16	1.9089E-15	0.290413	hyper	sig	chr1_27399818
chr12	54090584	54090584	+	1.231E-16	1.9099E-15	0.31036	hyper	sig	chr12_54090584
chr9	3180915	3180915	+	1.232E-16	1.9112E-15	0.212977	hyper	sig	chr9_3180915
chr22	19524516	19524516	+	1.234E-16	1.9134E-15	0.219483	hyper	sig	chr22_19524516
chr10	23191786	23191786	+	1.234E-16	1.9138E-15	0.217697	hyper	sig	chr10_23191786
chr2	2.4E+08	239805575	+	1.234E-16	1.9138E-15	-0.29512	hypo	sig	chr2_239805575
chr19	50728711	50728711	+	1.234E-16	1.9145E-15	0.28149	hyper	sig	chr19_50728711
chr3	64268029	64268029	+	1.235E-16	1.9147E-15	0.297051	hyper	sig	chr3_64268029
chr9	2623185	2623185	+	1.235E-16	1.9158E-15	0.247244	hyper	sig	chr9_2623185
chr2	80302934	80302934	+	1.236E-16	1.9161E-15	0.202325	hyper	sig	chr2_80302934
chr22	30266885	30266885	+	1.236E-16	1.9162E-15	-0.33289	hypo	sig	chr22_30266885
chr11	655518	655518	+	1.236E-16	1.9163E-15	-0.28724	hypo	sig	chr11_655518
chr5	51387544	51387544	+	1.236E-16	1.9174E-15	0.236881	hyper	sig	chr5_51387544
chr12	1.07E+08	106955117	+	1.237E-16	1.9178E-15	0.249173	hyper	sig	chr12_106955117
chr16	88731159	88731159	+	1.237E-16	1.918E-15	0.203664	hyper	sig	chr16_88731159
chr6	1.17E+08	116565046	+	1.237E-16	1.9187E-15	0.318469	hyper	sig	chr6_116565046
chr20	21104432	21104432	+	1.238E-16	1.919E-15	0.221164	hyper	sig	chr20_21104432
chr19	45385597	45385597	+	1.238E-16	1.9193E-15	0.328987	hyper	sig	chr19_45385597
chr14	77026441	77026441	+	1.239E-16	1.9207E-15	0.241922	hyper	sig	chr14_77026441
chr3	1.31E+08	130517700	+	1.239E-16	1.9207E-15	0.376663	hyper	sig	chr3_130517700
chr17	80478147	80478147	+	1.239E-16	1.9211E-15	0.246814	hyper	sig	chr17_80478147
chr8	1.33E+08	133212560	+	1.24E-16	1.9232E-15	-0.26996	hypo	sig	chr8_133212560
chr19	50358690	50358690	+	1.242E-16	1.9262E-15	0.205523	hyper	sig	chr19_50358690
chr1	2.3E+08	229570489	+	1.243E-16	1.9276E-15	-0.30431	hypo	sig	chr1_229570489
chr8	1.42E+08	142454219	+	1.243E-16	1.9276E-15	-0.24183	hypo	sig	chr8_142454219
chr6	401405	401405	+	1.244E-16	1.9281E-15	-0.2085	hypo	sig	chr6_401405
chr2	1.45E+08	144517722	+	1.245E-16	1.9298E-15	0.202067	hyper	sig	chr2_144517722
chr20	64064276	64064276	+	1.246E-16	1.931E-15	0.281017	hyper	sig	chr20_64064276
chr1	2318708	2318708	+	1.246E-16	1.932E-15	0.263294	hyper	sig	chr1_2318708

chr12	4909858	4909858	+	1.246E-16	1.9321E-15	0.278683	hyper	sig	chr12_4909858
chr2	2.02E+08	202171372	+	1.247E-16	1.9328E-15	0.28791	hyper	sig	chr2_202171372
chr7	19118511	19118511	+	1.247E-16	1.933E-15	0.260913	hyper	sig	chr7_19118511
chr22	24432687	24432687	+	1.247E-16	1.9336E-15	0.286848	hyper	sig	chr22_24432687
chr10	1341470	1341470	+	1.248E-16	1.9341E-15	-0.25847	hypo	sig	chr10_1341470
chr1	2305183	2305183	+	1.248E-16	1.9351E-15	0.292044	hyper	sig	chr1_2305183
chr3	8981906	8981906	+	1.25E-16	1.9369E-15	-0.22967	hypo	sig	chr3_8981906
chr9	1.37E+08	137130386	+	1.25E-16	1.9369E-15	0.216318	hyper	sig	chr9_137130386
chr6	33248061	33248061	+	1.25E-16	1.9373E-15	0.243465	hyper	sig	chr6_33248061
chr6	42925276	42925276	+	1.25E-16	1.9373E-15	0.315086	hyper	sig	chr6_42925276
chr3	58586977	58586977	+	1.25E-16	1.9375E-15	0.296853	hyper	sig	chr3_58586977
chr17	28717665	28717665	+	1.25E-16	1.9375E-15	0.325666	hyper	sig	chr17_28717665
chr10	92420794	92420794	+	1.251E-16	1.9382E-15	0.255095	hyper	sig	chr10_92420794
chr11	89777140	89777140	+	1.251E-16	1.9382E-15	-0.28141	hypo	sig	chr11_89777140
chr19	30672040	30672040	+	1.251E-16	1.9382E-15	-0.3195	hypo	sig	chr19_30672040
chr5	1.41E+08	141431535	+	1.251E-16	1.9389E-15	0.313151	hyper	sig	chr5_141431535
chr1	1.44E+08	143652124	+	1.252E-16	1.9396E-15	0.347061	hyper	sig	chr1_143652124
chr10	1.24E+08	124341122	+	1.252E-16	1.9401E-15	-0.21654	hypo	sig	chr10_124341122
chr4	1.83E+08	182805715	+	1.252E-16	1.9407E-15	-0.24278	hypo	sig	chr4_182805715
chr1	2273848	2273848	+	1.253E-16	1.9411E-15	0.301697	hyper	sig	chr1_2273848
chr16	88432144	88432144	+	1.253E-16	1.9411E-15	-0.25872	hypo	sig	chr16_88432144
chr20	46201086	46201086	+	1.253E-16	1.9411E-15	0.250592	hyper	sig	chr20_46201086
chr1	46492886	46492886	+	1.253E-16	1.9412E-15	0.24115	hyper	sig	chr1_46492886
chr7	6871588	6871588	+	1.253E-16	1.9415E-15	-0.24205	hypo	sig	chr7_6871588
chr17	77426374	77426374	+	1.254E-16	1.9428E-15	0.270564	hyper	sig	chr17_77426374
chr10	1.33E+08	132785047	+	1.254E-16	1.9431E-15	0.37008	hyper	sig	chr10_132785047
chr17	82000442	82000442	+	1.255E-16	1.9439E-15	-0.27483	hypo	sig	chr17_82000442
chr1	929538	929538	+	1.256E-16	1.9466E-15	-0.25415	hypo	sig	chr1_929538
chr19	35116317	35116317	+	1.257E-16	1.947E-15	-0.20967	hypo	sig	chr19_35116317
chr5	1.41E+08	141355191	+	1.257E-16	1.9471E-15	0.239275	hyper	sig	chr5_141355191
chr20	46232700	46232700	+	1.257E-16	1.9471E-15	-0.24502	hypo	sig	chr20_46232700
chr6	1.69E+08	168909418	+	1.257E-16	1.948E-15	-0.28043	hypo	sig	chr6_168909418
chr13	1.13E+08	113449099	+	1.258E-16	1.9481E-15	-0.28572	hypo	sig	chr13_113449099
chr2	949773	949773	+	1.258E-16	1.9482E-15	0.321361	hyper	sig	chr2_949773
chr19	33684648	33684648	+	1.258E-16	1.9482E-15	0.281341	hyper	sig	chr19_33684648
chr22	39456718	39456718	+	1.258E-16	1.9489E-15	0.240701	hyper	sig	chr22_39456718
chr11	1.3E+08	130189649	+	1.26E-16	1.951E-15	-0.26546	hypo	sig	chr11_130189649
chr10	1.33E+08	132964672	+	1.26E-16	1.9519E-15	-0.28595	hypo	sig	chr10_132964672
chr2	63056945	63056945	+	1.261E-16	1.9532E-15	0.257313	hyper	sig	chr2_63056945
chr22	18998119	18998119	+	1.262E-16	1.9541E-15	0.2426	hyper	sig	chr22_18998119
chr1	2.07E+08	206921912	+	1.262E-16	1.9544E-15	-0.24646	hypo	sig	chr1_206921912
chr16	696913	696913	+	1.262E-16	1.955E-15	-0.2779	hypo	sig	chr16_696913
chr5	1.16E+08	115816348	+	1.263E-16	1.9558E-15	0.254231	hyper	sig	chr5_115816348
chr6	1.69E+08	168999667	+	1.263E-16	1.9558E-15	-0.31335	hypo	sig	chr6_168999667
chr1	1.51E+08	150979311	+	1.263E-16	1.9559E-15	0.322329	hyper	sig	chr1_150979311
chr7	1.38E+08	137845264	+	1.263E-16	1.9567E-15	-0.26817	hypo	sig	chr7_137845264
chr1	1.79E+08	179025166	+	1.265E-16	1.9592E-15	-0.20108	hypo	sig	chr1_179025166
chr2	2.18E+08	218387048	+	1.265E-16	1.9598E-15	-0.2537	hypo	sig	chr2_218387048
chr6	28443253	28443253	+	1.267E-16	1.9619E-15	0.259887	hyper	sig	chr6_28443253
chr5	1395231	1395231	+	1.268E-16	1.9628E-15	0.269842	hyper	sig	chr5_1395231
chr11	58963424	58963424	+	1.268E-16	1.9632E-15	0.212874	hyper	sig	chr11_58963424
chr11	64291406	64291406	+	1.268E-16	1.9635E-15	0.205905	hyper	sig	chr11_64291406
chr13	36432128	36432128	+	1.269E-16	1.9645E-15	0.254546	hyper	sig	chr13_36432128
chr19	36776118	36776118	+	1.27E-16	1.9662E-15	0.35141	hyper	sig	chr19_36776118
chr1	1.22E+08	121519715	+	1.271E-16	1.9676E-15	0.222746	hyper	sig	chr1_121519715
chr19	12513652	12513652	+	1.273E-16	1.9707E-15	0.301589	hyper	sig	chr19_12513652

chr2	38515523	38515523	+	1.273E-16	1.9711E-15	0.232451	hyper	sig	chr2_38515523
chr7	1383454	1383454	+	1.274E-16	1.9728E-15	-0.24817	hypo	sig	chr7_1383454
chr7	163283	163283	+	1.275E-16	1.9732E-15	0.234063	hyper	sig	chr7_163283
chr2	70141616	70141616	+	1.275E-16	1.9744E-15	-0.30771	hypo	sig	chr2_70141616
chr2	2.4E+08	240144458	+	1.276E-16	1.9751E-15	-0.29032	hypo	sig	chr2_240144458
chr7	1.59E+08	158783294	+	1.277E-16	1.9772E-15	0.292182	hyper	sig	chr7_158783294
chr15	79090256	79090256	+	1.277E-16	1.9773E-15	0.267006	hyper	sig	chr15_79090256
chr11	3232666	3232666	+	1.277E-16	1.9774E-15	0.251384	hyper	sig	chr11_3232666
chr4	2746299	2746299	+	1.278E-16	1.9785E-15	-0.21606	hypo	sig	chr4_2746299
chr7	43112424	43112424	+	1.278E-16	1.979E-15	0.26725	hyper	sig	chr7_43112424
chr6	29680748	29680748	+	1.279E-16	1.9795E-15	-0.22679	hypo	sig	chr6_29680748
chr9	975075	975075	+	1.279E-16	1.98E-15	0.294205	hyper	sig	chr9_975075
chr19	19211745	19211745	+	1.279E-16	1.9803E-15	0.299362	hyper	sig	chr19_19211745
chr1	2.18E+08	218346748	+	1.28E-16	1.981E-15	0.215148	hyper	sig	chr1_218346748
chr8	54467585	54467585	+	1.28E-16	1.9815E-15	0.345508	hyper	sig	chr8_54467585
chr11	18209258	18209258	+	1.281E-16	1.9829E-15	0.3089	hyper	sig	chr11_18209258
chr1	63320390	63320390	+	1.282E-16	1.9845E-15	0.218622	hyper	sig	chr1_63320390
chr6	1.68E+08	167797444	+	1.283E-16	1.985E-15	-0.23525	hypo	sig	chr6_167797444
chr10	1.33E+08	133264744	+	1.284E-16	1.987E-15	-0.26572	hypo	sig	chr10_133264744
chr18	46758184	46758184	+	1.284E-16	1.9871E-15	0.250273	hyper	sig	chr18_46758184
chr12	1.24E+08	123909371	+	1.285E-16	1.989E-15	-0.26746	hypo	sig	chr12_123909371
chr4	3385493	3385493	+	1.286E-16	1.9906E-15	-0.34865	hypo	sig	chr4_3385493
chr2	2.41E+08	241161874	+	1.287E-16	1.992E-15	0.291411	hyper	sig	chr2_241161874
chr3	1.47E+08	147407949	+	1.288E-16	1.9934E-15	0.255185	hyper	sig	chr3_147407949
chr7	4879822	4879822	+	1.289E-16	1.9941E-15	0.248808	hyper	sig	chr7_4879822
chr2	74515696	74515696	+	1.289E-16	1.9949E-15	0.38247	hyper	sig	chr2_74515696
chr11	95150230	95150230	+	1.29E-16	1.9956E-15	-0.27405	hypo	sig	chr11_95150230
chr1	8027568	8027568	+	1.29E-16	1.9967E-15	-0.26073	hypo	sig	chr1_8027568
chr12	1.32E+08	132352766	+	1.291E-16	1.9971E-15	-0.30202	hypo	sig	chr12_132352766
chr1	1.19E+08	118983435	+	1.292E-16	1.9988E-15	0.359826	hyper	sig	chr1_118983435
chr10	1.34E+08	133529705	+	1.292E-16	1.9992E-15	0.286508	hyper	sig	chr10_133529705
chr13	36214539	36214539	+	1.292E-16	1.9992E-15	-0.23996	hypo	sig	chr13_36214539
chr20	21106153	21106153	+	1.292E-16	1.9992E-15	0.305783	hyper	sig	chr20_21106153
chr16	2231687	2231687	+	1.293E-16	2.0001E-15	0.220682	hyper	sig	chr16_2231687
chr2	10925041	10925041	+	1.295E-16	2.004E-15	-0.28043	hypo	sig	chr2_10925041
chr2	1.98E+08	197786551	+	1.295E-16	2.0042E-15	0.275155	hyper	sig	chr2_197786551
chr10	1.03E+08	103276872	+	1.296E-16	2.0049E-15	0.207417	hyper	sig	chr10_103276872
chr18	8366988	8366988	+	1.296E-16	2.0053E-15	-0.23347	hypo	sig	chr18_8366988
chr14	56817250	56817250	+	1.296E-16	2.0053E-15	0.322439	hyper	sig	chr14_56817250
chr10	1.3E+08	129972552	+	1.296E-16	2.0053E-15	0.323013	hyper	sig	chr10_129972552
chr14	47675805	47675805	+	1.297E-16	2.0057E-15	0.263703	hyper	sig	chr14_47675805
chr19	58217165	58217165	+	1.297E-16	2.0065E-15	0.294711	hyper	sig	chr19_58217165
chr10	618764	618764	+	1.297E-16	2.0066E-15	0.276234	hyper	sig	chr10_618764
chr2	3169597	3169597	+	1.299E-16	2.0089E-15	0.33793	hyper	sig	chr2_3169597
chr9	38237799	38237799	+	1.3E-16	2.0102E-15	-0.21288	hypo	sig	chr9_38237799
chr4	25863714	25863714	+	1.3E-16	2.0109E-15	-0.23872	hypo	sig	chr4_25863714
chr16	30081081	30081081	+	1.301E-16	2.012E-15	-0.25783	hypo	sig	chr16_30081081
chr10	49613448	49613448	+	1.301E-16	2.0121E-15	0.283447	hyper	sig	chr10_49613448
chr13	52739793	52739793	+	1.302E-16	2.0135E-15	0.333424	hyper	sig	chr13_52739793
chr5	2387860	2387860	+	1.303E-16	2.0146E-15	0.26552	hyper	sig	chr5_2387860
chr2	2.22E+08	222295556	+	1.303E-16	2.016E-15	0.246961	hyper	sig	chr2_222295556
chr7	92179521	92179521	+	1.305E-16	2.0176E-15	0.282859	hyper	sig	chr7_92179521
chr16	29140756	29140756	+	1.305E-16	2.0177E-15	0.204048	hyper	sig	chr16_29140756
chr14	1.06E+08	105624930	+	1.305E-16	2.0182E-15	-0.29432	hypo	sig	chr14_105624930
chr6	27312231	27312231	+	1.305E-16	2.0188E-15	0.206769	hyper	sig	chr6_27312231
chr6	1.1E+08	110400114	+	1.305E-16	2.0188E-15	0.303355	hyper	sig	chr6_110400114

chr18	57441613	57441613	+	1.306E-16	2.02E-15	0.224083	hyper	sig	chr18_57441613
chr3	13283363	13283363	+	1.306E-16	2.02E-15	0.213372	hyper	sig	chr3_13283363
chr3	49172596	49172596	+	1.308E-16	2.0221E-15	0.289982	hyper	sig	chr3_49172596
chr12	52258797	52258797	+	1.309E-16	2.0237E-15	0.251033	hyper	sig	chr12_52258797
chr17	42797797	42797797	+	1.309E-16	2.0243E-15	-0.22696	hypo	sig	chr17_42797797
chr13	23147919	23147919	+	1.309E-16	2.0244E-15	-0.27137	hypo	sig	chr13_23147919
chr15	1.02E+08	101711010	+	1.309E-16	2.0247E-15	0.259039	hyper	sig	chr15_101711010
chr12	6374532	6374532	+	1.31E-16	2.0256E-15	-0.27404	hypo	sig	chr12_6374532
chr1	2.31E+08	230747129	+	1.31E-16	2.0262E-15	-0.28224	hypo	sig	chr1_230747129
chr13	1.13E+08	112637162	+	1.311E-16	2.0267E-15	-0.37482	hypo	sig	chr13_112637162
chr15	25224439	25224439	+	1.311E-16	2.0274E-15	-0.26112	hypo	sig	chr15_25224439
chr10	1.32E+08	132167052	+	1.311E-16	2.0275E-15	-0.30035	hypo	sig	chr10_132167052
chr19	29093199	29093199	+	1.312E-16	2.028E-15	-0.24877	hypo	sig	chr19_29093199
chr5	1.71E+08	171311048	+	1.312E-16	2.028E-15	0.268849	hyper	sig	chr5_171311048
chr14	85532176	85532176	+	1.312E-16	2.0286E-15	0.221234	hyper	sig	chr14_85532176
chr2	44932413	44932413	+	1.313E-16	2.0299E-15	0.232489	hyper	sig	chr2_44932413
chr11	61446132	61446132	+	1.314E-16	2.0317E-15	0.240676	hyper	sig	chr11_61446132
chr11	45693878	45693878	+	1.315E-16	2.0331E-15	-0.21023	hypo	sig	chr11_45693878
chr3	75671025	75671025	+	1.316E-16	2.0341E-15	0.254731	hyper	sig	chr3_75671025
chr7	65869534	65869534	+	1.317E-16	2.0363E-15	-0.2601	hypo	sig	chr7_65869534
chr5	4230787	4230787	+	1.318E-16	2.0369E-15	0.256943	hyper	sig	chr5_4230787
chr6	27291264	27291264	+	1.318E-16	2.0376E-15	0.238198	hyper	sig	chr6_27291264
chr22	49416679	49416679	+	1.319E-16	2.0385E-15	0.231967	hyper	sig	chr22_49416679
chr20	43188371	43188371	+	1.322E-16	2.0438E-15	0.217334	hyper	sig	chr20_43188371
chr3	1.31E+08	130517676	+	1.322E-16	2.0438E-15	0.360215	hyper	sig	chr3_130517676
chr21	42362438	42362438	+	1.323E-16	2.0454E-15	0.265539	hyper	sig	chr21_42362438
chr7	2567229	2567229	+	1.323E-16	2.0455E-15	0.287535	hyper	sig	chr7_2567229
chr2	1665331	1665331	+	1.324E-16	2.0457E-15	-0.26278	hypo	sig	chr2_1665331
chr19	2273246	2273246	+	1.324E-16	2.0459E-15	-0.27416	hypo	sig	chr19_2273246
chr17	897041	897041	+	1.324E-16	2.0462E-15	0.280789	hyper	sig	chr17_897041
chr14	56799130	56799130	+	1.324E-16	2.0463E-15	0.297714	hyper	sig	chr14_56799130
chr2	2E+08	199604011	+	1.324E-16	2.0467E-15	0.285758	hyper	sig	chr2_199604011
chr4	1.11E+08	110614381	+	1.324E-16	2.0467E-15	0.342299	hyper	sig	chr4_110614381
chr19	12513647	12513647	+	1.325E-16	2.047E-15	0.309309	hyper	sig	chr19_12513647
chr8	30387055	30387055	+	1.325E-16	2.047E-15	0.336225	hyper	sig	chr8_30387055
chr2	75196564	75196564	+	1.325E-16	2.0476E-15	-0.26852	hypo	sig	chr2_75196564
chr10	1469011	1469011	+	1.325E-16	2.048E-15	-0.24069	hypo	sig	chr10_1469011
chr8	47763129	47763129	+	1.326E-16	2.0492E-15	0.247858	hyper	sig	chr8_47763129
chr20	8132877	8132877	+	1.326E-16	2.0495E-15	0.263314	hyper	sig	chr20_8132877
chr8	64798817	64798817	+	1.327E-16	2.0509E-15	0.283484	hyper	sig	chr8_64798817
chr10	1.29E+08	128886475	+	1.328E-16	2.0523E-15	-0.2456	hypo	sig	chr10_128886475
chr20	51023482	51023482	+	1.329E-16	2.0528E-15	0.315772	hyper	sig	chr20_51023482
chr1	17424292	17424292	+	1.329E-16	2.0533E-15	0.205195	hyper	sig	chr1_17424292
chr1	1.1E+08	110068289	+	1.329E-16	2.0534E-15	0.201044	hyper	sig	chr1_110068289
chr3	62377791	62377791	+	1.33E-16	2.0544E-15	0.277369	hyper	sig	chr3_62377791
chr7	1.59E+08	158739001	+	1.33E-16	2.0549E-15	-0.30102	hypo	sig	chr7_158739001
chr7	5479324	5479324	+	1.33E-16	2.055E-15	0.324447	hyper	sig	chr7_5479324
chr1	1.63E+08	163423855	+	1.33E-16	2.0555E-15	-0.28033	hypo	sig	chr1_163423855
chr17	79803302	79803302	+	1.331E-16	2.0564E-15	0.231945	hyper	sig	chr17_79803302
chr8	1.43E+08	142777074	+	1.331E-16	2.0569E-15	0.259365	hyper	sig	chr8_142777074
chr1	1.81E+08	181318736	+	1.332E-16	2.058E-15	0.295525	hyper	sig	chr1_181318736
chr22	40678271	40678271	+	1.333E-16	2.0588E-15	-0.24849	hypo	sig	chr22_40678271
chr22	41418268	41418268	+	1.334E-16	2.0608E-15	0.261489	hyper	sig	chr22_41418268
chr22	42338705	42338705	+	1.335E-16	2.0615E-15	-0.23478	hypo	sig	chr22_42338705
chr7	1082021	1082021	+	1.336E-16	2.0642E-15	0.237634	hyper	sig	chr7_1082021
chr16	11201773	11201773	+	1.339E-16	2.0689E-15	-0.28773	hypo	sig	chr16_11201773

chr12	12872435	12872435	+	1.34E-16	2.069E-15	-0.26846	hypo	sig	chr12_12872435
chr8	64382031	64382031	+	1.34E-16	2.0691E-15	0.282361	hyper	sig	chr8_64382031
chr13	27793119	27793119	+	1.34E-16	2.0695E-15	0.393127	hyper	sig	chr13_27793119
chr19	5838911	5838911	+	1.34E-16	2.0696E-15	-0.24789	hypo	sig	chr19_5838911
chr7	97024586	97024586	+	1.34E-16	2.0697E-15	0.295518	hyper	sig	chr7_97024586
chr2	950320	950320	+	1.34E-16	2.0699E-15	0.278749	hyper	sig	chr2_950320
chr10	1.01E+08	101292861	+	1.341E-16	2.0714E-15	0.203577	hyper	sig	chr10_101292861
chr10	59175903	59175903	+	1.342E-16	2.0729E-15	0.21956	hyper	sig	chr10_59175903
chr14	92688078	92688078	+	1.342E-16	2.0732E-15	0.332087	hyper	sig	chr14_92688078
chr10	42870107	42870107	+	1.343E-16	2.0739E-15	-0.35004	hypo	sig	chr10_42870107
chr5	1.32E+08	132257253	+	1.344E-16	2.0756E-15	0.303587	hyper	sig	chr5_132257253
chr10	86710844	86710844	+	1.344E-16	2.0759E-15	0.202892	hyper	sig	chr10_86710844
chr19	52370303	52370303	+	1.345E-16	2.0775E-15	0.263292	hyper	sig	chr19_52370303
chr9	1.36E+08	136201653	+	1.346E-16	2.0777E-15	0.290712	hyper	sig	chr9_136201653
chr1	1.48E+08	148246774	+	1.346E-16	2.0779E-15	0.314987	hyper	sig	chr1_148246774
chr11	61923455	61923455	+	1.346E-16	2.0788E-15	-0.23389	hypo	sig	chr11_61923455
chr10	53827546	53827546	+	1.347E-16	2.0794E-15	-0.25027	hypo	sig	chr10_53827546
chr17	1631999	1631999	+	1.347E-16	2.0797E-15	-0.2552	hypo	sig	chr17_1631999
chr17	67246833	67246833	+	1.347E-16	2.0799E-15	-0.28482	hypo	sig	chr17_67246833
chr6	83853138	83853138	+	1.348E-16	2.0815E-15	0.219789	hyper	sig	chr6_83853138
chr20	21705644	21705644	+	1.348E-16	2.0816E-15	0.27345	hyper	sig	chr20_21705644
chr19	58368461	58368461	+	1.348E-16	2.0816E-15	0.301352	hyper	sig	chr19_58368461
chr5	33937030	33937030	+	1.348E-16	2.0816E-15	0.308993	hyper	sig	chr5_33937030
chr11	31799717	31799717	+	1.349E-16	2.0828E-15	0.380477	hyper	sig	chr11_31799717
chr17	48554590	48554590	+	1.35E-16	2.084E-15	0.271027	hyper	sig	chr17_48554590
chr12	1.04E+08	104303456	+	1.35E-16	2.0843E-15	0.2478	hyper	sig	chr12_104303456
chr16	89847205	89847205	+	1.351E-16	2.0857E-15	-0.2476	hypo	sig	chr16_89847205
chr12	7645854	7645854	+	1.351E-16	2.086E-15	-0.25027	hypo	sig	chr12_7645854
chr19	55533855	55533855	+	1.352E-16	2.0865E-15	-0.27561	hypo	sig	chr19_55533855
chr1	3651151	3651151	+	1.352E-16	2.087E-15	0.276887	hyper	sig	chr1_3651151
chr8	37798805	37798805	+	1.353E-16	2.0879E-15	0.262169	hyper	sig	chr8_37798805
chr12	1.29E+08	128945511	+	1.353E-16	2.0888E-15	-0.27223	hypo	sig	chr12_128945511
chr16	70451079	70451079	+	1.353E-16	2.0889E-15	0.255924	hyper	sig	chr16_70451079
chr8	26042175	26042175	+	1.354E-16	2.0901E-15	0.246674	hyper	sig	chr8_26042175
chr1	1.44E+08	143691700	+	1.355E-16	2.0914E-15	0.298257	hyper	sig	chr1_143691700
chr19	56594245	56594245	+	1.356E-16	2.0923E-15	-0.20001	hypo	sig	chr19_56594245
chr11	31797671	31797671	+	1.358E-16	2.0955E-15	0.260774	hyper	sig	chr11_31797671
chr16	3184011	3184011	+	1.36E-16	2.0987E-15	0.351174	hyper	sig	chr16_3184011
chr16	88958137	88958137	+	1.36E-16	2.0991E-15	-0.23346	hypo	sig	chr16_88958137
chr5	1.7E+08	170297560	+	1.361E-16	2.1003E-15	-0.22931	hypo	sig	chr5_170297560
chr6	1.67E+08	166721725	+	1.362E-16	2.1016E-15	-0.276	hypo	sig	chr6_166721725
chr11	70826940	70826940	+	1.362E-16	2.1025E-15	0.275813	hyper	sig	chr11_70826940
chr19	57947204	57947204	+	1.363E-16	2.1028E-15	0.208931	hyper	sig	chr19_57947204
chr13	1.12E+08	112182882	+	1.363E-16	2.1032E-15	-0.30584	hypo	sig	chr13_112182882
chr12	1.3E+08	130453603	+	1.365E-16	2.106E-15	-0.2901	hypo	sig	chr12_130453603
chr17	50062405	50062405	+	1.366E-16	2.1082E-15	0.287008	hyper	sig	chr17_50062405
chr19	4181857	4181857	+	1.367E-16	2.1087E-15	-0.22017	hypo	sig	chr19_4181857
chr5	3590531	3590531	+	1.368E-16	2.1107E-15	0.295175	hyper	sig	chr5_3590531
chr11	1.34E+08	133957711	+	1.371E-16	2.1144E-15	0.258658	hyper	sig	chr11_133957711
chr17	83007023	83007023	+	1.371E-16	2.1152E-15	0.236931	hyper	sig	chr17_83007023
chr21	43721016	43721016	+	1.371E-16	2.1158E-15	-0.21712	hypo	sig	chr21_43721016
chr16	3187936	3187936	+	1.373E-16	2.1176E-15	0.239602	hyper	sig	chr16_3187936
chr11	32436237	32436237	+	1.373E-16	2.118E-15	0.237778	hyper	sig	chr11_32436237
chr9	93960814	93960814	+	1.373E-16	2.118E-15	0.267213	hyper	sig	chr9_93960814
chr1	50421223	50421223	+	1.374E-16	2.1199E-15	0.276403	hyper	sig	chr1_50421223
chr13	18697292	18697292	+	1.374E-16	2.1202E-15	-0.27389	hypo	sig	chr13_18697292

chr2	5691130	5691130	+	1.376E-16	2.1218E-15	0.222694	hyper	sig	chr2_5691130
chr1	2.36E+08	235642790	+	1.378E-16	2.1258E-15	-0.31153	hypo	sig	chr1_235642790
chr3	1.92E+08	192408908	+	1.379E-16	2.1275E-15	0.265074	hyper	sig	chr3_192408908
chr8	1676656	1676656	+	1.38E-16	2.1282E-15	-0.2457	hypo	sig	chr8_1676656
chr1	2.14E+08	213980023	+	1.38E-16	2.1288E-15	0.329413	hyper	sig	chr1_213980023
chr3	35639655	35639655	+	1.381E-16	2.1306E-15	0.338745	hyper	sig	chr3_35639655
chr7	1233748	1233748	+	1.382E-16	2.1308E-15	0.310369	hyper	sig	chr7_1233748
chr6	28988610	28988610	+	1.382E-16	2.1312E-15	0.20656	hyper	sig	chr6_28988610
chr1	1.07E+08	107140341	+	1.382E-16	2.1315E-15	0.207709	hyper	sig	chr1_107140341
chr20	33004024	33004024	+	1.383E-16	2.1336E-15	-0.30087	hypo	sig	chr20_33004024
chr15	45116627	45116627	+	1.384E-16	2.1344E-15	0.267344	hyper	sig	chr15_45116627
chr12	53928501	53928501	+	1.384E-16	2.1348E-15	0.300996	hyper	sig	chr12_53928501
chr12	1.3E+08	130455520	+	1.384E-16	2.1349E-15	-0.37613	hypo	sig	chr12_130455520
chr8	1.44E+08	144046981	+	1.385E-16	2.1364E-15	-0.26174	hypo	sig	chr8_144046981
chr19	15437067	15437067	+	1.388E-16	2.1409E-15	-0.23344	hypo	sig	chr19_15437067
chr8	41308647	41308647	+	1.389E-16	2.1418E-15	0.32869	hyper	sig	chr8_41308647
chr6	1E+08	100449496	+	1.39E-16	2.1426E-15	0.301889	hyper	sig	chr6_100449496
chr19	33681542	33681542	+	1.39E-16	2.1433E-15	-0.31025	hypo	sig	chr19_33681542
chr2	2.36E+08	235614743	+	1.39E-16	2.1435E-15	-0.28062	hypo	sig	chr2_235614743
chr12	1.24E+08	123931745	+	1.392E-16	2.1458E-15	-0.21615	hypo	sig	chr12_123931745
chr11	2301444	2301444	+	1.392E-16	2.1459E-15	-0.3235	hypo	sig	chr11_2301444
chr13	1.13E+08	112638396	+	1.393E-16	2.1475E-15	-0.35213	hypo	sig	chr13_112638396
chr1	38047969	38047969	+	1.393E-16	2.1477E-15	0.257727	hyper	sig	chr1_38047969
chr19	3785865	3785865	+	1.393E-16	2.1478E-15	0.273328	hyper	sig	chr19_3785865
chr1	9322831	9322831	+	1.393E-16	2.1478E-15	0.214955	hyper	sig	chr1_9322831
chr16	31095542	31095542	+	1.394E-16	2.1484E-15	-0.28783	hypo	sig	chr16_31095542
chr17	75587883	75587883	+	1.395E-16	2.1499E-15	0.248883	hyper	sig	chr17_75587883
chr5	1.41E+08	141158303	+	1.395E-16	2.15E-15	0.236838	hyper	sig	chr5_141158303
chr2	2.27E+08	226798357	+	1.395E-16	2.1506E-15	0.231213	hyper	sig	chr2_226798357
chr16	2082308	2082308	+	1.396E-16	2.1518E-15	0.262032	hyper	sig	chr16_2082308
chr20	24469707	24469707	+	1.396E-16	2.1521E-15	0.244356	hyper	sig	chr20_24469707
chr5	73301299	73301299	+	1.396E-16	2.1525E-15	0.262884	hyper	sig	chr5_73301299
chr16	54938470	54938470	+	1.398E-16	2.1543E-15	0.203051	hyper	sig	chr16_54938470
chr12	1.15E+08	114681051	+	1.398E-16	2.1543E-15	-0.24408	hypo	sig	chr12_114681051
chr6	1.29E+08	128883260	+	1.398E-16	2.1551E-15	0.237542	hyper	sig	chr6_128883260
chr15	93066221	93066221	+	1.401E-16	2.1587E-15	0.241684	hyper	sig	chr15_93066221
chr4	664227	664227	+	1.401E-16	2.1596E-15	0.251452	hyper	sig	chr4_664227
chr14	77301432	77301432	+	1.402E-16	2.1606E-15	0.272355	hyper	sig	chr14_77301432
chr17	10729544	10729544	+	1.403E-16	2.1621E-15	0.237567	hyper	sig	chr17_10729544
chr7	47315389	47315389	+	1.403E-16	2.1626E-15	0.309803	hyper	sig	chr7_47315389
chr8	64798770	64798770	+	1.404E-16	2.1641E-15	0.212525	hyper	sig	chr8_64798770
chr22	29313407	29313407	+	1.404E-16	2.1642E-15	0.245514	hyper	sig	chr22_29313407
chr3	13179925	13179925	+	1.404E-16	2.1644E-15	-0.2096	hypo	sig	chr3_13179925
chr15	67064311	67064311	+	1.405E-16	2.1648E-15	-0.25075	hypo	sig	chr15_67064311
chr19	52585281	52585281	+	1.406E-16	2.1671E-15	0.220924	hyper	sig	chr19_52585281
chr3	1.31E+08	130517690	+	1.406E-16	2.1673E-15	0.360498	hyper	sig	chr3_130517690
chr6	1.7E+08	170423102	+	1.407E-16	2.1676E-15	0.281386	hyper	sig	chr6_170423102
chr10	1.29E+08	129032685	+	1.407E-16	2.168E-15	0.249483	hyper	sig	chr10_129032685
chr10	1.32E+08	131676214	+	1.41E-16	2.172E-15	-0.22652	hypo	sig	chr10_131676214
chr6	1.17E+08	116565071	+	1.41E-16	2.1728E-15	0.314884	hyper	sig	chr6_116565071
chr15	82681095	82681095	+	1.411E-16	2.1735E-15	0.331093	hyper	sig	chr15_82681095
chr7	1.58E+08	157610517	+	1.411E-16	2.1735E-15	-0.28743	hypo	sig	chr7_157610517
chr20	32035056	32035056	+	1.414E-16	2.1788E-15	-0.24648	hypo	sig	chr20_32035056
chr13	21319097	21319097	+	1.415E-16	2.1799E-15	0.390474	hyper	sig	chr13_21319097
chr16	268633	268633	+	1.415E-16	2.1802E-15	-0.4372	hypo	sig	chr16_268633
chr11	66421262	66421262	+	1.416E-16	2.181E-15	0.311035	hyper	sig	chr11_66421262

chr16	29140379	29140379	+	1.416E-16	2.1811E-15	0.251541	hyper	sig	chr16_29140379
chr19	708531	708531	+	1.416E-16	2.1819E-15	0.367014	hyper	sig	chr19_708531
chr17	36941973	36941973	+	1.417E-16	2.1825E-15	0.249269	hyper	sig	chr17_36941973
chr10	1.31E+08	131310705	+	1.418E-16	2.1845E-15	0.299614	hyper	sig	chr10_131310705
chr6	26017830	26017830	+	1.42E-16	2.1868E-15	0.240548	hyper	sig	chr6_26017830
chr12	5088853	5088853	+	1.42E-16	2.1868E-15	-0.2736	hypo	sig	chr12_5088853
chr3	1.47E+08	147388238	+	1.421E-16	2.1893E-15	0.219883	hyper	sig	chr3_147388238
chr5	1.59E+08	159095444	+	1.421E-16	2.1893E-15	0.300338	hyper	sig	chr5_159095444
chr1	2.28E+08	228471443	+	1.422E-16	2.1899E-15	0.319956	hyper	sig	chr1_228471443
chr1	2.04E+08	204360058	+	1.422E-16	2.19E-15	0.241894	hyper	sig	chr1_204360058
chr10	84197123	84197123	+	1.423E-16	2.1913E-15	0.31291	hyper	sig	chr10_84197123
chr16	3305062	3305062	+	1.423E-16	2.1918E-15	0.352739	hyper	sig	chr16_3305062
chr1	17617882	17617882	+	1.423E-16	2.1924E-15	0.215467	hyper	sig	chr1_17617882
chr12	2793595	2793595	+	1.425E-16	2.1939E-15	-0.26808	hypo	sig	chr12_2793595
chr3	1.84E+08	184492233	+	1.425E-16	2.194E-15	0.257502	hyper	sig	chr3_184492233
chr11	298757	298757	+	1.426E-16	2.196E-15	-0.20078	hypo	sig	chr11_298757
chr5	1.41E+08	141349984	+	1.426E-16	2.1967E-15	0.292364	hyper	sig	chr5_141349984
chr2	1.44E+08	143937542	+	1.43E-16	2.2017E-15	0.241399	hyper	sig	chr2_143937542
chr1	21550829	21550829	+	1.432E-16	2.2058E-15	-0.24841	hypo	sig	chr1_21550829
chr2	1.19E+08	118841980	+	1.433E-16	2.2071E-15	0.208873	hyper	sig	chr2_118841980
chr5	1.41E+08	141423138	+	1.433E-16	2.2071E-15	0.277303	hyper	sig	chr5_141423138
chr5	3197616	3197616	+	1.434E-16	2.2075E-15	0.277893	hyper	sig	chr5_3197616
chr7	21542894	21542894	+	1.434E-16	2.2081E-15	0.222585	hyper	sig	chr7_21542894
chr7	20793469	20793469	+	1.434E-16	2.2083E-15	0.31196	hyper	sig	chr7_20793469
chr1	11899075	11899075	+	1.436E-16	2.2107E-15	0.291702	hyper	sig	chr1_11899075
chr2	1.28E+08	127535538	+	1.436E-16	2.2107E-15	-0.2849	hypo	sig	chr2_127535538
chr11	67417146	67417146	+	1.436E-16	2.2115E-15	-0.30023	hypo	sig	chr11_67417146
chr1	16226899	16226899	+	1.437E-16	2.2124E-15	0.288613	hyper	sig	chr1_16226899
chr3	1.38E+08	137771797	+	1.439E-16	2.2156E-15	0.254056	hyper	sig	chr3_137771797
chr3	1.91E+08	190878057	+	1.441E-16	2.2178E-15	-0.24581	hypo	sig	chr3_190878057
chr3	37994334	37994334	+	1.442E-16	2.2197E-15	0.250406	hyper	sig	chr3_37994334
chr13	78601528	78601528	+	1.444E-16	2.2234E-15	0.211863	hyper	sig	chr13_78601528
chr7	1.35E+08	135237569	+	1.45E-16	2.2317E-15	-0.24795	hypo	sig	chr7_135237569
chr1	1.19E+08	119000708	+	1.45E-16	2.2324E-15	0.259306	hyper	sig	chr1_119000708
chr19	2428644	2428644	+	1.451E-16	2.2328E-15	0.269617	hyper	sig	chr19_2428644
chr4	6221805	6221805	+	1.451E-16	2.2328E-15	0.217253	hyper	sig	chr4_6221805
chr9	1.05E+08	104928461	+	1.451E-16	2.2328E-15	0.311725	hyper	sig	chr9_104928461
chr7	30136552	30136552	+	1.452E-16	2.2351E-15	0.269192	hyper	sig	chr7_30136552
chr20	20199825	20199825	+	1.453E-16	2.2358E-15	0.300614	hyper	sig	chr20_20199825
chr9	95089092	95089092	+	1.453E-16	2.2366E-15	0.246658	hyper	sig	chr9_95089092
chr10	99524090	99524090	+	1.454E-16	2.2373E-15	0.292918	hyper	sig	chr10_99524090
chr15	30883097	30883097	+	1.454E-16	2.2374E-15	-0.20208	hypo	sig	chr15_30883097
chr5	1.36E+08	135930253	+	1.454E-16	2.238E-15	0.242821	hyper	sig	chr5_135930253
chr16	85985400	85985400	+	1.458E-16	2.2438E-15	-0.30216	hypo	sig	chr16_85985400
chr20	38805573	38805573	+	1.461E-16	2.2475E-15	0.268641	hyper	sig	chr20_38805573
chr3	1.2E+08	119810291	+	1.462E-16	2.2491E-15	0.256081	hyper	sig	chr3_119810291
chr6	52839526	52839526	+	1.462E-16	2.2493E-15	-0.23333	hypo	sig	chr6_52839526
chr8	24915745	24915745	+	1.462E-16	2.2493E-15	0.220701	hyper	sig	chr8_24915745
chr12	1.01E+08	101209534	+	1.462E-16	2.2499E-15	0.305843	hyper	sig	chr12_101209534
chr17	74894452	74894452	+	1.464E-16	2.2529E-15	-0.27222	hypo	sig	chr17_74894452
chr21	37006314	37006314	+	1.466E-16	2.2556E-15	0.305387	hyper	sig	chr21_37006314
chr6	30111527	30111527	+	1.467E-16	2.2567E-15	-0.21354	hypo	sig	chr6_30111527
chr21	44353423	44353423	+	1.467E-16	2.2568E-15	-0.23547	hypo	sig	chr21_44353423
chr8	55103123	55103123	+	1.469E-16	2.2596E-15	0.290137	hyper	sig	chr8_55103123
chr1	65002399	65002399	+	1.469E-16	2.2599E-15	-0.20869	hypo	sig	chr1_65002399
chr10	3208759	3208759	+	1.469E-16	2.2603E-15	-0.27717	hypo	sig	chr10_3208759

chr3	48430286	48430286	+	1.469E-16	2.2604E-15	-0.26986	hypo	sig	chr3_48430286
chr13	45851891	45851891	+	1.47E-16	2.2607E-15	0.225116	hyper	sig	chr13_45851891
chr1	46485697	46485697	+	1.47E-16	2.2615E-15	0.294531	hyper	sig	chr1_46485697
chr7	1386228	1386228	+	1.47E-16	2.2616E-15	-0.253	hypo	sig	chr7_1386228
chr7	1.22E+08	122300649	+	1.471E-16	2.2626E-15	0.236198	hyper	sig	chr7_122300649
chr1	1357341	1357341	+	1.471E-16	2.2628E-15	0.338403	hyper	sig	chr1_1357341
chr3	1.4E+08	139539807	+	1.472E-16	2.2649E-15	0.224221	hyper	sig	chr3_139539807
chr8	64376592	64376592	+	1.473E-16	2.2651E-15	0.335697	hyper	sig	chr8_64376592
chr11	1485978	1485978	+	1.476E-16	2.2702E-15	0.233364	hyper	sig	chr11_1485978
chr15	83379338	83379338	+	1.476E-16	2.2702E-15	0.259007	hyper	sig	chr15_83379338
chr11	1037784	1037784	+	1.477E-16	2.2712E-15	-0.28801	hypo	sig	chr11_1037784
chr10	1.18E+08	117536227	+	1.477E-16	2.2713E-15	0.220813	hyper	sig	chr10_117536227
chr7	55018429	55018429	+	1.477E-16	2.2713E-15	0.22135	hyper	sig	chr7_55018429
chr20	662107	662107	+	1.477E-16	2.2714E-15	0.287905	hyper	sig	chr20_662107
chr5	1.41E+08	141236780	+	1.479E-16	2.2746E-15	0.279277	hyper	sig	chr5_141236780
chr1	6244198	6244198	+	1.479E-16	2.2747E-15	0.246085	hyper	sig	chr1_6244198
chr5	1.41E+08	141419443	+	1.481E-16	2.2768E-15	0.248911	hyper	sig	chr5_141419443
chr3	1.32E+08	132033859	+	1.481E-16	2.2772E-15	0.244472	hyper	sig	chr3_132033859
chr17	49972588	49972588	+	1.481E-16	2.2773E-15	0.232889	hyper	sig	chr17_49972588
chr1	2.21E+08	220882120	+	1.483E-16	2.2804E-15	0.283205	hyper	sig	chr1_220882120
chr5	88685360	88685360	+	1.484E-16	2.2826E-15	0.251647	hyper	sig	chr5_88685360
chr17	82311248	82311248	+	1.484E-16	2.2826E-15	-0.26674	hypo	sig	chr17_82311248
chr12	1.07E+08	106581411	+	1.485E-16	2.2826E-15	0.212891	hyper	sig	chr12_106581411
chr5	31193822	31193822	+	1.486E-16	2.2856E-15	0.314253	hyper	sig	chr5_31193822
chr13	87671795	87671795	+	1.487E-16	2.286E-15	0.272841	hyper	sig	chr13_87671795
chr15	83379293	83379293	+	1.488E-16	2.2879E-15	0.233301	hyper	sig	chr15_83379293
chr1	1.11E+08	110675587	+	1.489E-16	2.2896E-15	0.317414	hyper	sig	chr1_110675587
chr13	1.13E+08	113370210	+	1.49E-16	2.2901E-15	-0.2048	hypo	sig	chr13_113370210
chr19	37817504	37817504	+	1.49E-16	2.2901E-15	0.365326	hyper	sig	chr19_37817504
chr2	2.39E+08	239029531	+	1.491E-16	2.2926E-15	-0.25693	hypo	sig	chr2_239029531
chr19	18007817	18007817	+	1.492E-16	2.293E-15	0.20839	hyper	sig	chr19_18007817
chr13	1.12E+08	112057719	+	1.492E-16	2.2939E-15	0.276681	hyper	sig	chr13_112057719
chr2	98346475	98346475	+	1.493E-16	2.2951E-15	0.308749	hyper	sig	chr2_98346475
chr2	10386289	10386289	+	1.493E-16	2.2955E-15	-0.28033	hypo	sig	chr2_10386289
chr1	69569461	69569461	+	1.494E-16	2.2965E-15	0.289957	hyper	sig	chr1_69569461
chr7	1.55E+08	154748870	+	1.494E-16	2.2971E-15	-0.25017	hypo	sig	chr7_154748870
chr21	37915571	37915571	+	1.495E-16	2.2977E-15	0.207976	hyper	sig	chr21_37915571
chr14	23366698	23366698	+	1.495E-16	2.2983E-15	0.327775	hyper	sig	chr14_23366698
chr12	1.13E+08	113472778	+	1.497E-16	2.3007E-15	0.29605	hyper	sig	chr12_113472778
chr1	24931461	24931461	+	1.499E-16	2.3035E-15	0.332993	hyper	sig	chr1_24931461
chr7	1.17E+08	117323438	+	1.499E-16	2.3038E-15	0.328276	hyper	sig	chr7_117323438
chr7	15685686	15685686	+	1.499E-16	2.304E-15	0.201222	hyper	sig	chr7_15685686
chr7	4871593	4871593	+	1.499E-16	2.3041E-15	-0.22669	hypo	sig	chr7_4871593
chr2	1.92E+08	191881736	+	1.5E-16	2.3053E-15	-0.23198	hypo	sig	chr2_191881736
chr1	58251045	58251045	+	1.501E-16	2.3063E-15	-0.2215	hypo	sig	chr1_58251045
chr7	39613284	39613284	+	1.502E-16	2.3081E-15	-0.31096	hypo	sig	chr7_39613284
chr17	35515236	35515236	+	1.502E-16	2.3083E-15	0.247227	hyper	sig	chr17_35515236
chr19	2242164	2242164	+	1.502E-16	2.3087E-15	-0.26273	hypo	sig	chr19_2242164
chr2	1.39E+08	138901222	+	1.503E-16	2.309E-15	-0.22972	hypo	sig	chr2_138901222
chr4	1533886	1533886	+	1.503E-16	2.31E-15	0.283519	hyper	sig	chr4_1533886
chr1	37317155	37317155	+	1.504E-16	2.3109E-15	-0.30046	hypo	sig	chr1_37317155
chr15	40349609	40349609	+	1.504E-16	2.3111E-15	-0.24039	hypo	sig	chr15_40349609
chr12	1.3E+08	130087986	+	1.505E-16	2.3128E-15	-0.2061	hypo	sig	chr12_130087986
chr6	2767883	2767883	+	1.505E-16	2.3131E-15	-0.22996	hypo	sig	chr6_2767883
chr2	1.19E+08	118842889	+	1.506E-16	2.3135E-15	0.254719	hyper	sig	chr2_118842889
chr12	53955444	53955444	+	1.507E-16	2.3156E-15	0.292104	hyper	sig	chr12_53955444

chr13	21106478	21106478	+	1.507E-16	2.3158E-15	-0.24475	hypo	sig	chr13_21106478
chr17	68198911	68198911	+	1.507E-16	2.316E-15	0.266853	hyper	sig	chr17_68198911
chr11	1.2E+08	120124092	+	1.508E-16	2.3166E-15	-0.25694	hypo	sig	chr11_120124092
chr15	25185761	25185761	+	1.508E-16	2.3168E-15	-0.26266	hypo	sig	chr15_25185761
chr1	53677396	53677396	+	1.51E-16	2.3202E-15	-0.26313	hypo	sig	chr1_53677396
chr3	1.92E+08	192408946	+	1.511E-16	2.3219E-15	0.267929	hyper	sig	chr3_192408946
chr5	1.41E+08	141421487	+	1.512E-16	2.3223E-15	0.245225	hyper	sig	chr5_141421487
chr5	64506083	64506083	+	1.512E-16	2.3225E-15	0.220162	hyper	sig	chr5_64506083
chr19	36152632	36152632	+	1.513E-16	2.3244E-15	0.330422	hyper	sig	chr19_36152632
chr13	99657951	99657951	+	1.513E-16	2.3246E-15	0.242926	hyper	sig	chr13_99657951
chr8	1.43E+08	142510465	+	1.514E-16	2.3254E-15	0.294544	hyper	sig	chr8_142510465
chr3	22371200	22371200	+	1.515E-16	2.3268E-15	-0.39458	hypo	sig	chr3_22371200
chr1	3292971	3292971	+	1.515E-16	2.3274E-15	-0.26599	hypo	sig	chr1_3292971
chr20	35602336	35602336	+	1.515E-16	2.3274E-15	0.307784	hyper	sig	chr20_35602336
chr3	198526	198526	+	1.516E-16	2.3288E-15	0.277959	hyper	sig	chr3_198526
chr10	1.33E+08	132942205	+	1.518E-16	2.3312E-15	0.252618	hyper	sig	chr10_132942205
chr19	5212093	5212093	+	1.519E-16	2.3334E-15	-0.35424	hypo	sig	chr19_5212093
chr4	1056121	1056121	+	1.522E-16	2.3374E-15	-0.2334	hypo	sig	chr4_1056121
chr11	32439070	32439070	+	1.522E-16	2.3378E-15	0.250745	hyper	sig	chr11_32439070
chr14	56808548	56808548	+	1.523E-16	2.339E-15	0.234021	hyper	sig	chr14_56808548
chr3	1.84E+08	184379644	+	1.524E-16	2.3398E-15	0.282092	hyper	sig	chr3_184379644
chr22	25027564	25027564	+	1.524E-16	2.3406E-15	-0.21189	hypo	sig	chr22_25027564
chr11	18412337	18412337	+	1.525E-16	2.3418E-15	0.300923	hyper	sig	chr11_18412337
chr11	69817412	69817412	+	1.525E-16	2.3419E-15	0.234047	hyper	sig	chr11_69817412
chr16	29785471	29785471	+	1.525E-16	2.3421E-15	0.203856	hyper	sig	chr16_29785471
chr1	46491363	46491363	+	1.526E-16	2.3425E-15	0.414755	hyper	sig	chr1_46491363
chr17	78324823	78324823	+	1.526E-16	2.3428E-15	0.246581	hyper	sig	chr17_78324823
chr22	49090481	49090481	+	1.526E-16	2.3431E-15	-0.2498	hypo	sig	chr22_49090481
chr7	1.58E+08	157833375	+	1.527E-16	2.3443E-15	-0.24945	hypo	sig	chr7_157833375
chr7	561815	561815	+	1.529E-16	2.3471E-15	0.278497	hyper	sig	chr7_561815
chr15	62941033	62941033	+	1.529E-16	2.3472E-15	0.275033	hyper	sig	chr15_62941033
chr3	1.42E+08	141797390	+	1.529E-16	2.3475E-15	0.290862	hyper	sig	chr3_141797390
chr7	16755056	16755056	+	1.53E-16	2.3491E-15	-0.20907	hypo	sig	chr7_16755056
chr6	30207071	30207071	+	1.53E-16	2.3495E-15	-0.2485	hypo	sig	chr6_30207071
chr13	45775840	45775840	+	1.531E-16	2.35E-15	-0.31149	hypo	sig	chr13_45775840
chr8	1.43E+08	142823591	+	1.531E-16	2.3508E-15	-0.32295	hypo	sig	chr8_142823591
chr1	2.03E+08	203086534	+	1.532E-16	2.3513E-15	-0.20851	hypo	sig	chr1_203086534
chr2	2.19E+08	218858998	+	1.532E-16	2.3517E-15	0.249955	hyper	sig	chr2_218858998
chr8	84182745	84182745	+	1.532E-16	2.3517E-15	0.331062	hyper	sig	chr8_84182745
chr13	95553380	95553380	+	1.533E-16	2.3537E-15	0.287192	hyper	sig	chr13_95553380
chr18	79785128	79785128	+	1.534E-16	2.3551E-15	-0.26908	hypo	sig	chr18_79785128
chr1	1965117	1965117	+	1.535E-16	2.3562E-15	-0.24538	hypo	sig	chr1_1965117
chr11	62688348	62688348	+	1.538E-16	2.3602E-15	0.361114	hyper	sig	chr11_62688348
chr11	1.23E+08	123431097	+	1.539E-16	2.3617E-15	0.235685	hyper	sig	chr11_123431097
chr11	46914419	46914419	+	1.539E-16	2.3629E-15	0.235932	hyper	sig	chr11_46914419
chr3	1.43E+08	142964372	+	1.54E-16	2.3638E-15	0.336887	hyper	sig	chr3_142964372
chr8	1.43E+08	142917776	+	1.542E-16	2.3665E-15	-0.23762	hypo	sig	chr8_142917776
chr3	1.54E+08	154428609	+	1.542E-16	2.3669E-15	0.252682	hyper	sig	chr3_154428609
chr2	43131151	43131151	+	1.542E-16	2.367E-15	-0.23994	hypo	sig	chr2_43131151
chr21	26845428	26845428	+	1.543E-16	2.3674E-15	0.220445	hyper	sig	chr21_26845428
chr6	35148184	35148184	+	1.543E-16	2.3674E-15	0.246377	hyper	sig	chr6_35148184
chr14	24171907	24171907	+	1.544E-16	2.3691E-15	0.232996	hyper	sig	chr14_24171907
chr10	92420363	92420363	+	1.544E-16	2.3698E-15	0.210181	hyper	sig	chr10_92420363
chr6	98848443	98848443	+	1.545E-16	2.3712E-15	0.349114	hyper	sig	chr6_98848443
chr7	1.22E+08	122299780	+	1.545E-16	2.3712E-15	0.243827	hyper	sig	chr7_122299780
chr17	888016	888016	+	1.546E-16	2.3724E-15	0.213767	hyper	sig	chr17_888016

chr2	23617906	23617906	+	1.547E-16	2.3734E-15	0.335483	hyper	sig	chr2_23617906
chr2	70904464	70904464	+	1.548E-16	2.3754E-15	0.300908	hyper	sig	chr2_70904464
chr11	90134777	90134777	+	1.549E-16	2.3769E-15	0.22957	hyper	sig	chr11_90134777
chr19	1908241	1908241	+	1.55E-16	2.3777E-15	-0.27706	hypo	sig	chr19_1908241
chr6	1E+08	100454388	+	1.551E-16	2.3794E-15	0.246713	hyper	sig	chr6_100454388
chr12	53927562	53927562	+	1.552E-16	2.3802E-15	0.277908	hyper	sig	chr12_53927562
chr19	2291319	2291319	+	1.552E-16	2.3814E-15	0.259	hyper	sig	chr19_2291319
chr20	21515974	21515974	+	1.553E-16	2.3825E-15	0.270837	hyper	sig	chr20_21515974
chr19	56765277	56765277	+	1.554E-16	2.3835E-15	0.285433	hyper	sig	chr19_56765277
chr7	1.58E+08	157527828	+	1.554E-16	2.3841E-15	-0.27541	hypo	sig	chr7_157527828
chr2	10494081	10494081	+	1.555E-16	2.3851E-15	-0.27728	hypo	sig	chr2_10494081
chr7	51315426	51315426	+	1.555E-16	2.3858E-15	-0.24723	hypo	sig	chr7_51315426
chr5	79069916	79069916	+	1.555E-16	2.3859E-15	0.283123	hyper	sig	chr5_79069916
chr2	1.29E+08	128902258	+	1.555E-16	2.3859E-15	0.290794	hyper	sig	chr2_128902258
chr21	43812353	43812353	+	1.556E-16	2.3864E-15	-0.25037	hypo	sig	chr21_43812353
chr16	86078391	86078391	+	1.556E-16	2.3867E-15	0.253501	hyper	sig	chr16_86078391
chr6	10419190	10419190	+	1.557E-16	2.3878E-15	0.232435	hyper	sig	chr6_10419190
chr8	26043891	26043891	+	1.557E-16	2.3888E-15	0.211034	hyper	sig	chr8_26043891
chr2	63048427	63048427	+	1.558E-16	2.3896E-15	0.309789	hyper	sig	chr2_63048427
chr15	90202345	90202345	+	1.56E-16	2.3933E-15	0.222212	hyper	sig	chr15_90202345
chr3	11037760	11037760	+	1.563E-16	2.3977E-15	-0.25106	hypo	sig	chr3_11037760
chr8	6563205	6563205	+	1.564E-16	2.3979E-15	0.266599	hyper	sig	chr8_6563205
chr19	9498528	9498528	+	1.565E-16	2.4E-15	0.28442	hyper	sig	chr19_9498528
chr7	98870544	98870544	+	1.567E-16	2.4037E-15	0.286233	hyper	sig	chr7_98870544
chr11	31803579	31803579	+	1.569E-16	2.4055E-15	0.297596	hyper	sig	chr11_31803579
chr10	25934081	25934081	+	1.57E-16	2.4079E-15	0.309667	hyper	sig	chr10_25934081
chr8	27634516	27634516	+	1.571E-16	2.4094E-15	0.30871	hyper	sig	chr8_27634516
chr1	6494849	6494849	+	1.572E-16	2.41E-15	-0.2371	hypo	sig	chr1_6494849
chr16	86516111	86516111	+	1.572E-16	2.4103E-15	0.247431	hyper	sig	chr16_86516111
chr20	38725048	38725048	+	1.572E-16	2.4108E-15	0.271815	hyper	sig	chr20_38725048
chr2	1.82E+08	181678553	+	1.574E-16	2.4131E-15	0.266657	hyper	sig	chr2_181678553
chr12	1.33E+08	132977091	+	1.574E-16	2.4133E-15	0.284992	hyper	sig	chr12_132977091
chr3	1.61E+08	161104508	+	1.574E-16	2.4135E-15	0.261762	hyper	sig	chr3_161104508
chr16	55760683	55760683	+	1.574E-16	2.4138E-15	0.275669	hyper	sig	chr16_55760683
chr2	1.82E+08	181685324	+	1.574E-16	2.4139E-15	0.22666	hyper	sig	chr2_181685324
chr11	73980224	73980224	+	1.575E-16	2.4147E-15	-0.24876	hypo	sig	chr11_73980224
chr4	1.04E+08	103720055	+	1.577E-16	2.4179E-15	0.2426	hyper	sig	chr4_103720055
chr17	5116448	5116448	+	1.577E-16	2.4184E-15	0.32108	hyper	sig	chr17_5116448
chr16	3183985	3183985	+	1.578E-16	2.4186E-15	0.332027	hyper	sig	chr16_3183985
chr19	56765247	56765247	+	1.578E-16	2.4194E-15	0.293687	hyper	sig	chr19_56765247
chr16	4664159	4664159	+	1.578E-16	2.4197E-15	-0.25165	hypo	sig	chr16_4664159
chr19	56838713	56838713	+	1.579E-16	2.4199E-15	0.232598	hyper	sig	chr19_56838713
chr5	33297956	33297956	+	1.579E-16	2.4202E-15	-0.26132	hypo	sig	chr5_33297956
chr10	1.33E+08	132975764	+	1.58E-16	2.4227E-15	0.285572	hyper	sig	chr10_132975764
chr16	87983504	87983504	+	1.581E-16	2.4234E-15	0.402328	hyper	sig	chr16_87983504
chr8	48469806	48469806	+	1.581E-16	2.4237E-15	-0.22486	hypo	sig	chr8_48469806
chr19	22138898	22138898	+	1.581E-16	2.424E-15	-0.29189	hypo	sig	chr19_22138898
chr2	1.05E+08	104862676	+	1.582E-16	2.4243E-15	0.229108	hyper	sig	chr2_104862676
chr17	44558421	44558421	+	1.585E-16	2.4291E-15	0.277581	hyper	sig	chr17_44558421
chr2	11653197	11653197	+	1.585E-16	2.4294E-15	-0.33563	hypo	sig	chr2_11653197
chr10	81502783	81502783	+	1.586E-16	2.4312E-15	-0.2203	hypo	sig	chr10_81502783
chr20	38729463	38729463	+	1.586E-16	2.4315E-15	0.226746	hyper	sig	chr20_38729463
chr6	28814242	28814242	+	1.587E-16	2.4316E-15	0.329939	hyper	sig	chr6_28814242
chr1	2.17E+08	217139718	+	1.587E-16	2.4317E-15	0.297152	hyper	sig	chr1_217139718
chr7	1.56E+08	155576649	+	1.59E-16	2.4368E-15	-0.22452	hypo	sig	chr7_155576649
chr11	1.3E+08	130189654	+	1.59E-16	2.4373E-15	-0.26474	hypo	sig	chr11_130189654

chr20	63824023	63824023	+	1.592E-16	2.44E-15	-0.34717	hypo	sig	chr20_63824023
chr12	63149986	63149986	+	1.593E-16	2.4405E-15	0.274474	hyper	sig	chr12_63149986
chr4	1.11E+08	110612727	+	1.593E-16	2.4413E-15	0.200808	hyper	sig	chr4_110612727
chr19	30451000	30451000	+	1.594E-16	2.4419E-15	0.283332	hyper	sig	chr19_30451000
chr7	1.57E+08	157020699	+	1.594E-16	2.4431E-15	0.227484	hyper	sig	chr7_157020699
chr5	320757	320757	+	1.595E-16	2.4442E-15	0.264497	hyper	sig	chr5_320757
chr1	3651027	3651027	+	1.596E-16	2.4452E-15	0.269965	hyper	sig	chr1_3651027
chr12	54374045	54374045	+	1.596E-16	2.4452E-15	-0.30433	hypo	sig	chr12_54374045
chr20	38446265	38446265	+	1.596E-16	2.4452E-15	-0.22916	hypo	sig	chr20_38446265
chr10	665599	665599	+	1.596E-16	2.4452E-15	0.249984	hyper	sig	chr10_665599
chr7	4837310	4837310	+	1.597E-16	2.4467E-15	-0.22847	hypo	sig	chr7_4837310
chr7	1312236	1312236	+	1.598E-16	2.449E-15	-0.21674	hypo	sig	chr7_1312236
chr4	1.4E+08	140426893	+	1.599E-16	2.4495E-15	0.231297	hyper	sig	chr4_140426893
chr16	85845507	85845507	+	1.599E-16	2.4497E-15	0.230516	hyper	sig	chr16_85845507
chr2	10014307	10014307	+	1.6E-16	2.4505E-15	-0.27085	hypo	sig	chr2_10014307
chr12	1650629	1650629	+	1.6E-16	2.4508E-15	0.285823	hyper	sig	chr12_1650629
chr6	1625253	1625253	+	1.6E-16	2.4512E-15	0.247319	hyper	sig	chr6_1625253
chr4	7735147	7735147	+	1.6E-16	2.4516E-15	-0.27444	hypo	sig	chr4_7735147
chr12	1.04E+08	104050640	+	1.602E-16	2.4534E-15	0.263742	hyper	sig	chr12_104050640
chr1	9652892	9652892	+	1.602E-16	2.4534E-15	0.203726	hyper	sig	chr1_9652892
chr4	54232357	54232357	+	1.606E-16	2.4606E-15	0.24428	hyper	sig	chr4_54232357
chr6	41239672	41239672	+	1.607E-16	2.4613E-15	0.274028	hyper	sig	chr6_41239672
chr3	1.47E+08	147411373	+	1.607E-16	2.4614E-15	0.283458	hyper	sig	chr3_147411373
chr19	50563833	50563833	+	1.608E-16	2.4623E-15	-0.28635	hypo	sig	chr19_50563833
chr7	1.58E+08	157522459	+	1.608E-16	2.4629E-15	-0.32491	hypo	sig	chr7_157522459
chr10	1.05E+08	104641577	+	1.609E-16	2.4638E-15	0.265609	hyper	sig	chr10_104641577
chr1	17149362	17149362	+	1.609E-16	2.4641E-15	0.34311	hyper	sig	chr1_17149362
chr12	1.15E+08	114696475	+	1.609E-16	2.4641E-15	0.257884	hyper	sig	chr12_114696475
chr16	1941495	1941495	+	1.61E-16	2.4652E-15	-0.33904	hypo	sig	chr16_1941495
chr12	1.25E+08	124554773	+	1.61E-16	2.4654E-15	0.256037	hyper	sig	chr12_124554773
chr4	65668384	65668384	+	1.612E-16	2.4684E-15	0.220226	hyper	sig	chr4_65668384
chr17	47848136	47848136	+	1.612E-16	2.4691E-15	0.325008	hyper	sig	chr17_47848136
chr19	4902882	4902882	+	1.612E-16	2.4693E-15	-0.30396	hypo	sig	chr19_4902882
chr5	1962374	1962374	+	1.613E-16	2.4698E-15	-0.24427	hypo	sig	chr5_1962374
chr7	1.58E+08	157527644	+	1.613E-16	2.47E-15	-0.27417	hypo	sig	chr7_157527644
chr1	2.31E+08	231336406	+	1.613E-16	2.47E-15	-0.24448	hypo	sig	chr1_231336406
chr19	42698108	42698108	+	1.614E-16	2.4709E-15	0.402304	hyper	sig	chr19_42698108
chr16	1136012	1136012	+	1.615E-16	2.4722E-15	-0.29911	hypo	sig	chr16_1136012
chr14	77026621	77026621	+	1.615E-16	2.473E-15	0.299535	hyper	sig	chr14_77026621
chr18	76131112	76131112	+	1.615E-16	2.4736E-15	-0.26492	hypo	sig	chr18_76131112
chr11	624982	624982	+	1.616E-16	2.4739E-15	-0.24081	hypo	sig	chr11_624982
chr19	40513352	40513352	+	1.617E-16	2.4756E-15	0.411447	hyper	sig	chr19_40513352
chr1	1.55E+08	155294567	+	1.617E-16	2.4756E-15	0.265081	hyper	sig	chr1_155294567
chr12	1.19E+08	118981301	+	1.617E-16	2.476E-15	0.325024	hyper	sig	chr12_118981301
chr19	58119083	58119083	+	1.618E-16	2.4767E-15	-0.24219	hypo	sig	chr19_58119083
chr16	29877319	29877319	+	1.618E-16	2.4772E-15	0.257662	hyper	sig	chr16_29877319
chr1	15756660	15756660	+	1.622E-16	2.4828E-15	-0.20536	hypo	sig	chr1_15756660
chr1	1.19E+08	118979356	+	1.622E-16	2.4828E-15	0.242771	hyper	sig	chr1_118979356
chr2	2.08E+08	207767680	+	1.622E-16	2.4832E-15	-0.25362	hypo	sig	chr2_207767680
chr17	77373511	77373511	+	1.622E-16	2.4837E-15	0.270434	hyper	sig	chr17_77373511
chr17	49964559	49964559	+	1.624E-16	2.4864E-15	0.330244	hyper	sig	chr17_49964559
chr11	31797600	31797600	+	1.624E-16	2.4867E-15	0.268736	hyper	sig	chr11_31797600
chr6	10422337	10422337	+	1.625E-16	2.4868E-15	0.30196	hyper	sig	chr6_10422337
chr2	2.35E+08	234968625	+	1.625E-16	2.4873E-15	-0.23694	hypo	sig	chr2_234968625
chr4	1.82E+08	182386700	+	1.625E-16	2.4879E-15	-0.30783	hypo	sig	chr4_182386700
chr15	1.01E+08	101009073	+	1.627E-16	2.4898E-15	-0.24465	hypo	sig	chr15_101009073

chr17	1203863	1203863	+	1.628E-16	2.4915E-15	0.251142	hyper	sig	chr17_1203863
chr17	41529212	41529212	+	1.628E-16	2.4921E-15	-0.23867	hypo	sig	chr17_41529212
chr2	2.32E+08	232388103	+	1.629E-16	2.4925E-15	0.394852	hyper	sig	chr2_232388103
chr5	1444795	1444795	+	1.629E-16	2.4932E-15	0.222284	hyper	sig	chr5_1444795
chr13	78607226	78607226	+	1.629E-16	2.4935E-15	0.287069	hyper	sig	chr13_78607226
chr6	1.08E+08	108171202	+	1.63E-16	2.4947E-15	0.304688	hyper	sig	chr6_108171202
chr16	55656351	55656351	+	1.63E-16	2.495E-15	0.256073	hyper	sig	chr16_55656351
chr6	1.34E+08	134176368	+	1.63E-16	2.4951E-15	0.286672	hyper	sig	chr6_134176368
chr3	44585121	44585121	+	1.631E-16	2.4956E-15	0.211922	hyper	sig	chr3_44585121
chr5	11384530	11384530	+	1.631E-16	2.4956E-15	0.259868	hyper	sig	chr5_11384530
chr17	44269526	44269526	+	1.633E-16	2.4987E-15	-0.21695	hypo	sig	chr17_44269526
chr19	51328020	51328020	+	1.633E-16	2.4988E-15	0.278166	hyper	sig	chr19_51328020
chr7	1.29E+08	128829705	+	1.636E-16	2.503E-15	0.251353	hyper	sig	chr7_128829705
chr19	55276757	55276757	+	1.636E-16	2.5039E-15	-0.29026	hypo	sig	chr19_55276757
chr5	77638594	77638594	+	1.636E-16	2.504E-15	0.298428	hyper	sig	chr5_77638594
chr15	93090140	93090140	+	1.637E-16	2.5051E-15	0.207598	hyper	sig	chr15_93090140
chr9	1.29E+08	129254012	+	1.639E-16	2.5081E-15	0.336028	hyper	sig	chr9_129254012
chr10	1.32E+08	132249018	+	1.639E-16	2.5083E-15	-0.28509	hypo	sig	chr10_132249018
chr14	1.04E+08	103520101	+	1.64E-16	2.5084E-15	0.21824	hyper	sig	chr14_103520101
chr11	69963782	69963782	+	1.641E-16	2.5107E-15	0.268292	hyper	sig	chr11_69963782
chr19	9363199	9363199	+	1.641E-16	2.5111E-15	0.327184	hyper	sig	chr19_9363199
chr10	13891694	13891694	+	1.642E-16	2.512E-15	0.256903	hyper	sig	chr10_13891694
chr2	1.11E+08	111366850	+	1.643E-16	2.5135E-15	0.2598	hyper	sig	chr2_111366850
chr4	41748445	41748445	+	1.643E-16	2.5135E-15	0.20725	hyper	sig	chr4_41748445
chr1	1.44E+08	143653010	+	1.644E-16	2.5144E-15	0.271665	hyper	sig	chr1_143653010
chr18	9707921	9707921	+	1.644E-16	2.5152E-15	0.253126	hyper	sig	chr18_9707921
chr2	2.22E+08	222294531	+	1.644E-16	2.5152E-15	0.289234	hyper	sig	chr2_222294531
chr11	2266623	2266623	+	1.645E-16	2.5154E-15	-0.24785	hypo	sig	chr11_2266623
chr16	4664038	4664038	+	1.646E-16	2.5179E-15	-0.29031	hypo	sig	chr16_4664038
chr11	1.25E+08	125263498	+	1.646E-16	2.5183E-15	0.213993	hyper	sig	chr11_125263498
chr19	58367768	58367768	+	1.647E-16	2.5195E-15	0.333837	hyper	sig	chr19_58367768
chr3	1.49E+08	149377753	+	1.647E-16	2.5196E-15	-0.30146	hypo	sig	chr3_149377753
chr7	74094664	74094664	+	1.648E-16	2.5197E-15	0.355001	hyper	sig	chr7_74094664
chr1	32767872	32767872	+	1.649E-16	2.5218E-15	0.266586	hyper	sig	chr1_32767872
chr10	1.03E+08	103277961	+	1.65E-16	2.5238E-15	0.293812	hyper	sig	chr10_103277961
chr2	8282168	8282168	+	1.651E-16	2.5241E-15	-0.25145	hypo	sig	chr2_8282168
chr1	17149619	17149619	+	1.653E-16	2.5286E-15	0.27101	hyper	sig	chr1_17149619
chr6	1.7E+08	170472348	+	1.654E-16	2.529E-15	-0.36957	hypo	sig	chr6_170472348
chr3	1.58E+08	157542962	+	1.654E-16	2.5292E-15	0.273802	hyper	sig	chr3_157542962
chr2	2.02E+08	201619224	+	1.654E-16	2.5294E-15	0.284215	hyper	sig	chr2_201619224
chr13	1.14E+08	114110747	+	1.654E-16	2.5297E-15	-0.30954	hypo	sig	chr13_114110747
chr1	3651115	3651115	+	1.654E-16	2.5298E-15	0.264652	hyper	sig	chr1_3651115
chr10	1.01E+08	100830637	+	1.655E-16	2.5306E-15	0.259453	hyper	sig	chr10_100830637
chr8	1.44E+08	143704257	+	1.655E-16	2.531E-15	-0.28636	hypo	sig	chr8_143704257
chr5	1.77E+08	177358295	+	1.656E-16	2.5315E-15	-0.26128	hypo	sig	chr5_177358295
chr13	24932079	24932079	+	1.657E-16	2.5338E-15	0.232146	hyper	sig	chr13_24932079
chr3	1.73E+08	173141190	+	1.657E-16	2.5338E-15	-0.23231	hypo	sig	chr3_173141190
chr11	3223291	3223291	+	1.659E-16	2.536E-15	-0.27147	hypo	sig	chr11_3223291
chr1	24931495	24931495	+	1.66E-16	2.5377E-15	0.32416	hyper	sig	chr1_24931495
chr16	67964076	67964076	+	1.661E-16	2.5395E-15	0.262779	hyper	sig	chr16_67964076
chr2	1.34E+08	134024164	+	1.664E-16	2.5431E-15	-0.29808	hypo	sig	chr2_134024164
chr17	48552444	48552444	+	1.664E-16	2.5438E-15	0.302756	hyper	sig	chr17_48552444
chr6	1.5E+08	150037742	+	1.666E-16	2.5464E-15	0.225004	hyper	sig	chr6_150037742
chr8	67950297	67950297	+	1.666E-16	2.5465E-15	-0.23576	hypo	sig	chr8_67950297
chr19	58118690	58118690	+	1.666E-16	2.5467E-15	0.313177	hyper	sig	chr19_58118690
chr10	1.28E+08	127919605	+	1.668E-16	2.5493E-15	-0.25437	hypo	sig	chr10_127919605

chr7	1.56E+08	155997631	+	1.668E-16	2.55E-15	0.236308	hyper	sig	chr7_155997631
chr9	1.37E+08	137130470	+	1.67E-16	2.5524E-15	0.243336	hyper	sig	chr9_137130470
chr15	74133202	74133202	+	1.67E-16	2.5525E-15	0.312876	hyper	sig	chr15_74133202
chr19	52492812	52492812	+	1.67E-16	2.5531E-15	0.317885	hyper	sig	chr19_52492812
chr5	17654491	17654491	+	1.672E-16	2.5551E-15	-0.30857	hypo	sig	chr5_17654491
chr15	60002238	60002238	+	1.674E-16	2.5587E-15	0.275724	hyper	sig	chr15_60002238
chr19	39264077	39264077	+	1.674E-16	2.5592E-15	0.264308	hyper	sig	chr19_39264077
chr5	1.41E+08	141431353	+	1.675E-16	2.56E-15	0.293434	hyper	sig	chr5_141431353
chr17	8408382	8408382	+	1.677E-16	2.5636E-15	-0.27696	hypo	sig	chr17_8408382
chr16	86520754	86520754	+	1.677E-16	2.5638E-15	-0.31521	hypo	sig	chr16_86520754
chr10	1.01E+08	101062003	+	1.679E-16	2.5664E-15	-0.34945	hypo	sig	chr10_101062003
chr7	15687142	15687142	+	1.68E-16	2.568E-15	0.205284	hyper	sig	chr7_15687142
chr5	1.41E+08	141234889	+	1.681E-16	2.5686E-15	0.275011	hyper	sig	chr5_141234889
chr6	1.52E+08	152100279	+	1.681E-16	2.5686E-15	-0.25231	hypo	sig	chr6_152100279
chr3	1.47E+08	147409919	+	1.681E-16	2.5688E-15	0.280678	hyper	sig	chr3_147409919
chr12	1.25E+08	124554797	+	1.681E-16	2.569E-15	0.264751	hyper	sig	chr12_124554797
chr16	88975743	88975743	+	1.681E-16	2.5693E-15	-0.22448	hypo	sig	chr16_88975743
chr6	30127274	30127274	+	1.683E-16	2.5724E-15	0.272026	hyper	sig	chr6_30127274
chr21	45588256	45588256	+	1.684E-16	2.5733E-15	-0.24893	hypo	sig	chr21_45588256
chr13	1.12E+08	112074054	+	1.684E-16	2.5736E-15	0.219723	hyper	sig	chr13_112074054
chr16	4475969	4475969	+	1.685E-16	2.5752E-15	-0.25944	hypo	sig	chr16_4475969
chr2	96864822	96864822	+	1.685E-16	2.5752E-15	0.250247	hyper	sig	chr2_96864822
chr4	84495966	84495966	+	1.686E-16	2.5758E-15	0.27839	hyper	sig	chr4_84495966
chr15	47185764	47185764	+	1.687E-16	2.578E-15	-0.25057	hypo	sig	chr15_47185764
chr14	28775026	28775026	+	1.687E-16	2.5781E-15	0.310956	hyper	sig	chr14_28775026
chr11	70662054	70662054	+	1.688E-16	2.5786E-15	0.296263	hyper	sig	chr11_70662054
chr17	58544068	58544068	+	1.69E-16	2.582E-15	-0.22345	hypo	sig	chr17_58544068
chr1	1.98E+08	197910602	+	1.69E-16	2.5824E-15	0.337428	hyper	sig	chr1_197910602
chr5	1.41E+08	141235193	+	1.692E-16	2.5845E-15	0.24594	hyper	sig	chr5_141235193
chr22	46063153	46063153	+	1.692E-16	2.5849E-15	0.233211	hyper	sig	chr22_46063153
chr6	1.37E+08	136920863	+	1.693E-16	2.5867E-15	0.206149	hyper	sig	chr6_136920863
chr19	9498476	9498476	+	1.694E-16	2.587E-15	0.268103	hyper	sig	chr19_9498476
chr2	2.22E+08	222297088	+	1.694E-16	2.5876E-15	0.205221	hyper	sig	chr2_222297088
chr2	1.71E+08	170815093	+	1.695E-16	2.5894E-15	0.281155	hyper	sig	chr2_170815093
chr7	73831689	73831689	+	1.695E-16	2.5897E-15	-0.27628	hypo	sig	chr7_73831689
chr17	57045590	57045590	+	1.696E-16	2.5909E-15	0.309218	hyper	sig	chr17_57045590
chr2	1.18E+08	118310434	+	1.696E-16	2.5912E-15	0.210456	hyper	sig	chr2_118310434
chr5	2129665	2129665	+	1.697E-16	2.592E-15	0.274623	hyper	sig	chr5_2129665
chr6	32761828	32761828	+	1.697E-16	2.592E-15	0.281745	hyper	sig	chr6_32761828
chr3	49718992	49718992	+	1.699E-16	2.5947E-15	0.301314	hyper	sig	chr3_49718992
chr1	1.83E+08	183416917	+	1.7E-16	2.5962E-15	0.216802	hyper	sig	chr1_183416917
chr3	11558198	11558198	+	1.701E-16	2.5971E-15	0.222882	hyper	sig	chr3_11558198
chr9	1.24E+08	124487470	+	1.701E-16	2.5982E-15	0.279641	hyper	sig	chr9_124487470
chr7	1.55E+08	155450203	+	1.702E-16	2.5987E-15	0.267002	hyper	sig	chr7_155450203
chr16	89834159	89834159	+	1.703E-16	2.6005E-15	-0.23003	hypo	sig	chr16_89834159
chr20	9507074	9507074	+	1.703E-16	2.6005E-15	0.255849	hyper	sig	chr20_9507074
chr1	90720365	90720365	+	1.704E-16	2.6025E-15	0.304845	hyper	sig	chr1_90720365
chr2	2.32E+08	232459065	+	1.705E-16	2.6034E-15	0.28997	hyper	sig	chr2_232459065
chr7	1.58E+08	158451038	+	1.705E-16	2.6034E-15	-0.26512	hypo	sig	chr7_158451038
chr11	66049057	66049057	+	1.705E-16	2.6037E-15	0.282121	hyper	sig	chr11_66049057
chr1	1.57E+08	156661497	+	1.706E-16	2.6051E-15	-0.20806	hypo	sig	chr1_156661497
chr8	1.42E+08	142126148	+	1.709E-16	2.609E-15	-0.33353	hypo	sig	chr8_142126148
chr15	67824140	67824140	+	1.709E-16	2.6097E-15	0.239171	hyper	sig	chr15_67824140
chr19	4369396	4369396	+	1.71E-16	2.6104E-15	-0.252	hypo	sig	chr19_4369396
chr11	1.25E+08	124747526	+	1.711E-16	2.6117E-15	0.273835	hyper	sig	chr11_124747526
chr1	92029447	92029447	+	1.711E-16	2.6118E-15	-0.22118	hypo	sig	chr1_92029447

chr12	1.3E+08	130161524	+	1.711E-16	2.6121E-15	0.222391	hyper	sig	chr12_130161524
chr2	24489825	24489825	+	1.712E-16	2.6141E-15	-0.20984	hypo	sig	chr2_24489825
chr4	1.04E+08	103719989	+	1.712E-16	2.6142E-15	0.240034	hyper	sig	chr4_103719989
chr8	46407212	46407212	+	1.713E-16	2.615E-15	-0.2336	hypo	sig	chr8_46407212
chr11	64368176	64368176	+	1.713E-16	2.6154E-15	0.289634	hyper	sig	chr11_64368176
chr17	10729540	10729540	+	1.713E-16	2.6156E-15	0.233287	hyper	sig	chr17_10729540
chr17	76264580	76264580	+	1.714E-16	2.6157E-15	-0.25349	hypo	sig	chr17_76264580
chr11	72697152	72697152	+	1.714E-16	2.6161E-15	0.275508	hyper	sig	chr11_72697152
chr14	36654706	36654706	+	1.714E-16	2.617E-15	0.330733	hyper	sig	chr14_36654706
chr3	1.84E+08	184338758	+	1.715E-16	2.6182E-15	0.295505	hyper	sig	chr3_184338758
chr12	59085186	59085186	+	1.716E-16	2.6189E-15	0.33416	hyper	sig	chr12_59085186
chr12	31078002	31078002	+	1.717E-16	2.62E-15	-0.24445	hypo	sig	chr12_31078002
chr5	1295646	1295646	+	1.717E-16	2.621E-15	0.251266	hyper	sig	chr5_1295646
chr19	58033783	58033783	+	1.718E-16	2.6218E-15	0.30222	hyper	sig	chr19_58033783
chr11	65047689	65047689	+	1.718E-16	2.6226E-15	0.282335	hyper	sig	chr11_65047689
chr1	2.46E+08	245685073	+	1.719E-16	2.6237E-15	-0.29389	hypo	sig	chr1_245685073
chr6	1.68E+08	168132827	+	1.72E-16	2.6247E-15	-0.23973	hypo	sig	chr6_168132827
chr7	1077835	1077835	+	1.72E-16	2.6249E-15	0.218162	hyper	sig	chr7_1077835
chr3	11568630	11568630	+	1.72E-16	2.6254E-15	0.301419	hyper	sig	chr3_11568630
chr7	16755060	16755060	+	1.722E-16	2.6274E-15	-0.24983	hypo	sig	chr7_16755060
chr17	4515613	4515613	+	1.723E-16	2.629E-15	-0.26776	hypo	sig	chr17_4515613
chr8	1.3E+08	129985925	+	1.725E-16	2.6318E-15	-0.20607	hypo	sig	chr8_129985925
chr17	79789686	79789686	+	1.725E-16	2.6319E-15	0.294751	hyper	sig	chr17_79789686
chr14	55441559	55441559	+	1.727E-16	2.6346E-15	-0.27525	hypo	sig	chr14_55441559
chr1	1.57E+08	156647091	+	1.728E-16	2.6364E-15	0.274292	hyper	sig	chr1_156647091
chr1	1.44E+08	143692431	+	1.728E-16	2.6368E-15	0.248499	hyper	sig	chr1_143692431
chr8	39314601	39314601	+	1.729E-16	2.6381E-15	0.288766	hyper	sig	chr8_39314601
chr11	6571436	6571436	+	1.729E-16	2.6388E-15	0.242232	hyper	sig	chr11_6571436
chr7	1.5E+08	150047862	+	1.73E-16	2.6393E-15	0.239231	hyper	sig	chr7_150047862
chr11	2807216	2807216	+	1.73E-16	2.6394E-15	0.247288	hyper	sig	chr11_2807216
chr7	1.09E+08	108528238	+	1.731E-16	2.6404E-15	-0.24599	hypo	sig	chr7_108528238
chr5	1243775	1243775	+	1.732E-16	2.6428E-15	0.249556	hyper	sig	chr5_1243775
chr2	1.55E+08	154698971	+	1.733E-16	2.6445E-15	0.262797	hyper	sig	chr2_154698971
chr5	1.41E+08	141303935	+	1.734E-16	2.6452E-15	0.34833	hyper	sig	chr5_141303935
chr12	41187591	41187591	+	1.735E-16	2.6471E-15	-0.28035	hypo	sig	chr12_41187591
chr6	31734167	31734167	+	1.735E-16	2.6471E-15	-0.21493	hypo	sig	chr6_31734167
chr9	1.38E+08	137788784	+	1.735E-16	2.6475E-15	-0.341	hypo	sig	chr9_137788784
chr15	92394999	92394999	+	1.736E-16	2.6482E-15	0.202933	hyper	sig	chr15_92394999
chr1	3227097	3227097	+	1.737E-16	2.649E-15	0.284407	hyper	sig	chr1_3227097
chr8	41310168	41310168	+	1.737E-16	2.6498E-15	0.27577	hyper	sig	chr8_41310168
chr12	1.02E+08	101642494	+	1.738E-16	2.6507E-15	0.226659	hyper	sig	chr12_101642494
chr5	1.77E+08	176619979	+	1.739E-16	2.6519E-15	0.302445	hyper	sig	chr5_176619979
chr15	67825761	67825761	+	1.739E-16	2.6525E-15	0.20005	hyper	sig	chr15_67825761
chr11	1.3E+08	130050546	+	1.74E-16	2.6537E-15	0.232248	hyper	sig	chr11_130050546
chr1	2876161	2876161	+	1.74E-16	2.6543E-15	0.208701	hyper	sig	chr1_2876161
chr6	1.1E+08	110356710	+	1.741E-16	2.6546E-15	0.258399	hyper	sig	chr6_110356710
chr8	27122845	27122845	+	1.742E-16	2.6576E-15	-0.22003	hypo	sig	chr8_27122845
chr10	1.33E+08	132508808	+	1.743E-16	2.6577E-15	0.263623	hyper	sig	chr10_132508808
chr22	38214590	38214590	+	1.743E-16	2.6579E-15	0.331841	hyper	sig	chr22_38214590
chr3	1.72E+08	172448735	+	1.743E-16	2.6582E-15	0.352234	hyper	sig	chr3_172448735
chr4	4226422	4226422	+	1.744E-16	2.6591E-15	0.295735	hyper	sig	chr4_4226422
chr11	89730521	89730521	+	1.746E-16	2.662E-15	-0.2099	hypo	sig	chr11_89730521
chr5	58582460	58582460	+	1.749E-16	2.6675E-15	0.207106	hyper	sig	chr5_58582460
chr5	1139971	1139971	+	1.751E-16	2.6698E-15	-0.20747	hypo	sig	chr5_1139971
chr6	28673831	28673831	+	1.752E-16	2.6715E-15	0.222077	hyper	sig	chr6_28673831
chr2	1.54E+08	153871415	+	1.752E-16	2.6721E-15	0.297993	hyper	sig	chr2_153871415

chr6	34238925	34238925	+	1.754E-16	2.6737E-15	-0.2626	hypo	sig	chr6_34238925
chr10	1167548	1167548	+	1.755E-16	2.6759E-15	-0.23854	hypo	sig	chr10_1167548
chr7	1.28E+08	128476358	+	1.756E-16	2.6766E-15	-0.24258	hypo	sig	chr7_128476358
chr10	665629	665629	+	1.756E-16	2.677E-15	0.229169	hyper	sig	chr10_665629
chr1	1.11E+08	111271063	+	1.756E-16	2.6773E-15	0.242355	hyper	sig	chr1_111271063
chr13	52847567	52847567	+	1.756E-16	2.6776E-15	0.291046	hyper	sig	chr13_52847567
chr12	6620420	6620420	+	1.759E-16	2.682E-15	0.314721	hyper	sig	chr12_6620420
chr16	7303481	7303481	+	1.76E-16	2.6827E-15	0.276928	hyper	sig	chr16_7303481
chr19	48485092	48485092	+	1.761E-16	2.6844E-15	0.233409	hyper	sig	chr19_48485092
chr2	91443015	91443015	+	1.762E-16	2.6854E-15	0.291252	hyper	sig	chr2_91443015
chr13	1.14E+08	114049659	+	1.762E-16	2.6854E-15	-0.2474	hypo	sig	chr13_114049659
chr16	31224295	31224295	+	1.764E-16	2.6884E-15	0.354278	hyper	sig	chr16_31224295
chr21	45393364	45393364	+	1.764E-16	2.6893E-15	-0.33548	hypo	sig	chr21_45393364
chr4	1405477	1405477	+	1.765E-16	2.6899E-15	0.33015	hyper	sig	chr4_1405477
chr12	34165630	34165630	+	1.765E-16	2.6908E-15	-0.24159	hypo	sig	chr12_34165630
chr17	42784554	42784554	+	1.766E-16	2.6925E-15	0.229369	hyper	sig	chr17_42784554
chr10	1.34E+08	133528041	+	1.767E-16	2.6926E-15	0.330296	hyper	sig	chr10_133528041
chr12	21941439	21941439	+	1.767E-16	2.6934E-15	0.204309	hyper	sig	chr12_21941439
chr8	42156468	42156468	+	1.767E-16	2.6939E-15	0.226257	hyper	sig	chr8_42156468
chr4	4862730	4862730	+	1.768E-16	2.6941E-15	0.31008	hyper	sig	chr4_4862730
chr15	96368464	96368464	+	1.768E-16	2.6948E-15	0.220467	hyper	sig	chr15_96368464
chr7	8441830	8441830	+	1.768E-16	2.6948E-15	0.339246	hyper	sig	chr7_8441830
chr4	65668559	65668559	+	1.769E-16	2.696E-15	0.273939	hyper	sig	chr4_65668559
chr7	1.57E+08	157004714	+	1.772E-16	2.7E-15	0.255195	hyper	sig	chr7_157004714
chr4	8388043	8388043	+	1.773E-16	2.7014E-15	-0.21151	hypo	sig	chr4_8388043
chr12	81078333	81078333	+	1.773E-16	2.7015E-15	0.226635	hyper	sig	chr12_81078333
chr3	75655451	75655451	+	1.773E-16	2.7019E-15	0.307734	hyper	sig	chr3_75655451
chr5	1.77E+08	177328170	+	1.774E-16	2.7041E-15	-0.26417	hypo	sig	chr5_177328170
chr19	37467801	37467801	+	1.778E-16	2.7089E-15	0.235333	hyper	sig	chr19_37467801
chr5	1.41E+08	141172919	+	1.778E-16	2.7089E-15	0.27247	hyper	sig	chr5_141172919
chr7	1707116	1707116	+	1.779E-16	2.7117E-15	-0.25704	hypo	sig	chr7_1707116
chr2	1.42E+08	142130531	+	1.781E-16	2.714E-15	0.257558	hyper	sig	chr2_142130531
chr20	22569141	22569141	+	1.781E-16	2.7143E-15	0.321182	hyper	sig	chr20_22569141
chr13	29505304	29505304	+	1.783E-16	2.717E-15	-0.25395	hypo	sig	chr13_29505304
chr16	89915949	89915949	+	1.784E-16	2.7178E-15	0.210983	hyper	sig	chr16_89915949
chr2	47691203	47691203	+	1.784E-16	2.7189E-15	-0.22751	hypo	sig	chr2_47691203
chr17	79925883	79925883	+	1.787E-16	2.723E-15	-0.30919	hypo	sig	chr17_79925883
chr7	97021379	97021379	+	1.788E-16	2.7242E-15	0.306179	hyper	sig	chr7_97021379
chr16	938928	938928	+	1.789E-16	2.7253E-15	-0.2024	hypo	sig	chr16_938928
chr18	57354431	57354431	+	1.789E-16	2.7261E-15	0.264184	hyper	sig	chr18_57354431
chr17	50781452	50781452	+	1.789E-16	2.7262E-15	0.269768	hyper	sig	chr17_50781452
chr6	10422403	10422403	+	1.789E-16	2.7262E-15	0.288634	hyper	sig	chr6_10422403
chr12	53951418	53951418	+	1.79E-16	2.7273E-15	0.220663	hyper	sig	chr12_53951418
chr3	1.38E+08	137760748	+	1.791E-16	2.7277E-15	0.217876	hyper	sig	chr3_137760748
chr5	1752553	1752553	+	1.791E-16	2.7282E-15	-0.27028	hypo	sig	chr5_1752553
chr4	1100077	1100077	+	1.792E-16	2.7291E-15	-0.25164	hypo	sig	chr4_1100077
chr4	28112883	28112883	+	1.792E-16	2.7301E-15	-0.20967	hypo	sig	chr4_28112883
chr20	63247029	63247029	+	1.793E-16	2.7312E-15	-0.27951	hypo	sig	chr20_63247029
chr16	51153917	51153917	+	1.794E-16	2.7323E-15	0.25402	hyper	sig	chr16_51153917
chr20	46252241	46252241	+	1.796E-16	2.7356E-15	-0.26055	hypo	sig	chr20_46252241
chr20	58842178	58842178	+	1.796E-16	2.736E-15	0.272193	hyper	sig	chr20_58842178
chr7	64575151	64575151	+	1.796E-16	2.736E-15	0.289012	hyper	sig	chr7_64575151
chr16	54288572	54288572	+	1.797E-16	2.7377E-15	0.204269	hyper	sig	chr16_54288572
chr6	1.14E+08	113860604	+	1.798E-16	2.7391E-15	0.260725	hyper	sig	chr6_113860604
chr16	29257371	29257371	+	1.8E-16	2.7419E-15	-0.33372	hypo	sig	chr16_29257371
chr3	1.28E+08	128493589	+	1.801E-16	2.7422E-15	0.304777	hyper	sig	chr3_128493589

chr1	1.1E+08	110069080	+	1.801E-16	2.7425E-15	0.215972	hyper	sig	chr1_110069080
chr13	1.14E+08	113548426	+	1.801E-16	2.7427E-15	0.216258	hyper	sig	chr13_113548426
chr5	1.79E+08	178590809	+	1.801E-16	2.7429E-15	0.213958	hyper	sig	chr5_178590809
chr4	1.87E+08	187063404	+	1.802E-16	2.7437E-15	-0.29375	hypo	sig	chr4_187063404
chr5	10765447	10765447	+	1.804E-16	2.7465E-15	-0.32813	hypo	sig	chr5_10765447
chr16	3183996	3183996	+	1.804E-16	2.7466E-15	0.32925	hyper	sig	chr16_3183996
chr11	1.24E+08	123577673	+	1.805E-16	2.7478E-15	-0.32072	hypo	sig	chr11_123577673
chr14	85534739	85534739	+	1.806E-16	2.7497E-15	0.274225	hyper	sig	chr14_85534739
chr5	1549347	1549347	+	1.806E-16	2.7497E-15	-0.28818	hypo	sig	chr5_1549347
chr1	1.15E+08	115338249	+	1.806E-16	2.7505E-15	0.32198	hyper	sig	chr1_115338249
chr1	91546488	91546488	+	1.807E-16	2.7508E-15	-0.20971	hypo	sig	chr1_91546488
chr3	1.95E+08	195035626	+	1.808E-16	2.7528E-15	0.30165	hyper	sig	chr3_195035626
chr16	85892479	85892479	+	1.809E-16	2.7536E-15	-0.30223	hypo	sig	chr16_85892479
chr1	47986850	47986850	+	1.809E-16	2.7549E-15	0.23295	hyper	sig	chr1_47986850
chr10	81875619	81875619	+	1.81E-16	2.7564E-15	0.219085	hyper	sig	chr10_81875619
chr11	64972060	64972060	+	1.811E-16	2.7565E-15	0.27045	hyper	sig	chr11_64972060
chr19	49433015	49433015	+	1.811E-16	2.7566E-15	0.321009	hyper	sig	chr19_49433015
chr14	60485546	60485546	+	1.811E-16	2.7566E-15	0.247273	hyper	sig	chr14_60485546
chr9	1.29E+08	129438789	+	1.811E-16	2.7568E-15	-0.32181	hypo	sig	chr9_129438789
chr7	44962166	44962166	+	1.812E-16	2.7577E-15	-0.25005	hypo	sig	chr7_44962166
chr4	1.47E+08	147481747	+	1.813E-16	2.7603E-15	0.285112	hyper	sig	chr4_147481747
chr19	48444686	48444686	+	1.815E-16	2.7629E-15	0.329394	hyper	sig	chr19_48444686
chr3	1.97E+08	196978791	+	1.815E-16	2.7629E-15	0.22999	hyper	sig	chr3_196978791
chr20	58833675	58833675	+	1.815E-16	2.7631E-15	-0.31603	hypo	sig	chr20_58833675
chr2	910917	910917	+	1.816E-16	2.7638E-15	-0.28617	hypo	sig	chr2_910917
chr16	1027624	1027624	+	1.816E-16	2.7649E-15	-0.29608	hypo	sig	chr16_1027624
chr6	32155734	32155734	+	1.817E-16	2.7663E-15	0.261562	hyper	sig	chr6_32155734
chr15	93036997	93036997	+	1.818E-16	2.767E-15	-0.22213	hypo	sig	chr15_93036997
chr1	1.44E+08	143905323	+	1.819E-16	2.7686E-15	0.255627	hyper	sig	chr1_143905323
chr21	31659048	31659048	+	1.819E-16	2.7693E-15	-0.23246	hypo	sig	chr21_31659048
chr2	1.19E+08	118859116	+	1.82E-16	2.7695E-15	0.212613	hyper	sig	chr2_118859116
chr10	61452495	61452495	+	1.82E-16	2.7703E-15	0.258382	hyper	sig	chr10_61452495
chr17	50835122	50835122	+	1.82E-16	2.7705E-15	0.275183	hyper	sig	chr17_50835122
chr12	7439955	7439955	+	1.821E-16	2.7708E-15	0.239956	hyper	sig	chr12_7439955
chr3	1.54E+08	154122569	+	1.821E-16	2.7713E-15	0.267258	hyper	sig	chr3_154122569
chr8	54179199	54179199	+	1.822E-16	2.7725E-15	-0.24254	hypo	sig	chr8_54179199
chr22	17370779	17370779	+	1.823E-16	2.7746E-15	0.245326	hyper	sig	chr22_17370779
chr11	2266810	2266810	+	1.824E-16	2.7759E-15	-0.25855	hypo	sig	chr11_2266810
chr14	1.07E+08	106802711	+	1.825E-16	2.7771E-15	-0.25546	hypo	sig	chr14_106802711
chr5	1.32E+08	132257360	+	1.825E-16	2.7772E-15	0.228234	hyper	sig	chr5_132257360
chr8	57217758	57217758	+	1.827E-16	2.78E-15	-0.20036	hypo	sig	chr8_57217758
chr12	1.25E+08	124554794	+	1.83E-16	2.7843E-15	0.268302	hyper	sig	chr12_124554794
chr22	50281963	50281963	+	1.83E-16	2.7843E-15	-0.287	hypo	sig	chr22_50281963
chr16	67165507	67165507	+	1.83E-16	2.7844E-15	0.383227	hyper	sig	chr16_67165507
chr7	32318734	32318734	+	1.83E-16	2.7846E-15	0.294267	hyper	sig	chr7_32318734
chr10	1.02E+08	101829381	+	1.831E-16	2.7849E-15	0.311514	hyper	sig	chr10_101829381
chr2	70887652	70887652	+	1.831E-16	2.7854E-15	0.282123	hyper	sig	chr2_70887652
chr11	1.25E+08	124868565	+	1.831E-16	2.7858E-15	0.258774	hyper	sig	chr11_124868565
chr1	78490741	78490741	+	1.831E-16	2.7859E-15	0.259758	hyper	sig	chr1_78490741
chr1	8352699	8352699	+	1.832E-16	2.7867E-15	0.233316	hyper	sig	chr1_8352699
chr6	6002995	6002995	+	1.833E-16	2.7877E-15	0.266878	hyper	sig	chr6_6002995
chr18	45775707	45775707	+	1.833E-16	2.7886E-15	0.213686	hyper	sig	chr18_45775707
chr9	1.36E+08	135715074	+	1.833E-16	2.7886E-15	0.213686	hyper	sig	chr9_135715074
chr6	98825425	98825425	+	1.834E-16	2.7893E-15	0.211005	hyper	sig	chr6_98825425
chr18	37567243	37567243	+	1.836E-16	2.793E-15	0.21426	hyper	sig	chr18_37567243
chr11	59062718	59062718	+	1.837E-16	2.7938E-15	0.233876	hyper	sig	chr11_59062718

chr11	90134763	90134763	+	1.837E-16	2.7947E-15	0.247159	hyper	sig	chr11_90134763
chr13	1.12E+08	112053461	+	1.838E-16	2.7952E-15	0.269957	hyper	sig	chr13_112053461
chr19	18008239	18008239	+	1.838E-16	2.7953E-15	0.206023	hyper	sig	chr19_18008239
chr6	32096481	32096481	+	1.839E-16	2.7964E-15	0.267722	hyper	sig	chr6_32096481
chr13	36432154	36432154	+	1.839E-16	2.7964E-15	0.224432	hyper	sig	chr13_36432154
chr1	1.57E+08	156927543	+	1.839E-16	2.7972E-15	0.209358	hyper	sig	chr1_156927543
chr11	1748066	1748066	+	1.839E-16	2.7973E-15	0.3196	hyper	sig	chr11_1748066
chr19	58204766	58204766	+	1.84E-16	2.7983E-15	0.213304	hyper	sig	chr19_58204766
chr1	20702950	20702950	+	1.846E-16	2.808E-15	-0.27564	hypo	sig	chr1_20702950
chr2	394560	394560	+	1.847E-16	2.8094E-15	-0.26875	hypo	sig	chr2_394560
chr5	1.41E+08	141351826	+	1.849E-16	2.8124E-15	0.239669	hyper	sig	chr5_141351826
chr6	41028534	41028534	+	1.85E-16	2.8126E-15	0.277066	hyper	sig	chr6_41028534
chr7	83749617	83749617	+	1.85E-16	2.8136E-15	-0.2224	hypo	sig	chr7_83749617
chr20	63472250	63472250	+	1.852E-16	2.8166E-15	0.215264	hyper	sig	chr20_63472250
chr2	1.72E+08	172428899	+	1.854E-16	2.8195E-15	-0.21841	hypo	sig	chr2_172428899
chr2	1.21E+08	121288920	+	1.855E-16	2.8203E-15	-0.20346	hypo	sig	chr2_121288920
chr19	54982360	54982360	+	1.855E-16	2.821E-15	-0.26218	hypo	sig	chr19_54982360
chr7	526790	526790	+	1.856E-16	2.8212E-15	-0.28363	hypo	sig	chr7_526790
chr17	20578517	20578517	+	1.856E-16	2.8217E-15	-0.24258	hypo	sig	chr17_20578517
chr2	24164381	24164381	+	1.856E-16	2.8221E-15	-0.31345	hypo	sig	chr2_24164381
chr7	1.51E+08	151384026	+	1.856E-16	2.8221E-15	-0.35356	hypo	sig	chr7_151384026
chr1	44118840	44118840	+	1.857E-16	2.823E-15	-0.24514	hypo	sig	chr1_44118840
chr7	1.04E+08	103989582	+	1.86E-16	2.8273E-15	0.202622	hyper	sig	chr7_103989582
chr16	30894952	30894952	+	1.86E-16	2.828E-15	-0.21527	hypo	sig	chr16_30894952
chr5	2129085	2129085	+	1.862E-16	2.8307E-15	0.280667	hyper	sig	chr5_2129085
chr8	10729545	10729545	+	1.863E-16	2.8315E-15	0.254499	hyper	sig	chr8_10729545
chr4	1722759	1722759	+	1.865E-16	2.8352E-15	-0.32541	hypo	sig	chr4_1722759
chr20	56625353	56625353	+	1.867E-16	2.8382E-15	0.248175	hyper	sig	chr20_56625353
chr13	26046599	26046599	+	1.868E-16	2.8395E-15	-0.35648	hypo	sig	chr13_26046599
chr5	45695293	45695293	+	1.869E-16	2.8401E-15	0.356912	hyper	sig	chr5_45695293
chr5	28084167	28084167	+	1.87E-16	2.8423E-15	-0.39274	hypo	sig	chr5_28084167
chr21	41952813	41952813	+	1.87E-16	2.8427E-15	-0.23562	hypo	sig	chr21_41952813
chr19	11674522	11674522	+	1.871E-16	2.8439E-15	0.335685	hyper	sig	chr19_11674522
chr7	79454732	79454732	+	1.871E-16	2.8439E-15	0.204126	hyper	sig	chr7_79454732
chr11	68118138	68118138	+	1.872E-16	2.8444E-15	0.252843	hyper	sig	chr11_68118138
chr5	1.73E+08	173243986	+	1.872E-16	2.8445E-15	0.390566	hyper	sig	chr5_173243986
chr19	52370154	52370154	+	1.872E-16	2.8448E-15	0.210372	hyper	sig	chr19_52370154
chr20	46550595	46550595	+	1.874E-16	2.8472E-15	-0.23774	hypo	sig	chr20_46550595
chr14	38210457	38210457	+	1.874E-16	2.8474E-15	0.292876	hyper	sig	chr14_38210457
chr3	1.8E+08	180037336	+	1.874E-16	2.8482E-15	0.299895	hyper	sig	chr3_180037336
chr4	7434454	7434454	+	1.875E-16	2.8494E-15	-0.28071	hypo	sig	chr4_7434454
chr2	2709579	2709579	+	1.877E-16	2.8515E-15	-0.25604	hypo	sig	chr2_2709579
chr4	1.74E+08	173518726	+	1.877E-16	2.8522E-15	0.324619	hyper	sig	chr4_173518726
chr16	88259465	88259465	+	1.877E-16	2.8524E-15	-0.21897	hypo	sig	chr16_88259465
chr7	171330	171330	+	1.879E-16	2.8555E-15	-0.30705	hypo	sig	chr7_171330
chr2	88453131	88453131	+	1.88E-16	2.856E-15	0.222625	hyper	sig	chr2_88453131
chr18	77250156	77250156	+	1.88E-16	2.8562E-15	0.215709	hyper	sig	chr18_77250156
chr12	1.23E+08	123070988	+	1.88E-16	2.8563E-15	0.249977	hyper	sig	chr12_123070988
chr5	1.41E+08	141224903	+	1.881E-16	2.8577E-15	0.330423	hyper	sig	chr5_141224903
chr8	76678956	76678956	+	1.883E-16	2.8603E-15	-0.27485	hypo	sig	chr8_76678956
chr7	1.56E+08	156365010	+	1.883E-16	2.8611E-15	-0.25033	hypo	sig	chr7_156365010
chr1	1.57E+08	156849252	+	1.884E-16	2.8624E-15	0.299118	hyper	sig	chr1_156849252
chr3	26624011	26624011	+	1.884E-16	2.8627E-15	0.269644	hyper	sig	chr3_26624011
chr11	1927754	1927754	+	1.887E-16	2.8661E-15	-0.29796	hypo	sig	chr11_1927754
chr1	20343356	20343356	+	1.887E-16	2.8669E-15	0.291801	hyper	sig	chr1_20343356
chr2	2.13E+08	212538143	+	1.887E-16	2.8672E-15	0.261023	hyper	sig	chr2_212538143

chr7	1.51E+08	150969655	+	1.889E-16	2.8696E-15	0.265245	hyper	sig	chr7_150969655
chr20	63826025	63826025	+	1.891E-16	2.8727E-15	-0.2972	hypo	sig	chr20_63826025
chr17	45430595	45430595	+	1.893E-16	2.8748E-15	0.23924	hyper	sig	chr17_45430595
chr9	975856	975856	+	1.893E-16	2.875E-15	0.259084	hyper	sig	chr9_975856
chr16	86513025	86513025	+	1.893E-16	2.8754E-15	0.30944	hyper	sig	chr16_86513025
chr20	21608496	21608496	+	1.893E-16	2.8754E-15	-0.33206	hypo	sig	chr20_21608496
chr1	17149337	17149337	+	1.896E-16	2.88E-15	0.337032	hyper	sig	chr1_17149337
chr9	1.35E+08	134917843	+	1.896E-16	2.88E-15	-0.2444	hypo	sig	chr9_134917843
chr2	2.22E+08	222295537	+	1.898E-16	2.8823E-15	0.22173	hyper	sig	chr2_222295537
chr7	97022807	97022807	+	1.898E-16	2.883E-15	0.232411	hyper	sig	chr7_97022807
chr11	18209218	18209218	+	1.899E-16	2.8837E-15	0.337988	hyper	sig	chr11_18209218
chr8	1.23E+08	123207290	+	1.899E-16	2.8838E-15	0.33293	hyper	sig	chr8_123207290
chr16	87013404	87013404	+	1.9E-16	2.8853E-15	0.356657	hyper	sig	chr16_87013404
chr2	2.02E+08	202036319	+	1.9E-16	2.8853E-15	0.337321	hyper	sig	chr2_202036319
chr14	93936131	93936131	+	1.901E-16	2.887E-15	-0.27659	hypo	sig	chr14_93936131
chr6	33123364	33123364	+	1.901E-16	2.8872E-15	-0.24789	hypo	sig	chr6_33123364
chr4	1.74E+08	173519487	+	1.902E-16	2.8888E-15	0.279999	hyper	sig	chr4_173519487
chr7	170096	170096	+	1.902E-16	2.8888E-15	-0.22221	hypo	sig	chr7_170096
chr2	1.97E+08	196592483	+	1.903E-16	2.8891E-15	0.270062	hyper	sig	chr2_196592483
chr16	14406086	14406086	+	1.903E-16	2.8895E-15	-0.25306	hypo	sig	chr16_14406086
chr5	1.59E+08	159095419	+	1.905E-16	2.8931E-15	0.307355	hyper	sig	chr5_159095419
chr1	2434362	2434362	+	1.906E-16	2.8945E-15	-0.26277	hypo	sig	chr1_2434362
chr2	1.39E+08	138780143	+	1.906E-16	2.8946E-15	0.275219	hyper	sig	chr2_138780143
chr2	2.03E+08	203237777	+	1.908E-16	2.8971E-15	0.200814	hyper	sig	chr2_203237777
chr11	33015118	33015118	+	1.909E-16	2.8976E-15	-0.27547	hypo	sig	chr11_33015118
chr7	1.4E+08	139523265	+	1.909E-16	2.8982E-15	0.265635	hyper	sig	chr7_139523265
chr11	20162587	20162587	+	1.909E-16	2.8984E-15	0.2703	hyper	sig	chr11_20162587
chr11	77090998	77090998	+	1.91E-16	2.8989E-15	-0.23397	hypo	sig	chr11_77090998
chr5	1.36E+08	135930248	+	1.91E-16	2.8989E-15	0.262791	hyper	sig	chr5_135930248
chr8	54883278	54883278	+	1.91E-16	2.8989E-15	-0.25574	hypo	sig	chr8_54883278
chr7	80919896	80919896	+	1.91E-16	2.8995E-15	-0.24228	hypo	sig	chr7_80919896
chr8	11059231	11059231	+	1.91E-16	2.8995E-15	0.315022	hyper	sig	chr8_11059231
chr9	92807307	92807307	+	1.91E-16	2.9E-15	0.251845	hyper	sig	chr9_92807307
chr8	93496182	93496182	+	1.911E-16	2.9006E-15	0.302101	hyper	sig	chr8_93496182
chr20	38729375	38729375	+	1.911E-16	2.9008E-15	0.268969	hyper	sig	chr20_38729375
chr17	80198389	80198389	+	1.913E-16	2.9036E-15	0.290636	hyper	sig	chr17_80198389
chr14	1.01E+08	101364980	+	1.913E-16	2.9042E-15	0.313095	hyper	sig	chr14_101364980
chr19	1698401	1698401	+	1.914E-16	2.9049E-15	-0.26643	hypo	sig	chr19_1698401
chr12	1.17E+08	117189456	+	1.914E-16	2.905E-15	0.250923	hyper	sig	chr12_117189456
chr5	1.41E+08	140882649	+	1.915E-16	2.9064E-15	0.235842	hyper	sig	chr5_140882649
chr1	2855672	2855672	+	1.915E-16	2.9065E-15	0.25222	hyper	sig	chr1_2855672
chr15	52798635	52798635	+	1.917E-16	2.909E-15	0.235756	hyper	sig	chr15_52798635
chr10	1.29E+08	129057014	+	1.917E-16	2.9098E-15	-0.20668	hypo	sig	chr10_129057014
chr17	28711868	28711868	+	1.918E-16	2.9103E-15	0.226201	hyper	sig	chr17_28711868
chr6	50706809	50706809	+	1.918E-16	2.9105E-15	0.231075	hyper	sig	chr6_50706809
chr1	3293385	3293385	+	1.918E-16	2.911E-15	-0.31478	hypo	sig	chr1_3293385
chr3	1.42E+08	141797771	+	1.919E-16	2.9119E-15	0.236585	hyper	sig	chr3_141797771
chr15	37096681	37096681	+	1.92E-16	2.9132E-15	0.267439	hyper	sig	chr15_37096681
chr21	37567047	37567047	+	1.921E-16	2.9144E-15	-0.23157	hypo	sig	chr21_37567047
chr1	6088987	6088987	+	1.921E-16	2.9152E-15	-0.26394	hypo	sig	chr1_6088987
chr4	1.11E+08	110631180	+	1.921E-16	2.9154E-15	0.227576	hyper	sig	chr4_110631180
chr1	6455520	6455520	+	1.922E-16	2.9158E-15	0.230931	hyper	sig	chr1_6455520
chr10	95230961	95230961	+	1.922E-16	2.9158E-15	0.266768	hyper	sig	chr10_95230961
chr10	70283809	70283809	+	1.922E-16	2.9161E-15	0.297857	hyper	sig	chr10_70283809
chr10	42898711	42898711	+	1.922E-16	2.9165E-15	0.374021	hyper	sig	chr10_42898711
chr3	64268047	64268047	+	1.922E-16	2.9167E-15	0.266976	hyper	sig	chr3_64268047

chr19	817925	817925	+	1.923E-16	2.9173E-15	-0.31707	hypo	sig	chr19_817925
chr3	48662292	48662292	+	1.924E-16	2.9197E-15	0.406156	hyper	sig	chr3_48662292
chr13	1.13E+08	113022674	+	1.925E-16	2.9207E-15	0.231459	hyper	sig	chr13_113022674
chr1	2.01E+08	201469876	+	1.925E-16	2.9208E-15	0.268858	hyper	sig	chr1_201469876
chr5	506179	506179	+	1.926E-16	2.9215E-15	-0.28955	hypo	sig	chr5_506179
chr6	30071288	30071288	+	1.927E-16	2.923E-15	0.323927	hyper	sig	chr6_30071288
chr1	2.21E+08	220878396	+	1.927E-16	2.9231E-15	0.266203	hyper	sig	chr1_220878396
chr14	37611012	37611012	+	1.928E-16	2.9246E-15	0.272739	hyper	sig	chr14_37611012
chr13	1.12E+08	111959229	+	1.928E-16	2.925E-15	-0.25643	hypo	sig	chr13_111959229
chr17	4745354	4745354	+	1.928E-16	2.925E-15	0.30452	hyper	sig	chr17_4745354
chr1	8334076	8334076	+	1.929E-16	2.9268E-15	-0.23521	hypo	sig	chr1_8334076
chr4	785674	785674	+	1.93E-16	2.9272E-15	0.341729	hyper	sig	chr4_785674
chr22	19149360	19149360	+	1.93E-16	2.9277E-15	0.255535	hyper	sig	chr22_19149360
chr15	60002245	60002245	+	1.931E-16	2.9292E-15	0.244129	hyper	sig	chr15_60002245
chr8	23714211	23714211	+	1.932E-16	2.9298E-15	0.293573	hyper	sig	chr8_23714211
chr15	26869497	26869497	+	1.932E-16	2.9308E-15	-0.27416	hypo	sig	chr15_26869497
chr2	870582	870582	+	1.935E-16	2.9342E-15	-0.26399	hypo	sig	chr2_870582
chr6	32057004	32057004	+	1.935E-16	2.9348E-15	-0.26731	hypo	sig	chr6_32057004
chr10	1.33E+08	133207419	+	1.936E-16	2.9363E-15	-0.27225	hypo	sig	chr10_133207419
chr5	5139253	5139253	+	1.942E-16	2.9446E-15	0.287963	hyper	sig	chr5_5139253
chr17	6894338	6894338	+	1.944E-16	2.9476E-15	0.216557	hyper	sig	chr17_6894338
chr16	1533832	1533832	+	1.944E-16	2.9488E-15	0.22981	hyper	sig	chr16_1533832
chr3	13538228	13538228	+	1.945E-16	2.9502E-15	-0.24583	hypo	sig	chr3_13538228
chr5	1.39E+08	139276044	+	1.947E-16	2.9533E-15	-0.28286	hypo	sig	chr5_139276044
chr6	79947051	79947051	+	1.948E-16	2.9534E-15	0.231136	hyper	sig	chr6_79947051
chr16	2842626	2842626	+	1.948E-16	2.9535E-15	0.264988	hyper	sig	chr16_2842626
chr4	48484137	48484137	+	1.948E-16	2.9544E-15	0.239009	hyper	sig	chr4_48484137
chr15	75649235	75649235	+	1.95E-16	2.9565E-15	0.288375	hyper	sig	chr15_75649235
chr11	65607784	65607784	+	1.95E-16	2.9569E-15	0.319587	hyper	sig	chr11_65607784
chr19	2428329	2428329	+	1.952E-16	2.9598E-15	0.234484	hyper	sig	chr19_2428329
chr7	1E+08	100177941	+	1.953E-16	2.9608E-15	0.299247	hyper	sig	chr7_100177941
chr9	970433	970433	+	1.953E-16	2.9616E-15	0.228453	hyper	sig	chr9_970433
chr5	88889260	88889260	+	1.953E-16	2.9616E-15	0.279769	hyper	sig	chr5_88889260
chr13	99991965	99991965	+	1.954E-16	2.9631E-15	0.252249	hyper	sig	chr13_99991965
chr12	1.23E+08	123269542	+	1.955E-16	2.9642E-15	0.33565	hyper	sig	chr12_123269542
chr5	1761300	1761300	+	1.955E-16	2.9647E-15	-0.24533	hypo	sig	chr5_1761300
chr3	52845726	52845726	+	1.956E-16	2.9652E-15	0.29672	hyper	sig	chr3_52845726
chr17	45243954	45243954	+	1.956E-16	2.966E-15	-0.29976	hypo	sig	chr17_45243954
chr3	75641256	75641256	+	1.956E-16	2.966E-15	0.26823	hyper	sig	chr3_75641256
chr11	1.29E+08	128810547	+	1.957E-16	2.9666E-15	-0.20824	hypo	sig	chr11_128810547
chr3	1.35E+08	134650631	+	1.959E-16	2.97E-15	0.2746	hyper	sig	chr3_134650631
chr7	1.42E+08	142113296	+	1.96E-16	2.9706E-15	-0.25522	hypo	sig	chr7_142113296
chr8	1.33E+08	133237578	+	1.96E-16	2.9706E-15	0.244386	hyper	sig	chr8_133237578
chr11	69817402	69817402	+	1.96E-16	2.9713E-15	0.217744	hyper	sig	chr11_69817402
chr16	88814511	88814511	+	1.96E-16	2.9713E-15	-0.24739	hypo	sig	chr16_88814511
chr10	1.24E+08	124008449	+	1.96E-16	2.9714E-15	0.205952	hyper	sig	chr10_124008449
chr16	29877430	29877430	+	1.96E-16	2.9714E-15	0.259263	hyper	sig	chr16_29877430
chr4	1.33E+08	133151619	+	1.963E-16	2.9759E-15	0.295097	hyper	sig	chr4_133151619
chr1	3366253	3366253	+	1.964E-16	2.9763E-15	0.216254	hyper	sig	chr1_3366253
chr11	1.23E+08	122979837	+	1.964E-16	2.977E-15	0.200554	hyper	sig	chr11_122979837
chr12	1.2E+08	120361888	+	1.965E-16	2.9776E-15	0.269127	hyper	sig	chr12_120361888
chr10	8036351	8036351	+	1.965E-16	2.9784E-15	0.298636	hyper	sig	chr10_8036351
chr1	47445724	47445724	+	1.965E-16	2.9786E-15	0.378106	hyper	sig	chr1_47445724
chr5	1.41E+08	140882094	+	1.967E-16	2.9817E-15	0.235679	hyper	sig	chr5_140882094
chr2	2.13E+08	212536609	+	1.967E-16	2.9817E-15	0.297097	hyper	sig	chr2_212536609
chr5	1.41E+08	141409714	+	1.968E-16	2.9821E-15	0.288752	hyper	sig	chr5_141409714

chr12	1864970	1864970	+	1.971E-16	2.9865E-15	0.26559	hyper	sig	chr12_1864970
chr2	74526164	74526164	+	1.972E-16	2.9876E-15	-0.22297	hypo	sig	chr2_74526164
chr7	1.43E+08	142857817	+	1.972E-16	2.9885E-15	-0.20476	hypo	sig	chr7_142857817
chr7	1.51E+08	151014025	+	1.972E-16	2.9886E-15	0.278322	hyper	sig	chr7_151014025
chr10	86367557	86367557	+	1.973E-16	2.9891E-15	0.200631	hyper	sig	chr10_86367557
chr11	94398486	94398486	+	1.973E-16	2.9896E-15	-0.29411	hypo	sig	chr11_94398486
chr12	1.3E+08	130014241	+	1.974E-16	2.9904E-15	0.203646	hyper	sig	chr12_130014241
chr12	1.31E+08	131028816	+	1.975E-16	2.9921E-15	-0.26092	hypo	sig	chr12_131028816
chr3	1.35E+08	134650641	+	1.975E-16	2.9924E-15	0.257541	hyper	sig	chr3_134650641
chr1	14599357	14599357	+	1.976E-16	2.9933E-15	0.250858	hyper	sig	chr1_14599357
chr12	54029770	54029770	+	1.978E-16	2.9973E-15	0.217243	hyper	sig	chr12_54029770
chr4	13537337	13537337	+	1.979E-16	2.9982E-15	-0.2724	hypo	sig	chr4_13537337
chr3	1.88E+08	187670340	+	1.981E-16	3.0018E-15	0.261231	hyper	sig	chr3_187670340
chr9	1.37E+08	136701088	+	1.985E-16	3.0069E-15	-0.21604	hypo	sig	chr9_136701088
chr19	49037038	49037038	+	1.985E-16	3.0071E-15	-0.26117	hypo	sig	chr19_49037038
chr16	88978238	88978238	+	1.985E-16	3.0074E-15	-0.23954	hypo	sig	chr16_88978238
chr2	2.22E+08	222299097	+	1.985E-16	3.0074E-15	0.23212	hyper	sig	chr2_222299097
chr18	79497392	79497392	+	1.986E-16	3.0085E-15	0.338726	hyper	sig	chr18_79497392
chr16	3690934	3690934	+	1.987E-16	3.0098E-15	0.223832	hyper	sig	chr16_3690934
chr1	10672330	10672330	+	1.988E-16	3.0112E-15	0.288438	hyper	sig	chr1_10672330
chr1	41432650	41432650	+	1.989E-16	3.0123E-15	0.20876	hyper	sig	chr1_41432650
chr3	1.81E+08	180821316	+	1.989E-16	3.0132E-15	-0.36436	hypo	sig	chr3_180821316
chr16	85574516	85574516	+	1.99E-16	3.0137E-15	0.256995	hyper	sig	chr16_85574516
chr5	3103604	3103604	+	1.99E-16	3.0137E-15	0.290205	hyper	sig	chr5_3103604
chr19	1005293	1005293	+	1.99E-16	3.0146E-15	-0.21001	hypo	sig	chr19_1005293
chr4	1.64E+08	164383438	+	1.991E-16	3.0155E-15	0.343591	hyper	sig	chr4_164383438
chr12	1.15E+08	114686977	+	1.992E-16	3.0163E-15	0.23396	hyper	sig	chr12_114686977
chr2	2.41E+08	240673002	+	1.993E-16	3.0188E-15	0.216639	hyper	sig	chr2_240673002
chr7	5478736	5478736	+	1.995E-16	3.021E-15	0.312851	hyper	sig	chr7_5478736
chr16	55190270	55190270	+	1.997E-16	3.0239E-15	0.289709	hyper	sig	chr16_55190270
chr22	50028128	50028128	+	1.998E-16	3.0258E-15	-0.36148	hypo	sig	chr22_50028128
chr12	6555414	6555414	+	1.999E-16	3.0267E-15	0.283894	hyper	sig	chr12_6555414
chr12	49295424	49295424	+	1.999E-16	3.027E-15	0.209766	hyper	sig	chr12_49295424
chr3	1.66E+08	166445138	+	2E-16	3.0277E-15	-0.22186	hypo	sig	chr3_166445138
chr8	1029302	1029302	+	2E-16	3.0287E-15	-0.35637	hypo	sig	chr8_1029302
chr16	84032507	84032507	+	2.001E-16	3.0304E-15	-0.29822	hypo	sig	chr16_84032507
chr11	64149255	64149255	+	2.002E-16	3.0304E-15	0.238342	hyper	sig	chr11_64149255
chr6	39934139	39934139	+	2.002E-16	3.0308E-15	0.303565	hyper	sig	chr6_39934139
chr7	97732109	97732109	+	2.002E-16	3.0315E-15	0.221457	hyper	sig	chr7_97732109
chr19	34594569	34594569	+	2.003E-16	3.0324E-15	0.207778	hyper	sig	chr19_34594569
chr16	24671125	24671125	+	2.006E-16	3.0363E-15	0.256712	hyper	sig	chr16_24671125
chr13	99997232	99997232	+	2.01E-16	3.0428E-15	0.272352	hyper	sig	chr13_99997232
chr16	68642832	68642832	+	2.012E-16	3.0457E-15	0.302493	hyper	sig	chr16_68642832
chr4	1.56E+08	155758944	+	2.012E-16	3.0457E-15	0.281123	hyper	sig	chr4_155758944
chr14	41605503	41605503	+	2.015E-16	3.05E-15	0.232126	hyper	sig	chr14_41605503
chr14	70886491	70886491	+	2.015E-16	3.0506E-15	-0.2753	hypo	sig	chr14_70886491
chr1	3651509	3651509	+	2.016E-16	3.052E-15	0.21532	hyper	sig	chr1_3651509
chr11	44309310	44309310	+	2.017E-16	3.0522E-15	0.24401	hyper	sig	chr11_44309310
chr11	313527	313527	+	2.017E-16	3.0532E-15	-0.25857	hypo	sig	chr11_313527
chr8	64373714	64373714	+	2.019E-16	3.0552E-15	0.292649	hyper	sig	chr8_64373714
chr18	79797187	79797187	+	2.019E-16	3.0554E-15	0.328696	hyper	sig	chr18_79797187
chr1	10046553	10046553	+	2.019E-16	3.0562E-15	0.275694	hyper	sig	chr1_10046553
chr11	32431051	32431051	+	2.02E-16	3.0572E-15	0.275018	hyper	sig	chr11_32431051
chr11	20669592	20669592	+	2.02E-16	3.0573E-15	0.364095	hyper	sig	chr11_20669592
chr5	45696463	45696463	+	2.021E-16	3.0578E-15	0.256597	hyper	sig	chr5_45696463
chr19	1399184	1399184	+	2.021E-16	3.0581E-15	-0.22604	hypo	sig	chr19_1399184

chr5	76372678	76372678	+	2.022E-16	3.0591E-15	-0.20159	hypo	sig	chr5_76372678
chr6	93417662	93417662	+	2.022E-16	3.0595E-15	0.290917	hyper	sig	chr6_93417662
chr22	19754951	19754951	+	2.022E-16	3.0597E-15	0.235419	hyper	sig	chr22_19754951
chr11	66559267	66559267	+	2.023E-16	3.0605E-15	0.245821	hyper	sig	chr11_66559267
chr20	35174740	35174740	+	2.023E-16	3.0615E-15	-0.28365	hypo	sig	chr20_35174740
chr3	1.8E+08	180036521	+	2.024E-16	3.0619E-15	0.261203	hyper	sig	chr3_180036521
chr11	1.23E+08	122977782	+	2.025E-16	3.0639E-15	0.239705	hyper	sig	chr11_122977782
chr20	63178084	63178084	+	2.025E-16	3.0646E-15	0.298297	hyper	sig	chr20_63178084
chr5	1.79E+08	178940548	+	2.025E-16	3.0646E-15	0.310619	hyper	sig	chr5_178940548
chr5	73301243	73301243	+	2.026E-16	3.0651E-15	0.274328	hyper	sig	chr5_73301243
chr11	67573372	67573372	+	2.026E-16	3.0654E-15	-0.34836	hypo	sig	chr11_67573372
chr10	1.33E+08	133264770	+	2.027E-16	3.0665E-15	-0.2546	hypo	sig	chr10_133264770
chr13	18600091	18600091	+	2.028E-16	3.0675E-15	0.275239	hyper	sig	chr13_18600091
chr5	1.41E+08	141210284	+	2.03E-16	3.071E-15	0.310474	hyper	sig	chr5_141210284
chr4	1.47E+08	146638468	+	2.031E-16	3.0724E-15	0.292472	hyper	sig	chr4_146638468
chr21	36695664	36695664	+	2.031E-16	3.0726E-15	0.322076	hyper	sig	chr21_36695664
chr1	1.74E+08	173669905	+	2.032E-16	3.0738E-15	0.24174	hyper	sig	chr1_173669905
chr8	1749262	1749262	+	2.032E-16	3.0742E-15	0.204749	hyper	sig	chr8_1749262
chr11	36454722	36454722	+	2.033E-16	3.0752E-15	-0.24588	hypo	sig	chr11_36454722
chr9	1.28E+08	128149276	+	2.034E-16	3.0761E-15	-0.30882	hypo	sig	chr9_128149276
chr6	27213933	27213933	+	2.035E-16	3.0787E-15	0.23649	hyper	sig	chr6_27213933
chr6	1.6E+08	159967892	+	2.037E-16	3.0814E-15	-0.22272	hypo	sig	chr6_159967892
chr19	43699407	43699407	+	2.038E-16	3.0831E-15	0.278991	hyper	sig	chr19_43699407
chr8	98939468	98939468	+	2.041E-16	3.0876E-15	0.228062	hyper	sig	chr8_98939468
chr15	96413862	96413862	+	2.041E-16	3.0876E-15	0.261627	hyper	sig	chr15_96413862
chr7	35254849	35254849	+	2.043E-16	3.0898E-15	0.314626	hyper	sig	chr7_35254849
chr3	21387778	21387778	+	2.044E-16	3.0912E-15	-0.34939	hypo	sig	chr3_21387778
chr2	1.28E+08	127700807	+	2.046E-16	3.0937E-15	-0.21409	hypo	sig	chr2_127700807
chr20	52973370	52973370	+	2.048E-16	3.097E-15	0.22756	hyper	sig	chr20_52973370
chr8	51408305	51408305	+	2.05E-16	3.1009E-15	-0.2283	hypo	sig	chr8_51408305
chr2	2.01E+08	201233389	+	2.051E-16	3.1009E-15	-0.29484	hypo	sig	chr2_201233389
chr16	78046208	78046208	+	2.051E-16	3.101E-15	0.236273	hyper	sig	chr16_78046208
chr5	33936075	33936075	+	2.051E-16	3.1013E-15	0.227861	hyper	sig	chr5_33936075
chr2	2.41E+08	240519446	+	2.051E-16	3.1018E-15	0.279919	hyper	sig	chr2_240519446
chr1	3651299	3651299	+	2.052E-16	3.103E-15	0.270413	hyper	sig	chr1_3651299
chr16	54939642	54939642	+	2.055E-16	3.107E-15	0.348456	hyper	sig	chr16_54939642
chr3	1.41E+08	141052990	+	2.059E-16	3.1139E-15	0.250408	hyper	sig	chr3_141052990
chr5	1.78E+08	178165690	+	2.068E-16	3.1274E-15	0.421107	hyper	sig	chr5_178165690
chr16	69351924	69351924	+	2.069E-16	3.1288E-15	-0.25079	hypo	sig	chr16_69351924
chr16	67163646	67163646	+	2.07E-16	3.1288E-15	0.314071	hyper	sig	chr16_67163646
chr14	55241077	55241077	+	2.07E-16	3.1294E-15	0.320868	hyper	sig	chr14_55241077
chr16	89052666	89052666	+	2.07E-16	3.1297E-15	-0.38386	hypo	sig	chr16_89052666
chr19	1271341	1271341	+	2.071E-16	3.1303E-15	0.278304	hyper	sig	chr19_1271341
chr11	2271981	2271981	+	2.072E-16	3.132E-15	0.214352	hyper	sig	chr11_2271981
chr6	1.69E+08	169140685	+	2.072E-16	3.1324E-15	-0.22252	hypo	sig	chr6_169140685
chr1	1.8E+08	180168783	+	2.073E-16	3.1338E-15	-0.22751	hypo	sig	chr1_180168783
chr14	1.01E+08	101030028	+	2.074E-16	3.1357E-15	-0.20007	hypo	sig	chr14_101030028
chr19	58367692	58367692	+	2.075E-16	3.1365E-15	0.215045	hyper	sig	chr19_58367692
chr2	1.19E+08	118842254	+	2.076E-16	3.1374E-15	0.281685	hyper	sig	chr2_118842254
chr6	1.5E+08	149954578	+	2.076E-16	3.1376E-15	0.213751	hyper	sig	chr6_149954578
chr11	64971871	64971871	+	2.076E-16	3.1379E-15	0.219994	hyper	sig	chr11_64971871
chr17	77403908	77403908	+	2.077E-16	3.1395E-15	0.265469	hyper	sig	chr17_77403908
chr8	22600533	22600533	+	2.077E-16	3.1395E-15	0.248565	hyper	sig	chr8_22600533
chr8	48143145	48143145	+	2.077E-16	3.1395E-15	-0.24097	hypo	sig	chr8_48143145
chr5	3606976	3606976	+	2.079E-16	3.1414E-15	0.27119	hyper	sig	chr5_3606976
chr22	20249803	20249803	+	2.079E-16	3.1427E-15	0.251184	hyper	sig	chr22_20249803

chr17	40779805	40779805	+	2.08E-16	3.1433E-15	0.246487	hyper	sig	chr17_40779805
chr5	1.41E+08	141403685	+	2.081E-16	3.1443E-15	0.292585	hyper	sig	chr5_141403685
chr5	84384194	84384194	+	2.081E-16	3.1447E-15	0.282862	hyper	sig	chr5_84384194
chr7	1246675	1246675	+	2.081E-16	3.1454E-15	0.234164	hyper	sig	chr7_1246675
chr1	11701714	11701714	+	2.082E-16	3.1463E-15	0.259049	hyper	sig	chr1_11701714
chr15	28832512	28832512	+	2.085E-16	3.1507E-15	0.218373	hyper	sig	chr15_28832512
chr16	1436559	1436559	+	2.086E-16	3.1523E-15	-0.34746	hypo	sig	chr16_1436559
chr20	4815053	4815053	+	2.086E-16	3.1527E-15	-0.27957	hypo	sig	chr20_4815053
chr8	60967833	60967833	+	2.087E-16	3.1529E-15	-0.22692	hypo	sig	chr8_60967833
chr22	50039737	50039737	+	2.088E-16	3.155E-15	-0.21984	hypo	sig	chr22_50039737
chr1	2.42E+08	242059566	+	2.09E-16	3.1575E-15	-0.28384	hypo	sig	chr1_242059566
chr22	37188194	37188194	+	2.09E-16	3.1575E-15	0.252105	hyper	sig	chr22_37188194
chr11	31825314	31825314	+	2.091E-16	3.1593E-15	0.281045	hyper	sig	chr11_31825314
chr10	22335054	22335054	+	2.091E-16	3.1596E-15	0.264066	hyper	sig	chr10_22335054
chr1	2.21E+08	220884177	+	2.093E-16	3.1628E-15	0.319778	hyper	sig	chr1_220884177
chr20	48827261	48827261	+	2.094E-16	3.163E-15	0.240005	hyper	sig	chr20_48827261
chr16	86578935	86578935	+	2.095E-16	3.1653E-15	0.290759	hyper	sig	chr16_86578935
chr5	43037415	43037415	+	2.098E-16	3.1695E-15	0.215089	hyper	sig	chr5_43037415
chr7	1613898	1613898	+	2.101E-16	3.1743E-15	-0.2785	hypo	sig	chr7_1613898
chr9	1.37E+08	137138899	+	2.104E-16	3.1776E-15	0.287667	hyper	sig	chr9_137138899
chr6	1.5E+08	149964595	+	2.105E-16	3.179E-15	0.214852	hyper	sig	chr6_149964595
chr18	33440790	33440790	+	2.105E-16	3.1792E-15	0.251259	hyper	sig	chr18_33440790
chr11	1.25E+08	124745220	+	2.105E-16	3.1801E-15	0.279644	hyper	sig	chr11_124745220
chr20	43558416	43558416	+	2.106E-16	3.1804E-15	-0.31098	hypo	sig	chr20_43558416
chr14	1.04E+08	104357717	+	2.107E-16	3.1822E-15	-0.26894	hypo	sig	chr14_104357717
chr10	1.23E+08	123147014	+	2.108E-16	3.1843E-15	0.227487	hyper	sig	chr10_123147014
chr5	10376561	10376561	+	2.109E-16	3.1855E-15	-0.25962	hypo	sig	chr5_10376561
chr6	1.59E+08	159168966	+	2.11E-16	3.1861E-15	0.29673	hyper	sig	chr6_159168966
chr6	30111503	30111503	+	2.112E-16	3.1897E-15	-0.21401	hypo	sig	chr6_30111503
chr12	1.18E+08	117874673	+	2.112E-16	3.1902E-15	-0.23281	hypo	sig	chr12_117874673
chr19	55432864	55432864	+	2.113E-16	3.1906E-15	-0.25611	hypo	sig	chr19_55432864
chr20	59604976	59604976	+	2.113E-16	3.191E-15	0.324369	hyper	sig	chr20_59604976
chr7	1.33E+08	132575734	+	2.113E-16	3.1914E-15	0.225828	hyper	sig	chr7_132575734
chr1	2.01E+08	201469873	+	2.114E-16	3.1918E-15	0.278651	hyper	sig	chr1_201469873
chr20	3663609	3663609	+	2.114E-16	3.192E-15	-0.26249	hypo	sig	chr20_3663609
chr14	1.04E+08	104155344	+	2.114E-16	3.1923E-15	-0.33106	hypo	sig	chr14_104155344
chr10	1.31E+08	130747919	+	2.116E-16	3.1951E-15	-0.28133	hypo	sig	chr10_130747919
chr17	4656806	4656806	+	2.117E-16	3.1965E-15	0.26406	hyper	sig	chr17_4656806
chr3	1.54E+08	154122827	+	2.117E-16	3.1969E-15	0.235688	hyper	sig	chr3_154122827
chr6	2840558	2840558	+	2.117E-16	3.1972E-15	-0.21527	hypo	sig	chr6_2840558
chr11	325034	325034	+	2.118E-16	3.1983E-15	0.266367	hyper	sig	chr11_325034
chr7	1.58E+08	158451000	+	2.119E-16	3.2001E-15	-0.2863	hypo	sig	chr7_158451000
chr10	1474916	1474916	+	2.12E-16	3.2001E-15	0.27332	hyper	sig	chr10_1474916
chr1	2.29E+08	229407262	+	2.12E-16	3.2006E-15	0.247161	hyper	sig	chr1_229407262
chr1	1.83E+08	183417031	+	2.122E-16	3.2037E-15	0.297845	hyper	sig	chr1_183417031
chr12	1.07E+08	106903348	+	2.122E-16	3.2043E-15	0.271531	hyper	sig	chr12_106903348
chr10	48685361	48685361	+	2.123E-16	3.2043E-15	-0.25662	hypo	sig	chr10_48685361
chr13	52195831	52195831	+	2.126E-16	3.2089E-15	0.218353	hyper	sig	chr13_52195831
chr16	990491	990491	+	2.126E-16	3.2092E-15	-0.31063	hypo	sig	chr16_990491
chr13	36155126	36155126	+	2.126E-16	3.2101E-15	0.34417	hyper	sig	chr13_36155126
chr1	1.11E+08	110675617	+	2.128E-16	3.2131E-15	0.300879	hyper	sig	chr1_110675617
chr6	1601236	1601236	+	2.129E-16	3.2144E-15	-0.23177	hypo	sig	chr6_1601236
chr2	74415388	74415388	+	2.13E-16	3.2151E-15	0.267678	hyper	sig	chr2_74415388
chr5	3854942	3854942	+	2.13E-16	3.2151E-15	-0.30732	hypo	sig	chr5_3854942
chr10	1.19E+08	118595907	+	2.131E-16	3.2166E-15	0.363927	hyper	sig	chr10_118595907
chr4	1.4E+08	140426903	+	2.131E-16	3.2167E-15	0.216963	hyper	sig	chr4_140426903

chr11	72244104	72244104	+	2.133E-16	3.2197E-15	0.23815	hyper	sig	chr11_72244104
chr1	2.05E+08	205314110	+	2.134E-16	3.2209E-15	0.218827	hyper	sig	chr1_205314110
chr1	63329698	63329698	+	2.135E-16	3.2228E-15	0.282463	hyper	sig	chr1_63329698
chr17	83075523	83075523	+	2.136E-16	3.2241E-15	-0.24508	hypo	sig	chr17_83075523
chr12	34358491	34358491	+	2.139E-16	3.2282E-15	-0.41208	hypo	sig	chr12_34358491
chr3	1.38E+08	137771808	+	2.141E-16	3.2313E-15	0.214994	hyper	sig	chr3_137771808
chr5	38557265	38557265	+	2.142E-16	3.2329E-15	0.211065	hyper	sig	chr5_38557265
chr6	1E+08	100448138	+	2.142E-16	3.233E-15	0.3665	hyper	sig	chr6_100448138
chr7	5478726	5478726	+	2.144E-16	3.2357E-15	0.322255	hyper	sig	chr7_5478726
chr11	44309408	44309408	+	2.145E-16	3.2368E-15	0.210694	hyper	sig	chr11_44309408
chr11	18136351	18136351	+	2.146E-16	3.2385E-15	-0.27233	hypo	sig	chr11_18136351
chr7	1311264	1311264	+	2.147E-16	3.2391E-15	-0.27486	hypo	sig	chr7_1311264
chr1	1.57E+08	156646850	+	2.148E-16	3.241E-15	0.386738	hyper	sig	chr1_156646850
chr10	15719213	15719213	+	2.149E-16	3.2419E-15	0.225459	hyper	sig	chr10_15719213
chr16	70451119	70451119	+	2.15E-16	3.244E-15	0.261339	hyper	sig	chr16_70451119
chr5	73301159	73301159	+	2.152E-16	3.2464E-15	0.234558	hyper	sig	chr5_73301159
chr12	1.03E+08	103302383	+	2.152E-16	3.2469E-15	0.279457	hyper	sig	chr12_103302383
chr13	40922803	40922803	+	2.152E-16	3.2469E-15	-0.33079	hypo	sig	chr13_40922803
chr5	1.16E+08	115961938	+	2.159E-16	3.2578E-15	0.321631	hyper	sig	chr5_115961938
chr16	88234705	88234705	+	2.16E-16	3.2585E-15	-0.31406	hypo	sig	chr16_88234705
chr9	95041790	95041790	+	2.161E-16	3.2607E-15	-0.3242	hypo	sig	chr9_95041790
chr14	1.01E+08	101023417	+	2.162E-16	3.2613E-15	-0.20333	hypo	sig	chr14_101023417
chr18	11752131	11752131	+	2.164E-16	3.2642E-15	0.3079	hyper	sig	chr18_11752131
chr17	40376071	40376071	+	2.165E-16	3.2663E-15	-0.25065	hypo	sig	chr17_40376071
chr6	10385129	10385129	+	2.166E-16	3.2679E-15	0.358271	hyper	sig	chr6_10385129
chr3	1.4E+08	139539065	+	2.167E-16	3.2681E-15	0.30092	hyper	sig	chr3_139539065
chr7	1.51E+08	151013298	+	2.167E-16	3.2695E-15	0.297815	hyper	sig	chr7_151013298
chr1	3068014	3068014	+	2.168E-16	3.27E-15	0.224644	hyper	sig	chr1_3068014
chr4	41881182	41881182	+	2.168E-16	3.2703E-15	0.300313	hyper	sig	chr4_41881182
chr12	6555782	6555782	+	2.168E-16	3.2706E-15	0.3014	hyper	sig	chr12_6555782
chr10	95231083	95231083	+	2.169E-16	3.2714E-15	0.277519	hyper	sig	chr10_95231083
chr12	1.15E+08	114686941	+	2.172E-16	3.2762E-15	0.279763	hyper	sig	chr12_114686941
chr8	23706418	23706418	+	2.172E-16	3.2763E-15	0.229077	hyper	sig	chr8_23706418
chr5	33892600	33892600	+	2.174E-16	3.2791E-15	0.252939	hyper	sig	chr5_33892600
chr7	22727952	22727952	+	2.174E-16	3.2791E-15	-0.28569	hypo	sig	chr7_22727952
chr19	57095792	57095792	+	2.175E-16	3.2797E-15	-0.37525	hypo	sig	chr19_57095792
chr19	45952966	45952966	+	2.175E-16	3.2805E-15	0.354535	hyper	sig	chr19_45952966
chr1	1.19E+08	118983845	+	2.176E-16	3.2815E-15	0.326055	hyper	sig	chr1_118983845
chr12	1.14E+08	114405621	+	2.178E-16	3.284E-15	0.297246	hyper	sig	chr12_114405621
chr16	88316338	88316338	+	2.178E-16	3.2843E-15	-0.27426	hypo	sig	chr16_88316338
chr17	81941442	81941442	+	2.18E-16	3.2873E-15	-0.29167	hypo	sig	chr17_81941442
chr14	24311453	24311453	+	2.181E-16	3.289E-15	0.242064	hyper	sig	chr14_24311453
chr17	79183696	79183696	+	2.182E-16	3.2896E-15	0.254001	hyper	sig	chr17_79183696
chr12	1.22E+08	121813182	+	2.183E-16	3.2924E-15	0.282078	hyper	sig	chr12_121813182
chr16	86516099	86516099	+	2.184E-16	3.2934E-15	0.273588	hyper	sig	chr16_86516099
chr17	38466769	38466769	+	2.186E-16	3.2957E-15	0.279604	hyper	sig	chr17_38466769
chr20	46117755	46117755	+	2.186E-16	3.2964E-15	0.218644	hyper	sig	chr20_46117755
chr3	1.71E+08	170584922	+	2.187E-16	3.2966E-15	0.3046	hyper	sig	chr3_170584922
chr13	52848160	52848160	+	2.187E-16	3.2972E-15	0.281176	hyper	sig	chr13_52848160
chr3	1.92E+08	192408923	+	2.188E-16	3.2987E-15	0.239941	hyper	sig	chr3_192408923
chr5	1.14E+08	114363649	+	2.189E-16	3.2996E-15	0.22876	hyper	sig	chr5_114363649
chr10	26217813	26217813	+	2.189E-16	3.3E-15	0.270896	hyper	sig	chr10_26217813
chr20	52973355	52973355	+	2.189E-16	3.3004E-15	0.206186	hyper	sig	chr20_52973355
chr5	77851227	77851227	+	2.192E-16	3.3039E-15	0.300104	hyper	sig	chr5_77851227
chr17	77320685	77320685	+	2.194E-16	3.3066E-15	0.29613	hyper	sig	chr17_77320685
chr18	34494460	34494460	+	2.194E-16	3.3075E-15	0.263433	hyper	sig	chr18_34494460

chr7	1.01E+08	100874638	+	2.197E-16	3.3119E-15	0.267156	hyper	sig	chr7_100874638
chr12	54126546	54126546	+	2.198E-16	3.3129E-15	0.273684	hyper	sig	chr12_54126546
chr1	1.81E+08	181318731	+	2.198E-16	3.3136E-15	0.329838	hyper	sig	chr1_181318731
chr3	28575308	28575308	+	2.198E-16	3.3136E-15	0.351186	hyper	sig	chr3_28575308
chr1	1.15E+08	115338418	+	2.199E-16	3.314E-15	0.273268	hyper	sig	chr1_115338418
chr7	5279929	5279929	+	2.199E-16	3.314E-15	-0.33834	hypo	sig	chr7_5279929
chr3	1.84E+08	184338740	+	2.2E-16	3.3159E-15	0.325552	hyper	sig	chr3_184338740
chr12	1.09E+08	109294020	+	2.201E-16	3.3166E-15	-0.32625	hypo	sig	chr12_109294020
chr10	1.3E+08	129954616	+	2.203E-16	3.3201E-15	-0.22958	hypo	sig	chr10_129954616
chr2	2.22E+08	222312289	+	2.204E-16	3.3211E-15	0.225373	hyper	sig	chr2_222312289
chr10	8037302	8037302	+	2.204E-16	3.3216E-15	0.215846	hyper	sig	chr10_8037302
chr6	1.5E+08	149964570	+	2.204E-16	3.3216E-15	0.208944	hyper	sig	chr6_149964570
chr1	1.19E+08	118990302	+	2.206E-16	3.3246E-15	0.286044	hyper	sig	chr1_118990302
chr13	49218696	49218696	+	2.209E-16	3.3279E-15	0.275107	hyper	sig	chr13_49218696
chr15	40088795	40088795	+	2.209E-16	3.3281E-15	0.23905	hyper	sig	chr15_40088795
chr14	1.01E+08	100732390	+	2.21E-16	3.3297E-15	-0.23227	hypo	sig	chr14_100732390
chr10	1.33E+08	133241215	+	2.211E-16	3.331E-15	-0.23867	hypo	sig	chr10_133241215
chr11	1056791	1056791	+	2.212E-16	3.3333E-15	0.234739	hyper	sig	chr11_1056791
chr5	1.41E+08	140871363	+	2.214E-16	3.3354E-15	0.260224	hyper	sig	chr5_140871363
chr18	78936983	78936983	+	2.214E-16	3.3363E-15	-0.30718	hypo	sig	chr18_78936983
chr1	2.1E+08	210333065	+	2.215E-16	3.3373E-15	-0.28001	hypo	sig	chr1_210333065
chr7	2309994	2309994	+	2.218E-16	3.3408E-15	0.25576	hyper	sig	chr7_2309994
chr16	86337818	86337818	+	2.219E-16	3.3427E-15	-0.22804	hypo	sig	chr16_86337818
chr8	26381617	26381617	+	2.22E-16	3.3439E-15	-0.25013	hypo	sig	chr8_26381617
chr19	43624303	43624303	+	2.22E-16	3.3446E-15	-0.3716	hypo	sig	chr19_43624303
chr11	68372217	68372217	+	2.222E-16	3.3472E-15	0.248181	hyper	sig	chr11_68372217
chr16	51156191	51156191	+	2.224E-16	3.3503E-15	0.256667	hyper	sig	chr16_51156191
chr4	7965642	7965642	+	2.225E-16	3.3508E-15	-0.24094	hypo	sig	chr4_7965642
chr14	37611044	37611044	+	2.226E-16	3.3535E-15	0.254969	hyper	sig	chr14_37611044
chr9	1.37E+08	136821029	+	2.226E-16	3.3535E-15	0.280803	hyper	sig	chr9_136821029
chr10	26211734	26211734	+	2.23E-16	3.3583E-15	0.348776	hyper	sig	chr10_26211734
chr9	92807276	92807276	+	2.23E-16	3.3584E-15	0.318126	hyper	sig	chr9_92807276
chr17	75897553	75897553	+	2.232E-16	3.3616E-15	0.308763	hyper	sig	chr17_75897553
chr7	32318690	32318690	+	2.233E-16	3.3632E-15	0.32917	hyper	sig	chr7_32318690
chr20	46201083	46201083	+	2.234E-16	3.3639E-15	0.25928	hyper	sig	chr20_46201083
chr19	2278774	2278774	+	2.234E-16	3.3642E-15	-0.26276	hypo	sig	chr19_2278774
chr20	37518925	37518925	+	2.234E-16	3.3643E-15	0.219612	hyper	sig	chr20_37518925
chr7	1.58E+08	158264210	+	2.234E-16	3.3649E-15	-0.26196	hypo	sig	chr7_158264210
chr16	56194180	56194180	+	2.235E-16	3.3657E-15	0.344139	hyper	sig	chr16_56194180
chr8	1.2E+08	119673370	+	2.236E-16	3.3667E-15	0.276469	hyper	sig	chr8_119673370
chr1	38044433	38044433	+	2.237E-16	3.3679E-15	0.207304	hyper	sig	chr1_38044433
chr2	44944700	44944700	+	2.237E-16	3.3683E-15	0.30374	hyper	sig	chr2_44944700
chr11	22342952	22342952	+	2.237E-16	3.3683E-15	0.213258	hyper	sig	chr11_22342952
chr12	53951428	53951428	+	2.237E-16	3.3689E-15	0.230322	hyper	sig	chr12_53951428
chr19	55310182	55310182	+	2.241E-16	3.3749E-15	-0.21607	hypo	sig	chr19_55310182
chr3	49662216	49662216	+	2.242E-16	3.3751E-15	-0.33383	hypo	sig	chr3_49662216
chr16	86513397	86513397	+	2.242E-16	3.3755E-15	0.388734	hyper	sig	chr16_86513397
chr17	82883233	82883233	+	2.242E-16	3.3761E-15	-0.26869	hypo	sig	chr17_82883233
chr1	1.44E+08	143661214	+	2.244E-16	3.3792E-15	0.320121	hyper	sig	chr1_143661214
chr15	70487026	70487026	+	2.248E-16	3.3848E-15	-0.27261	hypo	sig	chr15_70487026
chr11	65866612	65866612	+	2.249E-16	3.3859E-15	0.230514	hyper	sig	chr11_65866612
chr17	2071951	2071951	+	2.25E-16	3.3871E-15	0.266566	hyper	sig	chr17_2071951
chr2	2.41E+08	240921588	+	2.251E-16	3.3892E-15	-0.2487	hypo	sig	chr2_240921588
chr20	63273830	63273830	+	2.251E-16	3.3893E-15	-0.25455	hypo	sig	chr20_63273830
chr17	56597776	56597776	+	2.252E-16	3.3896E-15	0.240112	hyper	sig	chr17_56597776
chr10	81876459	81876459	+	2.252E-16	3.3908E-15	0.227231	hyper	sig	chr10_81876459

chr19	35359579	35359579	+	2.253E-16	3.3915E-15	-0.23973	hypo	sig	chr19_35359579
chr11	65641006	65641006	+	2.253E-16	3.3916E-15	-0.22494	hypo	sig	chr11_65641006
chr14	97219535	97219535	+	2.253E-16	3.3922E-15	0.212904	hyper	sig	chr14_97219535
chr9	1.36E+08	136361997	+	2.259E-16	3.3999E-15	0.282229	hyper	sig	chr9_136361997
chr6	31112569	31112569	+	2.259E-16	3.4006E-15	-0.22518	hypo	sig	chr6_31112569
chr14	99792700	99792700	+	2.259E-16	3.4007E-15	0.235568	hyper	sig	chr14_99792700
chr16	2082491	2082491	+	2.26E-16	3.4013E-15	0.298553	hyper	sig	chr16_2082491
chr6	32185802	32185802	+	2.26E-16	3.4018E-15	0.268237	hyper	sig	chr6_32185802
chr19	51328039	51328039	+	2.263E-16	3.4061E-15	0.289835	hyper	sig	chr19_51328039
chr7	1.59E+08	158508486	+	2.264E-16	3.4076E-15	-0.29324	hypo	sig	chr7_158508486
chr11	49434326	49434326	+	2.264E-16	3.408E-15	-0.24934	hypo	sig	chr11_49434326
chr4	7433630	7433630	+	2.266E-16	3.4112E-15	-0.23257	hypo	sig	chr4_7433630
chr7	54701183	54701183	+	2.268E-16	3.4141E-15	-0.31112	hypo	sig	chr7_54701183
chr12	6270128	6270128	+	2.269E-16	3.4152E-15	-0.25605	hypo	sig	chr12_6270128
chr19	18007451	18007451	+	2.27E-16	3.4165E-15	0.214496	hyper	sig	chr19_18007451
chr8	1.4E+08	139704482	+	2.271E-16	3.4184E-15	0.308446	hyper	sig	chr8_139704482
chr17	4901131	4901131	+	2.273E-16	3.4205E-15	0.314811	hyper	sig	chr17_4901131
chr19	45217625	45217625	+	2.273E-16	3.4207E-15	0.245492	hyper	sig	chr19_45217625
chr10	1.3E+08	129966668	+	2.273E-16	3.4208E-15	0.23692	hyper	sig	chr10_129966668
chr2	6494338	6494338	+	2.273E-16	3.4208E-15	-0.35752	hypo	sig	chr2_6494338
chr10	84237486	84237486	+	2.274E-16	3.4218E-15	0.263635	hyper	sig	chr10_84237486
chr7	44101794	44101794	+	2.274E-16	3.4221E-15	-0.35435	hypo	sig	chr7_44101794
chr16	15434209	15434209	+	2.276E-16	3.4246E-15	0.32301	hyper	sig	chr16_15434209
chr7	1.43E+08	142941268	+	2.276E-16	3.4248E-15	-0.2498	hypo	sig	chr7_142941268
chr19	2278841	2278841	+	2.277E-16	3.4268E-15	-0.25913	hypo	sig	chr19_2278841
chr1	1.87E+08	187072593	+	2.278E-16	3.4279E-15	-0.35048	hypo	sig	chr1_187072593
chr12	1.31E+08	131085947	+	2.279E-16	3.4292E-15	-0.28042	hypo	sig	chr12_131085947
chr16	75000737	75000737	+	2.281E-16	3.4323E-15	0.215933	hyper	sig	chr16_75000737
chr6	26017418	26017418	+	2.284E-16	3.4362E-15	0.249281	hyper	sig	chr6_26017418
chr5	1.41E+08	140926723	+	2.284E-16	3.4368E-15	0.225959	hyper	sig	chr5_140926723
chr4	85246294	85246294	+	2.289E-16	3.4438E-15	-0.25672	hypo	sig	chr4_85246294
chr9	975799	975799	+	2.289E-16	3.4443E-15	0.25026	hyper	sig	chr9_975799
chr16	31224440	31224440	+	2.29E-16	3.4457E-15	0.353922	hyper	sig	chr16_31224440
chr16	86507833	86507833	+	2.293E-16	3.449E-15	0.316889	hyper	sig	chr16_86507833
chr7	2787660	2787660	+	2.293E-16	3.4494E-15	0.262754	hyper	sig	chr7_2787660
chr11	2140173	2140173	+	2.295E-16	3.4519E-15	0.247711	hyper	sig	chr11_2140173
chr2	2.2E+08	219567511	+	2.297E-16	3.4552E-15	-0.25399	hypo	sig	chr2_219567511
chr9	1.36E+08	135982142	+	2.297E-16	3.4556E-15	-0.28508	hypo	sig	chr9_135982142
chr4	1.25E+08	125317229	+	2.298E-16	3.4558E-15	0.253143	hyper	sig	chr4_125317229
chr2	1.8E+08	179861962	+	2.299E-16	3.4573E-15	0.263725	hyper	sig	chr2_179861962
chr17	15917787	15917787	+	2.299E-16	3.4585E-15	0.39489	hyper	sig	chr17_15917787
chr7	1.59E+08	159036102	+	2.3E-16	3.46E-15	-0.27318	hypo	sig	chr7_159036102
chr2	38074613	38074613	+	2.3E-16	3.46E-15	0.280627	hyper	sig	chr2_38074613
chr7	22028854	22028854	+	2.301E-16	3.4615E-15	-0.20938	hypo	sig	chr7_22028854
chr16	563319	563319	+	2.302E-16	3.4621E-15	-0.34965	hypo	sig	chr16_563319
chr1	1.57E+08	156646987	+	2.303E-16	3.463E-15	0.312606	hyper	sig	chr1_156646987
chr4	1.57E+08	157222671	+	2.305E-16	3.4666E-15	0.252638	hyper	sig	chr4_157222671
chr4	81214861	81214861	+	2.306E-16	3.4675E-15	0.219647	hyper	sig	chr4_81214861
chr17	79136949	79136949	+	2.308E-16	3.4702E-15	-0.29902	hypo	sig	chr17_79136949
chr21	45017611	45017611	+	2.308E-16	3.4702E-15	-0.26098	hypo	sig	chr21_45017611
chr7	27204918	27204918	+	2.309E-16	3.4716E-15	-0.2263	hypo	sig	chr7_27204918
chr7	64495329	64495329	+	2.31E-16	3.4735E-15	0.309118	hyper	sig	chr7_64495329
chr7	1.58E+08	158239815	+	2.31E-16	3.474E-15	-0.23294	hypo	sig	chr7_158239815
chr8	78762352	78762352	+	2.313E-16	3.4782E-15	0.252494	hyper	sig	chr8_78762352
chr16	50673566	50673566	+	2.313E-16	3.4783E-15	0.237066	hyper	sig	chr16_50673566
chr12	1.32E+08	132200987	+	2.314E-16	3.4789E-15	-0.32842	hypo	sig	chr12_132200987

chr7	2110311	2110311	+	2.315E-16	3.4808E-15	-0.34371	hypo	sig	chr7_2110311
chr7	1.51E+08	151392675	+	2.315E-16	3.4808E-15	-0.2581	hypo	sig	chr7_151392675
chr2	29919966	29919966	+	2.316E-16	3.4821E-15	0.244002	hyper	sig	chr2_29919966
chr7	2440900	2440900	+	2.317E-16	3.4829E-15	-0.28794	hypo	sig	chr7_2440900
chr7	1538617	1538617	+	2.318E-16	3.4849E-15	0.271213	hyper	sig	chr7_1538617
chr7	1.28E+08	128032051	+	2.318E-16	3.4854E-15	0.379025	hyper	sig	chr7_128032051
chr1	1.57E+08	156897290	+	2.323E-16	3.4915E-15	-0.29164	hypo	sig	chr1_156897290
chr6	32394901	32394901	+	2.323E-16	3.4925E-15	-0.22195	hypo	sig	chr6_32394901
chr1	1.77E+08	177171473	+	2.324E-16	3.4936E-15	0.298132	hyper	sig	chr1_177171473
chr11	1.25E+08	125102223	+	2.324E-16	3.4938E-15	0.205659	hyper	sig	chr11_125102223
chr4	1.11E+08	110631197	+	2.325E-16	3.4955E-15	0.207357	hyper	sig	chr4_110631197
chr5	73299858	73299858	+	2.326E-16	3.4958E-15	0.210893	hyper	sig	chr5_73299858
chr12	1.15E+08	114697081	+	2.327E-16	3.4979E-15	0.261367	hyper	sig	chr12_114697081
chr7	1.57E+08	157020950	+	2.328E-16	3.4985E-15	0.257549	hyper	sig	chr7_157020950
chr14	1.01E+08	101364770	+	2.33E-16	3.5022E-15	0.294717	hyper	sig	chr14_101364770
chr6	31499161	31499161	+	2.332E-16	3.5056E-15	0.310491	hyper	sig	chr6_31499161
chr12	6824241	6824241	+	2.334E-16	3.5083E-15	-0.25353	hypo	sig	chr12_6824241
chr20	21520740	21520740	+	2.335E-16	3.5098E-15	0.359985	hyper	sig	chr20_21520740
chr12	1.14E+08	113669937	+	2.338E-16	3.5134E-15	0.245171	hyper	sig	chr12_113669937
chr8	52099989	52099989	+	2.34E-16	3.516E-15	0.234503	hyper	sig	chr8_52099989
chr5	1.75E+08	174688488	+	2.341E-16	3.5176E-15	0.25049	hyper	sig	chr5_174688488
chr8	1.2E+08	119672998	+	2.342E-16	3.5197E-15	0.243556	hyper	sig	chr8_119672998
chr16	1436541	1436541	+	2.342E-16	3.5199E-15	-0.28971	hypo	sig	chr16_1436541
chr11	31825603	31825603	+	2.344E-16	3.5224E-15	0.345779	hyper	sig	chr11_31825603
chr2	1.05E+08	105241875	+	2.344E-16	3.523E-15	-0.2019	hypo	sig	chr2_105241875
chr2	1.28E+08	128373963	+	2.346E-16	3.5249E-15	-0.32427	hypo	sig	chr2_128373963
chr9	1.34E+08	133739851	+	2.346E-16	3.5252E-15	-0.25062	hypo	sig	chr9_133739851
chr7	65240271	65240271	+	2.347E-16	3.5262E-15	0.205702	hyper	sig	chr7_65240271
chr5	1193967	1193967	+	2.351E-16	3.5319E-15	-0.31681	hypo	sig	chr5_1193967
chr16	181895	181895	+	2.351E-16	3.5325E-15	-0.22047	hypo	sig	chr16_181895
chr2	44166301	44166301	+	2.351E-16	3.5328E-15	0.231827	hyper	sig	chr2_44166301
chr19	52492913	52492913	+	2.351E-16	3.533E-15	0.305102	hyper	sig	chr19_52492913
chr2	54675972	54675972	+	2.352E-16	3.5341E-15	-0.31567	hypo	sig	chr2_54675972
chr11	92969341	92969341	+	2.355E-16	3.5376E-15	0.279375	hyper	sig	chr11_92969341
chr2	86809850	86809850	+	2.355E-16	3.5379E-15	0.254921	hyper	sig	chr2_86809850
chr10	80357501	80357501	+	2.356E-16	3.5394E-15	0.319286	hyper	sig	chr10_80357501
chr1	1.44E+08	143651996	+	2.358E-16	3.542E-15	0.26429	hyper	sig	chr1_143651996
chr5	1.41E+08	141419976	+	2.358E-16	3.5424E-15	0.302713	hyper	sig	chr5_141419976
chr1	3650828	3650828	+	2.358E-16	3.5427E-15	0.26549	hyper	sig	chr1_3650828
chr16	86516315	86516315	+	2.36E-16	3.545E-15	0.2302	hyper	sig	chr16_86516315
chr17	299714	299714	+	2.36E-16	3.545E-15	0.235069	hyper	sig	chr17_299714
chr5	1.77E+08	176869710	+	2.36E-16	3.5454E-15	-0.23406	hypo	sig	chr5_176869710
chr11	1299284	1299284	+	2.361E-16	3.5463E-15	-0.22223	hypo	sig	chr11_1299284
chr11	1074682	1074682	+	2.362E-16	3.548E-15	-0.22124	hypo	sig	chr11_1074682
chr16	782874	782874	+	2.362E-16	3.5483E-15	-0.2503	hypo	sig	chr16_782874
chr20	43188380	43188380	+	2.363E-16	3.5487E-15	0.276262	hyper	sig	chr20_43188380
chr18	14999804	14999804	+	2.364E-16	3.5508E-15	0.300435	hyper	sig	chr18_14999804
chr8	1.41E+08	141141080	+	2.364E-16	3.5508E-15	0.275735	hyper	sig	chr8_141141080
chr9	1.28E+08	127509710	+	2.367E-16	3.5549E-15	0.2909	hyper	sig	chr9_127509710
chr8	80170643	80170643	+	2.368E-16	3.5557E-15	-0.25917	hypo	sig	chr8_80170643
chr5	31639791	31639791	+	2.369E-16	3.5575E-15	0.328901	hyper	sig	chr5_31639791
chr8	41653486	41653486	+	2.37E-16	3.5588E-15	0.232604	hyper	sig	chr8_41653486
chr16	1146721	1146721	+	2.37E-16	3.5593E-15	-0.33612	hypo	sig	chr16_1146721
chr12	1.3E+08	130447583	+	2.37E-16	3.5596E-15	-0.31005	hypo	sig	chr12_130447583
chr5	77643572	77643572	+	2.372E-16	3.5619E-15	0.215954	hyper	sig	chr5_77643572
chr1	98048685	98048685	+	2.373E-16	3.5636E-15	0.27332	hyper	sig	chr1_98048685

chr16	2184993	2184993	+	2.373E-16	3.5636E-15	-0.29496	hypo	sig	chr16_2184993
chr2	94871961	94871961	+	2.373E-16	3.5636E-15	-0.29351	hypo	sig	chr2_94871961
chr5	16735365	16735365	+	2.374E-16	3.565E-15	-0.28911	hypo	sig	chr5_16735365
chr6	1.5E+08	150037762	+	2.374E-16	3.565E-15	0.243871	hyper	sig	chr6_150037762
chr15	76343297	76343297	+	2.374E-16	3.5654E-15	-0.23393	hypo	sig	chr15_76343297
chr13	50132767	50132767	+	2.374E-16	3.5654E-15	0.253248	hyper	sig	chr13_50132767
chr2	1.15E+08	115162583	+	2.376E-16	3.5671E-15	0.334646	hyper	sig	chr2_115162583
chr16	1526004	1526004	+	2.38E-16	3.5741E-15	-0.24176	hypo	sig	chr16_1526004
chr10	12825793	12825793	+	2.381E-16	3.5748E-15	0.30071	hyper	sig	chr10_12825793
chr5	1.59E+08	159100694	+	2.381E-16	3.5755E-15	0.213454	hyper	sig	chr5_159100694
chr18	14143659	14143659	+	2.382E-16	3.5769E-15	-0.31745	hypo	sig	chr18_14143659
chr12	53938202	53938202	+	2.383E-16	3.5772E-15	0.278259	hyper	sig	chr12_53938202
chr13	1.1E+08	110129211	+	2.383E-16	3.5782E-15	-0.26614	hypo	sig	chr13_110129211
chr20	59043410	59043410	+	2.387E-16	3.5837E-15	-0.30024	hypo	sig	chr20_59043410
chr20	43188427	43188427	+	2.388E-16	3.5855E-15	0.219723	hyper	sig	chr20_43188427
chr6	32056704	32056704	+	2.389E-16	3.5866E-15	-0.23892	hypo	sig	chr6_32056704
chr10	1.05E+08	104640138	+	2.39E-16	3.5869E-15	0.34528	hyper	sig	chr10_104640138
chr4	2036580	2036580	+	2.39E-16	3.5877E-15	-0.2685	hypo	sig	chr4_2036580
chr10	1.01E+08	101291447	+	2.392E-16	3.5905E-15	0.271632	hyper	sig	chr10_101291447
chr8	1.09E+08	108787096	+	2.394E-16	3.5941E-15	0.220408	hyper	sig	chr8_108787096
chr5	2753261	2753261	+	2.395E-16	3.5951E-15	0.214793	hyper	sig	chr5_2753261
chr12	1.19E+08	119412912	+	2.396E-16	3.5963E-15	-0.22109	hypo	sig	chr12_119412912
chr6	28447309	28447309	+	2.396E-16	3.5968E-15	0.293018	hyper	sig	chr6_28447309
chr18	26133929	26133929	+	2.399E-16	3.6012E-15	0.248125	hyper	sig	chr18_26133929
chr7	1.01E+08	101020120	+	2.403E-16	3.6061E-15	-0.26169	hypo	sig	chr7_101020120
chr22	42338670	42338670	+	2.404E-16	3.608E-15	-0.23946	hypo	sig	chr22_42338670
chr7	1538644	1538644	+	2.404E-16	3.608E-15	0.33922	hyper	sig	chr7_1538644
chr13	99959202	99959202	+	2.404E-16	3.6083E-15	0.260448	hyper	sig	chr13_99959202
chr5	1.78E+08	178449832	+	2.405E-16	3.6093E-15	-0.20008	hypo	sig	chr5_178449832
chr17	79439144	79439144	+	2.405E-16	3.6098E-15	0.247029	hyper	sig	chr17_79439144
chr21	44428020	44428020	+	2.407E-16	3.6123E-15	-0.23943	hypo	sig	chr21_44428020
chr1	1.47E+08	147072629	+	2.407E-16	3.6125E-15	0.235649	hyper	sig	chr1_147072629
chr6	20032379	20032379	+	2.408E-16	3.613E-15	0.327893	hyper	sig	chr6_20032379
chr12	52367632	52367632	+	2.41E-16	3.6159E-15	-0.23018	hypo	sig	chr12_52367632
chr7	1.58E+08	158317416	+	2.412E-16	3.6187E-15	0.260757	hyper	sig	chr7_158317416
chr16	67884855	67884855	+	2.415E-16	3.6233E-15	0.318222	hyper	sig	chr16_67884855
chr10	75405229	75405229	+	2.416E-16	3.6243E-15	-0.26845	hypo	sig	chr10_75405229
chr10	1.32E+08	132330031	+	2.417E-16	3.6261E-15	-0.25031	hypo	sig	chr10_132330031
chr19	37692016	37692016	+	2.419E-16	3.6287E-15	0.221768	hyper	sig	chr19_37692016
chr2	96527549	96527549	+	2.419E-16	3.6289E-15	0.290712	hyper	sig	chr2_96527549
chr20	46058443	46058443	+	2.419E-16	3.6293E-15	0.270085	hyper	sig	chr20_46058443
chr4	5893371	5893371	+	2.419E-16	3.6294E-15	0.252284	hyper	sig	chr4_5893371
chr1	3293006	3293006	+	2.421E-16	3.6314E-15	-0.32328	hypo	sig	chr1_3293006
chr5	42924280	42924280	+	2.421E-16	3.6322E-15	0.278851	hyper	sig	chr5_42924280
chr21	46661753	46661753	+	2.422E-16	3.6332E-15	0.294448	hyper	sig	chr21_46661753
chr15	28832450	28832450	+	2.424E-16	3.6357E-15	0.267365	hyper	sig	chr15_28832450
chr19	50728488	50728488	+	2.424E-16	3.6363E-15	0.299712	hyper	sig	chr19_50728488
chr3	16536280	16536280	+	2.424E-16	3.6363E-15	-0.21133	hypo	sig	chr3_16536280
chr5	1.41E+08	141427862	+	2.424E-16	3.6364E-15	0.211418	hyper	sig	chr5_141427862
chr6	7427041	7427041	+	2.425E-16	3.6374E-15	0.299809	hyper	sig	chr6_7427041
chr2	1.76E+08	176086008	+	2.425E-16	3.6377E-15	0.207554	hyper	sig	chr2_176086008
chr8	64575798	64575798	+	2.426E-16	3.6391E-15	0.245376	hyper	sig	chr8_64575798
chr8	64576163	64576163	+	2.427E-16	3.6403E-15	0.301183	hyper	sig	chr8_64576163
chr3	14810213	14810213	+	2.429E-16	3.6432E-15	0.303009	hyper	sig	chr3_14810213
chr13	21818607	21818607	+	2.431E-16	3.6456E-15	-0.25869	hypo	sig	chr13_21818607
chr12	24903085	24903085	+	2.431E-16	3.6459E-15	0.212889	hyper	sig	chr12_24903085

chr2	2.02E+08	202171370	+	2.431E-16	3.6459E-15	0.289452	hyper	sig	chr2_202171370
chr15	98525095	98525095	+	2.433E-16	3.6481E-15	-0.31794	hypo	sig	chr15_98525095
chr5	1.81E+08	180606511	+	2.434E-16	3.6495E-15	-0.25601	hypo	sig	chr5_180606511
chr14	28778392	28778392	+	2.434E-16	3.6499E-15	0.248339	hyper	sig	chr14_28778392
chr19	53058260	53058260	+	2.437E-16	3.654E-15	0.336862	hyper	sig	chr19_53058260
chr7	10973246	10973246	+	2.437E-16	3.6547E-15	-0.25884	hypo	sig	chr7_10973246
chr16	1218600	1218600	+	2.442E-16	3.6616E-15	-0.27293	hypo	sig	chr16_1218600
chr6	7427096	7427096	+	2.443E-16	3.6624E-15	0.28565	hyper	sig	chr6_7427096
chr22	37825443	37825443	+	2.445E-16	3.6657E-15	0.288922	hyper	sig	chr22_37825443
chr5	1.29E+08	128537833	+	2.446E-16	3.6667E-15	0.301051	hyper	sig	chr5_128537833
chr1	1.19E+08	118979515	+	2.446E-16	3.6681E-15	0.282821	hyper	sig	chr1_118979515
chr2	2.41E+08	241148468	+	2.447E-16	3.6684E-15	-0.25067	hypo	sig	chr2_241148468
chr16	87457991	87457991	+	2.447E-16	3.6691E-15	-0.2303	hypo	sig	chr16_87457991
chr15	61229913	61229913	+	2.447E-16	3.6692E-15	0.268978	hyper	sig	chr15_61229913
chr10	372794	372794	+	2.447E-16	3.6693E-15	0.201378	hyper	sig	chr10_372794
chr10	1.31E+08	131310750	+	2.449E-16	3.6718E-15	0.271722	hyper	sig	chr10_131310750
chr11	70826646	70826646	+	2.449E-16	3.672E-15	0.289342	hyper	sig	chr11_70826646
chr1	2478404	2478404	+	2.45E-16	3.6728E-15	-0.24882	hypo	sig	chr1_2478404
chr18	8800266	8800266	+	2.45E-16	3.6735E-15	0.255907	hyper	sig	chr18_8800266
chr1	91387516	91387516	+	2.451E-16	3.6735E-15	-0.26619	hypo	sig	chr1_91387516
chr11	30585065	30585065	+	2.451E-16	3.6735E-15	0.244909	hyper	sig	chr11_30585065
chr8	1.28E+08	127740728	+	2.451E-16	3.6743E-15	-0.20504	hypo	sig	chr8_127740728
chr17	42784537	42784537	+	2.452E-16	3.6753E-15	0.221896	hyper	sig	chr17_42784537
chr8	1.43E+08	143285199	+	2.453E-16	3.6773E-15	-0.27774	hypo	sig	chr8_143285199
chr7	945280	945280	+	2.453E-16	3.6776E-15	-0.35603	hypo	sig	chr7_945280
chr3	38028914	38028914	+	2.454E-16	3.6778E-15	0.281453	hyper	sig	chr3_38028914
chr10	93062990	93062990	+	2.455E-16	3.6797E-15	0.272517	hyper	sig	chr10_93062990
chr7	1.58E+08	157844136	+	2.456E-16	3.6804E-15	-0.28219	hypo	sig	chr7_157844136
chr1	37761769	37761769	+	2.456E-16	3.6807E-15	0.326489	hyper	sig	chr1_37761769
chr19	54164622	54164622	+	2.457E-16	3.6818E-15	0.226406	hyper	sig	chr19_54164622
chr12	53945044	53945044	+	2.457E-16	3.6828E-15	0.236564	hyper	sig	chr12_53945044
chr1	1.22E+08	121519713	+	2.459E-16	3.6855E-15	0.221089	hyper	sig	chr1_121519713
chr11	2300707	2300707	+	2.46E-16	3.6869E-15	-0.22264	hypo	sig	chr11_2300707
chr16	73063044	73063044	+	2.46E-16	3.6869E-15	-0.23562	hypo	sig	chr16_73063044
chr5	1886829	1886829	+	2.461E-16	3.6879E-15	0.283488	hyper	sig	chr5_1886829
chr1	2855713	2855713	+	2.463E-16	3.6903E-15	0.244728	hyper	sig	chr1_2855713
chr12	55712207	55712207	+	2.464E-16	3.6923E-15	0.294451	hyper	sig	chr12_55712207
chr17	58157436	58157436	+	2.464E-16	3.6929E-15	0.233059	hyper	sig	chr17_58157436
chr10	1.18E+08	117735070	+	2.465E-16	3.694E-15	0.233782	hyper	sig	chr10_117735070
chr16	86579057	86579057	+	2.466E-16	3.6958E-15	0.320433	hyper	sig	chr16_86579057
chr16	88316167	88316167	+	2.468E-16	3.6974E-15	-0.21996	hypo	sig	chr16_88316167
chr2	96500697	96500697	+	2.468E-16	3.6987E-15	0.316956	hyper	sig	chr2_96500697
chr11	2156346	2156346	+	2.47E-16	3.7014E-15	-0.27213	hypo	sig	chr11_2156346
chr8	23714193	23714193	+	2.471E-16	3.702E-15	0.283137	hyper	sig	chr8_23714193
chr4	1.11E+08	110612722	+	2.471E-16	3.7025E-15	0.201772	hyper	sig	chr4_110612722
chr3	1.41E+08	141050432	+	2.476E-16	3.7092E-15	-0.2756	hypo	sig	chr3_141050432
chr22	50031646	50031646	+	2.477E-16	3.7108E-15	-0.24985	hypo	sig	chr22_50031646
chr14	28774428	28774428	+	2.477E-16	3.7109E-15	0.215088	hyper	sig	chr14_28774428
chr19	43624122	43624122	+	2.477E-16	3.7114E-15	-0.32043	hypo	sig	chr19_43624122
chr11	313624	313624	+	2.479E-16	3.7138E-15	-0.24187	hypo	sig	chr11_313624
chr6	1.7E+08	170252816	+	2.479E-16	3.7138E-15	-0.24077	hypo	sig	chr6_170252816
chr17	40191365	40191365	+	2.481E-16	3.7163E-15	0.202516	hyper	sig	chr17_40191365
chr18	45775694	45775694	+	2.481E-16	3.7166E-15	0.209869	hyper	sig	chr18_45775694
chr3	1.26E+08	126209023	+	2.481E-16	3.7167E-15	-0.26804	hypo	sig	chr3_126209023
chr2	1.15E+08	115161198	+	2.483E-16	3.7191E-15	0.202404	hyper	sig	chr2_115161198
chr18	48980106	48980106	+	2.486E-16	3.7241E-15	-0.31532	hypo	sig	chr18_48980106

chr11	32439090	32439090	+	2.488E-16	3.7266E-15	0.242737	hyper	sig	chr11_32439090
chr11	64341371	64341371	+	2.491E-16	3.7311E-15	0.337783	hyper	sig	chr11_64341371
chr1	1.51E+08	150549879	+	2.493E-16	3.7337E-15	0.254778	hyper	sig	chr1_150549879
chr11	44309411	44309411	+	2.497E-16	3.7395E-15	0.203458	hyper	sig	chr11_44309411
chr19	7873650	7873650	+	2.497E-16	3.7397E-15	0.325213	hyper	sig	chr19_7873650
chr18	13137985	13137985	+	2.501E-16	3.7459E-15	-0.21525	hypo	sig	chr18_13137985
chr8	64575563	64575563	+	2.504E-16	3.7501E-15	0.220875	hyper	sig	chr8_64575563
chr10	72277075	72277075	+	2.505E-16	3.751E-15	-0.20794	hypo	sig	chr10_72277075
chr3	42936347	42936347	+	2.505E-16	3.7516E-15	0.225035	hyper	sig	chr3_42936347
chr1	34793187	34793187	+	2.505E-16	3.7521E-15	0.297416	hyper	sig	chr1_34793187
chr11	46295916	46295916	+	2.506E-16	3.7532E-15	0.332153	hyper	sig	chr11_46295916
chr4	1.83E+08	182801883	+	2.507E-16	3.7542E-15	-0.32038	hypo	sig	chr4_182801883
chr14	85529858	85529858	+	2.507E-16	3.7549E-15	0.226195	hyper	sig	chr14_85529858
chr16	75206638	75206638	+	2.508E-16	3.755E-15	-0.30425	hypo	sig	chr16_75206638
chr20	36540958	36540958	+	2.508E-16	3.7562E-15	0.402508	hyper	sig	chr20_36540958
chr12	57869447	57869447	+	2.51E-16	3.7585E-15	0.289759	hyper	sig	chr12_57869447
chr8	4994908	4994908	+	2.51E-16	3.7588E-15	0.25468	hyper	sig	chr8_4994908
chr1	10683209	10683209	+	2.511E-16	3.7605E-15	0.309361	hyper	sig	chr1_10683209
chr19	29528796	29528796	+	2.512E-16	3.7616E-15	0.230368	hyper	sig	chr19_29528796
chr4	7191020	7191020	+	2.512E-16	3.7618E-15	-0.29455	hypo	sig	chr4_7191020
chr5	83471894	83471894	+	2.513E-16	3.7624E-15	0.288915	hyper	sig	chr5_83471894
chr16	88088036	88088036	+	2.513E-16	3.7624E-15	-0.25973	hypo	sig	chr16_88088036
chr2	2.33E+08	233013259	+	2.513E-16	3.7626E-15	-0.21922	hypo	sig	chr2_233013259
chr11	32429018	32429018	+	2.514E-16	3.7645E-15	0.237141	hyper	sig	chr11_32429018
chr11	79438816	79438816	+	2.515E-16	3.7648E-15	0.221826	hyper	sig	chr11_79438816
chr5	1.4E+08	139844226	+	2.515E-16	3.7656E-15	-0.2412	hypo	sig	chr5_139844226
chr10	1.25E+08	124632240	+	2.516E-16	3.7661E-15	0.25772	hyper	sig	chr10_124632240
chr8	49911719	49911719	+	2.516E-16	3.7668E-15	0.218309	hyper	sig	chr8_49911719
chr15	67827261	67827261	+	2.517E-16	3.768E-15	0.204793	hyper	sig	chr15_67827261
chr3	1.92E+08	192410174	+	2.517E-16	3.768E-15	0.344529	hyper	sig	chr3_192410174
chr2	66445225	66445225	+	2.518E-16	3.7691E-15	0.261543	hyper	sig	chr2_66445225
chr5	1.8E+08	180388975	+	2.518E-16	3.7691E-15	-0.26722	hypo	sig	chr5_180388975
chr10	55631279	55631279	+	2.518E-16	3.7695E-15	0.314269	hyper	sig	chr10_55631279
chr22	29581960	29581960	+	2.518E-16	3.7697E-15	-0.25849	hypo	sig	chr22_29581960
chr1	1.57E+08	156646989	+	2.519E-16	3.7699E-15	0.302986	hyper	sig	chr1_156646989
chr1	2213480	2213480	+	2.52E-16	3.772E-15	0.300948	hyper	sig	chr1_2213480
chr1	1.48E+08	148354528	+	2.525E-16	3.7794E-15	0.27446	hyper	sig	chr1_148354528
chr9	1.33E+08	132578810	+	2.525E-16	3.7796E-15	-0.24916	hypo	sig	chr9_132578810
chr12	1.03E+08	102824853	+	2.527E-16	3.7816E-15	0.263084	hyper	sig	chr12_102824853
chr5	1.13E+08	113434611	+	2.527E-16	3.7827E-15	-0.28312	hypo	sig	chr5_113434611
chr11	68807181	68807181	+	2.528E-16	3.7828E-15	0.249514	hyper	sig	chr11_68807181
chr4	57166631	57166631	+	2.528E-16	3.7836E-15	-0.21599	hypo	sig	chr4_57166631
chr12	55707555	55707555	+	2.53E-16	3.786E-15	0.246305	hyper	sig	chr12_55707555
chr5	51387538	51387538	+	2.53E-16	3.7861E-15	0.231971	hyper	sig	chr5_51387538
chr6	33976128	33976128	+	2.53E-16	3.7867E-15	0.347098	hyper	sig	chr6_33976128
chr12	5043590	5043590	+	2.53E-16	3.7867E-15	0.227021	hyper	sig	chr12_5043590
chr1	4069658	4069658	+	2.531E-16	3.787E-15	-0.27351	hypo	sig	chr1_4069658
chr11	66049017	66049017	+	2.531E-16	3.787E-15	0.306534	hyper	sig	chr11_66049017
chr2	1.82E+08	181680941	+	2.531E-16	3.787E-15	0.211615	hyper	sig	chr2_181680941
chr15	89367941	89367941	+	2.531E-16	3.7872E-15	0.225481	hyper	sig	chr15_89367941
chr17	45244000	45244000	+	2.532E-16	3.7882E-15	-0.29788	hypo	sig	chr17_45244000
chr3	1.96E+08	195849528	+	2.535E-16	3.7939E-15	-0.3173	hypo	sig	chr3_195849528
chr11	44311363	44311363	+	2.536E-16	3.7942E-15	0.226615	hyper	sig	chr11_44311363
chr8	96159418	96159418	+	2.536E-16	3.7947E-15	0.288037	hyper	sig	chr8_96159418
chr10	1.33E+08	133459837	+	2.536E-16	3.795E-15	0.338668	hyper	sig	chr10_133459837
chr14	36654550	36654550	+	2.537E-16	3.7961E-15	0.265698	hyper	sig	chr14_36654550

chr11	1930636	1930636	+	2.537E-16	3.7963E-15	-0.22835	hypo	sig	chr11_1930636
chr10	8036316	8036316	+	2.538E-16	3.7973E-15	0.321853	hyper	sig	chr10_8036316
chr16	67884962	67884962	+	2.539E-16	3.7985E-15	0.302227	hyper	sig	chr16_67884962
chr19	4207477	4207477	+	2.54E-16	3.7998E-15	-0.27792	hypo	sig	chr19_4207477
chr12	1.32E+08	132262567	+	2.541E-16	3.8009E-15	-0.24281	hypo	sig	chr12_132262567
chr5	1.81E+08	181173912	+	2.543E-16	3.8046E-15	0.208468	hyper	sig	chr5_181173912
chr11	2807418	2807418	+	2.544E-16	3.8058E-15	0.298554	hyper	sig	chr11_2807418
chr1	51331315	51331315	+	2.546E-16	3.8086E-15	-0.23469	hypo	sig	chr1_51331315
chr1	2.08E+08	207645214	+	2.55E-16	3.814E-15	0.255018	hyper	sig	chr1_207645214
chr2	1.05E+08	105144422	+	2.55E-16	3.8149E-15	0.227188	hyper	sig	chr2_105144422
chr9	36258791	36258791	+	2.55E-16	3.8152E-15	0.201022	hyper	sig	chr9_36258791
chr9	1.27E+08	126610199	+	2.553E-16	3.8195E-15	0.227044	hyper	sig	chr9_126610199
chr19	52430442	52430442	+	2.554E-16	3.8196E-15	-0.26255	hypo	sig	chr19_52430442
chr12	1.13E+08	113479713	+	2.554E-16	3.82E-15	0.254868	hyper	sig	chr12_113479713
chr2	63057579	63057579	+	2.554E-16	3.8206E-15	0.299633	hyper	sig	chr2_63057579
chr2	1.19E+08	118845546	+	2.556E-16	3.8235E-15	0.29124	hyper	sig	chr2_118845546
chr4	1.76E+08	176001930	+	2.557E-16	3.825E-15	0.202431	hyper	sig	chr4_176001930
chr7	20778354	20778354	+	2.559E-16	3.8268E-15	0.298837	hyper	sig	chr7_20778354
chr6	52839543	52839543	+	2.561E-16	3.8302E-15	-0.23404	hypo	sig	chr6_52839543
chr2	9820644	9820644	+	2.562E-16	3.8317E-15	-0.25402	hypo	sig	chr2_9820644
chr7	51803113	51803113	+	2.562E-16	3.8321E-15	-0.28322	hypo	sig	chr7_51803113
chr1	32464794	32464794	+	2.563E-16	3.8336E-15	0.230702	hyper	sig	chr1_32464794
chr7	1.5E+08	150329992	+	2.563E-16	3.8336E-15	0.227916	hyper	sig	chr7_150329992
chr19	14028043	14028043	+	2.565E-16	3.8352E-15	-0.26882	hypo	sig	chr19_14028043
chr10	75405213	75405213	+	2.567E-16	3.8384E-15	-0.24831	hypo	sig	chr10_75405213
chr10	43825929	43825929	+	2.568E-16	3.8397E-15	-0.26348	hypo	sig	chr10_43825929
chr4	2306271	2306271	+	2.57E-16	3.843E-15	-0.24647	hypo	sig	chr4_2306271
chr1	31548806	31548806	+	2.57E-16	3.8432E-15	-0.25057	hypo	sig	chr1_31548806
chr13	24932245	24932245	+	2.573E-16	3.8475E-15	0.258204	hyper	sig	chr13_24932245
chr12	29784363	29784363	+	2.575E-16	3.8498E-15	0.283096	hyper	sig	chr12_29784363
chr19	56838683	56838683	+	2.576E-16	3.8517E-15	0.233135	hyper	sig	chr19_56838683
chr19	5048826	5048826	+	2.579E-16	3.8559E-15	0.398645	hyper	sig	chr19_5048826
chr16	89202263	89202263	+	2.58E-16	3.8577E-15	0.246825	hyper	sig	chr16_89202263
chr1	1180548	1180548	+	2.581E-16	3.8589E-15	0.344613	hyper	sig	chr1_1180548
chr20	1002122	1002122	+	2.582E-16	3.8604E-15	0.244907	hyper	sig	chr20_1002122
chr5	1.39E+08	139276077	+	2.584E-16	3.8624E-15	-0.27324	hypo	sig	chr5_139276077
chr7	8442572	8442572	+	2.584E-16	3.8633E-15	0.244157	hyper	sig	chr7_8442572
chr20	608666	608666	+	2.587E-16	3.8675E-15	-0.25244	hypo	sig	chr20_608666
chr17	40191486	40191486	+	2.589E-16	3.8702E-15	0.229511	hyper	sig	chr17_40191486
chr14	94774163	94774163	+	2.59E-16	3.8707E-15	0.246194	hyper	sig	chr14_94774163
chr19	1356334	1356334	+	2.59E-16	3.8716E-15	0.20675	hyper	sig	chr19_1356334
chr1	14598633	14598633	+	2.591E-16	3.8723E-15	0.246854	hyper	sig	chr1_14598633
chr14	77026428	77026428	+	2.591E-16	3.8733E-15	0.234098	hyper	sig	chr14_77026428
chr6	50843139	50843139	+	2.592E-16	3.8747E-15	0.25712	hyper	sig	chr6_50843139
chr15	74345237	74345237	+	2.593E-16	3.875E-15	-0.23878	hypo	sig	chr15_74345237
chr9	971751	971751	+	2.593E-16	3.8753E-15	0.267975	hyper	sig	chr9_971751
chr21	33020050	33020050	+	2.593E-16	3.8754E-15	0.210812	hyper	sig	chr21_33020050
chr10	1.32E+08	131774721	+	2.595E-16	3.878E-15	0.226635	hyper	sig	chr10_131774721
chr19	52397813	52397813	+	2.596E-16	3.8793E-15	0.203808	hyper	sig	chr19_52397813
chr1	2.28E+08	227888075	+	2.596E-16	3.8802E-15	0.286674	hyper	sig	chr1_227888075
chr16	51151550	51151550	+	2.597E-16	3.8804E-15	0.225723	hyper	sig	chr16_51151550
chr19	47780501	47780501	+	2.597E-16	3.8808E-15	0.28101	hyper	sig	chr19_47780501
chr14	23377697	23377697	+	2.6E-16	3.8849E-15	-0.22938	hypo	sig	chr14_23377697
chr17	2071969	2071969	+	2.6E-16	3.8851E-15	0.283487	hyper	sig	chr17_2071969
chr22	50045014	50045014	+	2.6E-16	3.8853E-15	-0.26912	hypo	sig	chr22_50045014
chr1	1.19E+08	118985284	+	2.601E-16	3.8868E-15	0.279528	hyper	sig	chr1_118985284

chr14	99319906	99319906	+	2.602E-16	3.8881E-15	-0.26574	hypo	sig	chr14_99319906
chr10	1518418	1518418	+	2.605E-16	3.8919E-15	-0.24332	hypo	sig	chr10_1518418
chr1	90719282	90719282	+	2.606E-16	3.8939E-15	0.263386	hyper	sig	chr1_90719282
chr7	4225670	4225670	+	2.607E-16	3.8956E-15	-0.21212	hypo	sig	chr7_4225670
chr8	60877412	60877412	+	2.608E-16	3.8971E-15	-0.26705	hypo	sig	chr8_60877412
chr12	1.03E+08	103302371	+	2.609E-16	3.8976E-15	0.280932	hyper	sig	chr12_103302371
chr1	2.05E+08	205045528	+	2.611E-16	3.9007E-15	-0.33615	hypo	sig	chr1_205045528
chr10	1.31E+08	131177879	+	2.612E-16	3.9024E-15	0.30256	hyper	sig	chr10_131177879
chr2	20670275	20670275	+	2.612E-16	3.9026E-15	0.301884	hyper	sig	chr2_20670275
chr2	2.18E+08	218389865	+	2.613E-16	3.9042E-15	-0.36382	hypo	sig	chr2_218389865
chr9	87149330	87149330	+	2.615E-16	3.9062E-15	-0.24586	hypo	sig	chr9_87149330
chr2	1.18E+08	118310442	+	2.615E-16	3.9065E-15	0.224166	hyper	sig	chr2_118310442
chr19	49133063	49133063	+	2.617E-16	3.9097E-15	0.298751	hyper	sig	chr19_49133063
chr3	1.47E+08	147424628	+	2.618E-16	3.9116E-15	0.264984	hyper	sig	chr3_147424628
chr7	20776919	20776919	+	2.624E-16	3.9193E-15	0.283932	hyper	sig	chr7_20776919
chr1	1.56E+08	156076737	+	2.626E-16	3.9224E-15	0.39261	hyper	sig	chr1_156076737
chr10	75405380	75405380	+	2.628E-16	3.9248E-15	-0.24363	hypo	sig	chr10_75405380
chr7	1.58E+08	157832266	+	2.628E-16	3.926E-15	0.210679	hyper	sig	chr7_157832266
chr3	44585280	44585280	+	2.629E-16	3.9274E-15	0.287029	hyper	sig	chr3_44585280
chr1	1.83E+08	182952612	+	2.634E-16	3.9335E-15	0.353245	hyper	sig	chr1_182952612
chr14	60511534	60511534	+	2.636E-16	3.9368E-15	0.223211	hyper	sig	chr14_60511534
chr5	16180345	16180345	+	2.636E-16	3.937E-15	0.289728	hyper	sig	chr5_16180345
chr12	1.3E+08	130468428	+	2.638E-16	3.9405E-15	-0.26327	hypo	sig	chr12_130468428
chr7	97732009	97732009	+	2.64E-16	3.9427E-15	0.216274	hyper	sig	chr7_97732009
chr19	58033754	58033754	+	2.641E-16	3.9434E-15	0.305546	hyper	sig	chr19_58033754
chr3	28575306	28575306	+	2.641E-16	3.9446E-15	0.36552	hyper	sig	chr3_28575306
chr7	1.58E+08	158315519	+	2.645E-16	3.9495E-15	-0.24633	hypo	sig	chr7_158315519
chr12	1.07E+08	106585673	+	2.645E-16	3.9505E-15	0.265574	hyper	sig	chr12_106585673
chr12	9449649	9449649	+	2.647E-16	3.9524E-15	0.260788	hyper	sig	chr12_9449649
chr3	1.93E+08	192727138	+	2.647E-16	3.9529E-15	0.264005	hyper	sig	chr3_192727138
chr2	96527814	96527814	+	2.649E-16	3.956E-15	0.300264	hyper	sig	chr2_96527814
chr2	3769366	3769366	+	2.65E-16	3.9571E-15	-0.26621	hypo	sig	chr2_3769366
chr3	44022340	44022340	+	2.65E-16	3.9572E-15	0.233084	hyper	sig	chr3_44022340
chr8	2034752	2034752	+	2.652E-16	3.9595E-15	-0.29038	hypo	sig	chr8_2034752
chr1	1.55E+08	154869514	+	2.652E-16	3.9601E-15	0.279763	hyper	sig	chr1_154869514
chr12	1.08E+08	108426339	+	2.653E-16	3.961E-15	-0.28619	hypo	sig	chr12_108426339
chr19	4552645	4552645	+	2.654E-16	3.9621E-15	-0.24565	hypo	sig	chr19_4552645
chr20	58839905	58839905	+	2.654E-16	3.9625E-15	0.326708	hyper	sig	chr20_58839905
chr9	1.24E+08	124487283	+	2.654E-16	3.9631E-15	0.288398	hyper	sig	chr9_124487283
chr7	25952108	25952108	+	2.656E-16	3.9652E-15	-0.27884	hypo	sig	chr7_25952108
chr17	65549587	65549587	+	2.657E-16	3.9663E-15	-0.2269	hypo	sig	chr17_65549587
chr9	1.31E+08	131274839	+	2.658E-16	3.9674E-15	-0.24428	hypo	sig	chr9_131274839
chr6	1.05E+08	104940382	+	2.658E-16	3.9675E-15	0.304395	hyper	sig	chr6_104940382
chr19	8592647	8592647	+	2.66E-16	3.9707E-15	0.264953	hyper	sig	chr19_8592647
chr15	47184872	47184872	+	2.66E-16	3.9712E-15	0.296399	hyper	sig	chr15_47184872
chr4	41744722	41744722	+	2.663E-16	3.9759E-15	0.201917	hyper	sig	chr4_41744722
chr6	1.66E+08	166158271	+	2.667E-16	3.9805E-15	-0.27561	hypo	sig	chr6_166158271
chr5	1.36E+08	135579314	+	2.669E-16	3.9839E-15	0.230629	hyper	sig	chr5_135579314
chr11	1460626	1460626	+	2.67E-16	3.9852E-15	0.352877	hyper	sig	chr11_1460626
chr2	66437666	66437666	+	2.67E-16	3.9852E-15	0.209622	hyper	sig	chr2_66437666
chr1	1.1E+08	110112533	+	2.67E-16	3.9855E-15	-0.2064	hypo	sig	chr1_110112533
chr10	1.32E+08	132248100	+	2.67E-16	3.9857E-15	-0.26407	hypo	sig	chr10_132248100
chr4	3446235	3446235	+	2.671E-16	3.9864E-15	-0.3618	hypo	sig	chr4_3446235
chr19	45640875	45640875	+	2.671E-16	3.9872E-15	-0.23545	hypo	sig	chr19_45640875
chr10	1.34E+08	133528068	+	2.672E-16	3.9876E-15	0.341992	hyper	sig	chr10_133528068
chr14	56810113	56810113	+	2.674E-16	3.9902E-15	0.328398	hyper	sig	chr14_56810113

chr5	33936069	33936069	+	2.676E-16	3.993E-15	0.223464	hyper	sig	chr5_33936069
chr7	36192022	36192022	+	2.676E-16	3.9932E-15	0.262865	hyper	sig	chr7_36192022
chr6	29827657	29827657	+	2.676E-16	3.9934E-15	0.278108	hyper	sig	chr6_29827657
chr5	1.8E+08	180135620	+	2.679E-16	3.9973E-15	-0.24907	hypo	sig	chr5_180135620
chr18	5894802	5894802	+	2.679E-16	3.9981E-15	0.225204	hyper	sig	chr18_5894802
chr8	93496228	93496228	+	2.679E-16	3.9983E-15	0.284554	hyper	sig	chr8_93496228
chr12	1.14E+08	114480888	+	2.68E-16	3.999E-15	0.218393	hyper	sig	chr12_114480888
chr15	30923664	30923664	+	2.68E-16	3.9993E-15	0.29735	hyper	sig	chr15_30923664
chr5	1.81E+08	181174220	+	2.681E-16	4.0001E-15	0.283167	hyper	sig	chr5_181174220
chr17	81727527	81727527	+	2.681E-16	4.0005E-15	-0.23486	hypo	sig	chr17_81727527
chr5	1.77E+08	177328147	+	2.684E-16	4.0046E-15	-0.29469	hypo	sig	chr5_177328147
chr10	1.32E+08	132272506	+	2.684E-16	4.0049E-15	0.276835	hyper	sig	chr10_132272506
chr6	1635334	1635334	+	2.684E-16	4.0051E-15	0.23949	hyper	sig	chr6_1635334
chr17	505115	505115	+	2.688E-16	4.0106E-15	-0.27958	hypo	sig	chr17_505115
chr10	1201500	1201500	+	2.69E-16	4.0139E-15	-0.28131	hypo	sig	chr10_1201500
chr9	1.37E+08	136694057	+	2.692E-16	4.0156E-15	-0.23417	hypo	sig	chr9_136694057
chr7	6871471	6871471	+	2.692E-16	4.017E-15	-0.25131	hypo	sig	chr7_6871471
chr3	1.51E+08	150520520	+	2.693E-16	4.0183E-15	-0.28455	hypo	sig	chr3_150520520
chr5	37835781	37835781	+	2.694E-16	4.0186E-15	0.283422	hyper	sig	chr5_37835781
chr2	47571338	47571338	+	2.694E-16	4.0193E-15	0.212801	hyper	sig	chr2_47571338
chr2	1.19E+08	118857049	+	2.694E-16	4.0193E-15	0.236727	hyper	sig	chr2_118857049
chr1	65792224	65792224	+	2.695E-16	4.0211E-15	0.309042	hyper	sig	chr1_65792224
chr6	27553488	27553488	+	2.696E-16	4.0218E-15	0.227252	hyper	sig	chr6_27553488
chr17	45136231	45136231	+	2.697E-16	4.0227E-15	0.231512	hyper	sig	chr17_45136231
chr13	1.11E+08	110526004	+	2.697E-16	4.0235E-15	-0.30286	hypo	sig	chr13_110526004
chr6	1.59E+08	159169073	+	2.698E-16	4.025E-15	0.241709	hyper	sig	chr6_159169073
chr2	16014211	16014211	+	2.699E-16	4.0263E-15	-0.22025	hypo	sig	chr2_16014211
chr7	1.51E+08	151008760	+	2.7E-16	4.0277E-15	0.246139	hyper	sig	chr7_151008760
chr9	1.36E+08	136349035	+	2.702E-16	4.0297E-15	-0.30859	hypo	sig	chr9_136349035
chr17	82799799	82799799	+	2.706E-16	4.0355E-15	0.274441	hyper	sig	chr17_82799799
chr2	2.33E+08	233063713	+	2.707E-16	4.037E-15	-0.22402	hypo	sig	chr2_233063713
chr11	2287425	2287425	+	2.71E-16	4.0416E-15	0.317975	hyper	sig	chr11_2287425
chr3	1.54E+08	154428565	+	2.711E-16	4.0431E-15	0.314193	hyper	sig	chr3_154428565
chr12	1.25E+08	124532631	+	2.713E-16	4.0456E-15	0.288595	hyper	sig	chr12_124532631
chr10	8036180	8036180	+	2.713E-16	4.0465E-15	0.264999	hyper	sig	chr10_8036180
chr16	67001480	67001480	+	2.715E-16	4.0493E-15	0.268677	hyper	sig	chr16_67001480
chr5	1.79E+08	178590852	+	2.716E-16	4.0503E-15	0.246678	hyper	sig	chr5_178590852
chr21	33020046	33020046	+	2.719E-16	4.0547E-15	0.259394	hyper	sig	chr21_33020046
chr3	46577133	46577133	+	2.719E-16	4.0549E-15	0.31051	hyper	sig	chr3_46577133
chr10	633415	633415	+	2.72E-16	4.0555E-15	0.234743	hyper	sig	chr10_633415
chr2	2.27E+08	226798392	+	2.72E-16	4.0556E-15	0.207047	hyper	sig	chr2_226798392
chr22	16602571	16602571	+	2.722E-16	4.059E-15	0.229229	hyper	sig	chr22_16602571
chr20	62667325	62667325	+	2.726E-16	4.0645E-15	-0.23244	hypo	sig	chr20_62667325
chr19	50728689	50728689	+	2.726E-16	4.0653E-15	0.312212	hyper	sig	chr19_50728689
chr4	65668498	65668498	+	2.73E-16	4.0704E-15	0.248503	hyper	sig	chr4_65668498
chr7	1.28E+08	128134936	+	2.73E-16	4.0706E-15	0.302508	hyper	sig	chr7_128134936
chr2	55419326	55419326	+	2.731E-16	4.0723E-15	0.227806	hyper	sig	chr2_55419326
chr7	97027508	97027508	+	2.732E-16	4.073E-15	0.202066	hyper	sig	chr7_97027508
chr9	1.35E+08	135089003	+	2.732E-16	4.074E-15	0.29593	hyper	sig	chr9_135089003
chr10	1.24E+08	123992072	+	2.733E-16	4.0743E-15	0.263968	hyper	sig	chr10_123992072
chr5	88689778	88689778	+	2.734E-16	4.0764E-15	0.262968	hyper	sig	chr5_88689778
chr2	2.28E+08	228181912	+	2.735E-16	4.0776E-15	0.301036	hyper	sig	chr2_228181912
chr5	1.79E+08	178577166	+	2.736E-16	4.0792E-15	0.296373	hyper	sig	chr5_178577166
chr8	52941571	52941571	+	2.737E-16	4.0801E-15	0.355672	hyper	sig	chr8_52941571
chr10	665638	665638	+	2.737E-16	4.0809E-15	0.230078	hyper	sig	chr10_665638
chr12	63668639	63668639	+	2.738E-16	4.0823E-15	0.209118	hyper	sig	chr12_63668639

chr10	2775883	2775883	+	2.739E-16	4.0832E-15	-0.2466	hypo	sig	chr10_2775883
chr18	45775643	45775643	+	2.739E-16	4.0833E-15	0.237029	hyper	sig	chr18_45775643
chr6	37702352	37702352	+	2.739E-16	4.0836E-15	-0.29666	hypo	sig	chr6_37702352
chr19	1908256	1908256	+	2.741E-16	4.0862E-15	-0.25728	hypo	sig	chr19_1908256
chr16	3189580	3189580	+	2.742E-16	4.0868E-15	0.209135	hyper	sig	chr16_3189580
chr6	1.71E+08	170610405	+	2.744E-16	4.0902E-15	-0.2339	hypo	sig	chr6_170610405
chr1	7782300	7782300	+	2.745E-16	4.0914E-15	-0.26214	hypo	sig	chr1_7782300
chr3	1.34E+08	134057513	+	2.745E-16	4.0918E-15	-0.22043	hypo	sig	chr3_134057513
chr8	1.17E+08	116937398	+	2.746E-16	4.093E-15	-0.4602	hypo	sig	chr8_116937398
chr9	37026473	37026473	+	2.751E-16	4.1008E-15	0.287303	hyper	sig	chr9_37026473
chr11	47409323	47409323	+	2.753E-16	4.1025E-15	0.262187	hyper	sig	chr11_47409323
chr5	1.81E+08	180609421	+	2.756E-16	4.1073E-15	-0.28397	hypo	sig	chr5_180609421
chr12	1.31E+08	131105853	+	2.756E-16	4.1079E-15	-0.21325	hypo	sig	chr12_131105853
chr8	57143616	57143616	+	2.757E-16	4.1087E-15	0.283612	hyper	sig	chr8_57143616
chr17	48722283	48722283	+	2.759E-16	4.1115E-15	0.201902	hyper	sig	chr17_48722283
chr5	1.41E+08	141188784	+	2.759E-16	4.1115E-15	0.325343	hyper	sig	chr5_141188784
chr5	16180310	16180310	+	2.76E-16	4.1132E-15	0.314026	hyper	sig	chr5_16180310
chr11	20598635	20598635	+	2.763E-16	4.1181E-15	0.332658	hyper	sig	chr11_20598635
chr12	1.33E+08	132768818	+	2.766E-16	4.122E-15	0.30175	hyper	sig	chr12_132768818
chr16	1526038	1526038	+	2.768E-16	4.1253E-15	-0.2434	hypo	sig	chr16_1526038
chr2	96317782	96317782	+	2.769E-16	4.1268E-15	-0.22885	hypo	sig	chr2_96317782
chr12	1.03E+08	103495925	+	2.771E-16	4.129E-15	0.223558	hyper	sig	chr12_103495925
chr16	974869	974869	+	2.771E-16	4.129E-15	-0.29777	hypo	sig	chr16_974869
chr7	8436439	8436439	+	2.771E-16	4.129E-15	0.268973	hyper	sig	chr7_8436439
chr12	15322714	15322714	+	2.772E-16	4.1299E-15	0.208333	hyper	sig	chr12_15322714
chr17	48541951	48541951	+	2.774E-16	4.1334E-15	0.288538	hyper	sig	chr17_48541951
chr2	2.08E+08	208407396	+	2.774E-16	4.1337E-15	0.279769	hyper	sig	chr2_208407396
chr11	1.11E+08	111284263	+	2.775E-16	4.1349E-15	-0.24484	hypo	sig	chr11_111284263
chr19	8593018	8593018	+	2.776E-16	4.1355E-15	0.360494	hyper	sig	chr19_8593018
chr2	2.37E+08	237489538	+	2.776E-16	4.1355E-15	-0.22332	hypo	sig	chr2_237489538
chr9	1.22E+08	121741395	+	2.777E-16	4.1368E-15	0.253794	hyper	sig	chr9_121741395
chr2	2.33E+08	232634963	+	2.777E-16	4.1368E-15	0.260929	hyper	sig	chr2_232634963
chr3	44022385	44022385	+	2.777E-16	4.1374E-15	0.211677	hyper	sig	chr3_44022385
chr19	1524459	1524459	+	2.777E-16	4.1376E-15	0.267484	hyper	sig	chr19_1524459
chr8	70071584	70071584	+	2.779E-16	4.1394E-15	0.377858	hyper	sig	chr8_70071584
chr20	21020546	21020546	+	2.779E-16	4.1399E-15	0.296138	hyper	sig	chr20_21020546
chr11	2266897	2266897	+	2.779E-16	4.1403E-15	-0.28205	hypo	sig	chr11_2266897
chr4	4226418	4226418	+	2.78E-16	4.1417E-15	0.2962	hyper	sig	chr4_4226418
chr11	30583947	30583947	+	2.782E-16	4.1436E-15	0.313509	hyper	sig	chr11_30583947
chr9	975901	975901	+	2.784E-16	4.1464E-15	0.24088	hyper	sig	chr9_975901
chr9	1.37E+08	136821249	+	2.787E-16	4.1509E-15	0.233615	hyper	sig	chr9_136821249
chr8	1.43E+08	143213031	+	2.79E-16	4.1554E-15	-0.26222	hypo	sig	chr8_143213031
chr11	31818180	31818180	+	2.791E-16	4.1563E-15	0.375585	hyper	sig	chr11_31818180
chr6	98824108	98824108	+	2.791E-16	4.1568E-15	0.272483	hyper	sig	chr6_98824108
chr7	74094627	74094627	+	2.791E-16	4.1569E-15	0.285559	hyper	sig	chr7_74094627
chr5	1.41E+08	141373964	+	2.793E-16	4.1596E-15	0.246742	hyper	sig	chr5_141373964
chr16	1027028	1027028	+	2.795E-16	4.1622E-15	-0.21308	hypo	sig	chr16_1027028
chr16	31471599	31471599	+	2.798E-16	4.1664E-15	0.305276	hyper	sig	chr16_31471599
chr7	1.5E+08	150048021	+	2.798E-16	4.1664E-15	0.237547	hyper	sig	chr7_150048021
chr16	66579317	66579317	+	2.8E-16	4.1697E-15	0.263954	hyper	sig	chr16_66579317
chr6	71052492	71052492	+	2.801E-16	4.1709E-15	-0.32328	hypo	sig	chr6_71052492
chr15	25219338	25219338	+	2.806E-16	4.178E-15	-0.28086	hypo	sig	chr15_25219338
chr7	2734831	2734831	+	2.806E-16	4.178E-15	0.267151	hyper	sig	chr7_2734831
chr9	92807360	92807360	+	2.807E-16	4.1796E-15	0.256513	hyper	sig	chr9_92807360
chr18	12701729	12701729	+	2.807E-16	4.1797E-15	-0.24967	hypo	sig	chr18_12701729
chr11	49058961	49058961	+	2.807E-16	4.1802E-15	-0.28936	hypo	sig	chr11_49058961

chr6	1.69E+08	169169608	+	2.808E-16	4.1816E-15	-0.25008	hypo	sig	chr6_169169608
chr14	36514659	36514659	+	2.811E-16	4.1849E-15	0.201574	hyper	sig	chr14_36514659
chr5	37836178	37836178	+	2.812E-16	4.1866E-15	0.258264	hyper	sig	chr5_37836178
chr1	2.36E+08	235642390	+	2.814E-16	4.19E-15	-0.28437	hypo	sig	chr1_235642390
chr7	29802457	29802457	+	2.815E-16	4.1903E-15	-0.25389	hypo	sig	chr7_29802457
chr19	932837	932837	+	2.816E-16	4.1923E-15	-0.2465	hypo	sig	chr19_932837
chr8	64371095	64371095	+	2.817E-16	4.1931E-15	0.267555	hyper	sig	chr8_64371095
chr20	62740232	62740232	+	2.817E-16	4.1938E-15	-0.27966	hypo	sig	chr20_62740232
chr15	45645549	45645549	+	2.821E-16	4.2E-15	-0.26877	hypo	sig	chr15_45645549
chr13	83879553	83879553	+	2.824E-16	4.204E-15	0.208839	hyper	sig	chr13_83879553
chr20	23048655	23048655	+	2.825E-16	4.2049E-15	0.245119	hyper	sig	chr20_23048655
chr10	472301	472301	+	2.827E-16	4.2083E-15	-0.25886	hypo	sig	chr10_472301
chr10	1.01E+08	101135355	+	2.83E-16	4.2133E-15	0.364286	hyper	sig	chr10_101135355
chr1	1.48E+08	148033587	+	2.831E-16	4.2144E-15	0.384324	hyper	sig	chr1_148033587
chr16	4664391	4664391	+	2.834E-16	4.2187E-15	-0.29875	hypo	sig	chr16_4664391
chr2	1.76E+08	176124787	+	2.837E-16	4.222E-15	-0.28281	hypo	sig	chr2_176124787
chr8	1.41E+08	140508380	+	2.837E-16	4.2221E-15	0.205246	hyper	sig	chr8_140508380
chr10	1.01E+08	101237588	+	2.837E-16	4.2228E-15	0.270723	hyper	sig	chr10_101237588
chr7	553914	553914	+	2.838E-16	4.2232E-15	0.295973	hyper	sig	chr7_553914
chr8	1029526	1029526	+	2.839E-16	4.225E-15	-0.30075	hypo	sig	chr8_1029526
chr7	27122552	27122552	+	2.84E-16	4.2263E-15	-0.27032	hypo	sig	chr7_27122552
chr22	37024283	37024283	+	2.844E-16	4.2326E-15	-0.34572	hypo	sig	chr22_37024283
chr7	1232850	1232850	+	2.846E-16	4.2352E-15	0.265046	hyper	sig	chr7_1232850
chr5	444014	444014	+	2.846E-16	4.2356E-15	-0.277	hypo	sig	chr5_444014
chr1	2.18E+08	218364274	+	2.847E-16	4.2371E-15	-0.21544	hypo	sig	chr1_218364274
chr8	71845581	71845581	+	2.85E-16	4.2415E-15	0.237149	hyper	sig	chr8_71845581
chr3	9552462	9552462	+	2.851E-16	4.2428E-15	0.261905	hyper	sig	chr3_9552462
chr2	24827975	24827975	+	2.853E-16	4.2457E-15	0.236232	hyper	sig	chr2_24827975
chr19	35449934	35449934	+	2.856E-16	4.2503E-15	-0.28999	hypo	sig	chr19_35449934
chr11	1.29E+08	128694325	+	2.859E-16	4.2541E-15	0.375979	hyper	sig	chr11_128694325
chr20	63448319	63448319	+	2.86E-16	4.2556E-15	-0.23878	hypo	sig	chr20_63448319
chr22	24432674	24432674	+	2.862E-16	4.2582E-15	0.26492	hyper	sig	chr22_24432674
chr19	22052342	22052342	+	2.863E-16	4.2595E-15	0.200265	hyper	sig	chr19_22052342
chr16	67165615	67165615	+	2.864E-16	4.2612E-15	0.320807	hyper	sig	chr16_67165615
chr8	1.45E+08	144700058	+	2.865E-16	4.2621E-15	0.225403	hyper	sig	chr8_144700058
chr4	1.72E+08	171812669	+	2.869E-16	4.2679E-15	0.34919	hyper	sig	chr4_171812669
chr9	1.36E+08	136202516	+	2.869E-16	4.2681E-15	0.282807	hyper	sig	chr9_136202516
chr2	2.32E+08	232488263	+	2.87E-16	4.2697E-15	0.325332	hyper	sig	chr2_232488263
chr19	3451137	3451137	+	2.87E-16	4.2698E-15	0.264904	hyper	sig	chr19_3451137
chr10	1.33E+08	133309545	+	2.871E-16	4.2715E-15	-0.23657	hypo	sig	chr10_133309545
chr17	8681299	8681299	+	2.872E-16	4.2717E-15	0.285169	hyper	sig	chr17_8681299
chr21	26845347	26845347	+	2.872E-16	4.2721E-15	0.260521	hyper	sig	chr21_26845347
chr22	29582033	29582033	+	2.873E-16	4.2738E-15	-0.28554	hypo	sig	chr22_29582033
chr7	1.51E+08	150956114	+	2.873E-16	4.2742E-15	0.262406	hyper	sig	chr7_150956114
chr4	1.22E+08	121765397	+	2.875E-16	4.2769E-15	0.208526	hyper	sig	chr4_121765397
chr10	1.11E+08	111075103	+	2.876E-16	4.2772E-15	-0.2097	hypo	sig	chr10_111075103
chr5	1.41E+08	141389404	+	2.876E-16	4.2773E-15	0.224366	hyper	sig	chr5_141389404
chr19	1520541	1520541	+	2.879E-16	4.2823E-15	-0.30146	hypo	sig	chr19_1520541
chr5	1.73E+08	173244711	+	2.88E-16	4.283E-15	0.352793	hyper	sig	chr5_173244711
chr19	57934891	57934891	+	2.883E-16	4.2881E-15	0.308043	hyper	sig	chr19_57934891
chr19	58118600	58118600	+	2.885E-16	4.2909E-15	0.275822	hyper	sig	chr19_58118600
chr1	1.57E+08	156849326	+	2.885E-16	4.2911E-15	0.277304	hyper	sig	chr1_156849326
chr15	82646234	82646234	+	2.889E-16	4.2971E-15	0.322081	hyper	sig	chr15_82646234
chr12	2793603	2793603	+	2.89E-16	4.2978E-15	-0.25153	hypo	sig	chr12_2793603
chr10	7667773	7667773	+	2.891E-16	4.2989E-15	0.358523	hyper	sig	chr10_7667773
chr3	1.23E+08	123447863	+	2.892E-16	4.3012E-15	0.266464	hyper	sig	chr3_123447863

chr4	92305817	92305817	+	2.894E-16	4.3036E-15	0.228695	hyper	sig	chr4_92305817
chr1	63319947	63319947	+	2.894E-16	4.3042E-15	0.288085	hyper	sig	chr1_63319947
chr7	41051826	41051826	+	2.896E-16	4.306E-15	-0.24384	hypo	sig	chr7_41051826
chr2	1.11E+08	110731812	+	2.897E-16	4.3076E-15	-0.21811	hypo	sig	chr2_110731812
chr3	14029735	14029735	+	2.898E-16	4.3095E-15	-0.25738	hypo	sig	chr3_14029735
chr5	1003006	1003006	+	2.899E-16	4.3104E-15	-0.24367	hypo	sig	chr5_1003006
chr15	67064670	67064670	+	2.9E-16	4.3125E-15	-0.29432	hypo	sig	chr15_67064670
chr17	80270517	80270517	+	2.901E-16	4.3135E-15	0.246199	hyper	sig	chr17_80270517
chr7	1.5E+08	150220233	+	2.903E-16	4.3164E-15	0.296432	hyper	sig	chr7_150220233
chr12	81759511	81759511	+	2.904E-16	4.3173E-15	0.235559	hyper	sig	chr12_81759511
chr13	78607565	78607565	+	2.905E-16	4.3198E-15	0.239616	hyper	sig	chr13_78607565
chr5	1.41E+08	141224921	+	2.906E-16	4.3201E-15	0.31612	hyper	sig	chr5_141224921
chr17	35515282	35515282	+	2.907E-16	4.3226E-15	0.270575	hyper	sig	chr17_35515282
chr2	1.76E+08	176075670	+	2.909E-16	4.3243E-15	0.235038	hyper	sig	chr2_176075670
chr5	3597216	3597216	+	2.909E-16	4.3243E-15	0.284867	hyper	sig	chr5_3597216
chr16	160834	160834	+	2.909E-16	4.3248E-15	-0.31559	hypo	sig	chr16_160834
chr1	1.8E+08	179743060	+	2.912E-16	4.3289E-15	0.201269	hyper	sig	chr1_179743060
chr5	1.77E+08	177484830	+	2.914E-16	4.3321E-15	0.246714	hyper	sig	chr5_177484830
chr8	48923512	48923512	+	2.916E-16	4.335E-15	-0.34901	hypo	sig	chr8_48923512
chr7	1.56E+08	155997667	+	2.919E-16	4.3398E-15	0.217145	hyper	sig	chr7_155997667
chr1	2.28E+08	228158536	+	2.92E-16	4.3405E-15	0.28113	hyper	sig	chr1_228158536
chr11	27722928	27722928	+	2.922E-16	4.3432E-15	0.243378	hyper	sig	chr11_27722928
chr7	1.22E+08	122299845	+	2.924E-16	4.3461E-15	0.305097	hyper	sig	chr7_122299845
chr16	88982025	88982025	+	2.925E-16	4.3473E-15	-0.21454	hypo	sig	chr16_88982025
chr10	5564456	5564456	+	2.929E-16	4.3529E-15	-0.26411	hypo	sig	chr10_5564456
chr20	21397825	21397825	+	2.93E-16	4.3557E-15	0.405975	hyper	sig	chr20_21397825
chr7	4267810	4267810	+	2.931E-16	4.3559E-15	0.212795	hyper	sig	chr7_4267810
chr6	50820224	50820224	+	2.932E-16	4.3574E-15	0.278037	hyper	sig	chr6_50820224
chr3	32819131	32819131	+	2.936E-16	4.364E-15	0.371978	hyper	sig	chr3_32819131
chr20	31721725	31721725	+	2.938E-16	4.3659E-15	-0.27166	hypo	sig	chr20_31721725
chr2	12926697	12926697	+	2.939E-16	4.3672E-15	-0.23768	hypo	sig	chr2_12926697
chr15	25232506	25232506	+	2.94E-16	4.3686E-15	-0.25498	hypo	sig	chr15_25232506
chr8	23705618	23705618	+	2.94E-16	4.3688E-15	0.309024	hyper	sig	chr8_23705618
chr7	1226041	1226041	+	2.942E-16	4.3721E-15	0.280797	hyper	sig	chr7_1226041
chr17	29572645	29572645	+	2.944E-16	4.3749E-15	0.338791	hyper	sig	chr17_29572645
chr10	75408802	75408802	+	2.946E-16	4.3782E-15	0.259393	hyper	sig	chr10_75408802
chr2	1.54E+08	153871444	+	2.947E-16	4.3789E-15	0.298223	hyper	sig	chr2_153871444
chr16	83935298	83935298	+	2.947E-16	4.3794E-15	-0.27263	hypo	sig	chr16_83935298
chr15	52789113	52789113	+	2.948E-16	4.3798E-15	0.339655	hyper	sig	chr15_52789113
chr22	49999978	49999978	+	2.948E-16	4.3798E-15	0.245006	hyper	sig	chr22_49999978
chr8	1.42E+08	141760607	+	2.952E-16	4.3866E-15	-0.24459	hypo	sig	chr8_141760607
chr7	1.4E+08	140229565	+	2.955E-16	4.3901E-15	-0.20506	hypo	sig	chr7_140229565
chr5	1.77E+08	177384256	+	2.956E-16	4.3922E-15	-0.25545	hypo	sig	chr5_177384256
chr12	8019096	8019096	+	2.956E-16	4.3922E-15	0.21984	hyper	sig	chr12_8019096
chr1	75128331	75128331	+	2.958E-16	4.3942E-15	0.259952	hyper	sig	chr1_75128331
chr7	1.57E+08	157078441	+	2.958E-16	4.3947E-15	0.27137	hyper	sig	chr7_157078441
chr12	1.09E+08	109305791	+	2.959E-16	4.3963E-15	-0.26007	hypo	sig	chr12_109305791
chr3	13637805	13637805	+	2.96E-16	4.3966E-15	-0.29353	hypo	sig	chr3_13637805
chr6	27268114	27268114	+	2.961E-16	4.3984E-15	0.223192	hyper	sig	chr6_27268114
chr12	1.04E+08	104294329	+	2.961E-16	4.3991E-15	0.272828	hyper	sig	chr12_104294329
chr8	578297	578297	+	2.962E-16	4.3998E-15	-0.26343	hypo	sig	chr8_578297
chr14	1.03E+08	102806601	+	2.963E-16	4.4017E-15	-0.22809	hypo	sig	chr14_102806601
chr8	96157720	96157720	+	2.964E-16	4.4032E-15	0.20174	hyper	sig	chr8_96157720
chr17	79540773	79540773	+	2.966E-16	4.4052E-15	-0.22309	hypo	sig	chr17_79540773
chr2	1282869	1282869	+	2.967E-16	4.407E-15	0.236547	hyper	sig	chr2_1282869
chr19	1130867	1130867	+	2.973E-16	4.4151E-15	-0.22064	hypo	sig	chr19_1130867

chr1	1.19E+08	118990225	+	2.976E-16	4.42E-15	0.230229	hyper	sig	chr1_118990225
chr6	50836395	50836395	+	2.979E-16	4.424E-15	0.226701	hyper	sig	chr6_50836395
chr12	1.1E+08	109961507	+	2.98E-16	4.4256E-15	-0.2004	hypo	sig	chr12_109961507
chr19	5250462	5250462	+	2.98E-16	4.4257E-15	-0.29731	hypo	sig	chr19_5250462
chr12	34166078	34166078	+	2.98E-16	4.4259E-15	-0.36761	hypo	sig	chr12_34166078
chr22	19892329	19892329	+	2.98E-16	4.4259E-15	-0.27655	hypo	sig	chr22_19892329
chr9	95086514	95086514	+	2.986E-16	4.4346E-15	0.254995	hyper	sig	chr9_95086514
chr1	1.57E+08	156845985	+	2.988E-16	4.4373E-15	0.326769	hyper	sig	chr1_156845985
chr3	87089297	87089297	+	2.991E-16	4.442E-15	0.227255	hyper	sig	chr3_87089297
chr3	49659971	49659971	+	2.991E-16	4.4421E-15	-0.3278	hypo	sig	chr3_49659971
chr10	1.27E+08	127496171	+	2.994E-16	4.4451E-15	0.235829	hyper	sig	chr10_127496171
chr2	2.32E+08	232315724	+	2.995E-16	4.4469E-15	-0.23077	hypo	sig	chr2_232315724
chr10	6179209	6179209	+	2.996E-16	4.448E-15	0.242087	hyper	sig	chr10_6179209
chr2	1.45E+08	144517307	+	2.996E-16	4.4483E-15	0.216791	hyper	sig	chr2_144517307
chr8	57143519	57143519	+	2.996E-16	4.4485E-15	0.304069	hyper	sig	chr8_57143519
chr22	49171088	49171088	+	2.998E-16	4.451E-15	-0.27621	hypo	sig	chr22_49171088
chr6	99602697	99602697	+	3.006E-16	4.4623E-15	0.272751	hyper	sig	chr6_99602697
chr10	23192614	23192614	+	3.006E-16	4.4623E-15	0.328581	hyper	sig	chr10_23192614
chr15	89416639	89416639	+	3.008E-16	4.4654E-15	0.263705	hyper	sig	chr15_89416639
chr2	2.38E+08	237538508	+	3.009E-16	4.4674E-15	0.320414	hyper	sig	chr2_237538508
chr16	85329626	85329626	+	3.011E-16	4.4696E-15	-0.26589	hypo	sig	chr16_85329626
chr14	60646448	60646448	+	3.015E-16	4.4761E-15	0.279679	hyper	sig	chr14_60646448
chr5	392763	392763	+	3.017E-16	4.4789E-15	-0.31544	hypo	sig	chr5_392763
chr5	1.41E+08	141350332	+	3.018E-16	4.4803E-15	0.310528	hyper	sig	chr5_141350332
chr1	2.28E+08	228212569	+	3.018E-16	4.4804E-15	0.335818	hyper	sig	chr1_228212569
chr11	1.15E+08	115153792	+	3.019E-16	4.4812E-15	-0.20298	hypo	sig	chr11_115153792
chr19	10230119	10230119	+	3.019E-16	4.4819E-15	0.249008	hyper	sig	chr19_10230119
chr6	30071152	30071152	+	3.024E-16	4.4881E-15	0.238333	hyper	sig	chr6_30071152
chr10	1.17E+08	116803207	+	3.025E-16	4.4899E-15	-0.23642	hypo	sig	chr10_116803207
chr20	21707565	21707565	+	3.034E-16	4.5028E-15	0.257928	hyper	sig	chr20_21707565
chr4	1.21E+08	121380413	+	3.034E-16	4.5034E-15	0.278633	hyper	sig	chr4_121380413
chr3	1.97E+08	197378463	+	3.035E-16	4.5047E-15	0.269924	hyper	sig	chr3_197378463
chr11	1343841	1343841	+	3.039E-16	4.5102E-15	-0.25574	hypo	sig	chr11_1343841
chr1	16647989	16647989	+	3.039E-16	4.5103E-15	0.205658	hyper	sig	chr1_16647989
chr1	2E+08	200036195	+	3.04E-16	4.5113E-15	0.322935	hyper	sig	chr1_200036195
chr5	1.79E+08	178986271	+	3.044E-16	4.5175E-15	-0.34978	hypo	sig	chr5_178986271
chr2	98346463	98346463	+	3.046E-16	4.5204E-15	0.334664	hyper	sig	chr2_98346463
chr10	31760998	31760998	+	3.047E-16	4.5216E-15	0.230331	hyper	sig	chr10_31760998
chr3	49422454	49422454	+	3.047E-16	4.5216E-15	0.222335	hyper	sig	chr3_49422454
chr9	1.37E+08	136821297	+	3.047E-16	4.5217E-15	0.257717	hyper	sig	chr9_136821297
chr6	1.37E+08	137495920	+	3.049E-16	4.5249E-15	0.299328	hyper	sig	chr6_137495920
chr5	1.41E+08	141402911	+	3.055E-16	4.5323E-15	0.280551	hyper	sig	chr5_141402911
chr16	268718	268718	+	3.055E-16	4.5325E-15	-0.26034	hypo	sig	chr16_268718
chr10	86263082	86263082	+	3.056E-16	4.5337E-15	0.216033	hyper	sig	chr10_86263082
chr10	1.28E+08	127736910	+	3.057E-16	4.5353E-15	0.366015	hyper	sig	chr10_127736910
chr7	1.51E+08	151404036	+	3.058E-16	4.5369E-15	-0.36593	hypo	sig	chr7_151404036
chr17	14206334	14206334	+	3.059E-16	4.5386E-15	-0.27268	hypo	sig	chr17_14206334
chr16	54936446	54936446	+	3.06E-16	4.5395E-15	0.201637	hyper	sig	chr16_54936446
chr10	79382417	79382417	+	3.061E-16	4.541E-15	0.242821	hyper	sig	chr10_79382417
chr16	57797900	57797900	+	3.061E-16	4.5411E-15	-0.26479	hypo	sig	chr16_57797900
chr1	1.55E+08	154932316	+	3.062E-16	4.5428E-15	-0.27185	hypo	sig	chr1_154932316
chr17	79423306	79423306	+	3.062E-16	4.5428E-15	-0.28559	hypo	sig	chr17_79423306
chr2	6495818	6495818	+	3.063E-16	4.5436E-15	-0.26154	hypo	sig	chr2_6495818
chr14	75470082	75470082	+	3.064E-16	4.5453E-15	0.261122	hyper	sig	chr14_75470082
chr5	58582482	58582482	+	3.066E-16	4.5476E-15	0.215004	hyper	sig	chr5_58582482
chr18	47248552	47248552	+	3.066E-16	4.5477E-15	0.251725	hyper	sig	chr18_47248552

chr11	1.24E+08	123577629	+	3.07E-16	4.553E-15	-0.29561	hypo	sig	chr11_123577629
chr7	30505458	30505458	+	3.071E-16	4.5543E-15	-0.23276	hypo	sig	chr7_30505458
chr17	75891308	75891308	+	3.072E-16	4.5562E-15	-0.2322	hypo	sig	chr17_75891308
chr17	74935948	74935948	+	3.074E-16	4.5599E-15	0.259038	hyper	sig	chr17_74935948
chr7	72970674	72970674	+	3.076E-16	4.5626E-15	-0.23603	hypo	sig	chr7_72970674
chr6	1309594	1309594	+	3.077E-16	4.5642E-15	-0.27241	hypo	sig	chr6_1309594
chr16	84062810	84062810	+	3.078E-16	4.5648E-15	0.228284	hyper	sig	chr16_84062810
chr2	2.39E+08	238967625	+	3.078E-16	4.5656E-15	-0.24045	hypo	sig	chr2_238967625
chr19	35994397	35994397	+	3.082E-16	4.5706E-15	0.255384	hyper	sig	chr19_35994397
chr5	1.41E+08	141431603	+	3.085E-16	4.5755E-15	0.28576	hyper	sig	chr5_141431603
chr4	11367383	11367383	+	3.088E-16	4.5799E-15	0.299169	hyper	sig	chr4_11367383
chr2	74516179	74516179	+	3.09E-16	4.5817E-15	0.216697	hyper	sig	chr2_74516179
chr5	1.41E+08	141183666	+	3.09E-16	4.5818E-15	0.249197	hyper	sig	chr5_141183666
chr7	19117555	19117555	+	3.09E-16	4.5818E-15	0.32473	hyper	sig	chr7_19117555
chr13	37869915	37869915	+	3.096E-16	4.5903E-15	0.261713	hyper	sig	chr13_37869915
chr16	89052607	89052607	+	3.097E-16	4.5917E-15	-0.39221	hypo	sig	chr16_89052607
chr7	97020940	97020940	+	3.098E-16	4.5932E-15	0.302336	hyper	sig	chr7_97020940
chr8	1.45E+08	144504357	+	3.098E-16	4.594E-15	0.227692	hyper	sig	chr8_144504357
chr7	1.58E+08	157738512	+	3.099E-16	4.5943E-15	0.259805	hyper	sig	chr7_157738512
chr8	1.08E+08	108082317	+	3.101E-16	4.5979E-15	0.250354	hyper	sig	chr8_108082317
chr8	57202333	57202333	+	3.102E-16	4.5988E-15	-0.23382	hypo	sig	chr8_57202333
chr10	697006	697006	+	3.104E-16	4.6021E-15	-0.20827	hypo	sig	chr10_697006
chr1	75130278	75130278	+	3.11E-16	4.6107E-15	0.255742	hyper	sig	chr1_75130278
chr4	6005525	6005525	+	3.111E-16	4.6126E-15	-0.2937	hypo	sig	chr4_6005525
chr19	4369375	4369375	+	3.113E-16	4.6146E-15	-0.24656	hypo	sig	chr19_4369375
chr4	1.57E+08	156977599	+	3.116E-16	4.6192E-15	-0.30162	hypo	sig	chr4_156977599
chr8	26865848	26865848	+	3.118E-16	4.6224E-15	0.298849	hyper	sig	chr8_26865848
chr4	1.57E+08	157222758	+	3.118E-16	4.6225E-15	0.282145	hyper	sig	chr4_157222758
chr5	6583666	6583666	+	3.12E-16	4.624E-15	0.233147	hyper	sig	chr5_6583666
chr10	1.32E+08	131980027	+	3.121E-16	4.6256E-15	0.206706	hyper	sig	chr10_131980027
chr11	1344283	1344283	+	3.121E-16	4.6268E-15	-0.2599	hypo	sig	chr11_1344283
chr1	75135462	75135462	+	3.124E-16	4.6311E-15	0.226253	hyper	sig	chr1_75135462
chr11	81207908	81207908	+	3.126E-16	4.6331E-15	-0.31811	hypo	sig	chr11_81207908
chr11	66316647	66316647	+	3.128E-16	4.6368E-15	0.330182	hyper	sig	chr11_66316647
chr17	79185633	79185633	+	3.129E-16	4.637E-15	-0.2259	hypo	sig	chr17_79185633
chr17	39165237	39165237	+	3.129E-16	4.6371E-15	0.317817	hyper	sig	chr17_39165237
chr5	1.35E+08	134923833	+	3.132E-16	4.6424E-15	0.258465	hyper	sig	chr5_134923833
chr8	1.04E+08	103500914	+	3.133E-16	4.6431E-15	0.247089	hyper	sig	chr8_103500914
chr5	1.29E+08	128537920	+	3.134E-16	4.645E-15	0.334336	hyper	sig	chr5_128537920
chr6	33272694	33272694	+	3.135E-16	4.6461E-15	-0.20037	hypo	sig	chr6_33272694
chr2	660809	660809	+	3.137E-16	4.649E-15	0.257246	hyper	sig	chr2_660809
chr3	79502494	79502494	+	3.137E-16	4.649E-15	-0.28892	hypo	sig	chr3_79502494
chr17	46978005	46978005	+	3.139E-16	4.6512E-15	0.349114	hyper	sig	chr17_46978005
chr5	93588395	93588395	+	3.14E-16	4.6524E-15	0.297411	hyper	sig	chr5_93588395
chr6	75202346	75202346	+	3.14E-16	4.6527E-15	0.239656	hyper	sig	chr6_75202346
chr2	2.06E+08	205687327	+	3.14E-16	4.653E-15	0.273188	hyper	sig	chr2_205687327
chr10	1.23E+08	122954696	+	3.142E-16	4.656E-15	0.258594	hyper	sig	chr10_122954696
chr20	64062652	64062652	+	3.145E-16	4.6596E-15	0.291142	hyper	sig	chr20_64062652
chr12	1.3E+08	130196065	+	3.149E-16	4.6652E-15	0.229306	hyper	sig	chr12_130196065
chr10	1.32E+08	132447887	+	3.15E-16	4.6679E-15	-0.24572	hypo	sig	chr10_132447887
chr2	94871452	94871452	+	3.151E-16	4.6679E-15	0.248585	hyper	sig	chr2_94871452
chr7	20776903	20776903	+	3.153E-16	4.6718E-15	0.29191	hyper	sig	chr7_20776903
chr4	1.11E+08	110633431	+	3.153E-16	4.6719E-15	0.306457	hyper	sig	chr4_110633431
chr5	1.35E+08	135490274	+	3.156E-16	4.6758E-15	0.226492	hyper	sig	chr5_135490274
chr2	2.02E+08	202036314	+	3.157E-16	4.6772E-15	0.3543	hyper	sig	chr2_202036314
chr6	1.37E+08	137494435	+	3.159E-16	4.6801E-15	0.241823	hyper	sig	chr6_137494435

chr16	85179286	85179286	+	3.16E-16	4.682E-15	-0.22429	hypo	sig	chr16_85179286
chr3	52999096	52999096	+	3.162E-16	4.6836E-15	-0.20175	hypo	sig	chr3_52999096
chr1	46544437	46544437	+	3.163E-16	4.6854E-15	0.332193	hyper	sig	chr1_46544437
chr19	44757641	44757641	+	3.163E-16	4.6861E-15	0.379865	hyper	sig	chr19_44757641
chr17	42023823	42023823	+	3.165E-16	4.6878E-15	-0.35557	hypo	sig	chr17_42023823
chr19	37551340	37551340	+	3.165E-16	4.688E-15	0.379087	hyper	sig	chr19_37551340
chr11	20670277	20670277	+	3.167E-16	4.6908E-15	0.369963	hyper	sig	chr11_20670277
chr8	61023955	61023955	+	3.168E-16	4.6933E-15	0.256861	hyper	sig	chr8_61023955
chr3	1.39E+08	138960705	+	3.17E-16	4.6959E-15	0.225053	hyper	sig	chr3_138960705
chr19	53521475	53521475	+	3.171E-16	4.6974E-15	0.306451	hyper	sig	chr19_53521475
chr4	3482322	3482322	+	3.172E-16	4.6985E-15	-0.27764	hypo	sig	chr4_3482322
chr9	6644705	6644705	+	3.174E-16	4.7004E-15	0.258061	hyper	sig	chr9_6644705
chr4	1.11E+08	110614372	+	3.175E-16	4.7023E-15	0.331898	hyper	sig	chr4_110614372
chr10	1.23E+08	123142936	+	3.178E-16	4.707E-15	0.214543	hyper	sig	chr10_123142936
chr2	2.39E+08	239250016	+	3.178E-16	4.7071E-15	0.296863	hyper	sig	chr2_239250016
chr7	4899813	4899813	+	3.178E-16	4.7073E-15	-0.2288	hypo	sig	chr7_4899813
chr7	1.56E+08	156123018	+	3.179E-16	4.7086E-15	-0.26896	hypo	sig	chr7_156123018
chr1	1.81E+08	181485839	+	3.179E-16	4.7087E-15	0.205993	hyper	sig	chr1_181485839
chr15	43329731	43329731	+	3.183E-16	4.7138E-15	0.255377	hyper	sig	chr15_43329731
chr7	4871361	4871361	+	3.185E-16	4.7173E-15	-0.26753	hypo	sig	chr7_4871361
chr5	1827570	1827570	+	3.186E-16	4.7187E-15	-0.21555	hypo	sig	chr5_1827570
chr20	2403715	2403715	+	3.188E-16	4.7205E-15	-0.22878	hypo	sig	chr20_2403715
chr13	20223554	20223554	+	3.188E-16	4.7208E-15	-0.24591	hypo	sig	chr13_20223554
chr1	23370871	23370871	+	3.188E-16	4.7212E-15	0.21969	hyper	sig	chr1_23370871
chr7	1.5E+08	149768332	+	3.189E-16	4.722E-15	-0.28177	hypo	sig	chr7_149768332
chr4	1.85E+08	185004931	+	3.192E-16	4.7266E-15	0.228588	hyper	sig	chr4_185004931
chr15	82681107	82681107	+	3.192E-16	4.7266E-15	0.279699	hyper	sig	chr15_82681107
chr5	5883871	5883871	+	3.193E-16	4.7277E-15	-0.2957	hypo	sig	chr5_5883871
chr8	53877191	53877191	+	3.195E-16	4.7303E-15	0.410335	hyper	sig	chr8_53877191
chr16	761073	761073	+	3.196E-16	4.7325E-15	-0.26909	hypo	sig	chr16_761073
chr16	68642521	68642521	+	3.198E-16	4.7343E-15	0.338962	hyper	sig	chr16_68642521
chr2	2.38E+08	238439736	+	3.198E-16	4.7344E-15	-0.26317	hypo	sig	chr2_238439736
chr16	86565205	86565205	+	3.198E-16	4.7346E-15	0.211324	hyper	sig	chr16_86565205
chr5	1.41E+08	140870885	+	3.199E-16	4.7357E-15	0.259067	hyper	sig	chr5_140870885
chr1	2.02E+08	202010615	+	3.202E-16	4.7405E-15	-0.26513	hypo	sig	chr1_202010615
chr22	50044957	50044957	+	3.204E-16	4.7439E-15	-0.33694	hypo	sig	chr22_50044957
chr15	1.01E+08	100849144	+	3.207E-16	4.7478E-15	0.223208	hyper	sig	chr15_100849144
chr17	43324454	43324454	+	3.207E-16	4.7479E-15	-0.30473	hypo	sig	chr17_43324454
chr2	1.27E+08	126656784	+	3.208E-16	4.7483E-15	0.25287	hyper	sig	chr2_126656784
chr16	67170122	67170122	+	3.209E-16	4.7503E-15	0.237834	hyper	sig	chr16_67170122
chr19	46413528	46413528	+	3.21E-16	4.7515E-15	0.225259	hyper	sig	chr19_46413528
chr19	728135	728135	+	3.212E-16	4.7549E-15	-0.26537	hypo	sig	chr19_728135
chr17	36464884	36464884	+	3.213E-16	4.7567E-15	0.357308	hyper	sig	chr17_36464884
chr15	32721771	32721771	+	3.214E-16	4.7574E-15	0.201886	hyper	sig	chr15_32721771
chr5	1.41E+08	141409805	+	3.216E-16	4.7603E-15	0.285604	hyper	sig	chr5_141409805
chr7	1.5E+08	149715669	+	3.218E-16	4.7628E-15	0.263206	hyper	sig	chr7_149715669
chr20	40690400	40690400	+	3.219E-16	4.7648E-15	0.219583	hyper	sig	chr20_40690400
chr4	1.9E+08	190017906	+	3.221E-16	4.7666E-15	0.281402	hyper	sig	chr4_190017906
chr12	65729534	65729534	+	3.221E-16	4.7667E-15	0.274828	hyper	sig	chr12_65729534
chr19	18008203	18008203	+	3.221E-16	4.7671E-15	0.211469	hyper	sig	chr19_18008203
chr9	37938707	37938707	+	3.221E-16	4.7671E-15	0.289125	hyper	sig	chr9_37938707
chr17	81554063	81554063	+	3.222E-16	4.7677E-15	-0.21416	hypo	sig	chr17_81554063
chr17	44384939	44384939	+	3.222E-16	4.7681E-15	0.316476	hyper	sig	chr17_44384939
chr5	38846373	38846373	+	3.224E-16	4.7716E-15	0.207506	hyper	sig	chr5_38846373
chr7	1331025	1331025	+	3.224E-16	4.7716E-15	0.225761	hyper	sig	chr7_1331025
chr5	1.7E+08	169637658	+	3.225E-16	4.7723E-15	0.290197	hyper	sig	chr5_169637658

chr4	3373103	3373103	+	3.225E-16	4.7727E-15	-0.2544	hypo	sig	chr4_3373103
chr15	96413840	96413840	+	3.226E-16	4.774E-15	0.24643	hyper	sig	chr15_96413840
chr17	63968201	63968201	+	3.226E-16	4.7741E-15	-0.22133	hypo	sig	chr17_63968201
chr10	1.17E+08	117133026	+	3.226E-16	4.7743E-15	0.204673	hyper	sig	chr10_117133026
chr11	69867853	69867853	+	3.228E-16	4.7767E-15	-0.21969	hypo	sig	chr11_69867853
chr7	73707453	73707453	+	3.23E-16	4.7789E-15	-0.2839	hypo	sig	chr7_73707453
chr13	43968756	43968756	+	3.23E-16	4.78E-15	-0.23592	hypo	sig	chr13_43968756
chr6	42100367	42100367	+	3.232E-16	4.7818E-15	-0.24852	hypo	sig	chr6_42100367
chr14	56799115	56799115	+	3.234E-16	4.7852E-15	0.313231	hyper	sig	chr14_56799115
chr2	86790944	86790944	+	3.242E-16	4.7962E-15	0.287696	hyper	sig	chr2_86790944
chr1	2.08E+08	207823637	+	3.245E-16	4.801E-15	0.303956	hyper	sig	chr1_207823637
chr16	75206627	75206627	+	3.249E-16	4.8063E-15	-0.27967	hypo	sig	chr16_75206627
chr11	65642390	65642390	+	3.249E-16	4.8066E-15	0.336968	hyper	sig	chr11_65642390
chr8	68332204	68332204	+	3.252E-16	4.8111E-15	0.319846	hyper	sig	chr8_68332204
chr7	1231018	1231018	+	3.255E-16	4.8149E-15	0.295671	hyper	sig	chr7_1231018
chr9	33524595	33524595	+	3.261E-16	4.8235E-15	0.2049	hyper	sig	chr9_33524595
chr22	48503532	48503532	+	3.262E-16	4.8245E-15	-0.31461	hypo	sig	chr22_48503532
chr1	90834729	90834729	+	3.269E-16	4.8359E-15	0.283497	hyper	sig	chr1_90834729
chr13	1.13E+08	112995913	+	3.272E-16	4.84E-15	-0.26558	hypo	sig	chr13_112995913
chr3	46577154	46577154	+	3.274E-16	4.842E-15	0.33467	hyper	sig	chr3_46577154
chr17	30559056	30559056	+	3.274E-16	4.8425E-15	-0.25553	hypo	sig	chr17_30559056
chr10	1.33E+08	132942453	+	3.275E-16	4.8434E-15	0.21454	hyper	sig	chr10_132942453
chr17	44915380	44915380	+	3.276E-16	4.8444E-15	-0.31723	hypo	sig	chr17_44915380
chr7	27201660	27201660	+	3.276E-16	4.8455E-15	-0.22836	hypo	sig	chr7_27201660
chr11	1.23E+08	122978275	+	3.279E-16	4.8492E-15	0.266864	hyper	sig	chr11_122978275
chr1	22121880	22121880	+	3.28E-16	4.8505E-15	0.21739	hyper	sig	chr1_22121880
chr5	851735	851735	+	3.282E-16	4.8533E-15	-0.27802	hypo	sig	chr5_851735
chr6	391379	391379	+	3.283E-16	4.8547E-15	0.275365	hyper	sig	chr6_391379
chr12	48184414	48184414	+	3.287E-16	4.8604E-15	0.204091	hyper	sig	chr12_48184414
chr1	90725398	90725398	+	3.292E-16	4.868E-15	0.282071	hyper	sig	chr1_90725398
chr10	490336	490336	+	3.295E-16	4.8727E-15	0.225663	hyper	sig	chr10_490336
chr11	85934736	85934736	+	3.297E-16	4.875E-15	0.334151	hyper	sig	chr11_85934736
chr16	88100795	88100795	+	3.297E-16	4.8754E-15	0.289817	hyper	sig	chr16_88100795
chr6	31728858	31728858	+	3.298E-16	4.8759E-15	0.28796	hyper	sig	chr6_31728858
chr1	41664250	41664250	+	3.298E-16	4.876E-15	-0.29455	hypo	sig	chr1_41664250
chr11	30584648	30584648	+	3.299E-16	4.8779E-15	0.264156	hyper	sig	chr11_30584648
chr17	83075703	83075703	+	3.302E-16	4.8826E-15	-0.31451	hypo	sig	chr17_83075703
chr1	10649128	10649128	+	3.309E-16	4.8926E-15	0.225464	hyper	sig	chr1_10649128
chr6	1.09E+08	108946156	+	3.309E-16	4.8926E-15	0.300932	hyper	sig	chr6_108946156
chr13	24938654	24938654	+	3.31E-16	4.8927E-15	-0.25686	hypo	sig	chr13_24938654
chr6	1.69E+08	168887192	+	3.31E-16	4.8933E-15	-0.25654	hypo	sig	chr6_168887192
chr10	22477214	22477214	+	3.311E-16	4.8954E-15	0.27171	hyper	sig	chr10_22477214
chr9	1.37E+08	137022540	+	3.312E-16	4.8965E-15	-0.26827	hypo	sig	chr9_137022540
chr5	73444835	73444835	+	3.316E-16	4.9022E-15	0.269163	hyper	sig	chr5_73444835
chr6	28989076	28989076	+	3.318E-16	4.9053E-15	0.230798	hyper	sig	chr6_28989076
chr15	37097278	37097278	+	3.323E-16	4.9116E-15	0.269058	hyper	sig	chr15_37097278
chr5	1.41E+08	141394466	+	3.323E-16	4.9126E-15	0.328176	hyper	sig	chr5_141394466
chr5	1.41E+08	141432028	+	3.324E-16	4.9132E-15	0.263559	hyper	sig	chr5_141432028
chr2	2.4E+08	240351027	+	3.33E-16	4.9221E-15	0.291164	hyper	sig	chr2_240351027
chr13	1.11E+08	111052049	+	3.333E-16	4.9261E-15	-0.23511	hypo	sig	chr13_111052049
chr4	5890623	5890623	+	3.335E-16	4.9292E-15	0.311596	hyper	sig	chr4_5890623
chr11	1.13E+08	112962262	+	3.335E-16	4.9293E-15	0.231578	hyper	sig	chr11_112962262
chr16	87603067	87603067	+	3.335E-16	4.9295E-15	0.226154	hyper	sig	chr16_87603067
chr9	1.37E+08	136994722	+	3.335E-16	4.9295E-15	0.302556	hyper	sig	chr9_136994722
chr12	53960863	53960863	+	3.336E-16	4.9306E-15	0.241418	hyper	sig	chr12_53960863
chr7	1.34E+08	134458294	+	3.337E-16	4.9312E-15	0.289633	hyper	sig	chr7_134458294

chr7	1.58E+08	157856007	+	3.341E-16	4.9376E-15	0.227274	hyper	sig	chr7_157856007
chr19	36152638	36152638	+	3.342E-16	4.9386E-15	0.31348	hyper	sig	chr19_36152638
chr1	47439834	47439834	+	3.342E-16	4.9388E-15	0.298243	hyper	sig	chr1_47439834
chr7	1235930	1235930	+	3.342E-16	4.9388E-15	0.355444	hyper	sig	chr7_1235930
chr1	53276727	53276727	+	3.343E-16	4.9393E-15	0.235198	hyper	sig	chr1_53276727
chr5	38557427	38557427	+	3.346E-16	4.9438E-15	0.21029	hyper	sig	chr5_38557427
chr21	33020114	33020114	+	3.347E-16	4.945E-15	0.241409	hyper	sig	chr21_33020114
chr8	1.38E+08	137755417	+	3.347E-16	4.9461E-15	-0.2092	hypo	sig	chr8_137755417
chr16	3035866	3035866	+	3.349E-16	4.9479E-15	0.245173	hyper	sig	chr16_3035866
chr1	2.21E+08	220877410	+	3.351E-16	4.9506E-15	0.259642	hyper	sig	chr1_220877410
chr5	15500667	15500667	+	3.352E-16	4.953E-15	0.213774	hyper	sig	chr5_15500667
chr9	74498175	74498175	+	3.354E-16	4.9551E-15	0.289413	hyper	sig	chr9_74498175
chr11	2161343	2161343	+	3.354E-16	4.9553E-15	-0.26914	hypo	sig	chr11_2161343
chr11	66864022	66864022	+	3.355E-16	4.9572E-15	-0.26362	hypo	sig	chr11_66864022
chr16	1129546	1129546	+	3.356E-16	4.9584E-15	-0.25119	hypo	sig	chr16_1129546
chr10	1.01E+08	101236487	+	3.357E-16	4.9591E-15	0.223625	hyper	sig	chr10_101236487
chr7	1.58E+08	157675390	+	3.357E-16	4.9591E-15	-0.21999	hypo	sig	chr7_157675390
chr6	1.69E+08	169237528	+	3.359E-16	4.9614E-15	-0.29819	hypo	sig	chr6_169237528
chr17	43543595	43543595	+	3.359E-16	4.9624E-15	-0.34948	hypo	sig	chr17_43543595
chr4	4862380	4862380	+	3.359E-16	4.9624E-15	0.316348	hyper	sig	chr4_4862380
chr17	4969213	4969213	+	3.36E-16	4.9631E-15	0.240755	hyper	sig	chr17_4969213
chr9	1.37E+08	136656826	+	3.366E-16	4.9725E-15	-0.31188	hypo	sig	chr9_136656826
chr6	98848453	98848453	+	3.367E-16	4.9739E-15	0.25702	hyper	sig	chr6_98848453
chr21	44353452	44353452	+	3.369E-16	4.9759E-15	-0.24758	hypo	sig	chr21_44353452
chr1	1.57E+08	156845475	+	3.372E-16	4.9805E-15	0.250988	hyper	sig	chr1_156845475
chr1	1.53E+08	152579699	+	3.372E-16	4.9807E-15	-0.21594	hypo	sig	chr1_152579699
chr11	1.23E+08	122981529	+	3.373E-16	4.9814E-15	0.362146	hyper	sig	chr11_122981529
chr11	69014628	69014628	+	3.375E-16	4.9841E-15	0.226413	hyper	sig	chr11_69014628
chr1	2.48E+08	247518100	+	3.375E-16	4.985E-15	0.284072	hyper	sig	chr1_247518100
chr16	1963057	1963057	+	3.376E-16	4.9856E-15	-0.25716	hypo	sig	chr16_1963057
chr5	1.41E+08	141215500	+	3.381E-16	4.9931E-15	0.285656	hyper	sig	chr5_141215500
chr6	32837771	32837771	+	3.381E-16	4.9936E-15	-0.30679	hypo	sig	chr6_32837771
chr11	31799807	31799807	+	3.381E-16	4.9937E-15	0.266627	hyper	sig	chr11_31799807
chr1	90834633	90834633	+	3.384E-16	4.9971E-15	0.260033	hyper	sig	chr1_90834633
chr3	19946170	19946170	+	3.385E-16	4.9985E-15	-0.23918	hypo	sig	chr3_19946170
chr2	1.82E+08	181685165	+	3.387E-16	5.0016E-15	0.217828	hyper	sig	chr2_181685165
chr5	1.76E+08	175681426	+	3.388E-16	5.0026E-15	-0.27199	hypo	sig	chr5_175681426
chr19	58397083	58397083	+	3.388E-16	5.0034E-15	0.237421	hyper	sig	chr19_58397083
chr17	78316350	78316350	+	3.39E-16	5.0061E-15	-0.25572	hypo	sig	chr17_78316350
chr12	1.31E+08	131494600	+	3.393E-16	5.0096E-15	-0.27898	hypo	sig	chr12_131494600
chr15	34796127	34796127	+	3.395E-16	5.0124E-15	-0.23492	hypo	sig	chr15_34796127
chr15	91854968	91854968	+	3.395E-16	5.0124E-15	-0.25005	hypo	sig	chr15_91854968
chr2	8574359	8574359	+	3.395E-16	5.0124E-15	-0.2898	hypo	sig	chr2_8574359
chr12	1797559	1797559	+	3.396E-16	5.0138E-15	-0.24538	hypo	sig	chr12_1797559
chr15	77028455	77028455	+	3.396E-16	5.0144E-15	0.398148	hyper	sig	chr15_77028455
chr19	35866798	35866798	+	3.397E-16	5.0146E-15	-0.34461	hypo	sig	chr19_35866798
chr6	35787832	35787832	+	3.399E-16	5.0183E-15	-0.27658	hypo	sig	chr6_35787832
chr5	1.41E+08	141156082	+	3.4E-16	5.0191E-15	0.368829	hyper	sig	chr5_141156082
chr6	42971291	42971291	+	3.402E-16	5.0225E-15	-0.22476	hypo	sig	chr6_42971291
chr5	1.46E+08	146339354	+	3.403E-16	5.023E-15	0.314434	hyper	sig	chr5_146339354
chr11	65607561	65607561	+	3.403E-16	5.0231E-15	0.245422	hyper	sig	chr11_65607561
chr20	45304300	45304300	+	3.403E-16	5.0235E-15	0.297811	hyper	sig	chr20_45304300
chr9	98709709	98709709	+	3.404E-16	5.0254E-15	0.314704	hyper	sig	chr9_98709709
chr4	1.54E+08	153781716	+	3.407E-16	5.029E-15	-0.26228	hypo	sig	chr4_153781716
chr12	1.33E+08	132606605	+	3.41E-16	5.0331E-15	-0.22573	hypo	sig	chr12_132606605
chr3	1.25E+08	125141842	+	3.41E-16	5.0331E-15	0.342324	hyper	sig	chr3_125141842

chr6	10419029	10419029	+	3.41E-16	5.0331E-15	0.331901	hyper	sig	chr6_10419029
chr6	13860355	13860355	+	3.413E-16	5.0382E-15	0.262406	hyper	sig	chr6_13860355
chr9	22005569	22005569	+	3.414E-16	5.0391E-15	0.261334	hyper	sig	chr9_22005569
chr17	19534908	19534908	+	3.414E-16	5.0392E-15	-0.23357	hypo	sig	chr17_19534908
chr13	26049531	26049531	+	3.415E-16	5.0402E-15	0.268198	hyper	sig	chr13_26049531
chr2	5696234	5696234	+	3.416E-16	5.0415E-15	0.337391	hyper	sig	chr2_5696234
chr17	17063579	17063579	+	3.422E-16	5.0502E-15	-0.31436	hypo	sig	chr17_17063579
chr16	88110367	88110367	+	3.427E-16	5.0578E-15	0.278146	hyper	sig	chr16_88110367
chr16	8721586	8721586	+	3.428E-16	5.0594E-15	-0.29734	hypo	sig	chr16_8721586
chr13	87677503	87677503	+	3.434E-16	5.0667E-15	0.333217	hyper	sig	chr13_87677503
chr1	18631555	18631555	+	3.434E-16	5.0671E-15	0.230096	hyper	sig	chr1_18631555
chr19	45640986	45640986	+	3.436E-16	5.0707E-15	-0.3628	hypo	sig	chr19_45640986
chr15	82681052	82681052	+	3.438E-16	5.0727E-15	0.321663	hyper	sig	chr15_82681052
chr20	44247005	44247005	+	3.439E-16	5.0743E-15	0.258658	hyper	sig	chr20_44247005
chr2	1.06E+08	106342977	+	3.444E-16	5.0816E-15	-0.30673	hypo	sig	chr2_106342977
chr11	364813	364813	+	3.444E-16	5.0818E-15	-0.29278	hypo	sig	chr11_364813
chr4	6727194	6727194	+	3.445E-16	5.083E-15	0.242197	hyper	sig	chr4_6727194
chr6	34028803	34028803	+	3.448E-16	5.0871E-15	-0.22402	hypo	sig	chr6_34028803
chr4	6323286	6323286	+	3.449E-16	5.0884E-15	-0.32588	hypo	sig	chr4_6323286
chr16	2082323	2082323	+	3.451E-16	5.0908E-15	0.292201	hyper	sig	chr16_2082323
chr17	19745533	19745533	+	3.451E-16	5.0916E-15	-0.24673	hypo	sig	chr17_19745533
chr8	1.41E+08	141300597	+	3.451E-16	5.0916E-15	-0.28524	hypo	sig	chr8_141300597
chr21	42316972	42316972	+	3.452E-16	5.092E-15	-0.2921	hypo	sig	chr21_42316972
chr13	1.14E+08	114089723	+	3.458E-16	5.1008E-15	-0.23138	hypo	sig	chr13_114089723
chr19	55364253	55364253	+	3.461E-16	5.106E-15	-0.22925	hypo	sig	chr19_55364253
chr17	35740988	35740988	+	3.463E-16	5.1091E-15	0.243667	hyper	sig	chr17_35740988
chr8	1.44E+08	144336189	+	3.464E-16	5.1101E-15	0.288749	hyper	sig	chr8_144336189
chr19	517087	517087	+	3.466E-16	5.1127E-15	-0.20643	hypo	sig	chr19_517087
chr6	10881716	10881716	+	3.466E-16	5.1127E-15	0.244223	hyper	sig	chr6_10881716
chr13	1.11E+08	110506764	+	3.466E-16	5.1128E-15	-0.23856	hypo	sig	chr13_110506764
chr21	39866591	39866591	+	3.468E-16	5.1148E-15	-0.27856	hypo	sig	chr21_39866591
chr16	2183984	2183984	+	3.468E-16	5.1158E-15	-0.24494	hypo	sig	chr16_2183984
chr19	39308322	39308322	+	3.469E-16	5.116E-15	0.385794	hyper	sig	chr19_39308322
chr13	1.14E+08	113978100	+	3.47E-16	5.1175E-15	-0.23112	hypo	sig	chr13_113978100
chr8	64799151	64799151	+	3.474E-16	5.124E-15	0.311193	hyper	sig	chr8_64799151
chr2	1.61E+08	161417925	+	3.476E-16	5.1259E-15	0.287314	hyper	sig	chr2_161417925
chr10	1.29E+08	129032700	+	3.478E-16	5.1291E-15	0.258598	hyper	sig	chr10_129032700
chr1	2E+08	200034211	+	3.483E-16	5.1364E-15	0.265439	hyper	sig	chr1_200034211
chr10	25935092	25935092	+	3.484E-16	5.1383E-15	0.220016	hyper	sig	chr10_25935092
chr1	1.48E+08	148310071	+	3.485E-16	5.1397E-15	0.268595	hyper	sig	chr1_148310071
chr16	402587	402587	+	3.486E-16	5.1403E-15	-0.22659	hypo	sig	chr16_402587
chr1	1.75E+08	175045219	+	3.487E-16	5.1412E-15	-0.29873	hypo	sig	chr1_175045219
chr4	1.33E+08	133148223	+	3.487E-16	5.1425E-15	0.245438	hyper	sig	chr4_133148223
chr6	15504685	15504685	+	3.489E-16	5.1453E-15	0.297965	hyper	sig	chr6_15504685
chr13	52847544	52847544	+	3.49E-16	5.1459E-15	0.276793	hyper	sig	chr13_52847544
chr19	58581393	58581393	+	3.494E-16	5.152E-15	0.258169	hyper	sig	chr19_58581393
chr17	74671091	74671091	+	3.495E-16	5.1532E-15	0.223643	hyper	sig	chr17_74671091
chr18	78126759	78126759	+	3.495E-16	5.1535E-15	0.294345	hyper	sig	chr18_78126759
chr20	63689905	63689905	+	3.497E-16	5.156E-15	-0.28032	hypo	sig	chr20_63689905
chr12	34393950	34393950	+	3.501E-16	5.161E-15	-0.26738	hypo	sig	chr12_34393950
chr2	73291651	73291651	+	3.506E-16	5.1684E-15	0.265804	hyper	sig	chr2_73291651
chr7	23710121	23710121	+	3.508E-16	5.171E-15	-0.25687	hypo	sig	chr7_23710121
chr12	64390802	64390802	+	3.508E-16	5.1716E-15	0.262279	hyper	sig	chr12_64390802
chr4	1.64E+08	164383440	+	3.51E-16	5.1742E-15	0.349822	hyper	sig	chr4_164383440
chr17	8911945	8911945	+	3.512E-16	5.1768E-15	-0.20041	hypo	sig	chr17_8911945
chr13	30418766	30418766	+	3.515E-16	5.1822E-15	0.27808	hyper	sig	chr13_30418766

chr5	1.5E+08	150154993	+	3.518E-16	5.1863E-15	0.225783	hyper	sig	chr5_150154993
chr7	1.56E+08	155806822	+	3.52E-16	5.1883E-15	0.266622	hyper	sig	chr7_155806822
chr1	1.22E+08	121519804	+	3.532E-16	5.2057E-15	0.249494	hyper	sig	chr1_121519804
chr2	1E+08	100393521	+	3.534E-16	5.2084E-15	-0.20402	hypo	sig	chr2_100393521
chr16	29877372	29877372	+	3.534E-16	5.2088E-15	0.247741	hyper	sig	chr16_29877372
chr5	32713629	32713629	+	3.534E-16	5.2091E-15	0.283067	hyper	sig	chr5_32713629
chr5	26669523	26669523	+	3.535E-16	5.2096E-15	-0.32314	hypo	sig	chr5_26669523
chr17	6995862	6995862	+	3.538E-16	5.2137E-15	0.210538	hyper	sig	chr17_6995862
chr11	74731586	74731586	+	3.54E-16	5.2174E-15	0.210845	hyper	sig	chr11_74731586
chr16	2687185	2687185	+	3.541E-16	5.2186E-15	-0.2634	hypo	sig	chr16_2687185
chr13	27977008	27977008	+	3.542E-16	5.2192E-15	0.263864	hyper	sig	chr13_27977008
chr6	30127265	30127265	+	3.542E-16	5.2201E-15	0.282348	hyper	sig	chr6_30127265
chr14	77301307	77301307	+	3.543E-16	5.2212E-15	0.230209	hyper	sig	chr14_77301307
chr12	34358501	34358501	+	3.547E-16	5.2275E-15	-0.38121	hypo	sig	chr12_34358501
chr4	28116637	28116637	+	3.549E-16	5.2296E-15	-0.33002	hypo	sig	chr4_28116637
chr11	2140314	2140314	+	3.55E-16	5.2312E-15	0.280035	hyper	sig	chr11_2140314
chr6	1.08E+08	108167163	+	3.552E-16	5.2334E-15	0.25939	hyper	sig	chr6_108167163
chr7	43113568	43113568	+	3.552E-16	5.2336E-15	0.317719	hyper	sig	chr7_43113568
chr2	66433123	66433123	+	3.553E-16	5.2347E-15	0.210082	hyper	sig	chr2_66433123
chr7	27124660	27124660	+	3.56E-16	5.2452E-15	0.237785	hyper	sig	chr7_27124660
chr14	36517249	36517249	+	3.562E-16	5.2487E-15	0.299642	hyper	sig	chr14_36517249
chr1	1.61E+08	161473241	+	3.562E-16	5.2488E-15	-0.28627	hypo	sig	chr1_161473241
chr13	1.13E+08	113409424	+	3.562E-16	5.2488E-15	-0.38881	hypo	sig	chr13_113409424
chr19	17537021	17537021	+	3.563E-16	5.2501E-15	-0.27746	hypo	sig	chr19_17537021
chr11	72013223	72013223	+	3.564E-16	5.2509E-15	0.262242	hyper	sig	chr11_72013223
chr16	34162968	34162968	+	3.564E-16	5.251E-15	0.267137	hyper	sig	chr16_34162968
chr7	1.58E+08	158317393	+	3.568E-16	5.2566E-15	0.256699	hyper	sig	chr7_158317393
chr1	3203952	3203952	+	3.568E-16	5.2567E-15	-0.24906	hypo	sig	chr1_3203952
chr10	1.32E+08	132231985	+	3.568E-16	5.2567E-15	-0.23717	hypo	sig	chr10_132231985
chr10	1.33E+08	132990247	+	3.568E-16	5.2568E-15	-0.21446	hypo	sig	chr10_132990247
chr5	5139504	5139504	+	3.569E-16	5.2574E-15	0.2758	hyper	sig	chr5_5139504
chr19	16283746	16283746	+	3.575E-16	5.2666E-15	0.225291	hyper	sig	chr19_16283746
chr3	1.5E+08	149657298	+	3.577E-16	5.2689E-15	0.221312	hyper	sig	chr3_149657298
chr17	79803329	79803329	+	3.577E-16	5.2697E-15	0.206178	hyper	sig	chr17_79803329
chr6	1.61E+08	161154449	+	3.581E-16	5.2748E-15	-0.32324	hypo	sig	chr6_161154449
chr15	76341995	76341995	+	3.581E-16	5.2756E-15	-0.26631	hypo	sig	chr15_76341995
chr8	1.44E+08	143940869	+	3.582E-16	5.2763E-15	-0.2431	hypo	sig	chr8_143940869
chr7	1.41E+08	140552020	+	3.582E-16	5.2765E-15	0.225341	hyper	sig	chr7_140552020
chr6	1.06E+08	105981254	+	3.583E-16	5.2769E-15	0.265837	hyper	sig	chr6_105981254
chr1	99005077	99005077	+	3.587E-16	5.2829E-15	0.235165	hyper	sig	chr1_99005077
chr1	24535268	24535268	+	3.589E-16	5.2858E-15	-0.2396	hypo	sig	chr1_24535268
chr2	1.75E+08	174717227	+	3.589E-16	5.2858E-15	-0.26898	hypo	sig	chr2_174717227
chr3	51707270	51707270	+	3.59E-16	5.2868E-15	0.229725	hyper	sig	chr3_51707270
chr11	79439278	79439278	+	3.591E-16	5.2892E-15	0.274754	hyper	sig	chr11_79439278
chr1	13584272	13584272	+	3.593E-16	5.291E-15	0.300108	hyper	sig	chr1_13584272
chr8	1.41E+08	141169809	+	3.598E-16	5.2985E-15	0.203644	hyper	sig	chr8_141169809
chr15	24101902	24101902	+	3.599E-16	5.3006E-15	0.241704	hyper	sig	chr15_24101902
chr12	6620428	6620428	+	3.601E-16	5.3028E-15	0.284177	hyper	sig	chr12_6620428
chr8	41665433	41665433	+	3.601E-16	5.3028E-15	-0.27838	hypo	sig	chr8_41665433
chr21	46284295	46284295	+	3.601E-16	5.3034E-15	-0.29862	hypo	sig	chr21_46284295
chr10	84353541	84353541	+	3.604E-16	5.3061E-15	-0.23193	hypo	sig	chr10_84353541
chr2	1.21E+08	120983567	+	3.603E-16	5.3061E-15	-0.24001	hypo	sig	chr2_120983567
chr5	3103598	3103598	+	3.603E-16	5.3061E-15	0.287539	hyper	sig	chr5_3103598
chr7	1.58E+08	158408677	+	3.603E-16	5.3061E-15	-0.28702	hypo	sig	chr7_158408677
chr17	38924145	38924145	+	3.604E-16	5.3062E-15	-0.28324	hypo	sig	chr17_38924145
chr17	74851970	74851970	+	3.607E-16	5.3108E-15	-0.29006	hypo	sig	chr17_74851970

chr19	43699444	43699444	+	3.607E-16	5.311E-15	0.251542	hyper	sig	chr19_43699444
chr7	1101597	1101597	+	3.608E-16	5.3129E-15	0.238604	hyper	sig	chr7_1101597
chr12	7765232	7765232	+	3.611E-16	5.3162E-15	-0.22243	hypo	sig	chr12_7765232
chr3	33203602	33203602	+	3.611E-16	5.3162E-15	-0.24489	hypo	sig	chr3_33203602
chr5	1.41E+08	141193881	+	3.611E-16	5.3167E-15	0.342365	hyper	sig	chr5_141193881
chr15	52795429	52795429	+	3.612E-16	5.3172E-15	0.224442	hyper	sig	chr15_52795429
chr16	86337675	86337675	+	3.612E-16	5.3174E-15	-0.2533	hypo	sig	chr16_86337675
chr6	1.69E+08	168824783	+	3.613E-16	5.3189E-15	-0.22835	hypo	sig	chr6_168824783
chr6	32108741	32108741	+	3.614E-16	5.3209E-15	0.240638	hyper	sig	chr6_32108741
chr20	46550817	46550817	+	3.617E-16	5.325E-15	-0.29728	hypo	sig	chr20_46550817
chr2	2.13E+08	212537476	+	3.618E-16	5.3268E-15	0.206267	hyper	sig	chr2_212537476
chr7	1.22E+08	122307049	+	3.62E-16	5.3289E-15	0.267237	hyper	sig	chr7_122307049
chr5	73626975	73626975	+	3.62E-16	5.3292E-15	-0.27032	hypo	sig	chr5_73626975
chr20	20365493	20365493	+	3.621E-16	5.3306E-15	0.352942	hyper	sig	chr20_20365493
chr4	4872235	4872235	+	3.622E-16	5.3313E-15	0.311812	hyper	sig	chr4_4872235
chr13	1.13E+08	113449628	+	3.623E-16	5.3326E-15	-0.26271	hypo	sig	chr13_113449628
chr7	2734811	2734811	+	3.627E-16	5.3381E-15	0.283457	hyper	sig	chr7_2734811
chr7	1.49E+08	149415330	+	3.627E-16	5.3386E-15	0.269258	hyper	sig	chr7_149415330
chr5	1.73E+08	172769743	+	3.628E-16	5.3401E-15	0.228885	hyper	sig	chr5_172769743
chr4	2812440	2812440	+	3.63E-16	5.3425E-15	-0.28384	hypo	sig	chr4_2812440
chr11	2266613	2266613	+	3.63E-16	5.3427E-15	-0.23784	hypo	sig	chr11_2266613
chr12	6312684	6312684	+	3.63E-16	5.343E-15	-0.26167	hypo	sig	chr12_6312684
chr5	51387496	51387496	+	3.631E-16	5.3439E-15	0.27577	hyper	sig	chr5_51387496
chr3	1.07E+08	107429530	+	3.634E-16	5.3476E-15	0.251058	hyper	sig	chr3_107429530
chr14	85531397	85531397	+	3.635E-16	5.3494E-15	0.27378	hyper	sig	chr14_85531397
chr12	43552195	43552195	+	3.635E-16	5.3495E-15	0.298112	hyper	sig	chr12_43552195
chr15	45116717	45116717	+	3.636E-16	5.3511E-15	0.280825	hyper	sig	chr15_45116717
chr14	1.06E+08	105598159	+	3.64E-16	5.3565E-15	-0.2295	hypo	sig	chr14_105598159
chr16	84222558	84222558	+	3.646E-16	5.3655E-15	-0.32378	hypo	sig	chr16_84222558
chr8	1.41E+08	141285128	+	3.646E-16	5.3655E-15	0.248015	hyper	sig	chr8_141285128
chr5	88889913	88889913	+	3.651E-16	5.3721E-15	0.232468	hyper	sig	chr5_88889913
chr2	85577518	85577518	+	3.653E-16	5.3757E-15	-0.24933	hypo	sig	chr2_85577518
chr8	1.2E+08	120125229	+	3.661E-16	5.3873E-15	0.256261	hyper	sig	chr8_120125229
chr1	1.44E+08	143655027	+	3.662E-16	5.388E-15	0.31201	hyper	sig	chr1_143655027
chr16	51153960	51153960	+	3.663E-16	5.3893E-15	0.29661	hyper	sig	chr16_51153960
chr4	7331693	7331693	+	3.665E-16	5.392E-15	-0.36037	hypo	sig	chr4_7331693
chr19	18650682	18650682	+	3.666E-16	5.3946E-15	0.285071	hyper	sig	chr19_18650682
chr12	1.22E+08	122061511	+	3.667E-16	5.3959E-15	0.242579	hyper	sig	chr12_122061511
chr16	3012568	3012568	+	3.675E-16	5.4074E-15	0.284519	hyper	sig	chr16_3012568
chr11	334515	334515	+	3.677E-16	5.4105E-15	-0.22638	hypo	sig	chr11_334515
chr12	81077716	81077716	+	3.68E-16	5.4136E-15	0.239183	hyper	sig	chr12_81077716
chr1	6273390	6273390	+	3.68E-16	5.4139E-15	-0.31541	hypo	sig	chr1_6273390
chr19	1223211	1223211	+	3.68E-16	5.4145E-15	0.28088	hyper	sig	chr19_1223211
chr20	62556790	62556790	+	3.681E-16	5.4147E-15	-0.27176	hypo	sig	chr20_62556790
chr9	1.34E+08	133972226	+	3.683E-16	5.4178E-15	-0.30118	hypo	sig	chr9_133972226
chr20	62063641	62063641	+	3.684E-16	5.4197E-15	0.271054	hyper	sig	chr20_62063641
chr20	40690738	40690738	+	3.693E-16	5.4326E-15	0.274801	hyper	sig	chr20_40690738
chr5	58582475	58582475	+	3.694E-16	5.4335E-15	0.23212	hyper	sig	chr5_58582475
chr2	2.42E+08	241891074	+	3.695E-16	5.4346E-15	-0.23272	hypo	sig	chr2_241891074
chr16	73152945	73152945	+	3.695E-16	5.4349E-15	-0.29924	hypo	sig	chr16_73152945
chr19	22422177	22422177	+	3.696E-16	5.4362E-15	0.294627	hyper	sig	chr19_22422177
chr17	66975772	66975772	+	3.698E-16	5.4387E-15	-0.3126	hypo	sig	chr17_66975772
chr21	45875294	45875294	+	3.709E-16	5.4546E-15	0.294369	hyper	sig	chr21_45875294
chr9	88990971	88990971	+	3.71E-16	5.4566E-15	0.263733	hyper	sig	chr9_88990971
chr7	24978946	24978946	+	3.712E-16	5.4593E-15	-0.23062	hypo	sig	chr7_24978946
chr19	15189381	15189381	+	3.712E-16	5.4594E-15	-0.26871	hypo	sig	chr19_15189381

chr7	1.55E+08	154915302	+	3.713E-16	5.4599E-15	-0.32833	hypo	sig	chr7_154915302
chr10	1.01E+08	100655556	+	3.716E-16	5.4644E-15	0.25469	hyper	sig	chr10_100655556
chr2	2.38E+08	238494578	+	3.726E-16	5.4783E-15	-0.29246	hypo	sig	chr2_238494578
chr1	53606797	53606797	+	3.726E-16	5.4791E-15	-0.28303	hypo	sig	chr1_53606797
chr8	1.43E+08	142787815	+	3.727E-16	5.4807E-15	-0.23806	hypo	sig	chr8_142787815
chr4	65668527	65668527	+	3.728E-16	5.4817E-15	0.207317	hyper	sig	chr4_65668527
chr1	1.53E+08	152881109	+	3.73E-16	5.485E-15	-0.28724	hypo	sig	chr1_152881109
chr5	1.41E+08	140848923	+	3.735E-16	5.491E-15	0.320518	hyper	sig	chr5_140848923
chr16	86498214	86498214	+	3.737E-16	5.4939E-15	0.207985	hyper	sig	chr16_86498214
chr3	37994016	37994016	+	3.739E-16	5.498E-15	0.291983	hyper	sig	chr3_37994016
chr2	1.05E+08	105243349	+	3.741E-16	5.5007E-15	-0.20742	hypo	sig	chr2_105243349
chr11	1.29E+08	128693069	+	3.747E-16	5.5085E-15	0.235387	hyper	sig	chr11_128693069
chr16	89032002	89032002	+	3.747E-16	5.509E-15	-0.31074	hypo	sig	chr16_89032002
chr5	77639255	77639255	+	3.749E-16	5.5115E-15	0.27963	hyper	sig	chr5_77639255
chr2	30230933	30230933	+	3.753E-16	5.5172E-15	0.404083	hyper	sig	chr2_30230933
chr8	1.04E+08	104466484	+	3.753E-16	5.5172E-15	0.314245	hyper	sig	chr8_104466484
chr5	23691266	23691266	+	3.754E-16	5.5182E-15	-0.29206	hypo	sig	chr5_23691266
chr16	51156189	51156189	+	3.755E-16	5.5202E-15	0.256615	hyper	sig	chr16_51156189
chr1	27318565	27318565	+	3.756E-16	5.5206E-15	0.313268	hyper	sig	chr1_27318565
chr7	4172375	4172375	+	3.756E-16	5.5211E-15	-0.31595	hypo	sig	chr7_4172375
chr6	1.67E+08	167396555	+	3.756E-16	5.5212E-15	-0.24024	hypo	sig	chr6_167396555
chr17	81536247	81536247	+	3.757E-16	5.5218E-15	-0.27093	hypo	sig	chr17_81536247
chr16	1533898	1533898	+	3.761E-16	5.5274E-15	0.228873	hyper	sig	chr16_1533898
chr2	74549738	74549738	+	3.768E-16	5.538E-15	-0.25982	hypo	sig	chr2_74549738
chr11	70826881	70826881	+	3.77E-16	5.5405E-15	0.233391	hyper	sig	chr11_70826881
chr11	626678	626678	+	3.77E-16	5.5406E-15	0.267742	hyper	sig	chr11_626678
chr2	1.76E+08	176114561	+	3.775E-16	5.5482E-15	-0.26067	hypo	sig	chr2_176114561
chr7	1747569	1747569	+	3.775E-16	5.5482E-15	-0.25459	hypo	sig	chr7_1747569
chr6	31728732	31728732	+	3.777E-16	5.5513E-15	0.292646	hyper	sig	chr6_31728732
chr2	1.85E+08	184597766	+	3.778E-16	5.5515E-15	0.225999	hyper	sig	chr2_184597766
chr13	99978016	99978016	+	3.778E-16	5.5526E-15	0.250843	hyper	sig	chr13_99978016
chr10	326870	326870	+	3.779E-16	5.5536E-15	0.228118	hyper	sig	chr10_326870
chr6	1.37E+08	137495344	+	3.781E-16	5.556E-15	0.246226	hyper	sig	chr6_137495344
chr19	57317737	57317737	+	3.781E-16	5.5566E-15	0.264914	hyper	sig	chr19_57317737
chr8	1.3E+08	129628939	+	3.783E-16	5.5581E-15	-0.21264	hypo	sig	chr8_129628939
chr19	57130595	57130595	+	3.786E-16	5.5627E-15	-0.23665	hypo	sig	chr19_57130595
chr7	97024555	97024555	+	3.786E-16	5.5628E-15	0.270392	hyper	sig	chr7_97024555
chr6	41248352	41248352	+	3.787E-16	5.5648E-15	-0.26676	hypo	sig	chr6_41248352
chr20	61896974	61896974	+	3.788E-16	5.5659E-15	-0.29577	hypo	sig	chr20_61896974
chr12	1.31E+08	130716146	+	3.794E-16	5.5747E-15	0.242861	hyper	sig	chr12_130716146
chr6	1.58E+08	158043843	+	3.795E-16	5.5751E-15	0.216389	hyper	sig	chr6_158043843
chr17	45407033	45407033	+	3.801E-16	5.5838E-15	-0.23631	hypo	sig	chr17_45407033
chr5	1.69E+08	169301225	+	3.802E-16	5.5854E-15	0.346222	hyper	sig	chr5_169301225
chr5	1.41E+08	141157379	+	3.802E-16	5.5857E-15	0.291613	hyper	sig	chr5_141157379
chr10	1.17E+08	117197499	+	3.803E-16	5.5874E-15	-0.28147	hypo	sig	chr10_117197499
chr2	2.42E+08	241852867	+	3.805E-16	5.5897E-15	-0.23093	hypo	sig	chr2_241852867
chr13	1.12E+08	112221152	+	3.807E-16	5.5927E-15	-0.23023	hypo	sig	chr13_112221152
chr19	10624798	10624798	+	3.808E-16	5.5936E-15	-0.26627	hypo	sig	chr19_10624798
chr15	25184261	25184261	+	3.808E-16	5.5945E-15	-0.2364	hypo	sig	chr15_25184261
chr11	69014716	69014716	+	3.811E-16	5.5982E-15	0.242974	hyper	sig	chr11_69014716
chr6	10418921	10418921	+	3.812E-16	5.599E-15	0.308169	hyper	sig	chr6_10418921
chr11	2301578	2301578	+	3.815E-16	5.604E-15	-0.23496	hypo	sig	chr11_2301578
chr7	1.56E+08	155806834	+	3.821E-16	5.6131E-15	0.261617	hyper	sig	chr7_155806834
chr15	88258187	88258187	+	3.822E-16	5.6146E-15	0.268535	hyper	sig	chr15_88258187
chr19	58045549	58045549	+	3.827E-16	5.6219E-15	-0.26265	hypo	sig	chr19_58045549
chr12	3305092	3305092	+	3.828E-16	5.6229E-15	-0.26195	hypo	sig	chr12_3305092

chr12	1.04E+08	104303625	+	3.828E-16	5.6229E-15	0.217138	hyper	sig	chr12_104303625
chr5	88889956	88889956	+	3.832E-16	5.6287E-15	0.238014	hyper	sig	chr5_88889956
chr7	1.02E+08	102299721	+	3.833E-16	5.6293E-15	-0.23234	hypo	sig	chr7_102299721
chr7	1.01E+08	100720992	+	3.834E-16	5.6306E-15	0.309075	hyper	sig	chr7_100720992
chr10	72089409	72089409	+	3.836E-16	5.634E-15	-0.25161	hypo	sig	chr10_72089409
chr2	21044077	21044077	+	3.84E-16	5.64E-15	-0.25777	hypo	sig	chr2_21044077
chr19	45553691	45553691	+	3.841E-16	5.6408E-15	0.258769	hyper	sig	chr19_45553691
chr22	31098797	31098797	+	3.842E-16	5.6417E-15	0.401018	hyper	sig	chr22_31098797
chr3	1.39E+08	138943523	+	3.842E-16	5.6417E-15	0.349126	hyper	sig	chr3_138943523
chr11	3156499	3156499	+	3.842E-16	5.6422E-15	0.227074	hyper	sig	chr11_3156499
chr10	1.32E+08	132295013	+	3.844E-16	5.6447E-15	-0.2227	hypo	sig	chr10_132295013
chr20	22586416	22586416	+	3.845E-16	5.6457E-15	0.262207	hyper	sig	chr20_22586416
chr2	75199133	75199133	+	3.847E-16	5.6495E-15	0.224667	hyper	sig	chr2_75199133
chr16	10182845	10182845	+	3.848E-16	5.6504E-15	0.322169	hyper	sig	chr16_10182845
chr6	1.5E+08	149964597	+	3.848E-16	5.6507E-15	0.211817	hyper	sig	chr6_149964597
chr11	31823982	31823982	+	3.852E-16	5.656E-15	0.265504	hyper	sig	chr11_31823982
chr17	28368417	28368417	+	3.855E-16	5.6599E-15	-0.26642	hypo	sig	chr17_28368417
chr8	1.4E+08	139704797	+	3.855E-16	5.6601E-15	0.237795	hyper	sig	chr8_139704797
chr12	41189937	41189937	+	3.856E-16	5.6623E-15	0.238436	hyper	sig	chr12_41189937
chr6	1.08E+08	108123549	+	3.86E-16	5.6667E-15	0.243301	hyper	sig	chr6_108123549
chr16	67165650	67165650	+	3.86E-16	5.6678E-15	0.351619	hyper	sig	chr16_67165650
chr16	2796004	2796004	+	3.862E-16	5.6699E-15	-0.24042	hypo	sig	chr16_2796004
chr7	923744	923744	+	3.862E-16	5.6703E-15	-0.27932	hypo	sig	chr7_923744
chr1	3012052	3012052	+	3.869E-16	5.6797E-15	0.272991	hyper	sig	chr1_3012052
chr5	1194071	1194071	+	3.87E-16	5.6815E-15	-0.32012	hypo	sig	chr5_1194071
chr17	42423790	42423790	+	3.872E-16	5.6847E-15	0.313408	hyper	sig	chr17_42423790
chr5	443965	443965	+	3.878E-16	5.6929E-15	-0.24963	hypo	sig	chr5_443965
chr20	63736350	63736350	+	3.879E-16	5.6938E-15	-0.29776	hypo	sig	chr20_63736350
chr20	61925563	61925563	+	3.879E-16	5.694E-15	-0.34444	hypo	sig	chr20_61925563
chr10	1.01E+08	101227688	+	3.88E-16	5.696E-15	0.241665	hyper	sig	chr10_101227688
chr5	1.41E+08	141344016	+	3.892E-16	5.7125E-15	0.224231	hyper	sig	chr5_141344016
chr6	1.05E+08	104953031	+	3.893E-16	5.7148E-15	0.257408	hyper	sig	chr6_104953031
chr19	57099455	57099455	+	3.897E-16	5.7198E-15	0.314765	hyper	sig	chr19_57099455
chr11	46295933	46295933	+	3.9E-16	5.7236E-15	0.310507	hyper	sig	chr11_46295933
chr5	1.81E+08	180673730	+	3.9E-16	5.7238E-15	0.339723	hyper	sig	chr5_180673730
chr12	1.21E+08	121281358	+	3.9E-16	5.7246E-15	0.203413	hyper	sig	chr12_121281358
chr5	1.41E+08	141179503	+	3.9E-16	5.7246E-15	0.350634	hyper	sig	chr5_141179503
chr8	41876108	41876108	+	3.903E-16	5.7283E-15	0.212513	hyper	sig	chr8_41876108
chr1	2.28E+08	227944224	+	3.904E-16	5.7288E-15	0.298919	hyper	sig	chr1_227944224
chr2	2.42E+08	241814832	+	3.905E-16	5.7306E-15	-0.28268	hypo	sig	chr2_241814832
chr6	15256710	15256710	+	3.905E-16	5.7306E-15	0.264646	hyper	sig	chr6_15256710
chr2	69618421	69618421	+	3.908E-16	5.7346E-15	0.34865	hyper	sig	chr2_69618421
chr9	1.35E+08	134802732	+	3.911E-16	5.7392E-15	-0.26061	hypo	sig	chr9_134802732
chr2	2.34E+08	233729021	+	3.912E-16	5.7404E-15	-0.22095	hypo	sig	chr2_233729021
chr4	3533056	3533056	+	3.914E-16	5.7429E-15	0.260191	hyper	sig	chr4_3533056
chr10	93062971	93062971	+	3.915E-16	5.7454E-15	0.200599	hyper	sig	chr10_93062971
chr21	33020097	33020097	+	3.916E-16	5.7465E-15	0.251125	hyper	sig	chr21_33020097
chr19	57583765	57583765	+	3.919E-16	5.75E-15	0.285662	hyper	sig	chr19_57583765
chr5	1.16E+08	115817138	+	3.921E-16	5.7531E-15	0.244445	hyper	sig	chr5_115817138
chr2	1.13E+08	113275877	+	3.924E-16	5.7571E-15	0.244148	hyper	sig	chr2_113275877
chr3	1.38E+08	137771635	+	3.926E-16	5.7595E-15	0.260095	hyper	sig	chr3_137771635
chr17	56597787	56597787	+	3.927E-16	5.7622E-15	0.223929	hyper	sig	chr17_56597787
chr9	93952901	93952901	+	3.93E-16	5.7664E-15	0.284975	hyper	sig	chr9_93952901
chr12	42145687	42145687	+	3.935E-16	5.7724E-15	-0.24748	hypo	sig	chr12_42145687
chr17	73262846	73262846	+	3.935E-16	5.7725E-15	-0.23178	hypo	sig	chr17_73262846
chr17	76538465	76538465	+	3.936E-16	5.775E-15	0.316605	hyper	sig	chr17_76538465

chr12	1.3E+08	130018064	+	3.937E-16	5.7753E-15	0.24644	hyper	sig	chr12_130018064
chr12	1.31E+08	131133487	+	3.938E-16	5.7771E-15	-0.26322	hypo	sig	chr12_131133487
chr19	12513865	12513865	+	3.939E-16	5.7777E-15	0.267477	hyper	sig	chr19_12513865
chr16	88186703	88186703	+	3.94E-16	5.7791E-15	0.282874	hyper	sig	chr16_88186703
chr17	77960424	77960424	+	3.941E-16	5.781E-15	0.270455	hyper	sig	chr17_77960424
chr2	2.08E+08	207771672	+	3.942E-16	5.7823E-15	-0.2182	hypo	sig	chr2_207771672
chr3	1.82E+08	181710756	+	3.942E-16	5.7826E-15	0.278194	hyper	sig	chr3_181710756
chr11	69099293	69099293	+	3.946E-16	5.7876E-15	-0.286	hypo	sig	chr11_69099293
chr11	1.21E+08	121359056	+	3.946E-16	5.7886E-15	-0.23949	hypo	sig	chr11_121359056
chr2	68319935	68319935	+	3.948E-16	5.7906E-15	0.264707	hyper	sig	chr2_68319935
chr1	1.61E+08	161079739	+	3.95E-16	5.7928E-15	0.26872	hyper	sig	chr1_161079739
chr14	99118387	99118387	+	3.95E-16	5.794E-15	0.217072	hyper	sig	chr14_99118387
chr2	2.19E+08	219448700	+	3.952E-16	5.7963E-15	0.304933	hyper	sig	chr2_219448700
chr9	1.33E+08	133328681	+	3.956E-16	5.8014E-15	-0.20363	hypo	sig	chr9_133328681
chr9	33814426	33814426	+	3.956E-16	5.8017E-15	-0.30081	hypo	sig	chr9_33814426
chr2	1.3E+08	130006049	+	3.959E-16	5.806E-15	0.242981	hyper	sig	chr2_130006049
chr11	79439275	79439275	+	3.96E-16	5.8079E-15	0.271656	hyper	sig	chr11_79439275
chr2	1665131	1665131	+	3.965E-16	5.8139E-15	-0.23268	hypo	sig	chr2_1665131
chr4	41748345	41748345	+	3.965E-16	5.8148E-15	0.25809	hyper	sig	chr4_41748345
chr14	60511399	60511399	+	3.967E-16	5.817E-15	0.289518	hyper	sig	chr14_60511399
chr11	31799765	31799765	+	3.968E-16	5.818E-15	0.271472	hyper	sig	chr11_31799765
chr16	89834153	89834153	+	3.972E-16	5.8239E-15	-0.22901	hypo	sig	chr16_89834153
chr8	8325011	8325011	+	3.973E-16	5.8259E-15	0.233055	hyper	sig	chr8_8325011
chr4	1.86E+08	185514334	+	3.979E-16	5.8336E-15	-0.22591	hypo	sig	chr4_185514334
chr2	1.81E+08	181458175	+	3.979E-16	5.834E-15	0.237781	hyper	sig	chr2_181458175
chr13	94712388	94712388	+	3.994E-16	5.8558E-15	0.232517	hyper	sig	chr13_94712388
chr22	48334665	48334665	+	3.995E-16	5.8577E-15	-0.24115	hypo	sig	chr22_48334665
chr19	58367717	58367717	+	4.005E-16	5.8712E-15	0.277691	hyper	sig	chr19_58367717
chr2	2.38E+08	237958739	+	4.006E-16	5.8728E-15	-0.28145	hypo	sig	chr2_237958739
chr3	50237896	50237896	+	4.006E-16	5.8731E-15	0.233116	hyper	sig	chr3_50237896
chr22	22244716	22244716	+	4.009E-16	5.8771E-15	-0.23475	hypo	sig	chr22_22244716
chr15	90212858	90212858	+	4.015E-16	5.8859E-15	-0.22187	hypo	sig	chr15_90212858
chr12	1.31E+08	131088987	+	4.02E-16	5.8923E-15	-0.2549	hypo	sig	chr12_131088987
chr16	1962873	1962873	+	4.02E-16	5.893E-15	-0.21409	hypo	sig	chr16_1962873
chr20	62220911	62220911	+	4.021E-16	5.8935E-15	0.286697	hyper	sig	chr20_62220911
chr21	36691949	36691949	+	4.021E-16	5.8942E-15	0.213102	hyper	sig	chr21_36691949
chr4	1305354	1305354	+	4.025E-16	5.8992E-15	-0.21315	hypo	sig	chr4_1305354
chr1	2.35E+08	234722009	+	4.026E-16	5.9007E-15	0.303385	hyper	sig	chr1_234722009
chr6	1.34E+08	133896444	+	4.028E-16	5.9038E-15	-0.21382	hypo	sig	chr6_133896444
chr7	1.59E+08	159143868	+	4.031E-16	5.9081E-15	0.281154	hyper	sig	chr7_159143868
chr19	6199354	6199354	+	4.032E-16	5.9103E-15	0.214437	hyper	sig	chr19_6199354
chr3	62369768	62369768	+	4.034E-16	5.9121E-15	0.31376	hyper	sig	chr3_62369768
chr3	64268032	64268032	+	4.034E-16	5.9121E-15	0.289126	hyper	sig	chr3_64268032
chr19	40224499	40224499	+	4.034E-16	5.9127E-15	-0.3603	hypo	sig	chr19_40224499
chr2	11495942	11495942	+	4.036E-16	5.9146E-15	0.258359	hyper	sig	chr2_11495942
chr10	14602206	14602206	+	4.037E-16	5.9164E-15	-0.28357	hypo	sig	chr10_14602206
chr17	1231650	1231650	+	4.037E-16	5.9165E-15	-0.2393	hypo	sig	chr17_1231650
chr19	56671648	56671648	+	4.04E-16	5.9204E-15	0.29931	hyper	sig	chr19_56671648
chr16	7304494	7304494	+	4.041E-16	5.9217E-15	0.298196	hyper	sig	chr16_7304494
chr16	89202449	89202449	+	4.041E-16	5.9217E-15	0.211643	hyper	sig	chr16_89202449
chr14	1.04E+08	104304201	+	4.042E-16	5.9236E-15	-0.26846	hypo	sig	chr14_104304201
chr4	1.69E+08	168833353	+	4.043E-16	5.9245E-15	0.225498	hyper	sig	chr4_168833353
chr6	7051271	7051271	+	4.049E-16	5.9328E-15	-0.24819	hypo	sig	chr6_7051271
chr16	86087868	86087868	+	4.054E-16	5.9401E-15	-0.26555	hypo	sig	chr16_86087868
chr16	54940010	54940010	+	4.054E-16	5.9402E-15	0.276224	hyper	sig	chr16_54940010
chr12	7666058	7666058	+	4.057E-16	5.9439E-15	-0.25938	hypo	sig	chr12_7666058

chr19	37691893	37691893	+	4.057E-16	5.9445E-15	0.295561	hyper	sig	chr19_37691893
chr12	1.31E+08	130916426	+	4.058E-16	5.9453E-15	0.203798	hyper	sig	chr12_130916426
chr17	79981298	79981298	+	4.058E-16	5.9455E-15	0.272211	hyper	sig	chr17_79981298
chr17	42563199	42563199	+	4.058E-16	5.9456E-15	-0.23484	hypo	sig	chr17_42563199
chr3	1.97E+08	197004321	+	4.06E-16	5.9479E-15	-0.25356	hypo	sig	chr3_197004321
chr12	34385763	34385763	+	4.063E-16	5.9528E-15	-0.33679	hypo	sig	chr12_34385763
chr19	40170456	40170456	+	4.063E-16	5.9529E-15	0.252506	hyper	sig	chr19_40170456
chr9	1.36E+08	135715080	+	4.064E-16	5.9534E-15	0.223829	hyper	sig	chr9_135715080
chr10	27999260	27999260	+	4.067E-16	5.9587E-15	0.265721	hyper	sig	chr10_27999260
chr10	1.33E+08	133230099	+	4.068E-16	5.9589E-15	0.257422	hyper	sig	chr10_133230099
chr1	2.28E+08	228158374	+	4.068E-16	5.959E-15	0.329361	hyper	sig	chr1_228158374
chr4	48484256	48484256	+	4.07E-16	5.9627E-15	0.229705	hyper	sig	chr4_48484256
chr17	45583515	45583515	+	4.073E-16	5.9657E-15	-0.26645	hypo	sig	chr17_45583515
chr5	1.16E+08	115962292	+	4.073E-16	5.966E-15	0.337813	hyper	sig	chr5_115962292
chr2	66445656	66445656	+	4.076E-16	5.971E-15	0.237318	hyper	sig	chr2_66445656
chr2	2.27E+08	227379256	+	4.081E-16	5.9781E-15	-0.23718	hypo	sig	chr2_227379256
chr17	78868056	78868056	+	4.083E-16	5.9801E-15	-0.23251	hypo	sig	chr17_78868056
chr10	75405267	75405267	+	4.085E-16	5.9831E-15	-0.27786	hypo	sig	chr10_75405267
chr16	27780959	27780959	+	4.085E-16	5.9835E-15	-0.22532	hypo	sig	chr16_27780959
chr3	1.38E+08	137764812	+	4.086E-16	5.9841E-15	0.203809	hyper	sig	chr3_137764812
chr8	84183430	84183430	+	4.086E-16	5.9845E-15	0.41057	hyper	sig	chr8_84183430
chr1	3391970	3391970	+	4.092E-16	5.9934E-15	0.323514	hyper	sig	chr1_3391970
chr16	4376959	4376959	+	4.097E-16	5.9994E-15	0.275371	hyper	sig	chr16_4376959
chr10	370398	370398	+	4.097E-16	5.9995E-15	0.322877	hyper	sig	chr10_370398
chr17	80510363	80510363	+	4.099E-16	6.0033E-15	-0.25379	hypo	sig	chr17_80510363
chr15	89410064	89410064	+	4.102E-16	6.0065E-15	0.258623	hyper	sig	chr15_89410064
chr7	6842506	6842506	+	4.102E-16	6.0068E-15	-0.22117	hypo	sig	chr7_6842506
chr1	2.17E+08	217139724	+	4.104E-16	6.0095E-15	0.294315	hyper	sig	chr1_217139724
chr1	1.83E+08	183416812	+	4.105E-16	6.0104E-15	0.231096	hyper	sig	chr1_183416812
chr8	1.45E+08	144904667	+	4.106E-16	6.013E-15	-0.26885	hypo	sig	chr8_144904667
chr9	1.32E+08	132239741	+	4.111E-16	6.0194E-15	-0.29537	hypo	sig	chr9_132239741
chr13	27442487	27442487	+	4.113E-16	6.0226E-15	-0.25693	hypo	sig	chr13_27442487
chr13	27976106	27976106	+	4.113E-16	6.0226E-15	0.321584	hyper	sig	chr13_27976106
chr3	14561333	14561333	+	4.115E-16	6.0256E-15	-0.23169	hypo	sig	chr3_14561333
chr6	1.06E+08	106135348	+	4.119E-16	6.0307E-15	-0.21482	hypo	sig	chr6_106135348
chr19	49473129	49473129	+	4.12E-16	6.0316E-15	-0.28521	hypo	sig	chr19_49473129
chr17	79137895	79137895	+	4.12E-16	6.0324E-15	0.256393	hyper	sig	chr17_79137895
chr7	1.57E+08	157079340	+	4.12E-16	6.0325E-15	-0.22331	hypo	sig	chr7_157079340
chr1	90727112	90727112	+	4.128E-16	6.0441E-15	0.290031	hyper	sig	chr1_90727112
chr12	1.27E+08	127280741	+	4.129E-16	6.0454E-15	0.239323	hyper	sig	chr12_127280741
chr10	1.01E+08	101218264	+	4.131E-16	6.0477E-15	0.2487	hyper	sig	chr10_101218264
chr5	1.41E+08	141399744	+	4.133E-16	6.0504E-15	0.275632	hyper	sig	chr5_141399744
chr12	1.11E+08	111287692	+	4.133E-16	6.0504E-15	-0.31438	hypo	sig	chr12_111287692
chr19	3178822	3178822	+	4.133E-16	6.0504E-15	-0.29237	hypo	sig	chr19_3178822
chr19	4559759	4559759	+	4.133E-16	6.0504E-15	-0.34294	hypo	sig	chr19_4559759
chr4	1.16E+08	115677911	+	4.135E-16	6.0522E-15	-0.36146	hypo	sig	chr4_115677911
chr11	69655008	69655008	+	4.136E-16	6.0545E-15	-0.27824	hypo	sig	chr11_69655008
chr16	29188977	29188977	+	4.138E-16	6.0571E-15	-0.23046	hypo	sig	chr16_29188977
chr16	89052604	89052604	+	4.138E-16	6.0576E-15	-0.37817	hypo	sig	chr16_89052604
chr17	81330620	81330620	+	4.139E-16	6.0587E-15	-0.2697	hypo	sig	chr17_81330620
chr3	1.91E+08	190878048	+	4.141E-16	6.0604E-15	-0.22007	hypo	sig	chr3_190878048
chr1	1.19E+08	118989605	+	4.141E-16	6.0606E-15	0.248281	hyper	sig	chr1_118989605
chr2	2.37E+08	237451553	+	4.15E-16	6.0744E-15	0.218443	hyper	sig	chr2_237451553
chr13	27970503	27970503	+	4.153E-16	6.0788E-15	0.218919	hyper	sig	chr13_27970503
chr2	2.37E+08	237387813	+	4.155E-16	6.0818E-15	-0.21465	hypo	sig	chr2_237387813
chr1	3111757	3111757	+	4.157E-16	6.0845E-15	0.289684	hyper	sig	chr1_3111757

chr16	89179323	89179323	+	4.158E-16	6.0847E-15	-0.25079	hypo	sig	chr16_89179323
chr20	63247004	63247004	+	4.158E-16	6.0851E-15	-0.24452	hypo	sig	chr20_63247004
chr6	32746050	32746050	+	4.158E-16	6.0851E-15	-0.23026	hypo	sig	chr6_32746050
chr18	12407172	12407172	+	4.158E-16	6.0855E-15	-0.25379	hypo	sig	chr18_12407172
chr17	36884736	36884736	+	4.159E-16	6.0859E-15	0.338261	hyper	sig	chr17_36884736
chr19	6498776	6498776	+	4.162E-16	6.0903E-15	-0.33187	hypo	sig	chr19_6498776
chr13	27976019	27976019	+	4.165E-16	6.095E-15	0.271744	hyper	sig	chr13_27976019
chr17	77233679	77233679	+	4.166E-16	6.0956E-15	-0.26164	hypo	sig	chr17_77233679
chr19	38975232	38975232	+	4.166E-16	6.0966E-15	0.233507	hyper	sig	chr19_38975232
chr10	1.3E+08	130013375	+	4.171E-16	6.1037E-15	0.224979	hyper	sig	chr10_130013375
chr1	1.69E+08	169460436	+	4.177E-16	6.1116E-15	0.225781	hyper	sig	chr1_169460436
chr12	81759503	81759503	+	4.177E-16	6.1116E-15	0.236543	hyper	sig	chr12_81759503
chr22	28442034	28442034	+	4.177E-16	6.1122E-15	0.228743	hyper	sig	chr22_28442034
chr20	21397516	21397516	+	4.181E-16	6.117E-15	0.255967	hyper	sig	chr20_21397516
chr7	1520828	1520828	+	4.181E-16	6.1172E-15	-0.31421	hypo	sig	chr7_1520828
chr3	48661879	48661879	+	4.182E-16	6.1179E-15	0.219267	hyper	sig	chr3_48661879
chr15	30883093	30883093	+	4.182E-16	6.119E-15	-0.25439	hypo	sig	chr15_30883093
chr4	1099824	1099824	+	4.189E-16	6.129E-15	-0.25359	hypo	sig	chr4_1099824
chr17	48571247	48571247	+	4.192E-16	6.1329E-15	0.237719	hyper	sig	chr17_48571247
chr10	68562120	68562120	+	4.193E-16	6.1341E-15	0.296062	hyper	sig	chr10_68562120
chr6	1.66E+08	166009127	+	4.196E-16	6.1385E-15	0.22012	hyper	sig	chr6_166009127
chr21	36691954	36691954	+	4.197E-16	6.1398E-15	0.235228	hyper	sig	chr21_36691954
chr1	3423345	3423345	+	4.199E-16	6.1421E-15	-0.23235	hypo	sig	chr1_3423345
chr6	30160627	30160627	+	4.2E-16	6.1429E-15	0.214036	hyper	sig	chr6_30160627
chr19	46412581	46412581	+	4.201E-16	6.1449E-15	0.242279	hyper	sig	chr19_46412581
chr9	94724785	94724785	+	4.203E-16	6.1471E-15	-0.27814	hypo	sig	chr9_94724785
chr16	86497204	86497204	+	4.205E-16	6.1503E-15	0.266631	hyper	sig	chr16_86497204
chr2	99597984	99597984	+	4.207E-16	6.1531E-15	-0.22837	hypo	sig	chr2_99597984
chr13	20177217	20177217	+	4.208E-16	6.1545E-15	0.316997	hyper	sig	chr13_20177217
chr7	1.22E+08	122306890	+	4.21E-16	6.1566E-15	0.303199	hyper	sig	chr7_122306890
chr8	1.43E+08	143155095	+	4.212E-16	6.1597E-15	-0.25904	hypo	sig	chr8_143155095
chr13	1.14E+08	114121583	+	4.222E-16	6.1738E-15	-0.35416	hypo	sig	chr13_114121583
chr13	23525264	23525264	+	4.224E-16	6.1775E-15	-0.29603	hypo	sig	chr13_23525264
chr7	1.43E+08	143384194	+	4.227E-16	6.1811E-15	0.219704	hyper	sig	chr7_143384194
chr5	1.4E+08	139710473	+	4.228E-16	6.183E-15	-0.29849	hypo	sig	chr5_139710473
chr12	1.14E+08	114400988	+	4.23E-16	6.1854E-15	0.213355	hyper	sig	chr12_114400988
chr20	25084716	25084716	+	4.231E-16	6.1865E-15	0.260563	hyper	sig	chr20_25084716
chr6	32087090	32087090	+	4.233E-16	6.1891E-15	-0.25096	hypo	sig	chr6_32087090
chr16	15143421	15143421	+	4.234E-16	6.1915E-15	0.374837	hyper	sig	chr16_15143421
chr7	1.57E+08	156999594	+	4.235E-16	6.1921E-15	-0.27403	hypo	sig	chr7_156999594
chr2	1653740	1653740	+	4.238E-16	6.197E-15	0.274698	hyper	sig	chr2_1653740
chr19	3785852	3785852	+	4.24E-16	6.1988E-15	0.272429	hyper	sig	chr19_3785852
chr1	1.56E+08	155962042	+	4.24E-16	6.199E-15	-0.32019	hypo	sig	chr1_155962042
chr8	1.08E+08	108082974	+	4.248E-16	6.2107E-15	0.304723	hyper	sig	chr8_108082974
chr6	1.7E+08	170423268	+	4.248E-16	6.2114E-15	0.257325	hyper	sig	chr6_170423268
chr14	52069408	52069408	+	4.25E-16	6.2131E-15	0.212944	hyper	sig	chr14_52069408
chr3	19946207	19946207	+	4.25E-16	6.2142E-15	-0.24381	hypo	sig	chr3_19946207
chr12	29783101	29783101	+	4.254E-16	6.2191E-15	0.350212	hyper	sig	chr12_29783101
chr21	34370911	34370911	+	4.256E-16	6.2227E-15	-0.24851	hypo	sig	chr21_34370911
chr12	52258815	52258815	+	4.259E-16	6.2257E-15	0.290535	hyper	sig	chr12_52258815
chr16	86575255	86575255	+	4.259E-16	6.2265E-15	0.273028	hyper	sig	chr16_86575255
chr10	1.33E+08	132722584	+	4.26E-16	6.2279E-15	0.251656	hyper	sig	chr10_132722584
chr2	5709942	5709942	+	4.261E-16	6.2282E-15	-0.27126	hypo	sig	chr2_5709942
chr10	1200396	1200396	+	4.266E-16	6.2355E-15	-0.31157	hypo	sig	chr10_1200396
chr1	22451354	22451354	+	4.268E-16	6.239E-15	-0.24197	hypo	sig	chr1_22451354
chr16	82632150	82632150	+	4.269E-16	6.2395E-15	-0.2393	hypo	sig	chr16_82632150

chr6	89118453	89118453	+	4.27E-16	6.2414E-15	0.20561	hyper	sig	chr6_89118453
chr7	97002487	97002487	+	4.272E-16	6.2446E-15	0.329292	hyper	sig	chr7_97002487
chr13	36130525	36130525	+	4.274E-16	6.247E-15	0.29663	hyper	sig	chr13_36130525
chr3	55490095	55490095	+	4.277E-16	6.2512E-15	-0.29397	hypo	sig	chr3_55490095
chr9	94607542	94607542	+	4.277E-16	6.2516E-15	-0.29395	hypo	sig	chr9_94607542
chr7	63100055	63100055	+	4.278E-16	6.2527E-15	-0.27486	hypo	sig	chr7_63100055
chr14	94773873	94773873	+	4.279E-16	6.2543E-15	0.316482	hyper	sig	chr14_94773873
chr4	73998609	73998609	+	4.282E-16	6.2587E-15	0.244877	hyper	sig	chr4_73998609
chr7	5287527	5287527	+	4.284E-16	6.2612E-15	-0.20009	hypo	sig	chr7_5287527
chr13	27821191	27821191	+	4.284E-16	6.2616E-15	0.335628	hyper	sig	chr13_27821191
chr4	1.47E+08	146637087	+	4.291E-16	6.2704E-15	0.326613	hyper	sig	chr4_146637087
chr2	2.19E+08	219434343	+	4.293E-16	6.273E-15	0.235341	hyper	sig	chr2_219434343
chr19	1357025	1357025	+	4.294E-16	6.2745E-15	0.234253	hyper	sig	chr19_1357025
chr14	81668975	81668975	+	4.296E-16	6.2782E-15	-0.26048	hypo	sig	chr14_81668975
chr1	1.55E+08	154609668	+	4.298E-16	6.2804E-15	-0.25739	hypo	sig	chr1_154609668
chr20	23048691	23048691	+	4.301E-16	6.2842E-15	0.259672	hyper	sig	chr20_23048691
chr12	64390770	64390770	+	4.305E-16	6.2912E-15	0.259825	hyper	sig	chr12_64390770
chr3	1.58E+08	158103796	+	4.306E-16	6.292E-15	0.250516	hyper	sig	chr3_158103796
chr19	18772991	18772991	+	4.308E-16	6.2953E-15	-0.29325	hypo	sig	chr19_18772991
chr16	81493462	81493462	+	4.309E-16	6.2956E-15	-0.24689	hypo	sig	chr16_81493462
chr3	64022671	64022671	+	4.311E-16	6.299E-15	-0.20995	hypo	sig	chr3_64022671
chr18	26547258	26547258	+	4.313E-16	6.3013E-15	0.266064	hyper	sig	chr18_26547258
chr22	43892295	43892295	+	4.313E-16	6.3015E-15	0.210143	hyper	sig	chr22_43892295
chr5	1.41E+08	141201249	+	4.319E-16	6.3104E-15	0.35105	hyper	sig	chr5_141201249
chr6	99606847	99606847	+	4.32E-16	6.3107E-15	0.216045	hyper	sig	chr6_99606847
chr19	56645695	56645695	+	4.333E-16	6.3301E-15	-0.29577	hypo	sig	chr19_56645695
chr6	36285267	36285267	+	4.333E-16	6.3301E-15	0.259035	hyper	sig	chr6_36285267
chr19	48837496	48837496	+	4.334E-16	6.3305E-15	0.307464	hyper	sig	chr19_48837496
chr3	1.38E+08	138435510	+	4.336E-16	6.3337E-15	0.29433	hyper	sig	chr3_138435510
chr2	691952	691952	+	4.337E-16	6.3357E-15	0.216113	hyper	sig	chr2_691952
chr3	1.29E+08	128557232	+	4.341E-16	6.3411E-15	-0.2704	hypo	sig	chr3_128557232
chr16	86932005	86932005	+	4.342E-16	6.3418E-15	0.327322	hyper	sig	chr16_86932005
chr7	4862114	4862114	+	4.346E-16	6.3479E-15	0.322726	hyper	sig	chr7_4862114
chr19	46468175	46468175	+	4.348E-16	6.3501E-15	-0.31565	hypo	sig	chr19_46468175
chr21	36384807	36384807	+	4.349E-16	6.3512E-15	0.23169	hyper	sig	chr21_36384807
chr9	1.27E+08	126610192	+	4.349E-16	6.3512E-15	0.224688	hyper	sig	chr9_126610192
chr6	28633642	28633642	+	4.352E-16	6.3567E-15	0.281246	hyper	sig	chr6_28633642
chr19	2252087	2252087	+	4.355E-16	6.3603E-15	0.311512	hyper	sig	chr19_2252087
chr7	56116265	56116265	+	4.356E-16	6.3616E-15	0.251003	hyper	sig	chr7_56116265
chr7	2729354	2729354	+	4.36E-16	6.3673E-15	0.250392	hyper	sig	chr7_2729354
chr16	30650213	30650213	+	4.363E-16	6.3715E-15	0.280953	hyper	sig	chr16_30650213
chr3	2099322	2099322	+	4.366E-16	6.3751E-15	0.205306	hyper	sig	chr3_2099322
chr16	73063030	73063030	+	4.369E-16	6.3803E-15	-0.2406	hypo	sig	chr16_73063030
chr15	34754967	34754967	+	4.37E-16	6.382E-15	0.221306	hyper	sig	chr15_34754967
chr17	81449252	81449252	+	4.371E-16	6.3821E-15	-0.32731	hypo	sig	chr17_81449252
chr1	1.74E+08	173669932	+	4.371E-16	6.3832E-15	0.242833	hyper	sig	chr1_173669932
chr17	32265424	32265424	+	4.373E-16	6.385E-15	0.280467	hyper	sig	chr17_32265424
chr7	189357	189357	+	4.375E-16	6.3882E-15	-0.27525	hypo	sig	chr7_189357
chr1	15156209	15156209	+	4.379E-16	6.3936E-15	0.306562	hyper	sig	chr1_15156209
chr16	3193330	3193330	+	4.381E-16	6.3958E-15	0.238744	hyper	sig	chr16_3193330
chr7	74094608	74094608	+	4.382E-16	6.397E-15	0.280443	hyper	sig	chr7_74094608
chr7	73769086	73769086	+	4.382E-16	6.3978E-15	-0.22437	hypo	sig	chr7_73769086
chr15	74124925	74124925	+	4.383E-16	6.3995E-15	-0.2967	hypo	sig	chr15_74124925
chr12	1.15E+08	114700188	+	4.386E-16	6.4036E-15	0.283553	hyper	sig	chr12_114700188
chr1	2321355	2321355	+	4.387E-16	6.404E-15	0.25183	hyper	sig	chr1_2321355
chr9	1.37E+08	136965016	+	4.388E-16	6.4053E-15	-0.22201	hypo	sig	chr9_136965016

chr13	1.11E+08	110820877	+	4.389E-16	6.4066E-15	-0.35592	hypo	sig	chr13_110820877
chr6	1.08E+08	108171102	+	4.39E-16	6.4083E-15	0.318799	hyper	sig	chr6_108171102
chr6	10881804	10881804	+	4.394E-16	6.4138E-15	0.295013	hyper	sig	chr6_10881804
chr4	54094065	54094065	+	4.395E-16	6.415E-15	0.301738	hyper	sig	chr4_54094065
chr17	82931814	82931814	+	4.398E-16	6.4198E-15	0.288882	hyper	sig	chr17_82931814
chr20	25053667	25053667	+	4.399E-16	6.4217E-15	0.227754	hyper	sig	chr20_25053667
chr6	1.69E+08	168999551	+	4.404E-16	6.4289E-15	-0.29717	hypo	sig	chr6_168999551
chr4	76420647	76420647	+	4.41E-16	6.4364E-15	0.344275	hyper	sig	chr4_76420647
chr11	2709406	2709406	+	4.412E-16	6.4392E-15	0.316872	hyper	sig	chr11_2709406
chr1	2.36E+08	236065431	+	4.412E-16	6.4399E-15	0.218619	hyper	sig	chr1_236065431
chr19	15181711	15181711	+	4.412E-16	6.4399E-15	-0.32734	hypo	sig	chr19_15181711
chr17	49994462	49994462	+	4.413E-16	6.4401E-15	0.306227	hyper	sig	chr17_49994462
chr3	1.86E+08	186361507	+	4.413E-16	6.4405E-15	0.258949	hyper	sig	chr3_186361507
chr5	1.29E+08	128537637	+	4.414E-16	6.4425E-15	0.244952	hyper	sig	chr5_128537637
chr16	1024213	1024213	+	4.416E-16	6.4445E-15	-0.25436	hypo	sig	chr16_1024213
chr15	76345931	76345931	+	4.42E-16	6.4496E-15	-0.22558	hypo	sig	chr15_76345931
chr18	2917503	2917503	+	4.42E-16	6.45E-15	-0.22033	hypo	sig	chr18_2917503
chr13	1.11E+08	110645193	+	4.424E-16	6.4555E-15	0.230846	hyper	sig	chr13_110645193
chr2	469731	469731	+	4.425E-16	6.4577E-15	-0.2148	hypo	sig	chr2_469731
chr19	48837508	48837508	+	4.427E-16	6.4602E-15	0.300578	hyper	sig	chr19_48837508
chr1	2476213	2476213	+	4.43E-16	6.4643E-15	-0.3009	hypo	sig	chr1_2476213
chr6	1.52E+08	151808627	+	4.437E-16	6.4738E-15	0.237782	hyper	sig	chr6_151808627
chr17	7651407	7651407	+	4.438E-16	6.4758E-15	0.219467	hyper	sig	chr17_7651407
chr12	38141908	38141908	+	4.439E-16	6.4777E-15	-0.31577	hypo	sig	chr12_38141908
chr3	1.58E+08	158095025	+	4.444E-16	6.4843E-15	0.32328	hyper	sig	chr3_158095025
chr2	1.68E+08	168244405	+	4.445E-16	6.4849E-15	-0.22045	hypo	sig	chr2_168244405
chr8	27480666	27480666	+	4.445E-16	6.4859E-15	0.275919	hyper	sig	chr8_27480666
chr15	63475161	63475161	+	4.447E-16	6.4883E-15	-0.26915	hypo	sig	chr15_63475161
chr4	41751029	41751029	+	4.448E-16	6.4891E-15	0.241286	hyper	sig	chr4_41751029
chr12	1.22E+08	122061341	+	4.448E-16	6.49E-15	0.230636	hyper	sig	chr12_122061341
chr7	1296495	1296495	+	4.451E-16	6.4932E-15	-0.3251	hypo	sig	chr7_1296495
chr16	3184250	3184250	+	4.451E-16	6.4937E-15	0.260472	hyper	sig	chr16_3184250
chr2	74513907	74513907	+	4.452E-16	6.4947E-15	0.241245	hyper	sig	chr2_74513907
chr1	1.46E+08	146486783	+	4.452E-16	6.4953E-15	0.233277	hyper	sig	chr1_146486783
chr5	1003877	1003877	+	4.454E-16	6.4979E-15	-0.37599	hypo	sig	chr5_1003877
chr7	1.56E+08	156320104	+	4.456E-16	6.4996E-15	-0.21465	hypo	sig	chr7_156320104
chr12	98455556	98455556	+	4.456E-16	6.5004E-15	-0.22752	hypo	sig	chr12_98455556
chr1	2.35E+08	234969870	+	4.46E-16	6.506E-15	0.244006	hyper	sig	chr1_234969870
chr4	95840666	95840666	+	4.463E-16	6.5095E-15	-0.24117	hypo	sig	chr4_95840666
chr19	57099408	57099408	+	4.464E-16	6.5111E-15	0.308393	hyper	sig	chr19_57099408
chr2	2.39E+08	239311545	+	4.465E-16	6.5129E-15	0.295283	hyper	sig	chr2_239311545
chr14	47675797	47675797	+	4.468E-16	6.5161E-15	0.225898	hyper	sig	chr14_47675797
chr5	1295684	1295684	+	4.472E-16	6.5223E-15	0.245298	hyper	sig	chr5_1295684
chr7	1.59E+08	158570053	+	4.476E-16	6.5275E-15	0.335025	hyper	sig	chr7_158570053
chr11	31806431	31806431	+	4.477E-16	6.53E-15	0.227431	hyper	sig	chr11_31806431
chr15	52794613	52794613	+	4.478E-16	6.5301E-15	0.29712	hyper	sig	chr15_52794613
chr14	75980341	75980341	+	4.484E-16	6.5399E-15	0.268484	hyper	sig	chr14_75980341
chr2	1.28E+08	127631608	+	4.486E-16	6.5427E-15	0.205778	hyper	sig	chr2_127631608
chr16	86575274	86575274	+	4.488E-16	6.5444E-15	0.221233	hyper	sig	chr16_86575274
chr17	28711843	28711843	+	4.488E-16	6.5444E-15	0.235805	hyper	sig	chr17_28711843
chr5	1.16E+08	115962247	+	4.488E-16	6.5444E-15	0.291422	hyper	sig	chr5_115962247
chr7	1.3E+08	130292147	+	4.49E-16	6.5476E-15	-0.2439	hypo	sig	chr7_130292147
chr1	1163827	1163827	+	4.493E-16	6.5513E-15	-0.29045	hypo	sig	chr1_1163827
chr17	82568388	82568388	+	4.494E-16	6.5526E-15	-0.27178	hypo	sig	chr17_82568388
chr20	58853382	58853382	+	4.494E-16	6.5528E-15	-0.26533	hypo	sig	chr20_58853382
chr10	99232882	99232882	+	4.498E-16	6.5588E-15	0.260289	hyper	sig	chr10_99232882

chr2	5693054	5693054	+	4.499E-16	6.5597E-15	0.289843	hyper	sig	chr2_5693054
chr2	10452288	10452288	+	4.502E-16	6.5634E-15	-0.21489	hypo	sig	chr2_10452288
chr19	57664957	57664957	+	4.503E-16	6.5648E-15	0.211163	hyper	sig	chr19_57664957
chr16	46573776	46573776	+	4.505E-16	6.5678E-15	-0.344	hypo	sig	chr16_46573776
chr2	2.39E+08	238722808	+	4.505E-16	6.5688E-15	-0.22828	hypo	sig	chr2_238722808
chr1	1.99E+08	198679728	+	4.507E-16	6.5703E-15	-0.25835	hypo	sig	chr1_198679728
chr10	23203932	23203932	+	4.511E-16	6.5768E-15	0.268655	hyper	sig	chr10_23203932
chr8	1.03E+08	103140531	+	4.512E-16	6.5776E-15	0.320576	hyper	sig	chr8_103140531
chr8	6836004	6836004	+	4.517E-16	6.5856E-15	0.244093	hyper	sig	chr8_6836004
chr5	1.78E+08	178337325	+	4.519E-16	6.5874E-15	0.2746	hyper	sig	chr5_178337325
chr15	71809827	71809827	+	4.523E-16	6.5937E-15	-0.35185	hypo	sig	chr15_71809827
chr7	97022016	97022016	+	4.524E-16	6.5947E-15	0.311937	hyper	sig	chr7_97022016
chr1	1.83E+08	183185921	+	4.524E-16	6.595E-15	-0.25809	hypo	sig	chr1_183185921
chr7	1.58E+08	157738502	+	4.525E-16	6.5954E-15	0.273986	hyper	sig	chr7_157738502
chr2	20670528	20670528	+	4.526E-16	6.598E-15	0.228431	hyper	sig	chr2_20670528
chr4	13526086	13526086	+	4.529E-16	6.6013E-15	-0.20197	hypo	sig	chr4_13526086
chr13	24932163	24932163	+	4.529E-16	6.602E-15	0.217411	hyper	sig	chr13_24932163
chr17	733880	733880	+	4.53E-16	6.6027E-15	-0.29147	hypo	sig	chr17_733880
chr7	4136280	4136280	+	4.538E-16	6.6144E-15	-0.21563	hypo	sig	chr7_4136280
chr1	98049563	98049563	+	4.541E-16	6.6177E-15	0.227483	hyper	sig	chr1_98049563
chr7	57201847	57201847	+	4.543E-16	6.6205E-15	-0.2613	hypo	sig	chr7_57201847
chr6	1.5E+08	149964708	+	4.546E-16	6.6254E-15	0.230128	hyper	sig	chr6_149964708
chr7	44104835	44104835	+	4.546E-16	6.6254E-15	0.208592	hyper	sig	chr7_44104835
chr11	65592910	65592910	+	4.547E-16	6.6261E-15	0.292606	hyper	sig	chr11_65592910
chr12	1.17E+08	116991571	+	4.548E-16	6.6281E-15	0.215724	hyper	sig	chr12_116991571
chr20	60968561	60968561	+	4.548E-16	6.6282E-15	-0.22494	hypo	sig	chr20_60968561
chr20	36155156	36155156	+	4.55E-16	6.6313E-15	0.325558	hyper	sig	chr20_36155156
chr8	64587369	64587369	+	4.551E-16	6.6323E-15	0.263285	hyper	sig	chr8_64587369
chr11	68331433	68331433	+	4.553E-16	6.6351E-15	-0.3275	hypo	sig	chr11_68331433
chr2	20671271	20671271	+	4.555E-16	6.6378E-15	0.278756	hyper	sig	chr2_20671271
chr19	55520020	55520020	+	4.556E-16	6.6382E-15	-0.20141	hypo	sig	chr19_55520020
chr1	16019573	16019573	+	4.558E-16	6.641E-15	0.265252	hyper	sig	chr1_16019573
chr18	21243198	21243198	+	4.563E-16	6.6489E-15	0.238609	hyper	sig	chr18_21243198
chr16	85162870	85162870	+	4.564E-16	6.6494E-15	0.231872	hyper	sig	chr16_85162870
chr8	38651085	38651085	+	4.564E-16	6.6496E-15	0.309768	hyper	sig	chr8_38651085
chr14	60637848	60637848	+	4.567E-16	6.6545E-15	0.235386	hyper	sig	chr14_60637848
chr7	97026341	97026341	+	4.568E-16	6.6559E-15	0.210352	hyper	sig	chr7_97026341
chr12	213339	213339	+	4.568E-16	6.6559E-15	-0.23749	hypo	sig	chr12_213339
chr22	45309153	45309153	+	4.568E-16	6.6559E-15	-0.28841	hypo	sig	chr22_45309153
chr2	2.42E+08	242031792	+	4.569E-16	6.6562E-15	-0.24487	hypo	sig	chr2_242031792
chr2	74436280	74436280	+	4.57E-16	6.6587E-15	0.219694	hyper	sig	chr2_74436280
chr3	10995060	10995060	+	4.572E-16	6.6611E-15	-0.23874	hypo	sig	chr3_10995060
chr5	1.41E+08	141431823	+	4.576E-16	6.6657E-15	0.300008	hyper	sig	chr5_141431823
chr12	176543	176543	+	4.576E-16	6.666E-15	-0.27488	hypo	sig	chr12_176543
chr19	53978648	53978648	+	4.578E-16	6.6688E-15	0.319037	hyper	sig	chr19_53978648
chr6	1581672	1581672	+	4.578E-16	6.6694E-15	-0.20364	hypo	sig	chr6_1581672
chr7	983401	983401	+	4.583E-16	6.6763E-15	0.200623	hyper	sig	chr7_983401
chr3	13283367	13283367	+	4.585E-16	6.6789E-15	0.22819	hyper	sig	chr3_13283367
chr5	1.73E+08	173229010	+	4.591E-16	6.6877E-15	0.208764	hyper	sig	chr5_173229010
chr2	31580801	31580801	+	4.592E-16	6.6889E-15	0.286294	hyper	sig	chr2_31580801
chr12	62461421	62461421	+	4.594E-16	6.6906E-15	-0.23306	hypo	sig	chr12_62461421
chr2	2.41E+08	240673004	+	4.594E-16	6.6915E-15	0.222967	hyper	sig	chr2_240673004
chr5	1.41E+08	141422963	+	4.598E-16	6.6968E-15	0.328866	hyper	sig	chr5_141422963
chr8	81522225	81522225	+	4.598E-16	6.6968E-15	-0.22229	hypo	sig	chr8_81522225
chr4	1.47E+08	146637390	+	4.599E-16	6.6974E-15	0.262244	hyper	sig	chr4_146637390
chr7	2309999	2309999	+	4.599E-16	6.6974E-15	0.248276	hyper	sig	chr7_2309999

chr14	47675899	47675899	+	4.6E-16	6.6988E-15	0.280441	hyper	sig	chr14_47675899
chr3	27729021	27729021	+	4.601E-16	6.7002E-15	0.201353	hyper	sig	chr3_27729021
chr4	7965599	7965599	+	4.602E-16	6.7014E-15	-0.23986	hypo	sig	chr4_7965599
chr19	58204050	58204050	+	4.605E-16	6.7054E-15	0.345743	hyper	sig	chr19_58204050
chr7	24285448	24285448	+	4.606E-16	6.7068E-15	0.264511	hyper	sig	chr7_24285448
chr2	74516288	74516288	+	4.61E-16	6.7129E-15	0.211051	hyper	sig	chr2_74516288
chr7	1705537	1705537	+	4.615E-16	6.7208E-15	-0.26702	hypo	sig	chr7_1705537
chr12	4909851	4909851	+	4.621E-16	6.7292E-15	0.305148	hyper	sig	chr12_4909851
chr15	82681067	82681067	+	4.624E-16	6.733E-15	0.314691	hyper	sig	chr15_82681067
chr6	50817439	50817439	+	4.626E-16	6.7355E-15	0.226962	hyper	sig	chr6_50817439
chr19	22286626	22286626	+	4.626E-16	6.7363E-15	0.251052	hyper	sig	chr19_22286626
chr19	2525386	2525386	+	4.628E-16	6.7385E-15	-0.22858	hypo	sig	chr19_2525386
chr2	951831	951831	+	4.629E-16	6.7405E-15	0.23013	hyper	sig	chr2_951831
chr13	93234234	93234234	+	4.63E-16	6.7417E-15	-0.24764	hypo	sig	chr13_93234234
chr19	37691946	37691946	+	4.631E-16	6.742E-15	0.256092	hyper	sig	chr19_37691946
chr16	760733	760733	+	4.635E-16	6.749E-15	-0.24887	hypo	sig	chr16_760733
chr3	1.34E+08	134357473	+	4.639E-16	6.754E-15	0.273324	hyper	sig	chr3_134357473
chr5	77632730	77632730	+	4.639E-16	6.754E-15	0.317646	hyper	sig	chr5_77632730
chr8	26010529	26010529	+	4.642E-16	6.7577E-15	0.258912	hyper	sig	chr8_26010529
chr2	2.19E+08	219496906	+	4.649E-16	6.7679E-15	0.218304	hyper	sig	chr2_219496906
chr10	625548	625548	+	4.651E-16	6.7706E-15	0.225862	hyper	sig	chr10_625548
chr5	1.81E+08	181114092	+	4.651E-16	6.7711E-15	-0.25488	hypo	sig	chr5_181114092
chr11	31796909	31796909	+	4.653E-16	6.7735E-15	0.334801	hyper	sig	chr11_31796909
chr5	1.41E+08	141390089	+	4.654E-16	6.775E-15	0.346538	hyper	sig	chr5_141390089
chr17	10729542	10729542	+	4.659E-16	6.7817E-15	0.232149	hyper	sig	chr17_10729542
chr2	88766042	88766042	+	4.661E-16	6.7842E-15	0.270949	hyper	sig	chr2_88766042
chr5	1.46E+08	146343361	+	4.661E-16	6.7848E-15	0.247312	hyper	sig	chr5_146343361
chr19	57171802	57171802	+	4.665E-16	6.7906E-15	0.317563	hyper	sig	chr19_57171802
chr5	1.41E+08	141150194	+	4.681E-16	6.8138E-15	0.261247	hyper	sig	chr5_141150194
chr2	27139500	27139500	+	4.682E-16	6.8147E-15	-0.2777	hypo	sig	chr2_27139500
chr12	56000370	56000370	+	4.683E-16	6.8151E-15	-0.22136	hypo	sig	chr12_56000370
chr4	1034186	1034186	+	4.689E-16	6.8238E-15	0.29963	hyper	sig	chr4_1034186
chr12	2793624	2793624	+	4.689E-16	6.8247E-15	-0.26777	hypo	sig	chr12_2793624
chr7	2733459	2733459	+	4.689E-16	6.8247E-15	-0.20626	hypo	sig	chr7_2733459
chr10	5546181	5546181	+	4.691E-16	6.8272E-15	-0.25843	hypo	sig	chr10_5546181
chr20	62063636	62063636	+	4.696E-16	6.8344E-15	0.288456	hyper	sig	chr20_62063636
chr17	35090067	35090067	+	4.697E-16	6.836E-15	-0.28377	hypo	sig	chr17_35090067
chr9	92809685	92809685	+	4.699E-16	6.8388E-15	0.212353	hyper	sig	chr9_92809685
chr7	1.53E+08	152924950	+	4.706E-16	6.849E-15	0.333038	hyper	sig	chr7_152924950
chr8	1.44E+08	143599251	+	4.707E-16	6.8493E-15	0.302698	hyper	sig	chr8_143599251
chr20	40691910	40691910	+	4.709E-16	6.852E-15	0.318045	hyper	sig	chr20_40691910
chr21	26845393	26845393	+	4.71E-16	6.8543E-15	0.218723	hyper	sig	chr21_26845393
chr2	1.82E+08	181685338	+	4.712E-16	6.8567E-15	0.23814	hyper	sig	chr2_181685338
chr7	1747546	1747546	+	4.712E-16	6.8568E-15	-0.27257	hypo	sig	chr7_1747546
chr13	34943497	34943497	+	4.714E-16	6.8597E-15	0.201364	hyper	sig	chr13_34943497
chr19	16283725	16283725	+	4.716E-16	6.862E-15	0.212312	hyper	sig	chr19_16283725
chr5	19988835	19988835	+	4.717E-16	6.8635E-15	-0.25261	hypo	sig	chr5_19988835
chr16	31224426	31224426	+	4.718E-16	6.8641E-15	0.352291	hyper	sig	chr16_31224426
chr20	62329107	62329107	+	4.724E-16	6.8727E-15	-0.33423	hypo	sig	chr20_62329107
chr5	1.41E+08	141421972	+	4.724E-16	6.8734E-15	0.296757	hyper	sig	chr5_141421972
chr22	39558226	39558226	+	4.727E-16	6.8765E-15	0.248675	hyper	sig	chr22_39558226
chr11	46279859	46279859	+	4.733E-16	6.8859E-15	0.243165	hyper	sig	chr11_46279859
chr5	1.81E+08	181219754	+	4.734E-16	6.8876E-15	0.210459	hyper	sig	chr5_181219754
chr7	1.56E+08	155576581	+	4.735E-16	6.8886E-15	-0.24159	hypo	sig	chr7_155576581
chr9	88991015	88991015	+	4.736E-16	6.8889E-15	0.216441	hyper	sig	chr9_88991015
chr2	1.05E+08	105399700	+	4.736E-16	6.8901E-15	-0.21584	hypo	sig	chr2_105399700

chr17	76867959	76867959	+	4.738E-16	6.892E-15	0.257026	hyper	sig	chr17_76867959
chr13	52739966	52739966	+	4.74E-16	6.8941E-15	0.249593	hyper	sig	chr13_52739966
chr2	1.15E+08	115162914	+	4.741E-16	6.8957E-15	0.31467	hyper	sig	chr2_115162914
chr12	6556221	6556221	+	4.748E-16	6.9057E-15	0.204771	hyper	sig	chr12_6556221
chr14	37586074	37586074	+	4.749E-16	6.9073E-15	0.201784	hyper	sig	chr14_37586074
chr14	93918903	93918903	+	4.749E-16	6.9073E-15	-0.23441	hypo	sig	chr14_93918903
chr1	8333918	8333918	+	4.754E-16	6.9147E-15	-0.2107	hypo	sig	chr1_8333918
chr6	1.16E+08	116370219	+	4.758E-16	6.9199E-15	0.283676	hyper	sig	chr6_116370219
chr1	85583195	85583195	+	4.758E-16	6.9202E-15	0.213171	hyper	sig	chr1_85583195
chr14	1.02E+08	101964200	+	4.76E-16	6.9219E-15	0.2756	hyper	sig	chr14_101964200
chr12	29783038	29783038	+	4.76E-16	6.9223E-15	0.339302	hyper	sig	chr12_29783038
chr3	42266021	42266021	+	4.761E-16	6.9236E-15	0.354825	hyper	sig	chr3_42266021
chr10	1.3E+08	129525658	+	4.765E-16	6.9288E-15	0.236876	hyper	sig	chr10_129525658
chr5	2658942	2658942	+	4.765E-16	6.9288E-15	0.242618	hyper	sig	chr5_2658942
chr7	8441792	8441792	+	4.767E-16	6.9324E-15	0.339199	hyper	sig	chr7_8441792
chr17	81135899	81135899	+	4.77E-16	6.9362E-15	-0.28451	hypo	sig	chr17_81135899
chr15	25241221	25241221	+	4.773E-16	6.9411E-15	-0.23904	hypo	sig	chr15_25241221
chr17	45429885	45429885	+	4.775E-16	6.9429E-15	0.340134	hyper	sig	chr17_45429885
chr7	1.5E+08	150048952	+	4.775E-16	6.9432E-15	0.222934	hyper	sig	chr7_150048952
chr3	44022146	44022146	+	4.776E-16	6.9448E-15	0.226785	hyper	sig	chr3_44022146
chr8	1.41E+08	141446018	+	4.777E-16	6.9459E-15	-0.30665	hypo	sig	chr8_141446018
chr5	1.39E+08	139395197	+	4.781E-16	6.9514E-15	0.365066	hyper	sig	chr5_139395197
chr19	39415814	39415814	+	4.781E-16	6.9516E-15	0.288904	hyper	sig	chr19_39415814
chr20	45097946	45097946	+	4.784E-16	6.9559E-15	0.247795	hyper	sig	chr20_45097946
chr9	34809640	34809640	+	4.784E-16	6.9559E-15	0.208272	hyper	sig	chr9_34809640
chr6	28988555	28988555	+	4.786E-16	6.9584E-15	0.205193	hyper	sig	chr6_28988555
chr2	1.35E+08	134717806	+	4.788E-16	6.9605E-15	0.360234	hyper	sig	chr2_134717806
chr19	29526613	29526613	+	4.788E-16	6.9613E-15	0.272385	hyper	sig	chr19_29526613
chr19	49043613	49043613	+	4.789E-16	6.9626E-15	-0.26365	hypo	sig	chr19_49043613
chr17	34615235	34615235	+	4.795E-16	6.9709E-15	-0.32319	hypo	sig	chr17_34615235
chr9	93954291	93954291	+	4.796E-16	6.9713E-15	0.252921	hyper	sig	chr9_93954291
chr6	1.46E+08	146434486	+	4.797E-16	6.9738E-15	0.328835	hyper	sig	chr6_146434486
chr3	1.33E+08	133393952	+	4.799E-16	6.9759E-15	-0.22204	hypo	sig	chr3_133393952
chr5	5146272	5146272	+	4.799E-16	6.9759E-15	-0.27785	hypo	sig	chr5_5146272
chr7	27145921	27145921	+	4.801E-16	6.9789E-15	0.253203	hyper	sig	chr7_27145921
chr15	88255701	88255701	+	4.805E-16	6.9848E-15	0.256403	hyper	sig	chr15_88255701
chr3	32819858	32819858	+	4.806E-16	6.9857E-15	0.228302	hyper	sig	chr3_32819858
chr5	1.41E+08	141372315	+	4.813E-16	6.9962E-15	0.27635	hyper	sig	chr5_141372315
chr19	58043149	58043149	+	4.819E-16	7.0034E-15	0.28495	hyper	sig	chr19_58043149
chr7	73831363	73831363	+	4.82E-16	7.0058E-15	-0.22428	hypo	sig	chr7_73831363
chr1	90834684	90834684	+	4.821E-16	7.0072E-15	0.278146	hyper	sig	chr1_90834684
chr15	70448094	70448094	+	4.822E-16	7.0075E-15	-0.2437	hypo	sig	chr15_70448094
chr1	22451251	22451251	+	4.823E-16	7.0086E-15	-0.23865	hypo	sig	chr1_22451251
chr8	23710435	23710435	+	4.828E-16	7.0167E-15	0.259037	hyper	sig	chr8_23710435
chr6	29827785	29827785	+	4.83E-16	7.0187E-15	0.252692	hyper	sig	chr6_29827785
chr6	34238763	34238763	+	4.831E-16	7.021E-15	-0.31099	hypo	sig	chr6_34238763
chr14	1.06E+08	105769681	+	4.832E-16	7.0224E-15	-0.32949	hypo	sig	chr14_105769681
chr16	1039187	1039187	+	4.836E-16	7.0271E-15	-0.2738	hypo	sig	chr16_1039187
chr2	2.39E+08	239247571	+	4.838E-16	7.0299E-15	-0.23597	hypo	sig	chr2_239247571
chr11	70662039	70662039	+	4.839E-16	7.0307E-15	0.295966	hyper	sig	chr11_70662039
chr16	87179107	87179107	+	4.839E-16	7.0316E-15	-0.23919	hypo	sig	chr16_87179107
chr11	66049054	66049054	+	4.843E-16	7.0373E-15	0.285427	hyper	sig	chr11_66049054
chr4	1.11E+08	110628797	+	4.844E-16	7.0383E-15	0.251257	hyper	sig	chr4_110628797
chr16	57628096	57628096	+	4.845E-16	7.0398E-15	0.343528	hyper	sig	chr16_57628096
chr16	1533947	1533947	+	4.847E-16	7.0415E-15	0.258852	hyper	sig	chr16_1533947
chr11	8169114	8169114	+	4.848E-16	7.0439E-15	0.207855	hyper	sig	chr11_8169114

chr14	52068336	52068336	+	4.851E-16	7.0476E-15	0.202075	hyper	sig	chr14_52068336
chr10	1.01E+08	101047142	+	4.856E-16	7.0538E-15	0.282069	hyper	sig	chr10_101047142
chr8	66178022	66178022	+	4.857E-16	7.0557E-15	0.253001	hyper	sig	chr8_66178022
chr9	93346210	93346210	+	4.859E-16	7.0579E-15	0.325666	hyper	sig	chr9_93346210
chr6	1.08E+08	108167492	+	4.859E-16	7.0583E-15	0.258356	hyper	sig	chr6_108167492
chr1	3651314	3651314	+	4.86E-16	7.0595E-15	0.253453	hyper	sig	chr1_3651314
chr4	1.41E+08	141131992	+	4.86E-16	7.0595E-15	0.241863	hyper	sig	chr4_141131992
chr5	33936651	33936651	+	4.867E-16	7.0691E-15	0.255565	hyper	sig	chr5_33936651
chr11	32434252	32434252	+	4.869E-16	7.0719E-15	0.314907	hyper	sig	chr11_32434252
chr2	74418642	74418642	+	4.871E-16	7.0748E-15	0.223636	hyper	sig	chr2_74418642
chr15	28027041	28027041	+	4.876E-16	7.0814E-15	-0.25726	hypo	sig	chr15_28027041
chr19	40224564	40224564	+	4.877E-16	7.0826E-15	-0.31649	hypo	sig	chr19_40224564
chr5	1.29E+08	128537835	+	4.878E-16	7.084E-15	0.289549	hyper	sig	chr5_128537835
chr10	1.28E+08	127736957	+	4.88E-16	7.0873E-15	0.3854	hyper	sig	chr10_127736957
chr2	1.34E+08	134146787	+	4.88E-16	7.0876E-15	0.205406	hyper	sig	chr2_134146787
chr1	1.98E+08	197921516	+	4.881E-16	7.0885E-15	0.241038	hyper	sig	chr1_197921516
chr1	32765508	32765508	+	4.887E-16	7.0965E-15	0.233325	hyper	sig	chr1_32765508
chr13	1.14E+08	113533627	+	4.888E-16	7.098E-15	0.233553	hyper	sig	chr13_113533627
chr8	67952340	67952340	+	4.895E-16	7.1087E-15	0.313515	hyper	sig	chr8_67952340
chr16	85112532	85112532	+	4.896E-16	7.1092E-15	-0.26172	hypo	sig	chr16_85112532
chr8	96154068	96154068	+	4.897E-16	7.1108E-15	0.272279	hyper	sig	chr8_96154068
chr4	1.85E+08	185019053	+	4.897E-16	7.1115E-15	0.244308	hyper	sig	chr4_185019053
chr12	13001788	13001788	+	4.898E-16	7.1122E-15	0.244561	hyper	sig	chr12_13001788
chr5	1.77E+08	177328415	+	4.899E-16	7.1133E-15	-0.24827	hypo	sig	chr5_177328415
chr10	97495479	97495479	+	4.9E-16	7.1148E-15	-0.2273	hypo	sig	chr10_97495479
chr5	1.41E+08	140875424	+	4.9E-16	7.1148E-15	0.284668	hyper	sig	chr5_140875424
chr4	5026968	5026968	+	4.903E-16	7.1189E-15	-0.27533	hypo	sig	chr4_5026968
chr6	33173157	33173157	+	4.911E-16	7.1311E-15	-0.30152	hypo	sig	chr6_33173157
chr1	1.83E+08	183185846	+	4.913E-16	7.1339E-15	-0.27926	hypo	sig	chr1_183185846
chr10	618845	618845	+	4.923E-16	7.148E-15	0.230332	hyper	sig	chr10_618845
chr18	78977610	78977610	+	4.924E-16	7.1494E-15	0.330659	hyper	sig	chr18_78977610
chr20	21701328	21701328	+	4.926E-16	7.1513E-15	0.226903	hyper	sig	chr20_21701328
chr8	30442707	30442707	+	4.926E-16	7.1519E-15	0.20252	hyper	sig	chr8_30442707
chr6	41638748	41638748	+	4.927E-16	7.1532E-15	0.261073	hyper	sig	chr6_41638748
chr3	1.95E+08	194688116	+	4.93E-16	7.1572E-15	0.241075	hyper	sig	chr3_194688116
chr20	31843908	31843908	+	4.935E-16	7.1648E-15	-0.27982	hypo	sig	chr20_31843908
chr6	32055506	32055506	+	4.935E-16	7.1648E-15	-0.21074	hypo	sig	chr6_32055506
chr12	84913301	84913301	+	4.936E-16	7.1649E-15	0.220811	hyper	sig	chr12_84913301
chr4	785432	785432	+	4.937E-16	7.1669E-15	0.269888	hyper	sig	chr4_785432
chr8	2102120	2102120	+	4.938E-16	7.1678E-15	-0.25511	hypo	sig	chr8_2102120
chr18	905176	905176	+	4.938E-16	7.1683E-15	0.259846	hyper	sig	chr18_905176
chr4	1.74E+08	173531300	+	4.939E-16	7.1696E-15	0.266175	hyper	sig	chr4_173531300
chr16	55327635	55327635	+	4.941E-16	7.1716E-15	0.267415	hyper	sig	chr16_55327635
chr14	97219506	97219506	+	4.942E-16	7.1728E-15	0.229923	hyper	sig	chr14_97219506
chr2	44943192	44943192	+	4.943E-16	7.1743E-15	0.275255	hyper	sig	chr2_44943192
chr17	40191342	40191342	+	4.945E-16	7.178E-15	0.220753	hyper	sig	chr17_40191342
chr10	1.32E+08	132249051	+	4.947E-16	7.1804E-15	-0.26462	hypo	sig	chr10_132249051
chr1	1.44E+08	143652062	+	4.948E-16	7.1823E-15	0.294945	hyper	sig	chr1_143652062
chr9	1.27E+08	126664963	+	4.95E-16	7.1843E-15	-0.23833	hypo	sig	chr9_126664963
chr5	1.77E+08	177116995	+	4.952E-16	7.1866E-15	0.216644	hyper	sig	chr5_177116995
chr11	75425602	75425602	+	4.952E-16	7.1872E-15	0.212943	hyper	sig	chr11_75425602
chr7	32431780	32431780	+	4.953E-16	7.1882E-15	-0.3465	hypo	sig	chr7_32431780
chr2	2.19E+08	218962078	+	4.969E-16	7.2111E-15	0.215556	hyper	sig	chr2_218962078
chr11	70587231	70587231	+	4.974E-16	7.2176E-15	-0.2439	hypo	sig	chr11_70587231
chr19	49037021	49037021	+	4.977E-16	7.2219E-15	-0.28289	hypo	sig	chr19_49037021
chr9	98975377	98975377	+	4.978E-16	7.2242E-15	0.263415	hyper	sig	chr9_98975377

chr10	1098689	1098689	+	4.982E-16	7.229E-15	0.258188	hyper	sig	chr10_1098689
chr22	32194234	32194234	+	4.984E-16	7.2314E-15	-0.30419	hypo	sig	chr22_32194234
chr8	57217954	57217954	+	4.989E-16	7.2388E-15	-0.2283	hypo	sig	chr8_57217954
chr1	2.46E+08	245564285	+	4.99E-16	7.2402E-15	-0.25821	hypo	sig	chr1_245564285
chr14	68628887	68628887	+	4.99E-16	7.2407E-15	-0.27745	hypo	sig	chr14_68628887
chr5	1.39E+08	139393585	+	4.99E-16	7.2407E-15	0.22566	hyper	sig	chr5_139393585
chr7	1239608	1239608	+	4.991E-16	7.2407E-15	0.244143	hyper	sig	chr7_1239608
chr15	74368222	74368222	+	4.996E-16	7.2488E-15	-0.2053	hypo	sig	chr15_74368222
chr19	3178812	3178812	+	4.998E-16	7.2508E-15	-0.28835	hypo	sig	chr19_3178812
chr19	36152643	36152643	+	4.999E-16	7.2528E-15	0.311758	hyper	sig	chr19_36152643
chr5	1.41E+08	141422906	+	5.001E-16	7.2547E-15	0.269859	hyper	sig	chr5_141422906
chr5	34670120	34670120	+	5.007E-16	7.2636E-15	0.24616	hyper	sig	chr5_34670120
chr5	1.75E+08	175445120	+	5.008E-16	7.2649E-15	0.330113	hyper	sig	chr5_175445120
chr14	70187982	70187982	+	5.01E-16	7.2675E-15	0.206044	hyper	sig	chr14_70187982
chr19	11674140	11674140	+	5.011E-16	7.2689E-15	0.262915	hyper	sig	chr19_11674140
chr7	1.28E+08	128206686	+	5.012E-16	7.2698E-15	-0.27914	hypo	sig	chr7_128206686
chr2	23617412	23617412	+	5.012E-16	7.2707E-15	0.259117	hyper	sig	chr2_23617412
chr10	1.02E+08	101778683	+	5.016E-16	7.2755E-15	-0.33562	hypo	sig	chr10_101778683
chr17	4969246	4969246	+	5.017E-16	7.2765E-15	0.22871	hyper	sig	chr17_4969246
chr11	1101397	1101397	+	5.019E-16	7.28E-15	-0.31467	hypo	sig	chr11_1101397
chr11	33703559	33703559	+	5.019E-16	7.28E-15	-0.245	hypo	sig	chr11_33703559
chr6	79947296	79947296	+	5.02E-16	7.2809E-15	0.217619	hyper	sig	chr6_79947296
chr7	1.44E+08	144407435	+	5.021E-16	7.282E-15	-0.26899	hypo	sig	chr7_144407435
chr1	22563145	22563145	+	5.023E-16	7.2849E-15	0.261508	hyper	sig	chr1_22563145
chr1	6570986	6570986	+	5.025E-16	7.2873E-15	-0.25394	hypo	sig	chr1_6570986
chr1	2.08E+08	207910763	+	5.025E-16	7.2878E-15	0.272086	hyper	sig	chr1_207910763
chr1	2270598	2270598	+	5.025E-16	7.288E-15	0.274885	hyper	sig	chr1_2270598
chr1	38476687	38476687	+	5.027E-16	7.2906E-15	0.297915	hyper	sig	chr1_38476687
chr1	1.52E+08	152107950	+	5.029E-16	7.2927E-15	0.231802	hyper	sig	chr1_152107950
chr2	72921050	72921050	+	5.032E-16	7.297E-15	0.37228	hyper	sig	chr2_72921050
chr5	1.41E+08	141121783	+	5.033E-16	7.2983E-15	0.23178	hyper	sig	chr5_141121783
chr19	41331110	41331110	+	5.04E-16	7.3077E-15	-0.28092	hypo	sig	chr19_41331110
chr4	13537295	13537295	+	5.042E-16	7.3113E-15	-0.26931	hypo	sig	chr4_13537295
chr7	1620807	1620807	+	5.048E-16	7.3187E-15	-0.27178	hypo	sig	chr7_1620807
chr10	1.25E+08	125151410	+	5.05E-16	7.3216E-15	-0.21167	hypo	sig	chr10_125151410
chr14	92182271	92182271	+	5.054E-16	7.3281E-15	-0.28161	hypo	sig	chr14_92182271
chr15	92706413	92706413	+	5.064E-16	7.3417E-15	-0.25646	hypo	sig	chr15_92706413
chr2	2.42E+08	241771443	+	5.067E-16	7.346E-15	0.26513	hyper	sig	chr2_241771443
chr1	2043395	2043395	+	5.067E-16	7.346E-15	-0.28286	hypo	sig	chr1_2043395
chr11	45157871	45157871	+	5.07E-16	7.3496E-15	0.293578	hyper	sig	chr11_45157871
chr12	1.3E+08	130474536	+	5.073E-16	7.3539E-15	-0.33555	hypo	sig	chr12_130474536
chr6	32155189	32155189	+	5.076E-16	7.3585E-15	0.237041	hyper	sig	chr6_32155189
chr17	17306342	17306342	+	5.076E-16	7.3585E-15	-0.21559	hypo	sig	chr17_17306342
chr3	13936152	13936152	+	5.077E-16	7.3598E-15	-0.25875	hypo	sig	chr3_13936152
chr16	29256582	29256582	+	5.078E-16	7.3607E-15	-0.20697	hypo	sig	chr16_29256582
chr1	2.28E+08	228446546	+	5.084E-16	7.3696E-15	0.354186	hyper	sig	chr1_228446546
chr8	27921539	27921539	+	5.085E-16	7.3696E-15	-0.32635	hypo	sig	chr8_27921539
chr19	58347319	58347319	+	5.085E-16	7.3702E-15	0.213052	hyper	sig	chr19_58347319
chr6	1.67E+08	167122581	+	5.087E-16	7.3732E-15	-0.23169	hypo	sig	chr6_167122581
chr15	93090049	93090049	+	5.091E-16	7.3791E-15	0.209628	hyper	sig	chr15_93090049
chr22	38214549	38214549	+	5.092E-16	7.3804E-15	0.292356	hyper	sig	chr22_38214549
chr19	1520552	1520552	+	5.098E-16	7.3884E-15	-0.29764	hypo	sig	chr19_1520552
chr11	6571388	6571388	+	5.1E-16	7.3907E-15	0.262916	hyper	sig	chr11_6571388
chr2	63055893	63055893	+	5.101E-16	7.3927E-15	0.2463	hyper	sig	chr2_63055893
chr17	299697	299697	+	5.103E-16	7.3948E-15	0.247633	hyper	sig	chr17_299697
chr3	1.8E+08	180036427	+	5.103E-16	7.3948E-15	0.271445	hyper	sig	chr3_180036427

chr12	1.23E+08	122893595	+	5.107E-16	7.4004E-15	-0.24843	hypo	sig	chr12_122893595
chr7	64045773	64045773	+	5.107E-16	7.4006E-15	0.24183	hyper	sig	chr7_64045773
chr17	77618902	77618902	+	5.111E-16	7.4063E-15	-0.21568	hypo	sig	chr17_77618902
chr2	1.21E+08	120581075	+	5.112E-16	7.4076E-15	-0.32204	hypo	sig	chr2_120581075
chr12	1.1E+08	109814999	+	5.118E-16	7.4166E-15	-0.24523	hypo	sig	chr12_109814999
chr13	1.12E+08	112067507	+	5.12E-16	7.4192E-15	0.325072	hyper	sig	chr13_112067507
chr7	118921	118921	+	5.127E-16	7.4287E-15	-0.22103	hypo	sig	chr7_118921
chr2	31234765	31234765	+	5.132E-16	7.4353E-15	0.288661	hyper	sig	chr2_31234765
chr5	1.78E+08	178387701	+	5.134E-16	7.4381E-15	-0.24771	hypo	sig	chr5_178387701
chr17	49491118	49491118	+	5.137E-16	7.4423E-15	-0.2246	hypo	sig	chr17_49491118
chr22	39155648	39155648	+	5.141E-16	7.4485E-15	-0.2745	hypo	sig	chr22_39155648
chr4	1.07E+08	107037316	+	5.146E-16	7.4549E-15	0.254986	hyper	sig	chr4_107037316
chr5	37835009	37835009	+	5.153E-16	7.4652E-15	0.333565	hyper	sig	chr5_37835009
chr3	13637677	13637677	+	5.159E-16	7.4742E-15	-0.20372	hypo	sig	chr3_13637677
chr17	50468757	50468757	+	5.16E-16	7.4749E-15	0.289963	hyper	sig	chr17_50468757
chr1	3247826	3247826	+	5.16E-16	7.4749E-15	0.217645	hyper	sig	chr1_3247826
chr5	1.41E+08	141101013	+	5.161E-16	7.4771E-15	0.223451	hyper	sig	chr5_141101013
chr3	1.47E+08	147412650	+	5.168E-16	7.4859E-15	0.293771	hyper	sig	chr3_147412650
chr15	83446727	83446727	+	5.169E-16	7.4875E-15	0.230802	hyper	sig	chr15_83446727
chr6	10384899	10384899	+	5.169E-16	7.4875E-15	0.32585	hyper	sig	chr6_10384899
chr3	1.47E+08	147412667	+	5.172E-16	7.4926E-15	0.29829	hyper	sig	chr3_147412667
chr6	1390405	1390405	+	5.174E-16	7.4954E-15	0.227252	hyper	sig	chr6_1390405
chr13	1.08E+08	108214614	+	5.176E-16	7.497E-15	0.256998	hyper	sig	chr13_108214614
chr10	13890894	13890894	+	5.176E-16	7.4979E-15	0.234635	hyper	sig	chr10_13890894
chr19	1765765	1765765	+	5.177E-16	7.4985E-15	0.331861	hyper	sig	chr19_1765765
chr4	1.88E+08	187612004	+	5.177E-16	7.4986E-15	-0.27099	hypo	sig	chr4_187612004
chr1	2.21E+08	220876638	+	5.185E-16	7.5097E-15	0.309752	hyper	sig	chr1_220876638
chr3	87089248	87089248	+	5.186E-16	7.5112E-15	0.220715	hyper	sig	chr3_87089248
chr7	27239583	27239583	+	5.186E-16	7.5117E-15	0.37193	hyper	sig	chr7_27239583
chr8	1.43E+08	143285157	+	5.191E-16	7.5186E-15	-0.24673	hypo	sig	chr8_143285157
chr10	1.31E+08	131115030	+	5.192E-16	7.5194E-15	-0.23409	hypo	sig	chr10_131115030
chr19	17846345	17846345	+	5.192E-16	7.5198E-15	-0.27467	hypo	sig	chr19_17846345
chr7	72969692	72969692	+	5.194E-16	7.5218E-15	0.402262	hyper	sig	chr7_72969692
chr6	37004265	37004265	+	5.195E-16	7.5236E-15	0.21179	hyper	sig	chr6_37004265
chr12	1.22E+08	122185696	+	5.197E-16	7.5255E-15	-0.26707	hypo	sig	chr12_122185696
chr7	1.56E+08	155804661	+	5.198E-16	7.5268E-15	0.232292	hyper	sig	chr7_155804661
chr2	2.42E+08	241977612	+	5.198E-16	7.5276E-15	-0.28902	hypo	sig	chr2_241977612
chr11	17012937	17012937	+	5.205E-16	7.5369E-15	-0.31145	hypo	sig	chr11_17012937
chr5	1.41E+08	141374276	+	5.206E-16	7.5384E-15	0.229709	hyper	sig	chr5_141374276
chr3	309048	309048	+	5.208E-16	7.5414E-15	0.25602	hyper	sig	chr3_309048
chr3	27724604	27724604	+	5.208E-16	7.5414E-15	0.277851	hyper	sig	chr3_27724604
chr13	30932548	30932548	+	5.21E-16	7.5433E-15	0.269018	hyper	sig	chr13_30932548
chr17	8072766	8072766	+	5.211E-16	7.5446E-15	0.295487	hyper	sig	chr17_8072766
chr19	50608370	50608370	+	5.221E-16	7.5591E-15	0.295203	hyper	sig	chr19_50608370
chr7	38656332	38656332	+	5.227E-16	7.567E-15	-0.25162	hypo	sig	chr7_38656332
chr6	1.38E+08	138105575	+	5.232E-16	7.5752E-15	-0.23143	hypo	sig	chr6_138105575
chr2	2.42E+08	241897530	+	5.235E-16	7.5785E-15	-0.23411	hypo	sig	chr2_241897530
chr14	47675799	47675799	+	5.242E-16	7.589E-15	0.225358	hyper	sig	chr14_47675799
chr17	1005751	1005751	+	5.26E-16	7.6144E-15	0.29194	hyper	sig	chr17_1005751
chr11	30012943	30012943	+	5.263E-16	7.6188E-15	-0.21341	hypo	sig	chr11_30012943
chr5	1.81E+08	181059593	+	5.265E-16	7.6216E-15	0.236779	hyper	sig	chr5_181059593
chr5	1446102	1446102	+	5.27E-16	7.628E-15	0.270139	hyper	sig	chr5_1446102
chr20	24471133	24471133	+	5.273E-16	7.6323E-15	0.230356	hyper	sig	chr20_24471133
chr1	22111833	22111833	+	5.274E-16	7.6331E-15	0.280609	hyper	sig	chr1_22111833
chr19	57099160	57099160	+	5.275E-16	7.6349E-15	0.272678	hyper	sig	chr19_57099160
chr10	81876457	81876457	+	5.278E-16	7.6394E-15	0.217486	hyper	sig	chr10_81876457

chr10	370375	370375	+	5.279E-16	7.6402E-15	0.304117	hyper	sig	chr10_370375
chr20	58515311	58515311	+	5.28E-16	7.6413E-15	0.298449	hyper	sig	chr20_58515311
chr19	58562063	58562063	+	5.28E-16	7.6417E-15	0.229606	hyper	sig	chr19_58562063
chr3	14401922	14401922	+	5.283E-16	7.6458E-15	-0.23473	hypo	sig	chr3_14401922
chr8	26515313	26515313	+	5.285E-16	7.6483E-15	0.295217	hyper	sig	chr8_26515313
chr19	48444313	48444313	+	5.286E-16	7.6498E-15	0.329	hyper	sig	chr19_48444313
chr6	30451793	30451793	+	5.287E-16	7.6508E-15	0.272198	hyper	sig	chr6_30451793
chr11	20163695	20163695	+	5.288E-16	7.6522E-15	0.213454	hyper	sig	chr11_20163695
chr1	1.2E+08	119713262	+	5.288E-16	7.6524E-15	0.287245	hyper	sig	chr1_119713262
chr5	2757343	2757343	+	5.295E-16	7.6621E-15	0.213156	hyper	sig	chr5_2757343
chr16	69917897	69917897	+	5.299E-16	7.667E-15	0.214902	hyper	sig	chr16_69917897
chr20	62220931	62220931	+	5.3E-16	7.6686E-15	0.328656	hyper	sig	chr20_62220931
chr2	2.07E+08	206642353	+	5.302E-16	7.6711E-15	0.245691	hyper	sig	chr2_206642353
chr4	70722005	70722005	+	5.303E-16	7.6733E-15	0.231279	hyper	sig	chr4_70722005
chr2	2.22E+08	222304185	+	5.308E-16	7.6806E-15	0.216613	hyper	sig	chr2_222304185
chr10	660066	660066	+	5.309E-16	7.6821E-15	0.233719	hyper	sig	chr10_660066
chr12	1.13E+08	113464507	+	5.311E-16	7.6843E-15	0.264338	hyper	sig	chr12_113464507
chr7	30979295	30979295	+	5.314E-16	7.6886E-15	-0.2352	hypo	sig	chr7_30979295
chr8	1.2E+08	120125415	+	5.321E-16	7.6981E-15	0.255731	hyper	sig	chr8_120125415
chr7	97732112	97732112	+	5.322E-16	7.6993E-15	0.221859	hyper	sig	chr7_97732112
chr5	73311760	73311760	+	5.322E-16	7.6994E-15	0.271426	hyper	sig	chr5_73311760
chr14	85532108	85532108	+	5.324E-16	7.7021E-15	0.228969	hyper	sig	chr14_85532108
chr14	94690964	94690964	+	5.325E-16	7.7033E-15	-0.30529	hypo	sig	chr14_94690964
chr14	36510636	36510636	+	5.328E-16	7.7077E-15	0.255619	hyper	sig	chr14_36510636
chr2	46827999	46827999	+	5.329E-16	7.708E-15	-0.25807	hypo	sig	chr2_46827999
chr2	2.28E+08	228180304	+	5.33E-16	7.7106E-15	0.264612	hyper	sig	chr2_228180304
chr15	64776395	64776395	+	5.331E-16	7.7115E-15	0.215394	hyper	sig	chr15_64776395
chr1	1.19E+08	118984598	+	5.331E-16	7.7116E-15	0.290612	hyper	sig	chr1_118984598
chr15	74941144	74941144	+	5.332E-16	7.7121E-15	-0.28218	hypo	sig	chr15_74941144
chr11	1.25E+08	125494865	+	5.335E-16	7.7165E-15	0.296658	hyper	sig	chr11_125494865
chr10	1.18E+08	117533038	+	5.337E-16	7.7193E-15	0.25304	hyper	sig	chr10_117533038
chr22	18998162	18998162	+	5.337E-16	7.7195E-15	0.240398	hyper	sig	chr22_18998162
chr6	32151258	32151258	+	5.337E-16	7.7195E-15	0.21356	hyper	sig	chr6_32151258
chr1	10704480	10704480	+	5.341E-16	7.7243E-15	0.302446	hyper	sig	chr1_10704480
chr1	1.1E+08	110072155	+	5.341E-16	7.7246E-15	-0.22462	hypo	sig	chr1_110072155
chr11	65048249	65048249	+	5.345E-16	7.7296E-15	0.282281	hyper	sig	chr11_65048249
chr10	1.2E+08	120457487	+	5.345E-16	7.7304E-15	0.309288	hyper	sig	chr10_120457487
chr19	58043147	58043147	+	5.35E-16	7.7364E-15	0.283355	hyper	sig	chr19_58043147
chr6	50843224	50843224	+	5.35E-16	7.7371E-15	0.283368	hyper	sig	chr6_50843224
chr9	1.37E+08	137031305	+	5.352E-16	7.7391E-15	-0.25279	hypo	sig	chr9_137031305
chr1	3651129	3651129	+	5.353E-16	7.7409E-15	0.263594	hyper	sig	chr1_3651129
chr7	1.51E+08	150720628	+	5.355E-16	7.7433E-15	-0.24248	hypo	sig	chr7_150720628
chr12	1.28E+08	128268550	+	5.359E-16	7.7487E-15	0.209324	hyper	sig	chr12_128268550
chr7	1.58E+08	157851491	+	5.361E-16	7.7515E-15	-0.23197	hypo	sig	chr7_157851491
chr1	2.4E+08	240207317	+	5.362E-16	7.7531E-15	-0.24155	hypo	sig	chr1_240207317
chr15	96782495	96782495	+	5.363E-16	7.7539E-15	-0.30821	hypo	sig	chr15_96782495
chr13	1.14E+08	114131268	+	5.363E-16	7.7539E-15	0.212394	hyper	sig	chr13_114131268
chr15	68430044	68430044	+	5.364E-16	7.7551E-15	-0.2106	hypo	sig	chr15_68430044
chr1	9321324	9321324	+	5.364E-16	7.7559E-15	0.249612	hyper	sig	chr1_9321324
chr5	3599488	3599488	+	5.366E-16	7.7583E-15	0.347527	hyper	sig	chr5_3599488
chr7	27160297	27160297	+	5.369E-16	7.762E-15	-0.2149	hypo	sig	chr7_27160297
chr16	49278652	49278652	+	5.371E-16	7.7654E-15	0.250011	hyper	sig	chr16_49278652
chr13	78594279	78594279	+	5.372E-16	7.7659E-15	0.294812	hyper	sig	chr13_78594279
chr1	1.44E+08	143905643	+	5.373E-16	7.7674E-15	0.208266	hyper	sig	chr1_143905643
chr20	40692739	40692739	+	5.373E-16	7.7677E-15	0.230691	hyper	sig	chr20_40692739
chr16	87616707	87616707	+	5.374E-16	7.7682E-15	-0.31862	hypo	sig	chr16_87616707

chr7	1159219	1159219	+	5.383E-16	7.781E-15	-0.20082	hypo	sig	chr7_1159219
chr14	76138718	76138718	+	5.383E-16	7.7818E-15	0.311724	hyper	sig	chr14_76138718
chr7	228008	228008	+	5.383E-16	7.7818E-15	-0.34412	hypo	sig	chr7_228008
chr19	43699558	43699558	+	5.384E-16	7.7823E-15	0.227909	hyper	sig	chr19_43699558
chr16	89664724	89664724	+	5.389E-16	7.7892E-15	0.271089	hyper	sig	chr16_89664724
chr20	50837768	50837768	+	5.395E-16	7.7986E-15	0.318723	hyper	sig	chr20_50837768
chr3	5096073	5096073	+	5.397E-16	7.801E-15	0.259637	hyper	sig	chr3_5096073
chr9	1.38E+08	137514182	+	5.398E-16	7.8016E-15	-0.27152	hypo	sig	chr9_137514182
chr12	1.32E+08	131686070	+	5.399E-16	7.803E-15	-0.25673	hypo	sig	chr12_131686070
chr10	27746790	27746790	+	5.4E-16	7.805E-15	0.202256	hyper	sig	chr10_27746790
chr8	53594912	53594912	+	5.404E-16	7.8101E-15	-0.26916	hypo	sig	chr8_53594912
chr19	58118328	58118328	+	5.405E-16	7.812E-15	0.304436	hyper	sig	chr19_58118328
chr11	68942353	68942353	+	5.406E-16	7.8128E-15	0.289104	hyper	sig	chr11_68942353
chr19	22709088	22709088	+	5.406E-16	7.813E-15	0.280202	hyper	sig	chr19_22709088
chr5	42971201	42971201	+	5.408E-16	7.8161E-15	0.212884	hyper	sig	chr5_42971201
chr14	94891737	94891737	+	5.409E-16	7.8165E-15	-0.21936	hypo	sig	chr14_94891737
chr14	36524672	36524672	+	5.41E-16	7.8184E-15	0.327532	hyper	sig	chr14_36524672
chr6	39322764	39322764	+	5.412E-16	7.8205E-15	-0.30905	hypo	sig	chr6_39322764
chr7	1.46E+08	146116471	+	5.414E-16	7.8244E-15	0.259312	hyper	sig	chr7_146116471
chr5	50969816	50969816	+	5.416E-16	7.826E-15	0.233716	hyper	sig	chr5_50969816
chr1	1925013	1925013	+	5.418E-16	7.829E-15	-0.21492	hypo	sig	chr1_1925013
chr9	1.33E+08	133497304	+	5.418E-16	7.8293E-15	0.237706	hyper	sig	chr9_133497304
chr9	1.24E+08	124487387	+	5.419E-16	7.8298E-15	0.313761	hyper	sig	chr9_124487387
chr19	56478477	56478477	+	5.419E-16	7.8298E-15	0.270848	hyper	sig	chr19_56478477
chr4	4226438	4226438	+	5.421E-16	7.8326E-15	0.247457	hyper	sig	chr4_4226438
chr11	59062687	59062687	+	5.425E-16	7.8381E-15	0.223766	hyper	sig	chr11_59062687
chr3	55470328	55470328	+	5.425E-16	7.8382E-15	-0.21471	hypo	sig	chr3_55470328
chr5	1.77E+08	176683280	+	5.43E-16	7.8451E-15	-0.24065	hypo	sig	chr5_176683280
chr1	14442902	14442902	+	5.433E-16	7.8499E-15	-0.28393	hypo	sig	chr1_14442902
chr2	2.2E+08	219523286	+	5.438E-16	7.8568E-15	0.246541	hyper	sig	chr2_219523286
chr1	1.19E+08	118985261	+	5.441E-16	7.8615E-15	0.281448	hyper	sig	chr1_118985261
chr11	69967423	69967423	+	5.444E-16	7.8647E-15	-0.2453	hypo	sig	chr11_69967423
chr2	9820599	9820599	+	5.446E-16	7.8673E-15	-0.30677	hypo	sig	chr2_9820599
chr2	2.42E+08	241985901	+	5.446E-16	7.8683E-15	-0.33006	hypo	sig	chr2_241985901
chr16	1526103	1526103	+	5.446E-16	7.8683E-15	-0.22437	hypo	sig	chr16_1526103
chr13	73062010	73062010	+	5.447E-16	7.8688E-15	-0.28529	hypo	sig	chr13_73062010
chr1	1.07E+08	107140294	+	5.455E-16	7.8802E-15	0.217684	hyper	sig	chr1_107140294
chr4	664200	664200	+	5.456E-16	7.8815E-15	0.209142	hyper	sig	chr4_664200
chr16	10182719	10182719	+	5.46E-16	7.8863E-15	0.26451	hyper	sig	chr16_10182719
chr6	30127793	30127793	+	5.462E-16	7.8902E-15	0.25514	hyper	sig	chr6_30127793
chr16	67884851	67884851	+	5.463E-16	7.8909E-15	0.319473	hyper	sig	chr16_67884851
chr1	3011917	3011917	+	5.463E-16	7.8911E-15	0.298161	hyper	sig	chr1_3011917
chr20	17227958	17227958	+	5.464E-16	7.8926E-15	0.2966	hyper	sig	chr20_17227958
chr16	89375185	89375185	+	5.468E-16	7.8975E-15	0.225585	hyper	sig	chr16_89375185
chr19	11409787	11409787	+	5.475E-16	7.9077E-15	-0.21907	hypo	sig	chr19_11409787
chr19	53058166	53058166	+	5.475E-16	7.9083E-15	0.336914	hyper	sig	chr19_53058166
chr11	1.29E+08	128694285	+	5.476E-16	7.9085E-15	0.326716	hyper	sig	chr11_128694285
chr7	35257569	35257569	+	5.479E-16	7.9131E-15	0.273873	hyper	sig	chr7_35257569
chr8	52414167	52414167	+	5.483E-16	7.9183E-15	0.311283	hyper	sig	chr8_52414167
chr11	65047809	65047809	+	5.484E-16	7.9207E-15	0.312445	hyper	sig	chr11_65047809
chr19	12997352	12997352	+	5.488E-16	7.9251E-15	0.241882	hyper	sig	chr19_12997352
chr22	45201093	45201093	+	5.491E-16	7.9295E-15	0.208063	hyper	sig	chr22_45201093
chr17	81911914	81911914	+	5.497E-16	7.9383E-15	0.221962	hyper	sig	chr17_81911914
chr12	48184422	48184422	+	5.506E-16	7.9501E-15	0.20748	hyper	sig	chr12_48184422
chr6	1.49E+08	148970550	+	5.507E-16	7.9517E-15	-0.27548	hypo	sig	chr6_148970550
chr22	46088143	46088143	+	5.508E-16	7.9531E-15	0.282126	hyper	sig	chr22_46088143

chr3	1.35E+08	134651248	+	5.509E-16	7.9552E-15	0.276369	hyper	sig	chr3_134651248
chr6	79947037	79947037	+	5.51E-16	7.9563E-15	0.225175	hyper	sig	chr6_79947037
chr3	1.6E+08	160451134	+	5.511E-16	7.957E-15	0.244535	hyper	sig	chr3_160451134
chr14	23119928	23119928	+	5.511E-16	7.9572E-15	-0.27298	hypo	sig	chr14_23119928
chr9	74888126	74888126	+	5.514E-16	7.9606E-15	-0.25107	hypo	sig	chr9_74888126
chr5	1.41E+08	141173520	+	5.514E-16	7.9612E-15	0.211164	hyper	sig	chr5_141173520
chr5	1.81E+08	181173988	+	5.521E-16	7.9712E-15	0.205506	hyper	sig	chr5_181173988
chr2	2.22E+08	222295681	+	5.521E-16	7.9712E-15	0.264275	hyper	sig	chr2_222295681
chr16	1088346	1088346	+	5.524E-16	7.9747E-15	-0.27917	hypo	sig	chr16_1088346
chr10	1.28E+08	127736922	+	5.53E-16	7.984E-15	0.360729	hyper	sig	chr10_127736922
chr1	30921012	30921012	+	5.531E-16	7.9855E-15	-0.27517	hypo	sig	chr1_30921012
chr5	1106953	1106953	+	5.534E-16	7.9884E-15	-0.30351	hypo	sig	chr5_1106953
chr4	8619634	8619634	+	5.547E-16	8.0077E-15	-0.23688	hypo	sig	chr4_8619634
chr2	44944726	44944726	+	5.55E-16	8.0119E-15	0.278441	hyper	sig	chr2_44944726
chr3	42936394	42936394	+	5.55E-16	8.0119E-15	0.210021	hyper	sig	chr3_42936394
chr19	57317780	57317780	+	5.565E-16	8.0327E-15	0.242117	hyper	sig	chr19_57317780
chr4	1.04E+08	103719996	+	5.566E-16	8.0332E-15	0.244999	hyper	sig	chr4_103719996
chr21	42838053	42838053	+	5.568E-16	8.0364E-15	0.31498	hyper	sig	chr21_42838053
chr6	1.49E+08	149457639	+	5.569E-16	8.0371E-15	0.226257	hyper	sig	chr6_149457639
chr15	52794891	52794891	+	5.57E-16	8.0398E-15	0.266362	hyper	sig	chr15_52794891
chr17	10171689	10171689	+	5.571E-16	8.0404E-15	-0.23568	hypo	sig	chr17_10171689
chr1	87327713	87327713	+	5.571E-16	8.0404E-15	0.221664	hyper	sig	chr1_87327713
chr9	93960830	93960830	+	5.573E-16	8.0432E-15	0.265276	hyper	sig	chr9_93960830
chr5	1.14E+08	113615542	+	5.575E-16	8.0451E-15	-0.27296	hypo	sig	chr5_113615542
chr6	1.7E+08	170223042	+	5.577E-16	8.0492E-15	-0.34499	hypo	sig	chr6_170223042
chr2	3145878	3145878	+	5.579E-16	8.0506E-15	-0.29603	hypo	sig	chr2_3145878
chr10	788507	788507	+	5.581E-16	8.0543E-15	-0.25238	hypo	sig	chr10_788507
chr4	1035761	1035761	+	5.585E-16	8.0587E-15	-0.27027	hypo	sig	chr4_1035761
chr3	1.47E+08	147409930	+	5.591E-16	8.0682E-15	0.291907	hyper	sig	chr3_147409930
chr17	68198860	68198860	+	5.593E-16	8.0699E-15	0.203559	hyper	sig	chr17_68198860
chr9	1.19E+08	119369871	+	5.593E-16	8.07E-15	0.283361	hyper	sig	chr9_119369871
chr14	60485554	60485554	+	5.595E-16	8.0735E-15	0.237606	hyper	sig	chr14_60485554
chr1	3248011	3248011	+	5.596E-16	8.0752E-15	0.315182	hyper	sig	chr1_3248011
chr7	1.57E+08	156949179	+	5.602E-16	8.0823E-15	0.226497	hyper	sig	chr7_156949179
chr15	23447349	23447349	+	5.602E-16	8.0827E-15	-0.33162	hypo	sig	chr15_23447349
chr17	77893329	77893329	+	5.604E-16	8.0857E-15	-0.22767	hypo	sig	chr17_77893329
chr4	1.75E+08	175428604	+	5.605E-16	8.0874E-15	-0.29146	hypo	sig	chr4_175428604
chr10	15719309	15719309	+	5.607E-16	8.0888E-15	0.214841	hyper	sig	chr10_15719309
chr11	1.29E+08	128549409	+	5.607E-16	8.0898E-15	0.30302	hyper	sig	chr11_128549409
chr16	85112528	85112528	+	5.608E-16	8.0907E-15	-0.25584	hypo	sig	chr16_85112528
chr5	51387557	51387557	+	5.613E-16	8.0973E-15	0.236606	hyper	sig	chr5_51387557
chr2	1.07E+08	106585859	+	5.614E-16	8.0996E-15	-0.31516	hypo	sig	chr2_106585859
chr1	17420101	17420101	+	5.615E-16	8.1002E-15	0.243159	hyper	sig	chr1_17420101
chr13	45851536	45851536	+	5.617E-16	8.1036E-15	0.248409	hyper	sig	chr13_45851536
chr10	1.3E+08	129965395	+	5.62E-16	8.1066E-15	0.300805	hyper	sig	chr10_129965395
chr6	28810469	28810469	+	5.62E-16	8.1066E-15	0.254352	hyper	sig	chr6_28810469
chr1	2.44E+08	243930502	+	5.622E-16	8.1091E-15	-0.27253	hypo	sig	chr1_243930502
chr16	31569203	31569203	+	5.624E-16	8.1118E-15	0.287186	hyper	sig	chr16_31569203
chr10	99527897	99527897	+	5.64E-16	8.1351E-15	0.266442	hyper	sig	chr10_99527897
chr8	1.08E+08	108082343	+	5.641E-16	8.1364E-15	0.248152	hyper	sig	chr8_108082343
chr19	50695689	50695689	+	5.66E-16	8.1629E-15	0.286498	hyper	sig	chr19_50695689
chr7	1.5E+08	149821877	+	5.664E-16	8.1694E-15	-0.3245	hypo	sig	chr7_149821877
chr5	1.41E+08	141373882	+	5.668E-16	8.1739E-15	0.222983	hyper	sig	chr5_141373882
chr7	64045909	64045909	+	5.668E-16	8.1739E-15	0.247581	hyper	sig	chr7_64045909
chr8	1.42E+08	141602804	+	5.673E-16	8.1818E-15	-0.25966	hypo	sig	chr8_141602804
chr9	98944395	98944395	+	5.68E-16	8.1918E-15	0.235401	hyper	sig	chr9_98944395

chr8	1.43E+08	143417796	+	5.682E-16	8.1937E-15	-0.24662	hypo	sig	chr8_143417796
chr5	1.81E+08	180607895	+	5.686E-16	8.1993E-15	-0.27079	hypo	sig	chr5_180607895
chr6	1.66E+08	165988601	+	5.687E-16	8.2007E-15	0.24083	hyper	sig	chr6_165988601
chr5	88889951	88889951	+	5.69E-16	8.2044E-15	0.220964	hyper	sig	chr5_88889951
chr12	1.22E+08	121582252	+	5.691E-16	8.2063E-15	0.30241	hyper	sig	chr12_121582252
chr9	1.37E+08	136821272	+	5.693E-16	8.2092E-15	0.240956	hyper	sig	chr9_136821272
chr5	1.14E+08	114055925	+	5.696E-16	8.2127E-15	0.251627	hyper	sig	chr5_114055925
chr5	1119533	1119533	+	5.697E-16	8.2136E-15	-0.26983	hypo	sig	chr5_1119533
chr5	64506174	64506174	+	5.698E-16	8.2153E-15	0.263766	hyper	sig	chr5_64506174
chr17	82302453	82302453	+	5.71E-16	8.2327E-15	-0.25211	hypo	sig	chr17_82302453
chr17	44558456	44558456	+	5.713E-16	8.2363E-15	0.276481	hyper	sig	chr17_44558456
chr5	2006255	2006255	+	5.713E-16	8.2369E-15	-0.22274	hypo	sig	chr5_2006255
chr7	1.21E+08	121060111	+	5.713E-16	8.2371E-15	-0.2266	hypo	sig	chr7_121060111
chr15	20356814	20356814	+	5.714E-16	8.2372E-15	-0.20394	hypo	sig	chr15_20356814
chr11	62547411	62547411	+	5.714E-16	8.2382E-15	0.231165	hyper	sig	chr11_62547411
chr4	81214859	81214859	+	5.715E-16	8.2387E-15	0.210485	hyper	sig	chr4_81214859
chr5	1.11E+08	111070873	+	5.716E-16	8.2409E-15	0.292698	hyper	sig	chr5_111070873
chr1	1.5E+08	149900151	+	5.72E-16	8.246E-15	0.26969	hyper	sig	chr1_149900151
chr1	48777781	48777781	+	5.721E-16	8.2466E-15	0.334364	hyper	sig	chr1_48777781
chr7	1.5E+08	149831536	+	5.724E-16	8.2507E-15	-0.29809	hypo	sig	chr7_149831536
chr8	58150670	58150670	+	5.726E-16	8.2536E-15	-0.22767	hypo	sig	chr8_58150670
chr1	1.21E+08	121118314	+	5.726E-16	8.2546E-15	0.2352	hyper	sig	chr1_121118314
chr8	1636980	1636980	+	5.736E-16	8.268E-15	-0.2141	hypo	sig	chr8_1636980
chr3	63278522	63278522	+	5.736E-16	8.2683E-15	0.310165	hyper	sig	chr3_63278522
chr10	1.3E+08	129884005	+	5.737E-16	8.2689E-15	-0.22618	hypo	sig	chr10_129884005
chr11	18792474	18792474	+	5.743E-16	8.2768E-15	0.228335	hyper	sig	chr11_18792474
chr6	13014840	13014840	+	5.746E-16	8.2821E-15	0.239035	hyper	sig	chr6_13014840
chr10	1.05E+08	104641551	+	5.752E-16	8.2908E-15	0.259538	hyper	sig	chr10_104641551
chr16	1548816	1548816	+	5.756E-16	8.2956E-15	-0.24199	hypo	sig	chr16_1548816
chr19	372978	372978	+	5.761E-16	8.3018E-15	-0.22521	hypo	sig	chr19_372978
chr7	1.5E+08	150048962	+	5.761E-16	8.3023E-15	0.213334	hyper	sig	chr7_150048962
chr2	95026240	95026240	+	5.762E-16	8.3032E-15	0.255919	hyper	sig	chr2_95026240
chr16	58280682	58280682	+	5.763E-16	8.3044E-15	-0.20541	hypo	sig	chr16_58280682
chr8	1.43E+08	142540992	+	5.763E-16	8.3046E-15	-0.29571	hypo	sig	chr8_142540992
chr2	2186409	2186409	+	5.772E-16	8.3168E-15	-0.21733	hypo	sig	chr2_2186409
chr16	3184176	3184176	+	5.772E-16	8.3178E-15	0.274321	hyper	sig	chr16_3184176
chr4	1.11E+08	110609744	+	5.773E-16	8.318E-15	0.248575	hyper	sig	chr4_110609744
chr5	1.8E+08	180090161	+	5.774E-16	8.32E-15	0.314353	hyper	sig	chr5_180090161
chr1	21553495	21553495	+	5.775E-16	8.3214E-15	-0.26375	hypo	sig	chr1_21553495
chr1	2.06E+08	205568655	+	5.786E-16	8.3362E-15	0.245479	hyper	sig	chr1_205568655
chr3	27724505	27724505	+	5.787E-16	8.3378E-15	0.37044	hyper	sig	chr3_27724505
chr5	1.38E+08	137870663	+	5.788E-16	8.339E-15	-0.20148	hypo	sig	chr5_137870663
chr7	27245154	27245154	+	5.788E-16	8.339E-15	0.324779	hyper	sig	chr7_27245154
chr12	1.33E+08	132608978	+	5.794E-16	8.347E-15	-0.35506	hypo	sig	chr12_132608978
chr15	93066226	93066226	+	5.794E-16	8.348E-15	0.226651	hyper	sig	chr15_93066226
chr13	1.12E+08	112068904	+	5.795E-16	8.3495E-15	0.343705	hyper	sig	chr13_112068904
chr9	1.33E+08	132877803	+	5.796E-16	8.3498E-15	0.22916	hyper	sig	chr9_132877803
chr14	99246032	99246032	+	5.796E-16	8.3499E-15	0.243625	hyper	sig	chr14_99246032
chr12	1.32E+08	132260997	+	5.798E-16	8.3525E-15	-0.30005	hypo	sig	chr12_132260997
chr9	37002736	37002736	+	5.798E-16	8.3527E-15	0.310463	hyper	sig	chr9_37002736
chr1	1.59E+08	159168427	+	5.806E-16	8.3631E-15	-0.29971	hypo	sig	chr1_159168427
chr3	1.26E+08	126288600	+	5.808E-16	8.3666E-15	-0.22437	hypo	sig	chr3_126288600
chr12	62191345	62191345	+	5.809E-16	8.3671E-15	0.258696	hyper	sig	chr12_62191345
chr20	21517462	21517462	+	5.81E-16	8.3691E-15	0.29299	hyper	sig	chr20_21517462
chr16	67651547	67651547	+	5.813E-16	8.3727E-15	-0.31642	hypo	sig	chr16_67651547
chr10	1.01E+08	101236707	+	5.814E-16	8.3742E-15	0.244231	hyper	sig	chr10_101236707

chr17	76264609	76264609	+	5.814E-16	8.3748E-15	-0.26239	hypo	sig	chr17_76264609
chr12	4445443	4445443	+	5.817E-16	8.3777E-15	-0.23286	hypo	sig	chr12_4445443
chr1	54781708	54781708	+	5.821E-16	8.3833E-15	0.244232	hyper	sig	chr1_54781708
chr7	161935	161935	+	5.827E-16	8.393E-15	0.256395	hyper	sig	chr7_161935
chr3	62374167	62374167	+	5.828E-16	8.3935E-15	0.219347	hyper	sig	chr3_62374167
chr7	1.51E+08	151014017	+	5.84E-16	8.411E-15	0.28415	hyper	sig	chr7_151014017
chr19	50625141	50625141	+	5.842E-16	8.4129E-15	-0.29808	hypo	sig	chr19_50625141
chr19	4911049	4911049	+	5.842E-16	8.4134E-15	-0.26466	hypo	sig	chr19_4911049
chr12	49961565	49961565	+	5.846E-16	8.4185E-15	0.251578	hyper	sig	chr12_49961565
chr6	1.5E+08	149964559	+	5.846E-16	8.4186E-15	0.207653	hyper	sig	chr6_149964559
chr22	20204908	20204908	+	5.846E-16	8.4188E-15	0.25275	hyper	sig	chr22_20204908
chr8	55449466	55449466	+	5.859E-16	8.4366E-15	-0.27073	hypo	sig	chr8_55449466
chr11	69654342	69654342	+	5.86E-16	8.4386E-15	-0.21123	hypo	sig	chr11_69654342
chr20	59604959	59604959	+	5.862E-16	8.4413E-15	0.336184	hyper	sig	chr20_59604959
chr7	1.32E+08	131538658	+	5.869E-16	8.4508E-15	-0.35125	hypo	sig	chr7_131538658
chr7	1.59E+08	158977579	+	5.871E-16	8.4539E-15	-0.26153	hypo	sig	chr7_158977579
chr13	1.12E+08	112057730	+	5.872E-16	8.454E-15	0.272998	hyper	sig	chr13_112057730
chr10	1.32E+08	132036173	+	5.875E-16	8.4581E-15	0.236146	hyper	sig	chr10_132036173
chr8	72251537	72251537	+	5.884E-16	8.4709E-15	0.316169	hyper	sig	chr8_72251537
chr16	67185220	67185220	+	5.885E-16	8.472E-15	0.233014	hyper	sig	chr16_67185220
chr19	56765254	56765254	+	5.885E-16	8.4721E-15	0.287008	hyper	sig	chr19_56765254
chr15	84080046	84080046	+	5.885E-16	8.4725E-15	0.207103	hyper	sig	chr15_84080046
chr2	2.4E+08	240411287	+	5.887E-16	8.4746E-15	-0.27233	hypo	sig	chr2_240411287
chr10	1.33E+08	133277061	+	5.889E-16	8.4773E-15	0.211708	hyper	sig	chr10_133277061
chr11	3050066	3050066	+	5.891E-16	8.4802E-15	-0.20891	hypo	sig	chr11_3050066
chr2	2.42E+08	242011725	+	5.894E-16	8.4838E-15	-0.27021	hypo	sig	chr2_242011725
chr13	25300743	25300743	+	5.9E-16	8.4934E-15	0.208929	hyper	sig	chr13_25300743
chr4	1.54E+08	153793740	+	5.903E-16	8.4971E-15	-0.25592	hypo	sig	chr4_153793740
chr3	1.82E+08	181725242	+	5.907E-16	8.5027E-15	0.246445	hyper	sig	chr3_181725242
chr5	1.41E+08	140876715	+	5.908E-16	8.5042E-15	0.298902	hyper	sig	chr5_140876715
chr6	1.7E+08	170423165	+	5.916E-16	8.5144E-15	0.26484	hyper	sig	chr6_170423165
chr17	2071964	2071964	+	5.918E-16	8.5179E-15	0.287903	hyper	sig	chr17_2071964
chr17	76537202	76537202	+	5.93E-16	8.5347E-15	0.302999	hyper	sig	chr17_76537202
chr3	13884130	13884130	+	5.938E-16	8.5465E-15	-0.28741	hypo	sig	chr3_13884130
chr5	1.79E+08	178520487	+	5.939E-16	8.5473E-15	-0.28158	hypo	sig	chr5_178520487
chr15	28832479	28832479	+	5.941E-16	8.5493E-15	0.228955	hyper	sig	chr15_28832479
chr2	23381387	23381387	+	5.948E-16	8.5601E-15	-0.23027	hypo	sig	chr2_23381387
chr17	78140939	78140939	+	5.949E-16	8.5612E-15	-0.30891	hypo	sig	chr17_78140939
chr17	28717611	28717611	+	5.953E-16	8.567E-15	0.266652	hyper	sig	chr17_28717611
chr8	52941581	52941581	+	5.955E-16	8.5695E-15	0.348058	hyper	sig	chr8_52941581
chr22	17370749	17370749	+	5.957E-16	8.5722E-15	0.253156	hyper	sig	chr22_17370749
chr5	1.41E+08	141476983	+	5.958E-16	8.5735E-15	0.2882	hyper	sig	chr5_141476983
chr12	1.32E+08	132322938	+	5.96E-16	8.5757E-15	0.28528	hyper	sig	chr12_132322938
chr11	67978586	67978586	+	5.963E-16	8.5799E-15	-0.21641	hypo	sig	chr11_67978586
chr10	8036103	8036103	+	5.964E-16	8.5818E-15	0.280227	hyper	sig	chr10_8036103
chr19	45815356	45815356	+	5.971E-16	8.5914E-15	0.343365	hyper	sig	chr19_45815356
chr4	41882552	41882552	+	5.975E-16	8.5967E-15	0.25054	hyper	sig	chr4_41882552
chr16	1533882	1533882	+	5.977E-16	8.5989E-15	0.22318	hyper	sig	chr16_1533882
chr3	13283412	13283412	+	5.981E-16	8.6044E-15	0.210928	hyper	sig	chr3_13283412
chr1	16520634	16520634	+	5.981E-16	8.6048E-15	0.226801	hyper	sig	chr1_16520634
chr4	5711819	5711819	+	5.983E-16	8.6073E-15	0.236165	hyper	sig	chr4_5711819
chr8	79611231	79611231	+	5.983E-16	8.6075E-15	0.234888	hyper	sig	chr8_79611231
chr13	78587019	78587019	+	5.985E-16	8.6096E-15	0.314738	hyper	sig	chr13_78587019
chr6	37078047	37078047	+	5.989E-16	8.6151E-15	0.298464	hyper	sig	chr6_37078047
chr3	51711305	51711305	+	5.989E-16	8.6159E-15	-0.25712	hypo	sig	chr3_51711305
chr15	98651179	98651179	+	5.995E-16	8.6236E-15	0.21631	hyper	sig	chr15_98651179

chr6	40378296	40378296	+	6.01E-16	8.6452E-15	-0.3076	hypo	sig	chr6_40378296
chr11	8806061	8806061	+	6.013E-16	8.6487E-15	0.225107	hyper	sig	chr11_8806061
chr22	43090466	43090466	+	6.015E-16	8.6515E-15	-0.21151	hypo	sig	chr22_43090466
chr9	35676247	35676247	+	6.016E-16	8.6537E-15	0.323097	hyper	sig	chr9_35676247
chr20	40690877	40690877	+	6.017E-16	8.6548E-15	0.234495	hyper	sig	chr20_40690877
chr15	25713815	25713815	+	6.019E-16	8.6568E-15	-0.2664	hypo	sig	chr15_25713815
chr8	93699922	93699922	+	6.021E-16	8.6594E-15	0.218654	hyper	sig	chr8_93699922
chr9	1.11E+08	110579224	+	6.021E-16	8.6602E-15	0.228124	hyper	sig	chr9_110579224
chr16	81693074	81693074	+	6.022E-16	8.6609E-15	0.285367	hyper	sig	chr16_81693074
chr16	54934947	54934947	+	6.022E-16	8.6614E-15	0.31169	hyper	sig	chr16_54934947
chr7	1.41E+08	141074809	+	6.023E-16	8.6627E-15	0.216456	hyper	sig	chr7_141074809
chr11	1333619	1333619	+	6.03E-16	8.6712E-15	-0.21854	hypo	sig	chr11_1333619
chr15	28832154	28832154	+	6.031E-16	8.6731E-15	0.250473	hyper	sig	chr15_28832154
chr4	1.74E+08	173516768	+	6.033E-16	8.6759E-15	0.240546	hyper	sig	chr4_173516768
chr8	1.08E+08	108082282	+	6.034E-16	8.6772E-15	0.270873	hyper	sig	chr8_108082282
chr7	49776061	49776061	+	6.038E-16	8.6821E-15	0.210473	hyper	sig	chr7_49776061
chr11	1.12E+08	111513154	+	6.038E-16	8.6829E-15	0.224523	hyper	sig	chr11_111513154
chr16	50712015	50712015	+	6.044E-16	8.6906E-15	0.238249	hyper	sig	chr16_50712015
chr10	99236588	99236588	+	6.046E-16	8.6939E-15	0.278575	hyper	sig	chr10_99236588
chr10	1.33E+08	133241311	+	6.047E-16	8.6949E-15	-0.24735	hypo	sig	chr10_133241311
chr11	20163793	20163793	+	6.049E-16	8.698E-15	0.241702	hyper	sig	chr11_20163793
chr3	1.2E+08	120451627	+	6.05E-16	8.6994E-15	0.297797	hyper	sig	chr3_120451627
chr3	1.45E+08	145333488	+	6.051E-16	8.7E-15	-0.23889	hypo	sig	chr3_145333488
chr12	4909649	4909649	+	6.063E-16	8.7172E-15	0.218455	hyper	sig	chr12_4909649
chr19	45783322	45783322	+	6.069E-16	8.7252E-15	0.291614	hyper	sig	chr19_45783322
chr3	63278132	63278132	+	6.071E-16	8.7287E-15	0.246695	hyper	sig	chr3_63278132
chr19	53058317	53058317	+	6.072E-16	8.7297E-15	0.316016	hyper	sig	chr19_53058317
chr11	65626025	65626025	+	6.087E-16	8.75E-15	0.341571	hyper	sig	chr11_65626025
chr8	38468855	38468855	+	6.087E-16	8.7503E-15	0.256117	hyper	sig	chr8_38468855
chr6	28636006	28636006	+	6.09E-16	8.7551E-15	0.20684	hyper	sig	chr6_28636006
chr16	89668780	89668780	+	6.092E-16	8.7577E-15	-0.24598	hypo	sig	chr16_89668780
chr19	30224764	30224764	+	6.096E-16	8.7627E-15	0.210465	hyper	sig	chr19_30224764
chr5	1.41E+08	141100399	+	6.101E-16	8.7706E-15	0.25116	hyper	sig	chr5_141100399
chr7	27118180	27118180	+	6.102E-16	8.7718E-15	0.311911	hyper	sig	chr7_27118180
chr22	26169985	26169985	+	6.105E-16	8.7758E-15	0.321535	hyper	sig	chr22_26169985
chr9	1.36E+08	136155713	+	6.11E-16	8.7823E-15	-0.27719	hypo	sig	chr9_136155713
chr3	1.84E+08	184338723	+	6.112E-16	8.7849E-15	0.360405	hyper	sig	chr3_184338723
chr7	1.3E+08	130491427	+	6.112E-16	8.7849E-15	0.213125	hyper	sig	chr7_130491427
chr15	30883106	30883106	+	6.113E-16	8.786E-15	-0.24212	hypo	sig	chr15_30883106
chr19	55487440	55487440	+	6.115E-16	8.7881E-15	0.325937	hyper	sig	chr19_55487440
chr3	1.38E+08	137771851	+	6.115E-16	8.7881E-15	0.20442	hyper	sig	chr3_137771851
chr3	1.28E+08	128481848	+	6.116E-16	8.7899E-15	0.344393	hyper	sig	chr3_128481848
chr1	10651487	10651487	+	6.117E-16	8.7916E-15	0.238108	hyper	sig	chr1_10651487
chr16	84832602	84832602	+	6.126E-16	8.8032E-15	0.244418	hyper	sig	chr16_84832602
chr19	23070595	23070595	+	6.127E-16	8.8047E-15	0.278852	hyper	sig	chr19_23070595
chr1	2.21E+08	220878627	+	6.128E-16	8.8066E-15	0.215385	hyper	sig	chr1_220878627
chr17	40779619	40779619	+	6.129E-16	8.8082E-15	0.205561	hyper	sig	chr17_40779619
chr14	75281622	75281622	+	6.131E-16	8.8099E-15	-0.20992	hypo	sig	chr14_75281622
chr7	4236129	4236129	+	6.134E-16	8.8149E-15	-0.21688	hypo	sig	chr7_4236129
chr13	57634216	57634216	+	6.135E-16	8.8153E-15	0.242479	hyper	sig	chr13_57634216
chr2	1.72E+08	172108487	+	6.14E-16	8.8232E-15	0.251776	hyper	sig	chr2_172108487
chr1	2.44E+08	243917435	+	6.142E-16	8.8252E-15	0.283574	hyper	sig	chr1_243917435
chr3	1.82E+08	181720306	+	6.144E-16	8.8277E-15	0.262595	hyper	sig	chr3_181720306
chr8	1.42E+08	142119742	+	6.145E-16	8.8291E-15	-0.37467	hypo	sig	chr8_142119742
chr3	1.97E+08	196978848	+	6.145E-16	8.8292E-15	0.256069	hyper	sig	chr3_196978848
chr16	67165503	67165503	+	6.148E-16	8.8337E-15	0.382667	hyper	sig	chr16_67165503

chr12	2679616	2679616	+	6.153E-16	8.8404E-15	-0.24121	hypo	sig	chr12_2679616
chr2	2.4E+08	239736831	+	6.158E-16	8.848E-15	-0.29804	hypo	sig	chr2_239736831
chr16	86497200	86497200	+	6.159E-16	8.8485E-15	0.266447	hyper	sig	chr16_86497200
chr11	45355773	45355773	+	6.161E-16	8.8506E-15	0.239069	hyper	sig	chr11_45355773
chr21	42838085	42838085	+	6.162E-16	8.8521E-15	0.267759	hyper	sig	chr21_42838085
chr2	27282725	27282725	+	6.169E-16	8.862E-15	0.206731	hyper	sig	chr2_27282725
chr9	1.37E+08	137294066	+	6.174E-16	8.8691E-15	-0.29042	hypo	sig	chr9_137294066
chr22	44180908	44180908	+	6.175E-16	8.8711E-15	-0.30077	hypo	sig	chr22_44180908
chr12	1.31E+08	131057488	+	6.179E-16	8.8764E-15	-0.26204	hypo	sig	chr12_131057488
chr16	66579319	66579319	+	6.184E-16	8.883E-15	0.247705	hyper	sig	chr16_66579319
chr8	1.4E+08	139703481	+	6.186E-16	8.8861E-15	0.341283	hyper	sig	chr8_139703481
chr11	2825804	2825804	+	6.193E-16	8.8955E-15	0.260125	hyper	sig	chr11_2825804
chr9	1.35E+08	134967787	+	6.198E-16	8.9031E-15	0.306002	hyper	sig	chr9_134967787
chr6	31728402	31728402	+	6.199E-16	8.9034E-15	0.354689	hyper	sig	chr6_31728402
chr12	1.32E+08	132260985	+	6.199E-16	8.9038E-15	-0.32227	hypo	sig	chr12_132260985
chr7	1.57E+08	157462614	+	6.202E-16	8.9076E-15	-0.26713	hypo	sig	chr7_157462614
chr8	1.16E+08	115648327	+	6.204E-16	8.9101E-15	0.340683	hyper	sig	chr8_115648327
chr10	98445801	98445801	+	6.204E-16	8.9107E-15	0.222044	hyper	sig	chr10_98445801
chr6	7051070	7051070	+	6.205E-16	8.9109E-15	-0.28091	hypo	sig	chr6_7051070
chr16	31569616	31569616	+	6.206E-16	8.9126E-15	0.262741	hyper	sig	chr16_31569616
chr1	21933573	21933573	+	6.215E-16	8.9251E-15	0.300581	hyper	sig	chr1_21933573
chr7	1733609	1733609	+	6.217E-16	8.928E-15	-0.2599	hypo	sig	chr7_1733609
chr9	97505419	97505419	+	6.217E-16	8.9283E-15	-0.28366	hypo	sig	chr9_97505419
chr1	18113871	18113871	+	6.22E-16	8.9317E-15	-0.31273	hypo	sig	chr1_18113871
chr8	46105102	46105102	+	6.222E-16	8.9348E-15	-0.28839	hypo	sig	chr8_46105102
chr10	634412	634412	+	6.229E-16	8.9455E-15	0.208902	hyper	sig	chr10_634412
chr7	1.4E+08	140435811	+	6.234E-16	8.9526E-15	0.268822	hyper	sig	chr7_140435811
chr2	47528749	47528749	+	6.237E-16	8.9566E-15	-0.21787	hypo	sig	chr2_47528749
chr10	1173349	1173349	+	6.24E-16	8.9596E-15	-0.26797	hypo	sig	chr10_1173349
chr12	1.08E+08	107580508	+	6.245E-16	8.9667E-15	-0.22863	hypo	sig	chr12_107580508
chr15	40128879	40128879	+	6.253E-16	8.9778E-15	-0.23403	hypo	sig	chr15_40128879
chr13	66009481	66009481	+	6.259E-16	8.986E-15	-0.23235	hypo	sig	chr13_66009481
chr13	36155003	36155003	+	6.261E-16	8.9891E-15	0.264591	hyper	sig	chr13_36155003
chr10	70283782	70283782	+	6.269E-16	9.0007E-15	0.284629	hyper	sig	chr10_70283782
chr7	27145931	27145931	+	6.272E-16	9.0047E-15	0.275439	hyper	sig	chr7_27145931
chr5	535932	535932	+	6.277E-16	9.0106E-15	-0.2559	hypo	sig	chr5_535932
chr12	34106181	34106181	+	6.281E-16	9.0169E-15	-0.25388	hypo	sig	chr12_34106181
chr2	23524114	23524114	+	6.282E-16	9.0176E-15	0.243185	hyper	sig	chr2_23524114
chr5	1.77E+08	177128977	+	6.283E-16	9.0193E-15	-0.31811	hypo	sig	chr5_177128977
chr12	1.08E+08	108339593	+	6.284E-16	9.0201E-15	0.230697	hyper	sig	chr12_108339593
chr11	65641025	65641025	+	6.285E-16	9.0221E-15	-0.2123	hypo	sig	chr11_65641025
chr8	68332242	68332242	+	6.293E-16	9.0325E-15	0.299196	hyper	sig	chr8_68332242
chr7	1.43E+08	142796560	+	6.293E-16	9.0326E-15	0.302132	hyper	sig	chr7_142796560
chr14	36659369	36659369	+	6.294E-16	9.0336E-15	0.269743	hyper	sig	chr14_36659369
chr11	66559349	66559349	+	6.298E-16	9.0399E-15	0.229784	hyper	sig	chr11_66559349
chr17	35432563	35432563	+	6.303E-16	9.0458E-15	0.219134	hyper	sig	chr17_35432563
chr17	14304293	14304293	+	6.304E-16	9.0476E-15	0.324871	hyper	sig	chr17_14304293
chr6	1.37E+08	137492997	+	6.307E-16	9.0523E-15	0.256791	hyper	sig	chr6_137492997
chr19	39891988	39891988	+	6.308E-16	9.0536E-15	0.262459	hyper	sig	chr19_39891988
chr19	35302620	35302620	+	6.319E-16	9.0693E-15	-0.26664	hypo	sig	chr19_35302620
chr5	1877853	1877853	+	6.327E-16	9.0804E-15	0.303376	hyper	sig	chr5_1877853
chr16	88962647	88962647	+	6.328E-16	9.0806E-15	-0.27824	hypo	sig	chr16_88962647
chr6	32221188	32221188	+	6.333E-16	9.0877E-15	-0.23926	hypo	sig	chr6_32221188
chr19	53907948	53907948	+	6.336E-16	9.0916E-15	0.318267	hyper	sig	chr19_53907948
chr15	96409021	96409021	+	6.339E-16	9.096E-15	0.226075	hyper	sig	chr15_96409021
chr9	1.13E+08	112945474	+	6.34E-16	9.0977E-15	-0.26005	hypo	sig	chr9_112945474

chr7	1.41E+08	141074804	+	6.347E-16	9.1072E-15	0.227654	hyper	sig	chr7_141074804
chr5	1.41E+08	140870845	+	6.359E-16	9.1245E-15	0.296539	hyper	sig	chr5_140870845
chr1	1.57E+08	156656978	+	6.361E-16	9.1267E-15	0.238586	hyper	sig	chr1_156656978
chr2	2.39E+08	239483107	+	6.363E-16	9.13E-15	-0.27632	hypo	sig	chr2_239483107
chr19	55647970	55647970	+	6.365E-16	9.1324E-15	0.23496	hyper	sig	chr19_55647970
chr5	1.41E+08	140850309	+	6.365E-16	9.1324E-15	0.33717	hyper	sig	chr5_140850309
chr3	1.47E+08	147407985	+	6.367E-16	9.1347E-15	0.240819	hyper	sig	chr3_147407985
chr1	1354415	1354415	+	6.368E-16	9.1354E-15	-0.27186	hypo	sig	chr1_1354415
chr2	94871653	94871653	+	6.377E-16	9.1489E-15	0.227003	hyper	sig	chr2_94871653
chr17	14299880	14299880	+	6.391E-16	9.1673E-15	0.210102	hyper	sig	chr17_14299880
chr19	49182709	49182709	+	6.391E-16	9.1678E-15	0.206487	hyper	sig	chr19_49182709
chr4	1.55E+08	154744674	+	6.401E-16	9.1822E-15	0.254353	hyper	sig	chr4_154744674
chr7	19117845	19117845	+	6.409E-16	9.1933E-15	0.280973	hyper	sig	chr7_19117845
chr7	1.55E+08	155374922	+	6.411E-16	9.1951E-15	0.257068	hyper	sig	chr7_155374922
chr20	63534247	63534247	+	6.417E-16	9.2043E-15	0.260211	hyper	sig	chr20_63534247
chr20	49910167	49910167	+	6.418E-16	9.2044E-15	-0.25967	hypo	sig	chr20_49910167
chr7	4214762	4214762	+	6.419E-16	9.2065E-15	-0.3226	hypo	sig	chr7_4214762
chr12	1.31E+08	131125256	+	6.421E-16	9.2094E-15	-0.23815	hypo	sig	chr12_131125256
chr2	2.36E+08	235508955	+	6.424E-16	9.2135E-15	-0.25835	hypo	sig	chr2_235508955
chr1	40800625	40800625	+	6.425E-16	9.2141E-15	0.225351	hyper	sig	chr1_40800625
chr13	1.12E+08	111920898	+	6.433E-16	9.2262E-15	-0.25145	hypo	sig	chr13_111920898
chr16	51163548	51163548	+	6.437E-16	9.2312E-15	-0.25099	hypo	sig	chr16_51163548
chr15	67826186	67826186	+	6.438E-16	9.2324E-15	0.266891	hyper	sig	chr15_67826186
chr11	31806433	31806433	+	6.443E-16	9.2388E-15	0.220703	hyper	sig	chr11_31806433
chr3	12798794	12798794	+	6.444E-16	9.2412E-15	0.212291	hyper	sig	chr3_12798794
chr14	1.01E+08	101456914	+	6.445E-16	9.2422E-15	0.270293	hyper	sig	chr14_101456914
chr10	666071	666071	+	6.446E-16	9.2439E-15	0.218243	hyper	sig	chr10_666071
chr7	23490933	23490933	+	6.447E-16	9.2449E-15	0.241122	hyper	sig	chr7_23490933
chr6	1.29E+08	128583941	+	6.448E-16	9.2457E-15	-0.24944	hypo	sig	chr6_128583941
chr5	43037504	43037504	+	6.449E-16	9.2475E-15	0.253887	hyper	sig	chr5_43037504
chr3	1.95E+08	195064919	+	6.455E-16	9.2554E-15	0.295101	hyper	sig	chr3_195064919
chr1	34977117	34977117	+	6.456E-16	9.2571E-15	0.291402	hyper	sig	chr1_34977117
chr2	1837271	1837271	+	6.458E-16	9.2589E-15	-0.23817	hypo	sig	chr2_1837271
chr2	2.42E+08	241814858	+	6.463E-16	9.266E-15	-0.32176	hypo	sig	chr2_241814858
chr1	2.28E+08	228469835	+	6.466E-16	9.2711E-15	0.244429	hyper	sig	chr1_228469835
chr21	40841772	40841772	+	6.467E-16	9.2724E-15	0.205488	hyper	sig	chr21_40841772
chr6	1.34E+08	133889529	+	6.468E-16	9.2727E-15	0.28977	hyper	sig	chr6_133889529
chr2	2.33E+08	232636970	+	6.468E-16	9.2732E-15	-0.26799	hypo	sig	chr2_232636970
chr4	1.54E+08	153789221	+	6.469E-16	9.2736E-15	0.282285	hyper	sig	chr4_153789221
chr3	1.57E+08	157120355	+	6.47E-16	9.2752E-15	-0.20146	hypo	sig	chr3_157120355
chr17	18636572	18636572	+	6.473E-16	9.2788E-15	-0.27224	hypo	sig	chr17_18636572
chr1	1.1E+08	110068256	+	6.477E-16	9.2843E-15	0.231176	hyper	sig	chr1_110068256
chr5	1.41E+08	141415293	+	6.48E-16	9.2896E-15	0.298151	hyper	sig	chr5_141415293
chr3	1.41E+08	141051965	+	6.481E-16	9.2897E-15	0.214016	hyper	sig	chr3_141051965
chr13	19818350	19818350	+	6.492E-16	9.3062E-15	0.216526	hyper	sig	chr13_19818350
chr4	52076984	52076984	+	6.498E-16	9.3137E-15	0.28485	hyper	sig	chr4_52076984
chr10	1.34E+08	133529678	+	6.512E-16	9.3336E-15	0.281367	hyper	sig	chr10_133529678
chr5	1.41E+08	141346241	+	6.516E-16	9.3391E-15	0.268184	hyper	sig	chr5_141346241
chr8	26047428	26047428	+	6.522E-16	9.3477E-15	0.22476	hyper	sig	chr8_26047428
chr14	1.05E+08	105029525	+	6.523E-16	9.3498E-15	0.225326	hyper	sig	chr14_105029525
chr7	1.58E+08	158317431	+	6.524E-16	9.3498E-15	0.258965	hyper	sig	chr7_158317431
chr2	1.19E+08	119157591	+	6.525E-16	9.3516E-15	0.303947	hyper	sig	chr2_119157591
chr6	1E+08	100454217	+	6.526E-16	9.3527E-15	0.232041	hyper	sig	chr6_100454217
chr1	2.07E+08	207496308	+	6.528E-16	9.3551E-15	0.249341	hyper	sig	chr1_207496308
chr1	26360741	26360741	+	6.528E-16	9.3561E-15	0.2602	hyper	sig	chr1_26360741
chr3	10992176	10992176	+	6.533E-16	9.3628E-15	0.264163	hyper	sig	chr3_10992176

chr13	87674463	87674463	+	6.534E-16	9.3639E-15	0.254576	hyper	sig	chr13_87674463
chr10	1.08E+08	107915336	+	6.538E-16	9.3697E-15	0.236491	hyper	sig	chr10_107915336
chr1	1.1E+08	110068261	+	6.54E-16	9.3715E-15	0.210006	hyper	sig	chr1_110068261
chr2	42492838	42492838	+	6.543E-16	9.3761E-15	0.399782	hyper	sig	chr2_42492838
chr7	27124666	27124666	+	6.554E-16	9.3916E-15	0.229715	hyper	sig	chr7_27124666
chr1	27403290	27403290	+	6.557E-16	9.3955E-15	0.287477	hyper	sig	chr1_27403290
chr22	39405473	39405473	+	6.557E-16	9.396E-15	0.277417	hyper	sig	chr22_39405473
chr10	1.32E+08	132272392	+	6.559E-16	9.3977E-15	0.257807	hyper	sig	chr10_132272392
chr16	4556417	4556417	+	6.559E-16	9.3977E-15	-0.24877	hypo	sig	chr16_4556417
chr12	6555430	6555430	+	6.568E-16	9.4111E-15	0.296595	hyper	sig	chr12_6555430
chr1	1.01E+08	101237071	+	6.573E-16	9.4184E-15	0.235862	hyper	sig	chr1_101237071
chr19	3369836	3369836	+	6.574E-16	9.4184E-15	0.329175	hyper	sig	chr19_3369836
chr2	7031966	7031966	+	6.574E-16	9.4196E-15	-0.2783	hypo	sig	chr2_7031966
chr16	565909	565909	+	6.583E-16	9.431E-15	0.279636	hyper	sig	chr16_565909
chr7	91267348	91267348	+	6.583E-16	9.431E-15	0.344645	hyper	sig	chr7_91267348
chr1	15214853	15214853	+	6.584E-16	9.4328E-15	0.296011	hyper	sig	chr1_15214853
chr7	1.51E+08	151199403	+	6.596E-16	9.4496E-15	0.286525	hyper	sig	chr7_151199403
chr18	63476728	63476728	+	6.597E-16	9.4514E-15	-0.27942	hypo	sig	chr18_63476728
chr22	41587794	41587794	+	6.601E-16	9.4562E-15	-0.23352	hypo	sig	chr22_41587794
chr6	36827608	36827608	+	6.605E-16	9.4611E-15	-0.28209	hypo	sig	chr6_36827608
chr17	81157283	81157283	+	6.607E-16	9.4649E-15	-0.21083	hypo	sig	chr17_81157283
chr5	1.41E+08	141399737	+	6.61E-16	9.4687E-15	0.278401	hyper	sig	chr5_141399737
chr3	14564388	14564388	+	6.612E-16	9.4709E-15	-0.30181	hypo	sig	chr3_14564388
chr1	16227890	16227890	+	6.614E-16	9.4741E-15	0.312064	hyper	sig	chr1_16227890
chr13	22926246	22926246	+	6.621E-16	9.4833E-15	0.345653	hyper	sig	chr13_22926246
chr1	17550940	17550940	+	6.621E-16	9.4835E-15	-0.23726	hypo	sig	chr1_17550940
chr6	1.67E+08	167266959	+	6.629E-16	9.4944E-15	-0.25612	hypo	sig	chr6_167266959
chr13	1.13E+08	112771918	+	6.632E-16	9.4978E-15	-0.33463	hypo	sig	chr13_112771918
chr2	11635701	11635701	+	6.632E-16	9.4978E-15	-0.22348	hypo	sig	chr2_11635701
chr5	1.32E+08	132258073	+	6.633E-16	9.4993E-15	0.304689	hyper	sig	chr5_132258073
chr7	1.29E+08	128783193	+	6.636E-16	9.5035E-15	0.273284	hyper	sig	chr7_128783193
chr19	2513477	2513477	+	6.636E-16	9.5037E-15	-0.25753	hypo	sig	chr19_2513477
chr9	1.37E+08	137138880	+	6.643E-16	9.513E-15	0.322029	hyper	sig	chr9_137138880
chr2	96642859	96642859	+	6.646E-16	9.5174E-15	0.284594	hyper	sig	chr2_96642859
chr15	62896603	62896603	+	6.649E-16	9.5222E-15	-0.282	hypo	sig	chr15_62896603
chr13	26742994	26742994	+	6.659E-16	9.536E-15	0.274066	hyper	sig	chr13_26742994
chr20	21705635	21705635	+	6.66E-16	9.537E-15	0.271236	hyper	sig	chr20_21705635
chr2	2.42E+08	241853173	+	6.662E-16	9.5395E-15	-0.24128	hypo	sig	chr2_241853173
chr12	1.15E+08	114697333	+	6.663E-16	9.54E-15	0.226527	hyper	sig	chr12_114697333
chr2	1.63E+08	163348376	+	6.663E-16	9.54E-15	0.270406	hyper	sig	chr2_163348376
chr5	1.41E+08	141224846	+	6.665E-16	9.5433E-15	0.272826	hyper	sig	chr5_141224846
chr5	1.4E+08	140109053	+	6.669E-16	9.548E-15	-0.22884	hypo	sig	chr5_140109053
chr2	71560644	71560644	+	6.674E-16	9.5559E-15	0.258295	hyper	sig	chr2_71560644
chr20	16574519	16574519	+	6.676E-16	9.5583E-15	-0.30983	hypo	sig	chr20_16574519
chr11	2904240	2904240	+	6.678E-16	9.5604E-15	-0.26442	hypo	sig	chr11_2904240
chr1	1.15E+08	114854843	+	6.679E-16	9.5623E-15	0.22714	hyper	sig	chr1_114854843
chr3	62379362	62379362	+	6.681E-16	9.5645E-15	0.251216	hyper	sig	chr3_62379362
chr20	62214020	62214020	+	6.685E-16	9.57E-15	-0.32718	hypo	sig	chr20_62214020
chr13	1.11E+08	111410597	+	6.687E-16	9.573E-15	-0.2382	hypo	sig	chr13_111410597
chr5	1.41E+08	140836252	+	6.687E-16	9.573E-15	0.294693	hyper	sig	chr5_140836252
chr1	45622774	45622774	+	6.691E-16	9.5776E-15	0.249535	hyper	sig	chr1_45622774
chr14	99792882	99792882	+	6.701E-16	9.5916E-15	0.250663	hyper	sig	chr14_99792882
chr10	1.18E+08	117533019	+	6.702E-16	9.5929E-15	0.228824	hyper	sig	chr10_117533019
chr4	1.47E+08	146647601	+	6.705E-16	9.5978E-15	0.345677	hyper	sig	chr4_146647601
chr11	2826148	2826148	+	6.706E-16	9.5984E-15	0.307227	hyper	sig	chr11_2826148
chr5	1.79E+08	179060830	+	6.707E-16	9.5994E-15	0.259536	hyper	sig	chr5_179060830

chr6	10419174	10419174	+	6.71E-16	9.6043E-15	0.248885	hyper	sig	chr6_10419174
chr1	50252006	50252006	+	6.716E-16	9.6129E-15	0.210946	hyper	sig	chr1_50252006
chr5	1.41E+08	141430997	+	6.716E-16	9.6129E-15	0.230424	hyper	sig	chr5_141430997
chr3	1.47E+08	147405412	+	6.72E-16	9.6186E-15	0.223941	hyper	sig	chr3_147405412
chr10	23172405	23172405	+	6.727E-16	9.6271E-15	0.356622	hyper	sig	chr10_23172405
chr5	88672031	88672031	+	6.731E-16	9.6332E-15	0.202264	hyper	sig	chr5_88672031
chr16	3184267	3184267	+	6.732E-16	9.6343E-15	0.291274	hyper	sig	chr16_3184267
chr5	25193317	25193317	+	6.733E-16	9.6354E-15	-0.3419	hypo	sig	chr5_25193317
chr1	24109128	24109128	+	6.735E-16	9.6389E-15	-0.33971	hypo	sig	chr1_24109128
chr2	1234751	1234751	+	6.744E-16	9.6512E-15	-0.39384	hypo	sig	chr2_1234751
chr10	1.29E+08	128502287	+	6.745E-16	9.6525E-15	-0.22225	hypo	sig	chr10_128502287
chr10	1.26E+08	125892579	+	6.749E-16	9.6581E-15	-0.29255	hypo	sig	chr10_125892579
chr7	568874	568874	+	6.75E-16	9.6583E-15	0.276328	hyper	sig	chr7_568874
chr8	26051919	26051919	+	6.755E-16	9.6655E-15	0.2414	hyper	sig	chr8_26051919
chr7	4268780	4268780	+	6.757E-16	9.6689E-15	-0.22793	hypo	sig	chr7_4268780
chr13	1.13E+08	112995705	+	6.765E-16	9.6795E-15	-0.30332	hypo	sig	chr13_112995705
chr4	5708111	5708111	+	6.766E-16	9.6801E-15	0.232125	hyper	sig	chr4_5708111
chr16	1534515	1534515	+	6.767E-16	9.6818E-15	0.234393	hyper	sig	chr16_1534515
chr16	87603107	87603107	+	6.777E-16	9.6953E-15	0.2306	hyper	sig	chr16_87603107
chr6	1.7E+08	170250633	+	6.785E-16	9.7072E-15	-0.29335	hypo	sig	chr6_170250633
chr5	83471557	83471557	+	6.788E-16	9.711E-15	0.23736	hyper	sig	chr5_83471557
chr1	8211953	8211953	+	6.791E-16	9.7156E-15	-0.25334	hypo	sig	chr1_8211953
chr16	7304496	7304496	+	6.791E-16	9.7156E-15	0.304562	hyper	sig	chr16_7304496
chr19	48293740	48293740	+	6.791E-16	9.7156E-15	-0.25016	hypo	sig	chr19_48293740
chr13	78594438	78594438	+	6.792E-16	9.7159E-15	0.249011	hyper	sig	chr13_78594438
chr1	1.44E+08	143667583	+	6.801E-16	9.7286E-15	0.250454	hyper	sig	chr1_143667583
chr14	28774509	28774509	+	6.802E-16	9.7299E-15	0.250156	hyper	sig	chr14_28774509
chr12	57230747	57230747	+	6.819E-16	9.7534E-15	-0.24385	hypo	sig	chr12_57230747
chr1	2E+08	200036228	+	6.821E-16	9.7559E-15	0.364633	hyper	sig	chr1_200036228
chr4	8591788	8591788	+	6.821E-16	9.7559E-15	-0.25925	hypo	sig	chr4_8591788
chr16	87414256	87414256	+	6.825E-16	9.7615E-15	-0.21428	hypo	sig	chr16_87414256
chr7	48847967	48847967	+	6.828E-16	9.7651E-15	0.268832	hyper	sig	chr7_48847967
chr19	8416880	8416880	+	6.839E-16	9.7805E-15	0.278874	hyper	sig	chr19_8416880
chr1	33307351	33307351	+	6.843E-16	9.7861E-15	0.361279	hyper	sig	chr1_33307351
chr1	47433949	47433949	+	6.843E-16	9.7865E-15	0.294617	hyper	sig	chr1_47433949
chr5	1.77E+08	177366980	+	6.843E-16	9.7868E-15	0.290242	hyper	sig	chr5_177366980
chr20	54476607	54476607	+	6.848E-16	9.7928E-15	0.284753	hyper	sig	chr20_54476607
chr16	55328834	55328834	+	6.85E-16	9.7957E-15	0.296854	hyper	sig	chr16_55328834
chr8	54454233	54454233	+	6.853E-16	9.8006E-15	0.335834	hyper	sig	chr8_54454233
chr11	46369547	46369547	+	6.863E-16	9.8144E-15	0.242598	hyper	sig	chr11_46369547
chr1	1.08E+08	107965892	+	6.864E-16	9.8155E-15	0.219393	hyper	sig	chr1_107965892
chr19	13506258	13506258	+	6.865E-16	9.8162E-15	0.333992	hyper	sig	chr19_13506258
chr13	99997803	99997803	+	6.867E-16	9.8197E-15	0.31512	hyper	sig	chr13_99997803
chr10	97759570	97759570	+	6.871E-16	9.8247E-15	0.279928	hyper	sig	chr10_97759570
chr6	42142960	42142960	+	6.882E-16	9.8404E-15	-0.28028	hypo	sig	chr6_42142960
chr19	11194614	11194614	+	6.887E-16	9.8473E-15	0.324451	hyper	sig	chr19_11194614
chr19	43699479	43699479	+	6.889E-16	9.8497E-15	0.281519	hyper	sig	chr19_43699479
chr5	1.41E+08	140786566	+	6.89E-16	9.8505E-15	0.249086	hyper	sig	chr5_140786566
chr13	1.14E+08	113583316	+	6.892E-16	9.8543E-15	-0.21783	hypo	sig	chr13_113583316
chr19	1908449	1908449	+	6.895E-16	9.8577E-15	-0.2717	hypo	sig	chr19_1908449
chr16	1247275	1247275	+	6.896E-16	9.8598E-15	-0.22619	hypo	sig	chr16_1247275
chr14	73713278	73713278	+	6.901E-16	9.8659E-15	0.257819	hyper	sig	chr14_73713278
chr7	1.46E+08	146116462	+	6.902E-16	9.8681E-15	0.227011	hyper	sig	chr7_146116462
chr6	71686328	71686328	+	6.903E-16	9.8689E-15	-0.24962	hypo	sig	chr6_71686328
chr19	56507311	56507311	+	6.905E-16	9.8715E-15	0.274867	hyper	sig	chr19_56507311
chr1	2291010	2291010	+	6.906E-16	9.872E-15	0.248243	hyper	sig	chr1_2291010

chr10	1732675	1732675	+	6.909E-16	9.8761E-15	-0.36886	hypo	sig	chr10_1732675
chr12	40692568	40692568	+	6.909E-16	9.8764E-15	0.236127	hyper	sig	chr12_40692568
chr10	25934018	25934018	+	6.912E-16	9.8808E-15	0.254569	hyper	sig	chr10_25934018
chr6	84773317	84773317	+	6.913E-16	9.8815E-15	0.27059	hyper	sig	chr6_84773317
chr13	27921804	27921804	+	6.921E-16	9.8926E-15	0.29339	hyper	sig	chr13_27921804
chr11	64297191	64297191	+	6.928E-16	9.9021E-15	0.318972	hyper	sig	chr11_64297191
chr5	1.74E+08	174311339	+	6.93E-16	9.9057E-15	-0.26625	hypo	sig	chr5_174311339
chr11	94401840	94401840	+	6.935E-16	9.9124E-15	0.289916	hyper	sig	chr11_94401840
chr7	1.57E+08	157078490	+	6.937E-16	9.9145E-15	0.285143	hyper	sig	chr7_157078490
chr11	1.16E+08	115659789	+	6.937E-16	9.9152E-15	0.253153	hyper	sig	chr11_115659789
chr7	1.57E+08	157005891	+	6.939E-16	9.9168E-15	0.355611	hyper	sig	chr7_157005891
chr3	14811175	14811175	+	6.939E-16	9.918E-15	0.211854	hyper	sig	chr3_14811175
chr2	2.08E+08	208124300	+	6.944E-16	9.9244E-15	0.219389	hyper	sig	chr2_208124300
chr21	31557615	31557615	+	6.945E-16	9.9258E-15	0.259329	hyper	sig	chr21_31557615
chr18	79785067	79785067	+	6.946E-16	9.9266E-15	-0.28656	hypo	sig	chr18_79785067
chr16	1143069	1143069	+	6.951E-16	9.9343E-15	-0.28135	hypo	sig	chr16_1143069
chr10	1.3E+08	129888273	+	6.954E-16	9.9385E-15	-0.20272	hypo	sig	chr10_129888273
chr19	2016533	2016533	+	6.959E-16	9.9453E-15	0.221613	hyper	sig	chr19_2016533
chr20	62474864	62474864	+	6.963E-16	9.9505E-15	0.232579	hyper	sig	chr20_62474864
chr22	18111416	18111416	+	6.963E-16	9.9506E-15	0.355853	hyper	sig	chr22_18111416
chr16	85574618	85574618	+	6.965E-16	9.9522E-15	0.229567	hyper	sig	chr16_85574618
chr1	44261338	44261338	+	6.968E-16	9.9564E-15	-0.23968	hypo	sig	chr1_44261338
chr16	31471511	31471511	+	6.968E-16	9.9566E-15	0.260953	hyper	sig	chr16_31471511
chr16	1548814	1548814	+	6.969E-16	9.9578E-15	-0.24109	hypo	sig	chr16_1548814
chr3	24829899	24829899	+	6.971E-16	9.9611E-15	0.255529	hyper	sig	chr3_24829899
chr10	1.34E+08	133569943	+	6.976E-16	9.9673E-15	0.293071	hyper	sig	chr10_133569943
chr15	74434220	74434220	+	6.977E-16	9.9694E-15	0.228514	hyper	sig	chr15_74434220
chr12	1.24E+08	123785951	+	6.985E-16	9.9799E-15	-0.22348	hypo	sig	chr12_123785951
chr4	3750658	3750658	+	6.989E-16	9.9856E-15	-0.31101	hypo	sig	chr4_3750658
chr10	86367548	86367548	+	6.996E-16	9.9949E-15	0.231412	hyper	sig	chr10_86367548
chr17	79747473	79747473	+	6.999E-16	9.9989E-15	0.211496	hyper	sig	chr17_79747473
chr15	89377656	89377656	+	7.002E-16	1.0002E-14	0.214008	hyper	sig	chr15_89377656
chr13	25301010	25301010	+	7.002E-16	1.0003E-14	0.259949	hyper	sig	chr13_25301010
chr13	1.13E+08	113022772	+	7.014E-16	1.0019E-14	0.285128	hyper	sig	chr13_113022772
chr15	25244829	25244829	+	7.015E-16	1.0021E-14	-0.29741	hypo	sig	chr15_25244829
chr5	1.29E+08	128537894	+	7.019E-16	1.0026E-14	0.279481	hyper	sig	chr5_128537894
chr17	48543033	48543033	+	7.021E-16	1.0029E-14	0.235669	hyper	sig	chr17_48543033
chr6	1.5E+08	149964505	+	7.022E-16	1.0029E-14	0.202244	hyper	sig	chr6_149964505
chr12	2231665	2231665	+	7.038E-16	1.0053E-14	-0.23599	hypo	sig	chr12_2231665
chr21	43758497	43758497	+	7.039E-16	1.0054E-14	0.270975	hyper	sig	chr21_43758497
chr8	13087545	13087545	+	7.047E-16	1.0065E-14	-0.25146	hypo	sig	chr8_13087545
chr10	511976	511976	+	7.047E-16	1.0065E-14	0.23216	hyper	sig	chr10_511976
chr2	1E+08	100417821	+	7.049E-16	1.0068E-14	0.23747	hyper	sig	chr2_100417821
chr17	4785959	4785959	+	7.05E-16	1.0068E-14	0.237253	hyper	sig	chr17_4785959
chr5	1.71E+08	171313954	+	7.059E-16	1.0081E-14	0.249889	hyper	sig	chr5_171313954
chr5	1.41E+08	140850724	+	7.064E-16	1.0089E-14	0.285249	hyper	sig	chr5_140850724
chr12	8018903	8018903	+	7.067E-16	1.0093E-14	0.209572	hyper	sig	chr12_8018903
chr17	40015235	40015235	+	7.07E-16	1.0097E-14	-0.27947	hypo	sig	chr17_40015235
chr21	42666192	42666192	+	7.071E-16	1.0097E-14	-0.22729	hypo	sig	chr21_42666192
chr20	45097951	45097951	+	7.076E-16	1.0105E-14	0.271064	hyper	sig	chr20_45097951
chr17	44559211	44559211	+	7.079E-16	1.0109E-14	0.316498	hyper	sig	chr17_44559211
chr1	37033115	37033115	+	7.08E-16	1.011E-14	0.203455	hyper	sig	chr1_37033115
chr17	42563263	42563263	+	7.083E-16	1.0114E-14	-0.22798	hypo	sig	chr17_42563263
chr10	58327114	58327114	+	7.089E-16	1.0122E-14	0.275036	hyper	sig	chr10_58327114
chr2	68319906	68319906	+	7.091E-16	1.0124E-14	0.310181	hyper	sig	chr2_68319906
chr7	98869371	98869371	+	7.095E-16	1.0131E-14	0.206073	hyper	sig	chr7_98869371

chr2	1816712	1816712	+	7.097E-16	1.0133E-14	0.240358	hyper	sig	chr2_1816712
chr8	740018	740018	+	7.101E-16	1.0138E-14	0.217077	hyper	sig	chr8_740018
chr8	41311958	41311958	+	7.101E-16	1.0139E-14	-0.29809	hypo	sig	chr8_41311958
chr8	1.43E+08	142786701	+	7.107E-16	1.0147E-14	-0.29196	hypo	sig	chr8_142786701
chr20	63043685	63043685	+	7.107E-16	1.0147E-14	-0.32797	hypo	sig	chr20_63043685
chr1	1.1E+08	110069078	+	7.109E-16	1.015E-14	0.216664	hyper	sig	chr1_110069078
chr19	46304383	46304383	+	7.112E-16	1.0153E-14	-0.33786	hypo	sig	chr19_46304383
chr8	1.37E+08	136530621	+	7.118E-16	1.0162E-14	-0.2339	hypo	sig	chr8_136530621
chr17	76000099	76000099	+	7.12E-16	1.0165E-14	0.27183	hyper	sig	chr17_76000099
chr8	1.42E+08	142463853	+	7.121E-16	1.0165E-14	-0.22053	hypo	sig	chr8_142463853
chr17	82388946	82388946	+	7.123E-16	1.0169E-14	-0.3056	hypo	sig	chr17_82388946
chr5	3602303	3602303	+	7.124E-16	1.0169E-14	0.303902	hyper	sig	chr5_3602303
chr1	77281702	77281702	+	7.124E-16	1.017E-14	0.211378	hyper	sig	chr1_77281702
chr4	1.57E+08	157075987	+	7.125E-16	1.017E-14	0.252761	hyper	sig	chr4_157075987
chr1	7784780	7784780	+	7.125E-16	1.0171E-14	0.295207	hyper	sig	chr1_7784780
chr11	1.34E+08	134418228	+	7.13E-16	1.0178E-14	-0.22469	hypo	sig	chr11_134418228
chr8	71845252	71845252	+	7.138E-16	1.0189E-14	0.321617	hyper	sig	chr8_71845252
chr11	1.29E+08	128693570	+	7.142E-16	1.0194E-14	0.222098	hyper	sig	chr11_128693570
chr3	13019283	13019283	+	7.147E-16	1.0201E-14	0.293507	hyper	sig	chr3_13019283
chr17	48722278	48722278	+	7.155E-16	1.0212E-14	0.204563	hyper	sig	chr17_48722278
chr12	1.13E+08	113479726	+	7.159E-16	1.0217E-14	0.293316	hyper	sig	chr12_113479726
chr2	2.39E+08	239118500	+	7.16E-16	1.0218E-14	0.239061	hyper	sig	chr2_239118500
chr1	69569421	69569421	+	7.166E-16	1.0226E-14	0.259196	hyper	sig	chr1_69569421
chr4	1.9E+08	189810277	+	7.171E-16	1.0233E-14	0.267386	hyper	sig	chr4_189810277
chr9	1.24E+08	124291816	+	7.171E-16	1.0233E-14	0.285356	hyper	sig	chr9_124291816
chr7	1.29E+08	128783279	+	7.172E-16	1.0234E-14	0.314794	hyper	sig	chr7_128783279
chr18	57440078	57440078	+	7.174E-16	1.0237E-14	0.220439	hyper	sig	chr18_57440078
chr2	2769655	2769655	+	7.184E-16	1.0251E-14	0.250809	hyper	sig	chr2_2769655
chr10	1.34E+08	133622994	+	7.186E-16	1.0254E-14	0.350381	hyper	sig	chr10_133622994
chr10	31127816	31127816	+	7.187E-16	1.0255E-14	-0.23647	hypo	sig	chr10_31127816
chr11	1.19E+08	118971760	+	7.187E-16	1.0255E-14	0.253176	hyper	sig	chr11_118971760
chr8	11703095	11703095	+	7.19E-16	1.0259E-14	0.222052	hyper	sig	chr8_11703095
chr5	3181943	3181943	+	7.191E-16	1.026E-14	0.23731	hyper	sig	chr5_3181943
chr5	1.41E+08	141123372	+	7.191E-16	1.026E-14	0.322848	hyper	sig	chr5_141123372
chr12	46524282	46524282	+	7.192E-16	1.0262E-14	-0.2415	hypo	sig	chr12_46524282
chr19	17329129	17329129	+	7.196E-16	1.0267E-14	0.217765	hyper	sig	chr19_17329129
chr11	1.25E+08	124843458	+	7.196E-16	1.0267E-14	0.22415	hyper	sig	chr11_124843458
chr7	1.59E+08	158999541	+	7.199E-16	1.027E-14	-0.23763	hypo	sig	chr7_158999541
chr17	38421467	38421467	+	7.2E-16	1.0273E-14	0.227682	hyper	sig	chr17_38421467
chr7	74373016	74373016	+	7.205E-16	1.0279E-14	0.330361	hyper	sig	chr7_74373016
chr1	2.34E+08	233614994	+	7.205E-16	1.028E-14	-0.24105	hypo	sig	chr1_233614994
chr10	1.17E+08	117133127	+	7.208E-16	1.0283E-14	0.232164	hyper	sig	chr10_117133127
chr16	73063999	73063999	+	7.219E-16	1.0299E-14	-0.28545	hypo	sig	chr16_73063999
chr19	1908427	1908427	+	7.219E-16	1.0299E-14	-0.25035	hypo	sig	chr19_1908427
chr4	1533901	1533901	+	7.222E-16	1.0302E-14	0.261805	hyper	sig	chr4_1533901
chr1	30715056	30715056	+	7.223E-16	1.0303E-14	-0.2847	hypo	sig	chr1_30715056
chr14	1.03E+08	102950074	+	7.229E-16	1.0312E-14	0.226574	hyper	sig	chr14_102950074
chr16	31568975	31568975	+	7.236E-16	1.0322E-14	0.286355	hyper	sig	chr16_31568975
chr10	1.33E+08	132785041	+	7.238E-16	1.0325E-14	0.344595	hyper	sig	chr10_132785041
chr2	31234761	31234761	+	7.242E-16	1.033E-14	0.304191	hyper	sig	chr2_31234761
chr18	10131857	10131857	+	7.242E-16	1.033E-14	-0.2204	hypo	sig	chr18_10131857
chr19	11426459	11426459	+	7.244E-16	1.0333E-14	-0.22288	hypo	sig	chr19_11426459
chr2	2.39E+08	239222186	+	7.245E-16	1.0333E-14	0.237706	hyper	sig	chr2_239222186
chr16	28880443	28880443	+	7.247E-16	1.0336E-14	0.242266	hyper	sig	chr16_28880443
chr19	6111578	6111578	+	7.253E-16	1.0344E-14	-0.24938	hypo	sig	chr19_6111578
chr6	41443311	41443311	+	7.254E-16	1.0346E-14	0.222236	hyper	sig	chr6_41443311

chr1	1.81E+08	180913436	+	7.257E-16	1.035E-14	0.275795	hyper	sig	chr1_180913436
chr20	62474854	62474854	+	7.258E-16	1.0351E-14	0.21919	hyper	sig	chr20_62474854
chr10	1.33E+08	132850921	+	7.259E-16	1.0352E-14	-0.29428	hypo	sig	chr10_132850921
chr1	2.37E+08	236686994	+	7.26E-16	1.0354E-14	0.282934	hyper	sig	chr1_236686994
chr4	1.51E+08	150582939	+	7.264E-16	1.0359E-14	0.348402	hyper	sig	chr4_150582939
chr10	571055	571055	+	7.266E-16	1.0361E-14	0.267019	hyper	sig	chr10_571055
chr12	1.17E+08	116559074	+	7.266E-16	1.0361E-14	-0.21785	hypo	sig	chr12_116559074
chr7	38976367	38976367	+	7.267E-16	1.0362E-14	0.253807	hyper	sig	chr7_38976367
chr16	85947654	85947654	+	7.279E-16	1.0379E-14	-0.36061	hypo	sig	chr16_85947654
chr15	1.01E+08	100849560	+	7.288E-16	1.0392E-14	0.243902	hyper	sig	chr15_100849560
chr22	36703064	36703064	+	7.291E-16	1.0395E-14	0.250391	hyper	sig	chr22_36703064
chr5	1.41E+08	141366149	+	7.293E-16	1.0398E-14	0.254416	hyper	sig	chr5_141366149
chr11	79438889	79438889	+	7.304E-16	1.0414E-14	0.236141	hyper	sig	chr11_79438889
chr5	2747931	2747931	+	7.308E-16	1.0419E-14	0.214263	hyper	sig	chr5_2747931
chr8	52099892	52099892	+	7.318E-16	1.0433E-14	0.33583	hyper	sig	chr8_52099892
chr5	95962658	95962658	+	7.321E-16	1.0437E-14	-0.22879	hypo	sig	chr5_95962658
chr12	1.25E+08	124549257	+	7.338E-16	1.0461E-14	0.304829	hyper	sig	chr12_124549257
chr1	75135435	75135435	+	7.34E-16	1.0464E-14	0.212234	hyper	sig	chr1_75135435
chr1	1.48E+08	148318333	+	7.346E-16	1.0472E-14	0.326148	hyper	sig	chr1_148318333
chr2	10497879	10497879	+	7.347E-16	1.0473E-14	-0.22311	hypo	sig	chr2_10497879
chr1	2.26E+08	225825253	+	7.351E-16	1.0478E-14	-0.2512	hypo	sig	chr1_225825253
chr13	36431970	36431970	+	7.352E-16	1.0479E-14	0.320863	hyper	sig	chr13_36431970
chr3	1.31E+08	130517678	+	7.354E-16	1.0482E-14	0.332676	hyper	sig	chr3_130517678
chr8	1.28E+08	127919289	+	7.362E-16	1.0493E-14	-0.22467	hypo	sig	chr8_127919289
chr17	38466752	38466752	+	7.364E-16	1.0496E-14	0.252162	hyper	sig	chr17_38466752
chr10	1.33E+08	133085030	+	7.367E-16	1.05E-14	-0.25933	hypo	sig	chr10_133085030
chr17	14298452	14298452	+	7.37E-16	1.0504E-14	0.299951	hyper	sig	chr17_14298452
chr19	56671576	56671576	+	7.371E-16	1.0504E-14	0.294342	hyper	sig	chr19_56671576
chr5	1.75E+08	174732344	+	7.37E-16	1.0504E-14	0.313713	hyper	sig	chr5_174732344
chr16	29220857	29220857	+	7.376E-16	1.0511E-14	0.286952	hyper	sig	chr16_29220857
chr1	1006781	1006781	+	7.377E-16	1.0513E-14	-0.2479	hypo	sig	chr1_1006781
chr15	82648789	82648789	+	7.379E-16	1.0516E-14	0.238566	hyper	sig	chr15_82648789
chr17	11554569	11554569	+	7.38E-16	1.0517E-14	-0.282	hypo	sig	chr17_11554569
chr11	46247734	46247734	+	7.383E-16	1.0521E-14	-0.25598	hypo	sig	chr11_46247734
chr12	2679587	2679587	+	7.385E-16	1.0524E-14	-0.24188	hypo	sig	chr12_2679587
chr17	74671562	74671562	+	7.387E-16	1.0526E-14	0.262722	hyper	sig	chr17_74671562
chr10	1.28E+08	127738397	+	7.388E-16	1.0527E-14	0.296256	hyper	sig	chr10_127738397
chr13	94704043	94704043	+	7.388E-16	1.0527E-14	0.358221	hyper	sig	chr13_94704043
chr4	1.55E+08	154743071	+	7.388E-16	1.0527E-14	0.251232	hyper	sig	chr4_154743071
chr13	1.08E+08	107866048	+	7.391E-16	1.0531E-14	0.285998	hyper	sig	chr13_107866048
chr8	1.43E+08	142834520	+	7.393E-16	1.0534E-14	-0.23518	hypo	sig	chr8_142834520
chr12	1.3E+08	130281691	+	7.394E-16	1.0536E-14	-0.28176	hypo	sig	chr12_130281691
chr19	3814085	3814085	+	7.401E-16	1.0544E-14	-0.257	hypo	sig	chr19_3814085
chr2	2.39E+08	239331569	+	7.413E-16	1.0562E-14	0.202813	hyper	sig	chr2_239331569
chr1	1.88E+08	187704592	+	7.42E-16	1.0572E-14	-0.28066	hypo	sig	chr1_187704592
chr1	90717513	90717513	+	7.422E-16	1.0574E-14	0.351329	hyper	sig	chr1_90717513
chr18	47249109	47249109	+	7.423E-16	1.0576E-14	0.249717	hyper	sig	chr18_47249109
chr10	26215279	26215279	+	7.426E-16	1.058E-14	0.272473	hyper	sig	chr10_26215279
chr8	21727726	21727726	+	7.434E-16	1.059E-14	-0.23147	hypo	sig	chr8_21727726
chr7	47315368	47315368	+	7.442E-16	1.0601E-14	0.29158	hyper	sig	chr7_47315368
chr4	7500702	7500702	+	7.443E-16	1.0602E-14	-0.25737	hypo	sig	chr4_7500702
chr7	1.58E+08	157675691	+	7.446E-16	1.0606E-14	-0.26687	hypo	sig	chr7_157675691
chr16	1104971	1104971	+	7.453E-16	1.0616E-14	-0.28972	hypo	sig	chr16_1104971
chr6	1.01E+08	101398990	+	7.455E-16	1.0618E-14	0.234848	hyper	sig	chr6_101398990
chr14	56795390	56795390	+	7.464E-16	1.0631E-14	0.243445	hyper	sig	chr14_56795390
chr16	70666508	70666508	+	7.466E-16	1.0633E-14	0.217886	hyper	sig	chr16_70666508

chr6	1.69E+08	168838156	+	7.468E-16	1.0636E-14	-0.21901	hypo	sig	chr6_168838156
chr2	2.22E+08	222303991	+	7.469E-16	1.0637E-14	0.253746	hyper	sig	chr2_222303991
chr12	1.13E+08	113479844	+	7.471E-16	1.0641E-14	0.287583	hyper	sig	chr12_113479844
chr8	54454235	54454235	+	7.472E-16	1.0642E-14	0.32541	hyper	sig	chr8_54454235
chr7	220143	220143	+	7.475E-16	1.0646E-14	-0.21059	hypo	sig	chr7_220143
chr5	1.33E+08	132771736	+	7.476E-16	1.0647E-14	0.247245	hyper	sig	chr5_132771736
chr17	65537213	65537213	+	7.481E-16	1.0653E-14	-0.207	hypo	sig	chr17_65537213
chr11	1.25E+08	125102244	+	7.489E-16	1.0666E-14	0.214653	hyper	sig	chr11_125102244
chr22	50290990	50290990	+	7.491E-16	1.0667E-14	0.204915	hyper	sig	chr22_50290990
chr3	1.39E+08	138944372	+	7.492E-16	1.0668E-14	0.206699	hyper	sig	chr3_138944372
chr10	7531552	7531552	+	7.493E-16	1.067E-14	-0.23941	hypo	sig	chr10_7531552
chr19	43714819	43714819	+	7.493E-16	1.067E-14	-0.29909	hypo	sig	chr19_43714819
chr11	22343026	22343026	+	7.494E-16	1.0672E-14	0.244316	hyper	sig	chr11_22343026
chr2	96859125	96859125	+	7.502E-16	1.0682E-14	0.232067	hyper	sig	chr2_96859125
chr1	44645752	44645752	+	7.504E-16	1.0684E-14	0.261658	hyper	sig	chr1_44645752
chr19	5245951	5245951	+	7.506E-16	1.0687E-14	-0.24251	hypo	sig	chr19_5245951
chr16	49278054	49278054	+	7.506E-16	1.0688E-14	0.282297	hyper	sig	chr16_49278054
chr6	83066107	83066107	+	7.509E-16	1.0691E-14	-0.22923	hypo	sig	chr6_83066107
chr2	1.27E+08	126655772	+	7.509E-16	1.0692E-14	0.242793	hyper	sig	chr2_126655772
chr17	14303975	14303975	+	7.511E-16	1.0694E-14	0.22696	hyper	sig	chr17_14303975
chr10	1.14E+08	114405213	+	7.514E-16	1.0698E-14	-0.21904	hypo	sig	chr10_114405213
chr10	49613594	49613594	+	7.524E-16	1.0712E-14	0.266446	hyper	sig	chr10_49613594
chr19	3136461	3136461	+	7.525E-16	1.0713E-14	-0.25252	hypo	sig	chr19_3136461
chr5	1.67E+08	166975562	+	7.526E-16	1.0713E-14	-0.36871	hypo	sig	chr5_166975562
chr1	1.83E+08	183417591	+	7.526E-16	1.0714E-14	0.2241	hyper	sig	chr1_183417591
chr6	3759882	3759882	+	7.533E-16	1.0724E-14	0.217116	hyper	sig	chr6_3759882
chr12	1.26E+08	126192281	+	7.536E-16	1.0728E-14	-0.24126	hypo	sig	chr12_126192281
chr4	1404309	1404309	+	7.536E-16	1.0728E-14	0.245618	hyper	sig	chr4_1404309
chr19	708628	708628	+	7.537E-16	1.0728E-14	0.321495	hyper	sig	chr19_708628
chr19	56642909	56642909	+	7.539E-16	1.0731E-14	0.362709	hyper	sig	chr19_56642909
chr1	898976	898976	+	7.541E-16	1.0734E-14	-0.23777	hypo	sig	chr1_898976
chr7	99458193	99458193	+	7.542E-16	1.0735E-14	0.201404	hyper	sig	chr7_99458193
chr13	36345207	36345207	+	7.546E-16	1.074E-14	0.230141	hyper	sig	chr13_36345207
chr11	1782777	1782777	+	7.547E-16	1.0742E-14	-0.2683	hypo	sig	chr11_1782777
chr9	1.25E+08	124852240	+	7.55E-16	1.0745E-14	0.305951	hyper	sig	chr9_124852240
chr11	1.2E+08	120124203	+	7.55E-16	1.0745E-14	-0.23752	hypo	sig	chr11_120124203
chr12	1.14E+08	114395988	+	7.552E-16	1.0748E-14	0.288359	hyper	sig	chr12_114395988
chr1	1.82E+08	182056637	+	7.557E-16	1.0755E-14	0.268064	hyper	sig	chr1_182056637
chr12	43571962	43571962	+	7.559E-16	1.0757E-14	0.231267	hyper	sig	chr12_43571962
chr20	38729388	38729388	+	7.563E-16	1.0763E-14	0.228446	hyper	sig	chr20_38729388
chr19	50717278	50717278	+	7.563E-16	1.0763E-14	-0.29019	hypo	sig	chr19_50717278
chr16	3414152	3414152	+	7.569E-16	1.0771E-14	0.345057	hyper	sig	chr16_3414152
chr14	1.01E+08	100893868	+	7.576E-16	1.0781E-14	-0.22485	hypo	sig	chr14_100893868
chr4	7645132	7645132	+	7.581E-16	1.0787E-14	-0.27595	hypo	sig	chr4_7645132
chr16	57529580	57529580	+	7.584E-16	1.0792E-14	-0.30698	hypo	sig	chr16_57529580
chr16	86879161	86879161	+	7.591E-16	1.0801E-14	-0.2401	hypo	sig	chr16_86879161
chr1	1.15E+08	114855494	+	7.608E-16	1.0826E-14	0.265612	hyper	sig	chr1_114855494
chr2	2.13E+08	212536629	+	7.61E-16	1.0828E-14	0.255155	hyper	sig	chr2_212536629
chr2	2.41E+08	240519810	+	7.611E-16	1.0829E-14	0.303577	hyper	sig	chr2_240519810
chr1	1110706	1110706	+	7.616E-16	1.0835E-14	-0.26799	hypo	sig	chr1_1110706
chr8	1.09E+08	108786938	+	7.62E-16	1.0842E-14	0.209935	hyper	sig	chr8_108786938
chr6	50849444	50849444	+	7.622E-16	1.0844E-14	0.292599	hyper	sig	chr6_50849444
chr10	1.17E+08	117140973	+	7.628E-16	1.0853E-14	0.228705	hyper	sig	chr10_117140973
chr19	372081	372081	+	7.632E-16	1.0858E-14	-0.22309	hypo	sig	chr19_372081
chr6	31355729	31355729	+	7.634E-16	1.086E-14	-0.23092	hypo	sig	chr6_31355729
chr16	3183842	3183842	+	7.634E-16	1.0861E-14	0.208384	hyper	sig	chr16_3183842

chr6	10384879	10384879	+	7.637E-16	1.0864E-14	0.339774	hyper	sig	chr6_10384879
chr17	82342457	82342457	+	7.638E-16	1.0866E-14	-0.27743	hypo	sig	chr17_82342457
chr11	1.16E+08	116035365	+	7.64E-16	1.0868E-14	-0.30912	hypo	sig	chr11_116035365
chr19	57171765	57171765	+	7.646E-16	1.0876E-14	0.361617	hyper	sig	chr19_57171765
chr11	19919281	19919281	+	7.648E-16	1.0879E-14	0.228166	hyper	sig	chr11_19919281
chr2	61889565	61889565	+	7.661E-16	1.0897E-14	-0.35415	hypo	sig	chr2_61889565
chr3	1.84E+08	184379652	+	7.664E-16	1.0902E-14	0.287361	hyper	sig	chr3_184379652
chr1	2.28E+08	228464619	+	7.666E-16	1.0904E-14	0.209286	hyper	sig	chr1_228464619
chr14	76268269	76268269	+	7.668E-16	1.0907E-14	0.236529	hyper	sig	chr14_76268269
chr15	37093664	37093664	+	7.67E-16	1.0908E-14	0.29981	hyper	sig	chr15_37093664
chr20	64062667	64062667	+	7.673E-16	1.0913E-14	0.291521	hyper	sig	chr20_64062667
chr16	29231050	29231050	+	7.678E-16	1.092E-14	0.209118	hyper	sig	chr16_29231050
chr13	1.12E+08	112376469	+	7.683E-16	1.0927E-14	-0.26184	hypo	sig	chr13_112376469
chr3	1.59E+08	158573026	+	7.683E-16	1.0928E-14	-0.2257	hypo	sig	chr3_158573026
chr5	1.41E+08	141352394	+	7.689E-16	1.0935E-14	0.30497	hyper	sig	chr5_141352394
chr2	1818662	1818662	+	7.693E-16	1.0941E-14	-0.30423	hypo	sig	chr2_1818662
chr5	1.41E+08	140834484	+	7.698E-16	1.0947E-14	0.269049	hyper	sig	chr5_140834484
chr19	10412684	10412684	+	7.703E-16	1.0954E-14	-0.31601	hypo	sig	chr19_10412684
chr3	1.87E+08	187139805	+	7.709E-16	1.0962E-14	0.204995	hyper	sig	chr3_187139805
chr11	69654886	69654886	+	7.71E-16	1.0962E-14	-0.28904	hypo	sig	chr11_69654886
chr4	3533060	3533060	+	7.71E-16	1.0963E-14	0.253211	hyper	sig	chr4_3533060
chr17	45395400	45395400	+	7.712E-16	1.0965E-14	0.268088	hyper	sig	chr17_45395400
chr1	2888244	2888244	+	7.714E-16	1.0968E-14	-0.30247	hypo	sig	chr1_2888244
chr13	1.12E+08	112326353	+	7.716E-16	1.0971E-14	0.257273	hyper	sig	chr13_112326353
chr17	41583259	41583259	+	7.718E-16	1.0973E-14	-0.25277	hypo	sig	chr17_41583259
chr12	75207695	75207695	+	7.718E-16	1.0973E-14	0.285671	hyper	sig	chr12_75207695
chr20	45098471	45098471	+	7.734E-16	1.0995E-14	0.277281	hyper	sig	chr20_45098471
chr16	1196066	1196066	+	7.736E-16	1.0999E-14	-0.21464	hypo	sig	chr16_1196066
chr9	1.37E+08	136949336	+	7.745E-16	1.1011E-14	-0.25669	hypo	sig	chr9_136949336
chr7	27249501	27249501	+	7.754E-16	1.1023E-14	0.254603	hyper	sig	chr7_27249501
chr20	43189286	43189286	+	7.759E-16	1.1031E-14	0.255785	hyper	sig	chr20_43189286
chr4	52076970	52076970	+	7.761E-16	1.1033E-14	0.28923	hyper	sig	chr4_52076970
chr4	1.85E+08	185127431	+	7.761E-16	1.1033E-14	0.253151	hyper	sig	chr4_185127431
chr3	1.47E+08	147394294	+	7.762E-16	1.1034E-14	0.249198	hyper	sig	chr3_147394294
chr11	32431009	32431009	+	7.768E-16	1.1042E-14	0.246172	hyper	sig	chr11_32431009
chr16	82171334	82171334	+	7.778E-16	1.1056E-14	-0.22473	hypo	sig	chr16_82171334
chr17	79464968	79464968	+	7.78E-16	1.1059E-14	-0.26056	hypo	sig	chr17_79464968
chr8	52941885	52941885	+	7.785E-16	1.1066E-14	0.201573	hyper	sig	chr8_52941885
chr5	1772523	1772523	+	7.793E-16	1.1077E-14	-0.27486	hypo	sig	chr5_1772523
chr5	1.79E+08	179382055	+	7.794E-16	1.1077E-14	-0.24741	hypo	sig	chr5_179382055
chr2	40452442	40452442	+	7.797E-16	1.1081E-14	0.237011	hyper	sig	chr2_40452442
chr7	28411077	28411077	+	7.797E-16	1.1081E-14	0.216111	hyper	sig	chr7_28411077
chr9	1.22E+08	122405283	+	7.801E-16	1.1086E-14	-0.27226	hypo	sig	chr9_122405283
chr5	1752768	1752768	+	7.802E-16	1.1088E-14	-0.287	hypo	sig	chr5_1752768
chr15	78833482	78833482	+	7.803E-16	1.1089E-14	-0.20546	hypo	sig	chr15_78833482
chr20	10218701	10218701	+	7.805E-16	1.1091E-14	0.258792	hyper	sig	chr20_10218701
chr3	1.26E+08	125698513	+	7.809E-16	1.1097E-14	-0.24647	hypo	sig	chr3_125698513
chr4	1.45E+08	144646521	+	7.822E-16	1.1115E-14	0.299905	hyper	sig	chr4_144646521
chr8	26451755	26451755	+	7.832E-16	1.1128E-14	-0.37125	hypo	sig	chr8_26451755
chr3	27728769	27728769	+	7.833E-16	1.1131E-14	0.302542	hyper	sig	chr3_27728769
chr11	614771	614771	+	7.836E-16	1.1134E-14	-0.28289	hypo	sig	chr11_614771
chr3	62371503	62371503	+	7.839E-16	1.1138E-14	0.316295	hyper	sig	chr3_62371503
chr9	93948582	93948582	+	7.84E-16	1.114E-14	0.274117	hyper	sig	chr9_93948582
chr1	50425544	50425544	+	7.842E-16	1.1142E-14	0.302758	hyper	sig	chr1_50425544
chr8	64376682	64376682	+	7.852E-16	1.1156E-14	0.248323	hyper	sig	chr8_64376682
chr2	1.72E+08	172090786	+	7.855E-16	1.1161E-14	0.218785	hyper	sig	chr2_172090786

chr1	2.02E+08	202010884	+	7.863E-16	1.117E-14	-0.27926	hypo	sig	chr1_202010884
chr19	34833624	34833624	+	7.863E-16	1.1172E-14	-0.22177	hypo	sig	chr19_34833624
chr5	1.41E+08	141408297	+	7.866E-16	1.1174E-14	0.292722	hyper	sig	chr5_141408297
chr7	1.51E+08	151192362	+	7.868E-16	1.1177E-14	-0.26358	hypo	sig	chr7_151192362
chr6	1608158	1608158	+	7.873E-16	1.1184E-14	0.23778	hyper	sig	chr6_1608158
chr22	45009035	45009035	+	7.884E-16	1.1199E-14	0.203759	hyper	sig	chr22_45009035
chr2	1.01E+08	101251900	+	7.896E-16	1.1216E-14	-0.21005	hypo	sig	chr2_101251900
chr21	41318725	41318725	+	7.897E-16	1.1218E-14	-0.24703	hypo	sig	chr21_41318725
chr19	17240527	17240527	+	7.904E-16	1.1227E-14	-0.30251	hypo	sig	chr19_17240527
chr11	47980158	47980158	+	7.907E-16	1.1231E-14	0.239024	hyper	sig	chr11_47980158
chr15	25241435	25241435	+	7.915E-16	1.1242E-14	-0.23266	hypo	sig	chr15_25241435
chr19	3828590	3828590	+	7.916E-16	1.1243E-14	-0.28575	hypo	sig	chr19_3828590
chr5	1.35E+08	135490093	+	7.916E-16	1.1243E-14	0.239963	hyper	sig	chr5_135490093
chr17	82715787	82715787	+	7.917E-16	1.1244E-14	-0.25007	hypo	sig	chr17_82715787
chr2	2.08E+08	208407390	+	7.919E-16	1.1246E-14	0.274043	hyper	sig	chr2_208407390
chr1	1.61E+08	161259196	+	7.919E-16	1.1247E-14	0.260595	hyper	sig	chr1_161259196
chr16	89834101	89834101	+	7.928E-16	1.1259E-14	-0.26202	hypo	sig	chr16_89834101
chr12	95380914	95380914	+	7.929E-16	1.126E-14	0.311552	hyper	sig	chr12_95380914
chr16	661245	661245	+	7.939E-16	1.1274E-14	0.230761	hyper	sig	chr16_661245
chr7	2763063	2763063	+	7.95E-16	1.129E-14	0.260433	hyper	sig	chr7_2763063
chr5	1.41E+08	141343764	+	7.951E-16	1.1291E-14	0.231903	hyper	sig	chr5_141343764
chr8	625774	625774	+	7.954E-16	1.1294E-14	0.222729	hyper	sig	chr8_625774
chr1	22649166	22649166	+	7.955E-16	1.1296E-14	-0.24996	hypo	sig	chr1_22649166
chr5	1.41E+08	141246919	+	7.955E-16	1.1296E-14	0.249092	hyper	sig	chr5_141246919
chr1	2.34E+08	233905785	+	7.959E-16	1.1301E-14	0.218463	hyper	sig	chr1_233905785
chr6	26017384	26017384	+	7.96E-16	1.1303E-14	0.24079	hyper	sig	chr6_26017384
chr19	41090195	41090195	+	7.966E-16	1.1311E-14	0.260744	hyper	sig	chr19_41090195
chr11	94401041	94401041	+	7.972E-16	1.1318E-14	0.287292	hyper	sig	chr11_94401041
chr17	64778805	64778805	+	7.973E-16	1.1321E-14	0.260053	hyper	sig	chr17_64778805
chr19	12513641	12513641	+	7.978E-16	1.1327E-14	0.310059	hyper	sig	chr19_12513641
chr9	1.35E+08	134501210	+	7.987E-16	1.1339E-14	0.259117	hyper	sig	chr9_134501210
chr6	1.06E+08	105981602	+	7.989E-16	1.1342E-14	0.242672	hyper	sig	chr6_105981602
chr16	87603633	87603633	+	7.993E-16	1.1347E-14	0.24871	hyper	sig	chr16_87603633
chr4	1.87E+08	186538357	+	7.995E-16	1.1349E-14	-0.29328	hypo	sig	chr4_186538357
chr15	83379352	83379352	+	7.995E-16	1.135E-14	0.245537	hyper	sig	chr15_83379352
chr7	1.58E+08	157706860	+	8.011E-16	1.1372E-14	-0.317	hypo	sig	chr7_157706860
chr6	28635590	28635590	+	8.012E-16	1.1373E-14	0.250762	hyper	sig	chr6_28635590
chr12	2634000	2634000	+	8.024E-16	1.139E-14	-0.26199	hypo	sig	chr12_2634000
chr5	1.35E+08	135490120	+	8.027E-16	1.1393E-14	0.248051	hyper	sig	chr5_135490120
chr17	81480608	81480608	+	8.03E-16	1.1397E-14	-0.22563	hypo	sig	chr17_81480608
chr11	1.09E+08	109422427	+	8.033E-16	1.1401E-14	0.228174	hyper	sig	chr11_109422427
chr10	1110236	1110236	+	8.036E-16	1.1405E-14	-0.22499	hypo	sig	chr10_1110236
chr4	304820	304820	+	8.04E-16	1.141E-14	0.311106	hyper	sig	chr4_304820
chr8	46233940	46233940	+	8.042E-16	1.1413E-14	-0.33218	hypo	sig	chr8_46233940
chr20	61925604	61925604	+	8.048E-16	1.1422E-14	-0.42197	hypo	sig	chr20_61925604
chr12	81759685	81759685	+	8.061E-16	1.1439E-14	0.217378	hyper	sig	chr12_81759685
chr1	2.25E+08	225464186	+	8.073E-16	1.1456E-14	-0.34902	hypo	sig	chr1_225464186
chr6	1.17E+08	116565081	+	8.077E-16	1.1462E-14	0.294012	hyper	sig	chr6_116565081
chr4	8394171	8394171	+	8.099E-16	1.1493E-14	0.255577	hyper	sig	chr4_8394171
chr1	29121209	29121209	+	8.102E-16	1.1496E-14	0.330468	hyper	sig	chr1_29121209
chr2	74415360	74415360	+	8.108E-16	1.1505E-14	0.250168	hyper	sig	chr2_74415360
chr5	1.76E+08	175773551	+	8.112E-16	1.151E-14	0.22438	hyper	sig	chr5_175773551
chr5	1.41E+08	140824003	+	8.113E-16	1.1512E-14	0.251778	hyper	sig	chr5_140824003
chr4	1.47E+08	146637402	+	8.115E-16	1.1514E-14	0.283744	hyper	sig	chr4_146637402
chr7	1.18E+08	118214654	+	8.12E-16	1.1521E-14	0.208138	hyper	sig	chr7_118214654
chr8	22600519	22600519	+	8.122E-16	1.1523E-14	0.272724	hyper	sig	chr8_22600519

chr16	56194615	56194615	+	8.123E-16	1.1525E-14	0.213355	hyper	sig	chr16_56194615
chr19	58440774	58440774	+	8.123E-16	1.1525E-14	0.25482	hyper	sig	chr19_58440774
chr17	7447103	7447103	+	8.125E-16	1.1527E-14	0.249621	hyper	sig	chr17_7447103
chr1	54781638	54781638	+	8.128E-16	1.1531E-14	0.308103	hyper	sig	chr1_54781638
chr17	21770903	21770903	+	8.132E-16	1.1537E-14	0.253946	hyper	sig	chr17_21770903
chr1	2855638	2855638	+	8.133E-16	1.1537E-14	0.249211	hyper	sig	chr1_2855638
chr5	63961167	63961167	+	8.134E-16	1.1539E-14	0.332086	hyper	sig	chr5_63961167
chr1	44617410	44617410	+	8.136E-16	1.1541E-14	0.373209	hyper	sig	chr1_44617410
chr16	10180597	10180597	+	8.138E-16	1.1544E-14	0.302035	hyper	sig	chr16_10180597
chr10	23192593	23192593	+	8.14E-16	1.1547E-14	0.316669	hyper	sig	chr10_23192593
chr1	1.52E+08	152108886	+	8.144E-16	1.1552E-14	0.251544	hyper	sig	chr1_152108886
chr7	5303545	5303545	+	8.144E-16	1.1552E-14	-0.27577	hypo	sig	chr7_5303545
chr1	3359918	3359918	+	8.148E-16	1.1557E-14	-0.23481	hypo	sig	chr1_3359918
chr14	1.01E+08	101442513	+	8.157E-16	1.1569E-14	-0.21646	hypo	sig	chr14_101442513
chr5	3181992	3181992	+	8.16E-16	1.1574E-14	0.233366	hyper	sig	chr5_3181992
chr1	1.56E+08	156292039	+	8.166E-16	1.1582E-14	0.216829	hyper	sig	chr1_156292039
chr15	66707146	66707146	+	8.172E-16	1.159E-14	0.23112	hyper	sig	chr15_66707146
chr3	42936353	42936353	+	8.173E-16	1.1591E-14	0.212674	hyper	sig	chr3_42936353
chr2	80303266	80303266	+	8.173E-16	1.1591E-14	0.20407	hyper	sig	chr2_80303266
chr7	23490924	23490924	+	8.181E-16	1.1601E-14	0.215338	hyper	sig	chr7_23490924
chr17	82032390	82032390	+	8.189E-16	1.1613E-14	0.267129	hyper	sig	chr17_82032390
chr15	1.01E+08	100973582	+	8.193E-16	1.1619E-14	0.306298	hyper	sig	chr15_100973582
chr7	97022036	97022036	+	8.194E-16	1.1619E-14	0.309565	hyper	sig	chr7_97022036
chr19	56478482	56478482	+	8.196E-16	1.1622E-14	0.271529	hyper	sig	chr19_56478482
chr7	1.01E+08	101299747	+	8.203E-16	1.1631E-14	0.290016	hyper	sig	chr7_101299747
chr17	75504631	75504631	+	8.204E-16	1.1633E-14	-0.29698	hypo	sig	chr17_75504631
chr20	31873078	31873078	+	8.21E-16	1.1641E-14	-0.29189	hypo	sig	chr20_31873078
chr7	1055433	1055433	+	8.211E-16	1.1642E-14	0.295894	hyper	sig	chr7_1055433
chr17	44558621	44558621	+	8.216E-16	1.165E-14	0.28489	hyper	sig	chr17_44558621
chr12	57842929	57842929	+	8.219E-16	1.1653E-14	0.235532	hyper	sig	chr12_57842929
chr1	3499109	3499109	+	8.22E-16	1.1655E-14	-0.27172	hypo	sig	chr1_3499109
chr4	1.11E+08	110639958	+	8.22E-16	1.1655E-14	0.307881	hyper	sig	chr4_110639958
chr13	34943273	34943273	+	8.222E-16	1.1656E-14	0.247885	hyper	sig	chr13_34943273
chr16	54937686	54937686	+	8.222E-16	1.1657E-14	0.213536	hyper	sig	chr16_54937686
chr2	41335912	41335912	+	8.232E-16	1.167E-14	-0.27519	hypo	sig	chr2_41335912
chr20	21699245	21699245	+	8.234E-16	1.1672E-14	0.258514	hyper	sig	chr20_21699245
chr6	28259513	28259513	+	8.236E-16	1.1675E-14	0.341768	hyper	sig	chr6_28259513
chr1	2.34E+08	233615399	+	8.241E-16	1.1683E-14	-0.26943	hypo	sig	chr1_233615399
chr6	30127422	30127422	+	8.242E-16	1.1684E-14	0.258913	hyper	sig	chr6_30127422
chr1	6424013	6424013	+	8.243E-16	1.1685E-14	0.302853	hyper	sig	chr1_6424013
chr2	1.32E+08	131830101	+	8.25E-16	1.1694E-14	0.325434	hyper	sig	chr2_131830101
chr10	21167050	21167050	+	8.255E-16	1.1701E-14	-0.27363	hypo	sig	chr10_21167050
chr3	49718953	49718953	+	8.259E-16	1.1707E-14	0.256804	hyper	sig	chr3_49718953
chr16	86510878	86510878	+	8.277E-16	1.1731E-14	0.251592	hyper	sig	chr16_86510878
chr14	60485350	60485350	+	8.278E-16	1.1732E-14	0.256011	hyper	sig	chr14_60485350
chr1	90725453	90725453	+	8.279E-16	1.1734E-14	0.223791	hyper	sig	chr1_90725453
chr19	2588490	2588490	+	8.285E-16	1.1742E-14	-0.21611	hypo	sig	chr19_2588490
chr7	32070331	32070331	+	8.295E-16	1.1756E-14	0.312605	hyper	sig	chr7_32070331
chr17	48750190	48750190	+	8.298E-16	1.176E-14	0.217845	hyper	sig	chr17_48750190
chr6	32879808	32879808	+	8.3E-16	1.1762E-14	0.23402	hyper	sig	chr6_32879808
chr11	70662045	70662045	+	8.304E-16	1.1767E-14	0.304851	hyper	sig	chr11_70662045
chr19	56765468	56765468	+	8.309E-16	1.1774E-14	0.239536	hyper	sig	chr19_56765468
chr4	1615483	1615483	+	8.311E-16	1.1777E-14	-0.389	hypo	sig	chr4_1615483
chr3	46577174	46577174	+	8.313E-16	1.1779E-14	0.338443	hyper	sig	chr3_46577174
chr16	86513759	86513759	+	8.315E-16	1.1782E-14	0.285027	hyper	sig	chr16_86513759
chr8	1.44E+08	143599229	+	8.317E-16	1.1784E-14	0.367473	hyper	sig	chr8_143599229

chr2	88453135	88453135	+	8.326E-16	1.1798E-14	0.218703	hyper	sig	chr2_88453135
chr13	1.12E+08	111512432	+	8.331E-16	1.1804E-14	-0.21316	hypo	sig	chr13_111512432
chr8	23714220	23714220	+	8.336E-16	1.1811E-14	0.279247	hyper	sig	chr8_23714220
chr8	64369628	64369628	+	8.339E-16	1.1815E-14	0.233804	hyper	sig	chr8_64369628
chr8	38651074	38651074	+	8.34E-16	1.1816E-14	0.331243	hyper	sig	chr8_38651074
chr2	469079	469079	+	8.341E-16	1.1818E-14	0.217607	hyper	sig	chr2_469079
chr5	77785384	77785384	+	8.349E-16	1.1829E-14	-0.2509	hypo	sig	chr5_77785384
chr22	48902676	48902676	+	8.35E-16	1.183E-14	-0.23008	hypo	sig	chr22_48902676
chr1	77282691	77282691	+	8.356E-16	1.1839E-14	0.222195	hyper	sig	chr1_77282691
chr17	78841927	78841927	+	8.364E-16	1.1849E-14	-0.25764	hypo	sig	chr17_78841927
chr13	27976163	27976163	+	8.365E-16	1.185E-14	0.354477	hyper	sig	chr13_27976163
chr10	42898682	42898682	+	8.365E-16	1.185E-14	0.348841	hyper	sig	chr10_42898682
chr12	1.33E+08	132617373	+	8.366E-16	1.1852E-14	-0.28305	hypo	sig	chr12_132617373
chr19	35994359	35994359	+	8.369E-16	1.1855E-14	0.293545	hyper	sig	chr19_35994359
chr15	88255091	88255091	+	8.37E-16	1.1857E-14	0.264016	hyper	sig	chr15_88255091
chr3	26622926	26622926	+	8.37E-16	1.1857E-14	0.251953	hyper	sig	chr3_26622926
chr8	8374015	8374015	+	8.371E-16	1.1858E-14	-0.21968	hypo	sig	chr8_8374015
chr16	30023017	30023017	+	8.389E-16	1.1883E-14	-0.20518	hypo	sig	chr16_30023017
chr18	8662017	8662017	+	8.39E-16	1.1884E-14	-0.23086	hypo	sig	chr18_8662017
chr5	42922866	42922866	+	8.394E-16	1.1889E-14	-0.22128	hypo	sig	chr5_42922866
chr12	1.3E+08	130432384	+	8.395E-16	1.189E-14	-0.2194	hypo	sig	chr12_130432384
chr6	1.64E+08	164106215	+	8.398E-16	1.1895E-14	-0.29816	hypo	sig	chr6_164106215
chr10	1.23E+08	123143328	+	8.4E-16	1.1897E-14	0.274967	hyper	sig	chr10_123143328
chr17	7447007	7447007	+	8.401E-16	1.1898E-14	0.329549	hyper	sig	chr17_7447007
chr20	21521025	21521025	+	8.403E-16	1.1901E-14	0.292197	hyper	sig	chr20_21521025
chr4	3369839	3369839	+	8.403E-16	1.1901E-14	0.236141	hyper	sig	chr4_3369839
chr7	27245170	27245170	+	8.41E-16	1.191E-14	0.307139	hyper	sig	chr7_27245170
chr19	4559826	4559826	+	8.41E-16	1.191E-14	-0.29797	hypo	sig	chr19_4559826
chr2	1.18E+08	117859688	+	8.422E-16	1.1926E-14	0.36826	hyper	sig	chr2_117859688
chr11	1310554	1310554	+	8.423E-16	1.1927E-14	-0.23232	hypo	sig	chr11_1310554
chr15	99734043	99734043	+	8.422E-16	1.1927E-14	-0.24226	hypo	sig	chr15_99734043
chr19	48480413	48480413	+	8.434E-16	1.1942E-14	0.256684	hyper	sig	chr19_48480413
chr19	57944039	57944039	+	8.441E-16	1.1953E-14	-0.25924	hypo	sig	chr19_57944039
chr20	46152200	46152200	+	8.442E-16	1.1953E-14	-0.34805	hypo	sig	chr20_46152200
chr2	3595130	3595130	+	8.45E-16	1.1964E-14	0.284311	hyper	sig	chr2_3595130
chr11	1.3E+08	130189686	+	8.452E-16	1.1967E-14	-0.25076	hypo	sig	chr11_130189686
chr3	49686111	49686111	+	8.454E-16	1.197E-14	0.283508	hyper	sig	chr3_49686111
chr1	1.48E+08	148318342	+	8.457E-16	1.1974E-14	0.305287	hyper	sig	chr1_148318342
chr17	82032382	82032382	+	8.457E-16	1.1974E-14	0.299822	hyper	sig	chr17_82032382
chr8	96160315	96160315	+	8.464E-16	1.1983E-14	0.34386	hyper	sig	chr8_96160315
chr1	2E+08	200042131	+	8.464E-16	1.1984E-14	0.266183	hyper	sig	chr1_200042131
chr17	4900809	4900809	+	8.465E-16	1.1984E-14	0.312347	hyper	sig	chr17_4900809
chr8	10333467	10333467	+	8.468E-16	1.1988E-14	-0.27338	hypo	sig	chr8_10333467
chr4	73998611	73998611	+	8.473E-16	1.1995E-14	0.245552	hyper	sig	chr4_73998611
chr2	2.36E+08	236236796	+	8.476E-16	1.1999E-14	0.230585	hyper	sig	chr2_236236796
chr8	1.42E+08	141622560	+	8.482E-16	1.2007E-14	-0.29691	hypo	sig	chr8_141622560
chr1	1942050	1942050	+	8.485E-16	1.2011E-14	-0.27757	hypo	sig	chr1_1942050
chr10	42898688	42898688	+	8.486E-16	1.2012E-14	0.358194	hyper	sig	chr10_42898688
chr19	58367709	58367709	+	8.495E-16	1.2025E-14	0.24425	hyper	sig	chr19_58367709
chr15	93109360	93109360	+	8.501E-16	1.2033E-14	-0.26955	hypo	sig	chr15_93109360
chr2	44944228	44944228	+	8.502E-16	1.2034E-14	0.406681	hyper	sig	chr2_44944228
chr1	2.07E+08	207495989	+	8.505E-16	1.2037E-14	0.247829	hyper	sig	chr1_207495989
chr8	84184995	84184995	+	8.506E-16	1.2039E-14	0.245291	hyper	sig	chr8_84184995
chr10	607662	607662	+	8.51E-16	1.2044E-14	0.25706	hyper	sig	chr10_607662
chr7	64883012	64883012	+	8.516E-16	1.2052E-14	0.410911	hyper	sig	chr7_64883012
chr10	7531543	7531543	+	8.516E-16	1.2052E-14	-0.26385	hypo	sig	chr10_7531543

chr4	4864733	4864733	+	8.516E-16	1.2052E-14	0.309255	hyper	sig	chr4_4864733
chr17	49910730	49910730	+	8.521E-16	1.2059E-14	0.293322	hyper	sig	chr17_49910730
chr16	29220878	29220878	+	8.523E-16	1.2061E-14	0.338624	hyper	sig	chr16_29220878
chr3	1.38E+08	137772046	+	8.527E-16	1.2066E-14	0.214464	hyper	sig	chr3_137772046
chr19	58118355	58118355	+	8.528E-16	1.2069E-14	0.294752	hyper	sig	chr19_58118355
chr10	1.34E+08	133528054	+	8.53E-16	1.207E-14	0.321657	hyper	sig	chr10_133528054
chr1	17618179	17618179	+	8.532E-16	1.2073E-14	0.241217	hyper	sig	chr1_17618179
chr19	49210749	49210749	+	8.539E-16	1.2083E-14	0.313372	hyper	sig	chr19_49210749
chr5	2749691	2749691	+	8.548E-16	1.2096E-14	0.342935	hyper	sig	chr5_2749691
chr8	26047472	26047472	+	8.549E-16	1.2096E-14	0.291965	hyper	sig	chr8_26047472
chr13	50126514	50126514	+	8.556E-16	1.2106E-14	-0.23481	hypo	sig	chr13_50126514
chr2	2.39E+08	239122179	+	8.556E-16	1.2106E-14	0.235351	hyper	sig	chr2_239122179
chr4	887440	887440	+	8.559E-16	1.2109E-14	0.31308	hyper	sig	chr4_887440
chr22	36324094	36324094	+	8.559E-16	1.2109E-14	0.321872	hyper	sig	chr22_36324094
chr4	1.47E+08	146637376	+	8.566E-16	1.212E-14	0.293586	hyper	sig	chr4_146637376
chr11	69075534	69075534	+	8.568E-16	1.2121E-14	0.213483	hyper	sig	chr11_69075534
chr17	78398045	78398045	+	8.57E-16	1.2124E-14	0.234212	hyper	sig	chr17_78398045
chr12	1.04E+08	104303622	+	8.571E-16	1.2125E-14	0.217146	hyper	sig	chr12_104303622
chr20	58841833	58841833	+	8.576E-16	1.2132E-14	0.250464	hyper	sig	chr20_58841833
chr12	1.3E+08	129926833	+	8.576E-16	1.2132E-14	-0.27972	hypo	sig	chr12_129926833
chr12	6887696	6887696	+	8.578E-16	1.2134E-14	-0.33191	hypo	sig	chr12_6887696
chr11	30583803	30583803	+	8.58E-16	1.2138E-14	0.367208	hyper	sig	chr11_30583803
chr6	1.1E+08	109979872	+	8.582E-16	1.2139E-14	0.321237	hyper	sig	chr6_109979872
chr17	4656816	4656816	+	8.585E-16	1.2144E-14	0.263952	hyper	sig	chr17_4656816
chr1	1.44E+08	143661966	+	8.588E-16	1.2148E-14	0.277681	hyper	sig	chr1_143661966
chr12	1.2E+08	120397877	+	8.596E-16	1.2158E-14	0.256028	hyper	sig	chr12_120397877
chr19	43699461	43699461	+	8.601E-16	1.2165E-14	0.253244	hyper	sig	chr19_43699461
chr10	71774529	71774529	+	8.601E-16	1.2166E-14	-0.21673	hypo	sig	chr10_71774529
chr7	1.5E+08	149881223	+	8.602E-16	1.2166E-14	0.232894	hyper	sig	chr7_149881223
chr13	77919688	77919688	+	8.608E-16	1.2174E-14	0.275806	hyper	sig	chr13_77919688
chr2	2.36E+08	235852835	+	8.608E-16	1.2174E-14	0.261363	hyper	sig	chr2_235852835
chr16	88186699	88186699	+	8.609E-16	1.2176E-14	0.283982	hyper	sig	chr16_88186699
chr5	1886766	1886766	+	8.609E-16	1.2176E-14	0.345238	hyper	sig	chr5_1886766
chr8	2091617	2091617	+	8.61E-16	1.2176E-14	-0.20004	hypo	sig	chr8_2091617
chr19	57709294	57709294	+	8.614E-16	1.2182E-14	0.225592	hyper	sig	chr19_57709294
chr8	1.41E+08	141190405	+	8.618E-16	1.2187E-14	0.210066	hyper	sig	chr8_141190405
chr7	1.22E+08	122300164	+	8.621E-16	1.2191E-14	0.38654	hyper	sig	chr7_122300164
chr1	16869270	16869270	+	8.628E-16	1.22E-14	-0.20488	hypo	sig	chr1_16869270
chr1	17424281	17424281	+	8.63E-16	1.2203E-14	0.265981	hyper	sig	chr1_17424281
chr20	9839991	9839991	+	8.634E-16	1.2209E-14	-0.27877	hypo	sig	chr20_9839991
chr8	23702531	23702531	+	8.637E-16	1.2213E-14	0.281539	hyper	sig	chr8_23702531
chr1	27567375	27567375	+	8.64E-16	1.2217E-14	0.315162	hyper	sig	chr1_27567375
chr5	1.8E+08	180158198	+	8.646E-16	1.2225E-14	-0.26374	hypo	sig	chr5_180158198
chr5	6583693	6583693	+	8.648E-16	1.2226E-14	0.205308	hyper	sig	chr5_6583693
chr16	1020188	1020188	+	8.649E-16	1.2228E-14	-0.31211	hypo	sig	chr16_1020188
chr4	1.47E+08	146637405	+	8.655E-16	1.2236E-14	0.267716	hyper	sig	chr4_146637405
chr7	1.3E+08	130366001	+	8.656E-16	1.2237E-14	-0.25787	hypo	sig	chr7_130366001
chr16	10182817	10182817	+	8.667E-16	1.2252E-14	0.26376	hyper	sig	chr16_10182817
chr19	55087890	55087890	+	8.668E-16	1.2254E-14	0.288643	hyper	sig	chr19_55087890
chr8	98428219	98428219	+	8.669E-16	1.2255E-14	0.291961	hyper	sig	chr8_98428219
chr5	59893867	59893867	+	8.672E-16	1.226E-14	0.235793	hyper	sig	chr5_59893867
chr16	3161518	3161518	+	8.679E-16	1.2269E-14	-0.25301	hypo	sig	chr16_3161518
chr20	38729450	38729450	+	8.695E-16	1.2291E-14	0.210743	hyper	sig	chr20_38729450
chr8	22691402	22691402	+	8.707E-16	1.2309E-14	0.223215	hyper	sig	chr8_22691402
chr10	99232450	99232450	+	8.71E-16	1.2313E-14	0.230971	hyper	sig	chr10_99232450
chr19	12266393	12266393	+	8.718E-16	1.2324E-14	0.268264	hyper	sig	chr19_12266393

chr11	1872300	1872300	+	8.719E-16	1.2324E-14	-0.26596	hypo	sig	chr11_1872300
chr15	65075165	65075165	+	8.722E-16	1.2329E-14	-0.24771	hypo	sig	chr15_65075165
chr5	1.14E+08	114056367	+	8.723E-16	1.2329E-14	0.203793	hyper	sig	chr5_114056367
chr1	1.55E+08	155304980	+	8.729E-16	1.2337E-14	-0.27308	hypo	sig	chr1_155304980
chr2	2.19E+08	219289597	+	8.73E-16	1.2338E-14	0.21618	hyper	sig	chr2_219289597
chr16	11676310	11676310	+	8.734E-16	1.2344E-14	-0.28301	hypo	sig	chr16_11676310
chr17	63437442	63437442	+	8.749E-16	1.2365E-14	0.246001	hyper	sig	chr17_63437442
chr18	46329939	46329939	+	8.759E-16	1.2379E-14	-0.27544	hypo	sig	chr18_46329939
chr10	99528109	99528109	+	8.76E-16	1.238E-14	0.254832	hyper	sig	chr10_99528109
chr7	1.5E+08	150221046	+	8.765E-16	1.2387E-14	0.284024	hyper	sig	chr7_150221046
chr7	73607045	73607045	+	8.77E-16	1.2394E-14	0.24694	hyper	sig	chr7_73607045
chr1	90725428	90725428	+	8.779E-16	1.2405E-14	0.241924	hyper	sig	chr1_90725428
chr9	1.37E+08	136846425	+	8.779E-16	1.2405E-14	0.294211	hyper	sig	chr9_136846425
chr13	52849992	52849992	+	8.78E-16	1.2407E-14	0.243944	hyper	sig	chr13_52849992
chr6	1E+08	100457773	+	8.782E-16	1.2409E-14	0.304615	hyper	sig	chr6_100457773
chr13	1.14E+08	113978048	+	8.785E-16	1.2414E-14	-0.21631	hypo	sig	chr13_113978048
chr17	49994392	49994392	+	8.785E-16	1.2414E-14	0.377267	hyper	sig	chr17_49994392
chr5	1.16E+08	115962219	+	8.792E-16	1.2423E-14	0.312509	hyper	sig	chr5_115962219
chr1	32465578	32465578	+	8.793E-16	1.2424E-14	0.23544	hyper	sig	chr1_32465578
chr13	1.12E+08	111920751	+	8.798E-16	1.2431E-14	-0.24347	hypo	sig	chr13_111920751
chr21	45534144	45534144	+	8.801E-16	1.2435E-14	0.244748	hyper	sig	chr21_45534144
chr6	1.08E+08	108116835	+	8.804E-16	1.2438E-14	0.262134	hyper	sig	chr6_108116835
chr10	43574000	43574000	+	8.807E-16	1.2443E-14	0.322743	hyper	sig	chr10_43574000
chr17	80192539	80192539	+	8.813E-16	1.2451E-14	0.229071	hyper	sig	chr17_80192539
chr19	53308739	53308739	+	8.814E-16	1.2453E-14	0.256475	hyper	sig	chr19_53308739
chr3	1.2E+08	119810311	+	8.817E-16	1.2456E-14	0.229985	hyper	sig	chr3_119810311
chr8	1335331	1335331	+	8.817E-16	1.2456E-14	-0.28568	hypo	sig	chr8_1335331
chr6	1.63E+08	162728421	+	8.821E-16	1.2461E-14	0.215043	hyper	sig	chr6_162728421
chr15	96368816	96368816	+	8.829E-16	1.2473E-14	0.296727	hyper	sig	chr15_96368816
chr20	46021729	46021729	+	8.841E-16	1.2489E-14	0.265879	hyper	sig	chr20_46021729
chr4	1.25E+08	125317235	+	8.843E-16	1.2491E-14	0.243845	hyper	sig	chr4_125317235
chr2	70907378	70907378	+	8.843E-16	1.2491E-14	0.223333	hyper	sig	chr2_70907378
chr19	58367655	58367655	+	8.844E-16	1.2492E-14	0.23185	hyper	sig	chr19_58367655
chr3	42805535	42805535	+	8.851E-16	1.2502E-14	0.234981	hyper	sig	chr3_42805535
chr17	6996000	6996000	+	8.854E-16	1.2506E-14	0.204915	hyper	sig	chr17_6996000
chr18	44744640	44744640	+	8.854E-16	1.2506E-14	0.294782	hyper	sig	chr18_44744640
chr12	46831480	46831480	+	8.856E-16	1.2508E-14	0.233577	hyper	sig	chr12_46831480
chr19	46413824	46413824	+	8.858E-16	1.2511E-14	0.280965	hyper	sig	chr19_46413824
chr12	1.07E+08	106586503	+	8.859E-16	1.2512E-14	0.246942	hyper	sig	chr12_106586503
chr15	82648775	82648775	+	8.871E-16	1.2529E-14	0.251382	hyper	sig	chr15_82648775
chr3	1.82E+08	181726755	+	8.875E-16	1.2534E-14	0.214429	hyper	sig	chr3_181726755
chr13	1.08E+08	107866030	+	8.875E-16	1.2534E-14	0.335062	hyper	sig	chr13_107866030
chr1	5994768	5994768	+	8.879E-16	1.254E-14	-0.22624	hypo	sig	chr1_5994768
chr5	1.77E+08	177301619	+	8.881E-16	1.2543E-14	-0.24452	hypo	sig	chr5_177301619
chr5	1.35E+08	134923838	+	8.886E-16	1.2549E-14	0.262589	hyper	sig	chr5_134923838
chr7	73831708	73831708	+	8.901E-16	1.257E-14	-0.25084	hypo	sig	chr7_73831708
chr17	80510416	80510416	+	8.908E-16	1.2579E-14	-0.21901	hypo	sig	chr17_80510416
chr9	94332853	94332853	+	8.914E-16	1.2588E-14	0.257576	hyper	sig	chr9_94332853
chr16	84643157	84643157	+	8.916E-16	1.2591E-14	0.228432	hyper	sig	chr16_84643157
chr19	48746809	48746809	+	8.919E-16	1.2594E-14	0.277598	hyper	sig	chr19_48746809
chr1	6089466	6089466	+	8.921E-16	1.2597E-14	-0.20021	hypo	sig	chr1_6089466
chr8	2561937	2561937	+	8.922E-16	1.2598E-14	0.27516	hyper	sig	chr8_2561937
chr1	43008198	43008198	+	8.926E-16	1.2603E-14	-0.21212	hypo	sig	chr1_43008198
chr9	1.32E+08	131578881	+	8.926E-16	1.2604E-14	-0.28298	hypo	sig	chr9_131578881
chr5	26669261	26669261	+	8.929E-16	1.2607E-14	-0.24483	hypo	sig	chr5_26669261
chr1	1.98E+08	197921487	+	8.942E-16	1.2625E-14	0.211927	hyper	sig	chr1_197921487

chr19	2272756	2272756	+	8.949E-16	1.2634E-14	-0.28767	hypo	sig	chr19_2272756
chr17	74235179	74235179	+	8.957E-16	1.2646E-14	-0.22519	hypo	sig	chr17_74235179
chr2	1602100	1602100	+	8.96E-16	1.2649E-14	0.227233	hyper	sig	chr2_1602100
chr3	1.8E+08	180036451	+	8.962E-16	1.2651E-14	0.230949	hyper	sig	chr3_180036451
chr20	63775447	63775447	+	8.973E-16	1.2668E-14	0.3358	hyper	sig	chr20_63775447
chr4	1.83E+08	182801817	+	8.974E-16	1.2668E-14	-0.26683	hypo	sig	chr4_182801817
chr16	72961278	72961278	+	8.98E-16	1.2677E-14	-0.26499	hypo	sig	chr16_72961278
chr17	78232219	78232219	+	8.982E-16	1.268E-14	0.261812	hyper	sig	chr17_78232219
chr5	1.41E+08	141387845	+	8.984E-16	1.2682E-14	0.232337	hyper	sig	chr5_141387845
chr20	62706991	62706991	+	8.986E-16	1.2684E-14	-0.27694	hypo	sig	chr20_62706991
chr4	20252975	20252975	+	8.989E-16	1.2688E-14	0.202805	hyper	sig	chr4_20252975
chr11	86431410	86431410	+	8.99E-16	1.2689E-14	0.21284	hyper	sig	chr11_86431410
chr7	64942664	64942664	+	8.994E-16	1.2694E-14	0.301586	hyper	sig	chr7_64942664
chr6	79947028	79947028	+	8.998E-16	1.2699E-14	0.224682	hyper	sig	chr6_79947028
chr2	1.61E+08	160967722	+	9.002E-16	1.2706E-14	-0.22776	hypo	sig	chr2_160967722
chr2	2.32E+08	231514927	+	9.003E-16	1.2706E-14	0.239417	hyper	sig	chr2_231514927
chr9	1.3E+08	129608959	+	9.005E-16	1.2709E-14	-0.25809	hypo	sig	chr9_129608959
chr2	63054026	63054026	+	9.007E-16	1.2711E-14	0.201789	hyper	sig	chr2_63054026
chr2	1.12E+08	112134337	+	9.012E-16	1.2719E-14	-0.2778	hypo	sig	chr2_112134337
chr10	1.33E+08	132908678	+	9.014E-16	1.2721E-14	-0.21494	hypo	sig	chr10_132908678
chr2	1.01E+08	101350489	+	9.014E-16	1.2721E-14	-0.24544	hypo	sig	chr2_101350489
chr1	2.46E+08	245577370	+	9.031E-16	1.2744E-14	-0.2528	hypo	sig	chr1_245577370
chr19	18650322	18650322	+	9.031E-16	1.2744E-14	0.299734	hyper	sig	chr19_18650322
chr22	17172418	17172418	+	9.036E-16	1.2752E-14	0.277446	hyper	sig	chr22_17172418
chr7	1325374	1325374	+	9.045E-16	1.2763E-14	-0.22249	hypo	sig	chr7_1325374
chr5	44389240	44389240	+	9.046E-16	1.2764E-14	0.285164	hyper	sig	chr5_44389240
chr15	79283080	79283080	+	9.049E-16	1.2769E-14	0.26316	hyper	sig	chr15_79283080
chr14	21026060	21026060	+	9.057E-16	1.2781E-14	0.265721	hyper	sig	chr14_21026060
chr9	1.15E+08	114503718	+	9.06E-16	1.2784E-14	0.213637	hyper	sig	chr9_114503718
chr17	40779819	40779819	+	9.071E-16	1.2799E-14	0.23068	hyper	sig	chr17_40779819
chr10	69578713	69578713	+	9.071E-16	1.2799E-14	0.311247	hyper	sig	chr10_69578713
chr5	2112353	2112353	+	9.082E-16	1.2814E-14	0.249831	hyper	sig	chr5_2112353
chr1	34885814	34885814	+	9.092E-16	1.2827E-14	0.202841	hyper	sig	chr1_34885814
chr15	40770116	40770116	+	9.093E-16	1.2829E-14	-0.27049	hypo	sig	chr15_40770116
chr20	31721663	31721663	+	9.093E-16	1.2829E-14	-0.23636	hypo	sig	chr20_31721663
chr12	1.14E+08	113669960	+	9.1E-16	1.2838E-14	0.242654	hyper	sig	chr12_113669960
chr5	43037183	43037183	+	9.113E-16	1.2857E-14	0.24005	hyper	sig	chr5_43037183
chr6	41028420	41028420	+	9.12E-16	1.2866E-14	0.296099	hyper	sig	chr6_41028420
chr8	26048295	26048295	+	9.122E-16	1.2868E-14	0.252876	hyper	sig	chr8_26048295
chr2	91443567	91443567	+	9.135E-16	1.2886E-14	0.3086	hyper	sig	chr2_91443567
chr11	46361687	46361687	+	9.139E-16	1.2892E-14	0.254679	hyper	sig	chr11_46361687
chr5	1.75E+08	175060021	+	9.141E-16	1.2894E-14	0.210605	hyper	sig	chr5_175060021
chr21	44428063	44428063	+	9.143E-16	1.2897E-14	-0.25428	hypo	sig	chr21_44428063
chr6	98825133	98825133	+	9.147E-16	1.2903E-14	0.301427	hyper	sig	chr6_98825133
chr11	64850198	64850198	+	9.149E-16	1.2905E-14	0.213647	hyper	sig	chr11_64850198
chr7	530310	530310	+	9.151E-16	1.2907E-14	-0.23274	hypo	sig	chr7_530310
chr2	1059174	1059174	+	9.152E-16	1.2909E-14	-0.21338	hypo	sig	chr2_1059174
chr12	1.31E+08	130954146	+	9.154E-16	1.2911E-14	0.20573	hyper	sig	chr12_130954146
chr2	44945141	44945141	+	9.154E-16	1.2911E-14	0.273713	hyper	sig	chr2_44945141
chr5	1.41E+08	141178115	+	9.161E-16	1.2921E-14	0.364524	hyper	sig	chr5_141178115
chr1	2.26E+08	225880700	+	9.17E-16	1.2932E-14	-0.2916	hypo	sig	chr1_225880700
chr17	72124098	72124098	+	9.172E-16	1.2935E-14	-0.30661	hypo	sig	chr17_72124098
chr10	1150752	1150752	+	9.173E-16	1.2937E-14	-0.23002	hypo	sig	chr10_1150752
chr17	77645240	77645240	+	9.173E-16	1.2937E-14	-0.3195	hypo	sig	chr17_77645240
chr9	87773224	87773224	+	9.181E-16	1.2948E-14	-0.26092	hypo	sig	chr9_87773224
chr1	2291051	2291051	+	9.184E-16	1.2951E-14	0.249237	hyper	sig	chr1_2291051

chr16	88186685	88186685	+	9.188E-16	1.2956E-14	0.306766	hyper	sig	chr16_88186685
chr17	79185456	79185456	+	9.189E-16	1.2957E-14	-0.35043	hypo	sig	chr17_79185456
chr1	2.29E+08	229432784	+	9.194E-16	1.2965E-14	0.272453	hyper	sig	chr1_229432784
chr2	1.63E+08	163348493	+	9.199E-16	1.2971E-14	0.226777	hyper	sig	chr2_163348493
chr13	1.02E+08	102069775	+	9.203E-16	1.2976E-14	-0.30195	hypo	sig	chr13_102069775
chr22	38214546	38214546	+	9.207E-16	1.2981E-14	0.279335	hyper	sig	chr22_38214546
chr5	1.14E+08	114058894	+	9.215E-16	1.2993E-14	-0.29861	hypo	sig	chr5_114058894
chr1	3651306	3651306	+	9.222E-16	1.3002E-14	0.266555	hyper	sig	chr1_3651306
chr7	1.3E+08	129778218	+	9.222E-16	1.3002E-14	0.301996	hyper	sig	chr7_129778218
chr6	49713527	49713527	+	9.232E-16	1.3016E-14	0.228942	hyper	sig	chr6_49713527
chr16	3306120	3306120	+	9.235E-16	1.302E-14	0.244836	hyper	sig	chr16_3306120
chr2	1.56E+08	156320823	+	9.239E-16	1.3025E-14	0.302414	hyper	sig	chr2_156320823
chr17	78258237	78258237	+	9.239E-16	1.3025E-14	-0.26301	hypo	sig	chr17_78258237
chr8	26865346	26865346	+	9.24E-16	1.3027E-14	0.227431	hyper	sig	chr8_26865346
chr16	28063115	28063115	+	9.248E-16	1.3037E-14	0.208224	hyper	sig	chr16_28063115
chr8	1.41E+08	140609384	+	9.259E-16	1.3052E-14	0.205212	hyper	sig	chr8_140609384
chr7	1.52E+08	151600178	+	9.263E-16	1.3058E-14	0.364683	hyper	sig	chr7_151600178
chr12	1.29E+08	128544041	+	9.265E-16	1.306E-14	0.278872	hyper	sig	chr12_128544041
chr5	1.41E+08	141399530	+	9.268E-16	1.3064E-14	0.268346	hyper	sig	chr5_141399530
chr3	196541	196541	+	9.273E-16	1.3071E-14	0.291861	hyper	sig	chr3_196541
chr1	47229247	47229247	+	9.28E-16	1.308E-14	0.402366	hyper	sig	chr1_47229247
chr22	46085052	46085052	+	9.28E-16	1.308E-14	-0.25688	hypo	sig	chr22_46085052
chr5	1.81E+08	181059591	+	9.281E-16	1.3082E-14	0.227479	hyper	sig	chr5_181059591
chr16	2127277	2127277	+	9.282E-16	1.3083E-14	0.205299	hyper	sig	chr16_2127277
chr19	3163719	3163719	+	9.283E-16	1.3083E-14	0.268258	hyper	sig	chr19_3163719
chr11	65640936	65640936	+	9.292E-16	1.3097E-14	-0.31346	hypo	sig	chr11_65640936
chr10	70441826	70441826	+	9.304E-16	1.3113E-14	-0.25157	hypo	sig	chr10_70441826
chr5	29295738	29295738	+	9.309E-16	1.312E-14	-0.29541	hypo	sig	chr5_29295738
chr14	30875839	30875839	+	9.317E-16	1.313E-14	0.31385	hyper	sig	chr14_30875839
chr18	46758219	46758219	+	9.32E-16	1.3134E-14	0.252013	hyper	sig	chr18_46758219
chr19	40611313	40611313	+	9.326E-16	1.3142E-14	-0.26073	hypo	sig	chr19_40611313
chr5	77972559	77972559	+	9.326E-16	1.3143E-14	0.279291	hyper	sig	chr5_77972559
chr1	2.05E+08	205314139	+	9.327E-16	1.3143E-14	0.229892	hyper	sig	chr1_205314139
chr1	1.83E+08	182953570	+	9.328E-16	1.3144E-14	-0.28857	hypo	sig	chr1_182953570
chr6	50820271	50820271	+	9.33E-16	1.3147E-14	0.281309	hyper	sig	chr6_50820271
chr12	63822162	63822162	+	9.338E-16	1.3159E-14	0.286957	hyper	sig	chr12_63822162
chr8	22552171	22552171	+	9.341E-16	1.3162E-14	-0.20494	hypo	sig	chr8_22552171
chr12	6555436	6555436	+	9.342E-16	1.3163E-14	0.290179	hyper	sig	chr12_6555436
chr17	79118558	79118558	+	9.354E-16	1.318E-14	-0.28509	hypo	sig	chr17_79118558
chr20	1329078	1329078	+	9.362E-16	1.3191E-14	-0.26162	hypo	sig	chr20_1329078
chr4	41880169	41880169	+	9.373E-16	1.3206E-14	0.440002	hyper	sig	chr4_41880169
chr15	37102919	37102919	+	9.379E-16	1.3215E-14	0.278822	hyper	sig	chr15_37102919
chr16	89098943	89098943	+	9.38E-16	1.3215E-14	-0.21749	hypo	sig	chr16_89098943
chr7	69482898	69482898	+	9.382E-16	1.3218E-14	-0.22576	hypo	sig	chr7_69482898
chr22	20116392	20116392	+	9.384E-16	1.3221E-14	0.230767	hyper	sig	chr22_20116392
chr12	1.04E+08	104294333	+	9.384E-16	1.3221E-14	0.270336	hyper	sig	chr12_104294333
chr1	11701293	11701293	+	9.385E-16	1.3221E-14	-0.2433	hypo	sig	chr1_11701293
chr6	30071198	30071198	+	9.385E-16	1.3221E-14	0.264637	hyper	sig	chr6_30071198
chr3	1.47E+08	147412698	+	9.386E-16	1.3223E-14	0.244339	hyper	sig	chr3_147412698
chr17	20907954	20907954	+	9.395E-16	1.3235E-14	-0.31008	hypo	sig	chr17_20907954
chr7	35186624	35186624	+	9.4E-16	1.3242E-14	0.250044	hyper	sig	chr7_35186624
chr19	3801705	3801705	+	9.402E-16	1.3244E-14	0.280184	hyper	sig	chr19_3801705
chr9	1.37E+08	137085762	+	9.402E-16	1.3244E-14	-0.24499	hypo	sig	chr9_137085762
chr5	3599463	3599463	+	9.405E-16	1.3248E-14	0.330127	hyper	sig	chr5_3599463
chr19	16284017	16284017	+	9.408E-16	1.3253E-14	0.270285	hyper	sig	chr19_16284017
chr4	92305828	92305828	+	9.411E-16	1.3256E-14	0.24341	hyper	sig	chr4_92305828

chr8	55372098	55372098	+	9.413E-16	1.3259E-14	-0.33626	hypo	sig	chr8_55372098
chr20	35174653	35174653	+	9.414E-16	1.3259E-14	-0.3866	hypo	sig	chr20_35174653
chr16	67170956	67170956	+	9.428E-16	1.3279E-14	0.215295	hyper	sig	chr16_67170956
chr12	2311602	2311602	+	9.437E-16	1.3291E-14	0.263093	hyper	sig	chr12_2311602
chr20	24949405	24949405	+	9.439E-16	1.3294E-14	-0.25703	hypo	sig	chr20_24949405
chr3	1.84E+08	184338734	+	9.44E-16	1.3295E-14	0.327357	hyper	sig	chr3_184338734
chr2	2.1E+08	210315277	+	9.444E-16	1.33E-14	-0.22073	hypo	sig	chr2_210315277
chr13	27975851	27975851	+	9.444E-16	1.3301E-14	0.268955	hyper	sig	chr13_27975851
chr6	73937599	73937599	+	9.449E-16	1.3307E-14	-0.30862	hypo	sig	chr6_73937599
chr19	29528777	29528777	+	9.453E-16	1.3312E-14	0.211905	hyper	sig	chr19_29528777
chr10	1.01E+08	100748585	+	9.453E-16	1.3312E-14	0.247752	hyper	sig	chr10_100748585
chr4	1.11E+08	110628763	+	9.46E-16	1.3321E-14	0.260793	hyper	sig	chr4_110628763
chr19	57614778	57614778	+	9.46E-16	1.3322E-14	0.375926	hyper	sig	chr19_57614778
chr19	3163715	3163715	+	9.462E-16	1.3324E-14	0.264308	hyper	sig	chr19_3163715
chr7	8440905	8440905	+	9.468E-16	1.3332E-14	0.298819	hyper	sig	chr7_8440905
chr4	80185411	80185411	+	9.47E-16	1.3334E-14	0.250348	hyper	sig	chr4_80185411
chr9	97852559	97852559	+	9.47E-16	1.3335E-14	0.359259	hyper	sig	chr9_97852559
chr16	85445695	85445695	+	9.471E-16	1.3336E-14	0.215675	hyper	sig	chr16_85445695
chr11	31800799	31800799	+	9.478E-16	1.3345E-14	0.247363	hyper	sig	chr11_31800799
chr3	44585233	44585233	+	9.479E-16	1.3347E-14	0.225751	hyper	sig	chr3_44585233
chr12	52849031	52849031	+	9.48E-16	1.3348E-14	-0.20285	hypo	sig	chr12_52849031
chr8	1.42E+08	142119754	+	9.481E-16	1.3349E-14	-0.33167	hypo	sig	chr8_142119754
chr19	3179764	3179764	+	9.487E-16	1.3357E-14	-0.24799	hypo	sig	chr19_3179764
chr16	88322359	88322359	+	9.489E-16	1.3359E-14	-0.21189	hypo	sig	chr16_88322359
chr10	5546206	5546206	+	9.502E-16	1.3377E-14	-0.22935	hypo	sig	chr10_5546206
chr13	1.12E+08	112069926	+	9.503E-16	1.3378E-14	0.425138	hyper	sig	chr13_112069926
chr21	26967531	26967531	+	9.504E-16	1.338E-14	0.231285	hyper	sig	chr21_26967531
chr9	95102902	95102902	+	9.505E-16	1.3381E-14	0.244715	hyper	sig	chr9_95102902
chr1	53140902	53140902	+	9.518E-16	1.3399E-14	-0.25214	hypo	sig	chr1_53140902
chr8	26048060	26048060	+	9.52E-16	1.3401E-14	0.276395	hyper	sig	chr8_26048060
chr19	750759	750759	+	9.522E-16	1.3403E-14	-0.28448	hypo	sig	chr19_750759
chr6	34236060	34236060	+	9.527E-16	1.3411E-14	-0.27335	hypo	sig	chr6_34236060
chr11	2144424	2144424	+	9.528E-16	1.3412E-14	0.263807	hyper	sig	chr11_2144424
chr3	1.84E+08	184338725	+	9.538E-16	1.3425E-14	0.363019	hyper	sig	chr3_184338725
chr17	6995843	6995843	+	9.538E-16	1.3425E-14	0.202462	hyper	sig	chr17_6995843
chr2	1.78E+08	178193430	+	9.543E-16	1.3432E-14	-0.23406	hypo	sig	chr2_178193430
chr1	53460592	53460592	+	9.549E-16	1.344E-14	-0.30022	hypo	sig	chr1_53460592
chr11	1217187	1217187	+	9.553E-16	1.3445E-14	-0.21967	hypo	sig	chr11_1217187
chr11	1371177	1371177	+	9.553E-16	1.3445E-14	-0.24466	hypo	sig	chr11_1371177
chr8	1.43E+08	142510249	+	9.557E-16	1.3451E-14	0.239956	hyper	sig	chr8_142510249
chr8	1.4E+08	140047722	+	9.558E-16	1.3452E-14	0.223285	hyper	sig	chr8_140047722
chr22	19729136	19729136	+	9.571E-16	1.3469E-14	-0.27034	hypo	sig	chr22_19729136
chr16	87417191	87417191	+	9.577E-16	1.3478E-14	0.273784	hyper	sig	chr16_87417191
chr20	63493586	63493586	+	9.58E-16	1.3482E-14	-0.32562	hypo	sig	chr20_63493586
chr16	55656717	55656717	+	9.583E-16	1.3485E-14	0.279564	hyper	sig	chr16_55656717
chr9	1042223	1042223	+	9.588E-16	1.3493E-14	0.256997	hyper	sig	chr9_1042223
chr21	41678356	41678356	+	9.59E-16	1.3495E-14	-0.26498	hypo	sig	chr21_41678356
chr9	36258971	36258971	+	9.591E-16	1.3496E-14	0.237428	hyper	sig	chr9_36258971
chr19	6271775	6271775	+	9.601E-16	1.351E-14	0.286481	hyper	sig	chr19_6271775
chr14	36654495	36654495	+	9.603E-16	1.3513E-14	0.27238	hyper	sig	chr14_36654495
chr1	1.1E+08	110152161	+	9.606E-16	1.3517E-14	-0.21607	hypo	sig	chr1_110152161
chr10	99330737	99330737	+	9.61E-16	1.3521E-14	0.231099	hyper	sig	chr10_99330737
chr10	1.33E+08	132943016	+	9.623E-16	1.3539E-14	0.287102	hyper	sig	chr10_132943016
chr1	2.28E+08	228469926	+	9.623E-16	1.354E-14	0.220186	hyper	sig	chr1_228469926
chr1	1166032	1166032	+	9.626E-16	1.3543E-14	-0.28026	hypo	sig	chr1_1166032
chr20	62740147	62740147	+	9.628E-16	1.3546E-14	-0.29175	hypo	sig	chr20_62740147

chr12	1.03E+08	102950839	+	9.63E-16	1.3549E-14	0.209295	hyper	sig	chr12_102950839
chr7	37916219	37916219	+	9.635E-16	1.3555E-14	0.275232	hyper	sig	chr7_37916219
chr5	1.73E+08	173228876	+	9.644E-16	1.3567E-14	0.234809	hyper	sig	chr5_173228876
chr8	1300746	1300746	+	9.644E-16	1.3568E-14	-0.24021	hypo	sig	chr8_1300746
chr21	44709404	44709404	+	9.646E-16	1.357E-14	0.243791	hyper	sig	chr21_44709404
chr12	8019090	8019090	+	9.648E-16	1.3573E-14	0.228223	hyper	sig	chr12_8019090
chr15	88625105	88625105	+	9.652E-16	1.3578E-14	-0.22601	hypo	sig	chr15_88625105
chr9	1.32E+08	131842057	+	9.659E-16	1.3587E-14	-0.27418	hypo	sig	chr9_131842057
chr6	28988607	28988607	+	9.664E-16	1.3593E-14	0.204524	hyper	sig	chr6_28988607
chr7	665872	665872	+	9.666E-16	1.3595E-14	0.339298	hyper	sig	chr7_665872
chr14	36663219	36663219	+	9.67E-16	1.3602E-14	0.240944	hyper	sig	chr14_36663219
chr17	5098000	5098000	+	9.674E-16	1.3607E-14	0.246234	hyper	sig	chr17_5098000
chr1	2.08E+08	207910790	+	9.676E-16	1.3609E-14	0.263938	hyper	sig	chr1_207910790
chr22	19149396	19149396	+	9.677E-16	1.3611E-14	0.226843	hyper	sig	chr22_19149396
chr1	1.61E+08	161079753	+	9.679E-16	1.3613E-14	0.252387	hyper	sig	chr1_161079753
chr6	96016021	96016021	+	9.694E-16	1.3633E-14	0.330882	hyper	sig	chr6_96016021
chr13	1.12E+08	111534973	+	9.698E-16	1.3638E-14	0.270589	hyper	sig	chr13_111534973
chr7	73424372	73424372	+	9.703E-16	1.3646E-14	0.248698	hyper	sig	chr7_73424372
chr10	1.01E+08	100735881	+	9.706E-16	1.3648E-14	0.339363	hyper	sig	chr10_100735881
chr16	2714256	2714256	+	9.706E-16	1.3648E-14	-0.28977	hypo	sig	chr16_2714256
chr17	80456754	80456754	+	9.713E-16	1.3658E-14	0.227253	hyper	sig	chr17_80456754
chr2	3595120	3595120	+	9.721E-16	1.3669E-14	0.276344	hyper	sig	chr2_3595120
chr5	42953952	42953952	+	9.723E-16	1.3671E-14	0.234325	hyper	sig	chr5_42953952
chr12	53987209	53987209	+	9.723E-16	1.3671E-14	0.252818	hyper	sig	chr12_53987209
chr20	56005167	56005167	+	9.731E-16	1.3683E-14	0.277629	hyper	sig	chr20_56005167
chr5	1.41E+08	141364395	+	9.732E-16	1.3683E-14	0.248982	hyper	sig	chr5_141364395
chr2	3649952	3649952	+	9.746E-16	1.3703E-14	-0.21636	hypo	sig	chr2_3649952
chr1	1.5E+08	149900137	+	9.754E-16	1.3713E-14	0.237718	hyper	sig	chr1_149900137
chr17	44558774	44558774	+	9.763E-16	1.3725E-14	0.26054	hyper	sig	chr17_44558774
chr3	1.41E+08	141093606	+	9.765E-16	1.3728E-14	-0.3314	hypo	sig	chr3_141093606
chr6	32074423	32074423	+	9.769E-16	1.3734E-14	-0.27951	hypo	sig	chr6_32074423
chr5	1.35E+08	135038954	+	9.773E-16	1.3739E-14	0.418299	hyper	sig	chr5_135038954
chr14	36659341	36659341	+	9.774E-16	1.3741E-14	0.270053	hyper	sig	chr14_36659341
chr9	1.24E+08	124012935	+	9.777E-16	1.3744E-14	0.225746	hyper	sig	chr9_124012935
chr12	1.09E+08	108880111	+	9.781E-16	1.3749E-14	-0.28448	hypo	sig	chr12_108880111
chr19	45940474	45940474	+	9.782E-16	1.3751E-14	0.339184	hyper	sig	chr19_45940474
chr3	1.46E+08	146251931	+	9.783E-16	1.3752E-14	0.281907	hyper	sig	chr3_146251931
chr8	71842327	71842327	+	9.79E-16	1.3761E-14	0.326892	hyper	sig	chr8_71842327
chr19	18650792	18650792	+	9.797E-16	1.3771E-14	0.326808	hyper	sig	chr19_18650792
chr12	64390673	64390673	+	9.816E-16	1.3797E-14	0.278472	hyper	sig	chr12_64390673
chr10	70603484	70603484	+	9.817E-16	1.3798E-14	-0.24782	hypo	sig	chr10_70603484
chr14	47675902	47675902	+	9.821E-16	1.3804E-14	0.283333	hyper	sig	chr14_47675902
chr8	1.33E+08	133455626	+	9.831E-16	1.3817E-14	-0.25199	hypo	sig	chr8_133455626
chr10	1.33E+08	132850967	+	9.835E-16	1.3822E-14	-0.24778	hypo	sig	chr10_132850967
chr1	1.77E+08	177171479	+	9.84E-16	1.383E-14	0.293476	hyper	sig	chr1_177171479
chr13	1.13E+08	112985352	+	9.84E-16	1.383E-14	-0.32494	hypo	sig	chr13_112985352
chr7	1647395	1647395	+	9.843E-16	1.3833E-14	-0.26114	hypo	sig	chr7_1647395
chr3	64684839	64684839	+	9.85E-16	1.3842E-14	0.25089	hyper	sig	chr3_64684839
chr5	1.81E+08	181219620	+	9.85E-16	1.3842E-14	0.22716	hyper	sig	chr5_181219620
chr20	46180387	46180387	+	9.856E-16	1.3851E-14	-0.25803	hypo	sig	chr20_46180387
chr19	11208769	11208769	+	9.859E-16	1.3854E-14	0.229148	hyper	sig	chr19_11208769
chr2	1570087	1570087	+	9.869E-16	1.3868E-14	-0.3104	hypo	sig	chr2_1570087
chr19	52536044	52536044	+	9.88E-16	1.3883E-14	0.31381	hyper	sig	chr19_52536044
chr13	25097603	25097603	+	9.88E-16	1.3884E-14	-0.24083	hypo	sig	chr13_25097603
chr10	75405264	75405264	+	9.889E-16	1.3896E-14	-0.25511	hypo	sig	chr10_75405264
chr8	1302168	1302168	+	9.893E-16	1.3901E-14	-0.2272	hypo	sig	chr8_1302168

chr2	25822361	25822361	+	9.901E-16	1.3912E-14	0.249758	hyper	sig	chr2_25822361
chr22	38042199	38042199	+	9.907E-16	1.392E-14	-0.25166	hypo	sig	chr22_38042199
chr17	78324864	78324864	+	9.908E-16	1.3921E-14	0.277837	hyper	sig	chr17_78324864
chr19	58563621	58563621	+	9.91E-16	1.3923E-14	0.253022	hyper	sig	chr19_58563621
chr7	1.56E+08	155922455	+	9.914E-16	1.3928E-14	-0.2494	hypo	sig	chr7_155922455
chr2	38038510	38038510	+	9.917E-16	1.3934E-14	0.273493	hyper	sig	chr2_38038510
chr3	75669845	75669845	+	9.921E-16	1.3938E-14	0.231725	hyper	sig	chr3_75669845
chr22	19524501	19524501	+	9.923E-16	1.3941E-14	0.235408	hyper	sig	chr22_19524501
chr10	1.01E+08	101140731	+	9.934E-16	1.3955E-14	0.207374	hyper	sig	chr10_101140731
chr2	8596274	8596274	+	9.934E-16	1.3955E-14	-0.219	hypo	sig	chr2_8596274
chr19	48481061	48481061	+	9.936E-16	1.3958E-14	0.311622	hyper	sig	chr19_48481061
chr2	1.07E+08	106584429	+	9.94E-16	1.3964E-14	0.315337	hyper	sig	chr2_106584429
chr18	52340042	52340042	+	9.951E-16	1.3978E-14	0.200403	hyper	sig	chr18_52340042
chr10	2936495	2936495	+	9.96E-16	1.3991E-14	-0.20751	hypo	sig	chr10_2936495
chr7	1.2E+08	120272802	+	9.962E-16	1.3994E-14	0.212295	hyper	sig	chr7_120272802
chr10	1.19E+08	118595915	+	9.973E-16	1.4009E-14	0.378159	hyper	sig	chr10_118595915
chr7	1.59E+08	158995455	+	9.976E-16	1.4013E-14	-0.32256	hypo	sig	chr7_158995455
chr8	57143373	57143373	+	9.977E-16	1.4014E-14	0.358938	hyper	sig	chr8_57143373
chr1	6386183	6386183	+	9.981E-16	1.402E-14	-0.27643	hypo	sig	chr1_6386183
chr12	1.32E+08	132206001	+	9.991E-16	1.4033E-14	0.300475	hyper	sig	chr12_132206001
chr16	85206352	85206352	+	9.996E-16	1.4041E-14	0.25405	hyper	sig	chr16_85206352
chr8	1.44E+08	143954181	+	1E-15	1.4048E-14	0.259256	hyper	sig	chr8_143954181
chr2	1.3E+08	129878636	+	1.001E-15	1.4053E-14	0.222279	hyper	sig	chr2_129878636
chr5	1.41E+08	140829392	+	1.001E-15	1.4055E-14	0.221246	hyper	sig	chr5_140829392
chr12	34378588	34378588	+	1.001E-15	1.4055E-14	-0.36436	hypo	sig	chr12_34378588
chr1	1.19E+08	119000941	+	1.002E-15	1.4069E-14	0.287504	hyper	sig	chr1_119000941
chr15	48332836	48332836	+	1.002E-15	1.4071E-14	-0.24406	hypo	sig	chr15_48332836
chr11	1.3E+08	130428959	+	1.003E-15	1.4085E-14	0.239906	hyper	sig	chr11_130428959
chr3	62379346	62379346	+	1.003E-15	1.4089E-14	0.29807	hyper	sig	chr3_62379346
chr15	1.01E+08	100544854	+	1.004E-15	1.4094E-14	0.280152	hyper	sig	chr15_100544854
chr6	50850547	50850547	+	1.004E-15	1.4095E-14	0.23904	hyper	sig	chr6_50850547
chr7	1.01E+08	101362738	+	1.004E-15	1.4097E-14	0.297502	hyper	sig	chr7_101362738
chr16	10182743	10182743	+	1.004E-15	1.4099E-14	0.231481	hyper	sig	chr16_10182743
chr5	11385508	11385508	+	1.005E-15	1.4112E-14	0.207258	hyper	sig	chr5_11385508
chr19	18650994	18650994	+	1.006E-15	1.412E-14	0.22769	hyper	sig	chr19_18650994
chr1	44409024	44409024	+	1.006E-15	1.4125E-14	0.219792	hyper	sig	chr1_44409024
chr19	19211752	19211752	+	1.007E-15	1.4134E-14	0.328745	hyper	sig	chr19_19211752
chr18	22173471	22173471	+	1.007E-15	1.4139E-14	-0.26184	hypo	sig	chr18_22173471
chr5	1.81E+08	180625364	+	1.008E-15	1.4146E-14	-0.30249	hypo	sig	chr5_180625364
chr1	2.28E+08	228416016	+	1.008E-15	1.4147E-14	0.278583	hyper	sig	chr1_228416016
chr10	23174448	23174448	+	1.008E-15	1.4156E-14	0.2481	hyper	sig	chr10_23174448
chr20	25059646	25059646	+	1.008E-15	1.4157E-14	0.252408	hyper	sig	chr20_25059646
chr17	44657171	44657171	+	1.009E-15	1.4166E-14	0.26877	hyper	sig	chr17_44657171
chr10	99232887	99232887	+	1.009E-15	1.4168E-14	0.239873	hyper	sig	chr10_99232887
chr20	61953788	61953788	+	1.01E-15	1.4172E-14	-0.22475	hypo	sig	chr20_61953788
chr20	37904304	37904304	+	1.01E-15	1.4178E-14	-0.29934	hypo	sig	chr20_37904304
chr6	30071209	30071209	+	1.011E-15	1.4189E-14	0.268056	hyper	sig	chr6_30071209
chr12	52116142	52116142	+	1.011E-15	1.4195E-14	-0.21223	hypo	sig	chr12_52116142
chr13	1.13E+08	113022638	+	1.011E-15	1.4197E-14	0.245171	hyper	sig	chr13_113022638
chr3	1.47E+08	147392472	+	1.012E-15	1.4202E-14	0.292867	hyper	sig	chr3_147392472
chr6	1.68E+08	168180937	+	1.012E-15	1.4205E-14	-0.20719	hypo	sig	chr6_168180937
chr16	3099194	3099194	+	1.012E-15	1.4206E-14	0.264537	hyper	sig	chr16_3099194
chr7	97007238	97007238	+	1.012E-15	1.4209E-14	0.362858	hyper	sig	chr7_97007238
chr15	40845962	40845962	+	1.012E-15	1.421E-14	-0.2916	hypo	sig	chr15_40845962
chr16	67163165	67163165	+	1.013E-15	1.4221E-14	0.283431	hyper	sig	chr16_67163165
chr22	49704522	49704522	+	1.014E-15	1.423E-14	0.299546	hyper	sig	chr22_49704522

chr19	5037086	5037086	+	1.014E-15	1.4231E-14	0.211906	hyper	sig	chr19_5037086
chr2	1.7E+08	169737393	+	1.014E-15	1.4234E-14	0.316604	hyper	sig	chr2_169737393
chr7	1.3E+08	130380194	+	1.014E-15	1.4234E-14	0.240895	hyper	sig	chr7_130380194
chr7	64495271	64495271	+	1.014E-15	1.4236E-14	0.314869	hyper	sig	chr7_64495271
chr1	3188480	3188480	+	1.014E-15	1.4236E-14	-0.22442	hypo	sig	chr1_3188480
chr12	1.31E+08	130971084	+	1.015E-15	1.4239E-14	-0.22258	hypo	sig	chr12_130971084
chr11	58964056	58964056	+	1.015E-15	1.424E-14	0.230923	hyper	sig	chr11_58964056
chr6	28259554	28259554	+	1.015E-15	1.4241E-14	0.320787	hyper	sig	chr6_28259554
chr15	99426684	99426684	+	1.015E-15	1.4243E-14	-0.24536	hypo	sig	chr15_99426684
chr7	1.51E+08	151187399	+	1.015E-15	1.4244E-14	-0.28762	hypo	sig	chr7_151187399
chr19	17377716	17377716	+	1.016E-15	1.4252E-14	-0.31314	hypo	sig	chr19_17377716
chr12	1.31E+08	130916360	+	1.016E-15	1.4252E-14	0.200512	hyper	sig	chr12_130916360
chr6	1.5E+08	149965325	+	1.016E-15	1.4252E-14	0.225381	hyper	sig	chr6_149965325
chr4	8343677	8343677	+	1.016E-15	1.4254E-14	0.248993	hyper	sig	chr4_8343677
chr5	12660621	12660621	+	1.016E-15	1.4255E-14	-0.25257	hypo	sig	chr5_12660621
chr1	2.01E+08	201469870	+	1.016E-15	1.4256E-14	0.230731	hyper	sig	chr1_201469870
chr17	74671140	74671140	+	1.016E-15	1.4258E-14	0.284318	hyper	sig	chr17_74671140
chr1	38044550	38044550	+	1.016E-15	1.4259E-14	0.284961	hyper	sig	chr1_38044550
chr21	45553312	45553312	+	1.016E-15	1.426E-14	-0.26227	hypo	sig	chr21_45553312
chr8	52939203	52939203	+	1.017E-15	1.4262E-14	0.317696	hyper	sig	chr8_52939203
chr1	1.64E+08	164320961	+	1.017E-15	1.4266E-14	0.202112	hyper	sig	chr1_164320961
chr13	1.1E+08	110388232	+	1.017E-15	1.4271E-14	0.243103	hyper	sig	chr13_110388232
chr14	91284562	91284562	+	1.017E-15	1.4273E-14	0.269758	hyper	sig	chr14_91284562
chr10	26212122	26212122	+	1.018E-15	1.4282E-14	0.284962	hyper	sig	chr10_26212122
chr8	1.42E+08	141723934	+	1.018E-15	1.4284E-14	0.27079	hyper	sig	chr8_141723934
chr13	1.12E+08	111893238	+	1.019E-15	1.4291E-14	0.292547	hyper	sig	chr13_111893238
chr16	1197374	1197374	+	1.019E-15	1.4292E-14	-0.29011	hypo	sig	chr16_1197374
chr13	87671810	87671810	+	1.019E-15	1.4292E-14	0.286938	hyper	sig	chr13_87671810
chr2	2.22E+08	222295468	+	1.019E-15	1.4301E-14	0.211615	hyper	sig	chr2_222295468
chr8	1.43E+08	142510414	+	1.02E-15	1.4304E-14	0.292728	hyper	sig	chr8_142510414
chr2	20671641	20671641	+	1.021E-15	1.4315E-14	0.256287	hyper	sig	chr2_20671641
chr5	1.41E+08	141419383	+	1.021E-15	1.4322E-14	0.264333	hyper	sig	chr5_141419383
chr1	2.28E+08	228469859	+	1.021E-15	1.4322E-14	0.249245	hyper	sig	chr1_228469859
chr12	55712197	55712197	+	1.021E-15	1.4323E-14	0.247297	hyper	sig	chr12_55712197
chr19	34905282	34905282	+	1.022E-15	1.4332E-14	0.297549	hyper	sig	chr19_34905282
chr8	2035004	2035004	+	1.022E-15	1.4335E-14	-0.21144	hypo	sig	chr8_2035004
chr5	3597646	3597646	+	1.022E-15	1.434E-14	0.218759	hyper	sig	chr5_3597646
chr14	1.04E+08	104159045	+	1.023E-15	1.4351E-14	-0.30031	hypo	sig	chr14_104159045
chr16	88103879	88103879	+	1.024E-15	1.4355E-14	-0.28949	hypo	sig	chr16_88103879
chr18	78797285	78797285	+	1.024E-15	1.4357E-14	-0.25365	hypo	sig	chr18_78797285
chr12	48184461	48184461	+	1.024E-15	1.4359E-14	0.209184	hyper	sig	chr12_48184461
chr1	2243456	2243456	+	1.024E-15	1.4364E-14	0.20836	hyper	sig	chr1_2243456
chr18	24400390	24400390	+	1.024E-15	1.4367E-14	0.286698	hyper	sig	chr18_24400390
chr20	23048628	23048628	+	1.025E-15	1.4368E-14	0.252037	hyper	sig	chr20_23048628
chr12	8035376	8035376	+	1.025E-15	1.4373E-14	0.206553	hyper	sig	chr12_8035376
chr12	3170910	3170910	+	1.025E-15	1.4375E-14	-0.28	hypo	sig	chr12_3170910
chr1	9198619	9198619	+	1.025E-15	1.4375E-14	0.247568	hyper	sig	chr1_9198619
chr1	47439826	47439826	+	1.025E-15	1.4375E-14	0.275223	hyper	sig	chr1_47439826
chr4	41880616	41880616	+	1.026E-15	1.4382E-14	0.226862	hyper	sig	chr4_41880616
chr15	89360271	89360271	+	1.027E-15	1.4404E-14	0.333881	hyper	sig	chr15_89360271
chr14	73712370	73712370	+	1.027E-15	1.4404E-14	0.231577	hyper	sig	chr14_73712370
chr11	62926691	62926691	+	1.028E-15	1.4407E-14	0.215703	hyper	sig	chr11_62926691
chr11	3166786	3166786	+	1.029E-15	1.4422E-14	-0.2377	hypo	sig	chr11_3166786
chr22	50314613	50314613	+	1.029E-15	1.4427E-14	-0.26797	hypo	sig	chr22_50314613
chr11	59555902	59555902	+	1.029E-15	1.443E-14	0.209665	hyper	sig	chr11_59555902
chr20	9509171	9509171	+	1.03E-15	1.4437E-14	0.23035	hyper	sig	chr20_9509171

chr8	1.44E+08	143616759	+	1.03E-15	1.4443E-14	-0.2765	hypo	sig	chr8_143616759
chr11	44316036	44316036	+	1.03E-15	1.4444E-14	0.28781	hyper	sig	chr11_44316036
chr19	23067473	23067473	+	1.032E-15	1.4464E-14	-0.30514	hypo	sig	chr19_23067473
chr19	52345411	52345411	+	1.032E-15	1.4466E-14	-0.24061	hypo	sig	chr19_52345411
chr1	2.06E+08	205568705	+	1.033E-15	1.4476E-14	0.25281	hyper	sig	chr1_205568705
chr14	1.01E+08	101456899	+	1.033E-15	1.4476E-14	0.237398	hyper	sig	chr14_101456899
chr10	48745876	48745876	+	1.033E-15	1.4483E-14	0.24557	hyper	sig	chr10_48745876
chr8	1.43E+08	142777190	+	1.034E-15	1.4489E-14	0.249052	hyper	sig	chr8_142777190
chr2	1.24E+08	124025308	+	1.034E-15	1.4493E-14	0.254176	hyper	sig	chr2_124025308
chr11	44309324	44309324	+	1.034E-15	1.4495E-14	0.2358	hyper	sig	chr11_44309324
chr22	25179554	25179554	+	1.035E-15	1.4505E-14	0.213958	hyper	sig	chr22_25179554
chr10	1.33E+08	133005442	+	1.035E-15	1.4509E-14	-0.21301	hypo	sig	chr10_133005442
chr22	44207043	44207043	+	1.036E-15	1.4515E-14	-0.38736	hypo	sig	chr22_44207043
chr8	1.43E+08	142510426	+	1.036E-15	1.4517E-14	0.278897	hyper	sig	chr8_142510426
chr5	1.41E+08	141400147	+	1.036E-15	1.4518E-14	0.318572	hyper	sig	chr5_141400147
chr16	89817560	89817560	+	1.036E-15	1.4525E-14	-0.26118	hypo	sig	chr16_89817560
chr22	16602673	16602673	+	1.037E-15	1.4532E-14	0.277397	hyper	sig	chr22_16602673
chr2	2.32E+08	232351440	+	1.037E-15	1.4534E-14	0.226272	hyper	sig	chr2_232351440
chr19	30224775	30224775	+	1.037E-15	1.4536E-14	0.237363	hyper	sig	chr19_30224775
chr7	63068202	63068202	+	1.037E-15	1.4536E-14	0.306075	hyper	sig	chr7_63068202
chr15	41894275	41894275	+	1.037E-15	1.4537E-14	-0.20609	hypo	sig	chr15_41894275
chr3	72279681	72279681	+	1.037E-15	1.4538E-14	0.279116	hyper	sig	chr3_72279681
chr2	2.41E+08	240895810	+	1.038E-15	1.4548E-14	-0.29808	hypo	sig	chr2_240895810
chr1	3217309	3217309	+	1.039E-15	1.4553E-14	0.26352	hyper	sig	chr1_3217309
chr8	1099522	1099522	+	1.039E-15	1.4556E-14	-0.24277	hypo	sig	chr8_1099522
chr16	3305113	3305113	+	1.039E-15	1.4558E-14	0.313322	hyper	sig	chr16_3305113
chr3	1.47E+08	147419469	+	1.039E-15	1.4559E-14	0.231015	hyper	sig	chr3_147419469
chr22	17370759	17370759	+	1.039E-15	1.4562E-14	0.241347	hyper	sig	chr22_17370759
chr16	1365425	1365425	+	1.039E-15	1.4563E-14	0.229928	hyper	sig	chr16_1365425
chr6	10417164	10417164	+	1.04E-15	1.4566E-14	0.30338	hyper	sig	chr6_10417164
chr20	21703739	21703739	+	1.04E-15	1.4572E-14	0.298708	hyper	sig	chr20_21703739
chr17	7478256	7478256	+	1.042E-15	1.4604E-14	0.322047	hyper	sig	chr17_7478256
chr4	1405417	1405417	+	1.045E-15	1.4638E-14	0.283708	hyper	sig	chr4_1405417
chr6	10389862	10389862	+	1.045E-15	1.464E-14	0.348946	hyper	sig	chr6_10389862
chr5	109820	109820	+	1.046E-15	1.4653E-14	-0.21314	hypo	sig	chr5_109820
chr4	7299257	7299257	+	1.046E-15	1.4653E-14	-0.27757	hypo	sig	chr4_7299257
chr12	8034112	8034112	+	1.046E-15	1.4658E-14	0.2082	hyper	sig	chr12_8034112
chr7	1.16E+08	116355910	+	1.048E-15	1.468E-14	0.221632	hyper	sig	chr7_116355910
chr9	1.36E+08	135969759	+	1.048E-15	1.4683E-14	-0.31237	hypo	sig	chr9_135969759
chr19	14473364	14473364	+	1.048E-15	1.4687E-14	0.270411	hyper	sig	chr19_14473364
chr17	8072764	8072764	+	1.049E-15	1.4691E-14	0.294526	hyper	sig	chr17_8072764
chr11	64630543	64630543	+	1.049E-15	1.4692E-14	0.283456	hyper	sig	chr11_64630543
chr6	17973430	17973430	+	1.049E-15	1.4695E-14	0.239258	hyper	sig	chr6_17973430
chr6	1.68E+08	168227772	+	1.05E-15	1.4701E-14	-0.2659	hypo	sig	chr6_168227772
chr2	46697969	46697969	+	1.05E-15	1.4706E-14	-0.2964	hypo	sig	chr2_46697969
chr10	26218504	26218504	+	1.05E-15	1.4711E-14	0.309696	hyper	sig	chr10_26218504
chr16	84925258	84925258	+	1.051E-15	1.4722E-14	-0.29572	hypo	sig	chr16_84925258
chr4	1.5E+08	150256868	+	1.051E-15	1.4723E-14	-0.25559	hypo	sig	chr4_150256868
chr13	23945916	23945916	+	1.051E-15	1.4724E-14	0.256128	hyper	sig	chr13_23945916
chr2	1.49E+08	149038025	+	1.052E-15	1.473E-14	-0.2617	hypo	sig	chr2_149038025
chr11	70662042	70662042	+	1.052E-15	1.4731E-14	0.304692	hyper	sig	chr11_70662042
chr16	3018415	3018415	+	1.052E-15	1.4731E-14	0.200533	hyper	sig	chr16_3018415
chr4	52862728	52862728	+	1.052E-15	1.4738E-14	0.326486	hyper	sig	chr4_52862728
chr21	41816720	41816720	+	1.053E-15	1.4742E-14	0.232143	hyper	sig	chr21_41816720
chr19	584365	584365	+	1.053E-15	1.4752E-14	0.266622	hyper	sig	chr19_584365
chr6	10881767	10881767	+	1.054E-15	1.4762E-14	0.25771	hyper	sig	chr6_10881767

chr3	1.93E+08	192515324	+	1.054E-15	1.4765E-14	0.332256	hyper	sig	chr3_192515324
chr22	39374369	39374369	+	1.056E-15	1.478E-14	-0.22896	hypo	sig	chr22_39374369
chr19	38255943	38255943	+	1.056E-15	1.4783E-14	0.251939	hyper	sig	chr19_38255943
chr14	1.04E+08	104159073	+	1.056E-15	1.4786E-14	-0.26179	hypo	sig	chr14_104159073
chr20	56359930	56359930	+	1.058E-15	1.4818E-14	0.251038	hyper	sig	chr20_56359930
chr8	96495333	96495333	+	1.058E-15	1.4819E-14	0.253111	hyper	sig	chr8_96495333
chr20	54476009	54476009	+	1.059E-15	1.4831E-14	0.380575	hyper	sig	chr20_54476009
chr19	2772054	2772054	+	1.059E-15	1.4833E-14	0.272926	hyper	sig	chr19_2772054
chr9	1.09E+08	109167460	+	1.06E-15	1.4834E-14	0.304894	hyper	sig	chr9_109167460
chr16	31042797	31042797	+	1.06E-15	1.4841E-14	0.216514	hyper	sig	chr16_31042797
chr6	1.69E+08	168612621	+	1.061E-15	1.4853E-14	-0.23088	hypo	sig	chr6_168612621
chr22	16601145	16601145	+	1.061E-15	1.4858E-14	0.233385	hyper	sig	chr22_16601145
chr16	51151548	51151548	+	1.062E-15	1.4863E-14	0.22014	hyper	sig	chr16_51151548
chr17	81978749	81978749	+	1.062E-15	1.487E-14	-0.32905	hypo	sig	chr17_81978749
chr7	1.58E+08	157555627	+	1.063E-15	1.4876E-14	-0.3014	hypo	sig	chr7_157555627
chr19	2987084	2987084	+	1.063E-15	1.4878E-14	0.241226	hyper	sig	chr19_2987084
chr19	4566542	4566542	+	1.063E-15	1.4878E-14	-0.3015	hypo	sig	chr19_4566542
chr9	1.29E+08	129254092	+	1.063E-15	1.4878E-14	0.406211	hyper	sig	chr9_129254092
chr1	26046515	26046515	+	1.063E-15	1.4881E-14	0.222927	hyper	sig	chr1_26046515
chr7	1.55E+08	155373899	+	1.063E-15	1.4881E-14	0.221825	hyper	sig	chr7_155373899
chr4	80385570	80385570	+	1.063E-15	1.4883E-14	-0.24667	hypo	sig	chr4_80385570
chr16	89878960	89878960	+	1.065E-15	1.4909E-14	0.344089	hyper	sig	chr16_89878960
chr3	42265550	42265550	+	1.065E-15	1.4909E-14	0.384264	hyper	sig	chr3_42265550
chr3	1.93E+08	192727591	+	1.065E-15	1.4911E-14	0.265414	hyper	sig	chr3_192727591
chr6	44264452	44264452	+	1.065E-15	1.4912E-14	-0.29345	hypo	sig	chr6_44264452
chr12	1.07E+08	106585700	+	1.066E-15	1.4913E-14	0.232238	hyper	sig	chr12_106585700
chr12	7916121	7916121	+	1.066E-15	1.492E-14	0.312568	hyper	sig	chr12_7916121
chr3	13281157	13281157	+	1.066E-15	1.4924E-14	-0.29021	hypo	sig	chr3_13281157
chr1	1.77E+08	177171425	+	1.067E-15	1.4927E-14	0.232985	hyper	sig	chr1_177171425
chr13	1.1E+08	110454908	+	1.067E-15	1.4928E-14	0.219501	hyper	sig	chr13_110454908
chr15	51095549	51095549	+	1.068E-15	1.4939E-14	0.204322	hyper	sig	chr15_51095549
chr12	1.25E+08	124543804	+	1.068E-15	1.494E-14	0.284879	hyper	sig	chr12_124543804
chr6	26017863	26017863	+	1.068E-15	1.4947E-14	0.233866	hyper	sig	chr6_26017863
chr2	2.32E+08	231927106	+	1.069E-15	1.4963E-14	0.246048	hyper	sig	chr2_231927106
chr11	1.3E+08	130315771	+	1.07E-15	1.4966E-14	-0.25642	hypo	sig	chr11_130315771
chr7	1.03E+08	102606014	+	1.07E-15	1.497E-14	-0.3506	hypo	sig	chr7_102606014
chr1	2.46E+08	245541335	+	1.07E-15	1.4975E-14	-0.20834	hypo	sig	chr1_245541335
chr16	1982072	1982072	+	1.07E-15	1.4978E-14	-0.27919	hypo	sig	chr16_1982072
chr22	44172932	44172932	+	1.071E-15	1.4985E-14	-0.20707	hypo	sig	chr22_44172932
chr16	46573811	46573811	+	1.071E-15	1.4986E-14	-0.31299	hypo	sig	chr16_46573811
chr13	1.13E+08	113495926	+	1.072E-15	1.4996E-14	0.312669	hyper	sig	chr13_113495926
chr5	80573251	80573251	+	1.072E-15	1.4996E-14	-0.23417	hypo	sig	chr5_80573251
chr19	45385894	45385894	+	1.072E-15	1.4998E-14	0.297774	hyper	sig	chr19_45385894
chr22	46661478	46661478	+	1.072E-15	1.5003E-14	-0.29744	hypo	sig	chr22_46661478
chr1	16913553	16913553	+	1.073E-15	1.5011E-14	-0.20989	hypo	sig	chr1_16913553
chr10	42898677	42898677	+	1.074E-15	1.5019E-14	0.343016	hyper	sig	chr10_42898677
chr17	79137898	79137898	+	1.074E-15	1.5024E-14	0.256788	hyper	sig	chr17_79137898
chr12	2691623	2691623	+	1.074E-15	1.5028E-14	-0.26728	hypo	sig	chr12_2691623
chr5	1.51E+08	151298601	+	1.074E-15	1.503E-14	-0.24279	hypo	sig	chr5_151298601
chr9	1.37E+08	137130377	+	1.075E-15	1.5036E-14	0.213509	hyper	sig	chr9_137130377
chr13	1.14E+08	114110725	+	1.075E-15	1.5036E-14	-0.32849	hypo	sig	chr13_114110725
chr16	89006576	89006576	+	1.075E-15	1.5036E-14	-0.24619	hypo	sig	chr16_89006576
chr6	77650248	77650248	+	1.075E-15	1.5041E-14	0.264105	hyper	sig	chr6_77650248
chr12	54110521	54110521	+	1.075E-15	1.5042E-14	-0.21105	hypo	sig	chr12_54110521
chr16	775517	775517	+	1.075E-15	1.5042E-14	-0.32295	hypo	sig	chr16_775517
chr13	64925903	64925903	+	1.076E-15	1.5045E-14	-0.33934	hypo	sig	chr13_64925903

chr1	47444253	47444253	+	1.076E-15	1.5045E-14	0.288497	hyper	sig	chr1_47444253
chr17	82179258	82179258	+	1.076E-15	1.5049E-14	0.265797	hyper	sig	chr17_82179258
chr15	90212889	90212889	+	1.076E-15	1.5053E-14	-0.23874	hypo	sig	chr15_90212889
chr6	28259290	28259290	+	1.076E-15	1.5056E-14	0.260437	hyper	sig	chr6_28259290
chr9	1.22E+08	122370321	+	1.077E-15	1.5057E-14	-0.21702	hypo	sig	chr9_122370321
chr13	26051187	26051187	+	1.077E-15	1.5061E-14	0.225441	hyper	sig	chr13_26051187
chr12	53938419	53938419	+	1.077E-15	1.5066E-14	0.343004	hyper	sig	chr12_53938419
chr12	1.25E+08	124549292	+	1.077E-15	1.5069E-14	0.280594	hyper	sig	chr12_124549292
chr2	1.19E+08	118845251	+	1.078E-15	1.5073E-14	0.252941	hyper	sig	chr2_118845251
chr17	28405397	28405397	+	1.078E-15	1.5075E-14	0.263622	hyper	sig	chr17_28405397
chr7	44238698	44238698	+	1.078E-15	1.5078E-14	-0.28766	hypo	sig	chr7_44238698
chr16	51153720	51153720	+	1.079E-15	1.5086E-14	0.317997	hyper	sig	chr16_51153720
chr7	1.58E+08	157706629	+	1.079E-15	1.5086E-14	-0.2671	hypo	sig	chr7_157706629
chr19	1908145	1908145	+	1.079E-15	1.5086E-14	-0.2554	hypo	sig	chr19_1908145
chr1	2357012	2357012	+	1.079E-15	1.5088E-14	-0.24805	hypo	sig	chr1_2357012
chr15	95326729	95326729	+	1.079E-15	1.5091E-14	0.262291	hyper	sig	chr15_95326729
chr22	36294970	36294970	+	1.08E-15	1.5104E-14	0.212376	hyper	sig	chr22_36294970
chr1	1.1E+08	110151135	+	1.081E-15	1.5116E-14	0.255508	hyper	sig	chr1_110151135
chr16	88375758	88375758	+	1.082E-15	1.5126E-14	-0.27102	hypo	sig	chr16_88375758
chr2	1.3E+08	130213422	+	1.082E-15	1.5126E-14	0.230932	hyper	sig	chr2_130213422
chr12	39145697	39145697	+	1.083E-15	1.514E-14	0.216276	hyper	sig	chr12_39145697
chr8	20312385	20312385	+	1.083E-15	1.5145E-14	-0.24674	hypo	sig	chr8_20312385
chr2	1.92E+08	192195603	+	1.084E-15	1.5149E-14	0.253152	hyper	sig	chr2_192195603
chr3	16174587	16174587	+	1.084E-15	1.5157E-14	0.25983	hyper	sig	chr3_16174587
chr1	27350581	27350581	+	1.085E-15	1.5164E-14	0.302344	hyper	sig	chr1_27350581
chr2	23524163	23524163	+	1.086E-15	1.5178E-14	0.226722	hyper	sig	chr2_23524163
chr9	1.37E+08	136670699	+	1.086E-15	1.5179E-14	-0.2472	hypo	sig	chr9_136670699
chr9	1.31E+08	131273313	+	1.086E-15	1.5184E-14	-0.32355	hypo	sig	chr9_131273313
chr11	45696905	45696905	+	1.087E-15	1.5192E-14	-0.28033	hypo	sig	chr11_45696905
chr19	53058328	53058328	+	1.087E-15	1.5194E-14	0.311143	hyper	sig	chr19_53058328
chr4	4858377	4858377	+	1.089E-15	1.5225E-14	0.288954	hyper	sig	chr4_4858377
chr6	71419825	71419825	+	1.089E-15	1.5227E-14	0.317415	hyper	sig	chr6_71419825
chr6	41593651	41593651	+	1.09E-15	1.5231E-14	0.226201	hyper	sig	chr6_41593651
chr6	1.27E+08	127118429	+	1.09E-15	1.5232E-14	0.27001	hyper	sig	chr6_127118429
chr10	23696108	23696108	+	1.09E-15	1.5236E-14	0.297827	hyper	sig	chr10_23696108
chr1	6968201	6968201	+	1.09E-15	1.5241E-14	-0.24599	hypo	sig	chr1_6968201
chr9	1.22E+08	121741324	+	1.092E-15	1.5257E-14	0.226789	hyper	sig	chr9_121741324
chr17	79925880	79925880	+	1.092E-15	1.5259E-14	-0.29785	hypo	sig	chr17_79925880
chr16	29877349	29877349	+	1.092E-15	1.5262E-14	0.226558	hyper	sig	chr16_29877349
chr5	2757096	2757096	+	1.092E-15	1.5262E-14	0.237997	hyper	sig	chr5_2757096
chr10	25935154	25935154	+	1.092E-15	1.5263E-14	0.257406	hyper	sig	chr10_25935154
chr1	17149369	17149369	+	1.093E-15	1.5273E-14	0.328871	hyper	sig	chr1_17149369
chr21	42396088	42396088	+	1.094E-15	1.5294E-14	-0.2786	hypo	sig	chr21_42396088
chr9	1.36E+08	135982211	+	1.095E-15	1.53E-14	-0.27723	hypo	sig	chr9_135982211
chr16	87603077	87603077	+	1.095E-15	1.5301E-14	0.234821	hyper	sig	chr16_87603077
chr17	82032345	82032345	+	1.096E-15	1.5311E-14	0.218807	hyper	sig	chr17_82032345
chr2	2.28E+08	228182090	+	1.096E-15	1.532E-14	0.287093	hyper	sig	chr2_228182090
chr3	62367882	62367882	+	1.097E-15	1.5327E-14	0.289728	hyper	sig	chr3_62367882
chr3	62374204	62374204	+	1.098E-15	1.534E-14	0.201235	hyper	sig	chr3_62374204
chr5	1.46E+08	146334319	+	1.098E-15	1.5341E-14	0.263981	hyper	sig	chr5_146334319
chr8	1811649	1811649	+	1.098E-15	1.5341E-14	-0.278	hypo	sig	chr8_1811649
chr12	75207628	75207628	+	1.099E-15	1.5351E-14	0.321366	hyper	sig	chr12_75207628
chr17	42745290	42745290	+	1.1E-15	1.5367E-14	0.226479	hyper	sig	chr17_42745290
chr7	93891128	93891128	+	1.1E-15	1.537E-14	0.285156	hyper	sig	chr7_93891128
chr16	54939873	54939873	+	1.1E-15	1.537E-14	0.267532	hyper	sig	chr16_54939873
chr1	18109086	18109086	+	1.101E-15	1.5378E-14	0.277083	hyper	sig	chr1_18109086

chr7	1200321	1200321	+	1.101E-15	1.5384E-14	0.25399	hyper	sig	chr7_1200321
chr21	36694671	36694671	+	1.102E-15	1.539E-14	0.303138	hyper	sig	chr21_36694671
chr3	27730423	27730423	+	1.102E-15	1.539E-14	0.271822	hyper	sig	chr3_27730423
chr13	36214654	36214654	+	1.102E-15	1.5393E-14	-0.20525	hypo	sig	chr13_36214654
chr8	11350327	11350327	+	1.102E-15	1.5397E-14	-0.3245	hypo	sig	chr8_11350327
chr19	39892177	39892177	+	1.103E-15	1.5409E-14	0.226702	hyper	sig	chr19_39892177
chr12	57851284	57851284	+	1.104E-15	1.5418E-14	0.30843	hyper	sig	chr12_57851284
chr19	53521484	53521484	+	1.104E-15	1.5422E-14	0.297038	hyper	sig	chr19_53521484
chr11	1392021	1392021	+	1.104E-15	1.5428E-14	-0.23688	hypo	sig	chr11_1392021
chr5	88659945	88659945	+	1.105E-15	1.543E-14	0.252879	hyper	sig	chr5_88659945
chr1	38207067	38207067	+	1.105E-15	1.5431E-14	-0.28382	hypo	sig	chr1_38207067
chr16	66468359	66468359	+	1.107E-15	1.5461E-14	-0.28681	hypo	sig	chr16_66468359
chr2	1.05E+08	105144424	+	1.107E-15	1.5461E-14	0.232959	hyper	sig	chr2_105144424
chr5	1.41E+08	141121821	+	1.107E-15	1.5467E-14	0.22945	hyper	sig	chr5_141121821
chr12	1.11E+08	110846377	+	1.109E-15	1.5486E-14	-0.27546	hypo	sig	chr12_110846377
chr2	38536793	38536793	+	1.109E-15	1.5487E-14	-0.24229	hypo	sig	chr2_38536793
chr16	2125492	2125492	+	1.111E-15	1.5511E-14	0.285716	hyper	sig	chr16_2125492
chr6	1.67E+08	166867385	+	1.111E-15	1.5517E-14	0.248458	hyper	sig	chr6_166867385
chr2	2.19E+08	218859050	+	1.111E-15	1.5521E-14	0.27094	hyper	sig	chr2_218859050
chr16	54290227	54290227	+	1.112E-15	1.5529E-14	0.280673	hyper	sig	chr16_54290227
chr6	30690237	30690237	+	1.112E-15	1.5533E-14	0.231736	hyper	sig	chr6_30690237
chr7	73831276	73831276	+	1.114E-15	1.5562E-14	-0.227	hypo	sig	chr7_73831276
chr10	47311701	47311701	+	1.116E-15	1.5583E-14	-0.22755	hypo	sig	chr10_47311701
chr11	4212278	4212278	+	1.116E-15	1.5583E-14	0.292577	hyper	sig	chr11_4212278
chr7	5238655	5238655	+	1.116E-15	1.559E-14	-0.24752	hypo	sig	chr7_5238655
chr2	2.35E+08	235027969	+	1.118E-15	1.5611E-14	-0.25477	hypo	sig	chr2_235027969
chr20	63537680	63537680	+	1.118E-15	1.5611E-14	-0.21505	hypo	sig	chr20_63537680
chr1	1.83E+08	183417589	+	1.119E-15	1.5629E-14	0.232086	hyper	sig	chr1_183417589
chr13	1.12E+08	111893257	+	1.12E-15	1.5632E-14	0.340292	hyper	sig	chr13_111893257
chr10	510916	510916	+	1.121E-15	1.5644E-14	0.301414	hyper	sig	chr10_510916
chr3	1.5E+08	149657292	+	1.121E-15	1.5648E-14	0.214459	hyper	sig	chr3_149657292
chr11	31814069	31814069	+	1.122E-15	1.5662E-14	0.273888	hyper	sig	chr11_31814069
chr6	1.37E+08	137497190	+	1.122E-15	1.5668E-14	0.237627	hyper	sig	chr6_137497190
chr7	1.22E+08	122299743	+	1.123E-15	1.5674E-14	0.228927	hyper	sig	chr7_122299743
chr21	36977769	36977769	+	1.123E-15	1.5675E-14	-0.23122	hypo	sig	chr21_36977769
chr1	2857781	2857781	+	1.124E-15	1.5692E-14	-0.28728	hypo	sig	chr1_2857781
chr12	1.2E+08	120101049	+	1.125E-15	1.57E-14	0.315348	hyper	sig	chr12_120101049
chr7	20776648	20776648	+	1.125E-15	1.57E-14	0.255448	hyper	sig	chr7_20776648
chr7	1.29E+08	128783212	+	1.127E-15	1.5725E-14	0.272856	hyper	sig	chr7_128783212
chr22	30416653	30416653	+	1.127E-15	1.573E-14	-0.24088	hypo	sig	chr22_30416653
chr19	48297233	48297233	+	1.127E-15	1.5733E-14	-0.28018	hypo	sig	chr19_48297233
chr6	75202325	75202325	+	1.127E-15	1.5733E-14	0.231689	hyper	sig	chr6_75202325
chr13	1.12E+08	111900405	+	1.127E-15	1.5734E-14	-0.3511	hypo	sig	chr13_111900405
chr9	1.36E+08	136133857	+	1.127E-15	1.5736E-14	0.221326	hyper	sig	chr9_136133857
chr7	1.54E+08	154054313	+	1.128E-15	1.5747E-14	-0.38763	hypo	sig	chr7_154054313
chr14	60510653	60510653	+	1.129E-15	1.5753E-14	0.222164	hyper	sig	chr14_60510653
chr7	4862121	4862121	+	1.129E-15	1.5753E-14	0.312808	hyper	sig	chr7_4862121
chr1	44261280	44261280	+	1.13E-15	1.5766E-14	-0.24706	hypo	sig	chr1_44261280
chr16	1088648	1088648	+	1.13E-15	1.5767E-14	-0.30182	hypo	sig	chr16_1088648
chr19	2388552	2388552	+	1.13E-15	1.5767E-14	-0.2912	hypo	sig	chr19_2388552
chr15	41917994	41917994	+	1.13E-15	1.5773E-14	-0.27486	hypo	sig	chr15_41917994
chr12	34332663	34332663	+	1.13E-15	1.5774E-14	-0.30015	hypo	sig	chr12_34332663
chr22	44181110	44181110	+	1.131E-15	1.5781E-14	-0.28296	hypo	sig	chr22_44181110
chr19	35302596	35302596	+	1.132E-15	1.5793E-14	-0.23512	hypo	sig	chr19_35302596
chr3	1.72E+08	172447802	+	1.132E-15	1.5797E-14	0.360688	hyper	sig	chr3_172447802
chr22	50039923	50039923	+	1.133E-15	1.5803E-14	-0.20081	hypo	sig	chr22_50039923

chr4	4226512	4226512	+	1.133E-15	1.5803E-14	0.228201	hyper	sig	chr4_4226512
chr17	1977850	1977850	+	1.134E-15	1.5825E-14	0.213642	hyper	sig	chr17_1977850
chr7	27206146	27206146	+	1.134E-15	1.5825E-14	-0.22943	hypo	sig	chr7_27206146
chr7	23247904	23247904	+	1.134E-15	1.5825E-14	0.244776	hyper	sig	chr7_23247904
chr19	49613444	49613444	+	1.134E-15	1.5826E-14	-0.22775	hypo	sig	chr19_49613444
chr4	7591785	7591785	+	1.135E-15	1.5831E-14	-0.2215	hypo	sig	chr4_7591785
chr15	88638479	88638479	+	1.135E-15	1.584E-14	-0.21199	hypo	sig	chr15_88638479
chr4	574478	574478	+	1.136E-15	1.5842E-14	0.233066	hyper	sig	chr4_574478
chr8	48870619	48870619	+	1.136E-15	1.5849E-14	0.39761	hyper	sig	chr8_48870619
chr20	52106098	52106098	+	1.136E-15	1.5852E-14	0.276634	hyper	sig	chr20_52106098
chr16	87179127	87179127	+	1.137E-15	1.5863E-14	-0.23416	hypo	sig	chr16_87179127
chr7	1.51E+08	150989699	+	1.139E-15	1.589E-14	0.307359	hyper	sig	chr7_150989699
chr7	45575694	45575694	+	1.14E-15	1.5905E-14	0.290608	hyper	sig	chr7_45575694
chr1	1.82E+08	182056145	+	1.141E-15	1.591E-14	-0.28945	hypo	sig	chr1_182056145
chr12	62191778	62191778	+	1.141E-15	1.5912E-14	0.233003	hyper	sig	chr12_62191778
chr3	1.57E+08	157120453	+	1.142E-15	1.5925E-14	-0.2692	hypo	sig	chr3_157120453
chr19	53058720	53058720	+	1.143E-15	1.5943E-14	0.280105	hyper	sig	chr19_53058720
chr16	66948772	66948772	+	1.143E-15	1.5947E-14	0.255033	hyper	sig	chr16_66948772
chr11	1.29E+08	128886611	+	1.144E-15	1.5954E-14	-0.22001	hypo	sig	chr11_128886611
chr15	80933163	80933163	+	1.144E-15	1.596E-14	0.264426	hyper	sig	chr15_80933163
chr7	97022712	97022712	+	1.145E-15	1.5963E-14	0.309227	hyper	sig	chr7_97022712
chr4	1.17E+08	116925932	+	1.145E-15	1.5971E-14	0.2339	hyper	sig	chr4_116925932
chr13	24638410	24638410	+	1.146E-15	1.5978E-14	0.223612	hyper	sig	chr13_24638410
chr7	1.55E+08	155373467	+	1.146E-15	1.5983E-14	0.239798	hyper	sig	chr7_155373467
chr3	21406201	21406201	+	1.147E-15	1.5989E-14	-0.25034	hypo	sig	chr3_21406201
chr11	67573370	67573370	+	1.147E-15	1.5993E-14	-0.3333	hypo	sig	chr11_67573370
chr16	1063891	1063891	+	1.148E-15	1.6002E-14	-0.2792	hypo	sig	chr16_1063891
chr19	2278848	2278848	+	1.148E-15	1.6004E-14	-0.24897	hypo	sig	chr19_2278848
chr11	1.25E+08	124920919	+	1.149E-15	1.6025E-14	0.222145	hyper	sig	chr11_124920919
chr8	1.44E+08	144336305	+	1.149E-15	1.6025E-14	0.282478	hyper	sig	chr8_144336305
chr2	2.07E+08	206641943	+	1.149E-15	1.6027E-14	0.315774	hyper	sig	chr2_206641943
chr17	78890633	78890633	+	1.15E-15	1.6034E-14	-0.25994	hypo	sig	chr17_78890633
chr1	2E+08	200042173	+	1.152E-15	1.6064E-14	0.242443	hyper	sig	chr1_200042173
chr5	74876528	74876528	+	1.153E-15	1.6078E-14	-0.20195	hypo	sig	chr5_74876528
chr11	61742635	61742635	+	1.154E-15	1.6088E-14	-0.304	hypo	sig	chr11_61742635
chr16	66948706	66948706	+	1.154E-15	1.6088E-14	0.25267	hyper	sig	chr16_66948706
chr2	1842160	1842160	+	1.154E-15	1.6089E-14	-0.35967	hypo	sig	chr2_1842160
chr3	1.97E+08	196660678	+	1.155E-15	1.6101E-14	-0.29675	hypo	sig	chr3_196660678
chr7	1.2E+08	120272787	+	1.156E-15	1.6114E-14	0.204832	hyper	sig	chr7_120272787
chr2	23663210	23663210	+	1.158E-15	1.6149E-14	0.327417	hyper	sig	chr2_23663210
chr2	2.22E+08	222426283	+	1.159E-15	1.615E-14	-0.26981	hypo	sig	chr2_222426283
chr12	6312501	6312501	+	1.159E-15	1.6154E-14	-0.33851	hypo	sig	chr12_6312501
chr5	1.4E+08	140362698	+	1.159E-15	1.6155E-14	-0.22716	hypo	sig	chr5_140362698
chr7	79454648	79454648	+	1.159E-15	1.616E-14	0.268356	hyper	sig	chr7_79454648
chr10	25934016	25934016	+	1.16E-15	1.6175E-14	0.242985	hyper	sig	chr10_25934016
chr16	75000772	75000772	+	1.161E-15	1.6177E-14	0.291166	hyper	sig	chr16_75000772
chr2	2.22E+08	222298960	+	1.161E-15	1.618E-14	0.211575	hyper	sig	chr2_222298960
chr11	71566381	71566381	+	1.161E-15	1.618E-14	-0.29648	hypo	sig	chr11_71566381
chr19	3507929	3507929	+	1.161E-15	1.6188E-14	0.256214	hyper	sig	chr19_3507929
chr20	46201140	46201140	+	1.161E-15	1.6188E-14	0.28083	hyper	sig	chr20_46201140
chr19	55119013	55119013	+	1.162E-15	1.619E-14	0.244077	hyper	sig	chr19_55119013
chr12	1.27E+08	127063502	+	1.162E-15	1.6196E-14	0.246565	hyper	sig	chr12_127063502
chr5	932785	932785	+	1.163E-15	1.6208E-14	-0.23521	hypo	sig	chr5_932785
chr20	25059083	25059083	+	1.164E-15	1.6218E-14	0.215628	hyper	sig	chr20_25059083
chr10	3415313	3415313	+	1.164E-15	1.6223E-14	-0.23179	hypo	sig	chr10_3415313
chr8	52941575	52941575	+	1.166E-15	1.6245E-14	0.326597	hyper	sig	chr8_52941575

chr7	1041157	1041157	+	1.166E-15	1.6246E-14	0.31097	hyper	sig	chr7_1041157
chr4	1.54E+08	153792226	+	1.166E-15	1.6255E-14	0.235977	hyper	sig	chr4_153792226
chr16	57619790	57619790	+	1.167E-15	1.6259E-14	-0.22532	hypo	sig	chr16_57619790
chr4	1.25E+08	125317699	+	1.167E-15	1.6264E-14	0.217256	hyper	sig	chr4_125317699
chr7	3273637	3273637	+	1.167E-15	1.6264E-14	-0.24937	hypo	sig	chr7_3273637
chr11	2869347	2869347	+	1.168E-15	1.627E-14	0.246664	hyper	sig	chr11_2869347
chr5	172757	172757	+	1.168E-15	1.627E-14	-0.33679	hypo	sig	chr5_172757
chr2	66445765	66445765	+	1.168E-15	1.6271E-14	0.282004	hyper	sig	chr2_66445765
chr20	62774222	62774222	+	1.169E-15	1.6282E-14	-0.2848	hypo	sig	chr20_62774222
chr17	21290404	21290404	+	1.169E-15	1.6282E-14	0.213616	hyper	sig	chr17_21290404
chr5	1.41E+08	141201988	+	1.169E-15	1.6283E-14	0.224141	hyper	sig	chr5_141201988
chr20	33003925	33003925	+	1.169E-15	1.6285E-14	-0.33328	hypo	sig	chr20_33003925
chr3	14305783	14305783	+	1.169E-15	1.6286E-14	-0.22753	hypo	sig	chr3_14305783
chr18	12307344	12307344	+	1.169E-15	1.6286E-14	0.20649	hyper	sig	chr18_12307344
chr5	1.75E+08	174732583	+	1.169E-15	1.6287E-14	0.28588	hyper	sig	chr5_174732583
chr10	1.33E+08	133085021	+	1.17E-15	1.6297E-14	-0.23782	hypo	sig	chr10_133085021
chr6	49713530	49713530	+	1.17E-15	1.6305E-14	0.232961	hyper	sig	chr6_49713530
chr2	1742422	1742422	+	1.172E-15	1.6322E-14	0.237055	hyper	sig	chr2_1742422
chr17	76027544	76027544	+	1.172E-15	1.6325E-14	-0.23487	hypo	sig	chr17_76027544
chr1	2.34E+08	233615445	+	1.172E-15	1.6333E-14	-0.245	hypo	sig	chr1_233615445
chr6	1.59E+08	159168974	+	1.173E-15	1.6334E-14	0.304084	hyper	sig	chr6_159168974
chr18	14748231	14748231	+	1.173E-15	1.6339E-14	0.258872	hyper	sig	chr18_14748231
chr19	12648331	12648331	+	1.173E-15	1.6339E-14	0.269498	hyper	sig	chr19_12648331
chr1	2.17E+08	217138169	+	1.174E-15	1.6349E-14	0.223876	hyper	sig	chr1_217138169
chr19	35768242	35768242	+	1.174E-15	1.6353E-14	0.242954	hyper	sig	chr19_35768242
chr17	246601	246601	+	1.175E-15	1.6366E-14	-0.25657	hypo	sig	chr17_246601
chr5	73230724	73230724	+	1.176E-15	1.6382E-14	0.303801	hyper	sig	chr5_73230724
chr5	14147573	14147573	+	1.176E-15	1.6383E-14	0.257491	hyper	sig	chr5_14147573
chr5	1.46E+08	146339009	+	1.177E-15	1.6388E-14	0.255221	hyper	sig	chr5_146339009
chr7	76285619	76285619	+	1.177E-15	1.6388E-14	-0.24449	hypo	sig	chr7_76285619
chr1	12161367	12161367	+	1.177E-15	1.6389E-14	-0.29607	hypo	sig	chr1_12161367
chr6	43170390	43170390	+	1.177E-15	1.6391E-14	0.255895	hyper	sig	chr6_43170390
chr18	37567221	37567221	+	1.177E-15	1.6393E-14	0.213512	hyper	sig	chr18_37567221
chr10	3127108	3127108	+	1.178E-15	1.6403E-14	0.252121	hyper	sig	chr10_3127108
chr1	90717264	90717264	+	1.178E-15	1.6406E-14	0.251588	hyper	sig	chr1_90717264
chr17	8347264	8347264	+	1.178E-15	1.6409E-14	0.26987	hyper	sig	chr17_8347264
chr22	45890070	45890070	+	1.178E-15	1.6409E-14	0.308615	hyper	sig	chr22_45890070
chr1	90719660	90719660	+	1.178E-15	1.6411E-14	0.307416	hyper	sig	chr1_90719660
chr8	57214403	57214403	+	1.179E-15	1.6414E-14	-0.2628	hypo	sig	chr8_57214403
chr1	86156696	86156696	+	1.179E-15	1.6422E-14	0.21857	hyper	sig	chr1_86156696
chr5	1.41E+08	141392945	+	1.181E-15	1.6439E-14	0.226633	hyper	sig	chr5_141392945
chr3	75668112	75668112	+	1.181E-15	1.6442E-14	0.321746	hyper	sig	chr3_75668112
chr20	24471252	24471252	+	1.181E-15	1.6443E-14	0.226874	hyper	sig	chr20_24471252
chr1	6424011	6424011	+	1.181E-15	1.6444E-14	0.282184	hyper	sig	chr1_6424011
chr4	1.68E+08	167897413	+	1.182E-15	1.6456E-14	-0.24716	hypo	sig	chr4_167897413
chr2	1E+08	100397636	+	1.182E-15	1.6459E-14	-0.33347	hypo	sig	chr2_100397636
chr16	51150958	51150958	+	1.182E-15	1.6462E-14	0.330816	hyper	sig	chr16_51150958
chr7	1040987	1040987	+	1.183E-15	1.6472E-14	0.292113	hyper	sig	chr7_1040987
chr16	84832658	84832658	+	1.184E-15	1.649E-14	0.274814	hyper	sig	chr16_84832658
chr13	1.12E+08	112053541	+	1.184E-15	1.649E-14	0.3214	hyper	sig	chr13_112053541
chr2	2.13E+08	212536607	+	1.185E-15	1.6493E-14	0.30288	hyper	sig	chr2_212536607
chr7	64495489	64495489	+	1.186E-15	1.6505E-14	0.252743	hyper	sig	chr7_64495489
chr13	27973471	27973471	+	1.186E-15	1.6513E-14	0.24185	hyper	sig	chr13_27973471
chr4	7250893	7250893	+	1.187E-15	1.6523E-14	0.297599	hyper	sig	chr4_7250893
chr16	89620477	89620477	+	1.189E-15	1.6553E-14	0.225342	hyper	sig	chr16_89620477
chr11	1.11E+08	111298721	+	1.189E-15	1.6555E-14	0.213442	hyper	sig	chr11_111298721

chr17	80002826	80002826	+	1.19E-15	1.6558E-14	-0.28715	hypo	sig	chr17_80002826
chr12	1.27E+08	126727939	+	1.19E-15	1.657E-14	0.258846	hyper	sig	chr12_126727939
chr3	32819126	32819126	+	1.191E-15	1.6572E-14	0.354497	hyper	sig	chr3_32819126
chr1	16226952	16226952	+	1.191E-15	1.6577E-14	0.275459	hyper	sig	chr1_16226952
chr14	1.01E+08	101039909	+	1.192E-15	1.6584E-14	-0.2692	hypo	sig	chr14_101039909
chr6	1607266	1607266	+	1.192E-15	1.6589E-14	0.313796	hyper	sig	chr6_1607266
chr2	3060066	3060066	+	1.192E-15	1.6591E-14	-0.28007	hypo	sig	chr2_3060066
chr5	1295600	1295600	+	1.192E-15	1.6594E-14	0.307559	hyper	sig	chr5_1295600
chr7	42228000	42228000	+	1.193E-15	1.6604E-14	0.250744	hyper	sig	chr7_42228000
chr8	11015655	11015655	+	1.194E-15	1.6611E-14	0.210634	hyper	sig	chr8_11015655
chr1	2.17E+08	217134403	+	1.194E-15	1.6612E-14	0.251692	hyper	sig	chr1_217134403
chr17	28384681	28384681	+	1.194E-15	1.6622E-14	-0.22821	hypo	sig	chr17_28384681
chr5	1.79E+08	179060873	+	1.196E-15	1.6639E-14	0.316471	hyper	sig	chr5_179060873
chr2	1816339	1816339	+	1.196E-15	1.6644E-14	0.32504	hyper	sig	chr2_1816339
chr16	86567571	86567571	+	1.196E-15	1.6645E-14	0.20967	hyper	sig	chr16_86567571
chr19	18008026	18008026	+	1.197E-15	1.6656E-14	0.209987	hyper	sig	chr19_18008026
chr1	17149555	17149555	+	1.198E-15	1.6666E-14	0.286513	hyper	sig	chr1_17149555
chr9	1.37E+08	136821280	+	1.198E-15	1.6668E-14	0.240914	hyper	sig	chr9_136821280
chr11	50260812	50260812	+	1.201E-15	1.6703E-14	-0.21041	hypo	sig	chr11_50260812
chr22	44501404	44501404	+	1.202E-15	1.6727E-14	-0.24986	hypo	sig	chr22_44501404
chr15	27862312	27862312	+	1.205E-15	1.6767E-14	-0.29241	hypo	sig	chr15_27862312
chr2	2.4E+08	240324663	+	1.205E-15	1.6769E-14	-0.29569	hypo	sig	chr2_240324663
chr19	19629011	19629011	+	1.206E-15	1.6773E-14	-0.21389	hypo	sig	chr19_19629011
chr5	2005843	2005843	+	1.206E-15	1.6775E-14	0.297936	hyper	sig	chr5_2005843
chr11	726323	726323	+	1.206E-15	1.6782E-14	0.201401	hyper	sig	chr11_726323
chr1	2.28E+08	228471450	+	1.207E-15	1.6794E-14	0.304243	hyper	sig	chr1_228471450
chr12	1.32E+08	132404141	+	1.208E-15	1.6798E-14	-0.27943	hypo	sig	chr12_132404141
chr9	1.34E+08	133979339	+	1.208E-15	1.6802E-14	0.348825	hyper	sig	chr9_133979339
chr16	84827335	84827335	+	1.208E-15	1.6802E-14	0.257768	hyper	sig	chr16_84827335
chr4	55793769	55793769	+	1.209E-15	1.6816E-14	0.299891	hyper	sig	chr4_55793769
chr8	1931507	1931507	+	1.209E-15	1.6819E-14	-0.24673	hypo	sig	chr8_1931507
chr3	86989822	86989822	+	1.21E-15	1.6826E-14	0.231343	hyper	sig	chr3_86989822
chr13	27918822	27918822	+	1.21E-15	1.6827E-14	0.255703	hyper	sig	chr13_27918822
chr4	1.11E+08	110618278	+	1.21E-15	1.6831E-14	0.200469	hyper	sig	chr4_110618278
chr11	69001399	69001399	+	1.211E-15	1.684E-14	0.333742	hyper	sig	chr11_69001399
chr6	10881692	10881692	+	1.211E-15	1.6846E-14	0.226335	hyper	sig	chr6_10881692
chr12	49961508	49961508	+	1.212E-15	1.685E-14	0.27821	hyper	sig	chr12_49961508
chr3	1.2E+08	119703461	+	1.212E-15	1.6858E-14	0.265964	hyper	sig	chr3_119703461
chr5	1.79E+08	179354541	+	1.215E-15	1.6892E-14	-0.24486	hypo	sig	chr5_179354541
chr11	6571338	6571338	+	1.215E-15	1.6894E-14	0.309556	hyper	sig	chr11_6571338
chr22	45309067	45309067	+	1.215E-15	1.6894E-14	-0.27085	hypo	sig	chr22_45309067
chr2	5932856	5932856	+	1.216E-15	1.6906E-14	0.246147	hyper	sig	chr2_5932856
chr9	841552	841552	+	1.216E-15	1.6908E-14	0.236062	hyper	sig	chr9_841552
chr2	29921242	29921242	+	1.217E-15	1.6924E-14	0.324949	hyper	sig	chr2_29921242
chr3	1.28E+08	128493415	+	1.217E-15	1.6924E-14	0.330711	hyper	sig	chr3_128493415
chr3	1.28E+08	128485224	+	1.217E-15	1.6925E-14	0.296239	hyper	sig	chr3_128485224
chr3	42265001	42265001	+	1.217E-15	1.6925E-14	0.295182	hyper	sig	chr3_42265001
chr15	30922298	30922298	+	1.218E-15	1.6931E-14	0.213915	hyper	sig	chr15_30922298
chr10	1.32E+08	132229858	+	1.218E-15	1.6935E-14	-0.23523	hypo	sig	chr10_132229858
chr7	1.58E+08	158203956	+	1.218E-15	1.6935E-14	0.305547	hyper	sig	chr7_158203956
chr5	1.42E+08	142013896	+	1.219E-15	1.6943E-14	-0.32344	hypo	sig	chr5_142013896
chr12	1.23E+08	123042566	+	1.22E-15	1.6967E-14	0.272345	hyper	sig	chr12_123042566
chr15	37095378	37095378	+	1.222E-15	1.6987E-14	0.341302	hyper	sig	chr15_37095378
chr19	34772585	34772585	+	1.222E-15	1.6992E-14	0.22444	hyper	sig	chr19_34772585
chr1	2.36E+08	235642456	+	1.222E-15	1.6993E-14	-0.24336	hypo	sig	chr1_235642456
chr2	2.22E+08	222312308	+	1.223E-15	1.6997E-14	0.249742	hyper	sig	chr2_222312308

chr19	1526510	1526510	+	1.223E-15	1.6998E-14	-0.26189	hypo	sig	chr19_1526510
chr4	7250887	7250887	+	1.223E-15	1.6999E-14	0.285961	hyper	sig	chr4_7250887
chr10	8051301	8051301	+	1.224E-15	1.7015E-14	0.214032	hyper	sig	chr10_8051301
chr12	53960854	53960854	+	1.224E-15	1.7017E-14	0.23236	hyper	sig	chr12_53960854
chr19	50908606	50908606	+	1.225E-15	1.7029E-14	0.237254	hyper	sig	chr19_50908606
chr11	67435337	67435337	+	1.226E-15	1.7035E-14	-0.32937	hypo	sig	chr11_67435337
chr11	92866906	92866906	+	1.226E-15	1.7036E-14	0.225911	hyper	sig	chr11_92866906
chr2	2.33E+08	232551677	+	1.226E-15	1.7036E-14	-0.21549	hypo	sig	chr2_232551677
chr17	42849832	42849832	+	1.226E-15	1.7046E-14	-0.2377	hypo	sig	chr17_42849832
chr6	33521966	33521966	+	1.226E-15	1.7047E-14	-0.38049	hypo	sig	chr6_33521966
chr16	10681997	10681997	+	1.227E-15	1.7057E-14	0.243845	hyper	sig	chr16_10681997
chr7	73424418	73424418	+	1.227E-15	1.7058E-14	0.262883	hyper	sig	chr7_73424418
chr7	97973403	97973403	+	1.229E-15	1.7078E-14	-0.21426	hypo	sig	chr7_97973403
chr5	51390313	51390313	+	1.23E-15	1.709E-14	0.305178	hyper	sig	chr5_51390313
chr6	1.68E+08	167815699	+	1.23E-15	1.7099E-14	-0.2548	hypo	sig	chr6_167815699
chr13	36673571	36673571	+	1.23E-15	1.71E-14	0.236117	hyper	sig	chr13_36673571
chr15	22714489	22714489	+	1.231E-15	1.7105E-14	0.208502	hyper	sig	chr15_22714489
chr20	23048731	23048731	+	1.231E-15	1.7109E-14	0.270309	hyper	sig	chr20_23048731
chr6	32218177	32218177	+	1.231E-15	1.711E-14	-0.21335	hypo	sig	chr6_32218177
chr6	31058190	31058190	+	1.231E-15	1.7111E-14	-0.24888	hypo	sig	chr6_31058190
chr4	3248999	3248999	+	1.231E-15	1.7112E-14	0.242842	hyper	sig	chr4_3248999
chr7	5297180	5297180	+	1.232E-15	1.7114E-14	-0.3319	hypo	sig	chr7_5297180
chr2	96986067	96986067	+	1.232E-15	1.7115E-14	0.300956	hyper	sig	chr2_96986067
chr20	44750270	44750270	+	1.232E-15	1.7119E-14	0.310707	hyper	sig	chr20_44750270
chr5	77638771	77638771	+	1.233E-15	1.7129E-14	0.280606	hyper	sig	chr5_77638771
chr4	624708	624708	+	1.234E-15	1.7141E-14	-0.24576	hypo	sig	chr4_624708
chr13	36920708	36920708	+	1.234E-15	1.7142E-14	0.294393	hyper	sig	chr13_36920708
chr1	18703794	18703794	+	1.235E-15	1.7158E-14	-0.26858	hypo	sig	chr1_18703794
chr10	1.29E+08	128527957	+	1.236E-15	1.7179E-14	-0.25109	hypo	sig	chr10_128527957
chr1	2.17E+08	217139708	+	1.237E-15	1.718E-14	0.307344	hyper	sig	chr1_217139708
chr18	79497379	79497379	+	1.237E-15	1.7186E-14	0.317969	hyper	sig	chr18_79497379
chr19	55647979	55647979	+	1.237E-15	1.7189E-14	0.270408	hyper	sig	chr19_55647979
chr19	39265319	39265319	+	1.238E-15	1.7203E-14	0.297754	hyper	sig	chr19_39265319
chr1	1.98E+08	197919782	+	1.238E-15	1.7204E-14	0.242507	hyper	sig	chr1_197919782
chr7	228077	228077	+	1.239E-15	1.7211E-14	-0.22394	hypo	sig	chr7_228077
chr1	44645759	44645759	+	1.239E-15	1.7215E-14	0.272532	hyper	sig	chr1_44645759
chr5	1282980	1282980	+	1.241E-15	1.7235E-14	-0.21205	hypo	sig	chr5_1282980
chr16	88488425	88488425	+	1.241E-15	1.7243E-14	-0.25134	hypo	sig	chr16_88488425
chr2	64858388	64858388	+	1.241E-15	1.7244E-14	0.34042	hyper	sig	chr2_64858388
chr6	89433915	89433915	+	1.242E-15	1.7248E-14	0.202829	hyper	sig	chr6_89433915
chr1	1128463	1128463	+	1.242E-15	1.7252E-14	-0.27166	hypo	sig	chr1_1128463
chr14	1.04E+08	103712823	+	1.242E-15	1.7256E-14	0.216795	hyper	sig	chr14_103712823
chr1	3068036	3068036	+	1.243E-15	1.7259E-14	0.212366	hyper	sig	chr1_3068036
chr5	1.41E+08	141365970	+	1.243E-15	1.7267E-14	0.274939	hyper	sig	chr5_141365970
chr17	78466687	78466687	+	1.244E-15	1.7277E-14	-0.25023	hypo	sig	chr17_78466687
chr19	10817873	10817873	+	1.245E-15	1.7291E-14	0.232691	hyper	sig	chr19_10817873
chr2	20184545	20184545	+	1.245E-15	1.7295E-14	-0.22935	hypo	sig	chr2_20184545
chr12	1.14E+08	114441297	+	1.245E-15	1.7296E-14	0.350559	hyper	sig	chr12_114441297
chr15	78871680	78871680	+	1.247E-15	1.7313E-14	-0.31301	hypo	sig	chr15_78871680
chr19	37467690	37467690	+	1.247E-15	1.7313E-14	0.222507	hyper	sig	chr19_37467690
chr9	1.33E+08	132586548	+	1.247E-15	1.732E-14	0.24573	hyper	sig	chr9_132586548
chr4	41744680	41744680	+	1.248E-15	1.7325E-14	0.207832	hyper	sig	chr4_41744680
chr4	4868726	4868726	+	1.249E-15	1.7348E-14	0.355825	hyper	sig	chr4_4868726
chr17	79793686	79793686	+	1.25E-15	1.7359E-14	0.285475	hyper	sig	chr17_79793686
chr11	820682	820682	+	1.25E-15	1.7359E-14	-0.2306	hypo	sig	chr11_820682
chr7	4810501	4810501	+	1.252E-15	1.7378E-14	-0.30976	hypo	sig	chr7_4810501

chr6	33187161	33187161	+	1.252E-15	1.7382E-14	-0.22903	hypo	sig	chr6_33187161
chr12	52368221	52368221	+	1.252E-15	1.7388E-14	-0.27684	hypo	sig	chr12_52368221
chr11	65640997	65640997	+	1.253E-15	1.7393E-14	-0.22105	hypo	sig	chr11_65640997
chr2	88765387	88765387	+	1.253E-15	1.7394E-14	0.232985	hyper	sig	chr2_88765387
chr15	89828465	89828465	+	1.253E-15	1.7395E-14	0.246889	hyper	sig	chr15_89828465
chr12	1.33E+08	132601666	+	1.253E-15	1.74E-14	-0.23068	hypo	sig	chr12_132601666
chr1	1.04E+08	104073496	+	1.254E-15	1.7414E-14	-0.20606	hypo	sig	chr1_104073496
chr17	81400693	81400693	+	1.255E-15	1.7426E-14	0.258867	hyper	sig	chr17_81400693
chr19	30226565	30226565	+	1.255E-15	1.7427E-14	0.203149	hyper	sig	chr19_30226565
chr5	1.71E+08	171313834	+	1.258E-15	1.747E-14	0.20449	hyper	sig	chr5_171313834
chr19	53521531	53521531	+	1.259E-15	1.7484E-14	0.232035	hyper	sig	chr19_53521531
chr1	2015266	2015266	+	1.26E-15	1.7491E-14	-0.3702	hypo	sig	chr1_2015266
chr2	10494074	10494074	+	1.26E-15	1.7495E-14	-0.2696	hypo	sig	chr2_10494074
chr6	27260417	27260417	+	1.26E-15	1.7497E-14	0.229619	hyper	sig	chr6_27260417
chr17	48725113	48725113	+	1.261E-15	1.7503E-14	0.24316	hyper	sig	chr17_48725113
chr10	1.3E+08	129899014	+	1.261E-15	1.7504E-14	0.255645	hyper	sig	chr10_129899014
chr17	42784480	42784480	+	1.261E-15	1.7506E-14	0.243921	hyper	sig	chr17_42784480
chr8	1376245	1376245	+	1.261E-15	1.7509E-14	0.253609	hyper	sig	chr8_1376245
chr4	1.63E+08	163472650	+	1.262E-15	1.751E-14	-0.24502	hypo	sig	chr4_163472650
chr4	1.57E+08	156977636	+	1.262E-15	1.752E-14	-0.26461	hypo	sig	chr4_156977636
chr12	53966609	53966609	+	1.263E-15	1.7532E-14	0.354948	hyper	sig	chr12_53966609
chr16	85534848	85534848	+	1.264E-15	1.7538E-14	0.224028	hyper	sig	chr16_85534848
chr2	66444641	66444641	+	1.264E-15	1.7541E-14	0.287969	hyper	sig	chr2_66444641
chr2	10494062	10494062	+	1.264E-15	1.7544E-14	-0.26645	hypo	sig	chr2_10494062
chr1	40979182	40979182	+	1.264E-15	1.7548E-14	0.205594	hyper	sig	chr1_40979182
chr2	2.39E+08	239260196	+	1.266E-15	1.7563E-14	-0.21753	hypo	sig	chr2_239260196
chr9	1.35E+08	135085960	+	1.266E-15	1.7569E-14	-0.22333	hypo	sig	chr9_135085960
chr11	66559327	66559327	+	1.267E-15	1.7582E-14	0.215178	hyper	sig	chr11_66559327
chr10	1.3E+08	129842039	+	1.267E-15	1.7583E-14	-0.24148	hypo	sig	chr10_129842039
chr1	2.29E+08	228650596	+	1.268E-15	1.7593E-14	0.315245	hyper	sig	chr1_228650596
chr1	98053823	98053823	+	1.268E-15	1.7595E-14	0.230539	hyper	sig	chr1_98053823
chr6	1.42E+08	141562347	+	1.268E-15	1.7601E-14	-0.2765	hypo	sig	chr6_141562347
chr14	97219486	97219486	+	1.27E-15	1.7619E-14	0.256971	hyper	sig	chr14_97219486
chr17	35496671	35496671	+	1.27E-15	1.7619E-14	0.311375	hyper	sig	chr17_35496671
chr22	46076650	46076650	+	1.27E-15	1.7629E-14	-0.27877	hypo	sig	chr22_46076650
chr13	1.12E+08	112037805	+	1.271E-15	1.7631E-14	-0.25459	hypo	sig	chr13_112037805
chr19	55159001	55159001	+	1.271E-15	1.7634E-14	-0.29308	hypo	sig	chr19_55159001
chr1	929595	929595	+	1.272E-15	1.7655E-14	-0.2298	hypo	sig	chr1_929595
chr19	55359059	55359059	+	1.273E-15	1.7663E-14	-0.26231	hypo	sig	chr19_55359059
chr11	69439808	69439808	+	1.277E-15	1.7724E-14	-0.24417	hypo	sig	chr11_69439808
chr2	2.18E+08	218007934	+	1.278E-15	1.7732E-14	-0.27727	hypo	sig	chr2_218007934
chr13	1.11E+08	111402600	+	1.278E-15	1.7737E-14	-0.21319	hypo	sig	chr13_111402600
chr5	73444890	73444890	+	1.278E-15	1.7737E-14	0.252558	hyper	sig	chr5_73444890
chr12	54047434	54047434	+	1.28E-15	1.775E-14	0.2807	hyper	sig	chr12_54047434
chr3	43997948	43997948	+	1.28E-15	1.7757E-14	0.252828	hyper	sig	chr3_43997948
chr8	39314451	39314451	+	1.28E-15	1.7757E-14	0.276811	hyper	sig	chr8_39314451
chr10	380573	380573	+	1.28E-15	1.7759E-14	0.228884	hyper	sig	chr10_380573
chr2	1.13E+08	113275970	+	1.282E-15	1.778E-14	0.256721	hyper	sig	chr2_113275970
chr3	1.28E+08	128493428	+	1.282E-15	1.778E-14	0.31225	hyper	sig	chr3_128493428
chr5	1.41E+08	141360423	+	1.283E-15	1.7791E-14	0.241533	hyper	sig	chr5_141360423
chr22	46085091	46085091	+	1.283E-15	1.7799E-14	-0.30097	hypo	sig	chr22_46085091
chr6	28091201	28091201	+	1.285E-15	1.782E-14	0.222558	hyper	sig	chr6_28091201
chr19	6712498	6712498	+	1.285E-15	1.7828E-14	-0.3153	hypo	sig	chr19_6712498
chr18	57439154	57439154	+	1.285E-15	1.783E-14	0.218	hyper	sig	chr18_57439154
chr19	46079149	46079149	+	1.286E-15	1.7833E-14	0.255696	hyper	sig	chr19_46079149
chr17	49964850	49964850	+	1.287E-15	1.7847E-14	0.365887	hyper	sig	chr17_49964850

chr8	23344010	23344010	+	1.289E-15	1.7872E-14	0.291813	hyper	sig	chr8_23344010
chr2	2.42E+08	242011313	+	1.289E-15	1.7874E-14	-0.30092	hypo	sig	chr2_242011313
chr2	2.22E+08	222303935	+	1.291E-15	1.7899E-14	0.226671	hyper	sig	chr2_222303935
chr6	1594374	1594374	+	1.291E-15	1.7908E-14	-0.25711	hypo	sig	chr6_1594374
chr15	34754969	34754969	+	1.291E-15	1.7909E-14	0.212197	hyper	sig	chr15_34754969
chr12	1.32E+08	132255142	+	1.292E-15	1.7916E-14	-0.317	hypo	sig	chr12_132255142
chr4	41751860	41751860	+	1.295E-15	1.7953E-14	0.212729	hyper	sig	chr4_41751860
chr19	48747182	48747182	+	1.295E-15	1.7954E-14	0.299803	hyper	sig	chr19_48747182
chr5	1.79E+08	178577186	+	1.295E-15	1.7958E-14	0.297914	hyper	sig	chr5_178577186
chr15	37102886	37102886	+	1.296E-15	1.7973E-14	0.284683	hyper	sig	chr15_37102886
chr1	2439584	2439584	+	1.296E-15	1.7975E-14	-0.23563	hypo	sig	chr1_2439584
chr19	48480421	48480421	+	1.299E-15	1.8008E-14	0.253571	hyper	sig	chr19_48480421
chr3	8683626	8683626	+	1.299E-15	1.801E-14	-0.20155	hypo	sig	chr3_8683626
chr3	1.47E+08	147409926	+	1.299E-15	1.8011E-14	0.29312	hyper	sig	chr3_147409926
chr13	25171329	25171329	+	1.299E-15	1.8012E-14	0.42605	hyper	sig	chr13_25171329
chr18	78793305	78793305	+	1.299E-15	1.8015E-14	-0.23505	hypo	sig	chr18_78793305
chr12	51027534	51027534	+	1.301E-15	1.8037E-14	-0.21652	hypo	sig	chr12_51027534
chr14	92514842	92514842	+	1.301E-15	1.8039E-14	0.244482	hyper	sig	chr14_92514842
chr2	44932256	44932256	+	1.301E-15	1.8039E-14	0.334282	hyper	sig	chr2_44932256
chr15	96416942	96416942	+	1.302E-15	1.8044E-14	0.277563	hyper	sig	chr15_96416942
chr1	2496978	2496978	+	1.302E-15	1.8049E-14	-0.35447	hypo	sig	chr1_2496978
chr16	427087	427087	+	1.303E-15	1.8058E-14	0.236845	hyper	sig	chr16_427087
chr9	1.29E+08	129480402	+	1.303E-15	1.8064E-14	0.290535	hyper	sig	chr9_129480402
chr6	1.59E+08	158532225	+	1.303E-15	1.8068E-14	-0.34687	hypo	sig	chr6_158532225
chr5	1.79E+08	178502785	+	1.303E-15	1.8069E-14	-0.22464	hypo	sig	chr5_178502785
chr6	33165593	33165593	+	1.303E-15	1.8069E-14	-0.22306	hypo	sig	chr6_33165593
chr7	945238	945238	+	1.304E-15	1.8074E-14	-0.27356	hypo	sig	chr7_945238
chr8	1.25E+08	124999682	+	1.304E-15	1.808E-14	-0.22464	hypo	sig	chr8_124999682
chr17	34637827	34637827	+	1.304E-15	1.808E-14	0.208981	hyper	sig	chr17_34637827
chr12	50082386	50082386	+	1.305E-15	1.8084E-14	-0.33375	hypo	sig	chr12_50082386
chr10	22335154	22335154	+	1.305E-15	1.8092E-14	0.224439	hyper	sig	chr10_22335154
chr17	79787356	79787356	+	1.307E-15	1.8113E-14	-0.24039	hypo	sig	chr17_79787356
chr15	77995330	77995330	+	1.308E-15	1.8124E-14	0.212451	hyper	sig	chr15_77995330
chr1	40133032	40133032	+	1.309E-15	1.8135E-14	0.323626	hyper	sig	chr1_40133032
chr12	1.15E+08	114687125	+	1.309E-15	1.8139E-14	0.272516	hyper	sig	chr12_114687125
chr22	18998137	18998137	+	1.312E-15	1.8183E-14	0.230171	hyper	sig	chr22_18998137
chr17	45429122	45429122	+	1.313E-15	1.8196E-14	0.241488	hyper	sig	chr17_45429122
chr20	61873895	61873895	+	1.313E-15	1.8196E-14	-0.30177	hypo	sig	chr20_61873895
chr4	625586	625586	+	1.314E-15	1.8207E-14	0.227666	hyper	sig	chr4_625586
chr13	1.12E+08	112036255	+	1.314E-15	1.8211E-14	-0.26782	hypo	sig	chr13_112036255
chr4	993524	993524	+	1.315E-15	1.8223E-14	-0.23509	hypo	sig	chr4_993524
chr11	70662035	70662035	+	1.316E-15	1.8232E-14	0.300102	hyper	sig	chr11_70662035
chr5	1.77E+08	176535332	+	1.316E-15	1.8241E-14	-0.2089	hypo	sig	chr5_176535332
chr19	3179596	3179596	+	1.317E-15	1.8251E-14	-0.29384	hypo	sig	chr19_3179596
chr4	1.47E+08	146637080	+	1.317E-15	1.8252E-14	0.296639	hyper	sig	chr4_146637080
chr10	7213811	7213811	+	1.318E-15	1.8266E-14	-0.22565	hypo	sig	chr10_7213811
chr17	48678357	48678357	+	1.318E-15	1.8267E-14	0.209388	hyper	sig	chr17_48678357
chr12	49903798	49903798	+	1.319E-15	1.8272E-14	0.268796	hyper	sig	chr12_49903798
chr19	19528759	19528759	+	1.319E-15	1.8273E-14	0.327443	hyper	sig	chr19_19528759
chr16	17469443	17469443	+	1.32E-15	1.8284E-14	0.241675	hyper	sig	chr16_17469443
chr12	1.11E+08	111287737	+	1.32E-15	1.8285E-14	-0.32939	hypo	sig	chr12_111287737
chr15	99439242	99439242	+	1.32E-15	1.8287E-14	-0.22292	hypo	sig	chr15_99439242
chr1	2339180	2339180	+	1.32E-15	1.8291E-14	-0.28115	hypo	sig	chr1_2339180
chr10	13891603	13891603	+	1.321E-15	1.8299E-14	0.254869	hyper	sig	chr10_13891603
chr19	50358656	50358656	+	1.321E-15	1.8303E-14	0.208641	hyper	sig	chr19_50358656
chr2	70899610	70899610	+	1.321E-15	1.8303E-14	0.211805	hyper	sig	chr2_70899610

chr16	1040228	1040228	+	1.321E-15	1.8305E-14	-0.2352	hypo	sig	chr16_1040228
chr5	392782	392782	+	1.322E-15	1.8305E-14	-0.28595	hypo	sig	chr5_392782
chr11	1310601	1310601	+	1.322E-15	1.8309E-14	-0.2414	hypo	sig	chr11_1310601
chr2	2.36E+08	235767377	+	1.322E-15	1.8312E-14	0.242717	hyper	sig	chr2_235767377
chr3	13204195	13204195	+	1.322E-15	1.8312E-14	0.33314	hyper	sig	chr3_13204195
chr20	63414938	63414938	+	1.323E-15	1.8324E-14	-0.23064	hypo	sig	chr20_63414938
chr16	54290257	54290257	+	1.323E-15	1.8326E-14	0.230741	hyper	sig	chr16_54290257
chr11	92227123	92227123	+	1.323E-15	1.8326E-14	0.216654	hyper	sig	chr11_92227123
chr19	1071032	1071032	+	1.323E-15	1.8328E-14	0.219559	hyper	sig	chr19_1071032
chr17	82931839	82931839	+	1.324E-15	1.8342E-14	0.284016	hyper	sig	chr17_82931839
chr5	1536376	1536376	+	1.325E-15	1.8343E-14	-0.24623	hypo	sig	chr5_1536376
chr9	1.33E+08	133346590	+	1.325E-15	1.8347E-14	0.237152	hyper	sig	chr9_133346590
chr12	1.13E+08	113476818	+	1.325E-15	1.8347E-14	0.236077	hyper	sig	chr12_113476818
chr17	36941552	36941552	+	1.325E-15	1.8352E-14	0.223987	hyper	sig	chr17_36941552
chr20	56625842	56625842	+	1.325E-15	1.8354E-14	0.296847	hyper	sig	chr20_56625842
chr5	1.41E+08	141393248	+	1.325E-15	1.8354E-14	0.23481	hyper	sig	chr5_141393248
chr21	45559688	45559688	+	1.326E-15	1.836E-14	-0.24761	hypo	sig	chr21_45559688
chr11	67989916	67989916	+	1.327E-15	1.8372E-14	-0.30522	hypo	sig	chr11_67989916
chr3	1.54E+08	154122529	+	1.328E-15	1.8382E-14	0.266389	hyper	sig	chr3_154122529
chr20	31862257	31862257	+	1.328E-15	1.8393E-14	-0.27837	hypo	sig	chr20_31862257
chr7	24285725	24285725	+	1.33E-15	1.8417E-14	0.318483	hyper	sig	chr7_24285725
chr19	4455926	4455926	+	1.331E-15	1.8427E-14	0.290261	hyper	sig	chr19_4455926
chr2	2.41E+08	240672645	+	1.331E-15	1.8428E-14	0.280902	hyper	sig	chr2_240672645
chr16	12901141	12901141	+	1.332E-15	1.8443E-14	0.229625	hyper	sig	chr16_12901141
chr8	26048270	26048270	+	1.332E-15	1.8446E-14	0.257911	hyper	sig	chr8_26048270
chr5	1.77E+08	177304838	+	1.333E-15	1.8459E-14	-0.24984	hypo	sig	chr5_177304838
chr13	83881516	83881516	+	1.335E-15	1.8474E-14	0.24454	hyper	sig	chr13_83881516
chr6	50843112	50843112	+	1.335E-15	1.8476E-14	0.230547	hyper	sig	chr6_50843112
chr6	5999036	5999036	+	1.338E-15	1.8516E-14	0.2215	hyper	sig	chr6_5999036
chr11	72244096	72244096	+	1.338E-15	1.8517E-14	0.244036	hyper	sig	chr11_72244096
chr19	17847971	17847971	+	1.339E-15	1.8534E-14	0.2031	hyper	sig	chr19_17847971
chr2	2.08E+08	207926897	+	1.339E-15	1.8534E-14	0.233133	hyper	sig	chr2_207926897
chr1	58249883	58249883	+	1.339E-15	1.8538E-14	0.203595	hyper	sig	chr1_58249883
chr20	59934485	59934485	+	1.339E-15	1.8539E-14	0.245424	hyper	sig	chr20_59934485
chr16	1205535	1205535	+	1.34E-15	1.8545E-14	-0.28437	hypo	sig	chr16_1205535
chr12	54006760	54006760	+	1.341E-15	1.8563E-14	-0.25805	hypo	sig	chr12_54006760
chr12	52007720	52007720	+	1.343E-15	1.859E-14	0.200702	hyper	sig	chr12_52007720
chr7	92179422	92179422	+	1.343E-15	1.8592E-14	0.204865	hyper	sig	chr7_92179422
chr5	37836017	37836017	+	1.344E-15	1.8597E-14	0.273806	hyper	sig	chr5_37836017
chr4	89836280	89836280	+	1.345E-15	1.8616E-14	0.204424	hyper	sig	chr4_89836280
chr5	78505188	78505188	+	1.345E-15	1.8618E-14	0.230603	hyper	sig	chr5_78505188
chr12	85279566	85279566	+	1.346E-15	1.8623E-14	0.255756	hyper	sig	chr12_85279566
chr22	16602575	16602575	+	1.347E-15	1.8635E-14	0.223368	hyper	sig	chr22_16602575
chr2	1.76E+08	176152923	+	1.347E-15	1.8638E-14	-0.30521	hypo	sig	chr2_176152923
chr11	62689467	62689467	+	1.347E-15	1.8642E-14	0.224166	hyper	sig	chr11_62689467
chr9	1.37E+08	136821288	+	1.348E-15	1.8646E-14	0.24828	hyper	sig	chr9_136821288
chr22	50041869	50041869	+	1.348E-15	1.8648E-14	-0.3036	hypo	sig	chr22_50041869
chr11	972270	972270	+	1.348E-15	1.8649E-14	-0.24345	hypo	sig	chr11_972270
chr8	70071580	70071580	+	1.348E-15	1.8653E-14	0.387488	hyper	sig	chr8_70071580
chr16	55327677	55327677	+	1.349E-15	1.8665E-14	0.262795	hyper	sig	chr16_55327677
chr19	22532539	22532539	+	1.35E-15	1.8682E-14	0.30211	hyper	sig	chr19_22532539
chr12	1.24E+08	124327518	+	1.351E-15	1.8689E-14	0.302894	hyper	sig	chr12_124327518
chr1	1.81E+08	181483886	+	1.351E-15	1.869E-14	0.264394	hyper	sig	chr1_181483886
chr17	42784578	42784578	+	1.352E-15	1.8699E-14	0.236678	hyper	sig	chr17_42784578
chr5	1.35E+08	135399964	+	1.352E-15	1.8709E-14	0.237295	hyper	sig	chr5_135399964
chr5	1.41E+08	140795238	+	1.353E-15	1.8716E-14	0.265694	hyper	sig	chr5_140795238

chr2	2.38E+08	238439717	+	1.353E-15	1.8722E-14	-0.28857	hypo	sig	chr2_238439717
chr6	77462691	77462691	+	1.353E-15	1.8723E-14	0.216843	hyper	sig	chr6_77462691
chr7	1.54E+08	154052810	+	1.354E-15	1.8735E-14	0.299787	hyper	sig	chr7_154052810
chr16	3029783	3029783	+	1.355E-15	1.874E-14	0.264553	hyper	sig	chr16_3029783
chr10	86263033	86263033	+	1.356E-15	1.8754E-14	0.204757	hyper	sig	chr10_86263033
chr18	14999828	14999828	+	1.358E-15	1.8782E-14	0.290322	hyper	sig	chr18_14999828
chr12	1.11E+08	111272789	+	1.358E-15	1.8785E-14	-0.32684	hypo	sig	chr12_111272789
chr4	1.74E+08	173516792	+	1.358E-15	1.8786E-14	0.228143	hyper	sig	chr4_173516792
chr1	43008231	43008231	+	1.358E-15	1.8787E-14	-0.22739	hypo	sig	chr1_43008231
chr13	1.1E+08	110388225	+	1.359E-15	1.8793E-14	0.242179	hyper	sig	chr13_110388225
chr15	40927104	40927104	+	1.359E-15	1.88E-14	-0.22407	hypo	sig	chr15_40927104
chr11	1.25E+08	124752570	+	1.36E-15	1.8807E-14	0.237783	hyper	sig	chr11_124752570
chr19	35853353	35853353	+	1.36E-15	1.8814E-14	-0.24963	hypo	sig	chr19_35853353
chr14	64599758	64599758	+	1.361E-15	1.8818E-14	-0.22192	hypo	sig	chr14_64599758
chr19	2546853	2546853	+	1.361E-15	1.8827E-14	-0.22459	hypo	sig	chr19_2546853
chr18	46661043	46661043	+	1.362E-15	1.8836E-14	-0.22162	hypo	sig	chr18_46661043
chr3	11569121	11569121	+	1.362E-15	1.884E-14	0.229154	hyper	sig	chr3_11569121
chr14	1.03E+08	103140871	+	1.362E-15	1.884E-14	-0.31212	hypo	sig	chr14_103140871
chr15	20356822	20356822	+	1.363E-15	1.8849E-14	-0.23543	hypo	sig	chr15_20356822
chr4	1056094	1056094	+	1.363E-15	1.8852E-14	-0.25089	hypo	sig	chr4_1056094
chr8	64576197	64576197	+	1.363E-15	1.8852E-14	0.320032	hyper	sig	chr8_64576197
chr10	49613606	49613606	+	1.364E-15	1.8861E-14	0.287072	hyper	sig	chr10_49613606
chr10	1.3E+08	129525925	+	1.364E-15	1.8866E-14	0.227865	hyper	sig	chr10_129525925
chr2	2.01E+08	201233380	+	1.365E-15	1.8878E-14	-0.21897	hypo	sig	chr2_201233380
chr4	6727030	6727030	+	1.365E-15	1.8879E-14	0.232468	hyper	sig	chr4_6727030
chr2	94994305	94994305	+	1.365E-15	1.8879E-14	-0.3206	hypo	sig	chr2_94994305
chr3	1.65E+08	165197227	+	1.366E-15	1.889E-14	0.226327	hyper	sig	chr3_165197227
chr13	99989236	99989236	+	1.368E-15	1.8907E-14	0.293923	hyper	sig	chr13_99989236
chr1	6345687	6345687	+	1.368E-15	1.891E-14	-0.22467	hypo	sig	chr1_6345687
chr6	36127140	36127140	+	1.37E-15	1.8942E-14	-0.26022	hypo	sig	chr6_36127140
chr1	1333111	1333111	+	1.371E-15	1.8954E-14	-0.28214	hypo	sig	chr1_1333111
chr2	2.18E+08	218290655	+	1.371E-15	1.8958E-14	-0.21041	hypo	sig	chr2_218290655
chr6	1.69E+08	168871957	+	1.372E-15	1.8973E-14	-0.23599	hypo	sig	chr6_168871957
chr3	1.49E+08	148697963	+	1.372E-15	1.8973E-14	0.201238	hyper	sig	chr3_148697963
chr22	16601076	16601076	+	1.373E-15	1.8977E-14	0.259294	hyper	sig	chr22_16601076
chr19	14582051	14582051	+	1.373E-15	1.8977E-14	-0.24971	hypo	sig	chr19_14582051
chr1	90836405	90836405	+	1.373E-15	1.8984E-14	0.362389	hyper	sig	chr1_90836405
chr17	78316344	78316344	+	1.375E-15	1.9006E-14	-0.25731	hypo	sig	chr17_78316344
chr8	52564383	52564383	+	1.375E-15	1.9006E-14	0.308219	hyper	sig	chr8_52564383
chr4	41748327	41748327	+	1.375E-15	1.9009E-14	0.280517	hyper	sig	chr4_41748327
chr2	89649914	89649914	+	1.375E-15	1.9013E-14	-0.29851	hypo	sig	chr2_89649914
chr13	1.13E+08	112995276	+	1.376E-15	1.9018E-14	-0.24259	hypo	sig	chr13_112995276
chr1	2.05E+08	205314185	+	1.377E-15	1.903E-14	0.229063	hyper	sig	chr1_205314185
chr4	4855391	4855391	+	1.378E-15	1.9041E-14	0.200967	hyper	sig	chr4_4855391
chr11	3435274	3435274	+	1.378E-15	1.9046E-14	-0.28727	hypo	sig	chr11_3435274
chr16	50673909	50673909	+	1.378E-15	1.9048E-14	0.262406	hyper	sig	chr16_50673909
chr11	70177504	70177504	+	1.378E-15	1.9049E-14	-0.24929	hypo	sig	chr11_70177504
chr11	1.06E+08	105610577	+	1.38E-15	1.9079E-14	0.244452	hyper	sig	chr11_105610577
chr1	21938051	21938051	+	1.381E-15	1.908E-14	0.224659	hyper	sig	chr1_21938051
chr8	1.4E+08	140098014	+	1.381E-15	1.908E-14	0.22936	hyper	sig	chr8_140098014
chr13	21319330	21319330	+	1.381E-15	1.9082E-14	0.26831	hyper	sig	chr13_21319330
chr9	1.36E+08	136334199	+	1.382E-15	1.9095E-14	-0.30319	hypo	sig	chr9_136334199
chr10	1.29E+08	128541080	+	1.382E-15	1.9102E-14	0.256934	hyper	sig	chr10_128541080
chr17	8408370	8408370	+	1.383E-15	1.9105E-14	-0.24804	hypo	sig	chr17_8408370
chr5	1.73E+08	173243876	+	1.383E-15	1.9105E-14	0.330564	hyper	sig	chr5_173243876
chr6	1.7E+08	170129058	+	1.383E-15	1.9106E-14	-0.23478	hypo	sig	chr6_170129058

chr17	82302457	82302457	+	1.383E-15	1.9108E-14	-0.25655	hypo	sig	chr17_82302457
chr6	1.37E+08	137045355	+	1.384E-15	1.9127E-14	-0.22872	hypo	sig	chr6_137045355
chr5	1.79E+08	179060729	+	1.384E-15	1.9129E-14	0.264245	hyper	sig	chr5_179060729
chr12	1.22E+08	121918940	+	1.385E-15	1.9142E-14	0.285181	hyper	sig	chr12_121918940
chr14	94936878	94936878	+	1.393E-15	1.9243E-14	0.301063	hyper	sig	chr14_94936878
chr12	1632715	1632715	+	1.393E-15	1.9246E-14	0.213509	hyper	sig	chr12_1632715
chr6	31727714	31727714	+	1.393E-15	1.9252E-14	-0.23509	hypo	sig	chr6_31727714
chr11	1101394	1101394	+	1.394E-15	1.9255E-14	-0.30613	hypo	sig	chr11_1101394
chr16	88874765	88874765	+	1.394E-15	1.9266E-14	-0.20698	hypo	sig	chr16_88874765
chr12	63150076	63150076	+	1.395E-15	1.9272E-14	0.262569	hyper	sig	chr12_63150076
chr2	2.41E+08	240825037	+	1.396E-15	1.928E-14	-0.22389	hypo	sig	chr2_240825037
chr13	1.12E+08	112071282	+	1.396E-15	1.9286E-14	0.23157	hyper	sig	chr13_112071282
chr1	16168946	16168946	+	1.397E-15	1.9295E-14	-0.23959	hypo	sig	chr1_16168946
chr10	21510214	21510214	+	1.397E-15	1.9296E-14	0.299189	hyper	sig	chr10_21510214
chr2	96527875	96527875	+	1.398E-15	1.931E-14	0.267498	hyper	sig	chr2_96527875
chr2	1.54E+08	153872004	+	1.399E-15	1.9327E-14	0.205289	hyper	sig	chr2_153872004
chr1	1.71E+08	170662286	+	1.4E-15	1.9333E-14	0.227125	hyper	sig	chr1_170662286
chr15	90884841	90884841	+	1.4E-15	1.9336E-14	0.316494	hyper	sig	chr15_90884841
chr20	61902761	61902761	+	1.401E-15	1.9348E-14	-0.26457	hypo	sig	chr20_61902761
chr2	6918346	6918346	+	1.401E-15	1.9354E-14	0.22903	hyper	sig	chr2_6918346
chr5	3393933	3393933	+	1.401E-15	1.9354E-14	-0.236	hypo	sig	chr5_3393933
chr4	3533032	3533032	+	1.402E-15	1.936E-14	0.25394	hyper	sig	chr4_3533032
chr6	84773849	84773849	+	1.402E-15	1.9367E-14	0.217849	hyper	sig	chr6_84773849
chr13	19173819	19173819	+	1.402E-15	1.9367E-14	-0.37553	hypo	sig	chr13_19173819
chr17	19978356	19978356	+	1.402E-15	1.9367E-14	0.292059	hyper	sig	chr17_19978356
chr6	30007591	30007591	+	1.403E-15	1.9372E-14	0.200683	hyper	sig	chr6_30007591
chr7	1713960	1713960	+	1.403E-15	1.9373E-14	-0.21026	hypo	sig	chr7_1713960
chr3	49910814	49910814	+	1.404E-15	1.9385E-14	0.234624	hyper	sig	chr3_49910814
chr1	18632329	18632329	+	1.404E-15	1.939E-14	0.266653	hyper	sig	chr1_18632329
chr5	3596822	3596822	+	1.407E-15	1.9434E-14	0.388136	hyper	sig	chr5_3596822
chr18	79899678	79899678	+	1.408E-15	1.9448E-14	0.273816	hyper	sig	chr18_79899678
chr9	1.29E+08	129497826	+	1.409E-15	1.9458E-14	0.28807	hyper	sig	chr9_129497826
chr16	1962792	1962792	+	1.409E-15	1.9464E-14	-0.23805	hypo	sig	chr16_1962792
chr6	10886958	10886958	+	1.41E-15	1.9474E-14	0.227601	hyper	sig	chr6_10886958
chr2	44945160	44945160	+	1.41E-15	1.9474E-14	0.265433	hyper	sig	chr2_44945160
chr11	15938031	15938031	+	1.412E-15	1.9492E-14	0.262928	hyper	sig	chr11_15938031
chr7	42225949	42225949	+	1.413E-15	1.951E-14	-0.23765	hypo	sig	chr7_42225949
chr17	80780183	80780183	+	1.414E-15	1.952E-14	-0.24184	hypo	sig	chr17_80780183
chr5	1.41E+08	141224886	+	1.414E-15	1.9525E-14	0.294623	hyper	sig	chr5_141224886
chr20	36876193	36876193	+	1.415E-15	1.9543E-14	-0.2936	hypo	sig	chr20_36876193
chr5	3197894	3197894	+	1.415E-15	1.9543E-14	0.264767	hyper	sig	chr5_3197894
chr21	33025914	33025914	+	1.415E-15	1.9543E-14	0.266199	hyper	sig	chr21_33025914
chr21	45286734	45286734	+	1.416E-15	1.9549E-14	0.223466	hyper	sig	chr21_45286734
chr20	57348612	57348612	+	1.416E-15	1.9556E-14	0.208609	hyper	sig	chr20_57348612
chr1	22451346	22451346	+	1.417E-15	1.9561E-14	-0.23806	hypo	sig	chr1_22451346
chr15	90100534	90100534	+	1.418E-15	1.9572E-14	0.231278	hyper	sig	chr15_90100534
chr11	1.25E+08	125494874	+	1.42E-15	1.9597E-14	0.297375	hyper	sig	chr11_125494874
chr5	1.78E+08	177984709	+	1.42E-15	1.9607E-14	0.219587	hyper	sig	chr5_177984709
chr9	2621176	2621176	+	1.42E-15	1.9607E-14	0.383679	hyper	sig	chr9_2621176
chr17	81918468	81918468	+	1.421E-15	1.9611E-14	0.251369	hyper	sig	chr17_81918468
chr1	1.83E+08	183416752	+	1.422E-15	1.9626E-14	0.262289	hyper	sig	chr1_183416752
chr14	36654482	36654482	+	1.422E-15	1.9626E-14	0.273517	hyper	sig	chr14_36654482
chr20	21517514	21517514	+	1.422E-15	1.9626E-14	0.303105	hyper	sig	chr20_21517514
chr19	23002763	23002763	+	1.422E-15	1.9633E-14	0.266221	hyper	sig	chr19_23002763
chr19	15181720	15181720	+	1.423E-15	1.9647E-14	-0.32497	hypo	sig	chr19_15181720
chr11	1.23E+08	122979782	+	1.424E-15	1.965E-14	0.236863	hyper	sig	chr11_122979782

chr7	4712432	4712432	+	1.424E-15	1.9657E-14	-0.22376	hypo	sig	chr7_4712432
chr5	1.75E+08	175445336	+	1.424E-15	1.9662E-14	0.301802	hyper	sig	chr5_175445336
chr13	1.13E+08	113405813	+	1.425E-15	1.9668E-14	-0.32567	hypo	sig	chr13_113405813
chr15	82808941	82808941	+	1.425E-15	1.9669E-14	-0.2636	hypo	sig	chr15_82808941
chr7	35254861	35254861	+	1.426E-15	1.968E-14	0.296111	hyper	sig	chr7_35254861
chr7	37448869	37448869	+	1.427E-15	1.9692E-14	0.234509	hyper	sig	chr7_37448869
chr3	1.28E+08	128483999	+	1.427E-15	1.9699E-14	0.212793	hyper	sig	chr3_128483999
chr7	19117681	19117681	+	1.428E-15	1.9711E-14	0.262206	hyper	sig	chr7_19117681
chr4	1.39E+08	139279678	+	1.429E-15	1.9721E-14	0.295602	hyper	sig	chr4_139279678
chr1	54259762	54259762	+	1.43E-15	1.9734E-14	-0.24521	hypo	sig	chr1_54259762
chr7	1.29E+08	128831604	+	1.431E-15	1.9741E-14	0.249891	hyper	sig	chr7_128831604
chr1	1.99E+08	198679720	+	1.431E-15	1.9745E-14	-0.26372	hypo	sig	chr1_198679720
chr6	1.32E+08	131949300	+	1.432E-15	1.9759E-14	0.326884	hyper	sig	chr6_131949300
chr6	1.08E+08	108171115	+	1.432E-15	1.976E-14	0.297587	hyper	sig	chr6_108171115
chr7	73425161	73425161	+	1.432E-15	1.9763E-14	-0.31552	hypo	sig	chr7_73425161
chr1	2.24E+08	224175823	+	1.432E-15	1.9766E-14	0.341647	hyper	sig	chr1_224175823
chr17	44558363	44558363	+	1.433E-15	1.9778E-14	0.294562	hyper	sig	chr17_44558363
chr3	1.2E+08	119810397	+	1.433E-15	1.9778E-14	0.22583	hyper	sig	chr3_119810397
chr9	1.37E+08	136995198	+	1.433E-15	1.9778E-14	0.305964	hyper	sig	chr9_136995198
chr8	71556388	71556388	+	1.436E-15	1.9811E-14	0.299357	hyper	sig	chr8_71556388
chr18	77250201	77250201	+	1.438E-15	1.9842E-14	0.211258	hyper	sig	chr18_77250201
chr17	81461041	81461041	+	1.438E-15	1.9845E-14	-0.27418	hypo	sig	chr17_81461041
chr1	2.03E+08	203049962	+	1.439E-15	1.9846E-14	-0.26163	hypo	sig	chr1_203049962
chr12	57739678	57739678	+	1.439E-15	1.9847E-14	0.204833	hyper	sig	chr12_57739678
chr2	1.31E+08	130965317	+	1.439E-15	1.9853E-14	-0.27664	hypo	sig	chr2_130965317
chr8	1323526	1323526	+	1.439E-15	1.9854E-14	-0.2222	hypo	sig	chr8_1323526
chr11	1.16E+08	115711281	+	1.44E-15	1.986E-14	-0.24719	hypo	sig	chr11_115711281
chr5	3325450	3325450	+	1.44E-15	1.9861E-14	0.227382	hyper	sig	chr5_3325450
chr16	87860930	87860930	+	1.44E-15	1.9869E-14	0.210381	hyper	sig	chr16_87860930
chr8	64799133	64799133	+	1.441E-15	1.9871E-14	0.325928	hyper	sig	chr8_64799133
chr10	86263477	86263477	+	1.441E-15	1.9882E-14	0.21312	hyper	sig	chr10_86263477
chr1	47986842	47986842	+	1.442E-15	1.9896E-14	0.226	hyper	sig	chr1_47986842
chr3	1.61E+08	161165487	+	1.442E-15	1.9896E-14	-0.28035	hypo	sig	chr3_161165487
chr9	1.36E+08	136202468	+	1.442E-15	1.9896E-14	0.320861	hyper	sig	chr9_136202468
chr19	45940487	45940487	+	1.443E-15	1.9907E-14	0.350592	hyper	sig	chr19_45940487
chr5	88889923	88889923	+	1.444E-15	1.9919E-14	0.212765	hyper	sig	chr5_88889923
chr20	46149395	46149395	+	1.445E-15	1.9936E-14	-0.28676	hypo	sig	chr20_46149395
chr19	49210736	49210736	+	1.447E-15	1.9958E-14	0.301803	hyper	sig	chr19_49210736
chr6	1.69E+08	168515297	+	1.448E-15	1.9971E-14	-0.24876	hypo	sig	chr6_168515297
chr9	1.37E+08	137139615	+	1.449E-15	1.9988E-14	0.260075	hyper	sig	chr9_137139615
chr4	1.33E+08	133151725	+	1.45E-15	1.9997E-14	0.300758	hyper	sig	chr4_133151725
chr22	50000072	50000072	+	1.45E-15	2.0002E-14	0.22236	hyper	sig	chr22_50000072
chr3	1.47E+08	147410315	+	1.451E-15	2.0014E-14	0.318304	hyper	sig	chr3_147410315
chr9	1.37E+08	137217534	+	1.451E-15	2.0015E-14	-0.25141	hypo	sig	chr9_137217534
chr7	97007884	97007884	+	1.452E-15	2.0025E-14	0.254855	hyper	sig	chr7_97007884
chr12	74403064	74403064	+	1.452E-15	2.0026E-14	-0.27257	hypo	sig	chr12_74403064
chr5	2658981	2658981	+	1.453E-15	2.003E-14	0.229627	hyper	sig	chr5_2658981
chr7	1.51E+08	151390609	+	1.453E-15	2.0031E-14	-0.22833	hypo	sig	chr7_151390609
chr16	3161528	3161528	+	1.453E-15	2.004E-14	-0.25226	hypo	sig	chr16_3161528
chr11	1.23E+08	122977473	+	1.454E-15	2.005E-14	0.237987	hyper	sig	chr11_122977473
chr16	86513176	86513176	+	1.455E-15	2.0055E-14	0.296037	hyper	sig	chr16_86513176
chr19	45398294	45398294	+	1.455E-15	2.0056E-14	0.25615	hyper	sig	chr19_45398294
chr12	53931134	53931134	+	1.457E-15	2.0083E-14	0.245945	hyper	sig	chr12_53931134
chr9	1.31E+08	130662891	+	1.457E-15	2.0087E-14	0.203512	hyper	sig	chr9_130662891
chr1	2.28E+08	228470696	+	1.457E-15	2.0089E-14	0.309216	hyper	sig	chr1_228470696
chr6	1.58E+08	158322978	+	1.457E-15	2.0092E-14	-0.24228	hypo	sig	chr6_158322978

chr11	2460691	2460691	+	1.458E-15	2.0094E-14	-0.22927	hypo	sig	chr11_2460691
chr1	2318713	2318713	+	1.458E-15	2.0099E-14	0.273083	hyper	sig	chr1_2318713
chr1	9322819	9322819	+	1.46E-15	2.0121E-14	0.257959	hyper	sig	chr1_9322819
chr7	1158886	1158886	+	1.46E-15	2.0122E-14	-0.31968	hypo	sig	chr7_1158886
chr6	1.67E+08	167396520	+	1.46E-15	2.0124E-14	-0.22396	hypo	sig	chr6_167396520
chr11	856992	856992	+	1.46E-15	2.0126E-14	-0.24402	hypo	sig	chr11_856992
chr20	38725122	38725122	+	1.46E-15	2.0128E-14	0.35726	hyper	sig	chr20_38725122
chr3	25573115	25573115	+	1.461E-15	2.0136E-14	-0.29537	hypo	sig	chr3_25573115
chr7	1312018	1312018	+	1.461E-15	2.0137E-14	-0.23453	hypo	sig	chr7_1312018
chr5	1.81E+08	180602970	+	1.461E-15	2.0139E-14	-0.34439	hypo	sig	chr5_180602970
chr9	1.25E+08	124505358	+	1.461E-15	2.0139E-14	0.274476	hyper	sig	chr9_124505358
chr12	34603486	34603486	+	1.462E-15	2.0146E-14	-0.25982	hypo	sig	chr12_34603486
chr16	51150029	51150029	+	1.463E-15	2.0164E-14	0.353602	hyper	sig	chr16_51150029
chr15	61227349	61227349	+	1.463E-15	2.0168E-14	0.21377	hyper	sig	chr15_61227349
chr16	86494740	86494740	+	1.464E-15	2.0176E-14	0.260664	hyper	sig	chr16_86494740
chr8	1.44E+08	144336097	+	1.464E-15	2.018E-14	0.307069	hyper	sig	chr8_144336097
chr5	73301408	73301408	+	1.465E-15	2.0186E-14	0.288749	hyper	sig	chr5_73301408
chr2	1.24E+08	124024721	+	1.465E-15	2.0193E-14	0.360546	hyper	sig	chr2_124024721
chr1	1442145	1442145	+	1.466E-15	2.0209E-14	0.237445	hyper	sig	chr1_1442145
chr11	1.03E+08	102767938	+	1.467E-15	2.0212E-14	0.248241	hyper	sig	chr11_102767938
chr16	970098	970098	+	1.469E-15	2.0248E-14	0.246774	hyper	sig	chr16_970098
chr17	52159162	52159162	+	1.47E-15	2.0258E-14	0.221328	hyper	sig	chr17_52159162
chr3	1.98E+08	198109021	+	1.471E-15	2.027E-14	-0.22651	hypo	sig	chr3_198109021
chr12	57236620	57236620	+	1.472E-15	2.0284E-14	0.274182	hyper	sig	chr12_57236620
chr1	2.07E+08	207453017	+	1.472E-15	2.0286E-14	-0.21422	hypo	sig	chr1_207453017
chr9	1.37E+08	136665382	+	1.473E-15	2.0291E-14	0.205208	hyper	sig	chr9_136665382
chr6	70957426	70957426	+	1.473E-15	2.0292E-14	0.253025	hyper	sig	chr6_70957426
chr2	3647522	3647522	+	1.474E-15	2.0315E-14	-0.28329	hypo	sig	chr2_3647522
chr16	35577913	35577913	+	1.475E-15	2.0322E-14	-0.25801	hypo	sig	chr16_35577913
chr10	47299918	47299918	+	1.475E-15	2.0325E-14	0.33088	hyper	sig	chr10_47299918
chr7	1.52E+08	151844982	+	1.476E-15	2.0334E-14	-0.21328	hypo	sig	chr7_151844982
chr16	88206327	88206327	+	1.476E-15	2.0335E-14	-0.29118	hypo	sig	chr16_88206327
chr20	26206272	26206272	+	1.476E-15	2.0335E-14	-0.28897	hypo	sig	chr20_26206272
chr17	27293586	27293586	+	1.477E-15	2.0344E-14	-0.28318	hypo	sig	chr17_27293586
chr1	1.96E+08	195722031	+	1.477E-15	2.0346E-14	-0.29334	hypo	sig	chr1_195722031
chr3	1.58E+08	158095031	+	1.477E-15	2.0352E-14	0.296036	hyper	sig	chr3_158095031
chr3	42686327	42686327	+	1.477E-15	2.0353E-14	0.304974	hyper	sig	chr3_42686327
chr4	1.34E+08	134201255	+	1.478E-15	2.0355E-14	0.317787	hyper	sig	chr4_134201255
chr2	73291656	73291656	+	1.478E-15	2.036E-14	0.272679	hyper	sig	chr2_73291656
chr6	31546149	31546149	+	1.478E-15	2.0361E-14	0.298446	hyper	sig	chr6_31546149
chr2	73983730	73983730	+	1.479E-15	2.0374E-14	-0.22091	hypo	sig	chr2_73983730
chr1	21862100	21862100	+	1.479E-15	2.0376E-14	0.224936	hyper	sig	chr1_21862100
chr12	19941484	19941484	+	1.48E-15	2.0387E-14	-0.21132	hypo	sig	chr12_19941484
chr6	1.06E+08	105981247	+	1.48E-15	2.0389E-14	0.288036	hyper	sig	chr6_105981247
chr5	1.69E+08	169301228	+	1.481E-15	2.0406E-14	0.328515	hyper	sig	chr5_169301228
chr12	1.2E+08	120397841	+	1.483E-15	2.0425E-14	0.280584	hyper	sig	chr12_120397841
chr11	6570913	6570913	+	1.483E-15	2.0427E-14	0.294909	hyper	sig	chr11_6570913
chr7	1.57E+08	157078439	+	1.485E-15	2.046E-14	0.264786	hyper	sig	chr7_157078439
chr12	2057684	2057684	+	1.485E-15	2.046E-14	0.286734	hyper	sig	chr12_2057684
chr7	1810696	1810696	+	1.487E-15	2.0481E-14	0.267187	hyper	sig	chr7_1810696
chr13	94708084	94708084	+	1.488E-15	2.0492E-14	0.204304	hyper	sig	chr13_94708084
chr11	1.29E+08	128694264	+	1.488E-15	2.0492E-14	0.244876	hyper	sig	chr11_128694264
chr2	2.42E+08	241878438	+	1.488E-15	2.0496E-14	0.251408	hyper	sig	chr2_241878438
chr19	40614000	40614000	+	1.489E-15	2.05E-14	0.251914	hyper	sig	chr19_40614000
chr5	1.72E+08	171667802	+	1.489E-15	2.051E-14	0.280274	hyper	sig	chr5_171667802
chr15	67175408	67175408	+	1.49E-15	2.0515E-14	-0.24685	hypo	sig	chr15_67175408

chr13	36432592	36432592	+	1.49E-15	2.052E-14	0.312764	hyper	sig	chr13_36432592
chr5	42924135	42924135	+	1.492E-15	2.055E-14	0.246693	hyper	sig	chr5_42924135
chr7	1.17E+08	117322867	+	1.493E-15	2.0554E-14	0.328262	hyper	sig	chr7_117322867
chr3	1.83E+08	183255041	+	1.496E-15	2.0603E-14	-0.35112	hypo	sig	chr3_183255041
chr11	1.32E+08	131910501	+	1.496E-15	2.0605E-14	0.282321	hyper	sig	chr11_131910501
chr14	67541893	67541893	+	1.497E-15	2.0608E-14	-0.25338	hypo	sig	chr14_67541893
chr12	57842615	57842615	+	1.497E-15	2.0611E-14	0.204757	hyper	sig	chr12_57842615
chr1	1163043	1163043	+	1.497E-15	2.0612E-14	-0.23382	hypo	sig	chr1_1163043
chr20	61954745	61954745	+	1.497E-15	2.0614E-14	-0.34671	hypo	sig	chr20_61954745
chr18	44744666	44744666	+	1.499E-15	2.0634E-14	0.269196	hyper	sig	chr18_44744666
chr17	44053409	44053409	+	1.499E-15	2.0643E-14	0.246991	hyper	sig	chr17_44053409
chr1	1.81E+08	181024314	+	1.499E-15	2.0644E-14	-0.25346	hypo	sig	chr1_181024314
chr12	80714175	80714175	+	1.501E-15	2.0662E-14	0.254412	hyper	sig	chr12_80714175
chr2	3607034	3607034	+	1.501E-15	2.0667E-14	0.301978	hyper	sig	chr2_3607034
chr1	2267448	2267448	+	1.503E-15	2.0686E-14	0.229767	hyper	sig	chr1_2267448
chr16	3029759	3029759	+	1.503E-15	2.0693E-14	0.251057	hyper	sig	chr16_3029759
chr15	79283077	79283077	+	1.504E-15	2.0708E-14	0.254717	hyper	sig	chr15_79283077
chr10	1.25E+08	125152464	+	1.504E-15	2.0711E-14	-0.26623	hypo	sig	chr10_125152464
chr10	1.33E+08	132942219	+	1.504E-15	2.0711E-14	0.258625	hyper	sig	chr10_132942219
chr21	45295081	45295081	+	1.505E-15	2.0715E-14	0.247662	hyper	sig	chr21_45295081
chr1	24535223	24535223	+	1.506E-15	2.0726E-14	-0.25457	hypo	sig	chr1_24535223
chr2	1.71E+08	170820394	+	1.506E-15	2.0726E-14	0.202236	hyper	sig	chr2_170820394
chr5	525673	525673	+	1.506E-15	2.0728E-14	0.365476	hyper	sig	chr5_525673
chr13	1.13E+08	113364789	+	1.506E-15	2.073E-14	0.314286	hyper	sig	chr13_113364789
chr10	1.19E+08	118595185	+	1.507E-15	2.0743E-14	0.277816	hyper	sig	chr10_118595185
chr12	49091335	49091335	+	1.508E-15	2.0762E-14	0.215641	hyper	sig	chr12_49091335
chr3	1.28E+08	128279143	+	1.509E-15	2.0775E-14	0.331354	hyper	sig	chr3_128279143
chr1	1.57E+08	156647077	+	1.51E-15	2.078E-14	0.257736	hyper	sig	chr1_156647077
chr7	1.44E+08	143885484	+	1.511E-15	2.0794E-14	0.275098	hyper	sig	chr7_143885484
chr11	20162641	20162641	+	1.513E-15	2.0825E-14	0.281253	hyper	sig	chr11_20162641
chr17	81647881	81647881	+	1.513E-15	2.0825E-14	0.27489	hyper	sig	chr17_81647881
chr6	57800274	57800274	+	1.513E-15	2.0826E-14	0.257759	hyper	sig	chr6_57800274
chr20	23048637	23048637	+	1.514E-15	2.0838E-14	0.234879	hyper	sig	chr20_23048637
chr12	29783148	29783148	+	1.515E-15	2.0847E-14	0.329072	hyper	sig	chr12_29783148
chr6	77463449	77463449	+	1.516E-15	2.0855E-14	0.316325	hyper	sig	chr6_77463449
chr16	84819083	84819083	+	1.519E-15	2.09E-14	-0.27003	hypo	sig	chr16_84819083
chr4	13540276	13540276	+	1.519E-15	2.0907E-14	0.236819	hyper	sig	chr4_13540276
chr1	90725444	90725444	+	1.52E-15	2.0916E-14	0.23629	hyper	sig	chr1_90725444
chr8	1.41E+08	140578019	+	1.521E-15	2.0928E-14	0.233783	hyper	sig	chr8_140578019
chr1	1.11E+08	110608549	+	1.522E-15	2.0938E-14	0.294015	hyper	sig	chr1_110608549
chr12	1.08E+08	108130034	+	1.522E-15	2.0943E-14	0.281351	hyper	sig	chr12_108130034
chr5	33936066	33936066	+	1.522E-15	2.0946E-14	0.21505	hyper	sig	chr5_33936066
chr12	1.3E+08	130452756	+	1.523E-15	2.0948E-14	-0.31221	hypo	sig	chr12_130452756
chr11	43577452	43577452	+	1.523E-15	2.0956E-14	0.227915	hyper	sig	chr11_43577452
chr2	61144923	61144923	+	1.526E-15	2.099E-14	0.222974	hyper	sig	chr2_61144923
chr16	86575351	86575351	+	1.526E-15	2.0996E-14	0.211614	hyper	sig	chr16_86575351
chr1	2.45E+08	245301568	+	1.526E-15	2.0996E-14	0.271745	hyper	sig	chr1_245301568
chr6	50843132	50843132	+	1.526E-15	2.0998E-14	0.249555	hyper	sig	chr6_50843132
chr16	3029827	3029827	+	1.527E-15	2.101E-14	0.278736	hyper	sig	chr16_3029827
chr2	1.97E+08	196592495	+	1.528E-15	2.1015E-14	0.242519	hyper	sig	chr2_196592495
chr20	58466238	58466238	+	1.528E-15	2.1024E-14	-0.27196	hypo	sig	chr20_58466238
chr4	41866167	41866167	+	1.529E-15	2.1037E-14	0.301222	hyper	sig	chr4_41866167
chr5	1003030	1003030	+	1.529E-15	2.1037E-14	-0.26017	hypo	sig	chr5_1003030
chr19	18878136	18878136	+	1.53E-15	2.1044E-14	-0.28728	hypo	sig	chr19_18878136
chr13	1.11E+08	111422563	+	1.53E-15	2.1046E-14	-0.27002	hypo	sig	chr13_111422563
chr12	1.15E+08	114687786	+	1.53E-15	2.1048E-14	0.236235	hyper	sig	chr12_114687786

chr12	55929336	55929336	+	1.53E-15	2.1049E-14	-0.22692	hypo	sig	chr12_55929336
chr12	1.24E+08	124429127	+	1.531E-15	2.1055E-14	0.344155	hyper	sig	chr12_124429127
chr20	34863432	34863432	+	1.532E-15	2.1065E-14	0.224462	hyper	sig	chr20_34863432
chr2	1.83E+08	182867172	+	1.532E-15	2.1075E-14	0.222019	hyper	sig	chr2_182867172
chr15	79433298	79433298	+	1.533E-15	2.1079E-14	0.269354	hyper	sig	chr15_79433298
chr4	4871548	4871548	+	1.533E-15	2.1084E-14	0.240733	hyper	sig	chr4_4871548
chr12	1.04E+08	104294314	+	1.533E-15	2.1087E-14	0.279866	hyper	sig	chr12_104294314
chr5	1.41E+08	141215506	+	1.534E-15	2.1095E-14	0.279221	hyper	sig	chr5_141215506
chr16	3193483	3193483	+	1.535E-15	2.1106E-14	0.306287	hyper	sig	chr16_3193483
chr4	6664015	6664015	+	1.535E-15	2.1109E-14	0.334475	hyper	sig	chr4_6664015
chr11	18209192	18209192	+	1.535E-15	2.1109E-14	0.355773	hyper	sig	chr11_18209192
chr12	1.3E+08	130017923	+	1.535E-15	2.111E-14	0.238871	hyper	sig	chr12_130017923
chr5	1.76E+08	175796494	+	1.535E-15	2.1111E-14	0.216071	hyper	sig	chr5_175796494
chr6	32845188	32845188	+	1.535E-15	2.1114E-14	-0.25154	hypo	sig	chr6_32845188
chr17	81517327	81517327	+	1.535E-15	2.1114E-14	0.287038	hyper	sig	chr17_81517327
chr2	85668237	85668237	+	1.537E-15	2.1129E-14	-0.28354	hypo	sig	chr2_85668237
chr14	21096571	21096571	+	1.538E-15	2.1151E-14	0.274909	hyper	sig	chr14_21096571
chr2	497091	497091	+	1.54E-15	2.1172E-14	-0.25995	hypo	sig	chr2_497091
chr1	2.27E+08	226663117	+	1.54E-15	2.1177E-14	0.213512	hyper	sig	chr1_226663117
chr7	1.43E+08	142864355	+	1.541E-15	2.119E-14	-0.35088	hypo	sig	chr7_142864355
chr16	86931971	86931971	+	1.542E-15	2.1201E-14	0.306026	hyper	sig	chr16_86931971
chr6	1.05E+08	104941607	+	1.542E-15	2.1201E-14	0.296191	hyper	sig	chr6_104941607
chr16	268688	268688	+	1.542E-15	2.1202E-14	-0.29573	hypo	sig	chr16_268688
chr4	65668509	65668509	+	1.543E-15	2.1211E-14	0.242637	hyper	sig	chr4_65668509
chr8	1.44E+08	143961002	+	1.543E-15	2.1211E-14	0.246968	hyper	sig	chr8_143961002
chr1	2.28E+08	228006420	+	1.543E-15	2.1213E-14	0.293449	hyper	sig	chr1_228006420
chr20	21704861	21704861	+	1.544E-15	2.1228E-14	0.347444	hyper	sig	chr20_21704861
chr2	5696224	5696224	+	1.545E-15	2.1241E-14	0.327327	hyper	sig	chr2_5696224
chr10	47375397	47375397	+	1.546E-15	2.1253E-14	0.291949	hyper	sig	chr10_47375397
chr10	1.01E+08	101242305	+	1.547E-15	2.1261E-14	0.333099	hyper	sig	chr10_101242305
chr1	11526198	11526198	+	1.548E-15	2.1283E-14	-0.28353	hypo	sig	chr1_11526198
chr3	1.32E+08	132033857	+	1.549E-15	2.1296E-14	0.233047	hyper	sig	chr3_132033857
chr21	46033954	46033954	+	1.549E-15	2.1299E-14	0.281671	hyper	sig	chr21_46033954
chr1	26863608	26863608	+	1.55E-15	2.1303E-14	-0.23947	hypo	sig	chr1_26863608
chr1	2.01E+08	201489579	+	1.55E-15	2.1309E-14	0.302905	hyper	sig	chr1_201489579
chr1	1.54E+08	154323702	+	1.551E-15	2.1314E-14	-0.24405	hypo	sig	chr1_154323702
chr11	1.16E+08	115659783	+	1.552E-15	2.1328E-14	0.230899	hyper	sig	chr11_115659783
chr22	36458024	36458024	+	1.553E-15	2.1348E-14	0.25997	hyper	sig	chr22_36458024
chr12	6375031	6375031	+	1.553E-15	2.1351E-14	-0.29778	hypo	sig	chr12_6375031
chr12	84910767	84910767	+	1.554E-15	2.1362E-14	0.284672	hyper	sig	chr12_84910767
chr4	41748473	41748473	+	1.555E-15	2.1378E-14	0.229087	hyper	sig	chr4_41748473
chr11	65590567	65590567	+	1.556E-15	2.138E-14	0.251867	hyper	sig	chr11_65590567
chr17	79981563	79981563	+	1.558E-15	2.1408E-14	0.226544	hyper	sig	chr17_79981563
chr16	85652395	85652395	+	1.561E-15	2.1451E-14	0.301766	hyper	sig	chr16_85652395
chr2	1.24E+08	124025635	+	1.561E-15	2.1451E-14	0.356677	hyper	sig	chr2_124025635
chr17	50781437	50781437	+	1.562E-15	2.1461E-14	0.257708	hyper	sig	chr17_50781437
chr19	3672187	3672187	+	1.564E-15	2.1495E-14	0.260393	hyper	sig	chr19_3672187
chr19	13962468	13962468	+	1.565E-15	2.1509E-14	0.294081	hyper	sig	chr19_13962468
chr19	45815283	45815283	+	1.566E-15	2.1521E-14	0.315476	hyper	sig	chr19_45815283
chr4	21949349	21949349	+	1.567E-15	2.1532E-14	0.225586	hyper	sig	chr4_21949349
chr1	6244439	6244439	+	1.567E-15	2.1535E-14	0.221235	hyper	sig	chr1_6244439
chr7	1.28E+08	128454755	+	1.568E-15	2.1548E-14	0.252732	hyper	sig	chr7_128454755
chr6	27593372	27593372	+	1.569E-15	2.1554E-14	0.261023	hyper	sig	chr6_27593372
chr6	1.5E+08	150035562	+	1.57E-15	2.1569E-14	-0.28885	hypo	sig	chr6_150035562
chr12	1.08E+08	107775262	+	1.57E-15	2.1572E-14	0.248147	hyper	sig	chr12_107775262
chr5	3597578	3597578	+	1.571E-15	2.1578E-14	0.253817	hyper	sig	chr5_3597578

chr13	34943564	34943564	+	1.572E-15	2.1596E-14	0.280514	hyper	sig	chr13_34943564
chr16	88898378	88898378	+	1.572E-15	2.1596E-14	-0.2811	hypo	sig	chr16_88898378
chr12	1533532	1533532	+	1.572E-15	2.1602E-14	-0.24035	hypo	sig	chr12_1533532
chr19	2242122	2242122	+	1.572E-15	2.1602E-14	-0.27858	hypo	sig	chr19_2242122
chr16	3161480	3161480	+	1.573E-15	2.1603E-14	-0.25763	hypo	sig	chr16_3161480
chr2	11656938	11656938	+	1.573E-15	2.161E-14	-0.31851	hypo	sig	chr2_11656938
chr1	1.08E+08	107964527	+	1.573E-15	2.1615E-14	0.208194	hyper	sig	chr1_107964527
chr14	1.01E+08	101457049	+	1.575E-15	2.1636E-14	0.200139	hyper	sig	chr14_101457049
chr21	36702710	36702710	+	1.575E-15	2.1638E-14	0.277699	hyper	sig	chr21_36702710
chr1	1.56E+08	156161422	+	1.577E-15	2.1657E-14	0.220141	hyper	sig	chr1_156161422
chr16	12903645	12903645	+	1.578E-15	2.1677E-14	0.282483	hyper	sig	chr16_12903645
chr14	1.03E+08	102928018	+	1.579E-15	2.1686E-14	-0.24015	hypo	sig	chr14_102928018
chr7	1.49E+08	149229859	+	1.579E-15	2.1694E-14	-0.31572	hypo	sig	chr7_149229859
chr6	28635515	28635515	+	1.58E-15	2.1705E-14	0.295427	hyper	sig	chr6_28635515
chr15	41917960	41917960	+	1.581E-15	2.1708E-14	-0.24319	hypo	sig	chr15_41917960
chr5	1.41E+08	141210173	+	1.582E-15	2.1731E-14	0.284166	hyper	sig	chr5_141210173
chr8	1.17E+08	116530423	+	1.582E-15	2.1731E-14	-0.27995	hypo	sig	chr8_116530423
chr6	37649069	37649069	+	1.582E-15	2.1733E-14	0.31612	hyper	sig	chr6_37649069
chr17	80823163	80823163	+	1.583E-15	2.1746E-14	-0.31579	hypo	sig	chr17_80823163
chr8	41665291	41665291	+	1.584E-15	2.1748E-14	-0.2684	hypo	sig	chr8_41665291
chr16	63617649	63617649	+	1.584E-15	2.175E-14	0.28309	hyper	sig	chr16_63617649
chr19	40568041	40568041	+	1.584E-15	2.175E-14	0.317806	hyper	sig	chr19_40568041
chr9	1.38E+08	137837100	+	1.584E-15	2.1755E-14	0.217117	hyper	sig	chr9_137837100
chr17	49963919	49963919	+	1.584E-15	2.1757E-14	0.359382	hyper	sig	chr17_49963919
chr15	47184864	47184864	+	1.585E-15	2.1761E-14	0.248673	hyper	sig	chr15_47184864
chr9	98121311	98121311	+	1.585E-15	2.1768E-14	-0.24959	hypo	sig	chr9_98121311
chr13	1.12E+08	112331774	+	1.586E-15	2.1772E-14	0.335325	hyper	sig	chr13_112331774
chr10	42368060	42368060	+	1.59E-15	2.183E-14	0.277853	hyper	sig	chr10_42368060
chr17	39599866	39599866	+	1.591E-15	2.1841E-14	0.209002	hyper	sig	chr17_39599866
chr8	1.08E+08	108082039	+	1.592E-15	2.1863E-14	0.224707	hyper	sig	chr8_108082039
chr7	1.57E+08	157297305	+	1.593E-15	2.1878E-14	-0.21671	hypo	sig	chr7_157297305
chr15	78871730	78871730	+	1.594E-15	2.189E-14	-0.23371	hypo	sig	chr15_78871730
chr12	1.24E+08	124426710	+	1.595E-15	2.1892E-14	0.261777	hyper	sig	chr12_124426710
chr4	89836504	89836504	+	1.595E-15	2.1893E-14	0.23363	hyper	sig	chr4_89836504
chr19	50358747	50358747	+	1.597E-15	2.193E-14	0.225322	hyper	sig	chr19_50358747
chr11	2300612	2300612	+	1.598E-15	2.1935E-14	-0.21669	hypo	sig	chr11_2300612
chr17	39165268	39165268	+	1.599E-15	2.1952E-14	0.316731	hyper	sig	chr17_39165268
chr2	2.42E+08	241804173	+	1.599E-15	2.1956E-14	0.269906	hyper	sig	chr2_241804173
chr2	3779041	3779041	+	1.6E-15	2.1969E-14	-0.26766	hypo	sig	chr2_3779041
chr7	19117940	19117940	+	1.602E-15	2.1996E-14	0.345563	hyper	sig	chr7_19117940
chr12	1.14E+08	114408626	+	1.604E-15	2.2017E-14	0.253792	hyper	sig	chr12_114408626
chr2	2.32E+08	232381737	+	1.606E-15	2.2048E-14	0.215948	hyper	sig	chr2_232381737
chr19	17766967	17766967	+	1.607E-15	2.2052E-14	0.206391	hyper	sig	chr19_17766967
chr3	35640120	35640120	+	1.607E-15	2.2058E-14	0.242319	hyper	sig	chr3_35640120
chr12	1.14E+08	114396032	+	1.607E-15	2.2061E-14	0.233389	hyper	sig	chr12_114396032
chr11	65607636	65607636	+	1.608E-15	2.2072E-14	0.251872	hyper	sig	chr11_65607636
chr11	1.23E+08	122980044	+	1.609E-15	2.208E-14	0.295936	hyper	sig	chr11_122980044
chr11	31797609	31797609	+	1.61E-15	2.2089E-14	0.264338	hyper	sig	chr11_31797609
chr10	1.3E+08	129887927	+	1.61E-15	2.2095E-14	-0.21113	hypo	sig	chr10_129887927
chr20	63962361	63962361	+	1.611E-15	2.211E-14	-0.33693	hypo	sig	chr20_63962361
chr5	1.21E+08	120936992	+	1.611E-15	2.2113E-14	-0.24012	hypo	sig	chr5_120936992
chr1	7784821	7784821	+	1.611E-15	2.2115E-14	0.293237	hyper	sig	chr1_7784821
chr17	81461083	81461083	+	1.612E-15	2.2128E-14	-0.27077	hypo	sig	chr17_81461083
chr20	23048334	23048334	+	1.613E-15	2.213E-14	0.241883	hyper	sig	chr20_23048334
chr12	1.03E+08	102950728	+	1.613E-15	2.2137E-14	0.2412	hyper	sig	chr12_102950728
chr5	1.41E+08	141355488	+	1.615E-15	2.2155E-14	0.233101	hyper	sig	chr5_141355488

chr10	84237408	84237408	+	1.615E-15	2.2157E-14	0.280462	hyper	sig	chr10_84237408
chr6	1400283	1400283	+	1.615E-15	2.2162E-14	-0.22879	hypo	sig	chr6_1400283
chr20	23048694	23048694	+	1.616E-15	2.2176E-14	0.249781	hyper	sig	chr20_23048694
chr19	48196615	48196615	+	1.619E-15	2.2209E-14	-0.2564	hypo	sig	chr19_48196615
chr8	1.43E+08	142638617	+	1.619E-15	2.2217E-14	-0.29044	hypo	sig	chr8_142638617
chr10	1.32E+08	132066259	+	1.62E-15	2.2221E-14	0.221345	hyper	sig	chr10_132066259
chr2	1.71E+08	170717393	+	1.62E-15	2.2223E-14	0.307401	hyper	sig	chr2_170717393
chr5	1.78E+08	178465882	+	1.62E-15	2.2226E-14	-0.23784	hypo	sig	chr5_178465882
chr19	4539931	4539931	+	1.62E-15	2.2226E-14	-0.21241	hypo	sig	chr19_4539931
chr9	1.05E+08	104928463	+	1.62E-15	2.2226E-14	0.298441	hyper	sig	chr9_104928463
chr7	4111121	4111121	+	1.621E-15	2.224E-14	-0.32202	hypo	sig	chr7_4111121
chr16	51133944	51133944	+	1.621E-15	2.2242E-14	0.252824	hyper	sig	chr16_51133944
chr7	1.58E+08	158450854	+	1.621E-15	2.2244E-14	-0.23723	hypo	sig	chr7_158450854
chr22	40679669	40679669	+	1.624E-15	2.2273E-14	0.27214	hyper	sig	chr22_40679669
chr17	62138040	62138040	+	1.624E-15	2.2273E-14	0.243035	hyper	sig	chr17_62138040
chr10	1648854	1648854	+	1.624E-15	2.2281E-14	-0.24401	hypo	sig	chr10_1648854
chr14	1.05E+08	104605061	+	1.624E-15	2.2284E-14	0.262511	hyper	sig	chr14_104605061
chr20	9515934	9515934	+	1.625E-15	2.2284E-14	0.264879	hyper	sig	chr20_9515934
chr8	64575622	64575622	+	1.625E-15	2.2285E-14	0.258702	hyper	sig	chr8_64575622
chr13	78607519	78607519	+	1.625E-15	2.2285E-14	0.223787	hyper	sig	chr13_78607519
chr5	1099589	1099589	+	1.625E-15	2.2296E-14	0.27418	hyper	sig	chr5_1099589
chr20	52973328	52973328	+	1.626E-15	2.2298E-14	0.211124	hyper	sig	chr20_52973328
chr11	44309621	44309621	+	1.626E-15	2.2303E-14	0.24043	hyper	sig	chr11_44309621
chr5	1.41E+08	141330972	+	1.626E-15	2.2304E-14	0.215198	hyper	sig	chr5_141330972
chr20	21713675	21713675	+	1.627E-15	2.2313E-14	0.232574	hyper	sig	chr20_21713675
chr9	98709903	98709903	+	1.627E-15	2.2316E-14	0.245755	hyper	sig	chr9_98709903
chr22	19016432	19016432	+	1.627E-15	2.2316E-14	-0.25705	hypo	sig	chr22_19016432
chr3	10141209	10141209	+	1.628E-15	2.2326E-14	-0.20932	hypo	sig	chr3_10141209
chr12	57736564	57736564	+	1.628E-15	2.2327E-14	0.289596	hyper	sig	chr12_57736564
chr2	1.42E+08	142130302	+	1.628E-15	2.2327E-14	0.209775	hyper	sig	chr2_142130302
chr17	76000166	76000166	+	1.628E-15	2.2333E-14	0.253899	hyper	sig	chr17_76000166
chr19	1005329	1005329	+	1.628E-15	2.2333E-14	-0.23854	hypo	sig	chr19_1005329
chr10	1.34E+08	133529717	+	1.629E-15	2.2335E-14	0.275395	hyper	sig	chr10_133529717
chr2	2.35E+08	234999170	+	1.63E-15	2.2348E-14	0.205208	hyper	sig	chr2_234999170
chr10	1.24E+08	123974475	+	1.63E-15	2.2353E-14	-0.26624	hypo	sig	chr10_123974475
chr1	16141818	16141818	+	1.63E-15	2.2354E-14	0.273328	hyper	sig	chr1_16141818
chr15	25863586	25863586	+	1.631E-15	2.2361E-14	0.244487	hyper	sig	chr15_25863586
chr5	3843996	3843996	+	1.632E-15	2.2373E-14	0.248389	hyper	sig	chr5_3843996
chr5	1.81E+08	181195531	+	1.632E-15	2.2378E-14	0.276714	hyper	sig	chr5_181195531
chr7	1.29E+08	128841234	+	1.633E-15	2.2392E-14	-0.31883	hypo	sig	chr7_128841234
chr7	35538900	35538900	+	1.633E-15	2.2395E-14	-0.3112	hypo	sig	chr7_35538900
chr8	11474218	11474218	+	1.634E-15	2.2397E-14	-0.27816	hypo	sig	chr8_11474218
chr19	38813362	38813362	+	1.634E-15	2.2397E-14	-0.30451	hypo	sig	chr19_38813362
chr19	46079143	46079143	+	1.634E-15	2.2402E-14	0.271408	hyper	sig	chr19_46079143
chr5	1.5E+08	150166524	+	1.634E-15	2.2409E-14	-0.30497	hypo	sig	chr5_150166524
chr10	1.23E+08	123143291	+	1.635E-15	2.2409E-14	0.347073	hyper	sig	chr10_123143291
chr1	1.8E+08	179743146	+	1.635E-15	2.2413E-14	0.218228	hyper	sig	chr1_179743146
chr6	1.68E+08	168079172	+	1.636E-15	2.2428E-14	-0.25887	hypo	sig	chr6_168079172
chr11	28512389	28512389	+	1.636E-15	2.2429E-14	-0.28322	hypo	sig	chr11_28512389
chr9	1.36E+08	136107371	+	1.636E-15	2.2434E-14	-0.22937	hypo	sig	chr9_136107371
chr16	68642828	68642828	+	1.637E-15	2.2441E-14	0.298077	hyper	sig	chr16_68642828
chr19	3368398	3368398	+	1.638E-15	2.2454E-14	0.254342	hyper	sig	chr19_3368398
chr7	37448873	37448873	+	1.639E-15	2.247E-14	0.237641	hyper	sig	chr7_37448873
chr2	2.06E+08	205686525	+	1.64E-15	2.2479E-14	0.240032	hyper	sig	chr2_205686525
chr6	1.18E+08	117920323	+	1.64E-15	2.2479E-14	0.239325	hyper	sig	chr6_117920323
chr5	2289128	2289128	+	1.64E-15	2.2482E-14	-0.27072	hypo	sig	chr5_2289128

chr19	40422771	40422771	+	1.64E-15	2.2482E-14	0.270049	hyper	sig	chr19_40422771
chr10	26212129	26212129	+	1.641E-15	2.2496E-14	0.305183	hyper	sig	chr10_26212129
chr9	95086160	95086160	+	1.642E-15	2.2502E-14	0.242359	hyper	sig	chr9_95086160
chr8	38268347	38268347	+	1.643E-15	2.2518E-14	0.21084	hyper	sig	chr8_38268347
chr11	61554851	61554851	+	1.644E-15	2.2527E-14	0.268115	hyper	sig	chr11_61554851
chr15	23897853	23897853	+	1.645E-15	2.2547E-14	0.306283	hyper	sig	chr15_23897853
chr6	27864372	27864372	+	1.645E-15	2.2551E-14	0.231321	hyper	sig	chr6_27864372
chr7	4833443	4833443	+	1.647E-15	2.257E-14	-0.22719	hypo	sig	chr7_4833443
chr7	43444313	43444313	+	1.647E-15	2.2573E-14	-0.26941	hypo	sig	chr7_43444313
chr7	1.58E+08	157847189	+	1.647E-15	2.2573E-14	-0.31092	hypo	sig	chr7_157847189
chr19	58118358	58118358	+	1.648E-15	2.2581E-14	0.287013	hyper	sig	chr19_58118358
chr11	1453566	1453566	+	1.648E-15	2.2589E-14	0.247537	hyper	sig	chr11_1453566
chr1	3227211	3227211	+	1.65E-15	2.2608E-14	0.250191	hyper	sig	chr1_3227211
chr7	3044443	3044443	+	1.65E-15	2.2608E-14	-0.27102	hypo	sig	chr7_3044443
chr11	1.29E+08	129372723	+	1.65E-15	2.2617E-14	0.34809	hyper	sig	chr11_129372723
chr3	36764718	36764718	+	1.651E-15	2.2623E-14	0.322485	hyper	sig	chr3_36764718
chr1	2.01E+08	201422499	+	1.651E-15	2.2628E-14	-0.22683	hypo	sig	chr1_201422499
chr17	50835184	50835184	+	1.652E-15	2.2642E-14	0.233254	hyper	sig	chr17_50835184
chr4	73998553	73998553	+	1.653E-15	2.2647E-14	0.225283	hyper	sig	chr4_73998553
chr18	2917511	2917511	+	1.653E-15	2.2653E-14	-0.23313	hypo	sig	chr18_2917511
chr2	2.4E+08	240324759	+	1.654E-15	2.2666E-14	-0.245	hypo	sig	chr2_240324759
chr11	1.23E+08	123431350	+	1.655E-15	2.2673E-14	0.228291	hyper	sig	chr11_123431350
chr1	2.07E+08	206675044	+	1.655E-15	2.2681E-14	0.21162	hyper	sig	chr1_206675044
chr16	1038451	1038451	+	1.657E-15	2.2707E-14	-0.25563	hypo	sig	chr16_1038451
chr1	2.28E+08	228470025	+	1.658E-15	2.2712E-14	0.230514	hyper	sig	chr1_228470025
chr3	14564330	14564330	+	1.658E-15	2.2716E-14	-0.28544	hypo	sig	chr3_14564330
chr17	81685265	81685265	+	1.66E-15	2.2743E-14	-0.22214	hypo	sig	chr17_81685265
chr16	30948194	30948194	+	1.66E-15	2.2746E-14	0.247356	hyper	sig	chr16_30948194
chr1	47434703	47434703	+	1.661E-15	2.2749E-14	0.296934	hyper	sig	chr1_47434703
chr7	2638662	2638662	+	1.661E-15	2.2758E-14	0.255958	hyper	sig	chr7_2638662
chr16	87885913	87885913	+	1.662E-15	2.2766E-14	-0.26561	hypo	sig	chr16_87885913
chr2	99594193	99594193	+	1.662E-15	2.2769E-14	-0.27647	hypo	sig	chr2_99594193
chr11	65607529	65607529	+	1.663E-15	2.2783E-14	0.246146	hyper	sig	chr11_65607529
chr3	1.38E+08	137763367	+	1.663E-15	2.2783E-14	0.295508	hyper	sig	chr3_137763367
chr19	33775114	33775114	+	1.663E-15	2.2784E-14	-0.24908	hypo	sig	chr19_33775114
chr19	30224688	30224688	+	1.664E-15	2.2787E-14	0.216747	hyper	sig	chr19_30224688
chr6	1.5E+08	149954576	+	1.664E-15	2.2789E-14	0.20565	hyper	sig	chr6_149954576
chr1	1.19E+08	118979786	+	1.664E-15	2.2789E-14	0.272841	hyper	sig	chr1_118979786
chr8	1.45E+08	144699873	+	1.664E-15	2.2792E-14	0.253064	hyper	sig	chr8_144699873
chr12	1.14E+08	114445509	+	1.665E-15	2.2797E-14	0.217121	hyper	sig	chr12_114445509
chr6	1.67E+08	166671995	+	1.665E-15	2.2808E-14	-0.23067	hypo	sig	chr6_166671995
chr3	13484465	13484465	+	1.667E-15	2.2826E-14	-0.24582	hypo	sig	chr3_13484465
chr12	2793613	2793613	+	1.668E-15	2.2837E-14	-0.26709	hypo	sig	chr12_2793613
chr13	1.11E+08	110562801	+	1.67E-15	2.2871E-14	-0.23492	hypo	sig	chr13_110562801
chr19	1272937	1272937	+	1.67E-15	2.2874E-14	0.258991	hyper	sig	chr19_1272937
chr6	3160303	3160303	+	1.672E-15	2.289E-14	-0.24833	hypo	sig	chr6_3160303
chr5	1295638	1295638	+	1.672E-15	2.2892E-14	0.245505	hyper	sig	chr5_1295638
chr10	15719532	15719532	+	1.672E-15	2.2896E-14	0.276176	hyper	sig	chr10_15719532
chr10	43371593	43371593	+	1.673E-15	2.2905E-14	-0.20776	hypo	sig	chr10_43371593
chr2	1.76E+08	176189621	+	1.673E-15	2.2915E-14	0.269883	hyper	sig	chr2_176189621
chr22	39652329	39652329	+	1.674E-15	2.2926E-14	-0.28354	hypo	sig	chr22_39652329
chr1	10664459	10664459	+	1.674E-15	2.2928E-14	0.332256	hyper	sig	chr1_10664459
chr16	56635752	56635752	+	1.675E-15	2.293E-14	0.225623	hyper	sig	chr16_56635752
chr1	22563174	22563174	+	1.675E-15	2.2932E-14	0.220861	hyper	sig	chr1_22563174
chr14	97219573	97219573	+	1.675E-15	2.2933E-14	0.214455	hyper	sig	chr14_97219573
chr12	1.2E+08	120361865	+	1.675E-15	2.2934E-14	0.27415	hyper	sig	chr12_120361865

chr16	88101211	88101211	+	1.678E-15	2.2972E-14	0.281161	hyper	sig	chr16_88101211
chr8	2090131	2090131	+	1.678E-15	2.298E-14	-0.20675	hypo	sig	chr8_2090131
chr7	1.52E+08	151796543	+	1.679E-15	2.2982E-14	-0.20065	hypo	sig	chr7_151796543
chr22	45212832	45212832	+	1.679E-15	2.2985E-14	0.278881	hyper	sig	chr22_45212832
chr2	1903136	1903136	+	1.679E-15	2.2986E-14	-0.27493	hypo	sig	chr2_1903136
chr14	85529433	85529433	+	1.679E-15	2.2992E-14	0.253331	hyper	sig	chr14_85529433
chr10	1.23E+08	122954716	+	1.68E-15	2.2993E-14	0.254844	hyper	sig	chr10_122954716
chr16	1247263	1247263	+	1.68E-15	2.2996E-14	-0.27362	hypo	sig	chr16_1247263
chr1	2.28E+08	227883769	+	1.68E-15	2.2998E-14	-0.27216	hypo	sig	chr1_227883769
chr11	1.2E+08	120124084	+	1.681E-15	2.3008E-14	-0.23332	hypo	sig	chr11_120124084
chr12	6478800	6478800	+	1.681E-15	2.3011E-14	0.217205	hyper	sig	chr12_6478800
chr12	1.12E+08	112112656	+	1.682E-15	2.3019E-14	-0.21389	hypo	sig	chr12_112112656
chr8	52939201	52939201	+	1.682E-15	2.3022E-14	0.310961	hyper	sig	chr8_52939201
chr8	23710188	23710188	+	1.682E-15	2.3029E-14	0.227349	hyper	sig	chr8_23710188
chr14	56810121	56810121	+	1.683E-15	2.3043E-14	0.334639	hyper	sig	chr14_56810121
chr7	1620128	1620128	+	1.685E-15	2.307E-14	-0.28402	hypo	sig	chr7_1620128
chr2	26971501	26971501	+	1.688E-15	2.3107E-14	0.286394	hyper	sig	chr2_26971501
chr6	1.68E+08	167678092	+	1.69E-15	2.3129E-14	0.20689	hyper	sig	chr6_167678092
chr4	1.47E+08	146637430	+	1.69E-15	2.3135E-14	0.29458	hyper	sig	chr4_146637430
chr12	1.31E+08	131057471	+	1.691E-15	2.3139E-14	-0.26553	hypo	sig	chr12_131057471
chr14	26205271	26205271	+	1.691E-15	2.3141E-14	0.262185	hyper	sig	chr14_26205271
chr1	85606168	85606168	+	1.691E-15	2.3148E-14	-0.24465	hypo	sig	chr1_85606168
chr10	1.01E+08	100659488	+	1.693E-15	2.3166E-14	0.256447	hyper	sig	chr10_100659488
chr2	1.14E+08	113886630	+	1.693E-15	2.3166E-14	-0.2473	hypo	sig	chr2_113886630
chr14	1.06E+08	105667475	+	1.694E-15	2.3177E-14	-0.23476	hypo	sig	chr14_105667475
chr4	13537616	13537616	+	1.698E-15	2.3234E-14	-0.22864	hypo	sig	chr4_13537616
chr5	1.16E+08	115963243	+	1.698E-15	2.3235E-14	0.228179	hyper	sig	chr5_115963243
chr15	1E+08	100193755	+	1.698E-15	2.3242E-14	-0.23275	hypo	sig	chr15_100193755
chr13	1.12E+08	111892990	+	1.699E-15	2.3243E-14	0.255273	hyper	sig	chr13_111892990
chr8	2561851	2561851	+	1.699E-15	2.3244E-14	0.21409	hyper	sig	chr8_2561851
chr18	74499148	74499148	+	1.7E-15	2.3262E-14	-0.2215	hypo	sig	chr18_74499148
chr3	309058	309058	+	1.702E-15	2.329E-14	0.248902	hyper	sig	chr3_309058
chr4	1.11E+08	110612361	+	1.703E-15	2.3297E-14	0.220265	hyper	sig	chr4_110612361
chr5	1003416	1003416	+	1.703E-15	2.3307E-14	-0.24317	hypo	sig	chr5_1003416
chr11	67665564	67665564	+	1.704E-15	2.3311E-14	-0.2518	hypo	sig	chr11_67665564
chr17	43949996	43949996	+	1.705E-15	2.3327E-14	-0.27922	hypo	sig	chr17_43949996
chr10	72217063	72217063	+	1.705E-15	2.333E-14	-0.2398	hypo	sig	chr10_72217063
chr6	31498982	31498982	+	1.706E-15	2.3345E-14	0.21161	hyper	sig	chr6_31498982
chr2	20231603	20231603	+	1.706E-15	2.3346E-14	-0.25246	hypo	sig	chr2_20231603
chr18	14145867	14145867	+	1.707E-15	2.3351E-14	-0.27571	hypo	sig	chr18_14145867
chr16	55324143	55324143	+	1.708E-15	2.3364E-14	0.320612	hyper	sig	chr16_55324143
chr11	94545420	94545420	+	1.708E-15	2.3369E-14	-0.23329	hypo	sig	chr11_94545420
chr5	1.52E+08	151532848	+	1.71E-15	2.339E-14	-0.23608	hypo	sig	chr5_151532848
chr3	14819085	14819085	+	1.711E-15	2.3401E-14	-0.39533	hypo	sig	chr3_14819085
chr1	68047380	68047380	+	1.711E-15	2.3405E-14	-0.24441	hypo	sig	chr1_68047380
chr19	2358735	2358735	+	1.712E-15	2.3423E-14	-0.30158	hypo	sig	chr19_2358735
chr1	1.77E+08	177171488	+	1.713E-15	2.3427E-14	0.262675	hyper	sig	chr1_177171488
chr6	1.63E+08	163196260	+	1.715E-15	2.3454E-14	-0.24574	hypo	sig	chr6_163196260
chr3	62319320	62319320	+	1.715E-15	2.3456E-14	0.246864	hyper	sig	chr3_62319320
chr3	1.19E+08	119323680	+	1.715E-15	2.3459E-14	-0.23756	hypo	sig	chr3_119323680
chr7	3044406	3044406	+	1.715E-15	2.3461E-14	-0.34514	hypo	sig	chr7_3044406
chr7	1912964	1912964	+	1.716E-15	2.3472E-14	0.303835	hyper	sig	chr7_1912964
chr17	78232140	78232140	+	1.717E-15	2.3481E-14	0.216797	hyper	sig	chr17_78232140
chr4	7635794	7635794	+	1.717E-15	2.3482E-14	-0.21186	hypo	sig	chr4_7635794
chr18	78977545	78977545	+	1.718E-15	2.3497E-14	0.350208	hyper	sig	chr18_78977545
chr9	1.3E+08	129598502	+	1.72E-15	2.3518E-14	-0.27112	hypo	sig	chr9_129598502

chr6	6003052	6003052	+	1.72E-15	2.3529E-14	0.244687	hyper	sig	chr6_6003052
chr14	1.02E+08	101552941	+	1.721E-15	2.3538E-14	-0.27003	hypo	sig	chr14_101552941
chr3	42772879	42772879	+	1.721E-15	2.3538E-14	0.317268	hyper	sig	chr3_42772879
chr12	64390445	64390445	+	1.723E-15	2.3559E-14	0.20742	hyper	sig	chr12_64390445
chr2	1854811	1854811	+	1.723E-15	2.3563E-14	0.222184	hyper	sig	chr2_1854811
chr1	52843562	52843562	+	1.723E-15	2.3567E-14	0.319146	hyper	sig	chr1_52843562
chr6	29827659	29827659	+	1.724E-15	2.3577E-14	0.26426	hyper	sig	chr6_29827659
chr16	84226291	84226291	+	1.724E-15	2.358E-14	-0.28398	hypo	sig	chr16_84226291
chr12	1.13E+08	113469326	+	1.726E-15	2.3599E-14	0.255002	hyper	sig	chr12_113469326
chr1	1.48E+08	148310450	+	1.727E-15	2.3615E-14	0.232471	hyper	sig	chr1_148310450
chr2	73291668	73291668	+	1.727E-15	2.3619E-14	0.297817	hyper	sig	chr2_73291668
chr6	10385732	10385732	+	1.727E-15	2.3619E-14	0.36358	hyper	sig	chr6_10385732
chr11	1.32E+08	131687531	+	1.727E-15	2.3619E-14	-0.24822	hypo	sig	chr11_131687531
chr19	34839259	34839259	+	1.729E-15	2.3635E-14	0.23676	hyper	sig	chr19_34839259
chr1	1.57E+08	156642677	+	1.729E-15	2.3637E-14	0.277668	hyper	sig	chr1_156642677
chr16	563588	563588	+	1.73E-15	2.3658E-14	-0.28125	hypo	sig	chr16_563588
chr2	2.32E+08	231662698	+	1.731E-15	2.3661E-14	-0.20309	hypo	sig	chr2_231662698
chr8	11700681	11700681	+	1.731E-15	2.3672E-14	0.216316	hyper	sig	chr8_11700681
chr6	1.06E+08	105986512	+	1.732E-15	2.3675E-14	0.222761	hyper	sig	chr6_105986512
chr10	25176427	25176427	+	1.732E-15	2.3685E-14	0.221411	hyper	sig	chr10_25176427
chr5	67166126	67166126	+	1.734E-15	2.3704E-14	-0.25413	hypo	sig	chr5_67166126
chr3	1.47E+08	147369926	+	1.735E-15	2.3718E-14	0.2685	hyper	sig	chr3_147369926
chr7	1.02E+08	102175922	+	1.735E-15	2.3722E-14	0.253416	hyper	sig	chr7_102175922
chr12	80400799	80400799	+	1.737E-15	2.3745E-14	0.24027	hyper	sig	chr12_80400799
chr1	3274966	3274966	+	1.737E-15	2.3746E-14	-0.25267	hypo	sig	chr1_3274966
chr20	45097905	45097905	+	1.737E-15	2.3751E-14	0.257786	hyper	sig	chr20_45097905
chr7	30912067	30912067	+	1.739E-15	2.3766E-14	0.226653	hyper	sig	chr7_30912067
chr1	50425556	50425556	+	1.739E-15	2.3772E-14	0.294873	hyper	sig	chr1_50425556
chr6	73696517	73696517	+	1.739E-15	2.3772E-14	0.238228	hyper	sig	chr6_73696517
chr14	1.04E+08	104357830	+	1.741E-15	2.3799E-14	-0.26132	hypo	sig	chr14_104357830
chr3	43997072	43997072	+	1.742E-15	2.3805E-14	0.202733	hyper	sig	chr3_43997072
chr10	52771585	52771585	+	1.743E-15	2.3826E-14	-0.26425	hypo	sig	chr10_52771585
chr17	74446919	74446919	+	1.744E-15	2.3836E-14	-0.23291	hypo	sig	chr17_74446919
chr8	23287470	23287470	+	1.746E-15	2.3859E-14	-0.2105	hypo	sig	chr8_23287470
chr8	41897891	41897891	+	1.746E-15	2.3862E-14	0.28546	hyper	sig	chr8_41897891
chr1	26530793	26530793	+	1.747E-15	2.3873E-14	-0.23641	hypo	sig	chr1_26530793
chr6	1E+08	100457817	+	1.747E-15	2.3878E-14	0.272066	hyper	sig	chr6_100457817
chr19	37691932	37691932	+	1.747E-15	2.3879E-14	0.271582	hyper	sig	chr19_37691932
chr6	10887267	10887267	+	1.748E-15	2.3886E-14	0.282692	hyper	sig	chr6_10887267
chr17	6714204	6714204	+	1.748E-15	2.3892E-14	0.298801	hyper	sig	chr17_6714204
chr6	1.68E+08	168342922	+	1.748E-15	2.3894E-14	-0.2553	hypo	sig	chr6_168342922
chr7	119261	119261	+	1.75E-15	2.3915E-14	-0.29574	hypo	sig	chr7_119261
chr2	27736057	27736057	+	1.751E-15	2.3926E-14	-0.26045	hypo	sig	chr2_27736057
chr10	1.04E+08	103605854	+	1.752E-15	2.3946E-14	0.232375	hyper	sig	chr10_103605854
chr2	1.84E+08	183546961	+	1.753E-15	2.3953E-14	-0.29348	hypo	sig	chr2_183546961
chr5	1.79E+08	179124782	+	1.754E-15	2.3963E-14	-0.24329	hypo	sig	chr5_179124782
chr2	1.15E+08	115161168	+	1.754E-15	2.3967E-14	0.204702	hyper	sig	chr2_115161168
chr11	43522410	43522410	+	1.754E-15	2.397E-14	-0.22407	hypo	sig	chr11_43522410
chr7	1.5E+08	149714230	+	1.757E-15	2.4009E-14	0.309057	hyper	sig	chr7_149714230
chr1	78491190	78491190	+	1.758E-15	2.4013E-14	0.269695	hyper	sig	chr1_78491190
chr8	1.43E+08	142777196	+	1.758E-15	2.4014E-14	0.235512	hyper	sig	chr8_142777196
chr4	3666010	3666010	+	1.758E-15	2.4019E-14	-0.30062	hypo	sig	chr4_3666010
chr4	84484166	84484166	+	1.759E-15	2.4028E-14	0.271743	hyper	sig	chr4_84484166
chr6	77650246	77650246	+	1.759E-15	2.4036E-14	0.266324	hyper	sig	chr6_77650246
chr4	1.56E+08	155758968	+	1.759E-15	2.4036E-14	0.296727	hyper	sig	chr4_155758968
chr18	8662007	8662007	+	1.76E-15	2.4044E-14	-0.21673	hypo	sig	chr18_8662007

chr4	1.54E+08	153760186	+	1.761E-15	2.4061E-14	0.340414	hyper	sig	chr4_153760186
chr12	57727214	57727214	+	1.763E-15	2.4085E-14	0.321999	hyper	sig	chr12_57727214
chr6	1.68E+08	168169615	+	1.764E-15	2.4094E-14	0.270057	hyper	sig	chr6_168169615
chr1	2348007	2348007	+	1.764E-15	2.4097E-14	-0.24751	hypo	sig	chr1_2348007
chr10	1.03E+08	102776364	+	1.766E-15	2.4121E-14	0.205633	hyper	sig	chr10_102776364
chr6	30164449	30164449	+	1.766E-15	2.4123E-14	-0.2757	hypo	sig	chr6_30164449
chr20	63458917	63458917	+	1.766E-15	2.4124E-14	-0.40123	hypo	sig	chr20_63458917
chr11	73646024	73646024	+	1.768E-15	2.4143E-14	0.247784	hyper	sig	chr11_73646024
chr1	39681021	39681021	+	1.769E-15	2.4159E-14	-0.25482	hypo	sig	chr1_39681021
chr5	1.43E+08	142698384	+	1.771E-15	2.4192E-14	-0.21015	hypo	sig	chr5_142698384
chr8	13131007	13131007	+	1.772E-15	2.4196E-14	0.246522	hyper	sig	chr8_13131007
chr17	46814884	46814884	+	1.773E-15	2.4217E-14	-0.26097	hypo	sig	chr17_46814884
chr17	48543006	48543006	+	1.773E-15	2.4217E-14	0.211817	hyper	sig	chr17_48543006
chr19	58038588	58038588	+	1.774E-15	2.4225E-14	0.313623	hyper	sig	chr19_58038588
chr6	2840635	2840635	+	1.774E-15	2.4233E-14	-0.22867	hypo	sig	chr6_2840635
chr4	1.89E+08	189307144	+	1.776E-15	2.4247E-14	-0.25753	hypo	sig	chr4_189307144
chr17	76262143	76262143	+	1.776E-15	2.4254E-14	-0.23954	hypo	sig	chr17_76262143
chr10	1.34E+08	133627615	+	1.777E-15	2.427E-14	-0.27512	hypo	sig	chr10_133627615
chr5	1.41E+08	141188665	+	1.778E-15	2.4274E-14	0.253064	hyper	sig	chr5_141188665
chr6	82363057	82363057	+	1.778E-15	2.4282E-14	0.372168	hyper	sig	chr6_82363057
chr22	37023792	37023792	+	1.779E-15	2.4293E-14	-0.26063	hypo	sig	chr22_37023792
chr4	1405435	1405435	+	1.779E-15	2.4295E-14	0.230591	hyper	sig	chr4_1405435
chr2	2.41E+08	240566976	+	1.78E-15	2.431E-14	-0.29567	hypo	sig	chr2_240566976
chr1	54259796	54259796	+	1.781E-15	2.4318E-14	-0.23903	hypo	sig	chr1_54259796
chr2	2.41E+08	241198937	+	1.782E-15	2.4328E-14	-0.24191	hypo	sig	chr2_241198937
chr2	2.19E+08	218879875	+	1.782E-15	2.4331E-14	0.20118	hyper	sig	chr2_218879875
chr17	42785293	42785293	+	1.786E-15	2.4385E-14	0.295103	hyper	sig	chr17_42785293
chr6	1.7E+08	169801577	+	1.786E-15	2.439E-14	-0.23995	hypo	sig	chr6_169801577
chr4	1.74E+08	173516779	+	1.789E-15	2.4427E-14	0.257409	hyper	sig	chr4_173516779
chr4	81204908	81204908	+	1.789E-15	2.4428E-14	-0.25433	hypo	sig	chr4_81204908
chr15	40283503	40283503	+	1.791E-15	2.4456E-14	0.219166	hyper	sig	chr15_40283503
chr10	49679426	49679426	+	1.791E-15	2.4457E-14	0.247065	hyper	sig	chr10_49679426
chr12	52406215	52406215	+	1.792E-15	2.4469E-14	-0.2864	hypo	sig	chr12_52406215
chr1	68050135	68050135	+	1.793E-15	2.4471E-14	-0.23131	hypo	sig	chr1_68050135
chr7	19145389	19145389	+	1.793E-15	2.4481E-14	0.283826	hyper	sig	chr7_19145389
chr5	2643194	2643194	+	1.795E-15	2.4502E-14	0.246454	hyper	sig	chr5_2643194
chr12	81078022	81078022	+	1.795E-15	2.451E-14	0.254334	hyper	sig	chr12_81078022
chr7	1.51E+08	151019299	+	1.797E-15	2.4528E-14	0.227283	hyper	sig	chr7_151019299
chr5	1.41E+08	140882068	+	1.799E-15	2.4558E-14	0.267195	hyper	sig	chr5_140882068
chr16	982285	982285	+	1.801E-15	2.4578E-14	0.225809	hyper	sig	chr16_982285
chr5	1.57E+08	156850471	+	1.803E-15	2.4608E-14	0.242661	hyper	sig	chr5_156850471
chr7	24756736	24756736	+	1.804E-15	2.4618E-14	0.249136	hyper	sig	chr7_24756736
chr7	1.36E+08	135749024	+	1.804E-15	2.4618E-14	0.217858	hyper	sig	chr7_135749024
chr14	99726545	99726545	+	1.804E-15	2.462E-14	-0.32827	hypo	sig	chr14_99726545
chr17	56597774	56597774	+	1.804E-15	2.4625E-14	0.226523	hyper	sig	chr17_56597774
chr7	23710135	23710135	+	1.805E-15	2.4629E-14	-0.2431	hypo	sig	chr7_23710135
chr11	1.3E+08	130427649	+	1.805E-15	2.4634E-14	0.2106	hyper	sig	chr11_130427649
chr1	3275344	3275344	+	1.805E-15	2.4641E-14	-0.23762	hypo	sig	chr1_3275344
chr21	42642073	42642073	+	1.806E-15	2.4642E-14	-0.26587	hypo	sig	chr21_42642073
chr2	1.27E+08	126771980	+	1.806E-15	2.4654E-14	-0.22328	hypo	sig	chr2_126771980
chr1	1.6E+08	160084561	+	1.808E-15	2.4676E-14	0.241103	hyper	sig	chr1_160084561
chr19	21851593	21851593	+	1.809E-15	2.469E-14	0.200194	hyper	sig	chr19_21851593
chr12	53961752	53961752	+	1.81E-15	2.4707E-14	0.269745	hyper	sig	chr12_53961752
chr1	24321756	24321756	+	1.812E-15	2.4722E-14	-0.2335	hypo	sig	chr1_24321756
chr8	1974963	1974963	+	1.812E-15	2.4726E-14	0.234826	hyper	sig	chr8_1974963
chr9	1.37E+08	136658264	+	1.812E-15	2.473E-14	-0.2199	hypo	sig	chr9_136658264

chr9	69174702	69174702	+	1.812E-15	2.4731E-14	0.241697	hyper	sig	chr9_69174702
chr22	49826264	49826264	+	1.813E-15	2.4736E-14	-0.2442	hypo	sig	chr22_49826264
chr1	1.01E+08	101237083	+	1.813E-15	2.4743E-14	0.234206	hyper	sig	chr1_101237083
chr13	1.11E+08	110506701	+	1.814E-15	2.4746E-14	-0.31396	hypo	sig	chr13_110506701
chr9	83625337	83625337	+	1.814E-15	2.4749E-14	-0.32911	hypo	sig	chr9_83625337
chr17	79137917	79137917	+	1.814E-15	2.4752E-14	0.270028	hyper	sig	chr17_79137917
chr2	96527305	96527305	+	1.817E-15	2.479E-14	0.305317	hyper	sig	chr2_96527305
chr8	1.42E+08	142119851	+	1.819E-15	2.4822E-14	-0.2569	hypo	sig	chr8_142119851
chr15	26968027	26968027	+	1.819E-15	2.4825E-14	0.313746	hyper	sig	chr15_26968027
chr3	1.82E+08	181726675	+	1.82E-15	2.483E-14	0.247584	hyper	sig	chr3_181726675
chr20	45098730	45098730	+	1.82E-15	2.483E-14	0.297196	hyper	sig	chr20_45098730
chr19	36331540	36331540	+	1.82E-15	2.4835E-14	0.200478	hyper	sig	chr19_36331540
chr17	74325137	74325137	+	1.821E-15	2.4842E-14	-0.23001	hypo	sig	chr17_74325137
chr13	36125755	36125755	+	1.822E-15	2.4853E-14	-0.23272	hypo	sig	chr13_36125755
chr22	44173061	44173061	+	1.822E-15	2.4853E-14	-0.25043	hypo	sig	chr22_44173061
chr9	1.22E+08	122347730	+	1.823E-15	2.487E-14	-0.24224	hypo	sig	chr9_122347730
chr8	64373687	64373687	+	1.824E-15	2.488E-14	0.283258	hyper	sig	chr8_64373687
chr16	1024236	1024236	+	1.824E-15	2.4881E-14	-0.23695	hypo	sig	chr16_1024236
chr7	70590341	70590341	+	1.826E-15	2.4911E-14	-0.26202	hypo	sig	chr7_70590341
chr13	25097260	25097260	+	1.827E-15	2.4922E-14	-0.23913	hypo	sig	chr13_25097260
chr8	54454237	54454237	+	1.827E-15	2.4928E-14	0.330931	hyper	sig	chr8_54454237
chr7	46179297	46179297	+	1.829E-15	2.4951E-14	-0.21221	hypo	sig	chr7_46179297
chr11	20158918	20158918	+	1.829E-15	2.4952E-14	0.216424	hyper	sig	chr11_20158918
chr12	3305150	3305150	+	1.83E-15	2.4961E-14	-0.29836	hypo	sig	chr12_3305150
chr5	1.75E+08	174731922	+	1.83E-15	2.4967E-14	0.288192	hyper	sig	chr5_174731922
chr16	3966719	3966719	+	1.832E-15	2.4989E-14	-0.21138	hypo	sig	chr16_3966719
chr16	2830325	2830325	+	1.834E-15	2.5015E-14	-0.20782	hypo	sig	chr16_2830325
chr13	1.14E+08	114115784	+	1.834E-15	2.5016E-14	-0.30111	hypo	sig	chr13_114115784
chr1	4653989	4653989	+	1.834E-15	2.5016E-14	0.301031	hyper	sig	chr1_4653989
chr11	64237997	64237997	+	1.835E-15	2.5033E-14	-0.22226	hypo	sig	chr11_64237997
chr16	370181	370181	+	1.836E-15	2.5041E-14	0.23874	hyper	sig	chr16_370181
chr2	66445744	66445744	+	1.837E-15	2.5053E-14	0.266277	hyper	sig	chr2_66445744
chr19	30224686	30224686	+	1.84E-15	2.5094E-14	0.244062	hyper	sig	chr19_30224686
chr14	64541363	64541363	+	1.84E-15	2.5096E-14	0.263675	hyper	sig	chr14_64541363
chr11	2383145	2383145	+	1.842E-15	2.5117E-14	0.299267	hyper	sig	chr11_2383145
chr6	50714649	50714649	+	1.842E-15	2.5118E-14	0.209359	hyper	sig	chr6_50714649
chr5	1.71E+08	171310349	+	1.842E-15	2.5123E-14	0.23408	hyper	sig	chr5_171310349
chr1	27351430	27351430	+	1.843E-15	2.5127E-14	0.280024	hyper	sig	chr1_27351430
chr3	1.02E+08	101678088	+	1.843E-15	2.5138E-14	-0.26678	hypo	sig	chr3_101678088
chr6	50836137	50836137	+	1.844E-15	2.5141E-14	0.201999	hyper	sig	chr6_50836137
chr3	46830749	46830749	+	1.845E-15	2.5156E-14	-0.24497	hypo	sig	chr3_46830749
chr5	7306668	7306668	+	1.845E-15	2.5161E-14	-0.2099	hypo	sig	chr5_7306668
chr15	1.01E+08	101188424	+	1.846E-15	2.5174E-14	0.210222	hyper	sig	chr15_101188424
chr16	1148863	1148863	+	1.846E-15	2.5174E-14	-0.21355	hypo	sig	chr16_1148863
chr19	45783335	45783335	+	1.846E-15	2.5174E-14	0.303145	hyper	sig	chr19_45783335
chr3	49655104	49655104	+	1.847E-15	2.5179E-14	-0.28968	hypo	sig	chr3_49655104
chr4	1.9E+08	190019052	+	1.848E-15	2.5196E-14	0.203406	hyper	sig	chr4_190019052
chr8	69832667	69832667	+	1.848E-15	2.52E-14	0.22088	hyper	sig	chr8_69832667
chr4	7371741	7371741	+	1.85E-15	2.5218E-14	-0.21312	hypo	sig	chr4_7371741
chr8	23706503	23706503	+	1.85E-15	2.5218E-14	0.215714	hyper	sig	chr8_23706503
chr1	2.31E+08	231161735	+	1.85E-15	2.5221E-14	0.277786	hyper	sig	chr1_231161735
chr15	82648630	82648630	+	1.85E-15	2.5225E-14	0.299779	hyper	sig	chr15_82648630
chr1	10650094	10650094	+	1.851E-15	2.5234E-14	0.244004	hyper	sig	chr1_10650094
chr14	23366668	23366668	+	1.852E-15	2.5245E-14	0.342033	hyper	sig	chr14_23366668
chr1	54781720	54781720	+	1.852E-15	2.5247E-14	0.243117	hyper	sig	chr1_54781720
chr5	31194731	31194731	+	1.854E-15	2.5271E-14	0.201234	hyper	sig	chr5_31194731

chr19	57583787	57583787	+	1.855E-15	2.5278E-14	0.273269	hyper	sig	chr19_57583787
chr6	52576280	52576280	+	1.855E-15	2.5289E-14	0.236193	hyper	sig	chr6_52576280
chr17	81600582	81600582	+	1.856E-15	2.5293E-14	0.252579	hyper	sig	chr17_81600582
chr3	1.65E+08	165197221	+	1.857E-15	2.5306E-14	0.20431	hyper	sig	chr3_165197221
chr11	2416848	2416848	+	1.858E-15	2.5319E-14	-0.22366	hypo	sig	chr11_2416848
chr11	364752	364752	+	1.858E-15	2.5323E-14	-0.22777	hypo	sig	chr11_364752
chr15	88255334	88255334	+	1.858E-15	2.533E-14	0.217922	hyper	sig	chr15_88255334
chr22	16602528	16602528	+	1.859E-15	2.5334E-14	0.238729	hyper	sig	chr22_16602528
chr2	1.44E+08	143937593	+	1.859E-15	2.5337E-14	0.226774	hyper	sig	chr2_143937593
chr4	760696	760696	+	1.859E-15	2.5337E-14	0.345509	hyper	sig	chr4_760696
chr8	1.43E+08	142781323	+	1.86E-15	2.5354E-14	-0.28535	hypo	sig	chr8_142781323
chr5	1.41E+08	141423109	+	1.861E-15	2.5362E-14	0.26377	hyper	sig	chr5_141423109
chr10	8052468	8052468	+	1.861E-15	2.5367E-14	0.215569	hyper	sig	chr10_8052468
chr5	73444792	73444792	+	1.863E-15	2.5381E-14	0.277855	hyper	sig	chr5_73444792
chr12	1.22E+08	121918938	+	1.863E-15	2.5386E-14	0.282962	hyper	sig	chr12_121918938
chr5	1.49E+08	149430614	+	1.863E-15	2.5389E-14	0.210642	hyper	sig	chr5_149430614
chr22	50578572	50578572	+	1.863E-15	2.539E-14	0.265255	hyper	sig	chr22_50578572
chr22	41449602	41449602	+	1.864E-15	2.5399E-14	-0.25237	hypo	sig	chr22_41449602
chr5	1.79E+08	178997363	+	1.866E-15	2.5431E-14	-0.26186	hypo	sig	chr5_178997363
chr1	2.21E+08	220887718	+	1.866E-15	2.5431E-14	0.300607	hyper	sig	chr1_220887718
chr6	1.64E+08	163972755	+	1.867E-15	2.5441E-14	-0.22601	hypo	sig	chr6_163972755
chr21	30491825	30491825	+	1.867E-15	2.5443E-14	-0.25439	hypo	sig	chr21_30491825
chr5	1.29E+08	128537621	+	1.868E-15	2.5447E-14	0.227104	hyper	sig	chr5_128537621
chr16	84832494	84832494	+	1.868E-15	2.5448E-14	0.301224	hyper	sig	chr16_84832494
chr1	92441889	92441889	+	1.868E-15	2.5454E-14	-0.30521	hypo	sig	chr1_92441889
chr10	52308870	52308870	+	1.868E-15	2.5455E-14	0.269198	hyper	sig	chr10_52308870
chr9	92807317	92807317	+	1.869E-15	2.5464E-14	0.26963	hyper	sig	chr9_92807317
chr3	1.41E+08	141050832	+	1.869E-15	2.5467E-14	0.240151	hyper	sig	chr3_141050832
chr11	1.11E+08	110713415	+	1.87E-15	2.5478E-14	0.249804	hyper	sig	chr11_110713415
chr1	1.19E+08	119008680	+	1.871E-15	2.5489E-14	0.24306	hyper	sig	chr1_119008680
chr8	1.17E+08	116938057	+	1.871E-15	2.5494E-14	0.299453	hyper	sig	chr8_116938057
chr1	3073500	3073500	+	1.872E-15	2.5495E-14	0.241091	hyper	sig	chr1_3073500
chr4	1.11E+08	110639316	+	1.872E-15	2.5497E-14	0.322745	hyper	sig	chr4_110639316
chr6	1.68E+08	168079388	+	1.873E-15	2.5507E-14	-0.24232	hypo	sig	chr6_168079388
chr4	1.76E+08	176001602	+	1.873E-15	2.552E-14	0.249629	hyper	sig	chr4_176001602
chr9	1.37E+08	136694064	+	1.874E-15	2.5529E-14	-0.21591	hypo	sig	chr9_136694064
chr6	28814179	28814179	+	1.875E-15	2.5542E-14	0.257611	hyper	sig	chr6_28814179
chr16	89316048	89316048	+	1.876E-15	2.5547E-14	-0.3034	hypo	sig	chr16_89316048
chr1	6466091	6466091	+	1.876E-15	2.5549E-14	0.260032	hyper	sig	chr1_6466091
chr5	486368	486368	+	1.878E-15	2.5573E-14	-0.22961	hypo	sig	chr5_486368
chr2	1.61E+08	161417173	+	1.88E-15	2.5602E-14	0.284306	hyper	sig	chr2_161417173
chr1	1.79E+08	179025108	+	1.88E-15	2.5606E-14	-0.22087	hypo	sig	chr1_179025108
chr2	85132731	85132731	+	1.88E-15	2.5607E-14	0.329267	hyper	sig	chr2_85132731
chr1	1.61E+08	161079723	+	1.881E-15	2.561E-14	0.278962	hyper	sig	chr1_161079723
chr16	70451036	70451036	+	1.881E-15	2.5618E-14	0.240642	hyper	sig	chr16_70451036
chr4	41751298	41751298	+	1.881E-15	2.5618E-14	0.241983	hyper	sig	chr4_41751298
chr15	75649050	75649050	+	1.884E-15	2.5655E-14	0.260549	hyper	sig	chr15_75649050
chr1	7437644	7437644	+	1.884E-15	2.566E-14	-0.24527	hypo	sig	chr1_7437644
chr20	409907	409907	+	1.885E-15	2.5675E-14	-0.26704	hypo	sig	chr20_409907
chr15	26866902	26866902	+	1.889E-15	2.5718E-14	0.242468	hyper	sig	chr15_26866902
chr15	78757284	78757284	+	1.889E-15	2.5722E-14	-0.26222	hypo	sig	chr15_78757284
chr13	78607907	78607907	+	1.891E-15	2.5755E-14	0.263354	hyper	sig	chr13_78607907
chr11	67674655	67674655	+	1.892E-15	2.5766E-14	-0.2193	hypo	sig	chr11_67674655
chr3	12759317	12759317	+	1.893E-15	2.5776E-14	-0.27203	hypo	sig	chr3_12759317
chr19	49133114	49133114	+	1.893E-15	2.5777E-14	0.391508	hyper	sig	chr19_49133114
chr3	1.32E+08	131527161	+	1.894E-15	2.5786E-14	0.275371	hyper	sig	chr3_131527161

chr16	23695345	23695345	+	1.894E-15	2.5786E-14	0.30669	hyper	sig	chr16_23695345
chr20	64106219	64106219	+	1.894E-15	2.5787E-14	-0.24256	hypo	sig	chr20_64106219
chr3	9844514	9844514	+	1.894E-15	2.579E-14	-0.20978	hypo	sig	chr3_9844514
chr7	36154319	36154319	+	1.894E-15	2.5791E-14	0.249109	hyper	sig	chr7_36154319
chr12	1.32E+08	132132770	+	1.895E-15	2.5793E-14	-0.24121	hypo	sig	chr12_132132770
chr8	26044355	26044355	+	1.898E-15	2.5838E-14	0.248478	hyper	sig	chr8_26044355
chr5	1.42E+08	142326648	+	1.899E-15	2.585E-14	-0.29074	hypo	sig	chr5_142326648
chr20	21703145	21703145	+	1.9E-15	2.5867E-14	0.203879	hyper	sig	chr20_21703145
chr1	2.28E+08	228465312	+	1.901E-15	2.5873E-14	0.293386	hyper	sig	chr1_228465312
chr10	1.22E+08	121596080	+	1.905E-15	2.5929E-14	0.254934	hyper	sig	chr10_121596080
chr14	49619082	49619082	+	1.907E-15	2.596E-14	-0.2215	hypo	sig	chr14_49619082
chr8	1E+08	100105846	+	1.909E-15	2.5982E-14	0.267084	hyper	sig	chr8_100105846
chr7	90119681	90119681	+	1.909E-15	2.5985E-14	0.231016	hyper	sig	chr7_90119681
chr19	38813304	38813304	+	1.91E-15	2.6001E-14	-0.31383	hypo	sig	chr19_38813304
chr17	78890830	78890830	+	1.91E-15	2.6003E-14	-0.24716	hypo	sig	chr17_78890830
chr2	2.22E+08	222289441	+	1.912E-15	2.6029E-14	0.23354	hyper	sig	chr2_222289441
chr3	1.33E+08	133412660	+	1.912E-15	2.6029E-14	-0.31305	hypo	sig	chr3_133412660
chr9	22447695	22447695	+	1.914E-15	2.6045E-14	0.282801	hyper	sig	chr9_22447695
chr20	43188322	43188322	+	1.914E-15	2.6047E-14	0.319405	hyper	sig	chr20_43188322
chr15	25799121	25799121	+	1.916E-15	2.6081E-14	-0.35152	hypo	sig	chr15_25799121
chr2	1.72E+08	172087389	+	1.917E-15	2.609E-14	0.243459	hyper	sig	chr2_172087389
chr6	50707697	50707697	+	1.918E-15	2.6098E-14	0.286403	hyper	sig	chr6_50707697
chr8	1.08E+08	108081769	+	1.919E-15	2.6117E-14	0.275531	hyper	sig	chr8_108081769
chr17	82830184	82830184	+	1.92E-15	2.6126E-14	0.280173	hyper	sig	chr17_82830184
chr17	48750149	48750149	+	1.921E-15	2.6134E-14	0.222109	hyper	sig	chr17_48750149
chr1	2.08E+08	207645203	+	1.921E-15	2.6141E-14	0.23735	hyper	sig	chr1_207645203
chr5	1.79E+08	179209921	+	1.922E-15	2.6153E-14	-0.2565	hypo	sig	chr5_179209921
chr2	97740952	97740952	+	1.922E-15	2.6154E-14	0.265692	hyper	sig	chr2_97740952
chr19	54338467	54338467	+	1.924E-15	2.6174E-14	-0.22214	hypo	sig	chr19_54338467
chr1	1.15E+08	115287030	+	1.924E-15	2.6174E-14	-0.21698	hypo	sig	chr1_115287030
chr1	2.18E+08	218346782	+	1.924E-15	2.6177E-14	0.203535	hyper	sig	chr1_218346782
chr3	1.39E+08	138960736	+	1.924E-15	2.6184E-14	0.233496	hyper	sig	chr3_138960736
chr11	1.3E+08	130144106	+	1.926E-15	2.6198E-14	0.208773	hyper	sig	chr11_130144106
chr9	37027244	37027244	+	1.926E-15	2.6209E-14	0.309901	hyper	sig	chr9_37027244
chr2	1.01E+08	101476888	+	1.927E-15	2.6211E-14	-0.25982	hypo	sig	chr2_101476888
chr19	52536046	52536046	+	1.927E-15	2.6218E-14	0.307297	hyper	sig	chr19_52536046
chr5	1.59E+08	159104114	+	1.928E-15	2.6231E-14	0.303079	hyper	sig	chr5_159104114
chr13	36213793	36213793	+	1.93E-15	2.6252E-14	-0.23881	hypo	sig	chr13_36213793
chr13	1.11E+08	111116055	+	1.93E-15	2.6252E-14	0.203453	hyper	sig	chr13_111116055
chr3	1.26E+08	126416397	+	1.933E-15	2.6296E-14	0.319479	hyper	sig	chr3_126416397
chr14	97219537	97219537	+	1.933E-15	2.6301E-14	0.203741	hyper	sig	chr14_97219537
chr5	3597590	3597590	+	1.935E-15	2.6325E-14	0.218625	hyper	sig	chr5_3597590
chr19	39265363	39265363	+	1.936E-15	2.6337E-14	0.327844	hyper	sig	chr19_39265363
chr17	12663041	12663041	+	1.937E-15	2.6352E-14	-0.26139	hypo	sig	chr17_12663041
chr12	48525701	48525701	+	1.937E-15	2.6354E-14	-0.24516	hypo	sig	chr12_48525701
chr19	17499183	17499183	+	1.938E-15	2.6368E-14	-0.25046	hypo	sig	chr19_17499183
chr11	2144433	2144433	+	1.939E-15	2.6372E-14	0.231471	hyper	sig	chr11_2144433
chr1	24322952	24322952	+	1.94E-15	2.639E-14	-0.20535	hypo	sig	chr1_24322952
chr7	1.28E+08	128032239	+	1.941E-15	2.6397E-14	0.232115	hyper	sig	chr7_128032239
chr22	38239614	38239614	+	1.941E-15	2.64E-14	0.205403	hyper	sig	chr22_38239614
chr5	1.41E+08	141399867	+	1.942E-15	2.6418E-14	0.244871	hyper	sig	chr5_141399867
chr2	2.42E+08	241507320	+	1.943E-15	2.642E-14	0.26465	hyper	sig	chr2_241507320
chr3	18438750	18438750	+	1.945E-15	2.6455E-14	-0.22289	hypo	sig	chr3_18438750
chr1	2.31E+08	231163606	+	1.946E-15	2.6461E-14	0.267857	hyper	sig	chr1_231163606
chr13	78607193	78607193	+	1.947E-15	2.6477E-14	0.263744	hyper	sig	chr13_78607193
chr16	1991150	1991150	+	1.947E-15	2.6483E-14	0.232932	hyper	sig	chr16_1991150

chr19	44776527	44776527	+	1.949E-15	2.6506E-14	-0.24762	hypo	sig	chr19_44776527
chr1	2.36E+08	236399848	+	1.949E-15	2.6508E-14	-0.31178	hypo	sig	chr1_236399848
chr8	1.41E+08	141431488	+	1.95E-15	2.6514E-14	0.228284	hyper	sig	chr8_141431488
chr2	1.82E+08	181684713	+	1.95E-15	2.6519E-14	0.224595	hyper	sig	chr2_181684713
chr19	47275432	47275432	+	1.951E-15	2.6525E-14	0.318071	hyper	sig	chr19_47275432
chr9	1.22E+08	122220555	+	1.952E-15	2.6541E-14	0.261088	hyper	sig	chr9_122220555
chr2	1.3E+08	129587471	+	1.952E-15	2.6542E-14	0.250711	hyper	sig	chr2_129587471
chr7	1.56E+08	155576729	+	1.953E-15	2.6558E-14	-0.31059	hypo	sig	chr7_155576729
chr7	5495084	5495084	+	1.953E-15	2.6559E-14	0.226428	hyper	sig	chr7_5495084
chr6	27558500	27558500	+	1.954E-15	2.6564E-14	0.271429	hyper	sig	chr6_27558500
chr2	1.97E+08	196592489	+	1.955E-15	2.6582E-14	0.221734	hyper	sig	chr2_196592489
chr17	40350049	40350049	+	1.955E-15	2.6582E-14	0.202787	hyper	sig	chr17_40350049
chr7	1.58E+08	157792361	+	1.955E-15	2.6586E-14	-0.24188	hypo	sig	chr7_157792361
chr13	20144325	20144325	+	1.956E-15	2.6592E-14	-0.25611	hypo	sig	chr13_20144325
chr2	1.39E+08	138780744	+	1.957E-15	2.6608E-14	0.27698	hyper	sig	chr2_138780744
chr6	1.66E+08	166463441	+	1.957E-15	2.6611E-14	-0.22475	hypo	sig	chr6_166463441
chr11	61895475	61895475	+	1.958E-15	2.6618E-14	-0.24464	hypo	sig	chr11_61895475
chr1	77281678	77281678	+	1.958E-15	2.6621E-14	0.275944	hyper	sig	chr1_77281678
chr12	5043937	5043937	+	1.959E-15	2.6637E-14	0.251437	hyper	sig	chr12_5043937
chr4	213090	213090	+	1.96E-15	2.6647E-14	0.293812	hyper	sig	chr4_213090
chr5	1.41E+08	141385179	+	1.961E-15	2.6652E-14	0.26848	hyper	sig	chr5_141385179
chr17	78134412	78134412	+	1.962E-15	2.6673E-14	-0.20522	hypo	sig	chr17_78134412
chr6	84764941	84764941	+	1.963E-15	2.6683E-14	0.209266	hyper	sig	chr6_84764941
chr5	1.8E+08	179966986	+	1.965E-15	2.6709E-14	-0.27727	hypo	sig	chr5_179966986
chr2	52572240	52572240	+	1.965E-15	2.6711E-14	-0.25471	hypo	sig	chr2_52572240
chr2	1.63E+08	162838582	+	1.965E-15	2.6711E-14	0.285099	hyper	sig	chr2_162838582
chr2	2.39E+08	239247131	+	1.966E-15	2.6722E-14	-0.25179	hypo	sig	chr2_239247131
chr5	1.41E+08	141419540	+	1.966E-15	2.6729E-14	0.32452	hyper	sig	chr5_141419540
chr17	36464892	36464892	+	1.968E-15	2.6756E-14	0.353635	hyper	sig	chr17_36464892
chr4	54237917	54237917	+	1.969E-15	2.6768E-14	-0.2675	hypo	sig	chr4_54237917
chr3	1.97E+08	197459261	+	1.97E-15	2.6769E-14	-0.28232	hypo	sig	chr3_197459261
chr22	48624621	48624621	+	1.97E-15	2.677E-14	-0.25974	hypo	sig	chr22_48624621
chr20	9516717	9516717	+	1.97E-15	2.6775E-14	0.263664	hyper	sig	chr20_9516717
chr12	75209521	75209521	+	1.971E-15	2.6784E-14	0.276751	hyper	sig	chr12_75209521
chr13	50132454	50132454	+	1.971E-15	2.6784E-14	0.248473	hyper	sig	chr13_50132454
chr17	18982124	18982124	+	1.972E-15	2.6798E-14	-0.22316	hypo	sig	chr17_18982124
chr1	2.47E+08	247332792	+	1.972E-15	2.6803E-14	0.233617	hyper	sig	chr1_247332792
chr12	49961571	49961571	+	1.972E-15	2.6803E-14	0.24768	hyper	sig	chr12_49961571
chr10	774569	774569	+	1.972E-15	2.6804E-14	-0.25406	hypo	sig	chr10_774569
chr5	1.41E+08	141403136	+	1.973E-15	2.6816E-14	0.282167	hyper	sig	chr5_141403136
chr7	47336381	47336381	+	1.975E-15	2.6834E-14	0.270227	hyper	sig	chr7_47336381
chr7	1.04E+08	103989566	+	1.975E-15	2.6845E-14	0.209626	hyper	sig	chr7_103989566
chr16	86956003	86956003	+	1.977E-15	2.6868E-14	-0.30049	hypo	sig	chr16_86956003
chr12	6377503	6377503	+	1.978E-15	2.6879E-14	-0.20032	hypo	sig	chr12_6377503
chr12	1.14E+08	113669947	+	1.978E-15	2.6881E-14	0.233726	hyper	sig	chr12_113669947
chr7	2763038	2763038	+	1.979E-15	2.6889E-14	0.256385	hyper	sig	chr7_2763038
chr22	23095305	23095305	+	1.98E-15	2.69E-14	0.284159	hyper	sig	chr22_23095305
chr5	1.41E+08	141236774	+	1.983E-15	2.6945E-14	0.271511	hyper	sig	chr5_141236774
chr3	1.47E+08	147378365	+	1.985E-15	2.697E-14	0.200409	hyper	sig	chr3_147378365
chr11	1869731	1869731	+	1.991E-15	2.7045E-14	-0.35853	hypo	sig	chr11_1869731
chr7	1.59E+08	159093429	+	1.991E-15	2.7049E-14	-0.23447	hypo	sig	chr7_159093429
chr12	1.32E+08	132271733	+	1.992E-15	2.706E-14	-0.28327	hypo	sig	chr12_132271733
chr2	1.71E+08	170928567	+	1.992E-15	2.7062E-14	-0.21255	hypo	sig	chr2_170928567
chr6	1.01E+08	101070382	+	1.992E-15	2.707E-14	-0.20937	hypo	sig	chr6_101070382
chr16	85709888	85709888	+	1.993E-15	2.7082E-14	0.303253	hyper	sig	chr16_85709888
chr4	54104160	54104160	+	1.997E-15	2.7125E-14	0.245145	hyper	sig	chr4_54104160

chr3	1.84E+08	184338746	+	1.997E-15	2.7125E-14	0.310137	hyper	sig	chr3_184338746
chr1	1.16E+08	115977002	+	1.997E-15	2.7134E-14	-0.25029	hypo	sig	chr1_115977002
chr9	34809594	34809594	+	1.998E-15	2.7141E-14	0.285551	hyper	sig	chr9_34809594
chr1	3186589	3186589	+	1.998E-15	2.7144E-14	0.232508	hyper	sig	chr1_3186589
chr8	1.43E+08	142777048	+	1.998E-15	2.7146E-14	0.308617	hyper	sig	chr8_142777048
chr2	1.61E+08	161417137	+	1.999E-15	2.7152E-14	0.266881	hyper	sig	chr2_161417137
chr14	1.01E+08	100875039	+	1.999E-15	2.7161E-14	-0.26804	hypo	sig	chr14_100875039
chr5	1.41E+08	140843480	+	2E-15	2.7163E-14	0.229292	hyper	sig	chr5_140843480
chr20	58228314	58228314	+	2.001E-15	2.7187E-14	0.211572	hyper	sig	chr20_58228314
chr16	67649782	67649782	+	2.002E-15	2.7192E-14	0.289519	hyper	sig	chr16_67649782
chr6	27558521	27558521	+	2.002E-15	2.7192E-14	0.280212	hyper	sig	chr6_27558521
chr12	6884648	6884648	+	2.002E-15	2.7197E-14	0.204483	hyper	sig	chr12_6884648
chr16	3180764	3180764	+	2.005E-15	2.7238E-14	0.300617	hyper	sig	chr16_3180764
chr11	1.33E+08	133078282	+	2.008E-15	2.7276E-14	-0.22283	hypo	sig	chr11_133078282
chr3	1.49E+08	149377479	+	2.009E-15	2.7289E-14	-0.27408	hypo	sig	chr3_149377479
chr2	7429762	7429762	+	2.009E-15	2.7292E-14	-0.31364	hypo	sig	chr2_7429762
chr13	1.14E+08	114015339	+	2.01E-15	2.7298E-14	-0.26334	hypo	sig	chr13_114015339
chr5	1.46E+08	146343299	+	2.01E-15	2.73E-14	0.26715	hyper	sig	chr5_146343299
chr11	14973990	14973990	+	2.014E-15	2.7352E-14	0.206158	hyper	sig	chr11_14973990
chr9	1.36E+08	136395809	+	2.015E-15	2.7364E-14	0.285026	hyper	sig	chr9_136395809
chr10	1.14E+08	114405229	+	2.015E-15	2.7365E-14	-0.22179	hypo	sig	chr10_114405229
chr1	1.83E+08	182603018	+	2.015E-15	2.7366E-14	-0.2114	hypo	sig	chr1_182603018
chr9	1.35E+08	134831321	+	2.015E-15	2.7368E-14	-0.27568	hypo	sig	chr9_134831321
chr7	43312056	43312056	+	2.016E-15	2.7371E-14	-0.2496	hypo	sig	chr7_43312056
chr9	1.22E+08	122124661	+	2.018E-15	2.7407E-14	-0.3604	hypo	sig	chr9_122124661
chr7	1.58E+08	157833048	+	2.019E-15	2.7414E-14	-0.26575	hypo	sig	chr7_157833048
chr7	98251251	98251251	+	2.019E-15	2.7417E-14	-0.22133	hypo	sig	chr7_98251251
chr9	1.35E+08	134819926	+	2.019E-15	2.742E-14	-0.22026	hypo	sig	chr9_134819926
chr16	31331766	31331766	+	2.02E-15	2.7432E-14	0.289644	hyper	sig	chr16_31331766
chr7	30912186	30912186	+	2.022E-15	2.745E-14	0.220331	hyper	sig	chr7_30912186
chr10	99531289	99531289	+	2.022E-15	2.7456E-14	0.233277	hyper	sig	chr10_99531289
chr4	8353364	8353364	+	2.023E-15	2.7463E-14	-0.26706	hypo	sig	chr4_8353364
chr7	4107373	4107373	+	2.023E-15	2.7463E-14	-0.23247	hypo	sig	chr7_4107373
chr20	17228013	17228013	+	2.023E-15	2.7469E-14	0.227471	hyper	sig	chr20_17228013
chr20	25148141	25148141	+	2.024E-15	2.7483E-14	0.269218	hyper	sig	chr20_25148141
chr19	58098563	58098563	+	2.025E-15	2.7487E-14	0.242648	hyper	sig	chr19_58098563
chr5	2129090	2129090	+	2.026E-15	2.7509E-14	0.272624	hyper	sig	chr5_2129090
chr11	78464246	78464246	+	2.027E-15	2.7518E-14	0.256258	hyper	sig	chr11_78464246
chr7	1.04E+08	103989595	+	2.028E-15	2.7532E-14	0.201475	hyper	sig	chr7_103989595
chr6	30071168	30071168	+	2.03E-15	2.756E-14	0.24787	hyper	sig	chr6_30071168
chr16	3654677	3654677	+	2.031E-15	2.757E-14	-0.27823	hypo	sig	chr16_3654677
chr19	29528802	29528802	+	2.031E-15	2.7576E-14	0.234832	hyper	sig	chr19_29528802
chr13	1.13E+08	113098212	+	2.032E-15	2.7584E-14	0.251722	hyper	sig	chr13_113098212
chr16	3192743	3192743	+	2.036E-15	2.7636E-14	0.271293	hyper	sig	chr16_3192743
chr2	3601865	3601865	+	2.037E-15	2.7644E-14	-0.28379	hypo	sig	chr2_3601865
chr13	1.13E+08	112757149	+	2.037E-15	2.7645E-14	-0.27058	hypo	sig	chr13_112757149
chr14	56795504	56795504	+	2.038E-15	2.7659E-14	0.293155	hyper	sig	chr14_56795504
chr16	1088578	1088578	+	2.038E-15	2.7664E-14	-0.22739	hypo	sig	chr16_1088578
chr9	1.37E+08	137078946	+	2.039E-15	2.7678E-14	0.313006	hyper	sig	chr9_137078946
chr4	38865654	38865654	+	2.04E-15	2.7681E-14	-0.26734	hypo	sig	chr4_38865654
chr8	90082252	90082252	+	2.041E-15	2.7696E-14	0.275374	hyper	sig	chr8_90082252
chr20	38725120	38725120	+	2.041E-15	2.7697E-14	0.370737	hyper	sig	chr20_38725120
chr2	2.19E+08	218859066	+	2.042E-15	2.7708E-14	0.298706	hyper	sig	chr2_218859066
chr19	9498235	9498235	+	2.042E-15	2.7714E-14	0.29904	hyper	sig	chr19_9498235
chr15	82648744	82648744	+	2.043E-15	2.7723E-14	0.265182	hyper	sig	chr15_82648744
chr8	55102506	55102506	+	2.043E-15	2.7726E-14	0.259253	hyper	sig	chr8_55102506

chr3	62319404	62319404	+	2.044E-15	2.7736E-14	0.226263	hyper	sig	chr3_62319404
chr1	9371576	9371576	+	2.044E-15	2.7743E-14	0.470356	hyper	sig	chr1_9371576
chr1	1.61E+08	161079813	+	2.045E-15	2.7753E-14	0.221914	hyper	sig	chr1_161079813
chr12	1.33E+08	132621184	+	2.046E-15	2.7768E-14	-0.2283	hypo	sig	chr12_132621184
chr16	3055870	3055870	+	2.048E-15	2.7786E-14	0.298269	hyper	sig	chr16_3055870
chr17	79823071	79823071	+	2.048E-15	2.7794E-14	-0.21056	hypo	sig	chr17_79823071
chr19	376532	376532	+	2.05E-15	2.7814E-14	-0.22107	hypo	sig	chr19_376532
chr1	17149333	17149333	+	2.052E-15	2.7835E-14	0.315801	hyper	sig	chr1_17149333
chr11	720494	720494	+	2.052E-15	2.7845E-14	0.236947	hyper	sig	chr11_720494
chr15	78808725	78808725	+	2.053E-15	2.7859E-14	-0.25531	hypo	sig	chr15_78808725
chr5	1.41E+08	141235952	+	2.055E-15	2.7877E-14	0.307459	hyper	sig	chr5_141235952
chr4	5893361	5893361	+	2.055E-15	2.7881E-14	0.236294	hyper	sig	chr4_5893361
chr11	1.2E+08	120124056	+	2.056E-15	2.7887E-14	-0.24303	hypo	sig	chr11_120124056
chr13	1.11E+08	110869709	+	2.056E-15	2.7893E-14	-0.35464	hypo	sig	chr13_110869709
chr16	86558424	86558424	+	2.057E-15	2.7905E-14	-0.22547	hypo	sig	chr16_86558424
chr20	38726617	38726617	+	2.059E-15	2.7935E-14	0.246337	hyper	sig	chr20_38726617
chr1	46493138	46493138	+	2.06E-15	2.7946E-14	0.281062	hyper	sig	chr1_46493138
chr1	2.06E+08	205751354	+	2.063E-15	2.7978E-14	0.221296	hyper	sig	chr1_205751354
chr21	36710827	36710827	+	2.063E-15	2.7984E-14	0.258339	hyper	sig	chr21_36710827
chr7	561827	561827	+	2.064E-15	2.7993E-14	0.300065	hyper	sig	chr7_561827
chr19	53521486	53521486	+	2.064E-15	2.7993E-14	0.293519	hyper	sig	chr19_53521486
chr1	2.08E+08	207823660	+	2.065E-15	2.8007E-14	0.206017	hyper	sig	chr1_207823660
chr4	6329383	6329383	+	2.065E-15	2.8008E-14	-0.28805	hypo	sig	chr4_6329383
chr19	708643	708643	+	2.066E-15	2.8026E-14	0.256569	hyper	sig	chr19_708643
chr19	40624049	40624049	+	2.066E-15	2.8026E-14	-0.26041	hypo	sig	chr19_40624049
chr10	683659	683659	+	2.067E-15	2.803E-14	0.222918	hyper	sig	chr10_683659
chr16	51151566	51151566	+	2.067E-15	2.8037E-14	0.223907	hyper	sig	chr16_51151566
chr18	78976774	78976774	+	2.069E-15	2.8062E-14	0.249874	hyper	sig	chr18_78976774
chr4	1.17E+08	116705316	+	2.069E-15	2.8062E-14	-0.34536	hypo	sig	chr4_116705316
chr2	1.19E+08	118849249	+	2.07E-15	2.8066E-14	0.278501	hyper	sig	chr2_118849249
chr5	1885480	1885480	+	2.07E-15	2.8067E-14	0.29659	hyper	sig	chr5_1885480
chr4	1.11E+08	110614473	+	2.071E-15	2.808E-14	0.273504	hyper	sig	chr4_110614473
chr1	1.21E+08	121116997	+	2.071E-15	2.8081E-14	0.311721	hyper	sig	chr1_121116997
chr1	2.29E+08	229432718	+	2.072E-15	2.8102E-14	0.21776	hyper	sig	chr1_229432718
chr19	35115864	35115864	+	2.074E-15	2.8127E-14	-0.27888	hypo	sig	chr19_35115864
chr4	84497383	84497383	+	2.075E-15	2.8133E-14	0.243702	hyper	sig	chr4_84497383
chr2	2732372	2732372	+	2.075E-15	2.8138E-14	-0.29059	hypo	sig	chr2_2732372
chr9	34457542	34457542	+	2.075E-15	2.8139E-14	0.289031	hyper	sig	chr9_34457542
chr16	1437561	1437561	+	2.076E-15	2.8144E-14	-0.24741	hypo	sig	chr16_1437561
chr10	1.33E+08	133263070	+	2.078E-15	2.8179E-14	-0.21059	hypo	sig	chr10_133263070
chr12	57736555	57736555	+	2.078E-15	2.8179E-14	0.302591	hyper	sig	chr12_57736555
chr13	48502817	48502817	+	2.079E-15	2.8182E-14	-0.20368	hypo	sig	chr13_48502817
chr2	10548120	10548120	+	2.079E-15	2.8187E-14	-0.22541	hypo	sig	chr2_10548120
chr3	1.2E+08	119660373	+	2.08E-15	2.8199E-14	0.204856	hyper	sig	chr3_119660373
chr1	6472540	6472540	+	2.081E-15	2.821E-14	-0.23972	hypo	sig	chr1_6472540
chr1	2855647	2855647	+	2.082E-15	2.8225E-14	0.231776	hyper	sig	chr1_2855647
chr17	40779594	40779594	+	2.083E-15	2.8243E-14	0.219948	hyper	sig	chr17_40779594
chr12	1.3E+08	130339405	+	2.084E-15	2.8246E-14	0.28549	hyper	sig	chr12_130339405
chr9	1.37E+08	136696208	+	2.085E-15	2.8261E-14	-0.21083	hypo	sig	chr9_136696208
chr18	50557624	50557624	+	2.086E-15	2.8275E-14	-0.29936	hypo	sig	chr18_50557624
chr22	23386424	23386424	+	2.087E-15	2.8293E-14	-0.31776	hypo	sig	chr22_23386424
chr10	91298794	91298794	+	2.088E-15	2.8296E-14	0.215349	hyper	sig	chr10_91298794
chr6	1.08E+08	108114968	+	2.088E-15	2.8296E-14	0.273298	hyper	sig	chr6_108114968
chr2	70889655	70889655	+	2.089E-15	2.8311E-14	0.253545	hyper	sig	chr2_70889655
chr7	1.28E+08	128032975	+	2.09E-15	2.8323E-14	0.277824	hyper	sig	chr7_128032975
chr6	1.67E+08	166640824	+	2.09E-15	2.8324E-14	-0.30106	hypo	sig	chr6_166640824

chr7	1.28E+08	128032251	+	2.09E-15	2.8326E-14	0.266248	hyper	sig	chr7_128032251
chr5	1446122	1446122	+	2.09E-15	2.8327E-14	0.256644	hyper	sig	chr5_1446122
chr10	3400570	3400570	+	2.091E-15	2.8332E-14	0.246769	hyper	sig	chr10_3400570
chr16	88151372	88151372	+	2.091E-15	2.8342E-14	-0.25033	hypo	sig	chr16_88151372
chr7	75995109	75995109	+	2.094E-15	2.8372E-14	0.238704	hyper	sig	chr7_75995109
chr10	1.17E+08	117132130	+	2.094E-15	2.8375E-14	0.258294	hyper	sig	chr10_117132130
chr19	45472891	45472891	+	2.096E-15	2.8397E-14	0.302447	hyper	sig	chr19_45472891
chr1	3768755	3768755	+	2.096E-15	2.8402E-14	-0.26705	hypo	sig	chr1_3768755
chr13	25372567	25372567	+	2.096E-15	2.8405E-14	0.349192	hyper	sig	chr13_25372567
chr16	86961374	86961374	+	2.099E-15	2.8445E-14	0.234805	hyper	sig	chr16_86961374
chr4	1.89E+08	189362093	+	2.1E-15	2.8448E-14	0.292943	hyper	sig	chr4_189362093
chr7	35260674	35260674	+	2.1E-15	2.8448E-14	-0.26517	hypo	sig	chr7_35260674
chr3	16174593	16174593	+	2.101E-15	2.8463E-14	0.24765	hyper	sig	chr3_16174593
chr6	1.37E+08	137495930	+	2.101E-15	2.8466E-14	0.288197	hyper	sig	chr6_137495930
chr10	1.23E+08	123142901	+	2.101E-15	2.8468E-14	0.260515	hyper	sig	chr10_123142901
chr5	1.41E+08	141427844	+	2.101E-15	2.8469E-14	0.236634	hyper	sig	chr5_141427844
chr7	1.58E+08	157775511	+	2.103E-15	2.8487E-14	-0.24932	hypo	sig	chr7_157775511
chr19	39265354	39265354	+	2.103E-15	2.8487E-14	0.337056	hyper	sig	chr19_39265354
chr2	1.19E+08	118845325	+	2.104E-15	2.8502E-14	0.28783	hyper	sig	chr2_118845325
chr12	1.04E+08	104303627	+	2.104E-15	2.8508E-14	0.21015	hyper	sig	chr12_104303627
chr17	18982142	18982142	+	2.104E-15	2.8508E-14	-0.21888	hypo	sig	chr17_18982142
chr7	1.01E+08	100868178	+	2.105E-15	2.852E-14	0.312867	hyper	sig	chr7_100868178
chr11	64972264	64972264	+	2.107E-15	2.854E-14	0.257081	hyper	sig	chr11_64972264
chr16	51150468	51150468	+	2.107E-15	2.8549E-14	0.379391	hyper	sig	chr16_51150468
chr11	1.18E+08	117781572	+	2.108E-15	2.8555E-14	-0.24934	hypo	sig	chr11_117781572
chr1	2.21E+08	220881026	+	2.108E-15	2.8558E-14	0.26866	hyper	sig	chr1_220881026
chr20	63178082	63178082	+	2.108E-15	2.856E-14	0.280854	hyper	sig	chr20_63178082
chr6	50722934	50722934	+	2.109E-15	2.8561E-14	0.264207	hyper	sig	chr6_50722934
chr15	73754367	73754367	+	2.109E-15	2.8565E-14	-0.2778	hypo	sig	chr15_73754367
chr20	64106640	64106640	+	2.109E-15	2.8572E-14	-0.24712	hypo	sig	chr20_64106640
chr20	23048616	23048616	+	2.11E-15	2.8576E-14	0.256313	hyper	sig	chr20_23048616
chr5	1.79E+08	179060715	+	2.111E-15	2.8592E-14	0.259832	hyper	sig	chr5_179060715
chr19	6276793	6276793	+	2.112E-15	2.8609E-14	0.263385	hyper	sig	chr19_6276793
chr13	1.13E+08	112721565	+	2.113E-15	2.8625E-14	-0.28765	hypo	sig	chr13_112721565
chr2	8993944	8993944	+	2.114E-15	2.8634E-14	-0.22899	hypo	sig	chr2_8993944
chr7	35254877	35254877	+	2.114E-15	2.8634E-14	0.343422	hyper	sig	chr7_35254877
chr12	1.3E+08	130017043	+	2.115E-15	2.864E-14	-0.22672	hypo	sig	chr12_130017043
chr15	52783281	52783281	+	2.116E-15	2.8662E-14	0.228024	hyper	sig	chr15_52783281
chr6	1.66E+08	165726521	+	2.117E-15	2.8672E-14	0.347968	hyper	sig	chr6_165726521
chr1	38476248	38476248	+	2.118E-15	2.8675E-14	0.246573	hyper	sig	chr1_38476248
chr15	85793400	85793400	+	2.119E-15	2.869E-14	-0.24531	hypo	sig	chr15_85793400
chr16	84507475	84507475	+	2.119E-15	2.869E-14	-0.2641	hypo	sig	chr16_84507475
chr8	23706520	23706520	+	2.119E-15	2.869E-14	0.217214	hyper	sig	chr8_23706520
chr13	1.13E+08	112932160	+	2.119E-15	2.8697E-14	-0.24814	hypo	sig	chr13_112932160
chr13	27821646	27821646	+	2.12E-15	2.8705E-14	0.242063	hyper	sig	chr13_27821646
chr6	1.18E+08	117920480	+	2.12E-15	2.8705E-14	0.245815	hyper	sig	chr6_117920480
chr8	1622625	1622625	+	2.12E-15	2.8708E-14	-0.23359	hypo	sig	chr8_1622625
chr17	30378151	30378151	+	2.122E-15	2.8728E-14	0.206325	hyper	sig	chr17_30378151
chr1	54254286	54254286	+	2.123E-15	2.8743E-14	-0.26936	hypo	sig	chr1_54254286
chr7	1.01E+08	101095602	+	2.123E-15	2.8743E-14	-0.34986	hypo	sig	chr7_101095602
chr11	67665552	67665552	+	2.124E-15	2.875E-14	-0.23675	hypo	sig	chr11_67665552
chr8	1065896	1065896	+	2.126E-15	2.8788E-14	0.293005	hyper	sig	chr8_1065896
chr3	51955795	51955795	+	2.127E-15	2.8791E-14	0.265961	hyper	sig	chr3_51955795
chr3	1.47E+08	147423376	+	2.13E-15	2.884E-14	0.242329	hyper	sig	chr3_147423376
chr1	1.61E+08	161079612	+	2.132E-15	2.8856E-14	0.318292	hyper	sig	chr1_161079612
chr17	50603080	50603080	+	2.132E-15	2.886E-14	-0.22627	hypo	sig	chr17_50603080

chr4	1.88E+08	187613571	+	2.133E-15	2.887E-14	-0.25144	hypo	sig	chr4_187613571
chr16	18983318	18983318	+	2.134E-15	2.8886E-14	-0.30388	hypo	sig	chr16_18983318
chr12	1.03E+08	102950726	+	2.135E-15	2.8894E-14	0.245447	hyper	sig	chr12_102950726
chr13	99955718	99955718	+	2.141E-15	2.8975E-14	0.288639	hyper	sig	chr13_99955718
chr1	1.98E+08	197921478	+	2.141E-15	2.898E-14	0.232128	hyper	sig	chr1_197921478
chr19	7505411	7505411	+	2.141E-15	2.898E-14	-0.20255	hypo	sig	chr19_7505411
chr6	1.08E+08	108174756	+	2.142E-15	2.8988E-14	0.255667	hyper	sig	chr6_108174756
chr3	37994347	37994347	+	2.142E-15	2.8994E-14	0.242574	hyper	sig	chr3_37994347
chr2	65292644	65292644	+	2.143E-15	2.9005E-14	0.243146	hyper	sig	chr2_65292644
chr17	57874798	57874798	+	2.145E-15	2.9027E-14	0.260199	hyper	sig	chr17_57874798
chr20	45097860	45097860	+	2.146E-15	2.9044E-14	0.27142	hyper	sig	chr20_45097860
chr19	33622504	33622504	+	2.147E-15	2.9053E-14	0.265372	hyper	sig	chr19_33622504
chr21	46033388	46033388	+	2.149E-15	2.9078E-14	-0.23569	hypo	sig	chr21_46033388
chr2	2.22E+08	222304758	+	2.149E-15	2.9087E-14	0.236993	hyper	sig	chr2_222304758
chr3	1.95E+08	194688113	+	2.149E-15	2.9087E-14	0.244368	hyper	sig	chr3_194688113
chr21	45030140	45030140	+	2.15E-15	2.9091E-14	-0.32319	hypo	sig	chr21_45030140
chr1	27634496	27634496	+	2.15E-15	2.9092E-14	0.20164	hyper	sig	chr1_27634496
chr7	27163802	27163802	+	2.15E-15	2.9097E-14	0.204254	hyper	sig	chr7_27163802
chr8	41312949	41312949	+	2.153E-15	2.9132E-14	-0.22342	hypo	sig	chr8_41312949
chr7	1810783	1810783	+	2.154E-15	2.9139E-14	0.239981	hyper	sig	chr7_1810783
chr17	58324298	58324298	+	2.154E-15	2.9141E-14	0.266608	hyper	sig	chr17_58324298
chr3	62319360	62319360	+	2.154E-15	2.9148E-14	0.222521	hyper	sig	chr3_62319360
chr6	1.37E+08	137495381	+	2.154E-15	2.9148E-14	0.201179	hyper	sig	chr6_137495381
chr19	18438879	18438879	+	2.156E-15	2.9164E-14	0.221281	hyper	sig	chr19_18438879
chr11	17770271	17770271	+	2.156E-15	2.9174E-14	-0.27002	hypo	sig	chr11_17770271
chr19	41026094	41026094	+	2.158E-15	2.9201E-14	0.225372	hyper	sig	chr19_41026094
chr1	54781663	54781663	+	2.159E-15	2.9209E-14	0.271124	hyper	sig	chr1_54781663
chr2	29920097	29920097	+	2.162E-15	2.9253E-14	0.344316	hyper	sig	chr2_29920097
chr2	85667925	85667925	+	2.164E-15	2.9273E-14	-0.22781	hypo	sig	chr2_85667925
chr10	84237529	84237529	+	2.164E-15	2.9279E-14	0.256561	hyper	sig	chr10_84237529
chr3	5096053	5096053	+	2.166E-15	2.9297E-14	0.238913	hyper	sig	chr3_5096053
chr13	29505615	29505615	+	2.168E-15	2.9335E-14	-0.25735	hypo	sig	chr13_29505615
chr12	80400802	80400802	+	2.17E-15	2.9351E-14	0.241265	hyper	sig	chr12_80400802
chr2	10429044	10429044	+	2.17E-15	2.9351E-14	-0.24694	hypo	sig	chr2_10429044
chr7	4712408	4712408	+	2.17E-15	2.9351E-14	-0.20184	hypo	sig	chr7_4712408
chr4	1.25E+08	125317099	+	2.17E-15	2.9357E-14	0.235946	hyper	sig	chr4_125317099
chr14	1.04E+08	103718814	+	2.17E-15	2.9358E-14	0.273804	hyper	sig	chr14_103718814
chr12	47935440	47935440	+	2.172E-15	2.9375E-14	0.247215	hyper	sig	chr12_47935440
chr7	1.58E+08	157983815	+	2.172E-15	2.9376E-14	0.230722	hyper	sig	chr7_157983815
chr17	43400195	43400195	+	2.173E-15	2.9388E-14	0.34471	hyper	sig	chr17_43400195
chr5	31639772	31639772	+	2.173E-15	2.939E-14	0.301494	hyper	sig	chr5_31639772
chr20	63392825	63392825	+	2.175E-15	2.9423E-14	-0.2814	hypo	sig	chr20_63392825
chr6	1.68E+08	167722008	+	2.176E-15	2.9434E-14	-0.21467	hypo	sig	chr6_167722008
chr10	773657	773657	+	2.177E-15	2.9442E-14	-0.30052	hypo	sig	chr10_773657
chr16	29133043	29133043	+	2.177E-15	2.9443E-14	-0.27168	hypo	sig	chr16_29133043
chr13	1.14E+08	114005314	+	2.177E-15	2.9448E-14	-0.32649	hypo	sig	chr13_114005314
chr9	92807288	92807288	+	2.178E-15	2.9457E-14	0.261485	hyper	sig	chr9_92807288
chr11	1869633	1869633	+	2.179E-15	2.947E-14	-0.38162	hypo	sig	chr11_1869633
chr7	2721079	2721079	+	2.18E-15	2.9484E-14	-0.22339	hypo	sig	chr7_2721079
chr12	1.21E+08	120650533	+	2.181E-15	2.9497E-14	0.220343	hyper	sig	chr12_120650533
chr13	24719158	24719158	+	2.182E-15	2.951E-14	-0.25258	hypo	sig	chr13_24719158
chr3	1.3E+08	129594034	+	2.183E-15	2.9523E-14	-0.23478	hypo	sig	chr3_129594034
chr18	11752220	11752220	+	2.184E-15	2.9539E-14	0.276389	hyper	sig	chr18_11752220
chr5	73444948	73444948	+	2.185E-15	2.9547E-14	0.295189	hyper	sig	chr5_73444948
chr10	72009317	72009317	+	2.186E-15	2.9565E-14	0.29369	hyper	sig	chr10_72009317
chr19	41888326	41888326	+	2.188E-15	2.9591E-14	-0.35317	hypo	sig	chr19_41888326

chr7	1.43E+08	142871300	+	2.189E-15	2.9597E-14	-0.3154	hypo	sig	chr7_142871300
chr5	1.33E+08	132748049	+	2.192E-15	2.9633E-14	-0.30796	hypo	sig	chr5_132748049
chr20	63395069	63395069	+	2.192E-15	2.9633E-14	-0.23759	hypo	sig	chr20_63395069
chr2	2.39E+08	239041471	+	2.196E-15	2.969E-14	-0.25572	hypo	sig	chr2_239041471
chr4	1405439	1405439	+	2.197E-15	2.9698E-14	0.277604	hyper	sig	chr4_1405439
chr9	87824973	87824973	+	2.197E-15	2.9701E-14	-0.24061	hypo	sig	chr9_87824973
chr7	119251	119251	+	2.197E-15	2.9707E-14	-0.35167	hypo	sig	chr7_119251
chr2	38038531	38038531	+	2.197E-15	2.9708E-14	0.257654	hyper	sig	chr2_38038531
chr2	2.33E+08	233013183	+	2.198E-15	2.9711E-14	-0.23918	hypo	sig	chr2_233013183
chr13	21260983	21260983	+	2.198E-15	2.9713E-14	-0.23247	hypo	sig	chr13_21260983
chr20	33167142	33167142	+	2.2E-15	2.9744E-14	-0.28439	hypo	sig	chr20_33167142
chr2	65292560	65292560	+	2.203E-15	2.9783E-14	0.282892	hyper	sig	chr2_65292560
chr5	1.71E+08	171307872	+	2.203E-15	2.9784E-14	0.284836	hyper	sig	chr5_171307872
chr1	1.1E+08	109739652	+	2.204E-15	2.979E-14	0.251081	hyper	sig	chr1_109739652
chr7	1224449	1224449	+	2.204E-15	2.979E-14	0.260909	hyper	sig	chr7_1224449
chr2	27126366	27126366	+	2.204E-15	2.9795E-14	-0.23229	hypo	sig	chr2_27126366
chr7	1452138	1452138	+	2.205E-15	2.9806E-14	0.293691	hyper	sig	chr7_1452138
chr19	48491584	48491584	+	2.205E-15	2.9809E-14	0.280169	hyper	sig	chr19_48491584
chr5	1.75E+08	174732672	+	2.206E-15	2.9814E-14	0.287712	hyper	sig	chr5_174732672
chr15	89367944	89367944	+	2.207E-15	2.9837E-14	0.203118	hyper	sig	chr15_89367944
chr9	1.28E+08	127913159	+	2.208E-15	2.9849E-14	-0.29201	hypo	sig	chr9_127913159
chr14	30875835	30875835	+	2.209E-15	2.986E-14	0.288115	hyper	sig	chr14_30875835
chr7	19144900	19144900	+	2.21E-15	2.9869E-14	0.240091	hyper	sig	chr7_19144900
chr2	2.39E+08	239349581	+	2.211E-15	2.9877E-14	0.257848	hyper	sig	chr2_239349581
chr9	1.31E+08	131274829	+	2.211E-15	2.9887E-14	-0.24171	hypo	sig	chr9_131274829
chr5	1.41E+08	141365007	+	2.212E-15	2.9894E-14	0.287194	hyper	sig	chr5_141365007
chr14	1.04E+08	103699007	+	2.213E-15	2.9902E-14	-0.20389	hypo	sig	chr14_103699007
chr5	1553052	1553052	+	2.214E-15	2.9915E-14	0.2044	hyper	sig	chr5_1553052
chr4	212550	212550	+	2.214E-15	2.992E-14	0.248902	hyper	sig	chr4_212550
chr17	55845689	55845689	+	2.214E-15	2.992E-14	0.312973	hyper	sig	chr17_55845689
chr19	34578805	34578805	+	2.214E-15	2.9921E-14	-0.22075	hypo	sig	chr19_34578805
chr11	1.14E+08	114257202	+	2.215E-15	2.9926E-14	-0.29586	hypo	sig	chr11_114257202
chr5	77973074	77973074	+	2.215E-15	2.9926E-14	0.213294	hyper	sig	chr5_77973074
chr11	6571443	6571443	+	2.215E-15	2.9937E-14	0.265121	hyper	sig	chr11_6571443
chr11	313478	313478	+	2.216E-15	2.9944E-14	-0.24472	hypo	sig	chr11_313478
chr3	96814992	96814992	+	2.218E-15	2.9968E-14	0.293568	hyper	sig	chr3_96814992
chr4	6033101	6033101	+	2.222E-15	3.0025E-14	-0.26023	hypo	sig	chr4_6033101
chr14	1.04E+08	104358138	+	2.222E-15	3.0026E-14	-0.24884	hypo	sig	chr14_104358138
chr20	63801854	63801854	+	2.223E-15	3.0033E-14	-0.30955	hypo	sig	chr20_63801854
chr2	1.3E+08	129587506	+	2.224E-15	3.0047E-14	0.280087	hyper	sig	chr2_129587506
chr9	1.32E+08	132488537	+	2.224E-15	3.005E-14	-0.35075	hypo	sig	chr9_132488537
chr19	2772071	2772071	+	2.228E-15	3.0103E-14	0.307101	hyper	sig	chr19_2772071
chr16	67651500	67651500	+	2.228E-15	3.0103E-14	-0.2562	hypo	sig	chr16_67651500
chr11	46296339	46296339	+	2.228E-15	3.0104E-14	0.235667	hyper	sig	chr11_46296339
chr16	1104965	1104965	+	2.23E-15	3.0133E-14	-0.29801	hypo	sig	chr16_1104965
chr13	51066054	51066054	+	2.231E-15	3.0134E-14	-0.26223	hypo	sig	chr13_51066054
chr10	1.3E+08	129946198	+	2.234E-15	3.018E-14	0.252388	hyper	sig	chr10_129946198
chr1	43285833	43285833	+	2.234E-15	3.0183E-14	-0.22758	hypo	sig	chr1_43285833
chr10	95231101	95231101	+	2.235E-15	3.0189E-14	0.270833	hyper	sig	chr10_95231101
chr8	54454230	54454230	+	2.236E-15	3.0199E-14	0.342495	hyper	sig	chr8_54454230
chr13	1.13E+08	113022774	+	2.236E-15	3.02E-14	0.273704	hyper	sig	chr13_113022774
chr20	21103763	21103763	+	2.236E-15	3.02E-14	0.29377	hyper	sig	chr20_21103763
chr16	85005014	85005014	+	2.237E-15	3.0214E-14	0.240167	hyper	sig	chr16_85005014
chr7	1331137	1331137	+	2.238E-15	3.0225E-14	0.295249	hyper	sig	chr7_1331137
chr19	29528804	29528804	+	2.238E-15	3.0234E-14	0.230616	hyper	sig	chr19_29528804
chr10	68562153	68562153	+	2.24E-15	3.0252E-14	0.302861	hyper	sig	chr10_68562153

chr1	24535345	24535345	+	2.241E-15	3.0261E-14	-0.2088	hypo	sig	chr1_24535345
chr16	53542330	53542330	+	2.242E-15	3.0277E-14	-0.24158	hypo	sig	chr16_53542330
chr7	72969671	72969671	+	2.243E-15	3.0291E-14	0.350505	hyper	sig	chr7_72969671
chr13	91399201	91399201	+	2.243E-15	3.0291E-14	0.230505	hyper	sig	chr13_91399201
chr6	3156315	3156315	+	2.243E-15	3.0293E-14	0.273188	hyper	sig	chr6_3156315
chr10	79242858	79242858	+	2.244E-15	3.03E-14	0.214013	hyper	sig	chr10_79242858
chr17	1977686	1977686	+	2.244E-15	3.0303E-14	0.246632	hyper	sig	chr17_1977686
chr19	1009798	1009798	+	2.244E-15	3.0305E-14	0.240803	hyper	sig	chr19_1009798
chr1	40133107	40133107	+	2.247E-15	3.035E-14	0.284463	hyper	sig	chr1_40133107
chr19	15224129	15224129	+	2.249E-15	3.0365E-14	0.352702	hyper	sig	chr19_15224129
chr13	78595831	78595831	+	2.249E-15	3.0369E-14	0.223077	hyper	sig	chr13_78595831
chr11	1.23E+08	123431099	+	2.251E-15	3.0393E-14	0.224554	hyper	sig	chr11_123431099
chr17	1231617	1231617	+	2.251E-15	3.0394E-14	-0.25548	hypo	sig	chr17_1231617
chr7	2734929	2734929	+	2.252E-15	3.0404E-14	0.249615	hyper	sig	chr7_2734929
chr16	89202456	89202456	+	2.253E-15	3.0424E-14	0.235843	hyper	sig	chr16_89202456
chr5	1.16E+08	115961944	+	2.253E-15	3.0427E-14	0.305234	hyper	sig	chr5_115961944
chr10	1.3E+08	129525627	+	2.255E-15	3.0441E-14	0.268926	hyper	sig	chr10_129525627
chr7	98251180	98251180	+	2.255E-15	3.0441E-14	-0.27838	hypo	sig	chr7_98251180
chr7	1.04E+08	103989104	+	2.256E-15	3.0461E-14	0.238166	hyper	sig	chr7_103989104
chr14	1.05E+08	105249415	+	2.256E-15	3.0461E-14	0.274689	hyper	sig	chr14_105249415
chr1	54886066	54886066	+	2.257E-15	3.0471E-14	-0.3647	hypo	sig	chr1_54886066
chr11	2271905	2271905	+	2.257E-15	3.0474E-14	0.216078	hyper	sig	chr11_2271905
chr10	1.33E+08	133095170	+	2.257E-15	3.0475E-14	-0.25612	hypo	sig	chr10_133095170
chr12	1.32E+08	132446049	+	2.261E-15	3.0528E-14	-0.21995	hypo	sig	chr12_132446049
chr20	63775111	63775111	+	2.264E-15	3.056E-14	0.230786	hyper	sig	chr20_63775111
chr5	1.5E+08	149938106	+	2.264E-15	3.0564E-14	-0.22716	hypo	sig	chr5_149938106
chr17	49972581	49972581	+	2.265E-15	3.0573E-14	0.226442	hyper	sig	chr17_49972581
chr6	1.39E+08	139126532	+	2.265E-15	3.0577E-14	-0.25571	hypo	sig	chr6_139126532
chr15	99925787	99925787	+	2.265E-15	3.0579E-14	0.241077	hyper	sig	chr15_99925787
chr11	27720712	27720712	+	2.266E-15	3.0591E-14	0.209773	hyper	sig	chr11_27720712
chr2	1.32E+08	131830068	+	2.268E-15	3.0616E-14	0.303936	hyper	sig	chr2_131830068
chr17	49963931	49963931	+	2.269E-15	3.0626E-14	0.373478	hyper	sig	chr17_49963931
chr18	37257197	37257197	+	2.27E-15	3.0634E-14	-0.22287	hypo	sig	chr18_37257197
chr3	58586979	58586979	+	2.27E-15	3.0639E-14	0.290476	hyper	sig	chr3_58586979
chr16	55330931	55330931	+	2.271E-15	3.0652E-14	0.276795	hyper	sig	chr16_55330931
chr7	1.28E+08	128201534	+	2.272E-15	3.0665E-14	0.303646	hyper	sig	chr7_128201534
chr10	1.28E+08	128476284	+	2.273E-15	3.0677E-14	-0.23469	hypo	sig	chr10_128476284
chr7	922916	922916	+	2.274E-15	3.0682E-14	-0.22399	hypo	sig	chr7_922916
chr19	35944692	35944692	+	2.274E-15	3.0688E-14	0.244219	hyper	sig	chr19_35944692
chr4	1.12E+08	112379397	+	2.274E-15	3.069E-14	0.233678	hyper	sig	chr4_112379397
chr11	1927748	1927748	+	2.277E-15	3.0729E-14	-0.2683	hypo	sig	chr11_1927748
chr1	1.71E+08	170662200	+	2.278E-15	3.0741E-14	0.233131	hyper	sig	chr1_170662200
chr14	89028460	89028460	+	2.278E-15	3.0744E-14	-0.22243	hypo	sig	chr14_89028460
chr19	38733763	38733763	+	2.28E-15	3.077E-14	-0.25053	hypo	sig	chr19_38733763
chr7	1707076	1707076	+	2.281E-15	3.0779E-14	-0.2583	hypo	sig	chr7_1707076
chr4	48484155	48484155	+	2.284E-15	3.0817E-14	0.227647	hyper	sig	chr4_48484155
chr6	35493804	35493804	+	2.284E-15	3.0824E-14	0.276484	hyper	sig	chr6_35493804
chr7	1.52E+08	151781647	+	2.288E-15	3.0868E-14	-0.27064	hypo	sig	chr7_151781647
chr20	64062611	64062611	+	2.288E-15	3.0871E-14	0.253548	hyper	sig	chr20_64062611
chr7	64942850	64942850	+	2.289E-15	3.0881E-14	0.215325	hyper	sig	chr7_64942850
chr7	590918	590918	+	2.289E-15	3.0883E-14	0.220841	hyper	sig	chr7_590918
chr13	94707722	94707722	+	2.289E-15	3.0886E-14	0.319633	hyper	sig	chr13_94707722
chr22	42289930	42289930	+	2.29E-15	3.09E-14	0.231119	hyper	sig	chr22_42289930
chr6	1.5E+08	149940908	+	2.291E-15	3.0912E-14	0.223625	hyper	sig	chr6_149940908
chr14	1.01E+08	101062187	+	2.291E-15	3.0913E-14	-0.24749	hypo	sig	chr14_101062187
chr12	1.14E+08	114400809	+	2.292E-15	3.0921E-14	0.211091	hyper	sig	chr12_114400809

chr1	1161337	1161337	+	2.293E-15	3.093E-14	-0.23738	hypo	sig	chr1_1161337
chr3	47579522	47579522	+	2.293E-15	3.093E-14	0.208778	hyper	sig	chr3_47579522
chr2	2.06E+08	206203696	+	2.296E-15	3.0967E-14	-0.22259	hypo	sig	chr2_206203696
chr11	626174	626174	+	2.297E-15	3.0991E-14	-0.30827	hypo	sig	chr11_626174
chr17	44915234	44915234	+	2.298E-15	3.0997E-14	-0.21719	hypo	sig	chr17_44915234
chr4	1099818	1099818	+	2.299E-15	3.1014E-14	-0.27304	hypo	sig	chr4_1099818
chr12	53966600	53966600	+	2.301E-15	3.1031E-14	0.401939	hyper	sig	chr12_53966600
chr2	1.19E+08	118843420	+	2.302E-15	3.1046E-14	0.426891	hyper	sig	chr2_118843420
chr12	65729525	65729525	+	2.303E-15	3.1065E-14	0.267808	hyper	sig	chr12_65729525
chr17	78140943	78140943	+	2.307E-15	3.1115E-14	-0.30581	hypo	sig	chr17_78140943
chr1	26863636	26863636	+	2.309E-15	3.1141E-14	-0.24031	hypo	sig	chr1_26863636
chr2	1.19E+08	118841901	+	2.311E-15	3.1163E-14	0.223675	hyper	sig	chr2_118841901
chr1	3247879	3247879	+	2.311E-15	3.1172E-14	0.208467	hyper	sig	chr1_3247879
chr20	1302811	1302811	+	2.311E-15	3.1172E-14	-0.22383	hypo	sig	chr20_1302811
chr7	66152375	66152375	+	2.316E-15	3.1234E-14	0.212878	hyper	sig	chr7_66152375
chr13	1.11E+08	110526018	+	2.316E-15	3.1238E-14	-0.29207	hypo	sig	chr13_110526018
chr1	2.36E+08	236394458	+	2.317E-15	3.1243E-14	-0.22705	hypo	sig	chr1_236394458
chr15	98651265	98651265	+	2.318E-15	3.1262E-14	0.209327	hyper	sig	chr15_98651265
chr2	63053904	63053904	+	2.318E-15	3.1264E-14	0.322836	hyper	sig	chr2_63053904
chr11	1338879	1338879	+	2.319E-15	3.1274E-14	-0.28106	hypo	sig	chr11_1338879
chr16	3188410	3188410	+	2.325E-15	3.1356E-14	0.220796	hyper	sig	chr16_3188410
chr12	45051376	45051376	+	2.326E-15	3.1371E-14	0.214537	hyper	sig	chr12_45051376
chr4	1.44E+08	143700273	+	2.327E-15	3.1373E-14	0.293046	hyper	sig	chr4_143700273
chr11	32426609	32426609	+	2.327E-15	3.138E-14	0.357722	hyper	sig	chr11_32426609
chr2	1.19E+08	118845253	+	2.329E-15	3.1401E-14	0.235068	hyper	sig	chr2_118845253
chr7	23247854	23247854	+	2.329E-15	3.1407E-14	0.229529	hyper	sig	chr7_23247854
chr5	1.41E+08	141350512	+	2.33E-15	3.1416E-14	0.257857	hyper	sig	chr5_141350512
chr16	70451145	70451145	+	2.33E-15	3.1417E-14	0.278995	hyper	sig	chr16_70451145
chr19	45815247	45815247	+	2.33E-15	3.1419E-14	0.285714	hyper	sig	chr19_45815247
chr14	95047530	95047530	+	2.331E-15	3.143E-14	0.333059	hyper	sig	chr14_95047530
chr5	39270613	39270613	+	2.333E-15	3.1451E-14	-0.25389	hypo	sig	chr5_39270613
chr16	1149912	1149912	+	2.335E-15	3.1476E-14	0.21906	hyper	sig	chr16_1149912
chr11	10693902	10693902	+	2.335E-15	3.1479E-14	0.25492	hyper	sig	chr11_10693902
chr3	43998449	43998449	+	2.336E-15	3.1488E-14	0.223356	hyper	sig	chr3_43998449
chr6	36285276	36285276	+	2.336E-15	3.1491E-14	0.26493	hyper	sig	chr6_36285276
chr12	1.31E+08	131217112	+	2.339E-15	3.153E-14	0.232975	hyper	sig	chr12_131217112
chr19	53995570	53995570	+	2.34E-15	3.1549E-14	-0.214	hypo	sig	chr19_53995570
chr10	81875562	81875562	+	2.343E-15	3.1589E-14	0.205774	hyper	sig	chr10_81875562
chr7	6620154	6620154	+	2.345E-15	3.1615E-14	-0.241	hypo	sig	chr7_6620154
chr11	18792478	18792478	+	2.345E-15	3.1616E-14	0.24221	hyper	sig	chr11_18792478
chr16	5233417	5233417	+	2.346E-15	3.1618E-14	-0.25951	hypo	sig	chr16_5233417
chr1	1.47E+08	147079677	+	2.346E-15	3.162E-14	0.369508	hyper	sig	chr1_147079677
chr1	6124937	6124937	+	2.347E-15	3.1631E-14	-0.24439	hypo	sig	chr1_6124937
chr2	1E+08	100321318	+	2.348E-15	3.1642E-14	0.300681	hyper	sig	chr2_100321318
chr5	1.68E+08	168288552	+	2.348E-15	3.1649E-14	-0.27048	hypo	sig	chr5_168288552
chr10	1.18E+08	117532747	+	2.349E-15	3.1655E-14	0.238842	hyper	sig	chr10_117532747
chr2	2.4E+08	239803723	+	2.351E-15	3.1687E-14	-0.20795	hypo	sig	chr2_239803723
chr14	56808366	56808366	+	2.352E-15	3.1696E-14	0.27766	hyper	sig	chr14_56808366
chr5	37837876	37837876	+	2.352E-15	3.17E-14	0.206157	hyper	sig	chr5_37837876
chr17	60139279	60139279	+	2.353E-15	3.1706E-14	0.228314	hyper	sig	chr17_60139279
chr1	46544365	46544365	+	2.354E-15	3.1722E-14	0.318269	hyper	sig	chr1_46544365
chr14	37622580	37622580	+	2.354E-15	3.1729E-14	0.322176	hyper	sig	chr14_37622580
chr6	34146112	34146112	+	2.354E-15	3.1729E-14	0.297104	hyper	sig	chr6_34146112
chr15	90884822	90884822	+	2.356E-15	3.1751E-14	0.309418	hyper	sig	chr15_90884822
chr11	1.29E+08	128876339	+	2.358E-15	3.1774E-14	-0.21907	hypo	sig	chr11_128876339
chr4	1.33E+08	133148315	+	2.358E-15	3.1777E-14	0.257337	hyper	sig	chr4_133148315

chr16	2235772	2235772	+	2.36E-15	3.1796E-14	-0.23232	hypo	sig	chr16_2235772
chr18	76445816	76445816	+	2.36E-15	3.1802E-14	0.25761	hyper	sig	chr18_76445816
chr15	89377726	89377726	+	2.363E-15	3.1836E-14	0.257155	hyper	sig	chr15_89377726
chr1	2E+08	200042211	+	2.363E-15	3.184E-14	0.264405	hyper	sig	chr1_200042211
chr1	57423370	57423370	+	2.365E-15	3.1865E-14	0.246355	hyper	sig	chr1_57423370
chr17	74671144	74671144	+	2.365E-15	3.1868E-14	0.295282	hyper	sig	chr17_74671144
chr12	1.33E+08	132908316	+	2.366E-15	3.1871E-14	0.204899	hyper	sig	chr12_132908316
chr1	2073962	2073962	+	2.366E-15	3.1874E-14	0.329781	hyper	sig	chr1_2073962
chr17	78140883	78140883	+	2.367E-15	3.1886E-14	-0.24139	hypo	sig	chr17_78140883
chr11	2527735	2527735	+	2.368E-15	3.1905E-14	-0.21603	hypo	sig	chr11_2527735
chr11	1.12E+08	112499787	+	2.368E-15	3.1905E-14	-0.28954	hypo	sig	chr11_112499787
chr3	94937502	94937502	+	2.369E-15	3.1913E-14	-0.27589	hypo	sig	chr3_94937502
chr2	2.37E+08	236507709	+	2.37E-15	3.1922E-14	0.302152	hyper	sig	chr2_236507709
chr5	1409772	1409772	+	2.37E-15	3.1928E-14	0.27285	hyper	sig	chr5_1409772
chr5	88689820	88689820	+	2.372E-15	3.196E-14	0.299059	hyper	sig	chr5_88689820
chr10	1.33E+08	132544751	+	2.374E-15	3.1981E-14	0.282025	hyper	sig	chr10_132544751
chr19	39204155	39204155	+	2.375E-15	3.1986E-14	0.248755	hyper	sig	chr19_39204155
chr17	13602273	13602273	+	2.377E-15	3.2015E-14	0.258838	hyper	sig	chr17_13602273
chr5	1.41E+08	141352397	+	2.377E-15	3.2018E-14	0.305487	hyper	sig	chr5_141352397
chr10	1411647	1411647	+	2.378E-15	3.2027E-14	-0.26459	hypo	sig	chr10_1411647
chr17	19452337	19452337	+	2.378E-15	3.2029E-14	-0.24691	hypo	sig	chr17_19452337
chr6	1.08E+08	108116813	+	2.38E-15	3.2056E-14	0.226483	hyper	sig	chr6_108116813
chr17	79140752	79140752	+	2.381E-15	3.2065E-14	-0.28313	hypo	sig	chr17_79140752
chr1	1.19E+08	118980248	+	2.381E-15	3.2067E-14	0.334615	hyper	sig	chr1_118980248
chr3	1.96E+08	195720016	+	2.382E-15	3.2078E-14	-0.28891	hypo	sig	chr3_195720016
chr19	40224568	40224568	+	2.382E-15	3.2082E-14	-0.30676	hypo	sig	chr19_40224568
chr7	27206128	27206128	+	2.382E-15	3.2086E-14	-0.21362	hypo	sig	chr7_27206128
chr9	91158462	91158462	+	2.383E-15	3.2088E-14	-0.28914	hypo	sig	chr9_91158462
chr5	79690002	79690002	+	2.383E-15	3.2093E-14	0.436499	hyper	sig	chr5_79690002
chr7	1.58E+08	158450997	+	2.387E-15	3.2141E-14	-0.272	hypo	sig	chr7_158450997
chr14	44911991	44911991	+	2.389E-15	3.2164E-14	0.325565	hyper	sig	chr14_44911991
chr2	11670336	11670336	+	2.389E-15	3.2164E-14	0.2705	hyper	sig	chr2_11670336
chr3	58440023	58440023	+	2.389E-15	3.2172E-14	-0.28132	hypo	sig	chr3_58440023
chr7	65764626	65764626	+	2.39E-15	3.2189E-14	0.264869	hyper	sig	chr7_65764626
chr17	48047409	48047409	+	2.391E-15	3.219E-14	0.221536	hyper	sig	chr17_48047409
chr2	96500795	96500795	+	2.391E-15	3.2196E-14	0.343221	hyper	sig	chr2_96500795
chr22	19758683	19758683	+	2.393E-15	3.2218E-14	0.298644	hyper	sig	chr22_19758683
chr5	3606439	3606439	+	2.394E-15	3.2231E-14	0.274162	hyper	sig	chr5_3606439
chr15	1.01E+08	100849149	+	2.394E-15	3.2234E-14	0.237455	hyper	sig	chr15_100849149
chr16	1941307	1941307	+	2.395E-15	3.2246E-14	-0.20858	hypo	sig	chr16_1941307
chr4	1.84E+08	183987697	+	2.395E-15	3.2251E-14	0.220271	hyper	sig	chr4_183987697
chr3	42935392	42935392	+	2.395E-15	3.2251E-14	-0.26833	hypo	sig	chr3_42935392
chr19	20661233	20661233	+	2.396E-15	3.2261E-14	0.241669	hyper	sig	chr19_20661233
chr19	28794076	28794076	+	2.397E-15	3.2271E-14	0.305321	hyper	sig	chr19_28794076
chr11	76186383	76186383	+	2.4E-15	3.2313E-14	0.260628	hyper	sig	chr11_76186383
chr17	82968225	82968225	+	2.401E-15	3.2326E-14	0.224532	hyper	sig	chr17_82968225
chr1	2894989	2894989	+	2.403E-15	3.2343E-14	-0.27554	hypo	sig	chr1_2894989
chr7	1.51E+08	151383953	+	2.405E-15	3.2377E-14	-0.23303	hypo	sig	chr7_151383953
chr8	1.15E+08	115036847	+	2.405E-15	3.2379E-14	0.27634	hyper	sig	chr8_115036847
chr8	52413745	52413745	+	2.407E-15	3.2398E-14	0.210809	hyper	sig	chr8_52413745
chr21	42668838	42668838	+	2.407E-15	3.2404E-14	0.230193	hyper	sig	chr21_42668838
chr12	1.18E+08	118108298	+	2.408E-15	3.2417E-14	-0.31214	hypo	sig	chr12_118108298
chr1	16535572	16535572	+	2.408E-15	3.242E-14	0.258481	hyper	sig	chr1_16535572
chr20	1933585	1933585	+	2.409E-15	3.2422E-14	0.241358	hyper	sig	chr20_1933585
chr12	43572004	43572004	+	2.41E-15	3.2443E-14	0.230243	hyper	sig	chr12_43572004
chr16	88842062	88842062	+	2.41E-15	3.2444E-14	-0.27888	hypo	sig	chr16_88842062

chr16	88416260	88416260	+	2.411E-15	3.2445E-14	-0.25046	hypo	sig	chr16_88416260
chr19	40226341	40226341	+	2.411E-15	3.2453E-14	0.234895	hyper	sig	chr19_40226341
chr3	37994340	37994340	+	2.411E-15	3.2456E-14	0.244354	hyper	sig	chr3_37994340
chr11	1.29E+08	128824212	+	2.413E-15	3.2478E-14	0.325555	hyper	sig	chr11_128824212
chr7	6536722	6536722	+	2.414E-15	3.2483E-14	0.258168	hyper	sig	chr7_6536722
chr17	34634860	34634860	+	2.415E-15	3.2506E-14	-0.29554	hypo	sig	chr17_34634860
chr2	1.68E+08	168244380	+	2.416E-15	3.2507E-14	-0.221	hypo	sig	chr2_168244380
chr10	1.32E+08	132078902	+	2.421E-15	3.2576E-14	0.264238	hyper	sig	chr10_132078902
chr2	2.08E+08	208407164	+	2.421E-15	3.258E-14	0.234898	hyper	sig	chr2_208407164
chr8	13566533	13566533	+	2.422E-15	3.2597E-14	0.237253	hyper	sig	chr8_13566533
chr5	1107692	1107692	+	2.424E-15	3.2616E-14	-0.30826	hypo	sig	chr5_1107692
chr17	4901079	4901079	+	2.424E-15	3.2617E-14	0.265221	hyper	sig	chr17_4901079
chr10	27414557	27414557	+	2.424E-15	3.2618E-14	-0.20033	hypo	sig	chr10_27414557
chr2	47571361	47571361	+	2.425E-15	3.2634E-14	0.211141	hyper	sig	chr2_47571361
chr1	3360003	3360003	+	2.426E-15	3.2646E-14	-0.24651	hypo	sig	chr1_3360003
chr11	2386014	2386014	+	2.427E-15	3.2654E-14	0.264199	hyper	sig	chr11_2386014
chr7	5238690	5238690	+	2.427E-15	3.2654E-14	-0.24428	hypo	sig	chr7_5238690
chr3	1.33E+08	133038204	+	2.427E-15	3.266E-14	0.220653	hyper	sig	chr3_133038204
chr19	58367743	58367743	+	2.43E-15	3.2694E-14	0.266858	hyper	sig	chr19_58367743
chr10	23192661	23192661	+	2.431E-15	3.2701E-14	0.31732	hyper	sig	chr10_23192661
chr7	1.59E+08	159007024	+	2.432E-15	3.2713E-14	-0.2517	hypo	sig	chr7_159007024
chr3	1.33E+08	133037955	+	2.433E-15	3.2728E-14	0.245217	hyper	sig	chr3_133037955
chr10	1.01E+08	101146011	+	2.434E-15	3.2742E-14	0.250892	hyper	sig	chr10_101146011
chr2	2.32E+08	232487211	+	2.436E-15	3.2774E-14	0.211594	hyper	sig	chr2_232487211
chr1	46467158	46467158	+	2.437E-15	3.2786E-14	0.201195	hyper	sig	chr1_46467158
chr5	5139509	5139509	+	2.44E-15	3.2816E-14	0.3031	hyper	sig	chr5_5139509
chr10	3288293	3288293	+	2.44E-15	3.2827E-14	-0.32134	hypo	sig	chr10_3288293
chr12	51392793	51392793	+	2.443E-15	3.2854E-14	-0.23009	hypo	sig	chr12_51392793
chr4	84497369	84497369	+	2.443E-15	3.2862E-14	0.239898	hyper	sig	chr4_84497369
chr20	21515980	21515980	+	2.444E-15	3.2877E-14	0.240714	hyper	sig	chr20_21515980
chr21	41762879	41762879	+	2.445E-15	3.2888E-14	0.2389	hyper	sig	chr21_41762879
chr17	50202963	50202963	+	2.446E-15	3.2894E-14	-0.25677	hypo	sig	chr17_50202963
chr8	1452120	1452120	+	2.446E-15	3.2896E-14	-0.2532	hypo	sig	chr8_1452120
chr14	1.05E+08	105317307	+	2.448E-15	3.2922E-14	0.212719	hyper	sig	chr14_105317307
chr7	20793486	20793486	+	2.449E-15	3.2933E-14	0.302717	hyper	sig	chr7_20793486
chr2	2.28E+08	228181974	+	2.45E-15	3.2946E-14	0.327852	hyper	sig	chr2_228181974
chr9	1.35E+08	134819216	+	2.45E-15	3.2953E-14	-0.33786	hypo	sig	chr9_134819216
chr1	63330134	63330134	+	2.45E-15	3.2955E-14	0.286349	hyper	sig	chr1_63330134
chr10	590535	590535	+	2.451E-15	3.2957E-14	-0.2509	hypo	sig	chr10_590535
chr7	120673	120673	+	2.452E-15	3.2975E-14	-0.33018	hypo	sig	chr7_120673
chr2	1E+08	100321177	+	2.453E-15	3.2985E-14	0.206075	hyper	sig	chr2_100321177
chr5	32712788	32712788	+	2.454E-15	3.3004E-14	0.26514	hyper	sig	chr5_32712788
chr18	50733771	50733771	+	2.456E-15	3.302E-14	-0.26196	hypo	sig	chr18_50733771
chr13	44403933	44403933	+	2.457E-15	3.3045E-14	-0.23616	hypo	sig	chr13_44403933
chr6	1.7E+08	170423096	+	2.458E-15	3.3058E-14	0.282561	hyper	sig	chr6_170423096
chr2	1.71E+08	170821737	+	2.459E-15	3.3069E-14	0.320492	hyper	sig	chr2_170821737
chr1	63320388	63320388	+	2.46E-15	3.3078E-14	0.204435	hyper	sig	chr1_63320388
chr16	88316342	88316342	+	2.462E-15	3.31E-14	-0.27189	hypo	sig	chr16_88316342
chr13	70108393	70108393	+	2.463E-15	3.3109E-14	0.262196	hyper	sig	chr13_70108393
chr1	2.45E+08	245371512	+	2.465E-15	3.314E-14	-0.28603	hypo	sig	chr1_245371512
chr10	1.33E+08	133060367	+	2.466E-15	3.3148E-14	-0.31657	hypo	sig	chr10_133060367
chr3	42875939	42875939	+	2.466E-15	3.3157E-14	-0.25134	hypo	sig	chr3_42875939
chr12	62191740	62191740	+	2.467E-15	3.3166E-14	0.230047	hyper	sig	chr12_62191740
chr2	1.82E+08	181685330	+	2.467E-15	3.3168E-14	0.227989	hyper	sig	chr2_181685330
chr16	2181857	2181857	+	2.468E-15	3.3173E-14	-0.22576	hypo	sig	chr16_2181857
chr12	1.15E+08	114686781	+	2.468E-15	3.3175E-14	0.330286	hyper	sig	chr12_114686781

chr11	1.18E+08	117878652	+	2.469E-15	3.3185E-14	-0.3012	hypo	sig	chr11_117878652
chr19	1956035	1956035	+	2.469E-15	3.3196E-14	0.342718	hyper	sig	chr19_1956035
chr11	1.29E+08	128693193	+	2.47E-15	3.3205E-14	0.202422	hyper	sig	chr11_128693193
chr5	1.14E+08	114053189	+	2.473E-15	3.3245E-14	-0.23431	hypo	sig	chr5_114053189
chr7	74526022	74526022	+	2.473E-15	3.3249E-14	-0.2798	hypo	sig	chr7_74526022
chr2	66437757	66437757	+	2.475E-15	3.3264E-14	0.227787	hyper	sig	chr2_66437757
chr12	56957445	56957445	+	2.476E-15	3.3274E-14	-0.27952	hypo	sig	chr12_56957445
chr3	1.2E+08	119703512	+	2.477E-15	3.3287E-14	0.209322	hyper	sig	chr3_119703512
chr5	1.35E+08	135327331	+	2.48E-15	3.3332E-14	0.272351	hyper	sig	chr5_135327331
chr10	12898665	12898665	+	2.488E-15	3.3439E-14	-0.29516	hypo	sig	chr10_12898665
chr5	1.41E+08	141376281	+	2.489E-15	3.3453E-14	0.275094	hyper	sig	chr5_141376281
chr13	1.02E+08	102394964	+	2.49E-15	3.3461E-14	0.260501	hyper	sig	chr13_102394964
chr3	1.86E+08	186193560	+	2.49E-15	3.3461E-14	0.246795	hyper	sig	chr3_186193560
chr7	22855209	22855209	+	2.49E-15	3.3463E-14	-0.22484	hypo	sig	chr7_22855209
chr11	67474691	67474691	+	2.491E-15	3.3469E-14	-0.21669	hypo	sig	chr11_67474691
chr5	1.41E+08	141423066	+	2.492E-15	3.3491E-14	0.283452	hyper	sig	chr5_141423066
chr6	32845805	32845805	+	2.494E-15	3.3509E-14	-0.21636	hypo	sig	chr6_32845805
chr19	55087631	55087631	+	2.494E-15	3.3518E-14	0.275914	hyper	sig	chr19_55087631
chr19	9498271	9498271	+	2.494E-15	3.3519E-14	0.240039	hyper	sig	chr19_9498271
chr7	1.39E+08	139482748	+	2.495E-15	3.3523E-14	0.256125	hyper	sig	chr7_139482748
chr20	38724389	38724389	+	2.497E-15	3.3553E-14	0.52197	hyper	sig	chr20_38724389
chr10	1.01E+08	101227571	+	2.499E-15	3.3572E-14	0.227024	hyper	sig	chr10_101227571
chr11	8263443	8263443	+	2.499E-15	3.3583E-14	0.233247	hyper	sig	chr11_8263443
chr3	51955780	51955780	+	2.503E-15	3.3627E-14	0.255037	hyper	sig	chr3_51955780
chr1	2025921	2025921	+	2.503E-15	3.3635E-14	0.228089	hyper	sig	chr1_2025921
chr6	30071248	30071248	+	2.505E-15	3.365E-14	0.311523	hyper	sig	chr6_30071248
chr19	50728405	50728405	+	2.506E-15	3.3664E-14	0.288045	hyper	sig	chr19_50728405
chr1	2020007	2020007	+	2.506E-15	3.3672E-14	0.355634	hyper	sig	chr1_2020007
chr15	90992950	90992950	+	2.507E-15	3.3674E-14	-0.22579	hypo	sig	chr15_90992950
chr19	3136457	3136457	+	2.51E-15	3.3722E-14	-0.25814	hypo	sig	chr19_3136457
chr6	1.69E+08	169254597	+	2.511E-15	3.3727E-14	-0.24178	hypo	sig	chr6_169254597
chr4	54110004	54110004	+	2.511E-15	3.3732E-14	0.26084	hyper	sig	chr4_54110004
chr8	66126806	66126806	+	2.511E-15	3.3736E-14	0.21727	hyper	sig	chr8_66126806
chr17	1231687	1231687	+	2.513E-15	3.376E-14	-0.28239	hypo	sig	chr17_1231687
chr11	69819917	69819917	+	2.513E-15	3.3761E-14	0.329946	hyper	sig	chr11_69819917
chr7	27102908	27102908	+	2.515E-15	3.3784E-14	0.342295	hyper	sig	chr7_27102908
chr8	1.41E+08	141388243	+	2.516E-15	3.3802E-14	-0.36908	hypo	sig	chr8_141388243
chr5	1.41E+08	141366436	+	2.517E-15	3.3802E-14	0.248471	hyper	sig	chr5_141366436
chr15	99106619	99106619	+	2.517E-15	3.381E-14	0.261162	hyper	sig	chr15_99106619
chr1	2.47E+08	246697130	+	2.519E-15	3.3831E-14	-0.25744	hypo	sig	chr1_246697130
chr7	1.04E+08	103988919	+	2.52E-15	3.3844E-14	0.244587	hyper	sig	chr7_103988919
chr1	7044415	7044415	+	2.52E-15	3.3845E-14	-0.28206	hypo	sig	chr1_7044415
chr1	10650077	10650077	+	2.522E-15	3.3879E-14	0.274257	hyper	sig	chr1_10650077
chr22	49184042	49184042	+	2.526E-15	3.3931E-14	0.265879	hyper	sig	chr22_49184042
chr6	1E+08	100449510	+	2.528E-15	3.3951E-14	0.293151	hyper	sig	chr6_100449510
chr1	1.48E+08	148309809	+	2.53E-15	3.3977E-14	0.275543	hyper	sig	chr1_148309809
chr1	2.03E+08	203176236	+	2.533E-15	3.4014E-14	-0.2315	hypo	sig	chr1_203176236
chr6	1.34E+08	134176456	+	2.533E-15	3.4019E-14	0.260205	hyper	sig	chr6_134176456
chr20	31995205	31995205	+	2.536E-15	3.4053E-14	0.250199	hyper	sig	chr20_31995205
chr18	7116714	7116714	+	2.537E-15	3.4067E-14	0.251621	hyper	sig	chr18_7116714
chr11	89491516	89491516	+	2.541E-15	3.4118E-14	0.255185	hyper	sig	chr11_89491516
chr22	19524698	19524698	+	2.541E-15	3.4119E-14	0.266733	hyper	sig	chr22_19524698
chr8	2090145	2090145	+	2.542E-15	3.4134E-14	-0.21055	hypo	sig	chr8_2090145
chr7	1.51E+08	151203433	+	2.545E-15	3.4168E-14	-0.25844	hypo	sig	chr7_151203433
chr3	1.47E+08	147396647	+	2.546E-15	3.4182E-14	0.268733	hyper	sig	chr3_147396647
chr22	36286822	36286822	+	2.547E-15	3.4203E-14	0.292272	hyper	sig	chr22_36286822

chr6	50819955	50819955	+	2.548E-15	3.421E-14	0.394861	hyper	sig	chr6_50819955
chr4	4855299	4855299	+	2.549E-15	3.4229E-14	0.239897	hyper	sig	chr4_4855299
chr1	1.5E+08	149900130	+	2.55E-15	3.424E-14	0.224595	hyper	sig	chr1_149900130
chr13	42574218	42574218	+	2.55E-15	3.424E-14	0.305232	hyper	sig	chr13_42574218
chr1	2834691	2834691	+	2.55E-15	3.4241E-14	-0.20555	hypo	sig	chr1_2834691
chr20	25059653	25059653	+	2.551E-15	3.4252E-14	0.261386	hyper	sig	chr20_25059653
chr20	46028532	46028532	+	2.554E-15	3.4288E-14	-0.30165	hypo	sig	chr20_46028532
chr20	38448093	38448093	+	2.555E-15	3.4297E-14	-0.22633	hypo	sig	chr20_38448093
chr12	34379087	34379087	+	2.556E-15	3.4318E-14	-0.32838	hypo	sig	chr12_34379087
chr1	6465995	6465995	+	2.557E-15	3.4325E-14	0.280573	hyper	sig	chr1_6465995
chr19	41026073	41026073	+	2.561E-15	3.4372E-14	0.231392	hyper	sig	chr19_41026073
chr11	6319198	6319198	+	2.563E-15	3.4409E-14	0.277837	hyper	sig	chr11_6319198
chr10	72317175	72317175	+	2.565E-15	3.4435E-14	-0.28487	hypo	sig	chr10_72317175
chr11	2826393	2826393	+	2.567E-15	3.4458E-14	0.263763	hyper	sig	chr11_2826393
chr20	63690026	63690026	+	2.568E-15	3.447E-14	-0.26407	hypo	sig	chr20_63690026
chr5	1.41E+08	141374326	+	2.568E-15	3.4471E-14	0.206115	hyper	sig	chr5_141374326
chr7	11832461	11832461	+	2.568E-15	3.4471E-14	0.272627	hyper	sig	chr7_11832461
chr2	2.19E+08	219171240	+	2.573E-15	3.4532E-14	0.263448	hyper	sig	chr2_219171240
chr2	2.35E+08	235263796	+	2.573E-15	3.4532E-14	-0.22925	hypo	sig	chr2_235263796
chr7	35186626	35186626	+	2.574E-15	3.4552E-14	0.246673	hyper	sig	chr7_35186626
chr10	23195961	23195961	+	2.576E-15	3.4573E-14	0.21406	hyper	sig	chr10_23195961
chr4	1.33E+08	133148070	+	2.577E-15	3.459E-14	0.218822	hyper	sig	chr4_133148070
chr21	45393136	45393136	+	2.58E-15	3.4618E-14	-0.2203	hypo	sig	chr21_45393136
chr16	1437573	1437573	+	2.58E-15	3.4628E-14	-0.26655	hypo	sig	chr16_1437573
chr1	1.61E+08	161079610	+	2.582E-15	3.4652E-14	0.322582	hyper	sig	chr1_161079610
chr1	2.21E+08	220877344	+	2.584E-15	3.4671E-14	0.29331	hyper	sig	chr1_220877344
chr22	31611166	31611166	+	2.585E-15	3.4687E-14	0.272096	hyper	sig	chr22_31611166
chr1	2.28E+08	227925547	+	2.587E-15	3.4707E-14	-0.26592	hypo	sig	chr1_227925547
chr9	1.36E+08	135908457	+	2.587E-15	3.4707E-14	0.227119	hyper	sig	chr9_135908457
chr13	22925702	22925702	+	2.587E-15	3.4707E-14	0.255102	hyper	sig	chr13_22925702
chr4	64640713	64640713	+	2.587E-15	3.4715E-14	-0.25338	hypo	sig	chr4_64640713
chr1	53140877	53140877	+	2.588E-15	3.4728E-14	-0.26646	hypo	sig	chr1_53140877
chr17	74442746	74442746	+	2.591E-15	3.4763E-14	-0.22626	hypo	sig	chr17_74442746
chr7	1.57E+08	157407701	+	2.593E-15	3.4793E-14	-0.22305	hypo	sig	chr7_157407701
chr6	1.68E+08	167797429	+	2.597E-15	3.4841E-14	-0.27283	hypo	sig	chr6_167797429
chr1	1.19E+08	118993740	+	2.598E-15	3.4859E-14	0.315366	hyper	sig	chr1_118993740
chr11	32433550	32433550	+	2.599E-15	3.4874E-14	0.24494	hyper	sig	chr11_32433550
chr11	2825712	2825712	+	2.6E-15	3.4887E-14	0.228854	hyper	sig	chr11_2825712
chr7	1.01E+08	100600863	+	2.601E-15	3.4891E-14	-0.26823	hypo	sig	chr7_100600863
chr1	57424899	57424899	+	2.603E-15	3.4925E-14	0.208683	hyper	sig	chr1_57424899
chr7	2480169	2480169	+	2.604E-15	3.4933E-14	0.296403	hyper	sig	chr7_2480169
chr3	1.97E+08	196661696	+	2.606E-15	3.4957E-14	-0.23623	hypo	sig	chr3_196661696
chr17	49972954	49972954	+	2.606E-15	3.4957E-14	0.268204	hyper	sig	chr17_49972954
chr3	48656538	48656538	+	2.606E-15	3.496E-14	0.230389	hyper	sig	chr3_48656538
chr17	81941601	81941601	+	2.606E-15	3.4963E-14	-0.2416	hypo	sig	chr17_81941601
chr7	1.59E+08	158992944	+	2.608E-15	3.498E-14	0.230672	hyper	sig	chr7_158992944
chr8	58147940	58147940	+	2.611E-15	3.5028E-14	-0.24383	hypo	sig	chr8_58147940
chr17	4941405	4941405	+	2.613E-15	3.5044E-14	-0.21659	hypo	sig	chr17_4941405
chr10	1.31E+08	131310779	+	2.613E-15	3.5054E-14	0.266821	hyper	sig	chr10_131310779
chr1	2.05E+08	205241543	+	2.614E-15	3.5056E-14	-0.22299	hypo	sig	chr1_205241543
chr16	427166	427166	+	2.615E-15	3.5078E-14	0.249913	hyper	sig	chr16_427166
chr4	213102	213102	+	2.618E-15	3.5111E-14	0.296335	hyper	sig	chr4_213102
chr19	53942172	53942172	+	2.618E-15	3.5117E-14	0.244958	hyper	sig	chr19_53942172
chr19	49433068	49433068	+	2.619E-15	3.5123E-14	0.29887	hyper	sig	chr19_49433068
chr7	1.59E+08	158995471	+	2.619E-15	3.5124E-14	-0.27103	hypo	sig	chr7_158995471
chr13	26012263	26012263	+	2.622E-15	3.5161E-14	0.2965	hyper	sig	chr13_26012263

chr2	2.33E+08	232634878	+	2.622E-15	3.5163E-14	0.255923	hyper	sig	chr2_232634878
chr16	1136286	1136286	+	2.624E-15	3.5182E-14	-0.22514	hypo	sig	chr16_1136286
chr10	1.32E+08	131678551	+	2.624E-15	3.5185E-14	-0.29314	hypo	sig	chr10_131678551
chr9	1.3E+08	129598450	+	2.624E-15	3.5189E-14	-0.32265	hypo	sig	chr9_129598450
chr12	4909172	4909172	+	2.625E-15	3.5194E-14	0.246867	hyper	sig	chr12_4909172
chr22	23180169	23180169	+	2.626E-15	3.5208E-14	0.222359	hyper	sig	chr22_23180169
chr12	45050394	45050394	+	2.627E-15	3.5226E-14	0.217445	hyper	sig	chr12_45050394
chr14	85531392	85531392	+	2.627E-15	3.5228E-14	0.275837	hyper	sig	chr14_85531392
chr1	1.66E+08	165945225	+	2.627E-15	3.5229E-14	-0.24934	hypo	sig	chr1_165945225
chr20	46021739	46021739	+	2.629E-15	3.5249E-14	0.274787	hyper	sig	chr20_46021739
chr17	82875762	82875762	+	2.63E-15	3.5257E-14	-0.23516	hypo	sig	chr17_82875762
chr1	54781259	54781259	+	2.63E-15	3.5267E-14	0.28504	hyper	sig	chr1_54781259
chr11	1.23E+08	122980264	+	2.631E-15	3.5274E-14	0.219976	hyper	sig	chr11_122980264
chr12	1.15E+08	114686968	+	2.634E-15	3.531E-14	0.233684	hyper	sig	chr12_114686968
chr19	2494504	2494504	+	2.634E-15	3.531E-14	0.205357	hyper	sig	chr19_2494504
chr12	49026709	49026709	+	2.634E-15	3.5312E-14	-0.21874	hypo	sig	chr12_49026709
chr20	49910177	49910177	+	2.635E-15	3.5318E-14	-0.23667	hypo	sig	chr20_49910177
chr1	3173198	3173198	+	2.636E-15	3.5331E-14	-0.29018	hypo	sig	chr1_3173198
chr11	1.3E+08	129743735	+	2.636E-15	3.5331E-14	-0.29303	hypo	sig	chr11_129743735
chr1	40979124	40979124	+	2.636E-15	3.5334E-14	0.204695	hyper	sig	chr1_40979124
chr7	27147540	27147540	+	2.64E-15	3.5388E-14	0.206299	hyper	sig	chr7_27147540
chr19	56765332	56765332	+	2.641E-15	3.5401E-14	0.275763	hyper	sig	chr19_56765332
chr16	66948716	66948716	+	2.646E-15	3.5469E-14	0.26924	hyper	sig	chr16_66948716
chr16	29231052	29231052	+	2.647E-15	3.5472E-14	0.206107	hyper	sig	chr16_29231052
chr11	3218750	3218750	+	2.647E-15	3.5483E-14	-0.23485	hypo	sig	chr11_3218750
chr12	1.13E+08	113472793	+	2.648E-15	3.5495E-14	0.257752	hyper	sig	chr12_113472793
chr17	81031092	81031092	+	2.65E-15	3.5512E-14	-0.22545	hypo	sig	chr17_81031092
chr3	1.58E+08	158103805	+	2.652E-15	3.5539E-14	0.226378	hyper	sig	chr3_158103805
chr2	19356798	19356798	+	2.652E-15	3.5546E-14	0.293451	hyper	sig	chr2_19356798
chr16	85089781	85089781	+	2.657E-15	3.5607E-14	0.202167	hyper	sig	chr16_85089781
chr11	1.3E+08	130486815	+	2.658E-15	3.5625E-14	-0.26597	hypo	sig	chr11_130486815
chr19	38418669	38418669	+	2.659E-15	3.5629E-14	-0.25368	hypo	sig	chr19_38418669
chr6	1624485	1624485	+	2.659E-15	3.5629E-14	0.359131	hyper	sig	chr6_1624485
chr22	20158725	20158725	+	2.659E-15	3.5636E-14	-0.30896	hypo	sig	chr22_20158725
chr5	1.35E+08	135029302	+	2.66E-15	3.5647E-14	0.354349	hyper	sig	chr5_135029302
chr7	1.4E+08	140059820	+	2.666E-15	3.5718E-14	-0.28673	hypo	sig	chr7_140059820
chr19	840880	840880	+	2.666E-15	3.5728E-14	-0.26595	hypo	sig	chr19_840880
chr2	1.09E+08	109172334	+	2.666E-15	3.5729E-14	0.267625	hyper	sig	chr2_109172334
chr7	23904991	23904991	+	2.669E-15	3.5758E-14	-0.24918	hypo	sig	chr7_23904991
chr15	93071519	93071519	+	2.67E-15	3.578E-14	0.291228	hyper	sig	chr15_93071519
chr5	77851252	77851252	+	2.67E-15	3.578E-14	0.295001	hyper	sig	chr5_77851252
chr12	1.25E+08	125050631	+	2.671E-15	3.5781E-14	-0.22956	hypo	sig	chr12_125050631
chr2	1.49E+08	148876058	+	2.672E-15	3.5804E-14	0.228098	hyper	sig	chr2_148876058
chr1	1.48E+08	148328900	+	2.674E-15	3.583E-14	0.230082	hyper	sig	chr1_148328900
chr13	1.12E+08	111893267	+	2.676E-15	3.5852E-14	0.345219	hyper	sig	chr13_111893267
chr17	48554601	48554601	+	2.676E-15	3.5852E-14	0.258368	hyper	sig	chr17_48554601
chr7	97026132	97026132	+	2.677E-15	3.5858E-14	0.216156	hyper	sig	chr7_97026132
chr4	1.85E+08	185021562	+	2.677E-15	3.5859E-14	0.219465	hyper	sig	chr4_185021562
chr19	5292331	5292331	+	2.678E-15	3.5869E-14	0.412475	hyper	sig	chr19_5292331
chr2	96007176	96007176	+	2.678E-15	3.5869E-14	-0.28521	hypo	sig	chr2_96007176
chr5	1.34E+08	133611631	+	2.68E-15	3.5903E-14	0.22909	hyper	sig	chr5_133611631
chr2	63057935	63057935	+	2.683E-15	3.5934E-14	0.312089	hyper	sig	chr2_63057935
chr17	35345725	35345725	+	2.684E-15	3.5958E-14	0.308776	hyper	sig	chr17_35345725
chr9	1.36E+08	136202532	+	2.685E-15	3.5958E-14	0.255829	hyper	sig	chr9_136202532
chr6	1.37E+08	136920785	+	2.685E-15	3.5959E-14	0.23238	hyper	sig	chr6_136920785
chr1	24931824	24931824	+	2.685E-15	3.5966E-14	0.289448	hyper	sig	chr1_24931824

chr2	25822359	25822359	+	2.686E-15	3.5977E-14	0.244079	hyper	sig	chr2_25822359
chr15	96368467	96368467	+	2.687E-15	3.5981E-14	0.210502	hyper	sig	chr15_96368467
chr22	48902110	48902110	+	2.688E-15	3.5992E-14	-0.20273	hypo	sig	chr22_48902110
chr6	32068197	32068197	+	2.69E-15	3.6025E-14	-0.24882	hypo	sig	chr6_32068197
chr7	38311322	38311322	+	2.69E-15	3.6025E-14	0.22278	hyper	sig	chr7_38311322
chr2	1.82E+08	181683953	+	2.691E-15	3.6035E-14	0.226794	hyper	sig	chr2_181683953
chr16	86567569	86567569	+	2.692E-15	3.6043E-14	0.212222	hyper	sig	chr16_86567569
chr10	1.25E+08	124648195	+	2.694E-15	3.6078E-14	-0.27626	hypo	sig	chr10_124648195
chr9	36739774	36739774	+	2.696E-15	3.6097E-14	0.299452	hyper	sig	chr9_36739774
chr7	27114645	27114645	+	2.696E-15	3.6104E-14	0.24404	hyper	sig	chr7_27114645
chr6	35501070	35501070	+	2.698E-15	3.6123E-14	-0.21807	hypo	sig	chr6_35501070
chr12	1.3E+08	130477173	+	2.699E-15	3.6136E-14	0.2082	hyper	sig	chr12_130477173
chr12	1.04E+08	104303609	+	2.7E-15	3.6152E-14	0.208749	hyper	sig	chr12_104303609
chr13	1.11E+08	110869599	+	2.702E-15	3.6175E-14	-0.35502	hypo	sig	chr13_110869599
chr20	4684999	4684999	+	2.702E-15	3.618E-14	0.20769	hyper	sig	chr20_4684999
chr21	46033975	46033975	+	2.705E-15	3.6212E-14	0.252271	hyper	sig	chr21_46033975
chr19	43699459	43699459	+	2.706E-15	3.6233E-14	0.268651	hyper	sig	chr19_43699459
chr13	27821253	27821253	+	2.707E-15	3.6245E-14	0.332723	hyper	sig	chr13_27821253
chr7	1232791	1232791	+	2.708E-15	3.6259E-14	0.282116	hyper	sig	chr7_1232791
chr2	74836711	74836711	+	2.709E-15	3.6268E-14	-0.23903	hypo	sig	chr2_74836711
chr7	1.57E+08	157468909	+	2.71E-15	3.6277E-14	-0.25933	hypo	sig	chr7_157468909
chr5	3599559	3599559	+	2.71E-15	3.6281E-14	0.329224	hyper	sig	chr5_3599559
chr7	119672	119672	+	2.71E-15	3.6281E-14	-0.22848	hypo	sig	chr7_119672
chr2	430867	430867	+	2.711E-15	3.6285E-14	-0.25026	hypo	sig	chr2_430867
chr7	1.29E+08	128697718	+	2.711E-15	3.6288E-14	0.312472	hyper	sig	chr7_128697718
chr1	3402800	3402800	+	2.712E-15	3.6297E-14	0.285128	hyper	sig	chr1_3402800
chr12	62191460	62191460	+	2.713E-15	3.6316E-14	0.313372	hyper	sig	chr12_62191460
chr12	94186881	94186881	+	2.713E-15	3.6316E-14	0.22943	hyper	sig	chr12_94186881
chr10	42755383	42755383	+	2.715E-15	3.6336E-14	0.218379	hyper	sig	chr10_42755383
chr18	13260399	13260399	+	2.716E-15	3.6346E-14	0.256682	hyper	sig	chr18_13260399
chr16	681772	681772	+	2.716E-15	3.6357E-14	-0.20653	hypo	sig	chr16_681772
chr14	1.06E+08	105769864	+	2.717E-15	3.6363E-14	-0.26239	hypo	sig	chr14_105769864
chr12	57633664	57633664	+	2.717E-15	3.6364E-14	-0.21097	hypo	sig	chr12_57633664
chr1	2.37E+08	236739317	+	2.718E-15	3.638E-14	-0.22237	hypo	sig	chr1_236739317
chr5	1.41E+08	141387630	+	2.719E-15	3.6382E-14	0.204396	hyper	sig	chr5_141387630
chr13	1.14E+08	114047325	+	2.722E-15	3.6434E-14	-0.28245	hypo	sig	chr13_114047325
chr2	2.35E+08	235493101	+	2.723E-15	3.6443E-14	0.224021	hyper	sig	chr2_235493101
chr6	99994166	99994166	+	2.724E-15	3.6447E-14	0.222487	hyper	sig	chr6_99994166
chr1	1.77E+08	177171562	+	2.724E-15	3.6448E-14	0.26777	hyper	sig	chr1_177171562
chr20	48386451	48386451	+	2.725E-15	3.6469E-14	-0.26583	hypo	sig	chr20_48386451
chr1	1.09E+08	109481667	+	2.727E-15	3.6495E-14	-0.25606	hypo	sig	chr1_109481667
chr5	1.41E+08	141364722	+	2.728E-15	3.6503E-14	0.268064	hyper	sig	chr5_141364722
chr7	86645116	86645116	+	2.732E-15	3.6553E-14	0.294611	hyper	sig	chr7_86645116
chr2	1.42E+08	142130198	+	2.732E-15	3.6558E-14	0.22433	hyper	sig	chr2_142130198
chr1	1.84E+08	184036826	+	2.733E-15	3.6574E-14	0.225707	hyper	sig	chr1_184036826
chr19	35959554	35959554	+	2.734E-15	3.658E-14	0.31026	hyper	sig	chr19_35959554
chr1	6026584	6026584	+	2.735E-15	3.6598E-14	-0.31305	hypo	sig	chr1_6026584
chr1	1.19E+08	118985589	+	2.736E-15	3.6606E-14	0.342876	hyper	sig	chr1_118985589
chr1	54801620	54801620	+	2.737E-15	3.6619E-14	-0.20246	hypo	sig	chr1_54801620
chr1	90719626	90719626	+	2.738E-15	3.6626E-14	0.273963	hyper	sig	chr1_90719626
chr19	58367712	58367712	+	2.74E-15	3.6654E-14	0.243911	hyper	sig	chr19_58367712
chr3	1.96E+08	195849546	+	2.74E-15	3.6654E-14	-0.32552	hypo	sig	chr3_195849546
chr2	73291581	73291581	+	2.74E-15	3.6659E-14	0.243759	hyper	sig	chr2_73291581
chr11	1.03E+08	102768056	+	2.743E-15	3.6695E-14	0.307937	hyper	sig	chr11_102768056
chr1	1.57E+08	156845954	+	2.744E-15	3.6708E-14	0.376455	hyper	sig	chr1_156845954
chr19	55704080	55704080	+	2.745E-15	3.6723E-14	0.278935	hyper	sig	chr19_55704080

chr16	86569004	86569004	+	2.746E-15	3.6727E-14	0.36068	hyper	sig	chr16_86569004
chr16	57620027	57620027	+	2.747E-15	3.6742E-14	-0.28306	hypo	sig	chr16_57620027
chr10	1.3E+08	130015157	+	2.748E-15	3.6764E-14	-0.20563	hypo	sig	chr10_130015157
chr1	1.1E+08	110151295	+	2.749E-15	3.6767E-14	0.301153	hyper	sig	chr1_110151295
chr2	662602	662602	+	2.751E-15	3.6793E-14	-0.27736	hypo	sig	chr2_662602
chr16	89668811	89668811	+	2.751E-15	3.6795E-14	-0.24463	hypo	sig	chr16_89668811
chr8	1.01E+08	101078079	+	2.751E-15	3.68E-14	-0.24834	hypo	sig	chr8_101078079
chr2	1E+08	100417795	+	2.753E-15	3.6821E-14	0.231945	hyper	sig	chr2_100417795
chr6	36285312	36285312	+	2.753E-15	3.6821E-14	0.258451	hyper	sig	chr6_36285312
chr11	8169197	8169197	+	2.754E-15	3.6831E-14	0.266032	hyper	sig	chr11_8169197
chr12	3363748	3363748	+	2.755E-15	3.6847E-14	-0.25172	hypo	sig	chr12_3363748
chr11	1.19E+08	118679752	+	2.755E-15	3.6851E-14	-0.20488	hypo	sig	chr11_118679752
chr16	49462811	49462811	+	2.756E-15	3.6857E-14	-0.24471	hypo	sig	chr16_49462811
chr12	1.2E+08	119804392	+	2.761E-15	3.6927E-14	0.290499	hyper	sig	chr12_119804392
chr4	1593642	1593642	+	2.762E-15	3.6938E-14	0.223027	hyper	sig	chr4_1593642
chr10	1.02E+08	101774827	+	2.763E-15	3.6954E-14	0.200082	hyper	sig	chr10_101774827
chr3	1.72E+08	172449223	+	2.765E-15	3.6971E-14	0.244315	hyper	sig	chr3_172449223
chr2	2.32E+08	232486389	+	2.766E-15	3.6986E-14	0.223046	hyper	sig	chr2_232486389
chr1	2237837	2237837	+	2.766E-15	3.6993E-14	0.21565	hyper	sig	chr1_2237837
chr1	1165968	1165968	+	2.768E-15	3.7015E-14	-0.24773	hypo	sig	chr1_1165968
chr5	63961765	63961765	+	2.769E-15	3.7027E-14	0.338274	hyper	sig	chr5_63961765
chr2	2.4E+08	240411067	+	2.77E-15	3.704E-14	-0.30378	hypo	sig	chr2_240411067
chr19	39891982	39891982	+	2.77E-15	3.704E-14	0.2635	hyper	sig	chr19_39891982
chr12	52232082	52232082	+	2.771E-15	3.7055E-14	-0.25819	hypo	sig	chr12_52232082
chr3	1.65E+08	165197214	+	2.772E-15	3.7066E-14	0.215196	hyper	sig	chr3_165197214
chr11	94132277	94132277	+	2.775E-15	3.7103E-14	0.246081	hyper	sig	chr11_94132277
chr7	1.41E+08	141072983	+	2.778E-15	3.7145E-14	0.218681	hyper	sig	chr7_141072983
chr17	42782855	42782855	+	2.778E-15	3.7148E-14	0.333887	hyper	sig	chr17_42782855
chr8	64371092	64371092	+	2.78E-15	3.7168E-14	0.255859	hyper	sig	chr8_64371092
chr13	30732133	30732133	+	2.78E-15	3.7173E-14	0.287343	hyper	sig	chr13_30732133
chr17	21574474	21574474	+	2.78E-15	3.7174E-14	0.252087	hyper	sig	chr17_21574474
chr19	39891971	39891971	+	2.781E-15	3.7176E-14	0.282756	hyper	sig	chr19_39891971
chr18	77252040	77252040	+	2.782E-15	3.7193E-14	0.294598	hyper	sig	chr18_77252040
chr7	4810590	4810590	+	2.784E-15	3.7217E-14	-0.26706	hypo	sig	chr7_4810590
chr16	87013451	87013451	+	2.784E-15	3.7221E-14	0.355604	hyper	sig	chr16_87013451
chr20	41366899	41366899	+	2.784E-15	3.7223E-14	0.223191	hyper	sig	chr20_41366899
chr10	95231056	95231056	+	2.785E-15	3.7227E-14	0.277939	hyper	sig	chr10_95231056
chr11	69819015	69819015	+	2.785E-15	3.7233E-14	0.257086	hyper	sig	chr11_69819015
chr6	28988470	28988470	+	2.788E-15	3.7268E-14	0.2004	hyper	sig	chr6_28988470
chr1	90725334	90725334	+	2.788E-15	3.7271E-14	0.272911	hyper	sig	chr1_90725334
chr16	3183397	3183397	+	2.788E-15	3.7273E-14	0.217434	hyper	sig	chr16_3183397
chr1	79008166	79008166	+	2.792E-15	3.7323E-14	-0.26762	hypo	sig	chr1_79008166
chr17	82838836	82838836	+	2.794E-15	3.7349E-14	-0.22901	hypo	sig	chr17_82838836
chr11	65867882	65867882	+	2.795E-15	3.7354E-14	0.227438	hyper	sig	chr11_65867882
chr6	6321195	6321195	+	2.796E-15	3.7375E-14	-0.23713	hypo	sig	chr6_6321195
chr7	2665622	2665622	+	2.796E-15	3.7375E-14	-0.22663	hypo	sig	chr7_2665622
chr1	1.58E+08	158353051	+	2.796E-15	3.7376E-14	-0.20898	hypo	sig	chr1_158353051
chr13	27975775	27975775	+	2.798E-15	3.739E-14	0.308945	hyper	sig	chr13_27975775
chr19	23002761	23002761	+	2.799E-15	3.7404E-14	0.273187	hyper	sig	chr19_23002761
chr6	31500696	31500696	+	2.8E-15	3.7419E-14	0.292909	hyper	sig	chr6_31500696
chr11	2266757	2266757	+	2.803E-15	3.746E-14	-0.28342	hypo	sig	chr11_2266757
chr1	54781683	54781683	+	2.804E-15	3.7477E-14	0.257036	hyper	sig	chr1_54781683
chr1	1.57E+08	156845788	+	2.807E-15	3.7516E-14	0.254145	hyper	sig	chr1_156845788
chr11	20163289	20163289	+	2.807E-15	3.7516E-14	0.211254	hyper	sig	chr11_20163289
chr12	1.23E+08	123269509	+	2.808E-15	3.753E-14	0.316665	hyper	sig	chr12_123269509
chr3	1.96E+08	195804754	+	2.809E-15	3.7542E-14	-0.23849	hypo	sig	chr3_195804754

chr2	11634971	11634971	+	2.812E-15	3.7574E-14	-0.25368	hypo	sig	chr2_11634971
chr4	1.54E+08	154333404	+	2.816E-15	3.7624E-14	0.20774	hyper	sig	chr4_154333404
chr12	1.04E+08	104303611	+	2.819E-15	3.7664E-14	0.20322	hyper	sig	chr12_104303611
chr4	1408646	1408646	+	2.819E-15	3.7667E-14	0.242585	hyper	sig	chr4_1408646
chr5	1.11E+08	111070790	+	2.819E-15	3.7673E-14	0.221462	hyper	sig	chr5_111070790
chr9	970505	970505	+	2.82E-15	3.7674E-14	0.286288	hyper	sig	chr9_970505
chr4	6664005	6664005	+	2.822E-15	3.7712E-14	0.325957	hyper	sig	chr4_6664005
chr7	1.58E+08	158373259	+	2.823E-15	3.7714E-14	-0.21491	hypo	sig	chr7_158373259
chr3	27728872	27728872	+	2.823E-15	3.7715E-14	0.25613	hyper	sig	chr3_27728872
chr21	33025955	33025955	+	2.824E-15	3.7725E-14	0.250289	hyper	sig	chr21_33025955
chr17	44915224	44915224	+	2.824E-15	3.7726E-14	-0.20314	hypo	sig	chr17_44915224
chr5	1295644	1295644	+	2.828E-15	3.7787E-14	0.24068	hyper	sig	chr5_1295644
chr22	29313293	29313293	+	2.829E-15	3.7794E-14	0.224556	hyper	sig	chr22_29313293
chr14	61281722	61281722	+	2.831E-15	3.7823E-14	-0.23163	hypo	sig	chr14_61281722
chr5	1.77E+08	177116983	+	2.833E-15	3.7843E-14	0.213679	hyper	sig	chr5_177116983
chr10	1.33E+08	133309943	+	2.834E-15	3.7859E-14	-0.23545	hypo	sig	chr10_133309943
chr17	82303315	82303315	+	2.835E-15	3.7878E-14	-0.23693	hypo	sig	chr17_82303315
chr6	1E+08	100449433	+	2.836E-15	3.7885E-14	0.293823	hyper	sig	chr6_100449433
chr1	2.21E+08	220894664	+	2.837E-15	3.7904E-14	0.418863	hyper	sig	chr1_220894664
chr2	2.06E+08	206444146	+	2.837E-15	3.7905E-14	0.309078	hyper	sig	chr2_206444146
chr12	52233558	52233558	+	2.839E-15	3.7922E-14	0.29385	hyper	sig	chr12_52233558
chr2	58428909	58428909	+	2.84E-15	3.794E-14	0.268657	hyper	sig	chr2_58428909
chr7	1.58E+08	158317878	+	2.84E-15	3.7941E-14	0.23299	hyper	sig	chr7_158317878
chr17	3924747	3924747	+	2.842E-15	3.7968E-14	0.213204	hyper	sig	chr17_3924747
chr7	1.55E+08	155454515	+	2.843E-15	3.7978E-14	0.238673	hyper	sig	chr7_155454515
chr4	7938222	7938222	+	2.844E-15	3.7987E-14	0.241747	hyper	sig	chr4_7938222
chr17	29572640	29572640	+	2.846E-15	3.802E-14	0.314891	hyper	sig	chr17_29572640
chr6	10384877	10384877	+	2.847E-15	3.8022E-14	0.339788	hyper	sig	chr6_10384877
chr10	1.23E+08	123134963	+	2.848E-15	3.8037E-14	0.234514	hyper	sig	chr10_123134963
chr10	25925665	25925665	+	2.855E-15	3.8131E-14	-0.24819	hypo	sig	chr10_25925665
chr15	45704377	45704377	+	2.857E-15	3.8158E-14	0.241775	hyper	sig	chr15_45704377
chr10	1.3E+08	129563208	+	2.859E-15	3.8187E-14	-0.22153	hypo	sig	chr10_129563208
chr17	77477631	77477631	+	2.862E-15	3.8221E-14	0.226372	hyper	sig	chr17_77477631
chr12	1.3E+08	130281698	+	2.864E-15	3.8247E-14	-0.26597	hypo	sig	chr12_130281698
chr13	36431941	36431941	+	2.864E-15	3.825E-14	0.313073	hyper	sig	chr13_36431941
chr5	1.77E+08	176869707	+	2.868E-15	3.8296E-14	-0.2439	hypo	sig	chr5_176869707
chr11	22432755	22432755	+	2.869E-15	3.8311E-14	0.266674	hyper	sig	chr11_22432755
chr12	52676371	52676371	+	2.87E-15	3.8324E-14	-0.20919	hypo	sig	chr12_52676371
chr16	67163669	67163669	+	2.871E-15	3.8333E-14	0.300148	hyper	sig	chr16_67163669
chr20	35174872	35174872	+	2.877E-15	3.8422E-14	-0.25755	hypo	sig	chr20_35174872
chr9	91421209	91421209	+	2.879E-15	3.8446E-14	0.261381	hyper	sig	chr9_91421209
chr10	52308879	52308879	+	2.88E-15	3.8457E-14	0.295028	hyper	sig	chr10_52308879
chr20	17226038	17226038	+	2.881E-15	3.8464E-14	0.253308	hyper	sig	chr20_17226038
chr2	1.36E+08	136086719	+	2.881E-15	3.847E-14	-0.23938	hypo	sig	chr2_136086719
chr2	88765339	88765339	+	2.882E-15	3.8483E-14	0.239934	hyper	sig	chr2_88765339
chr20	4721892	4721892	+	2.882E-15	3.8483E-14	-0.23694	hypo	sig	chr20_4721892
chr6	19692152	19692152	+	2.882E-15	3.8483E-14	0.249136	hyper	sig	chr6_19692152
chr15	82043645	82043645	+	2.883E-15	3.8486E-14	0.35212	hyper	sig	chr15_82043645
chr2	1.92E+08	191835773	+	2.883E-15	3.8488E-14	-0.24581	hypo	sig	chr2_191835773
chr7	27144024	27144024	+	2.885E-15	3.8514E-14	0.220684	hyper	sig	chr7_27144024
chr2	2.39E+08	239312937	+	2.889E-15	3.8565E-14	0.247649	hyper	sig	chr2_239312937
chr1	5859139	5859139	+	2.89E-15	3.8575E-14	0.220549	hyper	sig	chr1_5859139
chr10	1.33E+08	133230090	+	2.892E-15	3.861E-14	0.209911	hyper	sig	chr10_133230090
chr8	1.08E+08	108131811	+	2.893E-15	3.8625E-14	-0.221	hypo	sig	chr8_108131811
chr5	1.4E+08	139786705	+	2.894E-15	3.8637E-14	-0.23868	hypo	sig	chr5_139786705
chr7	1.59E+08	159143882	+	2.895E-15	3.8645E-14	0.264088	hyper	sig	chr7_159143882

chr5	1850957	1850957	+	2.895E-15	3.8649E-14	0.267114	hyper	sig	chr5_1850957
chr17	1723281	1723281	+	2.896E-15	3.8656E-14	-0.22972	hypo	sig	chr17_1723281
chr19	52924352	52924352	+	2.897E-15	3.867E-14	-0.23995	hypo	sig	chr19_52924352
chr2	74415366	74415366	+	2.897E-15	3.867E-14	0.252751	hyper	sig	chr2_74415366
chr2	96986077	96986077	+	2.899E-15	3.8691E-14	0.303806	hyper	sig	chr2_96986077
chr2	1.39E+08	138897274	+	2.9E-15	3.8702E-14	-0.24804	hypo	sig	chr2_138897274
chr8	1759311	1759311	+	2.903E-15	3.875E-14	0.232881	hyper	sig	chr8_1759311
chr17	50468622	50468622	+	2.907E-15	3.8792E-14	0.262251	hyper	sig	chr17_50468622
chr7	73377424	73377424	+	2.908E-15	3.881E-14	0.338956	hyper	sig	chr7_73377424
chr1	2.21E+08	220877697	+	2.908E-15	3.8814E-14	0.250405	hyper	sig	chr1_220877697
chr1	6428003	6428003	+	2.912E-15	3.8862E-14	-0.21572	hypo	sig	chr1_6428003
chr17	79423177	79423177	+	2.913E-15	3.8878E-14	-0.25988	hypo	sig	chr17_79423177
chr13	26760254	26760254	+	2.913E-15	3.8881E-14	0.355549	hyper	sig	chr13_26760254
chr9	37938638	37938638	+	2.914E-15	3.8887E-14	0.288851	hyper	sig	chr9_37938638
chr17	1203850	1203850	+	2.915E-15	3.8902E-14	0.246009	hyper	sig	chr17_1203850
chr16	31330128	31330128	+	2.915E-15	3.8905E-14	0.324372	hyper	sig	chr16_31330128
chr17	81941614	81941614	+	2.916E-15	3.8908E-14	-0.23435	hypo	sig	chr17_81941614
chr2	73291576	73291576	+	2.92E-15	3.8968E-14	0.238689	hyper	sig	chr2_73291576
chr7	1.55E+08	155449989	+	2.92E-15	3.897E-14	0.216377	hyper	sig	chr7_155449989
chr17	82321124	82321124	+	2.921E-15	3.8978E-14	-0.31113	hypo	sig	chr17_82321124
chr17	43457123	43457123	+	2.922E-15	3.8983E-14	-0.22754	hypo	sig	chr17_43457123
chr7	1.44E+08	143885200	+	2.926E-15	3.9043E-14	0.275468	hyper	sig	chr7_143885200
chr1	1.54E+08	153609018	+	2.928E-15	3.9072E-14	-0.23217	hypo	sig	chr1_153609018
chr3	44021787	44021787	+	2.93E-15	3.9094E-14	0.242091	hyper	sig	chr3_44021787
chr22	16602573	16602573	+	2.93E-15	3.9094E-14	0.218279	hyper	sig	chr22_16602573
chr1	50425299	50425299	+	2.932E-15	3.9122E-14	0.237717	hyper	sig	chr1_50425299
chr11	32428629	32428629	+	2.934E-15	3.9139E-14	0.323766	hyper	sig	chr11_32428629
chr11	2168930	2168930	+	2.935E-15	3.9151E-14	-0.26082	hypo	sig	chr11_2168930
chr2	1817961	1817961	+	2.935E-15	3.9153E-14	0.276086	hyper	sig	chr2_1817961
chr3	16512226	16512226	+	2.937E-15	3.9184E-14	-0.27556	hypo	sig	chr3_16512226
chr7	1.22E+08	122299773	+	2.937E-15	3.9184E-14	0.23966	hyper	sig	chr7_122299773
chr6	1.59E+08	159169056	+	2.939E-15	3.9207E-14	0.200142	hyper	sig	chr6_159169056
chr17	8399187	8399187	+	2.939E-15	3.9208E-14	-0.24359	hypo	sig	chr17_8399187
chr17	45895992	45895992	+	2.939E-15	3.9209E-14	0.273994	hyper	sig	chr17_45895992
chr1	3145995	3145995	+	2.941E-15	3.9228E-14	0.274083	hyper	sig	chr1_3145995
chr12	7639980	7639980	+	2.942E-15	3.9238E-14	0.247368	hyper	sig	chr12_7639980
chr7	1.5E+08	150049379	+	2.942E-15	3.9239E-14	0.202517	hyper	sig	chr7_150049379
chr1	15243633	15243633	+	2.942E-15	3.9242E-14	0.257457	hyper	sig	chr1_15243633
chr10	23694617	23694617	+	2.944E-15	3.9261E-14	0.349841	hyper	sig	chr10_23694617
chr14	77026583	77026583	+	2.944E-15	3.9261E-14	0.245571	hyper	sig	chr14_77026583
chr2	23569934	23569934	+	2.944E-15	3.9269E-14	0.280711	hyper	sig	chr2_23569934
chr11	75347792	75347792	+	2.945E-15	3.9275E-14	0.274228	hyper	sig	chr11_75347792
chr2	20226207	20226207	+	2.945E-15	3.9277E-14	-0.28888	hypo	sig	chr2_20226207
chr1	1.81E+08	181318603	+	2.946E-15	3.9287E-14	0.215502	hyper	sig	chr1_181318603
chr14	90551482	90551482	+	2.946E-15	3.9287E-14	0.230999	hyper	sig	chr14_90551482
chr16	67161893	67161893	+	2.947E-15	3.9302E-14	0.247194	hyper	sig	chr16_67161893
chr7	533579	533579	+	2.953E-15	3.9378E-14	-0.24669	hypo	sig	chr7_533579
chr2	97713690	97713690	+	2.953E-15	3.9384E-14	-0.25905	hypo	sig	chr2_97713690
chr11	15114929	15114929	+	2.959E-15	3.9456E-14	0.25334	hyper	sig	chr11_15114929
chr14	1.04E+08	104357802	+	2.96E-15	3.9478E-14	-0.24744	hypo	sig	chr14_104357802
chr1	1.48E+08	148246711	+	2.963E-15	3.9506E-14	0.24181	hyper	sig	chr1_148246711
chr7	1.5E+08	150047846	+	2.963E-15	3.9515E-14	0.224091	hyper	sig	chr7_150047846
chr5	1.46E+08	145836208	+	2.964E-15	3.9523E-14	-0.22954	hypo	sig	chr5_145836208
chr7	1.59E+08	159093417	+	2.966E-15	3.9551E-14	-0.24566	hypo	sig	chr7_159093417
chr5	3606381	3606381	+	2.968E-15	3.9573E-14	0.278662	hyper	sig	chr5_3606381
chr7	32071389	32071389	+	2.968E-15	3.9578E-14	0.238791	hyper	sig	chr7_32071389

chr10	1.01E+08	101135951	+	2.97E-15	3.9598E-14	0.266087	hyper	sig	chr10_101135951
chr5	73299973	73299973	+	2.97E-15	3.96E-14	0.28403	hyper	sig	chr5_73299973
chr19	46410491	46410491	+	2.971E-15	3.9614E-14	-0.23887	hypo	sig	chr19_46410491
chr20	46539000	46539000	+	2.972E-15	3.9621E-14	-0.30586	hypo	sig	chr20_46539000
chr8	1.44E+08	144336087	+	2.972E-15	3.9622E-14	0.321126	hyper	sig	chr8_144336087
chr12	1.04E+08	104303584	+	2.975E-15	3.966E-14	0.21967	hyper	sig	chr12_104303584
chr6	1.68E+08	168411928	+	2.975E-15	3.9664E-14	-0.20692	hypo	sig	chr6_168411928
chr11	2135210	2135210	+	2.975E-15	3.9667E-14	-0.25572	hypo	sig	chr11_2135210
chr14	1.01E+08	101029349	+	2.976E-15	3.9682E-14	-0.22582	hypo	sig	chr14_101029349
chr19	53255243	53255243	+	2.977E-15	3.9682E-14	0.324707	hyper	sig	chr19_53255243
chr9	1.35E+08	134501442	+	2.977E-15	3.9688E-14	0.220164	hyper	sig	chr9_134501442
chr11	71589695	71589695	+	2.979E-15	3.9713E-14	-0.29142	hypo	sig	chr11_71589695
chr10	1.2E+08	120457450	+	2.981E-15	3.9733E-14	0.228474	hyper	sig	chr10_120457450
chr17	81296084	81296084	+	2.981E-15	3.9738E-14	-0.26861	hypo	sig	chr17_81296084
chr16	86495339	86495339	+	2.985E-15	3.979E-14	0.303152	hyper	sig	chr16_86495339
chr8	11736531	11736531	+	2.986E-15	3.9805E-14	-0.29852	hypo	sig	chr8_11736531
chr4	1.11E+08	110633852	+	2.987E-15	3.9817E-14	0.2898	hyper	sig	chr4_110633852
chr8	79611241	79611241	+	2.989E-15	3.9843E-14	0.229931	hyper	sig	chr8_79611241
chr22	50738283	50738283	+	2.99E-15	3.9858E-14	-0.24562	hypo	sig	chr22_50738283
chr16	89834170	89834170	+	2.992E-15	3.9881E-14	-0.21888	hypo	sig	chr16_89834170
chr4	2320327	2320327	+	2.993E-15	3.9886E-14	-0.28249	hypo	sig	chr4_2320327
chr12	1.25E+08	124543756	+	2.993E-15	3.9889E-14	0.23306	hyper	sig	chr12_124543756
chr8	52940882	52940882	+	2.993E-15	3.9889E-14	0.251116	hyper	sig	chr8_52940882
chr13	22897899	22897899	+	2.993E-15	3.9891E-14	-0.35382	hypo	sig	chr13_22897899
chr20	36431271	36431271	+	2.995E-15	3.9919E-14	-0.32647	hypo	sig	chr20_36431271
chr10	99531338	99531338	+	2.996E-15	3.9927E-14	0.288081	hyper	sig	chr10_99531338
chr1	23899200	23899200	+	2.997E-15	3.994E-14	-0.26739	hypo	sig	chr1_23899200
chr12	1.3E+08	130161520	+	2.998E-15	3.9945E-14	0.205854	hyper	sig	chr12_130161520
chr16	51140158	51140158	+	2.999E-15	3.996E-14	-0.22418	hypo	sig	chr16_51140158
chr1	2.36E+08	236065406	+	2.999E-15	3.9962E-14	0.212829	hyper	sig	chr1_236065406
chr8	98948554	98948554	+	3.005E-15	4.0041E-14	0.250465	hyper	sig	chr8_98948554
chr2	46827891	46827891	+	3.006E-15	4.0057E-14	-0.22428	hypo	sig	chr2_46827891
chr20	61954702	61954702	+	3.006E-15	4.0057E-14	-0.31215	hypo	sig	chr20_61954702
chr7	2734924	2734924	+	3.007E-15	4.0067E-14	0.242778	hyper	sig	chr7_2734924
chr13	31100926	31100926	+	3.008E-15	4.008E-14	-0.26549	hypo	sig	chr13_31100926
chr1	3231079	3231079	+	3.011E-15	4.0117E-14	-0.25557	hypo	sig	chr1_3231079
chr9	98709704	98709704	+	3.012E-15	4.0129E-14	0.313457	hyper	sig	chr9_98709704
chr5	1.29E+08	128536707	+	3.012E-15	4.013E-14	0.241654	hyper	sig	chr5_128536707
chr11	32433898	32433898	+	3.013E-15	4.0144E-14	0.317977	hyper	sig	chr11_32433898
chr9	37964243	37964243	+	3.014E-15	4.0159E-14	-0.23493	hypo	sig	chr9_37964243
chr5	38468138	38468138	+	3.015E-15	4.016E-14	-0.25439	hypo	sig	chr5_38468138
chr12	1.22E+08	122182028	+	3.018E-15	4.02E-14	-0.22012	hypo	sig	chr12_122182028
chr16	86819154	86819154	+	3.018E-15	4.0211E-14	-0.24217	hypo	sig	chr16_86819154
chr8	2035314	2035314	+	3.019E-15	4.0214E-14	-0.21913	hypo	sig	chr8_2035314
chr4	386609	386609	+	3.019E-15	4.0216E-14	0.26458	hyper	sig	chr4_386609
chr13	1.11E+08	110869673	+	3.022E-15	4.0257E-14	-0.32985	hypo	sig	chr13_110869673
chr3	39183452	39183452	+	3.022E-15	4.0258E-14	0.2098	hyper	sig	chr3_39183452
chr8	92102660	92102660	+	3.022E-15	4.0261E-14	0.20555	hyper	sig	chr8_92102660
chr22	46123253	46123253	+	3.025E-15	4.0291E-14	-0.26191	hypo	sig	chr22_46123253
chr17	8758495	8758495	+	3.026E-15	4.0313E-14	-0.2303	hypo	sig	chr17_8758495
chr19	9498550	9498550	+	3.027E-15	4.0325E-14	0.279315	hyper	sig	chr19_9498550
chr1	2943267	2943267	+	3.028E-15	4.033E-14	-0.25475	hypo	sig	chr1_2943267
chr8	71558256	71558256	+	3.028E-15	4.0336E-14	0.319879	hyper	sig	chr8_71558256
chr7	711479	711479	+	3.029E-15	4.034E-14	0.388235	hyper	sig	chr7_711479
chr2	66437677	66437677	+	3.029E-15	4.0348E-14	0.208987	hyper	sig	chr2_66437677
chr12	7751632	7751632	+	3.031E-15	4.0366E-14	-0.30243	hypo	sig	chr12_7751632

chr1	2273991	2273991	+	3.031E-15	4.0368E-14	0.243017	hyper	sig	chr1_2273991
chr19	52370265	52370265	+	3.031E-15	4.0368E-14	0.229021	hyper	sig	chr19_52370265
chr2	2.35E+08	235027957	+	3.034E-15	4.0401E-14	-0.24953	hypo	sig	chr2_235027957
chr6	45664071	45664071	+	3.034E-15	4.0403E-14	0.279048	hyper	sig	chr6_45664071
chr19	6670181	6670181	+	3.035E-15	4.0422E-14	-0.31626	hypo	sig	chr19_6670181
chr17	41625880	41625880	+	3.036E-15	4.0437E-14	-0.33758	hypo	sig	chr17_41625880
chr21	42222328	42222328	+	3.037E-15	4.0439E-14	0.26498	hyper	sig	chr21_42222328
chr6	1.08E+08	108166264	+	3.04E-15	4.048E-14	0.346482	hyper	sig	chr6_108166264
chr12	1.14E+08	114396113	+	3.04E-15	4.0485E-14	0.235575	hyper	sig	chr12_114396113
chr2	54333493	54333493	+	3.041E-15	4.0494E-14	-0.30162	hypo	sig	chr2_54333493
chr2	910880	910880	+	3.044E-15	4.0535E-14	-0.26523	hypo	sig	chr2_910880
chr7	1.55E+08	155450017	+	3.045E-15	4.0542E-14	0.213872	hyper	sig	chr7_155450017
chr12	51216902	51216902	+	3.046E-15	4.0555E-14	0.269588	hyper	sig	chr12_51216902
chr16	88404379	88404379	+	3.049E-15	4.0599E-14	-0.21009	hypo	sig	chr16_88404379
chr3	1.53E+08	153159825	+	3.051E-15	4.0619E-14	-0.22526	hypo	sig	chr3_153159825
chr7	1.55E+08	155374967	+	3.051E-15	4.0621E-14	0.269789	hyper	sig	chr7_155374967
chr16	30382533	30382533	+	3.052E-15	4.0634E-14	-0.26205	hypo	sig	chr16_30382533
chr17	61405595	61405595	+	3.053E-15	4.0645E-14	0.238498	hyper	sig	chr17_61405595
chr12	1.32E+08	132341786	+	3.054E-15	4.0663E-14	-0.28861	hypo	sig	chr12_132341786
chr6	39934158	39934158	+	3.055E-15	4.0669E-14	0.24933	hyper	sig	chr6_39934158
chr3	1.54E+08	154122590	+	3.055E-15	4.0673E-14	0.245993	hyper	sig	chr3_154122590
chr10	1.03E+08	102658242	+	3.056E-15	4.0682E-14	-0.2	hypo	sig	chr10_102658242
chr6	1.7E+08	170223003	+	3.056E-15	4.0686E-14	-0.37727	hypo	sig	chr6_170223003
chr2	2.36E+08	236242197	+	3.057E-15	4.07E-14	-0.2277	hypo	sig	chr2_236242197
chr3	37994317	37994317	+	3.058E-15	4.0705E-14	0.247503	hyper	sig	chr3_37994317
chr1	1022937	1022937	+	3.058E-15	4.071E-14	-0.22621	hypo	sig	chr1_1022937
chr5	1.38E+08	138140633	+	3.058E-15	4.0711E-14	-0.23992	hypo	sig	chr5_138140633
chr1	1070018	1070018	+	3.059E-15	4.0719E-14	-0.2761	hypo	sig	chr1_1070018
chr7	1246413	1246413	+	3.059E-15	4.0724E-14	0.302293	hyper	sig	chr7_1246413
chr19	45762926	45762926	+	3.061E-15	4.0744E-14	-0.36112	hypo	sig	chr19_45762926
chr13	1.11E+08	110628637	+	3.061E-15	4.0746E-14	0.210089	hyper	sig	chr13_110628637
chr9	1.36E+08	135979749	+	3.067E-15	4.0819E-14	-0.20275	hypo	sig	chr9_135979749
chr4	41880563	41880563	+	3.069E-15	4.0842E-14	0.230236	hyper	sig	chr4_41880563
chr4	1.39E+08	139279498	+	3.072E-15	4.0884E-14	0.217321	hyper	sig	chr4_139279498
chr14	74239283	74239283	+	3.072E-15	4.0888E-14	0.232168	hyper	sig	chr14_74239283
chr7	93575814	93575814	+	3.073E-15	4.09E-14	0.200217	hyper	sig	chr7_93575814
chr2	2.32E+08	232415989	+	3.074E-15	4.0912E-14	-0.28345	hypo	sig	chr2_232415989
chr6	32221076	32221076	+	3.075E-15	4.0922E-14	-0.20532	hypo	sig	chr6_32221076
chr3	1.47E+08	147397320	+	3.075E-15	4.0928E-14	0.274354	hyper	sig	chr3_147397320
chr1	92481174	92481174	+	3.076E-15	4.0936E-14	0.232277	hyper	sig	chr1_92481174
chr2	26696300	26696300	+	3.077E-15	4.0947E-14	-0.21207	hypo	sig	chr2_26696300
chr17	52159889	52159889	+	3.078E-15	4.0956E-14	0.241598	hyper	sig	chr17_52159889
chr2	81985276	81985276	+	3.081E-15	4.0995E-14	-0.23643	hypo	sig	chr2_81985276
chr13	1.12E+08	111918166	+	3.081E-15	4.0996E-14	-0.2495	hypo	sig	chr13_111918166
chr3	1.4E+08	139939893	+	3.082E-15	4.1011E-14	-0.233	hypo	sig	chr3_139939893
chr15	59996149	59996149	+	3.083E-15	4.102E-14	0.225176	hyper	sig	chr15_59996149
chr22	37334979	37334979	+	3.084E-15	4.1035E-14	0.248012	hyper	sig	chr22_37334979
chr11	1.12E+08	111912896	+	3.088E-15	4.1085E-14	0.292685	hyper	sig	chr11_111912896
chr19	53978396	53978396	+	3.09E-15	4.1114E-14	0.420724	hyper	sig	chr19_53978396
chr5	1.41E+08	141428018	+	3.09E-15	4.1114E-14	0.274255	hyper	sig	chr5_141428018
chr9	1.37E+08	136665367	+	3.09E-15	4.1116E-14	0.204022	hyper	sig	chr9_136665367
chr3	1.54E+08	154428008	+	3.093E-15	4.1154E-14	0.233729	hyper	sig	chr3_154428008
chr5	1.79E+08	179165172	+	3.095E-15	4.1181E-14	-0.25	hypo	sig	chr5_179165172
chr17	50468760	50468760	+	3.099E-15	4.1232E-14	0.272259	hyper	sig	chr17_50468760
chr2	2.22E+08	222298891	+	3.1E-15	4.1245E-14	0.227099	hyper	sig	chr2_222298891
chr2	1.82E+08	181678126	+	3.101E-15	4.1253E-14	0.280287	hyper	sig	chr2_181678126

chr6	86937086	86937086	+	3.101E-15	4.1257E-14	0.253364	hyper	sig	chr6_86937086
chr11	15114976	15114976	+	3.102E-15	4.1264E-14	0.262781	hyper	sig	chr11_15114976
chr12	1.29E+08	128854271	+	3.104E-15	4.1289E-14	0.239756	hyper	sig	chr12_128854271
chr12	72273657	72273657	+	3.105E-15	4.1305E-14	0.249592	hyper	sig	chr12_72273657
chr12	64390698	64390698	+	3.106E-15	4.1321E-14	0.229084	hyper	sig	chr12_64390698
chr9	1.35E+08	134707326	+	3.107E-15	4.1334E-14	0.212014	hyper	sig	chr9_134707326
chr20	63306131	63306131	+	3.109E-15	4.1347E-14	-0.26871	hypo	sig	chr20_63306131
chr2	2.32E+08	231927193	+	3.113E-15	4.1405E-14	0.210376	hyper	sig	chr2_231927193
chr16	67649940	67649940	+	3.117E-15	4.1453E-14	0.253955	hyper	sig	chr16_67649940
chr17	39599879	39599879	+	3.117E-15	4.1456E-14	0.203825	hyper	sig	chr17_39599879
chr5	1.46E+08	146341318	+	3.118E-15	4.1472E-14	0.236386	hyper	sig	chr5_146341318
chr13	27979320	27979320	+	3.119E-15	4.1473E-14	0.254763	hyper	sig	chr13_27979320
chr4	1.53E+08	153205368	+	3.119E-15	4.1481E-14	-0.20813	hypo	sig	chr4_153205368
chr13	1.12E+08	111640248	+	3.119E-15	4.1482E-14	-0.23666	hypo	sig	chr13_111640248
chr5	1851009	1851009	+	3.12E-15	4.1487E-14	0.293761	hyper	sig	chr5_1851009
chr2	2.42E+08	241843151	+	3.122E-15	4.1512E-14	-0.22688	hypo	sig	chr2_241843151
chr7	1.51E+08	151187607	+	3.123E-15	4.1533E-14	-0.37651	hypo	sig	chr7_151187607
chr9	1.33E+08	133432731	+	3.125E-15	4.1558E-14	-0.25271	hypo	sig	chr9_133432731
chr1	2.36E+08	236394382	+	3.129E-15	4.16E-14	-0.20725	hypo	sig	chr1_236394382
chr22	41201363	41201363	+	3.13E-15	4.1618E-14	-0.29312	hypo	sig	chr22_41201363
chr10	22476043	22476043	+	3.137E-15	4.1709E-14	0.228456	hyper	sig	chr10_22476043
chr5	1.41E+08	141410230	+	3.14E-15	4.1747E-14	0.241852	hyper	sig	chr5_141410230
chr20	36431295	36431295	+	3.144E-15	4.1799E-14	-0.26971	hypo	sig	chr20_36431295
chr19	54338547	54338547	+	3.147E-15	4.1843E-14	-0.37448	hypo	sig	chr19_54338547
chr13	1.13E+08	112757205	+	3.148E-15	4.1846E-14	-0.22822	hypo	sig	chr13_112757205
chr17	6996571	6996571	+	3.148E-15	4.1848E-14	0.249353	hyper	sig	chr17_6996571
chr22	18998125	18998125	+	3.148E-15	4.1851E-14	0.228563	hyper	sig	chr22_18998125
chr5	59893824	59893824	+	3.15E-15	4.1868E-14	0.238437	hyper	sig	chr5_59893824
chr22	38798038	38798038	+	3.151E-15	4.189E-14	-0.2464	hypo	sig	chr22_38798038
chr6	50842999	50842999	+	3.152E-15	4.1899E-14	0.245144	hyper	sig	chr6_50842999
chr17	28467793	28467793	+	3.152E-15	4.1904E-14	-0.21123	hypo	sig	chr17_28467793
chr8	4995003	4995003	+	3.154E-15	4.1919E-14	0.228939	hyper	sig	chr8_4995003
chr19	38255999	38255999	+	3.154E-15	4.193E-14	0.251672	hyper	sig	chr19_38255999
chr10	73910722	73910722	+	3.156E-15	4.1945E-14	-0.20968	hypo	sig	chr10_73910722
chr11	3218971	3218971	+	3.158E-15	4.1975E-14	-0.22869	hypo	sig	chr11_3218971
chr1	1.52E+08	151839144	+	3.159E-15	4.1989E-14	0.279719	hyper	sig	chr1_151839144
chr9	95102912	95102912	+	3.16E-15	4.2E-14	0.247296	hyper	sig	chr9_95102912
chr17	40552278	40552278	+	3.16E-15	4.2001E-14	0.20304	hyper	sig	chr17_40552278
chr19	57583838	57583838	+	3.162E-15	4.2021E-14	0.250514	hyper	sig	chr19_57583838
chr7	82499775	82499775	+	3.166E-15	4.2077E-14	-0.22016	hypo	sig	chr7_82499775
chr11	6319317	6319317	+	3.166E-15	4.208E-14	0.252266	hyper	sig	chr11_6319317
chr7	5590322	5590322	+	3.167E-15	4.2092E-14	-0.23451	hypo	sig	chr7_5590322
chr13	57632947	57632947	+	3.169E-15	4.2116E-14	0.337533	hyper	sig	chr13_57632947
chr2	11682539	11682539	+	3.174E-15	4.2175E-14	-0.2297	hypo	sig	chr2_11682539
chr7	2105102	2105102	+	3.174E-15	4.2175E-14	0.218023	hyper	sig	chr7_2105102
chr8	81630517	81630517	+	3.174E-15	4.2175E-14	-0.34103	hypo	sig	chr8_81630517
chr1	99005089	99005089	+	3.174E-15	4.2183E-14	0.248567	hyper	sig	chr1_99005089
chr1	2.03E+08	203049979	+	3.175E-15	4.2194E-14	-0.24819	hypo	sig	chr1_203049979
chr2	1.32E+08	131830008	+	3.176E-15	4.2199E-14	0.291779	hyper	sig	chr2_131830008
chr12	1.13E+08	113463433	+	3.18E-15	4.2255E-14	0.227155	hyper	sig	chr12_113463433
chr1	1.81E+08	181483596	+	3.182E-15	4.2277E-14	0.218975	hyper	sig	chr1_181483596
chr11	724525	724525	+	3.182E-15	4.2286E-14	0.330629	hyper	sig	chr11_724525
chr3	1.26E+08	125972187	+	3.183E-15	4.2294E-14	0.215641	hyper	sig	chr3_125972187
chr11	17720596	17720596	+	3.183E-15	4.2299E-14	0.327079	hyper	sig	chr11_17720596
chr19	45815342	45815342	+	3.185E-15	4.2325E-14	0.336235	hyper	sig	chr19_45815342
chr5	1.41E+08	141364954	+	3.186E-15	4.2329E-14	0.219697	hyper	sig	chr5_141364954

chr16	85353990	85353990	+	3.189E-15	4.2364E-14	-0.27891	hypo	sig	chr16_85353990
chr12	2653491	2653491	+	3.19E-15	4.2378E-14	-0.22297	hypo	sig	chr12_2653491
chr13	1.11E+08	111410320	+	3.191E-15	4.239E-14	-0.29963	hypo	sig	chr13_111410320
chr14	99321050	99321050	+	3.191E-15	4.239E-14	-0.22073	hypo	sig	chr14_99321050
chr16	88133330	88133330	+	3.193E-15	4.2423E-14	-0.24238	hypo	sig	chr16_88133330
chr7	229641	229641	+	3.194E-15	4.2426E-14	0.230681	hyper	sig	chr7_229641
chr19	496233	496233	+	3.194E-15	4.2432E-14	0.245822	hyper	sig	chr19_496233
chr12	54031163	54031163	+	3.196E-15	4.2461E-14	0.252823	hyper	sig	chr12_54031163
chr1	16042911	16042911	+	3.197E-15	4.2472E-14	-0.25439	hypo	sig	chr1_16042911
chr12	1.32E+08	132352814	+	3.2E-15	4.2501E-14	-0.27948	hypo	sig	chr12_132352814
chr19	35307029	35307029	+	3.203E-15	4.254E-14	-0.26005	hypo	sig	chr19_35307029
chr1	16535562	16535562	+	3.203E-15	4.2546E-14	0.271432	hyper	sig	chr1_16535562
chr8	98948594	98948594	+	3.206E-15	4.2586E-14	0.218406	hyper	sig	chr8_98948594
chr8	2046455	2046455	+	3.208E-15	4.2606E-14	-0.24293	hypo	sig	chr8_2046455
chr1	77282680	77282680	+	3.211E-15	4.2645E-14	0.206772	hyper	sig	chr1_77282680
chr1	11654210	11654210	+	3.211E-15	4.2646E-14	0.258411	hyper	sig	chr1_11654210
chr3	1.34E+08	133674732	+	3.212E-15	4.2656E-14	0.306223	hyper	sig	chr3_133674732
chr6	1624743	1624743	+	3.212E-15	4.2656E-14	0.323551	hyper	sig	chr6_1624743
chr11	1.27E+08	127003484	+	3.215E-15	4.2702E-14	0.247881	hyper	sig	chr11_127003484
chr8	57143342	57143342	+	3.218E-15	4.2731E-14	0.374552	hyper	sig	chr8_57143342
chr3	1.96E+08	195849510	+	3.223E-15	4.2801E-14	-0.29272	hypo	sig	chr3_195849510
chr5	1174311	1174311	+	3.225E-15	4.2827E-14	-0.32691	hypo	sig	chr5_1174311
chr10	1.01E+08	101227536	+	3.226E-15	4.2837E-14	0.263173	hyper	sig	chr10_101227536
chr4	8108603	8108603	+	3.226E-15	4.2841E-14	-0.26784	hypo	sig	chr4_8108603
chr17	81386584	81386584	+	3.227E-15	4.2857E-14	0.269688	hyper	sig	chr17_81386584
chr10	1.26E+08	125892606	+	3.229E-15	4.2871E-14	-0.28132	hypo	sig	chr10_125892606
chr7	2567190	2567190	+	3.234E-15	4.2936E-14	0.248584	hyper	sig	chr7_2567190
chr13	1.12E+08	111956883	+	3.235E-15	4.2954E-14	-0.36343	hypo	sig	chr13_111956883
chr5	1.36E+08	136365462	+	3.237E-15	4.2977E-14	0.22619	hyper	sig	chr5_136365462
chr19	1005179	1005179	+	3.239E-15	4.2999E-14	-0.25011	hypo	sig	chr19_1005179
chr10	8520809	8520809	+	3.24E-15	4.3013E-14	-0.23968	hypo	sig	chr10_8520809
chr11	45682618	45682618	+	3.24E-15	4.3022E-14	-0.24101	hypo	sig	chr11_45682618
chr22	43433911	43433911	+	3.24E-15	4.3022E-14	-0.23735	hypo	sig	chr22_43433911
chr11	1.14E+08	114076276	+	3.243E-15	4.3052E-14	-0.28232	hypo	sig	chr11_114076276
chr8	69828013	69828013	+	3.243E-15	4.3055E-14	-0.22464	hypo	sig	chr8_69828013
chr10	55628022	55628022	+	3.243E-15	4.3056E-14	0.309615	hyper	sig	chr10_55628022
chr16	4537861	4537861	+	3.245E-15	4.3085E-14	0.269085	hyper	sig	chr16_4537861
chr5	1.41E+08	141370528	+	3.247E-15	4.3099E-14	0.359309	hyper	sig	chr5_141370528
chr11	73361963	73361963	+	3.247E-15	4.3108E-14	-0.30996	hypo	sig	chr11_73361963
chr11	69480210	69480210	+	3.249E-15	4.3132E-14	-0.22861	hypo	sig	chr11_69480210
chr12	52676360	52676360	+	3.252E-15	4.3172E-14	-0.21818	hypo	sig	chr12_52676360
chr3	14405119	14405119	+	3.255E-15	4.3201E-14	-0.2725	hypo	sig	chr3_14405119
chr2	98312275	98312275	+	3.255E-15	4.3211E-14	-0.26457	hypo	sig	chr2_98312275
chr8	1.43E+08	142510455	+	3.257E-15	4.3225E-14	0.259224	hyper	sig	chr8_142510455
chr16	56589048	56589048	+	3.259E-15	4.3258E-14	0.21951	hyper	sig	chr16_56589048
chr4	1.87E+08	187063416	+	3.26E-15	4.3264E-14	-0.24116	hypo	sig	chr4_187063416
chr3	37994410	37994410	+	3.26E-15	4.3268E-14	0.231068	hyper	sig	chr3_37994410
chr4	41744597	41744597	+	3.265E-15	4.3334E-14	0.256519	hyper	sig	chr4_41744597
chr8	26865873	26865873	+	3.266E-15	4.3341E-14	0.268675	hyper	sig	chr8_26865873
chr19	310561	310561	+	3.266E-15	4.3346E-14	0.270564	hyper	sig	chr19_310561
chr19	58155461	58155461	+	3.267E-15	4.3359E-14	0.227509	hyper	sig	chr19_58155461
chr14	1.02E+08	101565056	+	3.267E-15	4.336E-14	0.241358	hyper	sig	chr14_101565056
chr16	55330912	55330912	+	3.268E-15	4.3368E-14	0.264404	hyper	sig	chr16_55330912
chr13	94707728	94707728	+	3.269E-15	4.3383E-14	0.303377	hyper	sig	chr13_94707728
chr12	85279569	85279569	+	3.269E-15	4.3384E-14	0.257693	hyper	sig	chr12_85279569
chr19	40554604	40554604	+	3.27E-15	4.34E-14	0.229261	hyper	sig	chr19_40554604

chr19	35898616	35898616	+	3.272E-15	4.3414E-14	0.256943	hyper	sig	chr19_35898616
chr5	73452175	73452175	+	3.272E-15	4.3415E-14	0.284421	hyper	sig	chr5_73452175
chr1	1.11E+08	110674892	+	3.275E-15	4.346E-14	0.322243	hyper	sig	chr1_110674892
chr11	1310466	1310466	+	3.278E-15	4.3491E-14	-0.27163	hypo	sig	chr11_1310466
chr14	88326967	88326967	+	3.281E-15	4.3529E-14	0.206711	hyper	sig	chr14_88326967
chr13	27970516	27970516	+	3.285E-15	4.3589E-14	0.218634	hyper	sig	chr13_27970516
chr12	1.22E+08	121792680	+	3.286E-15	4.3595E-14	-0.26715	hypo	sig	chr12_121792680
chr2	11609961	11609961	+	3.287E-15	4.3609E-14	-0.26792	hypo	sig	chr2_11609961
chr5	1883265	1883265	+	3.287E-15	4.3609E-14	0.215518	hyper	sig	chr5_1883265
chr4	1.63E+08	163343749	+	3.287E-15	4.3611E-14	0.208056	hyper	sig	chr4_163343749
chr7	1.08E+08	107843374	+	3.29E-15	4.3646E-14	-0.27991	hypo	sig	chr7_107843374
chr13	26012257	26012257	+	3.29E-15	4.3652E-14	0.282792	hyper	sig	chr13_26012257
chr5	1.41E+08	141430984	+	3.292E-15	4.3672E-14	0.22437	hyper	sig	chr5_141430984
chr11	59555925	59555925	+	3.293E-15	4.3685E-14	0.205347	hyper	sig	chr11_59555925
chr4	1.74E+08	173526943	+	3.293E-15	4.3686E-14	0.287781	hyper	sig	chr4_173526943
chr9	1.34E+08	133609663	+	3.293E-15	4.3687E-14	0.249195	hyper	sig	chr9_133609663
chr3	1.82E+08	181725249	+	3.294E-15	4.3689E-14	0.226085	hyper	sig	chr3_181725249
chr10	93068362	93068362	+	3.294E-15	4.3689E-14	0.213406	hyper	sig	chr10_93068362
chr13	24746678	24746678	+	3.294E-15	4.3697E-14	0.361259	hyper	sig	chr13_24746678
chr16	1991825	1991825	+	3.298E-15	4.3744E-14	0.271562	hyper	sig	chr16_1991825
chr14	47675845	47675845	+	3.299E-15	4.3751E-14	0.226003	hyper	sig	chr14_47675845
chr1	66752301	66752301	+	3.303E-15	4.3807E-14	0.240719	hyper	sig	chr1_66752301
chr1	2.26E+08	225881287	+	3.303E-15	4.3812E-14	-0.26762	hypo	sig	chr1_225881287
chr11	69654892	69654892	+	3.31E-15	4.39E-14	-0.28975	hypo	sig	chr11_69654892
chr11	69014743	69014743	+	3.311E-15	4.3913E-14	0.236059	hyper	sig	chr11_69014743
chr9	1.37E+08	136821345	+	3.313E-15	4.394E-14	0.326004	hyper	sig	chr9_136821345
chr9	1.28E+08	128409017	+	3.314E-15	4.3949E-14	0.320959	hyper	sig	chr9_128409017
chr9	98944379	98944379	+	3.315E-15	4.3961E-14	0.235345	hyper	sig	chr9_98944379
chr2	1.76E+08	176085317	+	3.317E-15	4.3989E-14	0.238754	hyper	sig	chr2_176085317
chr3	52780693	52780693	+	3.319E-15	4.4012E-14	-0.20657	hypo	sig	chr3_52780693
chr1	18637414	18637414	+	3.32E-15	4.402E-14	0.294689	hyper	sig	chr1_18637414
chr2	2.41E+08	240519852	+	3.32E-15	4.4022E-14	0.340171	hyper	sig	chr2_240519852
chr4	3689502	3689502	+	3.32E-15	4.4029E-14	-0.21185	hypo	sig	chr4_3689502
chr5	1.8E+08	180090133	+	3.321E-15	4.4031E-14	0.303601	hyper	sig	chr5_180090133
chr1	16939012	16939012	+	3.321E-15	4.4032E-14	0.249966	hyper	sig	chr1_16939012
chr5	1.41E+08	141339245	+	3.321E-15	4.4034E-14	0.242496	hyper	sig	chr5_141339245
chr8	1.41E+08	141164608	+	3.322E-15	4.4054E-14	0.23303	hyper	sig	chr8_141164608
chr5	1.75E+08	174732318	+	3.326E-15	4.4098E-14	0.285934	hyper	sig	chr5_174732318
chr1	90719649	90719649	+	3.326E-15	4.4103E-14	0.287114	hyper	sig	chr1_90719649
chr14	75470110	75470110	+	3.326E-15	4.4103E-14	0.242179	hyper	sig	chr14_75470110
chr1	10668161	10668161	+	3.327E-15	4.411E-14	0.303079	hyper	sig	chr1_10668161
chr10	1.33E+08	132939013	+	3.328E-15	4.4121E-14	-0.27878	hypo	sig	chr10_132939013
chr2	2.41E+08	240519584	+	3.328E-15	4.4121E-14	0.264387	hyper	sig	chr2_240519584
chr11	1299465	1299465	+	3.328E-15	4.4127E-14	-0.21505	hypo	sig	chr11_1299465
chr1	3651490	3651490	+	3.334E-15	4.4199E-14	0.249339	hyper	sig	chr1_3651490
chr10	1.34E+08	133527064	+	3.334E-15	4.4202E-14	-0.23941	hypo	sig	chr10_133527064
chr12	1.13E+08	113469317	+	3.335E-15	4.4212E-14	0.258012	hyper	sig	chr12_113469317
chr16	86515259	86515259	+	3.335E-15	4.4215E-14	0.267662	hyper	sig	chr16_86515259
chr10	1.32E+08	132296415	+	3.339E-15	4.427E-14	-0.24172	hypo	sig	chr10_132296415
chr1	2.28E+08	228275007	+	3.34E-15	4.428E-14	0.269882	hyper	sig	chr1_228275007
chr7	19117640	19117640	+	3.343E-15	4.4316E-14	0.223708	hyper	sig	chr7_19117640
chr1	1.46E+08	145872365	+	3.344E-15	4.4327E-14	0.207406	hyper	sig	chr1_145872365
chr19	30228714	30228714	+	3.346E-15	4.4357E-14	0.206728	hyper	sig	chr19_30228714
chr3	50488187	50488187	+	3.346E-15	4.4357E-14	-0.24625	hypo	sig	chr3_50488187
chr12	1.3E+08	130088032	+	3.349E-15	4.439E-14	-0.26168	hypo	sig	chr12_130088032
chr17	76537248	76537248	+	3.35E-15	4.4405E-14	0.322952	hyper	sig	chr17_76537248

chr22	44729737	44729737	+	3.35E-15	4.4405E-14	0.288179	hyper	sig	chr22_44729737
chr2	1.15E+08	115162944	+	3.352E-15	4.4428E-14	0.308817	hyper	sig	chr2_115162944
chr14	24311537	24311537	+	3.354E-15	4.4455E-14	0.229709	hyper	sig	chr14_24311537
chr2	85667961	85667961	+	3.356E-15	4.4474E-14	-0.20066	hypo	sig	chr2_85667961
chr19	40513398	40513398	+	3.358E-15	4.451E-14	0.351365	hyper	sig	chr19_40513398
chr12	54497707	54497707	+	3.359E-15	4.452E-14	-0.23036	hypo	sig	chr12_54497707
chr16	57802960	57802960	+	3.359E-15	4.452E-14	0.353551	hyper	sig	chr16_57802960
chr3	1.58E+08	158103515	+	3.359E-15	4.452E-14	0.226799	hyper	sig	chr3_158103515
chr19	521281	521281	+	3.36E-15	4.4521E-14	-0.315	hypo	sig	chr19_521281
chr19	57191111	57191111	+	3.36E-15	4.4523E-14	0.225557	hyper	sig	chr19_57191111
chr11	1237283	1237283	+	3.362E-15	4.4554E-14	-0.25031	hypo	sig	chr11_1237283
chr3	47010056	47010056	+	3.363E-15	4.4563E-14	0.294915	hyper	sig	chr3_47010056
chr14	1E+08	100079084	+	3.363E-15	4.4567E-14	-0.22176	hypo	sig	chr14_100079084
chr11	69089415	69089415	+	3.364E-15	4.4576E-14	0.203516	hyper	sig	chr11_69089415
chr2	10497829	10497829	+	3.366E-15	4.4604E-14	-0.26308	hypo	sig	chr2_10497829
chr15	25863536	25863536	+	3.368E-15	4.4632E-14	0.220793	hyper	sig	chr15_25863536
chr4	8010623	8010623	+	3.369E-15	4.4643E-14	0.305419	hyper	sig	chr4_8010623
chr6	1.37E+08	137493586	+	3.369E-15	4.4646E-14	0.28187	hyper	sig	chr6_137493586
chr19	2588591	2588591	+	3.372E-15	4.4677E-14	-0.21447	hypo	sig	chr19_2588591
chr11	1.21E+08	120517137	+	3.374E-15	4.4704E-14	-0.25116	hypo	sig	chr11_120517137
chr5	1.76E+08	175872795	+	3.375E-15	4.4715E-14	0.24701	hyper	sig	chr5_175872795
chr1	2.08E+08	207645425	+	3.379E-15	4.4768E-14	0.296121	hyper	sig	chr1_207645425
chr2	1.92E+08	192195629	+	3.382E-15	4.4808E-14	0.333587	hyper	sig	chr2_192195629
chr8	71843432	71843432	+	3.385E-15	4.4844E-14	0.237037	hyper	sig	chr8_71843432
chr4	11427192	11427192	+	3.385E-15	4.4848E-14	0.226926	hyper	sig	chr4_11427192
chr1	3140387	3140387	+	3.386E-15	4.4858E-14	0.259018	hyper	sig	chr1_3140387
chr16	29785081	29785081	+	3.387E-15	4.4865E-14	0.20818	hyper	sig	chr16_29785081
chr17	38466837	38466837	+	3.387E-15	4.4866E-14	0.289646	hyper	sig	chr17_38466837
chr4	1.13E+08	112520807	+	3.388E-15	4.4883E-14	0.226879	hyper	sig	chr4_112520807
chr7	76166449	76166449	+	3.391E-15	4.4912E-14	-0.20475	hypo	sig	chr7_76166449
chr19	1254235	1254235	+	3.393E-15	4.494E-14	0.266255	hyper	sig	chr19_1254235
chr17	897056	897056	+	3.397E-15	4.4994E-14	0.272894	hyper	sig	chr17_897056
chr8	92102465	92102465	+	3.398E-15	4.5014E-14	0.26664	hyper	sig	chr8_92102465
chr6	27791679	27791679	+	3.398E-15	4.5014E-14	-0.21459	hypo	sig	chr6_27791679
chr6	6549510	6549510	+	3.399E-15	4.5025E-14	-0.3991	hypo	sig	chr6_6549510
chr9	1.3E+08	129836706	+	3.404E-15	4.5086E-14	0.288134	hyper	sig	chr9_129836706
chr21	26844159	26844159	+	3.405E-15	4.5105E-14	0.217392	hyper	sig	chr21_26844159
chr22	36322414	36322414	+	3.406E-15	4.5115E-14	0.201892	hyper	sig	chr22_36322414
chr5	1.46E+08	146343292	+	3.407E-15	4.513E-14	0.252371	hyper	sig	chr5_146343292
chr11	75539681	75539681	+	3.408E-15	4.5143E-14	0.21945	hyper	sig	chr11_75539681
chr20	38805588	38805588	+	3.41E-15	4.5158E-14	0.275355	hyper	sig	chr20_38805588
chr14	91400341	91400341	+	3.41E-15	4.5163E-14	-0.25897	hypo	sig	chr14_91400341
chr1	36162127	36162127	+	3.41E-15	4.5166E-14	0.303082	hyper	sig	chr1_36162127
chr3	1.43E+08	143121331	+	3.411E-15	4.5177E-14	0.243614	hyper	sig	chr3_143121331
chr1	5708481	5708481	+	3.412E-15	4.5191E-14	-0.27207	hypo	sig	chr1_5708481
chr11	66424673	66424673	+	3.413E-15	4.5198E-14	-0.27584	hypo	sig	chr11_66424673
chr8	96161439	96161439	+	3.414E-15	4.5217E-14	0.252966	hyper	sig	chr8_96161439
chr12	1840337	1840337	+	3.415E-15	4.5226E-14	-0.25995	hypo	sig	chr12_1840337
chr7	1.59E+08	158586427	+	3.416E-15	4.524E-14	0.297809	hyper	sig	chr7_158586427
chr5	1.75E+08	175445327	+	3.418E-15	4.5267E-14	0.295813	hyper	sig	chr5_175445327
chr2	17194748	17194748	+	3.42E-15	4.5292E-14	-0.25636	hypo	sig	chr2_17194748
chr11	1.23E+08	123122500	+	3.42E-15	4.5292E-14	-0.23469	hypo	sig	chr11_123122500
chr12	98455825	98455825	+	3.423E-15	4.533E-14	-0.27632	hypo	sig	chr12_98455825
chr14	1.01E+08	101232811	+	3.427E-15	4.5382E-14	0.23274	hyper	sig	chr14_101232811
chr15	31063227	31063227	+	3.429E-15	4.54E-14	-0.21371	hypo	sig	chr15_31063227
chr17	57874806	57874806	+	3.43E-15	4.541E-14	0.274891	hyper	sig	chr17_57874806

chr4	993322	993322	+	3.431E-15	4.5424E-14	-0.24491	hypo	sig	chr4_993322
chr10	1.22E+08	122463083	+	3.433E-15	4.545E-14	0.259606	hyper	sig	chr10_122463083
chr6	16181019	16181019	+	3.436E-15	4.5493E-14	0.213857	hyper	sig	chr6_16181019
chr8	61911236	61911236	+	3.438E-15	4.5511E-14	-0.30396	hypo	sig	chr8_61911236
chr14	55241060	55241060	+	3.439E-15	4.5531E-14	0.313896	hyper	sig	chr14_55241060
chr13	67773163	67773163	+	3.445E-15	4.5605E-14	-0.2184	hypo	sig	chr13_67773163
chr7	1.44E+08	143885215	+	3.446E-15	4.5617E-14	0.270448	hyper	sig	chr7_143885215
chr16	75207407	75207407	+	3.446E-15	4.5618E-14	-0.21419	hypo	sig	chr16_75207407
chr3	37992011	37992011	+	3.447E-15	4.5631E-14	-0.25324	hypo	sig	chr3_37992011
chr21	42314326	42314326	+	3.448E-15	4.5641E-14	-0.29805	hypo	sig	chr21_42314326
chr18	77251851	77251851	+	3.448E-15	4.5648E-14	0.211565	hyper	sig	chr18_77251851
chr15	77995373	77995373	+	3.449E-15	4.5655E-14	0.207501	hyper	sig	chr15_77995373
chr18	28176369	28176369	+	3.451E-15	4.5683E-14	0.256891	hyper	sig	chr18_28176369
chr19	39204159	39204159	+	3.452E-15	4.5697E-14	0.266844	hyper	sig	chr19_39204159
chr20	63472255	63472255	+	3.455E-15	4.5735E-14	0.229535	hyper	sig	chr20_63472255
chr14	97033569	97033569	+	3.456E-15	4.5749E-14	0.237759	hyper	sig	chr14_97033569
chr2	2.42E+08	241814063	+	3.461E-15	4.5813E-14	-0.30915	hypo	sig	chr2_241814063
chr6	12750160	12750160	+	3.461E-15	4.5816E-14	0.335443	hyper	sig	chr6_12750160
chr5	88660030	88660030	+	3.467E-15	4.5886E-14	0.269065	hyper	sig	chr5_88660030
chr11	89491544	89491544	+	3.469E-15	4.5914E-14	0.23038	hyper	sig	chr11_89491544
chr1	1163831	1163831	+	3.47E-15	4.592E-14	-0.28774	hypo	sig	chr1_1163831
chr11	64368405	64368405	+	3.47E-15	4.593E-14	0.218277	hyper	sig	chr11_64368405
chr5	1.41E+08	141216293	+	3.472E-15	4.5953E-14	0.278491	hyper	sig	chr5_141216293
chr9	33524436	33524436	+	3.472E-15	4.5954E-14	0.216698	hyper	sig	chr9_33524436
chr11	1.19E+08	118971715	+	3.474E-15	4.5975E-14	0.247027	hyper	sig	chr11_118971715
chr4	1.17E+08	116925950	+	3.475E-15	4.5986E-14	0.251481	hyper	sig	chr4_116925950
chr4	6035868	6035868	+	3.476E-15	4.6004E-14	-0.21351	hypo	sig	chr4_6035868
chr16	1550303	1550303	+	3.477E-15	4.6013E-14	0.217359	hyper	sig	chr16_1550303
chr13	1.12E+08	112450558	+	3.477E-15	4.6016E-14	-0.22947	hypo	sig	chr13_112450558
chr2	2.39E+08	239048915	+	3.478E-15	4.6025E-14	0.252176	hyper	sig	chr2_239048915
chr5	1.11E+08	111070835	+	3.481E-15	4.6058E-14	0.277482	hyper	sig	chr5_111070835
chr6	32079345	32079345	+	3.482E-15	4.6077E-14	-0.26708	hypo	sig	chr6_32079345
chr16	1247805	1247805	+	3.484E-15	4.6102E-14	-0.24902	hypo	sig	chr16_1247805
chr2	88453108	88453108	+	3.485E-15	4.611E-14	0.212961	hyper	sig	chr2_88453108
chr1	68046967	68046967	+	3.488E-15	4.6153E-14	-0.22799	hypo	sig	chr1_68046967
chr15	80251187	80251187	+	3.491E-15	4.6192E-14	0.22465	hyper	sig	chr15_80251187
chr5	2755948	2755948	+	3.491E-15	4.6192E-14	0.203866	hyper	sig	chr5_2755948
chr11	7254514	7254514	+	3.493E-15	4.6208E-14	-0.30055	hypo	sig	chr11_7254514
chr19	10636474	10636474	+	3.494E-15	4.622E-14	0.220298	hyper	sig	chr19_10636474
chr12	42287384	42287384	+	3.495E-15	4.624E-14	-0.24411	hypo	sig	chr12_42287384
chr13	83881958	83881958	+	3.496E-15	4.6246E-14	0.265937	hyper	sig	chr13_83881958
chr5	88689797	88689797	+	3.498E-15	4.6277E-14	0.259181	hyper	sig	chr5_88689797
chr19	3627677	3627677	+	3.5E-15	4.6294E-14	-0.26721	hypo	sig	chr19_3627677
chr16	67843552	67843552	+	3.5E-15	4.6294E-14	0.285538	hyper	sig	chr16_67843552
chr2	1.82E+08	181685341	+	3.5E-15	4.6294E-14	0.223708	hyper	sig	chr2_181685341
chr10	42933171	42933171	+	3.502E-15	4.6326E-14	0.217898	hyper	sig	chr10_42933171
chr2	1.19E+08	118849521	+	3.504E-15	4.6344E-14	0.258978	hyper	sig	chr2_118849521
chr9	96087398	96087398	+	3.504E-15	4.6349E-14	-0.28309	hypo	sig	chr9_96087398
chr1	2.36E+08	236155115	+	3.504E-15	4.635E-14	-0.21201	hypo	sig	chr1_236155115
chr19	40225890	40225890	+	3.504E-15	4.6352E-14	0.237311	hyper	sig	chr19_40225890
chr16	1023544	1023544	+	3.505E-15	4.6361E-14	-0.23201	hypo	sig	chr16_1023544
chr11	69817419	69817419	+	3.505E-15	4.6363E-14	0.200614	hyper	sig	chr11_69817419
chr15	28792779	28792779	+	3.509E-15	4.6407E-14	-0.28128	hypo	sig	chr15_28792779
chr5	31639759	31639759	+	3.511E-15	4.6437E-14	0.327534	hyper	sig	chr5_31639759
chr1	27403606	27403606	+	3.511E-15	4.6441E-14	0.230901	hyper	sig	chr1_27403606
chr10	23175079	23175079	+	3.512E-15	4.6441E-14	0.25267	hyper	sig	chr10_23175079

chr17	28405356	28405356	+	3.511E-15	4.6441E-14	0.251605	hyper	sig	chr17_28405356
chr3	1.7E+08	169811913	+	3.512E-15	4.6449E-14	0.213596	hyper	sig	chr3_169811913
chr1	90719220	90719220	+	3.513E-15	4.6453E-14	0.267651	hyper	sig	chr1_90719220
chr5	1.41E+08	141373848	+	3.514E-15	4.6472E-14	0.228103	hyper	sig	chr5_141373848
chr6	77462964	77462964	+	3.517E-15	4.6508E-14	0.262527	hyper	sig	chr6_77462964
chr16	29785354	29785354	+	3.52E-15	4.6542E-14	0.217861	hyper	sig	chr16_29785354
chr11	90052742	90052742	+	3.522E-15	4.6577E-14	0.248465	hyper	sig	chr11_90052742
chr4	2260591	2260591	+	3.525E-15	4.6606E-14	0.300158	hyper	sig	chr4_2260591
chr1	1.62E+08	161621414	+	3.525E-15	4.6608E-14	0.22891	hyper	sig	chr1_161621414
chr11	15070927	15070927	+	3.526E-15	4.6626E-14	-0.24317	hypo	sig	chr11_15070927
chr2	2.42E+08	241804287	+	3.526E-15	4.6628E-14	0.300648	hyper	sig	chr2_241804287
chr11	69948781	69948781	+	3.528E-15	4.6649E-14	-0.24654	hypo	sig	chr11_69948781
chr3	13282200	13282200	+	3.532E-15	4.6696E-14	0.341153	hyper	sig	chr3_13282200
chr11	86195219	86195219	+	3.534E-15	4.6722E-14	-0.26589	hypo	sig	chr11_86195219
chr18	904877	904877	+	3.536E-15	4.6754E-14	0.242125	hyper	sig	chr18_904877
chr19	1075154	1075154	+	3.54E-15	4.6805E-14	-0.24005	hypo	sig	chr19_1075154
chr5	1.35E+08	135327192	+	3.543E-15	4.6835E-14	0.213661	hyper	sig	chr5_135327192
chr2	38074630	38074630	+	3.543E-15	4.6838E-14	0.259892	hyper	sig	chr2_38074630
chr19	871047	871047	+	3.544E-15	4.6857E-14	0.238286	hyper	sig	chr19_871047
chr16	1093693	1093693	+	3.546E-15	4.6874E-14	-0.23607	hypo	sig	chr16_1093693
chr12	98893983	98893983	+	3.555E-15	4.6987E-14	0.228537	hyper	sig	chr12_98893983
chr8	1465991	1465991	+	3.556E-15	4.7008E-14	-0.25941	hypo	sig	chr8_1465991
chr4	41880547	41880547	+	3.557E-15	4.7013E-14	0.21911	hyper	sig	chr4_41880547
chr14	30875851	30875851	+	3.557E-15	4.7019E-14	0.312167	hyper	sig	chr14_30875851
chr7	1753199	1753199	+	3.557E-15	4.7022E-14	-0.2314	hypo	sig	chr7_1753199
chr10	1.25E+08	124545569	+	3.558E-15	4.7024E-14	-0.25142	hypo	sig	chr10_124545569
chr9	1.28E+08	127904796	+	3.561E-15	4.7074E-14	0.212026	hyper	sig	chr9_127904796
chr16	67884581	67884581	+	3.562E-15	4.7082E-14	0.243867	hyper	sig	chr16_67884581
chr3	1.33E+08	133167655	+	3.563E-15	4.7099E-14	-0.21931	hypo	sig	chr3_133167655
chr2	1.09E+08	109172378	+	3.564E-15	4.7106E-14	0.278142	hyper	sig	chr2_109172378
chr11	72594302	72594302	+	3.568E-15	4.7156E-14	-0.33481	hypo	sig	chr11_72594302
chr17	82795303	82795303	+	3.569E-15	4.717E-14	0.268627	hyper	sig	chr17_82795303
chr4	72032021	72032021	+	3.57E-15	4.7185E-14	0.287663	hyper	sig	chr4_72032021
chr19	1520561	1520561	+	3.571E-15	4.7198E-14	-0.29318	hypo	sig	chr19_1520561
chr3	9955288	9955288	+	3.572E-15	4.721E-14	0.243198	hyper	sig	chr3_9955288
chr1	2.01E+08	201476634	+	3.573E-15	4.7217E-14	-0.33214	hypo	sig	chr1_201476634
chr4	1.47E+08	146639009	+	3.576E-15	4.7259E-14	0.239628	hyper	sig	chr4_146639009
chr8	96157513	96157513	+	3.576E-15	4.7259E-14	0.219832	hyper	sig	chr8_96157513
chr1	2.08E+08	207669554	+	3.578E-15	4.7285E-14	0.285033	hyper	sig	chr1_207669554
chr17	49788091	49788091	+	3.579E-15	4.7295E-14	0.22684	hyper	sig	chr17_49788091
chr21	33020121	33020121	+	3.579E-15	4.7297E-14	0.250823	hyper	sig	chr21_33020121
chr9	1.38E+08	137788791	+	3.58E-15	4.731E-14	-0.32945	hypo	sig	chr9_137788791
chr10	26218429	26218429	+	3.581E-15	4.7321E-14	0.233575	hyper	sig	chr10_26218429
chr11	49208417	49208417	+	3.583E-15	4.7345E-14	0.417678	hyper	sig	chr11_49208417
chr1	24931056	24931056	+	3.583E-15	4.7346E-14	0.252142	hyper	sig	chr1_24931056
chr2	1.76E+08	176161602	+	3.588E-15	4.7405E-14	0.228225	hyper	sig	chr2_176161602
chr3	1.82E+08	181696059	+	3.589E-15	4.7418E-14	0.223922	hyper	sig	chr3_181696059
chr4	2320331	2320331	+	3.592E-15	4.7453E-14	-0.27037	hypo	sig	chr4_2320331
chr20	10218139	10218139	+	3.593E-15	4.7462E-14	0.301792	hyper	sig	chr20_10218139
chr8	64373706	64373706	+	3.595E-15	4.7495E-14	0.269341	hyper	sig	chr8_64373706
chr17	42785303	42785303	+	3.597E-15	4.7523E-14	0.285609	hyper	sig	chr17_42785303
chr19	50608085	50608085	+	3.598E-15	4.7526E-14	0.216036	hyper	sig	chr19_50608085
chr6	1.17E+08	117263455	+	3.598E-15	4.753E-14	0.247758	hyper	sig	chr6_117263455
chr2	23617937	23617937	+	3.603E-15	4.7599E-14	0.387593	hyper	sig	chr2_23617937
chr5	33936064	33936064	+	3.603E-15	4.7602E-14	0.207293	hyper	sig	chr5_33936064
chr14	87993619	87993619	+	3.606E-15	4.7633E-14	-0.20238	hypo	sig	chr14_87993619

chr11	17547355	17547355	+	3.607E-15	4.765E-14	0.247353	hyper	sig	chr11_17547355
chr9	1.1E+08	110090206	+	3.608E-15	4.7654E-14	-0.25512	hypo	sig	chr9_110090206
chr17	76000110	76000110	+	3.608E-15	4.7663E-14	0.253714	hyper	sig	chr17_76000110
chr6	50722951	50722951	+	3.609E-15	4.7665E-14	0.226296	hyper	sig	chr6_50722951
chr2	1.2E+08	120384988	+	3.61E-15	4.7685E-14	-0.25122	hypo	sig	chr2_120384988
chr6	1.5E+08	149948084	+	3.612E-15	4.7709E-14	-0.25724	hypo	sig	chr6_149948084
chr19	58003263	58003263	+	3.62E-15	4.7805E-14	0.324564	hyper	sig	chr19_58003263
chr13	1.1E+08	110388282	+	3.62E-15	4.7806E-14	0.235931	hyper	sig	chr13_110388282
chr11	1.18E+08	117810233	+	3.62E-15	4.7813E-14	-0.23921	hypo	sig	chr11_117810233
chr7	1.51E+08	151014071	+	3.62E-15	4.7813E-14	0.266462	hyper	sig	chr7_151014071
chr11	69008056	69008056	+	3.621E-15	4.7823E-14	0.267695	hyper	sig	chr11_69008056
chr8	1.2E+08	119673087	+	3.621E-15	4.7823E-14	0.228845	hyper	sig	chr8_119673087
chr3	51984189	51984189	+	3.623E-15	4.7845E-14	-0.27737	hypo	sig	chr3_51984189
chr7	229181	229181	+	3.623E-15	4.7848E-14	0.294284	hyper	sig	chr7_229181
chr7	35259168	35259168	+	3.625E-15	4.7869E-14	0.251288	hyper	sig	chr7_35259168
chr17	78890766	78890766	+	3.625E-15	4.7876E-14	-0.22903	hypo	sig	chr17_78890766
chr19	58118643	58118643	+	3.628E-15	4.7906E-14	0.28443	hyper	sig	chr19_58118643
chr1	2.29E+08	229270751	+	3.631E-15	4.795E-14	-0.25666	hypo	sig	chr1_229270751
chr2	80322670	80322670	+	3.633E-15	4.797E-14	0.290936	hyper	sig	chr2_80322670
chr5	64166410	64166410	+	3.633E-15	4.797E-14	0.244574	hyper	sig	chr5_64166410
chr19	15181715	15181715	+	3.637E-15	4.8023E-14	-0.32957	hypo	sig	chr19_15181715
chr2	1.92E+08	192193872	+	3.643E-15	4.8095E-14	0.215079	hyper	sig	chr2_192193872
chr1	2.06E+08	205944294	+	3.643E-15	4.8101E-14	-0.22562	hypo	sig	chr1_205944294
chr10	1.29E+08	129022432	+	3.643E-15	4.8104E-14	-0.29444	hypo	sig	chr10_129022432
chr4	1.55E+08	154742946	+	3.644E-15	4.8109E-14	0.276427	hyper	sig	chr4_154742946
chr5	79069774	79069774	+	3.644E-15	4.8117E-14	0.345483	hyper	sig	chr5_79069774
chr8	1.1E+08	109692101	+	3.645E-15	4.8119E-14	0.204444	hyper	sig	chr8_109692101
chr15	1.01E+08	100849182	+	3.646E-15	4.814E-14	0.227253	hyper	sig	chr15_100849182
chr11	64378974	64378974	+	3.647E-15	4.815E-14	0.296432	hyper	sig	chr11_64378974
chr15	78756140	78756140	+	3.647E-15	4.815E-14	0.216472	hyper	sig	chr15_78756140
chr16	31430666	31430666	+	3.648E-15	4.8154E-14	-0.23716	hypo	sig	chr16_31430666
chr5	43033866	43033866	+	3.649E-15	4.8178E-14	0.265943	hyper	sig	chr5_43033866
chr2	1.31E+08	131402845	+	3.651E-15	4.8192E-14	-0.24387	hypo	sig	chr2_131402845
chr10	84224605	84224605	+	3.651E-15	4.8202E-14	-0.31297	hypo	sig	chr10_84224605
chr11	73342616	73342616	+	3.652E-15	4.8208E-14	0.233834	hyper	sig	chr11_73342616
chr8	52940075	52940075	+	3.652E-15	4.8214E-14	0.28292	hyper	sig	chr8_52940075
chr7	86441549	86441549	+	3.653E-15	4.8225E-14	-0.27725	hypo	sig	chr7_86441549
chr16	54291217	54291217	+	3.655E-15	4.825E-14	0.276781	hyper	sig	chr16_54291217
chr12	1.15E+08	114699991	+	3.655E-15	4.825E-14	0.284135	hyper	sig	chr12_114699991
chr5	1.35E+08	135028239	+	3.657E-15	4.8268E-14	0.321557	hyper	sig	chr5_135028239
chr13	95645084	95645084	+	3.658E-15	4.8288E-14	0.224031	hyper	sig	chr13_95645084
chr8	47763485	47763485	+	3.66E-15	4.8306E-14	0.238542	hyper	sig	chr8_47763485
chr10	1.25E+08	124648236	+	3.663E-15	4.8352E-14	-0.24525	hypo	sig	chr10_124648236
chr19	4552582	4552582	+	3.667E-15	4.8398E-14	-0.24207	hypo	sig	chr19_4552582
chr13	1.11E+08	111121823	+	3.67E-15	4.8434E-14	-0.23347	hypo	sig	chr13_111121823
chr7	95325094	95325094	+	3.672E-15	4.8457E-14	-0.24518	hypo	sig	chr7_95325094
chr6	28765918	28765918	+	3.673E-15	4.8473E-14	0.225157	hyper	sig	chr6_28765918
chr4	1.54E+08	153789634	+	3.674E-15	4.8486E-14	0.261977	hyper	sig	chr4_153789634
chr3	13637780	13637780	+	3.679E-15	4.855E-14	-0.26314	hypo	sig	chr3_13637780
chr19	48444443	48444443	+	3.682E-15	4.8587E-14	0.33314	hyper	sig	chr19_48444443
chr6	31946511	31946511	+	3.682E-15	4.8587E-14	-0.24245	hypo	sig	chr6_31946511
chr9	97221214	97221214	+	3.682E-15	4.8594E-14	0.267196	hyper	sig	chr9_97221214
chr6	30451553	30451553	+	3.683E-15	4.8597E-14	0.334131	hyper	sig	chr6_30451553
chr1	92441740	92441740	+	3.683E-15	4.8603E-14	-0.27524	hypo	sig	chr1_92441740
chr10	15719205	15719205	+	3.69E-15	4.8693E-14	0.229299	hyper	sig	chr10_15719205
chr8	1.31E+08	131039861	+	3.695E-15	4.8752E-14	0.322071	hyper	sig	chr8_131039861

chr17	50469285	50469285	+	3.698E-15	4.8791E-14	0.213547	hyper	sig	chr17_50469285
chr21	26845357	26845357	+	3.7E-15	4.8812E-14	0.244646	hyper	sig	chr21_26845357
chr8	9903087	9903087	+	3.703E-15	4.885E-14	0.264251	hyper	sig	chr8_9903087
chr15	59994192	59994192	+	3.703E-15	4.8853E-14	0.232273	hyper	sig	chr15_59994192
chr2	2.4E+08	240144433	+	3.705E-15	4.8877E-14	-0.26848	hypo	sig	chr2_240144433
chr8	41309618	41309618	+	3.705E-15	4.8883E-14	0.20977	hyper	sig	chr8_41309618
chr10	90857239	90857239	+	3.706E-15	4.8893E-14	0.335253	hyper	sig	chr10_90857239
chr7	530283	530283	+	3.708E-15	4.8911E-14	-0.24133	hypo	sig	chr7_530283
chr9	1050903	1050903	+	3.708E-15	4.8911E-14	-0.20049	hypo	sig	chr9_1050903
chr16	86516317	86516317	+	3.709E-15	4.8925E-14	0.233775	hyper	sig	chr16_86516317
chr3	13283376	13283376	+	3.709E-15	4.893E-14	0.238953	hyper	sig	chr3_13283376
chr1	19664275	19664275	+	3.712E-15	4.8966E-14	-0.24079	hypo	sig	chr1_19664275
chr15	70448088	70448088	+	3.714E-15	4.8988E-14	-0.20898	hypo	sig	chr15_70448088
chr6	1.05E+08	104941573	+	3.714E-15	4.8989E-14	0.281077	hyper	sig	chr6_104941573
chr20	31485734	31485734	+	3.714E-15	4.8995E-14	0.339816	hyper	sig	chr20_31485734
chr6	35141704	35141704	+	3.716E-15	4.9015E-14	-0.26042	hypo	sig	chr6_35141704
chr7	1.42E+08	141550994	+	3.717E-15	4.9023E-14	0.335926	hyper	sig	chr7_141550994
chr5	1.81E+08	181114003	+	3.718E-15	4.9034E-14	-0.23799	hypo	sig	chr5_181114003
chr10	510530	510530	+	3.721E-15	4.9079E-14	0.245172	hyper	sig	chr10_510530
chr2	2.42E+08	241771455	+	3.721E-15	4.9079E-14	0.260356	hyper	sig	chr2_241771455
chr11	1.34E+08	134387646	+	3.722E-15	4.9087E-14	-0.2269	hypo	sig	chr11_134387646
chr5	1.73E+08	173244722	+	3.723E-15	4.9104E-14	0.330065	hyper	sig	chr5_173244722
chr20	51023459	51023459	+	3.727E-15	4.915E-14	0.277085	hyper	sig	chr20_51023459
chr7	665870	665870	+	3.733E-15	4.9226E-14	0.327767	hyper	sig	chr7_665870
chr15	84884512	84884512	+	3.737E-15	4.9279E-14	-0.2493	hypo	sig	chr15_84884512
chr7	27122170	27122170	+	3.738E-15	4.929E-14	-0.22083	hypo	sig	chr7_27122170
chr9	1.35E+08	134819939	+	3.739E-15	4.9302E-14	-0.24566	hypo	sig	chr9_134819939
chr20	62740159	62740159	+	3.739E-15	4.9302E-14	-0.31542	hypo	sig	chr20_62740159
chr7	1.45E+08	145270575	+	3.739E-15	4.9305E-14	-0.26202	hypo	sig	chr7_145270575
chr2	1.07E+08	106584483	+	3.741E-15	4.9327E-14	0.23309	hyper	sig	chr2_106584483
chr5	1.8E+08	180090159	+	3.749E-15	4.9427E-14	0.314812	hyper	sig	chr5_180090159
chr3	1.96E+08	195834103	+	3.756E-15	4.952E-14	-0.35719	hypo	sig	chr3_195834103
chr12	53952131	53952131	+	3.756E-15	4.9521E-14	0.225287	hyper	sig	chr12_53952131
chr22	48501341	48501341	+	3.761E-15	4.9589E-14	-0.34262	hypo	sig	chr22_48501341
chr3	42686311	42686311	+	3.769E-15	4.9689E-14	0.336317	hyper	sig	chr3_42686311
chr10	1.33E+08	132848684	+	3.771E-15	4.9713E-14	-0.21781	hypo	sig	chr10_132848684
chr11	1.19E+08	119315009	+	3.771E-15	4.9714E-14	0.241796	hyper	sig	chr11_119315009
chr7	11832424	11832424	+	3.772E-15	4.9718E-14	0.268112	hyper	sig	chr7_11832424
chr1	2.12E+08	211514715	+	3.773E-15	4.9737E-14	-0.23348	hypo	sig	chr1_211514715
chr7	1.3E+08	130491417	+	3.775E-15	4.9764E-14	0.216407	hyper	sig	chr7_130491417
chr2	1.18E+08	117836650	+	3.778E-15	4.9798E-14	0.340078	hyper	sig	chr2_117836650
chr5	1835667	1835667	+	3.783E-15	4.9871E-14	-0.22054	hypo	sig	chr5_1835667
chr7	19118108	19118108	+	3.787E-15	4.992E-14	0.22938	hyper	sig	chr7_19118108
chr19	11361305	11361305	+	3.788E-15	4.9925E-14	-0.29937	hypo	sig	chr19_11361305
chr16	166050	166050	+	3.789E-15	4.9939E-14	0.211179	hyper	sig	chr16_166050
chr13	36432105	36432105	+	3.791E-15	4.9962E-14	0.261331	hyper	sig	chr13_36432105
chr7	56115885	56115885	+	3.795E-15	5.0024E-14	0.24969	hyper	sig	chr7_56115885
chr10	1.33E+08	133195356	+	3.796E-15	5.0031E-14	-0.36624	hypo	sig	chr10_133195356
chr14	73712312	73712312	+	3.796E-15	5.0034E-14	0.221524	hyper	sig	chr14_73712312
chr2	96867893	96867893	+	3.799E-15	5.0069E-14	0.27628	hyper	sig	chr2_96867893
chr13	1.12E+08	111896106	+	3.802E-15	5.0104E-14	-0.24341	hypo	sig	chr13_111896106
chr1	2274041	2274041	+	3.803E-15	5.0118E-14	0.298321	hyper	sig	chr1_2274041
chr8	1.44E+08	144375571	+	3.804E-15	5.013E-14	0.209824	hyper	sig	chr8_144375571
chr1	19273608	19273608	+	3.808E-15	5.019E-14	-0.2664	hypo	sig	chr1_19273608
chr17	40938855	40938855	+	3.809E-15	5.019E-14	-0.2267	hypo	sig	chr17_40938855
chr15	74607043	74607043	+	3.811E-15	5.0215E-14	-0.26327	hypo	sig	chr15_74607043

chr1	47444217	47444217	+	3.811E-15	5.022E-14	0.318526	hyper	sig	chr1_47444217
chr8	1.43E+08	143248234	+	3.813E-15	5.0249E-14	-0.26608	hypo	sig	chr8_143248234
chr1	38064318	38064318	+	3.813E-15	5.0249E-14	-0.22896	hypo	sig	chr1_38064318
chr20	35174656	35174656	+	3.814E-15	5.0259E-14	-0.3639	hypo	sig	chr20_35174656
chr14	26205003	26205003	+	3.815E-15	5.0266E-14	0.25865	hyper	sig	chr14_26205003
chr8	1931988	1931988	+	3.815E-15	5.0275E-14	-0.25135	hypo	sig	chr8_1931988
chr10	1.01E+08	101140254	+	3.817E-15	5.0297E-14	0.267027	hyper	sig	chr10_101140254
chr14	36506203	36506203	+	3.818E-15	5.0311E-14	0.293113	hyper	sig	chr14_36506203
chr17	27381044	27381044	+	3.818E-15	5.0311E-14	-0.30485	hypo	sig	chr17_27381044
chr10	1.29E+08	129056131	+	3.82E-15	5.0325E-14	0.232229	hyper	sig	chr10_129056131
chr2	85797475	85797475	+	3.82E-15	5.0332E-14	-0.25339	hypo	sig	chr2_85797475
chr15	64776437	64776437	+	3.821E-15	5.0337E-14	0.28017	hyper	sig	chr15_64776437
chr20	21104336	21104336	+	3.821E-15	5.0339E-14	0.235677	hyper	sig	chr20_21104336
chr11	18792490	18792490	+	3.821E-15	5.0345E-14	0.227388	hyper	sig	chr11_18792490
chr11	20604747	20604747	+	3.822E-15	5.0349E-14	0.262893	hyper	sig	chr11_20604747
chr1	3063550	3063550	+	3.822E-15	5.0354E-14	0.276926	hyper	sig	chr1_3063550
chr10	3238327	3238327	+	3.823E-15	5.0365E-14	0.273852	hyper	sig	chr10_3238327
chr17	27800511	27800511	+	3.824E-15	5.0371E-14	-0.24622	hypo	sig	chr17_27800511
chr7	1.08E+08	107843406	+	3.824E-15	5.0381E-14	-0.258	hypo	sig	chr7_107843406
chr19	49038823	49038823	+	3.829E-15	5.0435E-14	-0.29954	hypo	sig	chr19_49038823
chr3	62377114	62377114	+	3.831E-15	5.0462E-14	0.274601	hyper	sig	chr3_62377114
chr10	1.04E+08	103661097	+	3.831E-15	5.0465E-14	0.274924	hyper	sig	chr10_103661097
chr7	99975682	99975682	+	3.833E-15	5.0487E-14	-0.30776	hypo	sig	chr7_99975682
chr8	1.44E+08	143734622	+	3.834E-15	5.0499E-14	-0.26893	hypo	sig	chr8_143734622
chr9	1.33E+08	133425828	+	3.835E-15	5.0512E-14	-0.26391	hypo	sig	chr9_133425828
chr2	45007308	45007308	+	3.837E-15	5.0531E-14	-0.26613	hypo	sig	chr2_45007308
chr7	1.3E+08	130380170	+	3.838E-15	5.0543E-14	0.202685	hyper	sig	chr7_130380170
chr12	9074724	9074724	+	3.838E-15	5.0545E-14	-0.2084	hypo	sig	chr12_9074724
chr19	38562761	38562761	+	3.842E-15	5.0595E-14	-0.32666	hypo	sig	chr19_38562761
chr5	1.41E+08	141409920	+	3.842E-15	5.0596E-14	0.304743	hyper	sig	chr5_141409920
chr2	95025445	95025445	+	3.842E-15	5.06E-14	0.21235	hyper	sig	chr2_95025445
chr9	41266814	41266814	+	3.848E-15	5.0678E-14	0.239497	hyper	sig	chr9_41266814
chr2	1.9E+08	190343051	+	3.849E-15	5.0686E-14	-0.24952	hypo	sig	chr2_190343051
chr15	23447422	23447422	+	3.85E-15	5.0698E-14	-0.30076	hypo	sig	chr15_23447422
chr9	1.36E+08	136356277	+	3.851E-15	5.0716E-14	-0.21501	hypo	sig	chr9_136356277
chr19	57099190	57099190	+	3.855E-15	5.076E-14	0.244446	hyper	sig	chr19_57099190
chr1	63329719	63329719	+	3.856E-15	5.0772E-14	0.232715	hyper	sig	chr1_63329719
chr20	38728125	38728125	+	3.857E-15	5.0782E-14	0.404207	hyper	sig	chr20_38728125
chr22	42338636	42338636	+	3.859E-15	5.0809E-14	-0.25064	hypo	sig	chr22_42338636
chr16	55190221	55190221	+	3.861E-15	5.0833E-14	0.283587	hyper	sig	chr16_55190221
chr2	2.42E+08	242012012	+	3.861E-15	5.0835E-14	-0.27305	hypo	sig	chr2_242012012
chr19	31149787	31149787	+	3.862E-15	5.085E-14	0.201698	hyper	sig	chr19_31149787
chr3	1.91E+08	190877995	+	3.864E-15	5.0871E-14	-0.20986	hypo	sig	chr3_190877995
chr4	1.87E+08	186659816	+	3.864E-15	5.0876E-14	-0.20741	hypo	sig	chr4_186659816
chr11	44316034	44316034	+	3.865E-15	5.0885E-14	0.292099	hyper	sig	chr11_44316034
chr8	56447351	56447351	+	3.865E-15	5.0885E-14	0.23672	hyper	sig	chr8_56447351
chr1	2.27E+08	226736556	+	3.866E-15	5.0894E-14	0.229935	hyper	sig	chr1_226736556
chr2	1.3E+08	130005934	+	3.87E-15	5.0944E-14	0.208779	hyper	sig	chr2_130005934
chr7	1.51E+08	151187827	+	3.87E-15	5.0949E-14	-0.25666	hypo	sig	chr7_151187827
chr3	63278442	63278442	+	3.872E-15	5.0978E-14	0.220045	hyper	sig	chr3_63278442
chr17	50781385	50781385	+	3.873E-15	5.0988E-14	0.253002	hyper	sig	chr17_50781385
chr7	71133331	71133331	+	3.875E-15	5.1008E-14	0.280404	hyper	sig	chr7_71133331
chr19	47275472	47275472	+	3.876E-15	5.1025E-14	0.21562	hyper	sig	chr19_47275472
chr17	48541947	48541947	+	3.876E-15	5.1027E-14	0.284771	hyper	sig	chr17_48541947
chr14	1.07E+08	106830841	+	3.876E-15	5.1027E-14	-0.29077	hypo	sig	chr14_106830841
chr19	23002779	23002779	+	3.878E-15	5.1051E-14	0.256444	hyper	sig	chr19_23002779

chr19	1908274	1908274	+	3.879E-15	5.1052E-14	-0.23997	hypo	sig	chr19_1908274
chr5	1.41E+08	141135627	+	3.879E-15	5.1062E-14	0.284314	hyper	sig	chr5_141135627
chr1	2449860	2449860	+	3.882E-15	5.11E-14	-0.30939	hypo	sig	chr1_2449860
chr1	2.44E+08	243924808	+	3.887E-15	5.1155E-14	-0.2814	hypo	sig	chr1_243924808
chr3	1.34E+08	133674809	+	3.887E-15	5.1155E-14	0.251396	hyper	sig	chr3_133674809
chr19	46831300	46831300	+	3.887E-15	5.1164E-14	-0.23358	hypo	sig	chr19_46831300
chr11	69892011	69892011	+	3.888E-15	5.1175E-14	-0.20809	hypo	sig	chr11_69892011
chr3	1.88E+08	187669784	+	3.897E-15	5.1288E-14	0.236697	hyper	sig	chr3_187669784
chr8	96159440	96159440	+	3.899E-15	5.1307E-14	0.238184	hyper	sig	chr8_96159440
chr7	50398749	50398749	+	3.901E-15	5.1339E-14	-0.24686	hypo	sig	chr7_50398749
chr15	74134520	74134520	+	3.904E-15	5.1373E-14	0.22044	hyper	sig	chr15_74134520
chr17	5097654	5097654	+	3.905E-15	5.1393E-14	0.301684	hyper	sig	chr17_5097654
chr19	40226209	40226209	+	3.913E-15	5.1487E-14	0.208701	hyper	sig	chr19_40226209
chr11	22341320	22341320	+	3.913E-15	5.1489E-14	0.27677	hyper	sig	chr11_22341320
chr16	51155890	51155890	+	3.914E-15	5.1509E-14	0.278101	hyper	sig	chr16_51155890
chr12	1.28E+08	128381620	+	3.915E-15	5.1514E-14	0.242469	hyper	sig	chr12_128381620
chr21	32079905	32079905	+	3.916E-15	5.1526E-14	-0.286	hypo	sig	chr21_32079905
chr10	55627952	55627952	+	3.919E-15	5.1563E-14	0.232215	hyper	sig	chr10_55627952
chr9	1.33E+08	132579876	+	3.922E-15	5.1609E-14	0.24497	hyper	sig	chr9_132579876
chr4	1.64E+08	164383388	+	3.926E-15	5.1661E-14	0.273547	hyper	sig	chr4_164383388
chr3	13041387	13041387	+	3.927E-15	5.1668E-14	-0.24216	hypo	sig	chr3_13041387
chr2	1.74E+08	174329077	+	3.927E-15	5.167E-14	0.307034	hyper	sig	chr2_174329077
chr5	1.41E+08	141364800	+	3.929E-15	5.1693E-14	0.290937	hyper	sig	chr5_141364800
chr13	1.13E+08	113098237	+	3.929E-15	5.1696E-14	0.237819	hyper	sig	chr13_113098237
chr13	1.13E+08	113105457	+	3.93E-15	5.1701E-14	-0.20462	hypo	sig	chr13_113105457
chr3	1.35E+08	134797498	+	3.931E-15	5.1711E-14	0.291393	hyper	sig	chr3_134797498
chr7	57400665	57400665	+	3.931E-15	5.1716E-14	-0.25175	hypo	sig	chr7_57400665
chr2	2.18E+08	217930052	+	3.931E-15	5.1718E-14	0.261899	hyper	sig	chr2_217930052
chr12	24903213	24903213	+	3.934E-15	5.175E-14	0.224244	hyper	sig	chr12_24903213
chr8	1780537	1780537	+	3.937E-15	5.1788E-14	-0.21996	hypo	sig	chr8_1780537
chr5	1.71E+08	171313924	+	3.938E-15	5.1798E-14	0.232709	hyper	sig	chr5_171313924
chr3	1.2E+08	119703444	+	3.939E-15	5.1811E-14	0.282571	hyper	sig	chr3_119703444
chr11	1343853	1343853	+	3.941E-15	5.1842E-14	-0.2668	hypo	sig	chr11_1343853
chr11	2141133	2141133	+	3.942E-15	5.1855E-14	0.2272	hyper	sig	chr11_2141133
chr10	1.24E+08	124008360	+	3.943E-15	5.1865E-14	0.217472	hyper	sig	chr10_124008360
chr13	27919254	27919254	+	3.947E-15	5.1922E-14	0.30401	hyper	sig	chr13_27919254
chr8	48870129	48870129	+	3.949E-15	5.1937E-14	0.269914	hyper	sig	chr8_48870129
chr10	1.18E+08	117734952	+	3.953E-15	5.1998E-14	0.230083	hyper	sig	chr10_117734952
chr1	1.83E+08	182602967	+	3.954E-15	5.2002E-14	-0.24856	hypo	sig	chr1_182602967
chr7	2512332	2512332	+	3.956E-15	5.2036E-14	-0.24284	hypo	sig	chr7_2512332
chr11	1.18E+08	117796174	+	3.96E-15	5.2083E-14	0.27608	hyper	sig	chr11_117796174
chr4	1056134	1056134	+	3.963E-15	5.2122E-14	-0.22436	hypo	sig	chr4_1056134
chr20	56626992	56626992	+	3.964E-15	5.2136E-14	0.309714	hyper	sig	chr20_56626992
chr11	72244608	72244608	+	3.964E-15	5.214E-14	0.347966	hyper	sig	chr11_72244608
chr2	98346487	98346487	+	3.966E-15	5.2155E-14	0.325957	hyper	sig	chr2_98346487
chr17	29565830	29565830	+	3.966E-15	5.2164E-14	-0.27935	hypo	sig	chr17_29565830
chr13	24931986	24931986	+	3.968E-15	5.2178E-14	0.238039	hyper	sig	chr13_24931986
chr14	36663186	36663186	+	3.968E-15	5.2185E-14	0.237892	hyper	sig	chr14_36663186
chr11	1.19E+08	119031558	+	3.969E-15	5.22E-14	-0.23487	hypo	sig	chr11_119031558
chr1	2.08E+08	207819210	+	3.973E-15	5.2249E-14	0.233407	hyper	sig	chr1_207819210
chr3	31981981	31981981	+	3.977E-15	5.2297E-14	-0.22156	hypo	sig	chr3_31981981
chr2	63056265	63056265	+	3.981E-15	5.2344E-14	0.301029	hyper	sig	chr2_63056265
chr14	47675841	47675841	+	3.982E-15	5.2359E-14	0.247857	hyper	sig	chr14_47675841
chr5	1.73E+08	173243851	+	3.982E-15	5.2364E-14	0.326101	hyper	sig	chr5_173243851
chr1	4734877	4734877	+	3.983E-15	5.2368E-14	-0.25865	hypo	sig	chr1_4734877
chr6	30685803	30685803	+	3.983E-15	5.2374E-14	0.296952	hyper	sig	chr6_30685803

chr18	8800278	8800278	+	3.984E-15	5.2386E-14	0.224907	hyper	sig	chr18_8800278
chr13	1.12E+08	112074047	+	3.987E-15	5.2415E-14	0.215965	hyper	sig	chr13_112074047
chr22	44620839	44620839	+	3.988E-15	5.2435E-14	-0.2766	hypo	sig	chr22_44620839
chr13	1.13E+08	112994377	+	3.99E-15	5.2463E-14	-0.33988	hypo	sig	chr13_112994377
chr7	1237033	1237033	+	3.994E-15	5.2505E-14	0.208037	hyper	sig	chr7_1237033
chr20	664588	664588	+	3.995E-15	5.2526E-14	0.242425	hyper	sig	chr20_664588
chr19	58440783	58440783	+	3.998E-15	5.2566E-14	0.24429	hyper	sig	chr19_58440783
chr16	3236148	3236148	+	3.999E-15	5.2573E-14	-0.26027	hypo	sig	chr16_3236148
chr17	78505388	78505388	+	4.002E-15	5.2611E-14	-0.22295	hypo	sig	chr17_78505388
chr3	1.95E+08	194688141	+	4.002E-15	5.2611E-14	0.261078	hyper	sig	chr3_194688141
chr6	1.08E+08	108170168	+	4.005E-15	5.2649E-14	0.310527	hyper	sig	chr6_108170168
chr4	4226462	4226462	+	4.006E-15	5.2662E-14	0.245524	hyper	sig	chr4_4226462
chr5	1.41E+08	140884514	+	4.007E-15	5.2668E-14	0.245618	hyper	sig	chr5_140884514
chr17	14299864	14299864	+	4.008E-15	5.2682E-14	0.206326	hyper	sig	chr17_14299864
chr20	63419149	63419149	+	4.008E-15	5.2682E-14	-0.27133	hypo	sig	chr20_63419149
chr16	67964067	67964067	+	4.01E-15	5.2705E-14	0.227266	hyper	sig	chr16_67964067
chr15	64776448	64776448	+	4.01E-15	5.271E-14	0.280242	hyper	sig	chr15_64776448
chr6	27268045	27268045	+	4.012E-15	5.2735E-14	0.223449	hyper	sig	chr6_27268045
chr19	46413779	46413779	+	4.016E-15	5.2781E-14	0.279747	hyper	sig	chr19_46413779
chr16	86078399	86078399	+	4.016E-15	5.2781E-14	0.225894	hyper	sig	chr16_86078399
chr15	43329723	43329723	+	4.017E-15	5.2798E-14	0.257408	hyper	sig	chr15_43329723
chr7	20793435	20793435	+	4.018E-15	5.28E-14	0.287798	hyper	sig	chr7_20793435
chr6	26017369	26017369	+	4.019E-15	5.2817E-14	0.229765	hyper	sig	chr6_26017369
chr5	1.14E+08	114056093	+	4.022E-15	5.2856E-14	0.209232	hyper	sig	chr5_114056093
chr16	87603079	87603079	+	4.024E-15	5.2886E-14	0.234088	hyper	sig	chr16_87603079
chr4	1.84E+08	184001380	+	4.029E-15	5.2949E-14	-0.22046	hypo	sig	chr4_184001380
chr2	1.55E+08	154698981	+	4.033E-15	5.2999E-14	0.226357	hyper	sig	chr2_154698981
chr2	660848	660848	+	4.034E-15	5.3008E-14	0.272318	hyper	sig	chr2_660848
chr9	1.37E+08	136821284	+	4.036E-15	5.3028E-14	0.241375	hyper	sig	chr9_136821284
chr22	50000091	50000091	+	4.038E-15	5.3057E-14	0.256663	hyper	sig	chr22_50000091
chr11	66714091	66714091	+	4.04E-15	5.3077E-14	0.236651	hyper	sig	chr11_66714091
chr7	1.58E+08	158165551	+	4.04E-15	5.3077E-14	-0.24069	hypo	sig	chr7_158165551
chr2	1.82E+08	181682952	+	4.047E-15	5.3168E-14	0.376255	hyper	sig	chr2_181682952
chr17	82066298	82066298	+	4.05E-15	5.3203E-14	-0.23589	hypo	sig	chr17_82066298
chr6	1.06E+08	105981267	+	4.05E-15	5.3203E-14	0.227146	hyper	sig	chr6_105981267
chr16	534021	534021	+	4.051E-15	5.3216E-14	-0.24889	hypo	sig	chr16_534021
chr7	2937374	2937374	+	4.052E-15	5.323E-14	-0.22174	hypo	sig	chr7_2937374
chr4	386760	386760	+	4.053E-15	5.3244E-14	0.264831	hyper	sig	chr4_386760
chr5	1.41E+08	141326550	+	4.053E-15	5.3244E-14	0.236628	hyper	sig	chr5_141326550
chr18	57440004	57440004	+	4.054E-15	5.3251E-14	0.226444	hyper	sig	chr18_57440004
chr2	1.72E+08	172090744	+	4.055E-15	5.3266E-14	0.278406	hyper	sig	chr2_172090744
chr6	1.17E+08	116565053	+	4.057E-15	5.3289E-14	0.302004	hyper	sig	chr6_116565053
chr1	1.62E+08	161983872	+	4.058E-15	5.33E-14	-0.20529	hypo	sig	chr1_161983872
chr12	1.23E+08	123097730	+	4.058E-15	5.3305E-14	0.22032	hyper	sig	chr12_123097730
chr13	23705475	23705475	+	4.059E-15	5.3316E-14	-0.29723	hypo	sig	chr13_23705475
chr15	93435017	93435017	+	4.062E-15	5.3349E-14	-0.24004	hypo	sig	chr15_93435017
chr22	35550705	35550705	+	4.062E-15	5.3351E-14	-0.21528	hypo	sig	chr22_35550705
chr17	9226774	9226774	+	4.062E-15	5.3355E-14	-0.22951	hypo	sig	chr17_9226774
chr5	73420291	73420291	+	4.063E-15	5.337E-14	0.204204	hyper	sig	chr5_73420291
chr7	1.55E+08	155373891	+	4.064E-15	5.3377E-14	0.200332	hyper	sig	chr7_155373891
chr4	80387313	80387313	+	4.064E-15	5.3378E-14	-0.26377	hypo	sig	chr4_80387313
chr17	49035699	49035699	+	4.065E-15	5.339E-14	-0.27962	hypo	sig	chr17_49035699
chr5	1.41E+08	141431365	+	4.066E-15	5.34E-14	0.262655	hyper	sig	chr5_141431365
chr4	1.33E+08	133148351	+	4.066E-15	5.3403E-14	0.255721	hyper	sig	chr4_133148351
chr6	1.05E+08	104940386	+	4.068E-15	5.3423E-14	0.28355	hyper	sig	chr6_104940386
chr6	1.06E+08	105981619	+	4.068E-15	5.343E-14	0.247167	hyper	sig	chr6_105981619

chr11	24496540	24496540	+	4.073E-15	5.349E-14	0.211181	hyper	sig	chr11_24496540
chr7	2019796	2019796	+	4.076E-15	5.3524E-14	-0.28027	hypo	sig	chr7_2019796
chr17	82051003	82051003	+	4.077E-15	5.3537E-14	0.227641	hyper	sig	chr17_82051003
chr5	1.77E+08	176843944	+	4.077E-15	5.3542E-14	0.263272	hyper	sig	chr5_176843944
chr4	1.39E+08	139279622	+	4.079E-15	5.3557E-14	0.23611	hyper	sig	chr4_139279622
chr1	1.61E+08	161428093	+	4.085E-15	5.3645E-14	0.235636	hyper	sig	chr1_161428093
chr12	56021521	56021521	+	4.092E-15	5.3731E-14	0.325347	hyper	sig	chr12_56021521
chr6	1.67E+08	166640863	+	4.092E-15	5.3731E-14	-0.26547	hypo	sig	chr6_166640863
chr16	684817	684817	+	4.094E-15	5.3751E-14	-0.23911	hypo	sig	chr16_684817
chr2	2.39E+08	239021789	+	4.095E-15	5.3763E-14	-0.28389	hypo	sig	chr2_239021789
chr8	43270901	43270901	+	4.096E-15	5.3784E-14	-0.22716	hypo	sig	chr8_43270901
chr16	70646288	70646288	+	4.097E-15	5.3793E-14	-0.27715	hypo	sig	chr16_70646288
chr22	29719161	29719161	+	4.097E-15	5.3796E-14	-0.29167	hypo	sig	chr22_29719161
chr5	32711435	32711435	+	4.1E-15	5.3834E-14	0.202339	hyper	sig	chr5_32711435
chr19	3179786	3179786	+	4.101E-15	5.3842E-14	-0.2347	hypo	sig	chr19_3179786
chr7	99551551	99551551	+	4.101E-15	5.3844E-14	0.202148	hyper	sig	chr7_99551551
chr3	46576887	46576887	+	4.104E-15	5.3877E-14	0.297647	hyper	sig	chr3_46576887
chr5	1.77E+08	177402376	+	4.11E-15	5.3951E-14	0.22427	hyper	sig	chr5_177402376
chr22	50547362	50547362	+	4.117E-15	5.4044E-14	0.27066	hyper	sig	chr22_50547362
chr4	1099975	1099975	+	4.12E-15	5.4081E-14	-0.20482	hypo	sig	chr4_1099975
chr17	81027208	81027208	+	4.122E-15	5.4107E-14	0.206348	hyper	sig	chr17_81027208
chr10	1.19E+08	118595106	+	4.13E-15	5.4218E-14	0.286547	hyper	sig	chr10_118595106
chr2	2.37E+08	236507716	+	4.136E-15	5.4284E-14	0.288297	hyper	sig	chr2_236507716
chr6	1.68E+08	168411931	+	4.138E-15	5.4322E-14	-0.21623	hypo	sig	chr6_168411931
chr7	4111126	4111126	+	4.14E-15	5.434E-14	-0.30904	hypo	sig	chr7_4111126
chr15	66039702	66039702	+	4.14E-15	5.4345E-14	0.339318	hyper	sig	chr15_66039702
chr2	38073762	38073762	+	4.141E-15	5.4356E-14	0.319491	hyper	sig	chr2_38073762
chr2	64607080	64607080	+	4.142E-15	5.4362E-14	-0.22288	hypo	sig	chr2_64607080
chr1	1.53E+08	153390451	+	4.143E-15	5.4373E-14	-0.26598	hypo	sig	chr1_153390451
chr7	1.56E+08	156122749	+	4.143E-15	5.4378E-14	-0.20087	hypo	sig	chr7_156122749
chr18	32140035	32140035	+	4.144E-15	5.4384E-14	-0.21202	hypo	sig	chr18_32140035
chr12	1.19E+08	118981311	+	4.144E-15	5.4386E-14	0.286823	hyper	sig	chr12_118981311
chr4	993320	993320	+	4.145E-15	5.4398E-14	-0.26105	hypo	sig	chr4_993320
chr1	53508070	53508070	+	4.145E-15	5.4404E-14	-0.21285	hypo	sig	chr1_53508070
chr2	2.38E+08	238128870	+	4.146E-15	5.4405E-14	-0.26827	hypo	sig	chr2_238128870
chr2	1.71E+08	170821758	+	4.148E-15	5.4433E-14	0.336572	hyper	sig	chr2_170821758
chr2	1.82E+08	181681846	+	4.15E-15	5.446E-14	0.321137	hyper	sig	chr2_181681846
chr16	28880584	28880584	+	4.153E-15	5.4497E-14	0.299959	hyper	sig	chr16_28880584
chr14	1.03E+08	103102761	+	4.153E-15	5.4501E-14	0.285682	hyper	sig	chr14_103102761
chr6	31728850	31728850	+	4.153E-15	5.4503E-14	0.301613	hyper	sig	chr6_31728850
chr8	71557828	71557828	+	4.156E-15	5.4534E-14	0.388108	hyper	sig	chr8_71557828
chr2	71224143	71224143	+	4.156E-15	5.454E-14	0.260629	hyper	sig	chr2_71224143
chr2	2.32E+08	232381693	+	4.157E-15	5.4547E-14	0.22315	hyper	sig	chr2_232381693
chr10	1.19E+08	119412926	+	4.158E-15	5.4554E-14	0.219334	hyper	sig	chr10_119412926
chr16	88110358	88110358	+	4.16E-15	5.4577E-14	0.254855	hyper	sig	chr16_88110358
chr7	983430	983430	+	4.161E-15	5.4592E-14	0.224917	hyper	sig	chr7_983430
chr8	1.28E+08	128109217	+	4.162E-15	5.4602E-14	0.389824	hyper	sig	chr8_128109217
chr15	52794447	52794447	+	4.162E-15	5.4603E-14	0.226918	hyper	sig	chr15_52794447
chr2	1.56E+08	156322830	+	4.162E-15	5.4604E-14	0.200313	hyper	sig	chr2_156322830
chr3	23819821	23819821	+	4.163E-15	5.4615E-14	0.220262	hyper	sig	chr3_23819821
chr2	1.19E+08	118858374	+	4.164E-15	5.4631E-14	0.262598	hyper	sig	chr2_118858374
chr11	70662048	70662048	+	4.165E-15	5.4637E-14	0.289609	hyper	sig	chr11_70662048
chr7	97024551	97024551	+	4.166E-15	5.465E-14	0.280989	hyper	sig	chr7_97024551
chr16	2082569	2082569	+	4.168E-15	5.4677E-14	0.201479	hyper	sig	chr16_2082569
chr16	1137867	1137867	+	4.168E-15	5.4681E-14	-0.22472	hypo	sig	chr16_1137867
chr19	55118585	55118585	+	4.168E-15	5.4681E-14	0.265715	hyper	sig	chr19_55118585

chr19	49182763	49182763	+	4.17E-15	5.4704E-14	0.247474	hyper	sig	chr19_49182763
chr3	62371519	62371519	+	4.173E-15	5.474E-14	0.286726	hyper	sig	chr3_62371519
chr14	85532259	85532259	+	4.176E-15	5.4778E-14	0.203045	hyper	sig	chr14_85532259
chr17	304708	304708	+	4.176E-15	5.4778E-14	0.24822	hyper	sig	chr17_304708
chr2	7429747	7429747	+	4.184E-15	5.488E-14	-0.27649	hypo	sig	chr2_7429747
chr6	3234063	3234063	+	4.184E-15	5.4886E-14	-0.21352	hypo	sig	chr6_3234063
chr14	20625876	20625876	+	4.185E-15	5.4898E-14	0.236567	hyper	sig	chr14_20625876
chr14	94773806	94773806	+	4.186E-15	5.4909E-14	0.336395	hyper	sig	chr14_94773806
chr1	6470696	6470696	+	4.187E-15	5.4918E-14	0.241623	hyper	sig	chr1_6470696
chr2	36354969	36354969	+	4.193E-15	5.4992E-14	0.217772	hyper	sig	chr2_36354969
chr10	1.33E+08	132746816	+	4.193E-15	5.4999E-14	0.236626	hyper	sig	chr10_132746816
chr14	38210427	38210427	+	4.195E-15	5.5013E-14	0.282511	hyper	sig	chr14_38210427
chr10	1.28E+08	127736930	+	4.195E-15	5.5018E-14	0.360251	hyper	sig	chr10_127736930
chr8	1.43E+08	142563321	+	4.2E-15	5.5076E-14	-0.20325	hypo	sig	chr8_142563321
chr11	1344277	1344277	+	4.203E-15	5.5113E-14	-0.24611	hypo	sig	chr11_1344277
chr3	1.41E+08	141052506	+	4.204E-15	5.5126E-14	0.302122	hyper	sig	chr3_141052506
chr21	42838178	42838178	+	4.204E-15	5.5132E-14	0.239587	hyper	sig	chr21_42838178
chr3	1.38E+08	137770802	+	4.205E-15	5.5149E-14	0.267417	hyper	sig	chr3_137770802
chr7	32071376	32071376	+	4.21E-15	5.5204E-14	0.278312	hyper	sig	chr7_32071376
chr21	42838153	42838153	+	4.213E-15	5.5247E-14	0.227123	hyper	sig	chr21_42838153
chr2	2.39E+08	239247389	+	4.214E-15	5.5263E-14	-0.24707	hypo	sig	chr2_239247389
chr4	1405375	1405375	+	4.215E-15	5.5271E-14	0.274944	hyper	sig	chr4_1405375
chr2	2.38E+08	237627306	+	4.217E-15	5.5295E-14	0.212812	hyper	sig	chr2_237627306
chr3	1.82E+08	181727082	+	4.218E-15	5.5305E-14	0.208846	hyper	sig	chr3_181727082
chr20	63127109	63127109	+	4.22E-15	5.5326E-14	-0.23374	hypo	sig	chr20_63127109
chr7	25857892	25857892	+	4.22E-15	5.5326E-14	-0.2121	hypo	sig	chr7_25857892
chr10	1.33E+08	132627574	+	4.22E-15	5.5333E-14	0.262892	hyper	sig	chr10_132627574
chr16	84836559	84836559	+	4.221E-15	5.5341E-14	0.247905	hyper	sig	chr16_84836559
chr2	2.22E+08	222295738	+	4.223E-15	5.5365E-14	0.222079	hyper	sig	chr2_222295738
chr20	24470130	24470130	+	4.223E-15	5.537E-14	0.319808	hyper	sig	chr20_24470130
chr7	1.51E+08	151014077	+	4.223E-15	5.537E-14	0.271525	hyper	sig	chr7_151014077
chr20	6215244	6215244	+	4.225E-15	5.5394E-14	-0.34835	hypo	sig	chr20_6215244
chr19	57099461	57099461	+	4.225E-15	5.5395E-14	0.309466	hyper	sig	chr19_57099461
chr6	32758915	32758915	+	4.23E-15	5.5455E-14	-0.23092	hypo	sig	chr6_32758915
chr20	46021772	46021772	+	4.23E-15	5.5457E-14	0.272282	hyper	sig	chr20_46021772
chr5	1.52E+08	151532778	+	4.231E-15	5.5459E-14	-0.27731	hypo	sig	chr5_151532778
chr19	55452506	55452506	+	4.232E-15	5.5476E-14	0.319788	hyper	sig	chr19_55452506
chr1	37317128	37317128	+	4.233E-15	5.5493E-14	-0.29438	hypo	sig	chr1_37317128
chr5	1.46E+08	146341265	+	4.234E-15	5.5495E-14	0.242641	hyper	sig	chr5_146341265
chr14	92688014	92688014	+	4.234E-15	5.5499E-14	0.288655	hyper	sig	chr14_92688014
chr17	74851909	74851909	+	4.238E-15	5.555E-14	-0.23529	hypo	sig	chr17_74851909
chr7	2763368	2763368	+	4.24E-15	5.5575E-14	0.240395	hyper	sig	chr7_2763368
chr14	60486203	60486203	+	4.24E-15	5.5576E-14	0.292231	hyper	sig	chr14_60486203
chr6	49713517	49713517	+	4.241E-15	5.5593E-14	0.228545	hyper	sig	chr6_49713517
chr4	7250560	7250560	+	4.244E-15	5.5623E-14	0.295137	hyper	sig	chr4_7250560
chr1	1.56E+08	156153545	+	4.245E-15	5.5644E-14	-0.21723	hypo	sig	chr1_156153545
chr12	1.3E+08	130106782	+	4.247E-15	5.5664E-14	-0.26018	hypo	sig	chr12_130106782
chr2	2.4E+08	239504603	+	4.247E-15	5.5664E-14	-0.24297	hypo	sig	chr2_239504603
chr7	1.53E+08	152924937	+	4.248E-15	5.5669E-14	0.328597	hyper	sig	chr7_152924937
chr14	59480955	59480955	+	4.249E-15	5.5681E-14	-0.21716	hypo	sig	chr14_59480955
chr8	23705718	23705718	+	4.249E-15	5.569E-14	0.298267	hyper	sig	chr8_23705718
chr9	1.34E+08	134387349	+	4.25E-15	5.5694E-14	0.226652	hyper	sig	chr9_134387349
chr10	26217826	26217826	+	4.254E-15	5.5746E-14	0.2891	hyper	sig	chr10_26217826
chr6	1.66E+08	165847438	+	4.255E-15	5.5759E-14	-0.27925	hypo	sig	chr6_165847438
chr6	29943557	29943557	+	4.258E-15	5.5791E-14	-0.21798	hypo	sig	chr6_29943557
chr3	1.33E+08	133038405	+	4.258E-15	5.5794E-14	0.259126	hyper	sig	chr3_133038405

chr10	1.16E+08	116274336	+	4.26E-15	5.5827E-14	0.22191	hyper	sig	chr10_116274336
chr19	41328057	41328057	+	4.262E-15	5.5849E-14	-0.28413	hypo	sig	chr19_41328057
chr8	67952324	67952324	+	4.266E-15	5.5903E-14	0.320238	hyper	sig	chr8_67952324
chr20	51023487	51023487	+	4.267E-15	5.5909E-14	0.306916	hyper	sig	chr20_51023487
chr4	73870207	73870207	+	4.268E-15	5.5919E-14	-0.2303	hypo	sig	chr4_73870207
chr7	1.54E+08	154052819	+	4.268E-15	5.5919E-14	0.291359	hyper	sig	chr7_154052819
chr11	68371066	68371066	+	4.269E-15	5.593E-14	0.245186	hyper	sig	chr11_68371066
chr5	1.41E+08	141156556	+	4.271E-15	5.5956E-14	0.28266	hyper	sig	chr5_141156556
chr3	1.85E+08	184602965	+	4.273E-15	5.5978E-14	-0.24351	hypo	sig	chr3_184602965
chr19	39507692	39507692	+	4.274E-15	5.5992E-14	0.200926	hyper	sig	chr19_39507692
chr10	50024861	50024861	+	4.276E-15	5.6017E-14	0.247608	hyper	sig	chr10_50024861
chr9	977827	977827	+	4.279E-15	5.6057E-14	0.248452	hyper	sig	chr9_977827
chr11	17722078	17722078	+	4.28E-15	5.6063E-14	0.240942	hyper	sig	chr11_17722078
chr13	93228671	93228671	+	4.281E-15	5.6085E-14	0.202544	hyper	sig	chr13_93228671
chr10	1.01E+08	100659652	+	4.284E-15	5.6113E-14	0.215888	hyper	sig	chr10_100659652
chr11	65607393	65607393	+	4.284E-15	5.6115E-14	0.203673	hyper	sig	chr11_65607393
chr1	2418106	2418106	+	4.287E-15	5.6161E-14	0.234555	hyper	sig	chr1_2418106
chr11	67983692	67983692	+	4.288E-15	5.6163E-14	-0.20754	hypo	sig	chr11_67983692
chr15	99426620	99426620	+	4.292E-15	5.6226E-14	-0.2937	hypo	sig	chr15_99426620
chr6	1.61E+08	160765869	+	4.293E-15	5.623E-14	-0.22641	hypo	sig	chr6_160765869
chr2	1.76E+08	176189463	+	4.3E-15	5.6319E-14	0.269612	hyper	sig	chr2_176189463
chr12	1.33E+08	132595834	+	4.3E-15	5.6322E-14	-0.28957	hypo	sig	chr12_132595834
chr19	4902887	4902887	+	4.3E-15	5.6323E-14	-0.29603	hypo	sig	chr19_4902887
chr11	69818302	69818302	+	4.3E-15	5.6323E-14	0.241404	hyper	sig	chr11_69818302
chr5	1.41E+08	141215719	+	4.303E-15	5.6362E-14	0.327429	hyper	sig	chr5_141215719
chr9	1.36E+08	135560804	+	4.304E-15	5.637E-14	-0.3484	hypo	sig	chr9_135560804
chr5	1243765	1243765	+	4.307E-15	5.6401E-14	0.21147	hyper	sig	chr5_1243765
chr5	51390424	51390424	+	4.307E-15	5.6403E-14	0.266506	hyper	sig	chr5_51390424
chr11	1.16E+08	115758307	+	4.307E-15	5.6405E-14	-0.28588	hypo	sig	chr11_115758307
chr9	1.34E+08	133904470	+	4.308E-15	5.6414E-14	0.275635	hyper	sig	chr9_133904470
chr16	34164032	34164032	+	4.31E-15	5.6448E-14	0.246909	hyper	sig	chr16_34164032
chr8	1.41E+08	141207673	+	4.314E-15	5.6493E-14	-0.21366	hypo	sig	chr8_141207673
chr19	5036866	5036866	+	4.314E-15	5.6499E-14	0.25143	hyper	sig	chr19_5036866
chr20	50732521	50732521	+	4.316E-15	5.6513E-14	-0.22421	hypo	sig	chr20_50732521
chr13	50133301	50133301	+	4.318E-15	5.6547E-14	0.244394	hyper	sig	chr13_50133301
chr10	1.32E+08	132301826	+	4.319E-15	5.6555E-14	-0.28616	hypo	sig	chr10_132301826
chr8	1.4E+08	139703523	+	4.323E-15	5.6611E-14	0.302072	hyper	sig	chr8_139703523
chr2	66445725	66445725	+	4.324E-15	5.6621E-14	0.245318	hyper	sig	chr2_66445725
chr8	68331834	68331834	+	4.33E-15	5.6692E-14	0.25496	hyper	sig	chr8_68331834
chr19	38265194	38265194	+	4.331E-15	5.6709E-14	-0.27311	hypo	sig	chr19_38265194
chr4	1.69E+08	168833383	+	4.331E-15	5.6709E-14	0.215584	hyper	sig	chr4_168833383
chr13	82165183	82165183	+	4.332E-15	5.6715E-14	-0.27726	hypo	sig	chr13_82165183
chr5	33936544	33936544	+	4.342E-15	5.685E-14	0.248887	hyper	sig	chr5_33936544
chr12	1.24E+08	124454934	+	4.345E-15	5.6887E-14	0.26592	hyper	sig	chr12_124454934
chr9	62800250	62800250	+	4.345E-15	5.6893E-14	0.273898	hyper	sig	chr9_62800250
chr2	1.13E+08	113291325	+	4.347E-15	5.6915E-14	0.290834	hyper	sig	chr2_113291325
chr16	991053	991053	+	4.348E-15	5.6923E-14	-0.27216	hypo	sig	chr16_991053
chr10	45427896	45427896	+	4.349E-15	5.6934E-14	0.339211	hyper	sig	chr10_45427896
chr11	68994891	68994891	+	4.351E-15	5.6965E-14	-0.2227	hypo	sig	chr11_68994891
chr12	43571964	43571964	+	4.352E-15	5.6978E-14	0.241305	hyper	sig	chr12_43571964
chr9	1.37E+08	137159604	+	4.353E-15	5.6978E-14	-0.20869	hypo	sig	chr9_137159604
chr17	81365622	81365622	+	4.354E-15	5.7002E-14	-0.26053	hypo	sig	chr17_81365622
chr11	1926485	1926485	+	4.357E-15	5.7031E-14	-0.25985	hypo	sig	chr11_1926485
chr10	1489371	1489371	+	4.36E-15	5.7069E-14	-0.2659	hypo	sig	chr10_1489371
chr15	96346185	96346185	+	4.361E-15	5.7089E-14	0.225686	hyper	sig	chr15_96346185
chr10	1.25E+08	125023986	+	4.365E-15	5.7131E-14	0.328365	hyper	sig	chr10_125023986

chr22	45201138	45201138	+	4.367E-15	5.7156E-14	0.208965	hyper	sig	chr22_45201138
chr16	1088697	1088697	+	4.37E-15	5.7204E-14	-0.32115	hypo	sig	chr16_1088697
chr9	1.24E+08	124291859	+	4.371E-15	5.7213E-14	0.329688	hyper	sig	chr9_124291859
chr10	31508840	31508840	+	4.372E-15	5.7217E-14	-0.21803	hypo	sig	chr10_31508840
chr1	1.83E+08	183417172	+	4.372E-15	5.7219E-14	0.335366	hyper	sig	chr1_183417172
chr13	27791683	27791683	+	4.374E-15	5.7245E-14	0.236653	hyper	sig	chr13_27791683
chr1	2.06E+08	205679238	+	4.376E-15	5.7278E-14	-0.27252	hypo	sig	chr1_205679238
chr20	37519701	37519701	+	4.376E-15	5.7278E-14	0.248656	hyper	sig	chr20_37519701
chr11	31987313	31987313	+	4.378E-15	5.7295E-14	0.31775	hyper	sig	chr11_31987313
chr13	1.14E+08	113533784	+	4.378E-15	5.7295E-14	0.238769	hyper	sig	chr13_113533784
chr17	82247800	82247800	+	4.381E-15	5.7334E-14	0.239248	hyper	sig	chr17_82247800
chr17	49852230	49852230	+	4.384E-15	5.7377E-14	-0.22172	hypo	sig	chr17_49852230
chr5	1.79E+08	179060682	+	4.388E-15	5.7421E-14	0.254994	hyper	sig	chr5_179060682
chr16	89154104	89154104	+	4.389E-15	5.7434E-14	-0.25663	hypo	sig	chr16_89154104
chr5	3606940	3606940	+	4.389E-15	5.7435E-14	0.237729	hyper	sig	chr5_3606940
chr11	67435354	67435354	+	4.392E-15	5.7471E-14	-0.30549	hypo	sig	chr11_67435354
chr3	72655423	72655423	+	4.392E-15	5.7471E-14	0.245066	hyper	sig	chr3_72655423
chr3	1.47E+08	147388289	+	4.393E-15	5.7487E-14	0.214218	hyper	sig	chr3_147388289
chr9	1.09E+08	108855895	+	4.396E-15	5.7526E-14	-0.29801	hypo	sig	chr9_108855895
chr17	77320339	77320339	+	4.397E-15	5.7538E-14	0.286203	hyper	sig	chr17_77320339
chr4	1.55E+08	155376850	+	4.403E-15	5.7607E-14	0.219764	hyper	sig	chr4_155376850
chr11	628613	628613	+	4.404E-15	5.7615E-14	-0.25063	hypo	sig	chr11_628613
chr2	85587817	85587817	+	4.405E-15	5.7628E-14	-0.24891	hypo	sig	chr2_85587817
chr2	40451574	40451574	+	4.408E-15	5.7671E-14	0.287871	hyper	sig	chr2_40451574
chr10	1.18E+08	117546776	+	4.409E-15	5.7677E-14	0.206719	hyper	sig	chr10_117546776
chr7	1.43E+08	142796632	+	4.412E-15	5.7716E-14	0.342285	hyper	sig	chr7_142796632
chr14	54672968	54672968	+	4.412E-15	5.7721E-14	0.231353	hyper	sig	chr14_54672968
chr17	44657180	44657180	+	4.413E-15	5.7729E-14	0.266756	hyper	sig	chr17_44657180
chr4	1.75E+08	174829261	+	4.413E-15	5.7734E-14	0.230962	hyper	sig	chr4_174829261
chr7	27122194	27122194	+	4.414E-15	5.7742E-14	-0.24591	hypo	sig	chr7_27122194
chr8	78762350	78762350	+	4.416E-15	5.776E-14	0.241973	hyper	sig	chr8_78762350
chr5	1.41E+08	141234578	+	4.418E-15	5.7787E-14	0.307366	hyper	sig	chr5_141234578
chr6	32212864	32212864	+	4.419E-15	5.7805E-14	-0.22338	hypo	sig	chr6_32212864
chr19	57947493	57947493	+	4.435E-15	5.8012E-14	0.211172	hyper	sig	chr19_57947493
chr13	99959160	99959160	+	4.44E-15	5.8066E-14	0.202829	hyper	sig	chr13_99959160
chr5	1.41E+08	141339687	+	4.442E-15	5.8089E-14	0.229238	hyper	sig	chr5_141339687
chr5	1.27E+08	126869373	+	4.442E-15	5.8094E-14	0.28401	hyper	sig	chr5_126869373
chr16	85574918	85574918	+	4.442E-15	5.8099E-14	0.217241	hyper	sig	chr16_85574918
chr2	1572489	1572489	+	4.448E-15	5.8169E-14	-0.21585	hypo	sig	chr2_1572489
chr17	75825416	75825416	+	4.453E-15	5.8228E-14	0.276541	hyper	sig	chr17_75825416
chr8	41195766	41195766	+	4.454E-15	5.8247E-14	-0.23768	hypo	sig	chr8_41195766
chr5	1.11E+08	111224738	+	4.457E-15	5.828E-14	0.203528	hyper	sig	chr5_111224738
chr1	2.14E+08	213980101	+	4.458E-15	5.8293E-14	0.266779	hyper	sig	chr1_213980101
chr5	10655406	10655406	+	4.458E-15	5.8296E-14	-0.29056	hypo	sig	chr5_10655406
chr17	48603928	48603928	+	4.459E-15	5.8311E-14	-0.2104	hypo	sig	chr17_48603928
chr8	86069372	86069372	+	4.459E-15	5.8311E-14	-0.2342	hypo	sig	chr8_86069372
chr15	82647472	82647472	+	4.464E-15	5.837E-14	0.226512	hyper	sig	chr15_82647472
chr19	50290940	50290940	+	4.464E-15	5.837E-14	0.297919	hyper	sig	chr19_50290940
chr14	1.01E+08	101047352	+	4.464E-15	5.837E-14	-0.22375	hypo	sig	chr14_101047352
chr22	26757078	26757078	+	4.465E-15	5.8381E-14	0.27372	hyper	sig	chr22_26757078
chr1	1040218	1040218	+	4.473E-15	5.8486E-14	0.233834	hyper	sig	chr1_1040218
chr5	1973979	1973979	+	4.475E-15	5.8508E-14	-0.25776	hypo	sig	chr5_1973979
chr4	1.5E+08	150257069	+	4.475E-15	5.8513E-14	-0.22276	hypo	sig	chr4_150257069
chr16	86578921	86578921	+	4.476E-15	5.8525E-14	0.265655	hyper	sig	chr16_86578921
chr1	92481109	92481109	+	4.482E-15	5.8592E-14	0.23088	hyper	sig	chr1_92481109
chr7	1.58E+08	158239660	+	4.484E-15	5.8621E-14	-0.2614	hypo	sig	chr7_158239660

chr19	1401768	1401768	+	4.485E-15	5.8634E-14	0.226362	hyper	sig	chr19_1401768
chr6	50820246	50820246	+	4.486E-15	5.8641E-14	0.27471	hyper	sig	chr6_50820246
chr16	85147361	85147361	+	4.487E-15	5.8661E-14	-0.22685	hypo	sig	chr16_85147361
chr17	38925677	38925677	+	4.489E-15	5.8686E-14	0.362033	hyper	sig	chr17_38925677
chr15	52794629	52794629	+	4.49E-15	5.8689E-14	0.257644	hyper	sig	chr15_52794629
chr19	38256754	38256754	+	4.492E-15	5.8725E-14	0.218673	hyper	sig	chr19_38256754
chr5	88672037	88672037	+	4.493E-15	5.8729E-14	0.222144	hyper	sig	chr5_88672037
chr6	1.64E+08	164336665	+	4.494E-15	5.874E-14	-0.25634	hypo	sig	chr6_164336665
chr1	1.77E+08	177171476	+	4.496E-15	5.8768E-14	0.279069	hyper	sig	chr1_177171476
chr6	1E+08	100449493	+	4.504E-15	5.8876E-14	0.285464	hyper	sig	chr6_100449493
chr7	4822718	4822718	+	4.504E-15	5.8878E-14	-0.29002	hypo	sig	chr7_4822718
chr11	1.3E+08	129947817	+	4.505E-15	5.889E-14	0.240325	hyper	sig	chr11_129947817
chr19	345261	345261	+	4.507E-15	5.8908E-14	0.309132	hyper	sig	chr19_345261
chr16	69917947	69917947	+	4.507E-15	5.8914E-14	0.228801	hyper	sig	chr16_69917947
chr2	74415369	74415369	+	4.511E-15	5.8956E-14	0.251226	hyper	sig	chr2_74415369
chr6	1391071	1391071	+	4.515E-15	5.9008E-14	0.208903	hyper	sig	chr6_1391071
chr17	52160208	52160208	+	4.519E-15	5.9058E-14	0.27174	hyper	sig	chr17_52160208
chr6	1594395	1594395	+	4.519E-15	5.9058E-14	-0.26705	hypo	sig	chr6_1594395
chr8	26044797	26044797	+	4.519E-15	5.9064E-14	0.206587	hyper	sig	chr8_26044797
chr3	1.84E+08	184379663	+	4.52E-15	5.9074E-14	0.281152	hyper	sig	chr3_184379663
chr3	63278518	63278518	+	4.521E-15	5.9083E-14	0.288281	hyper	sig	chr3_63278518
chr6	89433912	89433912	+	4.522E-15	5.9096E-14	0.206741	hyper	sig	chr6_89433912
chr5	73311730	73311730	+	4.522E-15	5.9099E-14	0.283014	hyper	sig	chr5_73311730
chr11	1.12E+08	111531969	+	4.523E-15	5.9108E-14	-0.3189	hypo	sig	chr11_111531969
chr16	57801555	57801555	+	4.524E-15	5.9119E-14	0.218529	hyper	sig	chr16_57801555
chr12	75208044	75208044	+	4.528E-15	5.9164E-14	0.288886	hyper	sig	chr12_75208044
chr9	1.36E+08	136356357	+	4.529E-15	5.9175E-14	-0.28972	hypo	sig	chr9_136356357
chr10	1.25E+08	125138313	+	4.531E-15	5.9203E-14	-0.24448	hypo	sig	chr10_125138313
chr15	28920737	28920737	+	4.534E-15	5.9246E-14	-0.28131	hypo	sig	chr15_28920737
chr12	5039991	5039991	+	4.537E-15	5.9276E-14	-0.20706	hypo	sig	chr12_5039991
chr4	1593775	1593775	+	4.537E-15	5.9276E-14	0.207261	hyper	sig	chr4_1593775
chr1	10672303	10672303	+	4.541E-15	5.9328E-14	0.358193	hyper	sig	chr1_10672303
chr15	89360269	89360269	+	4.546E-15	5.9391E-14	0.322163	hyper	sig	chr15_89360269
chr10	1.32E+08	131981042	+	4.547E-15	5.9402E-14	0.23113	hyper	sig	chr10_131981042
chr12	65278343	65278343	+	4.549E-15	5.9433E-14	0.274047	hyper	sig	chr12_65278343
chr1	2.02E+08	201696290	+	4.551E-15	5.9449E-14	0.266921	hyper	sig	chr1_201696290
chr12	1.18E+08	117874700	+	4.551E-15	5.945E-14	-0.21972	hypo	sig	chr12_117874700
chr7	4107800	4107800	+	4.552E-15	5.9467E-14	-0.2827	hypo	sig	chr7_4107800
chr9	19789429	19789429	+	4.552E-15	5.947E-14	0.277002	hyper	sig	chr9_19789429
chr17	27293603	27293603	+	4.556E-15	5.9522E-14	-0.29224	hypo	sig	chr17_27293603
chr5	1.41E+08	141352276	+	4.56E-15	5.9573E-14	0.292113	hyper	sig	chr5_141352276
chr7	1.29E+08	128916431	+	4.563E-15	5.9602E-14	0.33797	hyper	sig	chr7_128916431
chr4	912130	912130	+	4.564E-15	5.9617E-14	-0.21802	hypo	sig	chr4_912130
chr12	81758617	81758617	+	4.564E-15	5.9618E-14	0.208614	hyper	sig	chr12_81758617
chr2	1.72E+08	172093606	+	4.565E-15	5.9633E-14	0.256004	hyper	sig	chr2_172093606
chr2	2.41E+08	240672994	+	4.568E-15	5.9656E-14	0.229701	hyper	sig	chr2_240672994
chr22	42858162	42858162	+	4.568E-15	5.9661E-14	-0.22025	hypo	sig	chr22_42858162
chr5	73298599	73298599	+	4.569E-15	5.9677E-14	0.353072	hyper	sig	chr5_73298599
chr13	24328414	24328414	+	4.569E-15	5.9678E-14	0.208545	hyper	sig	chr13_24328414
chr10	380621	380621	+	4.571E-15	5.9692E-14	0.2789	hyper	sig	chr10_380621
chr11	2301705	2301705	+	4.571E-15	5.9692E-14	-0.2895	hypo	sig	chr11_2301705
chr11	2376581	2376581	+	4.571E-15	5.9698E-14	-0.21506	hypo	sig	chr11_2376581
chr19	57708751	57708751	+	4.572E-15	5.9703E-14	0.309933	hyper	sig	chr19_57708751
chr5	63960434	63960434	+	4.572E-15	5.9706E-14	0.230514	hyper	sig	chr5_63960434
chr7	1.56E+08	155803658	+	4.572E-15	5.9706E-14	0.276309	hyper	sig	chr7_155803658
chr1	1.98E+08	197920033	+	4.572E-15	5.9709E-14	0.206893	hyper	sig	chr1_197920033

chr19	42323510	42323510	+	4.573E-15	5.9717E-14	0.273679	hyper	sig	chr19_42323510
chr14	73236315	73236315	+	4.574E-15	5.9733E-14	-0.28117	hypo	sig	chr14_73236315
chr8	79611226	79611226	+	4.578E-15	5.9781E-14	0.2444	hyper	sig	chr8_79611226
chr17	40350040	40350040	+	4.579E-15	5.9793E-14	0.210684	hyper	sig	chr17_40350040
chr11	79189797	79189797	+	4.581E-15	5.9814E-14	-0.253	hypo	sig	chr11_79189797
chr7	1.56E+08	155509065	+	4.581E-15	5.9814E-14	0.237327	hyper	sig	chr7_155509065
chr4	1.72E+08	171812662	+	4.581E-15	5.9816E-14	0.278272	hyper	sig	chr4_171812662
chr20	872866	872866	+	4.582E-15	5.9827E-14	-0.2556	hypo	sig	chr20_872866
chr2	1.21E+08	120868209	+	4.586E-15	5.9878E-14	0.256701	hyper	sig	chr2_120868209
chr6	90610471	90610471	+	4.589E-15	5.9911E-14	0.219496	hyper	sig	chr6_90610471
chr20	17225994	17225994	+	4.591E-15	5.9931E-14	0.309167	hyper	sig	chr20_17225994
chr5	2643183	2643183	+	4.593E-15	5.9959E-14	0.264283	hyper	sig	chr5_2643183
chr1	1.55E+08	154502764	+	4.596E-15	6.0006E-14	0.27988	hyper	sig	chr1_154502764
chr6	50843124	50843124	+	4.597E-15	6.0015E-14	0.247984	hyper	sig	chr6_50843124
chr6	1.27E+08	127118959	+	4.598E-15	6.0021E-14	0.200215	hyper	sig	chr6_127118959
chr16	88678288	88678288	+	4.601E-15	6.0067E-14	0.28729	hyper	sig	chr16_88678288
chr16	85551750	85551750	+	4.606E-15	6.0121E-14	-0.2692	hypo	sig	chr16_85551750
chr12	1.31E+08	130933624	+	4.608E-15	6.0145E-14	-0.32824	hypo	sig	chr12_130933624
chr17	39607893	39607893	+	4.608E-15	6.0149E-14	0.273229	hyper	sig	chr17_39607893
chr22	23180156	23180156	+	4.609E-15	6.0168E-14	0.210729	hyper	sig	chr22_23180156
chr20	62740268	62740268	+	4.61E-15	6.0171E-14	-0.25385	hypo	sig	chr20_62740268
chr14	93347157	93347157	+	4.613E-15	6.0209E-14	-0.32794	hypo	sig	chr14_93347157
chr17	50630769	50630769	+	4.613E-15	6.0209E-14	-0.22859	hypo	sig	chr17_50630769
chr8	57143370	57143370	+	4.613E-15	6.0209E-14	0.362702	hyper	sig	chr8_57143370
chr6	32219690	32219690	+	4.614E-15	6.0219E-14	-0.23102	hypo	sig	chr6_32219690
chr11	70826764	70826764	+	4.617E-15	6.0263E-14	0.261982	hyper	sig	chr11_70826764
chr2	31580134	31580134	+	4.618E-15	6.0277E-14	0.276955	hyper	sig	chr2_31580134
chr16	66579292	66579292	+	4.619E-15	6.028E-14	0.208829	hyper	sig	chr16_66579292
chr17	41529196	41529196	+	4.619E-15	6.0287E-14	-0.25371	hypo	sig	chr17_41529196
chr10	1.05E+08	104640098	+	4.621E-15	6.0303E-14	0.293232	hyper	sig	chr10_104640098
chr13	58714172	58714172	+	4.623E-15	6.0333E-14	-0.31213	hypo	sig	chr13_58714172
chr7	35253609	35253609	+	4.623E-15	6.0333E-14	0.2215	hyper	sig	chr7_35253609
chr8	1.28E+08	127800467	+	4.624E-15	6.0342E-14	-0.29797	hypo	sig	chr8_127800467
chr10	1.01E+08	101140291	+	4.625E-15	6.0358E-14	0.240925	hyper	sig	chr10_101140291
chr1	1963767	1963767	+	4.627E-15	6.0382E-14	-0.23762	hypo	sig	chr1_1963767
chr10	52411185	52411185	+	4.63E-15	6.0414E-14	0.252007	hyper	sig	chr10_52411185
chr15	27545536	27545536	+	4.632E-15	6.0438E-14	-0.23139	hypo	sig	chr15_27545536
chr5	1.41E+08	140877656	+	4.632E-15	6.0438E-14	0.242928	hyper	sig	chr5_140877656
chr4	6727232	6727232	+	4.633E-15	6.0448E-14	0.2475	hyper	sig	chr4_6727232
chr17	7446682	7446682	+	4.636E-15	6.0494E-14	0.282523	hyper	sig	chr17_7446682
chr20	22582099	22582099	+	4.637E-15	6.0507E-14	0.296921	hyper	sig	chr20_22582099
chr22	45309133	45309133	+	4.641E-15	6.0548E-14	-0.28111	hypo	sig	chr22_45309133
chr5	74866984	74866984	+	4.642E-15	6.0561E-14	-0.22438	hypo	sig	chr5_74866984
chr14	1.04E+08	104398733	+	4.642E-15	6.0562E-14	0.22238	hyper	sig	chr14_104398733
chr1	3208042	3208042	+	4.642E-15	6.0562E-14	-0.26747	hypo	sig	chr1_3208042
chr5	1243584	1243584	+	4.645E-15	6.0601E-14	0.226038	hyper	sig	chr5_1243584
chr2	1.81E+08	181457035	+	4.647E-15	6.0632E-14	0.220406	hyper	sig	chr2_181457035
chr22	50000035	50000035	+	4.649E-15	6.0656E-14	0.22384	hyper	sig	chr22_50000035
chr6	1.46E+08	146029282	+	4.65E-15	6.066E-14	0.228298	hyper	sig	chr6_146029282
chr1	75135464	75135464	+	4.651E-15	6.0671E-14	0.22441	hyper	sig	chr1_75135464
chr1	1.17E+08	116570105	+	4.651E-15	6.0674E-14	-0.20188	hypo	sig	chr1_116570105
chr19	4568976	4568976	+	4.652E-15	6.068E-14	-0.34151	hypo	sig	chr19_4568976
chr19	56671642	56671642	+	4.652E-15	6.0691E-14	0.28066	hyper	sig	chr19_56671642
chr20	21397511	21397511	+	4.653E-15	6.0692E-14	0.263779	hyper	sig	chr20_21397511
chr12	1.32E+08	131657522	+	4.656E-15	6.0737E-14	-0.20912	hypo	sig	chr12_131657522
chr2	1.3E+08	130129277	+	4.659E-15	6.0777E-14	-0.20217	hypo	sig	chr2_130129277

chr17	4785452	4785452	+	4.66E-15	6.0781E-14	0.240978	hyper	sig	chr17_4785452
chr11	31799802	31799802	+	4.668E-15	6.0883E-14	0.257208	hyper	sig	chr11_31799802
chr9	1.37E+08	137031303	+	4.67E-15	6.0916E-14	-0.23758	hypo	sig	chr9_137031303
chr1	2.03E+08	203223628	+	4.675E-15	6.098E-14	-0.20494	hypo	sig	chr1_203223628
chr21	41762948	41762948	+	4.676E-15	6.0984E-14	0.280599	hyper	sig	chr21_41762948
chr6	32070764	32070764	+	4.676E-15	6.0984E-14	-0.2563	hypo	sig	chr6_32070764
chr7	1.54E+08	153886538	+	4.677E-15	6.0995E-14	0.384669	hyper	sig	chr7_153886538
chr8	52939199	52939199	+	4.682E-15	6.1059E-14	0.310162	hyper	sig	chr8_52939199
chr15	52788752	52788752	+	4.691E-15	6.1173E-14	0.284827	hyper	sig	chr15_52788752
chr4	912098	912098	+	4.693E-15	6.1196E-14	-0.20057	hypo	sig	chr4_912098
chr10	69567994	69567994	+	4.694E-15	6.1207E-14	0.246556	hyper	sig	chr10_69567994
chr11	68994915	68994915	+	4.695E-15	6.122E-14	-0.24778	hypo	sig	chr11_68994915
chr11	75584189	75584189	+	4.698E-15	6.1264E-14	0.284615	hyper	sig	chr11_75584189
chr4	1405474	1405474	+	4.708E-15	6.1391E-14	0.3195	hyper	sig	chr4_1405474
chr5	1446128	1446128	+	4.709E-15	6.1398E-14	0.258923	hyper	sig	chr5_1446128
chr9	39132527	39132527	+	4.709E-15	6.1404E-14	-0.29605	hypo	sig	chr9_39132527
chr12	7639951	7639951	+	4.717E-15	6.1503E-14	0.245502	hyper	sig	chr12_7639951
chr15	74025466	74025466	+	4.719E-15	6.1529E-14	0.284626	hyper	sig	chr15_74025466
chr7	1158820	1158820	+	4.721E-15	6.1559E-14	-0.34369	hypo	sig	chr7_1158820
chr16	3193306	3193306	+	4.723E-15	6.1581E-14	0.230776	hyper	sig	chr16_3193306
chr3	42704274	42704274	+	4.724E-15	6.1588E-14	-0.23227	hypo	sig	chr3_42704274
chr3	1.82E+08	181724349	+	4.725E-15	6.1603E-14	0.313163	hyper	sig	chr3_181724349
chr8	1.43E+08	143426514	+	4.727E-15	6.1632E-14	0.321974	hyper	sig	chr8_143426514
chr2	10331266	10331266	+	4.73E-15	6.1663E-14	-0.30964	hypo	sig	chr2_10331266
chr20	25250323	25250323	+	4.733E-15	6.1708E-14	-0.22077	hypo	sig	chr20_25250323
chr5	192006	192006	+	4.735E-15	6.1729E-14	0.30708	hyper	sig	chr5_192006
chr19	12597094	12597094	+	4.736E-15	6.1744E-14	0.274351	hyper	sig	chr19_12597094
chr4	65670904	65670904	+	4.74E-15	6.1792E-14	0.20237	hyper	sig	chr4_65670904
chr11	1.3E+08	130166647	+	4.744E-15	6.1836E-14	-0.2038	hypo	sig	chr11_130166647
chr1	90723650	90723650	+	4.749E-15	6.1906E-14	0.259246	hyper	sig	chr1_90723650
chr19	3507853	3507853	+	4.75E-15	6.1908E-14	0.250849	hyper	sig	chr19_3507853
chr17	79747259	79747259	+	4.755E-15	6.1973E-14	0.290436	hyper	sig	chr17_79747259
chr5	84384197	84384197	+	4.755E-15	6.1976E-14	0.289137	hyper	sig	chr5_84384197
chr6	1.68E+08	168389051	+	4.759E-15	6.2025E-14	-0.27814	hypo	sig	chr6_168389051
chr15	23073978	23073978	+	4.761E-15	6.2054E-14	-0.28308	hypo	sig	chr15_23073978
chr1	15214767	15214767	+	4.766E-15	6.2113E-14	0.228344	hyper	sig	chr1_15214767
chr2	2.22E+08	222298843	+	4.769E-15	6.2149E-14	0.200879	hyper	sig	chr2_222298843
chr17	2924279	2924279	+	4.769E-15	6.2152E-14	0.26878	hyper	sig	chr17_2924279
chr1	21325815	21325815	+	4.771E-15	6.2176E-14	0.211087	hyper	sig	chr1_21325815
chr17	47959021	47959021	+	4.771E-15	6.2176E-14	-0.25345	hypo	sig	chr17_47959021
chr14	41606194	41606194	+	4.772E-15	6.2189E-14	0.278112	hyper	sig	chr14_41606194
chr21	36707382	36707382	+	4.772E-15	6.2191E-14	0.296211	hyper	sig	chr21_36707382
chr3	1.74E+08	174212212	+	4.773E-15	6.2194E-14	-0.22685	hypo	sig	chr3_174212212
chr11	20163577	20163577	+	4.775E-15	6.2219E-14	0.314168	hyper	sig	chr11_20163577
chr19	1254192	1254192	+	4.775E-15	6.2227E-14	0.291769	hyper	sig	chr19_1254192
chr1	1.91E+08	191026235	+	4.776E-15	6.224E-14	-0.25348	hypo	sig	chr1_191026235
chr3	1.38E+08	137769723	+	4.777E-15	6.2252E-14	0.205298	hyper	sig	chr3_137769723
chr5	16937267	16937267	+	4.782E-15	6.2305E-14	-0.22685	hypo	sig	chr5_16937267
chr6	1E+08	100458306	+	4.783E-15	6.2316E-14	0.222122	hyper	sig	chr6_100458306
chr1	3283959	3283959	+	4.787E-15	6.2368E-14	0.272083	hyper	sig	chr1_3283959
chr1	32926027	32926027	+	4.789E-15	6.2394E-14	0.220825	hyper	sig	chr1_32926027
chr17	17811018	17811018	+	4.789E-15	6.2394E-14	0.201573	hyper	sig	chr17_17811018
chr7	1.17E+08	117323446	+	4.789E-15	6.2396E-14	0.277072	hyper	sig	chr7_117323446
chr13	78596829	78596829	+	4.791E-15	6.2415E-14	0.247958	hyper	sig	chr13_78596829
chr19	827776	827776	+	4.793E-15	6.2451E-14	-0.25054	hypo	sig	chr19_827776
chr15	29149768	29149768	+	4.794E-15	6.2461E-14	-0.31614	hypo	sig	chr15_29149768

chr6	1.08E+08	108161642	+	4.796E-15	6.2486E-14	0.209367	hyper	sig	chr6_108161642
chr1	50846451	50846451	+	4.801E-15	6.2545E-14	-0.20642	hypo	sig	chr1_50846451
chr10	1.24E+08	124447263	+	4.802E-15	6.2556E-14	0.245298	hyper	sig	chr10_124447263
chr2	2.34E+08	233729597	+	4.803E-15	6.2565E-14	-0.23993	hypo	sig	chr2_233729597
chr12	1.1E+08	109877829	+	4.807E-15	6.2612E-14	0.252183	hyper	sig	chr12_109877829
chr16	51156108	51156108	+	4.812E-15	6.2685E-14	0.219897	hyper	sig	chr16_51156108
chr10	80131668	80131668	+	4.813E-15	6.2688E-14	-0.33804	hypo	sig	chr10_80131668
chr2	1.53E+08	153477997	+	4.814E-15	6.2702E-14	0.267107	hyper	sig	chr2_153477997
chr2	451756	451756	+	4.817E-15	6.2743E-14	-0.26419	hypo	sig	chr2_451756
chr13	1.12E+08	112246841	+	4.821E-15	6.279E-14	-0.30279	hypo	sig	chr13_112246841
chr22	44286586	44286586	+	4.821E-15	6.2798E-14	-0.36603	hypo	sig	chr22_44286586
chr3	1.47E+08	147410892	+	4.824E-15	6.2836E-14	0.210452	hyper	sig	chr3_147410892
chr13	1.13E+08	112991191	+	4.827E-15	6.2872E-14	-0.23787	hypo	sig	chr13_112991191
chr8	72250330	72250330	+	4.828E-15	6.2879E-14	-0.23683	hypo	sig	chr8_72250330
chr7	27145256	27145256	+	4.83E-15	6.2904E-14	0.27598	hyper	sig	chr7_27145256
chr11	626177	626177	+	4.834E-15	6.2949E-14	-0.24774	hypo	sig	chr11_626177
chr13	30418769	30418769	+	4.835E-15	6.2972E-14	0.247432	hyper	sig	chr13_30418769
chr5	1.8E+08	180328516	+	4.836E-15	6.2973E-14	-0.25757	hypo	sig	chr5_180328516
chr2	47572046	47572046	+	4.84E-15	6.303E-14	0.229067	hyper	sig	chr2_47572046
chr7	21543994	21543994	+	4.842E-15	6.305E-14	0.240426	hyper	sig	chr7_21543994
chr16	73064019	73064019	+	4.844E-15	6.3079E-14	-0.27515	hypo	sig	chr16_73064019
chr5	1.81E+08	181195072	+	4.848E-15	6.3133E-14	0.241845	hyper	sig	chr5_181195072
chr12	24562930	24562930	+	4.85E-15	6.315E-14	0.224691	hyper	sig	chr12_24562930
chr10	1.01E+08	101227545	+	4.851E-15	6.3171E-14	0.25393	hyper	sig	chr10_101227545
chr7	3056855	3056855	+	4.852E-15	6.3176E-14	0.229315	hyper	sig	chr7_3056855
chr11	1.25E+08	125489554	+	4.855E-15	6.3212E-14	-0.20204	hypo	sig	chr11_125489554
chr7	1.28E+08	128033007	+	4.855E-15	6.3216E-14	0.258498	hyper	sig	chr7_128033007
chr12	57632294	57632294	+	4.857E-15	6.3241E-14	0.220168	hyper	sig	chr12_57632294
chr17	10309133	10309133	+	4.857E-15	6.3246E-14	-0.23805	hypo	sig	chr17_10309133
chr2	1.05E+08	105119231	+	4.864E-15	6.3332E-14	0.2469	hyper	sig	chr2_105119231
chr17	82321073	82321073	+	4.866E-15	6.3355E-14	-0.2644	hypo	sig	chr17_82321073
chr1	9198568	9198568	+	4.871E-15	6.3423E-14	0.324354	hyper	sig	chr1_9198568
chr14	99548528	99548528	+	4.873E-15	6.3445E-14	0.23361	hyper	sig	chr14_99548528
chr8	861003	861003	+	4.874E-15	6.3458E-14	-0.27497	hypo	sig	chr8_861003
chr17	49964563	49964563	+	4.876E-15	6.3484E-14	0.340959	hyper	sig	chr17_49964563
chr11	66068817	66068817	+	4.877E-15	6.3488E-14	0.222054	hyper	sig	chr11_66068817
chr16	66948951	66948951	+	4.878E-15	6.3499E-14	0.256563	hyper	sig	chr16_66948951
chr15	83283807	83283807	+	4.878E-15	6.3501E-14	0.210222	hyper	sig	chr15_83283807
chr19	49210810	49210810	+	4.878E-15	6.3501E-14	0.247021	hyper	sig	chr19_49210810
chr5	2206754	2206754	+	4.88E-15	6.3524E-14	0.213924	hyper	sig	chr5_2206754
chr4	1534002	1534002	+	4.881E-15	6.3535E-14	0.262009	hyper	sig	chr4_1534002
chr21	46033982	46033982	+	4.881E-15	6.3541E-14	0.248641	hyper	sig	chr21_46033982
chr5	2756909	2756909	+	4.882E-15	6.3552E-14	0.202561	hyper	sig	chr5_2756909
chr1	1.55E+08	155243956	+	4.882E-15	6.3552E-14	-0.2069	hypo	sig	chr1_155243956
chr11	6319331	6319331	+	4.883E-15	6.3554E-14	0.26332	hyper	sig	chr11_6319331
chr5	1.73E+08	173228976	+	4.885E-15	6.3576E-14	0.208523	hyper	sig	chr5_173228976
chr5	1.41E+08	141432908	+	4.887E-15	6.3609E-14	0.228922	hyper	sig	chr5_141432908
chr8	837097	837097	+	4.89E-15	6.3644E-14	-0.20156	hypo	sig	chr8_837097
chr10	1.04E+08	103661746	+	4.892E-15	6.3665E-14	0.263933	hyper	sig	chr10_103661746
chr2	70889566	70889566	+	4.892E-15	6.3671E-14	0.221086	hyper	sig	chr2_70889566
chr14	26205011	26205011	+	4.893E-15	6.3681E-14	0.265055	hyper	sig	chr14_26205011
chr2	2.41E+08	240831914	+	4.894E-15	6.3694E-14	0.207624	hyper	sig	chr2_240831914
chr14	94773120	94773120	+	4.894E-15	6.3696E-14	0.232086	hyper	sig	chr14_94773120
chr14	99792906	99792906	+	4.894E-15	6.3696E-14	0.282894	hyper	sig	chr14_99792906
chr22	48581636	48581636	+	4.896E-15	6.3717E-14	-0.21604	hypo	sig	chr22_48581636
chr12	54047378	54047378	+	4.901E-15	6.3773E-14	0.26703	hyper	sig	chr12_54047378

chr14	22883273	22883273	+	4.902E-15	6.3792E-14	0.319525	hyper	sig	chr14_22883273
chr3	1.58E+08	158094229	+	4.904E-15	6.3811E-14	0.254487	hyper	sig	chr3_158094229
chr1	90725407	90725407	+	4.907E-15	6.3859E-14	0.257564	hyper	sig	chr1_90725407
chr20	21104324	21104324	+	4.909E-15	6.3872E-14	0.236587	hyper	sig	chr20_21104324
chr13	1.13E+08	113406365	+	4.912E-15	6.3913E-14	-0.28708	hypo	sig	chr13_113406365
chr1	3217293	3217293	+	4.92E-15	6.4021E-14	0.255336	hyper	sig	chr1_3217293
chr11	1.19E+08	119339581	+	4.923E-15	6.4055E-14	0.261905	hyper	sig	chr11_119339581
chr12	52950900	52950900	+	4.925E-15	6.4077E-14	-0.31555	hypo	sig	chr12_52950900
chr4	2304053	2304053	+	4.926E-15	6.4093E-14	-0.29208	hypo	sig	chr4_2304053
chr17	20907917	20907917	+	4.926E-15	6.4097E-14	-0.32944	hypo	sig	chr17_20907917
chr3	1.47E+08	147392535	+	4.928E-15	6.4119E-14	0.228524	hyper	sig	chr3_147392535
chr14	28766136	28766136	+	4.931E-15	6.4158E-14	0.286466	hyper	sig	chr14_28766136
chr17	41480424	41480424	+	4.936E-15	6.4218E-14	-0.23965	hypo	sig	chr17_41480424
chr20	58853343	58853343	+	4.94E-15	6.4271E-14	-0.23594	hypo	sig	chr20_58853343
chr2	1837360	1837360	+	4.941E-15	6.4281E-14	-0.28082	hypo	sig	chr2_1837360
chr1	17423702	17423702	+	4.943E-15	6.43E-14	0.291582	hyper	sig	chr1_17423702
chr18	33441039	33441039	+	4.943E-15	6.4301E-14	0.271454	hyper	sig	chr18_33441039
chr1	2.4E+08	240493411	+	4.946E-15	6.4341E-14	-0.24005	hypo	sig	chr1_240493411
chr8	56446214	56446214	+	4.947E-15	6.4345E-14	0.335084	hyper	sig	chr8_56446214
chr17	44384905	44384905	+	4.95E-15	6.4382E-14	0.328788	hyper	sig	chr17_44384905
chr16	54939901	54939901	+	4.951E-15	6.4399E-14	0.232036	hyper	sig	chr16_54939901
chr8	1011733	1011733	+	4.951E-15	6.4399E-14	-0.23664	hypo	sig	chr8_1011733
chr16	87822658	87822658	+	4.953E-15	6.4414E-14	0.238353	hyper	sig	chr16_87822658
chr12	46831192	46831192	+	4.953E-15	6.4417E-14	0.272926	hyper	sig	chr12_46831192
chr17	49972974	49972974	+	4.953E-15	6.4417E-14	0.21727	hyper	sig	chr17_49972974
chr1	22563163	22563163	+	4.959E-15	6.4491E-14	0.247033	hyper	sig	chr1_22563163
chr7	2282250	2282250	+	4.962E-15	6.4537E-14	0.227731	hyper	sig	chr7_2282250
chr1	2207842	2207842	+	4.963E-15	6.4543E-14	0.25653	hyper	sig	chr1_2207842
chr20	62352919	62352919	+	4.963E-15	6.4548E-14	0.24403	hyper	sig	chr20_62352919
chr5	1860021	1860021	+	4.965E-15	6.4566E-14	-0.24933	hypo	sig	chr5_1860021
chr19	50428178	50428178	+	4.966E-15	6.4572E-14	0.212266	hyper	sig	chr19_50428178
chr16	89562372	89562372	+	4.968E-15	6.4604E-14	-0.24788	hypo	sig	chr16_89562372
chr21	42838181	42838181	+	4.97E-15	6.4629E-14	0.232918	hyper	sig	chr21_42838181
chr17	68198603	68198603	+	4.97E-15	6.4633E-14	0.232595	hyper	sig	chr17_68198603
chr11	67978870	67978870	+	4.971E-15	6.4645E-14	-0.25256	hypo	sig	chr11_67978870
chr16	29873616	29873616	+	4.972E-15	6.4645E-14	-0.25645	hypo	sig	chr16_29873616
chr13	1.11E+08	110797551	+	4.974E-15	6.4672E-14	-0.21393	hypo	sig	chr13_110797551
chr4	14360089	14360089	+	4.975E-15	6.4692E-14	-0.23573	hypo	sig	chr4_14360089
chr19	12648323	12648323	+	4.976E-15	6.4694E-14	0.243975	hyper	sig	chr19_12648323
chr16	49275213	49275213	+	4.977E-15	6.4712E-14	0.260913	hyper	sig	chr16_49275213
chr6	6736831	6736831	+	4.979E-15	6.4733E-14	0.272065	hyper	sig	chr6_6736831
chr22	48499922	48499922	+	4.983E-15	6.4781E-14	-0.32925	hypo	sig	chr22_48499922
chr16	86513332	86513332	+	4.983E-15	6.479E-14	0.238051	hyper	sig	chr16_86513332
chr19	36797745	36797745	+	4.985E-15	6.4809E-14	0.222942	hyper	sig	chr19_36797745
chr16	1007736	1007736	+	4.988E-15	6.4843E-14	-0.31047	hypo	sig	chr16_1007736
chr5	73301241	73301241	+	4.992E-15	6.4894E-14	0.260473	hyper	sig	chr5_73301241
chr1	1.5E+08	150151563	+	4.993E-15	6.4908E-14	0.219516	hyper	sig	chr1_150151563
chr17	35488513	35488513	+	4.993E-15	6.4913E-14	0.22015	hyper	sig	chr17_35488513
chr5	73381453	73381453	+	4.999E-15	6.498E-14	0.256415	hyper	sig	chr5_73381453
chr19	56507459	56507459	+	5.001E-15	6.501E-14	0.26696	hyper	sig	chr19_56507459
chr21	38804626	38804626	+	5.001E-15	6.501E-14	-0.28643	hypo	sig	chr21_38804626
chr8	1.44E+08	143616687	+	5.004E-15	6.504E-14	-0.24472	hypo	sig	chr8_143616687
chr11	20159874	20159874	+	5.009E-15	6.5102E-14	0.278394	hyper	sig	chr11_20159874
chr14	1.06E+08	105972546	+	5.011E-15	6.5127E-14	-0.2017	hypo	sig	chr14_105972546
chr16	760702	760702	+	5.012E-15	6.514E-14	-0.27895	hypo	sig	chr16_760702
chr5	1.79E+08	179210008	+	5.012E-15	6.514E-14	-0.35484	hypo	sig	chr5_179210008

chr7	1.51E+08	151410829	+	5.016E-15	6.5197E-14	0.315467	hyper	sig	chr7_151410829
chr11	71537749	71537749	+	5.016E-15	6.5198E-14	-0.24973	hypo	sig	chr11_71537749
chr4	84503154	84503154	+	5.018E-15	6.5221E-14	0.216616	hyper	sig	chr4_84503154
chr15	82681011	82681011	+	5.025E-15	6.5313E-14	0.276249	hyper	sig	chr15_82681011
chr7	1769483	1769483	+	5.029E-15	6.5354E-14	-0.23961	hypo	sig	chr7_1769483
chr16	87604863	87604863	+	5.03E-15	6.5366E-14	-0.2425	hypo	sig	chr16_87604863
chr20	844021	844021	+	5.034E-15	6.5414E-14	-0.30019	hypo	sig	chr20_844021
chr22	48521336	48521336	+	5.037E-15	6.5462E-14	-0.27816	hypo	sig	chr22_48521336
chr11	44310600	44310600	+	5.039E-15	6.5483E-14	0.223633	hyper	sig	chr11_44310600
chr19	58204277	58204277	+	5.041E-15	6.5506E-14	0.289693	hyper	sig	chr19_58204277
chr19	1465551	1465551	+	5.042E-15	6.5519E-14	0.287757	hyper	sig	chr19_1465551
chr14	56797662	56797662	+	5.043E-15	6.5536E-14	0.251271	hyper	sig	chr14_56797662
chr1	6466013	6466013	+	5.05E-15	6.5617E-14	0.258565	hyper	sig	chr1_6466013
chr8	1.43E+08	143289828	+	5.05E-15	6.562E-14	-0.36689	hypo	sig	chr8_143289828
chr4	1.12E+08	112379489	+	5.052E-15	6.5642E-14	0.260269	hyper	sig	chr4_112379489
chr14	75470080	75470080	+	5.053E-15	6.565E-14	0.252273	hyper	sig	chr14_75470080
chr17	35496608	35496608	+	5.055E-15	6.5679E-14	0.335697	hyper	sig	chr17_35496608
chr6	1.5E+08	150037740	+	5.06E-15	6.5739E-14	0.222889	hyper	sig	chr6_150037740
chr19	755173	755173	+	5.06E-15	6.5743E-14	-0.25362	hypo	sig	chr19_755173
chr16	88975622	88975622	+	5.064E-15	6.5785E-14	-0.29546	hypo	sig	chr16_88975622
chr13	99657976	99657976	+	5.064E-15	6.5791E-14	0.221561	hyper	sig	chr13_99657976
chr21	36706689	36706689	+	5.065E-15	6.5809E-14	0.283598	hyper	sig	chr21_36706689
chr12	10009158	10009158	+	5.07E-15	6.5868E-14	-0.20742	hypo	sig	chr12_10009158
chr10	5894498	5894498	+	5.077E-15	6.5955E-14	0.208076	hyper	sig	chr10_5894498
chr14	74348455	74348455	+	5.081E-15	6.6E-14	0.237603	hyper	sig	chr14_74348455
chr17	4969239	4969239	+	5.086E-15	6.6063E-14	0.22183	hyper	sig	chr17_4969239
chr10	1.17E+08	117138382	+	5.087E-15	6.6086E-14	0.212159	hyper	sig	chr10_117138382
chr2	2.42E+08	241666687	+	5.088E-15	6.6092E-14	0.203778	hyper	sig	chr2_241666687
chr7	1.55E+08	155382654	+	5.095E-15	6.6182E-14	0.239011	hyper	sig	chr7_155382654
chr6	1E+08	100449566	+	5.098E-15	6.6214E-14	0.292873	hyper	sig	chr6_100449566
chr6	10385256	10385256	+	5.098E-15	6.6218E-14	0.292127	hyper	sig	chr6_10385256
chr7	1.37E+08	136869159	+	5.101E-15	6.6253E-14	0.266745	hyper	sig	chr7_136869159
chr17	286198	286198	+	5.107E-15	6.6337E-14	-0.27089	hypo	sig	chr17_286198
chr5	1.35E+08	135399923	+	5.109E-15	6.6353E-14	0.229988	hyper	sig	chr5_135399923
chr5	59893912	59893912	+	5.11E-15	6.6364E-14	0.259766	hyper	sig	chr5_59893912
chr7	1.18E+08	118224644	+	5.113E-15	6.6403E-14	-0.20649	hypo	sig	chr7_118224644
chr9	23824213	23824213	+	5.113E-15	6.641E-14	0.27245	hyper	sig	chr9_23824213
chr19	475162	475162	+	5.117E-15	6.6454E-14	-0.2363	hypo	sig	chr19_475162
chr8	96157843	96157843	+	5.12E-15	6.6487E-14	0.203737	hyper	sig	chr8_96157843
chr16	15726929	15726929	+	5.123E-15	6.6529E-14	-0.28407	hypo	sig	chr16_15726929
chr19	53058064	53058064	+	5.125E-15	6.6549E-14	0.399444	hyper	sig	chr19_53058064
chr7	1364208	1364208	+	5.131E-15	6.6636E-14	-0.26462	hypo	sig	chr7_1364208
chr11	85934710	85934710	+	5.133E-15	6.6651E-14	0.303916	hyper	sig	chr11_85934710
chr10	1.3E+08	129965406	+	5.14E-15	6.6748E-14	0.241065	hyper	sig	chr10_129965406
chr11	31796907	31796907	+	5.14E-15	6.6748E-14	0.32675	hyper	sig	chr11_31796907
chr19	53907933	53907933	+	5.142E-15	6.6772E-14	0.312025	hyper	sig	chr19_53907933
chr11	90052724	90052724	+	5.144E-15	6.6786E-14	0.28035	hyper	sig	chr11_90052724
chr1	1.19E+08	118980295	+	5.148E-15	6.6848E-14	0.327244	hyper	sig	chr1_118980295
chr2	2.22E+08	222298958	+	5.151E-15	6.688E-14	0.204367	hyper	sig	chr2_222298958
chr19	12648207	12648207	+	5.157E-15	6.6953E-14	0.294433	hyper	sig	chr19_12648207
chr9	10613434	10613434	+	5.162E-15	6.702E-14	0.305156	hyper	sig	chr9_10613434
chr8	1.18E+08	118074523	+	5.163E-15	6.7031E-14	0.274402	hyper	sig	chr8_118074523
chr7	2440832	2440832	+	5.164E-15	6.7048E-14	-0.31981	hypo	sig	chr7_2440832
chr5	1667875	1667875	+	5.166E-15	6.7062E-14	0.204483	hyper	sig	chr5_1667875
chr2	23617869	23617869	+	5.171E-15	6.7134E-14	0.282775	hyper	sig	chr2_23617869
chr15	39584094	39584094	+	5.172E-15	6.7141E-14	0.234716	hyper	sig	chr15_39584094

chr8	13153294	13153294	+	5.173E-15	6.7149E-14	0.224153	hyper	sig	chr8_13153294
chr12	1.32E+08	132261027	+	5.174E-15	6.7169E-14	-0.29349	hypo	sig	chr12_132261027
chr1	98048805	98048805	+	5.175E-15	6.718E-14	0.216573	hyper	sig	chr1_98048805
chr7	83749836	83749836	+	5.177E-15	6.7207E-14	-0.21282	hypo	sig	chr7_83749836
chr5	32522850	32522850	+	5.178E-15	6.7219E-14	-0.20921	hypo	sig	chr5_32522850
chr17	48554470	48554470	+	5.187E-15	6.7326E-14	0.31431	hyper	sig	chr17_48554470
chr1	1.1E+08	110068251	+	5.191E-15	6.7376E-14	0.223653	hyper	sig	chr1_110068251
chr11	2088514	2088514	+	5.195E-15	6.7431E-14	-0.21687	hypo	sig	chr11_2088514
chr12	47942336	47942336	+	5.198E-15	6.7461E-14	0.351166	hyper	sig	chr12_47942336
chr1	3434603	3434603	+	5.199E-15	6.7475E-14	-0.25635	hypo	sig	chr1_3434603
chr19	55376537	55376537	+	5.204E-15	6.7544E-14	-0.31407	hypo	sig	chr19_55376537
chr20	21608521	21608521	+	5.209E-15	6.7599E-14	-0.33148	hypo	sig	chr20_21608521
chr7	1.58E+08	158317890	+	5.209E-15	6.7607E-14	0.228736	hyper	sig	chr7_158317890
chr17	4204896	4204896	+	5.211E-15	6.763E-14	0.281144	hyper	sig	chr17_4204896
chr7	74258605	74258605	+	5.218E-15	6.7723E-14	-0.23002	hypo	sig	chr7_74258605
chr10	72089868	72089868	+	5.221E-15	6.776E-14	-0.26045	hypo	sig	chr10_72089868
chr11	1.35E+08	134712903	+	5.23E-15	6.7872E-14	-0.20795	hypo	sig	chr11_134712903
chr1	1.61E+08	161422122	+	5.244E-15	6.8043E-14	0.217275	hyper	sig	chr1_161422122
chr16	3029778	3029778	+	5.251E-15	6.8142E-14	0.251052	hyper	sig	chr16_3029778
chr12	1.13E+08	113469277	+	5.254E-15	6.8179E-14	0.209593	hyper	sig	chr12_113469277
chr5	3823437	3823437	+	5.256E-15	6.8201E-14	-0.21785	hypo	sig	chr5_3823437
chr5	73301401	73301401	+	5.257E-15	6.8207E-14	0.271018	hyper	sig	chr5_73301401
chr7	98870537	98870537	+	5.258E-15	6.8219E-14	0.274239	hyper	sig	chr7_98870537
chr10	11870536	11870536	+	5.264E-15	6.83E-14	0.295834	hyper	sig	chr10_11870536
chr12	65729539	65729539	+	5.265E-15	6.8317E-14	0.259491	hyper	sig	chr12_65729539
chr5	73299766	73299766	+	5.267E-15	6.8331E-14	0.285399	hyper	sig	chr5_73299766
chr5	88685408	88685408	+	5.268E-15	6.8345E-14	0.290858	hyper	sig	chr5_88685408
chr14	85531395	85531395	+	5.269E-15	6.8356E-14	0.263276	hyper	sig	chr14_85531395
chr17	20852177	20852177	+	5.27E-15	6.8367E-14	0.237627	hyper	sig	chr17_20852177
chr17	48554487	48554487	+	5.272E-15	6.84E-14	0.288771	hyper	sig	chr17_48554487
chr5	84384201	84384201	+	5.276E-15	6.8444E-14	0.287761	hyper	sig	chr5_84384201
chr1	2.27E+08	226637863	+	5.277E-15	6.8452E-14	0.240966	hyper	sig	chr1_226637863
chr16	2082327	2082327	+	5.28E-15	6.8489E-14	0.293731	hyper	sig	chr16_2082327
chr2	66437847	66437847	+	5.284E-15	6.8542E-14	0.203592	hyper	sig	chr2_66437847
chr8	1E+08	100213734	+	5.289E-15	6.8607E-14	-0.26524	hypo	sig	chr8_100213734
chr3	1.18E+08	117997278	+	5.293E-15	6.8654E-14	0.322182	hyper	sig	chr3_117997278
chr7	1.43E+08	142877259	+	5.296E-15	6.8699E-14	-0.2309	hypo	sig	chr7_142877259
chr5	1.33E+08	133245618	+	5.296E-15	6.8701E-14	-0.26239	hypo	sig	chr5_133245618
chr3	1.25E+08	125141971	+	5.297E-15	6.8708E-14	0.241512	hyper	sig	chr3_125141971
chr1	2378645	2378645	+	5.298E-15	6.8722E-14	-0.25021	hypo	sig	chr1_2378645
chr14	36654700	36654700	+	5.298E-15	6.8725E-14	0.322749	hyper	sig	chr14_36654700
chr6	1.05E+08	104953009	+	5.3E-15	6.8749E-14	0.27115	hyper	sig	chr6_104953009
chr11	85934738	85934738	+	5.301E-15	6.8757E-14	0.328004	hyper	sig	chr11_85934738
chr16	1104991	1104991	+	5.307E-15	6.8834E-14	-0.29333	hypo	sig	chr16_1104991
chr2	1.15E+08	115162964	+	5.307E-15	6.8834E-14	0.299991	hyper	sig	chr2_115162964
chr7	1.54E+08	153887314	+	5.311E-15	6.8888E-14	0.292749	hyper	sig	chr7_153887314
chr19	8210128	8210128	+	5.314E-15	6.8925E-14	0.392646	hyper	sig	chr19_8210128
chr7	5304065	5304065	+	5.314E-15	6.8925E-14	-0.24903	hypo	sig	chr7_5304065
chr19	5294107	5294107	+	5.315E-15	6.8933E-14	0.230658	hyper	sig	chr19_5294107
chr19	53883782	53883782	+	5.315E-15	6.8933E-14	0.302875	hyper	sig	chr19_53883782
chr2	70771251	70771251	+	5.316E-15	6.894E-14	-0.2737	hypo	sig	chr2_70771251
chr16	84032510	84032510	+	5.323E-15	6.9031E-14	-0.28416	hypo	sig	chr16_84032510
chr6	1.08E+08	108174374	+	5.327E-15	6.9073E-14	0.273438	hyper	sig	chr6_108174374
chr7	96998017	96998017	+	5.327E-15	6.9073E-14	0.312355	hyper	sig	chr7_96998017
chr2	1.21E+08	120868002	+	5.33E-15	6.9116E-14	0.285021	hyper	sig	chr2_120868002
chr13	22848694	22848694	+	5.331E-15	6.913E-14	-0.29963	hypo	sig	chr13_22848694

chr6	29681288	29681288	+	5.333E-15	6.9148E-14	-0.23449	hypo	sig	chr6_29681288
chr12	1.32E+08	132261083	+	5.334E-15	6.9161E-14	-0.26939	hypo	sig	chr12_132261083
chr1	10674636	10674636	+	5.334E-15	6.9168E-14	0.2733	hyper	sig	chr1_10674636
chr1	1.56E+08	156284378	+	5.337E-15	6.92E-14	-0.25694	hypo	sig	chr1_156284378
chr6	75202995	75202995	+	5.341E-15	6.9255E-14	-0.21137	hypo	sig	chr6_75202995
chr17	1137589	1137589	+	5.344E-15	6.9283E-14	-0.24299	hypo	sig	chr17_1137589
chr19	44776496	44776496	+	5.344E-15	6.9293E-14	-0.28785	hypo	sig	chr19_44776496
chr8	41671405	41671405	+	5.346E-15	6.9314E-14	0.216001	hyper	sig	chr8_41671405
chr12	46832481	46832481	+	5.347E-15	6.9324E-14	0.255295	hyper	sig	chr12_46832481
chr5	1886788	1886788	+	5.347E-15	6.9324E-14	0.272458	hyper	sig	chr5_1886788
chr5	1.77E+08	177116963	+	5.354E-15	6.9405E-14	0.210644	hyper	sig	chr5_177116963
chr13	57631010	57631010	+	5.36E-15	6.948E-14	0.295254	hyper	sig	chr13_57631010
chr1	1.67E+08	166921411	+	5.361E-15	6.9495E-14	0.303857	hyper	sig	chr1_166921411
chr7	1.57E+08	157078523	+	5.364E-15	6.9531E-14	0.24427	hyper	sig	chr7_157078523
chr6	10389858	10389858	+	5.364E-15	6.9536E-14	0.3341	hyper	sig	chr6_10389858
chr18	14342298	14342298	+	5.368E-15	6.9576E-14	-0.24935	hypo	sig	chr18_14342298
chr6	1.08E+08	108171065	+	5.37E-15	6.9601E-14	0.348283	hyper	sig	chr6_108171065
chr16	813303	813303	+	5.372E-15	6.9624E-14	0.377741	hyper	sig	chr16_813303
chr7	5781940	5781940	+	5.373E-15	6.9635E-14	-0.25921	hypo	sig	chr7_5781940
chr7	1.57E+08	157020413	+	5.373E-15	6.9645E-14	0.317207	hyper	sig	chr7_157020413
chr10	1.23E+08	123141979	+	5.374E-15	6.9652E-14	0.271631	hyper	sig	chr10_123141979
chr2	96864836	96864836	+	5.374E-15	6.9655E-14	0.267609	hyper	sig	chr2_96864836
chr8	1.45E+08	144714026	+	5.376E-15	6.967E-14	0.351518	hyper	sig	chr8_144714026
chr17	16665774	16665774	+	5.38E-15	6.9723E-14	-0.29479	hypo	sig	chr17_16665774
chr16	69351858	69351858	+	5.381E-15	6.9727E-14	-0.22914	hypo	sig	chr16_69351858
chr7	2436661	2436661	+	5.383E-15	6.9756E-14	0.242322	hyper	sig	chr7_2436661
chr15	70448114	70448114	+	5.384E-15	6.9769E-14	-0.222	hypo	sig	chr15_70448114
chr4	6472150	6472150	+	5.387E-15	6.9809E-14	0.225748	hyper	sig	chr4_6472150
chr11	1.32E+08	131910508	+	5.388E-15	6.9819E-14	0.261118	hyper	sig	chr11_131910508
chr5	89842	89842	+	5.389E-15	6.9833E-14	-0.27717	hypo	sig	chr5_89842
chr16	88344821	88344821	+	5.39E-15	6.9848E-14	-0.26666	hypo	sig	chr16_88344821
chr7	21544010	21544010	+	5.394E-15	6.9898E-14	0.243619	hyper	sig	chr7_21544010
chr11	68981059	68981059	+	5.395E-15	6.9907E-14	-0.27481	hypo	sig	chr11_68981059
chr11	68942358	68942358	+	5.399E-15	6.9948E-14	0.257016	hyper	sig	chr11_68942358
chr3	1.49E+08	148947052	+	5.4E-15	6.9969E-14	-0.24626	hypo	sig	chr3_148947052
chr3	1.54E+08	154122886	+	5.402E-15	6.9995E-14	0.279954	hyper	sig	chr3_154122886
chr16	86516868	86516868	+	5.404E-15	7.0016E-14	0.242387	hyper	sig	chr16_86516868
chr16	1941319	1941319	+	5.406E-15	7.0035E-14	-0.22074	hypo	sig	chr16_1941319
chr1	78491623	78491623	+	5.407E-15	7.005E-14	0.279391	hyper	sig	chr1_78491623
chr16	8869909	8869909	+	5.41E-15	7.0081E-14	-0.20565	hypo	sig	chr16_8869909
chr16	12089993	12089993	+	5.412E-15	7.0108E-14	-0.20743	hypo	sig	chr16_12089993
chr17	43759087	43759087	+	5.412E-15	7.0112E-14	-0.22078	hypo	sig	chr17_43759087
chr13	25372623	25372623	+	5.416E-15	7.0156E-14	0.343135	hyper	sig	chr13_25372623
chr1	90834641	90834641	+	5.416E-15	7.0157E-14	0.276583	hyper	sig	chr1_90834641
chr13	1.14E+08	114027268	+	5.418E-15	7.018E-14	0.330122	hyper	sig	chr13_114027268
chr12	1.27E+08	127278217	+	5.421E-15	7.0223E-14	-0.24446	hypo	sig	chr12_127278217
chr12	4909010	4909010	+	5.424E-15	7.0258E-14	0.277883	hyper	sig	chr12_4909010
chr15	25204470	25204470	+	5.425E-15	7.0275E-14	-0.29256	hypo	sig	chr15_25204470
chr2	1.19E+08	118849495	+	5.429E-15	7.0325E-14	0.225522	hyper	sig	chr2_118849495
chr15	90211560	90211560	+	5.43E-15	7.034E-14	-0.20356	hypo	sig	chr15_90211560
chr19	2242182	2242182	+	5.431E-15	7.0344E-14	-0.24348	hypo	sig	chr19_2242182
chr6	10887246	10887246	+	5.434E-15	7.0382E-14	0.268436	hyper	sig	chr6_10887246
chr8	24915000	24915000	+	5.434E-15	7.0382E-14	0.216765	hyper	sig	chr8_24915000
chr10	1.23E+08	123142940	+	5.437E-15	7.0425E-14	0.213307	hyper	sig	chr10_123142940
chr4	41873576	41873576	+	5.438E-15	7.0433E-14	0.397919	hyper	sig	chr4_41873576
chr10	23174474	23174474	+	5.44E-15	7.0448E-14	0.291467	hyper	sig	chr10_23174474

chr5	1.77E+08	177366940	+	5.44E-15	7.0448E-14	0.280316	hyper	sig	chr5_177366940
chr2	94871463	94871463	+	5.44E-15	7.0449E-14	0.213224	hyper	sig	chr2_94871463
chr7	1940542	1940542	+	5.443E-15	7.0495E-14	-0.24485	hypo	sig	chr7_1940542
chr8	23705659	23705659	+	5.445E-15	7.0522E-14	0.230998	hyper	sig	chr8_23705659
chr19	29527782	29527782	+	5.448E-15	7.0549E-14	0.321061	hyper	sig	chr19_29527782
chr3	1.54E+08	154122507	+	5.448E-15	7.0555E-14	0.276154	hyper	sig	chr3_154122507
chr5	1.77E+08	176891412	+	5.452E-15	7.06E-14	-0.2426	hypo	sig	chr5_176891412
chr16	1247255	1247255	+	5.457E-15	7.0667E-14	-0.25862	hypo	sig	chr16_1247255
chr3	14401973	14401973	+	5.46E-15	7.0708E-14	-0.23638	hypo	sig	chr3_14401973
chr13	1.13E+08	112691943	+	5.461E-15	7.0714E-14	-0.22017	hypo	sig	chr13_112691943
chr4	1.77E+08	176792227	+	5.464E-15	7.0756E-14	0.264018	hyper	sig	chr4_176792227
chr7	1.59E+08	159026984	+	5.465E-15	7.0761E-14	-0.26508	hypo	sig	chr7_159026984
chr2	1.27E+08	126656787	+	5.472E-15	7.086E-14	0.239972	hyper	sig	chr2_126656787
chr12	89349109	89349109	+	5.477E-15	7.0916E-14	-0.2217	hypo	sig	chr12_89349109
chr11	68025276	68025276	+	5.486E-15	7.1039E-14	-0.21927	hypo	sig	chr11_68025276
chr5	2754639	2754639	+	5.488E-15	7.1055E-14	0.229361	hyper	sig	chr5_2754639
chr9	10613442	10613442	+	5.49E-15	7.1077E-14	0.352035	hyper	sig	chr9_10613442
chr3	62371103	62371103	+	5.491E-15	7.109E-14	0.301595	hyper	sig	chr3_62371103
chr1	6146272	6146272	+	5.493E-15	7.1116E-14	-0.31431	hypo	sig	chr1_6146272
chr10	1.23E+08	122818675	+	5.502E-15	7.1234E-14	0.287196	hyper	sig	chr10_122818675
chr8	48870613	48870613	+	5.516E-15	7.1407E-14	0.37556	hyper	sig	chr8_48870613
chr15	24773069	24773069	+	5.518E-15	7.1431E-14	0.259336	hyper	sig	chr15_24773069
chr5	1.46E+08	146340339	+	5.519E-15	7.1452E-14	0.254356	hyper	sig	chr5_146340339
chr15	99006391	99006391	+	5.521E-15	7.1471E-14	-0.27739	hypo	sig	chr15_99006391
chr5	81394406	81394406	+	5.521E-15	7.1473E-14	0.206438	hyper	sig	chr5_81394406
chr2	949737	949737	+	5.523E-15	7.1497E-14	0.230174	hyper	sig	chr2_949737
chr17	76698156	76698156	+	5.523E-15	7.1498E-14	0.324992	hyper	sig	chr17_76698156
chr10	70441855	70441855	+	5.524E-15	7.1506E-14	-0.22401	hypo	sig	chr10_70441855
chr11	72812949	72812949	+	5.525E-15	7.1509E-14	-0.27467	hypo	sig	chr11_72812949
chr18	11151765	11151765	+	5.526E-15	7.1524E-14	-0.22502	hypo	sig	chr18_11151765
chr16	76235382	76235382	+	5.529E-15	7.1568E-14	-0.20064	hypo	sig	chr16_76235382
chr4	37222456	37222456	+	5.532E-15	7.1599E-14	-0.22894	hypo	sig	chr4_37222456
chr14	36655828	36655828	+	5.532E-15	7.1602E-14	0.26002	hyper	sig	chr14_36655828
chr14	94773087	94773087	+	5.532E-15	7.1602E-14	0.24937	hyper	sig	chr14_94773087
chr19	35310095	35310095	+	5.532E-15	7.1602E-14	-0.25096	hypo	sig	chr19_35310095
chr7	1.56E+08	156466525	+	5.537E-15	7.1667E-14	0.294985	hyper	sig	chr7_156466525
chr8	26044358	26044358	+	5.54E-15	7.1694E-14	0.231698	hyper	sig	chr8_26044358
chr21	37567074	37567074	+	5.541E-15	7.1705E-14	-0.22916	hypo	sig	chr21_37567074
chr14	55440667	55440667	+	5.546E-15	7.1768E-14	0.381478	hyper	sig	chr14_55440667
chr4	1.47E+08	146637083	+	5.546E-15	7.1769E-14	0.306878	hyper	sig	chr4_146637083
chr2	73203189	73203189	+	5.553E-15	7.186E-14	0.250246	hyper	sig	chr2_73203189
chr2	2.41E+08	240921592	+	5.554E-15	7.1872E-14	-0.24111	hypo	sig	chr2_240921592
chr10	77637317	77637317	+	5.554E-15	7.1874E-14	0.20079	hyper	sig	chr10_77637317
chr5	1.55E+08	154691719	+	5.554E-15	7.1874E-14	0.288129	hyper	sig	chr5_154691719
chr17	19745980	19745980	+	5.555E-15	7.1884E-14	-0.24023	hypo	sig	chr17_19745980
chr12	1.19E+08	118774378	+	5.558E-15	7.1915E-14	0.220751	hyper	sig	chr12_118774378
chr12	53966639	53966639	+	5.558E-15	7.1915E-14	0.315048	hyper	sig	chr12_53966639
chr12	1.27E+08	126727935	+	5.561E-15	7.1952E-14	0.245926	hyper	sig	chr12_126727935
chr8	1817452	1817452	+	5.567E-15	7.2027E-14	-0.20821	hypo	sig	chr8_1817452
chr6	1.68E+08	167797274	+	5.567E-15	7.2029E-14	-0.23213	hypo	sig	chr6_167797274
chr18	7116993	7116993	+	5.568E-15	7.2044E-14	0.232129	hyper	sig	chr18_7116993
chr13	1.13E+08	112892917	+	5.572E-15	7.2086E-14	-0.20085	hypo	sig	chr13_112892917
chr19	1468338	1468338	+	5.577E-15	7.2149E-14	0.231819	hyper	sig	chr19_1468338
chr13	1.14E+08	114047307	+	5.578E-15	7.2166E-14	-0.28276	hypo	sig	chr13_114047307
chr6	28259640	28259640	+	5.581E-15	7.2204E-14	0.279216	hyper	sig	chr6_28259640
chr4	7704950	7704950	+	5.582E-15	7.2209E-14	0.243824	hyper	sig	chr4_7704950

chr11	364614	364614	+	5.585E-15	7.225E-14	-0.21525	hypo	sig	chr11_364614
chr9	1.37E+08	136696294	+	5.587E-15	7.2281E-14	-0.21221	hypo	sig	chr9_136696294
chr7	1.28E+08	128032241	+	5.595E-15	7.2376E-14	0.241602	hyper	sig	chr7_128032241
chr1	2043393	2043393	+	5.596E-15	7.2385E-14	-0.26932	hypo	sig	chr1_2043393
chr2	2.32E+08	232459068	+	5.599E-15	7.2425E-14	0.28193	hyper	sig	chr2_232459068
chr16	1089739	1089739	+	5.603E-15	7.2469E-14	-0.25001	hypo	sig	chr16_1089739
chr8	1.43E+08	143197252	+	5.603E-15	7.2469E-14	0.202311	hyper	sig	chr8_143197252
chr20	49982469	49982469	+	5.605E-15	7.2499E-14	-0.23968	hypo	sig	chr20_49982469
chr10	86364856	86364856	+	5.606E-15	7.2506E-14	0.200469	hyper	sig	chr10_86364856
chr5	1.41E+08	141150157	+	5.606E-15	7.2513E-14	0.231298	hyper	sig	chr5_141150157
chr1	2.31E+08	231161331	+	5.607E-15	7.2526E-14	0.221946	hyper	sig	chr1_231161331
chr14	1.03E+08	103225145	+	5.613E-15	7.2599E-14	-0.23895	hypo	sig	chr14_103225145
chr5	1245843	1245843	+	5.614E-15	7.2605E-14	0.35988	hyper	sig	chr5_1245843
chr1	4777353	4777353	+	5.615E-15	7.2615E-14	-0.27393	hypo	sig	chr1_4777353
chr2	2.35E+08	235263813	+	5.617E-15	7.2642E-14	-0.21841	hypo	sig	chr2_235263813
chr18	57798839	57798839	+	5.618E-15	7.2657E-14	-0.20403	hypo	sig	chr18_57798839
chr5	1.78E+08	178078511	+	5.619E-15	7.2672E-14	-0.32482	hypo	sig	chr5_178078511
chr8	1.44E+08	143938621	+	5.619E-15	7.2672E-14	-0.26918	hypo	sig	chr8_143938621
chr9	1.05E+08	104928481	+	5.622E-15	7.2702E-14	0.2783	hyper	sig	chr9_104928481
chr12	53973545	53973545	+	5.626E-15	7.2761E-14	0.317113	hyper	sig	chr12_53973545
chr15	62165684	62165684	+	5.627E-15	7.2761E-14	-0.25189	hypo	sig	chr15_62165684
chr14	60511384	60511384	+	5.629E-15	7.2794E-14	0.201876	hyper	sig	chr14_60511384
chr18	35950404	35950404	+	5.634E-15	7.2854E-14	0.219235	hyper	sig	chr18_35950404
chr2	1.55E+08	154698788	+	5.635E-15	7.2866E-14	0.214318	hyper	sig	chr2_154698788
chr16	643166	643166	+	5.635E-15	7.2867E-14	-0.27203	hypo	sig	chr16_643166
chr17	61405548	61405548	+	5.638E-15	7.2902E-14	0.271099	hyper	sig	chr17_61405548
chr20	64053131	64053131	+	5.638E-15	7.2906E-14	-0.24963	hypo	sig	chr20_64053131
chr19	53978340	53978340	+	5.64E-15	7.2921E-14	0.360922	hyper	sig	chr19_53978340
chr4	1154626	1154626	+	5.645E-15	7.299E-14	-0.2309	hypo	sig	chr4_1154626
chr9	37030253	37030253	+	5.648E-15	7.3024E-14	0.20838	hyper	sig	chr9_37030253
chr5	88678082	88678082	+	5.65E-15	7.3058E-14	0.221333	hyper	sig	chr5_88678082
chr15	69298513	69298513	+	5.651E-15	7.3065E-14	0.250722	hyper	sig	chr15_69298513
chr7	1.51E+08	151366546	+	5.651E-15	7.3067E-14	0.302691	hyper	sig	chr7_151366546
chr20	23048253	23048253	+	5.651E-15	7.3067E-14	0.228983	hyper	sig	chr20_23048253
chr12	1834723	1834723	+	5.654E-15	7.3099E-14	-0.34964	hypo	sig	chr12_1834723
chr2	469816	469816	+	5.658E-15	7.315E-14	-0.2205	hypo	sig	chr2_469816
chr16	84667971	84667971	+	5.665E-15	7.3238E-14	0.25263	hyper	sig	chr16_84667971
chr5	3597695	3597695	+	5.667E-15	7.3259E-14	0.311707	hyper	sig	chr5_3597695
chr13	21319398	21319398	+	5.669E-15	7.3279E-14	0.281744	hyper	sig	chr13_21319398
chr16	34160980	34160980	+	5.673E-15	7.334E-14	0.293849	hyper	sig	chr16_34160980
chr15	89913387	89913387	+	5.674E-15	7.3343E-14	-0.22629	hypo	sig	chr15_89913387
chr12	1.3E+08	130432427	+	5.675E-15	7.3366E-14	-0.25407	hypo	sig	chr12_130432427
chr16	3193433	3193433	+	5.677E-15	7.3384E-14	0.258865	hyper	sig	chr16_3193433
chr1	2.43E+08	242524074	+	5.681E-15	7.3429E-14	0.333333	hyper	sig	chr1_242524074
chr2	1742435	1742435	+	5.682E-15	7.3449E-14	0.242682	hyper	sig	chr2_1742435
chr2	74648350	74648350	+	5.682E-15	7.3449E-14	0.310065	hyper	sig	chr2_74648350
chr6	30207068	30207068	+	5.685E-15	7.3483E-14	-0.24704	hypo	sig	chr6_30207068
chr12	33438577	33438577	+	5.688E-15	7.3517E-14	0.295941	hyper	sig	chr12_33438577
chr1	1325984	1325984	+	5.689E-15	7.3528E-14	-0.24189	hypo	sig	chr1_1325984
chr17	29003762	29003762	+	5.691E-15	7.355E-14	-0.30941	hypo	sig	chr17_29003762
chr15	45378393	45378393	+	5.691E-15	7.3555E-14	0.205188	hyper	sig	chr15_45378393
chr16	52935321	52935321	+	5.693E-15	7.358E-14	-0.29036	hypo	sig	chr16_52935321
chr17	7740507	7740507	+	5.694E-15	7.3589E-14	-0.28642	hypo	sig	chr17_7740507
chr12	52258806	52258806	+	5.697E-15	7.3625E-14	0.288521	hyper	sig	chr12_52258806
chr15	99106511	99106511	+	5.698E-15	7.3641E-14	0.221497	hyper	sig	chr15_99106511
chr1	2496614	2496614	+	5.7E-15	7.3668E-14	-0.33375	hypo	sig	chr1_2496614

chr12	46832472	46832472	+	5.702E-15	7.3687E-14	0.242726	hyper	sig	chr12_46832472
chr1	2E+08	200042285	+	5.705E-15	7.3728E-14	0.226778	hyper	sig	chr1_200042285
chr1	14929985	14929985	+	5.708E-15	7.3756E-14	-0.24351	hypo	sig	chr1_14929985
chr1	1.57E+08	156844720	+	5.708E-15	7.3762E-14	0.234012	hyper	sig	chr1_156844720
chr16	85256509	85256509	+	5.709E-15	7.3774E-14	-0.25773	hypo	sig	chr16_85256509
chr7	19145585	19145585	+	5.712E-15	7.3813E-14	0.202311	hyper	sig	chr7_19145585
chr17	49965387	49965387	+	5.718E-15	7.3884E-14	0.23389	hyper	sig	chr17_49965387
chr12	47756080	47756080	+	5.722E-15	7.3935E-14	-0.25956	hypo	sig	chr12_47756080
chr17	29209212	29209212	+	5.722E-15	7.3935E-14	-0.21644	hypo	sig	chr17_29209212
chr14	78169562	78169562	+	5.723E-15	7.3946E-14	-0.20982	hypo	sig	chr14_78169562
chr17	8327483	8327483	+	5.726E-15	7.3984E-14	0.290271	hyper	sig	chr17_8327483
chr4	54101261	54101261	+	5.728E-15	7.4005E-14	0.271004	hyper	sig	chr4_54101261
chr19	53058116	53058116	+	5.732E-15	7.4051E-14	0.306881	hyper	sig	chr19_53058116
chr8	1195840	1195840	+	5.737E-15	7.4114E-14	0.214659	hyper	sig	chr8_1195840
chr7	97024455	97024455	+	5.737E-15	7.4117E-14	0.248697	hyper	sig	chr7_97024455
chr10	683539	683539	+	5.739E-15	7.4137E-14	0.211775	hyper	sig	chr10_683539
chr18	47248601	47248601	+	5.741E-15	7.4166E-14	0.266823	hyper	sig	chr18_47248601
chr12	49961580	49961580	+	5.743E-15	7.4196E-14	0.253373	hyper	sig	chr12_49961580
chr15	25242967	25242967	+	5.744E-15	7.4203E-14	-0.25073	hypo	sig	chr15_25242967
chr17	64778149	64778149	+	5.75E-15	7.4281E-14	0.252869	hyper	sig	chr17_64778149
chr5	1.41E+08	141419364	+	5.751E-15	7.4285E-14	0.287231	hyper	sig	chr5_141419364
chr6	70957428	70957428	+	5.753E-15	7.4312E-14	0.239089	hyper	sig	chr6_70957428
chr10	77939854	77939854	+	5.756E-15	7.435E-14	0.222262	hyper	sig	chr10_77939854
chr8	1200453	1200453	+	5.769E-15	7.452E-14	0.230556	hyper	sig	chr8_1200453
chr14	23371895	23371895	+	5.771E-15	7.4538E-14	-0.21811	hypo	sig	chr14_23371895
chr8	25001446	25001446	+	5.776E-15	7.4607E-14	0.21664	hyper	sig	chr8_25001446
chr7	31516975	31516975	+	5.777E-15	7.4617E-14	-0.26898	hypo	sig	chr7_31516975
chr11	46295910	46295910	+	5.777E-15	7.4619E-14	0.331027	hyper	sig	chr11_46295910
chr6	1.1E+08	109979015	+	5.778E-15	7.4628E-14	0.222149	hyper	sig	chr6_109979015
chr7	1.51E+08	150976924	+	5.78E-15	7.4651E-14	0.312616	hyper	sig	chr7_150976924
chr1	1.19E+08	118985607	+	5.781E-15	7.4662E-14	0.382148	hyper	sig	chr1_118985607
chr13	1.11E+08	111116053	+	5.782E-15	7.4679E-14	0.219144	hyper	sig	chr13_111116053
chr12	4910176	4910176	+	5.784E-15	7.4697E-14	0.360541	hyper	sig	chr12_4910176
chr11	13008149	13008149	+	5.786E-15	7.4715E-14	-0.24146	hypo	sig	chr11_13008149
chr14	94773041	94773041	+	5.787E-15	7.4725E-14	0.293824	hyper	sig	chr14_94773041
chr10	75405188	75405188	+	5.787E-15	7.4728E-14	-0.24187	hypo	sig	chr10_75405188
chr19	2513649	2513649	+	5.788E-15	7.4742E-14	-0.28452	hypo	sig	chr19_2513649
chr15	83379533	83379533	+	5.789E-15	7.4753E-14	0.270436	hyper	sig	chr15_83379533
chr1	21814531	21814531	+	5.789E-15	7.4756E-14	0.239626	hyper	sig	chr1_21814531
chr15	78749192	78749192	+	5.789E-15	7.4756E-14	-0.22578	hypo	sig	chr15_78749192
chr11	1.13E+08	112962279	+	5.792E-15	7.4788E-14	0.206941	hyper	sig	chr11_112962279
chr5	2754642	2754642	+	5.794E-15	7.481E-14	0.234362	hyper	sig	chr5_2754642
chr2	2.19E+08	218872727	+	5.811E-15	7.5026E-14	0.259238	hyper	sig	chr2_218872727
chr5	63960490	63960490	+	5.811E-15	7.5033E-14	0.260444	hyper	sig	chr5_63960490
chr20	38721217	38721217	+	5.812E-15	7.5037E-14	0.280304	hyper	sig	chr20_38721217
chr2	27381156	27381156	+	5.816E-15	7.5088E-14	0.248173	hyper	sig	chr2_27381156
chr2	2.22E+08	222295723	+	5.818E-15	7.5114E-14	0.241622	hyper	sig	chr2_222295723
chr5	2702403	2702403	+	5.82E-15	7.514E-14	-0.24966	hypo	sig	chr5_2702403
chr13	99989238	99989238	+	5.82E-15	7.5143E-14	0.280276	hyper	sig	chr13_99989238
chr17	76915447	76915447	+	5.825E-15	7.5201E-14	-0.26463	hypo	sig	chr17_76915447
chr3	1.82E+08	181723586	+	5.825E-15	7.5203E-14	0.325086	hyper	sig	chr3_181723586
chr20	21514326	21514326	+	5.826E-15	7.5214E-14	0.240423	hyper	sig	chr20_21514326
chr8	26040896	26040896	+	5.828E-15	7.5236E-14	0.249114	hyper	sig	chr8_26040896
chr2	3637840	3637840	+	5.83E-15	7.5257E-14	-0.24434	hypo	sig	chr2_3637840
chr4	9781774	9781774	+	5.84E-15	7.5383E-14	0.261901	hyper	sig	chr4_9781774
chr5	1.73E+08	173244553	+	5.846E-15	7.5463E-14	0.28754	hyper	sig	chr5_173244553

chr1	22451134	22451134	+	5.849E-15	7.5495E-14	-0.20141	hypo	sig	chr1_22451134
chr10	77781882	77781882	+	5.85E-15	7.551E-14	0.203542	hyper	sig	chr10_77781882
chr10	69570596	69570596	+	5.852E-15	7.5539E-14	0.23515	hyper	sig	chr10_69570596
chr7	47049580	47049580	+	5.853E-15	7.5552E-14	-0.2139	hypo	sig	chr7_47049580
chr21	45030122	45030122	+	5.855E-15	7.5573E-14	-0.28979	hypo	sig	chr21_45030122
chr16	67649798	67649798	+	5.858E-15	7.5611E-14	0.230915	hyper	sig	chr16_67649798
chr1	1.48E+08	148309511	+	5.86E-15	7.5629E-14	0.207283	hyper	sig	chr1_148309511
chr8	84183867	84183867	+	5.861E-15	7.5646E-14	0.2683	hyper	sig	chr8_84183867
chr7	1.58E+08	157577542	+	5.866E-15	7.5701E-14	-0.22369	hypo	sig	chr7_157577542
chr17	299669	299669	+	5.869E-15	7.5739E-14	0.224674	hyper	sig	chr17_299669
chr3	1.29E+08	128507656	+	5.873E-15	7.5791E-14	-0.21084	hypo	sig	chr3_128507656
chr4	1.69E+08	168833346	+	5.873E-15	7.5795E-14	0.252374	hyper	sig	chr4_168833346
chr1	65792766	65792766	+	5.876E-15	7.5829E-14	0.222708	hyper	sig	chr1_65792766
chr5	1.7E+08	169637656	+	5.876E-15	7.5832E-14	0.28931	hyper	sig	chr5_169637656
chr17	42784673	42784673	+	5.877E-15	7.584E-14	0.252918	hyper	sig	chr17_42784673
chr2	96527515	96527515	+	5.879E-15	7.5867E-14	0.268673	hyper	sig	chr2_96527515
chr17	65558334	65558334	+	5.88E-15	7.5875E-14	-0.27517	hypo	sig	chr17_65558334
chr1	29123057	29123057	+	5.882E-15	7.5895E-14	0.293742	hyper	sig	chr1_29123057
chr1	2.45E+08	245363879	+	5.883E-15	7.5912E-14	-0.24083	hypo	sig	chr1_245363879
chr13	99971980	99971980	+	5.888E-15	7.5971E-14	0.283597	hyper	sig	chr13_99971980
chr7	54957124	54957124	+	5.889E-15	7.5983E-14	-0.27186	hypo	sig	chr7_54957124
chr7	70631278	70631278	+	5.901E-15	7.6137E-14	0.273731	hyper	sig	chr7_70631278
chr20	768692	768692	+	5.905E-15	7.6181E-14	-0.28363	hypo	sig	chr20_768692
chr12	41189949	41189949	+	5.909E-15	7.6238E-14	0.224387	hyper	sig	chr12_41189949
chr7	1.59E+08	158999506	+	5.915E-15	7.6301E-14	-0.20517	hypo	sig	chr7_158999506
chr8	12811603	12811603	+	5.92E-15	7.6367E-14	-0.28694	hypo	sig	chr8_12811603
chr13	1.12E+08	112057658	+	5.921E-15	7.6379E-14	0.277473	hyper	sig	chr13_112057658
chr12	1.25E+08	124543783	+	5.924E-15	7.6413E-14	0.251324	hyper	sig	chr12_124543783
chr17	17901426	17901426	+	5.927E-15	7.6451E-14	-0.21314	hypo	sig	chr17_17901426
chr3	1.41E+08	141095241	+	5.927E-15	7.6451E-14	0.237635	hyper	sig	chr3_141095241
chr1	1.48E+08	148160520	+	5.928E-15	7.6471E-14	0.301851	hyper	sig	chr1_148160520
chr7	96992892	96992892	+	5.932E-15	7.6516E-14	0.391636	hyper	sig	chr7_96992892
chr1	1.19E+08	119008360	+	5.933E-15	7.6527E-14	0.33245	hyper	sig	chr1_119008360
chr1	3565116	3565116	+	5.938E-15	7.6588E-14	-0.32343	hypo	sig	chr1_3565116
chr4	1.11E+08	110639302	+	5.941E-15	7.6629E-14	0.358766	hyper	sig	chr4_110639302
chr10	90857260	90857260	+	5.943E-15	7.6646E-14	0.307356	hyper	sig	chr10_90857260
chr8	96145596	96145596	+	5.943E-15	7.6647E-14	0.33913	hyper	sig	chr8_96145596
chr19	8599304	8599304	+	5.948E-15	7.6712E-14	-0.29291	hypo	sig	chr19_8599304
chr10	23195139	23195139	+	5.955E-15	7.6804E-14	0.324616	hyper	sig	chr10_23195139
chr7	1.05E+08	105304820	+	5.959E-15	7.6848E-14	-0.22018	hypo	sig	chr7_105304820
chr3	1.47E+08	147422357	+	5.96E-15	7.6851E-14	0.232091	hyper	sig	chr3_147422357
chr11	19346074	19346074	+	5.964E-15	7.6909E-14	0.237524	hyper	sig	chr11_19346074
chr17	78854174	78854174	+	5.964E-15	7.6909E-14	-0.20045	hypo	sig	chr17_78854174
chr7	1027608	1027608	+	5.966E-15	7.6929E-14	0.254544	hyper	sig	chr7_1027608
chr12	63821900	63821900	+	5.97E-15	7.6979E-14	0.263833	hyper	sig	chr12_63821900
chr11	30584157	30584157	+	5.972E-15	7.7009E-14	0.324261	hyper	sig	chr11_30584157
chr2	2.39E+08	239308734	+	5.976E-15	7.7049E-14	0.336535	hyper	sig	chr2_239308734
chr5	1.36E+08	136357423	+	5.982E-15	7.7129E-14	-0.20012	hypo	sig	chr5_136357423
chr7	1.13E+08	113086545	+	5.996E-15	7.7299E-14	0.239336	hyper	sig	chr7_113086545
chr2	2.18E+08	218316808	+	5.997E-15	7.732E-14	-0.22358	hypo	sig	chr2_218316808
chr1	85578439	85578439	+	6.007E-15	7.7446E-14	0.240531	hyper	sig	chr1_85578439
chr11	45650638	45650638	+	6.01E-15	7.7476E-14	-0.28629	hypo	sig	chr11_45650638
chr16	86516072	86516072	+	6.011E-15	7.7488E-14	0.238793	hyper	sig	chr16_86516072
chr7	1331125	1331125	+	6.014E-15	7.7533E-14	0.268494	hyper	sig	chr7_1331125
chr4	1.09E+08	109302694	+	6.016E-15	7.7545E-14	0.277885	hyper	sig	chr4_109302694
chr14	1.01E+08	100826763	+	6.016E-15	7.7554E-14	0.255695	hyper	sig	chr14_100826763

chr20	6040993	6040993	+	6.025E-15	7.7663E-14	0.213236	hyper	sig	chr20_6040993
chr10	1.05E+08	104642666	+	6.026E-15	7.7672E-14	0.235018	hyper	sig	chr10_104642666
chr13	1.13E+08	112659674	+	6.034E-15	7.7776E-14	-0.25894	hypo	sig	chr13_112659674
chr7	25952102	25952102	+	6.035E-15	7.7785E-14	-0.26626	hypo	sig	chr7_25952102
chr2	2.19E+08	218984474	+	6.039E-15	7.7831E-14	0.252465	hyper	sig	chr2_218984474
chr2	1.28E+08	127681744	+	6.041E-15	7.7864E-14	0.246723	hyper	sig	chr2_127681744
chr19	345280	345280	+	6.047E-15	7.793E-14	0.276377	hyper	sig	chr19_345280
chr8	10731550	10731550	+	6.047E-15	7.794E-14	0.267364	hyper	sig	chr8_10731550
chr4	78181532	78181532	+	6.051E-15	7.7983E-14	-0.31269	hypo	sig	chr4_78181532
chr8	1.43E+08	142700262	+	6.052E-15	7.8E-14	0.309996	hyper	sig	chr8_142700262
chr16	88316100	88316100	+	6.054E-15	7.8018E-14	-0.27167	hypo	sig	chr16_88316100
chr6	1.66E+08	165662077	+	6.058E-15	7.8071E-14	0.267584	hyper	sig	chr6_165662077
chr17	28982470	28982470	+	6.063E-15	7.813E-14	-0.23298	hypo	sig	chr17_28982470
chr8	26043932	26043932	+	6.067E-15	7.8179E-14	0.202882	hyper	sig	chr8_26043932
chr14	1.04E+08	104213768	+	6.069E-15	7.8212E-14	-0.31171	hypo	sig	chr14_104213768
chr8	1.43E+08	143088855	+	6.071E-15	7.8233E-14	-0.21151	hypo	sig	chr8_143088855
chr5	1.71E+08	171307874	+	6.075E-15	7.8283E-14	0.283502	hyper	sig	chr5_171307874
chr1	90720402	90720402	+	6.076E-15	7.8293E-14	0.294423	hyper	sig	chr1_90720402
chr19	56642698	56642698	+	6.076E-15	7.8293E-14	0.286324	hyper	sig	chr19_56642698
chr3	50193137	50193137	+	6.079E-15	7.8322E-14	0.272534	hyper	sig	chr3_50193137
chr1	1.81E+08	181318581	+	6.08E-15	7.8336E-14	0.219105	hyper	sig	chr1_181318581
chr4	52077055	52077055	+	6.081E-15	7.8352E-14	0.276609	hyper	sig	chr4_52077055
chr1	1.19E+08	118989385	+	6.084E-15	7.839E-14	0.269827	hyper	sig	chr1_118989385
chr4	11427907	11427907	+	6.087E-15	7.8421E-14	0.233226	hyper	sig	chr4_11427907
chr9	1.28E+08	128233849	+	6.087E-15	7.8421E-14	-0.31292	hypo	sig	chr9_128233849
chr12	52007664	52007664	+	6.088E-15	7.8436E-14	0.215815	hyper	sig	chr12_52007664
chr2	418573	418573	+	6.095E-15	7.8527E-14	-0.21964	hypo	sig	chr2_418573
chr5	73444813	73444813	+	6.096E-15	7.8527E-14	0.259243	hyper	sig	chr5_73444813
chr22	23580191	23580191	+	6.096E-15	7.8535E-14	-0.21585	hypo	sig	chr22_23580191
chr2	2.39E+08	239312933	+	6.096E-15	7.8536E-14	0.23796	hyper	sig	chr2_239312933
chr12	65729036	65729036	+	6.098E-15	7.8556E-14	0.230445	hyper	sig	chr12_65729036
chr1	1.51E+08	150982181	+	6.098E-15	7.8558E-14	-0.28676	hypo	sig	chr1_150982181
chr6	6004664	6004664	+	6.098E-15	7.8558E-14	0.209073	hyper	sig	chr6_6004664
chr10	1.33E+08	132803709	+	6.099E-15	7.8565E-14	-0.23961	hypo	sig	chr10_132803709
chr19	53255202	53255202	+	6.1E-15	7.857E-14	0.299683	hyper	sig	chr19_53255202
chr11	31799774	31799774	+	6.101E-15	7.859E-14	0.25197	hyper	sig	chr11_31799774
chr16	49278165	49278165	+	6.104E-15	7.8619E-14	0.276596	hyper	sig	chr16_49278165
chr8	1.41E+08	141223299	+	6.109E-15	7.8692E-14	-0.22467	hypo	sig	chr8_141223299
chr11	46295913	46295913	+	6.11E-15	7.8695E-14	0.336341	hyper	sig	chr11_46295913
chr10	34974240	34974240	+	6.111E-15	7.8706E-14	-0.28905	hypo	sig	chr10_34974240
chr3	1.47E+08	147422331	+	6.112E-15	7.8715E-14	0.240658	hyper	sig	chr3_147422331
chr1	12150787	12150787	+	6.115E-15	7.8759E-14	-0.2329	hypo	sig	chr1_12150787
chr16	67169469	67169469	+	6.116E-15	7.8767E-14	0.283498	hyper	sig	chr16_67169469
chr14	1.05E+08	105478376	+	6.12E-15	7.882E-14	-0.26053	hypo	sig	chr14_105478376
chr19	40226359	40226359	+	6.121E-15	7.8826E-14	0.245037	hyper	sig	chr19_40226359
chr3	1.88E+08	187670309	+	6.121E-15	7.8831E-14	0.207238	hyper	sig	chr3_187670309
chr12	1.26E+08	126191068	+	6.122E-15	7.8845E-14	0.256881	hyper	sig	chr12_126191068
chr2	11785249	11785249	+	6.124E-15	7.8863E-14	0.23061	hyper	sig	chr2_11785249
chr14	55241071	55241071	+	6.125E-15	7.8877E-14	0.300361	hyper	sig	chr14_55241071
chr10	3173813	3173813	+	6.13E-15	7.8943E-14	-0.223	hypo	sig	chr10_3173813
chr2	73983817	73983817	+	6.131E-15	7.895E-14	-0.21532	hypo	sig	chr2_73983817
chr4	1.57E+08	157075927	+	6.133E-15	7.8974E-14	0.301164	hyper	sig	chr4_157075927
chr7	35257443	35257443	+	6.137E-15	7.9024E-14	0.201809	hyper	sig	chr7_35257443
chr9	88992145	88992145	+	6.138E-15	7.9034E-14	0.230364	hyper	sig	chr9_88992145
chr15	95327083	95327083	+	6.141E-15	7.9071E-14	0.25785	hyper	sig	chr15_95327083
chr8	1.4E+08	140098995	+	6.141E-15	7.9078E-14	0.242209	hyper	sig	chr8_140098995

chr10	1.01E+08	101146893	+	6.147E-15	7.9149E-14	0.36778	hyper	sig	chr10_101146893
chr13	99997235	99997235	+	6.15E-15	7.9187E-14	0.272075	hyper	sig	chr13_99997235
chr14	28774051	28774051	+	6.151E-15	7.9195E-14	0.287267	hyper	sig	chr14_28774051
chr12	1.31E+08	131124859	+	6.154E-15	7.924E-14	-0.33029	hypo	sig	chr12_131124859
chr12	1.09E+08	109154166	+	6.157E-15	7.9269E-14	0.22557	hyper	sig	chr12_109154166
chr17	48571140	48571140	+	6.158E-15	7.9281E-14	0.253604	hyper	sig	chr17_48571140
chr4	4872336	4872336	+	6.16E-15	7.9311E-14	0.238783	hyper	sig	chr4_4872336
chr12	1.14E+08	114398950	+	6.163E-15	7.9339E-14	0.248045	hyper	sig	chr12_114398950
chr7	1669023	1669023	+	6.166E-15	7.9382E-14	-0.2705	hypo	sig	chr7_1669023
chr2	1.74E+08	174328713	+	6.169E-15	7.9412E-14	0.20677	hyper	sig	chr2_174328713
chr11	8169179	8169179	+	6.169E-15	7.9418E-14	0.235017	hyper	sig	chr11_8169179
chr4	1099850	1099850	+	6.17E-15	7.9426E-14	-0.22225	hypo	sig	chr4_1099850
chr1	91546536	91546536	+	6.171E-15	7.9438E-14	-0.2258	hypo	sig	chr1_91546536
chr6	77463465	77463465	+	6.175E-15	7.9483E-14	0.274093	hyper	sig	chr6_77463465
chr6	32166971	32166971	+	6.176E-15	7.9493E-14	0.200856	hyper	sig	chr6_32166971
chr1	1.21E+08	121115389	+	6.176E-15	7.9498E-14	-0.3138	hypo	sig	chr1_121115389
chr17	57874728	57874728	+	6.181E-15	7.9566E-14	0.24119	hyper	sig	chr17_57874728
chr4	1.22E+08	121763736	+	6.184E-15	7.9598E-14	-0.26755	hypo	sig	chr4_121763736
chr1	24927604	24927604	+	6.185E-15	7.9611E-14	0.270978	hyper	sig	chr1_24927604
chr19	52536039	52536039	+	6.186E-15	7.9623E-14	0.303191	hyper	sig	chr19_52536039
chr20	2694497	2694497	+	6.195E-15	7.973E-14	-0.31864	hypo	sig	chr20_2694497
chr16	51113930	51113930	+	6.195E-15	7.9731E-14	0.298819	hyper	sig	chr16_51113930
chr2	2.41E+08	241161891	+	6.196E-15	7.9752E-14	0.2834	hyper	sig	chr2_241161891
chr19	58367724	58367724	+	6.199E-15	7.9786E-14	0.252684	hyper	sig	chr19_58367724
chr1	10530402	10530402	+	6.2E-15	7.9791E-14	0.350425	hyper	sig	chr1_10530402
chr17	6894357	6894357	+	6.2E-15	7.9791E-14	0.213393	hyper	sig	chr17_6894357
chr7	19106585	19106585	+	6.201E-15	7.9809E-14	0.232149	hyper	sig	chr7_19106585
chr3	1.43E+08	143121203	+	6.202E-15	7.9811E-14	0.242449	hyper	sig	chr3_143121203
chr11	1.34E+08	133955765	+	6.202E-15	7.9811E-14	0.300175	hyper	sig	chr11_133955765
chr18	14999812	14999812	+	6.202E-15	7.9812E-14	0.288579	hyper	sig	chr18_14999812
chr1	1.19E+08	118986617	+	6.207E-15	7.9874E-14	0.266752	hyper	sig	chr1_118986617
chr1	1.57E+08	156849254	+	6.214E-15	7.9957E-14	0.278069	hyper	sig	chr1_156849254
chr20	54475908	54475908	+	6.214E-15	7.9957E-14	0.327565	hyper	sig	chr20_54475908
chr7	1.51E+08	151014050	+	6.221E-15	8.0049E-14	0.267356	hyper	sig	chr7_151014050
chr14	1.03E+08	102580022	+	6.222E-15	8.0068E-14	0.251051	hyper	sig	chr14_102580022
chr8	1.42E+08	142489552	+	6.235E-15	8.0224E-14	-0.36329	hypo	sig	chr8_142489552
chr15	90992988	90992988	+	6.237E-15	8.025E-14	-0.26108	hypo	sig	chr15_90992988
chr18	10131833	10131833	+	6.237E-15	8.0253E-14	-0.20375	hypo	sig	chr18_10131833
chr5	1.41E+08	141422952	+	6.237E-15	8.0253E-14	0.293596	hyper	sig	chr5_141422952
chr11	95150233	95150233	+	6.239E-15	8.0268E-14	-0.26303	hypo	sig	chr11_95150233
chr7	1296441	1296441	+	6.239E-15	8.0268E-14	-0.28656	hypo	sig	chr7_1296441
chr8	71842321	71842321	+	6.245E-15	8.0342E-14	0.318992	hyper	sig	chr8_71842321
chr4	1.88E+08	187506762	+	6.245E-15	8.0351E-14	-0.29153	hypo	sig	chr4_187506762
chr10	95230846	95230846	+	6.246E-15	8.0354E-14	0.29684	hyper	sig	chr10_95230846
chr2	1.53E+08	153478151	+	6.247E-15	8.037E-14	0.222516	hyper	sig	chr2_153478151
chr2	1.05E+08	104842670	+	6.251E-15	8.0416E-14	0.3226	hyper	sig	chr2_104842670
chr1	1.51E+08	150975396	+	6.263E-15	8.0566E-14	0.21849	hyper	sig	chr1_150975396
chr17	28384805	28384805	+	6.266E-15	8.0611E-14	-0.26558	hypo	sig	chr17_28384805
chr12	1.3E+08	130161818	+	6.267E-15	8.0613E-14	0.226169	hyper	sig	chr12_130161818
chr6	98843501	98843501	+	6.268E-15	8.0625E-14	0.237417	hyper	sig	chr6_98843501
chr1	92481363	92481363	+	6.268E-15	8.0634E-14	0.331025	hyper	sig	chr1_92481363
chr19	3828613	3828613	+	6.271E-15	8.0667E-14	-0.2541	hypo	sig	chr19_3828613
chr3	62368052	62368052	+	6.274E-15	8.0702E-14	0.251049	hyper	sig	chr3_62368052
chr22	50206812	50206812	+	6.274E-15	8.0704E-14	0.307288	hyper	sig	chr22_50206812
chr5	1.77E+08	177400792	+	6.274E-15	8.0704E-14	0.320227	hyper	sig	chr5_177400792
chr14	36654800	36654800	+	6.281E-15	8.0787E-14	0.259899	hyper	sig	chr14_36654800

chr1	3651470	3651470	+	6.283E-15	8.0815E-14	0.247449	hyper	sig	chr1_3651470
chr8	1.43E+08	143417742	+	6.283E-15	8.0815E-14	-0.27382	hypo	sig	chr8_143417742
chr1	13798080	13798080	+	6.284E-15	8.0824E-14	-0.22991	hypo	sig	chr1_13798080
chr2	44930240	44930240	+	6.286E-15	8.0851E-14	0.254724	hyper	sig	chr2_44930240
chr2	2.41E+08	240868565	+	6.287E-15	8.0855E-14	-0.22625	hypo	sig	chr2_240868565
chr6	30172103	30172103	+	6.287E-15	8.0855E-14	0.290304	hyper	sig	chr6_30172103
chr2	1.61E+08	161427312	+	6.288E-15	8.0873E-14	0.246932	hyper	sig	chr2_161427312
chr14	64703540	64703540	+	6.292E-15	8.0923E-14	-0.26262	hypo	sig	chr14_64703540
chr19	45815256	45815256	+	6.294E-15	8.0941E-14	0.283433	hyper	sig	chr19_45815256
chr1	2.28E+08	227887993	+	6.299E-15	8.0997E-14	0.265679	hyper	sig	chr1_227887993
chr10	1.32E+08	132167103	+	6.299E-15	8.1E-14	-0.22926	hypo	sig	chr10_132167103
chr10	1.01E+08	101227589	+	6.3E-15	8.1015E-14	0.221457	hyper	sig	chr10_101227589
chr19	36152630	36152630	+	6.303E-15	8.1045E-14	0.317752	hyper	sig	chr19_36152630
chr3	62319328	62319328	+	6.303E-15	8.1046E-14	0.23811	hyper	sig	chr3_62319328
chr10	1.33E+08	132933453	+	6.304E-15	8.1056E-14	-0.21949	hypo	sig	chr10_132933453
chr22	48211252	48211252	+	6.306E-15	8.109E-14	-0.24711	hypo	sig	chr22_48211252
chr12	1.04E+08	104303793	+	6.308E-15	8.1104E-14	0.220497	hyper	sig	chr12_104303793
chr2	28344758	28344758	+	6.313E-15	8.1167E-14	-0.27767	hypo	sig	chr2_28344758
chr6	1.55E+08	155248355	+	6.314E-15	8.1176E-14	0.27348	hyper	sig	chr6_155248355
chr19	50908524	50908524	+	6.315E-15	8.119E-14	0.220524	hyper	sig	chr19_50908524
chr5	73444790	73444790	+	6.316E-15	8.1205E-14	0.278144	hyper	sig	chr5_73444790
chr2	1422515	1422515	+	6.317E-15	8.1221E-14	-0.21131	hypo	sig	chr2_1422515
chr7	486040	486040	+	6.321E-15	8.1265E-14	-0.26617	hypo	sig	chr7_486040
chr2	1307748	1307748	+	6.324E-15	8.1299E-14	-0.23898	hypo	sig	chr2_1307748
chr19	36421901	36421901	+	6.324E-15	8.13E-14	0.27029	hyper	sig	chr19_36421901
chr1	2.46E+08	245682841	+	6.326E-15	8.1325E-14	0.304662	hyper	sig	chr1_245682841
chr20	62283860	62283860	+	6.33E-15	8.1372E-14	-0.31582	hypo	sig	chr20_62283860
chr17	49965198	49965198	+	6.333E-15	8.1412E-14	0.220373	hyper	sig	chr17_49965198
chr5	1295682	1295682	+	6.334E-15	8.1427E-14	0.233473	hyper	sig	chr5_1295682
chr8	1666934	1666934	+	6.338E-15	8.147E-14	0.261373	hyper	sig	chr8_1666934
chr15	67826521	67826521	+	6.346E-15	8.1579E-14	0.377285	hyper	sig	chr15_67826521
chr5	3606476	3606476	+	6.362E-15	8.1779E-14	0.286031	hyper	sig	chr5_3606476
chr2	1.29E+08	128902156	+	6.369E-15	8.1869E-14	0.282322	hyper	sig	chr2_128902156
chr12	1.27E+08	127280788	+	6.37E-15	8.1882E-14	0.230792	hyper	sig	chr12_127280788
chr3	1.97E+08	196754744	+	6.373E-15	8.1913E-14	-0.22429	hypo	sig	chr3_196754744
chr3	1.47E+08	147413388	+	6.379E-15	8.1986E-14	0.233005	hyper	sig	chr3_147413388
chr11	4212298	4212298	+	6.38E-15	8.1995E-14	0.279279	hyper	sig	chr11_4212298
chr19	52336424	52336424	+	6.384E-15	8.2052E-14	0.210472	hyper	sig	chr19_52336424
chr8	67952342	67952342	+	6.387E-15	8.2086E-14	0.305797	hyper	sig	chr8_67952342
chr2	1.39E+08	138780140	+	6.389E-15	8.2105E-14	0.237258	hyper	sig	chr2_138780140
chr7	27206092	27206092	+	6.391E-15	8.2131E-14	-0.25394	hypo	sig	chr7_27206092
chr17	81136084	81136084	+	6.393E-15	8.2155E-14	-0.2276	hypo	sig	chr17_81136084
chr2	987950	987950	+	6.393E-15	8.2158E-14	-0.25946	hypo	sig	chr2_987950
chr19	11481221	11481221	+	6.393E-15	8.2162E-14	0.313674	hyper	sig	chr19_11481221
chr15	67830222	67830222	+	6.396E-15	8.2198E-14	0.259487	hyper	sig	chr15_67830222
chr17	43842309	43842309	+	6.4E-15	8.2246E-14	-0.34072	hypo	sig	chr17_43842309
chr17	48556342	48556342	+	6.402E-15	8.2259E-14	0.232266	hyper	sig	chr17_48556342
chr6	30464353	30464353	+	6.405E-15	8.2303E-14	0.32597	hyper	sig	chr6_30464353
chr5	1.8E+08	180301553	+	6.408E-15	8.2339E-14	-0.22489	hypo	sig	chr5_180301553
chr7	1.51E+08	151199458	+	6.411E-15	8.2369E-14	0.307708	hyper	sig	chr7_151199458
chr1	1.21E+08	121009656	+	6.422E-15	8.2508E-14	0.263977	hyper	sig	chr1_121009656
chr2	1.37E+08	136764787	+	6.422E-15	8.2509E-14	0.200107	hyper	sig	chr2_136764787
chr6	1.68E+08	168079118	+	6.423E-15	8.2519E-14	-0.29615	hypo	sig	chr6_168079118
chr4	7286003	7286003	+	6.424E-15	8.2533E-14	0.281491	hyper	sig	chr4_7286003
chr22	43891635	43891635	+	6.425E-15	8.2543E-14	0.277839	hyper	sig	chr22_43891635
chr1	1.83E+08	183186390	+	6.428E-15	8.2577E-14	-0.22498	hypo	sig	chr1_183186390

chr13	24328434	24328434	+	6.428E-15	8.2581E-14	0.21963	hyper	sig	chr13_24328434
chr15	52783308	52783308	+	6.431E-15	8.2613E-14	0.223316	hyper	sig	chr15_52783308
chr12	1.14E+08	114445511	+	6.431E-15	8.2621E-14	0.217366	hyper	sig	chr12_114445511
chr13	1.11E+08	111325021	+	6.433E-15	8.2643E-14	0.227302	hyper	sig	chr13_111325021
chr15	93028704	93028704	+	6.435E-15	8.2664E-14	0.296892	hyper	sig	chr15_93028704
chr12	1.32E+08	132445945	+	6.435E-15	8.2668E-14	-0.28287	hypo	sig	chr12_132445945
chr2	63055037	63055037	+	6.439E-15	8.2712E-14	0.26528	hyper	sig	chr2_63055037
chr1	3673470	3673470	+	6.44E-15	8.2719E-14	-0.31505	hypo	sig	chr1_3673470
chr10	26211766	26211766	+	6.441E-15	8.2733E-14	0.285388	hyper	sig	chr10_26211766
chr3	1.47E+08	147356286	+	6.448E-15	8.2827E-14	0.227672	hyper	sig	chr3_147356286
chr10	1.14E+08	114405090	+	6.451E-15	8.2858E-14	-0.20847	hypo	sig	chr10_114405090
chr17	7447094	7447094	+	6.451E-15	8.2858E-14	0.238486	hyper	sig	chr17_7447094
chr1	3366311	3366311	+	6.458E-15	8.2944E-14	0.239513	hyper	sig	chr1_3366311
chr1	1.68E+08	167635551	+	6.459E-15	8.2958E-14	0.213598	hyper	sig	chr1_167635551
chr20	58514949	58514949	+	6.46E-15	8.2972E-14	0.305444	hyper	sig	chr20_58514949
chr6	10389852	10389852	+	6.462E-15	8.2996E-14	0.321622	hyper	sig	chr6_10389852
chr17	77351688	77351688	+	6.462E-15	8.2999E-14	0.217069	hyper	sig	chr17_77351688
chr1	1942311	1942311	+	6.468E-15	8.3071E-14	-0.23792	hypo	sig	chr1_1942311
chr1	1.77E+08	177171461	+	6.471E-15	8.3114E-14	0.279189	hyper	sig	chr1_177171461
chr19	15181589	15181589	+	6.478E-15	8.3201E-14	-0.36941	hypo	sig	chr19_15181589
chr1	75133960	75133960	+	6.48E-15	8.3218E-14	0.200748	hyper	sig	chr1_75133960
chr11	1.32E+08	131910513	+	6.484E-15	8.3275E-14	0.279325	hyper	sig	chr11_131910513
chr6	1.6E+08	160006469	+	6.491E-15	8.3354E-14	0.235033	hyper	sig	chr6_160006469
chr1	63320196	63320196	+	6.493E-15	8.3379E-14	0.2896	hyper	sig	chr1_63320196
chr16	4664831	4664831	+	6.496E-15	8.3418E-14	-0.23505	hypo	sig	chr16_4664831
chr9	1.31E+08	130919134	+	6.497E-15	8.3427E-14	-0.25765	hypo	sig	chr9_130919134
chr7	63068221	63068221	+	6.5E-15	8.3473E-14	0.270302	hyper	sig	chr7_63068221
chr19	2278803	2278803	+	6.503E-15	8.3504E-14	-0.24556	hypo	sig	chr19_2278803
chr7	35259190	35259190	+	6.505E-15	8.3537E-14	0.318009	hyper	sig	chr7_35259190
chr1	1.61E+08	161259164	+	6.507E-15	8.3559E-14	0.224239	hyper	sig	chr1_161259164
chr10	1.25E+08	125000270	+	6.517E-15	8.3687E-14	0.227537	hyper	sig	chr10_125000270
chr16	86300353	86300353	+	6.52E-15	8.3714E-14	0.20301	hyper	sig	chr16_86300353
chr10	49612232	49612232	+	6.52E-15	8.3718E-14	0.308123	hyper	sig	chr10_49612232
chr3	14810886	14810886	+	6.522E-15	8.3741E-14	0.350765	hyper	sig	chr3_14810886
chr19	35449968	35449968	+	6.523E-15	8.3756E-14	-0.2787	hypo	sig	chr19_35449968
chr7	1.57E+08	157499314	+	6.525E-15	8.3771E-14	-0.23338	hypo	sig	chr7_157499314
chr19	42005579	42005579	+	6.527E-15	8.3797E-14	-0.27275	hypo	sig	chr19_42005579
chr16	56635762	56635762	+	6.531E-15	8.3854E-14	0.219528	hyper	sig	chr16_56635762
chr2	96642843	96642843	+	6.538E-15	8.3941E-14	0.233128	hyper	sig	chr2_96642843
chr2	469806	469806	+	6.544E-15	8.4007E-14	-0.21088	hypo	sig	chr2_469806
chr8	84183821	84183821	+	6.55E-15	8.4092E-14	0.258296	hyper	sig	chr8_84183821
chr6	1E+08	100449463	+	6.551E-15	8.4105E-14	0.271536	hyper	sig	chr6_100449463
chr11	70826853	70826853	+	6.552E-15	8.4108E-14	0.236055	hyper	sig	chr11_70826853
chr10	1.12E+08	112373511	+	6.556E-15	8.4165E-14	-0.21467	hypo	sig	chr10_112373511
chr9	1.34E+08	134011762	+	6.556E-15	8.4167E-14	-0.20263	hypo	sig	chr9_134011762
chr1	54999152	54999152	+	6.557E-15	8.4168E-14	-0.24747	hypo	sig	chr1_54999152
chr5	1.41E+08	141234523	+	6.558E-15	8.4182E-14	0.270095	hyper	sig	chr5_141234523
chr8	1.41E+08	141285140	+	6.558E-15	8.4182E-14	0.278386	hyper	sig	chr8_141285140
chr3	1.28E+08	128492045	+	6.558E-15	8.4185E-14	0.220054	hyper	sig	chr3_128492045
chr3	1.38E+08	137761829	+	6.559E-15	8.4189E-14	0.32271	hyper	sig	chr3_137761829
chr7	5357102	5357102	+	6.56E-15	8.4203E-14	0.227469	hyper	sig	chr7_5357102
chr16	89154179	89154179	+	6.56E-15	8.4209E-14	-0.23825	hypo	sig	chr16_89154179
chr8	1.43E+08	143461306	+	6.563E-15	8.4237E-14	-0.21784	hypo	sig	chr8_143461306
chr14	99792850	99792850	+	6.566E-15	8.4276E-14	0.257927	hyper	sig	chr14_99792850
chr2	2.4E+08	240322316	+	6.568E-15	8.43E-14	-0.28451	hypo	sig	chr2_240322316
chr12	80708734	80708734	+	6.57E-15	8.4325E-14	0.227817	hyper	sig	chr12_80708734

chr19	39517374	39517374	+	6.571E-15	8.4341E-14	-0.23606	hypo	sig	chr19_39517374
chr9	1.37E+08	136994732	+	6.572E-15	8.4348E-14	0.270529	hyper	sig	chr9_136994732
chr2	2.4E+08	239608803	+	6.572E-15	8.4349E-14	-0.25866	hypo	sig	chr2_239608803
chr5	1221665	1221665	+	6.572E-15	8.4349E-14	-0.23909	hypo	sig	chr5_1221665
chr3	35640124	35640124	+	6.583E-15	8.4491E-14	0.232537	hyper	sig	chr3_35640124
chr13	24328268	24328268	+	6.588E-15	8.4544E-14	0.239276	hyper	sig	chr13_24328268
chr11	65297497	65297497	+	6.589E-15	8.4564E-14	0.257866	hyper	sig	chr11_65297497
chr7	56448103	56448103	+	6.59E-15	8.457E-14	0.284018	hyper	sig	chr7_56448103
chr7	1.58E+08	157729746	+	6.592E-15	8.4595E-14	-0.34904	hypo	sig	chr7_157729746
chr21	42396133	42396133	+	6.605E-15	8.4763E-14	-0.25558	hypo	sig	chr21_42396133
chr10	1.33E+08	132832760	+	6.605E-15	8.4764E-14	0.228141	hyper	sig	chr10_132832760
chr8	41665279	41665279	+	6.61E-15	8.4816E-14	-0.24878	hypo	sig	chr8_41665279
chr18	48860082	48860082	+	6.612E-15	8.4843E-14	0.237474	hyper	sig	chr18_48860082
chr17	21452933	21452933	+	6.628E-15	8.5054E-14	0.235574	hyper	sig	chr17_21452933
chr19	48966708	48966708	+	6.629E-15	8.5065E-14	-0.2297	hypo	sig	chr19_48966708
chr8	1.43E+08	143155764	+	6.63E-15	8.507E-14	-0.3252	hypo	sig	chr8_143155764
chr10	97715649	97715649	+	6.633E-15	8.5112E-14	0.307794	hyper	sig	chr10_97715649
chr16	89834104	89834104	+	6.634E-15	8.5115E-14	-0.24863	hypo	sig	chr16_89834104
chr10	43667333	43667333	+	6.636E-15	8.5149E-14	0.259459	hyper	sig	chr10_43667333
chr16	55480466	55480466	+	6.639E-15	8.5177E-14	0.219601	hyper	sig	chr16_55480466
chr5	1.56E+08	155728968	+	6.639E-15	8.5178E-14	0.29285	hyper	sig	chr5_155728968
chr6	1.68E+08	168180804	+	6.64E-15	8.519E-14	-0.24751	hypo	sig	chr6_168180804
chr8	1.08E+08	108082114	+	6.642E-15	8.5219E-14	0.253451	hyper	sig	chr8_108082114
chr2	94878307	94878307	+	6.646E-15	8.5259E-14	-0.35825	hypo	sig	chr2_94878307
chr8	66178033	66178033	+	6.647E-15	8.5271E-14	0.244415	hyper	sig	chr8_66178033
chr3	62368073	62368073	+	6.647E-15	8.528E-14	0.243577	hyper	sig	chr3_62368073
chr9	34371382	34371382	+	6.65E-15	8.5313E-14	0.256154	hyper	sig	chr9_34371382
chr5	43037490	43037490	+	6.656E-15	8.5386E-14	0.244523	hyper	sig	chr5_43037490
chr10	1.3E+08	129525722	+	6.658E-15	8.5405E-14	0.212419	hyper	sig	chr10_129525722
chr2	1E+08	100417784	+	6.661E-15	8.5446E-14	0.227969	hyper	sig	chr2_100417784
chr20	36155170	36155170	+	6.664E-15	8.5488E-14	0.280976	hyper	sig	chr20_36155170
chr17	48725435	48725435	+	6.67E-15	8.5553E-14	0.253763	hyper	sig	chr17_48725435
chr6	90612594	90612594	+	6.671E-15	8.5563E-14	0.222248	hyper	sig	chr6_90612594
chr11	2826441	2826441	+	6.672E-15	8.5577E-14	0.251946	hyper	sig	chr11_2826441
chr8	1.44E+08	143732851	+	6.678E-15	8.5657E-14	-0.24381	hypo	sig	chr8_143732851
chr10	683249	683249	+	6.679E-15	8.5664E-14	0.259573	hyper	sig	chr10_683249
chr12	34399500	34399500	+	6.681E-15	8.5694E-14	-0.24458	hypo	sig	chr12_34399500
chr19	55406881	55406881	+	6.682E-15	8.57E-14	-0.22345	hypo	sig	chr19_55406881
chr16	1112573	1112573	+	6.683E-15	8.571E-14	-0.30395	hypo	sig	chr16_1112573
chr17	8347346	8347346	+	6.683E-15	8.5713E-14	0.237896	hyper	sig	chr17_8347346
chr13	1.12E+08	111901658	+	6.689E-15	8.5779E-14	-0.23568	hypo	sig	chr13_111901658
chr6	1.08E+08	108174181	+	6.69E-15	8.5798E-14	0.258902	hyper	sig	chr6_108174181
chr17	80192623	80192623	+	6.691E-15	8.5814E-14	0.292847	hyper	sig	chr17_80192623
chr6	32152996	32152996	+	6.693E-15	8.5831E-14	0.332783	hyper	sig	chr6_32152996
chr14	36663249	36663249	+	6.696E-15	8.5868E-14	0.200028	hyper	sig	chr14_36663249
chr11	67978854	67978854	+	6.698E-15	8.5887E-14	-0.22549	hypo	sig	chr11_67978854
chr8	1.19E+08	119207663	+	6.7E-15	8.5915E-14	-0.21283	hypo	sig	chr8_119207663
chr8	1.44E+08	144336128	+	6.701E-15	8.5925E-14	0.261345	hyper	sig	chr8_144336128
chr2	2.22E+08	222300175	+	6.705E-15	8.5967E-14	0.213604	hyper	sig	chr2_222300175
chr8	578473	578473	+	6.704E-15	8.5967E-14	-0.24521	hypo	sig	chr8_578473
chr1	2.36E+08	236065537	+	6.711E-15	8.6044E-14	0.208819	hyper	sig	chr1_236065537
chr16	86565613	86565613	+	6.716E-15	8.6111E-14	0.244798	hyper	sig	chr16_86565613
chr3	49658702	49658702	+	6.716E-15	8.6111E-14	-0.28238	hypo	sig	chr3_49658702
chr19	38303958	38303958	+	6.722E-15	8.6187E-14	-0.2119	hypo	sig	chr19_38303958
chr7	93043544	93043544	+	6.723E-15	8.6192E-14	0.224574	hyper	sig	chr7_93043544
chr8	26048076	26048076	+	6.724E-15	8.6211E-14	0.257094	hyper	sig	chr8_26048076

chr17	78187560	78187560	+	6.725E-15	8.6217E-14	-0.21218	hypo	sig	chr17_78187560
chr19	2253444	2253444	+	6.727E-15	8.6246E-14	0.224822	hyper	sig	chr19_2253444
chr2	2.19E+08	219331939	+	6.728E-15	8.6256E-14	0.293268	hyper	sig	chr2_219331939
chr10	1.17E+08	117133627	+	6.73E-15	8.6282E-14	0.284639	hyper	sig	chr10_117133627
chr11	2162222	2162222	+	6.732E-15	8.6299E-14	-0.32397	hypo	sig	chr11_2162222
chr10	1212038	1212038	+	6.737E-15	8.6364E-14	-0.32871	hypo	sig	chr10_1212038
chr19	6663885	6663885	+	6.74E-15	8.6401E-14	-0.25152	hypo	sig	chr19_6663885
chr2	2.22E+08	222298597	+	6.74E-15	8.6402E-14	0.202257	hyper	sig	chr2_222298597
chr4	1.72E+08	171813284	+	6.741E-15	8.6408E-14	0.263728	hyper	sig	chr4_171813284
chr7	1538627	1538627	+	6.744E-15	8.6442E-14	0.238918	hyper	sig	chr7_1538627
chr19	34905263	34905263	+	6.753E-15	8.6554E-14	0.316311	hyper	sig	chr19_34905263
chr16	49635953	49635953	+	6.754E-15	8.6569E-14	-0.2172	hypo	sig	chr16_49635953
chr5	1.41E+08	141383159	+	6.755E-15	8.6581E-14	0.233744	hyper	sig	chr5_141383159
chr9	95041719	95041719	+	6.755E-15	8.6584E-14	-0.24792	hypo	sig	chr9_95041719
chr15	41894320	41894320	+	6.756E-15	8.6592E-14	-0.24819	hypo	sig	chr15_41894320
chr16	67983116	67983116	+	6.763E-15	8.6671E-14	-0.24023	hypo	sig	chr16_67983116
chr10	1.01E+08	101047187	+	6.77E-15	8.6762E-14	0.237911	hyper	sig	chr10_101047187
chr8	23702496	23702496	+	6.771E-15	8.6776E-14	0.226812	hyper	sig	chr8_23702496
chr9	1.05E+08	104928465	+	6.774E-15	8.6806E-14	0.29449	hyper	sig	chr9_104928465
chr10	79222472	79222472	+	6.775E-15	8.6815E-14	0.244857	hyper	sig	chr10_79222472
chr2	1.98E+08	197786874	+	6.786E-15	8.696E-14	0.260029	hyper	sig	chr2_197786874
chr16	54940054	54940054	+	6.794E-15	8.7062E-14	0.245704	hyper	sig	chr16_54940054
chr1	52843524	52843524	+	6.796E-15	8.7082E-14	0.275065	hyper	sig	chr1_52843524
chr12	1.33E+08	132847683	+	6.797E-15	8.7082E-14	0.222016	hyper	sig	chr12_132847683
chr3	48739515	48739515	+	6.796E-15	8.7082E-14	-0.26925	hypo	sig	chr3_48739515
chr7	1.51E+08	151082254	+	6.796E-15	8.7082E-14	-0.25802	hypo	sig	chr7_151082254
chr13	1.12E+08	111622482	+	6.797E-15	8.7085E-14	-0.25803	hypo	sig	chr13_111622482
chr1	90725450	90725450	+	6.8E-15	8.712E-14	0.245931	hyper	sig	chr1_90725450
chr7	1.5E+08	150340880	+	6.801E-15	8.7133E-14	0.341174	hyper	sig	chr7_150340880
chr16	87603070	87603070	+	6.803E-15	8.7157E-14	0.224643	hyper	sig	chr16_87603070
chr16	974265	974265	+	6.804E-15	8.7172E-14	-0.30186	hypo	sig	chr16_974265
chr20	48371381	48371381	+	6.812E-15	8.7266E-14	-0.25	hypo	sig	chr20_48371381
chr6	79947171	79947171	+	6.813E-15	8.7284E-14	0.203942	hyper	sig	chr6_79947171
chr16	50674023	50674023	+	6.815E-15	8.7312E-14	0.325477	hyper	sig	chr16_50674023
chr11	1554370	1554370	+	6.819E-15	8.735E-14	-0.35273	hypo	sig	chr11_1554370
chr11	1.29E+08	128549385	+	6.823E-15	8.7406E-14	0.339209	hyper	sig	chr11_128549385
chr3	9136070	9136070	+	6.826E-15	8.7436E-14	0.310666	hyper	sig	chr3_9136070
chr9	1.33E+08	133121751	+	6.826E-15	8.7444E-14	-0.21508	hypo	sig	chr9_133121751
chr20	63394537	63394537	+	6.838E-15	8.7584E-14	0.266733	hyper	sig	chr20_63394537
chr20	38729402	38729402	+	6.842E-15	8.7636E-14	0.215741	hyper	sig	chr20_38729402
chr1	1.19E+08	118984385	+	6.844E-15	8.7666E-14	0.221751	hyper	sig	chr1_118984385
chr10	93060353	93060353	+	6.845E-15	8.7679E-14	0.304922	hyper	sig	chr10_93060353
chr1	1.57E+08	156647099	+	6.848E-15	8.7711E-14	0.265248	hyper	sig	chr1_156647099
chr14	37599173	37599173	+	6.852E-15	8.7763E-14	0.388702	hyper	sig	chr14_37599173
chr21	36697156	36697156	+	6.855E-15	8.7799E-14	0.224102	hyper	sig	chr21_36697156
chr2	950298	950298	+	6.856E-15	8.7805E-14	0.319365	hyper	sig	chr2_950298
chr19	5453223	5453223	+	6.856E-15	8.7813E-14	-0.23452	hypo	sig	chr19_5453223
chr7	30136648	30136648	+	6.856E-15	8.7813E-14	0.229836	hyper	sig	chr7_30136648
chr6	31355780	31355780	+	6.859E-15	8.7846E-14	-0.23235	hypo	sig	chr6_31355780
chr6	1.68E+08	168373095	+	6.87E-15	8.7986E-14	-0.26886	hypo	sig	chr6_168373095
chr1	17423681	17423681	+	6.873E-15	8.8022E-14	0.313223	hyper	sig	chr1_17423681
chr22	48487810	48487810	+	6.875E-15	8.8037E-14	-0.30589	hypo	sig	chr22_48487810
chr1	32464736	32464736	+	6.877E-15	8.8069E-14	0.224681	hyper	sig	chr1_32464736
chr7	8442746	8442746	+	6.877E-15	8.8069E-14	0.25025	hyper	sig	chr7_8442746
chr7	1315163	1315163	+	6.879E-15	8.8095E-14	-0.25302	hypo	sig	chr7_1315163
chr20	5314491	5314491	+	6.88E-15	8.8099E-14	-0.22281	hypo	sig	chr20_5314491

chr5	40066830	40066830	+	6.884E-15	8.8149E-14	-0.23703	hypo	sig	chr5_40066830
chr5	72108165	72108165	+	6.885E-15	8.816E-14	0.216184	hyper	sig	chr5_72108165
chr4	1.33E+08	133151604	+	6.895E-15	8.8292E-14	0.273159	hyper	sig	chr4_133151604
chr19	49196707	49196707	+	6.897E-15	8.831E-14	0.300184	hyper	sig	chr19_49196707
chr12	1.17E+08	116506417	+	6.9E-15	8.8344E-14	-0.30292	hypo	sig	chr12_116506417
chr12	1.14E+08	114439601	+	6.9E-15	8.8346E-14	0.27422	hyper	sig	chr12_114439601
chr8	1.4E+08	140360171	+	6.905E-15	8.8411E-14	0.245661	hyper	sig	chr8_140360171
chr1	1.56E+08	156496296	+	6.908E-15	8.8451E-14	0.267132	hyper	sig	chr1_156496296
chr16	67163651	67163651	+	6.914E-15	8.8522E-14	0.300582	hyper	sig	chr16_67163651
chr14	36523120	36523120	+	6.917E-15	8.8553E-14	0.34024	hyper	sig	chr14_36523120
chr6	30127455	30127455	+	6.919E-15	8.8582E-14	0.264377	hyper	sig	chr6_30127455
chr19	38813058	38813058	+	6.921E-15	8.8613E-14	-0.26861	hypo	sig	chr19_38813058
chr10	1.01E+08	101139600	+	6.922E-15	8.8617E-14	0.267449	hyper	sig	chr10_101139600
chr2	66445556	66445556	+	6.922E-15	8.8617E-14	0.229246	hyper	sig	chr2_66445556
chr20	40683375	40683375	+	6.922E-15	8.8617E-14	0.219574	hyper	sig	chr20_40683375
chr6	28988597	28988597	+	6.922E-15	8.8617E-14	0.200132	hyper	sig	chr6_28988597
chr7	1298648	1298648	+	6.922E-15	8.8617E-14	-0.26142	hypo	sig	chr7_1298648
chr6	73693382	73693382	+	6.925E-15	8.8648E-14	-0.32461	hypo	sig	chr6_73693382
chr11	8168892	8168892	+	6.927E-15	8.8668E-14	0.251923	hyper	sig	chr11_8168892
chr20	2691393	2691393	+	6.927E-15	8.8668E-14	-0.26982	hypo	sig	chr20_2691393
chr7	64045919	64045919	+	6.928E-15	8.8675E-14	0.246595	hyper	sig	chr7_64045919
chr3	42877294	42877294	+	6.929E-15	8.8693E-14	-0.23046	hypo	sig	chr3_42877294
chr3	62367756	62367756	+	6.93E-15	8.8704E-14	0.280629	hyper	sig	chr3_62367756
chr20	17315795	17315795	+	6.932E-15	8.8727E-14	0.208348	hyper	sig	chr20_17315795
chr1	2.07E+08	207495977	+	6.934E-15	8.8748E-14	0.245233	hyper	sig	chr1_207495977
chr22	48521354	48521354	+	6.937E-15	8.8786E-14	-0.26872	hypo	sig	chr22_48521354
chr5	1.78E+08	178078477	+	6.938E-15	8.8796E-14	-0.2669	hypo	sig	chr5_178078477
chr5	32713400	32713400	+	6.944E-15	8.8877E-14	0.305093	hyper	sig	chr5_32713400
chr9	1.24E+08	124015695	+	6.95E-15	8.8957E-14	0.342662	hyper	sig	chr9_124015695
chr7	1.5E+08	150221146	+	6.951E-15	8.8961E-14	0.238427	hyper	sig	chr7_150221146
chr18	904522	904522	+	6.951E-15	8.8963E-14	0.297847	hyper	sig	chr18_904522
chr4	54094092	54094092	+	6.952E-15	8.8973E-14	0.309125	hyper	sig	chr4_54094092
chr14	1.07E+08	106802799	+	6.952E-15	8.8975E-14	-0.25467	hypo	sig	chr14_106802799
chr3	1.28E+08	128492087	+	6.963E-15	8.911E-14	0.233539	hyper	sig	chr3_128492087
chr17	4595273	4595273	+	6.968E-15	8.9164E-14	-0.27348	hypo	sig	chr17_4595273
chr5	1.41E+08	140843396	+	6.968E-15	8.9164E-14	0.326344	hyper	sig	chr5_140843396
chr2	1.42E+08	142133131	+	6.97E-15	8.9189E-14	-0.32066	hypo	sig	chr2_142133131
chr7	86643908	86643908	+	6.971E-15	8.92E-14	0.220424	hyper	sig	chr7_86643908
chr11	2144402	2144402	+	6.972E-15	8.9209E-14	0.25754	hyper	sig	chr11_2144402
chr1	1.51E+08	150975384	+	6.976E-15	8.9269E-14	0.232538	hyper	sig	chr1_150975384
chr7	35186629	35186629	+	6.978E-15	8.9285E-14	0.241974	hyper	sig	chr7_35186629
chr19	18787639	18787639	+	6.979E-15	8.9302E-14	0.261281	hyper	sig	chr19_18787639
chr17	45429131	45429131	+	6.993E-15	8.9478E-14	0.23202	hyper	sig	chr17_45429131
chr3	1.97E+08	196650944	+	6.994E-15	8.9486E-14	-0.22865	hypo	sig	chr3_196650944
chr19	35849562	35849562	+	6.996E-15	8.9514E-14	-0.26168	hypo	sig	chr19_35849562
chr21	36712986	36712986	+	6.998E-15	8.9532E-14	0.251141	hyper	sig	chr21_36712986
chr19	5915086	5915086	+	7.005E-15	8.9622E-14	0.252736	hyper	sig	chr19_5915086
chr14	92688175	92688175	+	7.005E-15	8.9625E-14	0.356456	hyper	sig	chr14_92688175
chr1	44261271	44261271	+	7.011E-15	8.9695E-14	-0.24259	hypo	sig	chr1_44261271
chr8	1.44E+08	144416498	+	7.013E-15	8.9715E-14	-0.25232	hypo	sig	chr8_144416498
chr4	4872281	4872281	+	7.014E-15	8.9727E-14	0.245019	hyper	sig	chr4_4872281
chr14	23382030	23382030	+	7.016E-15	8.9751E-14	-0.25531	hypo	sig	chr14_23382030
chr3	1.47E+08	147404823	+	7.019E-15	8.9789E-14	0.249435	hyper	sig	chr3_147404823
chr2	2.36E+08	235677703	+	7.023E-15	8.9846E-14	-0.23396	hypo	sig	chr2_235677703
chr1	36176156	36176156	+	7.024E-15	8.9846E-14	0.328412	hyper	sig	chr1_36176156
chr20	29430966	29430966	+	7.029E-15	8.991E-14	0.306392	hyper	sig	chr20_29430966

chr2	20671356	20671356	+	7.032E-15	8.9948E-14	0.329632	hyper	sig	chr2_20671356
chr1	84691576	84691576	+	7.034E-15	8.9976E-14	-0.21871	hypo	sig	chr1_84691576
chr4	336374	336374	+	7.039E-15	9.0041E-14	0.236882	hyper	sig	chr4_336374
chr7	1455628	1455628	+	7.044E-15	9.0094E-14	-0.32318	hypo	sig	chr7_1455628
chr10	1.32E+08	131985916	+	7.045E-15	9.011E-14	-0.30493	hypo	sig	chr10_131985916
chr14	36507228	36507228	+	7.046E-15	9.0126E-14	0.263706	hyper	sig	chr14_36507228
chr7	1235957	1235957	+	7.047E-15	9.0132E-14	0.308491	hyper	sig	chr7_1235957
chr17	68198971	68198971	+	7.048E-15	9.0139E-14	0.204693	hyper	sig	chr17_68198971
chr10	1.17E+08	117132090	+	7.051E-15	9.0182E-14	0.289401	hyper	sig	chr10_117132090
chr4	1.47E+08	146637100	+	7.06E-15	9.0298E-14	0.311506	hyper	sig	chr4_146637100
chr8	70069863	70069863	+	7.064E-15	9.0343E-14	0.231893	hyper	sig	chr8_70069863
chr5	1.41E+08	141413929	+	7.07E-15	9.0425E-14	0.226287	hyper	sig	chr5_141413929
chr13	78607117	78607117	+	7.073E-15	9.045E-14	0.271915	hyper	sig	chr13_78607117
chr7	1.55E+08	155456358	+	7.078E-15	9.052E-14	0.236715	hyper	sig	chr7_155456358
chr6	10385258	10385258	+	7.079E-15	9.0524E-14	0.2865	hyper	sig	chr6_10385258
chr14	44912066	44912066	+	7.081E-15	9.0556E-14	0.278054	hyper	sig	chr14_44912066
chr18	37328687	37328687	+	7.081E-15	9.0556E-14	-0.24417	hypo	sig	chr18_37328687
chr7	1.54E+08	153749024	+	7.084E-15	9.0594E-14	0.370914	hyper	sig	chr7_153749024
chr4	7595876	7595876	+	7.09E-15	9.0658E-14	-0.27125	hypo	sig	chr4_7595876
chr11	1.25E+08	125494788	+	7.093E-15	9.0701E-14	0.271953	hyper	sig	chr11_125494788
chr5	1.59E+08	159104897	+	7.096E-15	9.0736E-14	0.307937	hyper	sig	chr5_159104897
chr2	2.32E+08	232459053	+	7.096E-15	9.0736E-14	0.277706	hyper	sig	chr2_232459053
chr8	98949317	98949317	+	7.103E-15	9.0823E-14	0.27193	hyper	sig	chr8_98949317
chr11	1.15E+08	115154947	+	7.103E-15	9.0825E-14	-0.25934	hypo	sig	chr11_115154947
chr6	77462675	77462675	+	7.111E-15	9.0918E-14	0.214267	hyper	sig	chr6_77462675
chr2	66445602	66445602	+	7.115E-15	9.0967E-14	0.219286	hyper	sig	chr2_66445602
chr6	84769091	84769091	+	7.116E-15	9.0978E-14	0.222479	hyper	sig	chr6_84769091
chr2	1.2E+08	120342079	+	7.116E-15	9.0983E-14	-0.27031	hypo	sig	chr2_120342079
chr15	76341102	76341102	+	7.117E-15	9.0994E-14	-0.23089	hypo	sig	chr15_76341102
chr16	85602214	85602214	+	7.124E-15	9.1079E-14	0.298769	hyper	sig	chr16_85602214
chr3	14810876	14810876	+	7.129E-15	9.1136E-14	0.288268	hyper	sig	chr3_14810876
chr1	1.19E+08	118983497	+	7.131E-15	9.1167E-14	0.311121	hyper	sig	chr1_118983497
chr2	1.73E+08	173416313	+	7.134E-15	9.1201E-14	0.236027	hyper	sig	chr2_173416313
chr18	905126	905126	+	7.138E-15	9.1246E-14	0.27318	hyper	sig	chr18_905126
chr8	1.4E+08	140098935	+	7.138E-15	9.1253E-14	0.217609	hyper	sig	chr8_140098935
chr10	1.32E+08	132232465	+	7.139E-15	9.1259E-14	-0.21175	hypo	sig	chr10_132232465
chr12	1.24E+08	123931822	+	7.141E-15	9.128E-14	-0.26987	hypo	sig	chr12_123931822
chr20	63004820	63004820	+	7.141E-15	9.128E-14	0.21017	hyper	sig	chr20_63004820
chr16	1205116	1205116	+	7.142E-15	9.1289E-14	-0.23742	hypo	sig	chr16_1205116
chr12	1.1E+08	110430135	+	7.143E-15	9.13E-14	-0.22745	hypo	sig	chr12_110430135
chr13	94706949	94706949	+	7.143E-15	9.1301E-14	0.220185	hyper	sig	chr13_94706949
chr12	53927578	53927578	+	7.145E-15	9.1321E-14	0.271881	hyper	sig	chr12_53927578
chr12	1.32E+08	132343778	+	7.146E-15	9.1332E-14	0.222636	hyper	sig	chr12_132343778
chr7	73607381	73607381	+	7.148E-15	9.1366E-14	0.364415	hyper	sig	chr7_73607381
chr11	1.3E+08	130428933	+	7.149E-15	9.1379E-14	0.255953	hyper	sig	chr11_130428933
chr11	85934730	85934730	+	7.152E-15	9.1412E-14	0.313935	hyper	sig	chr11_85934730
chr14	26205233	26205233	+	7.153E-15	9.1422E-14	0.309653	hyper	sig	chr14_26205233
chr13	30932638	30932638	+	7.158E-15	9.1477E-14	0.223321	hyper	sig	chr13_30932638
chr10	1.33E+08	133131287	+	7.158E-15	9.1486E-14	-0.22138	hypo	sig	chr10_133131287
chr9	13278444	13278444	+	7.159E-15	9.1498E-14	0.273831	hyper	sig	chr9_13278444
chr16	49275223	49275223	+	7.162E-15	9.153E-14	0.22927	hyper	sig	chr16_49275223
chr5	2643171	2643171	+	7.164E-15	9.1559E-14	0.266161	hyper	sig	chr5_2643171
chr20	63084553	63084553	+	7.166E-15	9.158E-14	-0.22796	hypo	sig	chr20_63084553
chr2	1.2E+08	119523952	+	7.172E-15	9.1651E-14	0.294823	hyper	sig	chr2_119523952
chr1	1.56E+08	156076684	+	7.172E-15	9.1655E-14	0.363051	hyper	sig	chr1_156076684
chr7	97017258	97017258	+	7.173E-15	9.1664E-14	0.237722	hyper	sig	chr7_97017258

chr7	56882531	56882531	+	7.175E-15	9.1684E-14	0.234714	hyper	sig	chr7_56882531
chr2	2.41E+08	240921523	+	7.18E-15	9.1748E-14	-0.29957	hypo	sig	chr2_240921523
chr3	1.58E+08	158095623	+	7.183E-15	9.1781E-14	0.24963	hyper	sig	chr3_158095623
chr6	10425392	10425392	+	7.183E-15	9.1781E-14	0.246409	hyper	sig	chr6_10425392
chr14	94936887	94936887	+	7.184E-15	9.1797E-14	0.302652	hyper	sig	chr14_94936887
chr10	43732323	43732323	+	7.188E-15	9.1845E-14	-0.20023	hypo	sig	chr10_43732323
chr10	1341806	1341806	+	7.189E-15	9.1847E-14	-0.28652	hypo	sig	chr10_1341806
chr17	79183702	79183702	+	7.191E-15	9.188E-14	0.248072	hyper	sig	chr17_79183702
chr11	19714097	19714097	+	7.193E-15	9.1898E-14	0.264053	hyper	sig	chr11_19714097
chr8	1.41E+08	140528000	+	7.193E-15	9.1898E-14	0.237562	hyper	sig	chr8_140528000
chr4	1.11E+08	110618286	+	7.194E-15	9.1909E-14	0.20153	hyper	sig	chr4_110618286
chr2	2.32E+08	232459071	+	7.199E-15	9.1973E-14	0.27492	hyper	sig	chr2_232459071
chr1	2.21E+08	220877670	+	7.203E-15	9.2021E-14	0.291759	hyper	sig	chr1_220877670
chr7	20779147	20779147	+	7.203E-15	9.2021E-14	0.256209	hyper	sig	chr7_20779147
chr15	45111589	45111589	+	7.203E-15	9.2023E-14	0.306578	hyper	sig	chr15_45111589
chr6	1E+08	100463640	+	7.204E-15	9.2026E-14	0.221515	hyper	sig	chr6_100463640
chr4	54109993	54109993	+	7.206E-15	9.2054E-14	0.276333	hyper	sig	chr4_54109993
chr5	1.77E+08	177384238	+	7.211E-15	9.211E-14	-0.21322	hypo	sig	chr5_177384238
chr10	1.3E+08	129525622	+	7.211E-15	9.2119E-14	0.264587	hyper	sig	chr10_129525622
chr7	72969639	72969639	+	7.214E-15	9.2148E-14	0.343128	hyper	sig	chr7_72969639
chr5	73300925	73300925	+	7.214E-15	9.2152E-14	0.23791	hyper	sig	chr5_73300925
chr11	614784	614784	+	7.216E-15	9.2171E-14	-0.27041	hypo	sig	chr11_614784
chr10	1.17E+08	117132983	+	7.218E-15	9.2202E-14	0.223797	hyper	sig	chr10_117132983
chr17	74310114	74310114	+	7.219E-15	9.2212E-14	-0.23309	hypo	sig	chr17_74310114
chr12	1.3E+08	130106771	+	7.223E-15	9.2261E-14	-0.24156	hypo	sig	chr12_130106771
chr2	2.42E+08	242011234	+	7.224E-15	9.2272E-14	-0.31129	hypo	sig	chr2_242011234
chr1	18857413	18857413	+	7.23E-15	9.2342E-14	-0.28705	hypo	sig	chr1_18857413
chr1	16520632	16520632	+	7.233E-15	9.238E-14	0.22275	hyper	sig	chr1_16520632
chr11	1.29E+08	128549391	+	7.235E-15	9.2403E-14	0.326023	hyper	sig	chr11_128549391
chr11	1.29E+08	128690374	+	7.235E-15	9.2403E-14	0.30442	hyper	sig	chr11_128690374
chr3	1.49E+08	149474864	+	7.239E-15	9.2458E-14	-0.26661	hypo	sig	chr3_149474864
chr4	10461721	10461721	+	7.24E-15	9.2463E-14	0.232088	hyper	sig	chr4_10461721
chr1	24965095	24965095	+	7.242E-15	9.2492E-14	-0.24042	hypo	sig	chr1_24965095
chr17	21397391	21397391	+	7.246E-15	9.2536E-14	0.287997	hyper	sig	chr17_21397391
chr11	3516223	3516223	+	7.249E-15	9.2574E-14	0.215484	hyper	sig	chr11_3516223
chr6	1.38E+08	138429823	+	7.25E-15	9.2582E-14	0.292427	hyper	sig	chr6_138429823
chr5	1.41E+08	141100409	+	7.25E-15	9.2586E-14	0.246977	hyper	sig	chr5_141100409
chr11	90052758	90052758	+	7.255E-15	9.2641E-14	0.211745	hyper	sig	chr11_90052758
chr7	56889670	56889670	+	7.256E-15	9.2652E-14	-0.23451	hypo	sig	chr7_56889670
chr6	99608932	99608932	+	7.259E-15	9.2696E-14	0.288562	hyper	sig	chr6_99608932
chr8	1.43E+08	143219398	+	7.261E-15	9.2713E-14	-0.25581	hypo	sig	chr8_143219398
chr6	1.68E+08	168232670	+	7.269E-15	9.2813E-14	-0.24212	hypo	sig	chr6_168232670
chr12	54006532	54006532	+	7.271E-15	9.2833E-14	-0.22732	hypo	sig	chr12_54006532
chr15	89360281	89360281	+	7.276E-15	9.2899E-14	0.302435	hyper	sig	chr15_89360281
chr10	1.32E+08	132232409	+	7.277E-15	9.2908E-14	-0.23964	hypo	sig	chr10_132232409
chr4	1.04E+08	103720093	+	7.278E-15	9.2927E-14	0.216823	hyper	sig	chr4_103720093
chr13	1.11E+08	110506681	+	7.283E-15	9.298E-14	-0.3253	hypo	sig	chr13_110506681
chr11	20598700	20598700	+	7.286E-15	9.3021E-14	0.312972	hyper	sig	chr11_20598700
chr2	44928208	44928208	+	7.289E-15	9.3049E-14	0.393736	hyper	sig	chr2_44928208
chr6	33193519	33193519	+	7.293E-15	9.3103E-14	0.251914	hyper	sig	chr6_33193519
chr7	27122753	27122753	+	7.293E-15	9.3103E-14	-0.24285	hypo	sig	chr7_27122753
chr14	60507781	60507781	+	7.295E-15	9.3126E-14	0.200112	hyper	sig	chr14_60507781
chr19	2253431	2253431	+	7.296E-15	9.3135E-14	0.201682	hyper	sig	chr19_2253431
chr14	90501099	90501099	+	7.297E-15	9.3148E-14	-0.2758	hypo	sig	chr14_90501099
chr8	1.43E+08	142668850	+	7.3E-15	9.3181E-14	0.219545	hyper	sig	chr8_142668850
chr10	1.33E+08	132797357	+	7.304E-15	9.3232E-14	-0.22532	hypo	sig	chr10_132797357

chr13	34943230	34943230	+	7.305E-15	9.3253E-14	0.319096	hyper	sig	chr13_34943230
chr15	83283814	83283814	+	7.306E-15	9.3256E-14	0.226417	hyper	sig	chr15_83283814
chr9	93952751	93952751	+	7.307E-15	9.3265E-14	0.226851	hyper	sig	chr9_93952751
chr8	860937	860937	+	7.312E-15	9.3328E-14	-0.24353	hypo	sig	chr8_860937
chr7	1.22E+08	122310978	+	7.318E-15	9.3404E-14	0.231815	hyper	sig	chr7_122310978
chr18	47249187	47249187	+	7.326E-15	9.3504E-14	0.290732	hyper	sig	chr18_47249187
chr2	1.76E+08	176152879	+	7.327E-15	9.3513E-14	-0.30216	hypo	sig	chr2_176152879
chr4	7299769	7299769	+	7.336E-15	9.3623E-14	-0.26377	hypo	sig	chr4_7299769
chr15	22714492	22714492	+	7.342E-15	9.3706E-14	0.20928	hyper	sig	chr15_22714492
chr4	1.5E+08	150258768	+	7.349E-15	9.3795E-14	-0.24145	hypo	sig	chr4_150258768
chr11	8038785	8038785	+	7.355E-15	9.3866E-14	-0.21087	hypo	sig	chr11_8038785
chr6	37705559	37705559	+	7.358E-15	9.3899E-14	0.230682	hyper	sig	chr6_37705559
chr20	3240392	3240392	+	7.36E-15	9.3924E-14	0.281938	hyper	sig	chr20_3240392
chr16	87457981	87457981	+	7.361E-15	9.3936E-14	-0.22793	hypo	sig	chr16_87457981
chr7	1.58E+08	157694007	+	7.362E-15	9.3944E-14	0.237255	hyper	sig	chr7_157694007
chr17	81050294	81050294	+	7.365E-15	9.3981E-14	-0.3055	hypo	sig	chr17_81050294
chr9	1.28E+08	128149501	+	7.371E-15	9.406E-14	-0.27493	hypo	sig	chr9_128149501
chr7	1.3E+08	130272963	+	7.375E-15	9.4103E-14	0.317614	hyper	sig	chr7_130272963
chr13	1.07E+08	106916524	+	7.377E-15	9.4133E-14	-0.25125	hypo	sig	chr13_106916524
chr5	1.41E+08	140856513	+	7.377E-15	9.4133E-14	0.237589	hyper	sig	chr5_140856513
chr17	1137442	1137442	+	7.38E-15	9.4163E-14	-0.28766	hypo	sig	chr17_1137442
chr1	2.47E+08	246697086	+	7.385E-15	9.4226E-14	-0.23172	hypo	sig	chr1_246697086
chr3	1.97E+08	196978800	+	7.392E-15	9.4315E-14	0.209728	hyper	sig	chr3_196978800
chr20	25053627	25053627	+	7.397E-15	9.4376E-14	0.256987	hyper	sig	chr20_25053627
chr19	53907954	53907954	+	7.401E-15	9.4425E-14	0.300416	hyper	sig	chr19_53907954
chr11	1.02E+08	101582383	+	7.407E-15	9.4501E-14	0.250816	hyper	sig	chr11_101582383
chr16	75116602	75116602	+	7.411E-15	9.4556E-14	-0.28555	hypo	sig	chr16_75116602
chr2	74513864	74513864	+	7.414E-15	9.4592E-14	0.237343	hyper	sig	chr2_74513864
chr2	72921071	72921071	+	7.42E-15	9.466E-14	0.313628	hyper	sig	chr2_72921071
chr8	1.42E+08	142173380	+	7.422E-15	9.4683E-14	-0.22401	hypo	sig	chr8_142173380
chr1	16006458	16006458	+	7.423E-15	9.4703E-14	-0.2066	hypo	sig	chr1_16006458
chr19	3179366	3179366	+	7.424E-15	9.4709E-14	-0.23753	hypo	sig	chr19_3179366
chr9	1.34E+08	133527264	+	7.424E-15	9.4713E-14	0.398422	hyper	sig	chr9_133527264
chr18	12701711	12701711	+	7.425E-15	9.4722E-14	-0.20656	hypo	sig	chr18_12701711
chr9	19128809	19128809	+	7.433E-15	9.4821E-14	0.243061	hyper	sig	chr9_19128809
chr10	99527870	99527870	+	7.434E-15	9.4827E-14	0.259691	hyper	sig	chr10_99527870
chr8	1.45E+08	144504395	+	7.435E-15	9.4842E-14	0.217579	hyper	sig	chr8_144504395
chr20	22569071	22569071	+	7.449E-15	9.5013E-14	0.3227	hyper	sig	chr20_22569071
chr8	56113202	56113202	+	7.449E-15	9.5013E-14	0.313551	hyper	sig	chr8_56113202
chr11	1.09E+08	109423442	+	7.453E-15	9.5071E-14	0.221007	hyper	sig	chr11_109423442
chr7	41700119	41700119	+	7.456E-15	9.5095E-14	0.222941	hyper	sig	chr7_41700119
chr13	28819647	28819647	+	7.457E-15	9.5106E-14	0.209147	hyper	sig	chr13_28819647
chr10	86963166	86963166	+	7.469E-15	9.5256E-14	-0.34186	hypo	sig	chr10_86963166
chr10	52411168	52411168	+	7.477E-15	9.5359E-14	0.226017	hyper	sig	chr10_52411168
chr6	1E+08	100465169	+	7.479E-15	9.5378E-14	0.290033	hyper	sig	chr6_100465169
chr1	1.83E+08	183417116	+	7.48E-15	9.5392E-14	0.255308	hyper	sig	chr1_183417116
chr6	32836959	32836959	+	7.495E-15	9.5579E-14	-0.22422	hypo	sig	chr6_32836959
chr5	37838587	37838587	+	7.504E-15	9.5691E-14	0.2123	hyper	sig	chr5_37838587
chr8	43277380	43277380	+	7.505E-15	9.5698E-14	0.221175	hyper	sig	chr8_43277380
chr8	1.44E+08	144108077	+	7.524E-15	9.5936E-14	0.244631	hyper	sig	chr8_144108077
chr19	34832821	34832821	+	7.525E-15	9.5943E-14	0.221628	hyper	sig	chr19_34832821
chr15	62221575	62221575	+	7.526E-15	9.5951E-14	-0.35007	hypo	sig	chr15_62221575
chr1	2.43E+08	242523415	+	7.529E-15	9.5995E-14	0.287205	hyper	sig	chr1_242523415
chr8	19602697	19602697	+	7.534E-15	9.605E-14	0.280252	hyper	sig	chr8_19602697
chr1	2.08E+08	207865024	+	7.537E-15	9.609E-14	-0.2697	hypo	sig	chr1_207865024
chr5	1866074	1866074	+	7.541E-15	9.6137E-14	-0.24528	hypo	sig	chr5_1866074

chr13	50127824	50127824	+	7.547E-15	9.622E-14	0.268134	hyper	sig	chr13_50127824
chr12	1.25E+08	124921279	+	7.548E-15	9.623E-14	-0.29782	hypo	sig	chr12_124921279
chr12	1.11E+08	111033680	+	7.549E-15	9.6241E-14	0.279656	hyper	sig	chr12_111033680
chr11	1.34E+08	133967515	+	7.556E-15	9.6324E-14	0.221165	hyper	sig	chr11_133967515
chr18	57428323	57428323	+	7.557E-15	9.6334E-14	0.294206	hyper	sig	chr18_57428323
chr6	13014880	13014880	+	7.559E-15	9.6359E-14	0.236508	hyper	sig	chr6_13014880
chr12	1.31E+08	131460682	+	7.566E-15	9.6449E-14	-0.24339	hypo	sig	chr12_131460682
chr14	28774547	28774547	+	7.566E-15	9.6449E-14	0.218388	hyper	sig	chr14_28774547
chr6	1.67E+08	167421378	+	7.57E-15	9.6498E-14	-0.31431	hypo	sig	chr6_167421378
chr8	922030	922030	+	7.571E-15	9.6503E-14	-0.22382	hypo	sig	chr8_922030
chr11	1.23E+08	122977480	+	7.578E-15	9.6591E-14	0.207368	hyper	sig	chr11_122977480
chr19	57099321	57099321	+	7.58E-15	9.6621E-14	0.262009	hyper	sig	chr19_57099321
chr12	43552190	43552190	+	7.584E-15	9.6665E-14	0.271732	hyper	sig	chr12_43552190
chr16	1548812	1548812	+	7.585E-15	9.667E-14	-0.2354	hypo	sig	chr16_1548812
chr5	1.81E+08	181195222	+	7.587E-15	9.6703E-14	0.223936	hyper	sig	chr5_181195222
chr19	29093289	29093289	+	7.588E-15	9.6709E-14	-0.24684	hypo	sig	chr19_29093289
chr6	1.61E+08	160679153	+	7.596E-15	9.681E-14	0.299544	hyper	sig	chr6_160679153
chr1	2.05E+08	205448292	+	7.601E-15	9.6872E-14	-0.23568	hypo	sig	chr1_205448292
chr1	54259759	54259759	+	7.607E-15	9.695E-14	-0.23394	hypo	sig	chr1_54259759
chr5	1089309	1089309	+	7.611E-15	9.6996E-14	0.306222	hyper	sig	chr5_1089309
chr22	16602668	16602668	+	7.625E-15	9.7174E-14	0.234386	hyper	sig	chr22_16602668
chr19	49000018	49000018	+	7.631E-15	9.7238E-14	0.252585	hyper	sig	chr19_49000018
chr5	81394632	81394632	+	7.631E-15	9.7238E-14	0.214036	hyper	sig	chr5_81394632
chr11	77039364	77039364	+	7.633E-15	9.726E-14	-0.30357	hypo	sig	chr11_77039364
chr19	1138954	1138954	+	7.635E-15	9.7285E-14	0.234417	hyper	sig	chr19_1138954
chr16	87725875	87725875	+	7.635E-15	9.7291E-14	0.20502	hyper	sig	chr16_87725875
chr3	58586983	58586983	+	7.635E-15	9.7291E-14	0.32113	hyper	sig	chr3_58586983
chr7	44327001	44327001	+	7.636E-15	9.7295E-14	-0.22414	hypo	sig	chr7_44327001
chr10	1.33E+08	133443157	+	7.636E-15	9.7298E-14	-0.25233	hypo	sig	chr10_133443157
chr16	67162654	67162654	+	7.643E-15	9.7385E-14	0.321001	hyper	sig	chr16_67162654
chr7	73831783	73831783	+	7.644E-15	9.7389E-14	-0.27579	hypo	sig	chr7_73831783
chr1	20291838	20291838	+	7.645E-15	9.7398E-14	0.235772	hyper	sig	chr1_20291838
chr6	1.5E+08	149964426	+	7.645E-15	9.7398E-14	0.207352	hyper	sig	chr6_149964426
chr1	63320232	63320232	+	7.646E-15	9.7411E-14	0.268358	hyper	sig	chr1_63320232
chr14	69850522	69850522	+	7.651E-15	9.7479E-14	-0.28985	hypo	sig	chr14_69850522
chr17	7314048	7314048	+	7.662E-15	9.7613E-14	-0.22902	hypo	sig	chr17_7314048
chr5	1.31E+08	130995249	+	7.665E-15	9.765E-14	-0.23997	hypo	sig	chr5_130995249
chr12	1.31E+08	130675023	+	7.667E-15	9.7669E-14	-0.21254	hypo	sig	chr12_130675023
chr19	49133080	49133080	+	7.668E-15	9.7679E-14	0.321657	hyper	sig	chr19_49133080
chr22	48902113	48902113	+	7.668E-15	9.7679E-14	-0.20709	hypo	sig	chr22_48902113
chr6	1.7E+08	170265778	+	7.668E-15	9.7679E-14	-0.22526	hypo	sig	chr6_170265778
chr17	48725429	48725429	+	7.67E-15	9.77E-14	0.263302	hyper	sig	chr17_48725429
chr19	35352217	35352217	+	7.674E-15	9.7755E-14	-0.25395	hypo	sig	chr19_35352217
chr2	2.33E+08	233013167	+	7.676E-15	9.7769E-14	-0.24382	hypo	sig	chr2_233013167
chr20	44750312	44750312	+	7.677E-15	9.7778E-14	0.262446	hyper	sig	chr20_44750312
chr17	28384657	28384657	+	7.679E-15	9.7808E-14	-0.21477	hypo	sig	chr17_28384657
chr10	1.23E+08	122818717	+	7.688E-15	9.7919E-14	0.257416	hyper	sig	chr10_122818717
chr4	1.74E+08	173518574	+	7.692E-15	9.7963E-14	0.254629	hyper	sig	chr4_173518574
chr1	3067906	3067906	+	7.695E-15	9.8006E-14	0.256979	hyper	sig	chr1_3067906
chr14	75419458	75419458	+	7.696E-15	9.8011E-14	-0.25193	hypo	sig	chr14_75419458
chr19	3050647	3050647	+	7.699E-15	9.8052E-14	-0.20195	hypo	sig	chr19_3050647
chr11	1.29E+08	128823782	+	7.702E-15	9.8078E-14	-0.21349	hypo	sig	chr11_128823782
chr18	47249153	47249153	+	7.703E-15	9.8092E-14	0.28223	hyper	sig	chr18_47249153
chr12	52613752	52613752	+	7.704E-15	9.8105E-14	-0.25734	hypo	sig	chr12_52613752
chr2	1.06E+08	106068603	+	7.704E-15	9.811E-14	-0.21514	hypo	sig	chr2_106068603
chr5	1.41E+08	141370324	+	7.705E-15	9.8119E-14	0.238399	hyper	sig	chr5_141370324

chr15	34754965	34754965	+	7.714E-15	9.8223E-14	0.21462	hyper	sig	chr15_34754965
chr20	51023514	51023514	+	7.717E-15	9.8259E-14	0.310698	hyper	sig	chr20_51023514
chr3	1.2E+08	119810286	+	7.724E-15	9.835E-14	0.249531	hyper	sig	chr3_119810286
chr4	1.11E+08	110612702	+	7.724E-15	9.835E-14	0.208417	hyper	sig	chr4_110612702
chr8	79611238	79611238	+	7.725E-15	9.8367E-14	0.239348	hyper	sig	chr8_79611238
chr4	80387853	80387853	+	7.73E-15	9.8426E-14	-0.26731	hypo	sig	chr4_80387853
chr19	1993143	1993143	+	7.735E-15	9.8486E-14	-0.20831	hypo	sig	chr19_1993143
chr11	416449	416449	+	7.736E-15	9.8502E-14	-0.21625	hypo	sig	chr11_416449
chr10	1.23E+08	123143834	+	7.739E-15	9.8528E-14	0.261623	hyper	sig	chr10_123143834
chr13	1.13E+08	113370165	+	7.742E-15	9.8572E-14	-0.22613	hypo	sig	chr13_113370165
chr19	2428499	2428499	+	7.753E-15	9.8712E-14	0.223345	hyper	sig	chr19_2428499
chr9	1.34E+08	133951015	+	7.755E-15	9.8731E-14	0.257764	hyper	sig	chr9_133951015
chr4	6121540	6121540	+	7.768E-15	9.8896E-14	-0.23812	hypo	sig	chr4_6121540
chr5	1.48E+08	147509299	+	7.77E-15	9.8916E-14	0.261238	hyper	sig	chr5_147509299
chr1	2.47E+08	247008538	+	7.77E-15	9.8918E-14	-0.28547	hypo	sig	chr1_247008538
chr20	47973728	47973728	+	7.774E-15	9.8962E-14	-0.22386	hypo	sig	chr20_47973728
chr4	3746537	3746537	+	7.778E-15	9.9012E-14	0.261062	hyper	sig	chr4_3746537
chr5	1.41E+08	141235210	+	7.781E-15	9.9052E-14	0.232359	hyper	sig	chr5_141235210
chr16	31042579	31042579	+	7.782E-15	9.9061E-14	0.289194	hyper	sig	chr16_31042579
chr10	1.33E+08	132845852	+	7.785E-15	9.9098E-14	-0.32469	hypo	sig	chr10_132845852
chr11	18209263	18209263	+	7.786E-15	9.9101E-14	0.276308	hyper	sig	chr11_18209263
chr4	8343679	8343679	+	7.789E-15	9.9142E-14	0.240836	hyper	sig	chr4_8343679
chr1	2207696	2207696	+	7.793E-15	9.9191E-14	0.255284	hyper	sig	chr1_2207696
chr14	60648018	60648018	+	7.796E-15	9.9226E-14	0.300054	hyper	sig	chr14_60648018
chr2	1.19E+08	118845281	+	7.797E-15	9.924E-14	0.216947	hyper	sig	chr2_118845281
chr10	52411166	52411166	+	7.798E-15	9.9252E-14	0.258973	hyper	sig	chr10_52411166
chr1	2.28E+08	228446564	+	7.801E-15	9.9289E-14	0.323213	hyper	sig	chr1_228446564
chr10	1.33E+08	133191840	+	7.801E-15	9.9292E-14	-0.27766	hypo	sig	chr10_133191840
chr5	1.46E+08	146334102	+	7.806E-15	9.9347E-14	0.236031	hyper	sig	chr5_146334102
chr13	99958374	99958374	+	7.814E-15	9.9454E-14	0.22361	hyper	sig	chr13_99958374
chr11	1804026	1804026	+	7.817E-15	9.9482E-14	-0.35332	hypo	sig	chr11_1804026
chr20	63064281	63064281	+	7.829E-15	9.9634E-14	-0.28136	hypo	sig	chr20_63064281
chr19	15281167	15281167	+	7.833E-15	9.9684E-14	0.201768	hyper	sig	chr19_15281167
chr5	77639282	77639282	+	7.835E-15	9.9713E-14	0.261501	hyper	sig	chr5_77639282
chr20	17614900	17614900	+	7.842E-15	9.9803E-14	0.368676	hyper	sig	chr20_17614900
chr16	88151309	88151309	+	7.849E-15	9.9878E-14	-0.25913	hypo	sig	chr16_88151309
chr3	1.38E+08	138434020	+	7.849E-15	9.9879E-14	0.286661	hyper	sig	chr3_138434020
chr6	10841496	10841496	+	7.854E-15	9.9937E-14	-0.25619	hypo	sig	chr6_10841496
chr16	63617700	63617700	+	7.855E-15	9.9955E-14	0.300829	hyper	sig	chr16_63617700
chr13	1.08E+08	107868249	+	7.862E-15	1.0004E-13	0.209583	hyper	sig	chr13_107868249
chr3	62368035	62368035	+	7.865E-15	1.0008E-13	0.263201	hyper	sig	chr3_62368035
chr10	1.23E+08	122818696	+	7.867E-15	1.0011E-13	0.24924	hyper	sig	chr10_122818696
chr12	45051085	45051085	+	7.875E-15	1.002E-13	0.253427	hyper	sig	chr12_45051085
chr14	1.05E+08	104564915	+	7.884E-15	1.0031E-13	-0.25599	hypo	sig	chr14_104564915
chr5	88889570	88889570	+	7.885E-15	1.0033E-13	0.229446	hyper	sig	chr5_88889570
chr22	50485608	50485608	+	7.887E-15	1.0034E-13	-0.25832	hypo	sig	chr22_50485608
chr11	397081	397081	+	7.888E-15	1.0036E-13	0.294756	hyper	sig	chr11_397081
chr12	63821837	63821837	+	7.888E-15	1.0036E-13	0.254073	hyper	sig	chr12_63821837
chr19	14149878	14149878	+	7.89E-15	1.0038E-13	0.20511	hyper	sig	chr19_14149878
chr8	1.41E+08	141235430	+	7.901E-15	1.0052E-13	-0.25281	hypo	sig	chr8_141235430
chr3	1.47E+08	147410877	+	7.904E-15	1.0056E-13	0.207341	hyper	sig	chr3_147410877
chr1	28148028	28148028	+	7.906E-15	1.0057E-13	-0.26999	hypo	sig	chr1_28148028
chr14	1.03E+08	103187283	+	7.906E-15	1.0058E-13	-0.26278	hypo	sig	chr14_103187283
chr11	2149549	2149549	+	7.907E-15	1.0059E-13	-0.32325	hypo	sig	chr11_2149549
chr11	1.13E+08	113275134	+	7.908E-15	1.006E-13	-0.27511	hypo	sig	chr11_113275134
chr16	68642830	68642830	+	7.911E-15	1.0063E-13	0.292668	hyper	sig	chr16_68642830

chr1	1436464	1436464	+	7.915E-15	1.0068E-13	0.248802	hyper	sig	chr1_1436464
chr18	10029182	10029182	+	7.92E-15	1.0075E-13	-0.23394	hypo	sig	chr18_10029182
chr19	52453805	52453805	+	7.922E-15	1.0077E-13	0.354054	hyper	sig	chr19_52453805
chr13	42574778	42574778	+	7.925E-15	1.008E-13	0.221186	hyper	sig	chr13_42574778
chr5	55222656	55222656	+	7.931E-15	1.0087E-13	0.26999	hyper	sig	chr5_55222656
chr7	6871596	6871596	+	7.937E-15	1.0095E-13	-0.24045	hypo	sig	chr7_6871596
chr22	23717738	23717738	+	7.947E-15	1.0108E-13	0.221089	hyper	sig	chr22_23717738
chr6	1.46E+08	146434499	+	7.95E-15	1.0111E-13	0.322976	hyper	sig	chr6_146434499
chr17	4969261	4969261	+	7.955E-15	1.0117E-13	0.219498	hyper	sig	chr17_4969261
chr16	85485231	85485231	+	7.959E-15	1.0121E-13	-0.20948	hypo	sig	chr16_85485231
chr16	502783	502783	+	7.961E-15	1.0124E-13	-0.26415	hypo	sig	chr16_502783
chr6	12749126	12749126	+	7.963E-15	1.0127E-13	0.250574	hyper	sig	chr6_12749126
chr10	92420996	92420996	+	7.965E-15	1.0129E-13	0.246857	hyper	sig	chr10_92420996
chr6	1.08E+08	108165234	+	7.978E-15	1.0145E-13	0.270528	hyper	sig	chr6_108165234
chr16	84832544	84832544	+	7.982E-15	1.015E-13	0.219066	hyper	sig	chr16_84832544
chr5	1.79E+08	178590948	+	7.984E-15	1.0152E-13	0.218574	hyper	sig	chr5_178590948
chr3	1.26E+08	126267862	+	7.984E-15	1.0152E-13	0.316046	hyper	sig	chr3_126267862
chr8	46134341	46134341	+	7.985E-15	1.0153E-13	-0.24511	hypo	sig	chr8_46134341
chr6	33175370	33175370	+	7.986E-15	1.0154E-13	-0.22625	hypo	sig	chr6_33175370
chr6	1.52E+08	152100340	+	7.996E-15	1.0166E-13	-0.26188	hypo	sig	chr6_152100340
chr7	1.17E+08	117323425	+	7.999E-15	1.017E-13	0.331911	hyper	sig	chr7_117323425
chr1	38476662	38476662	+	8.01E-15	1.0184E-13	0.296248	hyper	sig	chr1_38476662
chr10	1.01E+08	100655563	+	8.01E-15	1.0185E-13	0.251337	hyper	sig	chr10_100655563
chr7	97017805	97017805	+	8.014E-15	1.0189E-13	0.32202	hyper	sig	chr7_97017805
chr12	1.32E+08	132288965	+	8.017E-15	1.0193E-13	-0.21067	hypo	sig	chr12_132288965
chr5	15500747	15500747	+	8.019E-15	1.0195E-13	0.220818	hyper	sig	chr5_15500747
chr15	43649173	43649173	+	8.02E-15	1.0196E-13	0.31	hyper	sig	chr15_43649173
chr4	7250898	7250898	+	8.021E-15	1.0197E-13	0.29234	hyper	sig	chr4_7250898
chr3	1.96E+08	195863125	+	8.021E-15	1.0197E-13	0.247338	hyper	sig	chr3_195863125
chr12	1.32E+08	132173334	+	8.022E-15	1.0198E-13	-0.24111	hypo	sig	chr12_132173334
chr1	1.19E+08	118984792	+	8.033E-15	1.0211E-13	0.215594	hyper	sig	chr1_118984792
chr19	56765314	56765314	+	8.034E-15	1.0213E-13	0.235157	hyper	sig	chr19_56765314
chr20	52973386	52973386	+	8.035E-15	1.0214E-13	0.240691	hyper	sig	chr20_52973386
chr16	73049428	73049428	+	8.035E-15	1.0214E-13	0.282045	hyper	sig	chr16_73049428
chr6	1.52E+08	151807231	+	8.042E-15	1.0223E-13	0.256774	hyper	sig	chr6_151807231
chr7	1.49E+08	149072128	+	8.042E-15	1.0223E-13	0.256263	hyper	sig	chr7_149072128
chr1	1926698	1926698	+	8.047E-15	1.0228E-13	-0.2758	hypo	sig	chr1_1926698
chr12	57546033	57546033	+	8.05E-15	1.0231E-13	-0.23207	hypo	sig	chr12_57546033
chr4	1.47E+08	146640889	+	8.05E-15	1.0231E-13	0.371839	hyper	sig	chr4_146640889
chr16	29785477	29785477	+	8.052E-15	1.0234E-13	0.204281	hyper	sig	chr16_29785477
chr6	10381563	10381563	+	8.052E-15	1.0234E-13	0.248197	hyper	sig	chr6_10381563
chr3	16536190	16536190	+	8.053E-15	1.0235E-13	-0.23837	hypo	sig	chr3_16536190
chr15	52180605	52180605	+	8.057E-15	1.024E-13	0.261368	hyper	sig	chr15_52180605
chr10	1.31E+08	131177908	+	8.061E-15	1.0245E-13	0.281849	hyper	sig	chr10_131177908
chr5	1.41E+08	140828625	+	8.063E-15	1.0247E-13	0.223139	hyper	sig	chr5_140828625
chr5	7850185	7850185	+	8.064E-15	1.0248E-13	0.213219	hyper	sig	chr5_7850185
chr3	1.82E+08	181724357	+	8.074E-15	1.0261E-13	0.337043	hyper	sig	chr3_181724357
chr2	2.39E+08	238970361	+	8.078E-15	1.0266E-13	-0.23043	hypo	sig	chr2_238970361
chr6	26017846	26017846	+	8.079E-15	1.0266E-13	0.223503	hyper	sig	chr6_26017846
chr8	1.4E+08	139703401	+	8.086E-15	1.0275E-13	0.385424	hyper	sig	chr8_139703401
chr7	1.57E+08	157005877	+	8.087E-15	1.0276E-13	0.342559	hyper	sig	chr7_157005877
chr16	86961433	86961433	+	8.088E-15	1.0277E-13	0.220498	hyper	sig	chr16_86961433
chr9	1.37E+08	136821312	+	8.093E-15	1.0283E-13	0.265486	hyper	sig	chr9_136821312
chr20	3888077	3888077	+	8.106E-15	1.0299E-13	0.220952	hyper	sig	chr20_3888077
chr1	2.17E+08	217138255	+	8.107E-15	1.0301E-13	0.221395	hyper	sig	chr1_217138255
chr6	1.67E+08	167290406	+	8.108E-15	1.0301E-13	-0.20728	hypo	sig	chr6_167290406

chr4	1.74E+08	173528929	+	8.116E-15	1.0312E-13	0.284187	hyper	sig	chr4_173528929
chr19	51949021	51949021	+	8.122E-15	1.0319E-13	0.248677	hyper	sig	chr19_51949021
chr6	1.6E+08	160259837	+	8.137E-15	1.0338E-13	0.286504	hyper	sig	chr6_160259837
chr16	31145805	31145805	+	8.138E-15	1.0339E-13	-0.24705	hypo	sig	chr16_31145805
chr10	1.1E+08	110214558	+	8.145E-15	1.0348E-13	0.235498	hyper	sig	chr10_110214558
chr7	27103657	27103657	+	8.149E-15	1.0351E-13	0.245548	hyper	sig	chr7_27103657
chr11	61829340	61829340	+	8.16E-15	1.0366E-13	0.229547	hyper	sig	chr11_61829340
chr7	63100127	63100127	+	8.162E-15	1.0368E-13	-0.22225	hypo	sig	chr7_63100127
chr9	95089075	95089075	+	8.17E-15	1.0377E-13	0.236365	hyper	sig	chr9_95089075
chr8	56117940	56117940	+	8.175E-15	1.0383E-13	0.25401	hyper	sig	chr8_56117940
chr2	2.38E+08	238122148	+	8.176E-15	1.0384E-13	-0.25982	hypo	sig	chr2_238122148
chr16	85315388	85315388	+	8.192E-15	1.0405E-13	-0.2745	hypo	sig	chr16_85315388
chr16	84218323	84218323	+	8.194E-15	1.0406E-13	0.249373	hyper	sig	chr16_84218323
chr6	1.51E+08	150599431	+	8.196E-15	1.0409E-13	-0.21239	hypo	sig	chr6_150599431
chr11	2266821	2266821	+	8.198E-15	1.0411E-13	-0.23486	hypo	sig	chr11_2266821
chr12	26196571	26196571	+	8.215E-15	1.0433E-13	0.2375	hyper	sig	chr12_26196571
chr12	3491598	3491598	+	8.219E-15	1.0438E-13	0.201732	hyper	sig	chr12_3491598
chr17	20562098	20562098	+	8.22E-15	1.0439E-13	-0.21799	hypo	sig	chr17_20562098
chr19	2291406	2291406	+	8.226E-15	1.0446E-13	0.231433	hyper	sig	chr19_2291406
chr14	22883261	22883261	+	8.24E-15	1.0464E-13	0.337407	hyper	sig	chr14_22883261
chr2	2.37E+08	237486454	+	8.244E-15	1.0468E-13	0.216952	hyper	sig	chr2_237486454
chr2	1.21E+08	120736768	+	8.244E-15	1.0468E-13	0.201744	hyper	sig	chr2_120736768
chr5	71719739	71719739	+	8.245E-15	1.0469E-13	0.272377	hyper	sig	chr5_71719739
chr19	38267321	38267321	+	8.247E-15	1.0471E-13	-0.30506	hypo	sig	chr19_38267321
chr2	469013	469013	+	8.248E-15	1.0472E-13	0.215081	hyper	sig	chr2_469013
chr3	16191580	16191580	+	8.255E-15	1.0481E-13	-0.22561	hypo	sig	chr3_16191580
chr12	1820346	1820346	+	8.26E-15	1.0487E-13	0.278307	hyper	sig	chr12_1820346
chr16	88155019	88155019	+	8.26E-15	1.0487E-13	-0.21591	hypo	sig	chr16_88155019
chr1	75135366	75135366	+	8.262E-15	1.049E-13	0.227087	hyper	sig	chr1_75135366
chr9	93345971	93345971	+	8.265E-15	1.0493E-13	0.287431	hyper	sig	chr9_93345971
chr7	1.58E+08	158404236	+	8.266E-15	1.0494E-13	-0.25287	hypo	sig	chr7_158404236
chr8	1.43E+08	142777024	+	8.266E-15	1.0495E-13	0.319355	hyper	sig	chr8_142777024
chr1	22451279	22451279	+	8.272E-15	1.0502E-13	-0.25161	hypo	sig	chr1_22451279
chr7	35698522	35698522	+	8.282E-15	1.0514E-13	-0.20663	hypo	sig	chr7_35698522
chr19	22422333	22422333	+	8.282E-15	1.0514E-13	0.204891	hyper	sig	chr19_22422333
chr5	1394170	1394170	+	8.284E-15	1.0516E-13	0.280552	hyper	sig	chr5_1394170
chr6	30071398	30071398	+	8.296E-15	1.0531E-13	0.275816	hyper	sig	chr6_30071398
chr10	43702637	43702637	+	8.297E-15	1.0532E-13	-0.26559	hypo	sig	chr10_43702637
chr5	2759384	2759384	+	8.3E-15	1.0535E-13	-0.23796	hypo	sig	chr5_2759384
chr18	47249190	47249190	+	8.303E-15	1.0539E-13	0.303792	hyper	sig	chr18_47249190
chr2	2.39E+08	239483122	+	8.304E-15	1.054E-13	-0.25686	hypo	sig	chr2_239483122
chr18	23137395	23137395	+	8.31E-15	1.0547E-13	-0.27521	hypo	sig	chr18_23137395
chr2	2.22E+08	222304198	+	8.313E-15	1.055E-13	0.200537	hyper	sig	chr2_222304198
chr16	87600798	87600798	+	8.313E-15	1.0551E-13	-0.20555	hypo	sig	chr16_87600798
chr11	32429008	32429008	+	8.314E-15	1.0552E-13	0.228014	hyper	sig	chr11_32429008
chr3	27720915	27720915	+	8.318E-15	1.0556E-13	0.242657	hyper	sig	chr3_27720915
chr10	23192602	23192602	+	8.322E-15	1.0562E-13	0.297253	hyper	sig	chr10_23192602
chr16	88398725	88398725	+	8.324E-15	1.0563E-13	-0.30204	hypo	sig	chr16_88398725
chr5	1.41E+08	141393547	+	8.328E-15	1.0568E-13	0.216406	hyper	sig	chr5_141393547
chr6	1.61E+08	160926163	+	8.337E-15	1.058E-13	-0.36675	hypo	sig	chr6_160926163
chr1	2.03E+08	203328972	+	8.34E-15	1.0584E-13	-0.22118	hypo	sig	chr1_203328972
chr8	1688338	1688338	+	8.343E-15	1.0587E-13	-0.28793	hypo	sig	chr8_1688338
chr17	40350195	40350195	+	8.344E-15	1.0589E-13	0.271815	hyper	sig	chr17_40350195
chr5	1883479	1883479	+	8.349E-15	1.0595E-13	0.237556	hyper	sig	chr5_1883479
chr2	2.42E+08	241985893	+	8.359E-15	1.0607E-13	-0.30729	hypo	sig	chr2_241985893
chr9	1042229	1042229	+	8.362E-15	1.0611E-13	0.250433	hyper	sig	chr9_1042229

chr17	36945985	36945985	+	8.363E-15	1.0611E-13	0.215599	hyper	sig	chr17_36945985
chr16	28212813	28212813	+	8.366E-15	1.0615E-13	-0.20788	hypo	sig	chr16_28212813
chr2	1.15E+08	115161185	+	8.373E-15	1.0624E-13	0.202096	hyper	sig	chr2_115161185
chr3	10007101	10007101	+	8.378E-15	1.063E-13	-0.2075	hypo	sig	chr3_10007101
chr9	1.22E+08	122217762	+	8.379E-15	1.0631E-13	-0.23843	hypo	sig	chr9_122217762
chr19	35959640	35959640	+	8.379E-15	1.0632E-13	0.302663	hyper	sig	chr19_35959640
chr16	51113903	51113903	+	8.382E-15	1.0634E-13	0.297697	hyper	sig	chr16_51113903
chr7	50304907	50304907	+	8.386E-15	1.0639E-13	0.201063	hyper	sig	chr7_50304907
chr6	10419167	10419167	+	8.39E-15	1.0644E-13	0.24062	hyper	sig	chr6_10419167
chr7	18087502	18087502	+	8.39E-15	1.0644E-13	0.260658	hyper	sig	chr7_18087502
chr16	54288582	54288582	+	8.394E-15	1.0649E-13	0.207948	hyper	sig	chr16_54288582
chr9	1.32E+08	131501473	+	8.399E-15	1.0655E-13	-0.21668	hypo	sig	chr9_131501473
chr5	1.77E+08	177117012	+	8.407E-15	1.0665E-13	0.218417	hyper	sig	chr5_177117012
chr16	85485200	85485200	+	8.409E-15	1.0668E-13	-0.2132	hypo	sig	chr16_85485200
chr7	1.4E+08	140232421	+	8.413E-15	1.0672E-13	-0.26646	hypo	sig	chr7_140232421
chr4	1.44E+08	143912312	+	8.415E-15	1.0675E-13	0.33341	hyper	sig	chr4_143912312
chr14	1.03E+08	103102822	+	8.42E-15	1.0681E-13	0.270665	hyper	sig	chr14_103102822
chr10	99232925	99232925	+	8.421E-15	1.0682E-13	0.220723	hyper	sig	chr10_99232925
chr17	45896189	45896189	+	8.425E-15	1.0687E-13	0.241971	hyper	sig	chr17_45896189
chr13	1.12E+08	112106886	+	8.426E-15	1.0688E-13	0.210475	hyper	sig	chr13_112106886
chr20	59045764	59045764	+	8.428E-15	1.069E-13	0.222912	hyper	sig	chr20_59045764
chr19	48745866	48745866	+	8.43E-15	1.0692E-13	0.251931	hyper	sig	chr19_48745866
chr4	1.47E+08	147480121	+	8.447E-15	1.0713E-13	-0.24799	hypo	sig	chr4_147480121
chr22	38214599	38214599	+	8.448E-15	1.0715E-13	0.33159	hyper	sig	chr22_38214599
chr17	29016720	29016720	+	8.454E-15	1.0723E-13	-0.27507	hypo	sig	chr17_29016720
chr16	51156156	51156156	+	8.457E-15	1.0726E-13	0.241621	hyper	sig	chr16_51156156
chr9	3181073	3181073	+	8.457E-15	1.0726E-13	0.211032	hyper	sig	chr9_3181073
chr12	24562935	24562935	+	8.459E-15	1.0727E-13	0.225517	hyper	sig	chr12_24562935
chr20	38725077	38725077	+	8.46E-15	1.0729E-13	0.233989	hyper	sig	chr20_38725077
chr20	23750774	23750774	+	8.472E-15	1.0744E-13	-0.2452	hypo	sig	chr20_23750774
chr9	97852905	97852905	+	8.48E-15	1.0754E-13	0.229948	hyper	sig	chr9_97852905
chr17	17810534	17810534	+	8.482E-15	1.0756E-13	0.313737	hyper	sig	chr17_17810534
chr4	3649832	3649832	+	8.497E-15	1.0775E-13	-0.36972	hypo	sig	chr4_3649832
chr12	1.04E+08	104172012	+	8.499E-15	1.0777E-13	-0.24802	hypo	sig	chr12_104172012
chr17	36933780	36933780	+	8.507E-15	1.0786E-13	0.261236	hyper	sig	chr17_36933780
chr5	1.41E+08	141177824	+	8.511E-15	1.0791E-13	0.254428	hyper	sig	chr5_141177824
chr20	38723230	38723230	+	8.514E-15	1.0796E-13	0.223075	hyper	sig	chr20_38723230
chr11	2135305	2135305	+	8.516E-15	1.0798E-13	-0.25997	hypo	sig	chr11_2135305
chr18	79807122	79807122	+	8.517E-15	1.0798E-13	-0.21233	hypo	sig	chr18_79807122
chr12	13001859	13001859	+	8.518E-15	1.08E-13	0.265445	hyper	sig	chr12_13001859
chr9	1.33E+08	133474323	+	8.518E-15	1.08E-13	-0.27996	hypo	sig	chr9_133474323
chr1	90719226	90719226	+	8.525E-15	1.0809E-13	0.261139	hyper	sig	chr1_90719226
chr2	17875883	17875883	+	8.532E-15	1.0816E-13	-0.30918	hypo	sig	chr2_17875883
chr2	27209962	27209962	+	8.533E-15	1.0817E-13	-0.26443	hypo	sig	chr2_27209962
chr9	1.36E+08	135700630	+	8.534E-15	1.0819E-13	-0.31613	hypo	sig	chr9_135700630
chr6	27593368	27593368	+	8.536E-15	1.082E-13	0.245015	hyper	sig	chr6_27593368
chr16	3029805	3029805	+	8.542E-15	1.0828E-13	0.265035	hyper	sig	chr16_3029805
chr20	31474931	31474931	+	8.544E-15	1.083E-13	0.322208	hyper	sig	chr20_31474931
chr13	27657946	27657946	+	8.55E-15	1.0838E-13	-0.21904	hypo	sig	chr13_27657946
chr12	80717721	80717721	+	8.552E-15	1.084E-13	-0.31711	hypo	sig	chr12_80717721
chr2	2.27E+08	226790603	+	8.554E-15	1.0842E-13	-0.22539	hypo	sig	chr2_226790603
chr17	80834393	80834393	+	8.555E-15	1.0843E-13	0.225607	hyper	sig	chr17_80834393
chr6	1.68E+08	167815709	+	8.555E-15	1.0843E-13	-0.24846	hypo	sig	chr6_167815709
chr11	4723239	4723239	+	8.56E-15	1.0849E-13	-0.23713	hypo	sig	chr11_4723239
chr14	23419283	23419283	+	8.564E-15	1.0854E-13	-0.24417	hypo	sig	chr14_23419283
chr7	1.58E+08	157621626	+	8.567E-15	1.0857E-13	-0.21189	hypo	sig	chr7_157621626

chr8	1.09E+08	108787114	+	8.567E-15	1.0857E-13	0.249334	hyper	sig	chr8_108787114
chr7	1.29E+08	128869018	+	8.569E-15	1.086E-13	-0.20559	hypo	sig	chr7_128869018
chr4	1.11E+08	110633870	+	8.572E-15	1.0863E-13	0.315369	hyper	sig	chr4_110633870
chr17	17306389	17306389	+	8.585E-15	1.0879E-13	-0.21225	hypo	sig	chr17_17306389
chr7	32319013	32319013	+	8.586E-15	1.0881E-13	0.257635	hyper	sig	chr7_32319013
chr10	1.02E+08	102240678	+	8.587E-15	1.0882E-13	0.285733	hyper	sig	chr10_102240678
chr16	89847280	89847280	+	8.589E-15	1.0884E-13	-0.27926	hypo	sig	chr16_89847280
chr17	79394005	79394005	+	8.591E-15	1.0885E-13	-0.23783	hypo	sig	chr17_79394005
chr16	84806989	84806989	+	8.591E-15	1.0886E-13	-0.2491	hypo	sig	chr16_84806989
chr5	1.41E+08	141100395	+	8.593E-15	1.0888E-13	0.250392	hyper	sig	chr5_141100395
chr1	898978	898978	+	8.6E-15	1.0896E-13	-0.23372	hypo	sig	chr1_898978
chr5	1.79E+08	178503011	+	8.6E-15	1.0896E-13	-0.27412	hypo	sig	chr5_178503011
chr8	70072196	70072196	+	8.605E-15	1.0902E-13	0.258781	hyper	sig	chr8_70072196
chr16	51153958	51153958	+	8.611E-15	1.0909E-13	0.287013	hyper	sig	chr16_51153958
chr9	19788229	19788229	+	8.615E-15	1.0914E-13	0.275649	hyper	sig	chr9_19788229
chr8	23705720	23705720	+	8.616E-15	1.0916E-13	0.303313	hyper	sig	chr8_23705720
chr1	2.02E+08	201507644	+	8.62E-15	1.0921E-13	0.265973	hyper	sig	chr1_201507644
chr13	24328416	24328416	+	8.621E-15	1.0921E-13	0.210658	hyper	sig	chr13_24328416
chr7	1.51E+08	151014037	+	8.621E-15	1.0922E-13	0.261713	hyper	sig	chr7_151014037
chr8	54467625	54467625	+	8.627E-15	1.0929E-13	0.260401	hyper	sig	chr8_54467625
chr20	58868901	58868901	+	8.631E-15	1.0934E-13	-0.30703	hypo	sig	chr20_58868901
chr3	1.47E+08	147409934	+	8.632E-15	1.0935E-13	0.299686	hyper	sig	chr3_147409934
chr3	1.07E+08	107429518	+	8.637E-15	1.0941E-13	0.247771	hyper	sig	chr3_107429518
chr7	1.57E+08	157078407	+	8.638E-15	1.0942E-13	0.258071	hyper	sig	chr7_157078407
chr7	1.58E+08	157690314	+	8.643E-15	1.0948E-13	0.219177	hyper	sig	chr7_157690314
chr11	2211893	2211893	+	8.644E-15	1.0949E-13	-0.38819	hypo	sig	chr11_2211893
chr7	590873	590873	+	8.66E-15	1.097E-13	0.226703	hyper	sig	chr7_590873
chr11	64612134	64612134	+	8.661E-15	1.0971E-13	-0.26569	hypo	sig	chr11_64612134
chr20	63658069	63658069	+	8.662E-15	1.0972E-13	0.266171	hyper	sig	chr20_63658069
chr1	1.54E+08	153955930	+	8.667E-15	1.0978E-13	0.262759	hyper	sig	chr1_153955930
chr1	69569454	69569454	+	8.671E-15	1.0982E-13	0.248029	hyper	sig	chr1_69569454
chr18	78126774	78126774	+	8.672E-15	1.0984E-13	0.270482	hyper	sig	chr18_78126774
chr5	1.77E+08	176868906	+	8.675E-15	1.0987E-13	-0.20949	hypo	sig	chr5_176868906
chr20	9516683	9516683	+	8.678E-15	1.099E-13	0.222837	hyper	sig	chr20_9516683
chr16	88101327	88101327	+	8.679E-15	1.0991E-13	0.2888	hyper	sig	chr16_88101327
chr17	76915445	76915445	+	8.685E-15	1.0999E-13	-0.26833	hypo	sig	chr17_76915445
chr6	1.17E+08	116565088	+	8.69E-15	1.1005E-13	0.281329	hyper	sig	chr6_116565088
chr17	21452988	21452988	+	8.7E-15	1.1017E-13	0.238768	hyper	sig	chr17_21452988
chr17	3924772	3924772	+	8.707E-15	1.1026E-13	0.267287	hyper	sig	chr17_3924772
chr21	36691982	36691982	+	8.707E-15	1.1026E-13	0.21811	hyper	sig	chr21_36691982
chr1	1.57E+08	156845999	+	8.708E-15	1.1027E-13	0.297779	hyper	sig	chr1_156845999
chr6	1.51E+08	151350559	+	8.709E-15	1.1028E-13	-0.25752	hypo	sig	chr6_151350559
chr17	1098425	1098425	+	8.712E-15	1.1032E-13	-0.339	hypo	sig	chr17_1098425
chr1	2.28E+08	228103967	+	8.72E-15	1.1041E-13	0.263364	hyper	sig	chr1_228103967
chr16	85158340	85158340	+	8.72E-15	1.1042E-13	-0.23599	hypo	sig	chr16_85158340
chr7	1.01E+08	100613010	+	8.727E-15	1.1049E-13	0.210111	hyper	sig	chr7_100613010
chr8	1.44E+08	143937753	+	8.734E-15	1.1058E-13	-0.22722	hypo	sig	chr8_143937753
chr10	511952	511952	+	8.738E-15	1.1063E-13	0.207877	hyper	sig	chr10_511952
chr12	1.17E+08	117357558	+	8.749E-15	1.1076E-13	-0.28942	hypo	sig	chr12_117357558
chr5	73230951	73230951	+	8.762E-15	1.1093E-13	0.276764	hyper	sig	chr5_73230951
chr2	11621752	11621752	+	8.764E-15	1.1095E-13	-0.28199	hypo	sig	chr2_11621752
chr15	90957556	90957556	+	8.766E-15	1.1098E-13	0.300525	hyper	sig	chr15_90957556
chr12	1.32E+08	132174777	+	8.768E-15	1.11E-13	-0.24708	hypo	sig	chr12_132174777
chr6	10384891	10384891	+	8.77E-15	1.1102E-13	0.31103	hyper	sig	chr6_10384891
chr17	42784486	42784486	+	8.775E-15	1.1109E-13	0.236629	hyper	sig	chr17_42784486
chr19	36776124	36776124	+	8.776E-15	1.111E-13	0.337628	hyper	sig	chr19_36776124

chr10	69571830	69571830	+	8.787E-15	1.1123E-13	0.267641	hyper	sig	chr10_69571830
chr15	42737635	42737635	+	8.787E-15	1.1123E-13	0.237749	hyper	sig	chr15_42737635
chr2	2.32E+08	231528420	+	8.792E-15	1.1129E-13	-0.2415	hypo	sig	chr2_231528420
chr3	37994398	37994398	+	8.797E-15	1.1135E-13	0.221647	hyper	sig	chr3_37994398
chr16	30896330	30896330	+	8.798E-15	1.1137E-13	0.280173	hyper	sig	chr16_30896330
chr3	1.26E+08	125671789	+	8.8E-15	1.1139E-13	-0.21031	hypo	sig	chr3_125671789
chr1	1.19E+08	118988088	+	8.806E-15	1.1146E-13	0.29042	hyper	sig	chr1_118988088
chr17	80792157	80792157	+	8.814E-15	1.1156E-13	-0.21783	hypo	sig	chr17_80792157
chr10	84237520	84237520	+	8.823E-15	1.1166E-13	0.247442	hyper	sig	chr10_84237520
chr4	2437764	2437764	+	8.823E-15	1.1167E-13	-0.20923	hypo	sig	chr4_2437764
chr8	8325023	8325023	+	8.826E-15	1.117E-13	0.238883	hyper	sig	chr8_8325023
chr2	66445187	66445187	+	8.839E-15	1.1187E-13	0.244536	hyper	sig	chr2_66445187
chr15	24773286	24773286	+	8.843E-15	1.1191E-13	0.26743	hyper	sig	chr15_24773286
chr17	75550068	75550068	+	8.845E-15	1.1193E-13	-0.23814	hypo	sig	chr17_75550068
chr5	1.7E+08	170106377	+	8.848E-15	1.1197E-13	-0.26726	hypo	sig	chr5_170106377
chr21	9735547	9735547	+	8.85E-15	1.1199E-13	-0.22737	hypo	sig	chr21_9735547
chr1	17149579	17149579	+	8.856E-15	1.1207E-13	0.25106	hyper	sig	chr1_17149579
chr19	35355481	35355481	+	8.86E-15	1.1212E-13	-0.29928	hypo	sig	chr19_35355481
chr2	2.32E+08	232381702	+	8.861E-15	1.1212E-13	0.222474	hyper	sig	chr2_232381702
chr7	5495816	5495816	+	8.861E-15	1.1212E-13	0.223039	hyper	sig	chr7_5495816
chr2	23663489	23663489	+	8.87E-15	1.1224E-13	0.299419	hyper	sig	chr2_23663489
chr2	44930157	44930157	+	8.871E-15	1.1224E-13	0.249425	hyper	sig	chr2_44930157
chr14	55440384	55440384	+	8.873E-15	1.1227E-13	0.247196	hyper	sig	chr14_55440384
chr11	69048214	69048214	+	8.873E-15	1.1227E-13	-0.2277	hypo	sig	chr11_69048214
chr1	2.08E+08	207669661	+	8.877E-15	1.1232E-13	0.350523	hyper	sig	chr1_207669661
chr16	89847210	89847210	+	8.886E-15	1.1243E-13	-0.2292	hypo	sig	chr16_89847210
chr1	1.53E+08	152805487	+	8.889E-15	1.1246E-13	-0.29031	hypo	sig	chr1_152805487
chr16	56190715	56190715	+	8.893E-15	1.1251E-13	0.218587	hyper	sig	chr16_56190715
chr3	51984131	51984131	+	8.899E-15	1.1259E-13	-0.2532	hypo	sig	chr3_51984131
chr1	24503508	24503508	+	8.902E-15	1.1262E-13	-0.23068	hypo	sig	chr1_24503508
chr1	1.57E+08	156845781	+	8.902E-15	1.1262E-13	0.248616	hyper	sig	chr1_156845781
chr5	54646408	54646408	+	8.905E-15	1.1266E-13	-0.24276	hypo	sig	chr5_54646408
chr8	41725828	41725828	+	8.908E-15	1.127E-13	0.321653	hyper	sig	chr8_41725828
chr13	45713724	45713724	+	8.91E-15	1.1272E-13	-0.22007	hypo	sig	chr13_45713724
chr16	4664074	4664074	+	8.911E-15	1.1273E-13	-0.21357	hypo	sig	chr16_4664074
chr10	84198644	84198644	+	8.915E-15	1.1278E-13	-0.23722	hypo	sig	chr10_84198644
chr17	80178725	80178725	+	8.921E-15	1.1285E-13	-0.24352	hypo	sig	chr17_80178725
chr1	1445251	1445251	+	8.922E-15	1.1286E-13	-0.25349	hypo	sig	chr1_1445251
chr16	3183414	3183414	+	8.923E-15	1.1287E-13	0.236389	hyper	sig	chr16_3183414
chr17	35448914	35448914	+	8.925E-15	1.129E-13	0.24651	hyper	sig	chr17_35448914
chr14	74299494	74299494	+	8.927E-15	1.1292E-13	-0.32449	hypo	sig	chr14_74299494
chr11	31799117	31799117	+	8.928E-15	1.1293E-13	0.215028	hyper	sig	chr11_31799117
chr19	58356237	58356237	+	8.929E-15	1.1294E-13	0.304273	hyper	sig	chr19_58356237
chr10	26218454	26218454	+	8.93E-15	1.1296E-13	0.255669	hyper	sig	chr10_26218454
chr20	761230	761230	+	8.932E-15	1.1298E-13	0.307319	hyper	sig	chr20_761230
chr16	2184964	2184964	+	8.933E-15	1.1299E-13	-0.33226	hypo	sig	chr16_2184964
chr17	38538754	38538754	+	8.934E-15	1.13E-13	-0.20889	hypo	sig	chr17_38538754
chr19	15233332	15233332	+	8.934E-15	1.13E-13	0.267673	hyper	sig	chr19_15233332
chr18	79436203	79436203	+	8.956E-15	1.1326E-13	-0.2376	hypo	sig	chr18_79436203
chr5	1.59E+08	159106618	+	8.964E-15	1.1337E-13	0.212485	hyper	sig	chr5_159106618
chr7	1.58E+08	158317428	+	8.964E-15	1.1337E-13	0.239835	hyper	sig	chr7_158317428
chr3	1.58E+08	157542975	+	8.966E-15	1.1339E-13	0.234952	hyper	sig	chr3_157542975
chr2	73292215	73292215	+	8.968E-15	1.1342E-13	0.26726	hyper	sig	chr2_73292215
chr12	1.05E+08	104757059	+	8.973E-15	1.1347E-13	-0.21952	hypo	sig	chr12_104757059
chr11	61534755	61534755	+	8.978E-15	1.1353E-13	-0.28466	hypo	sig	chr11_61534755
chr2	2.4E+08	240351226	+	8.983E-15	1.136E-13	0.24949	hyper	sig	chr2_240351226

chr17	45395554	45395554	+	8.99E-15	1.1368E-13	0.30176	hyper	sig	chr17_45395554
chr18	63476700	63476700	+	8.997E-15	1.1377E-13	-0.28928	hypo	sig	chr18_63476700
chr21	46661365	46661365	+	8.999E-15	1.1379E-13	0.282552	hyper	sig	chr21_46661365
chr4	305202	305202	+	9.02E-15	1.1405E-13	0.24223	hyper	sig	chr4_305202
chr3	1.27E+08	126682367	+	9.02E-15	1.1405E-13	-0.25036	hypo	sig	chr3_126682367
chr11	20600648	20600648	+	9.025E-15	1.1411E-13	0.260976	hyper	sig	chr11_20600648
chr12	65729547	65729547	+	9.028E-15	1.1414E-13	0.281768	hyper	sig	chr12_65729547
chr16	48509833	48509833	+	9.029E-15	1.1415E-13	-0.24159	hypo	sig	chr16_48509833
chr7	18087489	18087489	+	9.036E-15	1.1424E-13	0.243498	hyper	sig	chr7_18087489
chr15	96417036	96417036	+	9.036E-15	1.1425E-13	0.26252	hyper	sig	chr15_96417036
chr13	27823228	27823228	+	9.042E-15	1.1432E-13	0.258712	hyper	sig	chr13_27823228
chr17	35496661	35496661	+	9.045E-15	1.1435E-13	0.291339	hyper	sig	chr17_35496661
chr4	1.72E+08	171813550	+	9.049E-15	1.144E-13	0.29354	hyper	sig	chr4_171813550
chr2	1283981	1283981	+	9.052E-15	1.1444E-13	0.248446	hyper	sig	chr2_1283981
chr11	69868038	69868038	+	9.054E-15	1.1446E-13	-0.2022	hypo	sig	chr11_69868038
chr7	1761919	1761919	+	9.059E-15	1.1452E-13	-0.27169	hypo	sig	chr7_1761919
chr19	3369773	3369773	+	9.062E-15	1.1455E-13	0.304516	hyper	sig	chr19_3369773
chr14	1.05E+08	104637345	+	9.064E-15	1.1458E-13	-0.33837	hypo	sig	chr14_104637345
chr14	26205354	26205354	+	9.066E-15	1.146E-13	0.2597	hyper	sig	chr14_26205354
chr12	49961493	49961493	+	9.067E-15	1.1461E-13	0.344693	hyper	sig	chr12_49961493
chr1	9714684	9714684	+	9.079E-15	1.1476E-13	-0.25881	hypo	sig	chr1_9714684
chr2	1846675	1846675	+	9.081E-15	1.1479E-13	-0.20203	hypo	sig	chr2_1846675
chr20	45097847	45097847	+	9.082E-15	1.1479E-13	0.262001	hyper	sig	chr20_45097847
chr6	32104390	32104390	+	9.083E-15	1.148E-13	-0.28738	hypo	sig	chr6_32104390
chr2	74148361	74148361	+	9.084E-15	1.1482E-13	0.219109	hyper	sig	chr2_74148361
chr7	64575146	64575146	+	9.085E-15	1.1483E-13	0.256352	hyper	sig	chr7_64575146
chr2	5696606	5696606	+	9.09E-15	1.1489E-13	0.300872	hyper	sig	chr2_5696606
chr20	3663599	3663599	+	9.09E-15	1.1489E-13	-0.22098	hypo	sig	chr20_3663599
chr12	1.31E+08	131032641	+	9.093E-15	1.1493E-13	-0.28693	hypo	sig	chr12_131032641
chr10	1.03E+08	103277957	+	9.094E-15	1.1493E-13	0.290362	hyper	sig	chr10_103277957
chr4	1.11E+08	110614463	+	9.097E-15	1.1497E-13	0.257717	hyper	sig	chr4_110614463
chr12	1.09E+08	108827494	+	9.097E-15	1.1497E-13	0.236817	hyper	sig	chr12_108827494
chr7	63068232	63068232	+	9.101E-15	1.1502E-13	0.261403	hyper	sig	chr7_63068232
chr3	1.54E+08	154122929	+	9.102E-15	1.1502E-13	0.276053	hyper	sig	chr3_154122929
chr13	1.12E+08	111956976	+	9.103E-15	1.1503E-13	-0.22561	hypo	sig	chr13_111956976
chr10	70331718	70331718	+	9.105E-15	1.1506E-13	-0.32461	hypo	sig	chr10_70331718
chr2	1816394	1816394	+	9.108E-15	1.1509E-13	0.259731	hyper	sig	chr2_1816394
chr5	1.34E+08	133611622	+	9.114E-15	1.1517E-13	0.228485	hyper	sig	chr5_133611622
chr4	28116629	28116629	+	9.115E-15	1.1518E-13	-0.30719	hypo	sig	chr4_28116629
chr10	1.28E+08	127738572	+	9.116E-15	1.1519E-13	0.328358	hyper	sig	chr10_127738572
chr7	1.55E+08	155467693	+	9.12E-15	1.1524E-13	0.240477	hyper	sig	chr7_155467693
chr12	54047495	54047495	+	9.123E-15	1.1527E-13	0.30224	hyper	sig	chr12_54047495
chr1	3690243	3690243	+	9.124E-15	1.1529E-13	-0.25475	hypo	sig	chr1_3690243
chr16	1533906	1533906	+	9.125E-15	1.153E-13	0.215184	hyper	sig	chr16_1533906
chr2	1.06E+08	106343098	+	9.139E-15	1.1547E-13	-0.28975	hypo	sig	chr2_106343098
chr2	1.32E+08	132279433	+	9.145E-15	1.1555E-13	-0.27689	hypo	sig	chr2_132279433
chr6	1.61E+08	160679141	+	9.147E-15	1.1557E-13	0.294973	hyper	sig	chr6_160679141
chr20	3663450	3663450	+	9.151E-15	1.1562E-13	-0.22112	hypo	sig	chr20_3663450
chr15	37094385	37094385	+	9.163E-15	1.1577E-13	0.233095	hyper	sig	chr15_37094385
chr11	94401061	94401061	+	9.176E-15	1.1592E-13	0.277955	hyper	sig	chr11_94401061
chr1	2.28E+08	228469713	+	9.178E-15	1.1595E-13	0.371364	hyper	sig	chr1_228469713
chr14	56809321	56809321	+	9.186E-15	1.1605E-13	0.325595	hyper	sig	chr14_56809321
chr7	209604	209604	+	9.191E-15	1.1611E-13	-0.27384	hypo	sig	chr7_209604
chr8	64373340	64373340	+	9.201E-15	1.1623E-13	0.248176	hyper	sig	chr8_64373340
chr1	13584246	13584246	+	9.201E-15	1.1623E-13	0.361931	hyper	sig	chr1_13584246
chr11	92227219	92227219	+	9.203E-15	1.1626E-13	0.235211	hyper	sig	chr11_92227219

chr5	1.59E+08	159104437	+	9.203E-15	1.1626E-13	0.350368	hyper	sig	chr5_159104437
chr1	2.28E+08	228006396	+	9.209E-15	1.1633E-13	0.241076	hyper	sig	chr1_228006396
chr1	2.45E+08	245301452	+	9.216E-15	1.1642E-13	0.321389	hyper	sig	chr1_245301452
chr4	65670885	65670885	+	9.236E-15	1.1667E-13	0.218482	hyper	sig	chr4_65670885
chr9	16727883	16727883	+	9.239E-15	1.167E-13	0.247585	hyper	sig	chr9_16727883
chr10	267886	267886	+	9.24E-15	1.1671E-13	-0.20707	hypo	sig	chr10_267886
chr6	1.68E+08	167795813	+	9.256E-15	1.1691E-13	-0.26405	hypo	sig	chr6_167795813
chr4	9493861	9493861	+	9.257E-15	1.1692E-13	-0.24691	hypo	sig	chr4_9493861
chr19	53058341	53058341	+	9.257E-15	1.1692E-13	0.313204	hyper	sig	chr19_53058341
chr10	7411509	7411509	+	9.26E-15	1.1695E-13	0.216571	hyper	sig	chr10_7411509
chr9	33750265	33750265	+	9.266E-15	1.1703E-13	-0.27794	hypo	sig	chr9_33750265
chr2	2.32E+08	231707597	+	9.274E-15	1.1712E-13	-0.214	hypo	sig	chr2_231707597
chr1	85582993	85582993	+	9.275E-15	1.1714E-13	0.256952	hyper	sig	chr1_85582993
chr3	1.98E+08	197509700	+	9.279E-15	1.1718E-13	0.231738	hyper	sig	chr3_197509700
chr19	53058150	53058150	+	9.285E-15	1.1726E-13	0.292925	hyper	sig	chr19_53058150
chr19	4304337	4304337	+	9.289E-15	1.1731E-13	-0.23994	hypo	sig	chr19_4304337
chr1	44645740	44645740	+	9.291E-15	1.1732E-13	0.251151	hyper	sig	chr1_44645740
chr1	1.11E+08	111271068	+	9.292E-15	1.1734E-13	0.238184	hyper	sig	chr1_111271068
chr19	18007441	18007441	+	9.305E-15	1.1751E-13	0.222704	hyper	sig	chr19_18007441
chr10	1.29E+08	129056172	+	9.307E-15	1.1753E-13	0.268542	hyper	sig	chr10_129056172
chr4	1.33E+08	133151591	+	9.309E-15	1.1754E-13	0.279216	hyper	sig	chr4_133151591
chr4	1.65E+08	165378782	+	9.309E-15	1.1754E-13	0.204768	hyper	sig	chr4_165378782
chr4	1.33E+08	133148252	+	9.309E-15	1.1755E-13	0.22435	hyper	sig	chr4_133148252
chr5	64506007	64506007	+	9.318E-15	1.1766E-13	0.223133	hyper	sig	chr5_64506007
chr8	377768	377768	+	9.324E-15	1.1773E-13	0.244277	hyper	sig	chr8_377768
chr15	89357558	89357558	+	9.325E-15	1.1774E-13	-0.25899	hypo	sig	chr15_89357558
chr1	2.28E+08	227925486	+	9.326E-15	1.1775E-13	-0.25822	hypo	sig	chr1_227925486
chr8	1.03E+08	102782740	+	9.331E-15	1.1781E-13	-0.24946	hypo	sig	chr8_102782740
chr4	1.75E+08	175428666	+	9.332E-15	1.1782E-13	-0.27275	hypo	sig	chr4_175428666
chr6	83853434	83853434	+	9.332E-15	1.1782E-13	0.240833	hyper	sig	chr6_83853434
chr2	1.61E+08	161417433	+	9.335E-15	1.1787E-13	0.237485	hyper	sig	chr2_161417433
chr18	59311809	59311809	+	9.336E-15	1.1787E-13	-0.21804	hypo	sig	chr18_59311809
chr10	1.05E+08	104642652	+	9.338E-15	1.1789E-13	0.215882	hyper	sig	chr10_104642652
chr4	52077010	52077010	+	9.339E-15	1.1791E-13	0.272938	hyper	sig	chr4_52077010
chr7	27143010	27143010	+	9.343E-15	1.1795E-13	0.380881	hyper	sig	chr7_27143010
chr19	10713167	10713167	+	9.349E-15	1.1803E-13	-0.287	hypo	sig	chr19_10713167
chr7	27241846	27241846	+	9.36E-15	1.1816E-13	0.269162	hyper	sig	chr7_27241846
chr11	62922571	62922571	+	9.363E-15	1.182E-13	-0.27861	hypo	sig	chr11_62922571
chr6	1.69E+08	169241137	+	9.364E-15	1.1821E-13	-0.25974	hypo	sig	chr6_169241137
chr1	17149356	17149356	+	9.374E-15	1.1833E-13	0.324417	hyper	sig	chr1_17149356
chr5	1.73E+08	173233918	+	9.375E-15	1.1834E-13	0.249297	hyper	sig	chr5_173233918
chr16	86513076	86513076	+	9.38E-15	1.184E-13	0.297957	hyper	sig	chr16_86513076
chr7	1843295	1843295	+	9.381E-15	1.1841E-13	0.273435	hyper	sig	chr7_1843295
chr17	29003776	29003776	+	9.383E-15	1.1843E-13	-0.28304	hypo	sig	chr17_29003776
chr16	31216978	31216978	+	9.39E-15	1.1852E-13	0.21698	hyper	sig	chr16_31216978
chr7	1747659	1747659	+	9.397E-15	1.186E-13	-0.26649	hypo	sig	chr7_1747659
chr1	2.43E+08	242890520	+	9.399E-15	1.1863E-13	0.257866	hyper	sig	chr1_242890520
chr7	73424446	73424446	+	9.404E-15	1.1868E-13	0.2513	hyper	sig	chr7_73424446
chr1	27725169	27725169	+	9.412E-15	1.1878E-13	-0.30642	hypo	sig	chr1_27725169
chr8	1.42E+08	142324646	+	9.421E-15	1.1889E-13	-0.21654	hypo	sig	chr8_142324646
chr14	28766170	28766170	+	9.426E-15	1.1896E-13	0.233482	hyper	sig	chr14_28766170
chr16	88378502	88378502	+	9.432E-15	1.1903E-13	-0.32697	hypo	sig	chr16_88378502
chr2	2.13E+08	212536586	+	9.434E-15	1.1906E-13	0.239499	hyper	sig	chr2_212536586
chr12	49342026	49342026	+	9.437E-15	1.1909E-13	0.333314	hyper	sig	chr12_49342026
chr9	1.24E+08	124017590	+	9.439E-15	1.1911E-13	0.224459	hyper	sig	chr9_124017590
chr16	986194	986194	+	9.449E-15	1.1923E-13	-0.23749	hypo	sig	chr16_986194

chr11	66602294	66602294	+	9.454E-15	1.193E-13	0.233452	hyper	sig	chr11_66602294
chr11	22192817	22192817	+	9.455E-15	1.1931E-13	0.242679	hyper	sig	chr11_22192817
chr22	37518678	37518678	+	9.457E-15	1.1933E-13	-0.25871	hypo	sig	chr22_37518678
chr2	2.39E+08	238967182	+	9.458E-15	1.1934E-13	-0.23139	hypo	sig	chr2_238967182
chr14	60641697	60641697	+	9.459E-15	1.1935E-13	0.351693	hyper	sig	chr14_60641697
chr6	1.08E+08	108123606	+	9.46E-15	1.1936E-13	0.257942	hyper	sig	chr6_108123606
chr2	1.6E+08	160396905	+	9.461E-15	1.1938E-13	-0.32319	hypo	sig	chr2_160396905
chr6	5994294	5994294	+	9.464E-15	1.1941E-13	0.226951	hyper	sig	chr6_5994294
chr6	10419197	10419197	+	9.474E-15	1.1953E-13	0.238863	hyper	sig	chr6_10419197
chr16	86578942	86578942	+	9.475E-15	1.1954E-13	0.263396	hyper	sig	chr16_86578942
chr13	1.12E+08	111945148	+	9.476E-15	1.1955E-13	-0.26812	hypo	sig	chr13_111945148
chr3	37994611	37994611	+	9.492E-15	1.1974E-13	0.305736	hyper	sig	chr3_37994611
chr8	54457858	54457858	+	9.495E-15	1.1978E-13	0.288156	hyper	sig	chr8_54457858
chr1	17149532	17149532	+	9.495E-15	1.1979E-13	0.309194	hyper	sig	chr1_17149532
chr20	63534261	63534261	+	9.498E-15	1.1981E-13	0.258978	hyper	sig	chr20_63534261
chr2	71466041	71466041	+	9.501E-15	1.1985E-13	0.235846	hyper	sig	chr2_71466041
chr5	2759327	2759327	+	9.504E-15	1.1989E-13	-0.23724	hypo	sig	chr5_2759327
chr3	10332751	10332751	+	9.506E-15	1.1991E-13	-0.25074	hypo	sig	chr3_10332751
chr10	84237448	84237448	+	9.509E-15	1.1994E-13	0.255748	hyper	sig	chr10_84237448
chr17	76027479	76027479	+	9.513E-15	1.1999E-13	-0.24232	hypo	sig	chr17_76027479
chr1	54376775	54376775	+	9.515E-15	1.2002E-13	-0.22225	hypo	sig	chr1_54376775
chr6	1.66E+08	166463523	+	9.52E-15	1.2007E-13	-0.20068	hypo	sig	chr6_166463523
chr17	82875597	82875597	+	9.525E-15	1.2014E-13	-0.25708	hypo	sig	chr17_82875597
chr8	1.44E+08	143718788	+	9.525E-15	1.2014E-13	-0.35535	hypo	sig	chr8_143718788
chr11	65607576	65607576	+	9.525E-15	1.2014E-13	0.234725	hyper	sig	chr11_65607576
chr2	88170768	88170768	+	9.53E-15	1.2019E-13	0.270789	hyper	sig	chr2_88170768
chr5	1.55E+08	154645273	+	9.533E-15	1.2024E-13	-0.31273	hypo	sig	chr5_154645273
chr7	97733211	97733211	+	9.534E-15	1.2024E-13	0.211148	hyper	sig	chr7_97733211
chr5	1.16E+08	115817154	+	9.534E-15	1.2025E-13	0.247596	hyper	sig	chr5_115817154
chr18	77979469	77979469	+	9.535E-15	1.2025E-13	-0.26816	hypo	sig	chr18_77979469
chr7	1.59E+08	159064339	+	9.535E-15	1.2026E-13	-0.3883	hypo	sig	chr7_159064339
chr2	2.42E+08	241824172	+	9.542E-15	1.2033E-13	-0.25677	hypo	sig	chr2_241824172
chr15	31483203	31483203	+	9.542E-15	1.2033E-13	0.266976	hyper	sig	chr15_31483203
chr1	1.19E+08	118984631	+	9.544E-15	1.2036E-13	0.242676	hyper	sig	chr1_118984631
chr6	1.5E+08	150037699	+	9.547E-15	1.2039E-13	0.213244	hyper	sig	chr6_150037699
chr11	64240097	64240097	+	9.556E-15	1.2051E-13	-0.23358	hypo	sig	chr11_64240097
chr20	761199	761199	+	9.574E-15	1.2073E-13	0.291014	hyper	sig	chr20_761199
chr1	2.05E+08	204617419	+	9.577E-15	1.2077E-13	-0.26155	hypo	sig	chr1_204617419
chr20	9514706	9514706	+	9.578E-15	1.2078E-13	0.243768	hyper	sig	chr20_9514706
chr2	1.71E+08	170815339	+	9.58E-15	1.208E-13	0.23603	hyper	sig	chr2_170815339
chr6	1.52E+08	151807540	+	9.581E-15	1.2082E-13	0.219631	hyper	sig	chr6_151807540
chr6	1.59E+08	159126862	+	9.582E-15	1.2083E-13	-0.24753	hypo	sig	chr6_159126862
chr16	1169561	1169561	+	9.583E-15	1.2084E-13	0.256208	hyper	sig	chr16_1169561
chr17	44969747	44969747	+	9.59E-15	1.2092E-13	-0.2193	hypo	sig	chr17_44969747
chr5	1119542	1119542	+	9.591E-15	1.2093E-13	-0.25688	hypo	sig	chr5_1119542
chr11	34174693	34174693	+	9.592E-15	1.2094E-13	0.218659	hyper	sig	chr11_34174693
chr16	71425923	71425923	+	9.594E-15	1.2096E-13	0.350551	hyper	sig	chr16_71425923
chr11	69012379	69012379	+	9.599E-15	1.2103E-13	0.341586	hyper	sig	chr11_69012379
chr10	2083157	2083157	+	9.606E-15	1.2111E-13	-0.24566	hypo	sig	chr10_2083157
chr17	39607898	39607898	+	9.607E-15	1.2112E-13	0.239329	hyper	sig	chr17_39607898
chr13	36431926	36431926	+	9.61E-15	1.2116E-13	0.330698	hyper	sig	chr13_36431926
chr8	64370424	64370424	+	9.611E-15	1.2116E-13	0.391083	hyper	sig	chr8_64370424
chr16	67150288	67150288	+	9.618E-15	1.2125E-13	0.240252	hyper	sig	chr16_67150288
chr7	1.29E+08	128831598	+	9.63E-15	1.214E-13	0.238558	hyper	sig	chr7_128831598
chr19	45935409	45935409	+	9.632E-15	1.2142E-13	-0.26609	hypo	sig	chr19_45935409
chr11	1.12E+08	111513104	+	9.633E-15	1.2144E-13	0.219893	hyper	sig	chr11_111513104

chr3	46998802	46998802	+	9.634E-15	1.2145E-13	0.234601	hyper	sig	chr3_46998802
chr2	85134868	85134868	+	9.636E-15	1.2147E-13	0.250149	hyper	sig	chr2_85134868
chr7	77497652	77497652	+	9.636E-15	1.2147E-13	-0.22481	hypo	sig	chr7_77497652
chr9	1.24E+08	124015364	+	9.64E-15	1.2151E-13	0.266543	hyper	sig	chr9_124015364
chr6	1.12E+08	112347252	+	9.643E-15	1.2155E-13	-0.22822	hypo	sig	chr6_112347252
chr18	37567218	37567218	+	9.655E-15	1.217E-13	0.206746	hyper	sig	chr18_37567218
chr2	58428907	58428907	+	9.659E-15	1.2174E-13	0.251282	hyper	sig	chr2_58428907
chr17	48722140	48722140	+	9.671E-15	1.2188E-13	0.237433	hyper	sig	chr17_48722140
chr19	22052495	22052495	+	9.675E-15	1.2194E-13	0.225393	hyper	sig	chr19_22052495
chr8	1.45E+08	144524415	+	9.679E-15	1.2199E-13	-0.25684	hypo	sig	chr8_144524415
chr4	1.07E+08	107036232	+	9.683E-15	1.2203E-13	0.212629	hyper	sig	chr4_107036232
chr15	25194105	25194105	+	9.688E-15	1.221E-13	-0.21806	hypo	sig	chr15_25194105
chr12	1.1E+08	110469828	+	9.69E-15	1.2212E-13	-0.26262	hypo	sig	chr12_110469828
chr11	65607399	65607399	+	9.694E-15	1.2217E-13	0.201002	hyper	sig	chr11_65607399
chr14	1.02E+08	101710320	+	9.698E-15	1.2221E-13	-0.27304	hypo	sig	chr14_101710320
chr10	1.33E+08	132817198	+	9.704E-15	1.2229E-13	-0.28671	hypo	sig	chr10_132817198
chr1	1.56E+08	156139582	+	9.707E-15	1.2232E-13	0.300239	hyper	sig	chr1_156139582
chr2	2.35E+08	234500509	+	9.707E-15	1.2232E-13	-0.24186	hypo	sig	chr2_234500509
chr1	2808223	2808223	+	9.711E-15	1.2236E-13	0.280146	hyper	sig	chr1_2808223
chr15	22951936	22951936	+	9.711E-15	1.2236E-13	0.270741	hyper	sig	chr15_22951936
chr10	774360	774360	+	9.714E-15	1.224E-13	-0.2335	hypo	sig	chr10_774360
chr11	99020762	99020762	+	9.714E-15	1.2241E-13	0.210268	hyper	sig	chr11_99020762
chr16	3012599	3012599	+	9.716E-15	1.2242E-13	0.243397	hyper	sig	chr16_3012599
chr14	24171946	24171946	+	9.717E-15	1.2244E-13	0.212024	hyper	sig	chr14_24171946
chr3	27720861	27720861	+	9.737E-15	1.2268E-13	0.259377	hyper	sig	chr3_27720861
chr5	1.79E+08	179308371	+	9.738E-15	1.2269E-13	-0.2431	hypo	sig	chr5_179308371
chr6	1.5E+08	150039693	+	9.74E-15	1.2271E-13	-0.23247	hypo	sig	chr6_150039693
chr19	17026410	17026410	+	9.741E-15	1.2273E-13	0.243631	hyper	sig	chr19_17026410
chr9	1.34E+08	133565638	+	9.742E-15	1.2274E-13	0.314689	hyper	sig	chr9_133565638
chr22	36322455	36322455	+	9.743E-15	1.2276E-13	0.205272	hyper	sig	chr22_36322455
chr2	1.3E+08	130230417	+	9.745E-15	1.2277E-13	-0.32038	hypo	sig	chr2_130230417
chr17	81529255	81529255	+	9.747E-15	1.2279E-13	-0.24182	hypo	sig	chr17_81529255
chr11	65479667	65479667	+	9.748E-15	1.228E-13	0.209498	hyper	sig	chr11_65479667
chr20	21521658	21521658	+	9.749E-15	1.2281E-13	0.257669	hyper	sig	chr20_21521658
chr16	73064034	73064034	+	9.753E-15	1.2287E-13	-0.24002	hypo	sig	chr16_73064034
chr10	1.05E+08	104641564	+	9.783E-15	1.2324E-13	0.254835	hyper	sig	chr10_104641564
chr1	2.29E+08	229434576	+	9.784E-15	1.2325E-13	0.210429	hyper	sig	chr1_229434576
chr1	1.71E+08	170660408	+	9.787E-15	1.2328E-13	0.254261	hyper	sig	chr1_170660408
chr6	28259269	28259269	+	9.789E-15	1.2331E-13	0.277016	hyper	sig	chr6_28259269
chr19	35138528	35138528	+	9.791E-15	1.2333E-13	0.306043	hyper	sig	chr19_35138528
chr3	1.54E+08	154122558	+	9.792E-15	1.2334E-13	0.25575	hyper	sig	chr3_154122558
chr1	36178404	36178404	+	9.801E-15	1.2345E-13	0.292948	hyper	sig	chr1_36178404
chr17	38855373	38855373	+	9.802E-15	1.2347E-13	-0.20664	hypo	sig	chr17_38855373
chr16	89936227	89936227	+	9.805E-15	1.2349E-13	0.22724	hyper	sig	chr16_89936227
chr2	2.02E+08	202039583	+	9.817E-15	1.2364E-13	0.260575	hyper	sig	chr2_202039583
chr9	19128778	19128778	+	9.821E-15	1.2368E-13	0.200195	hyper	sig	chr9_19128778
chr20	31473081	31473081	+	9.822E-15	1.237E-13	-0.23743	hypo	sig	chr20_31473081
chr11	1.12E+08	112499783	+	9.824E-15	1.2372E-13	-0.27299	hypo	sig	chr11_112499783
chr21	46661379	46661379	+	9.839E-15	1.239E-13	0.29933	hyper	sig	chr21_46661379
chr6	1.44E+08	144187386	+	9.853E-15	1.2408E-13	0.279552	hyper	sig	chr6_144187386
chr7	2733345	2733345	+	9.863E-15	1.242E-13	-0.21516	hypo	sig	chr7_2733345
chr17	8096364	8096364	+	9.867E-15	1.2425E-13	-0.23808	hypo	sig	chr17_8096364
chr17	897058	897058	+	9.868E-15	1.2426E-13	0.268175	hyper	sig	chr17_897058
chr15	89367917	89367917	+	9.879E-15	1.2439E-13	0.261269	hyper	sig	chr15_89367917
chr7	90321013	90321013	+	9.88E-15	1.244E-13	0.214273	hyper	sig	chr7_90321013
chr5	3599532	3599532	+	9.892E-15	1.2455E-13	0.320952	hyper	sig	chr5_3599532

chr5	73626960	73626960	+	9.893E-15	1.2456E-13	-0.30765	hypo	sig	chr5_73626960
chr7	1.17E+08	117322420	+	9.902E-15	1.2466E-13	0.210056	hyper	sig	chr7_117322420
chr8	1.41E+08	141254775	+	9.907E-15	1.2473E-13	0.257857	hyper	sig	chr8_141254775
chr5	1.41E+08	141225731	+	9.914E-15	1.2481E-13	0.24808	hyper	sig	chr5_141225731
chr1	16535577	16535577	+	9.921E-15	1.249E-13	0.237845	hyper	sig	chr1_16535577
chr1	2.07E+08	206909134	+	9.922E-15	1.2491E-13	-0.21979	hypo	sig	chr1_206909134
chr8	1233408	1233408	+	9.93E-15	1.25E-13	-0.30642	hypo	sig	chr8_1233408
chr15	93109290	93109290	+	9.933E-15	1.2504E-13	-0.32378	hypo	sig	chr15_93109290
chr2	1.06E+08	106342754	+	9.937E-15	1.2509E-13	-0.2865	hypo	sig	chr2_106342754
chr2	1.27E+08	126781395	+	9.939E-15	1.251E-13	-0.26667	hypo	sig	chr2_126781395
chr1	1335615	1335615	+	9.948E-15	1.2522E-13	0.320223	hyper	sig	chr1_1335615
chr3	1.26E+08	125965155	+	9.949E-15	1.2523E-13	-0.25553	hypo	sig	chr3_125965155
chr12	53972650	53972650	+	9.952E-15	1.2526E-13	0.259886	hyper	sig	chr12_53972650
chr13	1.12E+08	111972515	+	9.954E-15	1.2528E-13	0.27308	hyper	sig	chr13_111972515
chr10	1.33E+08	133082918	+	9.965E-15	1.2542E-13	-0.27117	hypo	sig	chr10_133082918
chr14	1.01E+08	101033715	+	9.968E-15	1.2545E-13	-0.2234	hypo	sig	chr14_101033715
chr1	68046961	68046961	+	9.971E-15	1.2549E-13	-0.22755	hypo	sig	chr1_68046961
chr2	2.42E+08	241944827	+	9.972E-15	1.255E-13	-0.33178	hypo	sig	chr2_241944827
chr16	51151570	51151570	+	9.974E-15	1.2553E-13	0.216204	hyper	sig	chr16_51151570
chr14	28759020	28759020	+	9.977E-15	1.2556E-13	0.200326	hyper	sig	chr14_28759020
chr1	1.19E+08	118983908	+	9.981E-15	1.256E-13	0.359989	hyper	sig	chr1_118983908
chr1	87327681	87327681	+	9.982E-15	1.2562E-13	0.213831	hyper	sig	chr1_87327681
chr10	683295	683295	+	9.986E-15	1.2567E-13	0.200085	hyper	sig	chr10_683295
chr6	32079633	32079633	+	9.986E-15	1.2567E-13	-0.25297	hypo	sig	chr6_32079633
chr13	1.14E+08	114121773	+	9.987E-15	1.2567E-13	-0.31176	hypo	sig	chr13_114121773
chr14	64541346	64541346	+	9.989E-15	1.2569E-13	0.250533	hyper	sig	chr14_64541346
chr16	370169	370169	+	9.989E-15	1.257E-13	0.206928	hyper	sig	chr16_370169
chr3	52999011	52999011	+	9.998E-15	1.258E-13	-0.22501	hypo	sig	chr3_52999011
chr10	25934042	25934042	+	1.001E-14	1.259E-13	0.227893	hyper	sig	chr10_25934042
chr21	43783462	43783462	+	1.001E-14	1.2591E-13	-0.33502	hypo	sig	chr21_43783462
chr14	1.05E+08	104639297	+	1.001E-14	1.2594E-13	-0.23317	hypo	sig	chr14_104639297
chr1	1679243	1679243	+	1.002E-14	1.2602E-13	-0.22811	hypo	sig	chr1_1679243
chr20	44401411	44401411	+	1.002E-14	1.2607E-13	-0.31912	hypo	sig	chr20_44401411
chr14	57866402	57866402	+	1.002E-14	1.2607E-13	0.309161	hyper	sig	chr14_57866402
chr2	1.72E+08	172107953	+	1.002E-14	1.2609E-13	0.229708	hyper	sig	chr2_172107953
chr5	1.73E+08	173245760	+	1.002E-14	1.2611E-13	0.200027	hyper	sig	chr5_173245760
chr14	24398285	24398285	+	1.003E-14	1.2616E-13	0.256172	hyper	sig	chr14_24398285
chr22	37805824	37805824	+	1.003E-14	1.2617E-13	0.219386	hyper	sig	chr22_37805824
chr11	64971864	64971864	+	1.003E-14	1.2619E-13	0.218879	hyper	sig	chr11_64971864
chr2	81197255	81197255	+	1.005E-14	1.2636E-13	-0.24352	hypo	sig	chr2_81197255
chr10	1.33E+08	133029525	+	1.005E-14	1.264E-13	-0.2682	hypo	sig	chr10_133029525
chr17	83006725	83006725	+	1.006E-14	1.2649E-13	0.203426	hyper	sig	chr17_83006725
chr20	44715356	44715356	+	1.006E-14	1.2652E-13	-0.28703	hypo	sig	chr20_44715356
chr14	1.05E+08	104569796	+	1.006E-14	1.2657E-13	0.24162	hyper	sig	chr14_104569796
chr11	637910	637910	+	1.006E-14	1.2658E-13	0.252887	hyper	sig	chr11_637910
chr5	2129125	2129125	+	1.007E-14	1.2663E-13	0.264243	hyper	sig	chr5_2129125
chr7	23710110	23710110	+	1.007E-14	1.267E-13	-0.24657	hypo	sig	chr7_23710110
chr6	1.34E+08	133838165	+	1.007E-14	1.2671E-13	-0.25621	hypo	sig	chr6_133838165
chr2	2.39E+08	239246772	+	1.008E-14	1.2674E-13	-0.26644	hypo	sig	chr2_239246772
chr21	35027243	35027243	+	1.008E-14	1.2678E-13	-0.22762	hypo	sig	chr21_35027243
chr11	1.34E+08	134282126	+	1.008E-14	1.2678E-13	-0.2293	hypo	sig	chr11_134282126
chr11	1344320	1344320	+	1.008E-14	1.2681E-13	-0.25736	hypo	sig	chr11_1344320
chr22	46390981	46390981	+	1.009E-14	1.2684E-13	-0.32355	hypo	sig	chr22_46390981
chr19	58118733	58118733	+	1.009E-14	1.2692E-13	0.309725	hyper	sig	chr19_58118733
chr19	19514491	19514491	+	1.009E-14	1.2693E-13	0.286515	hyper	sig	chr19_19514491
chr3	1.57E+08	157120307	+	1.01E-14	1.2702E-13	-0.22931	hypo	sig	chr3_157120307

chr11	18209230	18209230	+	1.01E-14	1.2702E-13	0.31004	hyper	sig	chr11_18209230
chr7	4078900	4078900	+	1.01E-14	1.2703E-13	-0.27756	hypo	sig	chr7_4078900
chr1	1.52E+08	151839090	+	1.011E-14	1.2707E-13	0.299782	hyper	sig	chr1_151839090
chr20	21703731	21703731	+	1.011E-14	1.2708E-13	0.356838	hyper	sig	chr20_21703731
chr7	1.56E+08	155861544	+	1.012E-14	1.2721E-13	-0.24684	hypo	sig	chr7_155861544
chr6	1.05E+08	104953076	+	1.012E-14	1.2721E-13	0.278109	hyper	sig	chr6_104953076
chr1	2932341	2932341	+	1.014E-14	1.2748E-13	-0.31838	hypo	sig	chr1_2932341
chr1	2434306	2434306	+	1.014E-14	1.2749E-13	-0.23047	hypo	sig	chr1_2434306
chr16	88898669	88898669	+	1.014E-14	1.2749E-13	-0.26508	hypo	sig	chr16_88898669
chr1	2.31E+08	231336557	+	1.015E-14	1.2759E-13	-0.231	hypo	sig	chr1_231336557
chr7	24756718	24756718	+	1.015E-14	1.276E-13	0.213239	hyper	sig	chr7_24756718
chr5	1.41E+08	141374177	+	1.015E-14	1.2762E-13	0.304651	hyper	sig	chr5_141374177
chr12	49904153	49904153	+	1.016E-14	1.277E-13	0.267046	hyper	sig	chr12_49904153
chr13	99658191	99658191	+	1.017E-14	1.2788E-13	0.248718	hyper	sig	chr13_99658191
chr1	1965128	1965128	+	1.017E-14	1.2788E-13	-0.25235	hypo	sig	chr1_1965128
chr5	1.71E+08	171308364	+	1.018E-14	1.2793E-13	0.250356	hyper	sig	chr5_171308364
chr2	1742900	1742900	+	1.02E-14	1.282E-13	0.212369	hyper	sig	chr2_1742900
chr8	27603682	27603682	+	1.02E-14	1.282E-13	-0.23072	hypo	sig	chr8_27603682
chr19	52370295	52370295	+	1.02E-14	1.282E-13	0.225624	hyper	sig	chr19_52370295
chr19	5245887	5245887	+	1.02E-14	1.2823E-13	-0.21693	hypo	sig	chr19_5245887
chr5	77850972	77850972	+	1.02E-14	1.2826E-13	0.221536	hyper	sig	chr5_77850972
chr3	1.57E+08	156812816	+	1.021E-14	1.283E-13	-0.23957	hypo	sig	chr3_156812816
chr19	52453476	52453476	+	1.022E-14	1.2841E-13	0.2074	hyper	sig	chr19_52453476
chr10	1.01E+08	101228433	+	1.022E-14	1.2851E-13	0.274098	hyper	sig	chr10_101228433
chr19	35959574	35959574	+	1.023E-14	1.286E-13	0.296966	hyper	sig	chr19_35959574
chr12	1.33E+08	132568502	+	1.024E-14	1.2869E-13	0.310592	hyper	sig	chr12_132568502
chr16	55328876	55328876	+	1.024E-14	1.287E-13	0.264398	hyper	sig	chr16_55328876
chr3	1.31E+08	130517330	+	1.025E-14	1.2876E-13	0.313643	hyper	sig	chr3_130517330
chr19	58045062	58045062	+	1.025E-14	1.2879E-13	-0.21827	hypo	sig	chr19_58045062
chr3	35640105	35640105	+	1.026E-14	1.2893E-13	0.244667	hyper	sig	chr3_35640105
chr19	6744898	6744898	+	1.026E-14	1.2898E-13	0.26588	hyper	sig	chr19_6744898
chr1	2.28E+08	227887982	+	1.027E-14	1.2912E-13	0.280368	hyper	sig	chr1_227887982
chr8	52100040	52100040	+	1.028E-14	1.2917E-13	0.238853	hyper	sig	chr8_52100040
chr1	9371553	9371553	+	1.028E-14	1.2918E-13	0.438744	hyper	sig	chr1_9371553
chr16	29785389	29785389	+	1.029E-14	1.2924E-13	0.226249	hyper	sig	chr16_29785389
chr19	7928532	7928532	+	1.029E-14	1.2936E-13	0.245861	hyper	sig	chr19_7928532
chr19	18008195	18008195	+	1.03E-14	1.2941E-13	0.224485	hyper	sig	chr19_18008195
chr11	69086348	69086348	+	1.031E-14	1.295E-13	0.309711	hyper	sig	chr11_69086348
chr1	2.26E+08	225607215	+	1.032E-14	1.2966E-13	0.277411	hyper	sig	chr1_225607215
chr5	1.48E+08	147509756	+	1.033E-14	1.2983E-13	0.203389	hyper	sig	chr5_147509756
chr15	89372004	89372004	+	1.034E-14	1.2987E-13	0.282654	hyper	sig	chr15_89372004
chr16	72961378	72961378	+	1.034E-14	1.2988E-13	-0.35661	hypo	sig	chr16_72961378
chr2	2.39E+08	239308862	+	1.034E-14	1.2993E-13	0.259527	hyper	sig	chr2_239308862
chr12	1.23E+08	122893574	+	1.034E-14	1.2995E-13	-0.25153	hypo	sig	chr12_122893574
chr21	45642683	45642683	+	1.035E-14	1.3004E-13	0.27812	hyper	sig	chr21_45642683
chr8	43277389	43277389	+	1.035E-14	1.3006E-13	0.219403	hyper	sig	chr8_43277389
chr15	93066100	93066100	+	1.035E-14	1.3008E-13	0.267776	hyper	sig	chr15_93066100
chr2	748606	748606	+	1.036E-14	1.3016E-13	-0.21675	hypo	sig	chr2_748606
chr9	1.36E+08	136440348	+	1.036E-14	1.3017E-13	0.228174	hyper	sig	chr9_136440348
chr11	2521322	2521322	+	1.037E-14	1.3026E-13	0.214377	hyper	sig	chr11_2521322
chr5	1.16E+08	115551613	+	1.037E-14	1.3027E-13	-0.31608	hypo	sig	chr5_115551613
chr7	1.54E+08	154053358	+	1.038E-14	1.3042E-13	0.277596	hyper	sig	chr7_154053358
chr20	21608428	21608428	+	1.04E-14	1.306E-13	-0.35238	hypo	sig	chr20_21608428
chr22	45308794	45308794	+	1.04E-14	1.3061E-13	-0.34315	hypo	sig	chr22_45308794
chr16	89201618	89201618	+	1.041E-14	1.3076E-13	0.203547	hyper	sig	chr16_89201618
chr7	45575857	45575857	+	1.042E-14	1.3085E-13	0.232653	hyper	sig	chr7_45575857

chr13	40188051	40188051	+	1.042E-14	1.3087E-13	-0.21421	hypo	sig	chr13_40188051
chr15	23073976	23073976	+	1.043E-14	1.3102E-13	-0.28404	hypo	sig	chr15_23073976
chr13	20717929	20717929	+	1.044E-14	1.311E-13	-0.21134	hypo	sig	chr13_20717929
chr7	27142039	27142039	+	1.044E-14	1.3114E-13	0.20155	hyper	sig	chr7_27142039
chr21	41068773	41068773	+	1.045E-14	1.3122E-13	-0.24749	hypo	sig	chr21_41068773
chr15	33311682	33311682	+	1.045E-14	1.3122E-13	0.228672	hyper	sig	chr15_33311682
chr21	37675657	37675657	+	1.045E-14	1.3127E-13	0.25254	hyper	sig	chr21_37675657
chr5	1.41E+08	140882736	+	1.046E-14	1.3138E-13	0.234834	hyper	sig	chr5_140882736
chr16	88100748	88100748	+	1.047E-14	1.3151E-13	0.34456	hyper	sig	chr16_88100748
chr13	36432597	36432597	+	1.048E-14	1.3158E-13	0.303111	hyper	sig	chr13_36432597
chr5	1.29E+08	128537623	+	1.048E-14	1.316E-13	0.216528	hyper	sig	chr5_128537623
chr5	1.8E+08	179679357	+	1.048E-14	1.3161E-13	0.304609	hyper	sig	chr5_179679357
chr6	50836515	50836515	+	1.048E-14	1.3162E-13	0.256033	hyper	sig	chr6_50836515
chr12	34605385	34605385	+	1.048E-14	1.3162E-13	0.217042	hyper	sig	chr12_34605385
chr11	22432589	22432589	+	1.049E-14	1.3176E-13	0.242806	hyper	sig	chr11_22432589
chr9	1.31E+08	130663284	+	1.049E-14	1.3176E-13	0.254535	hyper	sig	chr9_130663284
chr14	28765752	28765752	+	1.05E-14	1.3178E-13	0.26259	hyper	sig	chr14_28765752
chr10	1.01E+08	101236383	+	1.05E-14	1.318E-13	0.228442	hyper	sig	chr10_101236383
chr5	1.41E+08	141355284	+	1.051E-14	1.3198E-13	0.26175	hyper	sig	chr5_141355284
chr15	63597512	63597512	+	1.052E-14	1.3211E-13	0.260787	hyper	sig	chr15_63597512
chr19	23204190	23204190	+	1.054E-14	1.3228E-13	0.277856	hyper	sig	chr19_23204190
chr12	63821858	63821858	+	1.055E-14	1.3239E-13	0.25043	hyper	sig	chr12_63821858
chr3	1.85E+08	184592727	+	1.055E-14	1.3239E-13	0.278925	hyper	sig	chr3_184592727
chr10	612698	612698	+	1.055E-14	1.3244E-13	0.208801	hyper	sig	chr10_612698
chr17	75124862	75124862	+	1.055E-14	1.3244E-13	-0.23854	hypo	sig	chr17_75124862
chr19	56393294	56393294	+	1.055E-14	1.3246E-13	0.233841	hyper	sig	chr19_56393294
chr18	47249169	47249169	+	1.056E-14	1.3251E-13	0.287441	hyper	sig	chr18_47249169
chr17	40355323	40355323	+	1.056E-14	1.3253E-13	0.293277	hyper	sig	chr17_40355323
chr17	4641786	4641786	+	1.056E-14	1.3258E-13	0.200365	hyper	sig	chr17_4641786
chr14	1.04E+08	104357662	+	1.057E-14	1.3261E-13	-0.30074	hypo	sig	chr14_104357662
chr5	1.58E+08	157564523	+	1.057E-14	1.3271E-13	-0.23149	hypo	sig	chr5_157564523
chr16	67977285	67977285	+	1.058E-14	1.3277E-13	-0.25114	hypo	sig	chr16_67977285
chr4	54103858	54103858	+	1.058E-14	1.3281E-13	0.279051	hyper	sig	chr4_54103858
chr16	56190973	56190973	+	1.058E-14	1.3282E-13	0.228623	hyper	sig	chr16_56190973
chr12	1.27E+08	126736106	+	1.058E-14	1.3282E-13	-0.22739	hypo	sig	chr12_126736106
chr3	1.84E+08	184308963	+	1.059E-14	1.3286E-13	0.220005	hyper	sig	chr3_184308963
chr15	51829345	51829345	+	1.059E-14	1.3296E-13	-0.20858	hypo	sig	chr15_51829345
chr6	50714711	50714711	+	1.06E-14	1.3307E-13	0.216966	hyper	sig	chr6_50714711
chr5	1.41E+08	140877646	+	1.061E-14	1.3319E-13	0.254583	hyper	sig	chr5_140877646
chr2	2.33E+08	232634021	+	1.062E-14	1.3323E-13	0.256456	hyper	sig	chr2_232634021
chr5	769976	769976	+	1.062E-14	1.3323E-13	-0.26844	hypo	sig	chr5_769976
chr2	2.22E+08	222302840	+	1.062E-14	1.3324E-13	0.228254	hyper	sig	chr2_222302840
chr20	844978	844978	+	1.063E-14	1.3333E-13	0.200411	hyper	sig	chr20_844978
chr20	60472446	60472446	+	1.063E-14	1.3334E-13	-0.30037	hypo	sig	chr20_60472446
chr5	10562956	10562956	+	1.063E-14	1.3337E-13	0.28504	hyper	sig	chr5_10562956
chr6	1.34E+08	133889554	+	1.063E-14	1.3339E-13	0.300205	hyper	sig	chr6_133889554
chr2	1.23E+08	122661198	+	1.063E-14	1.3342E-13	0.283725	hyper	sig	chr2_122661198
chr11	68854799	68854799	+	1.064E-14	1.3348E-13	0.301007	hyper	sig	chr11_68854799
chr17	75550063	75550063	+	1.064E-14	1.3353E-13	-0.2447	hypo	sig	chr17_75550063
chr22	46063498	46063498	+	1.065E-14	1.3357E-13	0.214149	hyper	sig	chr22_46063498
chr10	1.23E+08	123147212	+	1.066E-14	1.3376E-13	0.259759	hyper	sig	chr10_123147212
chr7	42238420	42238420	+	1.068E-14	1.3397E-13	0.292729	hyper	sig	chr7_42238420
chr7	1.28E+08	128201723	+	1.068E-14	1.3399E-13	0.268612	hyper	sig	chr7_128201723
chr15	60396830	60396830	+	1.068E-14	1.3399E-13	-0.21642	hypo	sig	chr15_60396830
chr14	1.01E+08	100832550	+	1.069E-14	1.3408E-13	-0.23572	hypo	sig	chr14_100832550
chr16	88413125	88413125	+	1.069E-14	1.3415E-13	-0.24561	hypo	sig	chr16_88413125

chr16	88297341	88297341	+	1.069E-14	1.3415E-13	-0.22924	hypo	sig	chr16_88297341
chr10	949209	949209	+	1.07E-14	1.3423E-13	-0.23943	hypo	sig	chr10_949209
chr11	78660042	78660042	+	1.07E-14	1.3424E-13	-0.29049	hypo	sig	chr11_78660042
chr15	83283659	83283659	+	1.07E-14	1.3425E-13	0.213239	hyper	sig	chr15_83283659
chr4	1407703	1407703	+	1.07E-14	1.3429E-13	0.42406	hyper	sig	chr4_1407703
chr1	2381036	2381036	+	1.071E-14	1.3431E-13	0.222096	hyper	sig	chr1_2381036
chr9	95086200	95086200	+	1.071E-14	1.344E-13	0.25202	hyper	sig	chr9_95086200
chr7	97732064	97732064	+	1.071E-14	1.344E-13	0.233426	hyper	sig	chr7_97732064
chr6	1.46E+08	146027740	+	1.072E-14	1.3444E-13	0.276686	hyper	sig	chr6_146027740
chr17	82321426	82321426	+	1.072E-14	1.3447E-13	-0.28061	hypo	sig	chr17_82321426
chr21	26967731	26967731	+	1.072E-14	1.3448E-13	0.271191	hyper	sig	chr21_26967731
chr4	3414223	3414223	+	1.072E-14	1.3452E-13	0.214424	hyper	sig	chr4_3414223
chr7	1296445	1296445	+	1.073E-14	1.3457E-13	-0.27521	hypo	sig	chr7_1296445
chr1	1.46E+08	145960363	+	1.074E-14	1.3472E-13	0.25411	hyper	sig	chr1_145960363
chr13	22897814	22897814	+	1.074E-14	1.3474E-13	-0.28153	hypo	sig	chr13_22897814
chr19	37551338	37551338	+	1.075E-14	1.3479E-13	0.350624	hyper	sig	chr19_37551338
chr12	7440089	7440089	+	1.075E-14	1.3486E-13	0.204943	hyper	sig	chr12_7440089
chr1	2.34E+08	234356790	+	1.076E-14	1.3494E-13	-0.21782	hypo	sig	chr1_234356790
chr11	31814081	31814081	+	1.077E-14	1.3505E-13	0.340345	hyper	sig	chr11_31814081
chr21	44709325	44709325	+	1.077E-14	1.3507E-13	0.26422	hyper	sig	chr21_44709325
chr1	50047989	50047989	+	1.077E-14	1.351E-13	0.257536	hyper	sig	chr1_50047989
chr12	1.32E+08	132271761	+	1.077E-14	1.3511E-13	-0.26245	hypo	sig	chr12_132271761
chr7	1.51E+08	151443097	+	1.079E-14	1.3526E-13	-0.35201	hypo	sig	chr7_151443097
chr20	62220921	62220921	+	1.079E-14	1.3526E-13	0.292628	hyper	sig	chr20_62220921
chr2	2.41E+08	240868587	+	1.079E-14	1.3526E-13	-0.26689	hypo	sig	chr2_240868587
chr18	905116	905116	+	1.079E-14	1.3535E-13	0.295235	hyper	sig	chr18_905116
chr2	2.19E+08	219448692	+	1.079E-14	1.3535E-13	0.309816	hyper	sig	chr2_219448692
chr2	2.17E+08	216694231	+	1.08E-14	1.3538E-13	0.287781	hyper	sig	chr2_216694231
chr7	1.3E+08	130491297	+	1.08E-14	1.3548E-13	0.20049	hyper	sig	chr7_130491297
chr2	2.42E+08	241843064	+	1.081E-14	1.3553E-13	-0.22415	hypo	sig	chr2_241843064
chr6	32067875	32067875	+	1.081E-14	1.3559E-13	-0.20982	hypo	sig	chr6_32067875
chr7	1.21E+08	120989667	+	1.082E-14	1.3568E-13	0.291773	hyper	sig	chr7_120989667
chr3	3806431	3806431	+	1.083E-14	1.3577E-13	-0.24626	hypo	sig	chr3_3806431
chr20	21397573	21397573	+	1.083E-14	1.3579E-13	0.269642	hyper	sig	chr20_21397573
chr10	1.32E+08	132037951	+	1.083E-14	1.3581E-13	-0.22415	hypo	sig	chr10_132037951
chr13	94601422	94601422	+	1.084E-14	1.3586E-13	0.21829	hyper	sig	chr13_94601422
chr11	31987279	31987279	+	1.085E-14	1.3597E-13	0.313594	hyper	sig	chr11_31987279
chr5	1.41E+08	141121869	+	1.086E-14	1.3613E-13	0.216307	hyper	sig	chr5_141121869
chr16	920346	920346	+	1.086E-14	1.3618E-13	0.239055	hyper	sig	chr16_920346
chr1	65526082	65526082	+	1.086E-14	1.362E-13	0.284758	hyper	sig	chr1_65526082
chr1	1.11E+08	110675581	+	1.087E-14	1.3633E-13	0.300038	hyper	sig	chr1_110675581
chr5	1.41E+08	141121805	+	1.088E-14	1.3642E-13	0.225282	hyper	sig	chr5_141121805
chr16	986201	986201	+	1.089E-14	1.3649E-13	-0.21676	hypo	sig	chr16_986201
chr21	30425867	30425867	+	1.09E-14	1.3663E-13	-0.29056	hypo	sig	chr21_30425867
chr12	1.14E+08	114444779	+	1.09E-14	1.3669E-13	0.269245	hyper	sig	chr12_114444779
chr7	1.29E+08	128915607	+	1.091E-14	1.3679E-13	0.261882	hyper	sig	chr7_128915607
chr7	1.07E+08	107386456	+	1.092E-14	1.3685E-13	0.2457	hyper	sig	chr7_107386456
chr19	47448014	47448014	+	1.093E-14	1.3693E-13	0.287	hyper	sig	chr19_47448014
chr6	44138665	44138665	+	1.093E-14	1.3698E-13	0.309169	hyper	sig	chr6_44138665
chr20	61885143	61885143	+	1.094E-14	1.3709E-13	-0.29525	hypo	sig	chr20_61885143
chr7	8435615	8435615	+	1.095E-14	1.3724E-13	0.344849	hyper	sig	chr7_8435615
chr12	1.25E+08	124739014	+	1.095E-14	1.3726E-13	-0.25111	hypo	sig	chr12_124739014
chr7	2019811	2019811	+	1.096E-14	1.3734E-13	-0.28538	hypo	sig	chr7_2019811
chr7	35254920	35254920	+	1.097E-14	1.3749E-13	0.383627	hyper	sig	chr7_35254920
chr2	96833208	96833208	+	1.098E-14	1.3759E-13	0.284818	hyper	sig	chr2_96833208
chr2	39779814	39779814	+	1.1E-14	1.3786E-13	0.23001	hyper	sig	chr2_39779814

chr7	15685512	15685512	+	1.101E-14	1.3791E-13	0.265461	hyper	sig	chr7_15685512
chr6	1E+08	100463811	+	1.101E-14	1.3793E-13	0.229314	hyper	sig	chr6_100463811
chr16	66579252	66579252	+	1.101E-14	1.3795E-13	0.202317	hyper	sig	chr16_66579252
chr20	3663627	3663627	+	1.101E-14	1.3795E-13	-0.23069	hypo	sig	chr20_3663627
chr1	1599099	1599099	+	1.102E-14	1.3803E-13	0.286693	hyper	sig	chr1_1599099
chr14	20625842	20625842	+	1.102E-14	1.381E-13	0.225433	hyper	sig	chr14_20625842
chr3	5096050	5096050	+	1.102E-14	1.381E-13	0.226553	hyper	sig	chr3_5096050
chr22	38089787	38089787	+	1.102E-14	1.3812E-13	0.271073	hyper	sig	chr22_38089787
chr3	52999099	52999099	+	1.103E-14	1.3813E-13	-0.21338	hypo	sig	chr3_52999099
chr11	1.16E+08	116357592	+	1.103E-14	1.3819E-13	-0.31505	hypo	sig	chr11_116357592
chr1	1.13E+08	112747393	+	1.104E-14	1.3833E-13	-0.23529	hypo	sig	chr1_112747393
chr10	1.33E+08	132879150	+	1.104E-14	1.3835E-13	-0.34808	hypo	sig	chr10_132879150
chr2	2.32E+08	231927140	+	1.105E-14	1.3844E-13	0.226988	hyper	sig	chr2_231927140
chr8	1.08E+08	108082320	+	1.105E-14	1.3844E-13	0.237304	hyper	sig	chr8_108082320
chr13	1.14E+08	114021349	+	1.106E-14	1.3854E-13	-0.20341	hypo	sig	chr13_114021349
chr7	1.22E+08	122316792	+	1.106E-14	1.3857E-13	0.243082	hyper	sig	chr7_122316792
chr12	1.3E+08	130105652	+	1.106E-14	1.3857E-13	0.214331	hyper	sig	chr12_130105652
chr12	53930835	53930835	+	1.107E-14	1.3862E-13	0.221504	hyper	sig	chr12_53930835
chr3	1.3E+08	130003849	+	1.107E-14	1.3869E-13	-0.34033	hypo	sig	chr3_130003849
chr6	1.51E+08	151350569	+	1.107E-14	1.3872E-13	-0.26242	hypo	sig	chr6_151350569
chr4	52862745	52862745	+	1.108E-14	1.388E-13	0.266597	hyper	sig	chr4_52862745
chr1	2.27E+08	227493130	+	1.109E-14	1.3892E-13	-0.21605	hypo	sig	chr1_227493130
chr14	57866446	57866446	+	1.109E-14	1.3893E-13	0.208852	hyper	sig	chr14_57866446
chr2	68320030	68320030	+	1.11E-14	1.3899E-13	0.289403	hyper	sig	chr2_68320030
chr19	11480417	11480417	+	1.11E-14	1.39E-13	0.295672	hyper	sig	chr19_11480417
chr17	45395590	45395590	+	1.11E-14	1.3902E-13	0.317826	hyper	sig	chr17_45395590
chr7	96997515	96997515	+	1.11E-14	1.3906E-13	0.325624	hyper	sig	chr7_96997515
chr7	20793443	20793443	+	1.111E-14	1.3909E-13	0.295437	hyper	sig	chr7_20793443
chr2	66445707	66445707	+	1.111E-14	1.391E-13	0.241408	hyper	sig	chr2_66445707
chr16	88842071	88842071	+	1.111E-14	1.3917E-13	-0.27132	hypo	sig	chr16_88842071
chr11	1.19E+08	119423151	+	1.112E-14	1.3928E-13	0.20494	hyper	sig	chr11_119423151
chr11	69655062	69655062	+	1.113E-14	1.3935E-13	-0.22431	hypo	sig	chr11_69655062
chr14	28774976	28774976	+	1.113E-14	1.3943E-13	0.250624	hyper	sig	chr14_28774976
chr6	30451766	30451766	+	1.114E-14	1.395E-13	0.25214	hyper	sig	chr6_30451766
chr12	1.32E+08	132062161	+	1.115E-14	1.3959E-13	0.267148	hyper	sig	chr12_132062161
chr1	1.51E+08	150549891	+	1.116E-14	1.397E-13	0.245776	hyper	sig	chr1_150549891
chr10	1.33E+08	132785054	+	1.116E-14	1.3973E-13	0.365079	hyper	sig	chr10_132785054
chr4	41751313	41751313	+	1.116E-14	1.3975E-13	0.270748	hyper	sig	chr4_41751313
chr3	48656177	48656177	+	1.117E-14	1.3982E-13	0.292857	hyper	sig	chr3_48656177
chr2	1479107	1479107	+	1.119E-14	1.4007E-13	0.227052	hyper	sig	chr2_1479107
chr9	1.37E+08	137175284	+	1.12E-14	1.4018E-13	0.30376	hyper	sig	chr9_137175284
chr13	78595554	78595554	+	1.12E-14	1.4019E-13	0.252285	hyper	sig	chr13_78595554
chr14	91575701	91575701	+	1.12E-14	1.4026E-13	-0.28959	hypo	sig	chr14_91575701
chr17	50596793	50596793	+	1.12E-14	1.4028E-13	-0.27647	hypo	sig	chr17_50596793
chr19	34905548	34905548	+	1.121E-14	1.4036E-13	0.273051	hyper	sig	chr19_34905548
chr2	2.19E+08	219219257	+	1.121E-14	1.4039E-13	0.202384	hyper	sig	chr2_219219257
chr7	23490887	23490887	+	1.122E-14	1.4041E-13	0.21184	hyper	sig	chr7_23490887
chr10	7407766	7407766	+	1.122E-14	1.4041E-13	0.28835	hyper	sig	chr10_7407766
chr12	1.14E+08	114404917	+	1.122E-14	1.4044E-13	0.217831	hyper	sig	chr12_114404917
chr1	2.1E+08	210325672	+	1.123E-14	1.4054E-13	-0.22648	hypo	sig	chr1_210325672
chr6	27495624	27495624	+	1.123E-14	1.4057E-13	0.222921	hyper	sig	chr6_27495624
chr15	92819501	92819501	+	1.123E-14	1.4058E-13	-0.2118	hypo	sig	chr15_92819501
chr1	3227087	3227087	+	1.123E-14	1.4059E-13	0.281837	hyper	sig	chr1_3227087
chr6	1.34E+08	133838210	+	1.123E-14	1.4062E-13	-0.24938	hypo	sig	chr6_133838210
chr3	1.26E+08	126394676	+	1.124E-14	1.4065E-13	0.264298	hyper	sig	chr3_126394676
chr4	1.54E+08	153789659	+	1.124E-14	1.4069E-13	0.246788	hyper	sig	chr4_153789659

chr11	1.12E+08	112499809	+	1.125E-14	1.4077E-13	-0.27671	hypo	sig	chr11_112499809
chr16	4680400	4680400	+	1.125E-14	1.4077E-13	-0.25476	hypo	sig	chr16_4680400
chr8	71558826	71558826	+	1.127E-14	1.4101E-13	0.249332	hyper	sig	chr8_71558826
chr22	17370986	17370986	+	1.127E-14	1.4107E-13	0.22022	hyper	sig	chr22_17370986
chr4	13537325	13537325	+	1.129E-14	1.4134E-13	-0.26232	hypo	sig	chr4_13537325
chr14	1.01E+08	101004962	+	1.13E-14	1.4146E-13	-0.31163	hypo	sig	chr14_101004962
chr19	35859577	35859577	+	1.131E-14	1.4152E-13	-0.29822	hypo	sig	chr19_35859577
chr11	2883431	2883431	+	1.131E-14	1.4157E-13	0.202228	hyper	sig	chr11_2883431
chr13	1.14E+08	114319808	+	1.133E-14	1.418E-13	0.287375	hyper	sig	chr13_114319808
chr11	45093286	45093286	+	1.133E-14	1.4181E-13	-0.29295	hypo	sig	chr11_45093286
chr4	41873529	41873529	+	1.134E-14	1.4195E-13	0.417349	hyper	sig	chr4_41873529
chr16	1992737	1992737	+	1.135E-14	1.4207E-13	0.314022	hyper	sig	chr16_1992737
chr15	96768807	96768807	+	1.136E-14	1.4213E-13	-0.20297	hypo	sig	chr15_96768807
chr19	47021877	47021877	+	1.136E-14	1.4215E-13	0.201506	hyper	sig	chr19_47021877
chr9	971714	971714	+	1.136E-14	1.4216E-13	0.34221	hyper	sig	chr9_971714
chr7	1556500	1556500	+	1.136E-14	1.4219E-13	-0.22704	hypo	sig	chr7_1556500
chr7	1231029	1231029	+	1.137E-14	1.4232E-13	0.280542	hyper	sig	chr7_1231029
chr7	34321387	34321387	+	1.138E-14	1.4241E-13	0.211169	hyper	sig	chr7_34321387
chr10	1.33E+08	132817111	+	1.139E-14	1.4245E-13	-0.26303	hypo	sig	chr10_132817111
chr4	4863204	4863204	+	1.139E-14	1.4249E-13	0.326437	hyper	sig	chr4_4863204
chr10	22345146	22345146	+	1.14E-14	1.4257E-13	0.205863	hyper	sig	chr10_22345146
chr3	42265342	42265342	+	1.141E-14	1.4271E-13	0.268519	hyper	sig	chr3_42265342
chr7	1.5E+08	150047952	+	1.141E-14	1.428E-13	0.225355	hyper	sig	chr7_150047952
chr15	74955772	74955772	+	1.143E-14	1.4296E-13	-0.24191	hypo	sig	chr15_74955772
chr4	1.74E+08	173531713	+	1.143E-14	1.4298E-13	0.247067	hyper	sig	chr4_173531713
chr19	48728959	48728959	+	1.143E-14	1.43E-13	0.299294	hyper	sig	chr19_48728959
chr11	65311503	65311503	+	1.144E-14	1.4305E-13	-0.26142	hypo	sig	chr11_65311503
chr2	1.45E+08	144524648	+	1.144E-14	1.4305E-13	0.228437	hyper	sig	chr2_144524648
chr10	84237463	84237463	+	1.144E-14	1.4307E-13	0.245071	hyper	sig	chr10_84237463
chr3	1.54E+08	154428085	+	1.144E-14	1.4312E-13	0.246566	hyper	sig	chr3_154428085
chr7	97021011	97021011	+	1.144E-14	1.4312E-13	0.202233	hyper	sig	chr7_97021011
chr9	1.35E+08	134526223	+	1.144E-14	1.4314E-13	-0.22149	hypo	sig	chr9_134526223
chr11	65641044	65641044	+	1.145E-14	1.4318E-13	-0.20704	hypo	sig	chr11_65641044
chr1	1.57E+08	156657286	+	1.145E-14	1.432E-13	0.319501	hyper	sig	chr1_156657286
chr7	1232879	1232879	+	1.147E-14	1.4347E-13	0.302959	hyper	sig	chr7_1232879
chr10	75238404	75238404	+	1.148E-14	1.4354E-13	-0.24592	hypo	sig	chr10_75238404
chr12	8019093	8019093	+	1.148E-14	1.436E-13	0.217968	hyper	sig	chr12_8019093
chr13	36430404	36430404	+	1.148E-14	1.436E-13	0.213344	hyper	sig	chr13_36430404
chr12	1.15E+08	114687336	+	1.148E-14	1.4362E-13	0.305061	hyper	sig	chr12_114687336
chr4	1.35E+08	134952961	+	1.149E-14	1.4368E-13	-0.25993	hypo	sig	chr4_134952961
chr19	15233335	15233335	+	1.149E-14	1.4373E-13	0.260372	hyper	sig	chr19_15233335
chr11	31796936	31796936	+	1.15E-14	1.4376E-13	0.30847	hyper	sig	chr11_31796936
chr19	50639313	50639313	+	1.15E-14	1.4377E-13	0.213027	hyper	sig	chr19_50639313
chr1	46485691	46485691	+	1.151E-14	1.4389E-13	0.263364	hyper	sig	chr1_46485691
chr19	345306	345306	+	1.151E-14	1.439E-13	0.238667	hyper	sig	chr19_345306
chr21	29079247	29079247	+	1.152E-14	1.4411E-13	-0.23745	hypo	sig	chr21_29079247
chr11	1.34E+08	133967513	+	1.153E-14	1.4416E-13	0.240461	hyper	sig	chr11_133967513
chr20	17315495	17315495	+	1.153E-14	1.442E-13	0.232558	hyper	sig	chr20_17315495
chr12	1.11E+08	111033733	+	1.153E-14	1.442E-13	0.312128	hyper	sig	chr12_111033733
chr2	1.82E+08	181684804	+	1.154E-14	1.443E-13	0.253862	hyper	sig	chr2_181684804
chr1	34977096	34977096	+	1.154E-14	1.4431E-13	0.305928	hyper	sig	chr1_34977096
chr7	4308094	4308094	+	1.154E-14	1.4432E-13	-0.2874	hypo	sig	chr7_4308094
chr19	39032986	39032986	+	1.154E-14	1.4434E-13	-0.20358	hypo	sig	chr19_39032986
chr17	48554599	48554599	+	1.155E-14	1.4441E-13	0.25567	hyper	sig	chr17_48554599
chr1	50427628	50427628	+	1.157E-14	1.446E-13	0.210248	hyper	sig	chr1_50427628
chr1	2.28E+08	228215426	+	1.157E-14	1.4463E-13	-0.28809	hypo	sig	chr1_228215426

chr19	29664215	29664215	+	1.157E-14	1.4465E-13	0.281375	hyper	sig	chr19_29664215
chr4	1.33E+08	133149186	+	1.158E-14	1.4475E-13	0.235607	hyper	sig	chr4_133149186
chr17	80942553	80942553	+	1.158E-14	1.4481E-13	0.290518	hyper	sig	chr17_80942553
chr1	1.55E+08	155062553	+	1.159E-14	1.4483E-13	0.251979	hyper	sig	chr1_155062553
chr17	74326451	74326451	+	1.159E-14	1.4495E-13	0.226736	hyper	sig	chr17_74326451
chr5	58583331	58583331	+	1.161E-14	1.4513E-13	0.234131	hyper	sig	chr5_58583331
chr10	1.18E+08	117532883	+	1.161E-14	1.4519E-13	0.226674	hyper	sig	chr10_117532883
chr8	1.44E+08	144336178	+	1.162E-14	1.4519E-13	0.270434	hyper	sig	chr8_144336178
chr14	74348428	74348428	+	1.162E-14	1.4526E-13	0.261294	hyper	sig	chr14_74348428
chr17	29155652	29155652	+	1.163E-14	1.4536E-13	-0.25132	hypo	sig	chr17_29155652
chr15	79090792	79090792	+	1.163E-14	1.4538E-13	0.310565	hyper	sig	chr15_79090792
chr1	12129773	12129773	+	1.163E-14	1.454E-13	-0.20962	hypo	sig	chr1_12129773
chr11	16610539	16610539	+	1.164E-14	1.455E-13	0.227832	hyper	sig	chr11_16610539
chr11	17720588	17720588	+	1.165E-14	1.4561E-13	0.315292	hyper	sig	chr11_17720588
chr1	1.98E+08	197910636	+	1.165E-14	1.4563E-13	0.23572	hyper	sig	chr1_197910636
chr5	1.59E+08	159104434	+	1.165E-14	1.4563E-13	0.350553	hyper	sig	chr5_159104434
chr6	1625166	1625166	+	1.165E-14	1.4564E-13	0.28016	hyper	sig	chr6_1625166
chr1	2.1E+08	210253005	+	1.166E-14	1.4573E-13	-0.22471	hypo	sig	chr1_210253005
chr17	40779624	40779624	+	1.167E-14	1.4579E-13	0.206844	hyper	sig	chr17_40779624
chr3	6862170	6862170	+	1.167E-14	1.4582E-13	0.389093	hyper	sig	chr3_6862170
chr5	1702111	1702111	+	1.167E-14	1.4582E-13	-0.2766	hypo	sig	chr5_1702111
chr9	1.36E+08	135740247	+	1.168E-14	1.4591E-13	-0.28875	hypo	sig	chr9_135740247
chr16	15146253	15146253	+	1.168E-14	1.46E-13	0.247112	hyper	sig	chr16_15146253
chr5	88659926	88659926	+	1.169E-14	1.4611E-13	0.245595	hyper	sig	chr5_88659926
chr15	60001904	60001904	+	1.169E-14	1.4613E-13	0.306558	hyper	sig	chr15_60001904
chr15	88769825	88769825	+	1.17E-14	1.4625E-13	0.256336	hyper	sig	chr15_88769825
chr17	82593820	82593820	+	1.171E-14	1.4628E-13	0.283779	hyper	sig	chr17_82593820
chr10	2936452	2936452	+	1.171E-14	1.4629E-13	-0.20781	hypo	sig	chr10_2936452
chr1	1.19E+08	118989470	+	1.171E-14	1.4633E-13	0.222195	hyper	sig	chr1_118989470
chr11	1.19E+08	118893192	+	1.171E-14	1.4637E-13	-0.21938	hypo	sig	chr11_118893192
chr12	51217128	51217128	+	1.172E-14	1.4639E-13	0.229946	hyper	sig	chr12_51217128
chr5	1.41E+08	141387842	+	1.173E-14	1.4655E-13	0.222096	hyper	sig	chr5_141387842
chr3	1.25E+08	124845388	+	1.173E-14	1.4655E-13	0.258832	hyper	sig	chr3_124845388
chr2	86789049	86789049	+	1.174E-14	1.4665E-13	0.259694	hyper	sig	chr2_86789049
chr20	21397589	21397589	+	1.174E-14	1.4667E-13	0.280078	hyper	sig	chr20_21397589
chr16	58024709	58024709	+	1.175E-14	1.4683E-13	-0.28307	hypo	sig	chr16_58024709
chr13	77918565	77918565	+	1.176E-14	1.4694E-13	0.22346	hyper	sig	chr13_77918565
chr16	1011960	1011960	+	1.177E-14	1.4708E-13	-0.25476	hypo	sig	chr16_1011960
chr8	17027803	17027803	+	1.179E-14	1.4721E-13	0.279101	hyper	sig	chr8_17027803
chr6	10422455	10422455	+	1.179E-14	1.4724E-13	0.256445	hyper	sig	chr6_10422455
chr15	96366155	96366155	+	1.179E-14	1.4727E-13	0.206573	hyper	sig	chr15_96366155
chr8	25001494	25001494	+	1.179E-14	1.4727E-13	0.229779	hyper	sig	chr8_25001494
chr10	1.33E+08	133264748	+	1.18E-14	1.4737E-13	-0.22859	hypo	sig	chr10_133264748
chr17	82321207	82321207	+	1.18E-14	1.4739E-13	-0.26099	hypo	sig	chr17_82321207
chr22	50281855	50281855	+	1.18E-14	1.4739E-13	-0.20909	hypo	sig	chr22_50281855
chr8	76683920	76683920	+	1.18E-14	1.4741E-13	0.247398	hyper	sig	chr8_76683920
chr17	82242857	82242857	+	1.181E-14	1.4752E-13	0.203927	hyper	sig	chr17_82242857
chr5	1.8E+08	179966923	+	1.181E-14	1.4752E-13	-0.23842	hypo	sig	chr5_179966923
chr8	1.43E+08	142564152	+	1.182E-14	1.4766E-13	-0.21397	hypo	sig	chr8_142564152
chr11	511689	511689	+	1.182E-14	1.4766E-13	0.229339	hyper	sig	chr11_511689
chr1	14599353	14599353	+	1.183E-14	1.4768E-13	0.269364	hyper	sig	chr1_14599353
chr10	1.01E+08	101139480	+	1.183E-14	1.4769E-13	0.287313	hyper	sig	chr10_101139480
chr7	1.58E+08	157541204	+	1.183E-14	1.4778E-13	-0.23802	hypo	sig	chr7_157541204
chr12	5430958	5430958	+	1.184E-14	1.478E-13	0.242247	hyper	sig	chr12_5430958
chr16	86931957	86931957	+	1.184E-14	1.4781E-13	0.301154	hyper	sig	chr16_86931957
chr12	1.29E+08	128976422	+	1.184E-14	1.4782E-13	0.222498	hyper	sig	chr12_128976422

chr16	88874803	88874803	+	1.184E-14	1.4788E-13	-0.22499	hypo	sig	chr16_88874803
chr2	1.63E+08	163348488	+	1.184E-14	1.4789E-13	0.21205	hyper	sig	chr2_163348488
chr10	1.25E+08	125138433	+	1.186E-14	1.4802E-13	-0.20181	hypo	sig	chr10_125138433
chr20	63361766	63361766	+	1.187E-14	1.4819E-13	0.227775	hyper	sig	chr20_63361766
chr5	1.41E+08	140802603	+	1.187E-14	1.4819E-13	0.31754	hyper	sig	chr5_140802603
chr8	67952314	67952314	+	1.188E-14	1.4826E-13	0.350387	hyper	sig	chr8_67952314
chr2	23617930	23617930	+	1.188E-14	1.4828E-13	0.370342	hyper	sig	chr2_23617930
chr17	81136160	81136160	+	1.188E-14	1.4831E-13	-0.22872	hypo	sig	chr17_81136160
chr1	1140910	1140910	+	1.189E-14	1.4842E-13	0.225173	hyper	sig	chr1_1140910
chr18	57428325	57428325	+	1.19E-14	1.4854E-13	0.306035	hyper	sig	chr18_57428325
chr6	35205757	35205757	+	1.191E-14	1.4865E-13	-0.25754	hypo	sig	chr6_35205757
chr11	27721797	27721797	+	1.193E-14	1.4898E-13	0.232866	hyper	sig	chr11_27721797
chr5	1553119	1553119	+	1.194E-14	1.4903E-13	0.219367	hyper	sig	chr5_1553119
chr12	176556	176556	+	1.194E-14	1.4906E-13	-0.24438	hypo	sig	chr12_176556
chr7	1.04E+08	103989574	+	1.195E-14	1.4911E-13	0.202605	hyper	sig	chr7_103989574
chr4	7500714	7500714	+	1.195E-14	1.4915E-13	-0.23671	hypo	sig	chr4_7500714
chr2	479045	479045	+	1.196E-14	1.4926E-13	-0.24738	hypo	sig	chr2_479045
chr2	1.72E+08	172428882	+	1.196E-14	1.4929E-13	-0.21045	hypo	sig	chr2_172428882
chr8	37831444	37831444	+	1.196E-14	1.4931E-13	-0.21425	hypo	sig	chr8_37831444
chr6	33189361	33189361	+	1.196E-14	1.4931E-13	-0.26505	hypo	sig	chr6_33189361
chr14	1.04E+08	104088471	+	1.196E-14	1.4933E-13	-0.24492	hypo	sig	chr14_104088471
chr7	35257451	35257451	+	1.197E-14	1.4939E-13	0.246438	hyper	sig	chr7_35257451
chr7	73373986	73373986	+	1.197E-14	1.494E-13	-0.33113	hypo	sig	chr7_73373986
chr3	11568844	11568844	+	1.197E-14	1.4942E-13	0.292443	hyper	sig	chr3_11568844
chr19	1439963	1439963	+	1.198E-14	1.4951E-13	-0.20025	hypo	sig	chr19_1439963
chr7	6871598	6871598	+	1.198E-14	1.4956E-13	-0.23652	hypo	sig	chr7_6871598
chr19	51724095	51724095	+	1.2E-14	1.4972E-13	0.27868	hyper	sig	chr19_51724095
chr16	87438172	87438172	+	1.2E-14	1.4974E-13	0.22127	hyper	sig	chr16_87438172
chr16	29664563	29664563	+	1.2E-14	1.4979E-13	-0.31214	hypo	sig	chr16_29664563
chr3	1.85E+08	184592723	+	1.201E-14	1.4992E-13	0.264701	hyper	sig	chr3_184592723
chr1	2073741	2073741	+	1.202E-14	1.4997E-13	0.321185	hyper	sig	chr1_2073741
chr6	1.67E+08	166672064	+	1.203E-14	1.5006E-13	-0.2368	hypo	sig	chr6_166672064
chr1	1.56E+08	156284358	+	1.204E-14	1.5019E-13	-0.25689	hypo	sig	chr1_156284358
chr1	2.35E+08	234885635	+	1.204E-14	1.5019E-13	0.250324	hyper	sig	chr1_234885635
chr13	91399203	91399203	+	1.204E-14	1.5023E-13	0.224792	hyper	sig	chr13_91399203
chr10	21507377	21507377	+	1.205E-14	1.503E-13	-0.33454	hypo	sig	chr10_21507377
chr1	6143940	6143940	+	1.206E-14	1.5044E-13	-0.23782	hypo	sig	chr1_6143940
chr2	1.13E+08	113276010	+	1.207E-14	1.5058E-13	0.23686	hyper	sig	chr2_113276010
chr12	1.24E+08	124395417	+	1.207E-14	1.5059E-13	0.299826	hyper	sig	chr12_124395417
chr20	21396396	21396396	+	1.207E-14	1.5062E-13	0.259294	hyper	sig	chr20_21396396
chr15	79091456	79091456	+	1.208E-14	1.5067E-13	0.2215	hyper	sig	chr15_79091456
chr7	1.41E+08	140527462	+	1.208E-14	1.5068E-13	-0.24716	hypo	sig	chr7_140527462
chr1	1.19E+08	118983545	+	1.208E-14	1.5071E-13	0.294791	hyper	sig	chr1_118983545
chr15	1E+08	100373754	+	1.208E-14	1.5075E-13	0.29149	hyper	sig	chr15_100373754
chr2	1.13E+08	113275938	+	1.209E-14	1.5081E-13	0.25911	hyper	sig	chr2_113275938
chr9	1.28E+08	128233975	+	1.209E-14	1.5087E-13	-0.34211	hypo	sig	chr9_128233975
chr1	92441826	92441826	+	1.211E-14	1.5108E-13	-0.29003	hypo	sig	chr1_92441826
chr17	79951497	79951497	+	1.211E-14	1.5108E-13	0.288804	hyper	sig	chr17_79951497
chr1	2.46E+08	245680880	+	1.212E-14	1.5117E-13	-0.20221	hypo	sig	chr1_245680880
chr17	4656813	4656813	+	1.214E-14	1.5137E-13	0.253922	hyper	sig	chr17_4656813
chr6	2637191	2637191	+	1.214E-14	1.5137E-13	-0.33031	hypo	sig	chr6_2637191
chr10	1.33E+08	132984043	+	1.214E-14	1.5141E-13	0.246435	hyper	sig	chr10_132984043
chr11	1.11E+08	111283974	+	1.215E-14	1.515E-13	-0.24622	hypo	sig	chr11_111283974
chr12	54047220	54047220	+	1.216E-14	1.5159E-13	0.28467	hyper	sig	chr12_54047220
chr21	26167902	26167902	+	1.217E-14	1.5179E-13	-0.21244	hypo	sig	chr21_26167902
chr19	52493222	52493222	+	1.217E-14	1.5179E-13	0.341653	hyper	sig	chr19_52493222

chr19	43642790	43642790	+	1.218E-14	1.5184E-13	-0.20106	hypo	sig	chr19_43642790
chr5	1.41E+08	141421894	+	1.218E-14	1.5186E-13	0.251748	hyper	sig	chr5_141421894
chr17	18188377	18188377	+	1.218E-14	1.5193E-13	0.202748	hyper	sig	chr17_18188377
chr7	8435566	8435566	+	1.219E-14	1.5197E-13	0.361498	hyper	sig	chr7_8435566
chr17	79397847	79397847	+	1.22E-14	1.5208E-13	-0.27957	hypo	sig	chr17_79397847
chr21	37567068	37567068	+	1.221E-14	1.5222E-13	-0.22142	hypo	sig	chr21_37567068
chr17	77286026	77286026	+	1.221E-14	1.5224E-13	-0.2589	hypo	sig	chr17_77286026
chr2	2.39E+08	239494028	+	1.221E-14	1.523E-13	-0.31264	hypo	sig	chr2_239494028
chr17	81941555	81941555	+	1.222E-14	1.5231E-13	-0.25763	hypo	sig	chr17_81941555
chr7	1.54E+08	153886529	+	1.223E-14	1.5244E-13	0.358209	hyper	sig	chr7_153886529
chr7	1.58E+08	157847197	+	1.223E-14	1.5246E-13	-0.25872	hypo	sig	chr7_157847197
chr19	11674303	11674303	+	1.223E-14	1.5252E-13	0.226698	hyper	sig	chr19_11674303
chr11	66676836	66676836	+	1.224E-14	1.5255E-13	0.231317	hyper	sig	chr11_66676836
chr2	1654500	1654500	+	1.224E-14	1.5259E-13	-0.29199	hypo	sig	chr2_1654500
chr7	1538159	1538159	+	1.225E-14	1.5274E-13	0.323554	hyper	sig	chr7_1538159
chr1	1.15E+08	115287180	+	1.225E-14	1.5275E-13	-0.29011	hypo	sig	chr1_115287180
chr10	99531273	99531273	+	1.225E-14	1.5276E-13	0.232495	hyper	sig	chr10_99531273
chr4	1.11E+08	110626923	+	1.227E-14	1.5303E-13	0.269118	hyper	sig	chr4_110626923
chr22	23573253	23573253	+	1.228E-14	1.5314E-13	-0.32894	hypo	sig	chr22_23573253
chr16	86733211	86733211	+	1.23E-14	1.5327E-13	0.278202	hyper	sig	chr16_86733211
chr5	1.41E+08	141135677	+	1.23E-14	1.5328E-13	0.312036	hyper	sig	chr5_141135677
chr7	1.56E+08	155576675	+	1.231E-14	1.5349E-13	-0.23587	hypo	sig	chr7_155576675
chr4	1.85E+08	185021147	+	1.232E-14	1.5359E-13	0.235926	hyper	sig	chr4_185021147
chr17	47848262	47848262	+	1.232E-14	1.5362E-13	0.316239	hyper	sig	chr17_47848262
chr1	2.1E+08	210272916	+	1.233E-14	1.5364E-13	-0.25829	hypo	sig	chr1_210272916
chr15	67048119	67048119	+	1.235E-14	1.5394E-13	-0.27298	hypo	sig	chr15_67048119
chr9	1.11E+08	110582335	+	1.235E-14	1.5398E-13	-0.2448	hypo	sig	chr9_110582335
chr17	49915016	49915016	+	1.235E-14	1.5399E-13	-0.2194	hypo	sig	chr17_49915016
chr13	26051110	26051110	+	1.236E-14	1.5405E-13	0.267645	hyper	sig	chr13_26051110
chr17	40191725	40191725	+	1.236E-14	1.5411E-13	0.304522	hyper	sig	chr17_40191725
chr16	1183923	1183923	+	1.237E-14	1.5419E-13	-0.23669	hypo	sig	chr16_1183923
chr15	67824133	67824133	+	1.237E-14	1.542E-13	0.236917	hyper	sig	chr15_67824133
chr16	57091822	57091822	+	1.237E-14	1.5422E-13	0.202869	hyper	sig	chr16_57091822
chr17	7447001	7447001	+	1.238E-14	1.543E-13	0.313192	hyper	sig	chr17_7447001
chr11	64341565	64341565	+	1.238E-14	1.5433E-13	0.213426	hyper	sig	chr11_64341565
chr10	649463	649463	+	1.239E-14	1.5441E-13	-0.24523	hypo	sig	chr10_649463
chr2	50347378	50347378	+	1.24E-14	1.5449E-13	0.249762	hyper	sig	chr2_50347378
chr2	2.39E+08	239111036	+	1.24E-14	1.5456E-13	0.272751	hyper	sig	chr2_239111036
chr11	64972126	64972126	+	1.241E-14	1.5462E-13	0.330863	hyper	sig	chr11_64972126
chr11	68371087	68371087	+	1.241E-14	1.5465E-13	0.24756	hyper	sig	chr11_68371087
chr8	13153292	13153292	+	1.242E-14	1.5477E-13	0.211859	hyper	sig	chr8_13153292
chr5	5883841	5883841	+	1.243E-14	1.5488E-13	-0.30744	hypo	sig	chr5_5883841
chr19	50608425	50608425	+	1.243E-14	1.5492E-13	0.28453	hyper	sig	chr19_50608425
chr8	41882220	41882220	+	1.244E-14	1.5501E-13	-0.23226	hypo	sig	chr8_41882220
chr3	75604439	75604439	+	1.244E-14	1.5501E-13	-0.36891	hypo	sig	chr3_75604439
chr15	81134334	81134334	+	1.244E-14	1.5501E-13	0.230619	hyper	sig	chr15_81134334
chr2	66071090	66071090	+	1.244E-14	1.5501E-13	0.262236	hyper	sig	chr2_66071090
chr14	36659913	36659913	+	1.245E-14	1.5509E-13	0.210321	hyper	sig	chr14_36659913
chr13	22938910	22938910	+	1.245E-14	1.551E-13	-0.20263	hypo	sig	chr13_22938910
chr16	998017	998017	+	1.246E-14	1.5519E-13	-0.30922	hypo	sig	chr16_998017
chr12	41189603	41189603	+	1.246E-14	1.5526E-13	0.255706	hyper	sig	chr12_41189603
chr5	1409716	1409716	+	1.246E-14	1.5527E-13	0.256098	hyper	sig	chr5_1409716
chr21	33020129	33020129	+	1.246E-14	1.5527E-13	0.263389	hyper	sig	chr21_33020129
chr11	2376293	2376293	+	1.247E-14	1.5533E-13	-0.23325	hypo	sig	chr11_2376293
chr6	84768812	84768812	+	1.247E-14	1.5534E-13	0.24352	hyper	sig	chr6_84768812
chr11	31824903	31824903	+	1.249E-14	1.5556E-13	0.232397	hyper	sig	chr11_31824903

chr16	86520766	86520766	+	1.25E-14	1.5574E-13	-0.27543	hypo	sig	chr16_86520766
chr11	1.08E+08	108499202	+	1.25E-14	1.5576E-13	0.231384	hyper	sig	chr11_108499202
chr15	90350061	90350061	+	1.251E-14	1.5583E-13	-0.25842	hypo	sig	chr15_90350061
chr2	63057005	63057005	+	1.252E-14	1.56E-13	0.212315	hyper	sig	chr2_63057005
chr1	33307357	33307357	+	1.252E-14	1.56E-13	0.342877	hyper	sig	chr1_33307357
chr16	30012273	30012273	+	1.252E-14	1.56E-13	0.271336	hyper	sig	chr16_30012273
chr4	84484144	84484144	+	1.253E-14	1.5601E-13	0.22041	hyper	sig	chr4_84484144
chr12	1.27E+08	127280739	+	1.253E-14	1.5612E-13	0.250638	hyper	sig	chr12_127280739
chr20	63064246	63064246	+	1.254E-14	1.5619E-13	-0.26532	hypo	sig	chr20_63064246
chr16	1281696	1281696	+	1.254E-14	1.5619E-13	-0.3185	hypo	sig	chr16_1281696
chr4	1.47E+08	146639012	+	1.254E-14	1.5621E-13	0.234592	hyper	sig	chr4_146639012
chr12	1.14E+08	114400813	+	1.254E-14	1.5623E-13	0.225538	hyper	sig	chr12_114400813
chr5	7877085	7877085	+	1.256E-14	1.5637E-13	-0.21976	hypo	sig	chr5_7877085
chr9	1.35E+08	134912296	+	1.258E-14	1.5661E-13	-0.24225	hypo	sig	chr9_134912296
chr6	33128205	33128205	+	1.259E-14	1.5673E-13	-0.20803	hypo	sig	chr6_33128205
chr9	95086529	95086529	+	1.259E-14	1.5673E-13	0.259243	hyper	sig	chr9_95086529
chr11	2460912	2460912	+	1.259E-14	1.5678E-13	-0.24915	hypo	sig	chr11_2460912
chr19	6271879	6271879	+	1.259E-14	1.5682E-13	0.340116	hyper	sig	chr19_6271879
chr22	43129324	43129324	+	1.26E-14	1.5685E-13	-0.3034	hypo	sig	chr22_43129324
chr2	2.42E+08	241659314	+	1.26E-14	1.5694E-13	0.30611	hyper	sig	chr2_241659314
chr19	41026104	41026104	+	1.261E-14	1.57E-13	0.236004	hyper	sig	chr19_41026104
chr16	268662	268662	+	1.262E-14	1.571E-13	-0.34077	hypo	sig	chr16_268662
chr6	1.46E+08	146029586	+	1.262E-14	1.571E-13	0.275528	hyper	sig	chr6_146029586
chr1	1.47E+08	147073279	+	1.262E-14	1.5717E-13	0.208979	hyper	sig	chr1_147073279
chr9	1.1E+08	109640602	+	1.262E-14	1.5717E-13	0.296501	hyper	sig	chr9_109640602
chr5	1.6E+08	159972689	+	1.262E-14	1.5718E-13	0.268922	hyper	sig	chr5_159972689
chr2	2.39E+08	238967799	+	1.263E-14	1.5726E-13	-0.21451	hypo	sig	chr2_238967799
chr2	1.2E+08	120358881	+	1.264E-14	1.5735E-13	-0.26354	hypo	sig	chr2_120358881
chr8	53877985	53877985	+	1.264E-14	1.5739E-13	0.251456	hyper	sig	chr8_53877985
chr4	44447665	44447665	+	1.264E-14	1.5743E-13	0.221669	hyper	sig	chr4_44447665
chr5	73298613	73298613	+	1.265E-14	1.5749E-13	0.322022	hyper	sig	chr5_73298613
chr16	4796151	4796151	+	1.266E-14	1.5758E-13	-0.29179	hypo	sig	chr16_4796151
chr3	85134176	85134176	+	1.267E-14	1.5775E-13	-0.23858	hypo	sig	chr3_85134176
chr18	62979421	62979421	+	1.268E-14	1.5784E-13	-0.21456	hypo	sig	chr18_62979421
chr3	1.43E+08	143121209	+	1.268E-14	1.5784E-13	0.256832	hyper	sig	chr3_143121209
chr10	1.33E+08	132940785	+	1.269E-14	1.5798E-13	-0.27793	hypo	sig	chr10_132940785
chr17	82000687	82000687	+	1.27E-14	1.5804E-13	-0.25355	hypo	sig	chr17_82000687
chr2	1.82E+08	181678979	+	1.27E-14	1.5808E-13	0.275277	hyper	sig	chr2_181678979
chr3	14574097	14574097	+	1.27E-14	1.5811E-13	-0.24414	hypo	sig	chr3_14574097
chr8	7147243	7147243	+	1.272E-14	1.5826E-13	0.201216	hyper	sig	chr8_7147243
chr3	11721846	11721846	+	1.272E-14	1.5834E-13	-0.24529	hypo	sig	chr3_11721846
chr1	2.03E+08	203027024	+	1.272E-14	1.5835E-13	0.264282	hyper	sig	chr1_203027024
chr19	46304403	46304403	+	1.273E-14	1.5847E-13	-0.2937	hypo	sig	chr19_46304403
chr19	41087265	41087265	+	1.273E-14	1.5848E-13	-0.27891	hypo	sig	chr19_41087265
chr16	67163628	67163628	+	1.274E-14	1.586E-13	0.328484	hyper	sig	chr16_67163628
chr22	39374375	39374375	+	1.275E-14	1.5872E-13	-0.22344	hypo	sig	chr22_39374375
chr18	78977613	78977613	+	1.275E-14	1.5873E-13	0.320023	hyper	sig	chr18_78977613
chr4	1405335	1405335	+	1.276E-14	1.5878E-13	0.313122	hyper	sig	chr4_1405335
chr6	50849427	50849427	+	1.276E-14	1.5881E-13	0.287283	hyper	sig	chr6_50849427
chr5	1.46E+08	146338997	+	1.276E-14	1.5883E-13	0.232661	hyper	sig	chr5_146338997
chr13	99958836	99958836	+	1.277E-14	1.5887E-13	0.276422	hyper	sig	chr13_99958836
chr10	1.24E+08	123972156	+	1.277E-14	1.5896E-13	0.302709	hyper	sig	chr10_123972156
chr3	1.43E+08	143121336	+	1.278E-14	1.5901E-13	0.266398	hyper	sig	chr3_143121336
chr8	1.44E+08	144429377	+	1.279E-14	1.5913E-13	-0.22097	hypo	sig	chr8_144429377
chr14	97219525	97219525	+	1.279E-14	1.5914E-13	0.214096	hyper	sig	chr14_97219525
chr19	23070568	23070568	+	1.279E-14	1.5921E-13	0.222796	hyper	sig	chr19_23070568

chr16	85112557	85112557	+	1.28E-14	1.5931E-13	-0.25558	hypo	sig	chr16_85112557
chr10	47311735	47311735	+	1.28E-14	1.5933E-13	-0.21385	hypo	sig	chr10_47311735
chr19	43699467	43699467	+	1.281E-14	1.5941E-13	0.278348	hyper	sig	chr19_43699467
chr20	45304285	45304285	+	1.282E-14	1.5948E-13	0.277868	hyper	sig	chr20_45304285
chr2	1.37E+08	136764784	+	1.282E-14	1.5951E-13	0.218746	hyper	sig	chr2_136764784
chr13	20301651	20301651	+	1.283E-14	1.5966E-13	0.333284	hyper	sig	chr13_20301651
chr3	1.3E+08	129528253	+	1.284E-14	1.5974E-13	-0.24403	hypo	sig	chr3_129528253
chr2	44934186	44934186	+	1.285E-14	1.5981E-13	0.280899	hyper	sig	chr2_44934186
chr9	1.27E+08	126520350	+	1.285E-14	1.5981E-13	0.233652	hyper	sig	chr9_126520350
chr22	44180942	44180942	+	1.285E-14	1.5987E-13	-0.2383	hypo	sig	chr22_44180942
chr6	77463453	77463453	+	1.287E-14	1.6013E-13	0.280714	hyper	sig	chr6_77463453
chr16	66925806	66925806	+	1.288E-14	1.6021E-13	0.237696	hyper	sig	chr16_66925806
chr12	1.33E+08	132908035	+	1.288E-14	1.6026E-13	0.251297	hyper	sig	chr12_132908035
chr11	78962147	78962147	+	1.289E-14	1.6032E-13	0.299569	hyper	sig	chr11_78962147
chr5	10562911	10562911	+	1.289E-14	1.6033E-13	0.278677	hyper	sig	chr5_10562911
chr6	1.18E+08	117920321	+	1.289E-14	1.6039E-13	0.241997	hyper	sig	chr6_117920321
chr5	1.29E+08	128536565	+	1.29E-14	1.605E-13	0.208584	hyper	sig	chr5_128536565
chr5	1.41E+08	141399641	+	1.293E-14	1.6085E-13	0.23913	hyper	sig	chr5_141399641
chr16	55480471	55480471	+	1.293E-14	1.6087E-13	0.20636	hyper	sig	chr16_55480471
chr5	43037530	43037530	+	1.293E-14	1.6087E-13	0.238454	hyper	sig	chr5_43037530
chr19	44776852	44776852	+	1.294E-14	1.609E-13	-0.34276	hypo	sig	chr19_44776852
chr12	1.08E+08	107646094	+	1.295E-14	1.6106E-13	0.279307	hyper	sig	chr12_107646094
chr8	1.42E+08	142454124	+	1.295E-14	1.6106E-13	-0.26097	hypo	sig	chr8_142454124
chr3	27728975	27728975	+	1.296E-14	1.6113E-13	0.229024	hyper	sig	chr3_27728975
chr19	58043098	58043098	+	1.296E-14	1.6115E-13	0.278082	hyper	sig	chr19_58043098
chr17	77373585	77373585	+	1.297E-14	1.6128E-13	0.286603	hyper	sig	chr17_77373585
chr1	26360752	26360752	+	1.297E-14	1.613E-13	0.255981	hyper	sig	chr1_26360752
chr12	53975313	53975313	+	1.297E-14	1.6132E-13	0.295211	hyper	sig	chr12_53975313
chr1	32991899	32991899	+	1.298E-14	1.6136E-13	-0.2251	hypo	sig	chr1_32991899
chr10	1.31E+08	131084844	+	1.298E-14	1.6141E-13	-0.30058	hypo	sig	chr10_131084844
chr9	1.37E+08	136844453	+	1.298E-14	1.6144E-13	0.24728	hyper	sig	chr9_136844453
chr17	601771	601771	+	1.299E-14	1.6149E-13	0.302476	hyper	sig	chr17_601771
chr2	1.44E+08	143937599	+	1.299E-14	1.6152E-13	0.223656	hyper	sig	chr2_143937599
chr4	80185512	80185512	+	1.299E-14	1.6154E-13	0.295945	hyper	sig	chr4_80185512
chr2	1.06E+08	106343004	+	1.3E-14	1.6163E-13	-0.28713	hypo	sig	chr2_106343004
chr2	1.6E+08	160405503	+	1.302E-14	1.6185E-13	0.202836	hyper	sig	chr2_160405503
chr3	1.47E+08	147397133	+	1.302E-14	1.6187E-13	0.328441	hyper	sig	chr3_147397133
chr7	1.58E+08	157709774	+	1.303E-14	1.6201E-13	-0.22762	hypo	sig	chr7_157709774
chr7	15687944	15687944	+	1.304E-14	1.6206E-13	0.208562	hyper	sig	chr7_15687944
chr5	1.72E+08	172189361	+	1.304E-14	1.6209E-13	0.236325	hyper	sig	chr5_172189361
chr4	1.87E+08	186659852	+	1.304E-14	1.621E-13	-0.22095	hypo	sig	chr4_186659852
chr17	40191512	40191512	+	1.304E-14	1.6211E-13	0.247426	hyper	sig	chr17_40191512
chr10	34974245	34974245	+	1.305E-14	1.6216E-13	-0.2915	hypo	sig	chr10_34974245
chr6	1.68E+08	167999397	+	1.305E-14	1.6223E-13	-0.20859	hypo	sig	chr6_167999397
chr16	2163708	2163708	+	1.306E-14	1.6233E-13	-0.25208	hypo	sig	chr16_2163708
chr7	35257670	35257670	+	1.306E-14	1.6237E-13	0.321307	hyper	sig	chr7_35257670
chr7	590885	590885	+	1.307E-14	1.6243E-13	0.221323	hyper	sig	chr7_590885
chr6	70282359	70282359	+	1.307E-14	1.6251E-13	0.287843	hyper	sig	chr6_70282359
chr17	40779679	40779679	+	1.308E-14	1.6255E-13	0.220978	hyper	sig	chr17_40779679
chr14	30875858	30875858	+	1.308E-14	1.6263E-13	0.310343	hyper	sig	chr14_30875858
chr6	41100884	41100884	+	1.309E-14	1.6269E-13	0.224022	hyper	sig	chr6_41100884
chr10	1.05E+08	104636818	+	1.31E-14	1.6278E-13	-0.24129	hypo	sig	chr10_104636818
chr6	1.69E+08	168938613	+	1.31E-14	1.6287E-13	-0.32051	hypo	sig	chr6_168938613
chr5	25911216	25911216	+	1.312E-14	1.63E-13	-0.46117	hypo	sig	chr5_25911216
chr19	45161351	45161351	+	1.313E-14	1.6322E-13	-0.22584	hypo	sig	chr19_45161351
chr11	1.3E+08	129743876	+	1.314E-14	1.6325E-13	-0.27223	hypo	sig	chr11_129743876

chr3	1.72E+08	172447781	+	1.314E-14	1.6327E-13	0.313275	hyper	sig	chr3_172447781
chr5	1.78E+08	178465757	+	1.314E-14	1.6333E-13	-0.26282	hypo	sig	chr5_178465757
chr21	26967654	26967654	+	1.316E-14	1.6347E-13	0.239788	hyper	sig	chr21_26967654
chr11	32438276	32438276	+	1.316E-14	1.6353E-13	0.317424	hyper	sig	chr11_32438276
chr9	33524611	33524611	+	1.316E-14	1.6357E-13	0.217097	hyper	sig	chr9_33524611
chr11	2135048	2135048	+	1.317E-14	1.6359E-13	-0.23106	hypo	sig	chr11_2135048
chr7	1.57E+08	157078527	+	1.318E-14	1.6373E-13	0.252706	hyper	sig	chr7_157078527
chr2	1.3E+08	129934688	+	1.318E-14	1.6377E-13	-0.23482	hypo	sig	chr2_129934688
chr1	1.13E+08	112744522	+	1.318E-14	1.6378E-13	0.215708	hyper	sig	chr1_112744522
chr8	1498170	1498170	+	1.319E-14	1.6388E-13	-0.28606	hypo	sig	chr8_1498170
chr1	8027340	8027340	+	1.319E-14	1.6394E-13	-0.22222	hypo	sig	chr1_8027340
chr19	58443642	58443642	+	1.32E-14	1.6395E-13	-0.24652	hypo	sig	chr19_58443642
chr5	1193969	1193969	+	1.321E-14	1.6409E-13	-0.29581	hypo	sig	chr5_1193969
chr5	1.41E+08	141173474	+	1.322E-14	1.6426E-13	0.206249	hyper	sig	chr5_141173474
chr6	596257	596257	+	1.322E-14	1.6426E-13	0.21628	hyper	sig	chr6_596257
chr22	31104873	31104873	+	1.323E-14	1.6433E-13	0.352086	hyper	sig	chr22_31104873
chr11	1.12E+08	111976926	+	1.323E-14	1.6438E-13	0.323541	hyper	sig	chr11_111976926
chr1	2.03E+08	203308916	+	1.323E-14	1.6441E-13	0.263772	hyper	sig	chr1_203308916
chr18	58255471	58255471	+	1.324E-14	1.6447E-13	0.234714	hyper	sig	chr18_58255471
chr5	38557222	38557222	+	1.325E-14	1.6461E-13	0.209801	hyper	sig	chr5_38557222
chr20	728827	728827	+	1.325E-14	1.6463E-13	0.281843	hyper	sig	chr20_728827
chr9	1.37E+08	136844425	+	1.325E-14	1.6464E-13	0.23024	hyper	sig	chr9_136844425
chr9	34651677	34651677	+	1.326E-14	1.6473E-13	0.225994	hyper	sig	chr9_34651677
chr7	1.29E+08	129166943	+	1.327E-14	1.6485E-13	-0.28702	hypo	sig	chr7_129166943
chr19	41331156	41331156	+	1.328E-14	1.6494E-13	-0.2735	hypo	sig	chr19_41331156
chr5	1.41E+08	141183684	+	1.329E-14	1.6502E-13	0.253766	hyper	sig	chr5_141183684
chr1	1.19E+08	119000733	+	1.33E-14	1.6521E-13	0.245473	hyper	sig	chr1_119000733
chr14	1.01E+08	100547721	+	1.333E-14	1.6551E-13	-0.33761	hypo	sig	chr14_100547721
chr2	1.28E+08	127652455	+	1.333E-14	1.6563E-13	0.250548	hyper	sig	chr2_127652455
chr6	44560984	44560984	+	1.335E-14	1.6577E-13	0.286579	hyper	sig	chr6_44560984
chr5	10631978	10631978	+	1.335E-14	1.6578E-13	-0.27642	hypo	sig	chr5_10631978
chr2	85134836	85134836	+	1.335E-14	1.6585E-13	0.249227	hyper	sig	chr2_85134836
chr7	6536746	6536746	+	1.335E-14	1.6587E-13	0.225369	hyper	sig	chr7_6536746
chr7	1736450	1736450	+	1.336E-14	1.6587E-13	-0.24522	hypo	sig	chr7_1736450
chr1	2.29E+08	229407170	+	1.336E-14	1.659E-13	0.245468	hyper	sig	chr1_229407170
chr6	1.5E+08	149954622	+	1.336E-14	1.6597E-13	0.219101	hyper	sig	chr6_149954622
chr12	1.27E+08	126727905	+	1.337E-14	1.6606E-13	0.259165	hyper	sig	chr12_126727905
chr22	18111413	18111413	+	1.337E-14	1.6608E-13	0.358024	hyper	sig	chr22_18111413
chr1	2.08E+08	207645245	+	1.338E-14	1.6612E-13	0.28963	hyper	sig	chr1_207645245
chr21	36696980	36696980	+	1.338E-14	1.6612E-13	0.359103	hyper	sig	chr21_36696980
chr18	48859909	48859909	+	1.339E-14	1.6624E-13	0.223539	hyper	sig	chr18_48859909
chr16	29149195	29149195	+	1.339E-14	1.6633E-13	-0.30151	hypo	sig	chr16_29149195
chr16	86511229	86511229	+	1.34E-14	1.6637E-13	0.230859	hyper	sig	chr16_86511229
chr3	1.57E+08	157120248	+	1.341E-14	1.6652E-13	-0.3306	hypo	sig	chr3_157120248
chr12	1.14E+08	113796278	+	1.341E-14	1.6654E-13	0.27739	hyper	sig	chr12_113796278
chr18	57441606	57441606	+	1.342E-14	1.6666E-13	0.233498	hyper	sig	chr18_57441606
chr17	4560741	4560741	+	1.342E-14	1.6669E-13	-0.2411	hypo	sig	chr17_4560741
chr14	53952940	53952940	+	1.343E-14	1.6677E-13	0.392353	hyper	sig	chr14_53952940
chr15	24878290	24878290	+	1.344E-14	1.6687E-13	0.268693	hyper	sig	chr15_24878290
chr16	67162796	67162796	+	1.345E-14	1.6702E-13	0.26114	hyper	sig	chr16_67162796
chr22	50547359	50547359	+	1.346E-14	1.6713E-13	0.26272	hyper	sig	chr22_50547359
chr11	69819024	69819024	+	1.346E-14	1.6715E-13	0.288606	hyper	sig	chr11_69819024
chr6	1.5E+08	149954768	+	1.347E-14	1.6718E-13	0.208723	hyper	sig	chr6_149954768
chr11	2266690	2266690	+	1.348E-14	1.6731E-13	-0.27978	hypo	sig	chr11_2266690
chr19	38302906	38302906	+	1.348E-14	1.6735E-13	-0.25364	hypo	sig	chr19_38302906
chr11	1.19E+08	119423156	+	1.349E-14	1.6744E-13	0.215226	hyper	sig	chr11_119423156

chr3	1.34E+08	133674277	+	1.349E-14	1.6748E-13	0.25813	hyper	sig	chr3_133674277
chr16	3950651	3950651	+	1.35E-14	1.6756E-13	-0.23361	hypo	sig	chr16_3950651
chr20	63006046	63006046	+	1.35E-14	1.6759E-13	0.243534	hyper	sig	chr20_63006046
chr16	1195599	1195599	+	1.35E-14	1.6763E-13	-0.39663	hypo	sig	chr16_1195599
chr2	2.07E+08	206641983	+	1.352E-14	1.6777E-13	0.212157	hyper	sig	chr2_206641983
chr18	37567127	37567127	+	1.353E-14	1.6794E-13	0.202825	hyper	sig	chr18_37567127
chr15	95326748	95326748	+	1.354E-14	1.6801E-13	0.261969	hyper	sig	chr15_95326748
chr16	86954241	86954241	+	1.354E-14	1.6808E-13	0.276095	hyper	sig	chr16_86954241
chr1	5847494	5847494	+	1.354E-14	1.681E-13	0.22572	hyper	sig	chr1_5847494
chr6	37658559	37658559	+	1.356E-14	1.6836E-13	-0.28828	hypo	sig	chr6_37658559
chr2	1.21E+08	120731341	+	1.357E-14	1.6837E-13	-0.23173	hypo	sig	chr2_120731341
chr10	1.01E+08	101291430	+	1.357E-14	1.6846E-13	0.218912	hyper	sig	chr10_101291430
chr5	73299845	73299845	+	1.358E-14	1.6856E-13	0.23953	hyper	sig	chr5_73299845
chr6	1.7E+08	170419717	+	1.358E-14	1.6857E-13	-0.25558	hypo	sig	chr6_170419717
chr16	49275219	49275219	+	1.359E-14	1.6861E-13	0.24475	hyper	sig	chr16_49275219
chr6	31862077	31862077	+	1.359E-14	1.6861E-13	0.254368	hyper	sig	chr6_31862077
chr1	1.15E+08	114854858	+	1.36E-14	1.6872E-13	0.217082	hyper	sig	chr1_114854858
chr2	2.42E+08	241659425	+	1.361E-14	1.6896E-13	0.217944	hyper	sig	chr2_241659425
chr10	79159485	79159485	+	1.362E-14	1.6897E-13	0.275596	hyper	sig	chr10_79159485
chr1	2.47E+08	246697142	+	1.362E-14	1.6905E-13	-0.26013	hypo	sig	chr1_246697142
chr19	2278735	2278735	+	1.362E-14	1.6905E-13	-0.24406	hypo	sig	chr19_2278735
chr12	1.32E+08	132439792	+	1.362E-14	1.6907E-13	-0.30927	hypo	sig	chr12_132439792
chr10	49133944	49133944	+	1.363E-14	1.6908E-13	-0.22513	hypo	sig	chr10_49133944
chr11	1.3E+08	130189754	+	1.363E-14	1.6908E-13	-0.2523	hypo	sig	chr11_130189754
chr7	4837278	4837278	+	1.363E-14	1.6913E-13	-0.23045	hypo	sig	chr7_4837278
chr19	4221680	4221680	+	1.365E-14	1.6937E-13	-0.22479	hypo	sig	chr19_4221680
chr2	1.05E+08	104659396	+	1.365E-14	1.6942E-13	0.298998	hyper	sig	chr2_104659396
chr4	80185492	80185492	+	1.367E-14	1.6958E-13	0.277283	hyper	sig	chr4_80185492
chr19	40567717	40567717	+	1.368E-14	1.6973E-13	0.301814	hyper	sig	chr19_40567717
chr12	6824523	6824523	+	1.369E-14	1.6982E-13	-0.32278	hypo	sig	chr12_6824523
chr21	37006301	37006301	+	1.37E-14	1.6994E-13	0.306569	hyper	sig	chr21_37006301
chr16	86931826	86931826	+	1.37E-14	1.6995E-13	0.272245	hyper	sig	chr16_86931826
chr12	54054097	54054097	+	1.37E-14	1.6998E-13	0.240523	hyper	sig	chr12_54054097
chr13	75269764	75269764	+	1.37E-14	1.7E-13	-0.2771	hypo	sig	chr13_75269764
chr11	31802692	31802692	+	1.372E-14	1.7014E-13	0.31849	hyper	sig	chr11_31802692
chr16	89620581	89620581	+	1.372E-14	1.7015E-13	0.266867	hyper	sig	chr16_89620581
chr1	54781602	54781602	+	1.372E-14	1.7019E-13	0.330864	hyper	sig	chr1_54781602
chr11	31798106	31798106	+	1.373E-14	1.7027E-13	0.240645	hyper	sig	chr11_31798106
chr16	1526009	1526009	+	1.373E-14	1.7027E-13	-0.21981	hypo	sig	chr16_1526009
chr7	1211504	1211504	+	1.373E-14	1.7034E-13	-0.26292	hypo	sig	chr7_1211504
chr6	1E+08	100467966	+	1.374E-14	1.704E-13	0.289206	hyper	sig	chr6_100467966
chr10	1.32E+08	132138204	+	1.374E-14	1.704E-13	-0.20768	hypo	sig	chr10_132138204
chr9	93954284	93954284	+	1.374E-14	1.704E-13	0.253793	hyper	sig	chr9_93954284
chr4	1.57E+08	157222332	+	1.374E-14	1.7042E-13	0.314807	hyper	sig	chr4_157222332
chr8	71844475	71844475	+	1.374E-14	1.7042E-13	0.267608	hyper	sig	chr8_71844475
chr6	30172106	30172106	+	1.375E-14	1.7048E-13	0.293723	hyper	sig	chr6_30172106
chr4	3407374	3407374	+	1.375E-14	1.7048E-13	0.200205	hyper	sig	chr4_3407374
chr7	76259897	76259897	+	1.376E-14	1.7064E-13	0.209297	hyper	sig	chr7_76259897
chr16	3189571	3189571	+	1.376E-14	1.707E-13	0.217536	hyper	sig	chr16_3189571
chr2	80303183	80303183	+	1.377E-14	1.708E-13	0.24573	hyper	sig	chr2_80303183
chr2	2.19E+08	219358563	+	1.378E-14	1.7085E-13	0.295455	hyper	sig	chr2_219358563
chr16	55656383	55656383	+	1.38E-14	1.7109E-13	0.202025	hyper	sig	chr16_55656383
chr2	2.33E+08	232637043	+	1.38E-14	1.7111E-13	-0.23426	hypo	sig	chr2_232637043
chr14	20999343	20999343	+	1.38E-14	1.7116E-13	0.227073	hyper	sig	chr14_20999343
chr16	31820088	31820088	+	1.381E-14	1.7119E-13	0.225441	hyper	sig	chr16_31820088
chr8	56117970	56117970	+	1.381E-14	1.7121E-13	0.252433	hyper	sig	chr8_56117970

chr12	49904188	49904188	+	1.381E-14	1.7122E-13	0.232374	hyper	sig	chr12_49904188
chr5	55220784	55220784	+	1.383E-14	1.7145E-13	0.210535	hyper	sig	chr5_55220784
chr16	88975631	88975631	+	1.384E-14	1.716E-13	-0.2522	hypo	sig	chr16_88975631
chr7	27122189	27122189	+	1.384E-14	1.7163E-13	-0.23587	hypo	sig	chr7_27122189
chr2	2.41E+08	240565743	+	1.385E-14	1.7169E-13	-0.25817	hypo	sig	chr2_240565743
chr6	1E+08	100454224	+	1.386E-14	1.7183E-13	0.21467	hyper	sig	chr6_100454224
chr6	27543132	27543132	+	1.387E-14	1.7197E-13	0.243203	hyper	sig	chr6_27543132
chr15	36888251	36888251	+	1.387E-14	1.72E-13	0.281533	hyper	sig	chr15_36888251
chr4	663264	663264	+	1.387E-14	1.7201E-13	0.262406	hyper	sig	chr4_663264
chr17	77453797	77453797	+	1.388E-14	1.7207E-13	-0.24679	hypo	sig	chr17_77453797
chr9	35689476	35689476	+	1.388E-14	1.7213E-13	0.242724	hyper	sig	chr9_35689476
chr14	1.07E+08	106802845	+	1.389E-14	1.7223E-13	-0.32375	hypo	sig	chr14_106802845
chr16	8885171	8885171	+	1.389E-14	1.7226E-13	-0.25402	hypo	sig	chr16_8885171
chr11	1.29E+08	128695231	+	1.39E-14	1.7227E-13	0.243628	hyper	sig	chr11_128695231
chr1	54781735	54781735	+	1.39E-14	1.723E-13	0.239663	hyper	sig	chr1_54781735
chr2	71466086	71466086	+	1.39E-14	1.7236E-13	0.238882	hyper	sig	chr2_71466086
chr11	79439058	79439058	+	1.391E-14	1.7243E-13	0.253641	hyper	sig	chr11_79439058
chr17	3924682	3924682	+	1.391E-14	1.7244E-13	0.275565	hyper	sig	chr17_3924682
chr22	31096706	31096706	+	1.392E-14	1.7251E-13	0.218706	hyper	sig	chr22_31096706
chr13	50843917	50843917	+	1.393E-14	1.7262E-13	0.30458	hyper	sig	chr13_50843917
chr6	32067917	32067917	+	1.394E-14	1.7274E-13	-0.22397	hypo	sig	chr6_32067917
chr2	25376619	25376619	+	1.394E-14	1.7275E-13	0.234944	hyper	sig	chr2_25376619
chr17	18634775	18634775	+	1.395E-14	1.7292E-13	0.245973	hyper	sig	chr17_18634775
chr10	1.3E+08	129954605	+	1.395E-14	1.7293E-13	-0.21192	hypo	sig	chr10_129954605
chr15	25182247	25182247	+	1.395E-14	1.7293E-13	-0.21158	hypo	sig	chr15_25182247
chr2	81467210	81467210	+	1.395E-14	1.7295E-13	-0.2266	hypo	sig	chr2_81467210
chr6	1.66E+08	165710204	+	1.397E-14	1.7318E-13	-0.20573	hypo	sig	chr6_165710204
chr6	12749120	12749120	+	1.398E-14	1.7333E-13	0.242583	hyper	sig	chr6_12749120
chr18	76016	76016	+	1.399E-14	1.7335E-13	0.341732	hyper	sig	chr18_76016
chr11	200062	200062	+	1.399E-14	1.734E-13	-0.22213	hypo	sig	chr11_200062
chr19	3369790	3369790	+	1.4E-14	1.7348E-13	0.268968	hyper	sig	chr19_3369790
chr17	50209503	50209503	+	1.4E-14	1.7355E-13	0.244917	hyper	sig	chr17_50209503
chr2	11785289	11785289	+	1.401E-14	1.7359E-13	0.216651	hyper	sig	chr2_11785289
chr3	1.84E+08	184338780	+	1.401E-14	1.7367E-13	0.263192	hyper	sig	chr3_184338780
chr10	22928262	22928262	+	1.401E-14	1.7368E-13	0.271078	hyper	sig	chr10_22928262
chr11	65297436	65297436	+	1.401E-14	1.7368E-13	0.23717	hyper	sig	chr11_65297436
chr22	46076633	46076633	+	1.402E-14	1.7375E-13	-0.29143	hypo	sig	chr22_46076633
chr16	87047218	87047218	+	1.403E-14	1.7383E-13	0.289659	hyper	sig	chr16_87047218
chr20	25246852	25246852	+	1.404E-14	1.7403E-13	-0.25147	hypo	sig	chr20_25246852
chr10	1.32E+08	131980124	+	1.405E-14	1.7407E-13	0.225028	hyper	sig	chr10_131980124
chr4	1.55E+08	154744489	+	1.405E-14	1.7407E-13	0.21076	hyper	sig	chr4_154744489
chr2	1.74E+08	174328715	+	1.405E-14	1.7412E-13	0.220766	hyper	sig	chr2_174328715
chr1	2.01E+08	201378355	+	1.406E-14	1.7417E-13	-0.2281	hypo	sig	chr1_201378355
chr2	1.09E+08	109175203	+	1.407E-14	1.7427E-13	-0.23024	hypo	sig	chr2_109175203
chr19	52369699	52369699	+	1.407E-14	1.7432E-13	0.258087	hyper	sig	chr19_52369699
chr12	1.14E+08	114447324	+	1.408E-14	1.7443E-13	0.244279	hyper	sig	chr12_114447324
chr10	1.27E+08	126906478	+	1.408E-14	1.7443E-13	0.299548	hyper	sig	chr10_126906478
chr10	23203987	23203987	+	1.409E-14	1.7454E-13	0.261338	hyper	sig	chr10_23203987
chr2	2.33E+08	233449304	+	1.41E-14	1.7464E-13	0.290327	hyper	sig	chr2_233449304
chr8	1636929	1636929	+	1.41E-14	1.747E-13	-0.25298	hypo	sig	chr8_1636929
chr6	1.46E+08	146029415	+	1.411E-14	1.7477E-13	0.269572	hyper	sig	chr6_146029415
chr12	1.03E+08	102950708	+	1.411E-14	1.748E-13	0.229642	hyper	sig	chr12_102950708
chr17	81255632	81255632	+	1.411E-14	1.7482E-13	0.270637	hyper	sig	chr17_81255632
chr19	5915033	5915033	+	1.411E-14	1.7483E-13	0.261614	hyper	sig	chr19_5915033
chr19	12195682	12195682	+	1.411E-14	1.7484E-13	0.271707	hyper	sig	chr19_12195682
chr8	1483109	1483109	+	1.413E-14	1.7503E-13	-0.31348	hypo	sig	chr8_1483109

chr6	1.37E+08	136920806	+	1.413E-14	1.7504E-13	0.208739	hyper	sig	chr6_136920806
chr14	73713244	73713244	+	1.414E-14	1.7511E-13	0.251282	hyper	sig	chr14_73713244
chr17	8327489	8327489	+	1.414E-14	1.7514E-13	0.27192	hyper	sig	chr17_8327489
chr10	79238373	79238373	+	1.416E-14	1.7538E-13	0.21225	hyper	sig	chr10_79238373
chr14	64502700	64502700	+	1.417E-14	1.7551E-13	-0.25803	hypo	sig	chr14_64502700
chr17	82321146	82321146	+	1.419E-14	1.757E-13	-0.32066	hypo	sig	chr17_82321146
chr7	1.35E+08	134565436	+	1.419E-14	1.7578E-13	-0.21549	hypo	sig	chr7_134565436
chr7	73607368	73607368	+	1.419E-14	1.7578E-13	0.335773	hyper	sig	chr7_73607368
chr6	1.34E+08	134176404	+	1.42E-14	1.7584E-13	0.2587	hyper	sig	chr6_134176404
chr16	85496338	85496338	+	1.422E-14	1.7606E-13	0.267437	hyper	sig	chr16_85496338
chr13	1.1E+08	110150453	+	1.422E-14	1.7615E-13	-0.21249	hypo	sig	chr13_110150453
chr10	1.3E+08	129960472	+	1.424E-14	1.7633E-13	0.271249	hyper	sig	chr10_129960472
chr4	1.84E+08	184001418	+	1.425E-14	1.7652E-13	-0.20072	hypo	sig	chr4_184001418
chr19	58562091	58562091	+	1.426E-14	1.766E-13	0.243985	hyper	sig	chr19_58562091
chr6	10422067	10422067	+	1.426E-14	1.7664E-13	0.202899	hyper	sig	chr6_10422067
chr16	88088154	88088154	+	1.427E-14	1.7667E-13	-0.25057	hypo	sig	chr16_88088154
chr12	1.14E+08	114405634	+	1.428E-14	1.7678E-13	0.28482	hyper	sig	chr12_114405634
chr4	8599822	8599822	+	1.428E-14	1.7684E-13	-0.31282	hypo	sig	chr4_8599822
chr19	52536041	52536041	+	1.428E-14	1.7688E-13	0.296834	hyper	sig	chr19_52536041
chr1	2433625	2433625	+	1.429E-14	1.7692E-13	-0.2787	hypo	sig	chr1_2433625
chr19	18225547	18225547	+	1.43E-14	1.7708E-13	0.34495	hyper	sig	chr19_18225547
chr7	99392253	99392253	+	1.43E-14	1.7708E-13	-0.22479	hypo	sig	chr7_99392253
chr2	1.72E+08	172109410	+	1.431E-14	1.7721E-13	0.273341	hyper	sig	chr2_172109410
chr1	7224166	7224166	+	1.432E-14	1.7733E-13	-0.20424	hypo	sig	chr1_7224166
chr8	22392466	22392466	+	1.433E-14	1.7745E-13	0.258648	hyper	sig	chr8_22392466
chr3	1.88E+08	187703322	+	1.433E-14	1.7746E-13	-0.20691	hypo	sig	chr3_187703322
chr8	1.44E+08	144429397	+	1.434E-14	1.7752E-13	-0.24915	hypo	sig	chr8_144429397
chr11	66559212	66559212	+	1.434E-14	1.7755E-13	0.319364	hyper	sig	chr11_66559212
chr9	41269596	41269596	+	1.434E-14	1.7757E-13	0.260046	hyper	sig	chr9_41269596
chr6	1.5E+08	149910858	+	1.434E-14	1.7757E-13	-0.26511	hypo	sig	chr6_149910858
chr6	70956451	70956451	+	1.434E-14	1.7758E-13	0.214846	hyper	sig	chr6_70956451
chr8	1.43E+08	142564140	+	1.435E-14	1.7767E-13	-0.23507	hypo	sig	chr8_142564140
chr22	42289999	42289999	+	1.436E-14	1.7773E-13	0.217994	hyper	sig	chr22_42289999
chr8	70034936	70034936	+	1.437E-14	1.779E-13	0.331334	hyper	sig	chr8_70034936
chr5	1.55E+08	154850558	+	1.437E-14	1.7795E-13	0.30874	hyper	sig	chr5_154850558
chr5	42994045	42994045	+	1.439E-14	1.7809E-13	0.219028	hyper	sig	chr5_42994045
chr2	1.19E+08	118851835	+	1.439E-14	1.7812E-13	0.259477	hyper	sig	chr2_118851835
chr10	1.19E+08	118595932	+	1.439E-14	1.7814E-13	0.400632	hyper	sig	chr10_118595932
chr5	1.41E+08	141135625	+	1.44E-14	1.7827E-13	0.282491	hyper	sig	chr5_141135625
chr2	2.42E+08	241659428	+	1.441E-14	1.7834E-13	0.210753	hyper	sig	chr2_241659428
chr2	1.15E+08	115163150	+	1.442E-14	1.7854E-13	0.272621	hyper	sig	chr2_115163150
chr7	1242510	1242510	+	1.444E-14	1.7876E-13	0.341439	hyper	sig	chr7_1242510
chr18	57441822	57441822	+	1.444E-14	1.7876E-13	0.228585	hyper	sig	chr18_57441822
chr14	35535909	35535909	+	1.445E-14	1.788E-13	0.276845	hyper	sig	chr14_35535909
chr15	84080244	84080244	+	1.445E-14	1.7884E-13	0.204377	hyper	sig	chr15_84080244
chr1	1.45E+08	144567577	+	1.445E-14	1.7884E-13	0.289355	hyper	sig	chr1_144567577
chr10	99330759	99330759	+	1.446E-14	1.7894E-13	0.203595	hyper	sig	chr10_99330759
chr7	97024494	97024494	+	1.449E-14	1.7934E-13	0.221745	hyper	sig	chr7_97024494
chr6	1.7E+08	170222936	+	1.45E-14	1.7941E-13	-0.24507	hypo	sig	chr6_170222936
chr3	1.23E+08	123447851	+	1.451E-14	1.7954E-13	0.27115	hyper	sig	chr3_123447851
chr19	57172465	57172465	+	1.451E-14	1.7963E-13	0.251419	hyper	sig	chr19_57172465
chr19	2306422	2306422	+	1.452E-14	1.7963E-13	-0.30974	hypo	sig	chr19_2306422
chr2	1.19E+08	118845521	+	1.452E-14	1.7973E-13	0.28441	hyper	sig	chr2_118845521
chr14	1.06E+08	105650216	+	1.453E-14	1.7974E-13	-0.26925	hypo	sig	chr14_105650216
chr15	26298648	26298648	+	1.454E-14	1.7988E-13	-0.31055	hypo	sig	chr15_26298648
chr13	78594284	78594284	+	1.454E-14	1.7988E-13	0.287118	hyper	sig	chr13_78594284

chr5	1.41E+08	141360235	+	1.454E-14	1.7996E-13	0.270675	hyper	sig	chr5_141360235
chr2	71453439	71453439	+	1.456E-14	1.801E-13	0.245077	hyper	sig	chr2_71453439
chr3	42686307	42686307	+	1.456E-14	1.8019E-13	0.323786	hyper	sig	chr3_42686307
chr12	1.3E+08	129700686	+	1.457E-14	1.8032E-13	-0.33394	hypo	sig	chr12_129700686
chr17	82593829	82593829	+	1.459E-14	1.8051E-13	0.276196	hyper	sig	chr17_82593829
chr13	1.13E+08	113022777	+	1.46E-14	1.8061E-13	0.248923	hyper	sig	chr13_113022777
chr20	728810	728810	+	1.46E-14	1.8065E-13	0.207261	hyper	sig	chr20_728810
chr17	80774134	80774134	+	1.46E-14	1.8068E-13	0.200085	hyper	sig	chr17_80774134
chr10	1.18E+08	117735091	+	1.462E-14	1.8083E-13	0.233064	hyper	sig	chr10_117735091
chr19	43388674	43388674	+	1.462E-14	1.8085E-13	-0.22197	hypo	sig	chr19_43388674
chr17	77373502	77373502	+	1.462E-14	1.8088E-13	0.237064	hyper	sig	chr17_77373502
chr4	81215380	81215380	+	1.464E-14	1.8107E-13	0.228663	hyper	sig	chr4_81215380
chr16	88436569	88436569	+	1.465E-14	1.812E-13	-0.3001	hypo	sig	chr16_88436569
chr9	1.37E+08	137199078	+	1.465E-14	1.8128E-13	-0.28268	hypo	sig	chr9_137199078
chr8	98948571	98948571	+	1.466E-14	1.813E-13	0.235268	hyper	sig	chr8_98948571
chr5	1.41E+08	141428114	+	1.466E-14	1.8138E-13	0.257835	hyper	sig	chr5_141428114
chr11	74731599	74731599	+	1.469E-14	1.8176E-13	0.279351	hyper	sig	chr11_74731599
chr5	1.38E+08	138257790	+	1.47E-14	1.8179E-13	0.261806	hyper	sig	chr5_138257790
chr5	759672	759672	+	1.47E-14	1.818E-13	0.213332	hyper	sig	chr5_759672
chr20	23034446	23034446	+	1.471E-14	1.819E-13	-0.27962	hypo	sig	chr20_23034446
chr5	1749102	1749102	+	1.471E-14	1.8197E-13	-0.20399	hypo	sig	chr5_1749102
chr2	38075996	38075996	+	1.471E-14	1.8198E-13	0.217834	hyper	sig	chr2_38075996
chr7	47610387	47610387	+	1.471E-14	1.8198E-13	0.246471	hyper	sig	chr7_47610387
chr2	70904451	70904451	+	1.472E-14	1.82E-13	0.296893	hyper	sig	chr2_70904451
chr7	1246705	1246705	+	1.472E-14	1.82E-13	0.231967	hyper	sig	chr7_1246705
chr10	1.02E+08	102410884	+	1.472E-14	1.8202E-13	0.220431	hyper	sig	chr10_102410884
chr11	1748282	1748282	+	1.472E-14	1.8206E-13	0.293045	hyper	sig	chr11_1748282
chr5	1.38E+08	138457975	+	1.473E-14	1.8212E-13	-0.24388	hypo	sig	chr5_138457975
chr10	1.14E+08	114320774	+	1.474E-14	1.8223E-13	-0.24905	hypo	sig	chr10_114320774
chr5	37835446	37835446	+	1.474E-14	1.8223E-13	0.245426	hyper	sig	chr5_37835446
chr17	81727592	81727592	+	1.474E-14	1.8226E-13	-0.25776	hypo	sig	chr17_81727592
chr8	10729457	10729457	+	1.474E-14	1.8233E-13	0.233354	hyper	sig	chr8_10729457
chr5	1.73E+08	173234041	+	1.475E-14	1.8239E-13	0.330402	hyper	sig	chr5_173234041
chr8	1294071	1294071	+	1.476E-14	1.8258E-13	-0.30574	hypo	sig	chr8_1294071
chr20	3168824	3168824	+	1.477E-14	1.8262E-13	-0.25563	hypo	sig	chr20_3168824
chr1	94540945	94540945	+	1.477E-14	1.8262E-13	-0.23444	hypo	sig	chr1_94540945
chr19	58009638	58009638	+	1.477E-14	1.8269E-13	0.270676	hyper	sig	chr19_58009638
chr21	44753297	44753297	+	1.478E-14	1.8271E-13	-0.27118	hypo	sig	chr21_44753297
chr9	1.04E+08	104200800	+	1.478E-14	1.8272E-13	-0.20386	hypo	sig	chr9_104200800
chr13	52826401	52826401	+	1.479E-14	1.8286E-13	-0.21351	hypo	sig	chr13_52826401
chr19	43798488	43798488	+	1.482E-14	1.8318E-13	-0.29809	hypo	sig	chr19_43798488
chr8	98973633	98973633	+	1.482E-14	1.8318E-13	0.253818	hyper	sig	chr8_98973633
chr12	1.31E+08	130971017	+	1.482E-14	1.8328E-13	-0.22822	hypo	sig	chr12_130971017
chr7	4143876	4143876	+	1.483E-14	1.8335E-13	-0.26889	hypo	sig	chr7_4143876
chr7	1.52E+08	151736194	+	1.483E-14	1.8336E-13	0.240288	hyper	sig	chr7_151736194
chr5	1.35E+08	134512120	+	1.483E-14	1.8336E-13	0.241457	hyper	sig	chr5_134512120
chr11	75428710	75428710	+	1.484E-14	1.8342E-13	0.220174	hyper	sig	chr11_75428710
chr5	1.41E+08	141421248	+	1.486E-14	1.8373E-13	0.266088	hyper	sig	chr5_141421248
chr1	965549	965549	+	1.486E-14	1.8373E-13	-0.20822	hypo	sig	chr1_965549
chr12	7440118	7440118	+	1.487E-14	1.8378E-13	0.211358	hyper	sig	chr12_7440118
chr9	1.35E+08	135089005	+	1.488E-14	1.8392E-13	0.29049	hyper	sig	chr9_135089005
chr1	98049531	98049531	+	1.488E-14	1.8395E-13	0.228466	hyper	sig	chr1_98049531
chr6	51949556	51949556	+	1.488E-14	1.8398E-13	-0.23776	hypo	sig	chr6_51949556
chr19	40513354	40513354	+	1.489E-14	1.8401E-13	0.378699	hyper	sig	chr19_40513354
chr19	57560227	57560227	+	1.489E-14	1.8401E-13	0.305627	hyper	sig	chr19_57560227
chr6	1.68E+08	168150699	+	1.489E-14	1.841E-13	-0.21677	hypo	sig	chr6_168150699

chr17	3924680	3924680	+	1.491E-14	1.8427E-13	0.281194	hyper	sig	chr17_3924680
chr17	81400737	81400737	+	1.491E-14	1.8432E-13	0.254241	hyper	sig	chr17_81400737
chr16	89370366	89370366	+	1.492E-14	1.8446E-13	0.315898	hyper	sig	chr16_89370366
chr7	1.58E+08	157688399	+	1.493E-14	1.8449E-13	0.255998	hyper	sig	chr7_157688399
chr1	1.54E+08	153536847	+	1.493E-14	1.8458E-13	-0.24768	hypo	sig	chr1_153536847
chr11	1.3E+08	130383898	+	1.494E-14	1.8464E-13	0.230703	hyper	sig	chr11_130383898
chr2	2027237	2027237	+	1.494E-14	1.8464E-13	-0.24257	hypo	sig	chr2_2027237
chr3	43996427	43996427	+	1.495E-14	1.848E-13	0.202667	hyper	sig	chr3_43996427
chr14	1.06E+08	105508989	+	1.497E-14	1.8497E-13	-0.26037	hypo	sig	chr14_105508989
chr1	36321108	36321108	+	1.497E-14	1.8498E-13	0.242155	hyper	sig	chr1_36321108
chr17	59565381	59565381	+	1.497E-14	1.8504E-13	0.260877	hyper	sig	chr17_59565381
chr12	1.11E+08	110936301	+	1.498E-14	1.8515E-13	-0.25507	hypo	sig	chr12_110936301
chr1	75133920	75133920	+	1.499E-14	1.8519E-13	0.223123	hyper	sig	chr1_75133920
chr7	838447	838447	+	1.499E-14	1.8524E-13	0.205134	hyper	sig	chr7_838447
chr1	1.83E+08	182956254	+	1.499E-14	1.8527E-13	-0.21734	hypo	sig	chr1_182956254
chr8	11679601	11679601	+	1.5E-14	1.8537E-13	0.288929	hyper	sig	chr8_11679601
chr4	8010611	8010611	+	1.5E-14	1.8538E-13	0.285211	hyper	sig	chr4_8010611
chr2	2.2E+08	219562126	+	1.502E-14	1.856E-13	-0.24904	hypo	sig	chr2_219562126
chr5	1.79E+08	179209962	+	1.502E-14	1.8561E-13	-0.23739	hypo	sig	chr5_179209962
chr12	56230158	56230158	+	1.503E-14	1.8564E-13	-0.27839	hypo	sig	chr12_56230158
chr6	1.42E+08	141562349	+	1.503E-14	1.8564E-13	-0.26016	hypo	sig	chr6_141562349
chr9	118038	118038	+	1.504E-14	1.8582E-13	0.43314	hyper	sig	chr9_118038
chr16	3018034	3018034	+	1.504E-14	1.8586E-13	0.232664	hyper	sig	chr16_3018034
chr7	47520617	47520617	+	1.505E-14	1.859E-13	0.277522	hyper	sig	chr7_47520617
chr15	52794627	52794627	+	1.505E-14	1.8592E-13	0.261589	hyper	sig	chr15_52794627
chr13	26558585	26558585	+	1.506E-14	1.8601E-13	0.240768	hyper	sig	chr13_26558585
chr10	1.01E+08	101146837	+	1.509E-14	1.8635E-13	0.235676	hyper	sig	chr10_101146837
chr11	64745811	64745811	+	1.51E-14	1.8648E-13	0.215862	hyper	sig	chr11_64745811
chr17	81911876	81911876	+	1.51E-14	1.865E-13	0.208135	hyper	sig	chr17_81911876
chr6	32153006	32153006	+	1.51E-14	1.865E-13	0.300379	hyper	sig	chr6_32153006
chr1	1357315	1357315	+	1.511E-14	1.8661E-13	0.217153	hyper	sig	chr1_1357315
chr8	1.42E+08	141724015	+	1.511E-14	1.8664E-13	0.271937	hyper	sig	chr8_141724015
chr14	1.03E+08	102555737	+	1.512E-14	1.867E-13	0.210314	hyper	sig	chr14_102555737
chr1	3063555	3063555	+	1.512E-14	1.8679E-13	0.265307	hyper	sig	chr1_3063555
chr20	62474859	62474859	+	1.512E-14	1.8681E-13	0.233501	hyper	sig	chr20_62474859
chr17	6655632	6655632	+	1.514E-14	1.8698E-13	0.238462	hyper	sig	chr17_6655632
chr6	1.58E+08	158322969	+	1.514E-14	1.8704E-13	-0.25089	hypo	sig	chr6_158322969
chr21	44425644	44425644	+	1.515E-14	1.8712E-13	-0.31578	hypo	sig	chr21_44425644
chr16	86503557	86503557	+	1.516E-14	1.8722E-13	0.211878	hyper	sig	chr16_86503557
chr5	1100420	1100420	+	1.516E-14	1.8722E-13	0.280412	hyper	sig	chr5_1100420
chr19	18918375	18918375	+	1.517E-14	1.8736E-13	-0.26722	hypo	sig	chr19_18918375
chr10	1.16E+08	116273492	+	1.519E-14	1.8754E-13	0.206141	hyper	sig	chr10_116273492
chr7	2512289	2512289	+	1.519E-14	1.8754E-13	-0.24336	hypo	sig	chr7_2512289
chr17	79748674	79748674	+	1.519E-14	1.8757E-13	0.229978	hyper	sig	chr17_79748674
chr19	36916674	36916674	+	1.519E-14	1.8761E-13	0.22331	hyper	sig	chr19_36916674
chr5	1.56E+08	155729299	+	1.52E-14	1.8765E-13	0.236461	hyper	sig	chr5_155729299
chr6	41239706	41239706	+	1.521E-14	1.8777E-13	0.274046	hyper	sig	chr6_41239706
chr3	1.38E+08	137767371	+	1.521E-14	1.8784E-13	0.209764	hyper	sig	chr3_137767371
chr6	32761665	32761665	+	1.522E-14	1.8787E-13	0.311118	hyper	sig	chr6_32761665
chr15	31483255	31483255	+	1.522E-14	1.8791E-13	0.298584	hyper	sig	chr15_31483255
chr10	80131842	80131842	+	1.522E-14	1.8795E-13	-0.2643	hypo	sig	chr10_80131842
chr12	55636458	55636458	+	1.523E-14	1.8797E-13	-0.24499	hypo	sig	chr12_55636458
chr7	1.17E+08	117322890	+	1.523E-14	1.8797E-13	0.288374	hyper	sig	chr7_117322890
chr5	1877864	1877864	+	1.523E-14	1.88E-13	0.306251	hyper	sig	chr5_1877864
chr13	1.11E+08	110645222	+	1.523E-14	1.8801E-13	0.201613	hyper	sig	chr13_110645222
chr1	2.48E+08	247855881	+	1.523E-14	1.8804E-13	-0.32264	hypo	sig	chr1_247855881

chr14	28774503	28774503	+	1.524E-14	1.8812E-13	0.268354	hyper	sig	chr14_28774503
chr2	66440865	66440865	+	1.524E-14	1.8812E-13	0.21861	hyper	sig	chr2_66440865
chr20	45308472	45308472	+	1.524E-14	1.8816E-13	0.257333	hyper	sig	chr20_45308472
chr17	50930970	50930970	+	1.525E-14	1.8825E-13	0.224666	hyper	sig	chr17_50930970
chr19	48480217	48480217	+	1.525E-14	1.883E-13	0.234199	hyper	sig	chr19_48480217
chr12	1.19E+08	118981320	+	1.526E-14	1.8835E-13	0.319173	hyper	sig	chr12_118981320
chr7	38656403	38656403	+	1.527E-14	1.8843E-13	-0.24299	hypo	sig	chr7_38656403
chr1	2.04E+08	204351051	+	1.527E-14	1.8847E-13	0.227601	hyper	sig	chr1_204351051
chr2	10835183	10835183	+	1.53E-14	1.888E-13	-0.25578	hypo	sig	chr2_10835183
chr17	848093	848093	+	1.53E-14	1.8883E-13	-0.25819	hypo	sig	chr17_848093
chr6	40378305	40378305	+	1.53E-14	1.8883E-13	-0.26878	hypo	sig	chr6_40378305
chr1	24109092	24109092	+	1.531E-14	1.8897E-13	-0.29877	hypo	sig	chr1_24109092
chr7	1672453	1672453	+	1.532E-14	1.8907E-13	-0.20825	hypo	sig	chr7_1672453
chr10	1.04E+08	103661664	+	1.533E-14	1.8917E-13	0.356691	hyper	sig	chr10_103661664
chr20	21521053	21521053	+	1.534E-14	1.8931E-13	0.284343	hyper	sig	chr20_21521053
chr10	1.18E+08	117532743	+	1.535E-14	1.8944E-13	0.20481	hyper	sig	chr10_117532743
chr9	16864766	16864766	+	1.535E-14	1.8946E-13	0.239953	hyper	sig	chr9_16864766
chr15	1.01E+08	101168370	+	1.535E-14	1.8946E-13	-0.2431	hypo	sig	chr15_101168370
chr5	64166360	64166360	+	1.536E-14	1.8955E-13	0.207014	hyper	sig	chr5_64166360
chr6	1.68E+08	168285703	+	1.536E-14	1.8957E-13	-0.28295	hypo	sig	chr6_168285703
chr7	1348927	1348927	+	1.537E-14	1.8964E-13	-0.28214	hypo	sig	chr7_1348927
chr17	65538488	65538488	+	1.538E-14	1.8975E-13	-0.23615	hypo	sig	chr17_65538488
chr11	20156536	20156536	+	1.538E-14	1.8981E-13	0.241733	hyper	sig	chr11_20156536
chr7	32070297	32070297	+	1.54E-14	1.8997E-13	0.296576	hyper	sig	chr7_32070297
chr5	1232529	1232529	+	1.54E-14	1.8997E-13	-0.34922	hypo	sig	chr5_1232529
chr16	561985	561985	+	1.541E-14	1.9007E-13	-0.23663	hypo	sig	chr16_561985
chr6	30156910	30156910	+	1.542E-14	1.9024E-13	-0.27214	hypo	sig	chr6_30156910
chr10	1.33E+08	133158433	+	1.542E-14	1.9026E-13	-0.23294	hypo	sig	chr10_133158433
chr5	1.81E+08	181109204	+	1.543E-14	1.9036E-13	-0.24754	hypo	sig	chr5_181109204
chr15	99296370	99296370	+	1.543E-14	1.9037E-13	0.216297	hyper	sig	chr15_99296370
chr5	1.57E+08	156850567	+	1.545E-14	1.9059E-13	0.238021	hyper	sig	chr5_156850567
chr12	6540189	6540189	+	1.545E-14	1.9062E-13	-0.26298	hypo	sig	chr12_6540189
chr9	1.22E+08	122219286	+	1.546E-14	1.9072E-13	0.213918	hyper	sig	chr9_122219286
chr7	75966669	75966669	+	1.546E-14	1.9075E-13	0.234328	hyper	sig	chr7_75966669
chr12	6555450	6555450	+	1.546E-14	1.9077E-13	0.308431	hyper	sig	chr12_6555450
chr1	920187	920187	+	1.547E-14	1.9081E-13	-0.24812	hypo	sig	chr1_920187
chr10	1.3E+08	129960445	+	1.548E-14	1.9094E-13	0.279679	hyper	sig	chr10_129960445
chr2	1665018	1665018	+	1.548E-14	1.9094E-13	-0.20899	hypo	sig	chr2_1665018
chr2	2.42E+08	241804150	+	1.548E-14	1.91E-13	0.229131	hyper	sig	chr2_241804150
chr9	1.3E+08	129571636	+	1.55E-14	1.9115E-13	0.239828	hyper	sig	chr9_129571636
chr13	87674380	87674380	+	1.55E-14	1.9118E-13	0.240783	hyper	sig	chr13_87674380
chr11	2140999	2140999	+	1.55E-14	1.9121E-13	0.21488	hyper	sig	chr11_2140999
chr12	1.11E+08	111287675	+	1.55E-14	1.9122E-13	-0.30376	hypo	sig	chr12_111287675
chr11	43577803	43577803	+	1.551E-14	1.9128E-13	0.257394	hyper	sig	chr11_43577803
chr10	1.28E+08	127736963	+	1.552E-14	1.914E-13	0.400293	hyper	sig	chr10_127736963
chr2	74516537	74516537	+	1.554E-14	1.9161E-13	0.313398	hyper	sig	chr2_74516537
chr11	72251535	72251535	+	1.554E-14	1.9165E-13	-0.22606	hypo	sig	chr11_72251535
chr17	83091791	83091791	+	1.555E-14	1.9172E-13	-0.30528	hypo	sig	chr17_83091791
chr10	1.33E+08	132714345	+	1.556E-14	1.9184E-13	0.234472	hyper	sig	chr10_132714345
chr1	2.48E+08	247936875	+	1.556E-14	1.9185E-13	0.21121	hyper	sig	chr1_247936875
chr5	88689978	88689978	+	1.556E-14	1.9188E-13	0.250694	hyper	sig	chr5_88689978
chr6	1.6E+08	159959540	+	1.557E-14	1.9196E-13	-0.22854	hypo	sig	chr6_159959540
chr1	2684251	2684251	+	1.557E-14	1.9199E-13	-0.22924	hypo	sig	chr1_2684251
chr1	2.1E+08	210333104	+	1.557E-14	1.9202E-13	-0.21946	hypo	sig	chr1_210333104
chr17	49972977	49972977	+	1.558E-14	1.9207E-13	0.227105	hyper	sig	chr17_49972977
chr5	3197887	3197887	+	1.558E-14	1.9216E-13	0.243255	hyper	sig	chr5_3197887

chr10	1.01E+08	100655597	+	1.558E-14	1.9216E-13	0.253926	hyper	sig	chr10_100655597
chr6	1.14E+08	113860622	+	1.56E-14	1.9229E-13	0.23603	hyper	sig	chr6_113860622
chr7	1.58E+08	157875233	+	1.56E-14	1.9234E-13	0.209677	hyper	sig	chr7_157875233
chr5	2753611	2753611	+	1.561E-14	1.9252E-13	0.29199	hyper	sig	chr5_2753611
chr3	26622718	26622718	+	1.561E-14	1.9252E-13	0.220781	hyper	sig	chr3_26622718
chr16	56607189	56607189	+	1.563E-14	1.9269E-13	0.276971	hyper	sig	chr16_56607189
chr5	1.41E+08	141431413	+	1.564E-14	1.9277E-13	0.29005	hyper	sig	chr5_141431413
chr2	25167723	25167723	+	1.565E-14	1.9289E-13	0.239301	hyper	sig	chr2_25167723
chr16	55656652	55656652	+	1.565E-14	1.9294E-13	0.24656	hyper	sig	chr16_55656652
chr8	1.44E+08	143806275	+	1.565E-14	1.9299E-13	-0.23004	hypo	sig	chr8_143806275
chr16	89080643	89080643	+	1.566E-14	1.93E-13	-0.21019	hypo	sig	chr16_89080643
chr16	66975260	66975260	+	1.566E-14	1.9305E-13	-0.27106	hypo	sig	chr16_66975260
chr19	50717267	50717267	+	1.568E-14	1.9333E-13	-0.27654	hypo	sig	chr19_50717267
chr3	37765988	37765988	+	1.569E-14	1.9336E-13	0.226287	hyper	sig	chr3_37765988
chr7	1.56E+08	155533218	+	1.569E-14	1.9345E-13	0.234153	hyper	sig	chr7_155533218
chr5	1.41E+08	140876773	+	1.569E-14	1.9346E-13	0.285091	hyper	sig	chr5_140876773
chr1	2.35E+08	234979783	+	1.57E-14	1.9353E-13	-0.40144	hypo	sig	chr1_234979783
chr7	120801	120801	+	1.57E-14	1.9358E-13	-0.26378	hypo	sig	chr7_120801
chr10	1.18E+08	117551932	+	1.571E-14	1.9363E-13	0.233844	hyper	sig	chr10_117551932
chr16	88186439	88186439	+	1.572E-14	1.9376E-13	0.308842	hyper	sig	chr16_88186439
chr13	1.02E+08	102397475	+	1.578E-14	1.9448E-13	-0.24428	hypo	sig	chr13_102397475
chr5	1.41E+08	140796778	+	1.581E-14	1.9492E-13	0.210253	hyper	sig	chr5_140796778
chr12	1855437	1855437	+	1.582E-14	1.95E-13	-0.27307	hypo	sig	chr12_1855437
chr12	1.32E+08	132281129	+	1.582E-14	1.9502E-13	0.332292	hyper	sig	chr12_132281129
chr6	55580081	55580081	+	1.583E-14	1.9505E-13	-0.23448	hypo	sig	chr6_55580081
chr18	79899695	79899695	+	1.583E-14	1.9514E-13	0.273112	hyper	sig	chr18_79899695
chr19	48741300	48741300	+	1.585E-14	1.9531E-13	-0.22983	hypo	sig	chr19_48741300
chr11	27722919	27722919	+	1.585E-14	1.9537E-13	0.250138	hyper	sig	chr11_27722919
chr11	31825367	31825367	+	1.585E-14	1.9538E-13	0.31544	hyper	sig	chr11_31825367
chr7	99992693	99992693	+	1.589E-14	1.9578E-13	-0.31504	hypo	sig	chr7_99992693
chr7	74258579	74258579	+	1.59E-14	1.9588E-13	-0.23735	hypo	sig	chr7_74258579
chr7	1242500	1242500	+	1.59E-14	1.9594E-13	0.32113	hyper	sig	chr7_1242500
chr6	27268112	27268112	+	1.592E-14	1.9619E-13	0.236949	hyper	sig	chr6_27268112
chr6	27495410	27495410	+	1.594E-14	1.9636E-13	0.228131	hyper	sig	chr6_27495410
chr16	3161520	3161520	+	1.594E-14	1.9636E-13	-0.24024	hypo	sig	chr16_3161520
chr11	1.23E+08	122977475	+	1.596E-14	1.9659E-13	0.232217	hyper	sig	chr11_122977475
chr3	14810879	14810879	+	1.596E-14	1.9661E-13	0.286047	hyper	sig	chr3_14810879
chr6	73225373	73225373	+	1.596E-14	1.9664E-13	-0.23371	hypo	sig	chr6_73225373
chr20	54475902	54475902	+	1.598E-14	1.9685E-13	0.295647	hyper	sig	chr20_54475902
chr6	1.66E+08	166446288	+	1.598E-14	1.9686E-13	-0.20893	hypo	sig	chr6_166446288
chr16	29808814	29808814	+	1.6E-14	1.9708E-13	0.247693	hyper	sig	chr16_29808814
chr1	22685931	22685931	+	1.6E-14	1.9709E-13	0.241217	hyper	sig	chr1_22685931
chr2	2.22E+08	222297293	+	1.6E-14	1.9709E-13	0.235531	hyper	sig	chr2_222297293
chr7	2763016	2763016	+	1.6E-14	1.9716E-13	0.247587	hyper	sig	chr7_2763016
chr7	1.28E+08	128032985	+	1.602E-14	1.9732E-13	0.26731	hyper	sig	chr7_128032985
chr16	62036175	62036175	+	1.605E-14	1.9767E-13	0.258672	hyper	sig	chr16_62036175
chr6	1E+08	100458756	+	1.606E-14	1.9778E-13	0.299914	hyper	sig	chr6_100458756
chr17	48560765	48560765	+	1.606E-14	1.978E-13	0.223656	hyper	sig	chr17_48560765
chr5	1.41E+08	141414798	+	1.606E-14	1.978E-13	0.246352	hyper	sig	chr5_141414798
chr3	23947633	23947633	+	1.606E-14	1.9785E-13	0.224798	hyper	sig	chr3_23947633
chr12	1.3E+08	130335007	+	1.607E-14	1.9788E-13	-0.24963	hypo	sig	chr12_130335007
chr10	1.33E+08	133360525	+	1.607E-14	1.9797E-13	-0.30155	hypo	sig	chr10_133360525
chr10	1.34E+08	133622963	+	1.61E-14	1.9826E-13	0.315475	hyper	sig	chr10_133622963
chr5	15500742	15500742	+	1.611E-14	1.9844E-13	0.210865	hyper	sig	chr5_15500742
chr10	27413621	27413621	+	1.612E-14	1.9852E-13	0.266823	hyper	sig	chr10_27413621
chr21	37006334	37006334	+	1.612E-14	1.9857E-13	0.308348	hyper	sig	chr21_37006334

chr17	82883268	82883268	+	1.613E-14	1.986E-13	-0.24748	hypo	sig	chr17_82883268
chr8	46219226	46219226	+	1.613E-14	1.9865E-13	-0.28827	hypo	sig	chr8_46219226
chr17	81978601	81978601	+	1.613E-14	1.9866E-13	-0.31204	hypo	sig	chr17_81978601
chr3	1.13E+08	113441632	+	1.615E-14	1.9884E-13	0.234565	hyper	sig	chr3_113441632
chr11	94401850	94401850	+	1.615E-14	1.9891E-13	0.274392	hyper	sig	chr11_94401850
chr16	11675849	11675849	+	1.615E-14	1.9891E-13	-0.27836	hypo	sig	chr16_11675849
chr21	42221521	42221521	+	1.616E-14	1.9897E-13	0.233615	hyper	sig	chr21_42221521
chr13	27921771	27921771	+	1.616E-14	1.99E-13	0.315076	hyper	sig	chr13_27921771
chr10	1.17E+08	117138361	+	1.618E-14	1.9923E-13	0.202367	hyper	sig	chr10_117138361
chr8	1.4E+08	140098952	+	1.619E-14	1.9938E-13	0.218251	hyper	sig	chr8_140098952
chr7	1.17E+08	117323506	+	1.621E-14	1.9957E-13	0.223578	hyper	sig	chr7_117323506
chr19	7682300	7682300	+	1.622E-14	1.9966E-13	0.359846	hyper	sig	chr19_7682300
chr13	67230271	67230271	+	1.622E-14	1.9967E-13	0.2112	hyper	sig	chr13_67230271
chr19	1130875	1130875	+	1.623E-14	1.9978E-13	-0.23933	hypo	sig	chr19_1130875
chr11	49854540	49854540	+	1.625E-14	2.0003E-13	-0.23137	hypo	sig	chr11_49854540
chr8	2034821	2034821	+	1.625E-14	2.0004E-13	-0.2662	hypo	sig	chr8_2034821
chr22	46375205	46375205	+	1.626E-14	2.0014E-13	-0.27568	hypo	sig	chr22_46375205
chr6	33193532	33193532	+	1.629E-14	2.0051E-13	0.245925	hyper	sig	chr6_33193532
chr3	1.58E+08	158102752	+	1.629E-14	2.0055E-13	0.245016	hyper	sig	chr3_158102752
chr4	1.33E+08	133148170	+	1.629E-14	2.0059E-13	0.21233	hyper	sig	chr4_133148170
chr7	1.17E+08	117323515	+	1.63E-14	2.0063E-13	0.220517	hyper	sig	chr7_117323515
chr5	1.41E+08	141150438	+	1.632E-14	2.0088E-13	0.328125	hyper	sig	chr5_141150438
chr2	1.27E+08	127175921	+	1.632E-14	2.0092E-13	0.263045	hyper	sig	chr2_127175921
chr14	90570701	90570701	+	1.632E-14	2.0096E-13	-0.21112	hypo	sig	chr14_90570701
chr6	42141438	42141438	+	1.633E-14	2.0099E-13	-0.26015	hypo	sig	chr6_42141438
chr7	1.38E+08	137845190	+	1.634E-14	2.0111E-13	-0.21772	hypo	sig	chr7_137845190
chr12	34602633	34602633	+	1.635E-14	2.0126E-13	-0.33766	hypo	sig	chr12_34602633
chr17	79465469	79465469	+	1.635E-14	2.0131E-13	-0.31784	hypo	sig	chr17_79465469
chr7	1.28E+08	128032249	+	1.638E-14	2.016E-13	0.235612	hyper	sig	chr7_128032249
chr17	81400582	81400582	+	1.638E-14	2.0161E-13	0.254518	hyper	sig	chr17_81400582
chr3	1.25E+08	125142064	+	1.638E-14	2.0163E-13	0.226668	hyper	sig	chr3_125142064
chr15	82647481	82647481	+	1.639E-14	2.017E-13	0.204233	hyper	sig	chr15_82647481
chr16	1027657	1027657	+	1.639E-14	2.0172E-13	-0.31166	hypo	sig	chr16_1027657
chr10	73733567	73733567	+	1.639E-14	2.0178E-13	0.332269	hyper	sig	chr10_73733567
chr14	37622691	37622691	+	1.64E-14	2.0179E-13	0.29568	hyper	sig	chr14_37622691
chr11	200097	200097	+	1.64E-14	2.0188E-13	-0.20253	hypo	sig	chr11_200097
chr11	44906376	44906376	+	1.642E-14	2.0209E-13	-0.2121	hypo	sig	chr11_44906376
chr5	1.41E+08	141383457	+	1.646E-14	2.0253E-13	0.253388	hyper	sig	chr5_141383457
chr20	63775611	63775611	+	1.647E-14	2.0265E-13	0.230285	hyper	sig	chr20_63775611
chr7	1.59E+08	158991997	+	1.647E-14	2.0268E-13	-0.2553	hypo	sig	chr7_158991997
chr16	1962593	1962593	+	1.648E-14	2.0283E-13	-0.22951	hypo	sig	chr16_1962593
chr2	1.3E+08	130006036	+	1.649E-14	2.0286E-13	0.213985	hyper	sig	chr2_130006036
chr2	3759062	3759062	+	1.649E-14	2.0292E-13	-0.29715	hypo	sig	chr2_3759062
chr8	38770587	38770587	+	1.65E-14	2.0305E-13	0.241442	hyper	sig	chr8_38770587
chr13	50127821	50127821	+	1.65E-14	2.0305E-13	0.270751	hyper	sig	chr13_50127821
chr20	64053189	64053189	+	1.651E-14	2.0311E-13	-0.33878	hypo	sig	chr20_64053189
chr2	85668267	85668267	+	1.651E-14	2.0311E-13	-0.26914	hypo	sig	chr2_85668267
chr5	1.41E+08	141215534	+	1.651E-14	2.0314E-13	0.299584	hyper	sig	chr5_141215534
chr18	47249084	47249084	+	1.651E-14	2.0315E-13	0.230536	hyper	sig	chr18_47249084
chr7	86441557	86441557	+	1.652E-14	2.0322E-13	-0.29375	hypo	sig	chr7_86441557
chr19	1399201	1399201	+	1.653E-14	2.0339E-13	-0.24416	hypo	sig	chr19_1399201
chr2	2.42E+08	242011334	+	1.654E-14	2.0343E-13	-0.26728	hypo	sig	chr2_242011334
chr19	3785839	3785839	+	1.654E-14	2.0346E-13	0.229984	hyper	sig	chr19_3785839
chr7	24285311	24285311	+	1.655E-14	2.0354E-13	0.2898	hyper	sig	chr7_24285311
chr13	1.12E+08	112216084	+	1.655E-14	2.0361E-13	-0.23533	hypo	sig	chr13_112216084
chr1	7070060	7070060	+	1.656E-14	2.0365E-13	0.244674	hyper	sig	chr1_7070060

chr2	24174941	24174941	+	1.656E-14	2.0367E-13	0.340932	hyper	sig	chr2_24174941
chr2	1.92E+08	192195545	+	1.658E-14	2.0396E-13	0.236973	hyper	sig	chr2_192195545
chr17	81296086	81296086	+	1.658E-14	2.0398E-13	-0.255	hypo	sig	chr17_81296086
chr16	27572522	27572522	+	1.659E-14	2.0408E-13	0.260606	hyper	sig	chr16_27572522
chr15	25185784	25185784	+	1.659E-14	2.0409E-13	-0.25053	hypo	sig	chr15_25185784
chr16	998049	998049	+	1.66E-14	2.0412E-13	-0.28346	hypo	sig	chr16_998049
chr3	1.5E+08	149657249	+	1.66E-14	2.0414E-13	0.263766	hyper	sig	chr3_149657249
chr12	5430966	5430966	+	1.663E-14	2.0454E-13	0.219361	hyper	sig	chr12_5430966
chr8	1514936	1514936	+	1.664E-14	2.0468E-13	-0.24773	hypo	sig	chr8_1514936
chr4	1.88E+08	187995452	+	1.664E-14	2.0468E-13	0.275806	hyper	sig	chr4_187995452
chr16	268631	268631	+	1.664E-14	2.0471E-13	-0.41681	hypo	sig	chr16_268631
chr2	2.22E+08	222298299	+	1.665E-14	2.0472E-13	0.228442	hyper	sig	chr2_222298299
chr15	45704410	45704410	+	1.665E-14	2.0473E-13	0.218146	hyper	sig	chr15_45704410
chr3	1.35E+08	134793712	+	1.665E-14	2.0473E-13	-0.25955	hypo	sig	chr3_134793712
chr6	1.6E+08	160006528	+	1.665E-14	2.0481E-13	0.236591	hyper	sig	chr6_160006528
chr7	1.58E+08	158317881	+	1.666E-14	2.0492E-13	0.229173	hyper	sig	chr7_158317881
chr17	16683545	16683545	+	1.667E-14	2.0495E-13	0.234153	hyper	sig	chr17_16683545
chr5	1.41E+08	141157420	+	1.668E-14	2.0511E-13	0.299402	hyper	sig	chr5_141157420
chr5	1.77E+08	177400188	+	1.67E-14	2.0534E-13	0.202359	hyper	sig	chr5_177400188
chr7	5782005	5782005	+	1.67E-14	2.0538E-13	-0.24385	hypo	sig	chr7_5782005
chr12	98863260	98863260	+	1.67E-14	2.0538E-13	-0.20884	hypo	sig	chr12_98863260
chr19	11416924	11416924	+	1.672E-14	2.0555E-13	-0.21007	hypo	sig	chr19_11416924
chr19	2252070	2252070	+	1.672E-14	2.0557E-13	0.288971	hyper	sig	chr19_2252070
chr22	50461834	50461834	+	1.672E-14	2.0563E-13	0.236532	hyper	sig	chr22_50461834
chr2	492809	492809	+	1.674E-14	2.0577E-13	-0.24247	hypo	sig	chr2_492809
chr10	1.32E+08	131981024	+	1.674E-14	2.0583E-13	0.208631	hyper	sig	chr10_131981024
chr5	1.41E+08	141421021	+	1.675E-14	2.0599E-13	0.248538	hyper	sig	chr5_141421021
chr13	57633488	57633488	+	1.675E-14	2.0599E-13	0.324884	hyper	sig	chr13_57633488
chr7	668174	668174	+	1.676E-14	2.0603E-13	0.267724	hyper	sig	chr7_668174
chr5	1.41E+08	141376447	+	1.676E-14	2.0605E-13	0.288131	hyper	sig	chr5_141376447
chr4	7595879	7595879	+	1.676E-14	2.0606E-13	-0.23309	hypo	sig	chr4_7595879
chr11	8168899	8168899	+	1.676E-14	2.061E-13	0.222396	hyper	sig	chr11_8168899
chr6	30127826	30127826	+	1.677E-14	2.0613E-13	0.272939	hyper	sig	chr6_30127826
chr8	1.43E+08	143274801	+	1.677E-14	2.0613E-13	-0.29487	hypo	sig	chr8_143274801
chr15	1.01E+08	101088397	+	1.677E-14	2.0613E-13	-0.26436	hypo	sig	chr15_101088397
chr5	61631901	61631901	+	1.678E-14	2.0631E-13	0.247757	hyper	sig	chr5_61631901
chr4	73998560	73998560	+	1.678E-14	2.0633E-13	0.228042	hyper	sig	chr4_73998560
chr5	1.77E+08	177131657	+	1.678E-14	2.0633E-13	-0.24708	hypo	sig	chr5_177131657
chr11	1.29E+08	129372732	+	1.679E-14	2.0645E-13	0.369651	hyper	sig	chr11_129372732
chr6	1.7E+08	170098444	+	1.68E-14	2.0649E-13	-0.22192	hypo	sig	chr6_170098444
chr4	1.04E+08	103719270	+	1.681E-14	2.0664E-13	0.270512	hyper	sig	chr4_103719270
chr3	1.38E+08	137761940	+	1.682E-14	2.0678E-13	0.21092	hyper	sig	chr3_137761940
chr14	1.05E+08	104657275	+	1.682E-14	2.068E-13	-0.22607	hypo	sig	chr14_104657275
chr19	53058147	53058147	+	1.683E-14	2.0688E-13	0.28967	hyper	sig	chr19_53058147
chr1	1.55E+08	155321614	+	1.683E-14	2.0691E-13	0.230136	hyper	sig	chr1_155321614
chr19	6744887	6744887	+	1.684E-14	2.0692E-13	0.260684	hyper	sig	chr19_6744887
chr18	8366938	8366938	+	1.684E-14	2.0702E-13	-0.22039	hypo	sig	chr18_8366938
chr19	53308839	53308839	+	1.684E-14	2.0702E-13	0.247785	hyper	sig	chr19_53308839
chr7	1.59E+08	159027789	+	1.684E-14	2.0702E-13	-0.2899	hypo	sig	chr7_159027789
chr10	45303901	45303901	+	1.685E-14	2.0703E-13	-0.23559	hypo	sig	chr10_45303901
chr19	51026372	51026372	+	1.685E-14	2.0703E-13	-0.38706	hypo	sig	chr19_51026372
chr13	43968735	43968735	+	1.686E-14	2.0721E-13	-0.2164	hypo	sig	chr13_43968735
chr2	2.41E+08	240818997	+	1.686E-14	2.0721E-13	0.225735	hyper	sig	chr2_240818997
chr20	38376782	38376782	+	1.686E-14	2.0722E-13	-0.30282	hypo	sig	chr20_38376782
chr11	96155048	96155048	+	1.687E-14	2.0727E-13	0.208297	hyper	sig	chr11_96155048
chr10	1.24E+08	124448285	+	1.687E-14	2.0736E-13	0.279492	hyper	sig	chr10_124448285

chr12	1.15E+08	114687176	+	1.688E-14	2.0741E-13	0.267613	hyper	sig	chr12_114687176
chr17	82795487	82795487	+	1.688E-14	2.0741E-13	0.211162	hyper	sig	chr17_82795487
chr1	2.08E+08	207669720	+	1.688E-14	2.0745E-13	0.255663	hyper	sig	chr1_207669720
chr2	1.21E+08	120984671	+	1.689E-14	2.0755E-13	-0.25181	hypo	sig	chr2_120984671
chr9	3181088	3181088	+	1.69E-14	2.0771E-13	0.21879	hyper	sig	chr9_3181088
chr19	23204331	23204331	+	1.692E-14	2.0787E-13	0.218585	hyper	sig	chr19_23204331
chr20	57170656	57170656	+	1.693E-14	2.0802E-13	-0.3051	hypo	sig	chr20_57170656
chr11	67674724	67674724	+	1.693E-14	2.0806E-13	-0.20369	hypo	sig	chr11_67674724
chr15	55589401	55589401	+	1.694E-14	2.0809E-13	0.230233	hyper	sig	chr15_55589401
chr7	1.56E+08	155532860	+	1.694E-14	2.0811E-13	0.208134	hyper	sig	chr7_155532860
chr14	99749123	99749123	+	1.697E-14	2.0853E-13	-0.23454	hypo	sig	chr14_99749123
chr16	4376264	4376264	+	1.699E-14	2.0871E-13	0.302572	hyper	sig	chr16_4376264
chr4	6329388	6329388	+	1.7E-14	2.088E-13	-0.29839	hypo	sig	chr4_6329388
chr14	1.07E+08	106802715	+	1.701E-14	2.0894E-13	-0.24267	hypo	sig	chr14_106802715
chr7	4245718	4245718	+	1.703E-14	2.0915E-13	-0.232	hypo	sig	chr7_4245718
chr4	55794104	55794104	+	1.705E-14	2.0945E-13	0.279507	hyper	sig	chr4_55794104
chr1	24535218	24535218	+	1.705E-14	2.0946E-13	-0.25799	hypo	sig	chr1_24535218
chr19	15505113	15505113	+	1.705E-14	2.0946E-13	-0.27969	hypo	sig	chr19_15505113
chr16	88186443	88186443	+	1.705E-14	2.0946E-13	0.302203	hyper	sig	chr16_88186443
chr22	30267300	30267300	+	1.706E-14	2.0953E-13	-0.3287	hypo	sig	chr22_30267300
chr16	1273395	1273395	+	1.706E-14	2.0956E-13	-0.30784	hypo	sig	chr16_1273395
chr15	74132634	74132634	+	1.708E-14	2.0978E-13	0.274347	hyper	sig	chr15_74132634
chr4	664205	664205	+	1.709E-14	2.099E-13	0.2344	hyper	sig	chr4_664205
chr9	83537286	83537286	+	1.709E-14	2.0991E-13	0.33375	hyper	sig	chr9_83537286
chr20	21102169	21102169	+	1.711E-14	2.1008E-13	0.308123	hyper	sig	chr20_21102169
chr6	28810480	28810480	+	1.711E-14	2.1008E-13	0.21941	hyper	sig	chr6_28810480
chr18	77249046	77249046	+	1.711E-14	2.1015E-13	0.218527	hyper	sig	chr18_77249046
chr7	35255338	35255338	+	1.712E-14	2.1025E-13	0.267292	hyper	sig	chr7_35255338
chr1	2839659	2839659	+	1.716E-14	2.1073E-13	-0.23743	hypo	sig	chr1_2839659
chr3	1.84E+08	184338732	+	1.717E-14	2.1087E-13	0.323545	hyper	sig	chr3_184338732
chr16	84954453	84954453	+	1.718E-14	2.1103E-13	-0.20221	hypo	sig	chr16_84954453
chr5	1.79E+08	178590921	+	1.72E-14	2.1115E-13	0.201852	hyper	sig	chr5_178590921
chr11	31825323	31825323	+	1.72E-14	2.1117E-13	0.264724	hyper	sig	chr11_31825323
chr1	1.98E+08	197921370	+	1.72E-14	2.1123E-13	0.25762	hyper	sig	chr1_197921370
chr16	89949506	89949506	+	1.72E-14	2.1125E-13	0.228949	hyper	sig	chr16_89949506
chr16	10876916	10876916	+	1.72E-14	2.1125E-13	-0.29416	hypo	sig	chr16_10876916
chr22	49671203	49671203	+	1.721E-14	2.1136E-13	0.225509	hyper	sig	chr22_49671203
chr22	46036969	46036969	+	1.725E-14	2.1178E-13	-0.22017	hypo	sig	chr22_46036969
chr6	28259248	28259248	+	1.726E-14	2.1187E-13	0.274194	hyper	sig	chr6_28259248
chr16	1068909	1068909	+	1.726E-14	2.1189E-13	-0.33421	hypo	sig	chr16_1068909
chr2	76698435	76698435	+	1.726E-14	2.1191E-13	-0.20754	hypo	sig	chr2_76698435
chr4	1.4E+08	140469958	+	1.726E-14	2.1194E-13	0.259658	hyper	sig	chr4_140469958
chr5	1.41E+08	140876752	+	1.727E-14	2.1207E-13	0.284774	hyper	sig	chr5_140876752
chr16	87642784	87642784	+	1.728E-14	2.121E-13	-0.24992	hypo	sig	chr16_87642784
chr8	66963314	66963314	+	1.729E-14	2.1223E-13	0.328992	hyper	sig	chr8_66963314
chr11	64561954	64561954	+	1.729E-14	2.1226E-13	-0.26472	hypo	sig	chr11_64561954
chr5	1.33E+08	132823009	+	1.731E-14	2.1253E-13	0.267007	hyper	sig	chr5_132823009
chr2	193436	193436	+	1.733E-14	2.1279E-13	-0.23587	hypo	sig	chr2_193436
chr2	1.3E+08	129587563	+	1.734E-14	2.1286E-13	0.285546	hyper	sig	chr2_129587563
chr22	50775397	50775397	+	1.734E-14	2.129E-13	0.20448	hyper	sig	chr22_50775397
chr3	1.38E+08	137771616	+	1.734E-14	2.129E-13	0.228779	hyper	sig	chr3_137771616
chr10	1.05E+08	104641574	+	1.735E-14	2.13E-13	0.258498	hyper	sig	chr10_104641574
chr5	1.46E+08	146338928	+	1.735E-14	2.1303E-13	0.255929	hyper	sig	chr5_146338928
chr7	19106787	19106787	+	1.735E-14	2.1303E-13	0.20968	hyper	sig	chr7_19106787
chr5	1.41E+08	141432846	+	1.736E-14	2.1306E-13	0.342544	hyper	sig	chr5_141432846
chr7	74373003	74373003	+	1.737E-14	2.1321E-13	0.349149	hyper	sig	chr7_74373003

chr12	1.33E+08	132836544	+	1.737E-14	2.1322E-13	-0.26606	hypo	sig	chr12_132836544
chr5	1.11E+08	111224747	+	1.738E-14	2.1332E-13	0.224749	hyper	sig	chr5_111224747
chr21	45870634	45870634	+	1.738E-14	2.1335E-13	-0.24367	hypo	sig	chr21_45870634
chr20	23036097	23036097	+	1.739E-14	2.1344E-13	-0.28539	hypo	sig	chr20_23036097
chr1	2.26E+08	225890537	+	1.74E-14	2.1353E-13	-0.27345	hypo	sig	chr1_225890537
chr7	28866255	28866255	+	1.74E-14	2.1355E-13	-0.25182	hypo	sig	chr7_28866255
chr3	46844488	46844488	+	1.741E-14	2.1363E-13	-0.24603	hypo	sig	chr3_46844488
chr17	34156541	34156541	+	1.741E-14	2.1367E-13	0.238215	hyper	sig	chr17_34156541
chr11	17734352	17734352	+	1.741E-14	2.1368E-13	0.206122	hyper	sig	chr11_17734352
chr11	67573238	67573238	+	1.741E-14	2.1368E-13	-0.25194	hypo	sig	chr11_67573238
chr7	21543686	21543686	+	1.743E-14	2.139E-13	0.200976	hyper	sig	chr7_21543686
chr15	43134284	43134284	+	1.744E-14	2.1407E-13	-0.2155	hypo	sig	chr15_43134284
chr6	1.7E+08	170172987	+	1.745E-14	2.1419E-13	-0.27589	hypo	sig	chr6_170172987
chr11	18791144	18791144	+	1.746E-14	2.1423E-13	0.302207	hyper	sig	chr11_18791144
chr20	21020615	21020615	+	1.746E-14	2.1424E-13	0.279166	hyper	sig	chr20_21020615
chr2	2.32E+08	232459088	+	1.747E-14	2.1432E-13	0.273336	hyper	sig	chr2_232459088
chr19	1290612	1290612	+	1.748E-14	2.1453E-13	-0.27972	hypo	sig	chr19_1290612
chr11	1.12E+08	112499789	+	1.749E-14	2.1465E-13	-0.28807	hypo	sig	chr11_112499789
chr3	50278454	50278454	+	1.75E-14	2.1469E-13	-0.21661	hypo	sig	chr3_50278454
chr2	10961347	10961347	+	1.751E-14	2.1485E-13	-0.33176	hypo	sig	chr2_10961347
chr19	29090925	29090925	+	1.752E-14	2.1493E-13	0.218945	hyper	sig	chr19_29090925
chr2	2.39E+08	239247237	+	1.753E-14	2.1503E-13	-0.28888	hypo	sig	chr2_239247237
chr6	32069071	32069071	+	1.753E-14	2.1506E-13	-0.24657	hypo	sig	chr6_32069071
chr22	19748733	19748733	+	1.753E-14	2.1512E-13	-0.20248	hypo	sig	chr22_19748733
chr12	52965151	52965151	+	1.754E-14	2.1522E-13	0.323996	hyper	sig	chr12_52965151
chr17	8327450	8327450	+	1.755E-14	2.1528E-13	0.265001	hyper	sig	chr17_8327450
chr12	9124653	9124653	+	1.755E-14	2.1529E-13	-0.31553	hypo	sig	chr12_9124653
chr20	62337593	62337593	+	1.755E-14	2.1536E-13	-0.25321	hypo	sig	chr20_62337593
chr11	68374002	68374002	+	1.756E-14	2.1545E-13	0.245135	hyper	sig	chr11_68374002
chr19	52345363	52345363	+	1.756E-14	2.1546E-13	-0.2305	hypo	sig	chr19_52345363
chr13	1.12E+08	112057627	+	1.759E-14	2.1575E-13	0.255208	hyper	sig	chr13_112057627
chr14	1.03E+08	102950117	+	1.759E-14	2.1578E-13	0.227575	hyper	sig	chr14_102950117
chr2	1.07E+08	106841244	+	1.76E-14	2.1587E-13	0.255126	hyper	sig	chr2_106841244
chr10	43371576	43371576	+	1.76E-14	2.1588E-13	-0.21205	hypo	sig	chr10_43371576
chr6	1.68E+08	168342872	+	1.76E-14	2.1591E-13	-0.22764	hypo	sig	chr6_168342872
chr10	1083873	1083873	+	1.76E-14	2.1592E-13	-0.2534	hypo	sig	chr10_1083873
chr19	18787605	18787605	+	1.76E-14	2.1592E-13	0.231497	hyper	sig	chr19_18787605
chr21	33024787	33024787	+	1.76E-14	2.1594E-13	0.252688	hyper	sig	chr21_33024787
chr16	14303899	14303899	+	1.761E-14	2.1603E-13	0.232639	hyper	sig	chr16_14303899
chr1	2132577	2132577	+	1.761E-14	2.1605E-13	0.207543	hyper	sig	chr1_2132577
chr11	66049307	66049307	+	1.761E-14	2.1606E-13	0.309953	hyper	sig	chr11_66049307
chr22	50482580	50482580	+	1.762E-14	2.1611E-13	0.293549	hyper	sig	chr22_50482580
chr2	88451656	88451656	+	1.762E-14	2.1615E-13	0.248548	hyper	sig	chr2_88451656
chr13	99992244	99992244	+	1.763E-14	2.1625E-13	0.206927	hyper	sig	chr13_99992244
chr4	1.85E+08	185021554	+	1.764E-14	2.1634E-13	0.210009	hyper	sig	chr4_185021554
chr13	1.12E+08	112249998	+	1.766E-14	2.1658E-13	-0.24711	hypo	sig	chr13_112249998
chr11	2328624	2328624	+	1.766E-14	2.1659E-13	-0.33859	hypo	sig	chr11_2328624
chr10	1.17E+08	117138408	+	1.767E-14	2.1669E-13	0.228402	hyper	sig	chr10_117138408
chr6	31631458	31631458	+	1.767E-14	2.1675E-13	0.248486	hyper	sig	chr6_31631458
chr15	89411887	89411887	+	1.768E-14	2.1676E-13	0.247112	hyper	sig	chr15_89411887
chr5	1.36E+08	135546280	+	1.768E-14	2.1683E-13	-0.22153	hypo	sig	chr5_135546280
chr9	1.22E+08	122220509	+	1.769E-14	2.1689E-13	0.346302	hyper	sig	chr9_122220509
chr19	49764593	49764593	+	1.769E-14	2.1697E-13	-0.20893	hypo	sig	chr19_49764593
chr5	1243823	1243823	+	1.77E-14	2.1699E-13	0.271635	hyper	sig	chr5_1243823
chr16	3086856	3086856	+	1.77E-14	2.171E-13	-0.32618	hypo	sig	chr16_3086856
chr1	2879705	2879705	+	1.774E-14	2.1754E-13	-0.21741	hypo	sig	chr1_2879705

chr15	82681074	82681074	+	1.776E-14	2.178E-13	0.301385	hyper	sig	chr15_82681074
chr10	47763372	47763372	+	1.776E-14	2.1781E-13	0.203554	hyper	sig	chr10_47763372
chr2	2.42E+08	241771524	+	1.776E-14	2.1781E-13	0.292676	hyper	sig	chr2_241771524
chr5	1.41E+08	141421261	+	1.777E-14	2.1791E-13	0.271257	hyper	sig	chr5_141421261
chr6	1.5E+08	150038197	+	1.779E-14	2.1807E-13	0.283244	hyper	sig	chr6_150038197
chr16	86513165	86513165	+	1.779E-14	2.1815E-13	0.217369	hyper	sig	chr16_86513165
chr9	1.24E+08	124010816	+	1.78E-14	2.1816E-13	0.247987	hyper	sig	chr9_124010816
chr17	6655496	6655496	+	1.78E-14	2.1824E-13	0.211122	hyper	sig	chr17_6655496
chr10	73248427	73248427	+	1.781E-14	2.1839E-13	-0.23921	hypo	sig	chr10_73248427
chr13	20391867	20391867	+	1.782E-14	2.1841E-13	-0.30797	hypo	sig	chr13_20391867
chr20	31440438	31440438	+	1.782E-14	2.1841E-13	-0.26512	hypo	sig	chr20_31440438
chr13	1.13E+08	112995683	+	1.782E-14	2.1844E-13	-0.29987	hypo	sig	chr13_112995683
chr8	64579381	64579381	+	1.782E-14	2.1845E-13	0.209729	hyper	sig	chr8_64579381
chr7	24756729	24756729	+	1.782E-14	2.1848E-13	0.221041	hyper	sig	chr7_24756729
chr7	28412479	28412479	+	1.783E-14	2.1856E-13	-0.22898	hypo	sig	chr7_28412479
chr14	99792880	99792880	+	1.784E-14	2.1867E-13	0.25275	hyper	sig	chr14_99792880
chr10	44377589	44377589	+	1.785E-14	2.1875E-13	-0.20969	hypo	sig	chr10_44377589
chr7	6664506	6664506	+	1.786E-14	2.1889E-13	0.262219	hyper	sig	chr7_6664506
chr7	64581602	64581602	+	1.786E-14	2.1896E-13	-0.21648	hypo	sig	chr7_64581602
chr2	2.41E+08	240818995	+	1.787E-14	2.19E-13	0.224279	hyper	sig	chr2_240818995
chr10	1.33E+08	133213450	+	1.787E-14	2.1905E-13	-0.26856	hypo	sig	chr10_133213450
chr5	1.55E+08	154761241	+	1.788E-14	2.1908E-13	-0.21418	hypo	sig	chr5_154761241
chr19	2516998	2516998	+	1.788E-14	2.191E-13	-0.3125	hypo	sig	chr19_2516998
chr17	30923038	30923038	+	1.788E-14	2.191E-13	0.294677	hyper	sig	chr17_30923038
chr1	18899813	18899813	+	1.789E-14	2.1921E-13	-0.21354	hypo	sig	chr1_18899813
chr9	1.37E+08	137138870	+	1.789E-14	2.1924E-13	0.32312	hyper	sig	chr9_137138870
chr10	1.3E+08	129883945	+	1.793E-14	2.1968E-13	-0.26384	hypo	sig	chr10_129883945
chr10	1.12E+08	112373546	+	1.793E-14	2.197E-13	-0.22641	hypo	sig	chr10_112373546
chr17	2995448	2995448	+	1.794E-14	2.1979E-13	0.239042	hyper	sig	chr17_2995448
chr12	54079667	54079667	+	1.794E-14	2.1984E-13	0.239015	hyper	sig	chr12_54079667
chr17	28384660	28384660	+	1.794E-14	2.1985E-13	-0.25526	hypo	sig	chr17_28384660
chr1	1304669	1304669	+	1.794E-14	2.1989E-13	0.301288	hyper	sig	chr1_1304669
chr4	72031927	72031927	+	1.794E-14	2.1989E-13	0.244326	hyper	sig	chr4_72031927
chr7	928595	928595	+	1.795E-14	2.1994E-13	0.265463	hyper	sig	chr7_928595
chr4	1.74E+08	173526785	+	1.795E-14	2.1998E-13	0.264585	hyper	sig	chr4_173526785
chr5	1.41E+08	141345545	+	1.796E-14	2.2002E-13	0.302362	hyper	sig	chr5_141345545
chr7	1.57E+08	157004220	+	1.796E-14	2.2007E-13	0.21606	hyper	sig	chr7_157004220
chr12	84155298	84155298	+	1.797E-14	2.2017E-13	-0.22451	hypo	sig	chr12_84155298
chr10	1.32E+08	132037071	+	1.798E-14	2.2028E-13	0.226238	hyper	sig	chr10_132037071
chr2	1.72E+08	172087404	+	1.799E-14	2.2044E-13	0.242616	hyper	sig	chr2_172087404
chr6	30071409	30071409	+	1.8E-14	2.2053E-13	0.261632	hyper	sig	chr6_30071409
chr2	2.19E+08	219418456	+	1.8E-14	2.2054E-13	0.232516	hyper	sig	chr2_219418456
chr3	1.96E+08	196338486	+	1.8E-14	2.2054E-13	-0.27052	hypo	sig	chr3_196338486
chr3	46876776	46876776	+	1.803E-14	2.2088E-13	-0.20838	hypo	sig	chr3_46876776
chr12	1.13E+08	113472834	+	1.803E-14	2.2088E-13	0.304728	hyper	sig	chr12_113472834
chr2	2.13E+08	212536620	+	1.803E-14	2.2093E-13	0.274723	hyper	sig	chr2_212536620
chr17	81924141	81924141	+	1.804E-14	2.2105E-13	-0.30037	hypo	sig	chr17_81924141
chr6	26743132	26743132	+	1.804E-14	2.2105E-13	0.315174	hyper	sig	chr6_26743132
chr1	2.08E+08	207645422	+	1.806E-14	2.2127E-13	0.283454	hyper	sig	chr1_207645422
chr2	2.22E+08	222297343	+	1.807E-14	2.2134E-13	0.259382	hyper	sig	chr2_222297343
chr7	1.57E+08	157468245	+	1.808E-14	2.2146E-13	-0.22208	hypo	sig	chr7_157468245
chr10	774381	774381	+	1.81E-14	2.2165E-13	-0.22029	hypo	sig	chr10_774381
chr1	3480497	3480497	+	1.811E-14	2.2187E-13	-0.25388	hypo	sig	chr1_3480497
chr8	32549427	32549427	+	1.811E-14	2.2187E-13	0.243618	hyper	sig	chr8_32549427
chr12	78575	78575	+	1.812E-14	2.2191E-13	0.228832	hyper	sig	chr12_78575
chr1	16004130	16004130	+	1.812E-14	2.2193E-13	-0.20014	hypo	sig	chr1_16004130

chr11	1.21E+08	120555849	+	1.813E-14	2.2202E-13	-0.23993	hypo	sig	chr11_120555849
chr16	10694548	10694548	+	1.813E-14	2.2207E-13	0.313498	hyper	sig	chr16_10694548
chr17	21452964	21452964	+	1.813E-14	2.2208E-13	0.225865	hyper	sig	chr17_21452964
chr12	1.14E+08	114408682	+	1.814E-14	2.2213E-13	0.298588	hyper	sig	chr12_114408682
chr1	2.28E+08	228227688	+	1.814E-14	2.2218E-13	-0.26467	hypo	sig	chr1_228227688
chr12	1.24E+08	124098283	+	1.814E-14	2.2218E-13	0.264321	hyper	sig	chr12_124098283
chr1	2.01E+08	201127205	+	1.815E-14	2.2224E-13	-0.29926	hypo	sig	chr1_201127205
chr2	1.19E+08	118858484	+	1.817E-14	2.2253E-13	0.308751	hyper	sig	chr2_118858484
chr4	1.11E+08	110614391	+	1.817E-14	2.2255E-13	0.306699	hyper	sig	chr4_110614391
chr16	86432522	86432522	+	1.819E-14	2.2268E-13	0.240784	hyper	sig	chr16_86432522
chr20	63658082	63658082	+	1.819E-14	2.227E-13	0.274504	hyper	sig	chr20_63658082
chr18	5196449	5196449	+	1.819E-14	2.2271E-13	0.273341	hyper	sig	chr18_5196449
chr12	31077955	31077955	+	1.819E-14	2.2272E-13	-0.30461	hypo	sig	chr12_31077955
chr6	1.7E+08	170152683	+	1.82E-14	2.2278E-13	-0.2882	hypo	sig	chr6_170152683
chr12	1.26E+08	125863818	+	1.82E-14	2.2278E-13	-0.24315	hypo	sig	chr12_125863818
chr10	79394394	79394394	+	1.82E-14	2.2285E-13	-0.24032	hypo	sig	chr10_79394394
chr16	370130	370130	+	1.82E-14	2.2289E-13	0.220406	hyper	sig	chr16_370130
chr6	1.32E+08	131949323	+	1.822E-14	2.2311E-13	0.279165	hyper	sig	chr6_131949323
chr8	1432846	1432846	+	1.822E-14	2.2311E-13	-0.21687	hypo	sig	chr8_1432846
chr21	33025378	33025378	+	1.823E-14	2.2316E-13	0.254902	hyper	sig	chr21_33025378
chr2	70904589	70904589	+	1.825E-14	2.2336E-13	0.26972	hyper	sig	chr2_70904589
chr6	1.01E+08	101393268	+	1.825E-14	2.234E-13	0.22851	hyper	sig	chr6_101393268
chr19	51601407	51601407	+	1.826E-14	2.2354E-13	0.254225	hyper	sig	chr19_51601407
chr19	12513733	12513733	+	1.826E-14	2.236E-13	0.317554	hyper	sig	chr19_12513733
chr5	1.43E+08	142697964	+	1.827E-14	2.2362E-13	0.226854	hyper	sig	chr5_142697964
chr8	1.08E+08	108082278	+	1.828E-14	2.2381E-13	0.287991	hyper	sig	chr8_108082278
chr11	1.29E+08	128823740	+	1.829E-14	2.2386E-13	-0.20092	hypo	sig	chr11_128823740
chr17	48564657	48564657	+	1.829E-14	2.2393E-13	0.281879	hyper	sig	chr17_48564657
chr19	52397819	52397819	+	1.83E-14	2.2404E-13	0.213673	hyper	sig	chr19_52397819
chr10	1.03E+08	103479448	+	1.83E-14	2.2407E-13	-0.25562	hypo	sig	chr10_103479448
chr22	38214575	38214575	+	1.831E-14	2.241E-13	0.31349	hyper	sig	chr22_38214575
chr15	96367941	96367941	+	1.832E-14	2.2422E-13	0.336645	hyper	sig	chr15_96367941
chr9	1.11E+08	110579210	+	1.833E-14	2.244E-13	0.204991	hyper	sig	chr9_110579210
chr8	1.19E+08	119207747	+	1.834E-14	2.2449E-13	-0.20924	hypo	sig	chr8_119207747
chr12	43572057	43572057	+	1.835E-14	2.246E-13	0.351361	hyper	sig	chr12_43572057
chr11	1305312	1305312	+	1.835E-14	2.2464E-13	-0.21006	hypo	sig	chr11_1305312
chr13	51262930	51262930	+	1.836E-14	2.2466E-13	-0.23408	hypo	sig	chr13_51262930
chr10	1.29E+08	129236623	+	1.836E-14	2.2468E-13	-0.21539	hypo	sig	chr10_129236623
chr3	1.47E+08	147394689	+	1.837E-14	2.2479E-13	0.202902	hyper	sig	chr3_147394689
chr13	51786129	51786129	+	1.838E-14	2.2493E-13	0.236276	hyper	sig	chr13_51786129
chr4	6727284	6727284	+	1.838E-14	2.2495E-13	0.300446	hyper	sig	chr4_6727284
chr12	1.31E+08	130658100	+	1.84E-14	2.2517E-13	0.244856	hyper	sig	chr12_130658100
chr19	38975129	38975129	+	1.841E-14	2.2523E-13	0.2875	hyper	sig	chr19_38975129
chr17	74349298	74349298	+	1.841E-14	2.2527E-13	-0.27731	hypo	sig	chr17_74349298
chr6	37658575	37658575	+	1.841E-14	2.2532E-13	-0.26848	hypo	sig	chr6_37658575
chr1	1.15E+08	115338884	+	1.842E-14	2.2541E-13	-0.24297	hypo	sig	chr1_115338884
chr9	96219201	96219201	+	1.843E-14	2.2548E-13	-0.29811	hypo	sig	chr9_96219201
chr5	1.41E+08	140802304	+	1.843E-14	2.2552E-13	0.292423	hyper	sig	chr5_140802304
chr2	1.42E+08	142130544	+	1.845E-14	2.257E-13	0.25877	hyper	sig	chr2_142130544
chr20	48827259	48827259	+	1.845E-14	2.2571E-13	0.226519	hyper	sig	chr20_48827259
chr13	45714394	45714394	+	1.845E-14	2.2575E-13	-0.2144	hypo	sig	chr13_45714394
chr19	50428088	50428088	+	1.845E-14	2.2575E-13	0.204024	hyper	sig	chr19_50428088
chr1	1.6E+08	159826639	+	1.846E-14	2.2589E-13	-0.20858	hypo	sig	chr1_159826639
chr11	1.25E+08	125263520	+	1.847E-14	2.2595E-13	0.214268	hyper	sig	chr11_125263520
chr13	25301138	25301138	+	1.847E-14	2.2603E-13	0.301188	hyper	sig	chr13_25301138
chr18	47248683	47248683	+	1.848E-14	2.2608E-13	0.227263	hyper	sig	chr18_47248683

chr9	1.29E+08	129254090	+	1.848E-14	2.2609E-13	0.376847	hyper	sig	chr9_129254090
chr15	24773038	24773038	+	1.848E-14	2.2613E-13	0.269324	hyper	sig	chr15_24773038
chr1	3366313	3366313	+	1.849E-14	2.2621E-13	0.22937	hyper	sig	chr1_3366313
chr6	50851168	50851168	+	1.85E-14	2.2638E-13	0.224972	hyper	sig	chr6_50851168
chr9	97857709	97857709	+	1.851E-14	2.2638E-13	0.26252	hyper	sig	chr9_97857709
chr15	84079883	84079883	+	1.851E-14	2.2649E-13	0.226966	hyper	sig	chr15_84079883
chr11	3435284	3435284	+	1.852E-14	2.2651E-13	-0.27294	hypo	sig	chr11_3435284
chr7	568889	568889	+	1.852E-14	2.2652E-13	0.273933	hyper	sig	chr7_568889
chr11	1.14E+08	114076377	+	1.852E-14	2.266E-13	-0.2216	hypo	sig	chr11_114076377
chr17	19753291	19753291	+	1.854E-14	2.2678E-13	-0.21757	hypo	sig	chr17_19753291
chr12	1.24E+08	123931518	+	1.856E-14	2.2703E-13	-0.25676	hypo	sig	chr12_123931518
chr6	1.05E+08	104941592	+	1.856E-14	2.2704E-13	0.286144	hyper	sig	chr6_104941592
chr9	89178670	89178670	+	1.858E-14	2.2721E-13	0.232051	hyper	sig	chr9_89178670
chr19	18233710	18233710	+	1.858E-14	2.2731E-13	0.335625	hyper	sig	chr19_18233710
chr7	5280056	5280056	+	1.86E-14	2.2753E-13	-0.20681	hypo	sig	chr7_5280056
chr2	63048436	63048436	+	1.861E-14	2.2761E-13	0.288959	hyper	sig	chr2_63048436
chr15	96346187	96346187	+	1.862E-14	2.2777E-13	0.221106	hyper	sig	chr15_96346187
chr8	1.08E+08	108081726	+	1.863E-14	2.2789E-13	0.387217	hyper	sig	chr8_108081726
chr16	970071	970071	+	1.866E-14	2.2814E-13	0.217966	hyper	sig	chr16_970071
chr16	3949224	3949224	+	1.866E-14	2.2817E-13	0.233305	hyper	sig	chr16_3949224
chr5	1.41E+08	141402980	+	1.867E-14	2.2833E-13	0.261959	hyper	sig	chr5_141402980
chr7	44219127	44219127	+	1.868E-14	2.284E-13	-0.2333	hypo	sig	chr7_44219127
chr7	120629	120629	+	1.869E-14	2.2852E-13	-0.23986	hypo	sig	chr7_120629
chr2	1.68E+08	168244460	+	1.87E-14	2.2864E-13	-0.24821	hypo	sig	chr2_168244460
chr11	1310534	1310534	+	1.872E-14	2.2884E-13	-0.21754	hypo	sig	chr11_1310534
chr17	18636436	18636436	+	1.872E-14	2.2886E-13	-0.2561	hypo	sig	chr17_18636436
chr4	1.74E+08	173516808	+	1.873E-14	2.29E-13	0.219898	hyper	sig	chr4_173516808
chr20	21020544	21020544	+	1.874E-14	2.2916E-13	0.279971	hyper	sig	chr20_21020544
chr7	1.5E+08	150219527	+	1.877E-14	2.295E-13	0.209681	hyper	sig	chr7_150219527
chr2	2.23E+08	222671350	+	1.878E-14	2.2965E-13	0.216533	hyper	sig	chr2_222671350
chr19	23204313	23204313	+	1.881E-14	2.2998E-13	0.224989	hyper	sig	chr19_23204313
chr14	56812370	56812370	+	1.881E-14	2.3001E-13	0.259143	hyper	sig	chr14_56812370
chr8	1.42E+08	142173051	+	1.883E-14	2.3014E-13	-0.24311	hypo	sig	chr8_142173051
chr6	98831199	98831199	+	1.885E-14	2.3042E-13	0.208003	hyper	sig	chr6_98831199
chr16	3029747	3029747	+	1.885E-14	2.3046E-13	0.236039	hyper	sig	chr16_3029747
chr11	64430890	64430890	+	1.885E-14	2.3049E-13	-0.26673	hypo	sig	chr11_64430890
chr2	2.42E+08	241926872	+	1.887E-14	2.3062E-13	-0.24018	hypo	sig	chr2_241926872
chr13	1.14E+08	114042171	+	1.887E-14	2.3065E-13	-0.23617	hypo	sig	chr13_114042171
chr7	1.55E+08	155071255	+	1.887E-14	2.3065E-13	0.263057	hyper	sig	chr7_155071255
chr20	21704864	21704864	+	1.887E-14	2.3065E-13	0.340615	hyper	sig	chr20_21704864
chr7	23246920	23246920	+	1.888E-14	2.308E-13	-0.21162	hypo	sig	chr7_23246920
chr1	2.34E+08	233904342	+	1.889E-14	2.3095E-13	0.21786	hyper	sig	chr1_233904342
chr2	2.42E+08	241901258	+	1.89E-14	2.3099E-13	-0.25097	hypo	sig	chr2_241901258
chr2	19357531	19357531	+	1.89E-14	2.3101E-13	0.335635	hyper	sig	chr2_19357531
chr17	73552523	73552523	+	1.891E-14	2.311E-13	-0.25283	hypo	sig	chr17_73552523
chr1	1.83E+08	183185857	+	1.892E-14	2.3119E-13	-0.20557	hypo	sig	chr1_183185857
chr16	55190246	55190246	+	1.892E-14	2.3123E-13	0.258525	hyper	sig	chr16_55190246
chr17	82577555	82577555	+	1.894E-14	2.3143E-13	-0.25111	hypo	sig	chr17_82577555
chr4	41751300	41751300	+	1.895E-14	2.3155E-13	0.245922	hyper	sig	chr4_41751300
chr19	14337631	14337631	+	1.896E-14	2.3175E-13	-0.25639	hypo	sig	chr19_14337631
chr12	1.15E+08	114680962	+	1.897E-14	2.3176E-13	-0.21246	hypo	sig	chr12_114680962
chr6	90610526	90610526	+	1.899E-14	2.3201E-13	0.220724	hyper	sig	chr6_90610526
chr5	2749689	2749689	+	1.903E-14	2.3256E-13	0.325973	hyper	sig	chr5_2749689
chr16	49465156	49465156	+	1.903E-14	2.3259E-13	0.297515	hyper	sig	chr16_49465156
chr3	1.72E+08	172447797	+	1.904E-14	2.3262E-13	0.355474	hyper	sig	chr3_172447797
chr12	98748419	98748419	+	1.904E-14	2.3267E-13	-0.36149	hypo	sig	chr12_98748419

chr7	97023818	97023818	+	1.905E-14	2.3278E-13	0.305726	hyper	sig	chr7_97023818
chr7	1E+08	100012146	+	1.906E-14	2.3284E-13	-0.36601	hypo	sig	chr7_100012146
chr5	41510063	41510063	+	1.906E-14	2.3287E-13	0.279117	hyper	sig	chr5_41510063
chr2	47566233	47566233	+	1.906E-14	2.3293E-13	-0.27044	hypo	sig	chr2_47566233
chr7	1.57E+08	157297460	+	1.907E-14	2.3294E-13	-0.28061	hypo	sig	chr7_157297460
chr16	49640074	49640074	+	1.907E-14	2.3298E-13	0.270528	hyper	sig	chr16_49640074
chr4	40630863	40630863	+	1.907E-14	2.3298E-13	-0.21187	hypo	sig	chr4_40630863
chr1	2.35E+08	234723235	+	1.907E-14	2.3301E-13	-0.25503	hypo	sig	chr1_234723235
chr8	47763481	47763481	+	1.91E-14	2.3338E-13	0.231783	hyper	sig	chr8_47763481
chr7	23490969	23490969	+	1.911E-14	2.334E-13	0.202224	hyper	sig	chr7_23490969
chr12	65729041	65729041	+	1.911E-14	2.3341E-13	0.220527	hyper	sig	chr12_65729041
chr7	1.57E+08	157302637	+	1.911E-14	2.3342E-13	-0.31064	hypo	sig	chr7_157302637
chr10	1.29E+08	129033138	+	1.913E-14	2.3367E-13	0.207524	hyper	sig	chr10_129033138
chr5	1.8E+08	179530523	+	1.913E-14	2.3371E-13	0.229293	hyper	sig	chr5_179530523
chr11	70662005	70662005	+	1.913E-14	2.3373E-13	0.314741	hyper	sig	chr11_70662005
chr10	1.04E+08	103661100	+	1.914E-14	2.3375E-13	0.276216	hyper	sig	chr10_103661100
chr18	76445800	76445800	+	1.914E-14	2.3377E-13	0.249322	hyper	sig	chr18_76445800
chr4	1.84E+08	184017163	+	1.916E-14	2.3404E-13	0.23278	hyper	sig	chr4_184017163
chr7	15685516	15685516	+	1.917E-14	2.3414E-13	0.261768	hyper	sig	chr7_15685516
chr14	22979726	22979726	+	1.918E-14	2.3429E-13	-0.24694	hypo	sig	chr14_22979726
chr4	41256924	41256924	+	1.919E-14	2.3435E-13	0.256175	hyper	sig	chr4_41256924
chr15	37102883	37102883	+	1.92E-14	2.3447E-13	0.280412	hyper	sig	chr15_37102883
chr11	2301449	2301449	+	1.921E-14	2.346E-13	-0.29585	hypo	sig	chr11_2301449
chr5	1291773	1291773	+	1.921E-14	2.346E-13	-0.24223	hypo	sig	chr5_1291773
chr1	2879628	2879628	+	1.921E-14	2.3464E-13	-0.31699	hypo	sig	chr1_2879628
chr14	1.06E+08	105536963	+	1.923E-14	2.348E-13	-0.23494	hypo	sig	chr14_105536963
chr15	31483174	31483174	+	1.923E-14	2.3481E-13	0.247368	hyper	sig	chr15_31483174
chr8	1.43E+08	143285095	+	1.925E-14	2.3505E-13	-0.2041	hypo	sig	chr8_143285095
chr8	11704260	11704260	+	1.926E-14	2.3517E-13	0.283848	hyper	sig	chr8_11704260
chr19	17893851	17893851	+	1.927E-14	2.3534E-13	-0.28741	hypo	sig	chr19_17893851
chr11	45209775	45209775	+	1.93E-14	2.3569E-13	0.22281	hyper	sig	chr11_45209775
chr21	45490589	45490589	+	1.932E-14	2.3585E-13	-0.32123	hypo	sig	chr21_45490589
chr3	62371499	62371499	+	1.933E-14	2.3599E-13	0.314294	hyper	sig	chr3_62371499
chr6	28810531	28810531	+	1.935E-14	2.3625E-13	0.234156	hyper	sig	chr6_28810531
chr1	12210718	12210718	+	1.935E-14	2.3629E-13	-0.29906	hypo	sig	chr1_12210718
chr15	22262711	22262711	+	1.935E-14	2.3629E-13	-0.34454	hypo	sig	chr15_22262711
chr6	1.7E+08	170058727	+	1.937E-14	2.3645E-13	-0.24732	hypo	sig	chr6_170058727
chr11	64237911	64237911	+	1.937E-14	2.3646E-13	-0.23832	hypo	sig	chr11_64237911
chr6	50819945	50819945	+	1.939E-14	2.3666E-13	0.349915	hyper	sig	chr6_50819945
chr8	48838991	48838991	+	1.939E-14	2.3666E-13	-0.24639	hypo	sig	chr8_48838991
chr17	83062348	83062348	+	1.94E-14	2.3683E-13	-0.26613	hypo	sig	chr17_83062348
chr12	1.01E+08	101209644	+	1.943E-14	2.3721E-13	0.211398	hyper	sig	chr12_101209644
chr11	1.11E+08	111284088	+	1.944E-14	2.3724E-13	-0.21367	hypo	sig	chr11_111284088
chr2	1.3E+08	130229990	+	1.945E-14	2.3742E-13	-0.28107	hypo	sig	chr2_130229990
chr22	17370636	17370636	+	1.947E-14	2.377E-13	0.205489	hyper	sig	chr22_17370636
chr12	96490088	96490088	+	1.95E-14	2.3801E-13	0.258367	hyper	sig	chr12_96490088
chr3	48656530	48656530	+	1.951E-14	2.3812E-13	0.226876	hyper	sig	chr3_48656530
chr13	77662510	77662510	+	1.952E-14	2.3827E-13	-0.23676	hypo	sig	chr13_77662510
chr6	62286488	62286488	+	1.953E-14	2.3837E-13	0.281749	hyper	sig	chr6_62286488
chr9	1.33E+08	132586849	+	1.953E-14	2.384E-13	0.237708	hyper	sig	chr9_132586849
chr11	1.29E+08	128687049	+	1.954E-14	2.3847E-13	0.202573	hyper	sig	chr11_128687049
chr7	73399622	73399622	+	1.954E-14	2.3853E-13	0.263607	hyper	sig	chr7_73399622
chr6	1.44E+08	144278934	+	1.955E-14	2.386E-13	-0.239	hypo	sig	chr6_144278934
chr3	1.47E+08	147422337	+	1.957E-14	2.3884E-13	0.242974	hyper	sig	chr3_147422337
chr11	10729371	10729371	+	1.958E-14	2.3899E-13	0.212052	hyper	sig	chr11_10729371
chr11	2805617	2805617	+	1.96E-14	2.3916E-13	-0.22312	hypo	sig	chr11_2805617

chr12	1.32E+08	132433263	+	1.96E-14	2.3919E-13	0.206736	hyper	sig	chr12_132433263
chr6	1594858	1594858	+	1.96E-14	2.3923E-13	-0.3009	hypo	sig	chr6_1594858
chr17	76917836	76917836	+	1.961E-14	2.393E-13	-0.26188	hypo	sig	chr17_76917836
chr1	52843552	52843552	+	1.964E-14	2.3969E-13	0.294432	hyper	sig	chr1_52843552
chr9	1.37E+08	137217539	+	1.965E-14	2.397E-13	-0.23868	hypo	sig	chr9_137217539
chr5	1.6E+08	159916914	+	1.965E-14	2.3978E-13	0.238591	hyper	sig	chr5_159916914
chr2	88548702	88548702	+	1.966E-14	2.3982E-13	-0.20753	hypo	sig	chr2_88548702
chr2	85132729	85132729	+	1.966E-14	2.3987E-13	0.302745	hyper	sig	chr2_85132729
chr12	64390829	64390829	+	1.966E-14	2.3987E-13	0.20316	hyper	sig	chr12_64390829
chr13	52847553	52847553	+	1.966E-14	2.3989E-13	0.265549	hyper	sig	chr13_52847553
chr2	25822323	25822323	+	1.967E-14	2.3996E-13	0.268759	hyper	sig	chr2_25822323
chr1	22451228	22451228	+	1.967E-14	2.4001E-13	-0.21315	hypo	sig	chr1_22451228
chr5	1.71E+08	171310234	+	1.968E-14	2.4013E-13	0.208439	hyper	sig	chr5_171310234
chr9	95086158	95086158	+	1.969E-14	2.4015E-13	0.233584	hyper	sig	chr9_95086158
chr8	1.41E+08	141164491	+	1.97E-14	2.4035E-13	0.207611	hyper	sig	chr8_141164491
chr14	60507258	60507258	+	1.971E-14	2.4049E-13	0.303526	hyper	sig	chr14_60507258
chr1	31581237	31581237	+	1.972E-14	2.4055E-13	0.272396	hyper	sig	chr1_31581237
chr12	57727867	57727867	+	1.972E-14	2.4056E-13	0.390779	hyper	sig	chr12_57727867
chr13	50843850	50843850	+	1.974E-14	2.4079E-13	0.240363	hyper	sig	chr13_50843850
chr14	36659355	36659355	+	1.975E-14	2.4086E-13	0.251801	hyper	sig	chr14_36659355
chr10	1.33E+08	132794375	+	1.975E-14	2.4089E-13	-0.26177	hypo	sig	chr10_132794375
chr13	25300956	25300956	+	1.976E-14	2.41E-13	0.270011	hyper	sig	chr13_25300956
chr10	8043659	8043659	+	1.976E-14	2.4102E-13	0.30267	hyper	sig	chr10_8043659
chr3	1.47E+08	147411006	+	1.977E-14	2.411E-13	0.257282	hyper	sig	chr3_147411006
chr10	92695824	92695824	+	1.978E-14	2.4124E-13	0.2968	hyper	sig	chr10_92695824
chr6	1.7E+08	169810553	+	1.978E-14	2.4125E-13	-0.23193	hypo	sig	chr6_169810553
chr7	21542918	21542918	+	1.978E-14	2.4129E-13	0.209384	hyper	sig	chr7_21542918
chr7	6871575	6871575	+	1.979E-14	2.4131E-13	-0.23682	hypo	sig	chr7_6871575
chr12	57727219	57727219	+	1.98E-14	2.4141E-13	0.314347	hyper	sig	chr12_57727219
chr4	11427900	11427900	+	1.98E-14	2.4146E-13	0.222478	hyper	sig	chr4_11427900
chr2	44945062	44945062	+	1.981E-14	2.4153E-13	0.261329	hyper	sig	chr2_44945062
chr7	1.59E+08	158570039	+	1.981E-14	2.4162E-13	0.330629	hyper	sig	chr7_158570039
chr17	77316380	77316380	+	1.983E-14	2.4176E-13	0.270645	hyper	sig	chr17_77316380
chr1	2E+08	200038395	+	1.985E-14	2.4206E-13	0.285007	hyper	sig	chr1_200038395
chr1	2.1E+08	209756277	+	1.985E-14	2.4208E-13	-0.22126	hypo	sig	chr1_209756277
chr7	1323488	1323488	+	1.986E-14	2.4217E-13	0.246838	hyper	sig	chr7_1323488
chr10	1212059	1212059	+	1.986E-14	2.4219E-13	-0.28425	hypo	sig	chr10_1212059
chr14	28785732	28785732	+	1.988E-14	2.4246E-13	0.227834	hyper	sig	chr14_28785732
chr16	1088415	1088415	+	1.989E-14	2.4249E-13	-0.23289	hypo	sig	chr16_1088415
chr2	74549718	74549718	+	1.99E-14	2.4268E-13	-0.21802	hypo	sig	chr2_74549718
chr12	1.07E+08	106585654	+	1.991E-14	2.4278E-13	0.266997	hyper	sig	chr12_106585654
chr12	5882969	5882969	+	1.991E-14	2.428E-13	-0.25618	hypo	sig	chr12_5882969
chr7	1810681	1810681	+	1.993E-14	2.4304E-13	0.267472	hyper	sig	chr7_1810681
chr14	1.02E+08	102050795	+	1.994E-14	2.4307E-13	0.266011	hyper	sig	chr14_102050795
chr17	50424951	50424951	+	1.994E-14	2.4307E-13	-0.24644	hypo	sig	chr17_50424951
chr3	1.2E+08	120451590	+	1.994E-14	2.4308E-13	0.230995	hyper	sig	chr3_120451590
chr14	1.01E+08	100691590	+	1.996E-14	2.4337E-13	-0.2452	hypo	sig	chr14_100691590
chr3	1.57E+08	157120469	+	1.997E-14	2.4347E-13	-0.24628	hypo	sig	chr3_157120469
chr2	34494556	34494556	+	1.997E-14	2.4348E-13	-0.23634	hypo	sig	chr2_34494556
chr3	78112890	78112890	+	1.997E-14	2.4351E-13	-0.34882	hypo	sig	chr3_78112890
chr6	32056551	32056551	+	1.998E-14	2.4354E-13	-0.31475	hypo	sig	chr6_32056551
chr10	1.33E+08	133131354	+	1.999E-14	2.4366E-13	-0.26327	hypo	sig	chr10_133131354
chr11	27722745	27722745	+	1.999E-14	2.437E-13	0.377371	hyper	sig	chr11_27722745
chr17	48750163	48750163	+	2E-14	2.4377E-13	0.200724	hyper	sig	chr17_48750163
chr16	86508104	86508104	+	2E-14	2.4384E-13	0.241424	hyper	sig	chr16_86508104
chr2	2.39E+08	238967809	+	2.001E-14	2.4388E-13	-0.21509	hypo	sig	chr2_238967809

chr6	83524334	83524334	+	2.001E-14	2.439E-13	-0.21763	hypo	sig	chr6_83524334
chr13	30932668	30932668	+	2.003E-14	2.4414E-13	0.223662	hyper	sig	chr13_30932668
chr7	37916224	37916224	+	2.005E-14	2.4432E-13	0.260249	hyper	sig	chr7_37916224
chr6	34036355	34036355	+	2.005E-14	2.4436E-13	-0.36567	hypo	sig	chr6_34036355
chr7	590831	590831	+	2.006E-14	2.4443E-13	0.242843	hyper	sig	chr7_590831
chr10	6347763	6347763	+	2.006E-14	2.4445E-13	-0.21686	hypo	sig	chr10_6347763
chr16	85366198	85366198	+	2.006E-14	2.4448E-13	0.264259	hyper	sig	chr16_85366198
chr3	42685386	42685386	+	2.006E-14	2.4449E-13	-0.30448	hypo	sig	chr3_42685386
chr12	52258930	52258930	+	2.006E-14	2.445E-13	0.302913	hyper	sig	chr12_52258930
chr6	1.69E+08	169023444	+	2.008E-14	2.4465E-13	-0.35435	hypo	sig	chr6_169023444
chr9	96219218	96219218	+	2.008E-14	2.4468E-13	-0.30571	hypo	sig	chr9_96219218
chr9	1.34E+08	133893623	+	2.008E-14	2.4471E-13	-0.20097	hypo	sig	chr9_133893623
chr1	1.65E+08	164576470	+	2.008E-14	2.4471E-13	0.323862	hyper	sig	chr1_164576470
chr16	3065875	3065875	+	2.01E-14	2.4488E-13	-0.24848	hypo	sig	chr16_3065875
chr1	2.13E+08	213389607	+	2.01E-14	2.4489E-13	-0.22266	hypo	sig	chr1_213389607
chr1	2.07E+08	206579976	+	2.01E-14	2.449E-13	-0.21193	hypo	sig	chr1_206579976
chr3	27728568	27728568	+	2.01E-14	2.449E-13	0.270503	hyper	sig	chr3_27728568
chr3	1.54E+08	154428079	+	2.01E-14	2.4496E-13	0.262567	hyper	sig	chr3_154428079
chr18	80078021	80078021	+	2.01E-14	2.4496E-13	-0.23011	hypo	sig	chr18_80078021
chr18	57428353	57428353	+	2.011E-14	2.4505E-13	0.297927	hyper	sig	chr18_57428353
chr2	2.22E+08	221570494	+	2.011E-14	2.4508E-13	0.244849	hyper	sig	chr2_221570494
chr5	3599495	3599495	+	2.011E-14	2.4508E-13	0.325893	hyper	sig	chr5_3599495
chr19	12513936	12513936	+	2.012E-14	2.4516E-13	0.260246	hyper	sig	chr19_12513936
chr11	2826425	2826425	+	2.013E-14	2.4526E-13	0.246545	hyper	sig	chr11_2826425
chr7	1.54E+08	153887311	+	2.013E-14	2.4526E-13	0.286015	hyper	sig	chr7_153887311
chr6	32062353	32062353	+	2.014E-14	2.4533E-13	-0.22823	hypo	sig	chr6_32062353
chr4	41879384	41879384	+	2.016E-14	2.4565E-13	0.23711	hyper	sig	chr4_41879384
chr6	30907212	30907212	+	2.017E-14	2.457E-13	-0.22548	hypo	sig	chr6_30907212
chr10	43667434	43667434	+	2.017E-14	2.4576E-13	0.262038	hyper	sig	chr10_43667434
chr6	1.12E+08	112347199	+	2.017E-14	2.4577E-13	-0.22994	hypo	sig	chr6_112347199
chr4	7772935	7772935	+	2.018E-14	2.4582E-13	0.323746	hyper	sig	chr4_7772935
chr16	56193800	56193800	+	2.018E-14	2.4589E-13	0.259631	hyper	sig	chr16_56193800
chr10	43667403	43667403	+	2.019E-14	2.4597E-13	0.226572	hyper	sig	chr10_43667403
chr8	66432485	66432485	+	2.02E-14	2.4603E-13	0.321684	hyper	sig	chr8_66432485
chr16	30821944	30821944	+	2.021E-14	2.4613E-13	-0.2347	hypo	sig	chr16_30821944
chr2	2.41E+08	241198941	+	2.021E-14	2.462E-13	-0.22266	hypo	sig	chr2_241198941
chr5	1.41E+08	141173411	+	2.023E-14	2.4639E-13	0.27564	hyper	sig	chr5_141173411
chr11	64555946	64555946	+	2.024E-14	2.4652E-13	-0.2682	hypo	sig	chr11_64555946
chr2	55419330	55419330	+	2.026E-14	2.4675E-13	0.232644	hyper	sig	chr2_55419330
chr19	2772237	2772237	+	2.026E-14	2.468E-13	0.205026	hyper	sig	chr19_2772237
chr16	89972134	89972134	+	2.026E-14	2.468E-13	0.295817	hyper	sig	chr16_89972134
chr17	851131	851131	+	2.029E-14	2.4714E-13	0.266105	hyper	sig	chr17_851131
chr19	40384106	40384106	+	2.03E-14	2.4726E-13	0.21433	hyper	sig	chr19_40384106
chr3	44021912	44021912	+	2.031E-14	2.4733E-13	0.233425	hyper	sig	chr3_44021912
chr16	1961200	1961200	+	2.032E-14	2.4748E-13	-0.23335	hypo	sig	chr16_1961200
chr9	1.28E+08	128149248	+	2.033E-14	2.4756E-13	-0.33781	hypo	sig	chr9_128149248
chr10	630668	630668	+	2.034E-14	2.4764E-13	0.338063	hyper	sig	chr10_630668
chr7	1.58E+08	157775147	+	2.034E-14	2.4765E-13	-0.26024	hypo	sig	chr7_157775147
chr19	14085797	14085797	+	2.034E-14	2.4769E-13	0.348254	hyper	sig	chr19_14085797
chr18	33441048	33441048	+	2.038E-14	2.4813E-13	0.268338	hyper	sig	chr18_33441048
chr5	1.41E+08	140870867	+	2.038E-14	2.4819E-13	0.278587	hyper	sig	chr5_140870867
chr6	41239704	41239704	+	2.039E-14	2.4833E-13	0.267097	hyper	sig	chr6_41239704
chr18	63476760	63476760	+	2.04E-14	2.4836E-13	-0.25318	hypo	sig	chr18_63476760
chr10	16528188	16528188	+	2.04E-14	2.4845E-13	-0.31385	hypo	sig	chr10_16528188
chr1	46448884	46448884	+	2.042E-14	2.4859E-13	0.293081	hyper	sig	chr1_46448884
chr13	1.14E+08	114015383	+	2.043E-14	2.4868E-13	-0.25243	hypo	sig	chr13_114015383

chr12	1.32E+08	131686214	+	2.044E-14	2.4881E-13	-0.22217	hypo	sig	chr12_131686214
chr17	80446341	80446341	+	2.046E-14	2.4907E-13	-0.25628	hypo	sig	chr17_80446341
chr1	2.22E+08	222043723	+	2.046E-14	2.4913E-13	0.248117	hyper	sig	chr1_222043723
chr2	2.4E+08	240411059	+	2.046E-14	2.4915E-13	-0.29723	hypo	sig	chr2_240411059
chr12	1.14E+08	114441293	+	2.048E-14	2.4934E-13	0.291857	hyper	sig	chr12_114441293
chr17	60139290	60139290	+	2.048E-14	2.4936E-13	0.23224	hyper	sig	chr17_60139290
chr7	928968	928968	+	2.05E-14	2.495E-13	0.235754	hyper	sig	chr7_928968
chr11	59555852	59555852	+	2.051E-14	2.4972E-13	0.214421	hyper	sig	chr11_59555852
chr3	49867307	49867307	+	2.052E-14	2.4979E-13	-0.22516	hypo	sig	chr3_49867307
chr5	1.39E+08	139393604	+	2.052E-14	2.498E-13	0.25494	hyper	sig	chr5_139393604
chr6	50845926	50845926	+	2.053E-14	2.499E-13	0.337968	hyper	sig	chr6_50845926
chr5	573183	573183	+	2.055E-14	2.5009E-13	-0.21891	hypo	sig	chr5_573183
chr3	1.35E+08	134607499	+	2.055E-14	2.5018E-13	-0.2054	hypo	sig	chr3_134607499
chr1	11701658	11701658	+	2.056E-14	2.5029E-13	0.210905	hyper	sig	chr1_11701658
chr6	10417210	10417210	+	2.058E-14	2.5044E-13	0.320442	hyper	sig	chr6_10417210
chr15	99426628	99426628	+	2.058E-14	2.5049E-13	-0.28014	hypo	sig	chr15_99426628
chr6	30724118	30724118	+	2.058E-14	2.5052E-13	0.238981	hyper	sig	chr6_30724118
chr5	77638491	77638491	+	2.059E-14	2.5057E-13	0.291209	hyper	sig	chr5_77638491
chr1	1.12E+08	111618996	+	2.06E-14	2.5066E-13	-0.23513	hypo	sig	chr1_111618996
chr5	1.77E+08	177116980	+	2.062E-14	2.5099E-13	0.213869	hyper	sig	chr5_177116980
chr11	1872276	1872276	+	2.063E-14	2.5108E-13	-0.25105	hypo	sig	chr11_1872276
chr1	41920253	41920253	+	2.063E-14	2.5112E-13	-0.24421	hypo	sig	chr1_41920253
chr10	22476066	22476066	+	2.065E-14	2.5134E-13	0.222571	hyper	sig	chr10_22476066
chr3	1.28E+08	128493493	+	2.066E-14	2.5137E-13	0.288672	hyper	sig	chr3_128493493
chr17	5116491	5116491	+	2.066E-14	2.5143E-13	0.295849	hyper	sig	chr17_5116491
chr3	26622885	26622885	+	2.07E-14	2.5184E-13	0.259639	hyper	sig	chr3_26622885
chr8	2076552	2076552	+	2.07E-14	2.5192E-13	-0.21328	hypo	sig	chr8_2076552
chr5	1.8E+08	179519957	+	2.071E-14	2.5207E-13	-0.27739	hypo	sig	chr5_179519957
chr7	1.58E+08	158317408	+	2.072E-14	2.5211E-13	0.247656	hyper	sig	chr7_158317408
chr3	1.57E+08	157108024	+	2.072E-14	2.5213E-13	0.208936	hyper	sig	chr3_157108024
chr17	63932268	63932268	+	2.072E-14	2.5216E-13	-0.21397	hypo	sig	chr17_63932268
chr5	1.41E+08	140786589	+	2.073E-14	2.5221E-13	0.230297	hyper	sig	chr5_140786589
chr9	34460141	34460141	+	2.073E-14	2.5226E-13	-0.25982	hypo	sig	chr9_34460141
chr1	1.16E+08	116374997	+	2.075E-14	2.5243E-13	-0.24718	hypo	sig	chr1_116374997
chr12	1.31E+08	130716065	+	2.075E-14	2.5247E-13	0.250951	hyper	sig	chr12_130716065
chr20	33018717	33018717	+	2.076E-14	2.5255E-13	-0.25592	hypo	sig	chr20_33018717
chr5	73311769	73311769	+	2.078E-14	2.528E-13	0.270983	hyper	sig	chr5_73311769
chr10	1.31E+08	131240909	+	2.079E-14	2.529E-13	-0.26701	hypo	sig	chr10_131240909
chr7	2738427	2738427	+	2.081E-14	2.532E-13	0.24467	hyper	sig	chr7_2738427
chr11	507916	507916	+	2.082E-14	2.5325E-13	0.30735	hyper	sig	chr11_507916
chr17	4656800	4656800	+	2.083E-14	2.5342E-13	0.243558	hyper	sig	chr17_4656800
chr3	1.84E+08	184379638	+	2.083E-14	2.5342E-13	0.268861	hyper	sig	chr3_184379638
chr20	63074845	63074845	+	2.084E-14	2.5355E-13	-0.26382	hypo	sig	chr20_63074845
chr3	26622794	26622794	+	2.085E-14	2.5359E-13	0.254199	hyper	sig	chr3_26622794
chr19	50728471	50728471	+	2.085E-14	2.5363E-13	0.214892	hyper	sig	chr19_50728471
chr16	1149932	1149932	+	2.086E-14	2.5377E-13	0.232799	hyper	sig	chr16_1149932
chr16	30948185	30948185	+	2.087E-14	2.5386E-13	0.23465	hyper	sig	chr16_30948185
chr3	1.43E+08	143121349	+	2.087E-14	2.5387E-13	0.235615	hyper	sig	chr3_143121349
chr12	1.32E+08	132262888	+	2.088E-14	2.5397E-13	-0.2081	hypo	sig	chr12_132262888
chr7	24979191	24979191	+	2.089E-14	2.5413E-13	-0.26696	hypo	sig	chr7_24979191
chr6	1.69E+08	169173648	+	2.09E-14	2.5417E-13	-0.28101	hypo	sig	chr6_169173648
chr17	68307210	68307210	+	2.09E-14	2.5424E-13	-0.21888	hypo	sig	chr17_68307210
chr13	35699343	35699343	+	2.091E-14	2.543E-13	0.262482	hyper	sig	chr13_35699343
chr1	2.14E+08	213980129	+	2.093E-14	2.5456E-13	0.29543	hyper	sig	chr1_213980129
chr20	54475156	54475156	+	2.093E-14	2.5457E-13	0.301097	hyper	sig	chr20_54475156
chr5	1.41E+08	141339422	+	2.094E-14	2.5462E-13	0.225174	hyper	sig	chr5_141339422

chr22	50028104	50028104	+	2.095E-14	2.5481E-13	-0.32564	hypo	sig	chr22_50028104
chr7	561821	561821	+	2.096E-14	2.5486E-13	0.281265	hyper	sig	chr7_561821
chr3	1.97E+08	196754723	+	2.1E-14	2.5537E-13	-0.2424	hypo	sig	chr3_196754723
chr5	1.41E+08	141410178	+	2.1E-14	2.5538E-13	0.21593	hyper	sig	chr5_141410178
chr12	57727204	57727204	+	2.101E-14	2.5552E-13	0.320649	hyper	sig	chr12_57727204
chr14	96592446	96592446	+	2.104E-14	2.5587E-13	0.233632	hyper	sig	chr14_96592446
chr6	1.65E+08	165335989	+	2.106E-14	2.5604E-13	-0.36651	hypo	sig	chr6_165335989
chr8	1.2E+08	119672957	+	2.106E-14	2.5604E-13	0.21972	hyper	sig	chr8_119672957
chr13	1.12E+08	112074065	+	2.108E-14	2.5633E-13	0.246667	hyper	sig	chr13_112074065
chr19	48480211	48480211	+	2.108E-14	2.5634E-13	0.237796	hyper	sig	chr19_48480211
chr2	1.19E+08	118832947	+	2.108E-14	2.5634E-13	0.205058	hyper	sig	chr2_118832947
chr15	26774185	26774185	+	2.109E-14	2.5635E-13	0.201945	hyper	sig	chr15_26774185
chr8	1.42E+08	141507108	+	2.109E-14	2.5646E-13	-0.29799	hypo	sig	chr8_141507108
chr16	81584133	81584133	+	2.111E-14	2.5662E-13	-0.24139	hypo	sig	chr16_81584133
chr3	1.57E+08	157130627	+	2.112E-14	2.5678E-13	-0.24503	hypo	sig	chr3_157130627
chr11	1.35E+08	134942818	+	2.113E-14	2.5685E-13	0.207111	hyper	sig	chr11_134942818
chr16	15948996	15948996	+	2.113E-14	2.5687E-13	-0.23035	hypo	sig	chr16_15948996
chr5	1.81E+08	181195090	+	2.113E-14	2.5691E-13	0.230668	hyper	sig	chr5_181195090
chr10	1.27E+08	127496120	+	2.115E-14	2.5704E-13	0.232129	hyper	sig	chr10_127496120
chr2	2.39E+08	239308811	+	2.115E-14	2.5704E-13	0.274788	hyper	sig	chr2_239308811
chr2	2.42E+08	241910907	+	2.117E-14	2.5727E-13	-0.2696	hypo	sig	chr2_241910907
chr11	70826900	70826900	+	2.117E-14	2.573E-13	0.207081	hyper	sig	chr11_70826900
chr6	50820274	50820274	+	2.118E-14	2.5741E-13	0.275446	hyper	sig	chr6_50820274
chr14	1.06E+08	105772986	+	2.12E-14	2.5767E-13	-0.25661	hypo	sig	chr14_105772986
chr15	37093658	37093658	+	2.121E-14	2.5774E-13	0.298672	hyper	sig	chr15_37093658
chr11	32436230	32436230	+	2.121E-14	2.5783E-13	0.219496	hyper	sig	chr11_32436230
chr10	93068384	93068384	+	2.122E-14	2.5786E-13	0.210023	hyper	sig	chr10_93068384
chr16	1150002	1150002	+	2.123E-14	2.5806E-13	0.221561	hyper	sig	chr16_1150002
chr6	30102565	30102565	+	2.124E-14	2.581E-13	-0.24631	hypo	sig	chr6_30102565
chr19	50608105	50608105	+	2.124E-14	2.5811E-13	0.204439	hyper	sig	chr19_50608105
chr10	49769044	49769044	+	2.124E-14	2.5813E-13	0.389945	hyper	sig	chr10_49769044
chr8	41665918	41665918	+	2.125E-14	2.5818E-13	-0.25886	hypo	sig	chr8_41665918
chr7	1.57E+08	157078464	+	2.125E-14	2.5822E-13	0.232943	hyper	sig	chr7_157078464
chr9	97852919	97852919	+	2.125E-14	2.5828E-13	0.224616	hyper	sig	chr9_97852919
chr18	47932327	47932327	+	2.125E-14	2.5828E-13	-0.23059	hypo	sig	chr18_47932327
chr12	10030787	10030787	+	2.127E-14	2.5848E-13	-0.20578	hypo	sig	chr12_10030787
chr4	7697884	7697884	+	2.129E-14	2.5864E-13	-0.2814	hypo	sig	chr4_7697884
chr5	42994051	42994051	+	2.13E-14	2.5875E-13	0.227596	hyper	sig	chr5_42994051
chr1	15156257	15156257	+	2.13E-14	2.5884E-13	0.256901	hyper	sig	chr1_15156257
chr1	47439808	47439808	+	2.131E-14	2.5897E-13	0.249409	hyper	sig	chr1_47439808
chr7	63902655	63902655	+	2.132E-14	2.5899E-13	-0.26568	hypo	sig	chr7_63902655
chr3	1.43E+08	143121380	+	2.132E-14	2.59E-13	0.209747	hyper	sig	chr3_143121380
chr18	71032546	71032546	+	2.132E-14	2.5903E-13	-0.25789	hypo	sig	chr18_71032546
chr16	54938182	54938182	+	2.133E-14	2.5917E-13	0.252999	hyper	sig	chr16_54938182
chr11	61392177	61392177	+	2.134E-14	2.5922E-13	-0.20529	hypo	sig	chr11_61392177
chr7	568781	568781	+	2.134E-14	2.5924E-13	0.239139	hyper	sig	chr7_568781
chr19	51601374	51601374	+	2.136E-14	2.5946E-13	0.272545	hyper	sig	chr19_51601374
chr22	31095469	31095469	+	2.136E-14	2.5954E-13	0.303276	hyper	sig	chr22_31095469
chr14	80955666	80955666	+	2.138E-14	2.5968E-13	0.216724	hyper	sig	chr14_80955666
chr7	1.56E+08	155997557	+	2.138E-14	2.5968E-13	0.243886	hyper	sig	chr7_155997557
chr1	1.84E+08	184036856	+	2.138E-14	2.597E-13	0.206859	hyper	sig	chr1_184036856
chr4	1.85E+08	185021145	+	2.138E-14	2.597E-13	0.250259	hyper	sig	chr4_185021145
chr8	38651089	38651089	+	2.138E-14	2.5977E-13	0.28823	hyper	sig	chr8_38651089
chr12	5033882	5033882	+	2.138E-14	2.5978E-13	-0.28607	hypo	sig	chr12_5033882
chr16	54285046	54285046	+	2.139E-14	2.5983E-13	0.225135	hyper	sig	chr16_54285046
chr19	39265329	39265329	+	2.139E-14	2.5985E-13	0.336844	hyper	sig	chr19_39265329

chr20	46021745	46021745	+	2.14E-14	2.5997E-13	0.282305	hyper	sig	chr20_46021745
chr1	1166022	1166022	+	2.142E-14	2.6022E-13	-0.29024	hypo	sig	chr1_1166022
chr2	1.98E+08	197786611	+	2.142E-14	2.6022E-13	0.200259	hyper	sig	chr2_197786611
chr1	2.29E+08	229432685	+	2.144E-14	2.6039E-13	0.248151	hyper	sig	chr1_229432685
chr2	2.22E+08	222297981	+	2.144E-14	2.6046E-13	0.258898	hyper	sig	chr2_222297981
chr17	81023484	81023484	+	2.147E-14	2.6075E-13	-0.20687	hypo	sig	chr17_81023484
chr8	41671424	41671424	+	2.147E-14	2.6078E-13	0.239654	hyper	sig	chr8_41671424
chr3	49686127	49686127	+	2.148E-14	2.6082E-13	0.243834	hyper	sig	chr3_49686127
chr4	20253055	20253055	+	2.148E-14	2.6085E-13	0.244367	hyper	sig	chr4_20253055
chr16	1145571	1145571	+	2.149E-14	2.6099E-13	-0.24167	hypo	sig	chr16_1145571
chr8	96159510	96159510	+	2.15E-14	2.6114E-13	0.239533	hyper	sig	chr8_96159510
chr7	1.5E+08	150219572	+	2.15E-14	2.6116E-13	0.205541	hyper	sig	chr7_150219572
chr8	57219043	57219043	+	2.151E-14	2.6119E-13	-0.26326	hypo	sig	chr8_57219043
chr3	1.4E+08	139539063	+	2.151E-14	2.6125E-13	0.270021	hyper	sig	chr3_139539063
chr16	12903827	12903827	+	2.154E-14	2.6154E-13	0.244523	hyper	sig	chr16_12903827
chr9	91857442	91857442	+	2.154E-14	2.616E-13	0.21682	hyper	sig	chr9_91857442
chr7	568739	568739	+	2.155E-14	2.6168E-13	0.21265	hyper	sig	chr7_568739
chr10	1.33E+08	133389335	+	2.157E-14	2.6188E-13	-0.22269	hypo	sig	chr10_133389335
chr8	26049771	26049771	+	2.157E-14	2.6194E-13	0.200208	hyper	sig	chr8_26049771
chr9	1.37E+08	136821305	+	2.157E-14	2.6197E-13	0.245614	hyper	sig	chr9_136821305
chr10	50674905	50674905	+	2.158E-14	2.621E-13	-0.22869	hypo	sig	chr10_50674905
chr7	63560584	63560584	+	2.159E-14	2.6212E-13	-0.23298	hypo	sig	chr7_63560584
chr13	1.12E+08	111623504	+	2.159E-14	2.6221E-13	-0.20877	hypo	sig	chr13_111623504
chr2	1.53E+08	153478202	+	2.16E-14	2.6223E-13	0.221824	hyper	sig	chr2_153478202
chr12	1.32E+08	132202910	+	2.162E-14	2.6248E-13	-0.30566	hypo	sig	chr12_132202910
chr2	1.27E+08	127176077	+	2.162E-14	2.625E-13	0.225937	hyper	sig	chr2_127176077
chr12	49091230	49091230	+	2.163E-14	2.6266E-13	0.244339	hyper	sig	chr12_49091230
chr12	3294266	3294266	+	2.164E-14	2.6279E-13	-0.23593	hypo	sig	chr12_3294266
chr14	64601763	64601763	+	2.166E-14	2.6293E-13	0.251678	hyper	sig	chr14_64601763
chr14	1.05E+08	105478250	+	2.166E-14	2.6293E-13	-0.28368	hypo	sig	chr14_105478250
chr15	34754489	34754489	+	2.166E-14	2.6295E-13	0.271508	hyper	sig	chr15_34754489
chr4	1.4E+08	140469975	+	2.167E-14	2.6308E-13	0.261665	hyper	sig	chr4_140469975
chr8	66432490	66432490	+	2.168E-14	2.6324E-13	0.283671	hyper	sig	chr8_66432490
chr20	610497	610497	+	2.17E-14	2.6337E-13	0.292645	hyper	sig	chr20_610497
chr3	1.98E+08	198081862	+	2.17E-14	2.6345E-13	0.333132	hyper	sig	chr3_198081862
chr16	57799667	57799667	+	2.17E-14	2.6347E-13	-0.21513	hypo	sig	chr16_57799667
chr8	23404454	23404454	+	2.171E-14	2.635E-13	0.211196	hyper	sig	chr8_23404454
chr11	2869326	2869326	+	2.171E-14	2.6354E-13	0.220517	hyper	sig	chr11_2869326
chr2	1282820	1282820	+	2.172E-14	2.6365E-13	0.234802	hyper	sig	chr2_1282820
chr2	68319925	68319925	+	2.172E-14	2.6367E-13	0.233805	hyper	sig	chr2_68319925
chr18	47249200	47249200	+	2.173E-14	2.6372E-13	0.269584	hyper	sig	chr18_47249200
chr5	15500703	15500703	+	2.174E-14	2.6383E-13	0.217815	hyper	sig	chr5_15500703
chr3	13622038	13622038	+	2.175E-14	2.6394E-13	-0.22669	hypo	sig	chr3_13622038
chr17	79793688	79793688	+	2.175E-14	2.6396E-13	0.276043	hyper	sig	chr17_79793688
chr2	1.3E+08	130180703	+	2.176E-14	2.6411E-13	-0.20016	hypo	sig	chr2_130180703
chr7	2678721	2678721	+	2.176E-14	2.6413E-13	-0.3347	hypo	sig	chr7_2678721
chr17	36464890	36464890	+	2.177E-14	2.6417E-13	0.347959	hyper	sig	chr17_36464890
chr16	15434269	15434269	+	2.177E-14	2.6422E-13	0.266131	hyper	sig	chr16_15434269
chr20	63521798	63521798	+	2.179E-14	2.6441E-13	0.267913	hyper	sig	chr20_63521798
chr17	80978880	80978880	+	2.179E-14	2.6442E-13	-0.26295	hypo	sig	chr17_80978880
chr19	30224738	30224738	+	2.179E-14	2.6443E-13	0.209499	hyper	sig	chr19_30224738
chr4	6663971	6663971	+	2.179E-14	2.6445E-13	0.313633	hyper	sig	chr4_6663971
chr17	7855155	7855155	+	2.18E-14	2.645E-13	0.204826	hyper	sig	chr17_7855155
chr11	75428691	75428691	+	2.181E-14	2.6461E-13	0.214397	hyper	sig	chr11_75428691
chr6	28511474	28511474	+	2.181E-14	2.6464E-13	-0.23653	hypo	sig	chr6_28511474
chr10	1.02E+08	102419167	+	2.181E-14	2.6464E-13	0.244161	hyper	sig	chr10_102419167

chr16	89664753	89664753	+	2.181E-14	2.6467E-13	0.254474	hyper	sig	chr16_89664753
chr1	1.11E+08	111271164	+	2.181E-14	2.6468E-13	0.247266	hyper	sig	chr1_111271164
chr7	1.5E+08	150049368	+	2.182E-14	2.6481E-13	0.231466	hyper	sig	chr7_150049368
chr1	1.2E+08	120354793	+	2.185E-14	2.6516E-13	0.227871	hyper	sig	chr1_120354793
chr10	99236590	99236590	+	2.186E-14	2.6523E-13	0.265409	hyper	sig	chr10_99236590
chr10	97141014	97141014	+	2.186E-14	2.6527E-13	0.237505	hyper	sig	chr10_97141014
chr7	30136541	30136541	+	2.187E-14	2.6532E-13	0.264951	hyper	sig	chr7_30136541
chr6	1.14E+08	113860537	+	2.188E-14	2.6541E-13	0.244442	hyper	sig	chr6_113860537
chr17	42563182	42563182	+	2.188E-14	2.6543E-13	-0.24452	hypo	sig	chr17_42563182
chr17	41625864	41625864	+	2.189E-14	2.6554E-13	-0.28484	hypo	sig	chr17_41625864
chr19	18438857	18438857	+	2.19E-14	2.6565E-13	0.282471	hyper	sig	chr19_18438857
chr1	27350799	27350799	+	2.19E-14	2.6568E-13	0.295438	hyper	sig	chr1_27350799
chr2	38075323	38075323	+	2.191E-14	2.6582E-13	0.339286	hyper	sig	chr2_38075323
chr2	1.3E+08	129979924	+	2.193E-14	2.6608E-13	0.205238	hyper	sig	chr2_129979924
chr4	1.35E+08	134952949	+	2.194E-14	2.6611E-13	-0.28428	hypo	sig	chr4_134952949
chr2	6770396	6770396	+	2.196E-14	2.6634E-13	-0.28618	hypo	sig	chr2_6770396
chr8	98949954	98949954	+	2.196E-14	2.6636E-13	0.328183	hyper	sig	chr8_98949954
chr1	45622735	45622735	+	2.196E-14	2.6644E-13	0.23036	hyper	sig	chr1_45622735
chr12	3456958	3456958	+	2.197E-14	2.6646E-13	0.243636	hyper	sig	chr12_3456958
chr8	57219670	57219670	+	2.199E-14	2.667E-13	-0.22688	hypo	sig	chr8_57219670
chr7	98614421	98614421	+	2.199E-14	2.6679E-13	-0.29506	hypo	sig	chr7_98614421
chr7	35257527	35257527	+	2.2E-14	2.6682E-13	0.201775	hyper	sig	chr7_35257527
chr19	48837516	48837516	+	2.201E-14	2.6699E-13	0.269434	hyper	sig	chr19_48837516
chr4	1.9E+08	190019104	+	2.201E-14	2.6701E-13	0.278851	hyper	sig	chr4_190019104
chr11	737965	737965	+	2.202E-14	2.6709E-13	-0.24715	hypo	sig	chr11_737965
chr19	45234602	45234602	+	2.207E-14	2.6765E-13	0.340568	hyper	sig	chr19_45234602
chr2	1.2E+08	119523937	+	2.207E-14	2.677E-13	0.285148	hyper	sig	chr2_119523937
chr17	77373518	77373518	+	2.208E-14	2.6777E-13	0.264994	hyper	sig	chr17_77373518
chr13	99658141	99658141	+	2.208E-14	2.6781E-13	0.217514	hyper	sig	chr13_99658141
chr7	1.58E+08	157521403	+	2.209E-14	2.6787E-13	-0.23053	hypo	sig	chr7_157521403
chr13	1.13E+08	113090023	+	2.209E-14	2.6788E-13	0.381686	hyper	sig	chr13_113090023
chr20	62710665	62710665	+	2.209E-14	2.6792E-13	-0.23319	hypo	sig	chr20_62710665
chr5	1.41E+08	141409883	+	2.209E-14	2.6794E-13	0.279935	hyper	sig	chr5_141409883
chr19	419041	419041	+	2.211E-14	2.6808E-13	-0.2225	hypo	sig	chr19_419041
chr2	2.19E+08	219355068	+	2.211E-14	2.6817E-13	-0.27382	hypo	sig	chr2_219355068
chr11	61534777	61534777	+	2.212E-14	2.6824E-13	-0.32209	hypo	sig	chr11_61534777
chr3	1.82E+08	181726336	+	2.214E-14	2.6846E-13	0.380704	hyper	sig	chr3_181726336
chr5	2739097	2739097	+	2.214E-14	2.6848E-13	0.251688	hyper	sig	chr5_2739097
chr6	1.69E+08	168887202	+	2.216E-14	2.6867E-13	-0.25476	hypo	sig	chr6_168887202
chr6	34263610	34263610	+	2.216E-14	2.6871E-13	0.249158	hyper	sig	chr6_34263610
chr9	96486953	96486953	+	2.217E-14	2.6885E-13	0.211485	hyper	sig	chr9_96486953
chr12	1820499	1820499	+	2.218E-14	2.6892E-13	0.331402	hyper	sig	chr12_1820499
chr10	30162957	30162957	+	2.22E-14	2.6913E-13	-0.22413	hypo	sig	chr10_30162957
chr14	60511243	60511243	+	2.22E-14	2.6914E-13	0.21651	hyper	sig	chr14_60511243
chr11	64891431	64891431	+	2.221E-14	2.6927E-13	-0.21677	hypo	sig	chr11_64891431
chr12	6343334	6343334	+	2.222E-14	2.6942E-13	-0.24873	hypo	sig	chr12_6343334
chr3	1.41E+08	141052996	+	2.224E-14	2.6957E-13	0.22724	hyper	sig	chr3_141052996
chr2	2.32E+08	232487180	+	2.224E-14	2.6958E-13	0.220992	hyper	sig	chr2_232487180
chr17	40552338	40552338	+	2.224E-14	2.6967E-13	0.200793	hyper	sig	chr17_40552338
chr2	1.2E+08	120358899	+	2.224E-14	2.6967E-13	-0.27735	hypo	sig	chr2_120358899
chr11	31818154	31818154	+	2.227E-14	2.6994E-13	0.284689	hyper	sig	chr11_31818154
chr5	1.41E+08	141174176	+	2.228E-14	2.7007E-13	0.203562	hyper	sig	chr5_141174176
chr2	1.24E+08	124025347	+	2.229E-14	2.7013E-13	0.282708	hyper	sig	chr2_124025347
chr10	3288323	3288323	+	2.23E-14	2.7024E-13	-0.28757	hypo	sig	chr10_3288323
chr1	6455535	6455535	+	2.23E-14	2.7025E-13	0.210563	hyper	sig	chr1_6455535
chr13	53201849	53201849	+	2.23E-14	2.7027E-13	0.26832	hyper	sig	chr13_53201849

chr11	1.23E+08	122980079	+	2.23E-14	2.7034E-13	0.266089	hyper	sig	chr11_122980079
chr5	1.38E+08	138488493	+	2.231E-14	2.7044E-13	-0.2123	hypo	sig	chr5_138488493
chr7	25857875	25857875	+	2.232E-14	2.7048E-13	-0.25477	hypo	sig	chr7_25857875
chr5	73299883	73299883	+	2.232E-14	2.7049E-13	0.214558	hyper	sig	chr5_73299883
chr12	62192146	62192146	+	2.233E-14	2.7062E-13	0.251475	hyper	sig	chr12_62192146
chr19	51949275	51949275	+	2.234E-14	2.7071E-13	0.238602	hyper	sig	chr19_51949275
chr8	1.04E+08	103500829	+	2.234E-14	2.708E-13	0.256125	hyper	sig	chr8_103500829
chr6	1.5E+08	150038250	+	2.235E-14	2.7081E-13	0.367376	hyper	sig	chr6_150038250
chr12	5430917	5430917	+	2.235E-14	2.7083E-13	0.26775	hyper	sig	chr12_5430917
chr17	1029927	1029927	+	2.236E-14	2.7093E-13	0.222132	hyper	sig	chr17_1029927
chr10	1.24E+08	123992093	+	2.238E-14	2.7122E-13	0.218039	hyper	sig	chr10_123992093
chr16	84484749	84484749	+	2.238E-14	2.7123E-13	0.234141	hyper	sig	chr16_84484749
chr20	63794978	63794978	+	2.238E-14	2.7123E-13	-0.29438	hypo	sig	chr20_63794978
chr2	1.15E+08	115162898	+	2.239E-14	2.7137E-13	0.304996	hyper	sig	chr2_115162898
chr2	1.71E+08	170966397	+	2.241E-14	2.7155E-13	0.264883	hyper	sig	chr2_170966397
chr14	20625838	20625838	+	2.243E-14	2.7175E-13	0.2218	hyper	sig	chr14_20625838
chr19	53942721	53942721	+	2.244E-14	2.7192E-13	0.398892	hyper	sig	chr19_53942721
chr3	1.5E+08	149657222	+	2.244E-14	2.7193E-13	0.254026	hyper	sig	chr3_149657222
chr8	76681042	76681042	+	2.244E-14	2.7195E-13	0.262035	hyper	sig	chr8_76681042
chr6	27268119	27268119	+	2.245E-14	2.7196E-13	0.22358	hyper	sig	chr6_27268119
chr8	23706389	23706389	+	2.247E-14	2.7226E-13	0.209124	hyper	sig	chr8_23706389
chr1	1110140	1110140	+	2.249E-14	2.7246E-13	-0.24097	hypo	sig	chr1_1110140
chr20	63448310	63448310	+	2.25E-14	2.7258E-13	-0.21819	hypo	sig	chr20_63448310
chr19	3369716	3369716	+	2.251E-14	2.7267E-13	0.289241	hyper	sig	chr19_3369716
chr17	79183639	79183639	+	2.253E-14	2.7288E-13	0.225074	hyper	sig	chr17_79183639
chr3	1.25E+08	125141968	+	2.253E-14	2.7291E-13	0.262937	hyper	sig	chr3_125141968
chr17	82882876	82882876	+	2.254E-14	2.7303E-13	-0.30885	hypo	sig	chr17_82882876
chr7	1.57E+08	156615700	+	2.254E-14	2.7304E-13	-0.3332	hypo	sig	chr7_156615700
chr11	64971999	64971999	+	2.255E-14	2.7318E-13	0.227292	hyper	sig	chr11_64971999
chr16	67884840	67884840	+	2.255E-14	2.7319E-13	0.292872	hyper	sig	chr16_67884840
chr5	1.8E+08	179967008	+	2.256E-14	2.7322E-13	-0.30634	hypo	sig	chr5_179967008
chr6	1.1E+08	110400040	+	2.259E-14	2.7363E-13	0.375078	hyper	sig	chr6_110400040
chr7	44278937	44278937	+	2.261E-14	2.7383E-13	-0.32292	hypo	sig	chr7_44278937
chr3	43999607	43999607	+	2.261E-14	2.7389E-13	0.311421	hyper	sig	chr3_43999607
chr6	28635535	28635535	+	2.262E-14	2.7396E-13	0.275588	hyper	sig	chr6_28635535
chr6	77467089	77467089	+	2.266E-14	2.744E-13	0.253393	hyper	sig	chr6_77467089
chr9	96924890	96924890	+	2.266E-14	2.744E-13	0.33008	hyper	sig	chr9_96924890
chr10	26905635	26905635	+	2.266E-14	2.7443E-13	-0.24078	hypo	sig	chr10_26905635
chr16	88150658	88150658	+	2.266E-14	2.7444E-13	-0.26326	hypo	sig	chr16_88150658
chr7	1.29E+08	128511915	+	2.267E-14	2.7448E-13	-0.21128	hypo	sig	chr7_128511915
chr1	16532617	16532617	+	2.267E-14	2.7457E-13	0.240998	hyper	sig	chr1_16532617
chr4	7655618	7655618	+	2.268E-14	2.7462E-13	-0.24877	hypo	sig	chr4_7655618
chr3	1.54E+08	154428607	+	2.268E-14	2.7468E-13	0.233846	hyper	sig	chr3_154428607
chr19	10514192	10514192	+	2.27E-14	2.7488E-13	0.212414	hyper	sig	chr19_10514192
chr19	45322472	45322472	+	2.271E-14	2.7501E-13	-0.24989	hypo	sig	chr19_45322472
chr7	73809626	73809626	+	2.271E-14	2.7504E-13	-0.26942	hypo	sig	chr7_73809626
chr14	96595012	96595012	+	2.272E-14	2.7513E-13	-0.24392	hypo	sig	chr14_96595012
chr22	38214466	38214466	+	2.273E-14	2.7524E-13	0.291075	hyper	sig	chr22_38214466
chr5	1.81E+08	181174250	+	2.273E-14	2.7525E-13	0.279539	hyper	sig	chr5_181174250
chr11	1.34E+08	133935060	+	2.273E-14	2.7526E-13	-0.22551	hypo	sig	chr11_133935060
chr14	23576493	23576493	+	2.274E-14	2.7527E-13	0.31267	hyper	sig	chr14_23576493
chr11	68009106	68009106	+	2.275E-14	2.7542E-13	-0.27466	hypo	sig	chr11_68009106
chr19	9966578	9966578	+	2.275E-14	2.7548E-13	0.23166	hyper	sig	chr19_9966578
chr1	3217184	3217184	+	2.276E-14	2.755E-13	0.283296	hyper	sig	chr1_3217184
chr11	94545730	94545730	+	2.276E-14	2.7556E-13	-0.24443	hypo	sig	chr11_94545730
chr17	82387401	82387401	+	2.277E-14	2.7567E-13	-0.25538	hypo	sig	chr17_82387401

chr16	88978170	88978170	+	2.277E-14	2.7571E-13	-0.21798	hypo	sig	chr16_88978170
chr11	65868067	65868067	+	2.28E-14	2.7606E-13	0.272199	hyper	sig	chr11_65868067
chr15	27545574	27545574	+	2.28E-14	2.7606E-13	-0.21898	hypo	sig	chr15_27545574
chr4	1.11E+08	110612353	+	2.281E-14	2.7608E-13	0.221518	hyper	sig	chr4_110612353
chr22	39456741	39456741	+	2.282E-14	2.7623E-13	0.253493	hyper	sig	chr22_39456741
chr6	1.66E+08	166438330	+	2.283E-14	2.7636E-13	-0.22447	hypo	sig	chr6_166438330
chr7	24285318	24285318	+	2.283E-14	2.7641E-13	0.259659	hyper	sig	chr7_24285318
chr2	5932849	5932849	+	2.284E-14	2.7647E-13	0.227992	hyper	sig	chr2_5932849
chr12	1.17E+08	117033310	+	2.284E-14	2.7647E-13	0.233678	hyper	sig	chr12_117033310
chr1	17149324	17149324	+	2.285E-14	2.7658E-13	0.307832	hyper	sig	chr1_17149324
chr15	29568961	29568961	+	2.285E-14	2.7662E-13	-0.25609	hypo	sig	chr15_29568961
chr22	20062812	20062812	+	2.285E-14	2.7663E-13	-0.21255	hypo	sig	chr22_20062812
chr16	49278138	49278138	+	2.286E-14	2.7665E-13	0.258194	hyper	sig	chr16_49278138
chr17	61455203	61455203	+	2.286E-14	2.7672E-13	-0.23933	hypo	sig	chr17_61455203
chr2	7032173	7032173	+	2.287E-14	2.7679E-13	-0.25446	hypo	sig	chr2_7032173
chr7	1.57E+08	157467703	+	2.287E-14	2.7681E-13	-0.32443	hypo	sig	chr7_157467703
chr6	1.5E+08	150072467	+	2.288E-14	2.7693E-13	-0.28915	hypo	sig	chr6_150072467
chr19	36421878	36421878	+	2.29E-14	2.7711E-13	0.239919	hyper	sig	chr19_36421878
chr2	1539449	1539449	+	2.292E-14	2.7737E-13	-0.21165	hypo	sig	chr2_1539449
chr3	1.98E+08	197520309	+	2.292E-14	2.7738E-13	-0.29671	hypo	sig	chr3_197520309
chr21	42306030	42306030	+	2.293E-14	2.7747E-13	-0.27861	hypo	sig	chr21_42306030
chr18	79430048	79430048	+	2.297E-14	2.7799E-13	-0.28135	hypo	sig	chr18_79430048
chr5	1.41E+08	141476986	+	2.297E-14	2.7801E-13	0.256805	hyper	sig	chr5_141476986
chr1	1.52E+08	151721883	+	2.298E-14	2.7806E-13	0.234313	hyper	sig	chr1_151721883
chr10	1.17E+08	117132235	+	2.299E-14	2.7823E-13	0.359732	hyper	sig	chr10_117132235
chr12	1.14E+08	114480879	+	2.3E-14	2.7826E-13	0.248521	hyper	sig	chr12_114480879
chr5	1.77E+08	177357510	+	2.305E-14	2.7885E-13	-0.20544	hypo	sig	chr5_177357510
chr7	1.55E+08	155071064	+	2.304E-14	2.7885E-13	0.267899	hyper	sig	chr7_155071064
chr9	1.37E+08	137079336	+	2.305E-14	2.7891E-13	0.286394	hyper	sig	chr9_137079336
chr17	79540905	79540905	+	2.305E-14	2.7893E-13	-0.26778	hypo	sig	chr17_79540905
chr12	1.32E+08	131851014	+	2.305E-14	2.7893E-13	-0.26959	hypo	sig	chr12_131851014
chr14	55241148	55241148	+	2.306E-14	2.7903E-13	0.306967	hyper	sig	chr14_55241148
chr6	1.68E+08	168079128	+	2.308E-14	2.7925E-13	-0.27019	hypo	sig	chr6_168079128
chr12	6968751	6968751	+	2.308E-14	2.7928E-13	0.216865	hyper	sig	chr12_6968751
chr11	66864065	66864065	+	2.309E-14	2.7932E-13	-0.24604	hypo	sig	chr11_66864065
chr5	1.8E+08	180127679	+	2.31E-14	2.7949E-13	-0.34614	hypo	sig	chr5_180127679
chr5	73382351	73382351	+	2.311E-14	2.7953E-13	0.226698	hyper	sig	chr5_73382351
chr5	1.41E+08	141394346	+	2.311E-14	2.7963E-13	0.277249	hyper	sig	chr5_141394346
chr13	1.07E+08	106530778	+	2.312E-14	2.7974E-13	-0.27203	hypo	sig	chr13_106530778
chr1	2.08E+08	207823715	+	2.312E-14	2.7975E-13	0.227534	hyper	sig	chr1_207823715
chr6	55578963	55578963	+	2.313E-14	2.7978E-13	0.267745	hyper	sig	chr6_55578963
chr14	66012853	66012853	+	2.313E-14	2.7984E-13	-0.32336	hypo	sig	chr14_66012853
chr6	57855009	57855009	+	2.317E-14	2.8033E-13	-0.20839	hypo	sig	chr6_57855009
chr7	1.51E+08	151082060	+	2.318E-14	2.8046E-13	-0.2103	hypo	sig	chr7_151082060
chr12	6375053	6375053	+	2.32E-14	2.8061E-13	-0.26777	hypo	sig	chr12_6375053
chr6	1.68E+08	168388984	+	2.321E-14	2.8072E-13	-0.28727	hypo	sig	chr6_168388984
chr7	54698580	54698580	+	2.321E-14	2.8075E-13	-0.23267	hypo	sig	chr7_54698580
chr7	4715332	4715332	+	2.324E-14	2.8115E-13	0.24014	hyper	sig	chr7_4715332
chr6	73354962	73354962	+	2.326E-14	2.8141E-13	-0.2321	hypo	sig	chr6_73354962
chr5	1.41E+08	141423102	+	2.327E-14	2.8146E-13	0.256068	hyper	sig	chr5_141423102
chr3	37994408	37994408	+	2.329E-14	2.8169E-13	0.233224	hyper	sig	chr3_37994408
chr7	50794141	50794141	+	2.33E-14	2.8186E-13	-0.22238	hypo	sig	chr7_50794141
chr22	43824996	43824996	+	2.331E-14	2.819E-13	-0.23497	hypo	sig	chr22_43824996
chr10	1.23E+08	123142877	+	2.332E-14	2.8206E-13	0.256171	hyper	sig	chr10_123142877
chr5	1.41E+08	140836177	+	2.332E-14	2.8209E-13	0.258433	hyper	sig	chr5_140836177
chr1	2.4E+08	240093870	+	2.334E-14	2.8222E-13	0.284306	hyper	sig	chr1_240093870

chr20	21102182	21102182	+	2.334E-14	2.8222E-13	0.320699	hyper	sig	chr20_21102182
chr13	91399198	91399198	+	2.335E-14	2.8234E-13	0.22474	hyper	sig	chr13_91399198
chr16	3564381	3564381	+	2.335E-14	2.8238E-13	-0.25279	hypo	sig	chr16_3564381
chr4	1.54E+08	153759895	+	2.339E-14	2.8288E-13	0.299808	hyper	sig	chr4_153759895
chr11	17722133	17722133	+	2.342E-14	2.8316E-13	0.207478	hyper	sig	chr11_17722133
chr15	28832470	28832470	+	2.342E-14	2.8318E-13	0.216643	hyper	sig	chr15_28832470
chr17	50209490	50209490	+	2.343E-14	2.8331E-13	0.238048	hyper	sig	chr17_50209490
chr22	20205020	20205020	+	2.343E-14	2.8334E-13	0.211002	hyper	sig	chr22_20205020
chr10	1.33E+08	132786406	+	2.345E-14	2.8356E-13	0.21614	hyper	sig	chr10_132786406
chr6	1.5E+08	149964523	+	2.346E-14	2.8365E-13	0.211257	hyper	sig	chr6_149964523
chr5	1764277	1764277	+	2.346E-14	2.8372E-13	-0.22833	hypo	sig	chr5_1764277
chr5	1.77E+08	176619996	+	2.347E-14	2.8378E-13	0.235444	hyper	sig	chr5_176619996
chr7	4210607	4210607	+	2.348E-14	2.8389E-13	-0.26563	hypo	sig	chr7_4210607
chr1	1.81E+08	181409678	+	2.349E-14	2.8397E-13	-0.27463	hypo	sig	chr1_181409678
chr15	57326501	57326501	+	2.349E-14	2.8397E-13	-0.22822	hypo	sig	chr15_57326501
chr4	7324849	7324849	+	2.349E-14	2.8397E-13	-0.27726	hypo	sig	chr4_7324849
chr6	79947042	79947042	+	2.349E-14	2.8406E-13	0.202867	hyper	sig	chr6_79947042
chr19	3130777	3130777	+	2.35E-14	2.8409E-13	-0.27577	hypo	sig	chr19_3130777
chr16	29785114	29785114	+	2.352E-14	2.8436E-13	0.209808	hyper	sig	chr16_29785114
chr4	1056075	1056075	+	2.353E-14	2.8442E-13	-0.23037	hypo	sig	chr4_1056075
chr2	38515459	38515459	+	2.354E-14	2.8458E-13	0.242796	hyper	sig	chr2_38515459
chr17	887354	887354	+	2.354E-14	2.8464E-13	0.255808	hyper	sig	chr17_887354
chr7	27245132	27245132	+	2.355E-14	2.8469E-13	0.331243	hyper	sig	chr7_27245132
chr12	1.08E+08	107646132	+	2.359E-14	2.8518E-13	0.292027	hyper	sig	chr12_107646132
chr10	631258	631258	+	2.361E-14	2.8535E-13	-0.27249	hypo	sig	chr10_631258
chr20	58228984	58228984	+	2.361E-14	2.8541E-13	0.214439	hyper	sig	chr20_58228984
chr9	1.34E+08	133532031	+	2.361E-14	2.8545E-13	-0.37468	hypo	sig	chr9_133532031
chr19	47021891	47021891	+	2.365E-14	2.8594E-13	0.232323	hyper	sig	chr19_47021891
chr11	2266572	2266572	+	2.366E-14	2.8598E-13	-0.21259	hypo	sig	chr11_2266572
chr11	45652650	45652650	+	2.368E-14	2.8626E-13	-0.30589	hypo	sig	chr11_45652650
chr12	57609940	57609940	+	2.368E-14	2.8626E-13	0.27463	hyper	sig	chr12_57609940
chr6	93417609	93417609	+	2.369E-14	2.8635E-13	0.283475	hyper	sig	chr6_93417609
chr17	81161279	81161279	+	2.37E-14	2.8644E-13	-0.27946	hypo	sig	chr17_81161279
chr9	1.37E+08	136986056	+	2.371E-14	2.8659E-13	0.275919	hyper	sig	chr9_136986056
chr10	68562117	68562117	+	2.373E-14	2.8676E-13	0.267799	hyper	sig	chr10_68562117
chr13	1.12E+08	112451523	+	2.373E-14	2.8676E-13	-0.33451	hypo	sig	chr13_112451523
chr5	5146224	5146224	+	2.373E-14	2.8683E-13	-0.26055	hypo	sig	chr5_5146224
chr9	1.37E+08	136629257	+	2.377E-14	2.8722E-13	-0.22586	hypo	sig	chr9_136629257
chr7	1747517	1747517	+	2.377E-14	2.8731E-13	-0.27792	hypo	sig	chr7_1747517
chr1	2.36E+08	236394173	+	2.378E-14	2.8742E-13	-0.24246	hypo	sig	chr1_236394173
chr8	24914791	24914791	+	2.379E-14	2.8752E-13	0.21225	hyper	sig	chr8_24914791
chr12	1.31E+08	130704905	+	2.383E-14	2.8797E-13	-0.2643	hypo	sig	chr12_130704905
chr7	1.58E+08	157528016	+	2.383E-14	2.8797E-13	-0.29472	hypo	sig	chr7_157528016
chr11	32438066	32438066	+	2.384E-14	2.8804E-13	0.27	hyper	sig	chr11_32438066
chr11	68371044	68371044	+	2.384E-14	2.8814E-13	0.239637	hyper	sig	chr11_68371044
chr4	1.55E+08	155376941	+	2.386E-14	2.8833E-13	0.219167	hyper	sig	chr4_155376941
chr12	5431001	5431001	+	2.386E-14	2.8835E-13	0.226119	hyper	sig	chr12_5431001
chr6	1.59E+08	159168950	+	2.387E-14	2.8839E-13	0.24876	hyper	sig	chr6_159168950
chr4	1.04E+08	103719967	+	2.387E-14	2.8846E-13	0.210255	hyper	sig	chr4_103719967
chr17	80450551	80450551	+	2.389E-14	2.8869E-13	0.228232	hyper	sig	chr17_80450551
chr2	2.39E+08	239349332	+	2.39E-14	2.8873E-13	0.252128	hyper	sig	chr2_239349332
chr5	1.71E+08	171313866	+	2.391E-14	2.8889E-13	0.209275	hyper	sig	chr5_171313866
chr3	1.2E+08	120450939	+	2.392E-14	2.8898E-13	0.259839	hyper	sig	chr3_120450939
chr13	1.14E+08	114140434	+	2.392E-14	2.8906E-13	-0.20041	hypo	sig	chr13_114140434
chr6	401363	401363	+	2.393E-14	2.8913E-13	-0.22824	hypo	sig	chr6_401363
chr7	5302833	5302833	+	2.394E-14	2.892E-13	-0.2699	hypo	sig	chr7_5302833

chr19	29090933	29090933	+	2.395E-14	2.8937E-13	0.217765	hyper	sig	chr19_29090933
chr12	34292866	34292866	+	2.396E-14	2.8942E-13	-0.28804	hypo	sig	chr12_34292866
chr1	1.55E+08	154932310	+	2.398E-14	2.8973E-13	-0.25331	hypo	sig	chr1_154932310
chr21	33025998	33025998	+	2.399E-14	2.898E-13	0.261691	hyper	sig	chr21_33025998
chr5	1728430	1728430	+	2.407E-14	2.9081E-13	-0.28394	hypo	sig	chr5_1728430
chr12	1.2E+08	120361859	+	2.407E-14	2.9081E-13	0.263121	hyper	sig	chr12_120361859
chr15	99997598	99997598	+	2.41E-14	2.911E-13	-0.28427	hypo	sig	chr15_99997598
chr7	1.18E+08	118214555	+	2.412E-14	2.9139E-13	0.200017	hyper	sig	chr7_118214555
chr6	1.08E+08	108165213	+	2.414E-14	2.9159E-13	0.308039	hyper	sig	chr6_108165213
chr11	65592912	65592912	+	2.416E-14	2.9175E-13	0.280428	hyper	sig	chr11_65592912
chr18	63476712	63476712	+	2.416E-14	2.9182E-13	-0.27008	hypo	sig	chr18_63476712
chr13	1.11E+08	110797533	+	2.417E-14	2.9194E-13	-0.20006	hypo	sig	chr13_110797533
chr7	27160070	27160070	+	2.418E-14	2.9198E-13	-0.25072	hypo	sig	chr7_27160070
chr16	55328905	55328905	+	2.419E-14	2.9211E-13	0.313985	hyper	sig	chr16_55328905
chr18	49487711	49487711	+	2.419E-14	2.922E-13	-0.24146	hypo	sig	chr18_49487711
chr15	52294880	52294880	+	2.42E-14	2.9224E-13	-0.22453	hypo	sig	chr15_52294880
chr17	44558502	44558502	+	2.42E-14	2.9229E-13	0.314647	hyper	sig	chr17_44558502
chr15	89416693	89416693	+	2.421E-14	2.9243E-13	0.203484	hyper	sig	chr15_89416693
chr2	40452436	40452436	+	2.422E-14	2.9246E-13	0.224614	hyper	sig	chr2_40452436
chr11	2328577	2328577	+	2.422E-14	2.9249E-13	-0.23909	hypo	sig	chr11_2328577
chr8	23706495	23706495	+	2.423E-14	2.9261E-13	0.220742	hyper	sig	chr8_23706495
chr4	4868759	4868759	+	2.423E-14	2.9262E-13	0.269151	hyper	sig	chr4_4868759
chr11	66421213	66421213	+	2.425E-14	2.9283E-13	0.339641	hyper	sig	chr11_66421213
chr19	12997403	12997403	+	2.425E-14	2.9284E-13	0.215424	hyper	sig	chr19_12997403
chr2	2E+08	199604319	+	2.427E-14	2.9311E-13	0.237394	hyper	sig	chr2_199604319
chr22	46661474	46661474	+	2.428E-14	2.9317E-13	-0.2893	hypo	sig	chr22_46661474
chr2	2.39E+08	239247442	+	2.429E-14	2.9333E-13	-0.24622	hypo	sig	chr2_239247442
chr21	45286866	45286866	+	2.43E-14	2.9345E-13	0.242041	hyper	sig	chr21_45286866
chr6	1.08E+08	108166602	+	2.433E-14	2.9374E-13	0.21896	hyper	sig	chr6_108166602
chr10	93063041	93063041	+	2.433E-14	2.9383E-13	0.258856	hyper	sig	chr10_93063041
chr2	2.06E+08	205686555	+	2.434E-14	2.9393E-13	0.251898	hyper	sig	chr2_205686555
chr6	1.51E+08	150601411	+	2.436E-14	2.9407E-13	-0.26131	hypo	sig	chr6_150601411
chr15	52795284	52795284	+	2.436E-14	2.9413E-13	0.230522	hyper	sig	chr15_52795284
chr17	79748690	79748690	+	2.437E-14	2.9425E-13	0.266919	hyper	sig	chr17_79748690
chr3	1.96E+08	195834096	+	2.441E-14	2.9465E-13	-0.33439	hypo	sig	chr3_195834096
chr22	44626774	44626774	+	2.442E-14	2.948E-13	-0.2242	hypo	sig	chr22_44626774
chr6	7427068	7427068	+	2.443E-14	2.9495E-13	0.245508	hyper	sig	chr6_7427068
chr20	64178887	64178887	+	2.444E-14	2.9501E-13	-0.26754	hypo	sig	chr20_64178887
chr12	63151186	63151186	+	2.445E-14	2.9519E-13	0.352637	hyper	sig	chr12_63151186
chr19	40567697	40567697	+	2.446E-14	2.9524E-13	0.294568	hyper	sig	chr19_40567697
chr9	85526630	85526630	+	2.446E-14	2.953E-13	-0.28982	hypo	sig	chr9_85526630
chr19	5799290	5799290	+	2.446E-14	2.953E-13	-0.32373	hypo	sig	chr19_5799290
chr7	4804186	4804186	+	2.446E-14	2.9531E-13	-0.24249	hypo	sig	chr7_4804186
chr16	28259290	28259290	+	2.448E-14	2.9548E-13	0.257542	hyper	sig	chr16_28259290
chr7	561769	561769	+	2.452E-14	2.9597E-13	0.212694	hyper	sig	chr7_561769
chr17	79439120	79439120	+	2.453E-14	2.9606E-13	0.225396	hyper	sig	chr17_79439120
chr12	54047351	54047351	+	2.453E-14	2.9612E-13	0.265991	hyper	sig	chr12_54047351
chr5	3142786	3142786	+	2.453E-14	2.9612E-13	-0.22808	hypo	sig	chr5_3142786
chr19	50428173	50428173	+	2.453E-14	2.9613E-13	0.207368	hyper	sig	chr19_50428173
chr5	3606384	3606384	+	2.455E-14	2.9628E-13	0.27233	hyper	sig	chr5_3606384
chr11	75237048	75237048	+	2.456E-14	2.9638E-13	-0.2799	hypo	sig	chr11_75237048
chr1	90719569	90719569	+	2.459E-14	2.9684E-13	0.231158	hyper	sig	chr1_90719569
chr6	29755502	29755502	+	2.459E-14	2.9684E-13	0.217269	hyper	sig	chr6_29755502
chr2	27723999	27723999	+	2.462E-14	2.9711E-13	-0.20578	hypo	sig	chr2_27723999
chr2	96527408	96527408	+	2.465E-14	2.9751E-13	0.284037	hyper	sig	chr2_96527408
chr17	76264611	76264611	+	2.467E-14	2.977E-13	-0.24296	hypo	sig	chr17_76264611

chr13	40485003	40485003	+	2.468E-14	2.9786E-13	-0.26371	hypo	sig	chr13_40485003
chr15	62782699	62782699	+	2.469E-14	2.9799E-13	0.282177	hyper	sig	chr15_62782699
chr5	1.38E+08	138488571	+	2.471E-14	2.9816E-13	-0.2448	hypo	sig	chr5_138488571
chr13	25300995	25300995	+	2.473E-14	2.9844E-13	0.255318	hyper	sig	chr13_25300995
chr19	10514843	10514843	+	2.474E-14	2.9847E-13	0.207892	hyper	sig	chr19_10514843
chr2	2.19E+08	218962083	+	2.474E-14	2.9858E-13	0.20782	hyper	sig	chr2_218962083
chr19	39515985	39515985	+	2.476E-14	2.9871E-13	0.297821	hyper	sig	chr19_39515985
chr1	1325973	1325973	+	2.476E-14	2.988E-13	-0.23432	hypo	sig	chr1_1325973
chr2	1.56E+08	156320802	+	2.477E-14	2.9886E-13	0.257912	hyper	sig	chr2_156320802
chr3	30605896	30605896	+	2.477E-14	2.9888E-13	-0.21522	hypo	sig	chr3_30605896
chr15	96416954	96416954	+	2.478E-14	2.9899E-13	0.212719	hyper	sig	chr15_96416954
chr6	90612207	90612207	+	2.479E-14	2.9908E-13	0.212572	hyper	sig	chr6_90612207
chr7	1.51E+08	151199424	+	2.481E-14	2.9932E-13	0.286004	hyper	sig	chr7_151199424
chr11	1.19E+08	118679935	+	2.481E-14	2.9936E-13	-0.25163	hypo	sig	chr11_118679935
chr19	5846516	5846516	+	2.482E-14	2.9949E-13	-0.25277	hypo	sig	chr19_5846516
chr19	19211787	19211787	+	2.487E-14	3E-13	0.312274	hyper	sig	chr19_19211787
chr2	2.08E+08	208130560	+	2.49E-14	3.0037E-13	-0.21944	hypo	sig	chr2_208130560
chr12	45051112	45051112	+	2.49E-14	3.0037E-13	0.264009	hyper	sig	chr12_45051112
chr16	73063116	73063116	+	2.49E-14	3.0038E-13	-0.26672	hypo	sig	chr16_73063116
chr8	1.44E+08	143937888	+	2.491E-14	3.0048E-13	-0.22337	hypo	sig	chr8_143937888
chr5	1.42E+08	142013902	+	2.491E-14	3.0055E-13	-0.33613	hypo	sig	chr5_142013902
chr5	77211473	77211473	+	2.493E-14	3.0076E-13	0.266316	hyper	sig	chr5_77211473
chr2	2.19E+08	219497122	+	2.494E-14	3.0081E-13	0.260823	hyper	sig	chr2_219497122
chr14	97219176	97219176	+	2.495E-14	3.0094E-13	0.222581	hyper	sig	chr14_97219176
chr6	36120647	36120647	+	2.496E-14	3.0106E-13	-0.24464	hypo	sig	chr6_36120647
chr5	1.68E+08	168288550	+	2.498E-14	3.0124E-13	-0.25562	hypo	sig	chr5_168288550
chr5	1.41E+08	141364402	+	2.499E-14	3.0142E-13	0.233375	hyper	sig	chr5_141364402
chr1	939317	939317	+	2.501E-14	3.0162E-13	-0.23214	hypo	sig	chr1_939317
chr16	841525	841525	+	2.501E-14	3.0162E-13	-0.35723	hypo	sig	chr16_841525
chr1	18798722	18798722	+	2.501E-14	3.0164E-13	-0.21398	hypo	sig	chr1_18798722
chr10	68562132	68562132	+	2.501E-14	3.0165E-13	0.285894	hyper	sig	chr10_68562132
chr9	1.09E+08	109317937	+	2.503E-14	3.0182E-13	-0.22191	hypo	sig	chr9_109317937
chr18	74499191	74499191	+	2.503E-14	3.0187E-13	-0.26337	hypo	sig	chr18_74499191
chr10	86668471	86668471	+	2.505E-14	3.0208E-13	0.238915	hyper	sig	chr10_86668471
chr14	94772463	94772463	+	2.508E-14	3.0247E-13	0.255885	hyper	sig	chr14_94772463
chr2	45006425	45006425	+	2.509E-14	3.0253E-13	0.230086	hyper	sig	chr2_45006425
chr7	1.59E+08	159143858	+	2.509E-14	3.0261E-13	0.294505	hyper	sig	chr7_159143858
chr1	1.64E+08	164321674	+	2.51E-14	3.0265E-13	0.249363	hyper	sig	chr1_164321674
chr22	36286797	36286797	+	2.51E-14	3.0268E-13	0.282855	hyper	sig	chr22_36286797
chr1	2.35E+08	234721968	+	2.511E-14	3.0274E-13	0.230642	hyper	sig	chr1_234721968
chr1	1.44E+08	143651514	+	2.515E-14	3.032E-13	0.362599	hyper	sig	chr1_143651514
chr14	60511231	60511231	+	2.515E-14	3.0321E-13	0.213344	hyper	sig	chr14_60511231
chr13	26759722	26759722	+	2.516E-14	3.0332E-13	0.260609	hyper	sig	chr13_26759722
chr20	63805642	63805642	+	2.516E-14	3.0339E-13	-0.22161	hypo	sig	chr20_63805642
chr6	70282361	70282361	+	2.518E-14	3.036E-13	0.30282	hyper	sig	chr6_70282361
chr17	43955379	43955379	+	2.519E-14	3.037E-13	-0.20796	hypo	sig	chr17_43955379
chr6	34236205	34236205	+	2.519E-14	3.037E-13	-0.21551	hypo	sig	chr6_34236205
chr7	1.57E+08	157310108	+	2.52E-14	3.0377E-13	0.260621	hyper	sig	chr7_157310108
chr21	44990034	44990034	+	2.521E-14	3.0397E-13	0.249907	hyper	sig	chr21_44990034
chr1	46493220	46493220	+	2.522E-14	3.0403E-13	0.272647	hyper	sig	chr1_46493220
chr19	56393470	56393470	+	2.522E-14	3.0409E-13	0.209446	hyper	sig	chr19_56393470
chr16	29218854	29218854	+	2.523E-14	3.0413E-13	-0.26101	hypo	sig	chr16_29218854
chr18	49490827	49490827	+	2.523E-14	3.0418E-13	-0.25264	hypo	sig	chr18_49490827
chr16	839207	839207	+	2.524E-14	3.0421E-13	-0.2407	hypo	sig	chr16_839207
chr10	1.32E+08	131519320	+	2.525E-14	3.044E-13	0.220188	hyper	sig	chr10_131519320
chr16	69351790	69351790	+	2.527E-14	3.0456E-13	-0.22471	hypo	sig	chr16_69351790

chr7	1.4E+08	139524206	+	2.529E-14	3.0488E-13	0.207874	hyper	sig	chr7_139524206
chr19	53993018	53993018	+	2.534E-14	3.054E-13	0.261058	hyper	sig	chr19_53993018
chr8	57202503	57202503	+	2.534E-14	3.0544E-13	-0.23569	hypo	sig	chr8_57202503
chr19	345321	345321	+	2.535E-14	3.0548E-13	0.250514	hyper	sig	chr19_345321
chr8	1.44E+08	143937958	+	2.535E-14	3.0549E-13	-0.24725	hypo	sig	chr8_143937958
chr1	2242132	2242132	+	2.535E-14	3.0553E-13	0.261608	hyper	sig	chr1_2242132
chr10	1.03E+08	103277933	+	2.535E-14	3.0558E-13	0.279134	hyper	sig	chr10_103277933
chr5	1.41E+08	141352305	+	2.536E-14	3.056E-13	0.272144	hyper	sig	chr5_141352305
chr8	60001083	60001083	+	2.536E-14	3.0561E-13	-0.27568	hypo	sig	chr8_60001083
chr6	31499181	31499181	+	2.538E-14	3.059E-13	0.324752	hyper	sig	chr6_31499181
chr8	53880017	53880017	+	2.539E-14	3.0594E-13	0.231902	hyper	sig	chr8_53880017
chr16	3236036	3236036	+	2.539E-14	3.0595E-13	-0.33457	hypo	sig	chr16_3236036
chr9	1.34E+08	133972325	+	2.541E-14	3.0616E-13	-0.25286	hypo	sig	chr9_133972325
chr7	86644439	86644439	+	2.541E-14	3.0623E-13	0.234517	hyper	sig	chr7_86644439
chr10	26696830	26696830	+	2.541E-14	3.0625E-13	-0.21897	hypo	sig	chr10_26696830
chr6	40595943	40595943	+	2.542E-14	3.0629E-13	-0.26842	hypo	sig	chr6_40595943
chr2	2.38E+08	237958710	+	2.543E-14	3.0642E-13	-0.26332	hypo	sig	chr2_237958710
chr5	1.35E+08	135028249	+	2.543E-14	3.0642E-13	0.294178	hyper	sig	chr5_135028249
chr14	1.01E+08	100691641	+	2.544E-14	3.0651E-13	-0.24833	hypo	sig	chr14_100691641
chr11	6655308	6655308	+	2.545E-14	3.0663E-13	0.229735	hyper	sig	chr11_6655308
chr4	1.04E+08	103719282	+	2.548E-14	3.0696E-13	0.228947	hyper	sig	chr4_103719282
chr17	82332370	82332370	+	2.548E-14	3.0702E-13	-0.228	hypo	sig	chr17_82332370
chr12	1.28E+08	128268650	+	2.548E-14	3.0704E-13	0.235135	hyper	sig	chr12_128268650
chr16	165618	165618	+	2.549E-14	3.0708E-13	0.206912	hyper	sig	chr16_165618
chr15	89470265	89470265	+	2.549E-14	3.0715E-13	0.263532	hyper	sig	chr15_89470265
chr22	49999927	49999927	+	2.55E-14	3.0719E-13	0.231639	hyper	sig	chr22_49999927
chr19	18931983	18931983	+	2.55E-14	3.0722E-13	-0.27253	hypo	sig	chr19_18931983
chr10	8057068	8057068	+	2.55E-14	3.0724E-13	-0.27878	hypo	sig	chr10_8057068
chr17	49035695	49035695	+	2.552E-14	3.0748E-13	-0.28393	hypo	sig	chr17_49035695
chr5	33982133	33982133	+	2.553E-14	3.0753E-13	0.208103	hyper	sig	chr5_33982133
chr4	7985581	7985581	+	2.553E-14	3.0757E-13	-0.29242	hypo	sig	chr4_7985581
chr5	44388480	44388480	+	2.553E-14	3.0762E-13	0.263951	hyper	sig	chr5_44388480
chr2	2.4E+08	239506521	+	2.554E-14	3.0766E-13	-0.21675	hypo	sig	chr2_239506521
chr17	12664814	12664814	+	2.554E-14	3.0769E-13	0.272294	hyper	sig	chr17_12664814
chr5	6583659	6583659	+	2.554E-14	3.0772E-13	0.255044	hyper	sig	chr5_6583659
chr17	77373579	77373579	+	2.556E-14	3.0792E-13	0.284924	hyper	sig	chr17_77373579
chr19	50728418	50728418	+	2.556E-14	3.0792E-13	0.305469	hyper	sig	chr19_50728418
chr16	73063071	73063071	+	2.559E-14	3.0822E-13	-0.21799	hypo	sig	chr16_73063071
chr5	1.73E+08	173233804	+	2.56E-14	3.0837E-13	0.245616	hyper	sig	chr5_173233804
chr13	1.11E+08	111325126	+	2.561E-14	3.0848E-13	-0.23572	hypo	sig	chr13_111325126
chr12	6377894	6377894	+	2.562E-14	3.0859E-13	-0.21098	hypo	sig	chr12_6377894
chr1	1.19E+08	119000745	+	2.562E-14	3.0861E-13	0.266971	hyper	sig	chr1_119000745
chr16	230047	230047	+	2.562E-14	3.0861E-13	-0.21042	hypo	sig	chr16_230047
chr7	1.58E+08	157675751	+	2.563E-14	3.087E-13	-0.25591	hypo	sig	chr7_157675751
chr1	1.65E+08	165355631	+	2.564E-14	3.0887E-13	0.290116	hyper	sig	chr1_165355631
chr22	20438298	20438298	+	2.565E-14	3.0897E-13	0.25803	hyper	sig	chr22_20438298
chr19	3801683	3801683	+	2.567E-14	3.0921E-13	0.251282	hyper	sig	chr19_3801683
chr17	50468750	50468750	+	2.568E-14	3.0932E-13	0.276779	hyper	sig	chr17_50468750
chr8	64377250	64377250	+	2.57E-14	3.0954E-13	0.261327	hyper	sig	chr8_64377250
chr19	13001669	13001669	+	2.571E-14	3.0962E-13	0.236967	hyper	sig	chr19_13001669
chr8	1.44E+08	143569846	+	2.574E-14	3.0997E-13	0.252038	hyper	sig	chr8_143569846
chr8	41289541	41289541	+	2.575E-14	3.101E-13	-0.22529	hypo	sig	chr8_41289541
chr5	5135122	5135122	+	2.575E-14	3.1011E-13	0.213686	hyper	sig	chr5_5135122
chr2	1.71E+08	170823081	+	2.576E-14	3.1017E-13	0.226514	hyper	sig	chr2_170823081
chr5	56233386	56233386	+	2.576E-14	3.1024E-13	0.212469	hyper	sig	chr5_56233386
chr20	63068944	63068944	+	2.576E-14	3.1027E-13	-0.33521	hypo	sig	chr20_63068944

chr18	14999854	14999854	+	2.577E-14	3.1028E-13	0.265616	hyper	sig	chr18_14999854
chr2	65292701	65292701	+	2.578E-14	3.1047E-13	0.248969	hyper	sig	chr2_65292701
chr10	1.03E+08	103454061	+	2.579E-14	3.1049E-13	-0.31076	hypo	sig	chr10_103454061
chr16	49465180	49465180	+	2.579E-14	3.1058E-13	0.28653	hyper	sig	chr16_49465180
chr2	1.19E+08	118845514	+	2.58E-14	3.1067E-13	0.30536	hyper	sig	chr2_118845514
chr12	81759631	81759631	+	2.582E-14	3.1095E-13	0.205812	hyper	sig	chr12_81759631
chr11	9091911	9091911	+	2.586E-14	3.1136E-13	0.212756	hyper	sig	chr11_9091911
chr16	89837670	89837670	+	2.586E-14	3.1138E-13	-0.24134	hypo	sig	chr16_89837670
chr6	30358060	30358060	+	2.586E-14	3.1138E-13	0.244426	hyper	sig	chr6_30358060
chr7	1.54E+08	154054264	+	2.587E-14	3.1153E-13	-0.27878	hypo	sig	chr7_154054264
chr7	27122786	27122786	+	2.588E-14	3.1156E-13	-0.23375	hypo	sig	chr7_27122786
chr8	98948566	98948566	+	2.591E-14	3.1191E-13	0.25961	hyper	sig	chr8_98948566
chr11	1.25E+08	125496644	+	2.591E-14	3.1195E-13	0.242716	hyper	sig	chr11_125496644
chr19	51010890	51010890	+	2.591E-14	3.1197E-13	-0.23589	hypo	sig	chr19_51010890
chr2	2.33E+08	232551646	+	2.592E-14	3.1204E-13	-0.21457	hypo	sig	chr2_232551646
chr14	1.01E+08	100535833	+	2.594E-14	3.1226E-13	-0.22393	hypo	sig	chr14_100535833
chr10	70283813	70283813	+	2.595E-14	3.1235E-13	0.282755	hyper	sig	chr10_70283813
chr19	13962465	13962465	+	2.595E-14	3.1236E-13	0.281606	hyper	sig	chr19_13962465
chr11	17720638	17720638	+	2.595E-14	3.1236E-13	0.336741	hyper	sig	chr11_17720638
chr2	44932635	44932635	+	2.596E-14	3.1246E-13	0.355311	hyper	sig	chr2_44932635
chr17	74270510	74270510	+	2.596E-14	3.1246E-13	0.22753	hyper	sig	chr17_74270510
chr3	1.2E+08	120285371	+	2.6E-14	3.1301E-13	0.224689	hyper	sig	chr3_120285371
chr16	75206679	75206679	+	2.601E-14	3.131E-13	-0.31089	hypo	sig	chr16_75206679
chr14	56817837	56817837	+	2.602E-14	3.1324E-13	0.29799	hyper	sig	chr14_56817837
chr2	1.05E+08	105144521	+	2.604E-14	3.1341E-13	0.296831	hyper	sig	chr2_105144521
chr19	18787616	18787616	+	2.605E-14	3.1352E-13	0.260564	hyper	sig	chr19_18787616
chr4	1309877	1309877	+	2.605E-14	3.1356E-13	0.272998	hyper	sig	chr4_1309877
chr11	63838318	63838318	+	2.606E-14	3.1365E-13	-0.24869	hypo	sig	chr11_63838318
chr10	11165989	11165989	+	2.607E-14	3.1376E-13	0.200829	hyper	sig	chr10_11165989
chr5	1.8E+08	180389056	+	2.609E-14	3.1402E-13	-0.28357	hypo	sig	chr5_180389056
chr16	67163649	67163649	+	2.609E-14	3.1404E-13	0.29046	hyper	sig	chr16_67163649
chr19	3785880	3785880	+	2.61E-14	3.1413E-13	0.254281	hyper	sig	chr19_3785880
chr15	68230449	68230449	+	2.61E-14	3.1417E-13	-0.24091	hypo	sig	chr15_68230449
chr8	1.19E+08	119209595	+	2.612E-14	3.1432E-13	-0.23474	hypo	sig	chr8_119209595
chr9	1.37E+08	136821076	+	2.612E-14	3.1435E-13	0.310532	hyper	sig	chr9_136821076
chr4	1.84E+08	184017152	+	2.612E-14	3.1435E-13	0.214402	hyper	sig	chr4_184017152
chr7	2979527	2979527	+	2.614E-14	3.1461E-13	0.224782	hyper	sig	chr7_2979527
chr19	840707	840707	+	2.616E-14	3.1477E-13	-0.24008	hypo	sig	chr19_840707
chr11	22667169	22667169	+	2.619E-14	3.1517E-13	0.222244	hyper	sig	chr11_22667169
chr1	1304663	1304663	+	2.621E-14	3.1543E-13	0.31945	hyper	sig	chr1_1304663
chr10	99528160	99528160	+	2.622E-14	3.1551E-13	0.339394	hyper	sig	chr10_99528160
chr1	36321114	36321114	+	2.625E-14	3.1591E-13	0.250694	hyper	sig	chr1_36321114
chr19	58038504	58038504	+	2.626E-14	3.1601E-13	0.220593	hyper	sig	chr19_58038504
chr11	16611089	16611089	+	2.629E-14	3.1636E-13	0.242712	hyper	sig	chr11_16611089
chr12	1.31E+08	131380779	+	2.63E-14	3.1644E-13	0.246812	hyper	sig	chr12_131380779
chr16	78046203	78046203	+	2.632E-14	3.1672E-13	0.203765	hyper	sig	chr16_78046203
chr17	19745612	19745612	+	2.632E-14	3.1672E-13	-0.23535	hypo	sig	chr17_19745612
chr1	1.56E+08	156076711	+	2.634E-14	3.1693E-13	0.358496	hyper	sig	chr1_156076711
chr12	12884884	12884884	+	2.635E-14	3.1697E-13	-0.28845	hypo	sig	chr12_12884884
chr11	1834276	1834276	+	2.635E-14	3.1698E-13	-0.28188	hypo	sig	chr11_1834276
chr19	15935038	15935038	+	2.635E-14	3.1702E-13	-0.20767	hypo	sig	chr19_15935038
chr18	5196465	5196465	+	2.636E-14	3.171E-13	0.30877	hyper	sig	chr18_5196465
chr10	1.33E+08	133106956	+	2.637E-14	3.1719E-13	-0.21924	hypo	sig	chr10_133106956
chr1	2043387	2043387	+	2.637E-14	3.1722E-13	-0.26482	hypo	sig	chr1_2043387
chr13	29480322	29480322	+	2.638E-14	3.1739E-13	-0.24802	hypo	sig	chr13_29480322
chr16	1543513	1543513	+	2.639E-14	3.1747E-13	-0.2627	hypo	sig	chr16_1543513

chr18	46072636	46072636	+	2.64E-14	3.1762E-13	0.233894	hyper	sig	chr18_46072636
chr22	50314595	50314595	+	2.641E-14	3.1765E-13	-0.29265	hypo	sig	chr22_50314595
chr17	80067851	80067851	+	2.642E-14	3.1776E-13	-0.32994	hypo	sig	chr17_80067851
chr17	50185738	50185738	+	2.643E-14	3.1793E-13	0.305785	hyper	sig	chr17_50185738
chr6	1.01E+08	101392468	+	2.643E-14	3.1795E-13	0.270446	hyper	sig	chr6_101392468
chr21	36696301	36696301	+	2.646E-14	3.1824E-13	0.353956	hyper	sig	chr21_36696301
chr7	57868104	57868104	+	2.646E-14	3.1828E-13	0.28016	hyper	sig	chr7_57868104
chr2	96554730	96554730	+	2.65E-14	3.1873E-13	0.242897	hyper	sig	chr2_96554730
chr7	93575166	93575166	+	2.651E-14	3.1881E-13	0.200781	hyper	sig	chr7_93575166
chr1	30806380	30806380	+	2.652E-14	3.1893E-13	-0.26933	hypo	sig	chr1_30806380
chr8	54460009	54460009	+	2.653E-14	3.1905E-13	0.257098	hyper	sig	chr8_54460009
chr1	23980859	23980859	+	2.653E-14	3.1911E-13	-0.23978	hypo	sig	chr1_23980859
chr16	88394414	88394414	+	2.66E-14	3.1987E-13	-0.21073	hypo	sig	chr16_88394414
chr19	14085755	14085755	+	2.66E-14	3.1989E-13	0.33057	hyper	sig	chr19_14085755
chr7	1.54E+08	154390890	+	2.66E-14	3.1994E-13	-0.24574	hypo	sig	chr7_154390890
chr11	64891254	64891254	+	2.661E-14	3.2005E-13	-0.20292	hypo	sig	chr11_64891254
chr17	42851335	42851335	+	2.661E-14	3.2005E-13	0.214468	hyper	sig	chr17_42851335
chr15	22951891	22951891	+	2.662E-14	3.2013E-13	0.218283	hyper	sig	chr15_22951891
chr17	247914	247914	+	2.664E-14	3.2036E-13	-0.21589	hypo	sig	chr17_247914
chr9	1.37E+08	137494152	+	2.665E-14	3.2042E-13	-0.20543	hypo	sig	chr9_137494152
chr4	1.84E+08	184166805	+	2.665E-14	3.2046E-13	-0.32885	hypo	sig	chr4_184166805
chr12	1.04E+08	104458373	+	2.665E-14	3.2048E-13	0.213694	hyper	sig	chr12_104458373
chr20	62643750	62643750	+	2.666E-14	3.2057E-13	-0.26231	hypo	sig	chr20_62643750
chr20	46201114	46201114	+	2.666E-14	3.2061E-13	0.253807	hyper	sig	chr20_46201114
chr1	2.4E+08	240493350	+	2.667E-14	3.207E-13	-0.2198	hypo	sig	chr1_240493350
chr6	10410114	10410114	+	2.668E-14	3.2081E-13	0.29486	hyper	sig	chr6_10410114
chr17	43780248	43780248	+	2.669E-14	3.2092E-13	-0.2217	hypo	sig	chr17_43780248
chr2	2.36E+08	235749453	+	2.67E-14	3.2107E-13	0.330773	hyper	sig	chr2_235749453
chr2	2.22E+08	222295144	+	2.671E-14	3.2119E-13	0.352597	hyper	sig	chr2_222295144
chr13	1.11E+08	110799743	+	2.676E-14	3.2172E-13	0.272197	hyper	sig	chr13_110799743
chr4	1.47E+08	146647563	+	2.676E-14	3.2175E-13	0.301787	hyper	sig	chr4_146647563
chr21	36694801	36694801	+	2.677E-14	3.2182E-13	0.270953	hyper	sig	chr21_36694801
chr1	3021701	3021701	+	2.677E-14	3.2184E-13	-0.24863	hypo	sig	chr1_3021701
chr12	1.32E+08	132343831	+	2.68E-14	3.222E-13	0.267657	hyper	sig	chr12_132343831
chr16	2319875	2319875	+	2.682E-14	3.2243E-13	-0.28708	hypo	sig	chr16_2319875
chr7	57404844	57404844	+	2.684E-14	3.2262E-13	0.300955	hyper	sig	chr7_57404844
chr17	48543098	48543098	+	2.684E-14	3.2267E-13	0.217016	hyper	sig	chr17_48543098
chr19	2428543	2428543	+	2.684E-14	3.2268E-13	0.228317	hyper	sig	chr19_2428543
chr3	13877925	13877925	+	2.685E-14	3.2283E-13	0.244829	hyper	sig	chr3_13877925
chr11	66543889	66543889	+	2.686E-14	3.2285E-13	0.229149	hyper	sig	chr11_66543889
chr1	1.57E+08	156845477	+	2.686E-14	3.2287E-13	0.24613	hyper	sig	chr1_156845477
chr3	19946108	19946108	+	2.687E-14	3.2294E-13	-0.24104	hypo	sig	chr3_19946108
chr5	1.54E+08	154479364	+	2.687E-14	3.23E-13	0.210704	hyper	sig	chr5_154479364
chr2	31581307	31581307	+	2.687E-14	3.2303E-13	0.313123	hyper	sig	chr2_31581307
chr6	30127418	30127418	+	2.688E-14	3.2309E-13	0.250841	hyper	sig	chr6_30127418
chr8	78762399	78762399	+	2.688E-14	3.2309E-13	0.243984	hyper	sig	chr8_78762399
chr2	1.39E+08	138901113	+	2.689E-14	3.2326E-13	-0.26289	hypo	sig	chr2_138901113
chr12	1.32E+08	132480654	+	2.69E-14	3.2327E-13	-0.26371	hypo	sig	chr12_132480654
chr3	42936454	42936454	+	2.69E-14	3.2329E-13	0.221302	hyper	sig	chr3_42936454
chr2	2.32E+08	231528402	+	2.69E-14	3.2331E-13	-0.24815	hypo	sig	chr2_231528402
chr1	2.37E+08	236686969	+	2.691E-14	3.2343E-13	0.280976	hyper	sig	chr1_236686969
chr5	55738250	55738250	+	2.692E-14	3.235E-13	-0.28006	hypo	sig	chr5_55738250
chr1	1.66E+08	166165996	+	2.695E-14	3.2387E-13	0.202477	hyper	sig	chr1_166165996
chr5	1553106	1553106	+	2.695E-14	3.2389E-13	0.2089	hyper	sig	chr5_1553106
chr12	77326379	77326379	+	2.695E-14	3.2394E-13	-0.23785	hypo	sig	chr12_77326379
chr3	5023454	5023454	+	2.698E-14	3.2425E-13	-0.2747	hypo	sig	chr3_5023454

chr6	1.66E+08	165988593	+	2.698E-14	3.2429E-13	0.238973	hyper	sig	chr6_165988593
chr1	1965111	1965111	+	2.7E-14	3.2442E-13	-0.21994	hypo	sig	chr1_1965111
chr8	1.31E+08	131487319	+	2.7E-14	3.2442E-13	-0.24173	hypo	sig	chr8_131487319
chr1	2204210	2204210	+	2.701E-14	3.2459E-13	0.26342	hyper	sig	chr1_2204210
chr7	2567207	2567207	+	2.701E-14	3.2459E-13	0.230577	hyper	sig	chr7_2567207
chr11	70782839	70782839	+	2.703E-14	3.2484E-13	-0.2793	hypo	sig	chr11_70782839
chr13	67230273	67230273	+	2.704E-14	3.2496E-13	0.200687	hyper	sig	chr13_67230273
chr22	50054663	50054663	+	2.704E-14	3.2496E-13	-0.23189	hypo	sig	chr22_50054663
chr19	46468116	46468116	+	2.705E-14	3.2506E-13	-0.25513	hypo	sig	chr19_46468116
chr19	53978366	53978366	+	2.705E-14	3.2508E-13	0.354526	hyper	sig	chr19_53978366
chr13	23159197	23159197	+	2.706E-14	3.2515E-13	-0.20782	hypo	sig	chr13_23159197
chr7	4862033	4862033	+	2.708E-14	3.2532E-13	0.354552	hyper	sig	chr7_4862033
chr16	66579070	66579070	+	2.708E-14	3.2537E-13	0.24892	hyper	sig	chr16_66579070
chr9	91992783	91992783	+	2.71E-14	3.2556E-13	-0.25197	hypo	sig	chr9_91992783
chr17	20907922	20907922	+	2.71E-14	3.2557E-13	-0.30973	hypo	sig	chr17_20907922
chr19	3785845	3785845	+	2.712E-14	3.2581E-13	0.234239	hyper	sig	chr19_3785845
chr20	327659	327659	+	2.713E-14	3.2594E-13	0.302444	hyper	sig	chr20_327659
chr14	56795386	56795386	+	2.715E-14	3.2617E-13	0.244505	hyper	sig	chr14_56795386
chr14	36659911	36659911	+	2.717E-14	3.2634E-13	0.208626	hyper	sig	chr14_36659911
chr9	36739784	36739784	+	2.718E-14	3.2653E-13	0.262468	hyper	sig	chr9_36739784
chr16	30650236	30650236	+	2.72E-14	3.2677E-13	0.252643	hyper	sig	chr16_30650236
chr5	77638757	77638757	+	2.724E-14	3.2717E-13	0.220712	hyper	sig	chr5_77638757
chr5	1.41E+08	141239893	+	2.724E-14	3.2722E-13	0.238899	hyper	sig	chr5_141239893
chr3	1.47E+08	147369920	+	2.725E-14	3.2731E-13	0.251417	hyper	sig	chr3_147369920
chr14	1.02E+08	101964190	+	2.725E-14	3.2734E-13	0.268754	hyper	sig	chr14_101964190
chr7	1.42E+08	141550575	+	2.726E-14	3.2742E-13	0.259952	hyper	sig	chr7_141550575
chr6	1.69E+08	168887209	+	2.726E-14	3.2747E-13	-0.26267	hypo	sig	chr6_168887209
chr4	1.72E+08	171813083	+	2.727E-14	3.2757E-13	0.234429	hyper	sig	chr4_171813083
chr6	10410122	10410122	+	2.728E-14	3.276E-13	0.308413	hyper	sig	chr6_10410122
chr2	1.35E+08	134717808	+	2.73E-14	3.2789E-13	0.332281	hyper	sig	chr2_134717808
chr16	1088344	1088344	+	2.73E-14	3.2792E-13	-0.27007	hypo	sig	chr16_1088344
chr2	1.56E+08	156320833	+	2.731E-14	3.2794E-13	0.252935	hyper	sig	chr2_156320833
chr15	74136706	74136706	+	2.731E-14	3.2796E-13	0.284141	hyper	sig	chr15_74136706
chr5	71719091	71719091	+	2.732E-14	3.2815E-13	0.274082	hyper	sig	chr5_71719091
chr19	48297398	48297398	+	2.733E-14	3.282E-13	-0.24328	hypo	sig	chr19_48297398
chr3	1.7E+08	169660208	+	2.734E-14	3.2835E-13	0.255643	hyper	sig	chr3_169660208
chr11	1.25E+08	124865193	+	2.737E-14	3.2865E-13	0.23364	hyper	sig	chr11_124865193
chr19	5245965	5245965	+	2.739E-14	3.2893E-13	-0.21961	hypo	sig	chr19_5245965
chr19	46413761	46413761	+	2.741E-14	3.2919E-13	0.299786	hyper	sig	chr19_46413761
chr3	1.26E+08	125969697	+	2.742E-14	3.2923E-13	-0.20655	hypo	sig	chr3_125969697
chr1	27725191	27725191	+	2.743E-14	3.2942E-13	-0.26766	hypo	sig	chr1_27725191
chr20	62474903	62474903	+	2.744E-14	3.2945E-13	0.299099	hyper	sig	chr20_62474903
chr7	1.22E+08	122315807	+	2.744E-14	3.2954E-13	0.220271	hyper	sig	chr7_122315807
chr20	48827229	48827229	+	2.745E-14	3.296E-13	0.26218	hyper	sig	chr20_48827229
chr4	1.55E+08	155209008	+	2.746E-14	3.2967E-13	0.283286	hyper	sig	chr4_155209008
chr17	4745344	4745344	+	2.746E-14	3.2971E-13	0.289184	hyper	sig	chr17_4745344
chr2	2.39E+08	239081551	+	2.747E-14	3.2977E-13	0.237958	hyper	sig	chr2_239081551
chr5	1.73E+08	173238358	+	2.749E-14	3.3003E-13	0.24743	hyper	sig	chr5_173238358
chr11	1.2E+08	120124178	+	2.749E-14	3.3006E-13	-0.20434	hypo	sig	chr11_120124178
chr1	1.54E+08	153568152	+	2.752E-14	3.3043E-13	-0.37409	hypo	sig	chr1_153568152
chr8	1.44E+08	144416532	+	2.752E-14	3.3044E-13	-0.24858	hypo	sig	chr8_144416532
chr2	1.05E+08	104867039	+	2.755E-14	3.3075E-13	0.274916	hyper	sig	chr2_104867039
chr11	30016211	30016211	+	2.755E-14	3.3079E-13	0.295318	hyper	sig	chr11_30016211
chr11	1.29E+08	129372661	+	2.756E-14	3.3091E-13	0.26616	hyper	sig	chr11_129372661
chr5	1.73E+08	173243878	+	2.759E-14	3.3117E-13	0.279279	hyper	sig	chr5_173243878
chr19	50943685	50943685	+	2.761E-14	3.3148E-13	-0.26877	hypo	sig	chr19_50943685

chr13	1.11E+08	110921766	+	2.761E-14	3.3151E-13	-0.24999	hypo	sig	chr13_110921766
chr7	1232782	1232782	+	2.762E-14	3.3155E-13	0.254369	hyper	sig	chr7_1232782
chr4	1602775	1602775	+	2.765E-14	3.3194E-13	-0.32567	hypo	sig	chr4_1602775
chr13	24328348	24328348	+	2.766E-14	3.3197E-13	0.207818	hyper	sig	chr13_24328348
chr1	37557117	37557117	+	2.766E-14	3.3207E-13	0.248042	hyper	sig	chr1_37557117
chr13	40922654	40922654	+	2.767E-14	3.322E-13	-0.26586	hypo	sig	chr13_40922654
chr16	86578706	86578706	+	2.769E-14	3.3238E-13	0.259182	hyper	sig	chr16_86578706
chr19	42199700	42199700	+	2.769E-14	3.3239E-13	-0.20993	hypo	sig	chr19_42199700
chr12	6142262	6142262	+	2.772E-14	3.3276E-13	-0.25742	hypo	sig	chr12_6142262
chr19	36605623	36605623	+	2.772E-14	3.3276E-13	0.23844	hyper	sig	chr19_36605623
chr7	31517528	31517528	+	2.773E-14	3.3279E-13	-0.23136	hypo	sig	chr7_31517528
chr8	38465111	38465111	+	2.773E-14	3.328E-13	0.239307	hyper	sig	chr8_38465111
chr15	83284017	83284017	+	2.773E-14	3.3286E-13	0.278515	hyper	sig	chr15_83284017
chr7	1223619	1223619	+	2.774E-14	3.3296E-13	-0.27571	hypo	sig	chr7_1223619
chr13	40485013	40485013	+	2.775E-14	3.3303E-13	-0.22422	hypo	sig	chr13_40485013
chr17	82320990	82320990	+	2.775E-14	3.3309E-13	-0.26315	hypo	sig	chr17_82320990
chr2	2.39E+08	239118523	+	2.776E-14	3.3316E-13	0.201514	hyper	sig	chr2_239118523
chr6	1.5E+08	150037737	+	2.776E-14	3.3319E-13	0.229889	hyper	sig	chr6_150037737
chr6	99609267	99609267	+	2.778E-14	3.3337E-13	0.251767	hyper	sig	chr6_99609267
chr1	64967677	64967677	+	2.78E-14	3.3359E-13	-0.20554	hypo	sig	chr1_64967677
chr8	22154133	22154133	+	2.78E-14	3.3363E-13	-0.2559	hypo	sig	chr8_22154133
chr12	1644979	1644979	+	2.78E-14	3.3363E-13	0.289578	hyper	sig	chr12_1644979
chr5	1395240	1395240	+	2.781E-14	3.3377E-13	0.238787	hyper	sig	chr5_1395240
chr14	37622575	37622575	+	2.782E-14	3.3384E-13	0.307396	hyper	sig	chr14_37622575
chr6	31667113	31667113	+	2.782E-14	3.3384E-13	0.211341	hyper	sig	chr6_31667113
chr1	75135452	75135452	+	2.783E-14	3.3392E-13	0.217726	hyper	sig	chr1_75135452
chr6	470696	470696	+	2.784E-14	3.3408E-13	-0.20085	hypo	sig	chr6_470696
chr6	1.67E+08	167147262	+	2.785E-14	3.3415E-13	0.229667	hyper	sig	chr6_167147262
chr5	1.35E+08	135489580	+	2.785E-14	3.3418E-13	0.297798	hyper	sig	chr5_135489580
chr14	73784551	73784551	+	2.787E-14	3.344E-13	0.225714	hyper	sig	chr14_73784551
chr22	50578590	50578590	+	2.792E-14	3.35E-13	0.237075	hyper	sig	chr22_50578590
chr19	45595526	45595526	+	2.793E-14	3.3513E-13	-0.31251	hypo	sig	chr19_45595526
chr5	1555769	1555769	+	2.793E-14	3.3513E-13	-0.24501	hypo	sig	chr5_1555769
chr8	1.43E+08	143427560	+	2.794E-14	3.3518E-13	0.243111	hyper	sig	chr8_143427560
chr13	1.12E+08	111944253	+	2.796E-14	3.3538E-13	-0.28299	hypo	sig	chr13_111944253
chr11	361221	361221	+	2.796E-14	3.3542E-13	-0.21925	hypo	sig	chr11_361221
chr20	60968822	60968822	+	2.796E-14	3.3547E-13	-0.21768	hypo	sig	chr20_60968822
chr8	26044341	26044341	+	2.797E-14	3.3554E-13	0.216495	hyper	sig	chr8_26044341
chr5	1.5E+08	150186334	+	2.799E-14	3.3576E-13	-0.25302	hypo	sig	chr5_150186334
chr3	22989817	22989817	+	2.802E-14	3.3611E-13	-0.2662	hypo	sig	chr3_22989817
chr12	33438401	33438401	+	2.802E-14	3.3615E-13	0.259337	hyper	sig	chr12_33438401
chr17	34634928	34634928	+	2.803E-14	3.3625E-13	-0.30536	hypo	sig	chr17_34634928
chr8	1.44E+08	143843156	+	2.805E-14	3.3649E-13	-0.20494	hypo	sig	chr8_143843156
chr5	88889234	88889234	+	2.806E-14	3.3663E-13	0.244233	hyper	sig	chr5_88889234
chr5	1.27E+08	127076800	+	2.807E-14	3.3674E-13	-0.24627	hypo	sig	chr5_127076800
chr1	2267494	2267494	+	2.809E-14	3.3687E-13	0.271983	hyper	sig	chr1_2267494
chr12	1.32E+08	132310006	+	2.81E-14	3.3698E-13	-0.28923	hypo	sig	chr12_132310006
chr6	1.1E+08	109978706	+	2.812E-14	3.3724E-13	0.217263	hyper	sig	chr6_109978706
chr10	2894311	2894311	+	2.815E-14	3.3765E-13	-0.33366	hypo	sig	chr10_2894311
chr13	52847574	52847574	+	2.82E-14	3.3813E-13	0.289236	hyper	sig	chr13_52847574
chr7	1.51E+08	151014002	+	2.82E-14	3.3816E-13	0.286028	hyper	sig	chr7_151014002
chr4	1.11E+08	110629237	+	2.821E-14	3.3826E-13	0.279677	hyper	sig	chr4_110629237
chr5	1.41E+08	141392907	+	2.821E-14	3.3831E-13	0.253228	hyper	sig	chr5_141392907
chr2	66445567	66445567	+	2.821E-14	3.3832E-13	0.221881	hyper	sig	chr2_66445567
chr2	1.32E+08	131647027	+	2.824E-14	3.3862E-13	0.261881	hyper	sig	chr2_131647027
chr22	44934506	44934506	+	2.825E-14	3.3879E-13	-0.28556	hypo	sig	chr22_44934506

chr2	1.2E+08	120439805	+	2.827E-14	3.3904E-13	-0.24294	hypo	sig	chr2_120439805
chr1	1.68E+08	168089354	+	2.828E-14	3.3915E-13	-0.21217	hypo	sig	chr1_168089354
chr1	2.14E+08	214303806	+	2.829E-14	3.3922E-13	0.354622	hyper	sig	chr1_214303806
chr12	53960378	53960378	+	2.83E-14	3.3934E-13	0.225366	hyper	sig	chr12_53960378
chr3	45035851	45035851	+	2.831E-14	3.3947E-13	0.234947	hyper	sig	chr3_45035851
chr2	86789070	86789070	+	2.832E-14	3.395E-13	0.250513	hyper	sig	chr2_86789070
chr12	1.07E+08	106586084	+	2.833E-14	3.3971E-13	0.220464	hyper	sig	chr12_106586084
chr16	8869883	8869883	+	2.835E-14	3.3984E-13	-0.22171	hypo	sig	chr16_8869883
chr1	54781395	54781395	+	2.835E-14	3.3986E-13	0.322656	hyper	sig	chr1_54781395
chr11	31804196	31804196	+	2.837E-14	3.401E-13	0.239082	hyper	sig	chr11_31804196
chr8	56113960	56113960	+	2.837E-14	3.4016E-13	0.313178	hyper	sig	chr8_56113960
chr13	1.02E+08	102395002	+	2.839E-14	3.4034E-13	0.251102	hyper	sig	chr13_102395002
chr1	3651319	3651319	+	2.839E-14	3.4037E-13	0.241268	hyper	sig	chr1_3651319
chr2	2.19E+08	219497120	+	2.841E-14	3.4062E-13	0.280462	hyper	sig	chr2_219497120
chr4	41867441	41867441	+	2.842E-14	3.4072E-13	0.202857	hyper	sig	chr4_41867441
chr11	45900581	45900581	+	2.843E-14	3.4082E-13	0.295388	hyper	sig	chr11_45900581
chr17	79549846	79549846	+	2.843E-14	3.4085E-13	-0.25392	hypo	sig	chr17_79549846
chr2	1.49E+08	148882115	+	2.846E-14	3.4118E-13	-0.28362	hypo	sig	chr2_148882115
chr6	1.66E+08	166474371	+	2.848E-14	3.4134E-13	-0.22317	hypo	sig	chr6_166474371
chr7	781741	781741	+	2.848E-14	3.4136E-13	0.211648	hyper	sig	chr7_781741
chr19	18791918	18791918	+	2.849E-14	3.4149E-13	-0.20792	hypo	sig	chr19_18791918
chr12	52452125	52452125	+	2.849E-14	3.4154E-13	-0.26014	hypo	sig	chr12_52452125
chr2	20107025	20107025	+	2.85E-14	3.4156E-13	0.244771	hyper	sig	chr2_20107025
chr17	36761833	36761833	+	2.85E-14	3.4158E-13	0.227532	hyper	sig	chr17_36761833
chr5	45696316	45696316	+	2.85E-14	3.4163E-13	0.246059	hyper	sig	chr5_45696316
chr16	2967600	2967600	+	2.851E-14	3.4166E-13	0.288153	hyper	sig	chr16_2967600
chr16	84313300	84313300	+	2.851E-14	3.4166E-13	-0.27446	hypo	sig	chr16_84313300
chr3	1.47E+08	147397314	+	2.851E-14	3.4169E-13	0.262625	hyper	sig	chr3_147397314
chr5	1.79E+08	178983054	+	2.851E-14	3.4173E-13	-0.20598	hypo	sig	chr5_178983054
chr12	1.11E+08	111308242	+	2.853E-14	3.4188E-13	-0.32777	hypo	sig	chr12_111308242
chr19	5507404	5507404	+	2.858E-14	3.425E-13	-0.23612	hypo	sig	chr19_5507404
chr1	1.19E+08	119008297	+	2.859E-14	3.4258E-13	0.308859	hyper	sig	chr1_119008297
chr3	42653311	42653311	+	2.86E-14	3.4273E-13	0.217794	hyper	sig	chr3_42653311
chr2	63048467	63048467	+	2.861E-14	3.4289E-13	0.284891	hyper	sig	chr2_63048467
chr5	1.41E+08	141350902	+	2.862E-14	3.4291E-13	0.276834	hyper	sig	chr5_141350902
chr20	63481757	63481757	+	2.863E-14	3.4311E-13	-0.29848	hypo	sig	chr20_63481757
chr10	1.01E+08	101047176	+	2.864E-14	3.4318E-13	0.238854	hyper	sig	chr10_101047176
chr3	42651436	42651436	+	2.865E-14	3.4326E-13	0.234868	hyper	sig	chr3_42651436
chr20	1302724	1302724	+	2.87E-14	3.4385E-13	-0.2044	hypo	sig	chr20_1302724
chr6	12749749	12749749	+	2.872E-14	3.4409E-13	0.293886	hyper	sig	chr6_12749749
chr1	3248017	3248017	+	2.873E-14	3.4428E-13	0.281082	hyper	sig	chr1_3248017
chr1	1.19E+08	119000390	+	2.873E-14	3.4428E-13	0.272211	hyper	sig	chr1_119000390
chr17	28247312	28247312	+	2.875E-14	3.445E-13	-0.23188	hypo	sig	chr17_28247312
chr7	3095022	3095022	+	2.876E-14	3.4457E-13	-0.21167	hypo	sig	chr7_3095022
chr7	72970613	72970613	+	2.879E-14	3.4496E-13	-0.22103	hypo	sig	chr7_72970613
chr12	59085184	59085184	+	2.879E-14	3.4496E-13	0.327397	hyper	sig	chr12_59085184
chr11	64972244	64972244	+	2.882E-14	3.4527E-13	0.257368	hyper	sig	chr11_64972244
chr8	1837768	1837768	+	2.884E-14	3.4552E-13	-0.26062	hypo	sig	chr8_1837768
chr6	5994330	5994330	+	2.885E-14	3.4563E-13	0.255743	hyper	sig	chr6_5994330
chr19	3369875	3369875	+	2.886E-14	3.4577E-13	0.358875	hyper	sig	chr19_3369875
chr8	378586	378586	+	2.886E-14	3.4577E-13	-0.25953	hypo	sig	chr8_378586
chr15	93900798	93900798	+	2.887E-14	3.4578E-13	-0.27677	hypo	sig	chr15_93900798
chr17	36728752	36728752	+	2.889E-14	3.461E-13	0.22833	hyper	sig	chr17_36728752
chr2	2.41E+08	240672611	+	2.89E-14	3.4613E-13	0.267561	hyper	sig	chr2_240672611
chr18	14999795	14999795	+	2.89E-14	3.4621E-13	0.28947	hyper	sig	chr18_14999795
chr19	7676959	7676959	+	2.893E-14	3.4648E-13	-0.21009	hypo	sig	chr19_7676959

chr12	52258801	52258801	+	2.893E-14	3.4652E-13	0.286684	hyper	sig	chr12_52258801
chr19	18220250	18220250	+	2.895E-14	3.4674E-13	-0.20252	hypo	sig	chr19_18220250
chr12	1.27E+08	126727920	+	2.898E-14	3.4707E-13	0.245752	hyper	sig	chr12_126727920
chr7	1.5E+08	149765785	+	2.899E-14	3.4719E-13	0.29589	hyper	sig	chr7_149765785
chr13	78596837	78596837	+	2.899E-14	3.4722E-13	0.239761	hyper	sig	chr13_78596837
chr16	89972183	89972183	+	2.899E-14	3.4724E-13	0.272624	hyper	sig	chr16_89972183
chr3	36763935	36763935	+	2.9E-14	3.4729E-13	0.280933	hyper	sig	chr3_36763935
chr17	82302412	82302412	+	2.9E-14	3.473E-13	-0.27853	hypo	sig	chr17_82302412
chr16	88416280	88416280	+	2.903E-14	3.4765E-13	-0.2332	hypo	sig	chr16_88416280
chr13	1.14E+08	114090176	+	2.903E-14	3.4769E-13	-0.29521	hypo	sig	chr13_114090176
chr20	62220782	62220782	+	2.904E-14	3.4775E-13	0.221568	hyper	sig	chr20_62220782
chr19	15250176	15250176	+	2.905E-14	3.4791E-13	0.313302	hyper	sig	chr19_15250176
chr10	697974	697974	+	2.907E-14	3.4806E-13	-0.24083	hypo	sig	chr10_697974
chr19	515186	515186	+	2.91E-14	3.4847E-13	-0.22549	hypo	sig	chr19_515186
chr6	57853818	57853818	+	2.91E-14	3.4849E-13	0.212746	hyper	sig	chr6_57853818
chr12	1.1E+08	109589019	+	2.91E-14	3.485E-13	-0.29893	hypo	sig	chr12_109589019
chr8	11059185	11059185	+	2.914E-14	3.4891E-13	0.205518	hyper	sig	chr8_11059185
chr11	2826180	2826180	+	2.914E-14	3.4892E-13	0.255456	hyper	sig	chr11_2826180
chr12	84155413	84155413	+	2.918E-14	3.494E-13	-0.26472	hypo	sig	chr12_84155413
chr16	4679931	4679931	+	2.919E-14	3.4943E-13	-0.25311	hypo	sig	chr16_4679931
chr7	1.05E+08	104989399	+	2.92E-14	3.4955E-13	-0.20759	hypo	sig	chr7_104989399
chr8	1.41E+08	141277127	+	2.921E-14	3.4972E-13	-0.23935	hypo	sig	chr8_141277127
chr10	92045285	92045285	+	2.927E-14	3.5045E-13	0.236427	hyper	sig	chr10_92045285
chr1	25618280	25618280	+	2.929E-14	3.5065E-13	0.20581	hyper	sig	chr1_25618280
chr4	785195	785195	+	2.929E-14	3.5068E-13	0.249959	hyper	sig	chr4_785195
chr11	1.19E+08	119423153	+	2.93E-14	3.5075E-13	0.200806	hyper	sig	chr11_119423153
chr12	1.3E+08	130432447	+	2.93E-14	3.5076E-13	-0.27578	hypo	sig	chr12_130432447
chr5	38846349	38846349	+	2.931E-14	3.5085E-13	0.247848	hyper	sig	chr5_38846349
chr14	24171868	24171868	+	2.933E-14	3.5114E-13	0.239229	hyper	sig	chr14_24171868
chr4	55793653	55793653	+	2.933E-14	3.5114E-13	0.232373	hyper	sig	chr4_55793653
chr8	90791442	90791442	+	2.934E-14	3.5123E-13	0.308248	hyper	sig	chr8_90791442
chr6	9398145	9398145	+	2.935E-14	3.5131E-13	-0.22964	hypo	sig	chr6_9398145
chr1	1.81E+08	181318667	+	2.935E-14	3.5134E-13	0.269283	hyper	sig	chr1_181318667
chr2	23939386	23939386	+	2.936E-14	3.5141E-13	0.25668	hyper	sig	chr2_23939386
chr21	36696293	36696293	+	2.936E-14	3.5141E-13	0.368304	hyper	sig	chr21_36696293
chr7	1.5E+08	149765754	+	2.936E-14	3.5141E-13	0.277433	hyper	sig	chr7_149765754
chr12	1.32E+08	132433281	+	2.937E-14	3.5157E-13	0.217479	hyper	sig	chr12_132433281
chr1	2273860	2273860	+	2.938E-14	3.5167E-13	0.306894	hyper	sig	chr1_2273860
chr22	32204735	32204735	+	2.94E-14	3.5191E-13	-0.24258	hypo	sig	chr22_32204735
chr14	56811043	56811043	+	2.944E-14	3.5233E-13	0.248183	hyper	sig	chr14_56811043
chr2	66445691	66445691	+	2.945E-14	3.5242E-13	0.245866	hyper	sig	chr2_66445691
chr5	3602046	3602046	+	2.946E-14	3.5254E-13	0.399504	hyper	sig	chr5_3602046
chr12	1.22E+08	122060254	+	2.946E-14	3.5256E-13	0.305641	hyper	sig	chr12_122060254
chr11	15114918	15114918	+	2.947E-14	3.5263E-13	0.254364	hyper	sig	chr11_15114918
chr2	1.07E+08	106584464	+	2.947E-14	3.5267E-13	0.247322	hyper	sig	chr2_106584464
chr6	32096741	32096741	+	2.949E-14	3.5283E-13	0.205149	hyper	sig	chr6_32096741
chr10	370413	370413	+	2.951E-14	3.5308E-13	0.331047	hyper	sig	chr10_370413
chr5	1.51E+08	150946507	+	2.952E-14	3.5324E-13	0.22191	hyper	sig	chr5_150946507
chr6	1.06E+08	105986350	+	2.953E-14	3.5336E-13	0.242018	hyper	sig	chr6_105986350
chr14	95873420	95873420	+	2.955E-14	3.5359E-13	-0.2936	hypo	sig	chr14_95873420
chr11	20163590	20163590	+	2.955E-14	3.5359E-13	0.29015	hyper	sig	chr11_20163590
chr13	77918794	77918794	+	2.957E-14	3.5384E-13	0.264219	hyper	sig	chr13_77918794
chr16	89103287	89103287	+	2.959E-14	3.5402E-13	-0.29546	hypo	sig	chr16_89103287
chr9	97857711	97857711	+	2.959E-14	3.5404E-13	0.24373	hyper	sig	chr9_97857711
chr16	88922782	88922782	+	2.96E-14	3.5414E-13	-0.23053	hypo	sig	chr16_88922782
chr14	1.05E+08	104773029	+	2.96E-14	3.5414E-13	0.231198	hyper	sig	chr14_104773029

chr19	41026086	41026086	+	2.962E-14	3.5434E-13	0.222013	hyper	sig	chr19_41026086
chr9	77019170	77019170	+	2.963E-14	3.5443E-13	0.234868	hyper	sig	chr9_77019170
chr1	1.55E+08	154932328	+	2.964E-14	3.5454E-13	-0.24286	hypo	sig	chr1_154932328
chr11	30586345	30586345	+	2.964E-14	3.5454E-13	0.206283	hyper	sig	chr11_30586345
chr2	98936990	98936990	+	2.964E-14	3.5462E-13	0.202646	hyper	sig	chr2_98936990
chr7	56882509	56882509	+	2.965E-14	3.5467E-13	0.242502	hyper	sig	chr7_56882509
chr1	50047982	50047982	+	2.965E-14	3.5471E-13	0.233902	hyper	sig	chr1_50047982
chr3	1.47E+08	147394309	+	2.966E-14	3.5476E-13	0.231363	hyper	sig	chr3_147394309
chr16	31477528	31477528	+	2.966E-14	3.5486E-13	-0.24929	hypo	sig	chr16_31477528
chr5	42994049	42994049	+	2.967E-14	3.5492E-13	0.220839	hyper	sig	chr5_42994049
chr7	29987851	29987851	+	2.967E-14	3.5495E-13	-0.22893	hypo	sig	chr7_29987851
chr6	30952309	30952309	+	2.969E-14	3.5514E-13	-0.22224	hypo	sig	chr6_30952309
chr7	42794923	42794923	+	2.969E-14	3.5516E-13	-0.20665	hypo	sig	chr7_42794923
chr21	43924584	43924584	+	2.969E-14	3.5519E-13	-0.28153	hypo	sig	chr21_43924584
chr20	63533718	63533718	+	2.97E-14	3.5524E-13	0.325178	hyper	sig	chr20_63533718
chr17	78954797	78954797	+	2.971E-14	3.5535E-13	-0.25994	hypo	sig	chr17_78954797
chr19	33623157	33623157	+	2.973E-14	3.556E-13	0.231926	hyper	sig	chr19_33623157
chr13	48533995	48533995	+	2.974E-14	3.5576E-13	0.218552	hyper	sig	chr13_48533995
chr16	85353975	85353975	+	2.975E-14	3.5588E-13	-0.26264	hypo	sig	chr16_85353975
chr14	85532243	85532243	+	2.976E-14	3.5589E-13	0.206519	hyper	sig	chr14_85532243
chr2	2.18E+08	218386998	+	2.976E-14	3.5589E-13	-0.36899	hypo	sig	chr2_218386998
chr14	1.06E+08	105577764	+	2.977E-14	3.5603E-13	-0.29596	hypo	sig	chr14_105577764
chr5	1.79E+08	179209917	+	2.977E-14	3.5603E-13	-0.24535	hypo	sig	chr5_179209917
chr16	783250	783250	+	2.978E-14	3.5611E-13	-0.20352	hypo	sig	chr16_783250
chr9	1.31E+08	131027686	+	2.978E-14	3.5619E-13	-0.29484	hypo	sig	chr9_131027686
chr11	1.25E+08	124865179	+	2.979E-14	3.5622E-13	0.217538	hyper	sig	chr11_124865179
chr19	1523055	1523055	+	2.979E-14	3.5631E-13	-0.29256	hypo	sig	chr19_1523055
chr2	2.19E+08	218984472	+	2.981E-14	3.5648E-13	0.24527	hyper	sig	chr2_218984472
chr11	1.19E+08	119376330	+	2.983E-14	3.5677E-13	0.210988	hyper	sig	chr11_119376330
chr3	1.47E+08	147397161	+	2.984E-14	3.568E-13	0.261024	hyper	sig	chr3_147397161
chr5	1.77E+08	176628854	+	2.984E-14	3.5686E-13	-0.22903	hypo	sig	chr5_176628854
chr5	55832669	55832669	+	2.987E-14	3.5713E-13	-0.25262	hypo	sig	chr5_55832669
chr1	1.9E+08	190478156	+	2.988E-14	3.5734E-13	0.288499	hyper	sig	chr1_190478156
chr12	4032054	4032054	+	2.988E-14	3.5734E-13	-0.21439	hypo	sig	chr12_4032054
chr6	7110540	7110540	+	2.989E-14	3.5736E-13	-0.21895	hypo	sig	chr6_7110540
chr19	51716231	51716231	+	2.989E-14	3.574E-13	-0.23854	hypo	sig	chr19_51716231
chr11	27720654	27720654	+	2.99E-14	3.5746E-13	0.212178	hyper	sig	chr11_27720654
chr20	58229002	58229002	+	2.994E-14	3.5797E-13	0.216926	hyper	sig	chr20_58229002
chr4	42152966	42152966	+	2.994E-14	3.58E-13	0.268755	hyper	sig	chr4_42152966
chr17	4656795	4656795	+	2.995E-14	3.5807E-13	0.244044	hyper	sig	chr17_4656795
chr8	1.42E+08	142153912	+	2.998E-14	3.5844E-13	-0.2086	hypo	sig	chr8_142153912
chr12	1.01E+08	101209675	+	3E-14	3.587E-13	0.221093	hyper	sig	chr12_101209675
chr3	1.2E+08	120451594	+	3.002E-14	3.5891E-13	0.227871	hyper	sig	chr3_120451594
chr4	41880154	41880154	+	3.004E-14	3.5916E-13	0.409403	hyper	sig	chr4_41880154
chr3	15328163	15328163	+	3.005E-14	3.5923E-13	-0.27016	hypo	sig	chr3_15328163
chr4	1339176	1339176	+	3.005E-14	3.5923E-13	-0.22441	hypo	sig	chr4_1339176
chr2	96762163	96762163	+	3.007E-14	3.594E-13	-0.21405	hypo	sig	chr2_96762163
chr4	1.47E+08	146637325	+	3.007E-14	3.5945E-13	0.296038	hyper	sig	chr4_146637325
chr2	1.27E+08	126656777	+	3.007E-14	3.5945E-13	0.244274	hyper	sig	chr2_126656777
chr16	66579333	66579333	+	3.01E-14	3.5976E-13	0.249039	hyper	sig	chr16_66579333
chr17	75105893	75105893	+	3.011E-14	3.5986E-13	-0.26099	hypo	sig	chr17_75105893
chr1	3140199	3140199	+	3.011E-14	3.5993E-13	0.255074	hyper	sig	chr1_3140199
chr5	2739088	2739088	+	3.011E-14	3.5996E-13	0.24316	hyper	sig	chr5_2739088
chr6	1.7E+08	170280817	+	3.012E-14	3.6005E-13	-0.20777	hypo	sig	chr6_170280817
chr16	31568978	31568978	+	3.013E-14	3.6012E-13	0.25953	hyper	sig	chr16_31568978
chr15	94854341	94854341	+	3.015E-14	3.6035E-13	-0.20572	hypo	sig	chr15_94854341

chr22	45890057	45890057	+	3.018E-14	3.6075E-13	0.28109	hyper	sig	chr22_45890057
chr17	18259869	18259869	+	3.021E-14	3.6105E-13	-0.2085	hypo	sig	chr17_18259869
chr12	53051364	53051364	+	3.022E-14	3.6118E-13	0.24504	hyper	sig	chr12_53051364
chr19	45783425	45783425	+	3.025E-14	3.6147E-13	0.254182	hyper	sig	chr19_45783425
chr18	13868542	13868542	+	3.025E-14	3.6153E-13	0.205949	hyper	sig	chr18_13868542
chr16	89343808	89343808	+	3.028E-14	3.6182E-13	-0.24875	hypo	sig	chr16_89343808
chr12	81077965	81077965	+	3.028E-14	3.6189E-13	0.227104	hyper	sig	chr12_81077965
chr20	24470125	24470125	+	3.028E-14	3.619E-13	0.312213	hyper	sig	chr20_24470125
chr1	2276412	2276412	+	3.031E-14	3.6224E-13	0.20705	hyper	sig	chr1_2276412
chr2	66445572	66445572	+	3.032E-14	3.6227E-13	0.213481	hyper	sig	chr2_66445572
chr12	1.11E+08	111062061	+	3.032E-14	3.6227E-13	-0.27384	hypo	sig	chr12_111062061
chr17	64779595	64779595	+	3.032E-14	3.6233E-13	0.36369	hyper	sig	chr17_64779595
chr5	1.77E+08	177304842	+	3.032E-14	3.6234E-13	-0.21742	hypo	sig	chr5_177304842
chr13	77918787	77918787	+	3.033E-14	3.6238E-13	0.273125	hyper	sig	chr13_77918787
chr8	1.08E+08	108082312	+	3.034E-14	3.625E-13	0.244214	hyper	sig	chr8_108082312
chr22	42858169	42858169	+	3.036E-14	3.6271E-13	-0.21643	hypo	sig	chr22_42858169
chr3	1.49E+08	149377786	+	3.039E-14	3.6308E-13	-0.20203	hypo	sig	chr3_149377786
chr18	47248696	47248696	+	3.039E-14	3.6311E-13	0.228555	hyper	sig	chr18_47248696
chr11	1392062	1392062	+	3.04E-14	3.6317E-13	-0.25957	hypo	sig	chr11_1392062
chr17	4901082	4901082	+	3.042E-14	3.6343E-13	0.26575	hyper	sig	chr17_4901082
chr12	1.14E+08	114409604	+	3.043E-14	3.6355E-13	0.227421	hyper	sig	chr12_114409604
chr2	1.82E+08	181683944	+	3.047E-14	3.6402E-13	0.335941	hyper	sig	chr2_181683944
chr12	1.25E+08	124506406	+	3.047E-14	3.6406E-13	0.235069	hyper	sig	chr12_124506406
chr10	7211454	7211454	+	3.048E-14	3.6409E-13	-0.2155	hypo	sig	chr10_7211454
chr6	1.59E+08	158646652	+	3.048E-14	3.6418E-13	-0.23971	hypo	sig	chr6_158646652
chr5	3103617	3103617	+	3.049E-14	3.6425E-13	0.244974	hyper	sig	chr5_3103617
chr19	38233689	38233689	+	3.049E-14	3.6428E-13	-0.28902	hypo	sig	chr19_38233689
chr19	1456911	1456911	+	3.049E-14	3.6429E-13	0.299157	hyper	sig	chr19_1456911
chr6	1.69E+08	169389854	+	3.05E-14	3.6434E-13	-0.23072	hypo	sig	chr6_169389854
chr2	89611833	89611833	+	3.051E-14	3.6446E-13	0.289043	hyper	sig	chr2_89611833
chr19	15189405	15189405	+	3.051E-14	3.645E-13	-0.25236	hypo	sig	chr19_15189405
chr15	81134479	81134479	+	3.051E-14	3.6451E-13	0.303997	hyper	sig	chr15_81134479
chr10	1.32E+08	131812364	+	3.053E-14	3.6471E-13	-0.25365	hypo	sig	chr10_131812364
chr14	76352764	76352764	+	3.054E-14	3.6483E-13	0.210926	hyper	sig	chr14_76352764
chr22	46378307	46378307	+	3.054E-14	3.6483E-13	-0.23955	hypo	sig	chr22_46378307
chr6	1.67E+08	167396324	+	3.056E-14	3.6501E-13	-0.22969	hypo	sig	chr6_167396324
chr8	71558754	71558754	+	3.058E-14	3.6527E-13	0.225639	hyper	sig	chr8_71558754
chr2	2.2E+08	219542442	+	3.059E-14	3.6534E-13	-0.2477	hypo	sig	chr2_219542442
chr6	1.64E+08	163635987	+	3.059E-14	3.6535E-13	0.227909	hyper	sig	chr6_163635987
chr14	36521324	36521324	+	3.06E-14	3.6545E-13	0.200639	hyper	sig	chr14_36521324
chr7	1.3E+08	130272961	+	3.065E-14	3.66E-13	0.32082	hyper	sig	chr7_130272961
chr3	37994543	37994543	+	3.067E-14	3.6623E-13	0.254237	hyper	sig	chr3_37994543
chr20	61544637	61544637	+	3.067E-14	3.6625E-13	-0.29309	hypo	sig	chr20_61544637
chr20	63753610	63753610	+	3.068E-14	3.6637E-13	-0.21849	hypo	sig	chr20_63753610
chr1	11648268	11648268	+	3.069E-14	3.6653E-13	0.277089	hyper	sig	chr1_11648268
chr2	1.71E+08	170717391	+	3.071E-14	3.6679E-13	0.291022	hyper	sig	chr2_170717391
chr8	1.04E+08	103500908	+	3.074E-14	3.6709E-13	0.22051	hyper	sig	chr8_103500908
chr4	1.47E+08	147480235	+	3.074E-14	3.671E-13	-0.21378	hypo	sig	chr4_147480235
chr5	1.73E+08	173244703	+	3.075E-14	3.6721E-13	0.340246	hyper	sig	chr5_173244703
chr20	63948410	63948410	+	3.077E-14	3.6741E-13	0.209276	hyper	sig	chr20_63948410
chr2	2.22E+08	222304166	+	3.077E-14	3.6742E-13	0.209216	hyper	sig	chr2_222304166
chr12	1.25E+08	124549370	+	3.078E-14	3.6749E-13	0.219896	hyper	sig	chr12_124549370
chr20	64069399	64069399	+	3.08E-14	3.6775E-13	-0.2738	hypo	sig	chr20_64069399
chr4	1615434	1615434	+	3.081E-14	3.6792E-13	-0.28917	hypo	sig	chr4_1615434
chr9	1.24E+08	124017566	+	3.083E-14	3.6812E-13	0.209123	hyper	sig	chr9_124017566
chr7	23490657	23490657	+	3.083E-14	3.6814E-13	0.247323	hyper	sig	chr7_23490657

chr7	1.58E+08	157851608	+	3.084E-14	3.6828E-13	-0.23383	hypo	sig	chr7_157851608
chr17	1098372	1098372	+	3.086E-14	3.6851E-13	-0.32312	hypo	sig	chr17_1098372
chr16	66579289	66579289	+	3.087E-14	3.6859E-13	0.201657	hyper	sig	chr16_66579289
chr16	88204161	88204161	+	3.09E-14	3.6895E-13	-0.20581	hypo	sig	chr16_88204161
chr12	1.2E+08	120361906	+	3.092E-14	3.6912E-13	0.242534	hyper	sig	chr12_120361906
chr13	23945863	23945863	+	3.094E-14	3.6934E-13	0.223996	hyper	sig	chr13_23945863
chr9	1.32E+08	132157814	+	3.103E-14	3.7039E-13	-0.28013	hypo	sig	chr9_132157814
chr22	18029315	18029315	+	3.104E-14	3.7059E-13	-0.21525	hypo	sig	chr22_18029315
chr16	88967462	88967462	+	3.107E-14	3.7085E-13	-0.2784	hypo	sig	chr16_88967462
chr15	93089660	93089660	+	3.107E-14	3.7093E-13	0.216266	hyper	sig	chr15_93089660
chr7	1.2E+08	120272820	+	3.11E-14	3.7127E-13	0.211215	hyper	sig	chr7_120272820
chr1	69569772	69569772	+	3.111E-14	3.7138E-13	0.242702	hyper	sig	chr1_69569772
chr1	44220427	44220427	+	3.113E-14	3.716E-13	0.300843	hyper	sig	chr1_44220427
chr20	63682337	63682337	+	3.113E-14	3.716E-13	0.260462	hyper	sig	chr20_63682337
chr4	41882529	41882529	+	3.113E-14	3.716E-13	0.22983	hyper	sig	chr4_41882529
chr5	1.41E+08	141421468	+	3.115E-14	3.7184E-13	0.214304	hyper	sig	chr5_141421468
chr17	33290548	33290548	+	3.116E-14	3.7187E-13	0.229967	hyper	sig	chr17_33290548
chr8	29347437	29347437	+	3.117E-14	3.7199E-13	-0.2364	hypo	sig	chr8_29347437
chr12	1.07E+08	106585702	+	3.118E-14	3.7215E-13	0.22691	hyper	sig	chr12_106585702
chr19	57583711	57583711	+	3.119E-14	3.7224E-13	0.291429	hyper	sig	chr19_57583711
chr6	37708304	37708304	+	3.125E-14	3.7299E-13	-0.23088	hypo	sig	chr6_37708304
chr1	10530410	10530410	+	3.126E-14	3.7304E-13	0.32354	hyper	sig	chr1_10530410
chr5	1.32E+08	132258059	+	3.13E-14	3.7354E-13	0.310483	hyper	sig	chr5_132258059
chr13	26046474	26046474	+	3.131E-14	3.7369E-13	-0.29262	hypo	sig	chr13_26046474
chr7	63560503	63560503	+	3.132E-14	3.738E-13	-0.22436	hypo	sig	chr7_63560503
chr7	195475	195475	+	3.138E-14	3.7446E-13	0.205912	hyper	sig	chr7_195475
chr21	36695441	36695441	+	3.14E-14	3.7472E-13	0.216535	hyper	sig	chr21_36695441
chr16	86507825	86507825	+	3.141E-14	3.7478E-13	0.311008	hyper	sig	chr16_86507825
chr1	2923319	2923319	+	3.142E-14	3.7489E-13	-0.22699	hypo	sig	chr1_2923319
chr17	68198609	68198609	+	3.143E-14	3.7496E-13	0.226796	hyper	sig	chr17_68198609
chr11	65856004	65856004	+	3.147E-14	3.7544E-13	-0.27093	hypo	sig	chr11_65856004
chr10	77927439	77927439	+	3.147E-14	3.7546E-13	0.208987	hyper	sig	chr10_77927439
chr7	1348971	1348971	+	3.148E-14	3.7552E-13	-0.24331	hypo	sig	chr7_1348971
chr19	56538326	56538326	+	3.148E-14	3.7557E-13	0.253947	hyper	sig	chr19_56538326
chr16	1533819	1533819	+	3.149E-14	3.7569E-13	0.220006	hyper	sig	chr16_1533819
chr3	12886452	12886452	+	3.149E-14	3.7569E-13	-0.33663	hypo	sig	chr3_12886452
chr5	1.79E+08	178590901	+	3.152E-14	3.7604E-13	0.236472	hyper	sig	chr5_178590901
chr7	1.5E+08	150047864	+	3.156E-14	3.7641E-13	0.225956	hyper	sig	chr7_150047864
chr17	29623242	29623242	+	3.157E-14	3.7653E-13	0.34039	hyper	sig	chr17_29623242
chr4	1407596	1407596	+	3.157E-14	3.7657E-13	0.316827	hyper	sig	chr4_1407596
chr9	1.38E+08	137788773	+	3.157E-14	3.7658E-13	-0.31166	hypo	sig	chr9_137788773
chr7	1.58E+08	158168301	+	3.158E-14	3.7665E-13	-0.20207	hypo	sig	chr7_158168301
chr14	44912051	44912051	+	3.16E-14	3.7687E-13	0.281373	hyper	sig	chr14_44912051
chr20	47973759	47973759	+	3.16E-14	3.7695E-13	-0.27619	hypo	sig	chr20_47973759
chr21	40841759	40841759	+	3.162E-14	3.7715E-13	0.21185	hyper	sig	chr21_40841759
chr12	47783277	47783277	+	3.166E-14	3.7757E-13	0.20039	hyper	sig	chr12_47783277
chr20	64058807	64058807	+	3.168E-14	3.7777E-13	-0.3197	hypo	sig	chr20_64058807
chr8	1.45E+08	144714017	+	3.168E-14	3.7777E-13	0.342186	hyper	sig	chr8_144714017
chr16	86432543	86432543	+	3.168E-14	3.7779E-13	0.260563	hyper	sig	chr16_86432543
chr7	1.56E+08	156466496	+	3.169E-14	3.7789E-13	0.279505	hyper	sig	chr7_156466496
chr1	15151784	15151784	+	3.169E-14	3.7793E-13	-0.20485	hypo	sig	chr1_15151784
chr7	920682	920682	+	3.171E-14	3.7819E-13	-0.27972	hypo	sig	chr7_920682
chr1	2.15E+08	215086476	+	3.172E-14	3.7823E-13	-0.29253	hypo	sig	chr1_215086476
chr1	18599981	18599981	+	3.172E-14	3.7828E-13	-0.29439	hypo	sig	chr1_18599981
chr1	3435661	3435661	+	3.174E-14	3.7848E-13	-0.21609	hypo	sig	chr1_3435661
chr19	40224804	40224804	+	3.174E-14	3.785E-13	-0.43539	hypo	sig	chr19_40224804

chr8	98948693	98948693	+	3.175E-14	3.7853E-13	0.208905	hyper	sig	chr8_98948693
chr4	4226449	4226449	+	3.176E-14	3.7875E-13	0.24103	hyper	sig	chr4_4226449
chr5	73299931	73299931	+	3.177E-14	3.7876E-13	0.248488	hyper	sig	chr5_73299931
chr6	28259622	28259622	+	3.177E-14	3.7876E-13	0.284787	hyper	sig	chr6_28259622
chr2	72919928	72919928	+	3.182E-14	3.7943E-13	0.244562	hyper	sig	chr2_72919928
chr16	58511607	58511607	+	3.183E-14	3.7952E-13	-0.27936	hypo	sig	chr16_58511607
chr17	34634918	34634918	+	3.183E-14	3.7953E-13	-0.30215	hypo	sig	chr17_34634918
chr19	8210131	8210131	+	3.185E-14	3.7972E-13	0.377871	hyper	sig	chr19_8210131
chr17	74466053	74466053	+	3.186E-14	3.7982E-13	-0.22093	hypo	sig	chr17_74466053
chr11	1.29E+08	128937199	+	3.187E-14	3.7998E-13	-0.29611	hypo	sig	chr11_128937199
chr16	2083380	2083380	+	3.192E-14	3.8052E-13	0.237336	hyper	sig	chr16_2083380
chr1	2.29E+08	229432613	+	3.194E-14	3.8077E-13	0.287363	hyper	sig	chr1_229432613
chr17	21452918	21452918	+	3.194E-14	3.8082E-13	0.224029	hyper	sig	chr17_21452918
chr16	10182859	10182859	+	3.195E-14	3.8091E-13	0.295867	hyper	sig	chr16_10182859
chr14	73718519	73718519	+	3.197E-14	3.8113E-13	0.342321	hyper	sig	chr14_73718519
chr7	65430041	65430041	+	3.198E-14	3.8119E-13	-0.2026	hypo	sig	chr7_65430041
chr20	64062663	64062663	+	3.198E-14	3.8125E-13	0.271285	hyper	sig	chr20_64062663
chr20	63177412	63177412	+	3.204E-14	3.8187E-13	0.351089	hyper	sig	chr20_63177412
chr22	44180567	44180567	+	3.206E-14	3.8212E-13	-0.32823	hypo	sig	chr22_44180567
chr4	3370149	3370149	+	3.206E-14	3.8219E-13	0.215998	hyper	sig	chr4_3370149
chr6	10410347	10410347	+	3.208E-14	3.8233E-13	0.304691	hyper	sig	chr6_10410347
chr13	1.14E+08	114021301	+	3.208E-14	3.824E-13	-0.24182	hypo	sig	chr13_114021301
chr19	13001621	13001621	+	3.209E-14	3.8246E-13	0.20859	hyper	sig	chr19_13001621
chr14	90253786	90253786	+	3.21E-14	3.8258E-13	-0.22812	hypo	sig	chr14_90253786
chr4	10461974	10461974	+	3.213E-14	3.8292E-13	0.244323	hyper	sig	chr4_10461974
chr20	62774262	62774262	+	3.216E-14	3.8324E-13	-0.26531	hypo	sig	chr20_62774262
chr12	52146955	52146955	+	3.217E-14	3.8337E-13	-0.31264	hypo	sig	chr12_52146955
chr16	1764145	1764145	+	3.218E-14	3.8355E-13	0.232455	hyper	sig	chr16_1764145
chr2	2.36E+08	235508983	+	3.22E-14	3.837E-13	-0.226	hypo	sig	chr2_235508983
chr19	39308349	39308349	+	3.22E-14	3.8376E-13	0.301685	hyper	sig	chr19_39308349
chr11	2313607	2313607	+	3.22E-14	3.8378E-13	-0.27636	hypo	sig	chr11_2313607
chr7	65731647	65731647	+	3.222E-14	3.8391E-13	0.200694	hyper	sig	chr7_65731647
chr17	7855054	7855054	+	3.223E-14	3.8413E-13	0.300687	hyper	sig	chr17_7855054
chr10	1.31E+08	131310982	+	3.226E-14	3.8445E-13	0.217147	hyper	sig	chr10_131310982
chr16	88337903	88337903	+	3.228E-14	3.8461E-13	-0.26397	hypo	sig	chr16_88337903
chr10	97937712	97937712	+	3.228E-14	3.8461E-13	-0.23407	hypo	sig	chr10_97937712
chr16	85985319	85985319	+	3.231E-14	3.8494E-13	-0.21523	hypo	sig	chr16_85985319
chr7	1.55E+08	155373839	+	3.231E-14	3.85E-13	0.254201	hyper	sig	chr7_155373839
chr6	1E+08	100458436	+	3.231E-14	3.8504E-13	0.224652	hyper	sig	chr6_100458436
chr9	1.37E+08	136844540	+	3.232E-14	3.8506E-13	0.22538	hyper	sig	chr9_136844540
chr10	1.32E+08	132135013	+	3.232E-14	3.8514E-13	-0.21592	hypo	sig	chr10_132135013
chr3	1.72E+08	172448109	+	3.233E-14	3.8521E-13	0.310694	hyper	sig	chr3_172448109
chr19	4552626	4552626	+	3.237E-14	3.8566E-13	-0.23256	hypo	sig	chr19_4552626
chr19	12843486	12843486	+	3.237E-14	3.8568E-13	-0.27803	hypo	sig	chr19_12843486
chr21	46661369	46661369	+	3.237E-14	3.8568E-13	0.283364	hyper	sig	chr21_46661369
chr17	41520452	41520452	+	3.238E-14	3.8583E-13	-0.21597	hypo	sig	chr17_41520452
chr5	1.41E+08	141094682	+	3.241E-14	3.8608E-13	0.221102	hyper	sig	chr5_141094682
chr17	49965692	49965692	+	3.241E-14	3.8609E-13	0.313413	hyper	sig	chr17_49965692
chr10	8055316	8055316	+	3.242E-14	3.8626E-13	0.230842	hyper	sig	chr10_8055316
chr1	90723648	90723648	+	3.245E-14	3.8653E-13	0.272447	hyper	sig	chr1_90723648
chr4	20253564	20253564	+	3.245E-14	3.8655E-13	0.263849	hyper	sig	chr4_20253564
chr15	39926860	39926860	+	3.246E-14	3.8665E-13	-0.26121	hypo	sig	chr15_39926860
chr8	1837867	1837867	+	3.246E-14	3.8669E-13	-0.22619	hypo	sig	chr8_1837867
chr6	30127868	30127868	+	3.246E-14	3.8673E-13	0.28204	hyper	sig	chr6_30127868
chr5	6583652	6583652	+	3.248E-14	3.8692E-13	0.237281	hyper	sig	chr5_6583652
chr19	57099359	57099359	+	3.25E-14	3.8711E-13	0.220707	hyper	sig	chr19_57099359

chr6	73299811	73299811	+	3.253E-14	3.8751E-13	0.315431	hyper	sig	chr6_73299811
chr5	1.57E+08	156850542	+	3.255E-14	3.8767E-13	0.226759	hyper	sig	chr5_156850542
chr2	66439552	66439552	+	3.255E-14	3.8769E-13	0.25897	hyper	sig	chr2_66439552
chr17	65538301	65538301	+	3.256E-14	3.8784E-13	-0.28179	hypo	sig	chr17_65538301
chr2	96527429	96527429	+	3.263E-14	3.8868E-13	0.253886	hyper	sig	chr2_96527429
chr21	33025318	33025318	+	3.264E-14	3.8876E-13	0.227742	hyper	sig	chr21_33025318
chr7	76235001	76235001	+	3.267E-14	3.8908E-13	0.21061	hyper	sig	chr7_76235001
chr3	1.2E+08	120450936	+	3.267E-14	3.8914E-13	0.254058	hyper	sig	chr3_120450936
chr17	43917583	43917583	+	3.268E-14	3.8918E-13	0.24235	hyper	sig	chr17_43917583
chr11	20208800	20208800	+	3.27E-14	3.8939E-13	0.223046	hyper	sig	chr11_20208800
chr22	50282114	50282114	+	3.271E-14	3.8956E-13	-0.27589	hypo	sig	chr22_50282114
chr5	1.77E+08	176887363	+	3.273E-14	3.8976E-13	-0.27769	hypo	sig	chr5_176887363
chr2	886354	886354	+	3.273E-14	3.8982E-13	-0.20941	hypo	sig	chr2_886354
chr6	1.68E+08	167797272	+	3.274E-14	3.8989E-13	-0.22785	hypo	sig	chr6_167797272
chr5	1.35E+08	135038725	+	3.277E-14	3.9024E-13	0.236667	hyper	sig	chr5_135038725
chr10	1.33E+08	133114702	+	3.278E-14	3.9029E-13	-0.23768	hypo	sig	chr10_133114702
chr2	1.18E+08	118017851	+	3.278E-14	3.9037E-13	-0.24088	hypo	sig	chr2_118017851
chr8	38651067	38651067	+	3.278E-14	3.9037E-13	0.322026	hyper	sig	chr8_38651067
chr14	97458420	97458420	+	3.279E-14	3.9049E-13	0.288924	hyper	sig	chr14_97458420
chr18	79785180	79785180	+	3.279E-14	3.905E-13	-0.25361	hypo	sig	chr18_79785180
chr13	1.13E+08	112973771	+	3.283E-14	3.9089E-13	-0.21647	hypo	sig	chr13_112973771
chr15	99426603	99426603	+	3.284E-14	3.9103E-13	-0.30331	hypo	sig	chr15_99426603
chr5	1.73E+08	173245779	+	3.284E-14	3.9103E-13	0.203272	hyper	sig	chr5_173245779
chr4	663205	663205	+	3.284E-14	3.9105E-13	0.266234	hyper	sig	chr4_663205
chr6	7051269	7051269	+	3.286E-14	3.9119E-13	-0.22505	hypo	sig	chr6_7051269
chr17	82321071	82321071	+	3.289E-14	3.9157E-13	-0.2712	hypo	sig	chr17_82321071
chr1	1.8E+08	179812779	+	3.292E-14	3.919E-13	-0.3143	hypo	sig	chr1_179812779
chr1	2.28E+08	228149925	+	3.292E-14	3.919E-13	0.275993	hyper	sig	chr1_228149925
chr11	19728711	19728711	+	3.294E-14	3.922E-13	0.227642	hyper	sig	chr11_19728711
chr13	20129276	20129276	+	3.296E-14	3.9235E-13	-0.22713	hypo	sig	chr13_20129276
chr1	2.36E+08	236395167	+	3.297E-14	3.9245E-13	0.22034	hyper	sig	chr1_236395167
chr6	1.08E+08	108114957	+	3.299E-14	3.9276E-13	0.269308	hyper	sig	chr6_108114957
chr7	5417609	5417609	+	3.3E-14	3.9286E-13	0.237032	hyper	sig	chr7_5417609
chr19	840419	840419	+	3.304E-14	3.9335E-13	-0.30787	hypo	sig	chr19_840419
chr17	80823179	80823179	+	3.307E-14	3.9365E-13	-0.27596	hypo	sig	chr17_80823179
chr17	4901543	4901543	+	3.308E-14	3.9372E-13	0.217257	hyper	sig	chr17_4901543
chr2	64612893	64612893	+	3.308E-14	3.9382E-13	-0.24598	hypo	sig	chr2_64612893
chr16	87227781	87227781	+	3.309E-14	3.9394E-13	0.367972	hyper	sig	chr16_87227781
chr16	67163148	67163148	+	3.313E-14	3.9439E-13	0.288917	hyper	sig	chr16_67163148
chr2	1.27E+08	126775615	+	3.313E-14	3.9439E-13	-0.25947	hypo	sig	chr2_126775615
chr19	43624283	43624283	+	3.314E-14	3.9442E-13	-0.31846	hypo	sig	chr19_43624283
chr7	1.28E+08	128032966	+	3.314E-14	3.9442E-13	0.267135	hyper	sig	chr7_128032966
chr6	1.66E+08	166005561	+	3.315E-14	3.9461E-13	0.289334	hyper	sig	chr6_166005561
chr5	169545	169545	+	3.318E-14	3.9493E-13	-0.21051	hypo	sig	chr5_169545
chr1	1.51E+08	151165232	+	3.319E-14	3.9498E-13	0.2495	hyper	sig	chr1_151165232
chr10	1.32E+08	131617302	+	3.319E-14	3.9508E-13	0.248553	hyper	sig	chr10_131617302
chr9	34375055	34375055	+	3.323E-14	3.9547E-13	-0.28253	hypo	sig	chr9_34375055
chr17	47848208	47848208	+	3.324E-14	3.9557E-13	0.282259	hyper	sig	chr17_47848208
chr4	54097007	54097007	+	3.324E-14	3.9565E-13	-0.22696	hypo	sig	chr4_54097007
chr10	1.32E+08	132202758	+	3.325E-14	3.9577E-13	-0.40636	hypo	sig	chr10_132202758
chr16	54936487	54936487	+	3.327E-14	3.9589E-13	0.203861	hyper	sig	chr16_54936487
chr10	92420711	92420711	+	3.328E-14	3.9605E-13	0.308196	hyper	sig	chr10_92420711
chr10	1.01E+08	101146793	+	3.331E-14	3.9635E-13	0.203219	hyper	sig	chr10_101146793
chr18	79650278	79650278	+	3.333E-14	3.9664E-13	-0.309	hypo	sig	chr18_79650278
chr2	1.82E+08	181678123	+	3.334E-14	3.9679E-13	0.272906	hyper	sig	chr2_181678123
chr5	77638550	77638550	+	3.335E-14	3.9681E-13	0.294843	hyper	sig	chr5_77638550

chr13	52847564	52847564	+	3.335E-14	3.9682E-13	0.277217	hyper	sig	chr13_52847564
chr17	8155938	8155938	+	3.337E-14	3.9701E-13	0.236277	hyper	sig	chr17_8155938
chr14	24172233	24172233	+	3.337E-14	3.9703E-13	0.277124	hyper	sig	chr14_24172233
chr12	94872934	94872934	+	3.341E-14	3.9754E-13	0.208007	hyper	sig	chr12_94872934
chr2	1.27E+08	127175908	+	3.344E-14	3.9782E-13	0.275094	hyper	sig	chr2_127175908
chr16	30012409	30012409	+	3.344E-14	3.9786E-13	0.239777	hyper	sig	chr16_30012409
chr16	57803202	57803202	+	3.346E-14	3.9804E-13	0.241117	hyper	sig	chr16_57803202
chr19	23071574	23071574	+	3.347E-14	3.9824E-13	0.267246	hyper	sig	chr19_23071574
chr12	1.32E+08	132271116	+	3.348E-14	3.983E-13	-0.29806	hypo	sig	chr12_132271116
chr1	54781386	54781386	+	3.348E-14	3.9831E-13	0.321098	hyper	sig	chr1_54781386
chr8	1.44E+08	143586586	+	3.349E-14	3.9838E-13	0.209155	hyper	sig	chr8_143586586
chr16	4796183	4796183	+	3.349E-14	3.9839E-13	-0.26578	hypo	sig	chr16_4796183
chr12	4812904	4812904	+	3.349E-14	3.9844E-13	-0.26938	hypo	sig	chr12_4812904
chr19	18007991	18007991	+	3.351E-14	3.9862E-13	0.240167	hyper	sig	chr19_18007991
chr10	1.33E+08	133020668	+	3.352E-14	3.9872E-13	0.271108	hyper	sig	chr10_133020668
chr7	1.55E+08	154797982	+	3.353E-14	3.9879E-13	-0.39351	hypo	sig	chr7_154797982
chr21	33023070	33023070	+	3.354E-14	3.9895E-13	0.268799	hyper	sig	chr21_33023070
chr2	1.19E+08	118842879	+	3.357E-14	3.9926E-13	0.233703	hyper	sig	chr2_118842879
chr17	48571253	48571253	+	3.357E-14	3.9932E-13	0.23079	hyper	sig	chr17_48571253
chr7	63054236	63054236	+	3.358E-14	3.9942E-13	0.269496	hyper	sig	chr7_63054236
chr8	97278144	97278144	+	3.359E-14	3.9956E-13	0.234764	hyper	sig	chr8_97278144
chr17	81050298	81050298	+	3.36E-14	3.9962E-13	-0.31782	hypo	sig	chr17_81050298
chr7	1.57E+08	157078498	+	3.361E-14	3.9975E-13	0.235594	hyper	sig	chr7_157078498
chr1	2.12E+08	211514699	+	3.362E-14	3.9988E-13	-0.21747	hypo	sig	chr1_211514699
chr1	1214942	1214942	+	3.364E-14	4.0012E-13	-0.23935	hypo	sig	chr1_1214942
chr17	9017730	9017730	+	3.367E-14	4.0042E-13	-0.29969	hypo	sig	chr17_9017730
chr2	38074620	38074620	+	3.367E-14	4.0045E-13	0.257784	hyper	sig	chr2_38074620
chr6	77463479	77463479	+	3.37E-14	4.0084E-13	0.216608	hyper	sig	chr6_77463479
chr1	2.17E+08	217138718	+	3.371E-14	4.0085E-13	0.228484	hyper	sig	chr1_217138718
chr5	1.73E+08	173234072	+	3.373E-14	4.0116E-13	0.298665	hyper	sig	chr5_173234072
chr6	35141667	35141667	+	3.375E-14	4.0137E-13	-0.2682	hypo	sig	chr6_35141667
chr5	73436160	73436160	+	3.376E-14	4.0143E-13	0.351279	hyper	sig	chr5_73436160
chr10	1.33E+08	133085443	+	3.376E-14	4.0143E-13	-0.27335	hypo	sig	chr10_133085443
chr6	1624474	1624474	+	3.377E-14	4.016E-13	0.34906	hyper	sig	chr6_1624474
chr4	80266101	80266101	+	3.379E-14	4.0177E-13	0.226248	hyper	sig	chr4_80266101
chr1	1.16E+08	116416319	+	3.38E-14	4.0192E-13	0.298726	hyper	sig	chr1_116416319
chr9	37027321	37027321	+	3.382E-14	4.0214E-13	0.279274	hyper	sig	chr9_37027321
chr12	1.14E+08	114480009	+	3.382E-14	4.0217E-13	0.221731	hyper	sig	chr12_114480009
chr13	1.12E+08	112071757	+	3.382E-14	4.0217E-13	0.226646	hyper	sig	chr13_112071757
chr5	1.59E+08	159104404	+	3.382E-14	4.0218E-13	0.327389	hyper	sig	chr5_159104404
chr17	40191652	40191652	+	3.384E-14	4.0238E-13	0.31531	hyper	sig	chr17_40191652
chr5	1.41E+08	141393477	+	3.386E-14	4.0256E-13	0.227062	hyper	sig	chr5_141393477
chr1	90725027	90725027	+	3.386E-14	4.0258E-13	0.287761	hyper	sig	chr1_90725027
chr14	94774230	94774230	+	3.387E-14	4.0262E-13	0.272512	hyper	sig	chr14_94774230
chr20	20199872	20199872	+	3.388E-14	4.0281E-13	0.272501	hyper	sig	chr20_20199872
chr6	10884164	10884164	+	3.394E-14	4.035E-13	0.35655	hyper	sig	chr6_10884164
chr10	1.2E+08	119541513	+	3.397E-14	4.0386E-13	0.243379	hyper	sig	chr10_119541513
chr2	1.09E+08	109130308	+	3.397E-14	4.0387E-13	0.253697	hyper	sig	chr2_109130308
chr10	1.16E+08	116274308	+	3.398E-14	4.0397E-13	0.206349	hyper	sig	chr10_116274308
chr14	36523631	36523631	+	3.401E-14	4.0423E-13	0.204927	hyper	sig	chr14_36523631
chr14	36510640	36510640	+	3.402E-14	4.0441E-13	0.256785	hyper	sig	chr14_36510640
chr15	25194322	25194322	+	3.403E-14	4.0449E-13	-0.27877	hypo	sig	chr15_25194322
chr11	79438904	79438904	+	3.405E-14	4.0473E-13	0.214973	hyper	sig	chr11_79438904
chr7	56074717	56074717	+	3.405E-14	4.0476E-13	0.291376	hyper	sig	chr7_56074717
chr12	1.15E+08	114687255	+	3.407E-14	4.049E-13	0.251415	hyper	sig	chr12_114687255
chr16	4679936	4679936	+	3.407E-14	4.0491E-13	-0.2439	hypo	sig	chr16_4679936

chr8	30387053	30387053	+	3.408E-14	4.0502E-13	0.313756	hyper	sig	chr8_30387053
chr2	2.19E+08	219434921	+	3.408E-14	4.0508E-13	0.298919	hyper	sig	chr2_219434921
chr11	75524266	75524266	+	3.411E-14	4.0536E-13	-0.25301	hypo	sig	chr11_75524266
chr1	31939606	31939606	+	3.413E-14	4.0558E-13	-0.37352	hypo	sig	chr1_31939606
chr20	56343923	56343923	+	3.413E-14	4.0563E-13	0.250587	hyper	sig	chr20_56343923
chr10	1.32E+08	132329978	+	3.414E-14	4.0578E-13	-0.25481	hypo	sig	chr10_132329978
chr5	1.41E+08	141421466	+	3.415E-14	4.0586E-13	0.211486	hyper	sig	chr5_141421466
chr9	1.37E+08	137139613	+	3.416E-14	4.0592E-13	0.239447	hyper	sig	chr9_137139613
chr10	45444226	45444226	+	3.418E-14	4.0619E-13	-0.25771	hypo	sig	chr10_45444226
chr3	62319442	62319442	+	3.422E-14	4.0661E-13	0.201015	hyper	sig	chr3_62319442
chr2	2.39E+08	239247399	+	3.426E-14	4.0714E-13	-0.24306	hypo	sig	chr2_239247399
chr4	84503150	84503150	+	3.428E-14	4.0731E-13	0.214169	hyper	sig	chr4_84503150
chr7	1.03E+08	103034391	+	3.43E-14	4.0757E-13	-0.20285	hypo	sig	chr7_103034391
chr2	74148342	74148342	+	3.431E-14	4.0765E-13	0.247101	hyper	sig	chr2_74148342
chr20	62667304	62667304	+	3.434E-14	4.0801E-13	-0.2228	hypo	sig	chr20_62667304
chr11	46361448	46361448	+	3.434E-14	4.0802E-13	0.319425	hyper	sig	chr11_46361448
chr2	933064	933064	+	3.435E-14	4.0818E-13	0.206232	hyper	sig	chr2_933064
chr16	86701516	86701516	+	3.436E-14	4.0828E-13	-0.24281	hypo	sig	chr16_86701516
chr4	1192681	1192681	+	3.439E-14	4.0859E-13	0.279762	hyper	sig	chr4_1192681
chr1	2028108	2028108	+	3.441E-14	4.0883E-13	-0.25671	hypo	sig	chr1_2028108
chr4	54101275	54101275	+	3.441E-14	4.0886E-13	0.266015	hyper	sig	chr4_54101275
chr5	1.73E+08	173245370	+	3.442E-14	4.089E-13	0.219099	hyper	sig	chr5_173245370
chr16	1136314	1136314	+	3.443E-14	4.0902E-13	-0.23447	hypo	sig	chr16_1136314
chr10	7412012	7412012	+	3.444E-14	4.091E-13	0.344606	hyper	sig	chr10_7412012
chr1	9654241	9654241	+	3.444E-14	4.0917E-13	-0.24208	hypo	sig	chr1_9654241
chr19	37551516	37551516	+	3.445E-14	4.0924E-13	0.206848	hyper	sig	chr19_37551516
chr1	1.61E+08	161472948	+	3.446E-14	4.0933E-13	-0.23022	hypo	sig	chr1_161472948
chr15	26970865	26970865	+	3.446E-14	4.0941E-13	0.220874	hyper	sig	chr15_26970865
chr12	1.31E+08	130675113	+	3.448E-14	4.0962E-13	-0.22089	hypo	sig	chr12_130675113
chr2	2.42E+08	241891057	+	3.448E-14	4.0963E-13	-0.21957	hypo	sig	chr2_241891057
chr10	99534465	99534465	+	3.45E-14	4.0982E-13	0.280495	hyper	sig	chr10_99534465
chr16	1963174	1963174	+	3.45E-14	4.0985E-13	-0.22266	hypo	sig	chr16_1963174
chr5	1.71E+08	171315349	+	3.451E-14	4.0997E-13	0.242434	hyper	sig	chr5_171315349
chr6	1.69E+08	168574869	+	3.455E-14	4.1035E-13	0.318372	hyper	sig	chr6_168574869
chr17	50835187	50835187	+	3.455E-14	4.1039E-13	0.234141	hyper	sig	chr17_50835187
chr11	1.25E+08	124865209	+	3.456E-14	4.1053E-13	0.238841	hyper	sig	chr11_124865209
chr9	1.31E+08	130663304	+	3.458E-14	4.1071E-13	0.239915	hyper	sig	chr9_130663304
chr16	67649974	67649974	+	3.459E-14	4.1086E-13	0.250975	hyper	sig	chr16_67649974
chr2	3769428	3769428	+	3.461E-14	4.111E-13	-0.24952	hypo	sig	chr2_3769428
chr5	1.73E+08	173244705	+	3.462E-14	4.1117E-13	0.342094	hyper	sig	chr5_173244705
chr21	26967744	26967744	+	3.463E-14	4.113E-13	0.229395	hyper	sig	chr21_26967744
chr7	1.54E+08	153748057	+	3.463E-14	4.113E-13	0.240181	hyper	sig	chr7_153748057
chr6	70282377	70282377	+	3.463E-14	4.1132E-13	0.320818	hyper	sig	chr6_70282377
chr11	64591147	64591147	+	3.466E-14	4.1165E-13	-0.2745	hypo	sig	chr11_64591147
chr7	3957238	3957238	+	3.467E-14	4.1178E-13	-0.20686	hypo	sig	chr7_3957238
chr7	5417625	5417625	+	3.47E-14	4.121E-13	0.252771	hyper	sig	chr7_5417625
chr5	53485071	53485071	+	3.471E-14	4.1219E-13	-0.25484	hypo	sig	chr5_53485071
chr7	97022513	97022513	+	3.472E-14	4.1227E-13	0.366231	hyper	sig	chr7_97022513
chr20	46021723	46021723	+	3.473E-14	4.1247E-13	0.258712	hyper	sig	chr20_46021723
chr3	1.38E+08	137769511	+	3.474E-14	4.1257E-13	0.261005	hyper	sig	chr3_137769511
chr17	49972594	49972594	+	3.475E-14	4.1264E-13	0.228134	hyper	sig	chr17_49972594
chr1	16004221	16004221	+	3.475E-14	4.1266E-13	-0.21039	hypo	sig	chr1_16004221
chr1	1.56E+08	156388329	+	3.477E-14	4.1284E-13	0.207289	hyper	sig	chr1_156388329
chr10	1.32E+08	132274521	+	3.48E-14	4.1323E-13	-0.24041	hypo	sig	chr10_132274521
chr16	84302405	84302405	+	3.482E-14	4.1349E-13	-0.26986	hypo	sig	chr16_84302405
chr11	67307880	67307880	+	3.483E-14	4.1354E-13	0.200636	hyper	sig	chr11_67307880

chr5	535954	535954	+	3.484E-14	4.1364E-13	-0.25417	hypo	sig	chr5_535954
chr19	33291078	33291078	+	3.487E-14	4.1401E-13	-0.30228	hypo	sig	chr19_33291078
chr7	2281871	2281871	+	3.49E-14	4.1438E-13	0.275021	hyper	sig	chr7_2281871
chr5	1.41E+08	141393555	+	3.492E-14	4.1458E-13	0.215548	hyper	sig	chr5_141393555
chr3	1.84E+08	184262364	+	3.494E-14	4.1482E-13	0.289716	hyper	sig	chr3_184262364
chr2	86790232	86790232	+	3.494E-14	4.1484E-13	0.295526	hyper	sig	chr2_86790232
chr20	51023451	51023451	+	3.494E-14	4.1488E-13	0.321252	hyper	sig	chr20_51023451
chr7	1.58E+08	158263860	+	3.497E-14	4.1521E-13	-0.22304	hypo	sig	chr7_158263860
chr1	1.19E+08	118989109	+	3.499E-14	4.1538E-13	0.286421	hyper	sig	chr1_118989109
chr4	40630822	40630822	+	3.499E-14	4.1543E-13	-0.26003	hypo	sig	chr4_40630822
chr17	28711900	28711900	+	3.502E-14	4.157E-13	0.205842	hyper	sig	chr17_28711900
chr6	11179844	11179844	+	3.502E-14	4.1579E-13	-0.21126	hypo	sig	chr6_11179844
chr10	1.01E+08	101227615	+	3.503E-14	4.1585E-13	0.214771	hyper	sig	chr10_101227615
chr9	1.37E+08	136885296	+	3.503E-14	4.1585E-13	-0.21158	hypo	sig	chr9_136885296
chr7	1.57E+08	157005901	+	3.504E-14	4.159E-13	0.349432	hyper	sig	chr7_157005901
chr1	9714605	9714605	+	3.505E-14	4.1611E-13	-0.27027	hypo	sig	chr1_9714605
chr5	42924137	42924137	+	3.506E-14	4.1611E-13	0.247438	hyper	sig	chr5_42924137
chr11	69001423	69001423	+	3.506E-14	4.162E-13	0.298423	hyper	sig	chr11_69001423
chr11	68854801	68854801	+	3.507E-14	4.1622E-13	0.304212	hyper	sig	chr11_68854801
chr8	25001433	25001433	+	3.508E-14	4.1639E-13	0.237061	hyper	sig	chr8_25001433
chr8	30391014	30391014	+	3.508E-14	4.1641E-13	0.262604	hyper	sig	chr8_30391014
chr3	1.94E+08	194376375	+	3.509E-14	4.1645E-13	-0.21462	hypo	sig	chr3_194376375
chr10	1.02E+08	102460820	+	3.512E-14	4.1679E-13	-0.23633	hypo	sig	chr10_102460820
chr9	1.35E+08	135104440	+	3.512E-14	4.1688E-13	-0.27065	hypo	sig	chr9_135104440
chr10	1.31E+08	130663079	+	3.515E-14	4.1718E-13	-0.26624	hypo	sig	chr10_130663079
chr2	1.71E+08	170717297	+	3.517E-14	4.1736E-13	0.291323	hyper	sig	chr2_170717297
chr12	6555422	6555422	+	3.518E-14	4.1752E-13	0.272652	hyper	sig	chr12_6555422
chr22	46526036	46526036	+	3.518E-14	4.1756E-13	-0.27268	hypo	sig	chr22_46526036
chr2	20671235	20671235	+	3.519E-14	4.1765E-13	0.26065	hyper	sig	chr2_20671235
chr11	1.25E+08	124865446	+	3.521E-14	4.1783E-13	0.252083	hyper	sig	chr11_124865446
chr19	50290950	50290950	+	3.522E-14	4.18E-13	0.275338	hyper	sig	chr19_50290950
chr15	66622834	66622834	+	3.527E-14	4.1857E-13	-0.2365	hypo	sig	chr15_66622834
chr5	6580163	6580163	+	3.529E-14	4.188E-13	-0.29316	hypo	sig	chr5_6580163
chr12	53124100	53124100	+	3.532E-14	4.1912E-13	-0.21343	hypo	sig	chr12_53124100
chr10	1.33E+08	133142181	+	3.532E-14	4.1916E-13	-0.2036	hypo	sig	chr10_133142181
chr7	1.59E+08	158997422	+	3.533E-14	4.1917E-13	0.242401	hyper	sig	chr7_158997422
chr2	1.49E+08	149038063	+	3.536E-14	4.1954E-13	-0.26736	hypo	sig	chr2_149038063
chr5	1.13E+08	113075308	+	3.539E-14	4.1986E-13	-0.28704	hypo	sig	chr5_113075308
chr10	75408751	75408751	+	3.539E-14	4.1993E-13	0.310577	hyper	sig	chr10_75408751
chr11	1.3E+08	129743740	+	3.54E-14	4.2003E-13	-0.27317	hypo	sig	chr11_129743740
chr16	87642867	87642867	+	3.54E-14	4.2005E-13	-0.28227	hypo	sig	chr16_87642867
chr9	1.22E+08	122220126	+	3.544E-14	4.2042E-13	0.26198	hyper	sig	chr9_122220126
chr7	2762694	2762694	+	3.546E-14	4.2067E-13	0.340101	hyper	sig	chr7_2762694
chr1	26177132	26177132	+	3.547E-14	4.2083E-13	-0.20623	hypo	sig	chr1_26177132
chr14	1.05E+08	104797185	+	3.548E-14	4.2087E-13	-0.21746	hypo	sig	chr14_104797185
chr3	1.2E+08	120450945	+	3.548E-14	4.2087E-13	0.250725	hyper	sig	chr3_120450945
chr2	38075989	38075989	+	3.549E-14	4.2103E-13	0.219103	hyper	sig	chr2_38075989
chr19	4517578	4517578	+	3.549E-14	4.2108E-13	0.228729	hyper	sig	chr19_4517578
chr11	94401860	94401860	+	3.553E-14	4.2153E-13	0.266003	hyper	sig	chr11_94401860
chr3	1.82E+08	181726343	+	3.554E-14	4.2158E-13	0.38232	hyper	sig	chr3_181726343
chr7	4725214	4725214	+	3.554E-14	4.2159E-13	0.247061	hyper	sig	chr7_4725214
chr10	1.3E+08	129968123	+	3.554E-14	4.2161E-13	0.25522	hyper	sig	chr10_129968123
chr15	66039662	66039662	+	3.556E-14	4.2175E-13	0.293387	hyper	sig	chr15_66039662
chr11	65048235	65048235	+	3.559E-14	4.2211E-13	0.25935	hyper	sig	chr11_65048235
chr18	45775688	45775688	+	3.561E-14	4.2242E-13	0.200074	hyper	sig	chr18_45775688
chr3	13565731	13565731	+	3.563E-14	4.2264E-13	-0.23345	hypo	sig	chr3_13565731

chr6	30164063	30164063	+	3.564E-14	4.2267E-13	-0.20761	hypo	sig	chr6_30164063
chr16	54939219	54939219	+	3.564E-14	4.2271E-13	0.278719	hyper	sig	chr16_54939219
chr10	23203937	23203937	+	3.564E-14	4.2271E-13	0.247173	hyper	sig	chr10_23203937
chr3	42686281	42686281	+	3.566E-14	4.2288E-13	0.366301	hyper	sig	chr3_42686281
chr16	3242953	3242953	+	3.567E-14	4.2299E-13	-0.24273	hypo	sig	chr16_3242953
chr10	1.01E+08	101236553	+	3.569E-14	4.2324E-13	0.202974	hyper	sig	chr10_101236553
chr17	39607886	39607886	+	3.57E-14	4.2341E-13	0.282816	hyper	sig	chr17_39607886
chr11	69648141	69648141	+	3.57E-14	4.2342E-13	-0.26296	hypo	sig	chr11_69648141
chr20	33703005	33703005	+	3.571E-14	4.2347E-13	0.225058	hyper	sig	chr20_33703005
chr22	49783630	49783630	+	3.572E-14	4.2354E-13	0.232336	hyper	sig	chr22_49783630
chr20	36540584	36540584	+	3.576E-14	4.2399E-13	0.266557	hyper	sig	chr20_36540584
chr17	79390356	79390356	+	3.576E-14	4.2402E-13	-0.26669	hypo	sig	chr17_79390356
chr19	58204597	58204597	+	3.576E-14	4.2408E-13	0.272384	hyper	sig	chr19_58204597
chr2	2.13E+08	212537059	+	3.579E-14	4.2439E-13	0.226353	hyper	sig	chr2_212537059
chr9	1.35E+08	134872236	+	3.584E-14	4.249E-13	0.241345	hyper	sig	chr9_134872236
chr7	946018	946018	+	3.587E-14	4.2529E-13	-0.26663	hypo	sig	chr7_946018
chr16	89949549	89949549	+	3.59E-14	4.2559E-13	0.215059	hyper	sig	chr16_89949549
chr20	63171713	63171713	+	3.592E-14	4.2582E-13	-0.34723	hypo	sig	chr20_63171713
chr7	96997476	96997476	+	3.593E-14	4.2596E-13	0.304419	hyper	sig	chr7_96997476
chr11	1037842	1037842	+	3.593E-14	4.2601E-13	-0.22946	hypo	sig	chr11_1037842
chr16	89343788	89343788	+	3.593E-14	4.2601E-13	-0.2532	hypo	sig	chr16_89343788
chr10	1.24E+08	124091749	+	3.597E-14	4.2648E-13	0.263869	hyper	sig	chr10_124091749
chr2	2.36E+08	235508977	+	3.601E-14	4.2689E-13	-0.2217	hypo	sig	chr2_235508977
chr7	1.58E+08	157523691	+	3.602E-14	4.2701E-13	-0.21183	hypo	sig	chr7_157523691
chr1	90719250	90719250	+	3.605E-14	4.2737E-13	0.244571	hyper	sig	chr1_90719250
chr17	302334	302334	+	3.608E-14	4.2768E-13	-0.21496	hypo	sig	chr17_302334
chr20	63178095	63178095	+	3.608E-14	4.2769E-13	0.275516	hyper	sig	chr20_63178095
chr7	1.58E+08	157851581	+	3.608E-14	4.2773E-13	-0.21121	hypo	sig	chr7_157851581
chr3	1.47E+08	147392508	+	3.609E-14	4.2776E-13	0.282908	hyper	sig	chr3_147392508
chr1	1.19E+08	118980282	+	3.609E-14	4.2779E-13	0.309739	hyper	sig	chr1_118980282
chr5	1.41E+08	141201155	+	3.61E-14	4.2789E-13	0.30542	hyper	sig	chr5_141201155
chr17	14206338	14206338	+	3.611E-14	4.2802E-13	-0.25277	hypo	sig	chr17_14206338
chr11	1.23E+08	123431397	+	3.611E-14	4.2806E-13	0.222489	hyper	sig	chr11_123431397
chr19	3399133	3399133	+	3.612E-14	4.2817E-13	0.2827	hyper	sig	chr19_3399133
chr11	64891572	64891572	+	3.616E-14	4.2864E-13	-0.2117	hypo	sig	chr11_64891572
chr17	48541928	48541928	+	3.617E-14	4.2871E-13	0.296064	hyper	sig	chr17_48541928
chr20	44750331	44750331	+	3.621E-14	4.2913E-13	0.250298	hyper	sig	chr20_44750331
chr10	1.31E+08	131396845	+	3.623E-14	4.2943E-13	0.240789	hyper	sig	chr10_131396845
chr4	4855206	4855206	+	3.627E-14	4.2982E-13	0.215077	hyper	sig	chr4_4855206
chr16	54932792	54932792	+	3.628E-14	4.2993E-13	0.382623	hyper	sig	chr16_54932792
chr2	1.27E+08	126772026	+	3.633E-14	4.3052E-13	-0.29663	hypo	sig	chr2_126772026
chr4	1.17E+08	116599627	+	3.641E-14	4.3152E-13	-0.26121	hypo	sig	chr4_116599627
chr5	1.41E+08	141372132	+	3.643E-14	4.3173E-13	0.273941	hyper	sig	chr5_141372132
chr7	2699316	2699316	+	3.644E-14	4.3175E-13	-0.26483	hypo	sig	chr7_2699316
chr2	1.9E+08	189582087	+	3.645E-14	4.3187E-13	-0.25733	hypo	sig	chr2_189582087
chr6	1624724	1624724	+	3.649E-14	4.3238E-13	0.327295	hyper	sig	chr6_1624724
chr11	2925254	2925254	+	3.651E-14	4.3263E-13	-0.27108	hypo	sig	chr11_2925254
chr17	1137840	1137840	+	3.652E-14	4.3267E-13	-0.2619	hypo	sig	chr17_1137840
chr5	3590534	3590534	+	3.652E-14	4.3276E-13	0.270156	hyper	sig	chr5_3590534
chr6	1.68E+08	168079038	+	3.66E-14	4.336E-13	-0.31434	hypo	sig	chr6_168079038
chr22	43891618	43891618	+	3.661E-14	4.3372E-13	0.21942	hyper	sig	chr22_43891618
chr11	68025350	68025350	+	3.663E-14	4.3405E-13	-0.20727	hypo	sig	chr11_68025350
chr15	70448098	70448098	+	3.664E-14	4.3411E-13	-0.22708	hypo	sig	chr15_70448098
chr12	1.32E+08	132261069	+	3.668E-14	4.3461E-13	-0.28887	hypo	sig	chr12_132261069
chr16	81584163	81584163	+	3.67E-14	4.3477E-13	-0.24918	hypo	sig	chr16_81584163
chr10	1.31E+08	131240993	+	3.671E-14	4.3483E-13	-0.28836	hypo	sig	chr10_131240993

chr16	1962894	1962894	+	3.672E-14	4.3496E-13	-0.2211	hypo	sig	chr16_1962894
chr2	2.36E+08	235934376	+	3.672E-14	4.3496E-13	0.231925	hyper	sig	chr2_235934376
chr4	92303765	92303765	+	3.673E-14	4.3509E-13	0.200337	hyper	sig	chr4_92303765
chr2	29920146	29920146	+	3.675E-14	4.3528E-13	0.278718	hyper	sig	chr2_29920146
chr17	29572643	29572643	+	3.675E-14	4.3536E-13	0.307204	hyper	sig	chr17_29572643
chr1	1.19E+08	119008318	+	3.677E-14	4.355E-13	0.298834	hyper	sig	chr1_119008318
chr19	38976664	38976664	+	3.678E-14	4.3564E-13	0.232968	hyper	sig	chr19_38976664
chr16	51153980	51153980	+	3.679E-14	4.3574E-13	0.284276	hyper	sig	chr16_51153980
chr19	53604567	53604567	+	3.686E-14	4.3661E-13	-0.25336	hypo	sig	chr19_53604567
chr16	3174996	3174996	+	3.687E-14	4.3672E-13	0.267787	hyper	sig	chr16_3174996
chr19	1993046	1993046	+	3.689E-14	4.369E-13	-0.27288	hypo	sig	chr19_1993046
chr5	1536479	1536479	+	3.69E-14	4.3708E-13	-0.302	hypo	sig	chr5_1536479
chr3	52290100	52290100	+	3.694E-14	4.3747E-13	-0.24477	hypo	sig	chr3_52290100
chr7	1.3E+08	130491562	+	3.697E-14	4.3789E-13	0.20335	hyper	sig	chr7_130491562
chr7	97017262	97017262	+	3.701E-14	4.3827E-13	0.270864	hyper	sig	chr7_97017262
chr17	28717605	28717605	+	3.701E-14	4.3835E-13	0.234122	hyper	sig	chr17_28717605
chr8	26451299	26451299	+	3.706E-14	4.3885E-13	-0.21512	hypo	sig	chr8_26451299
chr15	50907170	50907170	+	3.706E-14	4.3888E-13	-0.25854	hypo	sig	chr15_50907170
chr11	2386037	2386037	+	3.706E-14	4.389E-13	0.256378	hyper	sig	chr11_2386037
chr6	32166871	32166871	+	3.707E-14	4.39E-13	0.224992	hyper	sig	chr6_32166871
chr19	33622567	33622567	+	3.707E-14	4.3903E-13	0.244307	hyper	sig	chr19_33622567
chr4	1.84E+08	183987865	+	3.708E-14	4.3912E-13	0.202012	hyper	sig	chr4_183987865
chr8	1546908	1546908	+	3.709E-14	4.3918E-13	-0.26315	hypo	sig	chr8_1546908
chr15	96322495	96322495	+	3.709E-14	4.3919E-13	0.213195	hyper	sig	chr15_96322495
chr2	1E+08	100417833	+	3.71E-14	4.3934E-13	0.22191	hyper	sig	chr2_100417833
chr5	1.41E+08	141189538	+	3.711E-14	4.3939E-13	0.246617	hyper	sig	chr5_141189538
chr12	1.23E+08	122868195	+	3.712E-14	4.3951E-13	0.201267	hyper	sig	chr12_122868195
chr1	1.61E+08	161261483	+	3.712E-14	4.3955E-13	-0.24344	hypo	sig	chr1_161261483
chr14	77140486	77140486	+	3.712E-14	4.3955E-13	0.233117	hyper	sig	chr14_77140486
chr17	82875621	82875621	+	3.713E-14	4.3957E-13	-0.22444	hypo	sig	chr17_82875621
chr1	1.56E+08	156077568	+	3.713E-14	4.3961E-13	0.213145	hyper	sig	chr1_156077568
chr8	54466608	54466608	+	3.717E-14	4.4006E-13	0.240839	hyper	sig	chr8_54466608
chr9	1.37E+08	137293535	+	3.721E-14	4.4056E-13	-0.25417	hypo	sig	chr9_137293535
chr16	86568849	86568849	+	3.723E-14	4.4077E-13	0.280064	hyper	sig	chr16_86568849
chr6	32220579	32220579	+	3.727E-14	4.4122E-13	-0.27389	hypo	sig	chr6_32220579
chr12	7715322	7715322	+	3.729E-14	4.4146E-13	-0.27873	hypo	sig	chr12_7715322
chr1	26410900	26410900	+	3.729E-14	4.4151E-13	0.207683	hyper	sig	chr1_26410900
chr21	26967689	26967689	+	3.734E-14	4.4205E-13	0.245891	hyper	sig	chr21_26967689
chr7	1.51E+08	151013301	+	3.736E-14	4.4224E-13	0.266458	hyper	sig	chr7_151013301
chr11	65607500	65607500	+	3.736E-14	4.423E-13	0.226988	hyper	sig	chr11_65607500
chr8	1.42E+08	142454466	+	3.738E-14	4.4249E-13	-0.25814	hypo	sig	chr8_142454466
chr2	1.71E+08	170820078	+	3.739E-14	4.4261E-13	0.267023	hyper	sig	chr2_170820078
chr6	1.06E+08	105981605	+	3.74E-14	4.4269E-13	0.235758	hyper	sig	chr6_105981605
chr11	1.12E+08	111976909	+	3.743E-14	4.4307E-13	0.337378	hyper	sig	chr11_111976909
chr1	65526101	65526101	+	3.745E-14	4.4332E-13	0.252839	hyper	sig	chr1_65526101
chr3	1.07E+08	107429523	+	3.749E-14	4.4369E-13	0.228153	hyper	sig	chr3_107429523
chr11	67573350	67573350	+	3.751E-14	4.4401E-13	-0.29766	hypo	sig	chr11_67573350
chr3	62379482	62379482	+	3.752E-14	4.4407E-13	0.255534	hyper	sig	chr3_62379482
chr16	3180725	3180725	+	3.753E-14	4.442E-13	0.273081	hyper	sig	chr16_3180725
chr7	920663	920663	+	3.754E-14	4.4426E-13	-0.27584	hypo	sig	chr7_920663
chr14	36659936	36659936	+	3.755E-14	4.4443E-13	0.222964	hyper	sig	chr14_36659936
chr22	24607859	24607859	+	3.756E-14	4.4449E-13	-0.29579	hypo	sig	chr22_24607859
chr8	96159104	96159104	+	3.758E-14	4.4471E-13	0.237818	hyper	sig	chr8_96159104
chr7	27157836	27157836	+	3.762E-14	4.4517E-13	-0.24969	hypo	sig	chr7_27157836
chr7	4136806	4136806	+	3.764E-14	4.4547E-13	0.25342	hyper	sig	chr7_4136806
chr4	84501191	84501191	+	3.767E-14	4.4582E-13	0.203395	hyper	sig	chr4_84501191

chr20	59609224	59609224	+	3.768E-14	4.4591E-13	-0.29071	hypo	sig	chr20_59609224
chr7	57404886	57404886	+	3.77E-14	4.4614E-13	0.285974	hyper	sig	chr7_57404886
chr13	1.14E+08	114140511	+	3.771E-14	4.4625E-13	-0.21477	hypo	sig	chr13_114140511
chr16	85982665	85982665	+	3.772E-14	4.463E-13	-0.27565	hypo	sig	chr16_85982665
chr5	1.81E+08	181059604	+	3.773E-14	4.4644E-13	0.212377	hyper	sig	chr5_181059604
chr6	28534039	28534039	+	3.773E-14	4.4645E-13	-0.20558	hypo	sig	chr6_28534039
chr20	17225983	17225983	+	3.773E-14	4.4648E-13	0.244578	hyper	sig	chr20_17225983
chr8	1.42E+08	141723999	+	3.773E-14	4.4648E-13	0.265144	hyper	sig	chr8_141723999
chr2	11618571	11618571	+	3.774E-14	4.4659E-13	-0.22855	hypo	sig	chr2_11618571
chr12	54047454	54047454	+	3.775E-14	4.4659E-13	0.266023	hyper	sig	chr12_54047454
chr6	30127821	30127821	+	3.776E-14	4.4677E-13	0.264372	hyper	sig	chr6_30127821
chr16	1088584	1088584	+	3.778E-14	4.47E-13	-0.23816	hypo	sig	chr16_1088584
chr7	1.17E+08	117322894	+	3.784E-14	4.4769E-13	0.291425	hyper	sig	chr7_117322894
chr17	40779825	40779825	+	3.785E-14	4.4778E-13	0.221176	hyper	sig	chr17_40779825
chr11	1.34E+08	134471508	+	3.785E-14	4.4784E-13	0.260084	hyper	sig	chr11_134471508
chr11	1.26E+08	126162983	+	3.787E-14	4.4799E-13	0.314207	hyper	sig	chr11_126162983
chr3	1.83E+08	183176729	+	3.787E-14	4.4801E-13	-0.24049	hypo	sig	chr3_183176729
chr3	10812581	10812581	+	3.797E-14	4.4922E-13	-0.20404	hypo	sig	chr3_10812581
chr2	2.22E+08	222426333	+	3.799E-14	4.4946E-13	-0.22057	hypo	sig	chr2_222426333
chr22	33006371	33006371	+	3.8E-14	4.4955E-13	-0.27267	hypo	sig	chr22_33006371
chr2	72147120	72147120	+	3.802E-14	4.4979E-13	0.209012	hyper	sig	chr2_72147120
chr6	1E+08	100447199	+	3.804E-14	4.4999E-13	0.229203	hyper	sig	chr6_100447199
chr1	36737837	36737837	+	3.806E-14	4.5022E-13	0.256415	hyper	sig	chr1_36737837
chr15	93071545	93071545	+	3.806E-14	4.5027E-13	0.274118	hyper	sig	chr15_93071545
chr6	79947039	79947039	+	3.808E-14	4.505E-13	0.218637	hyper	sig	chr6_79947039
chr13	49218686	49218686	+	3.814E-14	4.5117E-13	0.240429	hyper	sig	chr13_49218686
chr1	1.19E+08	118985454	+	3.815E-14	4.5128E-13	0.304443	hyper	sig	chr1_118985454
chr17	60141513	60141513	+	3.816E-14	4.5135E-13	0.260898	hyper	sig	chr17_60141513
chr15	25863576	25863576	+	3.816E-14	4.5136E-13	0.207469	hyper	sig	chr15_25863576
chr11	1043981	1043981	+	3.816E-14	4.5139E-13	-0.23219	hypo	sig	chr11_1043981
chr11	1.29E+08	128694303	+	3.818E-14	4.5157E-13	0.35657	hyper	sig	chr11_128694303
chr17	48550043	48550043	+	3.818E-14	4.5159E-13	0.209652	hyper	sig	chr17_48550043
chr3	38133970	38133970	+	3.819E-14	4.5171E-13	-0.2183	hypo	sig	chr3_38133970
chr4	8172457	8172457	+	3.82E-14	4.5182E-13	-0.32575	hypo	sig	chr4_8172457
chr8	70072745	70072745	+	3.821E-14	4.5193E-13	0.274317	hyper	sig	chr8_70072745
chr11	67044800	67044800	+	3.824E-14	4.5224E-13	-0.22649	hypo	sig	chr11_67044800
chr8	1.03E+08	102782694	+	3.825E-14	4.5234E-13	-0.23099	hypo	sig	chr8_102782694
chr8	1496506	1496506	+	3.826E-14	4.5239E-13	-0.29675	hypo	sig	chr8_1496506
chr1	1.45E+08	145168757	+	3.826E-14	4.5241E-13	0.24508	hyper	sig	chr1_145168757
chr9	1.37E+08	137139696	+	3.826E-14	4.5245E-13	0.289969	hyper	sig	chr9_137139696
chr13	1.11E+08	110812718	+	3.828E-14	4.5262E-13	0.411033	hyper	sig	chr13_110812718
chr2	9212911	9212911	+	3.832E-14	4.5311E-13	-0.21965	hypo	sig	chr2_9212911
chr4	5890581	5890581	+	3.833E-14	4.5326E-13	0.29111	hyper	sig	chr4_5890581
chr1	36321544	36321544	+	3.834E-14	4.5332E-13	0.328798	hyper	sig	chr1_36321544
chr1	2E+08	200038490	+	3.836E-14	4.5359E-13	0.221971	hyper	sig	chr1_200038490
chr8	1.41E+08	140609467	+	3.836E-14	4.5359E-13	0.301038	hyper	sig	chr8_140609467
chr10	1.22E+08	122463068	+	3.837E-14	4.5364E-13	0.23604	hyper	sig	chr10_122463068
chr2	1.56E+08	156320873	+	3.839E-14	4.539E-13	0.270673	hyper	sig	chr2_156320873
chr7	30697461	30697461	+	3.84E-14	4.5397E-13	-0.24329	hypo	sig	chr7_30697461
chr12	3752485	3752485	+	3.842E-14	4.5426E-13	-0.28743	hypo	sig	chr12_3752485
chr7	1.58E+08	157675345	+	3.845E-14	4.5463E-13	-0.24801	hypo	sig	chr7_157675345
chr20	63178077	63178077	+	3.847E-14	4.5479E-13	0.278819	hyper	sig	chr20_63178077
chr19	33623159	33623159	+	3.847E-14	4.5483E-13	0.227609	hyper	sig	chr19_33623159
chr4	1.72E+08	171813325	+	3.85E-14	4.5516E-13	0.259479	hyper	sig	chr4_171813325
chr10	89225310	89225310	+	3.85E-14	4.5516E-13	0.220373	hyper	sig	chr10_89225310
chr15	82681090	82681090	+	3.851E-14	4.553E-13	0.286805	hyper	sig	chr15_82681090

chr9	1.37E+08	136688224	+	3.852E-14	4.554E-13	-0.21259	hypo	sig	chr9_136688224
chr6	1.06E+08	105993112	+	3.855E-14	4.5565E-13	0.272516	hyper	sig	chr6_105993112
chr22	20430847	20430847	+	3.855E-14	4.5574E-13	-0.22837	hypo	sig	chr22_20430847
chr2	2.42E+08	241771407	+	3.859E-14	4.5614E-13	0.24635	hyper	sig	chr2_241771407
chr20	63473139	63473139	+	3.859E-14	4.5616E-13	0.239477	hyper	sig	chr20_63473139
chr19	38975217	38975217	+	3.86E-14	4.5626E-13	0.227802	hyper	sig	chr19_38975217
chr17	50571896	50571896	+	3.864E-14	4.567E-13	-0.2105	hypo	sig	chr17_50571896
chr19	38788768	38788768	+	3.868E-14	4.5719E-13	0.200638	hyper	sig	chr19_38788768
chr14	1E+08	100079096	+	3.869E-14	4.5737E-13	-0.21277	hypo	sig	chr14_100079096
chr20	21509232	21509232	+	3.87E-14	4.5745E-13	0.298103	hyper	sig	chr20_21509232
chr10	3399219	3399219	+	3.87E-14	4.5747E-13	-0.27806	hypo	sig	chr10_3399219
chr11	27722743	27722743	+	3.871E-14	4.5748E-13	0.362303	hyper	sig	chr11_27722743
chr2	44932906	44932906	+	3.874E-14	4.5788E-13	0.260556	hyper	sig	chr2_44932906
chr7	1.56E+08	155806398	+	3.874E-14	4.5792E-13	0.28509	hyper	sig	chr7_155806398
chr20	63361080	63361080	+	3.876E-14	4.581E-13	0.393616	hyper	sig	chr20_63361080
chr12	1.15E+08	114687130	+	3.876E-14	4.5812E-13	0.282672	hyper	sig	chr12_114687130
chr7	20776655	20776655	+	3.877E-14	4.5824E-13	0.238542	hyper	sig	chr7_20776655
chr15	52180607	52180607	+	3.878E-14	4.5828E-13	0.257845	hyper	sig	chr15_52180607
chr1	2.34E+08	233615518	+	3.88E-14	4.5854E-13	-0.32857	hypo	sig	chr1_233615518
chr1	16226861	16226861	+	3.881E-14	4.5868E-13	0.202584	hyper	sig	chr1_16226861
chr15	81196819	81196819	+	3.883E-14	4.5882E-13	-0.20001	hypo	sig	chr15_81196819
chr15	25242782	25242782	+	3.883E-14	4.589E-13	-0.24378	hypo	sig	chr15_25242782
chr7	1.17E+08	117323501	+	3.883E-14	4.589E-13	0.209134	hyper	sig	chr7_117323501
chr5	1.81E+08	180620257	+	3.884E-14	4.5897E-13	-0.27941	hypo	sig	chr5_180620257
chr16	982326	982326	+	3.884E-14	4.5898E-13	0.239826	hyper	sig	chr16_982326
chr6	30189262	30189262	+	3.885E-14	4.5909E-13	-0.2236	hypo	sig	chr6_30189262
chr5	1.77E+08	176889679	+	3.886E-14	4.5918E-13	-0.2325	hypo	sig	chr5_176889679
chr19	48728968	48728968	+	3.887E-14	4.5933E-13	0.288971	hyper	sig	chr19_48728968
chr16	67161869	67161869	+	3.889E-14	4.5955E-13	0.219934	hyper	sig	chr16_67161869
chr21	35027260	35027260	+	3.893E-14	4.5996E-13	-0.2267	hypo	sig	chr21_35027260
chr8	1.44E+08	143733053	+	3.894E-14	4.6007E-13	-0.29085	hypo	sig	chr8_143733053
chr11	65418213	65418213	+	3.894E-14	4.601E-13	0.282967	hyper	sig	chr11_65418213
chr8	1.25E+08	125426325	+	3.897E-14	4.6044E-13	-0.23671	hypo	sig	chr8_125426325
chr2	74508748	74508748	+	3.9E-14	4.6075E-13	0.271024	hyper	sig	chr2_74508748
chr10	1.03E+08	102620807	+	3.902E-14	4.6099E-13	0.259616	hyper	sig	chr10_102620807
chr9	33524460	33524460	+	3.903E-14	4.6108E-13	0.221089	hyper	sig	chr9_33524460
chr1	1.19E+08	118985459	+	3.903E-14	4.6114E-13	0.289988	hyper	sig	chr1_118985459
chr2	469811	469811	+	3.904E-14	4.6117E-13	-0.20566	hypo	sig	chr2_469811
chr7	6273427	6273427	+	3.904E-14	4.6121E-13	-0.22807	hypo	sig	chr7_6273427
chr10	68561823	68561823	+	3.906E-14	4.6145E-13	0.264392	hyper	sig	chr10_68561823
chr15	83283818	83283818	+	3.907E-14	4.6157E-13	0.219375	hyper	sig	chr15_83283818
chr1	24742630	24742630	+	3.907E-14	4.6158E-13	-0.23829	hypo	sig	chr1_24742630
chr8	71558162	71558162	+	3.907E-14	4.6158E-13	0.213101	hyper	sig	chr8_71558162
chr15	93074736	93074736	+	3.91E-14	4.6191E-13	-0.23131	hypo	sig	chr15_93074736
chr20	56625882	56625882	+	3.911E-14	4.6198E-13	0.263968	hyper	sig	chr20_56625882
chr12	1.3E+08	130018076	+	3.911E-14	4.6199E-13	0.212482	hyper	sig	chr12_130018076
chr9	1.34E+08	133972284	+	3.912E-14	4.6206E-13	-0.23474	hypo	sig	chr9_133972284
chr15	26970850	26970850	+	3.913E-14	4.6218E-13	0.212333	hyper	sig	chr15_26970850
chr15	98293150	98293150	+	3.915E-14	4.6246E-13	0.219666	hyper	sig	chr15_98293150
chr20	63426130	63426130	+	3.916E-14	4.6251E-13	-0.30315	hypo	sig	chr20_63426130
chr8	64373735	64373735	+	3.919E-14	4.6291E-13	0.25953	hyper	sig	chr8_64373735
chr18	10417271	10417271	+	3.921E-14	4.6315E-13	-0.21444	hypo	sig	chr18_10417271
chr3	1.85E+08	184770023	+	3.923E-14	4.6338E-13	-0.30826	hypo	sig	chr3_184770023
chr12	1.07E+08	106903220	+	3.925E-14	4.6358E-13	0.201806	hyper	sig	chr12_106903220
chr2	11656942	11656942	+	3.926E-14	4.6365E-13	-0.32048	hypo	sig	chr2_11656942
chr2	2.42E+08	242011867	+	3.929E-14	4.6406E-13	-0.24464	hypo	sig	chr2_242011867

chr11	4212272	4212272	+	3.93E-14	4.6417E-13	0.298476	hyper	sig	chr11_4212272
chr10	1.31E+08	131221724	+	3.931E-14	4.6419E-13	-0.28933	hypo	sig	chr10_131221724
chr21	33025957	33025957	+	3.936E-14	4.6477E-13	0.244785	hyper	sig	chr21_33025957
chr10	1.28E+08	128047396	+	3.938E-14	4.6504E-13	-0.21367	hypo	sig	chr10_128047396
chr17	75707220	75707220	+	3.939E-14	4.6517E-13	-0.25927	hypo	sig	chr17_75707220
chr19	7880075	7880075	+	3.94E-14	4.6532E-13	-0.29246	hypo	sig	chr19_7880075
chr5	1.74E+08	173890329	+	3.945E-14	4.6589E-13	0.266885	hyper	sig	chr5_173890329
chr13	1.13E+08	113322102	+	3.946E-14	4.6592E-13	0.216251	hyper	sig	chr13_113322102
chr2	1.18E+08	117859666	+	3.946E-14	4.6592E-13	0.312563	hyper	sig	chr2_117859666
chr2	44944669	44944669	+	3.948E-14	4.6622E-13	0.293761	hyper	sig	chr2_44944669
chr14	1.05E+08	104899131	+	3.949E-14	4.6626E-13	0.250954	hyper	sig	chr14_104899131
chr9	1.36E+08	135982280	+	3.95E-14	4.6633E-13	-0.24588	hypo	sig	chr9_135982280
chr5	1.41E+08	141422940	+	3.951E-14	4.6647E-13	0.277382	hyper	sig	chr5_141422940
chr19	53058128	53058128	+	3.953E-14	4.6668E-13	0.292738	hyper	sig	chr19_53058128
chr2	27079112	27079112	+	3.954E-14	4.6677E-13	0.307046	hyper	sig	chr2_27079112
chr19	30226610	30226610	+	3.957E-14	4.6714E-13	0.20107	hyper	sig	chr19_30226610
chr8	1.4E+08	139622084	+	3.957E-14	4.6721E-13	-0.21445	hypo	sig	chr8_139622084
chr1	1.55E+08	154962671	+	3.959E-14	4.6739E-13	0.241481	hyper	sig	chr1_154962671
chr6	30071431	30071431	+	3.961E-14	4.6766E-13	0.284608	hyper	sig	chr6_30071431
chr11	1.23E+08	122977408	+	3.962E-14	4.6771E-13	0.272191	hyper	sig	chr11_122977408
chr11	1926371	1926371	+	3.963E-14	4.6781E-13	-0.2515	hypo	sig	chr11_1926371
chr7	43112697	43112697	+	3.964E-14	4.6789E-13	0.217721	hyper	sig	chr7_43112697
chr8	6780561	6780561	+	3.965E-14	4.68E-13	-0.2179	hypo	sig	chr8_6780561
chr9	1.37E+08	136844542	+	3.967E-14	4.6823E-13	0.238282	hyper	sig	chr9_136844542
chr2	2.42E+08	241843350	+	3.969E-14	4.6855E-13	-0.25279	hypo	sig	chr2_241843350
chr7	1.01E+08	100707099	+	3.97E-14	4.6868E-13	0.264817	hyper	sig	chr7_100707099
chr14	47675837	47675837	+	3.971E-14	4.6874E-13	0.221388	hyper	sig	chr14_47675837
chr4	1.54E+08	153792186	+	3.972E-14	4.688E-13	0.200726	hyper	sig	chr4_153792186
chr6	73299133	73299133	+	3.976E-14	4.6928E-13	0.207519	hyper	sig	chr6_73299133
chr10	1.3E+08	129960511	+	3.979E-14	4.6964E-13	0.268134	hyper	sig	chr10_129960511
chr18	12253807	12253807	+	3.979E-14	4.6968E-13	0.211666	hyper	sig	chr18_12253807
chr15	22776242	22776242	+	3.98E-14	4.6969E-13	-0.32674	hypo	sig	chr15_22776242
chr10	8037441	8037441	+	3.982E-14	4.6999E-13	0.200374	hyper	sig	chr10_8037441
chr17	7477969	7477969	+	3.982E-14	4.6999E-13	0.289423	hyper	sig	chr17_7477969
chr13	36675289	36675289	+	3.983E-14	4.7012E-13	0.218567	hyper	sig	chr13_36675289
chr10	22345771	22345771	+	3.984E-14	4.7013E-13	0.291842	hyper	sig	chr10_22345771
chr1	1.47E+08	147079961	+	3.985E-14	4.7026E-13	0.296432	hyper	sig	chr1_147079961
chr13	1.14E+08	114015559	+	3.985E-14	4.7033E-13	-0.31384	hypo	sig	chr13_114015559
chr1	1.1E+08	109762969	+	3.987E-14	4.7053E-13	-0.2365	hypo	sig	chr1_109762969
chr4	1.89E+08	188659663	+	3.989E-14	4.7076E-13	-0.26112	hypo	sig	chr4_188659663
chr9	13284860	13284860	+	3.99E-14	4.709E-13	-0.21064	hypo	sig	chr9_13284860
chr19	49422414	49422414	+	3.991E-14	4.7092E-13	0.267475	hyper	sig	chr19_49422414
chr19	56838679	56838679	+	3.991E-14	4.7092E-13	0.214308	hyper	sig	chr19_56838679
chr16	86432530	86432530	+	3.997E-14	4.7168E-13	0.24633	hyper	sig	chr16_86432530
chr19	50728600	50728600	+	3.998E-14	4.718E-13	0.318894	hyper	sig	chr19_50728600
chr19	10514189	10514189	+	3.999E-14	4.7185E-13	0.223306	hyper	sig	chr19_10514189
chr7	45575832	45575832	+	3.999E-14	4.7191E-13	0.233395	hyper	sig	chr7_45575832
chr8	97870998	97870998	+	4.004E-14	4.724E-13	-0.22029	hypo	sig	chr8_97870998
chr8	1.43E+08	143131513	+	4.004E-14	4.724E-13	-0.20538	hypo	sig	chr8_143131513
chr4	4858081	4858081	+	4.004E-14	4.7243E-13	0.244915	hyper	sig	chr4_4858081
chr8	26044353	26044353	+	4.007E-14	4.7276E-13	0.207409	hyper	sig	chr8_26044353
chr13	24328225	24328225	+	4.008E-14	4.7287E-13	0.233538	hyper	sig	chr13_24328225
chr20	1002110	1002110	+	4.009E-14	4.7301E-13	0.250043	hyper	sig	chr20_1002110
chr10	1.33E+08	132520710	+	4.016E-14	4.7384E-13	0.269534	hyper	sig	chr10_132520710
chr5	1.55E+08	154938544	+	4.018E-14	4.7399E-13	-0.21123	hypo	sig	chr5_154938544
chr3	47579469	47579469	+	4.021E-14	4.7438E-13	0.215677	hyper	sig	chr3_47579469

chr7	32318709	32318709	+	4.022E-14	4.7451E-13	0.288921	hyper	sig	chr7_32318709
chr6	82363030	82363030	+	4.022E-14	4.7453E-13	0.386011	hyper	sig	chr6_82363030
chr12	1.14E+08	114447363	+	4.023E-14	4.7457E-13	0.219952	hyper	sig	chr12_114447363
chr2	1.76E+08	176068604	+	4.023E-14	4.7458E-13	0.260142	hyper	sig	chr2_176068604
chr2	1.15E+08	114661954	+	4.024E-14	4.7472E-13	0.337352	hyper	sig	chr2_114661954
chr10	1.34E+08	133528062	+	4.033E-14	4.7574E-13	0.309465	hyper	sig	chr10_133528062
chr11	69819604	69819604	+	4.033E-14	4.7579E-13	0.202765	hyper	sig	chr11_69819604
chr5	1.79E+08	179061059	+	4.034E-14	4.758E-13	0.252299	hyper	sig	chr5_179061059
chr6	1.7E+08	170092500	+	4.035E-14	4.7593E-13	-0.32223	hypo	sig	chr6_170092500
chr3	1.28E+08	128480938	+	4.037E-14	4.7614E-13	0.250988	hyper	sig	chr3_128480938
chr2	2.39E+08	239312892	+	4.039E-14	4.7638E-13	0.226663	hyper	sig	chr2_239312892
chr7	27095534	27095534	+	4.039E-14	4.7645E-13	0.215867	hyper	sig	chr7_27095534
chr1	1.19E+08	118979565	+	4.04E-14	4.7656E-13	0.232376	hyper	sig	chr1_118979565
chr14	1.04E+08	104303956	+	4.041E-14	4.7668E-13	-0.25809	hypo	sig	chr14_104303956
chr5	1.34E+08	133611636	+	4.042E-14	4.7677E-13	0.239959	hyper	sig	chr5_133611636
chr12	53936139	53936139	+	4.043E-14	4.7681E-13	0.345039	hyper	sig	chr12_53936139
chr2	1.15E+08	115162901	+	4.043E-14	4.7682E-13	0.276154	hyper	sig	chr2_115162901
chr1	1.52E+08	152108115	+	4.049E-14	4.7759E-13	0.26108	hyper	sig	chr1_152108115
chr4	1.55E+08	155376921	+	4.05E-14	4.7764E-13	0.214739	hyper	sig	chr4_155376921
chr7	22727765	22727765	+	4.051E-14	4.7774E-13	-0.23306	hypo	sig	chr7_22727765
chr16	88186708	88186708	+	4.051E-14	4.778E-13	0.265614	hyper	sig	chr16_88186708
chr11	2869550	2869550	+	4.053E-14	4.78E-13	0.297449	hyper	sig	chr11_2869550
chr15	73367524	73367524	+	4.054E-14	4.7809E-13	0.211436	hyper	sig	chr15_73367524
chr11	1.25E+08	124868581	+	4.054E-14	4.781E-13	0.246151	hyper	sig	chr11_124868581
chr10	14602189	14602189	+	4.056E-14	4.7828E-13	-0.26896	hypo	sig	chr10_14602189
chr11	65642517	65642517	+	4.056E-14	4.7833E-13	0.218834	hyper	sig	chr11_65642517
chr14	56810104	56810104	+	4.057E-14	4.7836E-13	0.307766	hyper	sig	chr14_56810104
chr9	1.33E+08	132579714	+	4.06E-14	4.7867E-13	0.261713	hyper	sig	chr9_132579714
chr5	58582468	58582468	+	4.06E-14	4.7867E-13	0.205446	hyper	sig	chr5_58582468
chr14	99321091	99321091	+	4.063E-14	4.7906E-13	-0.2336	hypo	sig	chr14_99321091
chr5	1.35E+08	135489257	+	4.064E-14	4.7917E-13	0.208671	hyper	sig	chr5_135489257
chr4	637945	637945	+	4.066E-14	4.7937E-13	0.229393	hyper	sig	chr4_637945
chr10	70405824	70405824	+	4.067E-14	4.7948E-13	0.28676	hyper	sig	chr10_70405824
chr22	22520216	22520216	+	4.068E-14	4.7958E-13	-0.25069	hypo	sig	chr22_22520216
chr17	42783968	42783968	+	4.069E-14	4.7976E-13	0.250409	hyper	sig	chr17_42783968
chr20	24470448	24470448	+	4.07E-14	4.7979E-13	0.204113	hyper	sig	chr20_24470448
chr4	3483518	3483518	+	4.071E-14	4.7991E-13	0.278219	hyper	sig	chr4_3483518
chr6	89894637	89894637	+	4.074E-14	4.8024E-13	-0.22551	hypo	sig	chr6_89894637
chr16	88842123	88842123	+	4.076E-14	4.8045E-13	-0.22877	hypo	sig	chr16_88842123
chr11	1.34E+08	134471531	+	4.076E-14	4.8053E-13	0.263072	hyper	sig	chr11_134471531
chr11	92224871	92224871	+	4.08E-14	4.8101E-13	0.216836	hyper	sig	chr11_92224871
chr16	31224277	31224277	+	4.084E-14	4.8143E-13	0.31675	hyper	sig	chr16_31224277
chr7	41700158	41700158	+	4.084E-14	4.8145E-13	0.203648	hyper	sig	chr7_41700158
chr6	6736891	6736891	+	4.09E-14	4.8207E-13	0.273692	hyper	sig	chr6_6736891
chr6	1.06E+08	105981316	+	4.09E-14	4.8207E-13	0.232878	hyper	sig	chr6_105981316
chr3	1.82E+08	181726697	+	4.09E-14	4.821E-13	0.225826	hyper	sig	chr3_181726697
chr9	1.37E+08	136995178	+	4.091E-14	4.8221E-13	0.278557	hyper	sig	chr9_136995178
chr20	50305512	50305512	+	4.095E-14	4.8259E-13	0.274317	hyper	sig	chr20_50305512
chr7	98869409	98869409	+	4.095E-14	4.8259E-13	0.380011	hyper	sig	chr7_98869409
chr16	29785270	29785270	+	4.096E-14	4.827E-13	0.230752	hyper	sig	chr16_29785270
chr11	2302146	2302146	+	4.096E-14	4.827E-13	-0.20745	hypo	sig	chr11_2302146
chr8	979958	979958	+	4.096E-14	4.8273E-13	-0.26138	hypo	sig	chr8_979958
chr4	1.47E+08	146639003	+	4.097E-14	4.8286E-13	0.220616	hyper	sig	chr4_146639003
chr15	37096339	37096339	+	4.097E-14	4.8288E-13	0.241862	hyper	sig	chr15_37096339
chr4	80185368	80185368	+	4.106E-14	4.839E-13	0.209235	hyper	sig	chr4_80185368
chr19	36775846	36775846	+	4.109E-14	4.8414E-13	0.30063	hyper	sig	chr19_36775846

chr4	1561242	1561242	+	4.112E-14	4.8448E-13	-0.25818	hypo	sig	chr4_1561242
chr17	246075	246075	+	4.117E-14	4.8511E-13	-0.20774	hypo	sig	chr17_246075
chr7	2567247	2567247	+	4.117E-14	4.8513E-13	0.311896	hyper	sig	chr7_2567247
chr16	30474276	30474276	+	4.118E-14	4.8514E-13	0.308319	hyper	sig	chr16_30474276
chr12	53973075	53973075	+	4.12E-14	4.8546E-13	0.233977	hyper	sig	chr12_53973075
chr1	1.61E+08	161422137	+	4.122E-14	4.8561E-13	0.215044	hyper	sig	chr1_161422137
chr11	85665987	85665987	+	4.123E-14	4.8576E-13	-0.21356	hypo	sig	chr11_85665987
chr8	1.42E+08	141760590	+	4.128E-14	4.8629E-13	-0.21681	hypo	sig	chr8_141760590
chr19	35359573	35359573	+	4.128E-14	4.8631E-13	-0.21776	hypo	sig	chr19_35359573
chr7	15685571	15685571	+	4.128E-14	4.8631E-13	0.209252	hyper	sig	chr7_15685571
chr11	31800049	31800049	+	4.13E-14	4.8652E-13	0.310268	hyper	sig	chr11_31800049
chr2	2.28E+08	228181998	+	4.13E-14	4.8654E-13	0.335739	hyper	sig	chr2_228181998
chr19	18007435	18007435	+	4.132E-14	4.8673E-13	0.234737	hyper	sig	chr19_18007435
chr2	75199131	75199131	+	4.143E-14	4.8806E-13	0.212101	hyper	sig	chr2_75199131
chr2	2.39E+08	239027703	+	4.144E-14	4.8817E-13	-0.23892	hypo	sig	chr2_239027703
chr2	1.2E+08	120350454	+	4.15E-14	4.8881E-13	-0.2842	hypo	sig	chr2_120350454
chr8	1.28E+08	128109302	+	4.151E-14	4.8892E-13	0.234467	hyper	sig	chr8_128109302
chr2	96317824	96317824	+	4.153E-14	4.8921E-13	-0.2066	hypo	sig	chr2_96317824
chr9	99306317	99306317	+	4.154E-14	4.8926E-13	-0.20472	hypo	sig	chr9_99306317
chr9	37029865	37029865	+	4.158E-14	4.8969E-13	0.22471	hyper	sig	chr9_37029865
chr3	30910043	30910043	+	4.159E-14	4.8981E-13	-0.21402	hypo	sig	chr3_30910043
chr9	1.28E+08	127755563	+	4.159E-14	4.8981E-13	0.241344	hyper	sig	chr9_127755563
chr4	41744595	41744595	+	4.16E-14	4.8989E-13	0.245788	hyper	sig	chr4_41744595
chr14	1.01E+08	101060678	+	4.161E-14	4.9007E-13	-0.25931	hypo	sig	chr14_101060678
chr7	5303302	5303302	+	4.162E-14	4.9017E-13	-0.24755	hypo	sig	chr7_5303302
chr14	54220481	54220481	+	4.163E-14	4.9026E-13	0.209055	hyper	sig	chr14_54220481
chr1	41342127	41342127	+	4.166E-14	4.9059E-13	-0.33797	hypo	sig	chr1_41342127
chr5	44389718	44389718	+	4.168E-14	4.9083E-13	0.227969	hyper	sig	chr5_44389718
chr1	1.55E+08	154859759	+	4.169E-14	4.9092E-13	-0.209	hypo	sig	chr1_154859759
chr4	3370158	3370158	+	4.173E-14	4.9146E-13	0.209547	hyper	sig	chr4_3370158
chr2	2.39E+08	239222154	+	4.174E-14	4.9156E-13	0.24105	hyper	sig	chr2_239222154
chr2	66445709	66445709	+	4.175E-14	4.9158E-13	0.235191	hyper	sig	chr2_66445709
chr14	1.06E+08	105707470	+	4.178E-14	4.9197E-13	-0.27004	hypo	sig	chr14_105707470
chr6	1.69E+08	169026238	+	4.179E-14	4.9202E-13	-0.26672	hypo	sig	chr6_169026238
chr12	1.32E+08	132452126	+	4.18E-14	4.9219E-13	-0.25874	hypo	sig	chr12_132452126
chr12	54047456	54047456	+	4.184E-14	4.9261E-13	0.265608	hyper	sig	chr12_54047456
chr6	20032413	20032413	+	4.185E-14	4.9271E-13	0.254578	hyper	sig	chr6_20032413
chr9	96219181	96219181	+	4.185E-14	4.9273E-13	-0.29249	hypo	sig	chr9_96219181
chr15	88803971	88803971	+	4.186E-14	4.9284E-13	0.238949	hyper	sig	chr15_88803971
chr4	26804489	26804489	+	4.188E-14	4.9306E-13	0.228186	hyper	sig	chr4_26804489
chr5	1860194	1860194	+	4.194E-14	4.9376E-13	-0.21174	hypo	sig	chr5_1860194
chr15	24679778	24679778	+	4.194E-14	4.9376E-13	-0.22215	hypo	sig	chr15_24679778
chr5	1.72E+08	172381433	+	4.197E-14	4.941E-13	0.206643	hyper	sig	chr5_172381433
chr10	1.3E+08	129966134	+	4.198E-14	4.9417E-13	0.26169	hyper	sig	chr10_129966134
chr7	1040976	1040976	+	4.198E-14	4.9418E-13	0.273172	hyper	sig	chr7_1040976
chr7	72969642	72969642	+	4.198E-14	4.9422E-13	0.344523	hyper	sig	chr7_72969642
chr7	1.58E+08	158042223	+	4.203E-14	4.9481E-13	-0.23131	hypo	sig	chr7_158042223
chr11	64591145	64591145	+	4.204E-14	4.9484E-13	-0.27038	hypo	sig	chr11_64591145
chr22	19754903	19754903	+	4.206E-14	4.9509E-13	0.240764	hyper	sig	chr22_19754903
chr2	2.41E+08	240918905	+	4.207E-14	4.9524E-13	-0.29719	hypo	sig	chr2_240918905
chr19	1524480	1524480	+	4.211E-14	4.9571E-13	0.293566	hyper	sig	chr19_1524480
chr6	41633874	41633874	+	4.212E-14	4.9574E-13	-0.21616	hypo	sig	chr6_41633874
chr19	345352	345352	+	4.212E-14	4.9576E-13	0.268653	hyper	sig	chr19_345352
chr10	1.22E+08	122463102	+	4.212E-14	4.9577E-13	0.240805	hyper	sig	chr10_122463102
chr3	49873909	49873909	+	4.215E-14	4.9614E-13	-0.2411	hypo	sig	chr3_49873909
chr9	1.33E+08	132579888	+	4.218E-14	4.9646E-13	0.252982	hyper	sig	chr9_132579888

chr9	1.35E+08	135098523	+	4.221E-14	4.9675E-13	0.246123	hyper	sig	chr9_135098523
chr10	69416740	69416740	+	4.221E-14	4.9682E-13	0.222076	hyper	sig	chr10_69416740
chr5	1.41E+08	141370508	+	4.222E-14	4.9684E-13	0.36194	hyper	sig	chr5_141370508
chr15	20354051	20354051	+	4.222E-14	4.9684E-13	-0.26793	hypo	sig	chr15_20354051
chr7	5417594	5417594	+	4.226E-14	4.9734E-13	0.239411	hyper	sig	chr7_5417594
chr5	2289133	2289133	+	4.228E-14	4.9757E-13	-0.20364	hypo	sig	chr5_2289133
chr16	1941284	1941284	+	4.23E-14	4.978E-13	-0.26844	hypo	sig	chr16_1941284
chr18	79785165	79785165	+	4.23E-14	4.978E-13	-0.2494	hypo	sig	chr18_79785165
chr8	27633443	27633443	+	4.231E-14	4.9789E-13	0.222765	hyper	sig	chr8_27633443
chr5	958995	958995	+	4.232E-14	4.9802E-13	-0.25112	hypo	sig	chr5_958995
chr3	1.88E+08	187669726	+	4.234E-14	4.9817E-13	0.296765	hyper	sig	chr3_187669726
chr1	7784682	7784682	+	4.235E-14	4.9832E-13	0.318574	hyper	sig	chr1_7784682
chr16	15434200	15434200	+	4.236E-14	4.9846E-13	0.281402	hyper	sig	chr16_15434200
chr3	13282179	13282179	+	4.238E-14	4.9862E-13	0.294401	hyper	sig	chr3_13282179
chr2	2.4E+08	240140389	+	4.238E-14	4.9865E-13	-0.20561	hypo	sig	chr2_240140389
chr12	1.14E+08	114444814	+	4.24E-14	4.9883E-13	0.238945	hyper	sig	chr12_114444814
chr13	1.12E+08	112071804	+	4.241E-14	4.9894E-13	0.240657	hyper	sig	chr13_112071804
chr22	38214578	38214578	+	4.241E-14	4.9897E-13	0.313618	hyper	sig	chr22_38214578
chr11	65479730	65479730	+	4.242E-14	4.9904E-13	0.233908	hyper	sig	chr11_65479730
chr15	36888242	36888242	+	4.243E-14	4.9919E-13	0.280028	hyper	sig	chr15_36888242
chr15	24773113	24773113	+	4.245E-14	4.9942E-13	0.247613	hyper	sig	chr15_24773113
chr11	2886598	2886598	+	4.246E-14	4.9944E-13	0.243298	hyper	sig	chr11_2886598
chr14	60507107	60507107	+	4.248E-14	4.9971E-13	0.261127	hyper	sig	chr14_60507107
chr19	17983062	17983062	+	4.249E-14	4.9979E-13	-0.293	hypo	sig	chr19_17983062
chr5	931219	931219	+	4.249E-14	4.998E-13	-0.27103	hypo	sig	chr5_931219
chr14	28785847	28785847	+	4.25E-14	4.999E-13	0.294948	hyper	sig	chr14_28785847
chr7	1.4E+08	139523405	+	4.25E-14	4.9991E-13	0.20611	hyper	sig	chr7_139523405
chr6	1.68E+08	168079376	+	4.253E-14	5.0022E-13	-0.20892	hypo	sig	chr6_168079376
chr8	38713227	38713227	+	4.254E-14	5.0038E-13	0.241328	hyper	sig	chr8_38713227
chr19	53787831	53787831	+	4.257E-14	5.0065E-13	-0.23863	hypo	sig	chr19_53787831
chr10	22477243	22477243	+	4.258E-14	5.0084E-13	0.252619	hyper	sig	chr10_22477243
chr17	29623246	29623246	+	4.259E-14	5.0087E-13	0.331101	hyper	sig	chr17_29623246
chr2	1.71E+08	170815357	+	4.259E-14	5.0087E-13	0.24028	hyper	sig	chr2_170815357
chr11	12104136	12104136	+	4.259E-14	5.0089E-13	0.250836	hyper	sig	chr11_12104136
chr2	1.06E+08	106342963	+	4.259E-14	5.009E-13	-0.28143	hypo	sig	chr2_106342963
chr7	1.28E+08	128168459	+	4.261E-14	5.0112E-13	0.206732	hyper	sig	chr7_128168459
chr16	84925271	84925271	+	4.263E-14	5.0132E-13	-0.27103	hypo	sig	chr16_84925271
chr2	1.24E+08	124025301	+	4.268E-14	5.0193E-13	0.25433	hyper	sig	chr2_124025301
chr1	2237843	2237843	+	4.27E-14	5.021E-13	0.207753	hyper	sig	chr1_2237843
chr6	1.69E+08	168906638	+	4.273E-14	5.0246E-13	-0.24782	hypo	sig	chr6_168906638
chr2	1.76E+08	176083425	+	4.273E-14	5.0253E-13	0.237433	hyper	sig	chr2_176083425
chr5	1.41E+08	141215437	+	4.274E-14	5.0255E-13	0.248006	hyper	sig	chr5_141215437
chr11	19346122	19346122	+	4.274E-14	5.0261E-13	0.254898	hyper	sig	chr11_19346122
chr2	96823306	96823306	+	4.275E-14	5.0265E-13	0.210983	hyper	sig	chr2_96823306
chr12	53975612	53975612	+	4.275E-14	5.0268E-13	0.241186	hyper	sig	chr12_53975612
chr2	2.22E+08	222304183	+	4.276E-14	5.0275E-13	0.214876	hyper	sig	chr2_222304183
chr14	97219497	97219497	+	4.278E-14	5.0303E-13	0.248587	hyper	sig	chr14_97219497
chr15	90868888	90868888	+	4.283E-14	5.0353E-13	-0.22332	hypo	sig	chr15_90868888
chr2	70907498	70907498	+	4.287E-14	5.0403E-13	0.204839	hyper	sig	chr2_70907498
chr16	3029765	3029765	+	4.292E-14	5.0452E-13	0.245643	hyper	sig	chr16_3029765
chr1	2.08E+08	207645249	+	4.292E-14	5.0459E-13	0.296951	hyper	sig	chr1_207645249
chr5	1.41E+08	141402943	+	4.293E-14	5.0467E-13	0.252751	hyper	sig	chr5_141402943
chr7	73831437	73831437	+	4.294E-14	5.0475E-13	-0.23064	hypo	sig	chr7_73831437
chr14	22821633	22821633	+	4.294E-14	5.0479E-13	-0.20996	hypo	sig	chr14_22821633
chr5	37249823	37249823	+	4.295E-14	5.0486E-13	0.256165	hyper	sig	chr5_37249823
chr2	2.39E+08	238967212	+	4.296E-14	5.0496E-13	-0.21465	hypo	sig	chr2_238967212

chr1	36321148	36321148	+	4.296E-14	5.0504E-13	0.220445	hyper	sig	chr1_36321148
chr7	90599416	90599416	+	4.297E-14	5.0506E-13	-0.2009	hypo	sig	chr7_90599416
chr7	73378737	73378737	+	4.297E-14	5.0512E-13	-0.27175	hypo	sig	chr7_73378737
chr17	7014074	7014074	+	4.299E-14	5.0525E-13	-0.23733	hypo	sig	chr17_7014074
chr2	1.35E+08	134717880	+	4.299E-14	5.0525E-13	0.313275	hyper	sig	chr2_134717880
chr7	97002630	97002630	+	4.301E-14	5.0558E-13	0.270396	hyper	sig	chr7_97002630
chr6	1E+08	100457721	+	4.302E-14	5.0568E-13	0.287403	hyper	sig	chr6_100457721
chr3	1.72E+08	172447810	+	4.307E-14	5.0617E-13	0.334089	hyper	sig	chr3_172447810
chr20	62063573	62063573	+	4.31E-14	5.0657E-13	0.27608	hyper	sig	chr20_62063573
chr8	1.44E+08	143937926	+	4.313E-14	5.0695E-13	-0.23818	hypo	sig	chr8_143937926
chr17	1898666	1898666	+	4.315E-14	5.0714E-13	0.20601	hyper	sig	chr17_1898666
chr5	1.19E+08	119355338	+	4.317E-14	5.0737E-13	-0.224	hypo	sig	chr5_119355338
chr3	1.35E+08	134799516	+	4.319E-14	5.0758E-13	0.248507	hyper	sig	chr3_134799516
chr16	85448795	85448795	+	4.322E-14	5.0792E-13	-0.28093	hypo	sig	chr16_85448795
chr14	1.03E+08	103102813	+	4.322E-14	5.0795E-13	0.260733	hyper	sig	chr14_103102813
chr12	1.03E+08	102824862	+	4.325E-14	5.0825E-13	0.251391	hyper	sig	chr12_102824862
chr5	1.79E+08	179285621	+	4.325E-14	5.0825E-13	-0.27519	hypo	sig	chr5_179285621
chr7	81124	81124	+	4.326E-14	5.0832E-13	-0.24901	hypo	sig	chr7_81124
chr17	35752979	35752979	+	4.327E-14	5.0843E-13	0.231992	hyper	sig	chr17_35752979
chr14	1.01E+08	101026594	+	4.328E-14	5.0855E-13	-0.21731	hypo	sig	chr14_101026594
chr4	573748	573748	+	4.329E-14	5.0869E-13	-0.21794	hypo	sig	chr4_573748
chr1	36100165	36100165	+	4.33E-14	5.0873E-13	-0.28226	hypo	sig	chr1_36100165
chr1	2.25E+08	224617929	+	4.331E-14	5.0885E-13	0.280955	hyper	sig	chr1_224617929
chr3	66795625	66795625	+	4.336E-14	5.0942E-13	-0.2475	hypo	sig	chr3_66795625
chr4	6664330	6664330	+	4.338E-14	5.0968E-13	0.311802	hyper	sig	chr4_6664330
chr2	1230359	1230359	+	4.338E-14	5.0969E-13	-0.35439	hypo	sig	chr2_1230359
chr19	1439953	1439953	+	4.343E-14	5.103E-13	-0.20853	hypo	sig	chr19_1439953
chr5	1.8E+08	179530526	+	4.345E-14	5.1044E-13	0.232146	hyper	sig	chr5_179530526
chr15	26868373	26868373	+	4.347E-14	5.1066E-13	0.32099	hyper	sig	chr15_26868373
chr6	10422345	10422345	+	4.35E-14	5.1101E-13	0.291516	hyper	sig	chr6_10422345
chr11	2904209	2904209	+	4.352E-14	5.1125E-13	-0.20682	hypo	sig	chr11_2904209
chr19	50790110	50790110	+	4.352E-14	5.1125E-13	-0.2088	hypo	sig	chr19_50790110
chr7	1.57E+08	157498780	+	4.352E-14	5.1127E-13	-0.20327	hypo	sig	chr7_157498780
chr5	43036988	43036988	+	4.355E-14	5.1161E-13	0.240055	hyper	sig	chr5_43036988
chr14	60510659	60510659	+	4.357E-14	5.1182E-13	0.214765	hyper	sig	chr14_60510659
chr11	65592773	65592773	+	4.358E-14	5.1187E-13	0.306401	hyper	sig	chr11_65592773
chr19	51123987	51123987	+	4.359E-14	5.1203E-13	-0.29936	hypo	sig	chr19_51123987
chr17	4786424	4786424	+	4.359E-14	5.1204E-13	0.212509	hyper	sig	chr17_4786424
chr6	1.67E+08	166754115	+	4.361E-14	5.1224E-13	-0.2699	hypo	sig	chr6_166754115
chr10	1.18E+08	117546655	+	4.361E-14	5.1228E-13	0.201371	hyper	sig	chr10_117546655
chr11	1.23E+08	123358418	+	4.366E-14	5.1286E-13	0.257189	hyper	sig	chr11_123358418
chr11	92225633	92225633	+	4.367E-14	5.1296E-13	0.254825	hyper	sig	chr11_92225633
chr15	28920686	28920686	+	4.369E-14	5.1314E-13	-0.24271	hypo	sig	chr15_28920686
chr1	1.98E+08	197921349	+	4.374E-14	5.1371E-13	0.265907	hyper	sig	chr1_197921349
chr6	98825111	98825111	+	4.376E-14	5.1387E-13	0.304878	hyper	sig	chr6_98825111
chr1	1.87E+08	187073889	+	4.377E-14	5.14E-13	-0.28631	hypo	sig	chr1_187073889
chr14	99792824	99792824	+	4.377E-14	5.1408E-13	0.226545	hyper	sig	chr14_99792824
chr7	50402479	50402479	+	4.38E-14	5.1436E-13	-0.27737	hypo	sig	chr7_50402479
chr2	2.42E+08	241827146	+	4.388E-14	5.1529E-13	-0.29284	hypo	sig	chr2_241827146
chr13	1.14E+08	114047319	+	4.389E-14	5.1533E-13	-0.26302	hypo	sig	chr13_114047319
chr22	19764705	19764705	+	4.389E-14	5.1538E-13	-0.24442	hypo	sig	chr22_19764705
chr20	63006008	63006008	+	4.39E-14	5.1547E-13	0.285948	hyper	sig	chr20_63006008
chr1	2.49E+08	248693219	+	4.39E-14	5.1549E-13	-0.25775	hypo	sig	chr1_248693219
chr7	1.58E+08	157751001	+	4.397E-14	5.163E-13	-0.29716	hypo	sig	chr7_157751001
chr14	60507671	60507671	+	4.403E-14	5.1694E-13	0.230545	hyper	sig	chr14_60507671
chr9	77019090	77019090	+	4.404E-14	5.1704E-13	0.251578	hyper	sig	chr9_77019090

chr5	1.8E+08	179679323	+	4.404E-14	5.171E-13	0.307054	hyper	sig	chr5_179679323
chr3	1.3E+08	130013375	+	4.406E-14	5.1731E-13	-0.24468	hypo	sig	chr3_130013375
chr6	33075317	33075317	+	4.41E-14	5.1773E-13	-0.25613	hypo	sig	chr6_33075317
chr16	14529093	14529093	+	4.412E-14	5.1793E-13	0.233138	hyper	sig	chr16_14529093
chr16	87870941	87870941	+	4.415E-14	5.1832E-13	-0.23731	hypo	sig	chr16_87870941
chr10	1.3E+08	129965623	+	4.417E-14	5.186E-13	0.209147	hyper	sig	chr10_129965623
chr2	2.16E+08	215624503	+	4.418E-14	5.1871E-13	0.216473	hyper	sig	chr2_215624503
chr9	14993635	14993635	+	4.419E-14	5.1873E-13	0.268349	hyper	sig	chr9_14993635
chr15	72315900	72315900	+	4.421E-14	5.1895E-13	-0.29313	hypo	sig	chr15_72315900
chr8	1.44E+08	143738738	+	4.422E-14	5.1912E-13	-0.25141	hypo	sig	chr8_143738738
chr9	16727872	16727872	+	4.423E-14	5.1913E-13	0.207641	hyper	sig	chr9_16727872
chr10	1.25E+08	124632215	+	4.426E-14	5.1954E-13	0.254027	hyper	sig	chr10_124632215
chr2	1.27E+08	126656772	+	4.426E-14	5.1957E-13	0.243054	hyper	sig	chr2_126656772
chr10	42242795	42242795	+	4.427E-14	5.1958E-13	0.277696	hyper	sig	chr10_42242795
chr9	1.37E+08	136617875	+	4.427E-14	5.1966E-13	-0.24426	hypo	sig	chr9_136617875
chr8	57143317	57143317	+	4.431E-14	5.2012E-13	0.354416	hyper	sig	chr8_57143317
chr7	590888	590888	+	4.433E-14	5.2034E-13	0.217614	hyper	sig	chr7_590888
chr6	33165623	33165623	+	4.435E-14	5.2053E-13	-0.21703	hypo	sig	chr6_33165623
chr17	82577573	82577573	+	4.435E-14	5.2058E-13	-0.26433	hypo	sig	chr17_82577573
chr8	20261702	20261702	+	4.437E-14	5.2073E-13	0.221387	hyper	sig	chr8_20261702
chr17	44210845	44210845	+	4.438E-14	5.2089E-13	0.281832	hyper	sig	chr17_44210845
chr2	1.85E+08	184598120	+	4.44E-14	5.2113E-13	0.216811	hyper	sig	chr2_184598120
chr3	1.3E+08	129975822	+	4.442E-14	5.2128E-13	0.284514	hyper	sig	chr3_129975822
chr17	7350031	7350031	+	4.444E-14	5.2156E-13	0.261931	hyper	sig	chr17_7350031
chr3	6862506	6862506	+	4.445E-14	5.2164E-13	0.250371	hyper	sig	chr3_6862506
chr16	86516174	86516174	+	4.446E-14	5.2175E-13	0.288182	hyper	sig	chr16_86516174
chr4	1.74E+08	173516766	+	4.448E-14	5.2196E-13	0.23098	hyper	sig	chr4_173516766
chr19	43624232	43624232	+	4.449E-14	5.2211E-13	-0.23441	hypo	sig	chr19_43624232
chr14	36524674	36524674	+	4.452E-14	5.2239E-13	0.304771	hyper	sig	chr14_36524674
chr1	1.19E+08	118984379	+	4.454E-14	5.2266E-13	0.209877	hyper	sig	chr1_118984379
chr6	71421096	71421096	+	4.458E-14	5.2312E-13	0.236909	hyper	sig	chr6_71421096
chr9	5186119	5186119	+	4.46E-14	5.2326E-13	-0.24918	hypo	sig	chr9_5186119
chr1	2.28E+08	228207700	+	4.46E-14	5.233E-13	-0.28019	hypo	sig	chr1_228207700
chr11	1392071	1392071	+	4.462E-14	5.2351E-13	-0.20302	hypo	sig	chr11_1392071
chr1	1.55E+08	155136902	+	4.462E-14	5.2358E-13	-0.22069	hypo	sig	chr1_155136902
chr12	1.01E+08	101209680	+	4.463E-14	5.2359E-13	0.216789	hyper	sig	chr12_101209680
chr2	2.22E+08	222295465	+	4.469E-14	5.2429E-13	0.202145	hyper	sig	chr2_222295465
chr14	37622275	37622275	+	4.47E-14	5.244E-13	0.252383	hyper	sig	chr14_37622275
chr15	96416984	96416984	+	4.471E-14	5.2455E-13	0.218008	hyper	sig	chr15_96416984
chr16	160802	160802	+	4.473E-14	5.2471E-13	-0.27499	hypo	sig	chr16_160802
chr10	52772299	52772299	+	4.474E-14	5.249E-13	-0.21906	hypo	sig	chr10_52772299
chr17	79465463	79465463	+	4.474E-14	5.249E-13	-0.29336	hypo	sig	chr17_79465463
chr19	1203150	1203150	+	4.48E-14	5.2561E-13	-0.25023	hypo	sig	chr19_1203150
chr4	6753279	6753279	+	4.483E-14	5.2593E-13	-0.2434	hypo	sig	chr4_6753279
chr16	12903404	12903404	+	4.487E-14	5.2634E-13	0.205651	hyper	sig	chr16_12903404
chr11	2168935	2168935	+	4.492E-14	5.2692E-13	-0.25132	hypo	sig	chr11_2168935
chr16	67649113	67649113	+	4.493E-14	5.2697E-13	0.234009	hyper	sig	chr16_67649113
chr2	424362	424362	+	4.496E-14	5.2736E-13	-0.20652	hypo	sig	chr2_424362
chr19	48481033	48481033	+	4.497E-14	5.275E-13	0.318864	hyper	sig	chr19_48481033
chr6	3364269	3364269	+	4.498E-14	5.2753E-13	-0.22329	hypo	sig	chr6_3364269
chr11	23942356	23942356	+	4.5E-14	5.2779E-13	-0.25598	hypo	sig	chr11_23942356
chr2	1.39E+08	138779992	+	4.501E-14	5.2784E-13	0.331034	hyper	sig	chr2_138779992
chr22	46076728	46076728	+	4.501E-14	5.2786E-13	-0.23525	hypo	sig	chr22_46076728
chr1	1965134	1965134	+	4.501E-14	5.2789E-13	-0.26027	hypo	sig	chr1_1965134
chr22	28442031	28442031	+	4.502E-14	5.2799E-13	0.201628	hyper	sig	chr22_28442031
chr16	46731496	46731496	+	4.504E-14	5.2821E-13	-0.24825	hypo	sig	chr16_46731496

chr21	43812343	43812343	+	4.506E-14	5.2844E-13	-0.23384	hypo	sig	chr21_43812343
chr16	1149948	1149948	+	4.508E-14	5.2866E-13	0.236453	hyper	sig	chr16_1149948
chr14	1E+08	100192565	+	4.508E-14	5.2867E-13	-0.31637	hypo	sig	chr14_100192565
chr17	80470596	80470596	+	4.511E-14	5.2896E-13	-0.24515	hypo	sig	chr17_80470596
chr22	24607690	24607690	+	4.511E-14	5.2901E-13	-0.25253	hypo	sig	chr22_24607690
chr16	2184043	2184043	+	4.514E-14	5.2926E-13	-0.24587	hypo	sig	chr16_2184043
chr2	1817974	1817974	+	4.517E-14	5.2962E-13	0.205256	hyper	sig	chr2_1817974
chr12	1.03E+08	102824421	+	4.518E-14	5.2979E-13	0.357472	hyper	sig	chr12_102824421
chr10	90857334	90857334	+	4.52E-14	5.3001E-13	0.26576	hyper	sig	chr10_90857334
chr6	52576270	52576270	+	4.522E-14	5.3016E-13	0.209991	hyper	sig	chr6_52576270
chr6	1.06E+08	105981539	+	4.525E-14	5.3051E-13	0.211708	hyper	sig	chr6_105981539
chr7	561780	561780	+	4.525E-14	5.3051E-13	0.244197	hyper	sig	chr7_561780
chr2	8543815	8543815	+	4.526E-14	5.3059E-13	-0.2182	hypo	sig	chr2_8543815
chr14	1E+08	100328876	+	4.527E-14	5.3074E-13	-0.2655	hypo	sig	chr14_100328876
chr1	16532626	16532626	+	4.528E-14	5.3083E-13	0.23977	hyper	sig	chr1_16532626
chr19	2607956	2607956	+	4.529E-14	5.3101E-13	-0.21789	hypo	sig	chr19_2607956
chr17	81445128	81445128	+	4.53E-14	5.311E-13	-0.25094	hypo	sig	chr17_81445128
chr12	12785148	12785148	+	4.533E-14	5.3146E-13	-0.20148	hypo	sig	chr12_12785148
chr9	1.35E+08	134623803	+	4.537E-14	5.3193E-13	-0.31359	hypo	sig	chr9_134623803
chr3	1.94E+08	194255641	+	4.539E-14	5.3217E-13	-0.23758	hypo	sig	chr3_194255641
chr3	1.54E+08	154122990	+	4.542E-14	5.3241E-13	0.23826	hyper	sig	chr3_154122990
chr4	61201610	61201610	+	4.542E-14	5.3241E-13	0.290541	hyper	sig	chr4_61201610
chr3	37994078	37994078	+	4.542E-14	5.3244E-13	0.293141	hyper	sig	chr3_37994078
chr8	1.42E+08	142430219	+	4.544E-14	5.3271E-13	-0.27206	hypo	sig	chr8_142430219
chr2	44956709	44956709	+	4.546E-14	5.3287E-13	-0.27365	hypo	sig	chr2_44956709
chr17	79379379	79379379	+	4.546E-14	5.3288E-13	-0.25053	hypo	sig	chr17_79379379
chr11	68980167	68980167	+	4.547E-14	5.3302E-13	-0.21129	hypo	sig	chr11_68980167
chr17	17810465	17810465	+	4.548E-14	5.3306E-13	0.34853	hyper	sig	chr17_17810465
chr8	1.42E+08	142168975	+	4.55E-14	5.3329E-13	-0.29105	hypo	sig	chr8_142168975
chr1	2.08E+08	207910792	+	4.553E-14	5.3364E-13	0.235521	hyper	sig	chr1_207910792
chr10	1.31E+08	131147470	+	4.554E-14	5.3379E-13	0.223881	hyper	sig	chr10_131147470
chr13	99991134	99991134	+	4.554E-14	5.3379E-13	0.298897	hyper	sig	chr13_99991134
chr10	1.32E+08	132036219	+	4.554E-14	5.3382E-13	0.212841	hyper	sig	chr10_132036219
chr8	1.42E+08	142473514	+	4.555E-14	5.3388E-13	-0.22502	hypo	sig	chr8_142473514
chr8	19602155	19602155	+	4.556E-14	5.3397E-13	0.230377	hyper	sig	chr8_19602155
chr2	91745550	91745550	+	4.556E-14	5.3397E-13	-0.22789	hypo	sig	chr2_91745550
chr19	30228686	30228686	+	4.558E-14	5.3426E-13	0.214923	hyper	sig	chr19_30228686
chr4	81214926	81214926	+	4.56E-14	5.3444E-13	0.228455	hyper	sig	chr4_81214926
chr7	27241696	27241696	+	4.56E-14	5.3446E-13	0.200494	hyper	sig	chr7_27241696
chr5	1.35E+08	134512182	+	4.561E-14	5.345E-13	0.254751	hyper	sig	chr5_134512182
chr1	1963717	1963717	+	4.562E-14	5.3461E-13	-0.22332	hypo	sig	chr1_1963717
chr7	1.33E+08	132575537	+	4.563E-14	5.3478E-13	0.206736	hyper	sig	chr7_132575537
chr22	45309135	45309135	+	4.567E-14	5.3514E-13	-0.27092	hypo	sig	chr22_45309135
chr12	43571955	43571955	+	4.567E-14	5.3521E-13	0.230484	hyper	sig	chr12_43571955
chr1	6474421	6474421	+	4.567E-14	5.3523E-13	-0.21994	hypo	sig	chr1_6474421
chr5	73301255	73301255	+	4.568E-14	5.3525E-13	0.249159	hyper	sig	chr5_73301255
chr19	3136078	3136078	+	4.569E-14	5.3543E-13	-0.24793	hypo	sig	chr19_3136078
chr5	1.41E+08	141365776	+	4.571E-14	5.3559E-13	0.25927	hyper	sig	chr5_141365776
chr11	8732926	8732926	+	4.58E-14	5.3661E-13	0.330676	hyper	sig	chr11_8732926
chr7	20779267	20779267	+	4.583E-14	5.3697E-13	0.254942	hyper	sig	chr7_20779267
chr1	1.61E+08	161198417	+	4.583E-14	5.3704E-13	0.328968	hyper	sig	chr1_161198417
chr11	49561419	49561419	+	4.586E-14	5.3728E-13	0.263768	hyper	sig	chr11_49561419
chr3	48656544	48656544	+	4.586E-14	5.3733E-13	0.228122	hyper	sig	chr3_48656544
chr20	23053838	23053838	+	4.586E-14	5.3733E-13	-0.23575	hypo	sig	chr20_23053838
chr15	89410096	89410096	+	4.591E-14	5.3793E-13	0.238143	hyper	sig	chr15_89410096
chr12	1.14E+08	114405550	+	4.594E-14	5.3828E-13	0.260206	hyper	sig	chr12_114405550

chr16	88732411	88732411	+	4.598E-14	5.3874E-13	0.204285	hyper	sig	chr16_88732411
chr12	85279498	85279498	+	4.604E-14	5.3932E-13	0.285975	hyper	sig	chr12_85279498
chr1	1.65E+08	165232148	+	4.605E-14	5.3947E-13	-0.21112	hypo	sig	chr1_165232148
chr11	65592990	65592990	+	4.605E-14	5.3947E-13	0.211794	hyper	sig	chr11_65592990
chr11	69196505	69196505	+	4.605E-14	5.3947E-13	0.262441	hyper	sig	chr11_69196505
chr15	1.01E+08	101009090	+	4.605E-14	5.3947E-13	-0.22207	hypo	sig	chr15_101009090
chr19	53058740	53058740	+	4.607E-14	5.3967E-13	0.257953	hyper	sig	chr19_53058740
chr8	56157483	56157483	+	4.608E-14	5.3978E-13	0.270995	hyper	sig	chr8_56157483
chr2	85132661	85132661	+	4.609E-14	5.3992E-13	0.236242	hyper	sig	chr2_85132661
chr11	1.18E+08	118077162	+	4.609E-14	5.3992E-13	-0.21217	hypo	sig	chr11_118077162
chr1	2.36E+08	236395165	+	4.613E-14	5.4039E-13	0.20617	hyper	sig	chr1_236395165
chr9	1.33E+08	132583238	+	4.615E-14	5.4055E-13	0.308517	hyper	sig	chr9_132583238
chr13	27921790	27921790	+	4.618E-14	5.4092E-13	0.249936	hyper	sig	chr13_27921790
chr7	56074721	56074721	+	4.619E-14	5.4102E-13	0.302893	hyper	sig	chr7_56074721
chr10	81876501	81876501	+	4.619E-14	5.4102E-13	0.224725	hyper	sig	chr10_81876501
chr19	14085758	14085758	+	4.62E-14	5.4116E-13	0.327463	hyper	sig	chr19_14085758
chr2	2.36E+08	235577692	+	4.621E-14	5.4126E-13	0.205808	hyper	sig	chr2_235577692
chr4	48484221	48484221	+	4.621E-14	5.4126E-13	0.243699	hyper	sig	chr4_48484221
chr3	1.53E+08	153285290	+	4.623E-14	5.4141E-13	-0.25392	hypo	sig	chr3_153285290
chr7	1.5E+08	150049551	+	4.625E-14	5.4172E-13	0.26735	hyper	sig	chr7_150049551
chr16	87487857	87487857	+	4.631E-14	5.4236E-13	-0.23911	hypo	sig	chr16_87487857
chr10	1.33E+08	132915865	+	4.633E-14	5.4264E-13	-0.24867	hypo	sig	chr10_132915865
chr13	1.01E+08	100517606	+	4.636E-14	5.4295E-13	-0.31741	hypo	sig	chr13_100517606
chr17	2058034	2058034	+	4.637E-14	5.4307E-13	0.266635	hyper	sig	chr17_2058034
chr16	1288329	1288329	+	4.637E-14	5.4309E-13	-0.25689	hypo	sig	chr16_1288329
chr9	93948591	93948591	+	4.641E-14	5.4342E-13	0.24437	hyper	sig	chr9_93948591
chr20	4761845	4761845	+	4.641E-14	5.4342E-13	-0.30828	hypo	sig	chr20_4761845
chr11	1460588	1460588	+	4.641E-14	5.4348E-13	0.291292	hyper	sig	chr11_1460588
chr2	3769421	3769421	+	4.642E-14	5.4352E-13	-0.24475	hypo	sig	chr2_3769421
chr1	27522719	27522719	+	4.644E-14	5.4377E-13	0.243731	hyper	sig	chr1_27522719
chr8	1.42E+08	142126139	+	4.644E-14	5.4381E-13	-0.31975	hypo	sig	chr8_142126139
chr1	40798826	40798826	+	4.647E-14	5.4406E-13	0.272469	hyper	sig	chr1_40798826
chr15	74129281	74129281	+	4.649E-14	5.4438E-13	0.240541	hyper	sig	chr15_74129281
chr10	1.34E+08	133528024	+	4.65E-14	5.4448E-13	0.300816	hyper	sig	chr10_133528024
chr7	43445475	43445475	+	4.652E-14	5.447E-13	-0.25404	hypo	sig	chr7_43445475
chr19	629823	629823	+	4.653E-14	5.4477E-13	0.276347	hyper	sig	chr19_629823
chr6	27238110	27238110	+	4.655E-14	5.4494E-13	0.284862	hyper	sig	chr6_27238110
chr3	50533345	50533345	+	4.655E-14	5.4504E-13	-0.28624	hypo	sig	chr3_50533345
chr19	38303881	38303881	+	4.657E-14	5.4523E-13	-0.27119	hypo	sig	chr19_38303881
chr12	1.32E+08	132179023	+	4.658E-14	5.453E-13	-0.28899	hypo	sig	chr12_132179023
chr1	1.48E+08	148318315	+	4.661E-14	5.4563E-13	0.318162	hyper	sig	chr1_148318315
chr10	49322605	49322605	+	4.661E-14	5.457E-13	-0.2399	hypo	sig	chr10_49322605
chr1	35577797	35577797	+	4.664E-14	5.4603E-13	0.300158	hyper	sig	chr1_35577797
chr22	33006649	33006649	+	4.665E-14	5.4609E-13	-0.22699	hypo	sig	chr22_33006649
chr16	86507837	86507837	+	4.666E-14	5.4619E-13	0.301346	hyper	sig	chr16_86507837
chr7	1027813	1027813	+	4.668E-14	5.4647E-13	0.226333	hyper	sig	chr7_1027813
chr11	27720369	27720369	+	4.67E-14	5.466E-13	0.220982	hyper	sig	chr11_27720369
chr3	68931432	68931432	+	4.672E-14	5.4688E-13	0.229574	hyper	sig	chr3_68931432
chr22	38957490	38957490	+	4.673E-14	5.4698E-13	-0.20231	hypo	sig	chr22_38957490
chr16	562020	562020	+	4.674E-14	5.4704E-13	-0.22624	hypo	sig	chr16_562020
chr1	1.61E+08	161079789	+	4.675E-14	5.4722E-13	0.209164	hyper	sig	chr1_161079789
chr12	53951362	53951362	+	4.675E-14	5.4725E-13	0.247576	hyper	sig	chr12_53951362
chr3	62377108	62377108	+	4.679E-14	5.4767E-13	0.264186	hyper	sig	chr3_62377108
chr5	170017	170017	+	4.683E-14	5.4812E-13	-0.30393	hypo	sig	chr5_170017
chr12	1.32E+08	132344643	+	4.684E-14	5.482E-13	-0.22634	hypo	sig	chr12_132344643
chr2	1.32E+08	131829977	+	4.685E-14	5.483E-13	0.308989	hyper	sig	chr2_131829977

chr16	48810313	48810313	+	4.689E-14	5.4872E-13	0.251314	hyper	sig	chr16_48810313
chr7	23247906	23247906	+	4.691E-14	5.4899E-13	0.237418	hyper	sig	chr7_23247906
chr4	54231424	54231424	+	4.695E-14	5.4945E-13	0.28218	hyper	sig	chr4_54231424
chr17	17476438	17476438	+	4.695E-14	5.4948E-13	-0.32096	hypo	sig	chr17_17476438
chr17	40089393	40089393	+	4.696E-14	5.4952E-13	0.221784	hyper	sig	chr17_40089393
chr7	38311343	38311343	+	4.696E-14	5.4952E-13	0.243968	hyper	sig	chr7_38311343
chr8	96333651	96333651	+	4.701E-14	5.5013E-13	0.230497	hyper	sig	chr8_96333651
chr2	1282862	1282862	+	4.703E-14	5.5033E-13	0.222722	hyper	sig	chr2_1282862
chr8	1.13E+08	113435029	+	4.704E-14	5.5038E-13	0.215147	hyper	sig	chr8_113435029
chr10	1.33E+08	133226561	+	4.708E-14	5.509E-13	-0.2778	hypo	sig	chr10_133226561
chr10	49322814	49322814	+	4.71E-14	5.5109E-13	-0.23271	hypo	sig	chr10_49322814
chr7	15687539	15687539	+	4.71E-14	5.511E-13	0.239819	hyper	sig	chr7_15687539
chr1	46551184	46551184	+	4.71E-14	5.5111E-13	-0.24525	hypo	sig	chr1_46551184
chr2	96116152	96116152	+	4.712E-14	5.5134E-13	0.374527	hyper	sig	chr2_96116152
chr2	1.76E+08	176133021	+	4.716E-14	5.5172E-13	-0.26632	hypo	sig	chr2_176133021
chr11	1028367	1028367	+	4.716E-14	5.5174E-13	-0.23898	hypo	sig	chr11_1028367
chr8	11445474	11445474	+	4.717E-14	5.5189E-13	-0.24308	hypo	sig	chr8_11445474
chr21	42366590	42366590	+	4.717E-14	5.5191E-13	-0.22158	hypo	sig	chr21_42366590
chr1	39567471	39567471	+	4.726E-14	5.5289E-13	-0.2683	hypo	sig	chr1_39567471
chr7	75643023	75643023	+	4.733E-14	5.537E-13	-0.2096	hypo	sig	chr7_75643023
chr11	1.3E+08	130189748	+	4.735E-14	5.5384E-13	-0.24163	hypo	sig	chr11_130189748
chr22	43346277	43346277	+	4.735E-14	5.5391E-13	-0.20832	hypo	sig	chr22_43346277
chr16	46573768	46573768	+	4.738E-14	5.5416E-13	-0.31374	hypo	sig	chr16_46573768
chr3	1.92E+08	191952409	+	4.74E-14	5.5442E-13	-0.24681	hypo	sig	chr3_191952409
chr1	2.47E+08	246565375	+	4.742E-14	5.5462E-13	-0.24521	hypo	sig	chr1_246565375
chr1	24321719	24321719	+	4.743E-14	5.5472E-13	-0.28692	hypo	sig	chr1_24321719
chr5	1.41E+08	141428063	+	4.744E-14	5.5481E-13	0.257436	hyper	sig	chr5_141428063
chr6	1.6E+08	160091429	+	4.744E-14	5.5483E-13	-0.22446	hypo	sig	chr6_160091429
chr2	2.4E+08	239507319	+	4.744E-14	5.5483E-13	-0.20873	hypo	sig	chr2_239507319
chr1	2.24E+08	224175848	+	4.747E-14	5.5516E-13	0.293146	hyper	sig	chr1_224175848
chr1	40132843	40132843	+	4.748E-14	5.5523E-13	0.297424	hyper	sig	chr1_40132843
chr6	1.08E+08	108167527	+	4.748E-14	5.5523E-13	0.218323	hyper	sig	chr6_108167527
chr1	39082246	39082246	+	4.749E-14	5.5542E-13	0.309009	hyper	sig	chr1_39082246
chr1	47444229	47444229	+	4.75E-14	5.555E-13	0.27745	hyper	sig	chr1_47444229
chr16	29785320	29785320	+	4.751E-14	5.5554E-13	0.223451	hyper	sig	chr16_29785320
chr19	44776899	44776899	+	4.752E-14	5.5574E-13	-0.2482	hypo	sig	chr19_44776899
chr2	1.06E+08	106342898	+	4.755E-14	5.5601E-13	-0.25191	hypo	sig	chr2_106342898
chr22	21419200	21419200	+	4.755E-14	5.5601E-13	0.209898	hyper	sig	chr22_21419200
chr21	45005028	45005028	+	4.756E-14	5.5615E-13	-0.25993	hypo	sig	chr21_45005028
chr12	6167873	6167873	+	4.76E-14	5.5652E-13	-0.2728	hypo	sig	chr12_6167873
chr7	1.58E+08	157878002	+	4.76E-14	5.5662E-13	0.226884	hyper	sig	chr7_157878002
chr12	2793314	2793314	+	4.763E-14	5.5696E-13	-0.22477	hypo	sig	chr12_2793314
chr5	1.03E+08	102865717	+	4.763E-14	5.5696E-13	0.228186	hyper	sig	chr5_102865717
chr18	37275519	37275519	+	4.765E-14	5.5707E-13	0.246248	hyper	sig	chr18_37275519
chr8	1.4E+08	140100144	+	4.766E-14	5.5721E-13	0.212326	hyper	sig	chr8_140100144
chr5	1.81E+08	180630657	+	4.766E-14	5.5724E-13	-0.27662	hypo	sig	chr5_180630657
chr10	1.05E+08	104639742	+	4.769E-14	5.5762E-13	0.291321	hyper	sig	chr10_104639742
chr5	1.41E+08	141430853	+	4.772E-14	5.5791E-13	0.231255	hyper	sig	chr5_141430853
chr20	63103647	63103647	+	4.772E-14	5.5792E-13	-0.28623	hypo	sig	chr20_63103647
chr16	85004976	85004976	+	4.774E-14	5.5811E-13	0.200783	hyper	sig	chr16_85004976
chr12	1.33E+08	132606361	+	4.778E-14	5.5862E-13	-0.26072	hypo	sig	chr12_132606361
chr5	1.41E+08	140856168	+	4.779E-14	5.5864E-13	0.25435	hyper	sig	chr5_140856168
chr9	1.34E+08	133972270	+	4.783E-14	5.5915E-13	-0.24571	hypo	sig	chr9_133972270
chr13	36346618	36346618	+	4.785E-14	5.594E-13	0.232888	hyper	sig	chr13_36346618
chr18	10414585	10414585	+	4.786E-14	5.5943E-13	-0.21324	hypo	sig	chr18_10414585
chr11	64759750	64759750	+	4.787E-14	5.5954E-13	0.202294	hyper	sig	chr11_64759750

chr8	1.01E+08	101078059	+	4.788E-14	5.5962E-13	-0.25854	hypo	sig	chr8_101078059
chr8	46407307	46407307	+	4.79E-14	5.5987E-13	-0.27411	hypo	sig	chr8_46407307
chr13	98474853	98474853	+	4.791E-14	5.5996E-13	-0.22637	hypo	sig	chr13_98474853
chr18	26865276	26865276	+	4.794E-14	5.6032E-13	-0.21612	hypo	sig	chr18_26865276
chr2	1.2E+08	119523985	+	4.794E-14	5.6032E-13	0.302756	hyper	sig	chr2_119523985
chr1	1.15E+08	115286394	+	4.797E-14	5.6064E-13	-0.24855	hypo	sig	chr1_115286394
chr19	1908212	1908212	+	4.798E-14	5.6075E-13	-0.25194	hypo	sig	chr19_1908212
chr5	1239556	1239556	+	4.799E-14	5.6095E-13	-0.21556	hypo	sig	chr5_1239556
chr19	35774767	35774767	+	4.801E-14	5.6114E-13	-0.25472	hypo	sig	chr19_35774767
chr5	1.73E+08	173228972	+	4.802E-14	5.6126E-13	0.221206	hyper	sig	chr5_173228972
chr4	6727228	6727228	+	4.804E-14	5.6146E-13	0.259122	hyper	sig	chr4_6727228
chr5	1667834	1667834	+	4.806E-14	5.6167E-13	0.219536	hyper	sig	chr5_1667834
chr9	1.31E+08	131095052	+	4.806E-14	5.6167E-13	-0.22882	hypo	sig	chr9_131095052
chr13	1.12E+08	111962755	+	4.808E-14	5.6187E-13	-0.30023	hypo	sig	chr13_111962755
chr11	32428951	32428951	+	4.808E-14	5.6188E-13	0.241436	hyper	sig	chr11_32428951
chr14	95903506	95903506	+	4.808E-14	5.619E-13	-0.20016	hypo	sig	chr14_95903506
chr16	89818967	89818967	+	4.809E-14	5.62E-13	-0.28261	hypo	sig	chr16_89818967
chr13	23127834	23127834	+	4.811E-14	5.6225E-13	-0.26102	hypo	sig	chr13_23127834
chr10	50674898	50674898	+	4.817E-14	5.6285E-13	-0.21441	hypo	sig	chr10_50674898
chr21	29079077	29079077	+	4.819E-14	5.6315E-13	-0.21722	hypo	sig	chr21_29079077
chr11	20163605	20163605	+	4.82E-14	5.6321E-13	0.299165	hyper	sig	chr11_20163605
chr13	22884212	22884212	+	4.821E-14	5.6334E-13	-0.21798	hypo	sig	chr13_22884212
chr12	49544303	49544303	+	4.822E-14	5.634E-13	0.353868	hyper	sig	chr12_49544303
chr4	1.25E+08	125317052	+	4.822E-14	5.6343E-13	0.270465	hyper	sig	chr4_125317052
chr5	1.46E+08	146334094	+	4.825E-14	5.6376E-13	0.26171	hyper	sig	chr5_146334094
chr12	26196479	26196479	+	4.827E-14	5.6405E-13	0.255741	hyper	sig	chr12_26196479
chr1	39883976	39883976	+	4.828E-14	5.6409E-13	-0.21865	hypo	sig	chr1_39883976
chr1	3673430	3673430	+	4.83E-14	5.6436E-13	-0.26255	hypo	sig	chr1_3673430
chr18	4455628	4455628	+	4.831E-14	5.6446E-13	0.210116	hyper	sig	chr18_4455628
chr1	2.47E+08	246697114	+	4.832E-14	5.6458E-13	-0.23142	hypo	sig	chr1_246697114
chr3	58440071	58440071	+	4.833E-14	5.6465E-13	-0.25524	hypo	sig	chr3_58440071
chr7	38311337	38311337	+	4.836E-14	5.6494E-13	0.242594	hyper	sig	chr7_38311337
chr4	54109999	54109999	+	4.837E-14	5.6507E-13	0.268065	hyper	sig	chr4_54109999
chr19	58059210	58059210	+	4.838E-14	5.6514E-13	0.378962	hyper	sig	chr19_58059210
chr10	1.24E+08	124091665	+	4.839E-14	5.653E-13	0.257014	hyper	sig	chr10_124091665
chr11	77145135	77145135	+	4.84E-14	5.6538E-13	-0.27194	hypo	sig	chr11_77145135
chr17	4900875	4900875	+	4.841E-14	5.6553E-13	0.307564	hyper	sig	chr17_4900875
chr5	1.41E+08	140830343	+	4.843E-14	5.6573E-13	0.277541	hyper	sig	chr5_140830343
chr13	36155129	36155129	+	4.844E-14	5.6588E-13	0.318406	hyper	sig	chr13_36155129
chr17	8056589	8056589	+	4.844E-14	5.6588E-13	-0.23067	hypo	sig	chr17_8056589
chr2	63056893	63056893	+	4.847E-14	5.6623E-13	0.220129	hyper	sig	chr2_63056893
chr4	1.47E+08	146636937	+	4.848E-14	5.6627E-13	0.31562	hyper	sig	chr4_146636937
chr14	36513444	36513444	+	4.851E-14	5.6658E-13	0.201475	hyper	sig	chr14_36513444
chr17	4901062	4901062	+	4.851E-14	5.666E-13	0.251478	hyper	sig	chr17_4901062
chr11	85934726	85934726	+	4.851E-14	5.666E-13	0.286842	hyper	sig	chr11_85934726
chr6	1.66E+08	165819513	+	4.852E-14	5.6668E-13	0.203794	hyper	sig	chr6_165819513
chr7	27147365	27147365	+	4.856E-14	5.6721E-13	0.238047	hyper	sig	chr7_27147365
chr20	63824153	63824153	+	4.859E-14	5.6747E-13	-0.2842	hypo	sig	chr20_63824153
chr7	1.51E+08	150720327	+	4.861E-14	5.6774E-13	-0.26702	hypo	sig	chr7_150720327
chr9	62798941	62798941	+	4.861E-14	5.6775E-13	0.201273	hyper	sig	chr9_62798941
chr13	1.12E+08	112069907	+	4.862E-14	5.6778E-13	0.369952	hyper	sig	chr13_112069907
chr7	1753271	1753271	+	4.862E-14	5.6784E-13	-0.30095	hypo	sig	chr7_1753271
chr11	64341563	64341563	+	4.863E-14	5.6795E-13	0.215445	hyper	sig	chr11_64341563
chr4	1.87E+08	186706593	+	4.864E-14	5.6798E-13	-0.22926	hypo	sig	chr4_186706593
chr4	1.9E+08	189644782	+	4.866E-14	5.6825E-13	-0.20757	hypo	sig	chr4_189644782
chr5	1.41E+08	141383687	+	4.866E-14	5.6828E-13	0.223346	hyper	sig	chr5_141383687

chr14	60511557	60511557	+	4.867E-14	5.684E-13	0.221424	hyper	sig	chr14_60511557
chr5	55220744	55220744	+	4.871E-14	5.6882E-13	0.228426	hyper	sig	chr5_55220744
chr19	13016855	13016855	+	4.874E-14	5.691E-13	0.315336	hyper	sig	chr19_13016855
chr5	1.41E+08	141345644	+	4.874E-14	5.6916E-13	0.238924	hyper	sig	chr5_141345644
chr16	841830	841830	+	4.879E-14	5.6968E-13	-0.3074	hypo	sig	chr16_841830
chr1	63320222	63320222	+	4.881E-14	5.6992E-13	0.278572	hyper	sig	chr1_63320222
chr3	27728948	27728948	+	4.881E-14	5.6993E-13	0.231108	hyper	sig	chr3_27728948
chr12	80707695	80707695	+	4.887E-14	5.7059E-13	-0.20098	hypo	sig	chr12_80707695
chr6	1.08E+08	108165896	+	4.889E-14	5.7076E-13	0.203137	hyper	sig	chr6_108165896
chr15	95327092	95327092	+	4.889E-14	5.7078E-13	0.236775	hyper	sig	chr15_95327092
chr6	39793032	39793032	+	4.889E-14	5.7085E-13	0.243539	hyper	sig	chr6_39793032
chr7	1.52E+08	151736254	+	4.891E-14	5.7103E-13	0.23342	hyper	sig	chr7_151736254
chr14	92514832	92514832	+	4.892E-14	5.7115E-13	0.210903	hyper	sig	chr14_92514832
chr7	1883174	1883174	+	4.894E-14	5.7138E-13	-0.24549	hypo	sig	chr7_1883174
chr19	3369727	3369727	+	4.898E-14	5.718E-13	0.298515	hyper	sig	chr19_3369727
chr12	1.13E+08	113479903	+	4.9E-14	5.7207E-13	0.255128	hyper	sig	chr12_113479903
chr12	54090591	54090591	+	4.903E-14	5.7233E-13	0.313836	hyper	sig	chr12_54090591
chr16	86300355	86300355	+	4.904E-14	5.7244E-13	0.210603	hyper	sig	chr16_86300355
chr12	1.17E+08	116882208	+	4.906E-14	5.7269E-13	0.21737	hyper	sig	chr12_116882208
chr3	13072998	13072998	+	4.91E-14	5.7307E-13	0.253701	hyper	sig	chr3_13072998
chr3	14564299	14564299	+	4.91E-14	5.7315E-13	-0.31505	hypo	sig	chr3_14564299
chr9	841574	841574	+	4.913E-14	5.7339E-13	0.20913	hyper	sig	chr9_841574
chr14	24311472	24311472	+	4.916E-14	5.738E-13	0.215863	hyper	sig	chr14_24311472
chr11	64555984	64555984	+	4.917E-14	5.7388E-13	-0.24235	hypo	sig	chr11_64555984
chr12	1.15E+08	114700193	+	4.925E-14	5.7478E-13	0.257838	hyper	sig	chr12_114700193
chr17	42783953	42783953	+	4.925E-14	5.7484E-13	0.269114	hyper	sig	chr17_42783953
chr5	93588404	93588404	+	4.929E-14	5.752E-13	0.284158	hyper	sig	chr5_93588404
chr3	1.97E+08	196536511	+	4.932E-14	5.7562E-13	-0.26482	hypo	sig	chr3_196536511
chr14	77319441	77319441	+	4.933E-14	5.7565E-13	0.201609	hyper	sig	chr14_77319441
chr6	31571958	31571958	+	4.933E-14	5.757E-13	-0.22621	hypo	sig	chr6_31571958
chr4	1533997	1533997	+	4.943E-14	5.7677E-13	0.256917	hyper	sig	chr4_1533997
chr6	26017711	26017711	+	4.943E-14	5.7677E-13	0.301358	hyper	sig	chr6_26017711
chr10	1.3E+08	130046702	+	4.944E-14	5.7687E-13	-0.24271	hypo	sig	chr10_130046702
chr6	7053501	7053501	+	4.944E-14	5.7693E-13	-0.25685	hypo	sig	chr6_7053501
chr7	1.58E+08	157775519	+	4.947E-14	5.773E-13	-0.26129	hypo	sig	chr7_157775519
chr11	64742153	64742153	+	4.955E-14	5.7818E-13	-0.21198	hypo	sig	chr11_64742153
chr11	22193124	22193124	+	4.955E-14	5.782E-13	0.223095	hyper	sig	chr11_22193124
chr6	30071458	30071458	+	4.955E-14	5.782E-13	0.274935	hyper	sig	chr6_30071458
chr10	51389483	51389483	+	4.959E-14	5.7863E-13	-0.26006	hypo	sig	chr10_51389483
chr6	13014744	13014744	+	4.961E-14	5.7878E-13	0.21476	hyper	sig	chr6_13014744
chr13	1.12E+08	112169413	+	4.964E-14	5.7914E-13	-0.24903	hypo	sig	chr13_112169413
chr4	1.33E+08	133148081	+	4.968E-14	5.7956E-13	0.214927	hyper	sig	chr4_133148081
chr7	1288991	1288991	+	4.969E-14	5.7974E-13	-0.20291	hypo	sig	chr7_1288991
chr16	88967397	88967397	+	4.974E-14	5.803E-13	-0.23675	hypo	sig	chr16_88967397
chr22	19729153	19729153	+	4.979E-14	5.8087E-13	-0.26198	hypo	sig	chr22_19729153
chr4	1.55E+08	155209016	+	4.981E-14	5.811E-13	0.27326	hyper	sig	chr4_155209016
chr1	8328477	8328477	+	4.982E-14	5.8116E-13	-0.24047	hypo	sig	chr1_8328477
chr7	1.57E+08	157498743	+	4.982E-14	5.8122E-13	-0.21127	hypo	sig	chr7_157498743
chr2	44930238	44930238	+	4.984E-14	5.8141E-13	0.24398	hyper	sig	chr2_44930238
chr10	1.33E+08	133271930	+	4.984E-14	5.8145E-13	-0.31706	hypo	sig	chr10_133271930
chr9	1.24E+08	124013286	+	4.987E-14	5.8172E-13	0.267281	hyper	sig	chr9_124013286
chr13	76191233	76191233	+	4.989E-14	5.8193E-13	-0.36528	hypo	sig	chr13_76191233
chr16	1027636	1027636	+	4.99E-14	5.8207E-13	-0.283	hypo	sig	chr16_1027636
chr1	16173117	16173117	+	4.993E-14	5.8245E-13	-0.3043	hypo	sig	chr1_16173117
chr17	49836250	49836250	+	5.001E-14	5.8327E-13	-0.22492	hypo	sig	chr17_49836250
chr1	2.28E+08	228287791	+	5.001E-14	5.8329E-13	-0.2054	hypo	sig	chr1_228287791

chr9	1.34E+08	133972321	+	5.001E-14	5.8329E-13	-0.2449	hypo	sig	chr9_133972321
chr19	2546974	2546974	+	5.002E-14	5.8333E-13	-0.22933	hypo	sig	chr19_2546974
chr18	4454577	4454577	+	5.002E-14	5.8342E-13	0.215278	hyper	sig	chr18_4454577
chr1	2.01E+08	201400597	+	5.004E-14	5.8362E-13	-0.26425	hypo	sig	chr1_201400597
chr12	1.14E+08	113669957	+	5.005E-14	5.837E-13	0.231899	hyper	sig	chr12_113669957
chr16	29285363	29285363	+	5.005E-14	5.8371E-13	-0.22761	hypo	sig	chr16_29285363
chr12	52258941	52258941	+	5.005E-14	5.8371E-13	0.288241	hyper	sig	chr12_52258941
chr7	927350	927350	+	5.006E-14	5.8374E-13	-0.21845	hypo	sig	chr7_927350
chr4	72032016	72032016	+	5.009E-14	5.841E-13	0.277099	hyper	sig	chr4_72032016
chr7	1.57E+08	157485347	+	5.009E-14	5.8415E-13	-0.26355	hypo	sig	chr7_157485347
chr2	1.71E+08	170815098	+	5.014E-14	5.8465E-13	0.216476	hyper	sig	chr2_170815098
chr1	9996771	9996771	+	5.016E-14	5.8486E-13	-0.24956	hypo	sig	chr1_9996771
chr7	73435658	73435658	+	5.016E-14	5.8491E-13	-0.23249	hypo	sig	chr7_73435658
chr4	5050815	5050815	+	5.018E-14	5.8512E-13	0.224743	hyper	sig	chr4_5050815
chr13	36430970	36430970	+	5.019E-14	5.8525E-13	0.205888	hyper	sig	chr13_36430970
chr7	1.51E+08	151390992	+	5.02E-14	5.8532E-13	-0.3729	hypo	sig	chr7_151390992
chr7	1.02E+08	102300706	+	5.022E-14	5.8555E-13	0.345351	hyper	sig	chr7_102300706
chr17	81255276	81255276	+	5.029E-14	5.8633E-13	0.22805	hyper	sig	chr17_81255276
chr4	1.84E+08	184017198	+	5.03E-14	5.8638E-13	0.227746	hyper	sig	chr4_184017198
chr1	2.21E+08	220877423	+	5.032E-14	5.8665E-13	0.242575	hyper	sig	chr1_220877423
chr1	2.24E+08	224175710	+	5.033E-14	5.8676E-13	0.343887	hyper	sig	chr1_224175710
chr7	48455552	48455552	+	5.035E-14	5.87E-13	0.279053	hyper	sig	chr7_48455552
chr18	78311669	78311669	+	5.036E-14	5.8707E-13	-0.2422	hypo	sig	chr18_78311669
chr8	98973654	98973654	+	5.037E-14	5.8716E-13	0.249535	hyper	sig	chr8_98973654
chr10	1.29E+08	129032683	+	5.037E-14	5.8719E-13	0.225929	hyper	sig	chr10_129032683
chr1	1.48E+08	148328995	+	5.041E-14	5.8768E-13	0.202805	hyper	sig	chr1_148328995
chr11	1.17E+08	117181667	+	5.042E-14	5.8772E-13	0.278038	hyper	sig	chr11_117181667
chr16	88101458	88101458	+	5.046E-14	5.8823E-13	0.273206	hyper	sig	chr16_88101458
chr8	1.42E+08	142250548	+	5.048E-14	5.884E-13	0.204318	hyper	sig	chr8_142250548
chr19	58562130	58562130	+	5.049E-14	5.8854E-13	0.283486	hyper	sig	chr19_58562130
chr13	21319379	21319379	+	5.052E-14	5.8883E-13	0.275992	hyper	sig	chr13_21319379
chr10	52308860	52308860	+	5.058E-14	5.8958E-13	0.257486	hyper	sig	chr10_52308860
chr19	40611190	40611190	+	5.061E-14	5.8989E-13	-0.24977	hypo	sig	chr19_40611190
chr1	2.05E+08	205456098	+	5.061E-14	5.8991E-13	0.213219	hyper	sig	chr1_205456098
chr1	38047923	38047923	+	5.062E-14	5.8992E-13	0.255783	hyper	sig	chr1_38047923
chr19	19261091	19261091	+	5.062E-14	5.8998E-13	0.257759	hyper	sig	chr19_19261091
chr4	92305840	92305840	+	5.062E-14	5.8998E-13	0.257277	hyper	sig	chr4_92305840
chr12	57727221	57727221	+	5.066E-14	5.904E-13	0.307386	hyper	sig	chr12_57727221
chr2	2.34E+08	233729599	+	5.068E-14	5.9066E-13	-0.23575	hypo	sig	chr2_233729599
chr5	1.41E+08	141096179	+	5.073E-14	5.9121E-13	0.280778	hyper	sig	chr5_141096179
chr3	62368098	62368098	+	5.074E-14	5.9129E-13	0.257147	hyper	sig	chr3_62368098
chr11	1.23E+08	122976573	+	5.075E-14	5.9143E-13	0.297178	hyper	sig	chr11_122976573
chr12	94874105	94874105	+	5.077E-14	5.916E-13	0.21455	hyper	sig	chr12_94874105
chr6	33205342	33205342	+	5.078E-14	5.9173E-13	-0.21806	hypo	sig	chr6_33205342
chr1	22559147	22559147	+	5.078E-14	5.9176E-13	-0.24214	hypo	sig	chr1_22559147
chr8	1E+08	100216220	+	5.079E-14	5.9179E-13	0.218607	hyper	sig	chr8_100216220
chr3	10994807	10994807	+	5.08E-14	5.9189E-13	-0.24789	hypo	sig	chr3_10994807
chr3	1.61E+08	160757340	+	5.08E-14	5.9189E-13	0.227425	hyper	sig	chr3_160757340
chr16	88898416	88898416	+	5.082E-14	5.9223E-13	-0.25598	hypo	sig	chr16_88898416
chr11	2088460	2088460	+	5.084E-14	5.9236E-13	-0.24503	hypo	sig	chr11_2088460
chr16	66923564	66923564	+	5.084E-14	5.9242E-13	0.269459	hyper	sig	chr16_66923564
chr11	65047677	65047677	+	5.085E-14	5.9252E-13	0.27592	hyper	sig	chr11_65047677
chr7	1.3E+08	129778233	+	5.086E-14	5.9261E-13	0.294342	hyper	sig	chr7_129778233
chr17	2071995	2071995	+	5.088E-14	5.9287E-13	0.296296	hyper	sig	chr17_2071995
chr7	1.55E+08	155372920	+	5.088E-14	5.9287E-13	0.242873	hyper	sig	chr7_155372920
chr22	25179485	25179485	+	5.089E-14	5.9292E-13	0.207504	hyper	sig	chr22_25179485

chr6	3023644	3023644	+	5.09E-14	5.9303E-13	-0.21325	hypo	sig	chr6_3023644
chr19	1503309	1503309	+	5.091E-14	5.9313E-13	0.223428	hyper	sig	chr19_1503309
chr14	76408075	76408075	+	5.093E-14	5.9338E-13	-0.24948	hypo	sig	chr14_76408075
chr11	1.19E+08	118689201	+	5.097E-14	5.9384E-13	0.225312	hyper	sig	chr11_118689201
chr20	20199834	20199834	+	5.098E-14	5.9391E-13	0.265491	hyper	sig	chr20_20199834
chr20	60090656	60090656	+	5.099E-14	5.9397E-13	0.245444	hyper	sig	chr20_60090656
chr2	2.39E+08	239311543	+	5.101E-14	5.9422E-13	0.275923	hyper	sig	chr2_239311543
chr16	1002794	1002794	+	5.102E-14	5.9434E-13	-0.24871	hypo	sig	chr16_1002794
chr4	41879394	41879394	+	5.104E-14	5.9455E-13	0.237037	hyper	sig	chr4_41879394
chr5	73420100	73420100	+	5.104E-14	5.9458E-13	0.241984	hyper	sig	chr5_73420100
chr5	1.41E+08	141345569	+	5.108E-14	5.9498E-13	0.267856	hyper	sig	chr5_141345569
chr16	3365309	3365309	+	5.112E-14	5.9542E-13	0.234317	hyper	sig	chr16_3365309
chr3	14811322	14811322	+	5.113E-14	5.9557E-13	0.286762	hyper	sig	chr3_14811322
chr4	89836419	89836419	+	5.113E-14	5.9557E-13	0.20551	hyper	sig	chr4_89836419
chr7	1.57E+08	157078487	+	5.114E-14	5.9563E-13	0.261686	hyper	sig	chr7_157078487
chr15	47184251	47184251	+	5.114E-14	5.9568E-13	0.200287	hyper	sig	chr15_47184251
chr11	67372121	67372121	+	5.114E-14	5.957E-13	0.211845	hyper	sig	chr11_67372121
chr6	31143401	31143401	+	5.116E-14	5.9589E-13	0.22855	hyper	sig	chr6_31143401
chr12	1.2E+08	120397858	+	5.116E-14	5.9591E-13	0.262437	hyper	sig	chr12_120397858
chr7	1.5E+08	150047999	+	5.116E-14	5.9591E-13	0.248984	hyper	sig	chr7_150047999
chr5	1.71E+08	170639537	+	5.121E-14	5.9646E-13	-0.21892	hypo	sig	chr5_170639537
chr12	1.25E+08	124549390	+	5.124E-14	5.9681E-13	0.257339	hyper	sig	chr12_124549390
chr6	1.08E+08	108174745	+	5.13E-14	5.9741E-13	0.234418	hyper	sig	chr6_108174745
chr19	831476	831476	+	5.132E-14	5.9773E-13	-0.33047	hypo	sig	chr19_831476
chr11	2826438	2826438	+	5.133E-14	5.9775E-13	0.245181	hyper	sig	chr11_2826438
chr6	1.06E+08	105986390	+	5.134E-14	5.9793E-13	0.284477	hyper	sig	chr6_105986390
chr5	1.41E+08	140848602	+	5.139E-14	5.9845E-13	0.228598	hyper	sig	chr5_140848602
chr9	85523057	85523057	+	5.139E-14	5.9845E-13	0.205131	hyper	sig	chr9_85523057
chr10	1.33E+08	133226552	+	5.144E-14	5.9906E-13	-0.23988	hypo	sig	chr10_133226552
chr1	1956970	1956970	+	5.146E-14	5.9929E-13	-0.21393	hypo	sig	chr1_1956970
chr19	1005423	1005423	+	5.151E-14	5.9975E-13	-0.21284	hypo	sig	chr19_1005423
chr2	2.09E+08	209145400	+	5.151E-14	5.9975E-13	-0.24766	hypo	sig	chr2_209145400
chr10	26212098	26212098	+	5.151E-14	5.998E-13	0.283243	hyper	sig	chr10_26212098
chr1	1.57E+08	156845783	+	5.157E-14	6.0046E-13	0.242785	hyper	sig	chr1_156845783
chr11	1.16E+08	115660201	+	5.163E-14	6.0116E-13	0.205611	hyper	sig	chr11_115660201
chr13	1.14E+08	114110735	+	5.165E-14	6.0138E-13	-0.29664	hypo	sig	chr13_114110735
chr11	17720600	17720600	+	5.165E-14	6.0139E-13	0.309791	hyper	sig	chr11_17720600
chr13	1.14E+08	114049663	+	5.173E-14	6.0228E-13	-0.24969	hypo	sig	chr13_114049663
chr18	47932905	47932905	+	5.173E-14	6.0228E-13	-0.21064	hypo	sig	chr18_47932905
chr17	78505280	78505280	+	5.175E-14	6.025E-13	-0.25177	hypo	sig	chr17_78505280
chr3	1.82E+08	181703767	+	5.177E-14	6.0269E-13	0.232908	hyper	sig	chr3_181703767
chr3	27720927	27720927	+	5.178E-14	6.0273E-13	0.240587	hyper	sig	chr3_27720927
chr5	1.41E+08	140836557	+	5.179E-14	6.0294E-13	0.227592	hyper	sig	chr5_140836557
chr1	1.09E+08	109281851	+	5.181E-14	6.0313E-13	0.23818	hyper	sig	chr1_109281851
chr12	49847175	49847175	+	5.184E-14	6.0339E-13	-0.20629	hypo	sig	chr12_49847175
chr22	46390971	46390971	+	5.185E-14	6.0353E-13	-0.29564	hypo	sig	chr22_46390971
chr4	386726	386726	+	5.187E-14	6.0377E-13	0.248297	hyper	sig	chr4_386726
chr1	11654191	11654191	+	5.189E-14	6.0405E-13	0.272099	hyper	sig	chr1_11654191
chr19	39891785	39891785	+	5.191E-14	6.0423E-13	0.227764	hyper	sig	chr19_39891785
chr5	1.41E+08	141423033	+	5.193E-14	6.0445E-13	0.294504	hyper	sig	chr5_141423033
chr22	48577070	48577070	+	5.195E-14	6.0461E-13	0.253135	hyper	sig	chr22_48577070
chr9	1.13E+08	113375848	+	5.195E-14	6.0466E-13	-0.27044	hypo	sig	chr9_113375848
chr2	47571377	47571377	+	5.197E-14	6.0491E-13	0.205189	hyper	sig	chr2_47571377
chr6	1.68E+08	167797483	+	5.199E-14	6.0511E-13	-0.25382	hypo	sig	chr6_167797483
chr13	99958768	99958768	+	5.201E-14	6.0533E-13	0.24945	hyper	sig	chr13_99958768
chr11	92882730	92882730	+	5.206E-14	6.059E-13	-0.31741	hypo	sig	chr11_92882730

chr1	1.65E+08	165354495	+	5.207E-14	6.0603E-13	0.279047	hyper	sig	chr1_165354495
chr19	58217181	58217181	+	5.211E-14	6.0646E-13	0.267612	hyper	sig	chr19_58217181
chr6	1.7E+08	170179066	+	5.212E-14	6.0648E-13	-0.22553	hypo	sig	chr6_170179066
chr3	1.61E+08	160757314	+	5.213E-14	6.0658E-13	0.220394	hyper	sig	chr3_160757314
chr17	35766658	35766658	+	5.213E-14	6.066E-13	-0.22629	hypo	sig	chr17_35766658
chr15	67175378	67175378	+	5.216E-14	6.0697E-13	-0.21437	hypo	sig	chr15_67175378
chr10	23203849	23203849	+	5.218E-14	6.0716E-13	0.278193	hyper	sig	chr10_23203849
chr2	25822375	25822375	+	5.224E-14	6.0787E-13	0.226925	hyper	sig	chr2_25822375
chr19	755250	755250	+	5.225E-14	6.0796E-13	-0.24743	hypo	sig	chr19_755250
chr11	1.23E+08	123303061	+	5.225E-14	6.0798E-13	-0.32764	hypo	sig	chr11_123303061
chr14	24340553	24340553	+	5.23E-14	6.0848E-13	-0.21909	hypo	sig	chr14_24340553
chr7	30770931	30770931	+	5.23E-14	6.0849E-13	-0.21537	hypo	sig	chr7_30770931
chr16	87067366	87067366	+	5.233E-14	6.0887E-13	-0.25285	hypo	sig	chr16_87067366
chr7	1E+08	100110007	+	5.238E-14	6.0936E-13	0.216368	hyper	sig	chr7_100110007
chr22	36282424	36282424	+	5.238E-14	6.0941E-13	0.356337	hyper	sig	chr22_36282424
chr10	1.33E+08	133083240	+	5.242E-14	6.0986E-13	0.314587	hyper	sig	chr10_133083240
chr3	1.47E+08	147412749	+	5.244E-14	6.1006E-13	0.298575	hyper	sig	chr3_147412749
chr7	3880462	3880462	+	5.246E-14	6.1024E-13	-0.21688	hypo	sig	chr7_3880462
chr17	74446964	74446964	+	5.246E-14	6.1031E-13	-0.20265	hypo	sig	chr17_74446964
chr3	1.64E+08	164004420	+	5.246E-14	6.1031E-13	-0.23485	hypo	sig	chr3_164004420
chr6	1.08E+08	108165868	+	5.252E-14	6.1096E-13	0.212894	hyper	sig	chr6_108165868
chr19	48741358	48741358	+	5.253E-14	6.1106E-13	-0.23513	hypo	sig	chr19_48741358
chr4	1.21E+08	121380545	+	5.255E-14	6.1124E-13	0.247772	hyper	sig	chr4_121380545
chr10	1.32E+08	131519428	+	5.258E-14	6.1165E-13	0.260894	hyper	sig	chr10_131519428
chr6	30883200	30883200	+	5.26E-14	6.1191E-13	-0.2225	hypo	sig	chr6_30883200
chr21	44329460	44329460	+	5.263E-14	6.1219E-13	-0.23093	hypo	sig	chr21_44329460
chr7	37448626	37448626	+	5.266E-14	6.1248E-13	0.284789	hyper	sig	chr7_37448626
chr7	27249622	27249622	+	5.268E-14	6.127E-13	0.235774	hyper	sig	chr7_27249622
chr2	1.71E+08	170717371	+	5.268E-14	6.128E-13	0.255572	hyper	sig	chr2_170717371
chr4	55157722	55157722	+	5.269E-14	6.129E-13	0.25555	hyper	sig	chr4_55157722
chr10	1.33E+08	132817719	+	5.271E-14	6.1305E-13	-0.28959	hypo	sig	chr10_132817719
chr2	26942645	26942645	+	5.274E-14	6.1345E-13	0.275282	hyper	sig	chr2_26942645
chr2	2.42E+08	242012028	+	5.276E-14	6.136E-13	-0.25619	hypo	sig	chr2_242012028
chr17	500028	500028	+	5.277E-14	6.1373E-13	-0.25659	hypo	sig	chr17_500028
chr17	40355615	40355615	+	5.28E-14	6.141E-13	0.253122	hyper	sig	chr17_40355615
chr2	58428905	58428905	+	5.283E-14	6.1436E-13	0.261603	hyper	sig	chr2_58428905
chr9	88992158	88992158	+	5.286E-14	6.1474E-13	0.24624	hyper	sig	chr9_88992158
chr7	32070906	32070906	+	5.289E-14	6.1507E-13	0.21659	hyper	sig	chr7_32070906
chr11	68354038	68354038	+	5.29E-14	6.1518E-13	0.241838	hyper	sig	chr11_68354038
chr2	31580993	31580993	+	5.291E-14	6.1533E-13	0.335223	hyper	sig	chr2_31580993
chr9	39132576	39132576	+	5.292E-14	6.1535E-13	-0.26293	hypo	sig	chr9_39132576
chr1	1.57E+08	156849302	+	5.293E-14	6.1552E-13	0.255989	hyper	sig	chr1_156849302
chr3	1.47E+08	147396661	+	5.295E-14	6.157E-13	0.262479	hyper	sig	chr3_147396661
chr22	30266893	30266893	+	5.298E-14	6.1607E-13	-0.31598	hypo	sig	chr22_30266893
chr11	1339010	1339010	+	5.311E-14	6.1758E-13	-0.21232	hypo	sig	chr11_1339010
chr5	1.41E+08	141410234	+	5.313E-14	6.1773E-13	0.245541	hyper	sig	chr5_141410234
chr19	10451839	10451839	+	5.315E-14	6.1792E-13	-0.25133	hypo	sig	chr19_10451839
chr19	14085831	14085831	+	5.315E-14	6.1801E-13	0.425232	hyper	sig	chr19_14085831
chr13	1.13E+08	112941977	+	5.318E-14	6.1833E-13	-0.2787	hypo	sig	chr13_112941977
chr5	88889581	88889581	+	5.325E-14	6.1911E-13	0.276935	hyper	sig	chr5_88889581
chr1	1.47E+08	147051075	+	5.326E-14	6.1917E-13	-0.35064	hypo	sig	chr1_147051075
chr5	76951854	76951854	+	5.327E-14	6.1925E-13	-0.21511	hypo	sig	chr5_76951854
chr16	49278582	49278582	+	5.327E-14	6.193E-13	0.298654	hyper	sig	chr16_49278582
chr5	37838769	37838769	+	5.332E-14	6.1986E-13	0.263551	hyper	sig	chr5_37838769
chr5	1974017	1974017	+	5.332E-14	6.199E-13	-0.27415	hypo	sig	chr5_1974017
chr6	19691780	19691780	+	5.334E-14	6.2003E-13	0.227979	hyper	sig	chr6_19691780

chr3	1.96E+08	195804782	+	5.342E-14	6.2092E-13	-0.21708	hypo	sig	chr3_195804782
chr20	61293306	61293306	+	5.342E-14	6.2098E-13	-0.34638	hypo	sig	chr20_61293306
chr17	80465752	80465752	+	5.343E-14	6.2111E-13	-0.28599	hypo	sig	chr17_80465752
chr5	1.35E+08	135494153	+	5.345E-14	6.2128E-13	-0.25178	hypo	sig	chr5_135494153
chr17	77309640	77309640	+	5.349E-14	6.2176E-13	0.241354	hyper	sig	chr17_77309640
chr10	1.01E+08	101218331	+	5.35E-14	6.2183E-13	0.245666	hyper	sig	chr10_101218331
chr6	1.06E+08	105993581	+	5.35E-14	6.2183E-13	0.241592	hyper	sig	chr6_105993581
chr11	1.3E+08	130160501	+	5.351E-14	6.2193E-13	-0.25081	hypo	sig	chr11_130160501
chr16	29310976	29310976	+	5.354E-14	6.2233E-13	-0.22462	hypo	sig	chr16_29310976
chr11	65607498	65607498	+	5.357E-14	6.2268E-13	0.220488	hyper	sig	chr11_65607498
chr12	1.25E+08	124739055	+	5.361E-14	6.2302E-13	-0.20197	hypo	sig	chr12_124739055
chr16	89972132	89972132	+	5.363E-14	6.2327E-13	0.299428	hyper	sig	chr16_89972132
chr20	5947418	5947418	+	5.37E-14	6.2407E-13	-0.28468	hypo	sig	chr20_5947418
chr2	91443012	91443012	+	5.371E-14	6.2423E-13	0.289772	hyper	sig	chr2_91443012
chr11	1.25E+08	124920931	+	5.375E-14	6.2465E-13	0.20425	hyper	sig	chr11_124920931
chr1	2.27E+08	226637887	+	5.375E-14	6.2466E-13	0.22208	hyper	sig	chr1_226637887
chr4	993395	993395	+	5.376E-14	6.2475E-13	-0.26975	hypo	sig	chr4_993395
chr11	32088777	32088777	+	5.377E-14	6.2486E-13	-0.26606	hypo	sig	chr11_32088777
chr16	88525073	88525073	+	5.378E-14	6.25E-13	0.203607	hyper	sig	chr16_88525073
chr10	633404	633404	+	5.381E-14	6.2527E-13	0.20376	hyper	sig	chr10_633404
chr6	5995516	5995516	+	5.381E-14	6.2528E-13	0.263938	hyper	sig	chr6_5995516
chr10	7411979	7411979	+	5.382E-14	6.2543E-13	0.329732	hyper	sig	chr10_7411979
chr17	3534732	3534732	+	5.384E-14	6.2568E-13	-0.24844	hypo	sig	chr17_3534732
chr4	93834664	93834664	+	5.387E-14	6.2599E-13	0.298027	hyper	sig	chr4_93834664
chr16	29785277	29785277	+	5.388E-14	6.2608E-13	0.227039	hyper	sig	chr16_29785277
chr1	1.6E+08	160373167	+	5.388E-14	6.2609E-13	-0.23987	hypo	sig	chr1_160373167
chr14	1.03E+08	102508490	+	5.389E-14	6.2612E-13	-0.20732	hypo	sig	chr14_102508490
chr5	1243592	1243592	+	5.39E-14	6.263E-13	0.203529	hyper	sig	chr5_1243592
chr15	83283237	83283237	+	5.391E-14	6.264E-13	0.253043	hyper	sig	chr15_83283237
chr1	27350749	27350749	+	5.394E-14	6.2668E-13	0.265846	hyper	sig	chr1_27350749
chr16	89161532	89161532	+	5.398E-14	6.2721E-13	-0.22017	hypo	sig	chr16_89161532
chr7	1.58E+08	158141092	+	5.399E-14	6.2726E-13	-0.28769	hypo	sig	chr7_158141092
chr3	1.94E+08	193869805	+	5.399E-14	6.2732E-13	-0.20907	hypo	sig	chr3_193869805
chr11	93537917	93537917	+	5.4E-14	6.274E-13	-0.21587	hypo	sig	chr11_93537917
chr20	3227505	3227505	+	5.401E-14	6.2746E-13	-0.26985	hypo	sig	chr20_3227505
chr11	1.23E+08	122882357	+	5.406E-14	6.2809E-13	-0.23223	hypo	sig	chr11_122882357
chr6	1.37E+08	137492956	+	5.407E-14	6.281E-13	0.217218	hyper	sig	chr6_137492956
chr1	2.21E+08	220887592	+	5.41E-14	6.2849E-13	0.260764	hyper	sig	chr1_220887592
chr3	1.12E+08	112185995	+	5.411E-14	6.2862E-13	0.216873	hyper	sig	chr3_112185995
chr16	89090245	89090245	+	5.415E-14	6.2906E-13	-0.21811	hypo	sig	chr16_89090245
chr17	44656174	44656174	+	5.415E-14	6.2909E-13	0.367363	hyper	sig	chr17_44656174
chr3	38723544	38723544	+	5.417E-14	6.2926E-13	-0.23642	hypo	sig	chr3_38723544
chr13	99991149	99991149	+	5.418E-14	6.2933E-13	0.264925	hyper	sig	chr13_99991149
chr5	1.52E+08	151529375	+	5.421E-14	6.2965E-13	-0.22899	hypo	sig	chr5_151529375
chr19	1177661	1177661	+	5.427E-14	6.304E-13	-0.33632	hypo	sig	chr19_1177661
chr19	40226338	40226338	+	5.428E-14	6.3054E-13	0.215465	hyper	sig	chr19_40226338
chr4	1.9E+08	190020541	+	5.43E-14	6.3072E-13	0.227857	hyper	sig	chr4_190020541
chr11	1.16E+08	116357983	+	5.43E-14	6.3075E-13	0.286221	hyper	sig	chr11_116357983
chr7	5478787	5478787	+	5.433E-14	6.3106E-13	0.29789	hyper	sig	chr7_5478787
chr6	10883593	10883593	+	5.441E-14	6.32E-13	0.271622	hyper	sig	chr6_10883593
chr6	53665705	53665705	+	5.444E-14	6.3227E-13	0.277631	hyper	sig	chr6_53665705
chr10	99527907	99527907	+	5.444E-14	6.3232E-13	0.254699	hyper	sig	chr10_99527907
chr1	3227118	3227118	+	5.446E-14	6.3252E-13	0.246378	hyper	sig	chr1_3227118
chr4	1192078	1192078	+	5.448E-14	6.3268E-13	0.301628	hyper	sig	chr4_1192078
chr12	1.3E+08	129697142	+	5.448E-14	6.3268E-13	0.282113	hyper	sig	chr12_129697142
chr2	73983831	73983831	+	5.453E-14	6.3324E-13	-0.23125	hypo	sig	chr2_73983831

chr7	529970	529970	+	5.453E-14	6.3332E-13	-0.21333	hypo	sig	chr7_529970
chr11	22432765	22432765	+	5.459E-14	6.3391E-13	0.258098	hyper	sig	chr11_22432765
chr11	2266478	2266478	+	5.459E-14	6.3394E-13	-0.28129	hypo	sig	chr11_2266478
chr7	1.51E+08	150969679	+	5.461E-14	6.3417E-13	0.234669	hyper	sig	chr7_150969679
chr16	75486288	75486288	+	5.463E-14	6.3435E-13	-0.24643	hypo	sig	chr16_75486288
chr16	67164466	67164466	+	5.475E-14	6.3568E-13	0.22776	hyper	sig	chr16_67164466
chr8	26451279	26451279	+	5.478E-14	6.3598E-13	-0.24337	hypo	sig	chr8_26451279
chr8	378499	378499	+	5.478E-14	6.3601E-13	-0.26894	hypo	sig	chr8_378499
chr8	1.42E+08	142470035	+	5.48E-14	6.3631E-13	0.238732	hyper	sig	chr8_142470035
chr10	1.25E+08	125151356	+	5.481E-14	6.3639E-13	-0.20224	hypo	sig	chr10_125151356
chr2	2.06E+08	205686588	+	5.485E-14	6.368E-13	0.299808	hyper	sig	chr2_205686588
chr16	31011200	31011200	+	5.488E-14	6.371E-13	0.20855	hyper	sig	chr16_31011200
chr1	1.61E+08	161259085	+	5.496E-14	6.38E-13	0.200946	hyper	sig	chr1_161259085
chr16	594087	594087	+	5.496E-14	6.3802E-13	-0.27394	hypo	sig	chr16_594087
chr7	91266051	91266051	+	5.496E-14	6.3805E-13	0.254213	hyper	sig	chr7_91266051
chr7	1.21E+08	121328823	+	5.497E-14	6.3814E-13	0.203674	hyper	sig	chr7_121328823
chr16	509320	509320	+	5.498E-14	6.3827E-13	-0.24413	hypo	sig	chr16_509320
chr4	7250569	7250569	+	5.498E-14	6.3828E-13	0.273072	hyper	sig	chr4_7250569
chr6	34133148	34133148	+	5.504E-14	6.3888E-13	-0.22605	hypo	sig	chr6_34133148
chr1	1.52E+08	152191612	+	5.504E-14	6.3893E-13	-0.36492	hypo	sig	chr1_152191612
chr5	1.35E+08	135038963	+	5.504E-14	6.3893E-13	0.401338	hyper	sig	chr5_135038963
chr4	1.56E+08	155758958	+	5.504E-14	6.3894E-13	0.296606	hyper	sig	chr4_155758958
chr11	1193606	1193606	+	5.507E-14	6.3923E-13	-0.2893	hypo	sig	chr11_1193606
chr20	40691892	40691892	+	5.508E-14	6.3929E-13	0.298955	hyper	sig	chr20_40691892
chr16	998069	998069	+	5.51E-14	6.3957E-13	-0.29824	hypo	sig	chr16_998069
chr12	7873022	7873022	+	5.513E-14	6.399E-13	0.24237	hyper	sig	chr12_7873022
chr15	83284992	83284992	+	5.514E-14	6.4E-13	0.212183	hyper	sig	chr15_83284992
chr12	1.04E+08	104458177	+	5.521E-14	6.4082E-13	0.208022	hyper	sig	chr12_104458177
chr6	1.68E+08	168180922	+	5.526E-14	6.4134E-13	-0.20219	hypo	sig	chr6_168180922
chr11	64843680	64843680	+	5.528E-14	6.4152E-13	-0.24597	hypo	sig	chr11_64843680
chr7	20779191	20779191	+	5.528E-14	6.4152E-13	0.271397	hyper	sig	chr7_20779191
chr14	1.05E+08	105317700	+	5.531E-14	6.4189E-13	0.293803	hyper	sig	chr14_105317700
chr4	92305848	92305848	+	5.532E-14	6.4196E-13	0.239053	hyper	sig	chr4_92305848
chr4	1.33E+08	133148221	+	5.539E-14	6.4285E-13	0.236621	hyper	sig	chr4_133148221
chr4	89306812	89306812	+	5.541E-14	6.4302E-13	-0.27807	hypo	sig	chr4_89306812
chr7	2166165	2166165	+	5.545E-14	6.4352E-13	0.235461	hyper	sig	chr7_2166165
chr10	86263182	86263182	+	5.546E-14	6.4357E-13	0.213895	hyper	sig	chr10_86263182
chr19	45640975	45640975	+	5.553E-14	6.4434E-13	-0.30971	hypo	sig	chr19_45640975
chr20	46201105	46201105	+	5.555E-14	6.4457E-13	0.244434	hyper	sig	chr20_46201105
chr13	23949642	23949642	+	5.555E-14	6.4458E-13	-0.30243	hypo	sig	chr13_23949642
chr9	1.25E+08	125410470	+	5.559E-14	6.4504E-13	-0.28228	hypo	sig	chr9_125410470
chr5	320817	320817	+	5.559E-14	6.4506E-13	0.268857	hyper	sig	chr5_320817
chr3	64267941	64267941	+	5.561E-14	6.4526E-13	0.262038	hyper	sig	chr3_64267941
chr10	1.16E+08	116274421	+	5.564E-14	6.4562E-13	0.220875	hyper	sig	chr10_116274421
chr11	92225653	92225653	+	5.565E-14	6.4569E-13	0.27517	hyper	sig	chr11_92225653
chr16	1534117	1534117	+	5.567E-14	6.4591E-13	0.281769	hyper	sig	chr16_1534117
chr1	1.19E+08	118988079	+	5.567E-14	6.4594E-13	0.256461	hyper	sig	chr1_118988079
chr2	30230864	30230864	+	5.571E-14	6.4631E-13	0.242408	hyper	sig	chr2_30230864
chr2	73291584	73291584	+	5.572E-14	6.4639E-13	0.228096	hyper	sig	chr2_73291584
chr12	1.23E+08	122871015	+	5.573E-14	6.4652E-13	0.246695	hyper	sig	chr12_122871015
chr12	8018920	8018920	+	5.574E-14	6.4663E-13	0.20032	hyper	sig	chr12_8018920
chr9	1.37E+08	136994638	+	5.576E-14	6.4684E-13	0.249108	hyper	sig	chr9_136994638
chr5	1.41E+08	141409807	+	5.576E-14	6.4687E-13	0.265885	hyper	sig	chr5_141409807
chr5	1.55E+08	154937370	+	5.578E-14	6.4706E-13	-0.22717	hypo	sig	chr5_154937370
chr7	533459	533459	+	5.579E-14	6.4723E-13	-0.26577	hypo	sig	chr7_533459
chr3	1.47E+08	147405688	+	5.581E-14	6.4738E-13	0.291275	hyper	sig	chr3_147405688

chr17	50468604	50468604	+	5.589E-14	6.4835E-13	0.248447	hyper	sig	chr17_50468604
chr19	57362440	57362440	+	5.589E-14	6.4835E-13	-0.21414	hypo	sig	chr19_57362440
chr10	8037242	8037242	+	5.591E-14	6.485E-13	0.230789	hyper	sig	chr10_8037242
chr17	82875602	82875602	+	5.594E-14	6.4878E-13	-0.24574	hypo	sig	chr17_82875602
chr5	1.79E+08	178577162	+	5.596E-14	6.4901E-13	0.266844	hyper	sig	chr5_178577162
chr11	59063122	59063122	+	5.598E-14	6.4933E-13	0.277526	hyper	sig	chr11_59063122
chr3	1.25E+08	125142032	+	5.599E-14	6.4939E-13	0.214271	hyper	sig	chr3_125142032
chr15	25229521	25229521	+	5.6E-14	6.495E-13	-0.23309	hypo	sig	chr15_25229521
chr6	50843002	50843002	+	5.603E-14	6.4982E-13	0.248629	hyper	sig	chr6_50843002
chr11	20599555	20599555	+	5.607E-14	6.5026E-13	0.245135	hyper	sig	chr11_20599555
chr5	72108163	72108163	+	5.608E-14	6.5041E-13	0.225094	hyper	sig	chr5_72108163
chr7	1557743	1557743	+	5.61E-14	6.5067E-13	0.291455	hyper	sig	chr7_1557743
chr1	8212139	8212139	+	5.612E-14	6.5082E-13	-0.20106	hypo	sig	chr1_8212139
chr12	75207721	75207721	+	5.612E-14	6.5083E-13	0.273274	hyper	sig	chr12_75207721
chr20	46179004	46179004	+	5.614E-14	6.5097E-13	-0.24339	hypo	sig	chr20_46179004
chr2	1883578	1883578	+	5.621E-14	6.5189E-13	-0.29607	hypo	sig	chr2_1883578
chr16	57384464	57384464	+	5.622E-14	6.5189E-13	-0.23568	hypo	sig	chr16_57384464
chr17	77377386	77377386	+	5.622E-14	6.5195E-13	0.206492	hyper	sig	chr17_77377386
chr6	1E+08	100458344	+	5.624E-14	6.5218E-13	0.229483	hyper	sig	chr6_100458344
chr2	1.06E+08	106342749	+	5.625E-14	6.5226E-13	-0.28717	hypo	sig	chr2_106342749
chr8	70535708	70535708	+	5.636E-14	6.535E-13	-0.23516	hypo	sig	chr8_70535708
chr6	33080593	33080593	+	5.637E-14	6.5365E-13	0.332214	hyper	sig	chr6_33080593
chr4	44447671	44447671	+	5.642E-14	6.5413E-13	0.21597	hyper	sig	chr4_44447671
chr7	52668937	52668937	+	5.644E-14	6.5432E-13	-0.2079	hypo	sig	chr7_52668937
chr16	684844	684844	+	5.651E-14	6.5519E-13	-0.23292	hypo	sig	chr16_684844
chr1	36125600	36125600	+	5.651E-14	6.5519E-13	0.204814	hyper	sig	chr1_36125600
chr7	76185680	76185680	+	5.652E-14	6.5525E-13	0.219536	hyper	sig	chr7_76185680
chr17	47852307	47852307	+	5.653E-14	6.553E-13	0.228786	hyper	sig	chr17_47852307
chr16	31224280	31224280	+	5.654E-14	6.555E-13	0.31146	hyper	sig	chr16_31224280
chr7	1.57E+08	157297452	+	5.656E-14	6.5563E-13	-0.27049	hypo	sig	chr7_157297452
chr12	1.1E+08	109798727	+	5.656E-14	6.5568E-13	-0.26763	hypo	sig	chr12_109798727
chr3	1.38E+08	138097775	+	5.661E-14	6.5618E-13	-0.21955	hypo	sig	chr3_138097775
chr4	1.85E+08	185021521	+	5.661E-14	6.5618E-13	0.213704	hyper	sig	chr4_185021521
chr8	48581590	48581590	+	5.662E-14	6.5635E-13	0.297405	hyper	sig	chr8_48581590
chr20	45890155	45890155	+	5.666E-14	6.5678E-13	0.205401	hyper	sig	chr20_45890155
chr12	1.31E+08	130705067	+	5.666E-14	6.5681E-13	-0.24168	hypo	sig	chr12_130705067
chr1	90726572	90726572	+	5.674E-14	6.5764E-13	0.207408	hyper	sig	chr1_90726572
chr5	181807	181807	+	5.674E-14	6.5764E-13	-0.26643	hypo	sig	chr5_181807
chr19	2588383	2588383	+	5.676E-14	6.5786E-13	-0.20907	hypo	sig	chr19_2588383
chr12	1.24E+08	124327515	+	5.679E-14	6.5822E-13	0.276584	hyper	sig	chr12_124327515
chr1	2.22E+08	222477602	+	5.692E-14	6.5968E-13	-0.26447	hypo	sig	chr1_222477602
chr17	50468589	50468589	+	5.697E-14	6.6024E-13	0.250872	hyper	sig	chr17_50468589
chr5	1.77E+08	176673070	+	5.7E-14	6.6057E-13	-0.28276	hypo	sig	chr5_176673070
chr4	1.74E+08	173536879	+	5.706E-14	6.6123E-13	0.317562	hyper	sig	chr4_173536879
chr7	4179192	4179192	+	5.71E-14	6.6164E-13	-0.21123	hypo	sig	chr7_4179192
chr13	1.13E+08	113449297	+	5.714E-14	6.6215E-13	-0.25932	hypo	sig	chr13_113449297
chr11	69948721	69948721	+	5.721E-14	6.63E-13	-0.26287	hypo	sig	chr11_69948721
chr16	88407021	88407021	+	5.723E-14	6.6321E-13	-0.25623	hypo	sig	chr16_88407021
chr14	92946355	92946355	+	5.725E-14	6.6332E-13	-0.22122	hypo	sig	chr14_92946355
chr14	99644896	99644896	+	5.727E-14	6.6363E-13	-0.23397	hypo	sig	chr14_99644896
chr5	1875476	1875476	+	5.734E-14	6.6441E-13	0.232813	hyper	sig	chr5_1875476
chr4	663239	663239	+	5.735E-14	6.6455E-13	0.251526	hyper	sig	chr4_663239
chr1	35804609	35804609	+	5.736E-14	6.6464E-13	-0.23461	hypo	sig	chr1_35804609
chr17	76688369	76688369	+	5.738E-14	6.6478E-13	0.268823	hyper	sig	chr17_76688369
chr15	40338590	40338590	+	5.739E-14	6.6492E-13	0.265635	hyper	sig	chr15_40338590
chr10	788481	788481	+	5.745E-14	6.6562E-13	-0.24962	hypo	sig	chr10_788481

chr2	1.2E+08	120358849	+	5.748E-14	6.6595E-13	-0.23357	hypo	sig	chr2_120358849
chr17	44657137	44657137	+	5.752E-14	6.6641E-13	0.245949	hyper	sig	chr17_44657137
chr11	30584652	30584652	+	5.754E-14	6.6658E-13	0.267604	hyper	sig	chr11_30584652
chr5	6583679	6583679	+	5.755E-14	6.6667E-13	0.259191	hyper	sig	chr5_6583679
chr20	21103815	21103815	+	5.757E-14	6.669E-13	0.26717	hyper	sig	chr20_21103815
chr11	1.08E+08	107592171	+	5.758E-14	6.6704E-13	0.249542	hyper	sig	chr11_107592171
chr17	8327467	8327467	+	5.76E-14	6.6725E-13	0.261356	hyper	sig	chr17_8327467
chr10	1.3E+08	129852477	+	5.761E-14	6.6737E-13	-0.23014	hypo	sig	chr10_129852477
chr7	1323496	1323496	+	5.764E-14	6.6771E-13	0.217231	hyper	sig	chr7_1323496
chr9	96020485	96020485	+	5.767E-14	6.68E-13	0.200683	hyper	sig	chr9_96020485
chr13	1.13E+08	113417629	+	5.769E-14	6.6822E-13	-0.2321	hypo	sig	chr13_113417629
chr9	1.37E+08	136847303	+	5.77E-14	6.6836E-13	0.293415	hyper	sig	chr9_136847303
chr7	1.57E+08	157078443	+	5.771E-14	6.6842E-13	0.240604	hyper	sig	chr7_157078443
chr2	1.19E+08	118835838	+	5.779E-14	6.6931E-13	0.204437	hyper	sig	chr2_118835838
chr10	1.31E+08	131253493	+	5.782E-14	6.6971E-13	-0.26204	hypo	sig	chr10_131253493
chr2	3595133	3595133	+	5.784E-14	6.6985E-13	0.263827	hyper	sig	chr2_3595133
chr17	77403914	77403914	+	5.788E-14	6.7031E-13	0.281192	hyper	sig	chr17_77403914
chr1	39775212	39775212	+	5.79E-14	6.7058E-13	-0.22197	hypo	sig	chr1_39775212
chr4	1.24E+08	123547700	+	5.79E-14	6.7058E-13	-0.26203	hypo	sig	chr4_123547700
chr6	1E+08	100463870	+	5.794E-14	6.7102E-13	0.244989	hyper	sig	chr6_100463870
chr14	1.04E+08	104385851	+	5.795E-14	6.7109E-13	-0.34196	hypo	sig	chr14_104385851
chr10	1.3E+08	129959372	+	5.796E-14	6.7122E-13	0.232172	hyper	sig	chr10_129959372
chr4	1.47E+08	146637305	+	5.797E-14	6.713E-13	0.300819	hyper	sig	chr4_146637305
chr8	64379146	64379146	+	5.798E-14	6.714E-13	0.254477	hyper	sig	chr8_64379146
chr14	1E+08	100165402	+	5.798E-14	6.7146E-13	0.300627	hyper	sig	chr14_100165402
chr12	1.1E+08	109833228	+	5.8E-14	6.7163E-13	0.21429	hyper	sig	chr12_109833228
chr7	48455423	48455423	+	5.802E-14	6.7187E-13	-0.2604	hypo	sig	chr7_48455423
chr16	51150898	51150898	+	5.803E-14	6.7192E-13	0.256111	hyper	sig	chr16_51150898
chr14	85531175	85531175	+	5.806E-14	6.7233E-13	0.253392	hyper	sig	chr14_85531175
chr10	1.02E+08	102410881	+	5.809E-14	6.7258E-13	0.222187	hyper	sig	chr10_102410881
chr8	1.44E+08	143891474	+	5.809E-14	6.7258E-13	-0.26672	hypo	sig	chr8_143891474
chr1	46485646	46485646	+	5.809E-14	6.7261E-13	0.22658	hyper	sig	chr1_46485646
chr5	3597313	3597313	+	5.81E-14	6.7273E-13	0.357734	hyper	sig	chr5_3597313
chr2	3062748	3062748	+	5.811E-14	6.7276E-13	-0.25765	hypo	sig	chr2_3062748
chr4	785442	785442	+	5.811E-14	6.7283E-13	0.247565	hyper	sig	chr4_785442
chr18	904884	904884	+	5.814E-14	6.7306E-13	0.235957	hyper	sig	chr18_904884
chr4	1.54E+08	153781374	+	5.815E-14	6.732E-13	-0.2305	hypo	sig	chr4_153781374
chr5	1003829	1003829	+	5.818E-14	6.7356E-13	-0.2565	hypo	sig	chr5_1003829
chr5	1.39E+08	139395195	+	5.821E-14	6.7388E-13	0.340735	hyper	sig	chr5_139395195
chr2	2.42E+08	242012134	+	5.822E-14	6.7393E-13	-0.23639	hypo	sig	chr2_242012134
chr19	12090831	12090831	+	5.823E-14	6.7404E-13	0.241962	hyper	sig	chr19_12090831
chr1	3111786	3111786	+	5.825E-14	6.7431E-13	0.244359	hyper	sig	chr1_3111786
chr20	21709165	21709165	+	5.832E-14	6.7509E-13	0.316531	hyper	sig	chr20_21709165
chr15	98293142	98293142	+	5.833E-14	6.7524E-13	0.219058	hyper	sig	chr15_98293142
chr22	16602675	16602675	+	5.844E-14	6.7643E-13	0.249527	hyper	sig	chr22_16602675
chr12	48003807	48003807	+	5.849E-14	6.7704E-13	0.253242	hyper	sig	chr12_48003807
chr22	19756471	19756471	+	5.85E-14	6.7706E-13	0.224547	hyper	sig	chr22_19756471
chr12	29783072	29783072	+	5.853E-14	6.7748E-13	0.372191	hyper	sig	chr12_29783072
chr16	25691229	25691229	+	5.854E-14	6.7757E-13	0.25382	hyper	sig	chr16_25691229
chr18	2851951	2851951	+	5.857E-14	6.7783E-13	-0.23299	hypo	sig	chr18_2851951
chr9	94332682	94332682	+	5.862E-14	6.7845E-13	0.238531	hyper	sig	chr9_94332682
chr19	19228527	19228527	+	5.874E-14	6.7981E-13	-0.24316	hypo	sig	chr19_19228527
chr19	6418018	6418018	+	5.877E-14	6.801E-13	0.259648	hyper	sig	chr19_6418018
chr3	1.86E+08	186361286	+	5.877E-14	6.8013E-13	0.321369	hyper	sig	chr3_186361286
chr8	41567895	41567895	+	5.877E-14	6.8014E-13	0.246354	hyper	sig	chr8_41567895
chr10	1.21E+08	121366573	+	5.88E-14	6.8047E-13	-0.27156	hypo	sig	chr10_121366573

chr7	1240600	1240600	+	5.882E-14	6.8065E-13	0.236686	hyper	sig	chr7_1240600
chr6	10425430	10425430	+	5.886E-14	6.8114E-13	0.219444	hyper	sig	chr6_10425430
chr6	2767820	2767820	+	5.89E-14	6.8151E-13	-0.21409	hypo	sig	chr6_2767820
chr17	4785920	4785920	+	5.892E-14	6.8173E-13	0.25882	hyper	sig	chr17_4785920
chr17	45430380	45430380	+	5.893E-14	6.8188E-13	0.270825	hyper	sig	chr17_45430380
chr19	17326634	17326634	+	5.897E-14	6.8227E-13	-0.21246	hypo	sig	chr19_17326634
chr15	1.02E+08	101536951	+	5.902E-14	6.8283E-13	-0.26388	hypo	sig	chr15_101536951
chr16	7304649	7304649	+	5.905E-14	6.8325E-13	0.268232	hyper	sig	chr16_7304649
chr14	51752208	51752208	+	5.907E-14	6.8347E-13	-0.27426	hypo	sig	chr14_51752208
chr3	1.24E+08	123700863	+	5.908E-14	6.8355E-13	0.313764	hyper	sig	chr3_123700863
chr10	1.3E+08	129969910	+	5.909E-14	6.8366E-13	0.219142	hyper	sig	chr10_129969910
chr10	79382523	79382523	+	5.911E-14	6.8384E-13	0.237061	hyper	sig	chr10_79382523
chr20	21516118	21516118	+	5.919E-14	6.847E-13	0.20643	hyper	sig	chr20_21516118
chr2	86809915	86809915	+	5.923E-14	6.8515E-13	0.220189	hyper	sig	chr2_86809915
chr7	27122793	27122793	+	5.928E-14	6.8579E-13	-0.23584	hypo	sig	chr7_27122793
chr19	17329079	17329079	+	5.929E-14	6.8582E-13	0.202675	hyper	sig	chr19_17329079
chr1	1.65E+08	165235268	+	5.929E-14	6.8587E-13	0.249684	hyper	sig	chr1_165235268
chr16	55655580	55655580	+	5.935E-14	6.8656E-13	0.305093	hyper	sig	chr16_55655580
chr1	1965097	1965097	+	5.938E-14	6.8689E-13	-0.21628	hypo	sig	chr1_1965097
chr8	41195662	41195662	+	5.94E-14	6.8708E-13	-0.34316	hypo	sig	chr8_41195662
chr5	1.54E+08	154473985	+	5.944E-14	6.875E-13	0.239639	hyper	sig	chr5_154473985
chr1	2.21E+08	220885470	+	5.949E-14	6.8803E-13	0.244826	hyper	sig	chr1_220885470
chr2	2.19E+08	219444720	+	5.949E-14	6.8809E-13	0.24107	hyper	sig	chr2_219444720
chr6	1.01E+08	101400293	+	5.956E-14	6.8882E-13	-0.22742	hypo	sig	chr6_101400293
chr19	3133427	3133427	+	5.957E-14	6.8898E-13	-0.30772	hypo	sig	chr19_3133427
chr7	1.58E+08	157594669	+	5.96E-14	6.893E-13	-0.24723	hypo	sig	chr7_157594669
chr16	783272	783272	+	5.963E-14	6.896E-13	-0.22448	hypo	sig	chr16_783272
chr14	1.05E+08	104904646	+	5.967E-14	6.8997E-13	-0.27064	hypo	sig	chr14_104904646
chr6	26017366	26017366	+	5.966E-14	6.8997E-13	0.219083	hyper	sig	chr6_26017366
chr6	77650224	77650224	+	5.967E-14	6.9E-13	0.270478	hyper	sig	chr6_77650224
chr13	21912556	21912556	+	5.971E-14	6.9047E-13	-0.24437	hypo	sig	chr13_21912556
chr16	30474250	30474250	+	5.972E-14	6.9061E-13	0.295088	hyper	sig	chr16_30474250
chr8	23706518	23706518	+	5.973E-14	6.9064E-13	0.215286	hyper	sig	chr8_23706518
chr1	2.3E+08	230323096	+	5.973E-14	6.9067E-13	-0.21838	hypo	sig	chr1_230323096
chr5	2683928	2683928	+	5.981E-14	6.9157E-13	-0.2678	hypo	sig	chr5_2683928
chr7	1.55E+08	155071098	+	5.984E-14	6.9194E-13	0.260685	hyper	sig	chr7_155071098
chr3	52483792	52483792	+	5.989E-14	6.9248E-13	0.266752	hyper	sig	chr3_52483792
chr11	70826842	70826842	+	5.991E-14	6.9266E-13	0.227979	hyper	sig	chr11_70826842
chr19	5342090	5342090	+	5.992E-14	6.9276E-13	-0.24278	hypo	sig	chr19_5342090
chr7	23473420	23473420	+	5.992E-14	6.9276E-13	-0.20019	hypo	sig	chr7_23473420
chr7	1.43E+08	142797189	+	5.994E-14	6.9296E-13	0.240647	hyper	sig	chr7_142797189
chr12	1.27E+08	126727947	+	5.994E-14	6.9305E-13	0.224451	hyper	sig	chr12_126727947
chr19	38976676	38976676	+	5.995E-14	6.9314E-13	0.246127	hyper	sig	chr19_38976676
chr20	46541632	46541632	+	5.996E-14	6.9321E-13	0.264822	hyper	sig	chr20_46541632
chr16	876729	876729	+	5.997E-14	6.9328E-13	-0.28177	hypo	sig	chr16_876729
chr6	1.68E+08	167815830	+	6.001E-14	6.9381E-13	-0.2654	hypo	sig	chr6_167815830
chr5	1.8E+08	179698013	+	6.002E-14	6.9387E-13	-0.2557	hypo	sig	chr5_179698013
chr1	1.71E+08	170662239	+	6.005E-14	6.9418E-13	0.266778	hyper	sig	chr1_170662239
chr14	69519304	69519304	+	6.006E-14	6.9435E-13	-0.2024	hypo	sig	chr14_69519304
chr22	50281925	50281925	+	6.015E-14	6.9529E-13	-0.25096	hypo	sig	chr22_50281925
chr1	27111887	27111887	+	6.017E-14	6.955E-13	-0.21443	hypo	sig	chr1_27111887
chr9	33750296	33750296	+	6.017E-14	6.9553E-13	-0.22984	hypo	sig	chr9_33750296
chr7	1230963	1230963	+	6.018E-14	6.9559E-13	0.281339	hyper	sig	chr7_1230963
chr10	1.32E+08	132229877	+	6.021E-14	6.9587E-13	-0.23666	hypo	sig	chr10_132229877
chr9	1.34E+08	133950945	+	6.022E-14	6.9602E-13	0.257058	hyper	sig	chr9_133950945
chr14	60641583	60641583	+	6.023E-14	6.9607E-13	0.30339	hyper	sig	chr14_60641583

chr9	1.37E+08	137022496	+	6.024E-14	6.9627E-13	-0.23038	hypo	sig	chr9_137022496
chr9	1.36E+08	135960345	+	6.028E-14	6.9668E-13	0.2354	hyper	sig	chr9_135960345
chr20	61728338	61728338	+	6.03E-14	6.9695E-13	-0.30419	hypo	sig	chr20_61728338
chr6	10422377	10422377	+	6.035E-14	6.9743E-13	0.25223	hyper	sig	chr6_10422377
chr3	1.2E+08	119703454	+	6.036E-14	6.9751E-13	0.24715	hyper	sig	chr3_119703454
chr13	99997166	99997166	+	6.037E-14	6.9762E-13	0.205486	hyper	sig	chr13_99997166
chr2	2.22E+08	222295646	+	6.039E-14	6.9781E-13	0.214839	hyper	sig	chr2_222295646
chr17	39149475	39149475	+	6.041E-14	6.9808E-13	-0.20418	hypo	sig	chr17_39149475
chr5	1.16E+08	115963778	+	6.046E-14	6.9859E-13	0.296987	hyper	sig	chr5_115963778
chr2	871487	871487	+	6.046E-14	6.9862E-13	-0.20965	hypo	sig	chr2_871487
chr22	45971374	45971374	+	6.048E-14	6.9888E-13	0.22178	hyper	sig	chr22_45971374
chr14	47675905	47675905	+	6.052E-14	6.9927E-13	0.281206	hyper	sig	chr14_47675905
chr3	1.47E+08	147423472	+	6.053E-14	6.9935E-13	0.238959	hyper	sig	chr3_147423472
chr16	972633	972633	+	6.055E-14	6.9958E-13	-0.241	hypo	sig	chr16_972633
chr7	1.41E+08	141073600	+	6.057E-14	6.9987E-13	0.215225	hyper	sig	chr7_141073600
chr3	1.28E+08	128483851	+	6.063E-14	7.0052E-13	0.270613	hyper	sig	chr3_128483851
chr19	55640335	55640335	+	6.063E-14	7.0053E-13	0.233621	hyper	sig	chr19_55640335
chr6	29828816	29828816	+	6.069E-14	7.0114E-13	0.203667	hyper	sig	chr6_29828816
chr12	189063	189063	+	6.07E-14	7.0125E-13	0.256023	hyper	sig	chr12_189063
chr5	1.73E+08	173234078	+	6.07E-14	7.013E-13	0.304322	hyper	sig	chr5_173234078
chr16	86504709	86504709	+	6.073E-14	7.016E-13	0.226989	hyper	sig	chr16_86504709
chr5	1.79E+08	179265822	+	6.074E-14	7.0169E-13	0.312797	hyper	sig	chr5_179265822
chr12	1.25E+08	124543749	+	6.075E-14	7.0175E-13	0.239679	hyper	sig	chr12_124543749
chr16	78046191	78046191	+	6.075E-14	7.0179E-13	0.220126	hyper	sig	chr16_78046191
chr6	99994275	99994275	+	6.076E-14	7.0186E-13	0.242431	hyper	sig	chr6_99994275
chr9	1.35E+08	134819953	+	6.076E-14	7.0188E-13	-0.24689	hypo	sig	chr9_134819953
chr10	7411391	7411391	+	6.078E-14	7.0209E-13	0.238032	hyper	sig	chr10_7411391
chr1	90725458	90725458	+	6.088E-14	7.0329E-13	0.207727	hyper	sig	chr1_90725458
chr19	35126725	35126725	+	6.093E-14	7.0376E-13	0.30634	hyper	sig	chr19_35126725
chr14	68817323	68817323	+	6.093E-14	7.0382E-13	0.222952	hyper	sig	chr14_68817323
chr9	1.31E+08	130666744	+	6.094E-14	7.0391E-13	0.200262	hyper	sig	chr9_130666744
chr8	56447341	56447341	+	6.095E-14	7.0402E-13	0.227429	hyper	sig	chr8_56447341
chr10	1.33E+08	132960349	+	6.096E-14	7.0412E-13	-0.25758	hypo	sig	chr10_132960349
chr20	21103734	21103734	+	6.097E-14	7.0418E-13	0.314584	hyper	sig	chr20_21103734
chr14	72981874	72981874	+	6.099E-14	7.0446E-13	0.240422	hyper	sig	chr14_72981874
chr10	1.01E+08	101282936	+	6.102E-14	7.0477E-13	-0.21439	hypo	sig	chr10_101282936
chr6	52504704	52504704	+	6.104E-14	7.0498E-13	-0.24153	hypo	sig	chr6_52504704
chr5	63961193	63961193	+	6.109E-14	7.055E-13	0.31397	hyper	sig	chr5_63961193
chr7	92608829	92608829	+	6.11E-14	7.0559E-13	-0.26238	hypo	sig	chr7_92608829
chr11	18209335	18209335	+	6.112E-14	7.0586E-13	0.246791	hyper	sig	chr11_18209335
chr19	9498399	9498399	+	6.112E-14	7.0586E-13	0.326628	hyper	sig	chr19_9498399
chr16	2082314	2082314	+	6.112E-14	7.0587E-13	0.218604	hyper	sig	chr16_2082314
chr2	1.1E+08	110115043	+	6.113E-14	7.0595E-13	-0.22127	hypo	sig	chr2_110115043
chr10	69571866	69571866	+	6.115E-14	7.0616E-13	0.217082	hyper	sig	chr10_69571866
chr8	11700690	11700690	+	6.118E-14	7.0649E-13	0.204027	hyper	sig	chr8_11700690
chr8	96327953	96327953	+	6.119E-14	7.0655E-13	-0.22399	hypo	sig	chr8_96327953
chr17	77429098	77429098	+	6.121E-14	7.0676E-13	0.277871	hyper	sig	chr17_77429098
chr7	30912077	30912077	+	6.121E-14	7.0676E-13	0.214333	hyper	sig	chr7_30912077
chr8	54457615	54457615	+	6.124E-14	7.0717E-13	0.279114	hyper	sig	chr8_54457615
chr19	46413766	46413766	+	6.131E-14	7.0793E-13	0.283215	hyper	sig	chr19_46413766
chr10	665624	665624	+	6.133E-14	7.0814E-13	0.2088	hyper	sig	chr10_665624
chr6	90610363	90610363	+	6.135E-14	7.0837E-13	0.26682	hyper	sig	chr6_90610363
chr11	68370957	68370957	+	6.136E-14	7.0853E-13	0.298831	hyper	sig	chr11_68370957
chr11	31801643	31801643	+	6.138E-14	7.0868E-13	0.213915	hyper	sig	chr11_31801643
chr4	52076960	52076960	+	6.139E-14	7.0886E-13	0.265331	hyper	sig	chr4_52076960
chr14	1.03E+08	103221010	+	6.14E-14	7.0892E-13	0.201281	hyper	sig	chr14_103221010

chr1	23371149	23371149	+	6.141E-14	7.0905E-13	0.313645	hyper	sig	chr1_23371149
chr4	84495749	84495749	+	6.142E-14	7.0914E-13	0.228668	hyper	sig	chr4_84495749
chr20	25987410	25987410	+	6.143E-14	7.0928E-13	0.270271	hyper	sig	chr20_25987410
chr11	71638707	71638707	+	6.15E-14	7.1E-13	-0.23422	hypo	sig	chr11_71638707
chr20	56625997	56625997	+	6.15E-14	7.1E-13	0.371503	hyper	sig	chr20_56625997
chr7	24283906	24283906	+	6.154E-14	7.1047E-13	0.2879	hyper	sig	chr7_24283906
chr2	2.41E+08	240672585	+	6.156E-14	7.1073E-13	0.251431	hyper	sig	chr2_240672585
chr19	23002702	23002702	+	6.158E-14	7.109E-13	0.332075	hyper	sig	chr19_23002702
chr12	34375318	34375318	+	6.161E-14	7.1123E-13	-0.24688	hypo	sig	chr12_34375318
chr10	1.22E+08	122463097	+	6.161E-14	7.1124E-13	0.224303	hyper	sig	chr10_122463097
chr10	1.33E+08	133264828	+	6.162E-14	7.1127E-13	-0.29027	hypo	sig	chr10_133264828
chr1	2.05E+08	205456100	+	6.162E-14	7.1129E-13	0.206955	hyper	sig	chr1_205456100
chr16	3183992	3183992	+	6.167E-14	7.1187E-13	0.316044	hyper	sig	chr16_3183992
chr19	7391403	7391403	+	6.169E-14	7.1205E-13	-0.24855	hypo	sig	chr19_7391403
chr5	1.51E+08	150640748	+	6.17E-14	7.122E-13	-0.29285	hypo	sig	chr5_150640748
chr6	50845960	50845960	+	6.175E-14	7.127E-13	0.315176	hyper	sig	chr6_50845960
chr1	50425554	50425554	+	6.177E-14	7.1297E-13	0.288953	hyper	sig	chr1_50425554
chr18	11752539	11752539	+	6.177E-14	7.1297E-13	0.206153	hyper	sig	chr18_11752539
chr6	31143381	31143381	+	6.181E-14	7.1336E-13	0.24024	hyper	sig	chr6_31143381
chr10	1.23E+08	122818795	+	6.181E-14	7.1343E-13	0.246399	hyper	sig	chr10_122818795
chr16	28539316	28539316	+	6.182E-14	7.1351E-13	0.20214	hyper	sig	chr16_28539316
chr1	86156755	86156755	+	6.185E-14	7.1385E-13	0.209461	hyper	sig	chr1_86156755
chr7	4833489	4833489	+	6.19E-14	7.1433E-13	-0.23638	hypo	sig	chr7_4833489
chr10	1463431	1463431	+	6.194E-14	7.1478E-13	-0.2128	hypo	sig	chr10_1463431
chr20	46246814	46246814	+	6.196E-14	7.1508E-13	0.230348	hyper	sig	chr20_46246814
chr14	97219515	97219515	+	6.197E-14	7.1513E-13	0.218308	hyper	sig	chr14_97219515
chr14	1.05E+08	104899156	+	6.197E-14	7.1513E-13	0.237445	hyper	sig	chr14_104899156
chr5	1.79E+08	179060221	+	6.204E-14	7.159E-13	0.245361	hyper	sig	chr5_179060221
chr1	1354455	1354455	+	6.207E-14	7.1627E-13	-0.24316	hypo	sig	chr1_1354455
chr14	91285387	91285387	+	6.211E-14	7.1669E-13	0.291348	hyper	sig	chr14_91285387
chr20	56625711	56625711	+	6.212E-14	7.1687E-13	0.217757	hyper	sig	chr20_56625711
chr3	46464925	46464925	+	6.215E-14	7.1711E-13	0.264191	hyper	sig	chr3_46464925
chr5	1.41E+08	141421044	+	6.216E-14	7.1726E-13	0.253569	hyper	sig	chr5_141421044
chr19	49691827	49691827	+	6.217E-14	7.1733E-13	0.294616	hyper	sig	chr19_49691827
chr6	6614214	6614214	+	6.227E-14	7.1856E-13	-0.23956	hypo	sig	chr6_6614214
chr16	427085	427085	+	6.233E-14	7.1914E-13	0.220805	hyper	sig	chr16_427085
chr5	1.11E+08	111070708	+	6.233E-14	7.1919E-13	0.230437	hyper	sig	chr5_111070708
chr7	5144911	5144911	+	6.236E-14	7.1955E-13	-0.20123	hypo	sig	chr7_5144911
chr5	1.11E+08	111070867	+	6.239E-14	7.1978E-13	0.260105	hyper	sig	chr5_111070867
chr5	1.75E+08	175060010	+	6.245E-14	7.2045E-13	0.20056	hyper	sig	chr5_175060010
chr1	16535133	16535133	+	6.247E-14	7.207E-13	0.222072	hyper	sig	chr1_16535133
chr15	68205921	68205921	+	6.249E-14	7.2096E-13	-0.30252	hypo	sig	chr15_68205921
chr4	54237930	54237930	+	6.253E-14	7.2135E-13	-0.24509	hypo	sig	chr4_54237930
chr15	75649276	75649276	+	6.254E-14	7.2149E-13	0.285267	hyper	sig	chr15_75649276
chr6	1.07E+08	106509570	+	6.255E-14	7.2156E-13	0.22428	hyper	sig	chr6_106509570
chr13	1.14E+08	113566302	+	6.262E-14	7.2236E-13	-0.21953	hypo	sig	chr13_113566302
chr17	19533587	19533587	+	6.265E-14	7.227E-13	0.2466	hyper	sig	chr17_19533587
chr10	99232465	99232465	+	6.27E-14	7.2321E-13	0.214261	hyper	sig	chr10_99232465
chr14	74611609	74611609	+	6.27E-14	7.2326E-13	0.24011	hyper	sig	chr14_74611609
chr15	24773050	24773050	+	6.27E-14	7.2326E-13	0.250688	hyper	sig	chr15_24773050
chr22	21953337	21953337	+	6.27E-14	7.2326E-13	-0.24527	hypo	sig	chr22_21953337
chr1	27572224	27572224	+	6.275E-14	7.2384E-13	0.202942	hyper	sig	chr1_27572224
chr11	1.29E+08	128876370	+	6.283E-14	7.2468E-13	-0.20151	hypo	sig	chr11_128876370
chr15	37097416	37097416	+	6.283E-14	7.2469E-13	0.26694	hyper	sig	chr15_37097416
chr6	1.68E+08	167795749	+	6.287E-14	7.2508E-13	-0.30583	hypo	sig	chr6_167795749
chr3	1.8E+08	180036413	+	6.288E-14	7.2522E-13	0.30307	hyper	sig	chr3_180036413

chr9	1.36E+08	136202513	+	6.289E-14	7.2538E-13	0.25908	hyper	sig	chr9_136202513
chr10	1.01E+08	101061913	+	6.29E-14	7.2546E-13	-0.35269	hypo	sig	chr10_101061913
chr22	22520104	22520104	+	6.29E-14	7.2547E-13	-0.23853	hypo	sig	chr22_22520104
chr2	20671362	20671362	+	6.292E-14	7.2559E-13	0.335404	hyper	sig	chr2_20671362
chr5	1.36E+08	135930888	+	6.293E-14	7.2573E-13	0.221035	hyper	sig	chr5_135930888
chr19	41935912	41935912	+	6.294E-14	7.2582E-13	0.288223	hyper	sig	chr19_41935912
chr4	76307731	76307731	+	6.298E-14	7.2627E-13	0.22582	hyper	sig	chr4_76307731
chr1	7348851	7348851	+	6.301E-14	7.266E-13	-0.24124	hypo	sig	chr1_7348851
chr17	4536349	4536349	+	6.307E-14	7.2727E-13	0.312528	hyper	sig	chr17_4536349
chr16	50673543	50673543	+	6.31E-14	7.2765E-13	0.218023	hyper	sig	chr16_50673543
chr13	1.14E+08	114089969	+	6.311E-14	7.2772E-13	-0.239	hypo	sig	chr13_114089969
chr9	62800204	62800204	+	6.311E-14	7.2772E-13	0.271308	hyper	sig	chr9_62800204
chr18	76254672	76254672	+	6.317E-14	7.2835E-13	-0.23452	hypo	sig	chr18_76254672
chr2	1.82E+08	181683299	+	6.317E-14	7.2838E-13	0.278017	hyper	sig	chr2_181683299
chr12	56021532	56021532	+	6.317E-14	7.284E-13	0.33352	hyper	sig	chr12_56021532
chr12	1.14E+08	114405643	+	6.319E-14	7.2857E-13	0.285857	hyper	sig	chr12_114405643
chr8	52587007	52587007	+	6.328E-14	7.2956E-13	0.229589	hyper	sig	chr8_52587007
chr7	45937468	45937468	+	6.328E-14	7.2957E-13	-0.23681	hypo	sig	chr7_45937468
chr11	75451106	75451106	+	6.328E-14	7.2958E-13	0.27403	hyper	sig	chr11_75451106
chr12	3752401	3752401	+	6.328E-14	7.2962E-13	-0.27016	hypo	sig	chr12_3752401
chr3	46465121	46465121	+	6.332E-14	7.2997E-13	0.264193	hyper	sig	chr3_46465121
chr14	76113973	76113973	+	6.332E-14	7.2998E-13	-0.21991	hypo	sig	chr14_76113973
chr12	1.32E+08	131844810	+	6.332E-14	7.3004E-13	-0.23179	hypo	sig	chr12_131844810
chr6	41638183	41638183	+	6.334E-14	7.3017E-13	0.295101	hyper	sig	chr6_41638183
chr15	23416752	23416752	+	6.337E-14	7.3053E-13	-0.24131	hypo	sig	chr15_23416752
chr1	42957308	42957308	+	6.34E-14	7.3092E-13	-0.25465	hypo	sig	chr1_42957308
chr20	21397804	21397804	+	6.341E-14	7.3103E-13	0.38638	hyper	sig	chr20_21397804
chr12	53324311	53324311	+	6.342E-14	7.3104E-13	0.22853	hyper	sig	chr12_53324311
chr13	1.13E+08	113411677	+	6.345E-14	7.3138E-13	-0.26929	hypo	sig	chr13_113411677
chr2	2.22E+08	222295456	+	6.346E-14	7.3157E-13	0.222155	hyper	sig	chr2_222295456
chr1	2433884	2433884	+	6.347E-14	7.3164E-13	-0.23001	hypo	sig	chr1_2433884
chr16	28904452	28904452	+	6.35E-14	7.3198E-13	0.26447	hyper	sig	chr16_28904452
chr1	1.19E+08	118988499	+	6.353E-14	7.323E-13	0.20259	hyper	sig	chr1_118988499
chr12	56511097	56511097	+	6.354E-14	7.3235E-13	-0.34342	hypo	sig	chr12_56511097
chr16	15146082	15146082	+	6.359E-14	7.3297E-13	0.26702	hyper	sig	chr16_15146082
chr16	761122	761122	+	6.378E-14	7.3506E-13	-0.30316	hypo	sig	chr16_761122
chr13	1.12E+08	111962838	+	6.381E-14	7.3549E-13	-0.33191	hypo	sig	chr13_111962838
chr17	17810524	17810524	+	6.396E-14	7.3713E-13	0.29528	hyper	sig	chr17_17810524
chr2	96832617	96832617	+	6.397E-14	7.3722E-13	0.206701	hyper	sig	chr2_96832617
chr3	1.47E+08	147412734	+	6.403E-14	7.3788E-13	0.264248	hyper	sig	chr3_147412734
chr7	1.34E+08	134458244	+	6.403E-14	7.3795E-13	0.257796	hyper	sig	chr7_134458244
chr17	49964735	49964735	+	6.406E-14	7.3821E-13	0.264634	hyper	sig	chr17_49964735
chr6	1.67E+08	167147264	+	6.408E-14	7.3848E-13	0.227444	hyper	sig	chr6_167147264
chr2	9235518	9235518	+	6.416E-14	7.3941E-13	0.241832	hyper	sig	chr2_9235518
chr7	1596712	1596712	+	6.417E-14	7.3953E-13	-0.28973	hypo	sig	chr7_1596712
chr14	37584895	37584895	+	6.418E-14	7.3957E-13	0.232518	hyper	sig	chr14_37584895
chr7	91267367	91267367	+	6.424E-14	7.4028E-13	0.362396	hyper	sig	chr7_91267367
chr2	26319079	26319079	+	6.425E-14	7.4038E-13	0.268565	hyper	sig	chr2_26319079
chr16	31224407	31224407	+	6.426E-14	7.404E-13	0.321246	hyper	sig	chr16_31224407
chr13	87674346	87674346	+	6.44E-14	7.4202E-13	0.206295	hyper	sig	chr13_87674346
chr12	1.31E+08	130788758	+	6.441E-14	7.422E-13	0.261257	hyper	sig	chr12_130788758
chr1	26863654	26863654	+	6.447E-14	7.4277E-13	-0.24015	hypo	sig	chr1_26863654
chr19	50728376	50728376	+	6.451E-14	7.4321E-13	0.281994	hyper	sig	chr19_50728376
chr12	84910735	84910735	+	6.452E-14	7.434E-13	0.299134	hyper	sig	chr12_84910735
chr6	26017884	26017884	+	6.453E-14	7.4347E-13	0.21996	hyper	sig	chr6_26017884
chr19	57614763	57614763	+	6.455E-14	7.4367E-13	0.316065	hyper	sig	chr19_57614763

chr6	1.1E+08	110400102	+	6.459E-14	7.4414E-13	0.290152	hyper	sig	chr6_110400102
chr1	1.12E+08	111981014	+	6.463E-14	7.4456E-13	-0.26458	hypo	sig	chr1_111981014
chr12	2633955	2633955	+	6.463E-14	7.4456E-13	-0.27718	hypo	sig	chr12_2633955
chr13	1.14E+08	114140571	+	6.471E-14	7.4546E-13	-0.21462	hypo	sig	chr13_114140571
chr8	64373691	64373691	+	6.477E-14	7.4613E-13	0.25401	hyper	sig	chr8_64373691
chr16	1257679	1257679	+	6.484E-14	7.4689E-13	-0.21499	hypo	sig	chr16_1257679
chr13	1.13E+08	113118758	+	6.484E-14	7.469E-13	-0.26972	hypo	sig	chr13_113118758
chr18	63476716	63476716	+	6.485E-14	7.4703E-13	-0.26365	hypo	sig	chr18_63476716
chr3	1.96E+08	195804742	+	6.495E-14	7.4813E-13	-0.23376	hypo	sig	chr3_195804742
chr2	2.18E+08	218034474	+	6.496E-14	7.4824E-13	-0.30241	hypo	sig	chr2_218034474
chr12	1.24E+08	124454903	+	6.497E-14	7.4837E-13	0.256552	hyper	sig	chr12_124454903
chr4	1.75E+08	174829254	+	6.497E-14	7.4837E-13	0.210935	hyper	sig	chr4_174829254
chr1	2.21E+08	220896357	+	6.5E-14	7.4874E-13	0.275272	hyper	sig	chr1_220896357
chr6	93417623	93417623	+	6.511E-14	7.4992E-13	0.303539	hyper	sig	chr6_93417623
chr11	1.29E+08	128687073	+	6.514E-14	7.5031E-13	0.204883	hyper	sig	chr11_128687073
chr19	29666962	29666962	+	6.516E-14	7.5046E-13	0.275704	hyper	sig	chr19_29666962
chr8	1.43E+08	143265027	+	6.516E-14	7.5046E-13	-0.23156	hypo	sig	chr8_143265027
chr13	1.13E+08	112995643	+	6.519E-14	7.5076E-13	-0.28443	hypo	sig	chr13_112995643
chr11	1.17E+08	117204332	+	6.52E-14	7.5091E-13	0.27474	hyper	sig	chr11_117204332
chr4	1.74E+08	173528932	+	6.521E-14	7.5104E-13	0.285601	hyper	sig	chr4_173528932
chr10	1.33E+08	132607581	+	6.524E-14	7.5134E-13	0.248713	hyper	sig	chr10_132607581
chr5	73298617	73298617	+	6.529E-14	7.5188E-13	0.288105	hyper	sig	chr5_73298617
chr7	1.3E+08	130485995	+	6.529E-14	7.5188E-13	-0.24608	hypo	sig	chr7_130485995
chr11	6319074	6319074	+	6.531E-14	7.5207E-13	0.278107	hyper	sig	chr11_6319074
chr1	1.97E+08	196878066	+	6.531E-14	7.5214E-13	0.225357	hyper	sig	chr1_196878066
chr20	46513385	46513385	+	6.532E-14	7.5216E-13	0.221693	hyper	sig	chr20_46513385
chr12	1.14E+08	114447549	+	6.532E-14	7.5219E-13	0.232143	hyper	sig	chr12_114447549
chr2	2.37E+08	237483479	+	6.534E-14	7.5237E-13	-0.28073	hypo	sig	chr2_237483479
chr12	50842910	50842910	+	6.538E-14	7.5289E-13	0.284127	hyper	sig	chr12_50842910
chr2	2.08E+08	208406489	+	6.54E-14	7.531E-13	0.211223	hyper	sig	chr2_208406489
chr12	6375074	6375074	+	6.549E-14	7.5411E-13	-0.25955	hypo	sig	chr12_6375074
chr11	17719736	17719736	+	6.551E-14	7.5432E-13	0.28023	hyper	sig	chr11_17719736
chr12	1.31E+08	131435034	+	6.557E-14	7.5492E-13	-0.20425	hypo	sig	chr12_131435034
chr8	64373671	64373671	+	6.557E-14	7.5492E-13	0.280625	hyper	sig	chr8_64373671
chr1	3579013	3579013	+	6.566E-14	7.5597E-13	-0.21452	hypo	sig	chr1_3579013
chr10	1.19E+08	118596274	+	6.568E-14	7.5613E-13	0.253313	hyper	sig	chr10_118596274
chr12	6552481	6552481	+	6.576E-14	7.5704E-13	0.265834	hyper	sig	chr12_6552481
chr20	46021633	46021633	+	6.577E-14	7.5714E-13	0.255372	hyper	sig	chr20_46021633
chr5	3103660	3103660	+	6.579E-14	7.5738E-13	0.242453	hyper	sig	chr5_3103660
chr1	2.03E+08	203027054	+	6.579E-14	7.5745E-13	0.281596	hyper	sig	chr1_203027054
chr8	81732841	81732841	+	6.585E-14	7.5805E-13	-0.21935	hypo	sig	chr8_81732841
chr11	8168879	8168879	+	6.589E-14	7.5849E-13	0.277911	hyper	sig	chr11_8168879
chr2	3171079	3171079	+	6.591E-14	7.5877E-13	0.345029	hyper	sig	chr2_3171079
chr7	1235947	1235947	+	6.593E-14	7.5897E-13	0.297405	hyper	sig	chr7_1235947
chr6	32069120	32069120	+	6.594E-14	7.59E-13	-0.21218	hypo	sig	chr6_32069120
chr7	590855	590855	+	6.594E-14	7.5902E-13	0.222442	hyper	sig	chr7_590855
chr9	1.05E+08	104928472	+	6.596E-14	7.5929E-13	0.284852	hyper	sig	chr9_104928472
chr17	14318862	14318862	+	6.597E-14	7.5941E-13	-0.24064	hypo	sig	chr17_14318862
chr10	1.34E+08	133529691	+	6.598E-14	7.5945E-13	0.262585	hyper	sig	chr10_133529691
chr6	1.68E+08	167815678	+	6.604E-14	7.6011E-13	-0.27013	hypo	sig	chr6_167815678
chr17	50124166	50124166	+	6.607E-14	7.6039E-13	0.267323	hyper	sig	chr17_50124166
chr15	93028790	93028790	+	6.611E-14	7.6084E-13	0.247589	hyper	sig	chr15_93028790
chr6	1.38E+08	138105035	+	6.612E-14	7.6095E-13	-0.24376	hypo	sig	chr6_138105035
chr22	44729497	44729497	+	6.616E-14	7.614E-13	0.267277	hyper	sig	chr22_44729497
chr20	56342629	56342629	+	6.618E-14	7.6158E-13	-0.29925	hypo	sig	chr20_56342629
chr6	1.67E+08	167396317	+	6.618E-14	7.6167E-13	-0.23599	hypo	sig	chr6_167396317

chr2	1.19E+08	118849477	+	6.623E-14	7.6218E-13	0.252535	hyper	sig	chr2_118849477
chr6	1624480	1624480	+	6.627E-14	7.6263E-13	0.347104	hyper	sig	chr6_1624480
chr4	48484355	48484355	+	6.632E-14	7.6318E-13	0.283615	hyper	sig	chr4_48484355
chr4	1.74E+08	173538877	+	6.636E-14	7.6356E-13	0.201905	hyper	sig	chr4_173538877
chr2	2.42E+08	241552529	+	6.638E-14	7.6381E-13	-0.22551	hypo	sig	chr2_241552529
chr14	1.01E+08	100726557	+	6.641E-14	7.6419E-13	0.224402	hyper	sig	chr14_100726557
chr7	1.57E+08	157499185	+	6.642E-14	7.6423E-13	-0.20336	hypo	sig	chr7_157499185
chr7	73850271	73850271	+	6.647E-14	7.6478E-13	-0.26642	hypo	sig	chr7_73850271
chr15	31483195	31483195	+	6.65E-14	7.6518E-13	0.249257	hyper	sig	chr15_31483195
chr2	29921304	29921304	+	6.651E-14	7.652E-13	0.242757	hyper	sig	chr2_29921304
chr10	22476040	22476040	+	6.652E-14	7.6535E-13	0.220894	hyper	sig	chr10_22476040
chr3	45035858	45035858	+	6.661E-14	7.6642E-13	0.230343	hyper	sig	chr3_45035858
chr11	66863925	66863925	+	6.663E-14	7.6662E-13	-0.20963	hypo	sig	chr11_66863925
chr10	485960	485960	+	6.664E-14	7.6664E-13	0.25167	hyper	sig	chr10_485960
chr9	1.1E+08	110090223	+	6.666E-14	7.6688E-13	-0.24241	hypo	sig	chr9_110090223
chr19	1009745	1009745	+	6.667E-14	7.6705E-13	0.209799	hyper	sig	chr19_1009745
chr19	45641009	45641009	+	6.668E-14	7.6709E-13	-0.43348	hypo	sig	chr19_45641009
chr15	28921545	28921545	+	6.669E-14	7.6726E-13	-0.2384	hypo	sig	chr15_28921545
chr7	77245626	77245626	+	6.671E-14	7.6739E-13	0.221915	hyper	sig	chr7_77245626
chr7	1.57E+08	157499491	+	6.68E-14	7.6843E-13	-0.20801	hypo	sig	chr7_157499491
chr12	53973091	53973091	+	6.682E-14	7.687E-13	0.260558	hyper	sig	chr12_53973091
chr17	15917785	15917785	+	6.685E-14	7.6903E-13	0.367153	hyper	sig	chr17_15917785
chr22	27612577	27612577	+	6.692E-14	7.6981E-13	-0.27986	hypo	sig	chr22_27612577
chr3	62318620	62318620	+	6.694E-14	7.6994E-13	0.238081	hyper	sig	chr3_62318620
chr6	1624749	1624749	+	6.694E-14	7.6994E-13	0.302642	hyper	sig	chr6_1624749
chr15	52783336	52783336	+	6.695E-14	7.701E-13	0.22952	hyper	sig	chr15_52783336
chr16	89817771	89817771	+	6.695E-14	7.701E-13	-0.24653	hypo	sig	chr16_89817771
chr18	46655171	46655171	+	6.697E-14	7.7026E-13	-0.21179	hypo	sig	chr18_46655171
chr15	83107269	83107269	+	6.698E-14	7.7034E-13	0.249884	hyper	sig	chr15_83107269
chr10	1210750	1210750	+	6.7E-14	7.7058E-13	-0.23098	hypo	sig	chr10_1210750
chr19	52453701	52453701	+	6.7E-14	7.7062E-13	0.33462	hyper	sig	chr19_52453701
chr5	1.41E+08	141430897	+	6.702E-14	7.7081E-13	0.245552	hyper	sig	chr5_141430897
chr14	56808573	56808573	+	6.702E-14	7.7084E-13	0.258637	hyper	sig	chr14_56808573
chr5	1.73E+08	173245671	+	6.71E-14	7.7172E-13	0.238294	hyper	sig	chr5_173245671
chr2	2.39E+08	239349103	+	6.713E-14	7.7199E-13	0.272789	hyper	sig	chr2_239349103
chr13	78587529	78587529	+	6.713E-14	7.7201E-13	0.367853	hyper	sig	chr13_78587529
chr1	26411619	26411619	+	6.719E-14	7.7271E-13	0.247525	hyper	sig	chr1_26411619
chr16	85753482	85753482	+	6.724E-14	7.7321E-13	0.247821	hyper	sig	chr16_85753482
chr3	1.95E+08	194688149	+	6.733E-14	7.743E-13	0.255406	hyper	sig	chr3_194688149
chr10	1.33E+08	132785044	+	6.735E-14	7.7442E-13	0.336594	hyper	sig	chr10_132785044
chr16	85845454	85845454	+	6.735E-14	7.7451E-13	0.248632	hyper	sig	chr16_85845454
chr7	50632599	50632599	+	6.739E-14	7.7491E-13	-0.24734	hypo	sig	chr7_50632599
chr13	1.13E+08	113411759	+	6.74E-14	7.7498E-13	-0.26224	hypo	sig	chr13_113411759
chr5	88667468	88667468	+	6.741E-14	7.751E-13	0.32204	hyper	sig	chr5_88667468
chr20	21701352	21701352	+	6.743E-14	7.7533E-13	0.213545	hyper	sig	chr20_21701352
chr12	53960870	53960870	+	6.745E-14	7.7555E-13	0.236432	hyper	sig	chr12_53960870
chr9	1.35E+08	134967793	+	6.745E-14	7.7555E-13	0.291807	hyper	sig	chr9_134967793
chr1	1977653	1977653	+	6.747E-14	7.7581E-13	-0.2103	hypo	sig	chr1_1977653
chr7	1.02E+08	101629219	+	6.747E-14	7.7581E-13	-0.22355	hypo	sig	chr7_101629219
chr16	3257378	3257378	+	6.75E-14	7.7605E-13	-0.23993	hypo	sig	chr16_3257378
chr17	2056302	2056302	+	6.757E-14	7.7684E-13	0.250272	hyper	sig	chr17_2056302
chr1	2.45E+08	245336430	+	6.759E-14	7.7714E-13	-0.24864	hypo	sig	chr1_245336430
chr3	1.5E+08	149657274	+	6.761E-14	7.7736E-13	0.248747	hyper	sig	chr3_149657274
chr3	14526064	14526064	+	6.765E-14	7.7773E-13	0.205631	hyper	sig	chr3_14526064
chr4	1034137	1034137	+	6.767E-14	7.7801E-13	0.247705	hyper	sig	chr4_1034137
chr7	43445214	43445214	+	6.775E-14	7.7891E-13	-0.27749	hypo	sig	chr7_43445214

chr4	84503307	84503307	+	6.776E-14	7.7899E-13	0.236315	hyper	sig	chr4_84503307
chr12	9449658	9449658	+	6.778E-14	7.7912E-13	0.242528	hyper	sig	chr12_9449658
chr1	6454505	6454505	+	6.781E-14	7.7948E-13	0.200178	hyper	sig	chr1_6454505
chr8	4994902	4994902	+	6.782E-14	7.7955E-13	0.231059	hyper	sig	chr8_4994902
chr11	67665540	67665540	+	6.791E-14	7.8059E-13	-0.20548	hypo	sig	chr11_67665540
chr2	2.39E+08	238965986	+	6.792E-14	7.8069E-13	-0.31923	hypo	sig	chr2_238965986
chr4	664336	664336	+	6.793E-14	7.8083E-13	0.228152	hyper	sig	chr4_664336
chr13	1.12E+08	111920947	+	6.794E-14	7.8091E-13	-0.20032	hypo	sig	chr13_111920947
chr15	63041647	63041647	+	6.795E-14	7.8108E-13	0.222872	hyper	sig	chr15_63041647
chr19	48746806	48746806	+	6.796E-14	7.8117E-13	0.265933	hyper	sig	chr19_48746806
chr6	3160352	3160352	+	6.798E-14	7.8132E-13	-0.22771	hypo	sig	chr6_3160352
chr10	71815085	71815085	+	6.8E-14	7.8159E-13	0.254784	hyper	sig	chr10_71815085
chr12	1.13E+08	113077557	+	6.801E-14	7.8161E-13	0.231519	hyper	sig	chr12_113077557
chr16	19171086	19171086	+	6.803E-14	7.8189E-13	-0.26208	hypo	sig	chr16_19171086
chr4	1.52E+08	151799627	+	6.812E-14	7.829E-13	-0.23256	hypo	sig	chr4_151799627
chr1	15214905	15214905	+	6.813E-14	7.8303E-13	0.2541	hyper	sig	chr1_15214905
chr2	2.35E+08	235492987	+	6.813E-14	7.8303E-13	0.279101	hyper	sig	chr2_235492987
chr7	1.58E+08	158478446	+	6.813E-14	7.8303E-13	0.304098	hyper	sig	chr7_158478446
chr16	18787810	18787810	+	6.815E-14	7.8314E-13	-0.25652	hypo	sig	chr16_18787810
chr13	29505382	29505382	+	6.815E-14	7.832E-13	-0.25583	hypo	sig	chr13_29505382
chr7	5303539	5303539	+	6.822E-14	7.8393E-13	-0.26706	hypo	sig	chr7_5303539
chr7	35259170	35259170	+	6.824E-14	7.8418E-13	0.232524	hyper	sig	chr7_35259170
chr2	2.28E+08	228181944	+	6.825E-14	7.8424E-13	0.295604	hyper	sig	chr2_228181944
chr16	68642825	68642825	+	6.827E-14	7.8456E-13	0.287664	hyper	sig	chr16_68642825
chr11	65481931	65481931	+	6.832E-14	7.8508E-13	0.23396	hyper	sig	chr11_65481931
chr11	1.19E+08	118618564	+	6.842E-14	7.8615E-13	0.277852	hyper	sig	chr11_118618564
chr11	394027	394027	+	6.846E-14	7.8661E-13	-0.33227	hypo	sig	chr11_394027
chr17	35374338	35374338	+	6.852E-14	7.8731E-13	0.203867	hyper	sig	chr17_35374338
chr6	379586	379586	+	6.861E-14	7.8834E-13	-0.21022	hypo	sig	chr6_379586
chr17	39607869	39607869	+	6.863E-14	7.8853E-13	0.261691	hyper	sig	chr17_39607869
chr12	52043787	52043787	+	6.864E-14	7.8856E-13	0.217712	hyper	sig	chr12_52043787
chr10	74001246	74001246	+	6.865E-14	7.8874E-13	0.208872	hyper	sig	chr10_74001246
chr11	92969482	92969482	+	6.868E-14	7.8909E-13	0.269281	hyper	sig	chr11_92969482
chr19	53037690	53037690	+	6.868E-14	7.8909E-13	0.209415	hyper	sig	chr19_53037690
chr10	1.25E+08	124607692	+	6.869E-14	7.8909E-13	-0.21476	hypo	sig	chr10_124607692
chr1	47434465	47434465	+	6.882E-14	7.9057E-13	0.248412	hyper	sig	chr1_47434465
chr7	56229857	56229857	+	6.886E-14	7.91E-13	0.276878	hyper	sig	chr7_56229857
chr11	69014762	69014762	+	6.886E-14	7.9105E-13	0.242959	hyper	sig	chr11_69014762
chr12	54189785	54189785	+	6.891E-14	7.9161E-13	-0.24831	hypo	sig	chr12_54189785
chr1	1.48E+08	148354725	+	6.894E-14	7.9189E-13	0.334466	hyper	sig	chr1_148354725
chr16	71426292	71426292	+	6.894E-14	7.9193E-13	0.269859	hyper	sig	chr16_71426292
chr7	1.36E+08	135728533	+	6.898E-14	7.9234E-13	-0.25158	hypo	sig	chr7_135728533
chr9	1.35E+08	134820038	+	6.907E-14	7.9336E-13	-0.29418	hypo	sig	chr9_134820038
chr1	2.25E+08	224616339	+	6.91E-14	7.9365E-13	0.232833	hyper	sig	chr1_224616339
chr17	48556364	48556364	+	6.911E-14	7.9381E-13	0.22591	hyper	sig	chr17_48556364
chr7	2309970	2309970	+	6.915E-14	7.9422E-13	0.228031	hyper	sig	chr7_2309970
chr3	1.39E+08	138939784	+	6.919E-14	7.9464E-13	0.239989	hyper	sig	chr3_138939784
chr13	1.12E+08	111640263	+	6.923E-14	7.9514E-13	-0.23208	hypo	sig	chr13_111640263
chr10	1.28E+08	128285673	+	6.927E-14	7.9555E-13	-0.22672	hypo	sig	chr10_128285673
chr3	48609956	48609956	+	6.927E-14	7.9557E-13	0.202566	hyper	sig	chr3_48609956
chr16	75241093	75241093	+	6.932E-14	7.9613E-13	0.266332	hyper	sig	chr16_75241093
chr10	52884129	52884129	+	6.938E-14	7.9674E-13	-0.2433	hypo	sig	chr10_52884129
chr17	2071991	2071991	+	6.939E-14	7.9683E-13	0.278874	hyper	sig	chr17_2071991
chr16	89085365	89085365	+	6.939E-14	7.9684E-13	-0.26809	hypo	sig	chr16_89085365
chr1	3404226	3404226	+	6.949E-14	7.9802E-13	0.231109	hyper	sig	chr1_3404226
chr6	5999027	5999027	+	6.95E-14	7.9805E-13	0.212108	hyper	sig	chr6_5999027

chr21	33026541	33026541	+	6.952E-14	7.9834E-13	0.248557	hyper	sig	chr21_33026541
chr6	7591139	7591139	+	6.952E-14	7.9834E-13	-0.21573	hypo	sig	chr6_7591139
chr19	1908219	1908219	+	6.954E-14	7.9848E-13	-0.26084	hypo	sig	chr19_1908219
chr2	1.06E+08	106343032	+	6.957E-14	7.9877E-13	-0.2647	hypo	sig	chr2_106343032
chr4	1.65E+08	164933094	+	6.956E-14	7.9877E-13	-0.2546	hypo	sig	chr4_164933094
chr9	92807355	92807355	+	6.958E-14	7.9889E-13	0.245517	hyper	sig	chr9_92807355
chr7	27145935	27145935	+	6.965E-14	7.9972E-13	0.254664	hyper	sig	chr7_27145935
chr12	1.17E+08	116908431	+	6.966E-14	7.9982E-13	-0.22924	hypo	sig	chr12_116908431
chr1	1.55E+08	154869498	+	6.971E-14	8.0037E-13	0.265081	hyper	sig	chr1_154869498
chr20	10217979	10217979	+	6.99E-14	8.0249E-13	0.234677	hyper	sig	chr20_10217979
chr1	9371567	9371567	+	6.992E-14	8.0267E-13	0.444962	hyper	sig	chr1_9371567
chr12	1.25E+08	124549294	+	6.992E-14	8.0267E-13	0.258138	hyper	sig	chr12_124549294
chr6	1.37E+08	137495378	+	6.992E-14	8.0267E-13	0.202066	hyper	sig	chr6_137495378
chr6	27566046	27566046	+	6.994E-14	8.029E-13	0.252836	hyper	sig	chr6_27566046
chr5	1.41E+08	140829960	+	6.998E-14	8.0334E-13	0.314435	hyper	sig	chr5_140829960
chr14	1.01E+08	101030014	+	7.008E-14	8.0451E-13	-0.20483	hypo	sig	chr14_101030014
chr11	1.16E+08	115756725	+	7.013E-14	8.05E-13	-0.27733	hypo	sig	chr11_115756725
chr5	3598976	3598976	+	7.013E-14	8.0502E-13	0.219061	hyper	sig	chr5_3598976
chr13	1.12E+08	111972633	+	7.014E-14	8.0515E-13	0.238457	hyper	sig	chr13_111972633
chr13	57634271	57634271	+	7.02E-14	8.0571E-13	0.264934	hyper	sig	chr13_57634271
chr5	1.4E+08	139689923	+	7.021E-14	8.0588E-13	-0.26209	hypo	sig	chr5_139689923
chr16	88227927	88227927	+	7.022E-14	8.0598E-13	-0.2655	hypo	sig	chr16_88227927
chr15	29139437	29139437	+	7.023E-14	8.0601E-13	-0.23657	hypo	sig	chr15_29139437
chr8	49909711	49909711	+	7.029E-14	8.0676E-13	0.248984	hyper	sig	chr8_49909711
chr13	19560576	19560576	+	7.03E-14	8.068E-13	-0.20826	hypo	sig	chr13_19560576
chr6	1.06E+08	105986369	+	7.031E-14	8.0698E-13	0.256206	hyper	sig	chr6_105986369
chr4	28116668	28116668	+	7.033E-14	8.0715E-13	-0.31074	hypo	sig	chr4_28116668
chr13	22926212	22926212	+	7.039E-14	8.078E-13	0.324542	hyper	sig	chr13_22926212
chr2	11850331	11850331	+	7.041E-14	8.0804E-13	-0.20642	hypo	sig	chr2_11850331
chr4	55793706	55793706	+	7.044E-14	8.0836E-13	0.280317	hyper	sig	chr4_55793706
chr9	1.22E+08	122124726	+	7.046E-14	8.0858E-13	-0.24746	hypo	sig	chr9_122124726
chr17	35498461	35498461	+	7.053E-14	8.0942E-13	0.30022	hyper	sig	chr17_35498461
chr8	1062382	1062382	+	7.056E-14	8.0972E-13	0.227869	hyper	sig	chr8_1062382
chr10	99326358	99326358	+	7.058E-14	8.099E-13	-0.27406	hypo	sig	chr10_99326358
chr5	1891675	1891675	+	7.059E-14	8.1002E-13	-0.20648	hypo	sig	chr5_1891675
chr6	12749741	12749741	+	7.059E-14	8.1005E-13	0.28344	hyper	sig	chr6_12749741
chr8	1.23E+08	123207232	+	7.06E-14	8.1008E-13	0.298948	hyper	sig	chr8_123207232
chr12	6963533	6963533	+	7.063E-14	8.105E-13	-0.24144	hypo	sig	chr12_6963533
chr12	1.32E+08	132178883	+	7.067E-14	8.1091E-13	-0.26286	hypo	sig	chr12_132178883
chr8	1.16E+08	115667517	+	7.09E-14	8.1352E-13	0.272986	hyper	sig	chr8_115667517
chr16	19005986	19005986	+	7.096E-14	8.1421E-13	-0.24163	hypo	sig	chr16_19005986
chr21	43758461	43758461	+	7.104E-14	8.1503E-13	0.252975	hyper	sig	chr21_43758461
chr7	57404940	57404940	+	7.114E-14	8.1613E-13	0.31124	hyper	sig	chr7_57404940
chr15	89411851	89411851	+	7.117E-14	8.165E-13	0.216156	hyper	sig	chr15_89411851
chr18	23690598	23690598	+	7.119E-14	8.1667E-13	-0.25201	hypo	sig	chr18_23690598
chr7	1.56E+08	155922392	+	7.12E-14	8.1683E-13	-0.27769	hypo	sig	chr7_155922392
chr5	1291183	1291183	+	7.121E-14	8.1688E-13	-0.29418	hypo	sig	chr5_1291183
chr3	27728801	27728801	+	7.124E-14	8.1725E-13	0.305498	hyper	sig	chr3_27728801
chr1	3063586	3063586	+	7.125E-14	8.1729E-13	0.244709	hyper	sig	chr1_3063586
chr5	64507201	64507201	+	7.133E-14	8.1827E-13	0.327946	hyper	sig	chr5_64507201
chr5	1.81E+08	181059596	+	7.138E-14	8.1873E-13	0.221897	hyper	sig	chr5_181059596
chr16	88971925	88971925	+	7.14E-14	8.1903E-13	-0.28002	hypo	sig	chr16_88971925
chr7	27250235	27250235	+	7.141E-14	8.1912E-13	0.214412	hyper	sig	chr7_27250235
chr2	2.41E+08	240672991	+	7.146E-14	8.1965E-13	0.212506	hyper	sig	chr2_240672991
chr11	43577777	43577777	+	7.149E-14	8.2001E-13	0.269044	hyper	sig	chr11_43577777
chr11	1.34E+08	133841359	+	7.15E-14	8.201E-13	-0.22511	hypo	sig	chr11_133841359

chr12	95549271	95549271	+	7.153E-14	8.2037E-13	0.241388	hyper	sig	chr12_95549271
chr9	98707095	98707095	+	7.158E-14	8.209E-13	0.242441	hyper	sig	chr9_98707095
chr1	50048788	50048788	+	7.158E-14	8.2091E-13	0.249452	hyper	sig	chr1_50048788
chr16	841394	841394	+	7.161E-14	8.2126E-13	-0.2372	hypo	sig	chr16_841394
chr13	27975803	27975803	+	7.166E-14	8.2187E-13	0.24072	hyper	sig	chr13_27975803
chr11	64843595	64843595	+	7.168E-14	8.2202E-13	-0.28532	hypo	sig	chr11_64843595
chr11	1.21E+08	121127770	+	7.171E-14	8.2232E-13	-0.2412	hypo	sig	chr11_121127770
chr19	2253446	2253446	+	7.178E-14	8.2322E-13	0.218555	hyper	sig	chr19_2253446
chr4	48484196	48484196	+	7.179E-14	8.2329E-13	0.22939	hyper	sig	chr4_48484196
chr4	9781307	9781307	+	7.192E-14	8.2474E-13	0.28824	hyper	sig	chr4_9781307
chr4	73998562	73998562	+	7.192E-14	8.2474E-13	0.220548	hyper	sig	chr4_73998562
chr11	94545697	94545697	+	7.194E-14	8.2485E-13	-0.27408	hypo	sig	chr11_94545697
chr2	2116163	2116163	+	7.206E-14	8.263E-13	-0.31195	hypo	sig	chr2_2116163
chr19	58368490	58368490	+	7.207E-14	8.263E-13	0.247616	hyper	sig	chr19_58368490
chr1	1.47E+08	147077696	+	7.208E-14	8.2642E-13	0.286521	hyper	sig	chr1_147077696
chr19	41904347	41904347	+	7.208E-14	8.2648E-13	-0.249	hypo	sig	chr19_41904347
chr19	45472940	45472940	+	7.212E-14	8.2691E-13	0.271324	hyper	sig	chr19_45472940
chr9	94554892	94554892	+	7.215E-14	8.2717E-13	-0.22978	hypo	sig	chr9_94554892
chr6	31575878	31575878	+	7.218E-14	8.275E-13	-0.26079	hypo	sig	chr6_31575878
chr15	77904381	77904381	+	7.218E-14	8.2751E-13	-0.28561	hypo	sig	chr15_77904381
chr4	1.24E+08	123547716	+	7.222E-14	8.279E-13	-0.25947	hypo	sig	chr4_123547716
chr1	7945048	7945048	+	7.223E-14	8.2798E-13	-0.30837	hypo	sig	chr1_7945048
chr17	44558609	44558609	+	7.223E-14	8.2803E-13	0.279316	hyper	sig	chr17_44558609
chr1	1.55E+08	155320543	+	7.225E-14	8.282E-13	0.206763	hyper	sig	chr1_155320543
chr20	24469713	24469713	+	7.227E-14	8.2844E-13	0.241944	hyper	sig	chr20_24469713
chr10	1.29E+08	129035757	+	7.233E-14	8.2912E-13	-0.22509	hypo	sig	chr10_129035757
chr7	42227920	42227920	+	7.237E-14	8.2951E-13	0.204559	hyper	sig	chr7_42227920
chr15	61229980	61229980	+	7.243E-14	8.3024E-13	0.270312	hyper	sig	chr15_61229980
chr17	48564683	48564683	+	7.245E-14	8.3048E-13	0.296071	hyper	sig	chr17_48564683
chr11	12010001	12010001	+	7.248E-14	8.3075E-13	-0.32654	hypo	sig	chr11_12010001
chr10	92420801	92420801	+	7.259E-14	8.3194E-13	0.252919	hyper	sig	chr10_92420801
chr19	44776508	44776508	+	7.265E-14	8.3265E-13	-0.25741	hypo	sig	chr19_44776508
chr9	1.36E+08	136364609	+	7.269E-14	8.3313E-13	0.324062	hyper	sig	chr9_136364609
chr19	58306127	58306127	+	7.27E-14	8.3322E-13	-0.20234	hypo	sig	chr19_58306127
chr19	43699505	43699505	+	7.272E-14	8.3338E-13	0.286145	hyper	sig	chr19_43699505
chr6	2987474	2987474	+	7.277E-14	8.3395E-13	-0.25654	hypo	sig	chr6_2987474
chr6	1.66E+08	165792284	+	7.279E-14	8.3415E-13	-0.22579	hypo	sig	chr6_165792284
chr7	1.58E+08	157832297	+	7.281E-14	8.3444E-13	0.221425	hyper	sig	chr7_157832297
chr6	10422379	10422379	+	7.284E-14	8.3472E-13	0.244345	hyper	sig	chr6_10422379
chr8	1029504	1029504	+	7.288E-14	8.3521E-13	-0.26789	hypo	sig	chr8_1029504
chr14	49770922	49770922	+	7.291E-14	8.3549E-13	-0.22768	hypo	sig	chr14_49770922
chr13	1.12E+08	111534802	+	7.296E-14	8.3607E-13	0.253987	hyper	sig	chr13_111534802
chr5	1.46E+08	146343304	+	7.298E-14	8.3635E-13	0.269143	hyper	sig	chr5_146343304
chr7	1.46E+08	146116468	+	7.298E-14	8.3635E-13	0.207057	hyper	sig	chr7_146116468
chr11	416431	416431	+	7.299E-14	8.3637E-13	-0.23381	hypo	sig	chr11_416431
chr9	1.3E+08	129724150	+	7.299E-14	8.3637E-13	-0.27692	hypo	sig	chr9_129724150
chr17	78645867	78645867	+	7.3E-14	8.3651E-13	-0.23709	hypo	sig	chr17_78645867
chr2	1.3E+08	130005943	+	7.305E-14	8.3709E-13	0.206882	hyper	sig	chr2_130005943
chr14	28759129	28759129	+	7.306E-14	8.3717E-13	0.203512	hyper	sig	chr14_28759129
chr16	70686409	70686409	+	7.314E-14	8.38E-13	0.266242	hyper	sig	chr16_70686409
chr1	1445241	1445241	+	7.32E-14	8.3867E-13	-0.23277	hypo	sig	chr1_1445241
chr17	1484245	1484245	+	7.32E-14	8.3872E-13	0.247162	hyper	sig	chr17_1484245
chr5	1295830	1295830	+	7.323E-14	8.3903E-13	0.29464	hyper	sig	chr5_1295830
chr7	52668854	52668854	+	7.327E-14	8.3948E-13	-0.3325	hypo	sig	chr7_52668854
chr13	99989242	99989242	+	7.329E-14	8.3967E-13	0.262072	hyper	sig	chr13_99989242
chr13	78607203	78607203	+	7.336E-14	8.4039E-13	0.259348	hyper	sig	chr13_78607203

chr3	1.39E+08	138944549	+	7.337E-14	8.4058E-13	0.251886	hyper	sig	chr3_138944549
chr15	81134006	81134006	+	7.343E-14	8.4121E-13	0.284712	hyper	sig	chr15_81134006
chr7	920713	920713	+	7.344E-14	8.4127E-13	-0.27559	hypo	sig	chr7_920713
chr10	666081	666081	+	7.344E-14	8.4133E-13	0.209159	hyper	sig	chr10_666081
chr18	79523531	79523531	+	7.346E-14	8.4152E-13	-0.22607	hypo	sig	chr18_79523531
chr10	6191792	6191792	+	7.347E-14	8.4163E-13	0.219608	hyper	sig	chr10_6191792
chr6	1.06E+08	105981343	+	7.349E-14	8.4184E-13	0.230909	hyper	sig	chr6_105981343
chr17	79132504	79132504	+	7.352E-14	8.4218E-13	-0.22814	hypo	sig	chr17_79132504
chr15	74134545	74134545	+	7.353E-14	8.4223E-13	0.216996	hyper	sig	chr15_74134545
chr17	82332192	82332192	+	7.365E-14	8.4365E-13	-0.2446	hypo	sig	chr17_82332192
chr4	2036597	2036597	+	7.368E-14	8.4393E-13	-0.22368	hypo	sig	chr4_2036597
chr2	1.76E+08	176083407	+	7.371E-14	8.4428E-13	0.246511	hyper	sig	chr2_176083407
chr20	62564064	62564064	+	7.371E-14	8.4428E-13	-0.22037	hypo	sig	chr20_62564064
chr5	1.07E+08	107494426	+	7.372E-14	8.4435E-13	-0.25555	hypo	sig	chr5_107494426
chr6	33007559	33007559	+	7.383E-14	8.4558E-13	-0.21552	hypo	sig	chr6_33007559
chr20	36856524	36856524	+	7.388E-14	8.462E-13	0.248843	hyper	sig	chr20_36856524
chr2	2.2E+08	219516510	+	7.389E-14	8.4628E-13	-0.28217	hypo	sig	chr2_219516510
chr10	27413843	27413843	+	7.399E-14	8.4734E-13	0.254173	hyper	sig	chr10_27413843
chr1	2.35E+08	234553815	+	7.4E-14	8.4753E-13	0.220247	hyper	sig	chr1_234553815
chr12	57241681	57241681	+	7.401E-14	8.4764E-13	0.220763	hyper	sig	chr12_57241681
chr9	1.24E+08	124487306	+	7.402E-14	8.4765E-13	0.212543	hyper	sig	chr9_124487306
chr10	1.25E+08	124623719	+	7.405E-14	8.4807E-13	0.213864	hyper	sig	chr10_124623719
chr1	2.21E+08	220891621	+	7.409E-14	8.4845E-13	0.227727	hyper	sig	chr1_220891621
chr11	1410603	1410603	+	7.416E-14	8.4919E-13	-0.22209	hypo	sig	chr11_1410603
chr7	1.5E+08	149765700	+	7.417E-14	8.4926E-13	0.323393	hyper	sig	chr7_149765700
chr12	1797565	1797565	+	7.419E-14	8.4946E-13	-0.20398	hypo	sig	chr12_1797565
chr6	28259620	28259620	+	7.42E-14	8.4964E-13	0.249699	hyper	sig	chr6_28259620
chr14	92688154	92688154	+	7.425E-14	8.5016E-13	0.324656	hyper	sig	chr14_92688154
chr10	1404693	1404693	+	7.426E-14	8.5022E-13	-0.20352	hypo	sig	chr10_1404693
chr11	1114048	1114048	+	7.427E-14	8.5036E-13	-0.21051	hypo	sig	chr11_1114048
chr4	1.11E+08	110633814	+	7.429E-14	8.5061E-13	0.269586	hyper	sig	chr4_110633814
chr17	40027477	40027477	+	7.43E-14	8.5066E-13	0.251564	hyper	sig	chr17_40027477
chr18	12911770	12911770	+	7.431E-14	8.5079E-13	0.299446	hyper	sig	chr18_12911770
chr2	12718627	12718627	+	7.444E-14	8.5228E-13	0.200778	hyper	sig	chr2_12718627
chr19	49196717	49196717	+	7.452E-14	8.5312E-13	0.286127	hyper	sig	chr19_49196717
chr5	1.73E+08	173233999	+	7.453E-14	8.5323E-13	0.224269	hyper	sig	chr5_173233999
chr12	1.15E+08	114700190	+	7.454E-14	8.5336E-13	0.264559	hyper	sig	chr12_114700190
chr5	63961293	63961293	+	7.456E-14	8.5351E-13	0.312744	hyper	sig	chr5_63961293
chr8	58147929	58147929	+	7.456E-14	8.5351E-13	-0.26519	hypo	sig	chr8_58147929
chr2	1055145	1055145	+	7.458E-14	8.5376E-13	-0.24374	hypo	sig	chr2_1055145
chr7	1.59E+08	158569971	+	7.46E-14	8.5395E-13	0.349652	hyper	sig	chr7_158569971
chr12	1.07E+08	106955075	+	7.467E-14	8.5474E-13	0.23949	hyper	sig	chr12_106955075
chr2	63053900	63053900	+	7.47E-14	8.5506E-13	0.291779	hyper	sig	chr2_63053900
chr17	79836101	79836101	+	7.474E-14	8.555E-13	-0.2489	hypo	sig	chr17_79836101
chr11	1.33E+08	133066533	+	7.481E-14	8.5627E-13	-0.22294	hypo	sig	chr11_133066533
chr22	42079072	42079072	+	7.482E-14	8.5639E-13	0.294113	hyper	sig	chr22_42079072
chr5	77785538	77785538	+	7.487E-14	8.5694E-13	-0.2701	hypo	sig	chr5_77785538
chr2	1.61E+08	161417929	+	7.493E-14	8.5763E-13	0.279853	hyper	sig	chr2_161417929
chr2	1937751	1937751	+	7.493E-14	8.5763E-13	-0.20575	hypo	sig	chr2_1937751
chr16	982312	982312	+	7.499E-14	8.5822E-13	0.221058	hyper	sig	chr16_982312
chr11	79438324	79438324	+	7.5E-14	8.5835E-13	0.253736	hyper	sig	chr11_79438324
chr5	1.59E+08	159095595	+	7.501E-14	8.5846E-13	0.230517	hyper	sig	chr5_159095595
chr10	1.29E+08	128959094	+	7.502E-14	8.5861E-13	-0.25919	hypo	sig	chr10_128959094
chr16	85551716	85551716	+	7.503E-14	8.5863E-13	-0.27862	hypo	sig	chr16_85551716
chr12	1.14E+08	114405616	+	7.504E-14	8.5883E-13	0.27225	hyper	sig	chr12_114405616
chr6	28478706	28478706	+	7.511E-14	8.5953E-13	-0.2392	hypo	sig	chr6_28478706

chr18	78925470	78925470	+	7.518E-14	8.6029E-13	-0.30259	hypo	sig	chr18_78925470
chr17	45430356	45430356	+	7.522E-14	8.6071E-13	0.27347	hyper	sig	chr17_45430356
chr16	28984723	28984723	+	7.524E-14	8.6093E-13	-0.26182	hypo	sig	chr16_28984723
chr4	823697	823697	+	7.524E-14	8.6094E-13	0.254822	hyper	sig	chr4_823697
chr3	32819133	32819133	+	7.526E-14	8.6121E-13	0.351392	hyper	sig	chr3_32819133
chr19	15141629	15141629	+	7.532E-14	8.6189E-13	-0.22334	hypo	sig	chr19_15141629
chr20	9514721	9514721	+	7.535E-14	8.6214E-13	0.253895	hyper	sig	chr20_9514721
chr16	3192773	3192773	+	7.536E-14	8.6223E-13	0.242162	hyper	sig	chr16_3192773
chr10	73910690	73910690	+	7.541E-14	8.6289E-13	-0.22878	hypo	sig	chr10_73910690
chr16	30821473	30821473	+	7.542E-14	8.6296E-13	-0.22927	hypo	sig	chr16_30821473
chr20	58229148	58229148	+	7.545E-14	8.6332E-13	0.200094	hyper	sig	chr20_58229148
chr5	1.41E+08	141350354	+	7.549E-14	8.6375E-13	0.276949	hyper	sig	chr5_141350354
chr14	1.04E+08	103513152	+	7.554E-14	8.6423E-13	0.234043	hyper	sig	chr14_103513152
chr16	70451147	70451147	+	7.567E-14	8.6572E-13	0.265964	hyper	sig	chr16_70451147
chr17	21275142	21275142	+	7.567E-14	8.6572E-13	0.317581	hyper	sig	chr17_21275142
chr16	88151365	88151365	+	7.576E-14	8.6666E-13	-0.23994	hypo	sig	chr16_88151365
chr10	37076227	37076227	+	7.578E-14	8.6688E-13	-0.23816	hypo	sig	chr10_37076227
chr10	67750240	67750240	+	7.589E-14	8.6812E-13	-0.22776	hypo	sig	chr10_67750240
chr16	3949198	3949198	+	7.599E-14	8.693E-13	0.223203	hyper	sig	chr16_3949198
chr12	56488795	56488795	+	7.601E-14	8.6948E-13	0.257092	hyper	sig	chr12_56488795
chr8	26040266	26040266	+	7.602E-14	8.6962E-13	0.28337	hyper	sig	chr8_26040266
chr1	2.28E+08	228469716	+	7.604E-14	8.6986E-13	0.313962	hyper	sig	chr1_228469716
chr17	41712886	41712886	+	7.605E-14	8.6992E-13	-0.34296	hypo	sig	chr17_41712886
chr6	3160309	3160309	+	7.619E-14	8.7144E-13	-0.24869	hypo	sig	chr6_3160309
chr19	3136513	3136513	+	7.619E-14	8.7147E-13	-0.2316	hypo	sig	chr19_3136513
chr5	1.81E+08	180607910	+	7.622E-14	8.718E-13	-0.24235	hypo	sig	chr5_180607910
chr6	28616395	28616395	+	7.623E-14	8.719E-13	0.269219	hyper	sig	chr6_28616395
chr17	851059	851059	+	7.624E-14	8.7194E-13	0.204684	hyper	sig	chr17_851059
chr12	7872971	7872971	+	7.624E-14	8.7197E-13	0.205386	hyper	sig	chr12_7872971
chr17	39940395	39940395	+	7.626E-14	8.722E-13	0.211229	hyper	sig	chr17_39940395
chr10	1.01E+08	101146800	+	7.628E-14	8.7243E-13	0.208295	hyper	sig	chr10_101146800
chr15	98293168	98293168	+	7.628E-14	8.7245E-13	0.216605	hyper	sig	chr15_98293168
chr7	56174541	56174541	+	7.638E-14	8.7352E-13	0.2866	hyper	sig	chr7_56174541
chr11	39161723	39161723	+	7.641E-14	8.7383E-13	-0.22272	hypo	sig	chr11_39161723
chr10	1.03E+08	103277955	+	7.648E-14	8.7467E-13	0.267708	hyper	sig	chr10_103277955
chr9	1.35E+08	135244170	+	7.65E-14	8.7481E-13	-0.3219	hypo	sig	chr9_135244170
chr7	4268488	4268488	+	7.651E-14	8.7495E-13	-0.26701	hypo	sig	chr7_4268488
chr2	1.29E+08	128526724	+	7.651E-14	8.7498E-13	-0.27167	hypo	sig	chr2_128526724
chr17	19470952	19470952	+	7.652E-14	8.7511E-13	0.239152	hyper	sig	chr17_19470952
chr8	53878012	53878012	+	7.658E-14	8.7575E-13	0.231529	hyper	sig	chr8_53878012
chr5	77972631	77972631	+	7.661E-14	8.7608E-13	0.304293	hyper	sig	chr5_77972631
chr11	67452533	67452533	+	7.67E-14	8.7701E-13	-0.22693	hypo	sig	chr11_67452533
chr17	950680	950680	+	7.671E-14	8.7717E-13	0.275059	hyper	sig	chr17_950680
chr7	1736403	1736403	+	7.675E-14	8.7759E-13	-0.25739	hypo	sig	chr7_1736403
chr20	46033474	46033474	+	7.68E-14	8.7816E-13	-0.26238	hypo	sig	chr20_46033474
chr7	1.54E+08	153887320	+	7.682E-14	8.7834E-13	0.28981	hyper	sig	chr7_153887320
chr13	99989158	99989158	+	7.685E-14	8.7872E-13	0.206671	hyper	sig	chr13_99989158
chr2	1.24E+08	124025330	+	7.685E-14	8.7872E-13	0.260541	hyper	sig	chr2_124025330
chr12	43552031	43552031	+	7.691E-14	8.7935E-13	0.351147	hyper	sig	chr12_43552031
chr20	56625871	56625871	+	7.697E-14	8.7997E-13	0.241668	hyper	sig	chr20_56625871
chr8	66961234	66961234	+	7.7E-14	8.8035E-13	0.243126	hyper	sig	chr8_66961234
chr2	1.21E+08	120580968	+	7.701E-14	8.8048E-13	-0.24077	hypo	sig	chr2_120580968
chr7	1.55E+08	154898609	+	7.703E-14	8.8064E-13	-0.28826	hypo	sig	chr7_154898609
chr19	23999802	23999802	+	7.704E-14	8.807E-13	-0.20014	hypo	sig	chr19_23999802
chr1	2334919	2334919	+	7.717E-14	8.822E-13	-0.20585	hypo	sig	chr1_2334919
chr5	73301489	73301489	+	7.718E-14	8.8229E-13	0.200499	hyper	sig	chr5_73301489

chr12	53961635	53961635	+	7.719E-14	8.8237E-13	0.241688	hyper	sig	chr12_53961635
chr16	87637657	87637657	+	7.725E-14	8.8311E-13	-0.25284	hypo	sig	chr16_87637657
chr20	63773425	63773425	+	7.736E-14	8.8428E-13	-0.29212	hypo	sig	chr20_63773425
chr10	68562134	68562134	+	7.739E-14	8.8464E-13	0.281577	hyper	sig	chr10_68562134
chr8	64586065	64586065	+	7.74E-14	8.8469E-13	0.354781	hyper	sig	chr8_64586065
chr5	1.35E+08	135490106	+	7.747E-14	8.8551E-13	0.212799	hyper	sig	chr5_135490106
chr17	81330900	81330900	+	7.75E-14	8.8585E-13	-0.27689	hypo	sig	chr17_81330900
chr2	1.49E+08	149034537	+	7.75E-14	8.8585E-13	-0.22063	hypo	sig	chr2_149034537
chr17	7855628	7855628	+	7.752E-14	8.8602E-13	0.294142	hyper	sig	chr17_7855628
chr2	20107034	20107034	+	7.754E-14	8.8624E-13	0.227128	hyper	sig	chr2_20107034
chr6	1.05E+08	104941578	+	7.758E-14	8.8661E-13	0.277883	hyper	sig	chr6_104941578
chr17	79925862	79925862	+	7.76E-14	8.8687E-13	-0.28849	hypo	sig	chr17_79925862
chr11	1.34E+08	134471547	+	7.762E-14	8.8713E-13	0.272491	hyper	sig	chr11_134471547
chr14	73713294	73713294	+	7.766E-14	8.8758E-13	0.241291	hyper	sig	chr14_73713294
chr2	70789697	70789697	+	7.77E-14	8.8801E-13	0.225658	hyper	sig	chr2_70789697
chr20	31721660	31721660	+	7.772E-14	8.8814E-13	-0.22768	hypo	sig	chr20_31721660
chr4	10108508	10108508	+	7.772E-14	8.8814E-13	0.214183	hyper	sig	chr4_10108508
chr5	1.81E+08	180629274	+	7.782E-14	8.8925E-13	-0.29019	hypo	sig	chr5_180629274
chr19	36776121	36776121	+	7.783E-14	8.8937E-13	0.31218	hyper	sig	chr19_36776121
chr10	8047681	8047681	+	7.783E-14	8.8938E-13	0.253159	hyper	sig	chr10_8047681
chr13	27976103	27976103	+	7.784E-14	8.8948E-13	0.300162	hyper	sig	chr13_27976103
chr1	89844508	89844508	+	7.786E-14	8.8965E-13	-0.22069	hypo	sig	chr1_89844508
chr4	1404097	1404097	+	7.787E-14	8.8974E-13	0.245952	hyper	sig	chr4_1404097
chr9	37029808	37029808	+	7.787E-14	8.8981E-13	0.202474	hyper	sig	chr9_37029808
chr5	1.35E+08	135399854	+	7.792E-14	8.9033E-13	0.205579	hyper	sig	chr5_135399854
chr19	57145828	57145828	+	7.795E-14	8.9063E-13	-0.24917	hypo	sig	chr19_57145828
chr20	46307469	46307469	+	7.796E-14	8.9072E-13	0.212283	hyper	sig	chr20_46307469
chr14	60644032	60644032	+	7.808E-14	8.9205E-13	0.261907	hyper	sig	chr14_60644032
chr12	54047385	54047385	+	7.811E-14	8.9239E-13	0.265169	hyper	sig	chr12_54047385
chr2	2.39E+08	239118495	+	7.812E-14	8.9251E-13	0.215414	hyper	sig	chr2_239118495
chr12	85278054	85278054	+	7.815E-14	8.9282E-13	0.200028	hyper	sig	chr12_85278054
chr13	1.11E+08	111046784	+	7.815E-14	8.9289E-13	-0.2306	hypo	sig	chr13_111046784
chr15	25863569	25863569	+	7.816E-14	8.9289E-13	0.214868	hyper	sig	chr15_25863569
chr14	60641574	60641574	+	7.816E-14	8.9294E-13	0.295786	hyper	sig	chr14_60641574
chr8	1.44E+08	143891644	+	7.817E-14	8.9304E-13	-0.2596	hypo	sig	chr8_143891644
chr2	394242	394242	+	7.818E-14	8.9314E-13	-0.23255	hypo	sig	chr2_394242
chr17	1977841	1977841	+	7.821E-14	8.9349E-13	0.207308	hyper	sig	chr17_1977841
chr10	1.16E+08	116271351	+	7.825E-14	8.9385E-13	0.293177	hyper	sig	chr10_116271351
chr5	3103656	3103656	+	7.825E-14	8.9385E-13	0.229666	hyper	sig	chr5_3103656
chr17	81652122	81652122	+	7.825E-14	8.9392E-13	-0.23689	hypo	sig	chr17_81652122
chr5	1.41E+08	141201157	+	7.826E-14	8.9394E-13	0.294844	hyper	sig	chr5_141201157
chr18	37567234	37567234	+	7.833E-14	8.947E-13	0.201026	hyper	sig	chr18_37567234
chr19	37790776	37790776	+	7.836E-14	8.9501E-13	0.289611	hyper	sig	chr19_37790776
chr21	42669046	42669046	+	7.836E-14	8.9503E-13	0.303947	hyper	sig	chr21_42669046
chr11	1.12E+08	111513139	+	7.839E-14	8.9537E-13	0.211021	hyper	sig	chr11_111513139
chr17	48554662	48554662	+	7.841E-14	8.9556E-13	0.26709	hyper	sig	chr17_48554662
chr17	79183600	79183600	+	7.841E-14	8.9563E-13	0.266675	hyper	sig	chr17_79183600
chr19	56368049	56368049	+	7.846E-14	8.9617E-13	0.25491	hyper	sig	chr19_56368049
chr12	1.17E+08	117259739	+	7.857E-14	8.974E-13	-0.21914	hypo	sig	chr12_117259739
chr6	30071145	30071145	+	7.86E-14	8.9766E-13	0.222184	hyper	sig	chr6_30071145
chr1	1.53E+08	152686129	+	7.866E-14	8.9839E-13	-0.27652	hypo	sig	chr1_152686129
chr13	1.11E+08	111121529	+	7.871E-14	8.9887E-13	-0.34559	hypo	sig	chr13_111121529
chr8	1.44E+08	144339098	+	7.876E-14	8.9951E-13	0.274959	hyper	sig	chr8_144339098
chr5	1952748	1952748	+	7.878E-14	8.9969E-13	0.201941	hyper	sig	chr5_1952748
chr7	1.57E+08	157005139	+	7.879E-14	8.9977E-13	0.33452	hyper	sig	chr7_157005139
chr3	1.34E+08	134371621	+	7.884E-14	9.0029E-13	0.246225	hyper	sig	chr3_134371621

chr1	1.03E+08	102660253	+	7.893E-14	9.0133E-13	-0.25945	hypo	sig	chr1_102660253
chr11	75554150	75554150	+	7.897E-14	9.0173E-13	0.329169	hyper	sig	chr11_75554150
chr15	37095278	37095278	+	7.903E-14	9.0247E-13	0.267346	hyper	sig	chr15_37095278
chr11	69818154	69818154	+	7.909E-14	9.0311E-13	0.271891	hyper	sig	chr11_69818154
chr8	1.04E+08	103500930	+	7.91E-14	9.0322E-13	0.209131	hyper	sig	chr8_103500930
chr10	48685477	48685477	+	7.914E-14	9.0366E-13	-0.20486	hypo	sig	chr10_48685477
chr9	95041696	95041696	+	7.92E-14	9.0424E-13	-0.25476	hypo	sig	chr9_95041696
chr4	89836247	89836247	+	7.92E-14	9.043E-13	0.237171	hyper	sig	chr4_89836247
chr11	2869504	2869504	+	7.921E-14	9.0443E-13	0.237944	hyper	sig	chr11_2869504
chr8	71844414	71844414	+	7.927E-14	9.0498E-13	0.254498	hyper	sig	chr8_71844414
chr13	94706242	94706242	+	7.928E-14	9.0511E-13	0.200429	hyper	sig	chr13_94706242
chr11	46361175	46361175	+	7.93E-14	9.0534E-13	0.222615	hyper	sig	chr11_46361175
chr5	1.41E+08	141215521	+	7.933E-14	9.0571E-13	0.273558	hyper	sig	chr5_141215521
chr12	1.2E+08	120361861	+	7.937E-14	9.0615E-13	0.259882	hyper	sig	chr12_120361861
chr8	1432924	1432924	+	7.937E-14	9.0615E-13	-0.20487	hypo	sig	chr8_1432924
chr16	88485033	88485033	+	7.938E-14	9.0618E-13	-0.22607	hypo	sig	chr16_88485033
chr2	66445210	66445210	+	7.938E-14	9.0618E-13	0.242007	hyper	sig	chr2_66445210
chr2	2.38E+08	238231410	+	7.938E-14	9.0618E-13	0.242009	hyper	sig	chr2_238231410
chr10	1.33E+08	132547751	+	7.942E-14	9.0658E-13	-0.23353	hypo	sig	chr10_132547751
chr17	49965553	49965553	+	7.942E-14	9.0664E-13	0.239859	hyper	sig	chr17_49965553
chr5	1207008	1207008	+	7.943E-14	9.0667E-13	0.223547	hyper	sig	chr5_1207008
chr16	12903735	12903735	+	7.944E-14	9.068E-13	0.216469	hyper	sig	chr16_12903735
chr10	1474922	1474922	+	7.944E-14	9.0685E-13	0.23531	hyper	sig	chr10_1474922
chr10	13891494	13891494	+	7.952E-14	9.0767E-13	0.216163	hyper	sig	chr10_13891494
chr7	1353053	1353053	+	7.962E-14	9.0878E-13	-0.2383	hypo	sig	chr7_1353053
chr1	1.56E+08	156368912	+	7.965E-14	9.0917E-13	-0.2285	hypo	sig	chr1_156368912
chr2	38960661	38960661	+	7.965E-14	9.0918E-13	0.332217	hyper	sig	chr2_38960661
chr17	10197810	10197810	+	7.966E-14	9.0922E-13	0.235563	hyper	sig	chr17_10197810
chr12	1.14E+08	114480840	+	7.968E-14	9.0945E-13	0.201286	hyper	sig	chr12_114480840
chr16	29211027	29211027	+	7.977E-14	9.1048E-13	-0.23673	hypo	sig	chr16_29211027
chr11	31800057	31800057	+	7.979E-14	9.1072E-13	0.335714	hyper	sig	chr11_31800057
chr19	52492405	52492405	+	7.984E-14	9.1126E-13	0.201208	hyper	sig	chr19_52492405
chr6	1.7E+08	170058779	+	7.985E-14	9.1136E-13	-0.22328	hypo	sig	chr6_170058779
chr5	1.77E+08	177402348	+	7.989E-14	9.1177E-13	0.226781	hyper	sig	chr5_177402348
chr1	50047973	50047973	+	7.99E-14	9.1191E-13	0.235056	hyper	sig	chr1_50047973
chr5	1.62E+08	161548947	+	7.992E-14	9.1211E-13	0.205796	hyper	sig	chr5_161548947
chr8	48543773	48543773	+	7.998E-14	9.1267E-13	-0.29529	hypo	sig	chr8_48543773
chr17	4785963	4785963	+	8.004E-14	9.1337E-13	0.256971	hyper	sig	chr17_4785963
chr11	1804023	1804023	+	8.015E-14	9.1459E-13	-0.33604	hypo	sig	chr11_1804023
chr22	48334686	48334686	+	8.016E-14	9.1477E-13	-0.23744	hypo	sig	chr22_48334686
chr11	30016182	30016182	+	8.018E-14	9.1488E-13	0.26561	hyper	sig	chr11_30016182
chr10	99531181	99531181	+	8.021E-14	9.1524E-13	0.232554	hyper	sig	chr10_99531181
chr1	1.53E+08	152776362	+	8.022E-14	9.1531E-13	-0.21325	hypo	sig	chr1_152776362
chr5	64507180	64507180	+	8.022E-14	9.1531E-13	0.332109	hyper	sig	chr5_64507180
chr5	77973118	77973118	+	8.022E-14	9.1531E-13	0.270997	hyper	sig	chr5_77973118
chr15	96367916	96367916	+	8.023E-14	9.1538E-13	0.346496	hyper	sig	chr15_96367916
chr3	62371470	62371470	+	8.023E-14	9.1538E-13	0.307688	hyper	sig	chr3_62371470
chr9	1.35E+08	134831338	+	8.035E-14	9.1679E-13	-0.26089	hypo	sig	chr9_134831338
chr1	25695166	25695166	+	8.041E-14	9.1737E-13	0.220048	hyper	sig	chr1_25695166
chr15	51751109	51751109	+	8.042E-14	9.1754E-13	0.220679	hyper	sig	chr15_51751109
chr14	77181139	77181139	+	8.051E-14	9.1856E-13	-0.25456	hypo	sig	chr14_77181139
chr1	75130572	75130572	+	8.06E-14	9.1948E-13	0.222948	hyper	sig	chr1_75130572
chr8	53592214	53592214	+	8.062E-14	9.1974E-13	-0.24379	hypo	sig	chr8_53592214
chr19	55452519	55452519	+	8.074E-14	9.2105E-13	0.303952	hyper	sig	chr19_55452519
chr9	1.34E+08	133739906	+	8.082E-14	9.2191E-13	-0.23874	hypo	sig	chr9_133739906
chr3	1.54E+08	154122917	+	8.089E-14	9.2269E-13	0.249926	hyper	sig	chr3_154122917

chr6	26017873	26017873	+	8.093E-14	9.2321E-13	0.224433	hyper	sig	chr6_26017873
chr11	70662075	70662075	+	8.094E-14	9.2323E-13	0.280723	hyper	sig	chr11_70662075
chr21	45444058	45444058	+	8.095E-14	9.2332E-13	-0.26467	hypo	sig	chr21_45444058
chr16	85196070	85196070	+	8.098E-14	9.2364E-13	0.226488	hyper	sig	chr16_85196070
chr7	1.3E+08	130483499	+	8.1E-14	9.2393E-13	-0.27426	hypo	sig	chr7_130483499
chr11	32426718	32426718	+	8.109E-14	9.2489E-13	0.32184	hyper	sig	chr11_32426718
chr1	33307365	33307365	+	8.111E-14	9.251E-13	0.323093	hyper	sig	chr1_33307365
chr1	1.81E+08	180923487	+	8.112E-14	9.2526E-13	-0.20748	hypo	sig	chr1_180923487
chr16	81493738	81493738	+	8.115E-14	9.2558E-13	-0.21156	hypo	sig	chr16_81493738
chr19	41088212	41088212	+	8.117E-14	9.2575E-13	-0.3051	hypo	sig	chr19_41088212
chr11	1.08E+08	108499260	+	8.117E-14	9.2578E-13	0.258127	hyper	sig	chr11_108499260
chr16	86507841	86507841	+	8.126E-14	9.2671E-13	0.279069	hyper	sig	chr16_86507841
chr5	1.59E+08	159095425	+	8.132E-14	9.2741E-13	0.270375	hyper	sig	chr5_159095425
chr9	1.37E+08	136562094	+	8.133E-14	9.2748E-13	-0.29146	hypo	sig	chr9_136562094
chr11	18209207	18209207	+	8.133E-14	9.2751E-13	0.322447	hyper	sig	chr11_18209207
chr17	44268110	44268110	+	8.137E-14	9.2787E-13	-0.29657	hypo	sig	chr17_44268110
chr5	41509974	41509974	+	8.141E-14	9.2829E-13	0.215493	hyper	sig	chr5_41509974
chr3	1.58E+08	158095533	+	8.146E-14	9.2886E-13	0.282755	hyper	sig	chr3_158095533
chr16	66948790	66948790	+	8.147E-14	9.2899E-13	0.229096	hyper	sig	chr16_66948790
chr19	11454741	11454741	+	8.147E-14	9.2899E-13	-0.25892	hypo	sig	chr19_11454741
chr2	1.28E+08	128485878	+	8.149E-14	9.2912E-13	-0.31155	hypo	sig	chr2_128485878
chr9	1.22E+08	122220503	+	8.151E-14	9.2938E-13	0.358089	hyper	sig	chr9_122220503
chr2	1.61E+08	161416872	+	8.154E-14	9.2965E-13	0.212468	hyper	sig	chr2_161416872
chr17	2057998	2057998	+	8.158E-14	9.3014E-13	0.259086	hyper	sig	chr17_2057998
chr12	37542261	37542261	+	8.17E-14	9.3143E-13	-0.24066	hypo	sig	chr12_37542261
chr2	1.76E+08	176078959	+	8.174E-14	9.3195E-13	0.239802	hyper	sig	chr2_176078959
chr17	5116488	5116488	+	8.182E-14	9.3281E-13	0.284204	hyper	sig	chr17_5116488
chr2	2.22E+08	222295473	+	8.182E-14	9.3281E-13	0.218843	hyper	sig	chr2_222295473
chr16	89248179	89248179	+	8.183E-14	9.3292E-13	0.264004	hyper	sig	chr16_89248179
chr2	2.42E+08	241804162	+	8.184E-14	9.3302E-13	0.241129	hyper	sig	chr2_241804162
chr16	62036477	62036477	+	8.185E-14	9.3309E-13	0.242588	hyper	sig	chr16_62036477
chr6	1.06E+08	106135409	+	8.198E-14	9.3457E-13	-0.2282	hypo	sig	chr6_106135409
chr3	37994299	37994299	+	8.199E-14	9.3465E-13	0.226671	hyper	sig	chr3_37994299
chr6	32088661	32088661	+	8.205E-14	9.3528E-13	-0.24627	hypo	sig	chr6_32088661
chr15	37096379	37096379	+	8.21E-14	9.3589E-13	0.239013	hyper	sig	chr15_37096379
chr19	52536326	52536326	+	8.21E-14	9.3591E-13	0.311003	hyper	sig	chr19_52536326
chr3	1.4E+08	139936441	+	8.211E-14	9.3593E-13	0.236644	hyper	sig	chr3_139936441
chr9	1.22E+08	122220141	+	8.211E-14	9.3601E-13	0.250819	hyper	sig	chr9_122220141
chr8	1.43E+08	142500138	+	8.216E-14	9.365E-13	0.314968	hyper	sig	chr8_142500138
chr17	42784492	42784492	+	8.217E-14	9.3663E-13	0.216064	hyper	sig	chr17_42784492
chr2	87584297	87584297	+	8.218E-14	9.3677E-13	0.221368	hyper	sig	chr2_87584297
chr10	665619	665619	+	8.222E-14	9.3712E-13	0.210736	hyper	sig	chr10_665619
chr10	1.01E+08	101238290	+	8.227E-14	9.3771E-13	0.253876	hyper	sig	chr10_101238290
chr6	1.46E+08	146029387	+	8.228E-14	9.3776E-13	0.24891	hyper	sig	chr6_146029387
chr16	67993172	67993172	+	8.228E-14	9.3782E-13	0.229762	hyper	sig	chr16_67993172
chr7	1E+08	100177955	+	8.235E-14	9.3855E-13	0.298942	hyper	sig	chr7_100177955
chr2	81481549	81481549	+	8.236E-14	9.3872E-13	-0.28614	hypo	sig	chr2_81481549
chr5	77851317	77851317	+	8.239E-14	9.39E-13	0.282612	hyper	sig	chr5_77851317
chr18	46072626	46072626	+	8.241E-14	9.3915E-13	0.225235	hyper	sig	chr18_46072626
chr1	1.82E+08	182056909	+	8.246E-14	9.397E-13	0.218569	hyper	sig	chr1_182056909
chr7	2676731	2676731	+	8.248E-14	9.3997E-13	-0.22356	hypo	sig	chr7_2676731
chr11	18412340	18412340	+	8.253E-14	9.4057E-13	0.265387	hyper	sig	chr11_18412340
chr3	32819759	32819759	+	8.255E-14	9.4075E-13	0.279321	hyper	sig	chr3_32819759
chr14	53952947	53952947	+	8.255E-14	9.4076E-13	0.376629	hyper	sig	chr14_53952947
chr8	11018024	11018024	+	8.257E-14	9.4099E-13	-0.22136	hypo	sig	chr8_11018024
chr10	1.01E+08	101216958	+	8.259E-14	9.4116E-13	0.254085	hyper	sig	chr10_101216958

chr6	1.59E+08	158999029	+	8.26E-14	9.4127E-13	-0.24216	hypo	sig	chr6_158999029
chr7	1.5E+08	150221137	+	8.263E-14	9.4154E-13	0.225443	hyper	sig	chr7_150221137
chr19	49048781	49048781	+	8.271E-14	9.4245E-13	-0.24652	hypo	sig	chr19_49048781
chr17	10197941	10197941	+	8.272E-14	9.4256E-13	0.234997	hyper	sig	chr17_10197941
chr7	1.35E+08	135247697	+	8.274E-14	9.4275E-13	-0.20027	hypo	sig	chr7_135247697
chr16	87603122	87603122	+	8.278E-14	9.4321E-13	0.224738	hyper	sig	chr16_87603122
chr7	97024578	97024578	+	8.283E-14	9.438E-13	0.258305	hyper	sig	chr7_97024578
chr2	2.38E+08	238115100	+	8.286E-14	9.4413E-13	-0.21589	hypo	sig	chr2_238115100
chr19	57708981	57708981	+	8.291E-14	9.4461E-13	0.251081	hyper	sig	chr19_57708981
chr1	7782379	7782379	+	8.296E-14	9.4517E-13	-0.26169	hypo	sig	chr1_7782379
chr3	32819686	32819686	+	8.306E-14	9.4619E-13	0.255505	hyper	sig	chr3_32819686
chr15	79283977	79283977	+	8.309E-14	9.4656E-13	0.220031	hyper	sig	chr15_79283977
chr1	2.15E+08	215083283	+	8.312E-14	9.4687E-13	0.224896	hyper	sig	chr1_215083283
chr18	77087292	77087292	+	8.322E-14	9.4801E-13	0.314923	hyper	sig	chr18_77087292
chr5	1.77E+08	176881020	+	8.325E-14	9.4831E-13	-0.26135	hypo	sig	chr5_176881020
chr16	54931966	54931966	+	8.325E-14	9.4835E-13	0.292454	hyper	sig	chr16_54931966
chr7	1367960	1367960	+	8.328E-14	9.486E-13	0.223934	hyper	sig	chr7_1367960
chr11	1.03E+08	102767929	+	8.328E-14	9.4867E-13	0.254613	hyper	sig	chr11_102767929
chr1	2.21E+08	220877400	+	8.33E-14	9.4889E-13	0.251601	hyper	sig	chr1_220877400
chr12	45051602	45051602	+	8.331E-14	9.4894E-13	0.287134	hyper	sig	chr12_45051602
chr16	56607035	56607035	+	8.336E-14	9.4953E-13	0.223972	hyper	sig	chr16_56607035
chr19	38395964	38395964	+	8.338E-14	9.4968E-13	0.200402	hyper	sig	chr19_38395964
chr12	1.01E+08	101209662	+	8.342E-14	9.5018E-13	0.230887	hyper	sig	chr12_101209662
chr11	1871039	1871039	+	8.346E-14	9.5063E-13	0.256528	hyper	sig	chr11_1871039
chr7	175713	175713	+	8.348E-14	9.5076E-13	-0.26756	hypo	sig	chr7_175713
chr5	77211356	77211356	+	8.349E-14	9.5087E-13	0.289674	hyper	sig	chr5_77211356
chr17	74270465	74270465	+	8.354E-14	9.5146E-13	0.223846	hyper	sig	chr17_74270465
chr19	40170445	40170445	+	8.358E-14	9.5185E-13	0.232973	hyper	sig	chr19_40170445
chr1	16535581	16535581	+	8.368E-14	9.5298E-13	0.246442	hyper	sig	chr1_16535581
chr13	22897862	22897862	+	8.377E-14	9.539E-13	-0.27863	hypo	sig	chr13_22897862
chr1	35577751	35577751	+	8.379E-14	9.5411E-13	0.280126	hyper	sig	chr1_35577751
chr5	88889506	88889506	+	8.379E-14	9.542E-13	0.244782	hyper	sig	chr5_88889506
chr12	1.11E+08	111033731	+	8.384E-14	9.547E-13	0.29417	hyper	sig	chr12_111033731
chr19	45319704	45319704	+	8.386E-14	9.549E-13	-0.33065	hypo	sig	chr19_45319704
chr16	51113756	51113756	+	8.388E-14	9.5512E-13	0.201155	hyper	sig	chr16_51113756
chr17	17841011	17841011	+	8.388E-14	9.5512E-13	-0.25629	hypo	sig	chr17_17841011
chr16	1039152	1039152	+	8.39E-14	9.5532E-13	-0.28081	hypo	sig	chr16_1039152
chr7	69597143	69597143	+	8.392E-14	9.5553E-13	0.212744	hyper	sig	chr7_69597143
chr18	48408176	48408176	+	8.393E-14	9.5558E-13	0.287313	hyper	sig	chr18_48408176
chr1	1.61E+08	161422125	+	8.394E-14	9.5572E-13	0.212282	hyper	sig	chr1_161422125
chr1	16938997	16938997	+	8.395E-14	9.5576E-13	0.220685	hyper	sig	chr1_16938997
chr3	1.26E+08	125756117	+	8.405E-14	9.5687E-13	-0.29615	hypo	sig	chr3_125756117
chr2	2.18E+08	218259509	+	8.405E-14	9.5694E-13	0.26465	hyper	sig	chr2_218259509
chr2	2.31E+08	231400255	+	8.421E-14	9.5872E-13	0.282012	hyper	sig	chr2_231400255
chr7	57150567	57150567	+	8.423E-14	9.5886E-13	-0.28815	hypo	sig	chr7_57150567
chr10	1.01E+08	101227787	+	8.425E-14	9.5907E-13	0.260168	hyper	sig	chr10_101227787
chr14	28765987	28765987	+	8.43E-14	9.5968E-13	0.23023	hyper	sig	chr14_28765987
chr1	2.15E+08	215083278	+	8.431E-14	9.5977E-13	0.236881	hyper	sig	chr1_215083278
chr2	2.4E+08	240290927	+	8.432E-14	9.5986E-13	-0.22753	hypo	sig	chr2_240290927
chr14	1.01E+08	101460684	+	8.434E-14	9.6003E-13	-0.27702	hypo	sig	chr14_101460684
chr11	31798130	31798130	+	8.434E-14	9.6004E-13	0.251044	hyper	sig	chr11_31798130
chr1	2.01E+08	201283853	+	8.459E-14	9.6276E-13	0.257532	hyper	sig	chr1_201283853
chr6	1.67E+08	167421423	+	8.461E-14	9.6302E-13	-0.34064	hypo	sig	chr6_167421423
chr2	1230526	1230526	+	8.464E-14	9.6331E-13	-0.35876	hypo	sig	chr2_1230526
chr7	194736	194736	+	8.464E-14	9.6335E-13	0.251108	hyper	sig	chr7_194736
chr2	1.37E+08	136764641	+	8.467E-14	9.6363E-13	0.205204	hyper	sig	chr2_136764641

chr11	45652688	45652688	+	8.469E-14	9.6383E-13	-0.22237	hypo	sig	chr11_45652688
chr13	1.12E+08	112063330	+	8.473E-14	9.6433E-13	0.277396	hyper	sig	chr13_112063330
chr19	58356241	58356241	+	8.473E-14	9.6433E-13	0.282824	hyper	sig	chr19_58356241
chr2	1.01E+08	101476902	+	8.476E-14	9.6465E-13	-0.23045	hypo	sig	chr2_101476902
chr19	18225357	18225357	+	8.477E-14	9.6473E-13	0.352459	hyper	sig	chr19_18225357
chr3	1.7E+08	169660006	+	8.482E-14	9.6522E-13	0.233888	hyper	sig	chr3_169660006
chr2	1.35E+08	134719422	+	8.482E-14	9.6528E-13	0.226372	hyper	sig	chr2_134719422
chr6	1.68E+08	168091006	+	8.482E-14	9.6528E-13	-0.22117	hypo	sig	chr6_168091006
chr2	3463426	3463426	+	8.487E-14	9.658E-13	0.279716	hyper	sig	chr2_3463426
chr2	1.05E+08	104845311	+	8.487E-14	9.658E-13	0.218033	hyper	sig	chr2_104845311
chr11	46914427	46914427	+	8.488E-14	9.658E-13	0.220418	hyper	sig	chr11_46914427
chr10	86367644	86367644	+	8.489E-14	9.6593E-13	0.215308	hyper	sig	chr10_86367644
chr16	3065885	3065885	+	8.49E-14	9.6603E-13	-0.27246	hypo	sig	chr16_3065885
chr8	48735032	48735032	+	8.495E-14	9.6657E-13	0.225619	hyper	sig	chr8_48735032
chr4	6696429	6696429	+	8.496E-14	9.6671E-13	-0.23483	hypo	sig	chr4_6696429
chr7	928832	928832	+	8.5E-14	9.6716E-13	0.218817	hyper	sig	chr7_928832
chr16	2899163	2899163	+	8.502E-14	9.6731E-13	-0.27859	hypo	sig	chr16_2899163
chr2	2.32E+08	232315748	+	8.505E-14	9.6773E-13	-0.22086	hypo	sig	chr2_232315748
chr5	45695331	45695331	+	8.508E-14	9.6797E-13	0.257512	hyper	sig	chr5_45695331
chr10	42242740	42242740	+	8.508E-14	9.6802E-13	0.282174	hyper	sig	chr10_42242740
chr21	18245803	18245803	+	8.515E-14	9.6874E-13	0.238634	hyper	sig	chr21_18245803
chr2	66439609	66439609	+	8.516E-14	9.6892E-13	0.293042	hyper	sig	chr2_66439609
chr10	1.01E+08	101130757	+	8.525E-14	9.6992E-13	0.203786	hyper	sig	chr10_101130757
chr19	51949219	51949219	+	8.529E-14	9.7038E-13	0.217123	hyper	sig	chr19_51949219
chr19	29528770	29528770	+	8.533E-14	9.7075E-13	0.208052	hyper	sig	chr19_29528770
chr16	88700820	88700820	+	8.537E-14	9.7121E-13	-0.24476	hypo	sig	chr16_88700820
chr1	50422995	50422995	+	8.543E-14	9.7183E-13	0.238619	hyper	sig	chr1_50422995
chr20	21397559	21397559	+	8.558E-14	9.7352E-13	0.245593	hyper	sig	chr20_21397559
chr6	84772915	84772915	+	8.565E-14	9.7426E-13	0.263375	hyper	sig	chr6_84772915
chr15	74383890	74383890	+	8.565E-14	9.7432E-13	-0.39417	hypo	sig	chr15_74383890
chr11	3232625	3232625	+	8.571E-14	9.7494E-13	0.243304	hyper	sig	chr11_3232625
chr10	1.19E+08	118595600	+	8.573E-14	9.7515E-13	0.277939	hyper	sig	chr10_118595600
chr22	50044980	50044980	+	8.579E-14	9.7581E-13	-0.25711	hypo	sig	chr22_50044980
chr7	95318802	95318802	+	8.58E-14	9.7588E-13	-0.242	hypo	sig	chr7_95318802
chr16	69917799	69917799	+	8.583E-14	9.7627E-13	0.207676	hyper	sig	chr16_69917799
chr3	1.07E+08	107429592	+	8.584E-14	9.7629E-13	0.207776	hyper	sig	chr3_107429592
chr15	44663994	44663994	+	8.591E-14	9.7714E-13	-0.22511	hypo	sig	chr15_44663994
chr16	991088	991088	+	8.596E-14	9.7763E-13	-0.24183	hypo	sig	chr16_991088
chr1	6386128	6386128	+	8.597E-14	9.7776E-13	-0.23542	hypo	sig	chr1_6386128
chr13	1.14E+08	114115251	+	8.598E-14	9.7788E-13	-0.24667	hypo	sig	chr13_114115251
chr10	26217799	26217799	+	8.599E-14	9.78E-13	0.267332	hyper	sig	chr10_26217799
chr14	1.01E+08	101364569	+	8.604E-14	9.7853E-13	0.234936	hyper	sig	chr14_101364569
chr7	57868132	57868132	+	8.605E-14	9.7858E-13	0.306042	hyper	sig	chr7_57868132
chr6	32217394	32217394	+	8.607E-14	9.7882E-13	-0.21538	hypo	sig	chr6_32217394
chr6	1.17E+08	117263557	+	8.61E-14	9.7917E-13	0.23422	hyper	sig	chr6_117263557
chr7	1.51E+08	151013338	+	8.613E-14	9.7951E-13	0.228947	hyper	sig	chr7_151013338
chr3	1.07E+08	107429525	+	8.618E-14	9.8001E-13	0.234302	hyper	sig	chr3_107429525
chr3	58440183	58440183	+	8.618E-14	9.8001E-13	-0.23669	hypo	sig	chr3_58440183
chr22	20032364	20032364	+	8.623E-14	9.8056E-13	-0.22601	hypo	sig	chr22_20032364
chr20	45097881	45097881	+	8.627E-14	9.8093E-13	0.254324	hyper	sig	chr20_45097881
chr8	55102494	55102494	+	8.63E-14	9.8134E-13	0.261665	hyper	sig	chr8_55102494
chr6	31776104	31776104	+	8.633E-14	9.8164E-13	-0.22307	hypo	sig	chr6_31776104
chr11	64892589	64892589	+	8.637E-14	9.8209E-13	-0.24959	hypo	sig	chr11_64892589
chr16	68642724	68642724	+	8.643E-14	9.8265E-13	0.242457	hyper	sig	chr16_68642724
chr12	1.32E+08	132261147	+	8.653E-14	9.8384E-13	-0.24577	hypo	sig	chr12_132261147
chr16	85158391	85158391	+	8.659E-14	9.8454E-13	-0.22522	hypo	sig	chr16_85158391

chr5	1.41E+08	141123376	+	8.659E-14	9.8454E-13	0.307092	hyper	sig	chr5_141123376
chr4	15705266	15705266	+	8.661E-14	9.8465E-13	-0.21329	hypo	sig	chr4_15705266
chr1	2328439	2328439	+	8.662E-14	9.8485E-13	-0.24508	hypo	sig	chr1_2328439
chr5	1.77E+08	176883162	+	8.664E-14	9.8498E-13	-0.27485	hypo	sig	chr5_176883162
chr9	93952868	93952868	+	8.666E-14	9.8521E-13	0.225995	hyper	sig	chr9_93952868
chr2	2.19E+08	219444712	+	8.666E-14	9.8522E-13	0.238393	hyper	sig	chr2_219444712
chr7	1.12E+08	111563035	+	8.673E-14	9.8596E-13	-0.37896	hypo	sig	chr7_111563035
chr19	5913998	5913998	+	8.682E-14	9.8697E-13	0.209103	hyper	sig	chr19_5913998
chr1	2418250	2418250	+	8.683E-14	9.8701E-13	0.2559	hyper	sig	chr1_2418250
chr14	1.01E+08	101033690	+	8.691E-14	9.8794E-13	-0.22631	hypo	sig	chr14_101033690
chr17	50835305	50835305	+	8.693E-14	9.8813E-13	0.258549	hyper	sig	chr17_50835305
chr22	30566319	30566319	+	8.706E-14	9.8962E-13	-0.22875	hypo	sig	chr22_30566319
chr4	41751091	41751091	+	8.71E-14	9.9005E-13	0.301744	hyper	sig	chr4_41751091
chr3	10329869	10329869	+	8.716E-14	9.907E-13	-0.28769	hypo	sig	chr3_10329869
chr10	1.22E+08	122454604	+	8.717E-14	9.9077E-13	-0.22893	hypo	sig	chr10_122454604
chr3	1.26E+08	125965121	+	8.724E-14	9.9153E-13	-0.23358	hypo	sig	chr3_125965121
chr10	43700008	43700008	+	8.729E-14	9.9215E-13	-0.23766	hypo	sig	chr10_43700008
chr9	1.22E+08	122219280	+	8.73E-14	9.9223E-13	0.226106	hyper	sig	chr9_122219280
chr2	44803178	44803178	+	8.738E-14	9.9314E-13	0.260533	hyper	sig	chr2_44803178
chr5	1.41E+08	141365015	+	8.745E-14	9.9391E-13	0.270841	hyper	sig	chr5_141365015
chr20	41366897	41366897	+	8.746E-14	9.9396E-13	0.211396	hyper	sig	chr20_41366897
chr2	1.6E+08	160396930	+	8.748E-14	9.9425E-13	-0.3124	hypo	sig	chr2_160396930
chr17	7855242	7855242	+	8.755E-14	9.9492E-13	0.204207	hyper	sig	chr17_7855242
chr14	36513295	36513295	+	8.757E-14	9.9519E-13	0.256485	hyper	sig	chr14_36513295
chr19	40624057	40624057	+	8.759E-14	9.9539E-13	-0.24852	hypo	sig	chr19_40624057
chr14	93926364	93926364	+	8.762E-14	9.9568E-13	-0.24027	hypo	sig	chr14_93926364
chr12	1.33E+08	132768690	+	8.763E-14	9.9575E-13	0.242824	hyper	sig	chr12_132768690
chr5	1.35E+08	135327148	+	8.768E-14	9.9632E-13	0.23054	hyper	sig	chr5_135327148
chr10	1.29E+08	129056124	+	8.768E-14	9.9633E-13	0.260407	hyper	sig	chr10_129056124
chr10	22335156	22335156	+	8.779E-14	9.9757E-13	0.208267	hyper	sig	chr10_22335156
chr5	1666896	1666896	+	8.784E-14	9.9815E-13	0.261621	hyper	sig	chr5_1666896
chr6	1.5E+08	149965403	+	8.788E-14	9.9855E-13	0.245806	hyper	sig	chr6_149965403
chr13	29488698	29488698	+	8.799E-14	9.9979E-13	-0.20699	hypo	sig	chr13_29488698
chr16	84298866	84298866	+	8.812E-14	1.0012E-12	0.215367	hyper	sig	chr16_84298866
chr13	1.14E+08	113626604	+	8.813E-14	1.0013E-12	0.206228	hyper	sig	chr13_113626604
chr11	61102288	61102288	+	8.814E-14	1.0014E-12	-0.23033	hypo	sig	chr11_61102288
chr1	47439766	47439766	+	8.818E-14	1.0018E-12	0.237972	hyper	sig	chr1_47439766
chr6	28817024	28817024	+	8.839E-14	1.0042E-12	0.243541	hyper	sig	chr6_28817024
chr9	23824174	23824174	+	8.841E-14	1.0044E-12	0.24773	hyper	sig	chr9_23824174
chr8	1.41E+08	141495361	+	8.851E-14	1.0056E-12	-0.26388	hypo	sig	chr8_141495361
chr12	1.32E+08	132260988	+	8.851E-14	1.0056E-12	-0.30655	hypo	sig	chr12_132260988
chr17	46819567	46819567	+	8.855E-14	1.006E-12	0.214859	hyper	sig	chr17_46819567
chr5	1.41E+08	141431501	+	8.863E-14	1.0068E-12	0.305196	hyper	sig	chr5_141431501
chr2	64607206	64607206	+	8.87E-14	1.0076E-12	-0.22534	hypo	sig	chr2_64607206
chr16	66403175	66403175	+	8.872E-14	1.0078E-12	-0.20751	hypo	sig	chr16_66403175
chr11	31803705	31803705	+	8.877E-14	1.0084E-12	0.243922	hyper	sig	chr11_31803705
chr2	1846721	1846721	+	8.883E-14	1.009E-12	-0.22954	hypo	sig	chr2_1846721
chr11	1.03E+08	103096219	+	8.885E-14	1.0092E-12	-0.2754	hypo	sig	chr11_103096219
chr1	1.5E+08	149900128	+	8.888E-14	1.0096E-12	0.213265	hyper	sig	chr1_149900128
chr16	370037	370037	+	8.889E-14	1.0096E-12	0.25	hyper	sig	chr16_370037
chr8	51405121	51405121	+	8.889E-14	1.0097E-12	-0.22772	hypo	sig	chr8_51405121
chr19	10581434	10581434	+	8.889E-14	1.0097E-12	0.280883	hyper	sig	chr19_10581434
chr7	63930282	63930282	+	8.895E-14	1.0103E-12	-0.24058	hypo	sig	chr7_63930282
chr16	57619701	57619701	+	8.896E-14	1.0104E-12	-0.26183	hypo	sig	chr16_57619701
chr3	4868990	4868990	+	8.898E-14	1.0107E-12	-0.21388	hypo	sig	chr3_4868990
chr7	2904561	2904561	+	8.901E-14	1.011E-12	-0.28063	hypo	sig	chr7_2904561

chr5	37835779	37835779	+	8.904E-14	1.0112E-12	0.248663	hyper	sig	chr5_37835779
chr6	27864384	27864384	+	8.907E-14	1.0116E-12	0.238796	hyper	sig	chr6_27864384
chr11	17722120	17722120	+	8.911E-14	1.012E-12	0.228471	hyper	sig	chr11_17722120
chr7	6077170	6077170	+	8.911E-14	1.012E-12	-0.45826	hypo	sig	chr7_6077170
chr6	1.6E+08	160091050	+	8.912E-14	1.0121E-12	-0.25835	hypo	sig	chr6_160091050
chr5	169568	169568	+	8.918E-14	1.0128E-12	-0.24875	hypo	sig	chr5_169568
chr2	1.32E+08	132417105	+	8.919E-14	1.0129E-12	-0.22495	hypo	sig	chr2_132417105
chr20	61902823	61902823	+	8.932E-14	1.0143E-12	-0.29672	hypo	sig	chr20_61902823
chr16	83814576	83814576	+	8.939E-14	1.015E-12	0.210695	hyper	sig	chr16_83814576
chr19	1170202	1170202	+	8.944E-14	1.0155E-12	0.251306	hyper	sig	chr19_1170202
chr14	28774551	28774551	+	8.948E-14	1.016E-12	0.220788	hyper	sig	chr14_28774551
chr8	1605229	1605229	+	8.952E-14	1.0164E-12	-0.22708	hypo	sig	chr8_1605229
chr14	94774223	94774223	+	8.952E-14	1.0164E-12	0.260744	hyper	sig	chr14_94774223
chr8	19602625	19602625	+	8.953E-14	1.0165E-12	0.274564	hyper	sig	chr8_19602625
chr1	46544433	46544433	+	8.959E-14	1.0171E-12	0.296115	hyper	sig	chr1_46544433
chr12	13001770	13001770	+	8.959E-14	1.0171E-12	0.208151	hyper	sig	chr12_13001770
chr11	94545437	94545437	+	8.972E-14	1.0186E-12	-0.23417	hypo	sig	chr11_94545437
chr12	1.28E+08	128268588	+	8.974E-14	1.0188E-12	0.200077	hyper	sig	chr12_128268588
chr20	58228987	58228987	+	8.98E-14	1.0194E-12	0.206095	hyper	sig	chr20_58228987
chr11	1.3E+08	130429438	+	8.985E-14	1.0199E-12	-0.22216	hypo	sig	chr11_130429438
chr3	1.96E+08	195849804	+	8.988E-14	1.0203E-12	-0.30917	hypo	sig	chr3_195849804
chr1	25907246	25907246	+	8.993E-14	1.0209E-12	-0.20101	hypo	sig	chr1_25907246
chr12	57727852	57727852	+	8.994E-14	1.0209E-12	0.355459	hyper	sig	chr12_57727852
chr22	40679620	40679620	+	8.997E-14	1.0213E-12	0.236399	hyper	sig	chr22_40679620
chr17	29565911	29565911	+	8.998E-14	1.0214E-12	-0.27129	hypo	sig	chr17_29565911
chr4	108012	108012	+	8.998E-14	1.0214E-12	0.290646	hyper	sig	chr4_108012
chr15	67823925	67823925	+	9.005E-14	1.0221E-12	0.324252	hyper	sig	chr15_67823925
chr10	69317465	69317465	+	9.005E-14	1.0222E-12	-0.32603	hypo	sig	chr10_69317465
chr1	3186426	3186426	+	9.015E-14	1.0233E-12	0.310545	hyper	sig	chr1_3186426
chr21	36707401	36707401	+	9.025E-14	1.0244E-12	0.276626	hyper	sig	chr21_36707401
chr11	46279863	46279863	+	9.029E-14	1.0248E-12	0.210846	hyper	sig	chr11_46279863
chr16	1257659	1257659	+	9.032E-14	1.0251E-12	-0.21881	hypo	sig	chr16_1257659
chr8	46104998	46104998	+	9.045E-14	1.0266E-12	-0.29802	hypo	sig	chr8_46104998
chr17	34625430	34625430	+	9.05E-14	1.0271E-12	-0.23632	hypo	sig	chr17_34625430
chr2	1.18E+08	117859668	+	9.056E-14	1.0277E-12	0.302339	hyper	sig	chr2_117859668
chr8	41648190	41648190	+	9.057E-14	1.0278E-12	-0.23844	hypo	sig	chr8_41648190
chr7	1235923	1235923	+	9.057E-14	1.0278E-12	0.27126	hyper	sig	chr7_1235923
chr1	6330402	6330402	+	9.064E-14	1.0286E-12	0.201223	hyper	sig	chr1_6330402
chr14	41607536	41607536	+	9.065E-14	1.0287E-12	0.215711	hyper	sig	chr14_41607536
chr11	64971798	64971798	+	9.071E-14	1.0294E-12	0.209393	hyper	sig	chr11_64971798
chr5	68187850	68187850	+	9.073E-14	1.0296E-12	0.217539	hyper	sig	chr5_68187850
chr12	75209311	75209311	+	9.074E-14	1.0296E-12	0.255112	hyper	sig	chr12_75209311
chr6	1.09E+08	108851211	+	9.083E-14	1.0307E-12	-0.31652	hypo	sig	chr6_108851211
chr1	1.19E+08	118983512	+	9.093E-14	1.0317E-12	0.30101	hyper	sig	chr1_118983512
chr12	53975565	53975565	+	9.097E-14	1.0321E-12	0.218973	hyper	sig	chr12_53975565
chr19	5915008	5915008	+	9.097E-14	1.0321E-12	0.302738	hyper	sig	chr19_5915008
chr13	1.12E+08	111920700	+	9.103E-14	1.0328E-12	-0.23669	hypo	sig	chr13_111920700
chr8	28702950	28702950	+	9.109E-14	1.0335E-12	0.249004	hyper	sig	chr8_28702950
chr17	79776583	79776583	+	9.113E-14	1.034E-12	-0.23826	hypo	sig	chr17_79776583
chr5	68187793	68187793	+	9.114E-14	1.034E-12	0.315291	hyper	sig	chr5_68187793
chr4	8999998	8999998	+	9.122E-14	1.035E-12	-0.41111	hypo	sig	chr4_8999998
chr19	6744929	6744929	+	9.124E-14	1.0351E-12	0.25891	hyper	sig	chr19_6744929
chr12	1.33E+08	132887056	+	9.126E-14	1.0353E-12	0.210639	hyper	sig	chr12_132887056
chr20	35174870	35174870	+	9.126E-14	1.0354E-12	-0.24358	hypo	sig	chr20_35174870
chr2	1.92E+08	191881301	+	9.129E-14	1.0357E-12	-0.20239	hypo	sig	chr2_191881301
chr12	1.27E+08	126727854	+	9.131E-14	1.0358E-12	0.252492	hyper	sig	chr12_126727854

chr16	70686453	70686453	+	9.134E-14	1.0362E-12	0.259501	hyper	sig	chr16_70686453
chr1	50421177	50421177	+	9.14E-14	1.0368E-12	0.27382	hyper	sig	chr1_50421177
chr19	2511764	2511764	+	9.141E-14	1.037E-12	-0.29255	hypo	sig	chr19_2511764
chr5	1836658	1836658	+	9.152E-14	1.0382E-12	0.225437	hyper	sig	chr5_1836658
chr8	1.41E+08	141223355	+	9.156E-14	1.0386E-12	-0.20591	hypo	sig	chr8_141223355
chr3	1.96E+08	195720048	+	9.157E-14	1.0387E-12	-0.30868	hypo	sig	chr3_195720048
chr16	85653435	85653435	+	9.162E-14	1.0393E-12	0.213551	hyper	sig	chr16_85653435
chr1	63329753	63329753	+	9.164E-14	1.0394E-12	0.216008	hyper	sig	chr1_63329753
chr3	10338824	10338824	+	9.165E-14	1.0395E-12	-0.25694	hypo	sig	chr3_10338824
chr7	2734840	2734840	+	9.165E-14	1.0395E-12	0.238937	hyper	sig	chr7_2734840
chr16	29785067	29785067	+	9.167E-14	1.0397E-12	0.205179	hyper	sig	chr16_29785067
chr1	4777388	4777388	+	9.173E-14	1.0404E-12	-0.20863	hypo	sig	chr1_4777388
chr17	57045583	57045583	+	9.176E-14	1.0408E-12	0.2884	hyper	sig	chr17_57045583
chr7	1.17E+08	117323510	+	9.182E-14	1.0414E-12	0.217367	hyper	sig	chr7_117323510
chr2	1.82E+08	181678119	+	9.187E-14	1.042E-12	0.256314	hyper	sig	chr2_181678119
chr1	2.08E+08	207823672	+	9.188E-14	1.042E-12	0.214251	hyper	sig	chr1_207823672
chr7	1.56E+08	156389321	+	9.188E-14	1.042E-12	-0.27893	hypo	sig	chr7_156389321
chr2	3595122	3595122	+	9.192E-14	1.0425E-12	0.260365	hyper	sig	chr2_3595122
chr9	19128847	19128847	+	9.196E-14	1.0429E-12	0.240358	hyper	sig	chr9_19128847
chr12	49091204	49091204	+	9.201E-14	1.0435E-12	0.246129	hyper	sig	chr12_49091204
chr3	85889449	85889449	+	9.206E-14	1.044E-12	-0.28107	hypo	sig	chr3_85889449
chr5	37835787	37835787	+	9.214E-14	1.0449E-12	0.239983	hyper	sig	chr5_37835787
chr17	74326425	74326425	+	9.215E-14	1.045E-12	0.208087	hyper	sig	chr17_74326425
chr18	79022775	79022775	+	9.215E-14	1.045E-12	-0.20519	hypo	sig	chr18_79022775
chr20	52973382	52973382	+	9.216E-14	1.0451E-12	0.22503	hyper	sig	chr20_52973382
chr7	1.57E+08	157004604	+	9.224E-14	1.046E-12	0.206581	hyper	sig	chr7_157004604
chr17	80472127	80472127	+	9.228E-14	1.0463E-12	-0.30661	hypo	sig	chr17_80472127
chr7	1.51E+08	151013296	+	9.247E-14	1.0485E-12	0.269313	hyper	sig	chr7_151013296
chr20	46058486	46058486	+	9.254E-14	1.0493E-12	0.235425	hyper	sig	chr20_46058486
chr17	40779807	40779807	+	9.258E-14	1.0497E-12	0.222956	hyper	sig	chr17_40779807
chr5	1.41E+08	141236883	+	9.266E-14	1.0505E-12	0.266049	hyper	sig	chr5_141236883
chr11	20596702	20596702	+	9.267E-14	1.0506E-12	0.218234	hyper	sig	chr11_20596702
chr3	1.51E+08	151087380	+	9.27E-14	1.0509E-12	0.215404	hyper	sig	chr3_151087380
chr6	1E+08	100467860	+	9.275E-14	1.0514E-12	0.27679	hyper	sig	chr6_100467860
chr10	43315735	43315735	+	9.279E-14	1.0519E-12	-0.23519	hypo	sig	chr10_43315735
chr2	70901132	70901132	+	9.294E-14	1.0536E-12	0.216136	hyper	sig	chr2_70901132
chr10	47375349	47375349	+	9.297E-14	1.0539E-12	0.241771	hyper	sig	chr10_47375349
chr16	89248161	89248161	+	9.297E-14	1.0539E-12	0.231486	hyper	sig	chr16_89248161
chr2	950300	950300	+	9.308E-14	1.0551E-12	0.303671	hyper	sig	chr2_950300
chr19	35756933	35756933	+	9.311E-14	1.0554E-12	0.236309	hyper	sig	chr19_35756933
chr8	1.45E+08	144904699	+	9.315E-14	1.0559E-12	-0.20117	hypo	sig	chr8_144904699
chr3	75576846	75576846	+	9.318E-14	1.0562E-12	-0.28294	hypo	sig	chr3_75576846
chr6	28635486	28635486	+	9.331E-14	1.0576E-12	0.262826	hyper	sig	chr6_28635486
chr11	69654874	69654874	+	9.335E-14	1.0581E-12	-0.26632	hypo	sig	chr11_69654874
chr19	36309951	36309951	+	9.337E-14	1.0583E-12	0.269938	hyper	sig	chr19_36309951
chr6	1.46E+08	146434496	+	9.337E-14	1.0583E-12	0.298248	hyper	sig	chr6_146434496
chr4	8298087	8298087	+	9.343E-14	1.0589E-12	-0.28032	hypo	sig	chr4_8298087
chr15	92734077	92734077	+	9.345E-14	1.0592E-12	0.278743	hyper	sig	chr15_92734077
chr22	37518658	37518658	+	9.364E-14	1.0612E-12	-0.26063	hypo	sig	chr22_37518658
chr4	6753350	6753350	+	9.364E-14	1.0613E-12	-0.20627	hypo	sig	chr4_6753350
chr8	64587513	64587513	+	9.372E-14	1.0621E-12	0.304436	hyper	sig	chr8_64587513
chr11	79438901	79438901	+	9.373E-14	1.0621E-12	0.244044	hyper	sig	chr11_79438901
chr11	94769592	94769592	+	9.374E-14	1.0623E-12	0.219249	hyper	sig	chr11_94769592
chr5	1394181	1394181	+	9.378E-14	1.0627E-12	0.254073	hyper	sig	chr5_1394181
chr10	11164793	11164793	+	9.384E-14	1.0633E-12	0.22019	hyper	sig	chr10_11164793
chr16	10581799	10581799	+	9.385E-14	1.0635E-12	0.254926	hyper	sig	chr16_10581799

chr16	81493422	81493422	+	9.385E-14	1.0635E-12	-0.24904	hypo	sig	chr16_81493422
chr8	56157089	56157089	+	9.387E-14	1.0636E-12	0.291541	hyper	sig	chr8_56157089
chr5	55227974	55227974	+	9.392E-14	1.0642E-12	0.235179	hyper	sig	chr5_55227974
chr16	29877421	29877421	+	9.394E-14	1.0644E-12	0.230465	hyper	sig	chr16_29877421
chr20	9507207	9507207	+	9.395E-14	1.0645E-12	0.249631	hyper	sig	chr20_9507207
chr2	40452341	40452341	+	9.398E-14	1.0649E-12	0.200538	hyper	sig	chr2_40452341
chr19	38860179	38860179	+	9.403E-14	1.0654E-12	-0.27055	hypo	sig	chr19_38860179
chr10	26215032	26215032	+	9.405E-14	1.0655E-12	0.208162	hyper	sig	chr10_26215032
chr11	45651871	45651871	+	9.409E-14	1.066E-12	-0.23658	hypo	sig	chr11_45651871
chr8	78762426	78762426	+	9.411E-14	1.0662E-12	0.25143	hyper	sig	chr8_78762426
chr2	1.78E+08	178479671	+	9.413E-14	1.0664E-12	-0.22008	hypo	sig	chr2_178479671
chr21	26967638	26967638	+	9.421E-14	1.0673E-12	0.233251	hyper	sig	chr21_26967638
chr6	26743993	26743993	+	9.432E-14	1.0685E-12	0.315358	hyper	sig	chr6_26743993
chr5	1.79E+08	178577177	+	9.435E-14	1.0688E-12	0.259082	hyper	sig	chr5_178577177
chr1	17520250	17520250	+	9.439E-14	1.0693E-12	-0.27234	hypo	sig	chr1_17520250
chr11	1.19E+08	119306666	+	9.446E-14	1.0701E-12	0.265212	hyper	sig	chr11_119306666
chr21	36159574	36159574	+	9.447E-14	1.0701E-12	-0.22996	hypo	sig	chr21_36159574
chr3	1.24E+08	123700872	+	9.452E-14	1.0707E-12	0.332719	hyper	sig	chr3_123700872
chr17	22217347	22217347	+	9.452E-14	1.0707E-12	0.26586	hyper	sig	chr17_22217347
chr19	2513697	2513697	+	9.452E-14	1.0707E-12	-0.23648	hypo	sig	chr19_2513697
chr19	16467767	16467767	+	9.464E-14	1.0719E-12	0.213845	hyper	sig	chr19_16467767
chr18	26547236	26547236	+	9.465E-14	1.0721E-12	0.21585	hyper	sig	chr18_26547236
chr1	38044734	38044734	+	9.469E-14	1.0725E-12	0.283965	hyper	sig	chr1_38044734
chr10	1.17E+08	117133016	+	9.475E-14	1.0732E-12	0.203466	hyper	sig	chr10_117133016
chr9	1.3E+08	129716097	+	9.476E-14	1.0732E-12	0.200026	hyper	sig	chr9_129716097
chr2	2.01E+08	200586291	+	9.481E-14	1.0738E-12	0.268768	hyper	sig	chr2_200586291
chr3	52517058	52517058	+	9.482E-14	1.0739E-12	-0.20135	hypo	sig	chr3_52517058
chr10	1.3E+08	129899019	+	9.489E-14	1.0746E-12	0.242881	hyper	sig	chr10_129899019
chr16	70662547	70662547	+	9.514E-14	1.0774E-12	0.267321	hyper	sig	chr16_70662547
chr2	20107028	20107028	+	9.519E-14	1.0779E-12	0.235309	hyper	sig	chr2_20107028
chr7	73607332	73607332	+	9.521E-14	1.0782E-12	0.31151	hyper	sig	chr7_73607332
chr7	1.22E+08	122307371	+	9.521E-14	1.0782E-12	0.312162	hyper	sig	chr7_122307371
chr16	982296	982296	+	9.523E-14	1.0784E-12	0.211301	hyper	sig	chr16_982296
chr19	15472024	15472024	+	9.529E-14	1.079E-12	0.215457	hyper	sig	chr19_15472024
chr4	1.83E+08	182806064	+	9.535E-14	1.0797E-12	-0.2691	hypo	sig	chr4_182806064
chr14	1.03E+08	102508488	+	9.54E-14	1.0802E-12	-0.21401	hypo	sig	chr14_102508488
chr19	50428090	50428090	+	9.541E-14	1.0803E-12	0.204289	hyper	sig	chr19_50428090
chr11	1.11E+08	111283650	+	9.542E-14	1.0804E-12	-0.22385	hypo	sig	chr11_111283650
chr10	1.33E+08	132817093	+	9.547E-14	1.081E-12	-0.2538	hypo	sig	chr10_132817093
chr3	1.82E+08	181726354	+	9.553E-14	1.0816E-12	0.386537	hyper	sig	chr3_181726354
chr1	3186439	3186439	+	9.561E-14	1.0825E-12	0.283829	hyper	sig	chr1_3186439
chr5	59893842	59893842	+	9.569E-14	1.0833E-12	0.222578	hyper	sig	chr5_59893842
chr9	1.35E+08	134967801	+	9.573E-14	1.0837E-12	0.287868	hyper	sig	chr9_134967801
chr10	28925432	28925432	+	9.583E-14	1.0849E-12	0.261632	hyper	sig	chr10_28925432
chr1	6470698	6470698	+	9.585E-14	1.0851E-12	0.22765	hyper	sig	chr1_6470698
chr15	96322548	96322548	+	9.592E-14	1.0858E-12	0.20444	hyper	sig	chr15_96322548
chr12	80708737	80708737	+	9.594E-14	1.086E-12	0.212564	hyper	sig	chr12_80708737
chr4	625651	625651	+	9.596E-14	1.0862E-12	-0.24876	hypo	sig	chr4_625651
chr5	1.41E+08	141423098	+	9.599E-14	1.0866E-12	0.246019	hyper	sig	chr5_141423098
chr19	3539160	3539160	+	9.6E-14	1.0866E-12	0.204234	hyper	sig	chr19_3539160
chr12	1.32E+08	132426136	+	9.601E-14	1.0868E-12	-0.21164	hypo	sig	chr12_132426136
chr11	47257280	47257280	+	9.603E-14	1.0869E-12	-0.2158	hypo	sig	chr11_47257280
chr11	59062864	59062864	+	9.606E-14	1.0873E-12	0.203052	hyper	sig	chr11_59062864
chr12	1.3E+08	130444648	+	9.608E-14	1.0875E-12	-0.28299	hypo	sig	chr12_130444648
chr8	1.43E+08	142579097	+	9.61E-14	1.0877E-12	-0.23011	hypo	sig	chr8_142579097
chr4	1.9E+08	190015723	+	9.615E-14	1.0883E-12	0.252488	hyper	sig	chr4_190015723

chr6	1.46E+08	146027728	+	9.622E-14	1.0891E-12	0.279977	hyper	sig	chr6_146027728
chr9	1.22E+08	122226476	+	9.624E-14	1.0893E-12	0.252406	hyper	sig	chr9_122226476
chr6	88145208	88145208	+	9.626E-14	1.0894E-12	-0.21209	hypo	sig	chr6_88145208
chr6	33248030	33248030	+	9.632E-14	1.0901E-12	0.20076	hyper	sig	chr6_33248030
chr6	1.68E+08	168001924	+	9.634E-14	1.0903E-12	-0.23188	hypo	sig	chr6_168001924
chr5	1.73E+08	173244625	+	9.636E-14	1.0905E-12	0.29017	hyper	sig	chr5_173244625
chr2	1.32E+08	131829994	+	9.637E-14	1.0906E-12	0.295995	hyper	sig	chr2_131829994
chr9	1.24E+08	124270693	+	9.648E-14	1.0918E-12	-0.25953	hypo	sig	chr9_124270693
chr20	63177384	63177384	+	9.649E-14	1.0919E-12	0.292033	hyper	sig	chr20_63177384
chr2	1.33E+08	132668666	+	9.658E-14	1.0929E-12	0.216032	hyper	sig	chr2_132668666
chr12	1.03E+08	102956263	+	9.662E-14	1.0933E-12	0.238234	hyper	sig	chr12_102956263
chr7	1.57E+08	157310075	+	9.662E-14	1.0934E-12	0.252444	hyper	sig	chr7_157310075
chr19	7349157	7349157	+	9.665E-14	1.0936E-12	-0.24609	hypo	sig	chr19_7349157
chr2	3771484	3771484	+	9.672E-14	1.0944E-12	-0.20542	hypo	sig	chr2_3771484
chr5	1.41E+08	140877701	+	9.672E-14	1.0945E-12	0.282378	hyper	sig	chr5_140877701
chr4	1.11E+08	110629988	+	9.673E-14	1.0946E-12	0.334396	hyper	sig	chr4_110629988
chr19	3178940	3178940	+	9.676E-14	1.0948E-12	-0.24538	hypo	sig	chr19_3178940
chr6	1.46E+08	146029400	+	9.677E-14	1.0949E-12	0.260186	hyper	sig	chr6_146029400
chr11	46361459	46361459	+	9.685E-14	1.0958E-12	0.289982	hyper	sig	chr11_46361459
chr4	1.21E+08	121380471	+	9.69E-14	1.0964E-12	0.261959	hyper	sig	chr4_121380471
chr18	78858367	78858367	+	9.692E-14	1.0965E-12	-0.23428	hypo	sig	chr18_78858367
chr16	89049216	89049216	+	9.697E-14	1.0971E-12	-0.3058	hypo	sig	chr16_89049216
chr16	1023512	1023512	+	9.698E-14	1.0972E-12	-0.21713	hypo	sig	chr16_1023512
chr3	43995599	43995599	+	9.701E-14	1.0975E-12	0.223653	hyper	sig	chr3_43995599
chr12	84913352	84913352	+	9.704E-14	1.0978E-12	0.205876	hyper	sig	chr12_84913352
chr2	96009794	96009794	+	9.705E-14	1.0979E-12	0.211958	hyper	sig	chr2_96009794
chr1	1.44E+08	143839160	+	9.707E-14	1.0981E-12	0.212962	hyper	sig	chr1_143839160
chr1	3111687	3111687	+	9.708E-14	1.0983E-12	0.28737	hyper	sig	chr1_3111687
chr11	1936226	1936226	+	9.716E-14	1.0991E-12	-0.24021	hypo	sig	chr11_1936226
chr11	1.29E+08	129373561	+	9.716E-14	1.0991E-12	0.232212	hyper	sig	chr11_129373561
chr4	1.21E+08	121380479	+	9.717E-14	1.0992E-12	0.268902	hyper	sig	chr4_121380479
chr17	35515165	35515165	+	9.719E-14	1.0993E-12	0.235464	hyper	sig	chr17_35515165
chr6	1.05E+08	104941634	+	9.721E-14	1.0996E-12	0.240777	hyper	sig	chr6_104941634
chr6	1.7E+08	170083347	+	9.727E-14	1.1002E-12	-0.21538	hypo	sig	chr6_170083347
chr1	2876175	2876175	+	9.738E-14	1.1014E-12	0.201777	hyper	sig	chr1_2876175
chr15	52794905	52794905	+	9.743E-14	1.102E-12	0.276357	hyper	sig	chr15_52794905
chr5	73301404	73301404	+	9.743E-14	1.102E-12	0.243301	hyper	sig	chr5_73301404
chr6	1.69E+08	168887167	+	9.743E-14	1.102E-12	-0.24403	hypo	sig	chr6_168887167
chr1	2.48E+08	247937192	+	9.748E-14	1.1024E-12	0.237793	hyper	sig	chr1_247937192
chr6	10419171	10419171	+	9.748E-14	1.1024E-12	0.242898	hyper	sig	chr6_10419171
chr6	1.08E+08	108174712	+	9.748E-14	1.1025E-12	0.249332	hyper	sig	chr6_108174712
chr7	35253282	35253282	+	9.756E-14	1.1033E-12	0.2028	hyper	sig	chr7_35253282
chr11	8169205	8169205	+	9.756E-14	1.1033E-12	0.232446	hyper	sig	chr11_8169205
chr16	4679986	4679986	+	9.757E-14	1.1035E-12	-0.25678	hypo	sig	chr16_4679986
chr1	1.19E+08	118984688	+	9.773E-14	1.1052E-12	0.243594	hyper	sig	chr1_118984688
chr1	86157054	86157054	+	9.776E-14	1.1055E-12	0.235636	hyper	sig	chr1_86157054
chr3	1.27E+08	127002640	+	9.777E-14	1.1057E-12	0.251487	hyper	sig	chr3_127002640
chr22	20249872	20249872	+	9.778E-14	1.1057E-12	0.244487	hyper	sig	chr22_20249872
chr7	1.57E+08	157310094	+	9.783E-14	1.1062E-12	0.243178	hyper	sig	chr7_157310094
chr7	1.36E+08	135661987	+	9.786E-14	1.1065E-12	-0.29419	hypo	sig	chr7_135661987
chr19	55858156	55858156	+	9.786E-14	1.1066E-12	-0.22921	hypo	sig	chr19_55858156
chr22	37983507	37983507	+	9.791E-14	1.1071E-12	0.211919	hyper	sig	chr22_37983507
chr8	1.43E+08	143155755	+	9.792E-14	1.1072E-12	-0.25292	hypo	sig	chr8_143155755
chr5	1.41E+08	140807655	+	9.801E-14	1.1082E-12	0.208039	hyper	sig	chr5_140807655
chr11	61921788	61921788	+	9.808E-14	1.109E-12	-0.2949	hypo	sig	chr11_61921788
chr22	32204778	32204778	+	9.811E-14	1.1093E-12	-0.26117	hypo	sig	chr22_32204778

chr1	1.54E+08	153545942	+	9.812E-14	1.1095E-12	-0.20197	hypo	sig	chr1_153545942
chr16	89949530	89949530	+	9.814E-14	1.1096E-12	0.213907	hyper	sig	chr16_89949530
chr5	1.41E+08	141352381	+	9.814E-14	1.1096E-12	0.279797	hyper	sig	chr5_141352381
chr2	2.39E+08	239349284	+	9.815E-14	1.1097E-12	0.288146	hyper	sig	chr2_239349284
chr17	44558634	44558634	+	9.819E-14	1.1101E-12	0.256943	hyper	sig	chr17_44558634
chr18	73189	73189	+	9.825E-14	1.1108E-12	0.22453	hyper	sig	chr18_73189
chr7	1235994	1235994	+	9.825E-14	1.1108E-12	0.303246	hyper	sig	chr7_1235994
chr6	71419823	71419823	+	9.836E-14	1.112E-12	0.288414	hyper	sig	chr6_71419823
chr2	1.82E+08	181683544	+	9.842E-14	1.1127E-12	0.272074	hyper	sig	chr2_181683544
chr1	2248519	2248519	+	9.846E-14	1.1131E-12	-0.2204	hypo	sig	chr1_2248519
chr22	16602566	16602566	+	9.849E-14	1.1133E-12	0.207925	hyper	sig	chr22_16602566
chr16	89154249	89154249	+	9.858E-14	1.1144E-12	-0.25202	hypo	sig	chr16_89154249
chr17	20895582	20895582	+	9.865E-14	1.1151E-12	-0.25781	hypo	sig	chr17_20895582
chr12	57626024	57626024	+	9.868E-14	1.1155E-12	-0.21273	hypo	sig	chr12_57626024
chr1	27351457	27351457	+	9.868E-14	1.1155E-12	0.288145	hyper	sig	chr1_27351457
chr5	1.42E+08	141693303	+	9.873E-14	1.116E-12	-0.32338	hypo	sig	chr5_141693303
chr7	1.55E+08	155167266	+	9.875E-14	1.1162E-12	-0.26847	hypo	sig	chr7_155167266
chr4	4864740	4864740	+	9.9E-14	1.119E-12	0.321679	hyper	sig	chr4_4864740
chr4	10119189	10119189	+	9.906E-14	1.1196E-12	0.24073	hyper	sig	chr4_10119189
chr4	1.83E+08	182801769	+	9.906E-14	1.1197E-12	-0.31422	hypo	sig	chr4_182801769
chr11	1.23E+08	122977762	+	9.91E-14	1.1201E-12	0.266195	hyper	sig	chr11_122977762
chr22	50045031	50045031	+	9.913E-14	1.1204E-12	-0.23571	hypo	sig	chr22_50045031
chr19	4552617	4552617	+	9.913E-14	1.1204E-12	-0.22903	hypo	sig	chr19_4552617
chr6	13014874	13014874	+	9.915E-14	1.1206E-12	0.230804	hyper	sig	chr6_13014874
chr20	844023	844023	+	9.922E-14	1.1213E-12	-0.28673	hypo	sig	chr20_844023
chr1	26781694	26781694	+	9.925E-14	1.1217E-12	0.229022	hyper	sig	chr1_26781694
chr19	51719233	51719233	+	9.925E-14	1.1217E-12	0.276956	hyper	sig	chr19_51719233
chr19	53978650	53978650	+	9.931E-14	1.1223E-12	0.306703	hyper	sig	chr19_53978650
chr4	5704542	5704542	+	9.941E-14	1.1234E-12	-0.29377	hypo	sig	chr4_5704542
chr4	41879400	41879400	+	9.945E-14	1.1238E-12	0.241477	hyper	sig	chr4_41879400
chr7	2460178	2460178	+	9.946E-14	1.1239E-12	-0.28677	hypo	sig	chr7_2460178
chr8	1.44E+08	144012546	+	9.946E-14	1.1239E-12	-0.22415	hypo	sig	chr8_144012546
chr6	1.31E+08	131065798	+	9.949E-14	1.1242E-12	-0.26654	hypo	sig	chr6_131065798
chr4	7650308	7650308	+	9.951E-14	1.1244E-12	-0.30133	hypo	sig	chr4_7650308
chr6	93417617	93417617	+	9.969E-14	1.1264E-12	0.306218	hyper	sig	chr6_93417617
chr16	79589696	79589696	+	9.971E-14	1.1266E-12	0.305211	hyper	sig	chr16_79589696
chr5	1.41E+08	141399691	+	9.973E-14	1.1268E-12	0.250033	hyper	sig	chr5_141399691
chr5	1.8E+08	180216395	+	9.973E-14	1.1268E-12	-0.22539	hypo	sig	chr5_180216395
chr12	1.31E+08	131217022	+	9.984E-14	1.1281E-12	0.250699	hyper	sig	chr12_131217022
chr5	1.35E+08	135029097	+	9.987E-14	1.1283E-12	0.336874	hyper	sig	chr5_135029097
chr19	4670712	4670712	+	9.987E-14	1.1284E-12	-0.25428	hypo	sig	chr19_4670712
chr5	37837375	37837375	+	9.988E-14	1.1284E-12	0.212757	hyper	sig	chr5_37837375
chr1	47444379	47444379	+	9.991E-14	1.1287E-12	0.272451	hyper	sig	chr1_47444379
chr3	32817850	32817850	+	9.991E-14	1.1287E-12	0.286859	hyper	sig	chr3_32817850
chr9	841616	841616	+	9.994E-14	1.129E-12	0.262491	hyper	sig	chr9_841616
chr6	684102	684102	+	9.998E-14	1.1295E-12	0.312111	hyper	sig	chr6_684102
chr11	5929149	5929149	+	1E-13	1.1298E-12	-0.27552	hypo	sig	chr11_5929149
chr13	36346595	36346595	+	1E-13	1.1299E-12	0.222692	hyper	sig	chr13_36346595
chr9	1.34E+08	134243007	+	1E-13	1.1299E-12	0.275689	hyper	sig	chr9_134243007
chr1	2273833	2273833	+	1E-13	1.13E-12	0.222041	hyper	sig	chr1_2273833
chr17	48605746	48605746	+	1E-13	1.13E-12	-0.24518	hypo	sig	chr17_48605746
chr7	1.55E+08	154913366	+	1E-13	1.1302E-12	-0.30875	hypo	sig	chr7_154913366
chr1	1.19E+08	118983797	+	1.001E-13	1.1303E-12	0.295525	hyper	sig	chr1_118983797
chr11	46369521	46369521	+	1.001E-13	1.1308E-12	0.205356	hyper	sig	chr11_46369521
chr10	1.32E+08	132329960	+	1.001E-13	1.1312E-12	-0.25988	hypo	sig	chr10_132329960
chr10	1.03E+08	103490852	+	1.002E-13	1.1313E-12	-0.29194	hypo	sig	chr10_103490852

chr5	1.41E+08	141393472	+	1.002E-13	1.1313E-12	0.216605	hyper	sig	chr5_141393472
chr11	1.23E+08	122977756	+	1.002E-13	1.1315E-12	0.240976	hyper	sig	chr11_122977756
chr11	1.2E+08	120212056	+	1.003E-13	1.1325E-12	-0.20594	hypo	sig	chr11_120212056
chr1	3227244	3227244	+	1.003E-13	1.1326E-12	0.245324	hyper	sig	chr1_3227244
chr11	1.33E+08	132712716	+	1.003E-13	1.1326E-12	0.212178	hyper	sig	chr11_132712716
chr17	81296093	81296093	+	1.003E-13	1.1327E-12	-0.22979	hypo	sig	chr17_81296093
chr11	49208412	49208412	+	1.003E-13	1.133E-12	0.382483	hyper	sig	chr11_49208412
chr12	1.1E+08	109533436	+	1.004E-13	1.1335E-12	0.204836	hyper	sig	chr12_109533436
chr20	21517641	21517641	+	1.004E-13	1.1337E-12	0.285804	hyper	sig	chr20_21517641
chr11	69967160	69967160	+	1.004E-13	1.1342E-12	-0.21272	hypo	sig	chr11_69967160
chr7	43112670	43112670	+	1.005E-13	1.1345E-12	0.218267	hyper	sig	chr7_43112670
chr12	29150286	29150286	+	1.005E-13	1.1345E-12	-0.20523	hypo	sig	chr12_29150286
chr2	1.24E+08	124025337	+	1.005E-13	1.1346E-12	0.273087	hyper	sig	chr2_124025337
chr19	10514184	10514184	+	1.006E-13	1.1357E-12	0.241205	hyper	sig	chr19_10514184
chr9	36163547	36163547	+	1.006E-13	1.136E-12	0.305347	hyper	sig	chr9_36163547
chr3	1.4E+08	139540070	+	1.007E-13	1.1367E-12	0.235471	hyper	sig	chr3_139540070
chr4	3872086	3872086	+	1.007E-13	1.1368E-12	0.243425	hyper	sig	chr4_3872086
chr1	10530437	10530437	+	1.007E-13	1.1369E-12	0.318823	hyper	sig	chr1_10530437
chr8	1501931	1501931	+	1.007E-13	1.137E-12	-0.2606	hypo	sig	chr8_1501931
chr12	6142231	6142231	+	1.007E-13	1.1375E-12	-0.29025	hypo	sig	chr12_6142231
chr17	44384960	44384960	+	1.008E-13	1.1378E-12	0.278039	hyper	sig	chr17_44384960
chr16	62036171	62036171	+	1.009E-13	1.1389E-12	0.235556	hyper	sig	chr16_62036171
chr16	1049170	1049170	+	1.009E-13	1.139E-12	-0.30058	hypo	sig	chr16_1049170
chr2	94871634	94871634	+	1.009E-13	1.1395E-12	0.22086	hyper	sig	chr2_94871634
chr11	16610335	16610335	+	1.009E-13	1.1397E-12	0.212137	hyper	sig	chr11_16610335
chr9	35689478	35689478	+	1.009E-13	1.1397E-12	0.241616	hyper	sig	chr9_35689478
chr16	89383652	89383652	+	1.01E-13	1.14E-12	-0.23728	hypo	sig	chr16_89383652
chr13	1.12E+08	112053553	+	1.01E-13	1.1402E-12	0.300795	hyper	sig	chr13_112053553
chr13	40173078	40173078	+	1.01E-13	1.1402E-12	-0.21642	hypo	sig	chr13_40173078
chr11	22433134	22433134	+	1.01E-13	1.1405E-12	0.213883	hyper	sig	chr11_22433134
chr13	57632957	57632957	+	1.012E-13	1.1426E-12	0.334174	hyper	sig	chr13_57632957
chr11	92883952	92883952	+	1.012E-13	1.1428E-12	-0.30305	hypo	sig	chr11_92883952
chr22	50314604	50314604	+	1.015E-13	1.1452E-12	-0.26866	hypo	sig	chr22_50314604
chr6	1.6E+08	160091037	+	1.015E-13	1.1453E-12	-0.25527	hypo	sig	chr6_160091037
chr8	84183462	84183462	+	1.015E-13	1.1454E-12	0.341369	hyper	sig	chr8_84183462
chr16	67185188	67185188	+	1.015E-13	1.1455E-12	0.302462	hyper	sig	chr16_67185188
chr15	77975632	77975632	+	1.015E-13	1.1458E-12	0.292544	hyper	sig	chr15_77975632
chr20	40685432	40685432	+	1.016E-13	1.1463E-12	-0.26591	hypo	sig	chr20_40685432
chr7	949564	949564	+	1.017E-13	1.1477E-12	-0.26396	hypo	sig	chr7_949564
chr2	2.38E+08	237735346	+	1.018E-13	1.1485E-12	0.207777	hyper	sig	chr2_237735346
chr1	1.81E+08	181480613	+	1.018E-13	1.1486E-12	-0.22581	hypo	sig	chr1_181480613
chr10	1.22E+08	122463091	+	1.018E-13	1.1487E-12	0.245237	hyper	sig	chr10_122463091
chr12	29784447	29784447	+	1.018E-13	1.1491E-12	0.318691	hyper	sig	chr12_29784447
chr5	2387834	2387834	+	1.019E-13	1.1496E-12	0.230466	hyper	sig	chr5_2387834
chr11	2415058	2415058	+	1.019E-13	1.1496E-12	-0.29111	hypo	sig	chr11_2415058
chr2	63059489	63059489	+	1.02E-13	1.1507E-12	0.26226	hyper	sig	chr2_63059489
chr7	8435568	8435568	+	1.021E-13	1.152E-12	0.374539	hyper	sig	chr7_8435568
chr12	53982240	53982240	+	1.021E-13	1.1523E-12	0.250626	hyper	sig	chr12_53982240
chr10	86367566	86367566	+	1.022E-13	1.153E-12	0.231384	hyper	sig	chr10_86367566
chr2	24174933	24174933	+	1.022E-13	1.153E-12	0.318366	hyper	sig	chr2_24174933
chr1	1166026	1166026	+	1.023E-13	1.1541E-12	-0.28405	hypo	sig	chr1_1166026
chr5	1.81E+08	181174231	+	1.023E-13	1.1541E-12	0.284779	hyper	sig	chr5_181174231
chr12	75209212	75209212	+	1.023E-13	1.1548E-12	0.301006	hyper	sig	chr12_75209212
chr1	2.28E+08	228426318	+	1.024E-13	1.156E-12	-0.26357	hypo	sig	chr1_228426318
chr17	74048007	74048007	+	1.025E-13	1.1562E-12	-0.25407	hypo	sig	chr17_74048007
chr22	39374543	39374543	+	1.025E-13	1.1566E-12	-0.26431	hypo	sig	chr22_39374543

chr1	3630959	3630959	+	1.025E-13	1.1571E-12	0.237366	hyper	sig	chr1_3630959
chr1	2.47E+08	247332757	+	1.026E-13	1.1573E-12	0.201059	hyper	sig	chr1_247332757
chr7	1.54E+08	153749178	+	1.026E-13	1.1575E-12	0.267535	hyper	sig	chr7_153749178
chr15	96948203	96948203	+	1.026E-13	1.1576E-12	0.324914	hyper	sig	chr15_96948203
chr9	1.28E+08	127734532	+	1.026E-13	1.158E-12	0.204914	hyper	sig	chr9_127734532
chr20	50837766	50837766	+	1.027E-13	1.1585E-12	0.308274	hyper	sig	chr20_50837766
chr19	36604627	36604627	+	1.027E-13	1.1586E-12	0.282784	hyper	sig	chr19_36604627
chr2	2.01E+08	200586582	+	1.028E-13	1.1593E-12	0.284655	hyper	sig	chr2_200586582
chr17	80192468	80192468	+	1.028E-13	1.1597E-12	0.236318	hyper	sig	chr17_80192468
chr17	299693	299693	+	1.028E-13	1.16E-12	0.218278	hyper	sig	chr17_299693
chr17	81727514	81727514	+	1.028E-13	1.16E-12	-0.21452	hypo	sig	chr17_81727514
chr19	1762376	1762376	+	1.028E-13	1.1601E-12	0.260826	hyper	sig	chr19_1762376
chr5	2034986	2034986	+	1.03E-13	1.1616E-12	-0.24944	hypo	sig	chr5_2034986
chr6	1.63E+08	163137753	+	1.03E-13	1.1622E-12	-0.24965	hypo	sig	chr6_163137753
chr18	79430121	79430121	+	1.03E-13	1.1624E-12	-0.25042	hypo	sig	chr18_79430121
chr2	44944201	44944201	+	1.031E-13	1.1631E-12	0.360162	hyper	sig	chr2_44944201
chr8	31639069	31639069	+	1.031E-13	1.1634E-12	0.277833	hyper	sig	chr8_31639069
chr12	1.3E+08	130473607	+	1.032E-13	1.164E-12	-0.24118	hypo	sig	chr12_130473607
chr1	2.3E+08	229570448	+	1.033E-13	1.1648E-12	-0.30421	hypo	sig	chr1_229570448
chr19	3507846	3507846	+	1.033E-13	1.1653E-12	0.24953	hyper	sig	chr19_3507846
chr6	41239696	41239696	+	1.033E-13	1.1656E-12	0.242768	hyper	sig	chr6_41239696
chr6	73299131	73299131	+	1.034E-13	1.1663E-12	0.227815	hyper	sig	chr6_73299131
chr8	759607	759607	+	1.034E-13	1.1663E-12	-0.21689	hypo	sig	chr8_759607
chr6	1.17E+08	117263573	+	1.035E-13	1.1673E-12	0.207887	hyper	sig	chr6_117263573
chr16	49538316	49538316	+	1.035E-13	1.1678E-12	-0.25709	hypo	sig	chr16_49538316
chr3	73385657	73385657	+	1.036E-13	1.1685E-12	0.232116	hyper	sig	chr3_73385657
chr10	1.26E+08	125892555	+	1.036E-13	1.1687E-12	-0.28727	hypo	sig	chr10_125892555
chr16	56625895	56625895	+	1.036E-13	1.1688E-12	0.238105	hyper	sig	chr16_56625895
chr5	1099608	1099608	+	1.037E-13	1.169E-12	0.302049	hyper	sig	chr5_1099608
chr2	1.78E+08	178404483	+	1.037E-13	1.1696E-12	-0.23232	hypo	sig	chr2_178404483
chr17	82244559	82244559	+	1.038E-13	1.1705E-12	0.214432	hyper	sig	chr17_82244559
chr13	87677506	87677506	+	1.038E-13	1.1708E-12	0.299993	hyper	sig	chr13_87677506
chr19	3481785	3481785	+	1.038E-13	1.1708E-12	-0.27772	hypo	sig	chr19_3481785
chr20	9515871	9515871	+	1.038E-13	1.1709E-12	0.261696	hyper	sig	chr20_9515871
chr12	53951402	53951402	+	1.038E-13	1.1709E-12	0.214489	hyper	sig	chr12_53951402
chr13	1.14E+08	114121684	+	1.039E-13	1.1713E-12	-0.2402	hypo	sig	chr13_114121684
chr3	1.22E+08	122184673	+	1.039E-13	1.1718E-12	0.269275	hyper	sig	chr3_122184673
chr10	1.05E+08	104641582	+	1.039E-13	1.1718E-12	0.245172	hyper	sig	chr10_104641582
chr5	1217973	1217973	+	1.04E-13	1.1728E-12	-0.29366	hypo	sig	chr5_1217973
chr5	17490704	17490704	+	1.041E-13	1.1736E-12	-0.22645	hypo	sig	chr5_17490704
chr7	229594	229594	+	1.041E-13	1.174E-12	0.245868	hyper	sig	chr7_229594
chr20	25058719	25058719	+	1.042E-13	1.1744E-12	0.208466	hyper	sig	chr20_25058719
chr11	1748288	1748288	+	1.042E-13	1.1745E-12	0.276866	hyper	sig	chr11_1748288
chr10	1.33E+08	132960356	+	1.042E-13	1.1749E-12	-0.22166	hypo	sig	chr10_132960356
chr19	2428569	2428569	+	1.043E-13	1.1754E-12	0.225824	hyper	sig	chr19_2428569
chr11	2386028	2386028	+	1.043E-13	1.1755E-12	0.249528	hyper	sig	chr11_2386028
chr8	1362941	1362941	+	1.043E-13	1.176E-12	-0.29697	hypo	sig	chr8_1362941
chr11	45661924	45661924	+	1.044E-13	1.1764E-12	-0.36363	hypo	sig	chr11_45661924
chr20	21396401	21396401	+	1.044E-13	1.1765E-12	0.290815	hyper	sig	chr20_21396401
chr17	950739	950739	+	1.044E-13	1.1767E-12	0.2022	hyper	sig	chr17_950739
chr9	1.29E+08	128701686	+	1.045E-13	1.1775E-12	0.205299	hyper	sig	chr9_128701686
chr4	1.5E+08	150257014	+	1.045E-13	1.1776E-12	-0.24022	hypo	sig	chr4_150257014
chr7	1.06E+08	105582252	+	1.046E-13	1.1788E-12	-0.28006	hypo	sig	chr7_105582252
chr13	36432017	36432017	+	1.046E-13	1.179E-12	0.291548	hyper	sig	chr13_36432017
chr2	10042892	10042892	+	1.047E-13	1.1798E-12	0.202911	hyper	sig	chr2_10042892
chr6	1.5E+08	149964561	+	1.047E-13	1.18E-12	0.204249	hyper	sig	chr6_149964561

chr10	1.04E+08	103661689	+	1.047E-13	1.1802E-12	0.291376	hyper	sig	chr10_103661689
chr2	951822	951822	+	1.047E-13	1.1804E-12	0.205076	hyper	sig	chr2_951822
chr5	37834956	37834956	+	1.048E-13	1.1808E-12	0.279261	hyper	sig	chr5_37834956
chr8	64382083	64382083	+	1.048E-13	1.181E-12	0.244878	hyper	sig	chr8_64382083
chr17	82242975	82242975	+	1.048E-13	1.1815E-12	0.257941	hyper	sig	chr17_82242975
chr13	42001687	42001687	+	1.049E-13	1.1825E-12	0.21814	hyper	sig	chr13_42001687
chr17	78117677	78117677	+	1.049E-13	1.1826E-12	0.284469	hyper	sig	chr17_78117677
chr9	1.36E+08	135987701	+	1.05E-13	1.1829E-12	-0.25712	hypo	sig	chr9_135987701
chr8	1080551	1080551	+	1.051E-13	1.1846E-12	0.292453	hyper	sig	chr8_1080551
chr10	79221419	79221419	+	1.053E-13	1.1868E-12	0.317542	hyper	sig	chr10_79221419
chr4	6197611	6197611	+	1.053E-13	1.187E-12	-0.20727	hypo	sig	chr4_6197611
chr2	96548603	96548603	+	1.053E-13	1.187E-12	0.215224	hyper	sig	chr2_96548603
chr2	63048458	63048458	+	1.054E-13	1.1875E-12	0.288757	hyper	sig	chr2_63048458
chr11	69296060	69296060	+	1.054E-13	1.1878E-12	-0.25604	hypo	sig	chr11_69296060
chr1	65792771	65792771	+	1.055E-13	1.1886E-12	0.226604	hyper	sig	chr1_65792771
chr19	58118722	58118722	+	1.055E-13	1.1893E-12	0.292235	hyper	sig	chr19_58118722
chr6	1.67E+08	166649793	+	1.055E-13	1.1893E-12	-0.20208	hypo	sig	chr6_166649793
chr20	62686742	62686742	+	1.056E-13	1.19E-12	-0.25183	hypo	sig	chr20_62686742
chr10	70694224	70694224	+	1.056E-13	1.1903E-12	0.219625	hyper	sig	chr10_70694224
chr19	1908133	1908133	+	1.057E-13	1.1914E-12	-0.21943	hypo	sig	chr19_1908133
chr8	2034924	2034924	+	1.059E-13	1.1935E-12	-0.23991	hypo	sig	chr8_2034924
chr14	1.01E+08	101023916	+	1.06E-13	1.1939E-12	-0.21042	hypo	sig	chr14_101023916
chr8	1.42E+08	142174106	+	1.06E-13	1.1947E-12	-0.22765	hypo	sig	chr8_142174106
chr19	7924835	7924835	+	1.061E-13	1.1948E-12	0.302436	hyper	sig	chr19_7924835
chr12	41188224	41188224	+	1.061E-13	1.195E-12	0.271048	hyper	sig	chr12_41188224
chr3	14810845	14810845	+	1.061E-13	1.1957E-12	0.212177	hyper	sig	chr3_14810845
chr2	3779049	3779049	+	1.062E-13	1.1959E-12	-0.2669	hypo	sig	chr2_3779049
chr19	10294550	10294550	+	1.062E-13	1.1965E-12	0.238856	hyper	sig	chr19_10294550
chr11	60852228	60852228	+	1.062E-13	1.1965E-12	-0.26139	hypo	sig	chr11_60852228
chr18	13869400	13869400	+	1.063E-13	1.1971E-12	0.290811	hyper	sig	chr18_13869400
chr11	1.29E+08	128824206	+	1.063E-13	1.1975E-12	0.289184	hyper	sig	chr11_128824206
chr5	42994077	42994077	+	1.065E-13	1.1995E-12	0.235594	hyper	sig	chr5_42994077
chr1	1127788	1127788	+	1.065E-13	1.1995E-12	-0.23578	hypo	sig	chr1_1127788
chr13	78597188	78597188	+	1.066E-13	1.2E-12	0.273556	hyper	sig	chr13_78597188
chr5	3602299	3602299	+	1.066E-13	1.2007E-12	0.283403	hyper	sig	chr5_3602299
chr1	2.08E+08	207869636	+	1.066E-13	1.2009E-12	-0.2449	hypo	sig	chr1_207869636
chr4	17781859	17781859	+	1.068E-13	1.2028E-12	0.299838	hyper	sig	chr4_17781859
chr1	2.03E+08	203050009	+	1.068E-13	1.2028E-12	-0.2299	hypo	sig	chr1_203050009
chr11	20601052	20601052	+	1.068E-13	1.2031E-12	0.245054	hyper	sig	chr11_20601052
chr3	48656189	48656189	+	1.069E-13	1.2033E-12	0.261187	hyper	sig	chr3_48656189
chr1	3247775	3247775	+	1.069E-13	1.204E-12	0.234248	hyper	sig	chr1_3247775
chr16	87646818	87646818	+	1.07E-13	1.2046E-12	-0.20941	hypo	sig	chr16_87646818
chr3	11017341	11017341	+	1.07E-13	1.2053E-12	-0.21682	hypo	sig	chr3_11017341
chr17	82066301	82066301	+	1.071E-13	1.2055E-12	-0.23056	hypo	sig	chr17_82066301
chr17	42783947	42783947	+	1.071E-13	1.2055E-12	0.284543	hyper	sig	chr17_42783947
chr10	1.01E+08	100826453	+	1.072E-13	1.2066E-12	0.213127	hyper	sig	chr10_100826453
chr11	1344254	1344254	+	1.072E-13	1.207E-12	-0.21889	hypo	sig	chr11_1344254
chr14	94773083	94773083	+	1.072E-13	1.2073E-12	0.228616	hyper	sig	chr14_94773083
chr19	58034950	58034950	+	1.074E-13	1.2087E-12	0.297934	hyper	sig	chr19_58034950
chr2	1.13E+08	113275998	+	1.074E-13	1.2091E-12	0.23209	hyper	sig	chr2_113275998
chr3	62368075	62368075	+	1.074E-13	1.2095E-12	0.260268	hyper	sig	chr3_62368075
chr4	75631205	75631205	+	1.075E-13	1.2106E-12	0.227997	hyper	sig	chr4_75631205
chr16	67163633	67163633	+	1.076E-13	1.2115E-12	0.292779	hyper	sig	chr16_67163633
chr20	22572338	22572338	+	1.078E-13	1.2131E-12	0.206317	hyper	sig	chr20_22572338
chr7	1.59E+08	158979099	+	1.078E-13	1.2134E-12	-0.25417	hypo	sig	chr7_158979099
chr17	28717329	28717329	+	1.078E-13	1.2135E-12	0.251481	hyper	sig	chr17_28717329

chr5	1.77E+08	176887736	+	1.079E-13	1.2151E-12	-0.20631	hypo	sig	chr5_176887736
chr12	53951320	53951320	+	1.08E-13	1.2154E-12	0.209983	hyper	sig	chr12_53951320
chr2	1.3E+08	130005931	+	1.08E-13	1.2157E-12	0.203836	hyper	sig	chr2_130005931
chr11	67452411	67452411	+	1.081E-13	1.2166E-12	-0.24242	hypo	sig	chr11_67452411
chr8	98949646	98949646	+	1.082E-13	1.2175E-12	0.260506	hyper	sig	chr8_98949646
chr10	1.01E+08	101228409	+	1.082E-13	1.2177E-12	0.232212	hyper	sig	chr10_101228409
chr20	21102162	21102162	+	1.083E-13	1.2187E-12	0.26989	hyper	sig	chr20_21102162
chr5	1217461	1217461	+	1.083E-13	1.2194E-12	-0.21661	hypo	sig	chr5_1217461
chr7	1.58E+08	158450793	+	1.083E-13	1.2194E-12	-0.23787	hypo	sig	chr7_158450793
chr15	41502110	41502110	+	1.084E-13	1.2199E-12	0.26227	hyper	sig	chr15_41502110
chr1	926298	926298	+	1.085E-13	1.2217E-12	-0.24162	hypo	sig	chr1_926298
chr11	1.3E+08	130166730	+	1.086E-13	1.2225E-12	-0.24939	hypo	sig	chr11_130166730
chr19	34905347	34905347	+	1.086E-13	1.2225E-12	0.26838	hyper	sig	chr19_34905347
chr19	58043101	58043101	+	1.087E-13	1.2232E-12	0.262956	hyper	sig	chr19_58043101
chr19	11345193	11345193	+	1.087E-13	1.2236E-12	-0.25039	hypo	sig	chr19_11345193
chr11	1916244	1916244	+	1.089E-13	1.2254E-12	-0.23569	hypo	sig	chr11_1916244
chr11	18791092	18791092	+	1.089E-13	1.2259E-12	0.386122	hyper	sig	chr11_18791092
chr12	1.14E+08	114441266	+	1.09E-13	1.2268E-12	0.31724	hyper	sig	chr12_114441266
chr16	535226	535226	+	1.09E-13	1.2269E-12	-0.30608	hypo	sig	chr16_535226
chr3	86989793	86989793	+	1.09E-13	1.2269E-12	0.231872	hyper	sig	chr3_86989793
chr11	70141210	70141210	+	1.091E-13	1.2272E-12	0.211263	hyper	sig	chr11_70141210
chr4	1154612	1154612	+	1.091E-13	1.2274E-12	-0.25154	hypo	sig	chr4_1154612
chr20	24470498	24470498	+	1.091E-13	1.2275E-12	0.224468	hyper	sig	chr20_24470498
chr17	77286694	77286694	+	1.091E-13	1.2278E-12	-0.22107	hypo	sig	chr17_77286694
chr2	886268	886268	+	1.092E-13	1.2284E-12	-0.22645	hypo	sig	chr2_886268
chr12	1.23E+08	123075976	+	1.092E-13	1.2289E-12	0.20273	hyper	sig	chr12_123075976
chr15	26967764	26967764	+	1.093E-13	1.2302E-12	0.352359	hyper	sig	chr15_26967764
chr3	47010035	47010035	+	1.096E-13	1.2326E-12	0.306031	hyper	sig	chr3_47010035
chr9	97852770	97852770	+	1.096E-13	1.2327E-12	0.240874	hyper	sig	chr9_97852770
chr7	1.59E+08	159157118	+	1.096E-13	1.2333E-12	-0.22702	hypo	sig	chr7_159157118
chr9	1.37E+08	136986066	+	1.097E-13	1.2343E-12	0.282795	hyper	sig	chr9_136986066
chr8	1.01E+08	100650471	+	1.097E-13	1.2345E-12	-0.27708	hypo	sig	chr8_100650471
chr1	38044559	38044559	+	1.098E-13	1.2357E-12	0.28219	hyper	sig	chr1_38044559
chr2	2.18E+08	218354862	+	1.099E-13	1.2367E-12	-0.27179	hypo	sig	chr2_218354862
chr3	62371322	62371322	+	1.1E-13	1.2372E-12	0.291849	hyper	sig	chr3_62371322
chr8	37798702	37798702	+	1.1E-13	1.2377E-12	0.248101	hyper	sig	chr8_37798702
chr6	12749756	12749756	+	1.1E-13	1.2378E-12	0.282811	hyper	sig	chr6_12749756
chr11	733162	733162	+	1.101E-13	1.2381E-12	-0.22735	hypo	sig	chr11_733162
chr19	58368510	58368510	+	1.101E-13	1.2384E-12	0.249952	hyper	sig	chr19_58368510
chr7	2787599	2787599	+	1.101E-13	1.2388E-12	0.200817	hyper	sig	chr7_2787599
chr13	1.14E+08	114031888	+	1.102E-13	1.2391E-12	0.204954	hyper	sig	chr13_114031888
chr1	1.11E+08	110675594	+	1.102E-13	1.2398E-12	0.278798	hyper	sig	chr1_110675594
chr15	65077555	65077555	+	1.102E-13	1.2398E-12	0.22905	hyper	sig	chr15_65077555
chr12	52233649	52233649	+	1.103E-13	1.2402E-12	0.288281	hyper	sig	chr12_52233649
chr12	1.3E+08	130468391	+	1.103E-13	1.2406E-12	-0.24314	hypo	sig	chr12_130468391
chr7	923779	923779	+	1.104E-13	1.2422E-12	-0.25396	hypo	sig	chr7_923779
chr19	43699503	43699503	+	1.105E-13	1.2425E-12	0.280565	hyper	sig	chr19_43699503
chr12	1.13E+08	113463391	+	1.105E-13	1.2428E-12	0.230945	hyper	sig	chr12_113463391
chr13	20717963	20717963	+	1.105E-13	1.2428E-12	-0.22457	hypo	sig	chr13_20717963
chr12	1.32E+08	131847714	+	1.105E-13	1.2428E-12	-0.23868	hypo	sig	chr12_131847714
chr7	822734	822734	+	1.106E-13	1.2437E-12	0.272569	hyper	sig	chr7_822734
chr19	4552547	4552547	+	1.106E-13	1.2437E-12	-0.23009	hypo	sig	chr19_4552547
chr7	923786	923786	+	1.106E-13	1.2439E-12	-0.24827	hypo	sig	chr7_923786
chr7	29987838	29987838	+	1.107E-13	1.2444E-12	-0.23927	hypo	sig	chr7_29987838
chr15	96366606	96366606	+	1.107E-13	1.2447E-12	0.239551	hyper	sig	chr15_96366606
chr2	2.42E+08	241804061	+	1.107E-13	1.2447E-12	0.205188	hyper	sig	chr2_241804061

chr14	69548149	69548149	+	1.108E-13	1.2455E-12	0.28247	hyper	sig	chr14_69548149
chr18	37274298	37274298	+	1.108E-13	1.2458E-12	0.300999	hyper	sig	chr18_37274298
chr7	27210074	27210074	+	1.108E-13	1.2462E-12	-0.23563	hypo	sig	chr7_27210074
chr15	75198831	75198831	+	1.109E-13	1.2464E-12	-0.25499	hypo	sig	chr15_75198831
chr10	1.23E+08	123148222	+	1.109E-13	1.2471E-12	0.260419	hyper	sig	chr10_123148222
chr1	1070011	1070011	+	1.11E-13	1.248E-12	-0.25159	hypo	sig	chr1_1070011
chr19	54662981	54662981	+	1.111E-13	1.2494E-12	-0.27469	hypo	sig	chr19_54662981
chr6	35148178	35148178	+	1.112E-13	1.2498E-12	0.239041	hyper	sig	chr6_35148178
chr19	35533838	35533838	+	1.112E-13	1.2502E-12	0.394039	hyper	sig	chr19_35533838
chr6	84764957	84764957	+	1.112E-13	1.2504E-12	0.227862	hyper	sig	chr6_84764957
chr5	1.35E+08	135039183	+	1.113E-13	1.2507E-12	0.287441	hyper	sig	chr5_135039183
chr7	37916222	37916222	+	1.113E-13	1.251E-12	0.259103	hyper	sig	chr7_37916222
chr13	99975133	99975133	+	1.113E-13	1.2514E-12	0.223032	hyper	sig	chr13_99975133
chr19	33623145	33623145	+	1.114E-13	1.2521E-12	0.231422	hyper	sig	chr19_33623145
chr17	81121892	81121892	+	1.114E-13	1.2525E-12	0.281077	hyper	sig	chr17_81121892
chr6	1.1E+08	110400094	+	1.115E-13	1.2533E-12	0.289939	hyper	sig	chr6_110400094
chr15	70407297	70407297	+	1.115E-13	1.2533E-12	0.252201	hyper	sig	chr15_70407297
chr10	93060329	93060329	+	1.117E-13	1.2561E-12	0.276945	hyper	sig	chr10_93060329
chr21	18245781	18245781	+	1.118E-13	1.2562E-12	0.223844	hyper	sig	chr21_18245781
chr3	1.47E+08	147389103	+	1.118E-13	1.2566E-12	0.217491	hyper	sig	chr3_147389103
chr4	1.11E+08	110612667	+	1.119E-13	1.2577E-12	0.229205	hyper	sig	chr4_110612667
chr5	1.41E+08	140926496	+	1.119E-13	1.2578E-12	0.201835	hyper	sig	chr5_140926496
chr19	16733799	16733799	+	1.119E-13	1.2581E-12	0.248268	hyper	sig	chr19_16733799
chr16	58472427	58472427	+	1.12E-13	1.2585E-12	-0.24705	hypo	sig	chr16_58472427
chr11	27722926	27722926	+	1.12E-13	1.259E-12	0.25004	hyper	sig	chr11_27722926
chr5	1.78E+08	178387720	+	1.121E-13	1.2599E-12	-0.21875	hypo	sig	chr5_178387720
chr7	1.54E+08	153887298	+	1.122E-13	1.2604E-12	0.294703	hyper	sig	chr7_153887298
chr10	23172680	23172680	+	1.122E-13	1.2605E-12	0.276628	hyper	sig	chr10_23172680
chr7	2682103	2682103	+	1.122E-13	1.2605E-12	-0.27666	hypo	sig	chr7_2682103
chr3	1.8E+08	180036741	+	1.122E-13	1.2608E-12	0.209559	hyper	sig	chr3_180036741
chr5	1.38E+08	137870667	+	1.122E-13	1.2611E-12	-0.23468	hypo	sig	chr5_137870667
chr12	57727206	57727206	+	1.123E-13	1.2619E-12	0.31164	hyper	sig	chr12_57727206
chr19	40513030	40513030	+	1.123E-13	1.2624E-12	0.254067	hyper	sig	chr19_40513030
chr17	40770318	40770318	+	1.124E-13	1.263E-12	-0.26707	hypo	sig	chr17_40770318
chr1	1.19E+08	118989369	+	1.124E-13	1.2632E-12	0.297334	hyper	sig	chr1_118989369
chr4	1.11E+08	110633345	+	1.125E-13	1.2645E-12	0.267444	hyper	sig	chr4_110633345
chr10	84541100	84541100	+	1.126E-13	1.2647E-12	0.257871	hyper	sig	chr10_84541100
chr1	3480471	3480471	+	1.126E-13	1.2648E-12	-0.28693	hypo	sig	chr1_3480471
chr4	1339148	1339148	+	1.127E-13	1.2663E-12	-0.23487	hypo	sig	chr4_1339148
chr19	14085808	14085808	+	1.128E-13	1.2669E-12	0.369099	hyper	sig	chr19_14085808
chr2	1.72E+08	172080635	+	1.128E-13	1.2674E-12	0.21603	hyper	sig	chr2_172080635
chr8	46105031	46105031	+	1.128E-13	1.2674E-12	-0.28835	hypo	sig	chr8_46105031
chr8	56445534	56445534	+	1.128E-13	1.2678E-12	0.217031	hyper	sig	chr8_56445534
chr14	85532121	85532121	+	1.129E-13	1.2682E-12	0.213756	hyper	sig	chr14_85532121
chr17	28711830	28711830	+	1.13E-13	1.2691E-12	0.20892	hyper	sig	chr17_28711830
chr1	3293853	3293853	+	1.13E-13	1.2697E-12	-0.21543	hypo	sig	chr1_3293853
chr14	37622877	37622877	+	1.131E-13	1.2702E-12	0.217877	hyper	sig	chr14_37622877
chr17	81400759	81400759	+	1.131E-13	1.2705E-12	0.217839	hyper	sig	chr17_81400759
chr16	85394228	85394228	+	1.132E-13	1.2711E-12	0.288563	hyper	sig	chr16_85394228
chr8	1.01E+08	101493302	+	1.132E-13	1.2712E-12	-0.23322	hypo	sig	chr8_101493302
chr7	1411134	1411134	+	1.132E-13	1.2713E-12	-0.25447	hypo	sig	chr7_1411134
chr10	1.11E+08	111075179	+	1.132E-13	1.2719E-12	-0.25639	hypo	sig	chr10_111075179
chr10	71316989	71316989	+	1.133E-13	1.2724E-12	-0.32418	hypo	sig	chr10_71316989
chr12	1.13E+08	113077584	+	1.134E-13	1.2734E-12	0.202222	hyper	sig	chr12_113077584
chr5	79111595	79111595	+	1.135E-13	1.2747E-12	-0.2206	hypo	sig	chr5_79111595
chr19	49528121	49528121	+	1.135E-13	1.2752E-12	0.283934	hyper	sig	chr19_49528121

chr12	1.21E+08	120650524	+	1.135E-13	1.2753E-12	0.214072	hyper	sig	chr12_120650524
chr19	10514175	10514175	+	1.136E-13	1.2762E-12	0.247455	hyper	sig	chr19_10514175
chr2	2.22E+08	222312311	+	1.136E-13	1.2763E-12	0.232286	hyper	sig	chr2_222312311
chr11	57647210	57647210	+	1.136E-13	1.2763E-12	0.20383	hyper	sig	chr11_57647210
chr17	79048386	79048386	+	1.136E-13	1.2763E-12	-0.26718	hypo	sig	chr17_79048386
chr11	3232570	3232570	+	1.138E-13	1.2775E-12	0.21424	hyper	sig	chr11_3232570
chr11	1.2E+08	119742747	+	1.138E-13	1.278E-12	0.215902	hyper	sig	chr11_119742747
chr11	61679360	61679360	+	1.138E-13	1.2783E-12	-0.21485	hypo	sig	chr11_61679360
chr19	54312896	54312896	+	1.139E-13	1.2786E-12	-0.22811	hypo	sig	chr19_54312896
chr11	2299417	2299417	+	1.139E-13	1.2787E-12	-0.25896	hypo	sig	chr11_2299417
chr7	26151912	26151912	+	1.139E-13	1.2788E-12	-0.27588	hypo	sig	chr7_26151912
chr8	1.4E+08	139654636	+	1.139E-13	1.2793E-12	-0.25407	hypo	sig	chr8_139654636
chr4	80266098	80266098	+	1.14E-13	1.2797E-12	0.203654	hyper	sig	chr4_80266098
chr22	43397852	43397852	+	1.14E-13	1.2805E-12	-0.27263	hypo	sig	chr22_43397852
chr7	74094572	74094572	+	1.14E-13	1.2805E-12	0.227654	hyper	sig	chr7_74094572
chr2	66437789	66437789	+	1.141E-13	1.2808E-12	0.212481	hyper	sig	chr2_66437789
chr11	65607661	65607661	+	1.141E-13	1.2809E-12	0.234549	hyper	sig	chr11_65607661
chr6	1.7E+08	170089820	+	1.142E-13	1.2826E-12	-0.29797	hypo	sig	chr6_170089820
chr7	63067883	63067883	+	1.143E-13	1.2828E-12	0.284539	hyper	sig	chr7_63067883
chr11	1.18E+08	117502534	+	1.143E-13	1.2837E-12	-0.27834	hypo	sig	chr11_117502534
chr6	1.7E+08	170177198	+	1.144E-13	1.284E-12	-0.31758	hypo	sig	chr6_170177198
chr14	1.04E+08	103727913	+	1.145E-13	1.285E-12	0.2203	hyper	sig	chr14_103727913
chr13	1.11E+08	110645202	+	1.145E-13	1.286E-12	0.244459	hyper	sig	chr13_110645202
chr4	6664009	6664009	+	1.146E-13	1.2861E-12	0.323772	hyper	sig	chr4_6664009
chr3	1.31E+08	130517345	+	1.146E-13	1.2862E-12	0.268531	hyper	sig	chr3_130517345
chr20	25058734	25058734	+	1.146E-13	1.2865E-12	0.273875	hyper	sig	chr20_25058734
chr3	1.47E+08	147411991	+	1.146E-13	1.2868E-12	0.246713	hyper	sig	chr3_147411991
chr4	8200838	8200838	+	1.147E-13	1.2876E-12	-0.26266	hypo	sig	chr4_8200838
chr2	11656926	11656926	+	1.147E-13	1.2878E-12	-0.27627	hypo	sig	chr2_11656926
chr1	36321572	36321572	+	1.148E-13	1.2888E-12	0.352693	hyper	sig	chr1_36321572
chr10	99234064	99234064	+	1.149E-13	1.2899E-12	0.2091	hyper	sig	chr10_99234064
chr7	1.51E+08	150976911	+	1.149E-13	1.2902E-12	0.296549	hyper	sig	chr7_150976911
chr4	4864874	4864874	+	1.15E-13	1.2908E-12	0.301062	hyper	sig	chr4_4864874
chr11	1870578	1870578	+	1.15E-13	1.2911E-12	-0.30457	hypo	sig	chr11_1870578
chr12	57550276	57550276	+	1.152E-13	1.2927E-12	0.230444	hyper	sig	chr12_57550276
chr2	1.68E+08	168244374	+	1.152E-13	1.2931E-12	-0.21441	hypo	sig	chr2_168244374
chr3	48662029	48662029	+	1.152E-13	1.2931E-12	0.352993	hyper	sig	chr3_48662029
chr5	1.41E+08	141355208	+	1.153E-13	1.2938E-12	0.225112	hyper	sig	chr5_141355208
chr22	46085151	46085151	+	1.153E-13	1.2944E-12	-0.2977	hypo	sig	chr22_46085151
chr16	27403097	27403097	+	1.154E-13	1.2948E-12	-0.21202	hypo	sig	chr16_27403097
chr13	36298122	36298122	+	1.155E-13	1.2963E-12	0.242272	hyper	sig	chr13_36298122
chr12	1.31E+08	130712466	+	1.157E-13	1.298E-12	-0.28474	hypo	sig	chr12_130712466
chr10	1E+08	100081661	+	1.158E-13	1.2993E-12	-0.25189	hypo	sig	chr10_100081661
chr20	21503350	21503350	+	1.159E-13	1.3002E-12	-0.23229	hypo	sig	chr20_21503350
chr7	1574203	1574203	+	1.16E-13	1.3014E-12	-0.23547	hypo	sig	chr7_1574203
chr5	2643163	2643163	+	1.16E-13	1.3019E-12	0.264374	hyper	sig	chr5_2643163
chr1	9371535	9371535	+	1.161E-13	1.3025E-12	0.382216	hyper	sig	chr1_9371535
chr1	90717473	90717473	+	1.162E-13	1.3034E-12	0.330635	hyper	sig	chr1_90717473
chr6	1.37E+08	137495432	+	1.162E-13	1.3037E-12	0.216067	hyper	sig	chr6_137495432
chr7	86644441	86644441	+	1.162E-13	1.3041E-12	0.236273	hyper	sig	chr7_86644441
chr12	1.23E+08	123151732	+	1.162E-13	1.3042E-12	0.21574	hyper	sig	chr12_123151732
chr10	79610535	79610535	+	1.163E-13	1.3044E-12	-0.26475	hypo	sig	chr10_79610535
chr6	1.08E+08	108167484	+	1.163E-13	1.3048E-12	0.249797	hyper	sig	chr6_108167484
chr10	1.33E+08	132817660	+	1.164E-13	1.3056E-12	-0.21309	hypo	sig	chr10_132817660
chr17	8177335	8177335	+	1.164E-13	1.3059E-12	-0.26722	hypo	sig	chr17_8177335
chr1	1.6E+08	159929877	+	1.164E-13	1.3063E-12	-0.22061	hypo	sig	chr1_159929877

chr6	1E+08	100458300	+	1.165E-13	1.3067E-12	0.208921	hyper	sig	chr6_100458300
chr16	783280	783280	+	1.165E-13	1.3067E-12	-0.22623	hypo	sig	chr16_783280
chr8	1514061	1514061	+	1.165E-13	1.3069E-12	-0.31283	hypo	sig	chr8_1514061
chr11	1.21E+08	120517133	+	1.165E-13	1.307E-12	-0.23822	hypo	sig	chr11_120517133
chr7	1.01E+08	101020158	+	1.166E-13	1.3079E-12	-0.21297	hypo	sig	chr7_101020158
chr6	10381581	10381581	+	1.166E-13	1.308E-12	0.247876	hyper	sig	chr6_10381581
chr18	37567116	37567116	+	1.167E-13	1.3085E-12	0.200232	hyper	sig	chr18_37567116
chr2	38074625	38074625	+	1.167E-13	1.3086E-12	0.254764	hyper	sig	chr2_38074625
chr12	1.1E+08	109877740	+	1.167E-13	1.3086E-12	0.219961	hyper	sig	chr12_109877740
chr2	88453171	88453171	+	1.167E-13	1.3091E-12	0.230394	hyper	sig	chr2_88453171
chr14	36504160	36504160	+	1.167E-13	1.3095E-12	0.282944	hyper	sig	chr14_36504160
chr1	75135414	75135414	+	1.168E-13	1.3096E-12	0.200438	hyper	sig	chr1_75135414
chr16	821210	821210	+	1.168E-13	1.3096E-12	-0.29582	hypo	sig	chr16_821210
chr17	19018924	19018924	+	1.17E-13	1.312E-12	-0.23142	hypo	sig	chr17_19018924
chr19	28794079	28794079	+	1.171E-13	1.3129E-12	0.281271	hyper	sig	chr19_28794079
chr2	1.39E+08	138780129	+	1.171E-13	1.3132E-12	0.261316	hyper	sig	chr2_138780129
chr15	74132658	74132658	+	1.171E-13	1.3134E-12	0.237433	hyper	sig	chr15_74132658
chr11	16610564	16610564	+	1.172E-13	1.3141E-12	0.220678	hyper	sig	chr11_16610564
chr5	1.41E+08	141150886	+	1.172E-13	1.3148E-12	0.239503	hyper	sig	chr5_141150886
chr6	33276442	33276442	+	1.174E-13	1.3163E-12	-0.21034	hypo	sig	chr6_33276442
chr20	54475910	54475910	+	1.174E-13	1.3164E-12	0.321429	hyper	sig	chr20_54475910
chr6	28988703	28988703	+	1.175E-13	1.3178E-12	0.213044	hyper	sig	chr6_28988703
chr2	20671359	20671359	+	1.175E-13	1.318E-12	0.331146	hyper	sig	chr2_20671359
chr2	27082718	27082718	+	1.176E-13	1.3184E-12	0.212661	hyper	sig	chr2_27082718
chr11	68269779	68269779	+	1.176E-13	1.3188E-12	0.273561	hyper	sig	chr11_68269779
chr6	31056414	31056414	+	1.176E-13	1.3189E-12	-0.21023	hypo	sig	chr6_31056414
chr3	1.86E+08	185559948	+	1.176E-13	1.319E-12	-0.20101	hypo	sig	chr3_185559948
chr12	5043600	5043600	+	1.176E-13	1.3192E-12	0.2164	hyper	sig	chr12_5043600
chr6	10422237	10422237	+	1.177E-13	1.3202E-12	0.224884	hyper	sig	chr6_10422237
chr1	38051600	38051600	+	1.178E-13	1.321E-12	-0.24649	hypo	sig	chr1_38051600
chr6	98827455	98827455	+	1.179E-13	1.3213E-12	0.20067	hyper	sig	chr6_98827455
chr22	45309111	45309111	+	1.179E-13	1.3217E-12	-0.24902	hypo	sig	chr22_45309111
chr13	1.12E+08	111925693	+	1.179E-13	1.3219E-12	-0.2413	hypo	sig	chr13_111925693
chr7	1232807	1232807	+	1.18E-13	1.3228E-12	0.271037	hyper	sig	chr7_1232807
chr3	62373365	62373365	+	1.182E-13	1.3247E-12	0.251124	hyper	sig	chr3_62373365
chr1	1.57E+08	156676507	+	1.182E-13	1.3252E-12	0.255942	hyper	sig	chr1_156676507
chr16	1655641	1655641	+	1.182E-13	1.3253E-12	-0.29874	hypo	sig	chr16_1655641
chr12	1.33E+08	132888331	+	1.183E-13	1.3257E-12	0.247947	hyper	sig	chr12_132888331
chr1	36737830	36737830	+	1.183E-13	1.3264E-12	0.269156	hyper	sig	chr1_36737830
chr22	50178660	50178660	+	1.183E-13	1.3267E-12	0.214485	hyper	sig	chr22_50178660
chr1	2.06E+08	205568709	+	1.184E-13	1.327E-12	0.204794	hyper	sig	chr1_205568709
chr15	24878229	24878229	+	1.184E-13	1.3272E-12	0.229954	hyper	sig	chr15_24878229
chr6	55579369	55579369	+	1.184E-13	1.3274E-12	0.230702	hyper	sig	chr6_55579369
chr16	85892527	85892527	+	1.184E-13	1.3276E-12	-0.24775	hypo	sig	chr16_85892527
chr10	75405341	75405341	+	1.185E-13	1.3283E-12	-0.20787	hypo	sig	chr10_75405341
chr2	492819	492819	+	1.186E-13	1.3289E-12	-0.21651	hypo	sig	chr2_492819
chr15	66853437	66853437	+	1.186E-13	1.3294E-12	-0.23693	hypo	sig	chr15_66853437
chr6	41470779	41470779	+	1.186E-13	1.3296E-12	-0.29482	hypo	sig	chr6_41470779
chr17	7855299	7855299	+	1.186E-13	1.3298E-12	0.259473	hyper	sig	chr17_7855299
chr17	5500062	5500062	+	1.187E-13	1.3301E-12	0.313097	hyper	sig	chr17_5500062
chr1	1.83E+08	183417170	+	1.187E-13	1.3304E-12	0.329478	hyper	sig	chr1_183417170
chr14	1.03E+08	103225226	+	1.187E-13	1.3307E-12	-0.22118	hypo	sig	chr14_103225226
chr18	46560524	46560524	+	1.188E-13	1.3316E-12	-0.23225	hypo	sig	chr18_46560524
chr2	74516545	74516545	+	1.189E-13	1.3321E-12	0.267261	hyper	sig	chr2_74516545
chr19	37548729	37548729	+	1.189E-13	1.3322E-12	0.297883	hyper	sig	chr19_37548729
chr7	55309357	55309357	+	1.189E-13	1.3322E-12	-0.21189	hypo	sig	chr7_55309357

chr2	73291572	73291572	+	1.19E-13	1.3338E-12	0.223953	hyper	sig	chr2_73291572
chr7	1.5E+08	149821939	+	1.19E-13	1.334E-12	-0.25506	hypo	sig	chr7_149821939
chr22	18111411	18111411	+	1.192E-13	1.3357E-12	0.357087	hyper	sig	chr22_18111411
chr12	4562499	4562499	+	1.192E-13	1.336E-12	0.204026	hyper	sig	chr12_4562499
chr12	1.25E+08	124921330	+	1.192E-13	1.336E-12	-0.3098	hypo	sig	chr12_124921330
chr1	2797418	2797418	+	1.192E-13	1.3362E-12	0.226584	hyper	sig	chr1_2797418
chr19	55087952	55087952	+	1.194E-13	1.3384E-12	0.217358	hyper	sig	chr19_55087952
chr4	7285997	7285997	+	1.195E-13	1.3389E-12	0.263553	hyper	sig	chr4_7285997
chr20	21702216	21702216	+	1.195E-13	1.3393E-12	0.244578	hyper	sig	chr20_21702216
chr5	1.41E+08	141326623	+	1.195E-13	1.3393E-12	0.225789	hyper	sig	chr5_141326623
chr5	37837855	37837855	+	1.196E-13	1.3399E-12	0.2595	hyper	sig	chr5_37837855
chr15	41894242	41894242	+	1.196E-13	1.3399E-12	-0.21575	hypo	sig	chr15_41894242
chr2	24926224	24926224	+	1.196E-13	1.34E-12	-0.20899	hypo	sig	chr2_24926224
chr19	49058320	49058320	+	1.197E-13	1.341E-12	0.360554	hyper	sig	chr19_49058320
chr6	98847594	98847594	+	1.197E-13	1.341E-12	0.267809	hyper	sig	chr6_98847594
chr10	97713185	97713185	+	1.198E-13	1.3416E-12	0.257481	hyper	sig	chr10_97713185
chr16	1026960	1026960	+	1.198E-13	1.3422E-12	-0.3175	hypo	sig	chr16_1026960
chr5	1.41E+08	141389546	+	1.198E-13	1.3422E-12	0.251615	hyper	sig	chr5_141389546
chr12	80717111	80717111	+	1.199E-13	1.3433E-12	0.265132	hyper	sig	chr12_80717111
chr8	27480668	27480668	+	1.2E-13	1.3442E-12	0.244555	hyper	sig	chr8_27480668
chr12	9943303	9943303	+	1.201E-13	1.3448E-12	0.220347	hyper	sig	chr12_9943303
chr7	1.01E+08	100866494	+	1.201E-13	1.3456E-12	-0.2659	hypo	sig	chr7_100866494
chr8	1.44E+08	143599237	+	1.202E-13	1.3459E-12	0.306299	hyper	sig	chr8_143599237
chr6	10421275	10421275	+	1.202E-13	1.3462E-12	0.201997	hyper	sig	chr6_10421275
chr2	1.24E+08	124024604	+	1.202E-13	1.3466E-12	0.22109	hyper	sig	chr2_124024604
chr17	45430618	45430618	+	1.203E-13	1.3477E-12	0.222367	hyper	sig	chr17_45430618
chr12	1.3E+08	130042458	+	1.203E-13	1.348E-12	0.230208	hyper	sig	chr12_130042458
chr2	1E+08	100391756	+	1.204E-13	1.3482E-12	-0.20314	hypo	sig	chr2_100391756
chr16	982309	982309	+	1.204E-13	1.3483E-12	0.214384	hyper	sig	chr16_982309
chr12	24951818	24951818	+	1.206E-13	1.3502E-12	-0.2463	hypo	sig	chr12_24951818
chr5	1.34E+08	134114061	+	1.206E-13	1.3505E-12	0.250254	hyper	sig	chr5_134114061
chr7	1.55E+08	155465735	+	1.207E-13	1.3514E-12	0.271614	hyper	sig	chr7_155465735
chr3	1.47E+08	147413337	+	1.207E-13	1.3521E-12	0.230463	hyper	sig	chr3_147413337
chr2	61889562	61889562	+	1.208E-13	1.3532E-12	-0.32565	hypo	sig	chr2_61889562
chr16	66988525	66988525	+	1.209E-13	1.3539E-12	-0.20756	hypo	sig	chr16_66988525
chr12	53951360	53951360	+	1.209E-13	1.3544E-12	0.239636	hyper	sig	chr12_53951360
chr17	80198402	80198402	+	1.209E-13	1.3544E-12	0.242525	hyper	sig	chr17_80198402
chr1	1.77E+08	177171499	+	1.21E-13	1.3549E-12	0.269357	hyper	sig	chr1_177171499
chr1	16070386	16070386	+	1.211E-13	1.356E-12	-0.258	hypo	sig	chr1_16070386
chr5	1.8E+08	180090177	+	1.211E-13	1.3561E-12	0.333859	hyper	sig	chr5_180090177
chr13	1.13E+08	113051624	+	1.211E-13	1.3563E-12	0.231027	hyper	sig	chr13_113051624
chr11	31803618	31803618	+	1.212E-13	1.3567E-12	0.201126	hyper	sig	chr11_31803618
chr8	1.45E+08	144762504	+	1.212E-13	1.3567E-12	0.252974	hyper	sig	chr8_144762504
chr16	87140875	87140875	+	1.212E-13	1.3568E-12	0.242677	hyper	sig	chr16_87140875
chr12	81759497	81759497	+	1.212E-13	1.3575E-12	0.213233	hyper	sig	chr12_81759497
chr20	51023461	51023461	+	1.213E-13	1.3579E-12	0.29826	hyper	sig	chr20_51023461
chr10	1E+08	100065298	+	1.213E-13	1.3581E-12	0.229596	hyper	sig	chr10_100065298
chr5	392892	392892	+	1.214E-13	1.3592E-12	-0.26785	hypo	sig	chr5_392892
chr5	1.72E+08	172443864	+	1.215E-13	1.3601E-12	0.227232	hyper	sig	chr5_172443864
chr2	1.08E+08	107986471	+	1.215E-13	1.3603E-12	0.347608	hyper	sig	chr2_107986471
chr14	24171861	24171861	+	1.215E-13	1.3606E-12	0.254035	hyper	sig	chr14_24171861
chr5	1.35E+08	135327222	+	1.215E-13	1.3606E-12	0.20999	hyper	sig	chr5_135327222
chr6	13860430	13860430	+	1.215E-13	1.3607E-12	0.317558	hyper	sig	chr6_13860430
chr10	1.17E+08	117132152	+	1.216E-13	1.361E-12	0.250356	hyper	sig	chr10_117132152
chr17	80823192	80823192	+	1.217E-13	1.3619E-12	-0.27284	hypo	sig	chr17_80823192
chr11	1.18E+08	117796157	+	1.217E-13	1.3622E-12	0.234358	hyper	sig	chr11_117796157

chr13	1.12E+08	111622485	+	1.217E-13	1.3624E-12	-0.26637	hypo	sig	chr13_111622485
chr13	40922076	40922076	+	1.217E-13	1.3625E-12	-0.25111	hypo	sig	chr13_40922076
chr3	13933013	13933013	+	1.218E-13	1.3637E-12	0.253889	hyper	sig	chr3_13933013
chr5	2755044	2755044	+	1.219E-13	1.364E-12	0.272857	hyper	sig	chr5_2755044
chr2	96116239	96116239	+	1.219E-13	1.3641E-12	0.29342	hyper	sig	chr2_96116239
chr8	1333530	1333530	+	1.219E-13	1.3642E-12	-0.22736	hypo	sig	chr8_1333530
chr13	1.12E+08	112344532	+	1.219E-13	1.3648E-12	-0.22151	hypo	sig	chr13_112344532
chr3	1.57E+08	157130369	+	1.22E-13	1.365E-12	-0.21699	hypo	sig	chr3_157130369
chr16	1288449	1288449	+	1.22E-13	1.3651E-12	-0.21416	hypo	sig	chr16_1288449
chr12	45611359	45611359	+	1.22E-13	1.3653E-12	0.309889	hyper	sig	chr12_45611359
chr20	21104317	21104317	+	1.22E-13	1.3658E-12	0.249529	hyper	sig	chr20_21104317
chr15	63475155	63475155	+	1.221E-13	1.3662E-12	-0.24701	hypo	sig	chr15_63475155
chr5	1.41E+08	141339679	+	1.222E-13	1.3672E-12	0.231275	hyper	sig	chr5_141339679
chr16	85222817	85222817	+	1.223E-13	1.3686E-12	-0.21109	hypo	sig	chr16_85222817
chr11	17547342	17547342	+	1.224E-13	1.37E-12	0.239561	hyper	sig	chr11_17547342
chr6	31115506	31115506	+	1.224E-13	1.3701E-12	-0.32096	hypo	sig	chr6_31115506
chr6	1.69E+08	168838053	+	1.225E-13	1.3704E-12	-0.20274	hypo	sig	chr6_168838053
chr14	56811389	56811389	+	1.225E-13	1.3705E-12	0.252679	hyper	sig	chr14_56811389
chr7	1.2E+08	120275157	+	1.225E-13	1.3705E-12	-0.22261	hypo	sig	chr7_120275157
chr16	3029839	3029839	+	1.225E-13	1.3707E-12	0.264131	hyper	sig	chr16_3029839
chr7	45564700	45564700	+	1.225E-13	1.371E-12	0.258566	hyper	sig	chr7_45564700
chr13	40922663	40922663	+	1.225E-13	1.3712E-12	-0.26497	hypo	sig	chr13_40922663
chr3	37994569	37994569	+	1.225E-13	1.3712E-12	0.256774	hyper	sig	chr3_37994569
chr5	56954	56954	+	1.226E-13	1.3721E-12	-0.24574	hypo	sig	chr5_56954
chr6	44472571	44472571	+	1.226E-13	1.3722E-12	-0.28383	hypo	sig	chr6_44472571
chr16	89383714	89383714	+	1.227E-13	1.373E-12	-0.23223	hypo	sig	chr16_89383714
chr22	39456819	39456819	+	1.228E-13	1.3739E-12	0.3163	hyper	sig	chr22_39456819
chr6	42178153	42178153	+	1.228E-13	1.3739E-12	0.281143	hyper	sig	chr6_42178153
chr2	88453156	88453156	+	1.228E-13	1.3739E-12	0.211034	hyper	sig	chr2_88453156
chr11	69703073	69703073	+	1.229E-13	1.375E-12	0.205363	hyper	sig	chr11_69703073
chr15	28832501	28832501	+	1.229E-13	1.3754E-12	0.201284	hyper	sig	chr15_28832501
chr7	1.55E+08	155462382	+	1.232E-13	1.3781E-12	0.350747	hyper	sig	chr7_155462382
chr11	1086861	1086861	+	1.232E-13	1.3785E-12	-0.24581	hypo	sig	chr11_1086861
chr6	26597907	26597907	+	1.232E-13	1.3786E-12	0.235303	hyper	sig	chr6_26597907
chr2	1.13E+08	112647101	+	1.233E-13	1.3796E-12	-0.25928	hypo	sig	chr2_112647101
chr1	1.81E+08	181413711	+	1.234E-13	1.3803E-12	-0.2294	hypo	sig	chr1_181413711
chr5	1.29E+08	128537825	+	1.234E-13	1.3808E-12	0.264226	hyper	sig	chr5_128537825
chr2	2.4E+08	239728846	+	1.236E-13	1.3824E-12	-0.22581	hypo	sig	chr2_239728846
chr7	1.29E+08	128841213	+	1.237E-13	1.3833E-12	-0.34441	hypo	sig	chr7_128841213
chr5	1.35E+08	135466842	+	1.237E-13	1.3837E-12	0.297211	hyper	sig	chr5_135466842
chr16	19716125	19716125	+	1.237E-13	1.3839E-12	-0.24716	hypo	sig	chr16_19716125
chr9	1.24E+08	124477004	+	1.237E-13	1.3839E-12	-0.35674	hypo	sig	chr9_124477004
chr6	1.63E+08	163148394	+	1.237E-13	1.3839E-12	-0.22683	hypo	sig	chr6_163148394
chr15	66786552	66786552	+	1.238E-13	1.3848E-12	-0.20613	hypo	sig	chr15_66786552
chr6	1.66E+08	165819576	+	1.239E-13	1.3856E-12	0.220833	hyper	sig	chr6_165819576
chr12	1.04E+08	104457546	+	1.24E-13	1.3866E-12	0.201135	hyper	sig	chr12_104457546
chr19	47457552	47457552	+	1.24E-13	1.3868E-12	-0.21581	hypo	sig	chr19_47457552
chr16	88328592	88328592	+	1.24E-13	1.3873E-12	-0.22731	hypo	sig	chr16_88328592
chr1	10674684	10674684	+	1.241E-13	1.3877E-12	0.294038	hyper	sig	chr1_10674684
chr2	1.05E+08	104857992	+	1.243E-13	1.3903E-12	0.289279	hyper	sig	chr2_104857992
chr12	54079647	54079647	+	1.244E-13	1.3915E-12	0.252735	hyper	sig	chr12_54079647
chr15	98661683	98661683	+	1.245E-13	1.3925E-12	0.264414	hyper	sig	chr15_98661683
chr6	1.6E+08	159820524	+	1.245E-13	1.3926E-12	-0.25926	hypo	sig	chr6_159820524
chr17	81727585	81727585	+	1.245E-13	1.3926E-12	-0.25161	hypo	sig	chr17_81727585
chr20	56625854	56625854	+	1.246E-13	1.3934E-12	0.286128	hyper	sig	chr20_56625854
chr19	53908318	53908318	+	1.246E-13	1.3936E-12	0.22099	hyper	sig	chr19_53908318

chr20	63274001	63274001	+	1.247E-13	1.3938E-12	-0.22832	hypo	sig	chr20_63274001
chr6	32096517	32096517	+	1.247E-13	1.3944E-12	0.223083	hyper	sig	chr6_32096517
chr12	53936096	53936096	+	1.247E-13	1.3945E-12	0.30151	hyper	sig	chr12_53936096
chr12	1.23E+08	122716769	+	1.248E-13	1.3952E-12	-0.26158	hypo	sig	chr12_122716769
chr8	1.41E+08	140558596	+	1.25E-13	1.3973E-12	-0.21459	hypo	sig	chr8_140558596
chr5	77639240	77639240	+	1.25E-13	1.3976E-12	0.261885	hyper	sig	chr5_77639240
chr19	18233058	18233058	+	1.251E-13	1.3981E-12	0.292252	hyper	sig	chr19_18233058
chr21	36694714	36694714	+	1.251E-13	1.3987E-12	0.310732	hyper	sig	chr21_36694714
chr18	75125563	75125563	+	1.251E-13	1.3989E-12	0.253042	hyper	sig	chr18_75125563
chr2	2.32E+08	232487182	+	1.252E-13	1.3995E-12	0.206314	hyper	sig	chr2_232487182
chr8	1.42E+08	141724039	+	1.252E-13	1.4001E-12	0.274195	hyper	sig	chr8_141724039
chr6	5994238	5994238	+	1.253E-13	1.4007E-12	0.266577	hyper	sig	chr6_5994238
chr4	41751117	41751117	+	1.253E-13	1.4007E-12	0.260084	hyper	sig	chr4_41751117
chr17	45982936	45982936	+	1.254E-13	1.4022E-12	-0.2066	hypo	sig	chr17_45982936
chr6	466960	466960	+	1.255E-13	1.4033E-12	-0.2778	hypo	sig	chr6_466960
chr14	1.06E+08	105527436	+	1.256E-13	1.4035E-12	0.227789	hyper	sig	chr14_105527436
chr17	1575979	1575979	+	1.256E-13	1.4036E-12	-0.35171	hypo	sig	chr17_1575979
chr3	14823266	14823266	+	1.256E-13	1.4036E-12	-0.23224	hypo	sig	chr3_14823266
chr8	1.43E+08	143261745	+	1.256E-13	1.4038E-12	-0.31301	hypo	sig	chr8_143261745
chr13	1.14E+08	113548376	+	1.257E-13	1.4049E-12	0.204519	hyper	sig	chr13_113548376
chr16	3180798	3180798	+	1.258E-13	1.4066E-12	0.297223	hyper	sig	chr16_3180798
chr19	7880077	7880077	+	1.26E-13	1.4081E-12	-0.29724	hypo	sig	chr19_7880077
chr5	88659965	88659965	+	1.261E-13	1.4088E-12	0.247449	hyper	sig	chr5_88659965
chr6	30076225	30076225	+	1.261E-13	1.4093E-12	-0.25049	hypo	sig	chr6_30076225
chr7	1.5E+08	150220231	+	1.261E-13	1.4097E-12	0.287871	hyper	sig	chr7_150220231
chr1	2342181	2342181	+	1.262E-13	1.4103E-12	-0.24184	hypo	sig	chr1_2342181
chr16	88186431	88186431	+	1.262E-13	1.4108E-12	0.286803	hyper	sig	chr16_88186431
chr10	38635681	38635681	+	1.263E-13	1.411E-12	-0.24497	hypo	sig	chr10_38635681
chr8	64370432	64370432	+	1.263E-13	1.411E-12	0.378706	hyper	sig	chr8_64370432
chr4	48907022	48907022	+	1.263E-13	1.4112E-12	-0.23913	hypo	sig	chr4_48907022
chr11	33656055	33656055	+	1.263E-13	1.4113E-12	-0.23932	hypo	sig	chr11_33656055
chr19	2513482	2513482	+	1.263E-13	1.4115E-12	-0.21498	hypo	sig	chr19_2513482
chr19	45783217	45783217	+	1.263E-13	1.4116E-12	0.299159	hyper	sig	chr19_45783217
chr6	32642006	32642006	+	1.264E-13	1.4124E-12	-0.2813	hypo	sig	chr6_32642006
chr16	56190747	56190747	+	1.264E-13	1.4127E-12	0.241007	hyper	sig	chr16_56190747
chr5	1.41E+08	141201223	+	1.265E-13	1.413E-12	0.308197	hyper	sig	chr5_141201223
chr9	1.3E+08	129608934	+	1.265E-13	1.4133E-12	-0.29123	hypo	sig	chr9_129608934
chr3	15098171	15098171	+	1.265E-13	1.4138E-12	-0.29431	hypo	sig	chr3_15098171
chr8	1.4E+08	139703532	+	1.266E-13	1.415E-12	0.307611	hyper	sig	chr8_139703532
chr1	1.48E+08	148317662	+	1.267E-13	1.4156E-12	0.292933	hyper	sig	chr1_148317662
chr19	44905840	44905840	+	1.267E-13	1.416E-12	0.201071	hyper	sig	chr19_44905840
chr6	32058573	32058573	+	1.268E-13	1.4165E-12	-0.22679	hypo	sig	chr6_32058573
chr6	10384860	10384860	+	1.268E-13	1.4167E-12	0.325462	hyper	sig	chr6_10384860
chr17	78232228	78232228	+	1.268E-13	1.4169E-12	0.287031	hyper	sig	chr17_78232228
chr19	15224102	15224102	+	1.268E-13	1.417E-12	0.280616	hyper	sig	chr19_15224102
chr20	25084745	25084745	+	1.268E-13	1.4171E-12	0.272948	hyper	sig	chr20_25084745
chr7	1.56E+08	156466470	+	1.268E-13	1.4171E-12	0.288421	hyper	sig	chr7_156466470
chr7	56175896	56175896	+	1.269E-13	1.418E-12	0.332068	hyper	sig	chr7_56175896
chr16	1107280	1107280	+	1.269E-13	1.418E-12	-0.24623	hypo	sig	chr16_1107280
chr1	2962266	2962266	+	1.27E-13	1.4189E-12	-0.28566	hypo	sig	chr1_2962266
chr7	1224480	1224480	+	1.27E-13	1.419E-12	0.312299	hyper	sig	chr7_1224480
chr19	46079182	46079182	+	1.271E-13	1.4197E-12	0.264525	hyper	sig	chr19_46079182
chr13	1.12E+08	112376462	+	1.272E-13	1.4209E-12	-0.22779	hypo	sig	chr13_112376462
chr3	1.7E+08	169660070	+	1.273E-13	1.4214E-12	0.212018	hyper	sig	chr3_169660070
chr2	1.15E+08	115162415	+	1.273E-13	1.4216E-12	0.219955	hyper	sig	chr2_115162415
chr10	1.17E+08	117133663	+	1.274E-13	1.4226E-12	0.237806	hyper	sig	chr10_117133663

chr7	1.51E+08	151410700	+	1.274E-13	1.4226E-12	0.241058	hyper	sig	chr7_151410700
chr14	28775009	28775009	+	1.274E-13	1.4229E-12	0.277083	hyper	sig	chr14_28775009
chr9	1.19E+08	119369865	+	1.274E-13	1.4231E-12	0.285115	hyper	sig	chr9_119369865
chr20	44750293	44750293	+	1.274E-13	1.4232E-12	0.26073	hyper	sig	chr20_44750293
chr2	86809825	86809825	+	1.275E-13	1.4235E-12	0.303881	hyper	sig	chr2_86809825
chr7	1.36E+08	135728510	+	1.275E-13	1.424E-12	-0.241	hypo	sig	chr7_135728510
chr9	1.3E+08	130200678	+	1.277E-13	1.4257E-12	0.281055	hyper	sig	chr9_130200678
chr19	1399167	1399167	+	1.277E-13	1.4265E-12	-0.23653	hypo	sig	chr19_1399167
chr5	1.29E+08	128537870	+	1.277E-13	1.4266E-12	0.25173	hyper	sig	chr5_128537870
chr1	1.84E+08	184036851	+	1.28E-13	1.429E-12	0.221215	hyper	sig	chr1_184036851
chr17	81453256	81453256	+	1.28E-13	1.4293E-12	-0.20279	hypo	sig	chr17_81453256
chr11	19346167	19346167	+	1.28E-13	1.4295E-12	0.248764	hyper	sig	chr11_19346167
chr14	76134417	76134417	+	1.28E-13	1.4298E-12	-0.23173	hypo	sig	chr14_76134417
chr14	91415153	91415153	+	1.281E-13	1.4299E-12	-0.20626	hypo	sig	chr14_91415153
chr6	1.08E+08	108176777	+	1.281E-13	1.4301E-12	0.266627	hyper	sig	chr6_108176777
chr11	18791141	18791141	+	1.281E-13	1.4305E-12	0.29675	hyper	sig	chr11_18791141
chr6	10389962	10389962	+	1.282E-13	1.4309E-12	0.362556	hyper	sig	chr6_10389962
chr21	33269238	33269238	+	1.282E-13	1.4313E-12	-0.2288	hypo	sig	chr21_33269238
chr6	30986870	30986870	+	1.282E-13	1.4315E-12	-0.27185	hypo	sig	chr6_30986870
chr2	1.15E+08	115161119	+	1.282E-13	1.4315E-12	0.214291	hyper	sig	chr2_115161119
chr17	45583510	45583510	+	1.282E-13	1.4318E-12	-0.20309	hypo	sig	chr17_45583510
chr14	85531133	85531133	+	1.283E-13	1.432E-12	0.238107	hyper	sig	chr14_85531133
chr16	67249335	67249335	+	1.283E-13	1.4322E-12	0.226711	hyper	sig	chr16_67249335
chr2	1.82E+08	181683282	+	1.283E-13	1.4324E-12	0.217306	hyper	sig	chr2_181683282
chr8	52414175	52414175	+	1.283E-13	1.4327E-12	0.276902	hyper	sig	chr8_52414175
chr1	38134516	38134516	+	1.285E-13	1.4342E-12	0.207952	hyper	sig	chr1_38134516
chr2	1.92E+08	192193477	+	1.285E-13	1.4345E-12	0.259141	hyper	sig	chr2_192193477
chr14	36663649	36663649	+	1.285E-13	1.4346E-12	0.278025	hyper	sig	chr14_36663649
chr3	1.39E+08	138939788	+	1.285E-13	1.435E-12	0.234443	hyper	sig	chr3_138939788
chr1	6345612	6345612	+	1.286E-13	1.4353E-12	-0.21315	hypo	sig	chr1_6345612
chr9	26936449	26936449	+	1.286E-13	1.4359E-12	-0.20322	hypo	sig	chr9_26936449
chr11	68331347	68331347	+	1.286E-13	1.4359E-12	-0.31139	hypo	sig	chr11_68331347
chr17	7295402	7295402	+	1.287E-13	1.4364E-12	-0.23647	hypo	sig	chr17_7295402
chr1	18840061	18840061	+	1.287E-13	1.4364E-12	-0.20667	hypo	sig	chr1_18840061
chr7	8434991	8434991	+	1.287E-13	1.4366E-12	0.310561	hyper	sig	chr7_8434991
chr16	268827	268827	+	1.288E-13	1.4378E-12	-0.24577	hypo	sig	chr16_268827
chr1	1.48E+08	148329581	+	1.288E-13	1.438E-12	0.234862	hyper	sig	chr1_148329581
chr14	97219561	97219561	+	1.288E-13	1.4383E-12	0.201501	hyper	sig	chr14_97219561
chr17	39599855	39599855	+	1.289E-13	1.4394E-12	0.210974	hyper	sig	chr17_39599855
chr19	1177583	1177583	+	1.29E-13	1.4395E-12	-0.25387	hypo	sig	chr19_1177583
chr2	64993117	64993117	+	1.29E-13	1.4395E-12	-0.34308	hypo	sig	chr2_64993117
chr13	19564888	19564888	+	1.29E-13	1.4396E-12	0.214148	hyper	sig	chr13_19564888
chr5	1.41E+08	141174182	+	1.29E-13	1.4402E-12	0.214263	hyper	sig	chr5_141174182
chr16	88088129	88088129	+	1.29E-13	1.4402E-12	-0.23365	hypo	sig	chr16_88088129
chr11	70587175	70587175	+	1.291E-13	1.4405E-12	-0.22899	hypo	sig	chr11_70587175
chr19	36776113	36776113	+	1.291E-13	1.4405E-12	0.313261	hyper	sig	chr19_36776113
chr5	71719101	71719101	+	1.291E-13	1.4405E-12	0.252225	hyper	sig	chr5_71719101
chr8	47763531	47763531	+	1.291E-13	1.4411E-12	0.237852	hyper	sig	chr8_47763531
chr7	1.58E+08	158239804	+	1.291E-13	1.4411E-12	-0.21989	hypo	sig	chr7_158239804
chr14	37602574	37602574	+	1.292E-13	1.4418E-12	0.336917	hyper	sig	chr14_37602574
chr16	88416795	88416795	+	1.292E-13	1.4418E-12	-0.26859	hypo	sig	chr16_88416795
chr6	28988676	28988676	+	1.292E-13	1.442E-12	0.200637	hyper	sig	chr6_28988676
chr10	1.29E+08	129034004	+	1.292E-13	1.4421E-12	-0.22548	hypo	sig	chr10_129034004
chr3	196528	196528	+	1.292E-13	1.4421E-12	0.257963	hyper	sig	chr3_196528
chr1	50426589	50426589	+	1.292E-13	1.4421E-12	0.22901	hyper	sig	chr1_50426589
chr3	1.82E+08	181710510	+	1.294E-13	1.4441E-12	0.277533	hyper	sig	chr3_181710510

chr3	1.41E+08	141052998	+	1.295E-13	1.4452E-12	0.221143	hyper	sig	chr3_141052998
chr12	1.31E+08	130934183	+	1.296E-13	1.4466E-12	-0.2474	hypo	sig	chr12_130934183
chr13	1.13E+08	112842472	+	1.296E-13	1.4466E-12	0.291217	hyper	sig	chr13_112842472
chr2	43123356	43123356	+	1.296E-13	1.4466E-12	0.212308	hyper	sig	chr2_43123356
chr8	747395	747395	+	1.296E-13	1.4467E-12	0.223267	hyper	sig	chr8_747395
chr19	36421868	36421868	+	1.298E-13	1.4482E-12	0.22199	hyper	sig	chr19_36421868
chr1	45622814	45622814	+	1.298E-13	1.4485E-12	0.226668	hyper	sig	chr1_45622814
chr16	88938640	88938640	+	1.299E-13	1.4489E-12	-0.21339	hypo	sig	chr16_88938640
chr3	28576755	28576755	+	1.299E-13	1.4492E-12	0.207029	hyper	sig	chr3_28576755
chr7	1.51E+08	150972974	+	1.299E-13	1.4493E-12	0.24772	hyper	sig	chr7_150972974
chr12	1.17E+08	116882511	+	1.3E-13	1.4508E-12	0.231942	hyper	sig	chr12_116882511
chr12	1.31E+08	131057505	+	1.3E-13	1.4509E-12	-0.25534	hypo	sig	chr12_131057505
chr16	87604926	87604926	+	1.301E-13	1.451E-12	-0.25849	hypo	sig	chr16_87604926
chr5	1.41E+08	141428016	+	1.301E-13	1.4517E-12	0.264221	hyper	sig	chr5_141428016
chr16	89063225	89063225	+	1.302E-13	1.452E-12	-0.22373	hypo	sig	chr16_89063225
chr8	1.42E+08	141643854	+	1.302E-13	1.4525E-12	-0.21899	hypo	sig	chr8_141643854
chr5	1.77E+08	177366959	+	1.303E-13	1.4534E-12	0.256268	hyper	sig	chr5_177366959
chr5	506177	506177	+	1.303E-13	1.454E-12	-0.25579	hypo	sig	chr5_506177
chr19	1005317	1005317	+	1.304E-13	1.4542E-12	-0.2228	hypo	sig	chr19_1005317
chr17	74114256	74114256	+	1.304E-13	1.4545E-12	0.311182	hyper	sig	chr17_74114256
chr14	24171882	24171882	+	1.304E-13	1.4546E-12	0.217998	hyper	sig	chr14_24171882
chr5	1.41E+08	140875810	+	1.304E-13	1.4546E-12	0.258221	hyper	sig	chr5_140875810
chr16	49277611	49277611	+	1.305E-13	1.4557E-12	0.268768	hyper	sig	chr16_49277611
chr2	642346	642346	+	1.306E-13	1.4566E-12	-0.32752	hypo	sig	chr2_642346
chr2	11670471	11670471	+	1.306E-13	1.4568E-12	-0.21143	hypo	sig	chr2_11670471
chr20	64062162	64062162	+	1.307E-13	1.4579E-12	-0.2695	hypo	sig	chr20_64062162
chr11	2825813	2825813	+	1.307E-13	1.4583E-12	0.244738	hyper	sig	chr11_2825813
chr2	2.18E+08	218368930	+	1.31E-13	1.4615E-12	0.233783	hyper	sig	chr2_218368930
chr12	46524260	46524260	+	1.31E-13	1.4615E-12	-0.23848	hypo	sig	chr12_46524260
chr2	2.42E+08	241552591	+	1.312E-13	1.4631E-12	-0.24765	hypo	sig	chr2_241552591
chr1	23790521	23790521	+	1.313E-13	1.4642E-12	-0.2342	hypo	sig	chr1_23790521
chr20	61866826	61866826	+	1.314E-13	1.465E-12	-0.22013	hypo	sig	chr20_61866826
chr10	1.32E+08	132445315	+	1.314E-13	1.4651E-12	-0.23409	hypo	sig	chr10_132445315
chr17	46850937	46850937	+	1.315E-13	1.4668E-12	0.270828	hyper	sig	chr17_46850937
chr8	1.45E+08	144710739	+	1.316E-13	1.4671E-12	-0.32176	hypo	sig	chr8_144710739
chr2	85578445	85578445	+	1.316E-13	1.4671E-12	-0.29284	hypo	sig	chr2_85578445
chr6	1.61E+08	160764610	+	1.316E-13	1.4679E-12	-0.20749	hypo	sig	chr6_160764610
chr12	1.3E+08	130017928	+	1.317E-13	1.4686E-12	0.212064	hyper	sig	chr12_130017928
chr20	3707667	3707667	+	1.318E-13	1.4692E-12	-0.20648	hypo	sig	chr20_3707667
chr11	430018	430018	+	1.318E-13	1.4695E-12	0.220461	hyper	sig	chr11_430018
chr3	39150717	39150717	+	1.318E-13	1.4695E-12	0.243114	hyper	sig	chr3_39150717
chr16	12901154	12901154	+	1.319E-13	1.4703E-12	0.221823	hyper	sig	chr16_12901154
chr16	909869	909869	+	1.32E-13	1.4713E-12	-0.23792	hypo	sig	chr16_909869
chr5	63961174	63961174	+	1.32E-13	1.4714E-12	0.300787	hyper	sig	chr5_63961174
chr9	1.37E+08	136658723	+	1.321E-13	1.4728E-12	-0.33964	hypo	sig	chr9_136658723
chr17	82715777	82715777	+	1.321E-13	1.4731E-12	-0.22731	hypo	sig	chr17_82715777
chr12	1.31E+08	130678977	+	1.321E-13	1.4731E-12	-0.2436	hypo	sig	chr12_130678977
chr2	17874507	17874507	+	1.322E-13	1.4737E-12	-0.23852	hypo	sig	chr2_17874507
chr12	57736573	57736573	+	1.322E-13	1.4739E-12	0.249603	hyper	sig	chr12_57736573
chr11	1460606	1460606	+	1.323E-13	1.4747E-12	0.289988	hyper	sig	chr11_1460606
chr4	6727469	6727469	+	1.324E-13	1.4756E-12	0.218212	hyper	sig	chr4_6727469
chr13	1.11E+08	111326736	+	1.324E-13	1.476E-12	-0.26055	hypo	sig	chr13_111326736
chr2	86858258	86858258	+	1.324E-13	1.4763E-12	-0.22507	hypo	sig	chr2_86858258
chr4	73998601	73998601	+	1.324E-13	1.4764E-12	0.226365	hyper	sig	chr4_73998601
chr13	27976063	27976063	+	1.325E-13	1.4766E-12	0.266366	hyper	sig	chr13_27976063
chr10	58327054	58327054	+	1.326E-13	1.4781E-12	0.254851	hyper	sig	chr10_58327054

chr11	32427704	32427704	+	1.327E-13	1.4795E-12	0.225115	hyper	sig	chr11_32427704
chr10	42368054	42368054	+	1.329E-13	1.4814E-12	0.277729	hyper	sig	chr10_42368054
chr3	1.95E+08	195035599	+	1.329E-13	1.4814E-12	0.279675	hyper	sig	chr3_195035599
chr20	34559737	34559737	+	1.329E-13	1.4815E-12	0.234018	hyper	sig	chr20_34559737
chr16	89343778	89343778	+	1.329E-13	1.4817E-12	-0.24456	hypo	sig	chr16_89343778
chr13	20391891	20391891	+	1.33E-13	1.4821E-12	-0.31337	hypo	sig	chr13_20391891
chr16	1911633	1911633	+	1.33E-13	1.4826E-12	-0.266	hypo	sig	chr16_1911633
chr16	1195610	1195610	+	1.331E-13	1.4833E-12	-0.34503	hypo	sig	chr16_1195610
chr6	1.59E+08	158826089	+	1.331E-13	1.4833E-12	0.219529	hyper	sig	chr6_158826089
chr1	47995220	47995220	+	1.331E-13	1.4837E-12	-0.23575	hypo	sig	chr1_47995220
chr10	1.33E+08	132979650	+	1.332E-13	1.4842E-12	-0.22772	hypo	sig	chr10_132979650
chr12	7639942	7639942	+	1.334E-13	1.4866E-12	0.224141	hyper	sig	chr12_7639942
chr14	1.05E+08	104514491	+	1.334E-13	1.4868E-12	-0.22362	hypo	sig	chr14_104514491
chr14	1.04E+08	104422687	+	1.335E-13	1.4873E-12	0.263046	hyper	sig	chr14_104422687
chr10	1.34E+08	133529763	+	1.337E-13	1.4903E-12	0.281244	hyper	sig	chr10_133529763
chr22	50061003	50061003	+	1.339E-13	1.4925E-12	-0.27704	hypo	sig	chr22_50061003
chr19	18650569	18650569	+	1.34E-13	1.4933E-12	0.257647	hyper	sig	chr19_18650569
chr3	1.34E+08	134406970	+	1.34E-13	1.4936E-12	0.21168	hyper	sig	chr3_134406970
chr1	920092	920092	+	1.341E-13	1.4937E-12	-0.22232	hypo	sig	chr1_920092
chr3	1.07E+08	107429528	+	1.341E-13	1.494E-12	0.230072	hyper	sig	chr3_107429528
chr6	44249770	44249770	+	1.341E-13	1.4941E-12	-0.22735	hypo	sig	chr6_44249770
chr5	1.36E+08	135581968	+	1.341E-13	1.4942E-12	-0.20674	hypo	sig	chr5_135581968
chr11	27719360	27719360	+	1.341E-13	1.4945E-12	0.22289	hyper	sig	chr11_27719360
chr15	64776383	64776383	+	1.342E-13	1.4952E-12	0.21598	hyper	sig	chr15_64776383
chr4	1.85E+08	185021138	+	1.342E-13	1.4952E-12	0.236136	hyper	sig	chr4_185021138
chr12	6962549	6962549	+	1.343E-13	1.4958E-12	-0.23544	hypo	sig	chr12_6962549
chr4	1.72E+08	171814773	+	1.344E-13	1.4969E-12	0.24359	hyper	sig	chr4_171814773
chr16	427144	427144	+	1.344E-13	1.4976E-12	0.228116	hyper	sig	chr16_427144
chr10	1.32E+08	132280867	+	1.344E-13	1.4976E-12	-0.22757	hypo	sig	chr10_132280867
chr6	31574682	31574682	+	1.345E-13	1.4981E-12	-0.2652	hypo	sig	chr6_31574682
chr7	1.55E+08	155373824	+	1.345E-13	1.4987E-12	0.23156	hyper	sig	chr7_155373824
chr7	1.22E+08	122316490	+	1.346E-13	1.4999E-12	0.232398	hyper	sig	chr7_122316490
chr15	74138849	74138849	+	1.348E-13	1.5012E-12	-0.21849	hypo	sig	chr15_74138849
chr5	1.4E+08	139701315	+	1.348E-13	1.5017E-12	-0.21736	hypo	sig	chr5_139701315
chr13	67230256	67230256	+	1.351E-13	1.5049E-12	0.206838	hyper	sig	chr13_67230256
chr14	91416924	91416924	+	1.351E-13	1.5051E-12	-0.20097	hypo	sig	chr14_91416924
chr13	26759750	26759750	+	1.352E-13	1.5058E-12	0.287433	hyper	sig	chr13_26759750
chr5	73301234	73301234	+	1.353E-13	1.5074E-12	0.235873	hyper	sig	chr5_73301234
chr5	1.51E+08	150661341	+	1.354E-13	1.5083E-12	-0.20426	hypo	sig	chr5_150661341
chr2	1795730	1795730	+	1.354E-13	1.5086E-12	-0.23127	hypo	sig	chr2_1795730
chr6	39927863	39927863	+	1.355E-13	1.509E-12	-0.25888	hypo	sig	chr6_39927863
chr2	28495797	28495797	+	1.355E-13	1.5094E-12	-0.21631	hypo	sig	chr2_28495797
chr9	1.27E+08	126520361	+	1.356E-13	1.5098E-12	0.232589	hyper	sig	chr9_126520361
chr19	53058734	53058734	+	1.356E-13	1.5106E-12	0.265361	hyper	sig	chr19_53058734
chr20	47973704	47973704	+	1.358E-13	1.5121E-12	-0.28803	hypo	sig	chr20_47973704
chr11	85934688	85934688	+	1.358E-13	1.5128E-12	0.299723	hyper	sig	chr11_85934688
chr19	58368513	58368513	+	1.359E-13	1.5139E-12	0.247329	hyper	sig	chr19_58368513
chr22	50000047	50000047	+	1.36E-13	1.5141E-12	0.207658	hyper	sig	chr22_50000047
chr12	1.07E+08	106581418	+	1.361E-13	1.5152E-12	0.224458	hyper	sig	chr12_106581418
chr18	23137766	23137766	+	1.361E-13	1.5153E-12	-0.30151	hypo	sig	chr18_23137766
chr6	33414780	33414780	+	1.361E-13	1.5154E-12	0.273397	hyper	sig	chr6_33414780
chr14	69850455	69850455	+	1.362E-13	1.5161E-12	-0.29124	hypo	sig	chr14_69850455
chr18	9707777	9707777	+	1.362E-13	1.5162E-12	0.221019	hyper	sig	chr18_9707777
chr7	64037841	64037841	+	1.362E-13	1.5165E-12	0.201054	hyper	sig	chr7_64037841
chr11	65592978	65592978	+	1.363E-13	1.5175E-12	0.201383	hyper	sig	chr11_65592978
chr9	1.37E+08	136994725	+	1.363E-13	1.5175E-12	0.268124	hyper	sig	chr9_136994725

chr1	45623290	45623290	+	1.365E-13	1.5194E-12	0.286392	hyper	sig	chr1_45623290
chr6	29627317	29627317	+	1.365E-13	1.5197E-12	0.302812	hyper	sig	chr6_29627317
chr5	1003015	1003015	+	1.365E-13	1.5202E-12	-0.22995	hypo	sig	chr5_1003015
chr12	41189934	41189934	+	1.366E-13	1.5211E-12	0.20867	hyper	sig	chr12_41189934
chr5	1.41E+08	141402982	+	1.368E-13	1.5225E-12	0.254501	hyper	sig	chr5_141402982
chr12	24902690	24902690	+	1.368E-13	1.5225E-12	0.294637	hyper	sig	chr12_24902690
chr11	1.17E+08	116584872	+	1.368E-13	1.5228E-12	-0.2113	hypo	sig	chr11_116584872
chr20	1313457	1313457	+	1.369E-13	1.5235E-12	0.385415	hyper	sig	chr20_1313457
chr20	40683379	40683379	+	1.369E-13	1.5236E-12	0.214876	hyper	sig	chr20_40683379
chr15	82648660	82648660	+	1.369E-13	1.5239E-12	0.274638	hyper	sig	chr15_82648660
chr1	1.65E+08	165355279	+	1.369E-13	1.5243E-12	0.300463	hyper	sig	chr1_165355279
chr9	1.25E+08	124777782	+	1.369E-13	1.5244E-12	0.260657	hyper	sig	chr9_124777782
chr12	53492437	53492437	+	1.37E-13	1.5251E-12	0.289498	hyper	sig	chr12_53492437
chr9	1.31E+08	130839952	+	1.371E-13	1.5259E-12	0.307639	hyper	sig	chr9_130839952
chr7	1.5E+08	150335489	+	1.372E-13	1.5271E-12	0.279848	hyper	sig	chr7_150335489
chr10	86263372	86263372	+	1.373E-13	1.528E-12	0.240852	hyper	sig	chr10_86263372
chr7	1.03E+08	103143580	+	1.373E-13	1.5282E-12	-0.21676	hypo	sig	chr7_103143580
chr2	2.4E+08	240351186	+	1.374E-13	1.5291E-12	0.244374	hyper	sig	chr2_240351186
chr9	975079	975079	+	1.375E-13	1.5304E-12	0.255056	hyper	sig	chr9_975079
chr12	6056517	6056517	+	1.376E-13	1.531E-12	-0.20421	hypo	sig	chr12_6056517
chr5	38434288	38434288	+	1.376E-13	1.5318E-12	-0.20036	hypo	sig	chr5_38434288
chr7	97007505	97007505	+	1.376E-13	1.5319E-12	0.27685	hyper	sig	chr7_97007505
chr13	1.14E+08	114048784	+	1.376E-13	1.5319E-12	-0.29821	hypo	sig	chr13_114048784
chr17	47852734	47852734	+	1.378E-13	1.5331E-12	0.205797	hyper	sig	chr17_47852734
chr4	386729	386729	+	1.379E-13	1.5345E-12	0.241014	hyper	sig	chr4_386729
chr6	30127401	30127401	+	1.379E-13	1.5348E-12	0.247022	hyper	sig	chr6_30127401
chr2	2.02E+08	201619186	+	1.379E-13	1.5348E-12	0.264233	hyper	sig	chr2_201619186
chr2	2.4E+08	240144447	+	1.379E-13	1.5351E-12	-0.26352	hypo	sig	chr2_240144447
chr2	9318918	9318918	+	1.381E-13	1.5368E-12	0.283874	hyper	sig	chr2_9318918
chr1	1.48E+08	148317685	+	1.382E-13	1.5374E-12	0.288769	hyper	sig	chr1_148317685
chr6	1.59E+08	158819722	+	1.383E-13	1.5384E-12	-0.21468	hypo	sig	chr6_158819722
chr9	1.37E+08	136821334	+	1.383E-13	1.5385E-12	0.27478	hyper	sig	chr9_136821334
chr21	32586101	32586101	+	1.383E-13	1.5394E-12	-0.28921	hypo	sig	chr21_32586101
chr19	9498419	9498419	+	1.384E-13	1.5396E-12	0.299617	hyper	sig	chr19_9498419
chr1	8848770	8848770	+	1.385E-13	1.5413E-12	0.215572	hyper	sig	chr1_8848770
chr12	49961582	49961582	+	1.386E-13	1.5419E-12	0.228677	hyper	sig	chr12_49961582
chr17	42072377	42072377	+	1.387E-13	1.543E-12	0.218883	hyper	sig	chr17_42072377
chr12	1.07E+08	106586798	+	1.387E-13	1.5434E-12	0.20506	hyper	sig	chr12_106586798
chr16	89668742	89668742	+	1.387E-13	1.5434E-12	-0.25516	hypo	sig	chr16_89668742
chr19	346278	346278	+	1.387E-13	1.5435E-12	-0.23308	hypo	sig	chr19_346278
chr13	1.13E+08	112994384	+	1.388E-13	1.5437E-12	-0.29162	hypo	sig	chr13_112994384
chr16	85534640	85534640	+	1.391E-13	1.5473E-12	0.201883	hyper	sig	chr16_85534640
chr2	95025297	95025297	+	1.392E-13	1.5488E-12	0.276778	hyper	sig	chr2_95025297
chr2	388446	388446	+	1.394E-13	1.5502E-12	-0.25375	hypo	sig	chr2_388446
chr2	1.28E+08	127664710	+	1.394E-13	1.5511E-12	0.243601	hyper	sig	chr2_127664710
chr2	55924019	55924019	+	1.395E-13	1.5515E-12	0.207056	hyper	sig	chr2_55924019
chr11	628628	628628	+	1.395E-13	1.5517E-12	-0.22142	hypo	sig	chr11_628628
chr12	1.33E+08	132847700	+	1.395E-13	1.5519E-12	0.207033	hyper	sig	chr12_132847700
chr7	50401373	50401373	+	1.396E-13	1.5531E-12	-0.2629	hypo	sig	chr7_50401373
chr10	8057077	8057077	+	1.397E-13	1.5534E-12	-0.27735	hypo	sig	chr10_8057077
chr6	1.68E+08	168411913	+	1.397E-13	1.5538E-12	-0.20417	hypo	sig	chr6_168411913
chr11	1.18E+08	117794999	+	1.398E-13	1.5548E-12	-0.2408	hypo	sig	chr11_117794999
chr7	37916250	37916250	+	1.398E-13	1.5551E-12	0.219403	hyper	sig	chr7_37916250
chr11	2121640	2121640	+	1.398E-13	1.5551E-12	-0.31126	hypo	sig	chr11_2121640
chr4	1.25E+08	125316865	+	1.399E-13	1.5561E-12	0.203322	hyper	sig	chr4_125316865
chr6	1.05E+08	104940321	+	1.399E-13	1.5561E-12	0.269056	hyper	sig	chr6_104940321

chr17	82967055	82967055	+	1.399E-13	1.5561E-12	-0.22735	hypo	sig	chr17_82967055
chr12	95549296	95549296	+	1.4E-13	1.5567E-12	0.251972	hyper	sig	chr12_95549296
chr7	1243209	1243209	+	1.402E-13	1.5589E-12	0.338792	hyper	sig	chr7_1243209
chr3	1.96E+08	195804756	+	1.403E-13	1.5597E-12	-0.2202	hypo	sig	chr3_195804756
chr18	44744638	44744638	+	1.403E-13	1.5599E-12	0.272222	hyper	sig	chr18_44744638
chr22	20364401	20364401	+	1.404E-13	1.5617E-12	-0.2371	hypo	sig	chr22_20364401
chr4	65668500	65668500	+	1.405E-13	1.562E-12	0.21977	hyper	sig	chr4_65668500
chr6	99993504	99993504	+	1.405E-13	1.5624E-12	0.240125	hyper	sig	chr6_99993504
chr1	1.1E+08	109764065	+	1.406E-13	1.5629E-12	-0.2214	hypo	sig	chr1_109764065
chr7	1.55E+08	155452117	+	1.406E-13	1.5633E-12	0.283384	hyper	sig	chr7_155452117
chr11	20596877	20596877	+	1.406E-13	1.5633E-12	0.281214	hyper	sig	chr11_20596877
chr17	7916907	7916907	+	1.407E-13	1.564E-12	0.221123	hyper	sig	chr17_7916907
chr16	31330208	31330208	+	1.407E-13	1.5643E-12	0.272692	hyper	sig	chr16_31330208
chr3	47479305	47479305	+	1.408E-13	1.5648E-12	-0.22002	hypo	sig	chr3_47479305
chr2	1.42E+08	142130537	+	1.408E-13	1.565E-12	0.238671	hyper	sig	chr2_142130537
chr6	10425451	10425451	+	1.41E-13	1.567E-12	0.216144	hyper	sig	chr6_10425451
chr1	9043179	9043179	+	1.411E-13	1.5684E-12	-0.22291	hypo	sig	chr1_9043179
chr2	66071083	66071083	+	1.411E-13	1.5684E-12	0.249056	hyper	sig	chr2_66071083
chr1	2.3E+08	229570468	+	1.411E-13	1.5688E-12	-0.28142	hypo	sig	chr1_229570468
chr6	1.34E+08	133889674	+	1.412E-13	1.5696E-12	0.29541	hyper	sig	chr6_133889674
chr6	32096384	32096384	+	1.412E-13	1.5698E-12	0.216948	hyper	sig	chr6_32096384
chr14	36508560	36508560	+	1.412E-13	1.57E-12	0.236491	hyper	sig	chr14_36508560
chr12	49961556	49961556	+	1.412E-13	1.57E-12	0.237313	hyper	sig	chr12_49961556
chr14	73745049	73745049	+	1.413E-13	1.571E-12	-0.22447	hypo	sig	chr14_73745049
chr1	1.48E+08	148309779	+	1.414E-13	1.5712E-12	0.218348	hyper	sig	chr1_148309779
chr12	85280747	85280747	+	1.414E-13	1.5714E-12	0.200056	hyper	sig	chr12_85280747
chr6	1.7E+08	170423141	+	1.415E-13	1.573E-12	0.239411	hyper	sig	chr6_170423141
chr19	56507280	56507280	+	1.416E-13	1.5737E-12	0.255438	hyper	sig	chr19_56507280
chr8	71843333	71843333	+	1.417E-13	1.5746E-12	0.213137	hyper	sig	chr8_71843333
chr5	1.41E+08	141350876	+	1.417E-13	1.5749E-12	0.284827	hyper	sig	chr5_141350876
chr19	851671	851671	+	1.418E-13	1.5756E-12	-0.22529	hypo	sig	chr19_851671
chr4	1.6E+08	159869104	+	1.418E-13	1.5758E-12	-0.30506	hypo	sig	chr4_159869104
chr17	50781450	50781450	+	1.418E-13	1.5758E-12	0.2415	hyper	sig	chr17_50781450
chr17	74671148	74671148	+	1.418E-13	1.5759E-12	0.265247	hyper	sig	chr17_74671148
chr16	28059196	28059196	+	1.42E-13	1.5777E-12	-0.27788	hypo	sig	chr16_28059196
chr3	13932789	13932789	+	1.421E-13	1.5787E-12	0.209707	hyper	sig	chr3_13932789
chr19	50722635	50722635	+	1.421E-13	1.5789E-12	0.222897	hyper	sig	chr19_50722635
chr17	79132541	79132541	+	1.422E-13	1.58E-12	-0.25449	hypo	sig	chr17_79132541
chr4	1.25E+08	125316831	+	1.422E-13	1.58E-12	0.202127	hyper	sig	chr4_125316831
chr5	77638504	77638504	+	1.422E-13	1.5804E-12	0.284412	hyper	sig	chr5_77638504
chr1	18857381	18857381	+	1.423E-13	1.581E-12	-0.28724	hypo	sig	chr1_18857381
chr4	13537284	13537284	+	1.423E-13	1.5811E-12	-0.25691	hypo	sig	chr4_13537284
chr10	1.01E+08	101237575	+	1.423E-13	1.5812E-12	0.206301	hyper	sig	chr10_101237575
chr6	1.59E+08	159171486	+	1.424E-13	1.5817E-12	-0.24373	hypo	sig	chr6_159171486
chr16	930315	930315	+	1.426E-13	1.5842E-12	-0.25358	hypo	sig	chr16_930315
chr15	99110054	99110054	+	1.426E-13	1.5845E-12	0.305799	hyper	sig	chr15_99110054
chr13	1.12E+08	112106565	+	1.426E-13	1.5846E-12	0.256362	hyper	sig	chr13_112106565
chr12	1.17E+08	116879993	+	1.427E-13	1.585E-12	0.204033	hyper	sig	chr12_116879993
chr1	3031131	3031131	+	1.427E-13	1.5853E-12	-0.26372	hypo	sig	chr1_3031131
chr1	16535167	16535167	+	1.427E-13	1.5855E-12	0.204838	hyper	sig	chr1_16535167
chr3	1.28E+08	128076485	+	1.428E-13	1.5859E-12	0.208883	hyper	sig	chr3_128076485
chr1	1034340	1034340	+	1.429E-13	1.5871E-12	0.256067	hyper	sig	chr1_1034340
chr21	40841747	40841747	+	1.429E-13	1.5878E-12	0.22121	hyper	sig	chr21_40841747
chr12	1.14E+08	114408640	+	1.431E-13	1.5891E-12	0.251534	hyper	sig	chr12_114408640
chr2	2.38E+08	238149495	+	1.431E-13	1.5899E-12	-0.2873	hypo	sig	chr2_238149495
chr7	1080312	1080312	+	1.432E-13	1.5905E-12	0.23035	hyper	sig	chr7_1080312

chr10	93069333	93069333	+	1.433E-13	1.5918E-12	0.219893	hyper	sig	chr10_93069333
chr4	1.77E+08	176792242	+	1.434E-13	1.5924E-12	0.247521	hyper	sig	chr4_176792242
chr5	1727231	1727231	+	1.434E-13	1.5928E-12	-0.23167	hypo	sig	chr5_1727231
chr7	226375	226375	+	1.434E-13	1.5929E-12	-0.33253	hypo	sig	chr7_226375
chr5	1.41E+08	141408302	+	1.436E-13	1.595E-12	0.273631	hyper	sig	chr5_141408302
chr16	71426297	71426297	+	1.438E-13	1.5965E-12	0.278188	hyper	sig	chr16_71426297
chr5	1.59E+08	159105476	+	1.439E-13	1.5982E-12	0.261332	hyper	sig	chr5_159105476
chr2	45004643	45004643	+	1.439E-13	1.5983E-12	0.230265	hyper	sig	chr2_45004643
chr20	29326337	29326337	+	1.441E-13	1.5997E-12	-0.24128	hypo	sig	chr20_29326337
chr19	690619	690619	+	1.441E-13	1.6007E-12	-0.23515	hypo	sig	chr19_690619
chr7	1421302	1421302	+	1.441E-13	1.6007E-12	-0.20785	hypo	sig	chr7_1421302
chr2	70901071	70901071	+	1.442E-13	1.6011E-12	0.229417	hyper	sig	chr2_70901071
chr7	1.04E+08	103990308	+	1.442E-13	1.6018E-12	0.266618	hyper	sig	chr7_103990308
chr8	1.43E+08	142555319	+	1.443E-13	1.6023E-12	-0.22786	hypo	sig	chr8_142555319
chr1	2445914	2445914	+	1.443E-13	1.6023E-12	-0.26328	hypo	sig	chr1_2445914
chr20	63123753	63123753	+	1.443E-13	1.6023E-12	-0.27478	hypo	sig	chr20_63123753
chr15	33311722	33311722	+	1.443E-13	1.6028E-12	0.232601	hyper	sig	chr15_33311722
chr2	2.34E+08	233759176	+	1.444E-13	1.6029E-12	-0.2045	hypo	sig	chr2_233759176
chr20	58515315	58515315	+	1.444E-13	1.6032E-12	0.282466	hyper	sig	chr20_58515315
chr14	1.03E+08	102923889	+	1.444E-13	1.6034E-12	0.245363	hyper	sig	chr14_102923889
chr7	1.51E+08	151019228	+	1.444E-13	1.6037E-12	0.288507	hyper	sig	chr7_151019228
chr5	10376516	10376516	+	1.445E-13	1.6045E-12	-0.22378	hypo	sig	chr5_10376516
chr19	58041266	58041266	+	1.446E-13	1.6055E-12	-0.22246	hypo	sig	chr19_58041266
chr5	1.41E+08	141385181	+	1.447E-13	1.6062E-12	0.254361	hyper	sig	chr5_141385181
chr19	5799363	5799363	+	1.447E-13	1.6063E-12	-0.24504	hypo	sig	chr19_5799363
chr7	1.44E+08	143885408	+	1.448E-13	1.6073E-12	0.253897	hyper	sig	chr7_143885408
chr19	3163753	3163753	+	1.449E-13	1.6086E-12	0.248996	hyper	sig	chr19_3163753
chr19	30451216	30451216	+	1.449E-13	1.6086E-12	0.269408	hyper	sig	chr19_30451216
chr2	1.28E+08	127631560	+	1.451E-13	1.6106E-12	0.242143	hyper	sig	chr2_127631560
chr3	1.43E+08	143121212	+	1.451E-13	1.6108E-12	0.24067	hyper	sig	chr3_143121212
chr8	1.43E+08	143215136	+	1.451E-13	1.6112E-12	-0.2514	hypo	sig	chr8_143215136
chr16	3938887	3938887	+	1.453E-13	1.613E-12	0.233998	hyper	sig	chr16_3938887
chr9	95086203	95086203	+	1.453E-13	1.6131E-12	0.253899	hyper	sig	chr9_95086203
chr17	49994465	49994465	+	1.453E-13	1.6133E-12	0.288987	hyper	sig	chr17_49994465
chr6	77650230	77650230	+	1.454E-13	1.614E-12	0.263473	hyper	sig	chr6_77650230
chr19	54164455	54164455	+	1.455E-13	1.6153E-12	0.253786	hyper	sig	chr19_54164455
chr1	2.33E+08	232986044	+	1.457E-13	1.6169E-12	0.261605	hyper	sig	chr1_232986044
chr16	1040166	1040166	+	1.458E-13	1.6186E-12	-0.28682	hypo	sig	chr16_1040166
chr22	43996538	43996538	+	1.459E-13	1.6191E-12	-0.22906	hypo	sig	chr22_43996538
chr15	99059789	99059789	+	1.459E-13	1.6193E-12	0.231555	hyper	sig	chr15_99059789
chr2	70767828	70767828	+	1.459E-13	1.6196E-12	0.204537	hyper	sig	chr2_70767828
chr1	1.57E+08	156845770	+	1.459E-13	1.6197E-12	0.249866	hyper	sig	chr1_156845770
chr19	12513899	12513899	+	1.46E-13	1.6203E-12	0.253117	hyper	sig	chr19_12513899
chr11	20605245	20605245	+	1.461E-13	1.6216E-12	0.252933	hyper	sig	chr11_20605245
chr2	2689082	2689082	+	1.462E-13	1.6227E-12	-0.2201	hypo	sig	chr2_2689082
chr3	1.88E+08	187669767	+	1.464E-13	1.6245E-12	0.203405	hyper	sig	chr3_187669767
chr4	1.39E+08	139280385	+	1.466E-13	1.6266E-12	0.246493	hyper	sig	chr4_139280385
chr10	1732682	1732682	+	1.467E-13	1.6277E-12	-0.33217	hypo	sig	chr10_1732682
chr17	80002824	80002824	+	1.467E-13	1.6283E-12	-0.26668	hypo	sig	chr17_80002824
chr11	31799707	31799707	+	1.468E-13	1.6285E-12	0.358004	hyper	sig	chr11_31799707
chr7	1.3E+08	130493269	+	1.468E-13	1.6286E-12	0.242658	hyper	sig	chr7_130493269
chr11	1.18E+08	117796163	+	1.468E-13	1.6289E-12	0.244361	hyper	sig	chr11_117796163
chr19	3179356	3179356	+	1.469E-13	1.6303E-12	-0.23172	hypo	sig	chr19_3179356
chr6	1.7E+08	170265772	+	1.47E-13	1.6311E-12	-0.22049	hypo	sig	chr6_170265772
chr18	57352498	57352498	+	1.47E-13	1.6314E-12	0.270857	hyper	sig	chr18_57352498
chr1	1.2E+08	119896425	+	1.47E-13	1.6315E-12	0.254357	hyper	sig	chr1_119896425

chr8	1.4E+08	140100161	+	1.471E-13	1.6316E-12	0.202199	hyper	sig	chr8_140100161
chr19	21463723	21463723	+	1.471E-13	1.6319E-12	0.257977	hyper	sig	chr19_21463723
chr7	56366485	56366485	+	1.473E-13	1.6346E-12	-0.25274	hypo	sig	chr7_56366485
chr12	1.19E+08	118981315	+	1.474E-13	1.6349E-12	0.290162	hyper	sig	chr12_118981315
chr16	1218586	1218586	+	1.474E-13	1.6349E-12	-0.26963	hypo	sig	chr16_1218586
chr6	26017804	26017804	+	1.475E-13	1.636E-12	0.212867	hyper	sig	chr6_26017804
chr8	67952288	67952288	+	1.476E-13	1.6375E-12	0.344544	hyper	sig	chr8_67952288
chr11	22432796	22432796	+	1.477E-13	1.6386E-12	0.304785	hyper	sig	chr11_22432796
chr2	1.28E+08	127664766	+	1.478E-13	1.639E-12	0.243573	hyper	sig	chr2_127664766
chr7	1.4E+08	140435819	+	1.478E-13	1.639E-12	0.243532	hyper	sig	chr7_140435819
chr2	2.39E+08	239110037	+	1.478E-13	1.6395E-12	0.210188	hyper	sig	chr2_239110037
chr18	26134120	26134120	+	1.48E-13	1.6416E-12	-0.23647	hypo	sig	chr18_26134120
chr19	56403365	56403365	+	1.481E-13	1.6424E-12	0.266093	hyper	sig	chr19_56403365
chr6	1.08E+08	108166231	+	1.481E-13	1.6426E-12	0.353116	hyper	sig	chr6_108166231
chr2	1.09E+08	109132537	+	1.485E-13	1.6467E-12	-0.20579	hypo	sig	chr2_109132537
chr19	34905271	34905271	+	1.486E-13	1.6484E-12	0.284196	hyper	sig	chr19_34905271
chr11	72244574	72244574	+	1.487E-13	1.6491E-12	0.218827	hyper	sig	chr11_72244574
chr12	1.32E+08	132271758	+	1.487E-13	1.6492E-12	-0.25985	hypo	sig	chr12_132271758
chr10	15719534	15719534	+	1.488E-13	1.6498E-12	0.254409	hyper	sig	chr10_15719534
chr19	58098043	58098043	+	1.488E-13	1.6499E-12	0.28296	hyper	sig	chr19_58098043
chr20	21521631	21521631	+	1.488E-13	1.6501E-12	0.241877	hyper	sig	chr20_21521631
chr10	1.03E+08	103479385	+	1.489E-13	1.6514E-12	-0.28426	hypo	sig	chr10_103479385
chr2	74415376	74415376	+	1.49E-13	1.6519E-12	0.273098	hyper	sig	chr2_74415376
chr3	1.25E+08	125141769	+	1.49E-13	1.6521E-12	0.325074	hyper	sig	chr3_125141769
chr20	61965464	61965464	+	1.491E-13	1.6534E-12	0.319562	hyper	sig	chr20_61965464
chr2	1.81E+08	181457056	+	1.491E-13	1.6538E-12	0.207556	hyper	sig	chr2_181457056
chr2	44944698	44944698	+	1.494E-13	1.6567E-12	0.291657	hyper	sig	chr2_44944698
chr13	35699353	35699353	+	1.495E-13	1.6577E-12	0.243373	hyper	sig	chr13_35699353
chr6	1.08E+08	108165874	+	1.496E-13	1.6587E-12	0.226048	hyper	sig	chr6_108165874
chr10	618822	618822	+	1.496E-13	1.6591E-12	0.239618	hyper	sig	chr10_618822
chr16	1175205	1175205	+	1.496E-13	1.6591E-12	-0.24836	hypo	sig	chr16_1175205
chr8	25001399	25001399	+	1.498E-13	1.6609E-12	0.212517	hyper	sig	chr8_25001399
chr14	60511392	60511392	+	1.498E-13	1.6611E-12	0.213901	hyper	sig	chr14_60511392
chr17	82931817	82931817	+	1.499E-13	1.6614E-12	0.265267	hyper	sig	chr17_82931817
chr7	1.3E+08	130486875	+	1.501E-13	1.6637E-12	-0.2297	hypo	sig	chr7_130486875
chr1	24535382	24535382	+	1.502E-13	1.6648E-12	-0.20843	hypo	sig	chr1_24535382
chr19	1005304	1005304	+	1.502E-13	1.6655E-12	-0.21493	hypo	sig	chr19_1005304
chr2	2.42E+08	241843356	+	1.503E-13	1.6659E-12	-0.25366	hypo	sig	chr2_241843356
chr4	1.37E+08	136810970	+	1.503E-13	1.6662E-12	-0.23523	hypo	sig	chr4_136810970
chr6	36837608	36837608	+	1.504E-13	1.6677E-12	-0.20522	hypo	sig	chr6_36837608
chr6	1.1E+08	109978699	+	1.505E-13	1.668E-12	0.213223	hyper	sig	chr6_109978699
chr2	2.39E+08	239230780	+	1.506E-13	1.6692E-12	-0.20157	hypo	sig	chr2_239230780
chr17	80859565	80859565	+	1.506E-13	1.6695E-12	0.326434	hyper	sig	chr17_80859565
chr17	77543839	77543839	+	1.506E-13	1.6696E-12	-0.26808	hypo	sig	chr17_77543839
chr12	52233626	52233626	+	1.506E-13	1.6698E-12	0.273834	hyper	sig	chr12_52233626
chr2	70887659	70887659	+	1.507E-13	1.6701E-12	0.229879	hyper	sig	chr2_70887659
chr5	1193527	1193527	+	1.508E-13	1.671E-12	-0.32139	hypo	sig	chr5_1193527
chr1	1.78E+08	178486971	+	1.508E-13	1.6713E-12	0.303115	hyper	sig	chr1_178486971
chr11	31799685	31799685	+	1.509E-13	1.6723E-12	0.414406	hyper	sig	chr11_31799685
chr18	44744631	44744631	+	1.511E-13	1.6745E-12	0.27451	hyper	sig	chr18_44744631
chr11	351162	351162	+	1.511E-13	1.675E-12	-0.27535	hypo	sig	chr11_351162
chr7	97732150	97732150	+	1.512E-13	1.6756E-12	0.237011	hyper	sig	chr7_97732150
chr8	51404957	51404957	+	1.512E-13	1.676E-12	-0.20603	hypo	sig	chr8_51404957
chr11	94740325	94740325	+	1.512E-13	1.6762E-12	0.246909	hyper	sig	chr11_94740325
chr2	1.19E+08	118842418	+	1.513E-13	1.6764E-12	0.285394	hyper	sig	chr2_118842418
chr5	3599572	3599572	+	1.513E-13	1.6767E-12	0.284487	hyper	sig	chr5_3599572

chr16	87227784	87227784	+	1.515E-13	1.6789E-12	0.366631	hyper	sig	chr16_87227784
chr3	1.23E+08	123447913	+	1.516E-13	1.68E-12	0.254103	hyper	sig	chr3_123447913
chr18	58449784	58449784	+	1.516E-13	1.68E-12	-0.20527	hypo	sig	chr18_58449784
chr16	55327670	55327670	+	1.517E-13	1.6806E-12	0.223347	hyper	sig	chr16_55327670
chr5	1.8E+08	180090149	+	1.517E-13	1.6815E-12	0.280661	hyper	sig	chr5_180090149
chr7	1.44E+08	143511568	+	1.519E-13	1.6828E-12	0.325731	hyper	sig	chr7_143511568
chr14	60507275	60507275	+	1.519E-13	1.6835E-12	0.292031	hyper	sig	chr14_60507275
chr12	57727699	57727699	+	1.52E-13	1.6841E-12	0.362695	hyper	sig	chr12_57727699
chr2	98346636	98346636	+	1.52E-13	1.6841E-12	0.248079	hyper	sig	chr2_98346636
chr12	1.23E+08	123075932	+	1.52E-13	1.6843E-12	0.217375	hyper	sig	chr12_123075932
chr17	74235234	74235234	+	1.521E-13	1.6856E-12	-0.20717	hypo	sig	chr17_74235234
chr20	5000421	5000421	+	1.521E-13	1.6857E-12	0.200678	hyper	sig	chr20_5000421
chr20	25059637	25059637	+	1.522E-13	1.686E-12	0.243867	hyper	sig	chr20_25059637
chr4	1.54E+08	153789644	+	1.522E-13	1.6863E-12	0.230374	hyper	sig	chr4_153789644
chr7	97732082	97732082	+	1.522E-13	1.6866E-12	0.221926	hyper	sig	chr7_97732082
chr10	1.17E+08	117138525	+	1.523E-13	1.687E-12	0.256879	hyper	sig	chr10_117138525
chr12	6555419	6555419	+	1.523E-13	1.6872E-12	0.258842	hyper	sig	chr12_6555419
chr7	2567162	2567162	+	1.523E-13	1.6873E-12	0.235316	hyper	sig	chr7_2567162
chr2	1.31E+08	130964792	+	1.523E-13	1.6877E-12	0.265997	hyper	sig	chr2_130964792
chr12	51269544	51269544	+	1.524E-13	1.6884E-12	-0.2607	hypo	sig	chr12_51269544
chr7	28958602	28958602	+	1.524E-13	1.6886E-12	0.239072	hyper	sig	chr7_28958602
chr5	1.71E+08	171313933	+	1.525E-13	1.6893E-12	0.228288	hyper	sig	chr5_171313933
chr2	61889607	61889607	+	1.525E-13	1.6894E-12	-0.31751	hypo	sig	chr2_61889607
chr7	1.55E+08	155465744	+	1.525E-13	1.6894E-12	0.281726	hyper	sig	chr7_155465744
chr19	11387312	11387312	+	1.525E-13	1.6898E-12	-0.23298	hypo	sig	chr19_11387312
chr12	1.23E+08	123269688	+	1.526E-13	1.6903E-12	0.300159	hyper	sig	chr12_123269688
chr16	1027125	1027125	+	1.527E-13	1.6912E-12	-0.28787	hypo	sig	chr16_1027125
chr16	85845473	85845473	+	1.527E-13	1.6917E-12	0.231508	hyper	sig	chr16_85845473
chr7	1753298	1753298	+	1.528E-13	1.6919E-12	-0.27159	hypo	sig	chr7_1753298
chr17	82303268	82303268	+	1.528E-13	1.6922E-12	-0.21287	hypo	sig	chr17_82303268
chr20	21705623	21705623	+	1.528E-13	1.6929E-12	0.304367	hyper	sig	chr20_21705623
chr3	32400737	32400737	+	1.529E-13	1.693E-12	-0.24701	hypo	sig	chr3_32400737
chr4	1.74E+08	173524144	+	1.529E-13	1.6936E-12	0.301042	hyper	sig	chr4_173524144
chr10	1.29E+08	128886495	+	1.53E-13	1.6948E-12	-0.24176	hypo	sig	chr10_128886495
chr15	73367544	73367544	+	1.53E-13	1.6949E-12	0.203369	hyper	sig	chr15_73367544
chr3	1.84E+08	184491554	+	1.531E-13	1.6953E-12	0.313793	hyper	sig	chr3_184491554
chr10	1.04E+08	103661668	+	1.531E-13	1.6958E-12	0.326789	hyper	sig	chr10_103661668
chr12	6963542	6963542	+	1.531E-13	1.6958E-12	-0.25367	hypo	sig	chr12_6963542
chr10	1.3E+08	129966144	+	1.532E-13	1.696E-12	0.243478	hyper	sig	chr10_129966144
chr12	30794854	30794854	+	1.532E-13	1.6962E-12	-0.29006	hypo	sig	chr12_30794854
chr2	2.4E+08	239958979	+	1.532E-13	1.6966E-12	0.201527	hyper	sig	chr2_239958979
chr17	50768452	50768452	+	1.533E-13	1.6973E-12	-0.24858	hypo	sig	chr17_50768452
chr19	17981977	17981977	+	1.534E-13	1.6985E-12	-0.20094	hypo	sig	chr19_17981977
chr12	53938369	53938369	+	1.535E-13	1.6993E-12	0.27514	hyper	sig	chr12_53938369
chr7	1.08E+08	107843408	+	1.535E-13	1.6996E-12	-0.24164	hypo	sig	chr7_107843408
chr3	1.94E+08	194277213	+	1.536E-13	1.7003E-12	0.23539	hyper	sig	chr3_194277213
chr10	44865511	44865511	+	1.538E-13	1.7025E-12	-0.26003	hypo	sig	chr10_44865511
chr1	53506330	53506330	+	1.538E-13	1.7028E-12	-0.26631	hypo	sig	chr1_53506330
chr11	69948734	69948734	+	1.538E-13	1.7029E-12	-0.23282	hypo	sig	chr11_69948734
chr16	88316245	88316245	+	1.539E-13	1.7035E-12	-0.22036	hypo	sig	chr16_88316245
chr7	43445485	43445485	+	1.539E-13	1.7044E-12	-0.25526	hypo	sig	chr7_43445485
chr9	1.37E+08	137199089	+	1.54E-13	1.7045E-12	-0.22563	hypo	sig	chr9_137199089
chr11	1918353	1918353	+	1.54E-13	1.7054E-12	-0.28821	hypo	sig	chr11_1918353
chr10	7409808	7409808	+	1.543E-13	1.7076E-12	0.215091	hyper	sig	chr10_7409808
chr16	66579466	66579466	+	1.543E-13	1.7081E-12	0.246292	hyper	sig	chr16_66579466
chr1	17522223	17522223	+	1.544E-13	1.7093E-12	-0.23349	hypo	sig	chr1_17522223

chr15	37097163	37097163	+	1.544E-13	1.7094E-12	0.211088	hyper	sig	chr15_37097163
chr12	1.32E+08	132285524	+	1.545E-13	1.7102E-12	-0.21713	hypo	sig	chr12_132285524
chr10	42475528	42475528	+	1.545E-13	1.7105E-12	0.217662	hyper	sig	chr10_42475528
chr7	1.5E+08	150047462	+	1.546E-13	1.7109E-12	0.275715	hyper	sig	chr7_150047462
chr6	1.13E+08	113222152	+	1.546E-13	1.7109E-12	-0.33072	hypo	sig	chr6_113222152
chr19	1762374	1762374	+	1.546E-13	1.7109E-12	0.244195	hyper	sig	chr19_1762374
chr5	1.38E+08	138257799	+	1.547E-13	1.7121E-12	0.235379	hyper	sig	chr5_138257799
chr5	1.41E+08	141394487	+	1.547E-13	1.7123E-12	0.316844	hyper	sig	chr5_141394487
chr1	1.02E+08	101996468	+	1.548E-13	1.713E-12	0.235629	hyper	sig	chr1_101996468
chr21	36707371	36707371	+	1.548E-13	1.7135E-12	0.253564	hyper	sig	chr21_36707371
chr16	86496433	86496433	+	1.55E-13	1.7149E-12	0.21563	hyper	sig	chr16_86496433
chr19	837466	837466	+	1.55E-13	1.715E-12	-0.26977	hypo	sig	chr19_837466
chr6	70957424	70957424	+	1.55E-13	1.7154E-12	0.240804	hyper	sig	chr6_70957424
chr7	1.27E+08	127346958	+	1.551E-13	1.716E-12	-0.25081	hypo	sig	chr7_127346958
chr16	88375678	88375678	+	1.552E-13	1.7171E-12	-0.20901	hypo	sig	chr16_88375678
chr5	1.77E+08	176887637	+	1.552E-13	1.7178E-12	-0.21316	hypo	sig	chr5_176887637
chr15	73634113	73634113	+	1.553E-13	1.7186E-12	-0.20565	hypo	sig	chr15_73634113
chr13	1.12E+08	112238570	+	1.554E-13	1.7192E-12	-0.25842	hypo	sig	chr13_112238570
chr18	50340245	50340245	+	1.554E-13	1.7196E-12	-0.23838	hypo	sig	chr18_50340245
chr19	35139186	35139186	+	1.555E-13	1.7201E-12	0.350482	hyper	sig	chr19_35139186
chr19	5799368	5799368	+	1.555E-13	1.7211E-12	-0.21067	hypo	sig	chr19_5799368
chr11	364809	364809	+	1.556E-13	1.7214E-12	-0.26322	hypo	sig	chr11_364809
chr2	2.36E+08	235605811	+	1.557E-13	1.7223E-12	0.241141	hyper	sig	chr2_235605811
chr10	1.29E+08	128959105	+	1.557E-13	1.7226E-12	-0.30147	hypo	sig	chr10_128959105
chr4	83113285	83113285	+	1.557E-13	1.723E-12	-0.27031	hypo	sig	chr4_83113285
chr18	59265080	59265080	+	1.558E-13	1.7234E-12	0.267134	hyper	sig	chr18_59265080
chr10	1.3E+08	129883955	+	1.558E-13	1.7239E-12	-0.25756	hypo	sig	chr10_129883955
chr7	56229337	56229337	+	1.56E-13	1.7254E-12	-0.24203	hypo	sig	chr7_56229337
chr18	77087294	77087294	+	1.56E-13	1.7261E-12	0.305735	hyper	sig	chr18_77087294
chr21	44258273	44258273	+	1.562E-13	1.7279E-12	-0.30933	hypo	sig	chr21_44258273
chr2	1.12E+08	112150608	+	1.564E-13	1.7299E-12	0.203401	hyper	sig	chr2_112150608
chr4	1.54E+08	153791457	+	1.565E-13	1.7314E-12	0.239572	hyper	sig	chr4_153791457
chr9	1.29E+08	129438823	+	1.566E-13	1.7325E-12	-0.33703	hypo	sig	chr9_129438823
chr14	1.04E+08	103872523	+	1.567E-13	1.7332E-12	-0.2409	hypo	sig	chr14_103872523
chr7	41967054	41967054	+	1.567E-13	1.7332E-12	-0.2549	hypo	sig	chr7_41967054
chr8	11866368	11866368	+	1.567E-13	1.7332E-12	-0.22426	hypo	sig	chr8_11866368
chr16	89052658	89052658	+	1.568E-13	1.7339E-12	-0.31933	hypo	sig	chr16_89052658
chr15	70036577	70036577	+	1.568E-13	1.7341E-12	-0.25356	hypo	sig	chr15_70036577
chr2	72147132	72147132	+	1.568E-13	1.7341E-12	0.202639	hyper	sig	chr2_72147132
chr1	34783649	34783649	+	1.569E-13	1.7352E-12	-0.27708	hypo	sig	chr1_34783649
chr4	5897139	5897139	+	1.571E-13	1.737E-12	-0.36164	hypo	sig	chr4_5897139
chr5	73436217	73436217	+	1.571E-13	1.7373E-12	0.301072	hyper	sig	chr5_73436217
chr3	49718958	49718958	+	1.571E-13	1.7378E-12	0.285924	hyper	sig	chr3_49718958
chr5	71719145	71719145	+	1.571E-13	1.738E-12	0.327302	hyper	sig	chr5_71719145
chr16	86518589	86518589	+	1.572E-13	1.7383E-12	0.253751	hyper	sig	chr16_86518589
chr2	1.21E+08	120865393	+	1.573E-13	1.7396E-12	-0.24276	hypo	sig	chr2_120865393
chr1	44261263	44261263	+	1.574E-13	1.741E-12	-0.23769	hypo	sig	chr1_44261263
chr6	10099229	10099229	+	1.575E-13	1.7417E-12	-0.24828	hypo	sig	chr6_10099229
chr14	1.01E+08	100569985	+	1.575E-13	1.7417E-12	0.284132	hyper	sig	chr14_100569985
chr7	98618444	98618444	+	1.577E-13	1.7437E-12	0.239049	hyper	sig	chr7_98618444
chr3	14305801	14305801	+	1.577E-13	1.7442E-12	-0.21339	hypo	sig	chr3_14305801
chr5	1.55E+08	154606714	+	1.577E-13	1.7442E-12	-0.21039	hypo	sig	chr5_154606714
chr14	57866388	57866388	+	1.579E-13	1.746E-12	0.317399	hyper	sig	chr14_57866388
chr2	2.38E+08	238064383	+	1.579E-13	1.7463E-12	-0.21779	hypo	sig	chr2_238064383
chr9	83061443	83061443	+	1.58E-13	1.747E-12	-0.21009	hypo	sig	chr9_83061443
chr12	2960710	2960710	+	1.584E-13	1.7515E-12	-0.3179	hypo	sig	chr12_2960710

chr8	1837906	1837906	+	1.585E-13	1.7528E-12	-0.21469	hypo	sig	chr8_1837906
chr7	1.5E+08	150049560	+	1.586E-13	1.753E-12	0.259329	hyper	sig	chr7_150049560
chr7	1.57E+08	156614505	+	1.586E-13	1.7531E-12	-0.23335	hypo	sig	chr7_156614505
chr14	60507143	60507143	+	1.586E-13	1.754E-12	0.271724	hyper	sig	chr14_60507143
chr14	36666399	36666399	+	1.588E-13	1.7554E-12	0.277859	hyper	sig	chr14_36666399
chr11	2826445	2826445	+	1.59E-13	1.7574E-12	0.242358	hyper	sig	chr11_2826445
chr11	45209287	45209287	+	1.59E-13	1.7577E-12	0.24269	hyper	sig	chr11_45209287
chr3	1.7E+08	169822257	+	1.59E-13	1.7577E-12	-0.40169	hypo	sig	chr3_169822257
chr3	14401933	14401933	+	1.591E-13	1.7591E-12	-0.21401	hypo	sig	chr3_14401933
chr9	1.14E+08	114155096	+	1.591E-13	1.7591E-12	0.23017	hyper	sig	chr9_114155096
chr14	1.04E+08	104422740	+	1.591E-13	1.7593E-12	0.235047	hyper	sig	chr14_104422740
chr7	1.58E+08	157832276	+	1.592E-13	1.76E-12	0.203619	hyper	sig	chr7_157832276
chr8	47763493	47763493	+	1.592E-13	1.7602E-12	0.228977	hyper	sig	chr8_47763493
chr4	1.74E+08	173538556	+	1.594E-13	1.7619E-12	0.255659	hyper	sig	chr4_173538556
chr5	1119573	1119573	+	1.594E-13	1.7626E-12	-0.24873	hypo	sig	chr5_1119573
chr6	1.7E+08	169502283	+	1.595E-13	1.7627E-12	-0.20584	hypo	sig	chr6_169502283
chr18	36747535	36747535	+	1.596E-13	1.7638E-12	-0.21438	hypo	sig	chr18_36747535
chr14	32938152	32938152	+	1.598E-13	1.7664E-12	0.209266	hyper	sig	chr14_32938152
chr6	89433897	89433897	+	1.598E-13	1.7664E-12	0.205524	hyper	sig	chr6_89433897
chr5	1.41E+08	141051454	+	1.598E-13	1.7665E-12	0.232025	hyper	sig	chr5_141051454
chr17	7855603	7855603	+	1.604E-13	1.7724E-12	0.277592	hyper	sig	chr17_7855603
chr17	21737264	21737264	+	1.604E-13	1.7726E-12	-0.20952	hypo	sig	chr17_21737264
chr19	54938078	54938078	+	1.604E-13	1.7727E-12	-0.23469	hypo	sig	chr19_54938078
chr1	44261256	44261256	+	1.604E-13	1.7728E-12	-0.24608	hypo	sig	chr1_44261256
chr14	1.01E+08	101062203	+	1.604E-13	1.7731E-12	-0.23137	hypo	sig	chr14_101062203
chr7	2932408	2932408	+	1.605E-13	1.774E-12	-0.36259	hypo	sig	chr7_2932408
chr17	843836	843836	+	1.606E-13	1.7744E-12	-0.22636	hypo	sig	chr17_843836
chr10	1.01E+08	101238324	+	1.606E-13	1.7754E-12	0.256679	hyper	sig	chr10_101238324
chr3	1.33E+08	133038194	+	1.607E-13	1.7756E-12	0.218373	hyper	sig	chr3_133038194
chr12	41189919	41189919	+	1.607E-13	1.7764E-12	0.240286	hyper	sig	chr12_41189919
chr15	23686500	23686500	+	1.607E-13	1.7764E-12	0.30934	hyper	sig	chr15_23686500
chr3	1.84E+08	184491541	+	1.609E-13	1.7782E-12	0.318774	hyper	sig	chr3_184491541
chr12	1.33E+08	132887041	+	1.609E-13	1.7784E-12	0.216054	hyper	sig	chr12_132887041
chr17	45897673	45897673	+	1.61E-13	1.7795E-12	0.20743	hyper	sig	chr17_45897673
chr17	83063886	83063886	+	1.612E-13	1.7808E-12	-0.23855	hypo	sig	chr17_83063886
chr20	21102366	21102366	+	1.612E-13	1.781E-12	0.209889	hyper	sig	chr20_21102366
chr10	1.03E+08	103479433	+	1.612E-13	1.7812E-12	-0.24364	hypo	sig	chr10_103479433
chr6	1.67E+08	166656605	+	1.612E-13	1.7817E-12	-0.24659	hypo	sig	chr6_166656605
chr17	49965648	49965648	+	1.613E-13	1.7821E-12	0.355429	hyper	sig	chr17_49965648
chr13	70108217	70108217	+	1.613E-13	1.7823E-12	0.252388	hyper	sig	chr13_70108217
chr17	34157079	34157079	+	1.614E-13	1.7828E-12	0.228097	hyper	sig	chr17_34157079
chr7	1247950	1247950	+	1.614E-13	1.7829E-12	0.215539	hyper	sig	chr7_1247950
chr1	2.28E+08	228464494	+	1.614E-13	1.783E-12	0.216311	hyper	sig	chr1_228464494
chr14	60511409	60511409	+	1.615E-13	1.7841E-12	0.237984	hyper	sig	chr14_60511409
chr15	96368334	96368334	+	1.616E-13	1.7851E-12	0.315375	hyper	sig	chr15_96368334
chr16	27217342	27217342	+	1.616E-13	1.7857E-12	0.200674	hyper	sig	chr16_27217342
chr11	1304488	1304488	+	1.617E-13	1.7865E-12	-0.24879	hypo	sig	chr11_1304488
chr7	4304790	4304790	+	1.617E-13	1.7865E-12	-0.21464	hypo	sig	chr7_4304790
chr6	1.7E+08	170058725	+	1.618E-13	1.7873E-12	-0.23947	hypo	sig	chr6_170058725
chr6	1.68E+08	168343061	+	1.62E-13	1.79E-12	-0.3014	hypo	sig	chr6_168343061
chr19	48747209	48747209	+	1.622E-13	1.7914E-12	0.238564	hyper	sig	chr19_48747209
chr13	22926647	22926647	+	1.623E-13	1.7924E-12	0.321447	hyper	sig	chr13_22926647
chr8	41308650	41308650	+	1.623E-13	1.7931E-12	0.273478	hyper	sig	chr8_41308650
chr1	2.1E+08	209937855	+	1.624E-13	1.7935E-12	0.251636	hyper	sig	chr1_209937855
chr16	88316176	88316176	+	1.625E-13	1.7947E-12	-0.20148	hypo	sig	chr16_88316176
chr9	1.31E+08	130577897	+	1.625E-13	1.7948E-12	-0.23221	hypo	sig	chr9_130577897

chr17	78257987	78257987	+	1.625E-13	1.7949E-12	-0.38476	hypo	sig	chr17_78257987
chr4	8172428	8172428	+	1.627E-13	1.7971E-12	-0.29799	hypo	sig	chr4_8172428
chr14	70886496	70886496	+	1.631E-13	1.801E-12	-0.24236	hypo	sig	chr14_70886496
chr12	53960718	53960718	+	1.632E-13	1.8023E-12	0.244115	hyper	sig	chr12_53960718
chr5	79070240	79070240	+	1.633E-13	1.8038E-12	0.269169	hyper	sig	chr5_79070240
chr2	691064	691064	+	1.633E-13	1.804E-12	-0.20999	hypo	sig	chr2_691064
chr19	58033792	58033792	+	1.634E-13	1.8043E-12	0.267345	hyper	sig	chr19_58033792
chr7	64192491	64192491	+	1.634E-13	1.8043E-12	-0.20453	hypo	sig	chr7_64192491
chr20	36541059	36541059	+	1.634E-13	1.8048E-12	0.34064	hyper	sig	chr20_36541059
chr5	1.41E+08	141245762	+	1.634E-13	1.8048E-12	0.273464	hyper	sig	chr5_141245762
chr16	87687150	87687150	+	1.635E-13	1.8055E-12	-0.31129	hypo	sig	chr16_87687150
chr11	1.23E+08	122977759	+	1.635E-13	1.806E-12	0.26053	hyper	sig	chr11_122977759
chr17	2924345	2924345	+	1.636E-13	1.8063E-12	0.235292	hyper	sig	chr17_2924345
chr1	1.66E+08	166155581	+	1.636E-13	1.807E-12	-0.20666	hypo	sig	chr1_166155581
chr1	1.53E+08	152827469	+	1.637E-13	1.8078E-12	-0.22849	hypo	sig	chr1_152827469
chr5	1.77E+08	177400205	+	1.638E-13	1.8087E-12	0.210715	hyper	sig	chr5_177400205
chr8	27603706	27603706	+	1.639E-13	1.8098E-12	-0.21932	hypo	sig	chr8_27603706
chr1	2174940	2174940	+	1.639E-13	1.8102E-12	0.2262	hyper	sig	chr1_2174940
chr12	85278798	85278798	+	1.64E-13	1.8106E-12	0.249419	hyper	sig	chr12_85278798
chr5	1732629	1732629	+	1.64E-13	1.8111E-12	-0.32349	hypo	sig	chr5_1732629
chr6	2918159	2918159	+	1.64E-13	1.8112E-12	0.216409	hyper	sig	chr6_2918159
chr21	45642609	45642609	+	1.641E-13	1.8119E-12	0.283011	hyper	sig	chr21_45642609
chr16	51156118	51156118	+	1.641E-13	1.8121E-12	0.231316	hyper	sig	chr16_51156118
chr5	1.41E+08	141432880	+	1.642E-13	1.8123E-12	0.248391	hyper	sig	chr5_141432880
chr19	2428352	2428352	+	1.642E-13	1.8126E-12	0.224017	hyper	sig	chr19_2428352
chr12	1.31E+08	130953978	+	1.642E-13	1.813E-12	0.241689	hyper	sig	chr12_130953978
chr7	1.5E+08	150329820	+	1.642E-13	1.8133E-12	0.204375	hyper	sig	chr7_150329820
chr10	1.03E+08	103479363	+	1.644E-13	1.8146E-12	-0.31861	hypo	sig	chr10_103479363
chr2	89611953	89611953	+	1.644E-13	1.8152E-12	0.268234	hyper	sig	chr2_89611953
chr7	1.54E+08	153749176	+	1.645E-13	1.8163E-12	0.27665	hyper	sig	chr7_153749176
chr11	73958263	73958263	+	1.647E-13	1.8183E-12	-0.23818	hypo	sig	chr11_73958263
chr1	3313860	3313860	+	1.648E-13	1.8191E-12	0.219254	hyper	sig	chr1_3313860
chr18	57441593	57441593	+	1.649E-13	1.8204E-12	0.240741	hyper	sig	chr18_57441593
chr19	39415926	39415926	+	1.651E-13	1.8224E-12	0.27206	hyper	sig	chr19_39415926
chr12	24951809	24951809	+	1.654E-13	1.8255E-12	-0.27565	hypo	sig	chr12_24951809
chr17	61454363	61454363	+	1.655E-13	1.8263E-12	0.220837	hyper	sig	chr17_61454363
chr16	1007727	1007727	+	1.655E-13	1.8267E-12	-0.31514	hypo	sig	chr16_1007727
chr1	2.28E+08	228158480	+	1.655E-13	1.8269E-12	0.250308	hyper	sig	chr1_228158480
chr4	1.66E+08	165874249	+	1.656E-13	1.828E-12	0.268775	hyper	sig	chr4_165874249
chr8	1.44E+08	143718855	+	1.657E-13	1.8286E-12	-0.24894	hypo	sig	chr8_143718855
chr2	2.02E+08	201619233	+	1.658E-13	1.8298E-12	0.264189	hyper	sig	chr2_201619233
chr5	1.41E+08	141150443	+	1.658E-13	1.8299E-12	0.307414	hyper	sig	chr5_141150443
chr11	75350801	75350801	+	1.658E-13	1.8303E-12	0.318059	hyper	sig	chr11_75350801
chr6	50706830	50706830	+	1.659E-13	1.8311E-12	0.213241	hyper	sig	chr6_50706830
chr2	2.41E+08	240558310	+	1.659E-13	1.8311E-12	0.20849	hyper	sig	chr2_240558310
chr19	56477010	56477010	+	1.661E-13	1.833E-12	0.267777	hyper	sig	chr19_56477010
chr5	31639763	31639763	+	1.661E-13	1.833E-12	0.31524	hyper	sig	chr5_31639763
chr1	2.17E+08	217134455	+	1.661E-13	1.8332E-12	0.308112	hyper	sig	chr1_217134455
chr1	1070031	1070031	+	1.663E-13	1.835E-12	-0.23552	hypo	sig	chr1_1070031
chr1	1.8E+08	179588770	+	1.663E-13	1.8351E-12	-0.20131	hypo	sig	chr1_179588770
chr6	32220466	32220466	+	1.663E-13	1.8351E-12	-0.2426	hypo	sig	chr6_32220466
chr12	54047466	54047466	+	1.663E-13	1.8355E-12	0.252672	hyper	sig	chr12_54047466
chr2	2.22E+08	222298210	+	1.664E-13	1.836E-12	0.205073	hyper	sig	chr2_222298210
chr21	38804636	38804636	+	1.666E-13	1.8378E-12	-0.25367	hypo	sig	chr21_38804636
chr16	2714206	2714206	+	1.668E-13	1.8404E-12	-0.21712	hypo	sig	chr16_2714206
chr13	1.13E+08	113148808	+	1.669E-13	1.8418E-12	-0.21945	hypo	sig	chr13_113148808

chr5	1.16E+08	115962349	+	1.669E-13	1.8419E-12	0.343374	hyper	sig	chr5_115962349
chr1	3111673	3111673	+	1.67E-13	1.843E-12	0.309073	hyper	sig	chr1_3111673
chr19	39834460	39834460	+	1.671E-13	1.8432E-12	0.217718	hyper	sig	chr19_39834460
chr3	1.6E+08	159840298	+	1.673E-13	1.8451E-12	0.303231	hyper	sig	chr3_159840298
chr13	1.08E+08	107868045	+	1.673E-13	1.8456E-12	0.201017	hyper	sig	chr13_107868045
chr2	2.19E+08	218962139	+	1.673E-13	1.8458E-12	0.272674	hyper	sig	chr2_218962139
chr11	1.17E+08	117492142	+	1.673E-13	1.846E-12	-0.37896	hypo	sig	chr11_117492142
chr5	1.71E+08	170501856	+	1.673E-13	1.846E-12	-0.28443	hypo	sig	chr5_170501856
chr2	2.42E+08	241834297	+	1.676E-13	1.8484E-12	-0.24574	hypo	sig	chr2_241834297
chr6	41407130	41407130	+	1.68E-13	1.8528E-12	0.230901	hyper	sig	chr6_41407130
chr16	31569613	31569613	+	1.68E-13	1.8528E-12	0.243513	hyper	sig	chr16_31569613
chr22	46045916	46045916	+	1.68E-13	1.8529E-12	0.252261	hyper	sig	chr22_46045916
chr4	4855188	4855188	+	1.681E-13	1.8535E-12	0.207961	hyper	sig	chr4_4855188
chr17	77429107	77429107	+	1.681E-13	1.8538E-12	0.253102	hyper	sig	chr17_77429107
chr4	65670896	65670896	+	1.681E-13	1.8544E-12	0.203514	hyper	sig	chr4_65670896
chr21	44338277	44338277	+	1.683E-13	1.8558E-12	0.220942	hyper	sig	chr21_44338277
chr12	1.2E+08	120314467	+	1.684E-13	1.8567E-12	-0.22478	hypo	sig	chr12_120314467
chr7	1.3E+08	130492990	+	1.684E-13	1.8575E-12	0.220719	hyper	sig	chr7_130492990
chr9	91948222	91948222	+	1.684E-13	1.8575E-12	0.303275	hyper	sig	chr9_91948222
chr2	2.35E+08	235493033	+	1.685E-13	1.8582E-12	0.216402	hyper	sig	chr2_235493033
chr1	1.17E+08	116738820	+	1.685E-13	1.8587E-12	-0.22432	hypo	sig	chr1_116738820
chr7	1.33E+08	133170504	+	1.686E-13	1.8592E-12	-0.34394	hypo	sig	chr7_133170504
chr4	5051156	5051156	+	1.686E-13	1.8593E-12	0.256363	hyper	sig	chr4_5051156
chr4	1.74E+08	173531310	+	1.687E-13	1.86E-12	0.239184	hyper	sig	chr4_173531310
chr1	1130484	1130484	+	1.688E-13	1.8609E-12	-0.23988	hypo	sig	chr1_1130484
chr1	1.9E+08	190478171	+	1.688E-13	1.8617E-12	0.32016	hyper	sig	chr1_190478171
chr12	62191458	62191458	+	1.689E-13	1.8622E-12	0.294638	hyper	sig	chr12_62191458
chr5	45695297	45695297	+	1.689E-13	1.8624E-12	0.326187	hyper	sig	chr5_45695297
chr14	75470036	75470036	+	1.689E-13	1.8626E-12	0.261635	hyper	sig	chr14_75470036
chr11	64604844	64604844	+	1.69E-13	1.8632E-12	-0.25596	hypo	sig	chr11_64604844
chr13	1.14E+08	114097572	+	1.69E-13	1.8632E-12	-0.24967	hypo	sig	chr13_114097572
chr3	1.47E+08	147245873	+	1.69E-13	1.8635E-12	-0.22132	hypo	sig	chr3_147245873
chr9	1.37E+08	137438649	+	1.69E-13	1.8635E-12	-0.24506	hypo	sig	chr9_137438649
chr9	1.14E+08	114394877	+	1.69E-13	1.8636E-12	0.200491	hyper	sig	chr9_114394877
chr13	50401543	50401543	+	1.691E-13	1.864E-12	0.240088	hyper	sig	chr13_50401543
chr8	79769063	79769063	+	1.692E-13	1.8652E-12	-0.26262	hypo	sig	chr8_79769063
chr11	1.34E+08	134030043	+	1.693E-13	1.8661E-12	-0.30618	hypo	sig	chr11_134030043
chr7	1.52E+08	151796499	+	1.693E-13	1.8662E-12	-0.25503	hypo	sig	chr7_151796499
chr6	30171942	30171942	+	1.694E-13	1.8674E-12	0.258417	hyper	sig	chr6_30171942
chr5	1.41E+08	141399894	+	1.695E-13	1.8682E-12	0.226575	hyper	sig	chr5_141399894
chr3	13568621	13568621	+	1.697E-13	1.8702E-12	-0.2775	hypo	sig	chr3_13568621
chr13	99958779	99958779	+	1.698E-13	1.872E-12	0.249657	hyper	sig	chr13_99958779
chr2	1.29E+08	128537251	+	1.698E-13	1.8722E-12	-0.29579	hypo	sig	chr2_128537251
chr1	1.48E+08	148329661	+	1.7E-13	1.8737E-12	0.228039	hyper	sig	chr1_148329661
chr5	1764326	1764326	+	1.7E-13	1.8742E-12	-0.21669	hypo	sig	chr5_1764326
chr16	89972145	89972145	+	1.701E-13	1.8748E-12	0.286767	hyper	sig	chr16_89972145
chr9	95497966	95497966	+	1.701E-13	1.8753E-12	0.283189	hyper	sig	chr9_95497966
chr1	9183688	9183688	+	1.702E-13	1.8762E-12	0.21157	hyper	sig	chr1_9183688
chr14	21087392	21087392	+	1.703E-13	1.8766E-12	0.306321	hyper	sig	chr14_21087392
chr6	44166329	44166329	+	1.703E-13	1.8767E-12	-0.24211	hypo	sig	chr6_44166329
chr16	987433	987433	+	1.703E-13	1.8771E-12	-0.31399	hypo	sig	chr16_987433
chr17	21350842	21350842	+	1.703E-13	1.8774E-12	-0.30158	hypo	sig	chr17_21350842
chr16	1543187	1543187	+	1.703E-13	1.8775E-12	-0.20725	hypo	sig	chr16_1543187
chr11	57432918	57432918	+	1.707E-13	1.8813E-12	-0.22836	hypo	sig	chr11_57432918
chr9	1.16E+08	116154888	+	1.708E-13	1.8822E-12	0.219835	hyper	sig	chr9_116154888
chr6	26017890	26017890	+	1.709E-13	1.8832E-12	0.206703	hyper	sig	chr6_26017890

chr13	26046648	26046648	+	1.709E-13	1.8837E-12	-0.24742	hypo	sig	chr13_26046648
chr17	81528753	81528753	+	1.712E-13	1.8864E-12	-0.34565	hypo	sig	chr17_81528753
chr20	58841802	58841802	+	1.713E-13	1.8873E-12	0.247192	hyper	sig	chr20_58841802
chr17	6660266	6660266	+	1.714E-13	1.889E-12	-0.27408	hypo	sig	chr17_6660266
chr10	79221427	79221427	+	1.715E-13	1.8897E-12	0.334265	hyper	sig	chr10_79221427
chr6	26743093	26743093	+	1.716E-13	1.8905E-12	0.337134	hyper	sig	chr6_26743093
chr12	57767062	57767062	+	1.716E-13	1.891E-12	0.213581	hyper	sig	chr12_57767062
chr2	9820621	9820621	+	1.716E-13	1.891E-12	-0.24276	hypo	sig	chr2_9820621
chr20	57694519	57694519	+	1.717E-13	1.8918E-12	-0.25366	hypo	sig	chr20_57694519
chr6	10398543	10398543	+	1.717E-13	1.8918E-12	0.256387	hyper	sig	chr6_10398543
chr19	40447936	40447936	+	1.718E-13	1.8927E-12	0.203622	hyper	sig	chr19_40447936
chr2	9102971	9102971	+	1.718E-13	1.8929E-12	-0.27238	hypo	sig	chr2_9102971
chr19	29405380	29405380	+	1.719E-13	1.8939E-12	0.24905	hyper	sig	chr19_29405380
chr3	32819697	32819697	+	1.719E-13	1.894E-12	0.238599	hyper	sig	chr3_32819697
chr12	54029754	54029754	+	1.72E-13	1.8947E-12	0.208804	hyper	sig	chr12_54029754
chr5	63961303	63961303	+	1.72E-13	1.8952E-12	0.302402	hyper	sig	chr5_63961303
chr6	31728452	31728452	+	1.721E-13	1.8955E-12	0.283865	hyper	sig	chr6_31728452
chr7	1395466	1395466	+	1.721E-13	1.8956E-12	0.24892	hyper	sig	chr7_1395466
chr19	39891964	39891964	+	1.721E-13	1.8958E-12	0.276632	hyper	sig	chr19_39891964
chr14	85532014	85532014	+	1.721E-13	1.8962E-12	0.270227	hyper	sig	chr14_85532014
chr17	7014059	7014059	+	1.722E-13	1.8967E-12	-0.23136	hypo	sig	chr17_7014059
chr20	21514898	21514898	+	1.722E-13	1.8968E-12	0.2053	hyper	sig	chr20_21514898
chr11	69437115	69437115	+	1.722E-13	1.897E-12	-0.2193	hypo	sig	chr11_69437115
chr19	3179611	3179611	+	1.724E-13	1.899E-12	-0.27858	hypo	sig	chr19_3179611
chr1	18631551	18631551	+	1.724E-13	1.8996E-12	0.244615	hyper	sig	chr1_18631551
chr19	15723039	15723039	+	1.727E-13	1.9018E-12	0.234581	hyper	sig	chr19_15723039
chr8	64576123	64576123	+	1.727E-13	1.9018E-12	0.283119	hyper	sig	chr8_64576123
chr6	32096371	32096371	+	1.727E-13	1.9019E-12	0.217918	hyper	sig	chr6_32096371
chr4	7299899	7299899	+	1.728E-13	1.903E-12	-0.2362	hypo	sig	chr4_7299899
chr8	1.42E+08	142119747	+	1.728E-13	1.9036E-12	-0.3262	hypo	sig	chr8_142119747
chr16	85124156	85124156	+	1.728E-13	1.9037E-12	-0.22214	hypo	sig	chr16_85124156
chr19	54277195	54277195	+	1.729E-13	1.9045E-12	-0.27553	hypo	sig	chr19_54277195
chr3	1.33E+08	133039050	+	1.729E-13	1.9048E-12	0.209588	hyper	sig	chr3_133039050
chr5	1.59E+08	159105316	+	1.731E-13	1.9063E-12	0.254441	hyper	sig	chr5_159105316
chr19	57583754	57583754	+	1.731E-13	1.9069E-12	0.263248	hyper	sig	chr19_57583754
chr5	2643397	2643397	+	1.732E-13	1.9071E-12	0.222003	hyper	sig	chr5_2643397
chr21	33265793	33265793	+	1.733E-13	1.9081E-12	-0.20444	hypo	sig	chr21_33265793
chr6	27260479	27260479	+	1.734E-13	1.9095E-12	0.219817	hyper	sig	chr6_27260479
chr14	28767164	28767164	+	1.737E-13	1.9128E-12	0.303658	hyper	sig	chr14_28767164
chr3	1.7E+08	169660032	+	1.737E-13	1.9128E-12	0.223102	hyper	sig	chr3_169660032
chr13	99988667	99988667	+	1.737E-13	1.9129E-12	0.262045	hyper	sig	chr13_99988667
chr7	1.28E+08	128454659	+	1.738E-13	1.9143E-12	0.244861	hyper	sig	chr7_128454659
chr2	44943226	44943226	+	1.739E-13	1.9155E-12	0.29023	hyper	sig	chr2_44943226
chr8	56478136	56478136	+	1.739E-13	1.9155E-12	-0.34628	hypo	sig	chr8_56478136
chr19	3179434	3179434	+	1.741E-13	1.9174E-12	-0.27699	hypo	sig	chr19_3179434
chr10	1201525	1201525	+	1.742E-13	1.9178E-12	-0.21899	hypo	sig	chr10_1201525
chr5	1.41E+08	141421974	+	1.742E-13	1.9183E-12	0.277835	hyper	sig	chr5_141421974
chr11	70826766	70826766	+	1.742E-13	1.9184E-12	0.244661	hyper	sig	chr11_70826766
chr19	7668985	7668985	+	1.743E-13	1.9196E-12	-0.24385	hypo	sig	chr19_7668985
chr16	85644537	85644537	+	1.744E-13	1.9205E-12	-0.28999	hypo	sig	chr16_85644537
chr1	37318362	37318362	+	1.745E-13	1.9217E-12	0.202788	hyper	sig	chr1_37318362
chr6	3270397	3270397	+	1.745E-13	1.9217E-12	-0.28824	hypo	sig	chr6_3270397
chr12	1.22E+08	122059316	+	1.746E-13	1.9223E-12	0.247767	hyper	sig	chr12_122059316
chr4	6927318	6927318	+	1.746E-13	1.9224E-12	-0.20437	hypo	sig	chr4_6927318
chr6	7468574	7468574	+	1.747E-13	1.9231E-12	-0.25808	hypo	sig	chr6_7468574
chr16	54290635	54290635	+	1.747E-13	1.9238E-12	0.338683	hyper	sig	chr16_54290635

chr12	1616735	1616735	+	1.747E-13	1.9238E-12	-0.2319	hypo	sig	chr12_1616735
chr9	36259056	36259056	+	1.747E-13	1.9238E-12	0.277156	hyper	sig	chr9_36259056
chr8	1.43E+08	142500145	+	1.747E-13	1.9238E-12	0.318243	hyper	sig	chr8_142500145
chr10	72317168	72317168	+	1.748E-13	1.9239E-12	-0.20118	hypo	sig	chr10_72317168
chr7	45087056	45087056	+	1.748E-13	1.9248E-12	-0.2317	hypo	sig	chr7_45087056
chr2	2.08E+08	208124681	+	1.749E-13	1.9254E-12	0.231894	hyper	sig	chr2_208124681
chr7	23246142	23246142	+	1.749E-13	1.9257E-12	-0.23236	hypo	sig	chr7_23246142
chr20	38724405	38724405	+	1.749E-13	1.9257E-12	0.477269	hyper	sig	chr20_38724405
chr8	1.42E+08	142174144	+	1.749E-13	1.9257E-12	-0.23148	hypo	sig	chr8_142174144
chr12	1.3E+08	130339487	+	1.75E-13	1.9261E-12	0.235731	hyper	sig	chr12_130339487
chr6	32070408	32070408	+	1.75E-13	1.9266E-12	-0.21878	hypo	sig	chr6_32070408
chr11	8759467	8759467	+	1.75E-13	1.9266E-12	0.232091	hyper	sig	chr11_8759467
chr5	1.4E+08	139677902	+	1.752E-13	1.9284E-12	0.260284	hyper	sig	chr5_139677902
chr13	33611239	33611239	+	1.752E-13	1.929E-12	0.216738	hyper	sig	chr13_33611239
chr7	57653094	57653094	+	1.754E-13	1.9305E-12	-0.2115	hypo	sig	chr7_57653094
chr3	46577117	46577117	+	1.754E-13	1.9305E-12	0.278336	hyper	sig	chr3_46577117
chr8	1.19E+08	119209573	+	1.755E-13	1.9313E-12	-0.21974	hypo	sig	chr8_119209573
chr13	1.14E+08	114049607	+	1.755E-13	1.9318E-12	-0.25264	hypo	sig	chr13_114049607
chr17	77377220	77377220	+	1.756E-13	1.9324E-12	0.259423	hyper	sig	chr17_77377220
chr6	1.68E+08	167797479	+	1.756E-13	1.9327E-12	-0.24081	hypo	sig	chr6_167797479
chr9	98709623	98709623	+	1.757E-13	1.9339E-12	0.245019	hyper	sig	chr9_98709623
chr11	1.17E+08	117181681	+	1.758E-13	1.935E-12	0.251527	hyper	sig	chr11_117181681
chr12	1.11E+08	111033505	+	1.759E-13	1.9358E-12	0.239949	hyper	sig	chr12_111033505
chr10	71852492	71852492	+	1.759E-13	1.9362E-12	-0.22679	hypo	sig	chr10_71852492
chr4	7331648	7331648	+	1.76E-13	1.9371E-12	-0.32064	hypo	sig	chr4_7331648
chr13	1.1E+08	110325675	+	1.76E-13	1.9373E-12	-0.25495	hypo	sig	chr13_110325675
chr16	55656707	55656707	+	1.761E-13	1.9376E-12	0.262844	hyper	sig	chr16_55656707
chr1	1.57E+08	156657155	+	1.762E-13	1.9387E-12	0.232233	hyper	sig	chr1_156657155
chr2	2.32E+08	232459073	+	1.762E-13	1.9389E-12	0.263499	hyper	sig	chr2_232459073
chr1	13584263	13584263	+	1.763E-13	1.9395E-12	0.312518	hyper	sig	chr1_13584263
chr1	98049588	98049588	+	1.764E-13	1.9408E-12	0.229934	hyper	sig	chr1_98049588
chr16	56193819	56193819	+	1.764E-13	1.9415E-12	0.243564	hyper	sig	chr16_56193819
chr17	39940318	39940318	+	1.765E-13	1.9417E-12	0.201694	hyper	sig	chr17_39940318
chr2	2.35E+08	234796214	+	1.765E-13	1.9423E-12	0.212954	hyper	sig	chr2_234796214
chr1	1.17E+08	117093912	+	1.766E-13	1.9431E-12	-0.20832	hypo	sig	chr1_117093912
chr7	1.58E+08	158450807	+	1.766E-13	1.9433E-12	-0.20439	hypo	sig	chr7_158450807
chr2	2.41E+08	241210368	+	1.769E-13	1.9462E-12	-0.22732	hypo	sig	chr2_241210368
chr19	1450384	1450384	+	1.769E-13	1.9464E-12	0.233061	hyper	sig	chr19_1450384
chr8	1.33E+08	133217858	+	1.77E-13	1.9471E-12	-0.31501	hypo	sig	chr8_133217858
chr20	63682335	63682335	+	1.771E-13	1.9489E-12	0.261401	hyper	sig	chr20_63682335
chr15	25172869	25172869	+	1.772E-13	1.9492E-12	-0.2541	hypo	sig	chr15_25172869
chr16	49277628	49277628	+	1.772E-13	1.9492E-12	0.223367	hyper	sig	chr16_49277628
chr2	27381107	27381107	+	1.772E-13	1.9498E-12	0.287886	hyper	sig	chr2_27381107
chr9	92916301	92916301	+	1.773E-13	1.9506E-12	-0.22089	hypo	sig	chr9_92916301
chr5	1.41E+08	141235970	+	1.773E-13	1.9508E-12	0.271958	hyper	sig	chr5_141235970
chr20	33675032	33675032	+	1.773E-13	1.9509E-12	0.253756	hyper	sig	chr20_33675032
chr1	38476698	38476698	+	1.774E-13	1.9511E-12	0.244167	hyper	sig	chr1_38476698
chr8	70070641	70070641	+	1.774E-13	1.9511E-12	0.2659	hyper	sig	chr8_70070641
chr19	49210732	49210732	+	1.774E-13	1.9514E-12	0.30447	hyper	sig	chr19_49210732
chr5	663813	663813	+	1.774E-13	1.9515E-12	-0.22265	hypo	sig	chr5_663813
chr10	1.32E+08	132294896	+	1.774E-13	1.9516E-12	-0.2046	hypo	sig	chr10_132294896
chr5	1.41E+08	141150913	+	1.774E-13	1.9516E-12	0.228987	hyper	sig	chr5_141150913
chr16	89916210	89916210	+	1.777E-13	1.9551E-12	-0.21307	hypo	sig	chr16_89916210
chr1	50425669	50425669	+	1.778E-13	1.9553E-12	0.242573	hyper	sig	chr1_50425669
chr19	695568	695568	+	1.78E-13	1.9581E-12	-0.24942	hypo	sig	chr19_695568
chr19	13255263	13255263	+	1.78E-13	1.9583E-12	-0.21424	hypo	sig	chr19_13255263

chr12	1.32E+08	132423442	+	1.781E-13	1.9592E-12	-0.20943	hypo	sig	chr12_132423442
chr3	35640129	35640129	+	1.781E-13	1.9593E-12	0.233459	hyper	sig	chr3_35640129
chr17	57045581	57045581	+	1.781E-13	1.9594E-12	0.280773	hyper	sig	chr17_57045581
chr10	1.23E+08	122954592	+	1.782E-13	1.9595E-12	0.222155	hyper	sig	chr10_122954592
chr11	3156441	3156441	+	1.782E-13	1.9596E-12	0.214089	hyper	sig	chr11_3156441
chr2	74459705	74459705	+	1.782E-13	1.9597E-12	-0.25038	hypo	sig	chr2_74459705
chr12	2120101	2120101	+	1.782E-13	1.9599E-12	0.226725	hyper	sig	chr12_2120101
chr18	47248535	47248535	+	1.782E-13	1.9599E-12	0.235801	hyper	sig	chr18_47248535
chr4	3744716	3744716	+	1.783E-13	1.9614E-12	0.28683	hyper	sig	chr4_3744716
chr14	94769485	94769485	+	1.784E-13	1.9615E-12	0.227483	hyper	sig	chr14_94769485
chr2	2.39E+08	239118497	+	1.784E-13	1.9624E-12	0.210174	hyper	sig	chr2_239118497
chr18	22347053	22347053	+	1.785E-13	1.9632E-12	-0.21203	hypo	sig	chr18_22347053
chr4	1.17E+08	116705987	+	1.786E-13	1.9643E-12	-0.25706	hypo	sig	chr4_116705987
chr7	1.55E+08	155487968	+	1.787E-13	1.9645E-12	-0.23653	hypo	sig	chr7_155487968
chr8	1.45E+08	144504409	+	1.787E-13	1.9653E-12	0.205019	hyper	sig	chr8_144504409
chr12	31077976	31077976	+	1.787E-13	1.9655E-12	-0.20388	hypo	sig	chr12_31077976
chr2	1742414	1742414	+	1.788E-13	1.9661E-12	0.226502	hyper	sig	chr2_1742414
chr2	2.37E+08	237483467	+	1.788E-13	1.9662E-12	-0.24713	hypo	sig	chr2_237483467
chr13	1.08E+08	107867769	+	1.789E-13	1.9667E-12	0.265093	hyper	sig	chr13_107867769
chr14	91229896	91229896	+	1.789E-13	1.967E-12	-0.25241	hypo	sig	chr14_91229896
chr11	32438115	32438115	+	1.79E-13	1.968E-12	0.276045	hyper	sig	chr11_32438115
chr9	93345973	93345973	+	1.791E-13	1.9688E-12	0.284534	hyper	sig	chr9_93345973
chr6	1.05E+08	104941642	+	1.792E-13	1.97E-12	0.252689	hyper	sig	chr6_104941642
chr17	42699539	42699539	+	1.792E-13	1.9701E-12	0.213158	hyper	sig	chr17_42699539
chr5	759683	759683	+	1.793E-13	1.9711E-12	0.225812	hyper	sig	chr5_759683
chr2	1.13E+08	113275950	+	1.793E-13	1.9714E-12	0.238761	hyper	sig	chr2_113275950
chr15	45660553	45660553	+	1.794E-13	1.9719E-12	0.234502	hyper	sig	chr15_45660553
chr16	86579069	86579069	+	1.794E-13	1.9721E-12	0.295228	hyper	sig	chr16_86579069
chr5	1.71E+08	171309854	+	1.795E-13	1.9731E-12	0.233445	hyper	sig	chr5_171309854
chr11	1.19E+08	118971827	+	1.797E-13	1.9749E-12	0.311385	hyper	sig	chr11_118971827
chr6	27260441	27260441	+	1.797E-13	1.9752E-12	0.224832	hyper	sig	chr6_27260441
chr20	24471298	24471298	+	1.798E-13	1.9761E-12	0.228091	hyper	sig	chr20_24471298
chr2	868428	868428	+	1.798E-13	1.9761E-12	0.273601	hyper	sig	chr2_868428
chr21	44457924	44457924	+	1.798E-13	1.9761E-12	-0.21998	hypo	sig	chr21_44457924
chr4	80264569	80264569	+	1.798E-13	1.9766E-12	-0.25987	hypo	sig	chr4_80264569
chr2	2.32E+08	232381705	+	1.8E-13	1.9783E-12	0.204886	hyper	sig	chr2_232381705
chr1	1.47E+08	147073305	+	1.801E-13	1.979E-12	0.220476	hyper	sig	chr1_147073305
chr14	60511224	60511224	+	1.801E-13	1.9793E-12	0.207888	hyper	sig	chr14_60511224
chr7	35262250	35262250	+	1.801E-13	1.9798E-12	0.236699	hyper	sig	chr7_35262250
chr12	6312347	6312347	+	1.803E-13	1.9817E-12	-0.22324	hypo	sig	chr12_6312347
chr1	2.21E+08	220887460	+	1.804E-13	1.9822E-12	0.222704	hyper	sig	chr1_220887460
chr1	1.01E+08	101239130	+	1.805E-13	1.9835E-12	-0.2053	hypo	sig	chr1_101239130
chr16	66579404	66579404	+	1.806E-13	1.9853E-12	0.25503	hyper	sig	chr16_66579404
chr16	48810335	48810335	+	1.807E-13	1.9858E-12	0.232967	hyper	sig	chr16_48810335
chr19	7677045	7677045	+	1.807E-13	1.9861E-12	-0.30631	hypo	sig	chr19_7677045
chr4	73998537	73998537	+	1.807E-13	1.9863E-12	0.218564	hyper	sig	chr4_73998537
chr12	52007769	52007769	+	1.809E-13	1.9875E-12	0.214036	hyper	sig	chr12_52007769
chr4	1.53E+08	152680314	+	1.809E-13	1.9876E-12	-0.23496	hypo	sig	chr4_152680314
chr11	1.11E+08	111294586	+	1.809E-13	1.988E-12	0.233753	hyper	sig	chr11_111294586
chr7	1.37E+08	136869446	+	1.81E-13	1.9893E-12	0.298081	hyper	sig	chr7_136869446
chr1	50416362	50416362	+	1.811E-13	1.9901E-12	0.305161	hyper	sig	chr1_50416362
chr1	18795324	18795324	+	1.811E-13	1.9902E-12	-0.22962	hypo	sig	chr1_18795324
chr22	37008536	37008536	+	1.813E-13	1.9923E-12	-0.2254	hypo	sig	chr22_37008536
chr1	22779107	22779107	+	1.814E-13	1.9936E-12	0.222764	hyper	sig	chr1_22779107
chr1	24109064	24109064	+	1.815E-13	1.9938E-12	-0.32582	hypo	sig	chr1_24109064
chr16	56190953	56190953	+	1.815E-13	1.994E-12	0.207462	hyper	sig	chr16_56190953

chr12	34395197	34395197	+	1.818E-13	1.9978E-12	-0.24212	hypo	sig	chr12_34395197
chr16	1378638	1378638	+	1.819E-13	1.9982E-12	-0.21961	hypo	sig	chr16_1378638
chr1	1205312	1205312	+	1.819E-13	1.9989E-12	-0.24801	hypo	sig	chr1_1205312
chr13	1.13E+08	113407883	+	1.82E-13	2E-12	-0.27631	hypo	sig	chr13_113407883
chr16	89834233	89834233	+	1.821E-13	2.0008E-12	-0.2155	hypo	sig	chr16_89834233
chr5	422384	422384	+	1.821E-13	2.001E-12	-0.21647	hypo	sig	chr5_422384
chr1	11701744	11701744	+	1.822E-13	2.0017E-12	0.278333	hyper	sig	chr1_11701744
chr19	521213	521213	+	1.822E-13	2.002E-12	-0.24163	hypo	sig	chr19_521213
chr20	63004833	63004833	+	1.823E-13	2.0029E-12	0.237849	hyper	sig	chr20_63004833
chr9	96027909	96027909	+	1.826E-13	2.0053E-12	0.229362	hyper	sig	chr9_96027909
chr6	1E+08	100458409	+	1.826E-13	2.0056E-12	0.2521	hyper	sig	chr6_100458409
chr1	2.29E+08	229270721	+	1.828E-13	2.008E-12	-0.24654	hypo	sig	chr1_229270721
chr17	81304251	81304251	+	1.828E-13	2.0083E-12	-0.30171	hypo	sig	chr17_81304251
chr16	30896358	30896358	+	1.829E-13	2.0087E-12	0.264161	hyper	sig	chr16_30896358
chr4	40630841	40630841	+	1.829E-13	2.0094E-12	-0.24508	hypo	sig	chr4_40630841
chr12	1.32E+08	132404108	+	1.829E-13	2.0095E-12	-0.20943	hypo	sig	chr12_132404108
chr6	32070002	32070002	+	1.83E-13	2.01E-12	-0.23317	hypo	sig	chr6_32070002
chr12	1.24E+08	124379935	+	1.83E-13	2.0101E-12	0.243502	hyper	sig	chr12_124379935
chr3	1.97E+08	196948660	+	1.83E-13	2.0102E-12	0.266519	hyper	sig	chr3_196948660
chr9	19788412	19788412	+	1.831E-13	2.0108E-12	0.416476	hyper	sig	chr9_19788412
chr16	70703518	70703518	+	1.831E-13	2.0113E-12	0.316203	hyper	sig	chr16_70703518
chr7	74051676	74051676	+	1.833E-13	2.0135E-12	-0.24199	hypo	sig	chr7_74051676
chr13	22926215	22926215	+	1.834E-13	2.0137E-12	0.337791	hyper	sig	chr13_22926215
chr10	1.05E+08	104643160	+	1.834E-13	2.014E-12	0.222832	hyper	sig	chr10_104643160
chr20	54475247	54475247	+	1.835E-13	2.015E-12	0.297826	hyper	sig	chr20_54475247
chr19	45385540	45385540	+	1.835E-13	2.0156E-12	0.323978	hyper	sig	chr19_45385540
chr8	1.43E+08	142777034	+	1.836E-13	2.0158E-12	0.273569	hyper	sig	chr8_142777034
chr11	27722126	27722126	+	1.837E-13	2.0175E-12	0.258229	hyper	sig	chr11_27722126
chr6	57845843	57845843	+	1.838E-13	2.0182E-12	-0.25429	hypo	sig	chr6_57845843
chr16	88497978	88497978	+	1.839E-13	2.0194E-12	0.268619	hyper	sig	chr16_88497978
chr13	1.13E+08	113022720	+	1.839E-13	2.0195E-12	0.201811	hyper	sig	chr13_113022720
chr3	27728605	27728605	+	1.84E-13	2.0206E-12	0.277405	hyper	sig	chr3_27728605
chr21	26967525	26967525	+	1.84E-13	2.0207E-12	0.201289	hyper	sig	chr21_26967525
chr8	1.44E+08	143941876	+	1.841E-13	2.021E-12	-0.20546	hypo	sig	chr8_143941876
chr10	70283742	70283742	+	1.841E-13	2.0215E-12	0.288886	hyper	sig	chr10_70283742
chr20	17318668	17318668	+	1.843E-13	2.0233E-12	-0.20708	hypo	sig	chr20_17318668
chr9	1.32E+08	131554491	+	1.846E-13	2.0265E-12	0.240186	hyper	sig	chr9_131554491
chr8	1958122	1958122	+	1.846E-13	2.0265E-12	0.25414	hyper	sig	chr8_1958122
chr1	6472566	6472566	+	1.846E-13	2.0266E-12	-0.20475	hypo	sig	chr1_6472566
chr12	1.32E+08	132496134	+	1.847E-13	2.0276E-12	0.220529	hyper	sig	chr12_132496134
chr19	49809706	49809706	+	1.847E-13	2.0277E-12	0.275754	hyper	sig	chr19_49809706
chr17	897002	897002	+	1.848E-13	2.0286E-12	0.267091	hyper	sig	chr17_897002
chr19	3179720	3179720	+	1.849E-13	2.0294E-12	-0.23068	hypo	sig	chr19_3179720
chr1	2910905	2910905	+	1.849E-13	2.03E-12	-0.3278	hypo	sig	chr1_2910905
chr12	1.31E+08	130716143	+	1.851E-13	2.0321E-12	0.207641	hyper	sig	chr12_130716143
chr9	1.25E+08	124504176	+	1.852E-13	2.0335E-12	0.244779	hyper	sig	chr9_124504176
chr4	21304428	21304428	+	1.854E-13	2.0347E-12	0.202336	hyper	sig	chr4_21304428
chr11	17722089	17722089	+	1.854E-13	2.0348E-12	0.245429	hyper	sig	chr11_17722089
chr1	53526707	53526707	+	1.854E-13	2.0354E-12	0.294845	hyper	sig	chr1_53526707
chr11	1.29E+08	129373554	+	1.856E-13	2.0368E-12	0.211141	hyper	sig	chr11_129373554
chr20	21521559	21521559	+	1.856E-13	2.0373E-12	0.288592	hyper	sig	chr20_21521559
chr9	1.28E+08	127917696	+	1.857E-13	2.0378E-12	-0.20063	hypo	sig	chr9_127917696
chr17	81529224	81529224	+	1.857E-13	2.0381E-12	-0.27135	hypo	sig	chr17_81529224
chr5	1.74E+08	173555615	+	1.857E-13	2.0381E-12	-0.20779	hypo	sig	chr5_173555615
chr18	78126631	78126631	+	1.858E-13	2.0396E-12	0.256311	hyper	sig	chr18_78126631
chr12	1.32E+08	132403703	+	1.86E-13	2.0418E-12	-0.24611	hypo	sig	chr12_132403703

chr2	2.4E+08	240322972	+	1.86E-13	2.0418E-12	-0.24292	hypo	sig	chr2_240322972
chr17	44558638	44558638	+	1.861E-13	2.042E-12	0.258236	hyper	sig	chr17_44558638
chr20	1629712	1629712	+	1.861E-13	2.0422E-12	-0.24458	hypo	sig	chr20_1629712
chr4	1.54E+08	153792172	+	1.861E-13	2.0427E-12	0.230972	hyper	sig	chr4_153792172
chr8	64374090	64374090	+	1.864E-13	2.0452E-12	0.386011	hyper	sig	chr8_64374090
chr7	31062525	31062525	+	1.866E-13	2.0473E-12	-0.21008	hypo	sig	chr7_31062525
chr20	23048714	23048714	+	1.868E-13	2.0495E-12	0.24264	hyper	sig	chr20_23048714
chr16	268870	268870	+	1.868E-13	2.0496E-12	-0.25564	hypo	sig	chr16_268870
chr19	15790403	15790403	+	1.868E-13	2.0499E-12	-0.23462	hypo	sig	chr19_15790403
chr10	49679031	49679031	+	1.869E-13	2.0507E-12	0.25082	hyper	sig	chr10_49679031
chr12	1.32E+08	131845562	+	1.87E-13	2.0522E-12	-0.22553	hypo	sig	chr12_131845562
chr22	41418249	41418249	+	1.871E-13	2.0529E-12	0.251633	hyper	sig	chr22_41418249
chr10	81875524	81875524	+	1.871E-13	2.0534E-12	0.20298	hyper	sig	chr10_81875524
chr6	30127451	30127451	+	1.872E-13	2.0535E-12	0.256477	hyper	sig	chr6_30127451
chr2	1784179	1784179	+	1.872E-13	2.0535E-12	-0.26772	hypo	sig	chr2_1784179
chr19	1254212	1254212	+	1.872E-13	2.0536E-12	0.26415	hyper	sig	chr19_1254212
chr17	49964763	49964763	+	1.874E-13	2.0558E-12	0.269871	hyper	sig	chr17_49964763
chr17	7383880	7383880	+	1.876E-13	2.0581E-12	0.235399	hyper	sig	chr17_7383880
chr1	1.56E+08	156385083	+	1.878E-13	2.0603E-12	-0.27247	hypo	sig	chr1_156385083
chr19	19170701	19170701	+	1.878E-13	2.0603E-12	0.216396	hyper	sig	chr19_19170701
chr5	1.81E+08	180630583	+	1.878E-13	2.0605E-12	-0.2761	hypo	sig	chr5_180630583
chr13	78607150	78607150	+	1.88E-13	2.0619E-12	0.254392	hyper	sig	chr13_78607150
chr7	64037277	64037277	+	1.88E-13	2.0628E-12	0.3103	hyper	sig	chr7_64037277
chr16	51153816	51153816	+	1.881E-13	2.0634E-12	0.258621	hyper	sig	chr16_51153816
chr19	47275482	47275482	+	1.882E-13	2.064E-12	0.219661	hyper	sig	chr19_47275482
chr20	49482123	49482123	+	1.882E-13	2.0642E-12	-0.21166	hypo	sig	chr20_49482123
chr19	44758489	44758489	+	1.882E-13	2.0646E-12	0.254148	hyper	sig	chr19_44758489
chr12	6056672	6056672	+	1.882E-13	2.0647E-12	-0.25307	hypo	sig	chr12_6056672
chr17	81727496	81727496	+	1.882E-13	2.0649E-12	-0.24364	hypo	sig	chr17_81727496
chr19	11985276	11985276	+	1.884E-13	2.0669E-12	0.248138	hyper	sig	chr19_11985276
chr10	1.33E+08	132870169	+	1.885E-13	2.0671E-12	-0.28646	hypo	sig	chr10_132870169
chr19	40554593	40554593	+	1.885E-13	2.0676E-12	0.205492	hyper	sig	chr19_40554593
chr13	1.12E+08	112344583	+	1.885E-13	2.0678E-12	-0.22245	hypo	sig	chr13_112344583
chr5	958778	958778	+	1.885E-13	2.0678E-12	-0.26583	hypo	sig	chr5_958778
chr6	29558599	29558599	+	1.885E-13	2.0679E-12	-0.30385	hypo	sig	chr6_29558599
chr4	1232006	1232006	+	1.886E-13	2.0688E-12	0.204429	hyper	sig	chr4_1232006
chr7	228087	228087	+	1.888E-13	2.0703E-12	-0.20873	hypo	sig	chr7_228087
chr2	2.42E+08	242011692	+	1.89E-13	2.0729E-12	-0.2118	hypo	sig	chr2_242011692
chr1	1.11E+08	111271217	+	1.891E-13	2.0739E-12	0.252755	hyper	sig	chr1_111271217
chr5	1.41E+08	141201151	+	1.891E-13	2.0739E-12	0.288501	hyper	sig	chr5_141201151
chr9	69122826	69122826	+	1.892E-13	2.0752E-12	-0.26063	hypo	sig	chr9_69122826
chr9	1.35E+08	134818315	+	1.893E-13	2.076E-12	-0.25064	hypo	sig	chr9_134818315
chr5	88684545	88684545	+	1.893E-13	2.0761E-12	0.249749	hyper	sig	chr5_88684545
chr12	1.13E+08	113479729	+	1.893E-13	2.0763E-12	0.273003	hyper	sig	chr12_113479729
chr22	48500711	48500711	+	1.894E-13	2.0767E-12	-0.21944	hypo	sig	chr22_48500711
chr1	1354876	1354876	+	1.894E-13	2.0772E-12	-0.28837	hypo	sig	chr1_1354876
chr3	1.39E+08	139044907	+	1.894E-13	2.0773E-12	0.200582	hyper	sig	chr3_139044907
chr11	61008718	61008718	+	1.895E-13	2.0775E-12	0.251817	hyper	sig	chr11_61008718
chr16	90061967	90061967	+	1.895E-13	2.0778E-12	-0.22038	hypo	sig	chr16_90061967
chr10	3288288	3288288	+	1.895E-13	2.0785E-12	-0.30935	hypo	sig	chr10_3288288
chr19	57192520	57192520	+	1.896E-13	2.0785E-12	0.251352	hyper	sig	chr19_57192520
chr5	51387808	51387808	+	1.898E-13	2.0811E-12	0.220492	hyper	sig	chr5_51387808
chr9	62799853	62799853	+	1.901E-13	2.0846E-12	0.240563	hyper	sig	chr9_62799853
chr10	99531343	99531343	+	1.901E-13	2.0846E-12	0.281563	hyper	sig	chr10_99531343
chr11	69654095	69654095	+	1.902E-13	2.0852E-12	-0.2513	hypo	sig	chr11_69654095
chr17	80067544	80067544	+	1.902E-13	2.0853E-12	-0.23063	hypo	sig	chr17_80067544

chr2	1.09E+08	109130295	+	1.903E-13	2.0861E-12	0.264021	hyper	sig	chr2_109130295
chr4	8010668	8010668	+	1.903E-13	2.0866E-12	0.312047	hyper	sig	chr4_8010668
chr17	5584638	5584638	+	1.903E-13	2.0869E-12	-0.20005	hypo	sig	chr17_5584638
chr6	35740180	35740180	+	1.904E-13	2.087E-12	-0.23879	hypo	sig	chr6_35740180
chr11	62547562	62547562	+	1.905E-13	2.0889E-12	0.274067	hyper	sig	chr11_62547562
chr7	1.22E+08	122307093	+	1.91E-13	2.0934E-12	0.269895	hyper	sig	chr7_122307093
chr20	64064216	64064216	+	1.91E-13	2.0935E-12	0.231665	hyper	sig	chr20_64064216
chr4	1.55E+08	154742998	+	1.91E-13	2.0936E-12	0.231113	hyper	sig	chr4_154742998
chr2	10301779	10301779	+	1.911E-13	2.0948E-12	-0.24826	hypo	sig	chr2_10301779
chr12	52613817	52613817	+	1.912E-13	2.0955E-12	-0.29328	hypo	sig	chr12_52613817
chr1	2E+08	200038743	+	1.912E-13	2.0963E-12	0.339498	hyper	sig	chr1_200038743
chr17	6894311	6894311	+	1.914E-13	2.0975E-12	0.248405	hyper	sig	chr17_6894311
chr1	2.3E+08	229570464	+	1.914E-13	2.0977E-12	-0.29404	hypo	sig	chr1_229570464
chr17	77286790	77286790	+	1.914E-13	2.0981E-12	-0.22676	hypo	sig	chr17_77286790
chr17	77527396	77527396	+	1.916E-13	2.1001E-12	-0.21732	hypo	sig	chr17_77527396
chr2	1.61E+08	161417184	+	1.917E-13	2.1007E-12	0.282026	hyper	sig	chr2_161417184
chr19	12648220	12648220	+	1.919E-13	2.1032E-12	0.225785	hyper	sig	chr19_12648220
chr16	1533949	1533949	+	1.92E-13	2.104E-12	0.23099	hyper	sig	chr16_1533949
chr20	45098699	45098699	+	1.92E-13	2.104E-12	0.291753	hyper	sig	chr20_45098699
chr15	55589346	55589346	+	1.92E-13	2.1045E-12	0.245342	hyper	sig	chr15_55589346
chr4	1.74E+08	173500001	+	1.92E-13	2.1046E-12	-0.23302	hypo	sig	chr4_173500001
chr2	71071822	71071822	+	1.921E-13	2.1055E-12	-0.28922	hypo	sig	chr2_71071822
chr8	1.42E+08	142454326	+	1.922E-13	2.1063E-12	-0.26315	hypo	sig	chr8_142454326
chr9	41269315	41269315	+	1.923E-13	2.1075E-12	0.255433	hyper	sig	chr9_41269315
chr15	1.01E+08	100861293	+	1.926E-13	2.1102E-12	-0.21226	hypo	sig	chr15_100861293
chr2	1.82E+08	181679594	+	1.927E-13	2.1113E-12	0.217499	hyper	sig	chr2_181679594
chr19	53162629	53162629	+	1.933E-13	2.118E-12	-0.36686	hypo	sig	chr19_53162629
chr3	1.47E+08	147423801	+	1.933E-13	2.1184E-12	0.241906	hyper	sig	chr3_147423801
chr12	1.24E+08	124387768	+	1.934E-13	2.1193E-12	0.32215	hyper	sig	chr12_124387768
chr6	1.61E+08	160679149	+	1.935E-13	2.1198E-12	0.263387	hyper	sig	chr6_160679149
chr5	1394562	1394562	+	1.935E-13	2.12E-12	0.256487	hyper	sig	chr5_1394562
chr11	71615522	71615522	+	1.935E-13	2.1202E-12	-0.23509	hypo	sig	chr11_71615522
chr12	1.32E+08	132433175	+	1.936E-13	2.1208E-12	0.253626	hyper	sig	chr12_132433175
chr2	2.18E+08	217910573	+	1.936E-13	2.1215E-12	0.327753	hyper	sig	chr2_217910573
chr17	75723751	75723751	+	1.937E-13	2.1217E-12	-0.25708	hypo	sig	chr17_75723751
chr18	5196382	5196382	+	1.937E-13	2.1217E-12	0.265245	hyper	sig	chr18_5196382
chr16	56190596	56190596	+	1.937E-13	2.1218E-12	0.208212	hyper	sig	chr16_56190596
chr7	1.17E+08	117427609	+	1.938E-13	2.1229E-12	0.257974	hyper	sig	chr7_117427609
chr7	1.51E+08	151410663	+	1.939E-13	2.1243E-12	0.245285	hyper	sig	chr7_151410663
chr12	6057777	6057777	+	1.941E-13	2.1263E-12	0.219184	hyper	sig	chr12_6057777
chr20	40690830	40690830	+	1.941E-13	2.1269E-12	0.263317	hyper	sig	chr20_40690830
chr1	1.45E+08	145475387	+	1.942E-13	2.128E-12	0.233917	hyper	sig	chr1_145475387
chr1	3063414	3063414	+	1.943E-13	2.1288E-12	0.316288	hyper	sig	chr1_3063414
chr3	1.98E+08	197509826	+	1.943E-13	2.1289E-12	0.277948	hyper	sig	chr3_197509826
chr1	1.61E+08	161259237	+	1.944E-13	2.1293E-12	0.234026	hyper	sig	chr1_161259237
chr3	1.54E+08	154428700	+	1.944E-13	2.1298E-12	0.258305	hyper	sig	chr3_154428700
chr7	1.01E+08	100964806	+	1.945E-13	2.13E-12	0.228562	hyper	sig	chr7_100964806
chr1	1.1E+08	110151422	+	1.945E-13	2.1302E-12	0.262022	hyper	sig	chr1_110151422
chr1	2.12E+08	211514703	+	1.946E-13	2.1314E-12	-0.21584	hypo	sig	chr1_211514703
chr7	55005320	55005320	+	1.947E-13	2.1322E-12	0.249879	hyper	sig	chr7_55005320
chr1	1.55E+08	155295414	+	1.947E-13	2.1328E-12	0.20256	hyper	sig	chr1_155295414
chr9	1.37E+08	137148230	+	1.948E-13	2.1332E-12	0.254482	hyper	sig	chr9_137148230
chr2	25167560	25167560	+	1.948E-13	2.1338E-12	0.303141	hyper	sig	chr2_25167560
chr11	1.29E+08	129373539	+	1.951E-13	2.1369E-12	0.241165	hyper	sig	chr11_129373539
chr7	4837348	4837348	+	1.952E-13	2.1374E-12	-0.2642	hypo	sig	chr7_4837348
chr10	13891576	13891576	+	1.952E-13	2.1377E-12	0.235994	hyper	sig	chr10_13891576

chr11	1354138	1354138	+	1.952E-13	2.1377E-12	-0.27361	hypo	sig	chr11_1354138
chr13	1.12E+08	111893252	+	1.952E-13	2.138E-12	0.331749	hyper	sig	chr13_111893252
chr10	1159909	1159909	+	1.953E-13	2.1388E-12	-0.22586	hypo	sig	chr10_1159909
chr18	5892048	5892048	+	1.953E-13	2.1389E-12	-0.24172	hypo	sig	chr18_5892048
chr18	72544788	72544788	+	1.955E-13	2.1409E-12	0.251314	hyper	sig	chr18_72544788
chr12	64389202	64389202	+	1.955E-13	2.1415E-12	-0.21043	hypo	sig	chr12_64389202
chr2	1.32E+08	131830036	+	1.958E-13	2.1438E-12	0.267884	hyper	sig	chr2_131830036
chr12	1.15E+08	114699894	+	1.959E-13	2.1457E-12	0.246683	hyper	sig	chr12_114699894
chr17	79752403	79752403	+	1.96E-13	2.1457E-12	-0.31176	hypo	sig	chr17_79752403
chr22	20364394	20364394	+	1.96E-13	2.1462E-12	-0.23845	hypo	sig	chr22_20364394
chr5	1.41E+08	141399660	+	1.961E-13	2.1468E-12	0.243348	hyper	sig	chr5_141399660
chr2	2.41E+08	240818150	+	1.962E-13	2.1486E-12	-0.2664	hypo	sig	chr2_240818150
chr10	1.29E+08	129042971	+	1.962E-13	2.1488E-12	0.295409	hyper	sig	chr10_129042971
chr7	48847942	48847942	+	1.963E-13	2.1489E-12	0.231909	hyper	sig	chr7_48847942
chr14	88327005	88327005	+	1.963E-13	2.149E-12	0.216677	hyper	sig	chr14_88327005
chr7	27141983	27141983	+	1.963E-13	2.1492E-12	0.204566	hyper	sig	chr7_27141983
chr1	3457217	3457217	+	1.964E-13	2.1503E-12	-0.21415	hypo	sig	chr1_3457217
chr16	85211165	85211165	+	1.964E-13	2.1507E-12	-0.23836	hypo	sig	chr16_85211165
chr2	2.32E+08	232487155	+	1.965E-13	2.1513E-12	0.213933	hyper	sig	chr2_232487155
chr19	43535756	43535756	+	1.968E-13	2.1551E-12	0.304031	hyper	sig	chr19_43535756
chr1	6225007	6225007	+	1.969E-13	2.156E-12	-0.2121	hypo	sig	chr1_6225007
chr11	1564671	1564671	+	1.97E-13	2.1568E-12	0.212876	hyper	sig	chr11_1564671
chr4	7591643	7591643	+	1.973E-13	2.16E-12	-0.21835	hypo	sig	chr4_7591643
chr3	32237762	32237762	+	1.974E-13	2.1612E-12	-0.2357	hypo	sig	chr3_32237762
chr16	89396269	89396269	+	1.975E-13	2.162E-12	-0.20126	hypo	sig	chr16_89396269
chr16	89343801	89343801	+	1.975E-13	2.1624E-12	-0.24124	hypo	sig	chr16_89343801
chr2	868176	868176	+	1.975E-13	2.1624E-12	0.237015	hyper	sig	chr2_868176
chr1	50417811	50417811	+	1.978E-13	2.1651E-12	0.246051	hyper	sig	chr1_50417811
chr14	91243607	91243607	+	1.978E-13	2.1657E-12	-0.25223	hypo	sig	chr14_91243607
chr17	81161271	81161271	+	1.98E-13	2.1671E-12	-0.26462	hypo	sig	chr17_81161271
chr7	1.59E+08	158570037	+	1.981E-13	2.1686E-12	0.306231	hyper	sig	chr7_158570037
chr5	11904619	11904619	+	1.982E-13	2.1698E-12	0.238372	hyper	sig	chr5_11904619
chr6	45664062	45664062	+	1.982E-13	2.1699E-12	0.275682	hyper	sig	chr6_45664062
chr22	18634912	18634912	+	1.983E-13	2.1701E-12	0.327304	hyper	sig	chr22_18634912
chr1	16872237	16872237	+	1.983E-13	2.1704E-12	0.230173	hyper	sig	chr1_16872237
chr11	1.31E+08	130805451	+	1.984E-13	2.1718E-12	-0.31816	hypo	sig	chr11_130805451
chr3	9902528	9902528	+	1.986E-13	2.1733E-12	-0.25804	hypo	sig	chr3_9902528
chr9	92809646	92809646	+	1.987E-13	2.1748E-12	0.215136	hyper	sig	chr9_92809646
chr1	2.36E+08	236064114	+	1.988E-13	2.176E-12	0.242568	hyper	sig	chr1_236064114
chr1	2213474	2213474	+	1.988E-13	2.1762E-12	0.259115	hyper	sig	chr1_2213474
chr3	9552398	9552398	+	1.989E-13	2.1769E-12	0.31798	hyper	sig	chr3_9552398
chr6	1.05E+08	104941575	+	1.991E-13	2.179E-12	0.274854	hyper	sig	chr6_104941575
chr1	30769230	30769230	+	1.991E-13	2.1792E-12	-0.26348	hypo	sig	chr1_30769230
chr1	2E+08	200042347	+	1.993E-13	2.1808E-12	0.202035	hyper	sig	chr1_200042347
chr6	84774079	84774079	+	1.993E-13	2.1813E-12	0.207568	hyper	sig	chr6_84774079
chr1	1.1E+08	110069751	+	1.993E-13	2.1815E-12	0.225784	hyper	sig	chr1_110069751
chr7	1.59E+08	158500771	+	1.994E-13	2.1818E-12	0.229004	hyper	sig	chr7_158500771
chr3	10995212	10995212	+	1.994E-13	2.1819E-12	-0.26316	hypo	sig	chr3_10995212
chr12	1.32E+08	132318819	+	1.994E-13	2.1823E-12	-0.23777	hypo	sig	chr12_132318819
chr19	1177613	1177613	+	1.996E-13	2.184E-12	-0.25391	hypo	sig	chr19_1177613
chr8	1.42E+08	141622394	+	1.997E-13	2.185E-12	-0.33666	hypo	sig	chr8_141622394
chr11	2213398	2213398	+	1.999E-13	2.1868E-12	-0.2496	hypo	sig	chr11_2213398
chr17	7133595	7133595	+	1.999E-13	2.1868E-12	-0.2269	hypo	sig	chr17_7133595
chr2	25167497	25167497	+	1.999E-13	2.1874E-12	0.345829	hyper	sig	chr2_25167497
chr6	5025930	5025930	+	2E-13	2.1887E-12	0.222763	hyper	sig	chr6_5025930
chr4	41746659	41746659	+	2.003E-13	2.1914E-12	0.217044	hyper	sig	chr4_41746659

chr22	39239182	39239182	+	2.004E-13	2.1923E-12	-0.22988	hypo	sig	chr22_39239182
chr6	30724233	30724233	+	2.004E-13	2.193E-12	0.210913	hyper	sig	chr6_30724233
chr13	25468445	25468445	+	2.005E-13	2.194E-12	0.251843	hyper	sig	chr13_25468445
chr11	92225884	92225884	+	2.007E-13	2.1952E-12	0.238359	hyper	sig	chr11_92225884
chr8	41897915	41897915	+	2.008E-13	2.1968E-12	0.216561	hyper	sig	chr8_41897915
chr10	1.28E+08	128047717	+	2.009E-13	2.1978E-12	-0.21089	hypo	sig	chr10_128047717
chr3	13637527	13637527	+	2.009E-13	2.198E-12	-0.24062	hypo	sig	chr3_13637527
chr2	71560641	71560641	+	2.01E-13	2.1985E-12	0.234336	hyper	sig	chr2_71560641
chr1	44645749	44645749	+	2.011E-13	2.1999E-12	0.234606	hyper	sig	chr1_44645749
chr6	1.66E+08	165792147	+	2.012E-13	2.2009E-12	-0.2221	hypo	sig	chr6_165792147
chr5	1.79E+08	178577082	+	2.015E-13	2.2043E-12	0.275481	hyper	sig	chr5_178577082
chr3	46857965	46857965	+	2.016E-13	2.2048E-12	-0.2078	hypo	sig	chr3_46857965
chr5	1.74E+08	173555692	+	2.017E-13	2.2064E-12	-0.20585	hypo	sig	chr5_173555692
chr1	1.1E+08	110069427	+	2.017E-13	2.2065E-12	0.218752	hyper	sig	chr1_110069427
chr20	22568615	22568615	+	2.018E-13	2.2069E-12	0.356505	hyper	sig	chr20_22568615
chr8	1.02E+08	102123358	+	2.018E-13	2.2069E-12	0.243387	hyper	sig	chr8_102123358
chr7	74404063	74404063	+	2.019E-13	2.2082E-12	0.221322	hyper	sig	chr7_74404063
chr17	7013674	7013674	+	2.02E-13	2.2089E-12	-0.22954	hypo	sig	chr17_7013674
chr21	42860594	42860594	+	2.021E-13	2.2098E-12	0.289165	hyper	sig	chr21_42860594
chr5	63960458	63960458	+	2.021E-13	2.2102E-12	0.219741	hyper	sig	chr5_63960458
chr17	1137679	1137679	+	2.022E-13	2.2107E-12	-0.28971	hypo	sig	chr17_1137679
chr16	11672908	11672908	+	2.023E-13	2.2122E-12	-0.38419	hypo	sig	chr16_11672908
chr10	22479238	22479238	+	2.023E-13	2.2123E-12	-0.26193	hypo	sig	chr10_22479238
chr7	32070299	32070299	+	2.023E-13	2.2124E-12	0.288164	hyper	sig	chr7_32070299
chr11	1.25E+08	125228636	+	2.024E-13	2.213E-12	-0.26768	hypo	sig	chr11_125228636
chr9	1.19E+08	119369177	+	2.024E-13	2.2138E-12	0.297082	hyper	sig	chr9_119369177
chr2	2.34E+08	233729585	+	2.025E-13	2.2141E-12	-0.24369	hypo	sig	chr2_233729585
chr17	75844792	75844792	+	2.025E-13	2.2147E-12	-0.26086	hypo	sig	chr17_75844792
chr9	10613432	10613432	+	2.026E-13	2.215E-12	0.296666	hyper	sig	chr9_10613432
chr1	17424367	17424367	+	2.031E-13	2.2206E-12	0.321694	hyper	sig	chr1_17424367
chr16	11231731	11231731	+	2.032E-13	2.2217E-12	-0.2343	hypo	sig	chr16_11231731
chr7	2913449	2913449	+	2.033E-13	2.2231E-12	-0.24295	hypo	sig	chr7_2913449
chr2	2.22E+08	221571038	+	2.034E-13	2.2241E-12	0.208708	hyper	sig	chr2_221571038
chr1	1.71E+08	170660414	+	2.035E-13	2.2251E-12	0.256559	hyper	sig	chr1_170660414
chr3	1.93E+08	192514194	+	2.036E-13	2.2258E-12	0.218385	hyper	sig	chr3_192514194
chr19	12194741	12194741	+	2.038E-13	2.228E-12	0.247289	hyper	sig	chr19_12194741
chr6	32082176	32082176	+	2.04E-13	2.2304E-12	-0.22463	hypo	sig	chr6_32082176
chr12	1.13E+08	113476206	+	2.041E-13	2.231E-12	0.238432	hyper	sig	chr12_113476206
chr4	1.04E+08	103720041	+	2.041E-13	2.2311E-12	0.20778	hyper	sig	chr4_103720041
chr6	1.67E+08	167291765	+	2.041E-13	2.2315E-12	-0.20542	hypo	sig	chr6_167291765
chr10	1553348	1553348	+	2.041E-13	2.2316E-12	-0.20178	hypo	sig	chr10_1553348
chr19	18444669	18444669	+	2.042E-13	2.2318E-12	0.274027	hyper	sig	chr19_18444669
chr10	69824001	69824001	+	2.043E-13	2.2331E-12	0.209514	hyper	sig	chr10_69824001
chr1	16532628	16532628	+	2.044E-13	2.2346E-12	0.236994	hyper	sig	chr1_16532628
chr7	2019577	2019577	+	2.045E-13	2.2354E-12	-0.24979	hypo	sig	chr7_2019577
chr1	2.28E+08	228158333	+	2.045E-13	2.2355E-12	0.323818	hyper	sig	chr1_228158333
chr13	1.09E+08	109127484	+	2.046E-13	2.2359E-12	-0.22079	hypo	sig	chr13_109127484
chr1	1.19E+08	118984614	+	2.046E-13	2.236E-12	0.219695	hyper	sig	chr1_118984614
chr8	1.43E+08	142989472	+	2.047E-13	2.2374E-12	-0.25006	hypo	sig	chr8_142989472
chr17	7855661	7855661	+	2.048E-13	2.2389E-12	0.276393	hyper	sig	chr17_7855661
chr4	663235	663235	+	2.049E-13	2.2395E-12	0.253423	hyper	sig	chr4_663235
chr3	10328886	10328886	+	2.049E-13	2.2398E-12	0.222138	hyper	sig	chr3_10328886
chr6	1.7E+08	170280721	+	2.053E-13	2.2434E-12	-0.20087	hypo	sig	chr6_170280721
chr2	2.37E+08	237474077	+	2.054E-13	2.2444E-12	-0.27709	hypo	sig	chr2_237474077
chr19	57099329	57099329	+	2.057E-13	2.2482E-12	0.256355	hyper	sig	chr19_57099329
chr16	46731573	46731573	+	2.057E-13	2.2483E-12	-0.242	hypo	sig	chr16_46731573

chr17	76492831	76492831	+	2.057E-13	2.2483E-12	-0.34577	hypo	sig	chr17_76492831
chr2	2.38E+08	238133853	+	2.059E-13	2.2501E-12	-0.24085	hypo	sig	chr2_238133853
chr5	63960446	63960446	+	2.059E-13	2.2501E-12	0.218841	hyper	sig	chr5_63960446
chr20	3244694	3244694	+	2.059E-13	2.2502E-12	-0.24889	hypo	sig	chr20_3244694
chr2	2.39E+08	239247183	+	2.059E-13	2.2502E-12	-0.23858	hypo	sig	chr2_239247183
chr20	63361818	63361818	+	2.06E-13	2.2511E-12	0.221768	hyper	sig	chr20_63361818
chr3	1.47E+08	147410436	+	2.06E-13	2.2513E-12	0.288899	hyper	sig	chr3_147410436
chr1	20707211	20707211	+	2.062E-13	2.2528E-12	-0.24471	hypo	sig	chr1_20707211
chr1	18632452	18632452	+	2.062E-13	2.2529E-12	0.279818	hyper	sig	chr1_18632452
chr7	72969698	72969698	+	2.062E-13	2.253E-12	0.396729	hyper	sig	chr7_72969698
chr8	41567891	41567891	+	2.062E-13	2.2531E-12	0.234777	hyper	sig	chr8_41567891
chr18	26547214	26547214	+	2.064E-13	2.2549E-12	0.240072	hyper	sig	chr18_26547214
chr3	53844615	53844615	+	2.064E-13	2.2554E-12	-0.21933	hypo	sig	chr3_53844615
chr7	1.54E+08	154306249	+	2.065E-13	2.2563E-12	-0.25348	hypo	sig	chr7_154306249
chr1	7785043	7785043	+	2.066E-13	2.2574E-12	0.239521	hyper	sig	chr1_7785043
chr16	1044796	1044796	+	2.067E-13	2.2578E-12	-0.24854	hypo	sig	chr16_1044796
chr19	41026071	41026071	+	2.067E-13	2.2586E-12	0.207791	hyper	sig	chr19_41026071
chr7	1677593	1677593	+	2.069E-13	2.2599E-12	-0.23034	hypo	sig	chr7_1677593
chr1	54888060	54888060	+	2.071E-13	2.2629E-12	-0.25416	hypo	sig	chr1_54888060
chr12	1.32E+08	132426129	+	2.072E-13	2.2632E-12	-0.20214	hypo	sig	chr12_132426129
chr1	1.19E+08	118987527	+	2.073E-13	2.2644E-12	0.251978	hyper	sig	chr1_118987527
chr2	1686968	1686968	+	2.074E-13	2.2654E-12	-0.22692	hypo	sig	chr2_1686968
chr2	1.06E+08	106342857	+	2.076E-13	2.2676E-12	-0.23893	hypo	sig	chr2_106342857
chr17	57874771	57874771	+	2.076E-13	2.268E-12	0.247445	hyper	sig	chr17_57874771
chr8	27268239	27268239	+	2.082E-13	2.2737E-12	-0.21571	hypo	sig	chr8_27268239
chr11	1.3E+08	130042601	+	2.084E-13	2.2762E-12	-0.28282	hypo	sig	chr11_130042601
chr17	4969193	4969193	+	2.085E-13	2.277E-12	0.241299	hyper	sig	chr17_4969193
chr17	45229516	45229516	+	2.086E-13	2.2785E-12	-0.2407	hypo	sig	chr17_45229516
chr7	2738463	2738463	+	2.088E-13	2.2807E-12	0.227441	hyper	sig	chr7_2738463
chr1	1.52E+08	152313435	+	2.09E-13	2.2825E-12	-0.20793	hypo	sig	chr1_152313435
chr16	31569599	31569599	+	2.093E-13	2.2856E-12	0.246829	hyper	sig	chr16_31569599
chr19	10287501	10287501	+	2.094E-13	2.2865E-12	0.223049	hyper	sig	chr19_10287501
chr19	45901452	45901452	+	2.094E-13	2.2866E-12	0.357267	hyper	sig	chr19_45901452
chr7	1.59E+08	159058916	+	2.095E-13	2.2879E-12	-0.23718	hypo	sig	chr7_159058916
chr19	48747180	48747180	+	2.096E-13	2.2894E-12	0.279376	hyper	sig	chr19_48747180
chr17	65558350	65558350	+	2.097E-13	2.2895E-12	-0.24912	hypo	sig	chr17_65558350
chr3	48656170	48656170	+	2.097E-13	2.2899E-12	0.296063	hyper	sig	chr3_48656170
chr10	1.33E+08	132979643	+	2.097E-13	2.2905E-12	-0.25165	hypo	sig	chr10_132979643
chr2	74516591	74516591	+	2.098E-13	2.2907E-12	0.278876	hyper	sig	chr2_74516591
chr12	56262037	56262037	+	2.098E-13	2.291E-12	-0.26625	hypo	sig	chr12_56262037
chr12	57736717	57736717	+	2.098E-13	2.2914E-12	0.27441	hyper	sig	chr12_57736717
chr11	60954659	60954659	+	2.099E-13	2.2922E-12	-0.25742	hypo	sig	chr11_60954659
chr8	48792094	48792094	+	2.1E-13	2.2933E-12	-0.2796	hypo	sig	chr8_48792094
chr15	23897820	23897820	+	2.102E-13	2.2953E-12	0.308246	hyper	sig	chr15_23897820
chr3	26622837	26622837	+	2.103E-13	2.2965E-12	0.269251	hyper	sig	chr3_26622837
chr1	41919511	41919511	+	2.103E-13	2.2966E-12	0.226504	hyper	sig	chr1_41919511
chr9	1.34E+08	133856061	+	2.105E-13	2.2981E-12	-0.34067	hypo	sig	chr9_133856061
chr15	89367948	89367948	+	2.105E-13	2.2984E-12	0.213471	hyper	sig	chr15_89367948
chr5	1.41E+08	141210130	+	2.106E-13	2.2991E-12	0.270999	hyper	sig	chr5_141210130
chr6	1.06E+08	105993072	+	2.107E-13	2.3002E-12	0.221714	hyper	sig	chr6_105993072
chr12	1.14E+08	114444798	+	2.111E-13	2.3043E-12	0.241483	hyper	sig	chr12_114444798
chr6	1E+08	100448558	+	2.112E-13	2.3056E-12	0.303283	hyper	sig	chr6_100448558
chr1	32209253	32209253	+	2.113E-13	2.3068E-12	-0.24933	hypo	sig	chr1_32209253
chr10	666055	666055	+	2.113E-13	2.307E-12	0.201659	hyper	sig	chr10_666055
chr19	48268261	48268261	+	2.114E-13	2.3082E-12	-0.28188	hypo	sig	chr19_48268261
chr17	48551301	48551301	+	2.116E-13	2.3103E-12	0.344494	hyper	sig	chr17_48551301

chr6	27268048	27268048	+	2.12E-13	2.3145E-12	0.213396	hyper	sig	chr6_27268048
chr16	51113845	51113845	+	2.121E-13	2.3154E-12	0.273522	hyper	sig	chr16_51113845
chr19	6418042	6418042	+	2.122E-13	2.316E-12	0.229241	hyper	sig	chr19_6418042
chr13	26759797	26759797	+	2.123E-13	2.317E-12	0.284807	hyper	sig	chr13_26759797
chr1	69569433	69569433	+	2.124E-13	2.3181E-12	0.242278	hyper	sig	chr1_69569433
chr2	44943119	44943119	+	2.124E-13	2.3183E-12	0.321918	hyper	sig	chr2_44943119
chr10	1.31E+08	131476026	+	2.124E-13	2.3187E-12	-0.21283	hypo	sig	chr10_131476026
chr10	1.34E+08	133529712	+	2.124E-13	2.3189E-12	0.251082	hyper	sig	chr10_133529712
chr10	1.33E+08	132921057	+	2.125E-13	2.3189E-12	-0.24533	hypo	sig	chr10_132921057
chr22	42290009	42290009	+	2.125E-13	2.3196E-12	0.20987	hyper	sig	chr22_42290009
chr2	23418660	23418660	+	2.125E-13	2.3198E-12	0.296171	hyper	sig	chr2_23418660
chr8	22392454	22392454	+	2.126E-13	2.3202E-12	0.275981	hyper	sig	chr8_22392454
chr22	45889800	45889800	+	2.128E-13	2.3224E-12	0.245292	hyper	sig	chr22_45889800
chr7	73809486	73809486	+	2.129E-13	2.3231E-12	-0.3149	hypo	sig	chr7_73809486
chr2	66445711	66445711	+	2.129E-13	2.3235E-12	0.228238	hyper	sig	chr2_66445711
chr15	98890090	98890090	+	2.129E-13	2.3237E-12	-0.27663	hypo	sig	chr15_98890090
chr12	1.32E+08	132446073	+	2.13E-13	2.3249E-12	-0.20759	hypo	sig	chr12_132446073
chr16	88611235	88611235	+	2.131E-13	2.326E-12	0.228766	hyper	sig	chr16_88611235
chr12	54374041	54374041	+	2.131E-13	2.326E-12	-0.273	hypo	sig	chr12_54374041
chr11	6319049	6319049	+	2.134E-13	2.329E-12	0.292479	hyper	sig	chr11_6319049
chr17	40355698	40355698	+	2.135E-13	2.3302E-12	0.268746	hyper	sig	chr17_40355698
chr2	26847508	26847508	+	2.136E-13	2.3305E-12	0.20071	hyper	sig	chr2_26847508
chr19	4051694	4051694	+	2.136E-13	2.3305E-12	-0.2501	hypo	sig	chr19_4051694
chr17	6893811	6893811	+	2.136E-13	2.3313E-12	0.224453	hyper	sig	chr17_6893811
chr14	1.05E+08	105200978	+	2.137E-13	2.3319E-12	0.20924	hyper	sig	chr14_105200978
chr7	73424322	73424322	+	2.138E-13	2.3332E-12	0.218949	hyper	sig	chr7_73424322
chr19	57099331	57099331	+	2.139E-13	2.3339E-12	0.257216	hyper	sig	chr19_57099331
chr5	73311703	73311703	+	2.139E-13	2.3343E-12	0.233078	hyper	sig	chr5_73311703
chr1	41379920	41379920	+	2.142E-13	2.3375E-12	-0.22231	hypo	sig	chr1_41379920
chr22	19892104	19892104	+	2.143E-13	2.3379E-12	-0.30071	hypo	sig	chr22_19892104
chr5	2008142	2008142	+	2.144E-13	2.3398E-12	0.243671	hyper	sig	chr5_2008142
chr16	1461235	1461235	+	2.145E-13	2.34E-12	0.230187	hyper	sig	chr16_1461235
chr16	2714216	2714216	+	2.145E-13	2.3402E-12	-0.25415	hypo	sig	chr16_2714216
chr11	65592796	65592796	+	2.148E-13	2.3433E-12	0.29345	hyper	sig	chr11_65592796
chr15	74133242	74133242	+	2.148E-13	2.3434E-12	0.31283	hyper	sig	chr15_74133242
chr15	1.01E+08	100544848	+	2.148E-13	2.3435E-12	0.231669	hyper	sig	chr15_100544848
chr10	1.2E+08	120457578	+	2.148E-13	2.3439E-12	0.289142	hyper	sig	chr10_120457578
chr1	23903171	23903171	+	2.149E-13	2.3442E-12	0.202771	hyper	sig	chr1_23903171
chr15	83210865	83210865	+	2.151E-13	2.3466E-12	-0.27431	hypo	sig	chr15_83210865
chr13	1.12E+08	112071824	+	2.152E-13	2.3472E-12	0.240047	hyper	sig	chr13_112071824
chr3	1.82E+08	181724125	+	2.152E-13	2.3473E-12	0.234162	hyper	sig	chr3_181724125
chr20	21397063	21397063	+	2.152E-13	2.3475E-12	0.250379	hyper	sig	chr20_21397063
chr9	118081	118081	+	2.153E-13	2.3484E-12	0.348313	hyper	sig	chr9_118081
chr12	663522	663522	+	2.154E-13	2.3491E-12	-0.27469	hypo	sig	chr12_663522
chr16	85643255	85643255	+	2.154E-13	2.3492E-12	-0.21954	hypo	sig	chr16_85643255
chr10	45444224	45444224	+	2.154E-13	2.3497E-12	-0.25724	hypo	sig	chr10_45444224
chr18	5892066	5892066	+	2.155E-13	2.3502E-12	-0.2495	hypo	sig	chr18_5892066
chr4	5890583	5890583	+	2.156E-13	2.3513E-12	0.287112	hyper	sig	chr4_5890583
chr12	1.14E+08	114409773	+	2.156E-13	2.3518E-12	0.248413	hyper	sig	chr12_114409773
chr1	1.45E+08	145453939	+	2.156E-13	2.352E-12	0.33557	hyper	sig	chr1_145453939
chr11	65048170	65048170	+	2.158E-13	2.3533E-12	0.250755	hyper	sig	chr11_65048170
chr1	15949777	15949777	+	2.16E-13	2.3558E-12	0.282024	hyper	sig	chr1_15949777
chr5	1.41E+08	140875864	+	2.16E-13	2.3558E-12	0.215394	hyper	sig	chr5_140875864
chr20	21020596	21020596	+	2.163E-13	2.3592E-12	0.283019	hyper	sig	chr20_21020596
chr2	1.28E+08	128493710	+	2.163E-13	2.3593E-12	0.205111	hyper	sig	chr2_128493710
chr16	89909815	89909815	+	2.165E-13	2.361E-12	0.341483	hyper	sig	chr16_89909815

chr1	7664041	7664041	+	2.166E-13	2.3624E-12	-0.29371	hypo	sig	chr1_7664041
chr4	305205	305205	+	2.166E-13	2.3625E-12	0.231308	hyper	sig	chr4_305205
chr21	41678438	41678438	+	2.167E-13	2.3627E-12	-0.21713	hypo	sig	chr21_41678438
chr1	2.05E+08	205322087	+	2.167E-13	2.363E-12	-0.21497	hypo	sig	chr1_205322087
chr16	31540251	31540251	+	2.167E-13	2.3631E-12	-0.31917	hypo	sig	chr16_31540251
chr8	60876448	60876448	+	2.168E-13	2.3641E-12	-0.28693	hypo	sig	chr8_60876448
chr5	37838681	37838681	+	2.168E-13	2.3643E-12	0.219149	hyper	sig	chr5_37838681
chr22	48503499	48503499	+	2.169E-13	2.3655E-12	-0.24054	hypo	sig	chr22_48503499
chr8	1.44E+08	143732703	+	2.171E-13	2.3672E-12	-0.24563	hypo	sig	chr8_143732703
chr14	85529449	85529449	+	2.172E-13	2.368E-12	0.264171	hyper	sig	chr14_85529449
chr7	1.57E+08	157487617	+	2.173E-13	2.3695E-12	-0.21972	hypo	sig	chr7_157487617
chr2	2.37E+08	236508323	+	2.173E-13	2.3697E-12	-0.30365	hypo	sig	chr2_236508323
chr16	29785310	29785310	+	2.174E-13	2.3705E-12	0.223815	hyper	sig	chr16_29785310
chr6	1E+08	100448163	+	2.174E-13	2.3705E-12	0.280978	hyper	sig	chr6_100448163
chr3	64267929	64267929	+	2.175E-13	2.371E-12	0.271649	hyper	sig	chr3_64267929
chr13	25171335	25171335	+	2.176E-13	2.3721E-12	0.358245	hyper	sig	chr13_25171335
chr3	10993734	10993734	+	2.177E-13	2.3737E-12	0.235835	hyper	sig	chr3_10993734
chr2	1.31E+08	130930890	+	2.177E-13	2.3739E-12	-0.20706	hypo	sig	chr2_130930890
chr3	1.47E+08	147412701	+	2.179E-13	2.3752E-12	0.250097	hyper	sig	chr3_147412701
chr16	1266080	1266080	+	2.179E-13	2.376E-12	-0.30835	hypo	sig	chr16_1266080
chr16	89102166	89102166	+	2.18E-13	2.3762E-12	-0.2099	hypo	sig	chr16_89102166
chr8	26048281	26048281	+	2.18E-13	2.3769E-12	0.241059	hyper	sig	chr8_26048281
chr11	44954872	44954872	+	2.181E-13	2.3773E-12	-0.25839	hypo	sig	chr11_44954872
chr11	1.29E+08	129372668	+	2.182E-13	2.3786E-12	0.258566	hyper	sig	chr11_129372668
chr2	42568048	42568048	+	2.182E-13	2.3786E-12	0.220316	hyper	sig	chr2_42568048
chr4	1.74E+08	173524719	+	2.185E-13	2.3821E-12	0.283757	hyper	sig	chr4_173524719
chr12	6142237	6142237	+	2.185E-13	2.3821E-12	-0.27521	hypo	sig	chr12_6142237
chr1	2.08E+08	207865075	+	2.186E-13	2.3829E-12	-0.22127	hypo	sig	chr1_207865075
chr4	7286010	7286010	+	2.187E-13	2.3842E-12	0.267243	hyper	sig	chr4_7286010
chr6	27268036	27268036	+	2.188E-13	2.3849E-12	0.234747	hyper	sig	chr6_27268036
chr4	845891	845891	+	2.192E-13	2.3886E-12	0.227284	hyper	sig	chr4_845891
chr2	75562811	75562811	+	2.192E-13	2.3887E-12	-0.21383	hypo	sig	chr2_75562811
chr16	268824	268824	+	2.194E-13	2.3911E-12	-0.25465	hypo	sig	chr16_268824
chr17	44558482	44558482	+	2.194E-13	2.3913E-12	0.258979	hyper	sig	chr17_44558482
chr15	60001928	60001928	+	2.195E-13	2.3921E-12	0.27282	hyper	sig	chr15_60001928
chr17	75941592	75941592	+	2.196E-13	2.3929E-12	-0.20617	hypo	sig	chr17_75941592
chr19	3782277	3782277	+	2.196E-13	2.393E-12	-0.26066	hypo	sig	chr19_3782277
chr9	1.22E+08	121598056	+	2.196E-13	2.3934E-12	0.270631	hyper	sig	chr9_121598056
chr2	1.9E+08	190343048	+	2.197E-13	2.3937E-12	-0.22073	hypo	sig	chr2_190343048
chr10	71553198	71553198	+	2.199E-13	2.3966E-12	-0.24228	hypo	sig	chr10_71553198
chr4	1.25E+08	125316861	+	2.202E-13	2.3991E-12	0.202828	hyper	sig	chr4_125316861
chr3	1.54E+08	154428447	+	2.202E-13	2.3994E-12	0.26406	hyper	sig	chr3_154428447
chr12	64760202	64760202	+	2.203E-13	2.3999E-12	-0.24466	hypo	sig	chr12_64760202
chr1	40132856	40132856	+	2.203E-13	2.4008E-12	0.308371	hyper	sig	chr1_40132856
chr1	2.17E+08	217138137	+	2.207E-13	2.4041E-12	0.257354	hyper	sig	chr1_217138137
chr7	97023929	97023929	+	2.207E-13	2.4046E-12	0.273406	hyper	sig	chr7_97023929
chr1	3178206	3178206	+	2.209E-13	2.407E-12	-0.28515	hypo	sig	chr1_3178206
chr9	1.29E+08	129254081	+	2.215E-13	2.4131E-12	0.345764	hyper	sig	chr9_129254081
chr6	19834017	19834017	+	2.216E-13	2.4137E-12	-0.23691	hypo	sig	chr6_19834017
chr1	2.48E+08	247518217	+	2.218E-13	2.4159E-12	0.256088	hyper	sig	chr1_247518217
chr11	1.17E+08	116581016	+	2.219E-13	2.4175E-12	0.202194	hyper	sig	chr11_116581016
chr1	79006754	79006754	+	2.219E-13	2.4175E-12	0.233344	hyper	sig	chr1_79006754
chr16	75000763	75000763	+	2.22E-13	2.4185E-12	0.244435	hyper	sig	chr16_75000763
chr18	5196430	5196430	+	2.22E-13	2.4185E-12	0.263624	hyper	sig	chr18_5196430
chr8	74322380	74322380	+	2.221E-13	2.4194E-12	-0.22486	hypo	sig	chr8_74322380
chr11	1.25E+08	124752452	+	2.223E-13	2.4212E-12	0.259524	hyper	sig	chr11_124752452

chr10	7407771	7407771	+	2.223E-13	2.4212E-12	0.268934	hyper	sig	chr10_7407771
chr15	83285028	83285028	+	2.225E-13	2.423E-12	0.223343	hyper	sig	chr15_83285028
chr19	11361289	11361289	+	2.225E-13	2.4232E-12	-0.28254	hypo	sig	chr19_11361289
chr22	18998178	18998178	+	2.225E-13	2.4236E-12	0.232848	hyper	sig	chr22_18998178
chr6	1607229	1607229	+	2.226E-13	2.4249E-12	0.268221	hyper	sig	chr6_1607229
chr5	1003019	1003019	+	2.227E-13	2.4257E-12	-0.21842	hypo	sig	chr5_1003019
chr8	1496497	1496497	+	2.227E-13	2.4259E-12	-0.2405	hypo	sig	chr8_1496497
chr19	2241090	2241090	+	2.23E-13	2.4287E-12	-0.24149	hypo	sig	chr19_2241090
chr20	38723234	38723234	+	2.23E-13	2.429E-12	0.23088	hyper	sig	chr20_38723234
chr15	66254428	66254428	+	2.231E-13	2.4292E-12	0.214966	hyper	sig	chr15_66254428
chr5	1.41E+08	140876717	+	2.232E-13	2.4312E-12	0.270526	hyper	sig	chr5_140876717
chr6	1.01E+08	101402664	+	2.233E-13	2.4321E-12	0.233291	hyper	sig	chr6_101402664
chr10	52411208	52411208	+	2.237E-13	2.4356E-12	0.216167	hyper	sig	chr10_52411208
chr5	362438	362438	+	2.238E-13	2.4367E-12	-0.32438	hypo	sig	chr5_362438
chr9	1.26E+08	126235852	+	2.239E-13	2.4377E-12	-0.28113	hypo	sig	chr9_126235852
chr19	55513731	55513731	+	2.24E-13	2.4388E-12	-0.25193	hypo	sig	chr19_55513731
chr2	2.36E+08	235934457	+	2.24E-13	2.4389E-12	0.261284	hyper	sig	chr2_235934457
chr19	4455220	4455220	+	2.24E-13	2.4396E-12	0.226211	hyper	sig	chr19_4455220
chr12	49955552	49955552	+	2.24E-13	2.4397E-12	0.295966	hyper	sig	chr12_49955552
chr16	1962762	1962762	+	2.241E-13	2.4401E-12	-0.2074	hypo	sig	chr16_1962762
chr5	77643542	77643542	+	2.241E-13	2.4402E-12	0.24539	hyper	sig	chr5_77643542
chr4	1.13E+08	112520739	+	2.241E-13	2.4406E-12	0.208256	hyper	sig	chr4_112520739
chr9	1.37E+08	136965019	+	2.242E-13	2.4406E-12	-0.22897	hypo	sig	chr9_136965019
chr22	36322610	36322610	+	2.242E-13	2.4412E-12	0.266331	hyper	sig	chr22_36322610
chr1	1.47E+08	147072522	+	2.243E-13	2.4424E-12	0.228579	hyper	sig	chr1_147072522
chr16	86510871	86510871	+	2.245E-13	2.444E-12	0.234741	hyper	sig	chr16_86510871
chr12	1.32E+08	132382634	+	2.246E-13	2.4449E-12	-0.20184	hypo	sig	chr12_132382634
chr17	81255279	81255279	+	2.246E-13	2.4456E-12	0.254144	hyper	sig	chr17_81255279
chr19	58204768	58204768	+	2.249E-13	2.448E-12	0.22744	hyper	sig	chr19_58204768
chr12	51216978	51216978	+	2.25E-13	2.4495E-12	0.249824	hyper	sig	chr12_51216978
chr4	1.11E+08	110614375	+	2.251E-13	2.4504E-12	0.30478	hyper	sig	chr4_110614375
chr5	1.35E+08	135050481	+	2.254E-13	2.4535E-12	0.317495	hyper	sig	chr5_135050481
chr11	267603	267603	+	2.256E-13	2.4554E-12	-0.22544	hypo	sig	chr11_267603
chr20	35174795	35174795	+	2.256E-13	2.4555E-12	-0.23087	hypo	sig	chr20_35174795
chr22	50089812	50089812	+	2.258E-13	2.4578E-12	0.237876	hyper	sig	chr22_50089812
chr17	47866973	47866973	+	2.258E-13	2.458E-12	0.267829	hyper	sig	chr17_47866973
chr11	1.21E+08	120555851	+	2.259E-13	2.4584E-12	-0.23336	hypo	sig	chr11_120555851
chr2	46697990	46697990	+	2.26E-13	2.4603E-12	-0.2467	hypo	sig	chr2_46697990
chr11	59555845	59555845	+	2.261E-13	2.4604E-12	0.206206	hyper	sig	chr11_59555845
chr1	68047012	68047012	+	2.261E-13	2.4607E-12	-0.22656	hypo	sig	chr1_68047012
chr5	1.49E+08	149141127	+	2.261E-13	2.4613E-12	-0.21033	hypo	sig	chr5_149141127
chr16	2125523	2125523	+	2.262E-13	2.462E-12	0.265443	hyper	sig	chr16_2125523
chr7	43112544	43112544	+	2.264E-13	2.4636E-12	0.272368	hyper	sig	chr7_43112544
chr17	5097986	5097986	+	2.266E-13	2.4663E-12	0.229538	hyper	sig	chr17_5097986
chr9	1.37E+08	137304780	+	2.267E-13	2.4675E-12	0.233739	hyper	sig	chr9_137304780
chr10	70283843	70283843	+	2.27E-13	2.47E-12	0.292289	hyper	sig	chr10_70283843
chr17	81992413	81992413	+	2.27E-13	2.4707E-12	0.200353	hyper	sig	chr17_81992413
chr5	1.11E+08	111070877	+	2.273E-13	2.4734E-12	0.266977	hyper	sig	chr5_111070877
chr10	1.01E+08	101140373	+	2.274E-13	2.4742E-12	0.206293	hyper	sig	chr10_101140373
chr20	56625834	56625834	+	2.274E-13	2.4747E-12	0.281333	hyper	sig	chr20_56625834
chr5	88695284	88695284	+	2.274E-13	2.4747E-12	0.290691	hyper	sig	chr5_88695284
chr2	1.8E+08	179861970	+	2.274E-13	2.4747E-12	0.217991	hyper	sig	chr2_179861970
chr19	48627988	48627988	+	2.277E-13	2.478E-12	-0.25636	hypo	sig	chr19_48627988
chr11	1300724	1300724	+	2.279E-13	2.4796E-12	0.212948	hyper	sig	chr11_1300724
chr12	1.14E+08	114409611	+	2.279E-13	2.4798E-12	0.222608	hyper	sig	chr12_114409611
chr16	1317447	1317447	+	2.282E-13	2.4827E-12	0.224605	hyper	sig	chr16_1317447

chr9	1.14E+08	113501308	+	2.283E-13	2.4841E-12	0.250773	hyper	sig	chr9_113501308
chr3	1.96E+08	195849519	+	2.283E-13	2.4842E-12	-0.28306	hypo	sig	chr3_195849519
chr9	841675	841675	+	2.283E-13	2.4843E-12	0.208209	hyper	sig	chr9_841675
chr18	75207113	75207113	+	2.284E-13	2.4845E-12	0.29981	hyper	sig	chr18_75207113
chr16	1533809	1533809	+	2.284E-13	2.4851E-12	0.220695	hyper	sig	chr16_1533809
chr5	1.35E+08	135040691	+	2.285E-13	2.4855E-12	0.265796	hyper	sig	chr5_135040691
chr3	10995791	10995791	+	2.285E-13	2.4857E-12	-0.38007	hypo	sig	chr3_10995791
chr2	394518	394518	+	2.285E-13	2.4858E-12	-0.23709	hypo	sig	chr2_394518
chr16	88110338	88110338	+	2.285E-13	2.4858E-12	0.25421	hyper	sig	chr16_88110338
chr6	5999006	5999006	+	2.285E-13	2.4859E-12	0.202415	hyper	sig	chr6_5999006
chr18	500289	500289	+	2.288E-13	2.4885E-12	0.22414	hyper	sig	chr18_500289
chr15	67826510	67826510	+	2.288E-13	2.4889E-12	0.380387	hyper	sig	chr15_67826510
chr12	1.22E+08	121813197	+	2.288E-13	2.489E-12	0.242511	hyper	sig	chr12_121813197
chr3	70615177	70615177	+	2.289E-13	2.4898E-12	-0.23146	hypo	sig	chr3_70615177
chr16	1133676	1133676	+	2.29E-13	2.4907E-12	-0.24883	hypo	sig	chr16_1133676
chr8	55103110	55103110	+	2.291E-13	2.4916E-12	0.214775	hyper	sig	chr8_55103110
chr15	51093719	51093719	+	2.291E-13	2.492E-12	0.250491	hyper	sig	chr15_51093719
chr15	78872408	78872408	+	2.293E-13	2.494E-12	0.24415	hyper	sig	chr15_78872408
chr8	41696608	41696608	+	2.293E-13	2.4943E-12	-0.24168	hypo	sig	chr8_41696608
chr12	15221155	15221155	+	2.294E-13	2.4949E-12	0.230416	hyper	sig	chr12_15221155
chr2	2.4E+08	240137092	+	2.294E-13	2.4952E-12	-0.22647	hypo	sig	chr2_240137092
chr16	85753418	85753418	+	2.295E-13	2.496E-12	0.20625	hyper	sig	chr16_85753418
chr2	24919140	24919140	+	2.296E-13	2.4971E-12	-0.22018	hypo	sig	chr2_24919140
chr5	95843036	95843036	+	2.298E-13	2.4988E-12	-0.20867	hypo	sig	chr5_95843036
chr2	1.35E+08	134717882	+	2.298E-13	2.4992E-12	0.29864	hyper	sig	chr2_134717882
chr1	3746585	3746585	+	2.3E-13	2.5018E-12	0.247531	hyper	sig	chr1_3746585
chr2	94857456	94857456	+	2.301E-13	2.5021E-12	0.23963	hyper	sig	chr2_94857456
chr7	530320	530320	+	2.302E-13	2.5029E-12	-0.20721	hypo	sig	chr7_530320
chr19	57583771	57583771	+	2.302E-13	2.5029E-12	0.259367	hyper	sig	chr19_57583771
chr2	66440880	66440880	+	2.302E-13	2.503E-12	0.200405	hyper	sig	chr2_66440880
chr14	64539209	64539209	+	2.303E-13	2.5038E-12	-0.23197	hypo	sig	chr14_64539209
chr14	73771676	73771676	+	2.304E-13	2.5054E-12	-0.20641	hypo	sig	chr14_73771676
chr4	6008405	6008405	+	2.304E-13	2.5055E-12	0.235751	hyper	sig	chr4_6008405
chr17	1730400	1730400	+	2.305E-13	2.5064E-12	0.228369	hyper	sig	chr17_1730400
chr6	35787841	35787841	+	2.307E-13	2.5083E-12	-0.21629	hypo	sig	chr6_35787841
chr15	52794477	52794477	+	2.307E-13	2.5088E-12	0.228516	hyper	sig	chr15_52794477
chr2	40452452	40452452	+	2.308E-13	2.5091E-12	0.205441	hyper	sig	chr2_40452452
chr16	87646906	87646906	+	2.309E-13	2.5107E-12	-0.28528	hypo	sig	chr16_87646906
chr11	61747492	61747492	+	2.309E-13	2.5107E-12	-0.23325	hypo	sig	chr11_61747492
chr11	2144422	2144422	+	2.31E-13	2.5117E-12	0.25501	hyper	sig	chr11_2144422
chr9	1.37E+08	136738387	+	2.31E-13	2.5117E-12	-0.2341	hypo	sig	chr9_136738387
chr3	27728964	27728964	+	2.311E-13	2.5128E-12	0.205064	hyper	sig	chr3_27728964
chr10	93612688	93612688	+	2.311E-13	2.5129E-12	-0.20678	hypo	sig	chr10_93612688
chr1	9026419	9026419	+	2.312E-13	2.5137E-12	-0.22433	hypo	sig	chr1_9026419
chr2	1.63E+08	163348330	+	2.314E-13	2.516E-12	0.268611	hyper	sig	chr2_163348330
chr10	95231073	95231073	+	2.315E-13	2.5167E-12	0.25909	hyper	sig	chr10_95231073
chr8	38770361	38770361	+	2.315E-13	2.5167E-12	0.329361	hyper	sig	chr8_38770361
chr3	50193633	50193633	+	2.316E-13	2.5172E-12	0.322194	hyper	sig	chr3_50193633
chr4	55157802	55157802	+	2.316E-13	2.5173E-12	0.287335	hyper	sig	chr4_55157802
chr5	2753343	2753343	+	2.316E-13	2.5176E-12	0.22344	hyper	sig	chr5_2753343
chr19	36604822	36604822	+	2.317E-13	2.5188E-12	0.299194	hyper	sig	chr19_36604822
chr8	1.4E+08	140098972	+	2.317E-13	2.5191E-12	0.215345	hyper	sig	chr8_140098972
chr5	1.72E+08	171632359	+	2.318E-13	2.5195E-12	-0.2631	hypo	sig	chr5_171632359
chr17	7855500	7855500	+	2.319E-13	2.5202E-12	0.315332	hyper	sig	chr17_7855500
chr11	32438250	32438250	+	2.321E-13	2.5234E-12	0.251404	hyper	sig	chr11_32438250
chr1	52843001	52843001	+	2.322E-13	2.5235E-12	0.202842	hyper	sig	chr1_52843001

chr19	55452687	55452687	+	2.323E-13	2.5245E-12	0.34124	hyper	sig	chr19_55452687
chr2	2.01E+08	200586245	+	2.323E-13	2.5246E-12	0.244453	hyper	sig	chr2_200586245
chr11	2266653	2266653	+	2.323E-13	2.5249E-12	-0.24901	hypo	sig	chr11_2266653
chr8	22589637	22589637	+	2.323E-13	2.5249E-12	0.265622	hyper	sig	chr8_22589637
chr1	75133909	75133909	+	2.323E-13	2.5251E-12	0.223669	hyper	sig	chr1_75133909
chr14	60510655	60510655	+	2.324E-13	2.5263E-12	0.209413	hyper	sig	chr14_60510655
chr19	49210816	49210816	+	2.327E-13	2.5293E-12	0.219589	hyper	sig	chr19_49210816
chr13	1.12E+08	111534937	+	2.328E-13	2.5298E-12	0.242232	hyper	sig	chr13_111534937
chr1	48238053	48238053	+	2.329E-13	2.5312E-12	-0.22514	hypo	sig	chr1_48238053
chr22	49243799	49243799	+	2.334E-13	2.536E-12	-0.29067	hypo	sig	chr22_49243799
chr2	1.27E+08	127025209	+	2.335E-13	2.5377E-12	0.221148	hyper	sig	chr2_127025209
chr12	1.14E+08	113778643	+	2.336E-13	2.5381E-12	-0.23019	hypo	sig	chr12_113778643
chr1	9183541	9183541	+	2.336E-13	2.5382E-12	0.208095	hyper	sig	chr1_9183541
chr6	1.7E+08	170076902	+	2.338E-13	2.5405E-12	-0.26554	hypo	sig	chr6_170076902
chr20	62761351	62761351	+	2.339E-13	2.5413E-12	0.266578	hyper	sig	chr20_62761351
chr17	42784132	42784132	+	2.34E-13	2.5429E-12	0.220342	hyper	sig	chr17_42784132
chr16	57798318	57798318	+	2.342E-13	2.5449E-12	-0.21933	hypo	sig	chr16_57798318
chr3	1.29E+08	129046598	+	2.343E-13	2.5454E-12	0.233247	hyper	sig	chr3_129046598
chr17	7013790	7013790	+	2.348E-13	2.5507E-12	-0.31474	hypo	sig	chr17_7013790
chr5	1.41E+08	140796758	+	2.348E-13	2.5509E-12	0.240024	hyper	sig	chr5_140796758
chr5	1.73E+08	173244546	+	2.349E-13	2.5518E-12	0.289444	hyper	sig	chr5_173244546
chr16	1026207	1026207	+	2.349E-13	2.5526E-12	0.260157	hyper	sig	chr16_1026207
chr1	21817050	21817050	+	2.351E-13	2.5539E-12	-0.32074	hypo	sig	chr1_21817050
chr11	45650668	45650668	+	2.351E-13	2.554E-12	-0.24368	hypo	sig	chr11_45650668
chr12	5889031	5889031	+	2.353E-13	2.5561E-12	-0.21347	hypo	sig	chr12_5889031
chr3	1.82E+08	181727162	+	2.353E-13	2.5561E-12	0.200616	hyper	sig	chr3_181727162
chr18	55779968	55779968	+	2.354E-13	2.5569E-12	0.220635	hyper	sig	chr18_55779968
chr13	87677459	87677459	+	2.355E-13	2.5583E-12	0.337601	hyper	sig	chr13_87677459
chr11	7252504	7252504	+	2.356E-13	2.5595E-12	0.25137	hyper	sig	chr11_7252504
chr4	1212037	1212037	+	2.356E-13	2.5596E-12	0.303814	hyper	sig	chr4_1212037
chr16	166160	166160	+	2.357E-13	2.5606E-12	0.278168	hyper	sig	chr16_166160
chr18	22173425	22173425	+	2.358E-13	2.5617E-12	-0.27708	hypo	sig	chr18_22173425
chr5	1.41E+08	141240018	+	2.361E-13	2.5646E-12	0.227342	hyper	sig	chr5_141240018
chr1	17520330	17520330	+	2.362E-13	2.5659E-12	-0.22028	hypo	sig	chr1_17520330
chr5	10562921	10562921	+	2.363E-13	2.5661E-12	0.252629	hyper	sig	chr5_10562921
chr4	1047662	1047662	+	2.363E-13	2.5665E-12	-0.23773	hypo	sig	chr4_1047662
chr19	58204210	58204210	+	2.364E-13	2.5675E-12	0.296567	hyper	sig	chr19_58204210
chr2	2.41E+08	240728095	+	2.365E-13	2.5685E-12	-0.20869	hypo	sig	chr2_240728095
chr1	43284957	43284957	+	2.37E-13	2.574E-12	-0.21982	hypo	sig	chr1_43284957
chr4	8370913	8370913	+	2.371E-13	2.5753E-12	0.216098	hyper	sig	chr4_8370913
chr17	77371320	77371320	+	2.372E-13	2.5756E-12	0.264928	hyper	sig	chr17_77371320
chr3	1.84E+08	184337691	+	2.375E-13	2.5791E-12	0.287373	hyper	sig	chr3_184337691
chr9	91724663	91724663	+	2.376E-13	2.5807E-12	-0.2355	hypo	sig	chr9_91724663
chr5	1.81E+08	181174196	+	2.377E-13	2.5808E-12	0.269785	hyper	sig	chr5_181174196
chr3	1.33E+08	133038408	+	2.377E-13	2.5811E-12	0.247324	hyper	sig	chr3_133038408
chr7	1206392	1206392	+	2.377E-13	2.5816E-12	-0.31095	hypo	sig	chr7_1206392
chr19	8132999	8132999	+	2.378E-13	2.5826E-12	-0.25705	hypo	sig	chr19_8132999
chr13	1.11E+08	110506630	+	2.379E-13	2.5831E-12	-0.26992	hypo	sig	chr13_110506630
chr22	46390935	46390935	+	2.379E-13	2.5834E-12	-0.25687	hypo	sig	chr22_46390935
chr16	88133299	88133299	+	2.38E-13	2.5848E-12	-0.20114	hypo	sig	chr16_88133299
chr6	7468572	7468572	+	2.381E-13	2.5851E-12	-0.2589	hypo	sig	chr6_7468572
chr12	1.24E+08	123931661	+	2.381E-13	2.5851E-12	-0.20432	hypo	sig	chr12_123931661
chr3	1.39E+08	138939772	+	2.382E-13	2.5859E-12	0.226795	hyper	sig	chr3_138939772
chr19	41090218	41090218	+	2.382E-13	2.5865E-12	0.271701	hyper	sig	chr19_41090218
chr14	97219519	97219519	+	2.383E-13	2.5877E-12	0.222322	hyper	sig	chr14_97219519
chr11	1.34E+08	134381645	+	2.385E-13	2.5896E-12	-0.20462	hypo	sig	chr11_134381645

chr16	85302334	85302334	+	2.386E-13	2.5904E-12	-0.2018	hypo	sig	chr16_85302334
chr3	49800096	49800096	+	2.387E-13	2.5911E-12	-0.251	hypo	sig	chr3_49800096
chr7	5603217	5603217	+	2.387E-13	2.5912E-12	-0.20673	hypo	sig	chr7_5603217
chr1	2E+08	200038703	+	2.387E-13	2.5916E-12	0.336139	hyper	sig	chr1_200038703
chr22	39569490	39569490	+	2.389E-13	2.5933E-12	-0.20319	hypo	sig	chr22_39569490
chr6	1.7E+08	170098395	+	2.39E-13	2.5946E-12	-0.2458	hypo	sig	chr6_170098395
chr5	2197153	2197153	+	2.39E-13	2.5946E-12	0.231632	hyper	sig	chr5_2197153
chr22	17370980	17370980	+	2.39E-13	2.5947E-12	0.210772	hyper	sig	chr22_17370980
chr2	1.76E+08	176075563	+	2.39E-13	2.5948E-12	0.215603	hyper	sig	chr2_176075563
chr2	2.42E+08	241804178	+	2.392E-13	2.5966E-12	0.250258	hyper	sig	chr2_241804178
chr8	54455051	54455051	+	2.393E-13	2.5979E-12	0.253859	hyper	sig	chr8_54455051
chr16	51153896	51153896	+	2.394E-13	2.5982E-12	0.23939	hyper	sig	chr16_51153896
chr1	2.06E+08	205568673	+	2.395E-13	2.5996E-12	0.222734	hyper	sig	chr1_205568673
chr5	1.77E+08	177448183	+	2.395E-13	2.5999E-12	-0.25416	hypo	sig	chr5_177448183
chr8	1.13E+08	113438468	+	2.399E-13	2.6035E-12	0.244469	hyper	sig	chr8_113438468
chr3	72928924	72928924	+	2.399E-13	2.604E-12	0.23476	hyper	sig	chr3_72928924
chr11	31801067	31801067	+	2.399E-13	2.604E-12	0.31468	hyper	sig	chr11_31801067
chr7	64947284	64947284	+	2.4E-13	2.6046E-12	0.223958	hyper	sig	chr7_64947284
chr20	63274032	63274032	+	2.401E-13	2.6061E-12	-0.22724	hypo	sig	chr20_63274032
chr17	4900804	4900804	+	2.402E-13	2.6065E-12	0.288215	hyper	sig	chr17_4900804
chr16	54291714	54291714	+	2.402E-13	2.6069E-12	0.24615	hyper	sig	chr16_54291714
chr5	1.41E+08	140786413	+	2.403E-13	2.6077E-12	0.234742	hyper	sig	chr5_140786413
chr2	1.32E+08	131830031	+	2.403E-13	2.6083E-12	0.264905	hyper	sig	chr2_131830031
chr12	1.07E+08	106580591	+	2.404E-13	2.6088E-12	0.331094	hyper	sig	chr12_106580591
chr17	81445090	81445090	+	2.404E-13	2.6093E-12	-0.26548	hypo	sig	chr17_81445090
chr6	31728848	31728848	+	2.406E-13	2.6106E-12	0.289527	hyper	sig	chr6_31728848
chr19	50608139	50608139	+	2.407E-13	2.6116E-12	0.21169	hyper	sig	chr19_50608139
chr17	78645034	78645034	+	2.407E-13	2.6124E-12	-0.21527	hypo	sig	chr17_78645034
chr19	2478129	2478129	+	2.409E-13	2.6139E-12	0.215057	hyper	sig	chr19_2478129
chr6	71421123	71421123	+	2.409E-13	2.6139E-12	0.205565	hyper	sig	chr6_71421123
chr12	1.32E+08	132154541	+	2.41E-13	2.6148E-12	-0.2526	hypo	sig	chr12_132154541
chr1	27403424	27403424	+	2.41E-13	2.6148E-12	0.284665	hyper	sig	chr1_27403424
chr6	28816640	28816640	+	2.41E-13	2.6155E-12	0.226185	hyper	sig	chr6_28816640
chr17	60139252	60139252	+	2.411E-13	2.6162E-12	0.22517	hyper	sig	chr17_60139252
chr2	1.15E+08	115162404	+	2.413E-13	2.6179E-12	0.218081	hyper	sig	chr2_115162404
chr16	49587262	49587262	+	2.416E-13	2.6212E-12	-0.24299	hypo	sig	chr16_49587262
chr20	61769244	61769244	+	2.417E-13	2.6219E-12	-0.28134	hypo	sig	chr20_61769244
chr2	1.76E+08	176124825	+	2.417E-13	2.622E-12	-0.24955	hypo	sig	chr2_176124825
chr10	46578172	46578172	+	2.418E-13	2.6238E-12	0.342933	hyper	sig	chr10_46578172
chr11	1.11E+08	111298702	+	2.42E-13	2.6252E-12	0.236218	hyper	sig	chr11_111298702
chr13	1.14E+08	114046701	+	2.422E-13	2.6278E-12	-0.29531	hypo	sig	chr13_114046701
chr6	1.67E+08	167267910	+	2.422E-13	2.6279E-12	-0.28893	hypo	sig	chr6_167267910
chr19	56671682	56671682	+	2.426E-13	2.6313E-12	0.261637	hyper	sig	chr19_56671682
chr9	1.37E+08	136986053	+	2.426E-13	2.6319E-12	0.272595	hyper	sig	chr9_136986053
chr4	1.85E+08	185021128	+	2.426E-13	2.632E-12	0.234602	hyper	sig	chr4_185021128
chr10	1.33E+08	133204331	+	2.427E-13	2.633E-12	-0.24864	hypo	sig	chr10_133204331
chr7	27160048	27160048	+	2.427E-13	2.633E-12	-0.25622	hypo	sig	chr7_27160048
chr4	1.07E+08	107037301	+	2.428E-13	2.6342E-12	0.236852	hyper	sig	chr4_107037301
chr12	7640076	7640076	+	2.429E-13	2.6351E-12	0.25742	hyper	sig	chr12_7640076
chr10	26218457	26218457	+	2.431E-13	2.6367E-12	0.241423	hyper	sig	chr10_26218457
chr1	2428635	2428635	+	2.431E-13	2.6369E-12	-0.25201	hypo	sig	chr1_2428635
chr4	55793756	55793756	+	2.431E-13	2.6373E-12	0.269266	hyper	sig	chr4_55793756
chr15	92394130	92394130	+	2.432E-13	2.6383E-12	0.223208	hyper	sig	chr15_92394130
chr15	25194346	25194346	+	2.434E-13	2.6394E-12	-0.30362	hypo	sig	chr15_25194346
chr15	37097288	37097288	+	2.435E-13	2.6404E-12	0.22437	hyper	sig	chr15_37097288
chr21	36704917	36704917	+	2.435E-13	2.6407E-12	0.314639	hyper	sig	chr21_36704917

chr17	7447082	7447082	+	2.435E-13	2.6408E-12	0.241438	hyper	sig	chr17_7447082
chr13	1.12E+08	112067355	+	2.436E-13	2.642E-12	0.237174	hyper	sig	chr13_112067355
chr12	53945197	53945197	+	2.437E-13	2.6428E-12	0.212975	hyper	sig	chr12_53945197
chr13	50127842	50127842	+	2.439E-13	2.6453E-12	0.265449	hyper	sig	chr13_50127842
chr19	2428356	2428356	+	2.442E-13	2.6478E-12	0.215639	hyper	sig	chr19_2428356
chr2	2.42E+08	241843109	+	2.442E-13	2.648E-12	-0.22889	hypo	sig	chr2_241843109
chr11	67409825	67409825	+	2.443E-13	2.6488E-12	-0.26831	hypo	sig	chr11_67409825
chr7	2019789	2019789	+	2.443E-13	2.6496E-12	-0.2668	hypo	sig	chr7_2019789
chr3	46883689	46883689	+	2.444E-13	2.6502E-12	0.209071	hyper	sig	chr3_46883689
chr8	98949743	98949743	+	2.444E-13	2.6503E-12	0.245112	hyper	sig	chr8_98949743
chr20	50959636	50959636	+	2.446E-13	2.6522E-12	0.290094	hyper	sig	chr20_50959636
chr13	1.13E+08	113419993	+	2.447E-13	2.6531E-12	-0.38545	hypo	sig	chr13_113419993
chr19	57317754	57317754	+	2.447E-13	2.6531E-12	0.242329	hyper	sig	chr19_57317754
chr14	37622297	37622297	+	2.448E-13	2.6544E-12	0.259912	hyper	sig	chr14_37622297
chr8	1.09E+08	108786926	+	2.45E-13	2.6567E-12	0.248801	hyper	sig	chr8_108786926
chr10	1.2E+08	119542313	+	2.452E-13	2.6585E-12	0.216792	hyper	sig	chr10_119542313
chr7	1.56E+08	155997727	+	2.455E-13	2.661E-12	0.210822	hyper	sig	chr7_155997727
chr2	50347486	50347486	+	2.456E-13	2.6626E-12	0.217336	hyper	sig	chr2_50347486
chr2	2.36E+08	235605803	+	2.458E-13	2.6643E-12	0.2669	hyper	sig	chr2_235605803
chr8	64374025	64374025	+	2.461E-13	2.6674E-12	0.357868	hyper	sig	chr8_64374025
chr2	2.38E+08	238128872	+	2.461E-13	2.6677E-12	-0.245	hypo	sig	chr2_238128872
chr6	89218149	89218149	+	2.462E-13	2.6684E-12	-0.20189	hypo	sig	chr6_89218149
chr5	1.41E+08	141239878	+	2.462E-13	2.6688E-12	0.226421	hyper	sig	chr5_141239878
chr2	1.3E+08	130006055	+	2.463E-13	2.6695E-12	0.214818	hyper	sig	chr2_130006055
chr2	63057002	63057002	+	2.463E-13	2.6699E-12	0.242926	hyper	sig	chr2_63057002
chr10	1.28E+08	127736959	+	2.464E-13	2.6706E-12	0.356268	hyper	sig	chr10_127736959
chr7	1.58E+08	158487696	+	2.464E-13	2.671E-12	0.310512	hyper	sig	chr7_158487696
chr2	63057439	63057439	+	2.464E-13	2.6712E-12	0.239321	hyper	sig	chr2_63057439
chr2	25276895	25276895	+	2.466E-13	2.6728E-12	0.293695	hyper	sig	chr2_25276895
chr4	15787609	15787609	+	2.466E-13	2.6732E-12	-0.20002	hypo	sig	chr4_15787609
chr12	4562534	4562534	+	2.467E-13	2.6739E-12	0.230971	hyper	sig	chr12_4562534
chr13	1.13E+08	113364854	+	2.467E-13	2.6741E-12	0.261167	hyper	sig	chr13_113364854
chr10	27243316	27243316	+	2.467E-13	2.6741E-12	-0.20625	hypo	sig	chr10_27243316
chr7	27110754	27110754	+	2.467E-13	2.6741E-12	0.225318	hyper	sig	chr7_27110754
chr6	1.61E+08	161139988	+	2.468E-13	2.6745E-12	-0.24934	hypo	sig	chr6_161139988
chr2	31580148	31580148	+	2.469E-13	2.6759E-12	0.275851	hyper	sig	chr2_31580148
chr2	94998616	94998616	+	2.47E-13	2.6767E-12	0.313909	hyper	sig	chr2_94998616
chr11	46296054	46296054	+	2.472E-13	2.6783E-12	0.365044	hyper	sig	chr11_46296054
chr1	2.48E+08	247639340	+	2.472E-13	2.6786E-12	0.298573	hyper	sig	chr1_247639340
chr8	1.42E+08	141682299	+	2.472E-13	2.6788E-12	0.220235	hyper	sig	chr8_141682299
chr7	1230965	1230965	+	2.474E-13	2.6806E-12	0.274222	hyper	sig	chr7_1230965
chr17	35374252	35374252	+	2.475E-13	2.6815E-12	0.201128	hyper	sig	chr17_35374252
chr1	2.36E+08	236396365	+	2.475E-13	2.6819E-12	0.225229	hyper	sig	chr1_236396365
chr11	69480239	69480239	+	2.476E-13	2.6831E-12	-0.2013	hypo	sig	chr11_69480239
chr16	29785312	29785312	+	2.476E-13	2.6831E-12	0.228981	hyper	sig	chr16_29785312
chr10	1.01E+08	101140639	+	2.478E-13	2.6847E-12	0.297057	hyper	sig	chr10_101140639
chr11	32437207	32437207	+	2.481E-13	2.6875E-12	0.204299	hyper	sig	chr11_32437207
chr4	7287766	7287766	+	2.481E-13	2.688E-12	-0.27273	hypo	sig	chr4_7287766
chr13	35471014	35471014	+	2.482E-13	2.6895E-12	0.312994	hyper	sig	chr13_35471014
chr22	17842772	17842772	+	2.486E-13	2.6938E-12	-0.27175	hypo	sig	chr22_17842772
chr19	34905560	34905560	+	2.487E-13	2.6945E-12	0.253023	hyper	sig	chr19_34905560
chr14	92527894	92527894	+	2.487E-13	2.6946E-12	0.230134	hyper	sig	chr14_92527894
chr7	4178595	4178595	+	2.488E-13	2.6951E-12	-0.25792	hypo	sig	chr7_4178595
chr8	96327960	96327960	+	2.488E-13	2.6954E-12	-0.2218	hypo	sig	chr8_96327960
chr11	65559685	65559685	+	2.489E-13	2.6963E-12	0.221836	hyper	sig	chr11_65559685
chr11	65585180	65585180	+	2.494E-13	2.7017E-12	0.318883	hyper	sig	chr11_65585180

chr7	99580041	99580041	+	2.494E-13	2.7017E-12	0.264707	hyper	sig	chr7_99580041
chr21	45005024	45005024	+	2.497E-13	2.7044E-12	-0.2447	hypo	sig	chr21_45005024
chr5	1.41E+08	141366655	+	2.498E-13	2.7061E-12	0.223431	hyper	sig	chr5_141366655
chr2	2.08E+08	208112288	+	2.499E-13	2.7066E-12	0.30086	hyper	sig	chr2_208112288
chr1	2.31E+08	231336317	+	2.501E-13	2.7088E-12	-0.2182	hypo	sig	chr1_231336317
chr5	17032696	17032696	+	2.503E-13	2.7107E-12	-0.21991	hypo	sig	chr5_17032696
chr11	39333383	39333383	+	2.505E-13	2.7138E-12	-0.2493	hypo	sig	chr11_39333383
chr5	1859693	1859693	+	2.508E-13	2.7165E-12	-0.20601	hypo	sig	chr5_1859693
chr10	99534453	99534453	+	2.511E-13	2.7194E-12	0.29065	hyper	sig	chr10_99534453
chr12	1.01E+08	101209689	+	2.511E-13	2.7199E-12	0.229907	hyper	sig	chr12_101209689
chr2	97713451	97713451	+	2.512E-13	2.7201E-12	-0.20391	hypo	sig	chr2_97713451
chr4	92182649	92182649	+	2.512E-13	2.721E-12	-0.21556	hypo	sig	chr4_92182649
chr4	1524597	1524597	+	2.513E-13	2.7211E-12	-0.35763	hypo	sig	chr4_1524597
chr11	6571355	6571355	+	2.516E-13	2.7242E-12	0.232628	hyper	sig	chr11_6571355
chr11	1.29E+08	128687055	+	2.517E-13	2.7252E-12	0.20584	hyper	sig	chr11_128687055
chr1	1.97E+08	196878063	+	2.517E-13	2.726E-12	0.22329	hyper	sig	chr1_196878063
chr16	3184007	3184007	+	2.521E-13	2.7299E-12	0.288133	hyper	sig	chr16_3184007
chr19	33626356	33626356	+	2.521E-13	2.7301E-12	-0.21176	hypo	sig	chr19_33626356
chr12	85278025	85278025	+	2.522E-13	2.731E-12	0.217085	hyper	sig	chr12_85278025
chr11	90134651	90134651	+	2.523E-13	2.7316E-12	0.210953	hyper	sig	chr11_90134651
chr11	1.26E+08	126431109	+	2.523E-13	2.7319E-12	-0.22524	hypo	sig	chr11_126431109
chr2	74549731	74549731	+	2.525E-13	2.7334E-12	-0.21776	hypo	sig	chr2_74549731
chr11	1.2E+08	119604252	+	2.527E-13	2.7356E-12	-0.26619	hypo	sig	chr11_119604252
chr12	42145710	42145710	+	2.527E-13	2.736E-12	-0.23702	hypo	sig	chr12_42145710
chr2	1.44E+08	143937575	+	2.528E-13	2.7364E-12	0.215179	hyper	sig	chr2_143937575
chr12	53938397	53938397	+	2.529E-13	2.7379E-12	0.290127	hyper	sig	chr12_53938397
chr11	75717882	75717882	+	2.532E-13	2.7416E-12	-0.20893	hypo	sig	chr11_75717882
chr3	80314738	80314738	+	2.534E-13	2.743E-12	-0.24612	hypo	sig	chr3_80314738
chr10	75405040	75405040	+	2.535E-13	2.7437E-12	-0.23524	hypo	sig	chr10_75405040
chr13	94601387	94601387	+	2.535E-13	2.7443E-12	0.224493	hyper	sig	chr13_94601387
chr5	404918	404918	+	2.538E-13	2.7467E-12	-0.20794	hypo	sig	chr5_404918
chr4	1.13E+08	113292911	+	2.538E-13	2.7471E-12	0.237335	hyper	sig	chr4_113292911
chr10	1.32E+08	132295119	+	2.541E-13	2.7505E-12	-0.22307	hypo	sig	chr10_132295119
chr1	920328	920328	+	2.541E-13	2.7505E-12	-0.23397	hypo	sig	chr1_920328
chr12	1.32E+08	132261056	+	2.542E-13	2.7519E-12	-0.24843	hypo	sig	chr12_132261056
chr12	1.19E+08	119153908	+	2.547E-13	2.7569E-12	0.30563	hyper	sig	chr12_119153908
chr16	12903632	12903632	+	2.548E-13	2.7579E-12	0.237884	hyper	sig	chr16_12903632
chr2	1.31E+08	130840023	+	2.549E-13	2.759E-12	-0.26073	hypo	sig	chr2_130840023
chr2	1.19E+08	118842886	+	2.549E-13	2.759E-12	0.235713	hyper	sig	chr2_118842886
chr5	7983486	7983486	+	2.55E-13	2.7597E-12	-0.20509	hypo	sig	chr5_7983486
chr5	1.57E+08	156850549	+	2.55E-13	2.7602E-12	0.208558	hyper	sig	chr5_156850549
chr17	35752960	35752960	+	2.551E-13	2.7604E-12	0.206852	hyper	sig	chr17_35752960
chr13	94601369	94601369	+	2.552E-13	2.7623E-12	0.258764	hyper	sig	chr13_94601369
chr10	1199646	1199646	+	2.553E-13	2.7627E-12	-0.25082	hypo	sig	chr10_1199646
chr2	68320928	68320928	+	2.555E-13	2.7649E-12	-0.26257	hypo	sig	chr2_68320928
chr20	21608433	21608433	+	2.555E-13	2.765E-12	-0.30171	hypo	sig	chr20_21608433
chr13	1.08E+08	108495573	+	2.556E-13	2.7655E-12	0.289977	hyper	sig	chr13_108495573
chr12	1.14E+08	113669907	+	2.556E-13	2.7656E-12	0.227823	hyper	sig	chr12_113669907
chr5	1.41E+08	141399833	+	2.556E-13	2.7656E-12	0.222792	hyper	sig	chr5_141399833
chr2	47155313	47155313	+	2.556E-13	2.7661E-12	0.239321	hyper	sig	chr2_47155313
chr11	2805515	2805515	+	2.557E-13	2.7667E-12	-0.23449	hypo	sig	chr11_2805515
chr1	37764611	37764611	+	2.559E-13	2.7691E-12	0.303035	hyper	sig	chr1_37764611
chr15	52788204	52788204	+	2.561E-13	2.7715E-12	0.269357	hyper	sig	chr15_52788204
chr12	34393865	34393865	+	2.562E-13	2.7717E-12	-0.24827	hypo	sig	chr12_34393865
chr18	46072679	46072679	+	2.564E-13	2.7739E-12	0.240185	hyper	sig	chr18_46072679
chr8	57143655	57143655	+	2.564E-13	2.7742E-12	0.271744	hyper	sig	chr8_57143655

chr1	1.53E+08	152827466	+	2.565E-13	2.7749E-12	-0.22245	hypo	sig	chr1_152827466
chr7	65250916	65250916	+	2.566E-13	2.7766E-12	-0.22151	hypo	sig	chr7_65250916
chr19	15511935	15511935	+	2.567E-13	2.7774E-12	-0.27313	hypo	sig	chr19_15511935
chr5	1295622	1295622	+	2.567E-13	2.7774E-12	0.247456	hyper	sig	chr5_1295622
chr19	50666456	50666456	+	2.568E-13	2.7778E-12	0.330777	hyper	sig	chr19_50666456
chr1	1.55E+08	154869474	+	2.569E-13	2.7791E-12	0.289356	hyper	sig	chr1_154869474
chr16	68449009	68449009	+	2.57E-13	2.78E-12	0.214296	hyper	sig	chr16_68449009
chr11	65607517	65607517	+	2.57E-13	2.7803E-12	0.233141	hyper	sig	chr11_65607517
chr1	2.31E+08	231335758	+	2.57E-13	2.7803E-12	-0.23201	hypo	sig	chr1_231335758
chr4	1.87E+08	187335427	+	2.574E-13	2.7848E-12	-0.24546	hypo	sig	chr4_187335427
chr6	1.08E+08	108165232	+	2.575E-13	2.7855E-12	0.285981	hyper	sig	chr6_108165232
chr10	1.23E+08	122640877	+	2.576E-13	2.7868E-12	-0.23421	hypo	sig	chr10_122640877
chr9	1.19E+08	119369869	+	2.577E-13	2.7874E-12	0.270941	hyper	sig	chr9_119369869
chr18	79797182	79797182	+	2.578E-13	2.789E-12	0.28948	hyper	sig	chr18_79797182
chr6	30358037	30358037	+	2.578E-13	2.789E-12	0.24398	hyper	sig	chr6_30358037
chr10	95184085	95184085	+	2.58E-13	2.7901E-12	-0.21843	hypo	sig	chr10_95184085
chr14	1.04E+08	104304153	+	2.58E-13	2.7902E-12	-0.33438	hypo	sig	chr14_104304153
chr11	31799671	31799671	+	2.581E-13	2.7921E-12	0.364944	hyper	sig	chr11_31799671
chr19	34577974	34577974	+	2.582E-13	2.7926E-12	0.325585	hyper	sig	chr19_34577974
chr12	1.31E+08	131028874	+	2.583E-13	2.7939E-12	-0.25519	hypo	sig	chr12_131028874
chr1	10400148	10400148	+	2.583E-13	2.7939E-12	-0.24963	hypo	sig	chr1_10400148
chr21	32772831	32772831	+	2.584E-13	2.7947E-12	-0.30241	hypo	sig	chr21_32772831
chr1	11531755	11531755	+	2.585E-13	2.7953E-12	-0.25313	hypo	sig	chr1_11531755
chr4	1.74E+08	173524141	+	2.586E-13	2.7965E-12	0.310496	hyper	sig	chr4_173524141
chr2	778803	778803	+	2.587E-13	2.7972E-12	-0.26731	hypo	sig	chr2_778803
chr7	1244399	1244399	+	2.587E-13	2.7974E-12	0.262489	hyper	sig	chr7_1244399
chr19	15224000	15224000	+	2.588E-13	2.7987E-12	0.291558	hyper	sig	chr19_15224000
chr19	36058890	36058890	+	2.589E-13	2.7996E-12	-0.21169	hypo	sig	chr19_36058890
chr7	4833541	4833541	+	2.589E-13	2.8E-12	-0.20438	hypo	sig	chr7_4833541
chr2	1.28E+08	127664819	+	2.59E-13	2.8009E-12	0.256639	hyper	sig	chr2_127664819
chr6	31766112	31766112	+	2.59E-13	2.8011E-12	0.226334	hyper	sig	chr6_31766112
chr10	26213210	26213210	+	2.591E-13	2.8021E-12	0.254246	hyper	sig	chr10_26213210
chr19	46471789	46471789	+	2.592E-13	2.8023E-12	0.233509	hyper	sig	chr19_46471789
chr2	1.32E+08	131646998	+	2.592E-13	2.8025E-12	0.243186	hyper	sig	chr2_131646998
chr13	1.11E+08	111320572	+	2.593E-13	2.804E-12	-0.22634	hypo	sig	chr13_111320572
chr13	1.14E+08	113583342	+	2.593E-13	2.804E-12	-0.25622	hypo	sig	chr13_113583342
chr8	13083715	13083715	+	2.594E-13	2.805E-12	-0.24519	hypo	sig	chr8_13083715
chr8	38468852	38468852	+	2.596E-13	2.8062E-12	0.237643	hyper	sig	chr8_38468852
chr16	89343810	89343810	+	2.596E-13	2.8064E-12	-0.24427	hypo	sig	chr16_89343810
chr2	1.27E+08	126889086	+	2.598E-13	2.8084E-12	-0.23623	hypo	sig	chr2_126889086
chr5	1.41E+08	141352388	+	2.602E-13	2.8127E-12	0.264235	hyper	sig	chr5_141352388
chr5	1.41E+08	141385097	+	2.602E-13	2.8129E-12	0.201542	hyper	sig	chr5_141385097
chr17	79890336	79890336	+	2.603E-13	2.8138E-12	0.200085	hyper	sig	chr17_79890336
chr11	1.21E+08	120660185	+	2.603E-13	2.8144E-12	-0.24006	hypo	sig	chr11_120660185
chr5	1.23E+08	123099982	+	2.603E-13	2.8144E-12	-0.25462	hypo	sig	chr5_123099982
chr19	57600217	57600217	+	2.606E-13	2.8175E-12	0.253286	hyper	sig	chr19_57600217
chr18	57428361	57428361	+	2.607E-13	2.8184E-12	0.305558	hyper	sig	chr18_57428361
chr10	15719536	15719536	+	2.61E-13	2.821E-12	0.25561	hyper	sig	chr10_15719536
chr14	91352381	91352381	+	2.61E-13	2.821E-12	0.264496	hyper	sig	chr14_91352381
chr16	7304368	7304368	+	2.61E-13	2.8211E-12	0.223427	hyper	sig	chr16_7304368
chr16	86444043	86444043	+	2.612E-13	2.8235E-12	-0.25511	hypo	sig	chr16_86444043
chr5	1.41E+08	141189544	+	2.613E-13	2.8241E-12	0.230046	hyper	sig	chr5_141189544
chr2	42567988	42567988	+	2.613E-13	2.8243E-12	0.353529	hyper	sig	chr2_42567988
chr1	50416355	50416355	+	2.615E-13	2.8257E-12	0.314725	hyper	sig	chr1_50416355
chr2	1843053	1843053	+	2.615E-13	2.8262E-12	-0.22956	hypo	sig	chr2_1843053
chr16	86508120	86508120	+	2.615E-13	2.8263E-12	0.211746	hyper	sig	chr16_86508120

chr5	1.72E+08	172107712	+	2.615E-13	2.8263E-12	0.223794	hyper	sig	chr5_172107712
chr5	1.77E+08	177474452	+	2.616E-13	2.8268E-12	0.235195	hyper	sig	chr5_177474452
chr1	18481035	18481035	+	2.618E-13	2.8294E-12	-0.22967	hypo	sig	chr1_18481035
chr17	58535001	58535001	+	2.62E-13	2.831E-12	-0.2368	hypo	sig	chr17_58535001
chr5	1.41E+08	141376221	+	2.622E-13	2.8338E-12	0.313726	hyper	sig	chr5_141376221
chr5	1.41E+08	140869205	+	2.623E-13	2.8343E-12	0.230172	hyper	sig	chr5_140869205
chr5	1.71E+08	171313949	+	2.627E-13	2.8382E-12	0.243177	hyper	sig	chr5_171313949
chr22	21632671	21632671	+	2.629E-13	2.8405E-12	-0.26719	hypo	sig	chr22_21632671
chr6	25732644	25732644	+	2.629E-13	2.8408E-12	0.206785	hyper	sig	chr6_25732644
chr5	73301196	73301196	+	2.629E-13	2.8408E-12	0.213028	hyper	sig	chr5_73301196
chr11	1.21E+08	121130018	+	2.629E-13	2.8411E-12	-0.21592	hypo	sig	chr11_121130018
chr1	2.06E+08	205679214	+	2.631E-13	2.8425E-12	-0.21984	hypo	sig	chr1_205679214
chr11	66049079	66049079	+	2.635E-13	2.8472E-12	0.241945	hyper	sig	chr11_66049079
chr2	50347548	50347548	+	2.635E-13	2.8476E-12	0.202199	hyper	sig	chr2_50347548
chr14	67622782	67622782	+	2.636E-13	2.8482E-12	0.216976	hyper	sig	chr14_67622782
chr5	64507170	64507170	+	2.637E-13	2.8497E-12	0.302291	hyper	sig	chr5_64507170
chr7	27122726	27122726	+	2.639E-13	2.851E-12	-0.23846	hypo	sig	chr7_27122726
chr7	97024624	97024624	+	2.639E-13	2.851E-12	0.226105	hyper	sig	chr7_97024624
chr7	1.53E+08	152896478	+	2.64E-13	2.8518E-12	-0.23368	hypo	sig	chr7_152896478
chr9	94554894	94554894	+	2.647E-13	2.8593E-12	-0.22404	hypo	sig	chr9_94554894
chr20	3236094	3236094	+	2.649E-13	2.8618E-12	-0.23772	hypo	sig	chr20_3236094
chr5	1.73E+08	172769736	+	2.649E-13	2.8618E-12	0.20473	hyper	sig	chr5_172769736
chr17	83075864	83075864	+	2.65E-13	2.8626E-12	-0.231	hypo	sig	chr17_83075864
chr5	1.35E+08	135040827	+	2.65E-13	2.863E-12	0.215809	hyper	sig	chr5_135040827
chr10	1.01E+08	100829843	+	2.653E-13	2.8654E-12	0.287789	hyper	sig	chr10_100829843
chr7	4886182	4886182	+	2.653E-13	2.8656E-12	-0.31298	hypo	sig	chr7_4886182
chr5	39716669	39716669	+	2.654E-13	2.8665E-12	-0.23147	hypo	sig	chr5_39716669
chr9	94332724	94332724	+	2.654E-13	2.8675E-12	0.279581	hyper	sig	chr9_94332724
chr4	1.11E+08	110633868	+	2.655E-13	2.8684E-12	0.287821	hyper	sig	chr4_110633868
chr4	1.11E+08	110629721	+	2.657E-13	2.8701E-12	0.239716	hyper	sig	chr4_110629721
chr16	85812205	85812205	+	2.658E-13	2.8707E-12	0.220506	hyper	sig	chr16_85812205
chr13	87677542	87677542	+	2.658E-13	2.8715E-12	0.268105	hyper	sig	chr13_87677542
chr7	4136265	4136265	+	2.659E-13	2.8721E-12	-0.20777	hypo	sig	chr7_4136265
chr17	44212446	44212446	+	2.659E-13	2.8725E-12	0.239256	hyper	sig	chr17_44212446
chr5	1107033	1107033	+	2.661E-13	2.8743E-12	-0.2472	hypo	sig	chr5_1107033
chr10	697441	697441	+	2.661E-13	2.8746E-12	-0.2417	hypo	sig	chr10_697441
chr11	1.06E+08	105610565	+	2.663E-13	2.8758E-12	0.206931	hyper	sig	chr11_105610565
chr8	1.45E+08	144714081	+	2.663E-13	2.8759E-12	0.290293	hyper	sig	chr8_144714081
chr21	45920165	45920165	+	2.663E-13	2.8764E-12	-0.27172	hypo	sig	chr21_45920165
chr5	1.41E+08	140786983	+	2.665E-13	2.8777E-12	0.215007	hyper	sig	chr5_140786983
chr19	31354048	31354048	+	2.665E-13	2.8778E-12	-0.24231	hypo	sig	chr19_31354048
chr5	1.8E+08	179966977	+	2.666E-13	2.879E-12	-0.24216	hypo	sig	chr5_179966977
chr12	57236615	57236615	+	2.666E-13	2.8796E-12	0.261333	hyper	sig	chr12_57236615
chr19	56507314	56507314	+	2.671E-13	2.8841E-12	0.259056	hyper	sig	chr19_56507314
chr8	1974949	1974949	+	2.672E-13	2.8856E-12	0.209559	hyper	sig	chr8_1974949
chr16	85534866	85534866	+	2.674E-13	2.8874E-12	0.229117	hyper	sig	chr16_85534866
chr8	1.17E+08	116950270	+	2.676E-13	2.8895E-12	-0.2001	hypo	sig	chr8_116950270
chr10	1.32E+08	132118014	+	2.676E-13	2.8897E-12	-0.31369	hypo	sig	chr10_132118014
chr6	1.06E+08	105981616	+	2.677E-13	2.8905E-12	0.237142	hyper	sig	chr6_105981616
chr19	1009781	1009781	+	2.679E-13	2.8927E-12	0.218205	hyper	sig	chr19_1009781
chr5	80034878	80034878	+	2.68E-13	2.8934E-12	0.24128	hyper	sig	chr5_80034878
chr6	36120603	36120603	+	2.681E-13	2.8945E-12	-0.26054	hypo	sig	chr6_36120603
chr7	1.51E+08	151199450	+	2.682E-13	2.8956E-12	0.287292	hyper	sig	chr7_151199450
chr10	2083684	2083684	+	2.684E-13	2.8979E-12	-0.21268	hypo	sig	chr10_2083684
chr4	3744723	3744723	+	2.684E-13	2.898E-12	0.275277	hyper	sig	chr4_3744723
chr14	1.04E+08	104094177	+	2.685E-13	2.899E-12	-0.28065	hypo	sig	chr14_104094177

chr3	6862908	6862908	+	2.686E-13	2.8999E-12	0.336305	hyper	sig	chr3_6862908
chr2	2.39E+08	239247140	+	2.687E-13	2.9012E-12	-0.22886	hypo	sig	chr2_239247140
chr19	11538907	11538907	+	2.689E-13	2.9028E-12	0.222591	hyper	sig	chr19_11538907
chr9	1.25E+08	124502907	+	2.689E-13	2.9031E-12	0.360966	hyper	sig	chr9_124502907
chr1	2.31E+08	230849957	+	2.69E-13	2.9042E-12	0.291377	hyper	sig	chr1_230849957
chr8	1.44E+08	144108071	+	2.693E-13	2.9073E-12	0.229909	hyper	sig	chr8_144108071
chr6	1.01E+08	101398740	+	2.693E-13	2.9075E-12	0.239468	hyper	sig	chr6_101398740
chr3	62373305	62373305	+	2.696E-13	2.9105E-12	0.239196	hyper	sig	chr3_62373305
chr10	22928244	22928244	+	2.696E-13	2.9107E-12	0.256103	hyper	sig	chr10_22928244
chr7	73831673	73831673	+	2.696E-13	2.9107E-12	-0.26548	hypo	sig	chr7_73831673
chr1	12558544	12558544	+	2.696E-13	2.9107E-12	-0.22929	hypo	sig	chr1_12558544
chr16	66579305	66579305	+	2.696E-13	2.9108E-12	0.207795	hyper	sig	chr16_66579305
chr1	14930023	14930023	+	2.697E-13	2.9109E-12	-0.24443	hypo	sig	chr1_14930023
chr1	2.07E+08	207495947	+	2.697E-13	2.9109E-12	0.254313	hyper	sig	chr1_207495947
chr10	1.05E+08	104641533	+	2.697E-13	2.9111E-12	0.237271	hyper	sig	chr10_104641533
chr8	1510342	1510342	+	2.699E-13	2.9132E-12	-0.22975	hypo	sig	chr8_1510342
chr2	10432304	10432304	+	2.7E-13	2.9141E-12	-0.21735	hypo	sig	chr2_10432304
chr4	8370916	8370916	+	2.7E-13	2.9144E-12	0.222256	hyper	sig	chr4_8370916
chr12	85280719	85280719	+	2.701E-13	2.9152E-12	0.215531	hyper	sig	chr12_85280719
chr20	49910206	49910206	+	2.702E-13	2.9158E-12	-0.23364	hypo	sig	chr20_49910206
chr20	64062665	64062665	+	2.702E-13	2.9164E-12	0.266051	hyper	sig	chr20_64062665
chr12	18040494	18040494	+	2.704E-13	2.918E-12	-0.25681	hypo	sig	chr12_18040494
chr8	1.4E+08	139703477	+	2.706E-13	2.9205E-12	0.332123	hyper	sig	chr8_139703477
chr6	1.08E+08	108176769	+	2.707E-13	2.9211E-12	0.203562	hyper	sig	chr6_108176769
chr11	49892025	49892025	+	2.707E-13	2.9212E-12	0.280562	hyper	sig	chr11_49892025
chr1	91805010	91805010	+	2.707E-13	2.9213E-12	-0.20246	hypo	sig	chr1_91805010
chr5	3599617	3599617	+	2.707E-13	2.9213E-12	0.275524	hyper	sig	chr5_3599617
chr12	1.31E+08	130793126	+	2.708E-13	2.9224E-12	0.258806	hyper	sig	chr12_130793126
chr17	19533610	19533610	+	2.71E-13	2.9238E-12	0.205659	hyper	sig	chr17_19533610
chr1	20185238	20185238	+	2.71E-13	2.9242E-12	-0.26176	hypo	sig	chr1_20185238
chr14	1.04E+08	104088521	+	2.71E-13	2.9245E-12	-0.24092	hypo	sig	chr14_104088521
chr16	29289213	29289213	+	2.711E-13	2.9248E-12	-0.24378	hypo	sig	chr16_29289213
chr16	4679988	4679988	+	2.712E-13	2.9259E-12	-0.24834	hypo	sig	chr16_4679988
chr16	29785247	29785247	+	2.712E-13	2.9259E-12	0.233822	hyper	sig	chr16_29785247
chr21	33025844	33025844	+	2.712E-13	2.9259E-12	0.264592	hyper	sig	chr21_33025844
chr17	35449710	35449710	+	2.713E-13	2.9272E-12	0.251693	hyper	sig	chr17_35449710
chr5	1.41E+08	141415475	+	2.715E-13	2.9292E-12	0.21327	hyper	sig	chr5_141415475
chr7	212031	212031	+	2.715E-13	2.9296E-12	-0.30073	hypo	sig	chr7_212031
chr2	42492785	42492785	+	2.716E-13	2.9303E-12	0.372462	hyper	sig	chr2_42492785
chr5	1.41E+08	141303838	+	2.717E-13	2.9315E-12	0.255713	hyper	sig	chr5_141303838
chr10	1.01E+08	101291408	+	2.719E-13	2.9336E-12	0.224227	hyper	sig	chr10_101291408
chr19	12194761	12194761	+	2.721E-13	2.9353E-12	0.240386	hyper	sig	chr19_12194761
chr7	1.56E+08	156102914	+	2.721E-13	2.9358E-12	-0.20989	hypo	sig	chr7_156102914
chr6	1.5E+08	149964441	+	2.723E-13	2.9373E-12	0.201709	hyper	sig	chr6_149964441
chr15	76995049	76995049	+	2.724E-13	2.9382E-12	-0.34983	hypo	sig	chr15_76995049
chr7	8434936	8434936	+	2.724E-13	2.9387E-12	0.254352	hyper	sig	chr7_8434936
chr1	1.11E+08	110674831	+	2.724E-13	2.9387E-12	0.390933	hyper	sig	chr1_110674831
chr10	771219	771219	+	2.725E-13	2.9398E-12	-0.21722	hypo	sig	chr10_771219
chr15	29136434	29136434	+	2.726E-13	2.9404E-12	-0.23529	hypo	sig	chr15_29136434
chr12	1.07E+08	106586461	+	2.727E-13	2.9418E-12	0.239529	hyper	sig	chr12_106586461
chr11	2807407	2807407	+	2.73E-13	2.9446E-12	0.255982	hyper	sig	chr11_2807407
chr18	8800285	8800285	+	2.73E-13	2.9451E-12	0.204489	hyper	sig	chr18_8800285
chr13	1.12E+08	111972611	+	2.732E-13	2.9466E-12	0.226572	hyper	sig	chr13_111972611
chr13	20946220	20946220	+	2.732E-13	2.9468E-12	0.283955	hyper	sig	chr13_20946220
chr17	848106	848106	+	2.733E-13	2.9473E-12	-0.25987	hypo	sig	chr17_848106
chr11	95092931	95092931	+	2.733E-13	2.9475E-12	-0.29882	hypo	sig	chr11_95092931

chr1	1.68E+08	167628280	+	2.735E-13	2.9499E-12	-0.26989	hypo	sig	chr1_167628280
chr11	68374008	68374008	+	2.737E-13	2.9516E-12	0.262663	hyper	sig	chr11_68374008
chr16	88497821	88497821	+	2.738E-13	2.9526E-12	0.275639	hyper	sig	chr16_88497821
chr4	1026310	1026310	+	2.738E-13	2.9528E-12	-0.25916	hypo	sig	chr4_1026310
chr14	99659604	99659604	+	2.739E-13	2.9538E-12	0.244535	hyper	sig	chr14_99659604
chr5	73444785	73444785	+	2.74E-13	2.955E-12	0.254928	hyper	sig	chr5_73444785
chr13	1.14E+08	113978035	+	2.741E-13	2.9558E-12	-0.21857	hypo	sig	chr13_113978035
chr2	27736000	27736000	+	2.744E-13	2.9594E-12	-0.21012	hypo	sig	chr2_27736000
chr1	2.03E+08	203055213	+	2.747E-13	2.9628E-12	-0.31853	hypo	sig	chr1_203055213
chr15	65914721	65914721	+	2.748E-13	2.9636E-12	0.241904	hyper	sig	chr15_65914721
chr4	2961534	2961534	+	2.748E-13	2.9638E-12	-0.23371	hypo	sig	chr4_2961534
chr7	11832447	11832447	+	2.75E-13	2.9649E-12	0.230739	hyper	sig	chr7_11832447
chr6	30127832	30127832	+	2.751E-13	2.9662E-12	0.264033	hyper	sig	chr6_30127832
chr14	49770927	49770927	+	2.754E-13	2.9693E-12	-0.22137	hypo	sig	chr14_49770927
chr6	84772919	84772919	+	2.754E-13	2.9696E-12	0.247053	hyper	sig	chr6_84772919
chr11	75584141	75584141	+	2.756E-13	2.9715E-12	0.233342	hyper	sig	chr11_75584141
chr3	47424773	47424773	+	2.756E-13	2.9719E-12	-0.25122	hypo	sig	chr3_47424773
chr10	1.24E+08	124044251	+	2.757E-13	2.9724E-12	-0.22123	hypo	sig	chr10_124044251
chr10	1.32E+08	132163259	+	2.761E-13	2.9769E-12	-0.25192	hypo	sig	chr10_132163259
chr10	26941809	26941809	+	2.761E-13	2.977E-12	-0.20059	hypo	sig	chr10_26941809
chr2	2.42E+08	241804307	+	2.762E-13	2.9777E-12	0.292019	hyper	sig	chr2_241804307
chr1	17617928	17617928	+	2.764E-13	2.9797E-12	0.207416	hyper	sig	chr1_17617928
chr8	38770557	38770557	+	2.764E-13	2.9797E-12	0.253201	hyper	sig	chr8_38770557
chr7	73831442	73831442	+	2.765E-13	2.9809E-12	-0.21896	hypo	sig	chr7_73831442
chr19	45815350	45815350	+	2.767E-13	2.9832E-12	0.300299	hyper	sig	chr19_45815350
chr10	1.23E+08	122954585	+	2.767E-13	2.9832E-12	0.216688	hyper	sig	chr10_122954585
chr14	36654578	36654578	+	2.769E-13	2.9851E-12	0.2368	hyper	sig	chr14_36654578
chr7	1.4E+08	139990485	+	2.77E-13	2.9854E-12	-0.24817	hypo	sig	chr7_139990485
chr19	36776084	36776084	+	2.772E-13	2.9877E-12	0.335072	hyper	sig	chr19_36776084
chr1	68047288	68047288	+	2.775E-13	2.9916E-12	-0.22092	hypo	sig	chr1_68047288
chr14	1.01E+08	101042912	+	2.776E-13	2.9927E-12	-0.21701	hypo	sig	chr14_101042912
chr2	1.28E+08	127655388	+	2.778E-13	2.9942E-12	0.227273	hyper	sig	chr2_127655388
chr14	20723686	20723686	+	2.779E-13	2.9951E-12	0.290808	hyper	sig	chr14_20723686
chr13	1.12E+08	112058523	+	2.781E-13	2.9977E-12	0.228855	hyper	sig	chr13_112058523
chr2	2.02E+08	202036528	+	2.781E-13	2.9977E-12	0.254097	hyper	sig	chr2_202036528
chr12	53951426	53951426	+	2.781E-13	2.9978E-12	0.205197	hyper	sig	chr12_53951426
chr7	1.56E+08	155804675	+	2.783E-13	2.9991E-12	0.220472	hyper	sig	chr7_155804675
chr15	96416971	96416971	+	2.783E-13	2.9993E-12	0.203167	hyper	sig	chr15_96416971
chr6	1.37E+08	137489988	+	2.783E-13	2.9995E-12	0.296534	hyper	sig	chr6_137489988
chr3	48656541	48656541	+	2.785E-13	3.0015E-12	0.218735	hyper	sig	chr3_48656541
chr10	1.3E+08	129892966	+	2.792E-13	3.0085E-12	-0.22948	hypo	sig	chr10_129892966
chr10	1.01E+08	101139466	+	2.792E-13	3.009E-12	0.288686	hyper	sig	chr10_101139466
chr1	2496715	2496715	+	2.793E-13	3.0101E-12	-0.31016	hypo	sig	chr1_2496715
chr11	66556166	66556166	+	2.794E-13	3.0113E-12	-0.2373	hypo	sig	chr11_66556166
chr6	1.33E+08	133240810	+	2.796E-13	3.0132E-12	0.242743	hyper	sig	chr6_133240810
chr21	45439296	45439296	+	2.796E-13	3.0133E-12	0.201893	hyper	sig	chr21_45439296
chr2	5696087	5696087	+	2.797E-13	3.0146E-12	0.260723	hyper	sig	chr2_5696087
chr5	1.59E+08	159095423	+	2.799E-13	3.0158E-12	0.271244	hyper	sig	chr5_159095423
chr4	1082253	1082253	+	2.801E-13	3.0186E-12	-0.21077	hypo	sig	chr4_1082253
chr9	1.36E+08	136248856	+	2.802E-13	3.0198E-12	-0.2881	hypo	sig	chr9_136248856
chr11	76382036	76382036	+	2.802E-13	3.0198E-12	0.202071	hyper	sig	chr11_76382036
chr1	2.25E+08	225484098	+	2.804E-13	3.0211E-12	0.215597	hyper	sig	chr1_225484098
chr3	38648888	38648888	+	2.804E-13	3.0215E-12	0.295871	hyper	sig	chr3_38648888
chr17	35911404	35911404	+	2.805E-13	3.0222E-12	-0.20703	hypo	sig	chr17_35911404
chr1	50430506	50430506	+	2.809E-13	3.0265E-12	0.214556	hyper	sig	chr1_50430506
chr11	66720467	66720467	+	2.809E-13	3.027E-12	-0.2762	hypo	sig	chr11_66720467

chr13	87674447	87674447	+	2.812E-13	3.03E-12	0.241633	hyper	sig	chr13_87674447
chr2	86809812	86809812	+	2.812E-13	3.03E-12	0.309281	hyper	sig	chr2_86809812
chr5	1.33E+08	132748455	+	2.814E-13	3.032E-12	-0.28571	hypo	sig	chr5_132748455
chr1	1.53E+08	153261942	+	2.815E-13	3.0323E-12	0.226901	hyper	sig	chr1_153261942
chr17	31491206	31491206	+	2.815E-13	3.0328E-12	-0.25257	hypo	sig	chr17_31491206
chr13	1.12E+08	112068909	+	2.818E-13	3.0357E-12	0.286075	hyper	sig	chr13_112068909
chr1	50416762	50416762	+	2.824E-13	3.0421E-12	0.207609	hyper	sig	chr1_50416762
chr11	70826859	70826859	+	2.825E-13	3.0427E-12	0.202575	hyper	sig	chr11_70826859
chr9	971703	971703	+	2.826E-13	3.0446E-12	0.336677	hyper	sig	chr9_971703
chr10	1.3E+08	129886582	+	2.827E-13	3.0446E-12	-0.22445	hypo	sig	chr10_129886582
chr10	1.04E+08	103573310	+	2.828E-13	3.0462E-12	-0.25386	hypo	sig	chr10_103573310
chr19	3178950	3178950	+	2.829E-13	3.047E-12	-0.22586	hypo	sig	chr19_3178950
chr17	75587914	75587914	+	2.829E-13	3.0474E-12	0.221715	hyper	sig	chr17_75587914
chr10	48502933	48502933	+	2.83E-13	3.0486E-12	-0.2785	hypo	sig	chr10_48502933
chr6	1.34E+08	133838234	+	2.83E-13	3.0486E-12	-0.20851	hypo	sig	chr6_133838234
chr19	9498729	9498729	+	2.831E-13	3.0493E-12	0.261416	hyper	sig	chr19_9498729
chr3	1.72E+08	172448050	+	2.832E-13	3.0498E-12	0.283778	hyper	sig	chr3_172448050
chr17	48564666	48564666	+	2.832E-13	3.05E-12	0.279517	hyper	sig	chr17_48564666
chr19	13506277	13506277	+	2.832E-13	3.05E-12	0.303509	hyper	sig	chr19_13506277
chr10	1.01E+08	101065514	+	2.832E-13	3.0505E-12	-0.21792	hypo	sig	chr10_101065514
chr19	55276778	55276778	+	2.835E-13	3.0526E-12	-0.29341	hypo	sig	chr19_55276778
chr7	1.57E+08	157004481	+	2.835E-13	3.0526E-12	0.207328	hyper	sig	chr7_157004481
chr10	86263165	86263165	+	2.836E-13	3.0544E-12	0.223024	hyper	sig	chr10_86263165
chr12	1.32E+08	132341616	+	2.837E-13	3.0553E-12	-0.27262	hypo	sig	chr12_132341616
chr8	1.44E+08	143569893	+	2.838E-13	3.0558E-12	0.263805	hyper	sig	chr8_143569893
chr5	1924149	1924149	+	2.839E-13	3.0574E-12	-0.27183	hypo	sig	chr5_1924149
chr6	6004771	6004771	+	2.84E-13	3.0583E-12	0.289127	hyper	sig	chr6_6004771
chr4	1.07E+08	107037469	+	2.842E-13	3.0606E-12	0.231556	hyper	sig	chr4_107037469
chr7	1055312	1055312	+	2.843E-13	3.0616E-12	0.280792	hyper	sig	chr7_1055312
chr8	23573486	23573486	+	2.844E-13	3.0628E-12	0.230471	hyper	sig	chr8_23573486
chr17	80510447	80510447	+	2.845E-13	3.0631E-12	-0.22269	hypo	sig	chr17_80510447
chr12	53951388	53951388	+	2.846E-13	3.0643E-12	0.225734	hyper	sig	chr12_53951388
chr9	94332857	94332857	+	2.846E-13	3.0645E-12	0.232321	hyper	sig	chr9_94332857
chr6	28635498	28635498	+	2.847E-13	3.0655E-12	0.270993	hyper	sig	chr6_28635498
chr17	75645699	75645699	+	2.849E-13	3.0671E-12	-0.2207	hypo	sig	chr17_75645699
chr19	33391979	33391979	+	2.85E-13	3.0683E-12	-0.2891	hypo	sig	chr19_33391979
chr11	63762458	63762458	+	2.851E-13	3.0691E-12	0.337564	hyper	sig	chr11_63762458
chr4	1.9E+08	190020519	+	2.853E-13	3.0718E-12	0.241469	hyper	sig	chr4_190020519
chr2	96527418	96527418	+	2.855E-13	3.0736E-12	0.242631	hyper	sig	chr2_96527418
chr7	20778338	20778338	+	2.855E-13	3.0738E-12	0.254206	hyper	sig	chr7_20778338
chr1	2E+08	200038573	+	2.856E-13	3.0746E-12	0.265832	hyper	sig	chr1_200038573
chr7	20779293	20779293	+	2.863E-13	3.0825E-12	0.232697	hyper	sig	chr7_20779293
chr1	26411428	26411428	+	2.867E-13	3.0859E-12	0.201276	hyper	sig	chr1_26411428
chr21	26967880	26967880	+	2.867E-13	3.0861E-12	0.224096	hyper	sig	chr21_26967880
chr13	1.11E+08	110921786	+	2.869E-13	3.0881E-12	-0.22248	hypo	sig	chr13_110921786
chr7	1.29E+08	128697734	+	2.87E-13	3.0894E-12	0.284692	hyper	sig	chr7_128697734
chr19	53058369	53058369	+	2.87E-13	3.0896E-12	0.318575	hyper	sig	chr19_53058369
chr6	27495585	27495585	+	2.871E-13	3.0903E-12	0.218868	hyper	sig	chr6_27495585
chr19	1254090	1254090	+	2.871E-13	3.0905E-12	0.325039	hyper	sig	chr19_1254090
chr17	1056265	1056265	+	2.874E-13	3.093E-12	0.246418	hyper	sig	chr17_1056265
chr22	36506569	36506569	+	2.875E-13	3.094E-12	-0.20654	hypo	sig	chr22_36506569
chr11	4212251	4212251	+	2.878E-13	3.0979E-12	0.26715	hyper	sig	chr11_4212251
chr14	1.05E+08	104588712	+	2.879E-13	3.0988E-12	-0.28795	hypo	sig	chr14_104588712
chr3	11721838	11721838	+	2.88E-13	3.0993E-12	-0.23487	hypo	sig	chr3_11721838
chr17	79132469	79132469	+	2.881E-13	3.1004E-12	-0.21445	hypo	sig	chr17_79132469
chr11	68797011	68797011	+	2.881E-13	3.1011E-12	0.221356	hyper	sig	chr11_68797011

chr19	46228694	46228694	+	2.882E-13	3.1013E-12	-0.2229	hypo	sig	chr19_46228694
chr6	10384872	10384872	+	2.882E-13	3.1018E-12	0.308514	hyper	sig	chr6_10384872
chr15	27533215	27533215	+	2.882E-13	3.1019E-12	-0.24732	hypo	sig	chr15_27533215
chr6	1.59E+08	158545318	+	2.883E-13	3.1023E-12	-0.22253	hypo	sig	chr6_158545318
chr22	36819952	36819952	+	2.891E-13	3.1112E-12	-0.20591	hypo	sig	chr22_36819952
chr13	41455941	41455941	+	2.892E-13	3.1117E-12	-0.20168	hypo	sig	chr13_41455941
chr14	20633578	20633578	+	2.893E-13	3.1137E-12	0.226497	hyper	sig	chr14_20633578
chr1	1.87E+08	187072607	+	2.894E-13	3.1144E-12	-0.28822	hypo	sig	chr1_187072607
chr6	32397751	32397751	+	2.895E-13	3.1153E-12	-0.26563	hypo	sig	chr6_32397751
chr4	1.72E+08	171813304	+	2.896E-13	3.1165E-12	0.245775	hyper	sig	chr4_171813304
chr13	1.13E+08	113402696	+	2.897E-13	3.1172E-12	-0.22078	hypo	sig	chr13_113402696
chr19	43624897	43624897	+	2.9E-13	3.1201E-12	-0.20937	hypo	sig	chr19_43624897
chr17	67246919	67246919	+	2.902E-13	3.122E-12	-0.34785	hypo	sig	chr17_67246919
chr19	1356432	1356432	+	2.904E-13	3.1241E-12	0.205078	hyper	sig	chr19_1356432
chr19	1177638	1177638	+	2.904E-13	3.1241E-12	-0.27475	hypo	sig	chr19_1177638
chr18	33440842	33440842	+	2.905E-13	3.1259E-12	0.236655	hyper	sig	chr18_33440842
chr20	63177391	63177391	+	2.906E-13	3.1262E-12	0.289979	hyper	sig	chr20_63177391
chr8	1.08E+08	108082308	+	2.907E-13	3.1274E-12	0.246279	hyper	sig	chr8_108082308
chr15	67823912	67823912	+	2.907E-13	3.1278E-12	0.297927	hyper	sig	chr15_67823912
chr14	1.01E+08	101456843	+	2.908E-13	3.1284E-12	0.222636	hyper	sig	chr14_101456843
chr21	45286938	45286938	+	2.909E-13	3.13E-12	0.257507	hyper	sig	chr21_45286938
chr1	1.48E+08	148264915	+	2.914E-13	3.1344E-12	0.247377	hyper	sig	chr1_148264915
chr4	5051456	5051456	+	2.917E-13	3.1377E-12	0.288248	hyper	sig	chr4_5051456
chr7	96997508	96997508	+	2.918E-13	3.1391E-12	0.293241	hyper	sig	chr7_96997508
chr3	1.42E+08	141797750	+	2.919E-13	3.1398E-12	0.312514	hyper	sig	chr3_141797750
chr5	1.41E+08	141431830	+	2.92E-13	3.141E-12	0.266658	hyper	sig	chr5_141431830
chr21	33022821	33022821	+	2.92E-13	3.1412E-12	0.215747	hyper	sig	chr21_33022821
chr2	949795	949795	+	2.925E-13	3.1457E-12	0.284202	hyper	sig	chr2_949795
chr16	58024775	58024775	+	2.925E-13	3.1463E-12	-0.2647	hypo	sig	chr16_58024775
chr19	2772194	2772194	+	2.925E-13	3.1465E-12	0.263062	hyper	sig	chr19_2772194
chr22	32371141	32371141	+	2.926E-13	3.1468E-12	-0.24161	hypo	sig	chr22_32371141
chr13	1.01E+08	101452808	+	2.927E-13	3.1485E-12	-0.27159	hypo	sig	chr13_101452808
chr4	7984792	7984792	+	2.928E-13	3.1492E-12	-0.29885	hypo	sig	chr4_7984792
chr16	77722096	77722096	+	2.929E-13	3.1504E-12	-0.25685	hypo	sig	chr16_77722096
chr12	1.15E+08	114697151	+	2.935E-13	3.1566E-12	0.210464	hyper	sig	chr12_114697151
chr10	1.23E+08	123149512	+	2.936E-13	3.1578E-12	0.22019	hyper	sig	chr10_123149512
chr9	98707591	98707591	+	2.941E-13	3.1628E-12	0.20228	hyper	sig	chr9_98707591
chr1	1.84E+08	184036452	+	2.947E-13	3.1684E-12	0.239878	hyper	sig	chr1_184036452
chr8	64374088	64374088	+	2.947E-13	3.1685E-12	0.375681	hyper	sig	chr8_64374088
chr11	15114571	15114571	+	2.947E-13	3.1689E-12	0.262701	hyper	sig	chr11_15114571
chr3	1.27E+08	126682332	+	2.948E-13	3.1694E-12	-0.24659	hypo	sig	chr3_126682332
chr13	1.14E+08	114090131	+	2.949E-13	3.1708E-12	-0.21881	hypo	sig	chr13_114090131
chr7	1.51E+08	151392679	+	2.951E-13	3.1732E-12	-0.21427	hypo	sig	chr7_151392679
chr19	2242098	2242098	+	2.953E-13	3.1753E-12	-0.27633	hypo	sig	chr19_2242098
chr16	2054975	2054975	+	2.954E-13	3.1761E-12	-0.26101	hypo	sig	chr16_2054975
chr11	1.12E+08	111976856	+	2.955E-13	3.1773E-12	0.33583	hyper	sig	chr11_111976856
chr2	2.2E+08	219512871	+	2.956E-13	3.1776E-12	-0.2534	hypo	sig	chr2_219512871
chr11	1834056	1834056	+	2.957E-13	3.1785E-12	-0.23637	hypo	sig	chr11_1834056
chr10	1.19E+08	118595332	+	2.959E-13	3.1811E-12	0.256953	hyper	sig	chr10_118595332
chr8	96157796	96157796	+	2.963E-13	3.1852E-12	0.22583	hyper	sig	chr8_96157796
chr6	1.25E+08	125155016	+	2.963E-13	3.1853E-12	-0.21468	hypo	sig	chr6_125155016
chr10	1.01E+08	101226111	+	2.963E-13	3.1854E-12	0.273145	hyper	sig	chr10_101226111
chr13	94712379	94712379	+	2.964E-13	3.1863E-12	0.204751	hyper	sig	chr13_94712379
chr16	51153955	51153955	+	2.965E-13	3.1867E-12	0.271006	hyper	sig	chr16_51153955
chr22	19756379	19756379	+	2.965E-13	3.1872E-12	0.260776	hyper	sig	chr22_19756379
chr16	3365311	3365311	+	2.966E-13	3.1882E-12	0.219878	hyper	sig	chr16_3365311

chr16	66948971	66948971	+	2.968E-13	3.1897E-12	0.254835	hyper	sig	chr16_66948971
chr16	89562367	89562367	+	2.969E-13	3.1913E-12	-0.23557	hypo	sig	chr16_89562367
chr22	21045483	21045483	+	2.969E-13	3.1913E-12	0.209753	hyper	sig	chr22_21045483
chr1	8202896	8202896	+	2.971E-13	3.1933E-12	0.223658	hyper	sig	chr1_8202896
chr12	56020658	56020658	+	2.972E-13	3.1944E-12	0.296892	hyper	sig	chr12_56020658
chr20	37518928	37518928	+	2.973E-13	3.1952E-12	0.20212	hyper	sig	chr20_37518928
chr11	1871077	1871077	+	2.974E-13	3.1958E-12	0.252494	hyper	sig	chr11_1871077
chr10	1409398	1409398	+	2.976E-13	3.1983E-12	-0.24236	hypo	sig	chr10_1409398
chr8	1.42E+08	142464383	+	2.976E-13	3.1987E-12	0.224152	hyper	sig	chr8_142464383
chr17	8073265	8073265	+	2.982E-13	3.205E-12	0.261116	hyper	sig	chr17_8073265
chr12	62191322	62191322	+	2.984E-13	3.2063E-12	0.217989	hyper	sig	chr12_62191322
chr2	2.19E+08	219332864	+	2.986E-13	3.2086E-12	0.256793	hyper	sig	chr2_219332864
chr17	28717318	28717318	+	2.987E-13	3.2103E-12	0.247492	hyper	sig	chr17_28717318
chr13	23945900	23945900	+	2.988E-13	3.211E-12	0.228315	hyper	sig	chr13_23945900
chr6	32761793	32761793	+	2.988E-13	3.2113E-12	0.250483	hyper	sig	chr6_32761793
chr5	1.41E+08	141413901	+	2.99E-13	3.213E-12	0.235222	hyper	sig	chr5_141413901
chr8	1.16E+08	115667496	+	2.992E-13	3.2147E-12	0.283678	hyper	sig	chr8_115667496
chr19	56538320	56538320	+	2.992E-13	3.2153E-12	0.262292	hyper	sig	chr19_56538320
chr1	1.84E+08	184036433	+	2.994E-13	3.2171E-12	0.225103	hyper	sig	chr1_184036433
chr7	1.59E+08	158993098	+	2.996E-13	3.2195E-12	0.259387	hyper	sig	chr7_158993098
chr11	1.25E+08	125167388	+	2.997E-13	3.2196E-12	0.207954	hyper	sig	chr11_125167388
chr19	15472042	15472042	+	2.997E-13	3.2203E-12	0.214198	hyper	sig	chr19_15472042
chr9	1.27E+08	126615023	+	2.999E-13	3.2216E-12	0.341851	hyper	sig	chr9_126615023
chr19	3179794	3179794	+	2.999E-13	3.2222E-12	-0.21672	hypo	sig	chr19_3179794
chr5	1.35E+08	135399959	+	3E-13	3.2234E-12	0.219587	hyper	sig	chr5_135399959
chr9	1.37E+08	136844573	+	3.001E-13	3.2241E-12	0.212977	hyper	sig	chr9_136844573
chr2	2.41E+08	240558226	+	3.002E-13	3.2255E-12	0.216069	hyper	sig	chr2_240558226
chr2	2.32E+08	231662813	+	3.003E-13	3.226E-12	-0.3282	hypo	sig	chr2_231662813
chr9	1.31E+08	131308158	+	3.005E-13	3.2279E-12	-0.22417	hypo	sig	chr9_131308158
chr19	49196731	49196731	+	3.006E-13	3.2293E-12	0.274206	hyper	sig	chr19_49196731
chr8	57142197	57142197	+	3.007E-13	3.2306E-12	-0.22996	hypo	sig	chr8_57142197
chr19	54164469	54164469	+	3.008E-13	3.2316E-12	0.233406	hyper	sig	chr19_54164469
chr19	50717280	50717280	+	3.01E-13	3.2331E-12	-0.25136	hypo	sig	chr19_50717280
chr2	2.4E+08	240136963	+	3.01E-13	3.2333E-12	-0.21821	hypo	sig	chr2_240136963
chr2	1.24E+08	124025299	+	3.012E-13	3.2349E-12	0.240758	hyper	sig	chr2_124025299
chr7	1.54E+08	153749193	+	3.012E-13	3.2352E-12	0.286926	hyper	sig	chr7_153749193
chr18	26547648	26547648	+	3.012E-13	3.2355E-12	0.293953	hyper	sig	chr18_26547648
chr16	66975256	66975256	+	3.014E-13	3.2376E-12	-0.26414	hypo	sig	chr16_66975256
chr19	35768295	35768295	+	3.014E-13	3.2376E-12	0.294922	hyper	sig	chr19_35768295
chr6	7051058	7051058	+	3.014E-13	3.2376E-12	-0.2479	hypo	sig	chr6_7051058
chr7	1200341	1200341	+	3.015E-13	3.238E-12	0.244701	hyper	sig	chr7_1200341
chr16	1063967	1063967	+	3.017E-13	3.2405E-12	-0.27312	hypo	sig	chr16_1063967
chr19	1908451	1908451	+	3.017E-13	3.2408E-12	-0.25118	hypo	sig	chr19_1908451
chr3	1.3E+08	129528080	+	3.019E-13	3.2424E-12	-0.21407	hypo	sig	chr3_129528080
chr5	1.11E+08	111070828	+	3.023E-13	3.2462E-12	0.240195	hyper	sig	chr5_111070828
chr11	1639323	1639323	+	3.028E-13	3.2514E-12	-0.20361	hypo	sig	chr11_1639323
chr5	1.41E+08	141432865	+	3.028E-13	3.252E-12	0.278418	hyper	sig	chr5_141432865
chr19	8052748	8052748	+	3.031E-13	3.2548E-12	-0.27192	hypo	sig	chr19_8052748
chr8	69832646	69832646	+	3.033E-13	3.2571E-12	0.214888	hyper	sig	chr8_69832646
chr12	65729512	65729512	+	3.033E-13	3.2574E-12	0.294662	hyper	sig	chr12_65729512
chr16	1311841	1311841	+	3.033E-13	3.2574E-12	0.285027	hyper	sig	chr16_1311841
chr8	96161532	96161532	+	3.033E-13	3.2574E-12	0.283405	hyper	sig	chr8_96161532
chr11	18791118	18791118	+	3.034E-13	3.2579E-12	0.295099	hyper	sig	chr11_18791118
chr1	1.47E+08	147080919	+	3.036E-13	3.2602E-12	0.20699	hyper	sig	chr1_147080919
chr19	14085763	14085763	+	3.039E-13	3.2631E-12	0.312863	hyper	sig	chr19_14085763
chr6	29828759	29828759	+	3.04E-13	3.2643E-12	0.219462	hyper	sig	chr6_29828759

chr2	2.06E+08	206444105	+	3.04E-13	3.2644E-12	0.248133	hyper	sig	chr2_206444105
chr17	21452734	21452734	+	3.043E-13	3.267E-12	0.202167	hyper	sig	chr17_21452734
chr7	5303515	5303515	+	3.045E-13	3.2692E-12	-0.29783	hypo	sig	chr7_5303515
chr17	1618111	1618111	+	3.045E-13	3.2692E-12	-0.20362	hypo	sig	chr17_1618111
chr8	1187026	1187026	+	3.046E-13	3.2706E-12	-0.20765	hypo	sig	chr8_1187026
chr19	1444148	1444148	+	3.049E-13	3.2731E-12	-0.21481	hypo	sig	chr19_1444148
chr5	1.78E+08	178287100	+	3.051E-13	3.2754E-12	-0.20872	hypo	sig	chr5_178287100
chr2	1.05E+08	105404152	+	3.054E-13	3.2783E-12	-0.29218	hypo	sig	chr2_105404152
chr10	1.3E+08	130046811	+	3.054E-13	3.2788E-12	-0.2169	hypo	sig	chr10_130046811
chr9	36985764	36985764	+	3.057E-13	3.2817E-12	0.213278	hyper	sig	chr9_36985764
chr12	1.31E+08	131491246	+	3.058E-13	3.2825E-12	-0.20516	hypo	sig	chr12_131491246
chr16	88842080	88842080	+	3.058E-13	3.2829E-12	-0.21567	hypo	sig	chr16_88842080
chr20	63426243	63426243	+	3.061E-13	3.2862E-12	-0.28241	hypo	sig	chr20_63426243
chr10	1.02E+08	102414146	+	3.062E-13	3.2867E-12	-0.23939	hypo	sig	chr10_102414146
chr6	1606113	1606113	+	3.062E-13	3.2872E-12	0.235105	hyper	sig	chr6_1606113
chr9	1.34E+08	133979515	+	3.063E-13	3.2879E-12	0.314831	hyper	sig	chr9_133979515
chr16	31224246	31224246	+	3.064E-13	3.2886E-12	0.257695	hyper	sig	chr16_31224246
chr7	119663	119663	+	3.065E-13	3.2898E-12	-0.22011	hypo	sig	chr7_119663
chr5	73299889	73299889	+	3.065E-13	3.2902E-12	0.20238	hyper	sig	chr5_73299889
chr12	6555706	6555706	+	3.07E-13	3.2952E-12	0.281569	hyper	sig	chr12_6555706
chr2	66444346	66444346	+	3.072E-13	3.2969E-12	0.244558	hyper	sig	chr2_66444346
chr16	67164287	67164287	+	3.073E-13	3.2979E-12	0.220085	hyper	sig	chr16_67164287
chr22	38429928	38429928	+	3.073E-13	3.2983E-12	0.263404	hyper	sig	chr22_38429928
chr18	49487719	49487719	+	3.074E-13	3.2997E-12	-0.20052	hypo	sig	chr18_49487719
chr20	21508522	21508522	+	3.079E-13	3.3043E-12	0.286096	hyper	sig	chr20_21508522
chr17	78577417	78577417	+	3.08E-13	3.3061E-12	-0.21779	hypo	sig	chr17_78577417
chr5	1182922	1182922	+	3.081E-13	3.3066E-12	-0.2155	hypo	sig	chr5_1182922
chr1	17149315	17149315	+	3.085E-13	3.3104E-12	0.290351	hyper	sig	chr1_17149315
chr1	54781418	54781418	+	3.086E-13	3.3118E-12	0.313055	hyper	sig	chr1_54781418
chr13	1.13E+08	112985469	+	3.086E-13	3.3119E-12	-0.22241	hypo	sig	chr13_112985469
chr17	76000356	76000356	+	3.087E-13	3.3124E-12	0.215089	hyper	sig	chr17_76000356
chr2	95026213	95026213	+	3.087E-13	3.3125E-12	0.248506	hyper	sig	chr2_95026213
chr7	4715379	4715379	+	3.088E-13	3.3135E-12	0.252271	hyper	sig	chr7_4715379
chr22	30266998	30266998	+	3.09E-13	3.3155E-12	-0.27327	hypo	sig	chr22_30266998
chr8	41725833	41725833	+	3.09E-13	3.3159E-12	0.299432	hyper	sig	chr8_41725833
chr3	1.54E+08	154428081	+	3.091E-13	3.3173E-12	0.252202	hyper	sig	chr3_154428081
chr16	85810557	85810557	+	3.092E-13	3.3178E-12	-0.23564	hypo	sig	chr16_85810557
chr17	79228326	79228326	+	3.093E-13	3.3185E-12	-0.24663	hypo	sig	chr17_79228326
chr10	1.31E+08	131238244	+	3.093E-13	3.3189E-12	-0.21444	hypo	sig	chr10_131238244
chr7	6536748	6536748	+	3.094E-13	3.3194E-12	0.219682	hyper	sig	chr7_6536748
chr12	46831130	46831130	+	3.094E-13	3.32E-12	0.240853	hyper	sig	chr12_46831130
chr8	1160304	1160304	+	3.094E-13	3.3201E-12	-0.27821	hypo	sig	chr8_1160304
chr1	1110665	1110665	+	3.095E-13	3.3209E-12	-0.29678	hypo	sig	chr1_1110665
chr17	38921651	38921651	+	3.098E-13	3.3239E-12	0.257606	hyper	sig	chr17_38921651
chr11	420736	420736	+	3.099E-13	3.3246E-12	0.226388	hyper	sig	chr11_420736
chr3	1.2E+08	119703540	+	3.099E-13	3.3246E-12	0.20502	hyper	sig	chr3_119703540
chr2	64643365	64643365	+	3.099E-13	3.3246E-12	-0.21596	hypo	sig	chr2_64643365
chr2	23663470	23663470	+	3.101E-13	3.3267E-12	0.280286	hyper	sig	chr2_23663470
chr15	45116702	45116702	+	3.103E-13	3.3287E-12	0.243832	hyper	sig	chr15_45116702
chr14	38210747	38210747	+	3.105E-13	3.3307E-12	0.255316	hyper	sig	chr14_38210747
chr11	2904340	2904340	+	3.106E-13	3.3323E-12	-0.28006	hypo	sig	chr11_2904340
chr1	2.31E+08	231336511	+	3.106E-13	3.3323E-12	-0.23193	hypo	sig	chr1_231336511
chr19	53942710	53942710	+	3.107E-13	3.3335E-12	0.372898	hyper	sig	chr19_53942710
chr9	1.14E+08	114397177	+	3.112E-13	3.3386E-12	0.28605	hyper	sig	chr9_114397177
chr1	16227913	16227913	+	3.12E-13	3.3463E-12	0.297702	hyper	sig	chr1_16227913
chr3	49686202	49686202	+	3.122E-13	3.3486E-12	0.219364	hyper	sig	chr3_49686202

chr14	20723700	20723700	+	3.122E-13	3.349E-12	0.285929	hyper	sig	chr14_20723700
chr6	84773339	84773339	+	3.123E-13	3.3493E-12	0.242981	hyper	sig	chr6_84773339
chr7	52273857	52273857	+	3.124E-13	3.3504E-12	0.301173	hyper	sig	chr7_52273857
chr2	1.21E+08	120868059	+	3.124E-13	3.351E-12	0.226642	hyper	sig	chr2_120868059
chr9	1.37E+08	137079354	+	3.125E-13	3.352E-12	0.268634	hyper	sig	chr9_137079354
chr6	1.7E+08	170255807	+	3.129E-13	3.3557E-12	-0.24084	hypo	sig	chr6_170255807
chr5	63961763	63961763	+	3.129E-13	3.3559E-12	0.292996	hyper	sig	chr5_63961763
chr17	36939678	36939678	+	3.129E-13	3.3561E-12	0.215723	hyper	sig	chr17_36939678
chr15	1.01E+08	101047415	+	3.13E-13	3.3563E-12	0.201726	hyper	sig	chr15_101047415
chr5	1.77E+08	176615118	+	3.13E-13	3.3563E-12	-0.24175	hypo	sig	chr5_176615118
chr1	32464716	32464716	+	3.131E-13	3.3573E-12	0.232931	hyper	sig	chr1_32464716
chr8	71558976	71558976	+	3.131E-13	3.3579E-12	0.240033	hyper	sig	chr8_71558976
chr16	86516304	86516304	+	3.132E-13	3.3585E-12	0.216416	hyper	sig	chr16_86516304
chr1	46448119	46448119	+	3.132E-13	3.3586E-12	0.253788	hyper	sig	chr1_46448119
chr16	841283	841283	+	3.132E-13	3.3587E-12	-0.25667	hypo	sig	chr16_841283
chr5	51399379	51399379	+	3.132E-13	3.3587E-12	0.215386	hyper	sig	chr5_51399379
chr17	80456711	80456711	+	3.136E-13	3.3623E-12	0.205741	hyper	sig	chr17_80456711
chr5	1.73E+08	173233131	+	3.138E-13	3.365E-12	0.209165	hyper	sig	chr5_173233131
chr1	3595484	3595484	+	3.138E-13	3.3652E-12	-0.21535	hypo	sig	chr1_3595484
chr5	51382541	51382541	+	3.14E-13	3.3665E-12	0.240679	hyper	sig	chr5_51382541
chr10	25934090	25934090	+	3.141E-13	3.3676E-12	0.293966	hyper	sig	chr10_25934090
chr2	1E+08	100320653	+	3.141E-13	3.3678E-12	0.24377	hyper	sig	chr2_100320653
chr15	26866846	26866846	+	3.143E-13	3.3694E-12	0.236842	hyper	sig	chr15_26866846
chr4	41260341	41260341	+	3.146E-13	3.3726E-12	-0.20897	hypo	sig	chr4_41260341
chr10	1.32E+08	132448219	+	3.146E-13	3.3729E-12	-0.26523	hypo	sig	chr10_132448219
chr9	1.3E+08	129752284	+	3.146E-13	3.373E-12	-0.25578	hypo	sig	chr9_129752284
chr17	46850947	46850947	+	3.146E-13	3.3731E-12	0.264356	hyper	sig	chr17_46850947
chr8	41308658	41308658	+	3.15E-13	3.3765E-12	0.275666	hyper	sig	chr8_41308658
chr19	52370282	52370282	+	3.152E-13	3.3795E-12	0.218102	hyper	sig	chr19_52370282
chr11	1.17E+08	117478637	+	3.153E-13	3.3803E-12	-0.28128	hypo	sig	chr11_117478637
chr14	1.04E+08	104142027	+	3.153E-13	3.3803E-12	-0.24799	hypo	sig	chr14_104142027
chr19	33234751	33234751	+	3.156E-13	3.3828E-12	-0.27751	hypo	sig	chr19_33234751
chr4	84495729	84495729	+	3.156E-13	3.3831E-12	0.220592	hyper	sig	chr4_84495729
chr12	1.3E+08	130018052	+	3.157E-13	3.3843E-12	0.206911	hyper	sig	chr12_130018052
chr7	1.51E+08	151410675	+	3.159E-13	3.3863E-12	0.232467	hyper	sig	chr7_151410675
chr2	10042086	10042086	+	3.16E-13	3.3867E-12	0.25816	hyper	sig	chr2_10042086
chr13	23680251	23680251	+	3.164E-13	3.3909E-12	-0.23538	hypo	sig	chr13_23680251
chr4	2812274	2812274	+	3.164E-13	3.3914E-12	-0.25889	hypo	sig	chr4_2812274
chr11	1.33E+08	133079542	+	3.17E-13	3.3977E-12	-0.22989	hypo	sig	chr11_133079542
chr11	2807424	2807424	+	3.172E-13	3.3998E-12	0.269666	hyper	sig	chr11_2807424
chr7	5350784	5350784	+	3.181E-13	3.4086E-12	0.325568	hyper	sig	chr7_5350784
chr7	1.59E+08	158999592	+	3.182E-13	3.4094E-12	-0.23509	hypo	sig	chr7_158999592
chr17	82568403	82568403	+	3.183E-13	3.4105E-12	-0.23076	hypo	sig	chr17_82568403
chr2	7435319	7435319	+	3.185E-13	3.4135E-12	-0.26149	hypo	sig	chr2_7435319
chr6	1.63E+08	163148092	+	3.188E-13	3.4163E-12	-0.2417	hypo	sig	chr6_163148092
chr11	63838306	63838306	+	3.189E-13	3.4172E-12	-0.22441	hypo	sig	chr11_63838306
chr1	2.1E+08	209938686	+	3.195E-13	3.4237E-12	0.276632	hyper	sig	chr1_209938686
chr9	1.29E+08	129438738	+	3.196E-13	3.4241E-12	-0.23078	hypo	sig	chr9_129438738
chr2	2.39E+08	239484014	+	3.201E-13	3.4294E-12	-0.25126	hypo	sig	chr2_239484014
chr6	1.37E+08	137495922	+	3.203E-13	3.4321E-12	0.280307	hyper	sig	chr6_137495922
chr13	27821217	27821217	+	3.204E-13	3.433E-12	0.301515	hyper	sig	chr13_27821217
chr10	1.31E+08	131238209	+	3.205E-13	3.4332E-12	-0.21326	hypo	sig	chr10_131238209
chr11	65793164	65793164	+	3.206E-13	3.4345E-12	-0.20528	hypo	sig	chr11_65793164
chr19	15723064	15723064	+	3.206E-13	3.4347E-12	0.237031	hyper	sig	chr19_15723064
chr16	1197321	1197321	+	3.211E-13	3.4395E-12	-0.25254	hypo	sig	chr16_1197321
chr19	3178859	3178859	+	3.214E-13	3.4425E-12	-0.2846	hypo	sig	chr19_3178859

chr19	2588641	2588641	+	3.214E-13	3.443E-12	-0.20918	hypo	sig	chr19_2588641
chr18	77979478	77979478	+	3.215E-13	3.4441E-12	-0.23017	hypo	sig	chr18_77979478
chr2	1.98E+08	197706807	+	3.216E-13	3.4454E-12	-0.2598	hypo	sig	chr2_197706807
chr7	52088133	52088133	+	3.217E-13	3.4459E-12	0.212773	hyper	sig	chr7_52088133
chr2	1.01E+08	101306460	+	3.218E-13	3.4467E-12	-0.2577	hypo	sig	chr2_101306460
chr5	1.72E+08	171668012	+	3.219E-13	3.4474E-12	0.25498	hyper	sig	chr5_171668012
chr7	1055318	1055318	+	3.22E-13	3.449E-12	0.274601	hyper	sig	chr7_1055318
chr16	15949010	15949010	+	3.22E-13	3.4491E-12	-0.2609	hypo	sig	chr16_15949010
chr8	1.44E+08	144416553	+	3.222E-13	3.451E-12	-0.24394	hypo	sig	chr8_144416553
chr10	1.24E+08	123940657	+	3.223E-13	3.4519E-12	-0.2556	hypo	sig	chr10_123940657
chr1	11701736	11701736	+	3.224E-13	3.4525E-12	0.264395	hyper	sig	chr1_11701736
chr10	1.29E+08	129344209	+	3.224E-13	3.4526E-12	-0.20295	hypo	sig	chr10_129344209
chr3	72929052	72929052	+	3.224E-13	3.4531E-12	0.203922	hyper	sig	chr3_72929052
chr11	92883250	92883250	+	3.225E-13	3.4539E-12	-0.22579	hypo	sig	chr11_92883250
chr10	1.01E+08	101140346	+	3.226E-13	3.4553E-12	0.202626	hyper	sig	chr10_101140346
chr17	21397479	21397479	+	3.227E-13	3.4554E-12	0.299652	hyper	sig	chr17_21397479
chr7	4707649	4707649	+	3.227E-13	3.4557E-12	0.218508	hyper	sig	chr7_4707649
chr12	1.09E+08	109154158	+	3.229E-13	3.4576E-12	0.234875	hyper	sig	chr12_109154158
chr3	48507864	48507864	+	3.229E-13	3.4576E-12	-0.20431	hypo	sig	chr3_48507864
chr14	1.06E+08	105662100	+	3.231E-13	3.46E-12	-0.23783	hypo	sig	chr14_105662100
chr4	7697961	7697961	+	3.233E-13	3.4617E-12	-0.32528	hypo	sig	chr4_7697961
chr7	12404208	12404208	+	3.233E-13	3.4621E-12	0.205339	hyper	sig	chr7_12404208
chr13	50127808	50127808	+	3.234E-13	3.4633E-12	0.262333	hyper	sig	chr13_50127808
chr10	7162167	7162167	+	3.235E-13	3.4639E-12	-0.26442	hypo	sig	chr10_7162167
chr19	40611223	40611223	+	3.236E-13	3.4649E-12	-0.23402	hypo	sig	chr19_40611223
chr1	3437874	3437874	+	3.237E-13	3.4663E-12	-0.22408	hypo	sig	chr1_3437874
chr16	85614673	85614673	+	3.239E-13	3.4675E-12	-0.22963	hypo	sig	chr16_85614673
chr1	2.34E+08	234356742	+	3.239E-13	3.4684E-12	-0.25261	hypo	sig	chr1_234356742
chr2	2.19E+08	219421419	+	3.241E-13	3.4698E-12	0.305047	hyper	sig	chr2_219421419
chr12	1.04E+08	104458369	+	3.244E-13	3.4736E-12	0.204042	hyper	sig	chr12_104458369
chr19	13962448	13962448	+	3.246E-13	3.4753E-12	0.298707	hyper	sig	chr19_13962448
chr10	1.25E+08	125151375	+	3.251E-13	3.4803E-12	-0.22428	hypo	sig	chr10_125151375
chr6	30127453	30127453	+	3.254E-13	3.4836E-12	0.25214	hyper	sig	chr6_30127453
chr2	1.24E+08	123686536	+	3.256E-13	3.4853E-12	-0.29924	hypo	sig	chr2_123686536
chr19	55406903	55406903	+	3.26E-13	3.4897E-12	-0.22716	hypo	sig	chr19_55406903
chr2	37157565	37157565	+	3.26E-13	3.4901E-12	-0.20197	hypo	sig	chr2_37157565
chr6	32068627	32068627	+	3.261E-13	3.4903E-12	-0.22342	hypo	sig	chr6_32068627
chr12	57869477	57869477	+	3.264E-13	3.4935E-12	0.312098	hyper	sig	chr12_57869477
chr1	2.09E+08	209233036	+	3.265E-13	3.4948E-12	-0.20838	hypo	sig	chr1_209233036
chr11	2925244	2925244	+	3.267E-13	3.4964E-12	-0.26854	hypo	sig	chr11_2925244
chr3	1.85E+08	184572618	+	3.267E-13	3.4969E-12	0.211189	hyper	sig	chr3_184572618
chr16	1040263	1040263	+	3.268E-13	3.4977E-12	-0.22737	hypo	sig	chr16_1040263
chr3	62379185	62379185	+	3.269E-13	3.4989E-12	0.230228	hyper	sig	chr3_62379185
chr15	83107256	83107256	+	3.271E-13	3.5007E-12	0.231009	hyper	sig	chr15_83107256
chr6	50843175	50843175	+	3.271E-13	3.501E-12	0.210732	hyper	sig	chr6_50843175
chr2	38960855	38960855	+	3.272E-13	3.5014E-12	0.225434	hyper	sig	chr2_38960855
chr5	84830576	84830576	+	3.272E-13	3.5016E-12	-0.2397	hypo	sig	chr5_84830576
chr5	1.74E+08	174311920	+	3.272E-13	3.5016E-12	0.231698	hyper	sig	chr5_174311920
chr9	1.33E+08	132586556	+	3.273E-13	3.5024E-12	0.223469	hyper	sig	chr9_132586556
chr12	6042571	6042571	+	3.274E-13	3.5039E-12	-0.2134	hypo	sig	chr12_6042571
chr12	1.19E+08	118981318	+	3.275E-13	3.5043E-12	0.294412	hyper	sig	chr12_118981318
chr3	1.93E+08	193241583	+	3.276E-13	3.5059E-12	0.230271	hyper	sig	chr3_193241583
chr1	2318697	2318697	+	3.277E-13	3.5065E-12	0.256528	hyper	sig	chr1_2318697
chr12	6824375	6824375	+	3.278E-13	3.5074E-12	-0.23091	hypo	sig	chr12_6824375
chr7	2678647	2678647	+	3.279E-13	3.5086E-12	-0.25637	hypo	sig	chr7_2678647
chr14	94773906	94773906	+	3.282E-13	3.5114E-12	0.292481	hyper	sig	chr14_94773906

chr20	662127	662127	+	3.282E-13	3.5116E-12	0.251744	hyper	sig	chr20_662127
chr17	1231615	1231615	+	3.285E-13	3.5145E-12	-0.22903	hypo	sig	chr17_1231615
chr19	34481375	34481375	+	3.286E-13	3.5153E-12	0.269891	hyper	sig	chr19_34481375
chr11	1.25E+08	125350647	+	3.286E-13	3.516E-12	-0.28809	hypo	sig	chr11_125350647
chr14	23388770	23388770	+	3.286E-13	3.516E-12	-0.24007	hypo	sig	chr14_23388770
chr8	23685748	23685748	+	3.289E-13	3.5186E-12	-0.20884	hypo	sig	chr8_23685748
chr20	63064286	63064286	+	3.29E-13	3.5196E-12	-0.27533	hypo	sig	chr20_63064286
chr1	2.08E+08	207645517	+	3.292E-13	3.5216E-12	0.25999	hyper	sig	chr1_207645517
chr15	67826246	67826246	+	3.292E-13	3.5219E-12	0.233014	hyper	sig	chr15_67826246
chr19	46413804	46413804	+	3.294E-13	3.5239E-12	0.250831	hyper	sig	chr19_46413804
chr15	1E+08	100373751	+	3.297E-13	3.5269E-12	0.269462	hyper	sig	chr15_100373751
chr3	1.47E+08	147398139	+	3.297E-13	3.5269E-12	0.246603	hyper	sig	chr3_147398139
chr2	25167771	25167771	+	3.297E-13	3.5274E-12	0.296901	hyper	sig	chr2_25167771
chr1	2598463	2598463	+	3.299E-13	3.5291E-12	-0.21518	hypo	sig	chr1_2598463
chr13	20946250	20946250	+	3.3E-13	3.5301E-12	0.267286	hyper	sig	chr13_20946250
chr5	55222746	55222746	+	3.3E-13	3.5303E-12	0.303199	hyper	sig	chr5_55222746
chr15	26944699	26944699	+	3.302E-13	3.5319E-12	-0.2826	hypo	sig	chr15_26944699
chr19	18787631	18787631	+	3.303E-13	3.5329E-12	0.253146	hyper	sig	chr19_18787631
chr1	1.1E+08	110134182	+	3.305E-13	3.5348E-12	-0.20528	hypo	sig	chr1_110134182
chr22	37335080	37335080	+	3.305E-13	3.5348E-12	0.253599	hyper	sig	chr22_37335080
chr2	2.22E+08	222312337	+	3.306E-13	3.5356E-12	0.253173	hyper	sig	chr2_222312337
chr10	1.32E+08	132487418	+	3.306E-13	3.5357E-12	-0.2547	hypo	sig	chr10_132487418
chr14	24172508	24172508	+	3.307E-13	3.5372E-12	0.233332	hyper	sig	chr14_24172508
chr16	49278124	49278124	+	3.309E-13	3.539E-12	0.254785	hyper	sig	chr16_49278124
chr6	32096398	32096398	+	3.309E-13	3.539E-12	0.219092	hyper	sig	chr6_32096398
chr11	70662069	70662069	+	3.312E-13	3.542E-12	0.272175	hyper	sig	chr11_70662069
chr17	41572226	41572226	+	3.312E-13	3.5421E-12	0.207749	hyper	sig	chr17_41572226
chr7	51315390	51315390	+	3.315E-13	3.5449E-12	-0.20072	hypo	sig	chr7_51315390
chr2	933101	933101	+	3.317E-13	3.5468E-12	0.208376	hyper	sig	chr2_933101
chr11	20596391	20596391	+	3.321E-13	3.5509E-12	0.275415	hyper	sig	chr11_20596391
chr16	29785058	29785058	+	3.321E-13	3.5515E-12	0.20291	hyper	sig	chr16_29785058
chr2	71605395	71605395	+	3.321E-13	3.5515E-12	-0.26146	hypo	sig	chr2_71605395
chr9	91948292	91948292	+	3.322E-13	3.5523E-12	0.239277	hyper	sig	chr9_91948292
chr18	33440839	33440839	+	3.324E-13	3.554E-12	0.238609	hyper	sig	chr18_33440839
chr16	88927218	88927218	+	3.328E-13	3.5579E-12	-0.28059	hypo	sig	chr16_88927218
chr16	1460799	1460799	+	3.331E-13	3.5616E-12	0.204379	hyper	sig	chr16_1460799
chr1	11654161	11654161	+	3.333E-13	3.5635E-12	0.277725	hyper	sig	chr1_11654161
chr14	75419467	75419467	+	3.334E-13	3.5648E-12	-0.24474	hypo	sig	chr14_75419467
chr11	49048897	49048897	+	3.335E-13	3.565E-12	0.27213	hyper	sig	chr11_49048897
chr1	1060914	1060914	+	3.335E-13	3.565E-12	-0.28934	hypo	sig	chr1_1060914
chr4	86831351	86831351	+	3.338E-13	3.5684E-12	-0.21182	hypo	sig	chr4_86831351
chr7	1.51E+08	151410503	+	3.34E-13	3.5705E-12	0.247416	hyper	sig	chr7_151410503
chr7	1910888	1910888	+	3.341E-13	3.5711E-12	0.283218	hyper	sig	chr7_1910888
chr5	1.41E+08	141372258	+	3.341E-13	3.5716E-12	0.265916	hyper	sig	chr5_141372258
chr1	1.57E+08	156849269	+	3.343E-13	3.5738E-12	0.250811	hyper	sig	chr1_156849269
chr1	24927553	24927553	+	3.346E-13	3.5763E-12	0.301028	hyper	sig	chr1_24927553
chr8	21914157	21914157	+	3.346E-13	3.5767E-12	-0.24386	hypo	sig	chr8_21914157
chr11	628631	628631	+	3.349E-13	3.5796E-12	-0.22388	hypo	sig	chr11_628631
chr2	1685408	1685408	+	3.352E-13	3.5834E-12	-0.23573	hypo	sig	chr2_1685408
chr7	1289070	1289070	+	3.356E-13	3.5873E-12	-0.30739	hypo	sig	chr7_1289070
chr5	110749	110749	+	3.356E-13	3.5873E-12	-0.21994	hypo	sig	chr5_110749
chr7	19106583	19106583	+	3.357E-13	3.5883E-12	0.233496	hyper	sig	chr7_19106583
chr1	1.09E+08	108948394	+	3.358E-13	3.5896E-12	0.233355	hyper	sig	chr1_108948394
chr12	1.31E+08	130761522	+	3.359E-13	3.5896E-12	-0.23307	hypo	sig	chr12_130761522
chr2	96500264	96500264	+	3.361E-13	3.5923E-12	0.208785	hyper	sig	chr2_96500264
chr17	45501320	45501320	+	3.362E-13	3.5929E-12	0.277615	hyper	sig	chr17_45501320

chr3	1.47E+08	147407272	+	3.365E-13	3.5967E-12	0.22309	hyper	sig	chr3_147407272
chr16	89599548	89599548	+	3.366E-13	3.5977E-12	-0.24366	hypo	sig	chr16_89599548
chr9	1.32E+08	131823539	+	3.366E-13	3.5977E-12	-0.27481	hypo	sig	chr9_131823539
chr6	1.06E+08	106357102	+	3.368E-13	3.5991E-12	-0.20748	hypo	sig	chr6_106357102
chr11	75433069	75433069	+	3.368E-13	3.5993E-12	0.285913	hyper	sig	chr11_75433069
chr2	71560552	71560552	+	3.368E-13	3.5996E-12	0.229169	hyper	sig	chr2_71560552
chr9	1.37E+08	136844519	+	3.37E-13	3.6011E-12	0.209128	hyper	sig	chr9_136844519
chr17	77543819	77543819	+	3.37E-13	3.6012E-12	-0.26372	hypo	sig	chr17_77543819
chr10	1.32E+08	132066222	+	3.37E-13	3.6012E-12	0.216701	hyper	sig	chr10_132066222
chr1	2.26E+08	225880634	+	3.372E-13	3.6032E-12	-0.25582	hypo	sig	chr1_225880634
chr14	74501444	74501444	+	3.372E-13	3.6036E-12	0.278152	hyper	sig	chr14_74501444
chr5	1.5E+08	150209555	+	3.375E-13	3.6062E-12	-0.30904	hypo	sig	chr5_150209555
chr17	4969180	4969180	+	3.375E-13	3.6065E-12	0.246485	hyper	sig	chr17_4969180
chr19	15899698	15899698	+	3.376E-13	3.6071E-12	0.220824	hyper	sig	chr19_15899698
chr17	82032429	82032429	+	3.376E-13	3.6076E-12	0.270959	hyper	sig	chr17_82032429
chr4	61201099	61201099	+	3.381E-13	3.6124E-12	0.323805	hyper	sig	chr4_61201099
chr2	74415417	74415417	+	3.381E-13	3.6126E-12	0.249313	hyper	sig	chr2_74415417
chr19	18233091	18233091	+	3.381E-13	3.6129E-12	0.26661	hyper	sig	chr19_18233091
chr19	2511572	2511572	+	3.382E-13	3.614E-12	-0.38431	hypo	sig	chr19_2511572
chr11	85934693	85934693	+	3.383E-13	3.615E-12	0.288227	hyper	sig	chr11_85934693
chr6	96016000	96016000	+	3.386E-13	3.618E-12	0.298797	hyper	sig	chr6_96016000
chr16	55327776	55327776	+	3.387E-13	3.6187E-12	0.292176	hyper	sig	chr16_55327776
chr7	1.51E+08	151188371	+	3.388E-13	3.6197E-12	-0.23849	hypo	sig	chr7_151188371
chr9	38694059	38694059	+	3.389E-13	3.6203E-12	-0.24132	hypo	sig	chr9_38694059
chr3	1.82E+08	181726296	+	3.39E-13	3.6215E-12	0.39229	hyper	sig	chr3_181726296
chr16	89248274	89248274	+	3.391E-13	3.6228E-12	0.287285	hyper	sig	chr16_89248274
chr9	35676252	35676252	+	3.391E-13	3.6229E-12	0.29839	hyper	sig	chr9_35676252
chr11	66720550	66720550	+	3.392E-13	3.624E-12	-0.36256	hypo	sig	chr11_66720550
chr2	1.05E+08	104842639	+	3.393E-13	3.6245E-12	0.290568	hyper	sig	chr2_104842639
chr16	88101333	88101333	+	3.393E-13	3.6248E-12	0.261771	hyper	sig	chr16_88101333
chr5	61631893	61631893	+	3.393E-13	3.6248E-12	0.245751	hyper	sig	chr5_61631893
chr1	2496609	2496609	+	3.395E-13	3.6264E-12	-0.32455	hypo	sig	chr1_2496609
chr1	90723631	90723631	+	3.396E-13	3.6275E-12	0.215484	hyper	sig	chr1_90723631
chr3	62369770	62369770	+	3.397E-13	3.6282E-12	0.278739	hyper	sig	chr3_62369770
chr14	1.03E+08	103102767	+	3.399E-13	3.6306E-12	0.256665	hyper	sig	chr14_103102767
chr13	26012152	26012152	+	3.401E-13	3.6324E-12	0.24213	hyper	sig	chr13_26012152
chr17	83071209	83071209	+	3.401E-13	3.6326E-12	-0.38659	hypo	sig	chr17_83071209
chr19	19629098	19629098	+	3.404E-13	3.636E-12	-0.36264	hypo	sig	chr19_19629098
chr16	84527155	84527155	+	3.405E-13	3.6366E-12	0.205249	hyper	sig	chr16_84527155
chr16	85575249	85575249	+	3.406E-13	3.6379E-12	0.265327	hyper	sig	chr16_85575249
chr7	1.57E+08	157004716	+	3.408E-13	3.6402E-12	0.22953	hyper	sig	chr7_157004716
chr6	26017705	26017705	+	3.409E-13	3.6406E-12	0.287769	hyper	sig	chr6_26017705
chr6	1.66E+08	165726581	+	3.41E-13	3.6418E-12	-0.22556	hypo	sig	chr6_165726581
chr16	3548619	3548619	+	3.411E-13	3.6431E-12	-0.3238	hypo	sig	chr16_3548619
chr3	11157009	11157009	+	3.412E-13	3.6437E-12	-0.23484	hypo	sig	chr3_11157009
chr20	44400912	44400912	+	3.413E-13	3.6445E-12	-0.21395	hypo	sig	chr20_44400912
chr2	1.49E+08	148888311	+	3.415E-13	3.6472E-12	0.225608	hyper	sig	chr2_148888311
chr2	1.92E+08	192193450	+	3.416E-13	3.6473E-12	0.272866	hyper	sig	chr2_192193450
chr16	57619957	57619957	+	3.417E-13	3.6482E-12	-0.29195	hypo	sig	chr16_57619957
chr6	32218467	32218467	+	3.417E-13	3.6482E-12	-0.22154	hypo	sig	chr6_32218467
chr13	19564722	19564722	+	3.417E-13	3.6483E-12	0.215255	hyper	sig	chr13_19564722
chr1	21814504	21814504	+	3.418E-13	3.6491E-12	0.212872	hyper	sig	chr1_21814504
chr17	76867967	76867967	+	3.42E-13	3.6516E-12	0.234236	hyper	sig	chr17_76867967
chr11	1.13E+08	113474265	+	3.422E-13	3.6534E-12	0.229697	hyper	sig	chr11_113474265
chr17	58278016	58278016	+	3.422E-13	3.654E-12	-0.20279	hypo	sig	chr17_58278016
chr1	2.3E+08	230321861	+	3.424E-13	3.6554E-12	-0.22081	hypo	sig	chr1_230321861

chr3	10338804	10338804	+	3.424E-13	3.6558E-12	-0.24801	hypo	sig	chr3_10338804
chr5	1.41E+08	140836573	+	3.424E-13	3.6558E-12	0.214809	hyper	sig	chr5_140836573
chr4	1.21E+08	121381121	+	3.425E-13	3.6569E-12	0.245511	hyper	sig	chr4_121381121
chr15	92672331	92672331	+	3.425E-13	3.6569E-12	-0.21377	hypo	sig	chr15_92672331
chr12	1.25E+08	124520307	+	3.426E-13	3.6576E-12	0.215762	hyper	sig	chr12_124520307
chr17	78117622	78117622	+	3.427E-13	3.6581E-12	0.263132	hyper	sig	chr17_78117622
chr22	49704660	49704660	+	3.428E-13	3.66E-12	0.273943	hyper	sig	chr22_49704660
chr1	50425731	50425731	+	3.43E-13	3.6613E-12	0.206485	hyper	sig	chr1_50425731
chr11	70826844	70826844	+	3.43E-13	3.662E-12	0.222751	hyper	sig	chr11_70826844
chr7	56448550	56448550	+	3.436E-13	3.6679E-12	0.232498	hyper	sig	chr7_56448550
chr13	1.13E+08	113402553	+	3.44E-13	3.6723E-12	-0.24241	hypo	sig	chr13_113402553
chr3	11157024	11157024	+	3.441E-13	3.6726E-12	-0.23745	hypo	sig	chr3_11157024
chr16	88101223	88101223	+	3.442E-13	3.6736E-12	0.239924	hyper	sig	chr16_88101223
chr12	34366902	34366902	+	3.442E-13	3.6742E-12	-0.26876	hypo	sig	chr12_34366902
chr4	1.11E+08	110618912	+	3.444E-13	3.6757E-12	0.214838	hyper	sig	chr4_110618912
chr1	46493184	46493184	+	3.445E-13	3.6765E-12	0.23079	hyper	sig	chr1_46493184
chr11	62689862	62689862	+	3.451E-13	3.6837E-12	0.236698	hyper	sig	chr11_62689862
chr16	15143416	15143416	+	3.452E-13	3.6839E-12	0.34257	hyper	sig	chr16_15143416
chr8	98948533	98948533	+	3.452E-13	3.684E-12	0.285267	hyper	sig	chr8_98948533
chr11	6571124	6571124	+	3.455E-13	3.6874E-12	0.283863	hyper	sig	chr11_6571124
chr16	839351	839351	+	3.455E-13	3.6877E-12	-0.22848	hypo	sig	chr16_839351
chr1	28811650	28811650	+	3.457E-13	3.6891E-12	-0.2116	hypo	sig	chr1_28811650
chr11	1485790	1485790	+	3.457E-13	3.6893E-12	0.232025	hyper	sig	chr11_1485790
chr17	1231612	1231612	+	3.458E-13	3.6899E-12	-0.21709	hypo	sig	chr17_1231612
chr16	88978115	88978115	+	3.46E-13	3.6929E-12	-0.20801	hypo	sig	chr16_88978115
chr4	3711526	3711526	+	3.461E-13	3.693E-12	-0.25691	hypo	sig	chr4_3711526
chr2	1.15E+08	115162428	+	3.467E-13	3.6994E-12	0.212706	hyper	sig	chr2_115162428
chr6	34022104	34022104	+	3.47E-13	3.7025E-12	-0.22484	hypo	sig	chr6_34022104
chr22	29480953	29480953	+	3.47E-13	3.7032E-12	0.277149	hyper	sig	chr22_29480953
chr8	8325047	8325047	+	3.47E-13	3.7032E-12	0.247551	hyper	sig	chr8_8325047
chr12	47753251	47753251	+	3.471E-13	3.7036E-12	-0.231	hypo	sig	chr12_47753251
chr3	1.93E+08	192796999	+	3.472E-13	3.7049E-12	-0.20403	hypo	sig	chr3_192796999
chr7	42238422	42238422	+	3.473E-13	3.7053E-12	0.276119	hyper	sig	chr7_42238422
chr9	1.34E+08	133892998	+	3.473E-13	3.7053E-12	-0.23576	hypo	sig	chr9_133892998
chr16	87603073	87603073	+	3.475E-13	3.7074E-12	0.222785	hyper	sig	chr16_87603073
chr5	3602293	3602293	+	3.478E-13	3.7107E-12	0.276934	hyper	sig	chr5_3602293
chr11	1.29E+08	128549054	+	3.478E-13	3.7109E-12	0.211312	hyper	sig	chr11_128549054
chr3	1.28E+08	128480945	+	3.48E-13	3.7131E-12	0.237246	hyper	sig	chr3_128480945
chr11	8262653	8262653	+	3.482E-13	3.7151E-12	0.244366	hyper	sig	chr11_8262653
chr12	2626413	2626413	+	3.482E-13	3.7152E-12	-0.2254	hypo	sig	chr12_2626413
chr9	1.38E+08	137873827	+	3.483E-13	3.7159E-12	-0.22977	hypo	sig	chr9_137873827
chr14	36666417	36666417	+	3.484E-13	3.7174E-12	0.299587	hyper	sig	chr14_36666417
chr21	36707096	36707096	+	3.486E-13	3.7185E-12	0.212614	hyper	sig	chr21_36707096
chr19	420411	420411	+	3.486E-13	3.7191E-12	-0.22684	hypo	sig	chr19_420411
chr7	1.3E+08	130380103	+	3.488E-13	3.721E-12	0.250078	hyper	sig	chr7_130380103
chr3	1.58E+08	157542943	+	3.49E-13	3.7236E-12	0.259496	hyper	sig	chr3_157542943
chr7	1.42E+08	141550732	+	3.491E-13	3.7237E-12	0.33181	hyper	sig	chr7_141550732
chr11	61534640	61534640	+	3.492E-13	3.7245E-12	-0.24789	hypo	sig	chr11_61534640
chr16	2238036	2238036	+	3.492E-13	3.7245E-12	0.274972	hyper	sig	chr16_2238036
chr2	1.09E+08	109172147	+	3.493E-13	3.7257E-12	0.286931	hyper	sig	chr2_109172147
chr7	27122782	27122782	+	3.493E-13	3.7264E-12	-0.21847	hypo	sig	chr7_27122782
chr7	66199155	66199155	+	3.494E-13	3.7273E-12	-0.27515	hypo	sig	chr7_66199155
chr14	85530453	85530453	+	3.495E-13	3.728E-12	0.26403	hyper	sig	chr14_85530453
chr17	48571130	48571130	+	3.495E-13	3.7282E-12	0.256645	hyper	sig	chr17_48571130
chr7	97731982	97731982	+	3.497E-13	3.7296E-12	0.250907	hyper	sig	chr7_97731982
chr7	1.3E+08	130491678	+	3.498E-13	3.7307E-12	0.241951	hyper	sig	chr7_130491678

chr5	1.41E+08	140849790	+	3.499E-13	3.7318E-12	0.274887	hyper	sig	chr5_140849790
chr7	1.51E+08	151114215	+	3.5E-13	3.7327E-12	0.21631	hyper	sig	chr7_151114215
chr17	80498212	80498212	+	3.503E-13	3.7364E-12	0.251506	hyper	sig	chr17_80498212
chr4	10119156	10119156	+	3.504E-13	3.7369E-12	0.252024	hyper	sig	chr4_10119156
chr8	740055	740055	+	3.509E-13	3.7416E-12	0.230717	hyper	sig	chr8_740055
chr1	20552083	20552083	+	3.511E-13	3.7438E-12	0.228786	hyper	sig	chr1_20552083
chr10	1.33E+08	133207299	+	3.512E-13	3.7452E-12	-0.24743	hypo	sig	chr10_133207299
chr19	31351405	31351405	+	3.512E-13	3.7455E-12	0.227183	hyper	sig	chr19_31351405
chr12	54047353	54047353	+	3.513E-13	3.7466E-12	0.255461	hyper	sig	chr12_54047353
chr5	1.41E+08	141414792	+	3.515E-13	3.7485E-12	0.23932	hyper	sig	chr5_141414792
chr16	3192754	3192754	+	3.517E-13	3.7501E-12	0.252299	hyper	sig	chr16_3192754
chr15	23878176	23878176	+	3.517E-13	3.7505E-12	0.201033	hyper	sig	chr15_23878176
chr14	1.05E+08	105065685	+	3.518E-13	3.7516E-12	-0.26435	hypo	sig	chr14_105065685
chr10	1.01E+08	101133030	+	3.52E-13	3.7532E-12	0.288904	hyper	sig	chr10_101133030
chr7	1.52E+08	151851026	+	3.521E-13	3.754E-12	-0.20498	hypo	sig	chr7_151851026
chr20	22582072	22582072	+	3.522E-13	3.7559E-12	0.301566	hyper	sig	chr20_22582072
chr12	1.33E+08	132672430	+	3.523E-13	3.7568E-12	-0.20843	hypo	sig	chr12_132672430
chr3	1.26E+08	125959125	+	3.529E-13	3.7625E-12	-0.24694	hypo	sig	chr3_125959125
chr12	64390463	64390463	+	3.531E-13	3.7648E-12	0.202146	hyper	sig	chr12_64390463
chr17	21317167	21317167	+	3.532E-13	3.7657E-12	0.237098	hyper	sig	chr17_21317167
chr3	1.96E+08	195851334	+	3.534E-13	3.7682E-12	-0.23479	hypo	sig	chr3_195851334
chr10	72277027	72277027	+	3.536E-13	3.77E-12	-0.21107	hypo	sig	chr10_72277027
chr10	1.33E+08	133046465	+	3.537E-13	3.771E-12	-0.21424	hypo	sig	chr10_133046465
chr7	926574	926574	+	3.538E-13	3.7725E-12	-0.2657	hypo	sig	chr7_926574
chr20	23826722	23826722	+	3.54E-13	3.7737E-12	-0.22486	hypo	sig	chr20_23826722
chr1	2.46E+08	245685094	+	3.54E-13	3.7744E-12	-0.23119	hypo	sig	chr1_245685094
chr2	1.71E+08	170717381	+	3.542E-13	3.7757E-12	0.261492	hyper	sig	chr2_170717381
chr2	66445684	66445684	+	3.546E-13	3.7798E-12	0.225664	hyper	sig	chr2_66445684
chr7	2037725	2037725	+	3.546E-13	3.7805E-12	0.218202	hyper	sig	chr7_2037725
chr11	2301551	2301551	+	3.55E-13	3.7841E-12	-0.22735	hypo	sig	chr11_2301551
chr12	6636295	6636295	+	3.55E-13	3.7845E-12	-0.22082	hypo	sig	chr12_6636295
chr11	70826773	70826773	+	3.55E-13	3.7847E-12	0.239922	hyper	sig	chr11_70826773
chr7	6846316	6846316	+	3.551E-13	3.7848E-12	-0.20066	hypo	sig	chr7_6846316
chr11	1.34E+08	134471503	+	3.558E-13	3.7928E-12	0.227246	hyper	sig	chr11_134471503
chr14	1.01E+08	100836184	+	3.56E-13	3.7943E-12	-0.25557	hypo	sig	chr14_100836184
chr7	74659978	74659978	+	3.56E-13	3.7948E-12	-0.26151	hypo	sig	chr7_74659978
chr19	52453698	52453698	+	3.562E-13	3.7962E-12	0.330202	hyper	sig	chr19_52453698
chr2	85132641	85132641	+	3.565E-13	3.7997E-12	0.202334	hyper	sig	chr2_85132641
chr2	2.36E+08	236214373	+	3.565E-13	3.7998E-12	0.28987	hyper	sig	chr2_236214373
chr16	1534044	1534044	+	3.566E-13	3.8009E-12	0.246278	hyper	sig	chr16_1534044
chr10	71662004	71662004	+	3.567E-13	3.8018E-12	-0.25495	hypo	sig	chr10_71662004
chr10	46578185	46578185	+	3.573E-13	3.8084E-12	0.343274	hyper	sig	chr10_46578185
chr7	5238692	5238692	+	3.577E-13	3.8118E-12	-0.22813	hypo	sig	chr7_5238692
chr20	21397911	21397911	+	3.578E-13	3.8128E-12	0.37183	hyper	sig	chr20_21397911
chr11	62689853	62689853	+	3.58E-13	3.8147E-12	0.233678	hyper	sig	chr11_62689853
chr5	3602506	3602506	+	3.58E-13	3.8152E-12	0.258749	hyper	sig	chr5_3602506
chr9	1.31E+08	130834010	+	3.581E-13	3.816E-12	0.207874	hyper	sig	chr9_130834010
chr1	2418276	2418276	+	3.582E-13	3.8167E-12	0.248698	hyper	sig	chr1_2418276
chr17	44559220	44559220	+	3.582E-13	3.8167E-12	0.285544	hyper	sig	chr17_44559220
chr4	1.9E+08	189740338	+	3.582E-13	3.8167E-12	-0.27224	hypo	sig	chr4_189740338
chr4	41873568	41873568	+	3.583E-13	3.8175E-12	0.375862	hyper	sig	chr4_41873568
chr6	31186253	31186253	+	3.585E-13	3.8203E-12	-0.23576	hypo	sig	chr6_31186253
chr5	1.74E+08	174311192	+	3.589E-13	3.824E-12	-0.2391	hypo	sig	chr5_174311192
chr19	49473121	49473121	+	3.59E-13	3.8248E-12	-0.23454	hypo	sig	chr19_49473121
chr1	1.19E+08	118985457	+	3.593E-13	3.8278E-12	0.281539	hyper	sig	chr1_118985457
chr11	70826769	70826769	+	3.595E-13	3.8299E-12	0.245426	hyper	sig	chr11_70826769

chr1	1.53E+08	152796231	+	3.598E-13	3.8335E-12	-0.20371	hypo	sig	chr1_152796231
chr13	1.14E+08	113978025	+	3.598E-13	3.8335E-12	-0.24043	hypo	sig	chr13_113978025
chr6	32063659	32063659	+	3.599E-13	3.8343E-12	-0.20204	hypo	sig	chr6_32063659
chr15	51338574	51338574	+	3.6E-13	3.8352E-12	-0.32797	hypo	sig	chr15_51338574
chr14	53952099	53952099	+	3.601E-13	3.8369E-12	0.249958	hyper	sig	chr14_53952099
chr16	86961419	86961419	+	3.602E-13	3.838E-12	0.215167	hyper	sig	chr16_86961419
chr6	35493800	35493800	+	3.603E-13	3.8386E-12	0.283165	hyper	sig	chr6_35493800
chr2	2.4E+08	239729114	+	3.605E-13	3.8408E-12	-0.28747	hypo	sig	chr2_239729114
chr20	9514719	9514719	+	3.612E-13	3.8481E-12	0.247072	hyper	sig	chr20_9514719
chr15	25657249	25657249	+	3.612E-13	3.8482E-12	-0.26266	hypo	sig	chr15_25657249
chr12	1.27E+08	127278224	+	3.614E-13	3.8498E-12	-0.23173	hypo	sig	chr12_127278224
chr12	34219362	34219362	+	3.615E-13	3.8507E-12	0.291529	hyper	sig	chr12_34219362
chr1	3292983	3292983	+	3.615E-13	3.8507E-12	-0.2582	hypo	sig	chr1_3292983
chr18	46657188	46657188	+	3.615E-13	3.8512E-12	-0.23979	hypo	sig	chr18_46657188
chr18	36300340	36300340	+	3.615E-13	3.8513E-12	-0.20752	hypo	sig	chr18_36300340
chr14	77140831	77140831	+	3.617E-13	3.8524E-12	0.221922	hyper	sig	chr14_77140831
chr11	44311258	44311258	+	3.617E-13	3.8529E-12	0.218297	hyper	sig	chr11_44311258
chr2	484185	484185	+	3.62E-13	3.8555E-12	-0.2556	hypo	sig	chr2_484185
chr13	27971470	27971470	+	3.621E-13	3.8567E-12	-0.26467	hypo	sig	chr13_27971470
chr14	23421085	23421085	+	3.624E-13	3.8597E-12	-0.29971	hypo	sig	chr14_23421085
chr17	4788978	4788978	+	3.625E-13	3.861E-12	-0.29959	hypo	sig	chr17_4788978
chr10	1.32E+08	131676221	+	3.625E-13	3.861E-12	-0.22518	hypo	sig	chr10_131676221
chr1	6461212	6461212	+	3.627E-13	3.8629E-12	0.23321	hyper	sig	chr1_6461212
chr10	14602133	14602133	+	3.627E-13	3.8633E-12	-0.20918	hypo	sig	chr10_14602133
chr11	1461307	1461307	+	3.627E-13	3.8633E-12	0.320339	hyper	sig	chr11_1461307
chr4	1.47E+08	146655415	+	3.628E-13	3.8639E-12	0.224142	hyper	sig	chr4_146655415
chr10	1.18E+08	117735107	+	3.629E-13	3.8646E-12	0.242316	hyper	sig	chr10_117735107
chr12	65729529	65729529	+	3.631E-13	3.8666E-12	0.265393	hyper	sig	chr12_65729529
chr2	2.02E+08	201619180	+	3.633E-13	3.8691E-12	0.259908	hyper	sig	chr2_201619180
chr17	74257363	74257363	+	3.634E-13	3.8701E-12	-0.26748	hypo	sig	chr17_74257363
chr18	79784994	79784994	+	3.634E-13	3.8703E-12	-0.3104	hypo	sig	chr18_79784994
chr8	1.42E+08	142133061	+	3.637E-13	3.8733E-12	-0.2164	hypo	sig	chr8_142133061
chr4	72031850	72031850	+	3.643E-13	3.8788E-12	0.287964	hyper	sig	chr4_72031850
chr1	1.19E+08	118988455	+	3.643E-13	3.8793E-12	0.218201	hyper	sig	chr1_118988455
chr10	1.3E+08	129873109	+	3.643E-13	3.8794E-12	-0.20236	hypo	sig	chr10_129873109
chr22	46575781	46575781	+	3.644E-13	3.88E-12	-0.21256	hypo	sig	chr22_46575781
chr21	38664557	38664557	+	3.644E-13	3.8806E-12	-0.27134	hypo	sig	chr21_38664557
chr13	1.13E+08	113085203	+	3.645E-13	3.8807E-12	-0.25224	hypo	sig	chr13_113085203
chr15	79283118	79283118	+	3.645E-13	3.8807E-12	0.239611	hyper	sig	chr15_79283118
chr1	1.6E+08	160400079	+	3.648E-13	3.8845E-12	0.262791	hyper	sig	chr1_160400079
chr13	99997546	99997546	+	3.652E-13	3.8886E-12	0.282037	hyper	sig	chr13_99997546
chr16	86579073	86579073	+	3.653E-13	3.8892E-12	0.298606	hyper	sig	chr16_86579073
chr4	42401454	42401454	+	3.654E-13	3.8905E-12	-0.26776	hypo	sig	chr4_42401454
chr16	51156030	51156030	+	3.657E-13	3.8931E-12	0.272499	hyper	sig	chr16_51156030
chr2	1.2E+08	119523778	+	3.657E-13	3.894E-12	0.222005	hyper	sig	chr2_119523778
chr1	2.28E+08	227921546	+	3.66E-13	3.8964E-12	-0.20165	hypo	sig	chr1_227921546
chr11	67573348	67573348	+	3.66E-13	3.8964E-12	-0.28278	hypo	sig	chr11_67573348
chr6	1E+08	100449569	+	3.661E-13	3.8972E-12	0.274976	hyper	sig	chr6_100449569
chr16	29222996	29222996	+	3.664E-13	3.9004E-12	-0.25332	hypo	sig	chr16_29222996
chr16	50673945	50673945	+	3.664E-13	3.9004E-12	0.270335	hyper	sig	chr16_50673945
chr7	8435936	8435936	+	3.664E-13	3.9008E-12	0.25594	hyper	sig	chr7_8435936
chr20	38805570	38805570	+	3.665E-13	3.9021E-12	0.261913	hyper	sig	chr20_38805570
chr8	41308676	41308676	+	3.671E-13	3.9075E-12	0.2474	hyper	sig	chr8_41308676
chr3	53821902	53821902	+	3.671E-13	3.908E-12	-0.23225	hypo	sig	chr3_53821902
chr17	80510422	80510422	+	3.672E-13	3.9086E-12	-0.20311	hypo	sig	chr17_80510422
chr10	1.33E+08	133309502	+	3.672E-13	3.9093E-12	-0.20661	hypo	sig	chr10_133309502

chr3	1.49E+08	148947036	+	3.674E-13	3.911E-12	-0.21381	hypo	sig	chr3_148947036
chr2	862372	862372	+	3.675E-13	3.9118E-12	0.231433	hyper	sig	chr2_862372
chr3	1.85E+08	184592747	+	3.676E-13	3.9129E-12	0.280246	hyper	sig	chr3_184592747
chr11	1.3E+08	130189673	+	3.677E-13	3.9138E-12	-0.23214	hypo	sig	chr11_130189673
chr1	2304919	2304919	+	3.677E-13	3.9142E-12	0.274195	hyper	sig	chr1_2304919
chr3	1.72E+08	172447992	+	3.677E-13	3.9142E-12	0.32874	hyper	sig	chr3_172447992
chr6	43114496	43114496	+	3.68E-13	3.9165E-12	0.258203	hyper	sig	chr6_43114496
chr1	2.08E+08	207865020	+	3.68E-13	3.9171E-12	-0.25375	hypo	sig	chr1_207865020
chr10	44293238	44293238	+	3.68E-13	3.9172E-12	0.291316	hyper	sig	chr10_44293238
chr11	1.04E+08	104163490	+	3.681E-13	3.9177E-12	0.208157	hyper	sig	chr11_104163490
chr15	79090715	79090715	+	3.682E-13	3.9191E-12	0.317715	hyper	sig	chr15_79090715
chr5	1.47E+08	147480175	+	3.682E-13	3.9191E-12	-0.24898	hypo	sig	chr5_147480175
chr1	3352751	3352751	+	3.683E-13	3.9196E-12	0.303059	hyper	sig	chr1_3352751
chr19	38303916	38303916	+	3.684E-13	3.9206E-12	-0.22464	hypo	sig	chr19_38303916
chr8	88328040	88328040	+	3.684E-13	3.9206E-12	0.268774	hyper	sig	chr8_88328040
chr12	1.32E+08	131864070	+	3.686E-13	3.923E-12	0.266917	hyper	sig	chr12_131864070
chr15	31216789	31216789	+	3.691E-13	3.9282E-12	-0.3006	hypo	sig	chr15_31216789
chr18	68879123	68879123	+	3.692E-13	3.9287E-12	-0.31375	hypo	sig	chr18_68879123
chr15	93028730	93028730	+	3.694E-13	3.9311E-12	0.256236	hyper	sig	chr15_93028730
chr11	75428448	75428448	+	3.695E-13	3.9318E-12	0.25368	hyper	sig	chr11_75428448
chr2	2.39E+08	239230713	+	3.695E-13	3.932E-12	-0.20126	hypo	sig	chr2_239230713
chr15	25170700	25170700	+	3.696E-13	3.9328E-12	-0.21293	hypo	sig	chr15_25170700
chr19	45234573	45234573	+	3.696E-13	3.9328E-12	0.347472	hyper	sig	chr19_45234573
chr10	30785438	30785438	+	3.697E-13	3.9341E-12	0.216357	hyper	sig	chr10_30785438
chr7	1.57E+08	156949011	+	3.7E-13	3.9365E-12	0.239814	hyper	sig	chr7_156949011
chr15	60001910	60001910	+	3.7E-13	3.9369E-12	0.242215	hyper	sig	chr15_60001910
chr11	43583203	43583203	+	3.702E-13	3.9384E-12	0.248971	hyper	sig	chr11_43583203
chr1	1.13E+08	112850473	+	3.703E-13	3.9394E-12	-0.36347	hypo	sig	chr1_112850473
chr8	1.04E+08	104471096	+	3.703E-13	3.9402E-12	-0.22718	hypo	sig	chr8_104471096
chr19	8333416	8333416	+	3.704E-13	3.9405E-12	0.299995	hyper	sig	chr19_8333416
chr3	1.42E+08	141797663	+	3.706E-13	3.943E-12	0.352446	hyper	sig	chr3_141797663
chr22	44737430	44737430	+	3.706E-13	3.9432E-12	-0.3188	hypo	sig	chr22_44737430
chr15	90868656	90868656	+	3.708E-13	3.9444E-12	-0.24473	hypo	sig	chr15_90868656
chr11	4212296	4212296	+	3.708E-13	3.9444E-12	0.258646	hyper	sig	chr11_4212296
chr16	49280991	49280991	+	3.708E-13	3.9444E-12	0.253233	hyper	sig	chr16_49280991
chr10	1.01E+08	101062144	+	3.708E-13	3.9452E-12	-0.28364	hypo	sig	chr10_101062144
chr5	42924142	42924142	+	3.709E-13	3.9454E-12	0.20914	hyper	sig	chr5_42924142
chr6	7468712	7468712	+	3.709E-13	3.9456E-12	-0.22346	hypo	sig	chr6_7468712
chr16	81584173	81584173	+	3.711E-13	3.9477E-12	-0.23281	hypo	sig	chr16_81584173
chr17	45429895	45429895	+	3.711E-13	3.9479E-12	0.326424	hyper	sig	chr17_45429895
chr6	1.08E+08	108165197	+	3.712E-13	3.9482E-12	0.288863	hyper	sig	chr6_108165197
chr12	53324326	53324326	+	3.712E-13	3.9486E-12	0.230172	hyper	sig	chr12_53324326
chr5	1.7E+08	169636916	+	3.712E-13	3.9486E-12	0.226771	hyper	sig	chr5_169636916
chr2	2.41E+08	240819018	+	3.713E-13	3.9495E-12	0.205286	hyper	sig	chr2_240819018
chr16	89608176	89608176	+	3.714E-13	3.9501E-12	-0.26826	hypo	sig	chr16_89608176
chr10	1.34E+08	133529774	+	3.717E-13	3.9533E-12	0.278501	hyper	sig	chr10_133529774
chr14	1.04E+08	103699138	+	3.718E-13	3.9547E-12	-0.23887	hypo	sig	chr14_103699138
chr21	46661345	46661345	+	3.719E-13	3.9555E-12	0.268584	hyper	sig	chr21_46661345
chr17	82000426	82000426	+	3.72E-13	3.9565E-12	-0.24803	hypo	sig	chr17_82000426
chr2	1.32E+08	132161885	+	3.72E-13	3.9569E-12	-0.23017	hypo	sig	chr2_132161885
chr11	69471525	69471525	+	3.723E-13	3.9594E-12	0.221108	hyper	sig	chr11_69471525
chr19	3474601	3474601	+	3.723E-13	3.9597E-12	-0.23286	hypo	sig	chr19_3474601
chr1	12178489	12178489	+	3.726E-13	3.9625E-12	-0.24983	hypo	sig	chr1_12178489
chr15	37102492	37102492	+	3.726E-13	3.9632E-12	0.325336	hyper	sig	chr15_37102492
chr4	1.85E+08	185018569	+	3.728E-13	3.9644E-12	0.208314	hyper	sig	chr4_185018569
chr2	2.41E+08	241037247	+	3.729E-13	3.966E-12	0.268423	hyper	sig	chr2_241037247

chr5	1.73E+08	173244529	+	3.73E-13	3.9667E-12	0.266219	hyper	sig	chr5_173244529
chr17	78316335	78316335	+	3.73E-13	3.9669E-12	-0.23457	hypo	sig	chr17_78316335
chr2	1.49E+08	148882159	+	3.731E-13	3.9678E-12	-0.26892	hypo	sig	chr2_148882159
chr6	27495404	27495404	+	3.732E-13	3.9682E-12	0.214216	hyper	sig	chr6_27495404
chr13	1.12E+08	112395363	+	3.732E-13	3.9682E-12	0.28757	hyper	sig	chr13_112395363
chr7	1.57E+08	157005887	+	3.734E-13	3.9702E-12	0.32279	hyper	sig	chr7_157005887
chr13	1.14E+08	114090024	+	3.734E-13	3.9705E-12	-0.21658	hypo	sig	chr13_114090024
chr16	88073381	88073381	+	3.734E-13	3.9706E-12	-0.23559	hypo	sig	chr16_88073381
chr7	1.58E+08	158404147	+	3.735E-13	3.9717E-12	-0.21082	hypo	sig	chr7_158404147
chr11	69086489	69086489	+	3.736E-13	3.9724E-12	0.22811	hyper	sig	chr11_69086489
chr5	1385485	1385485	+	3.737E-13	3.9734E-12	-0.2069	hypo	sig	chr5_1385485
chr1	7785039	7785039	+	3.738E-13	3.9741E-12	0.24938	hyper	sig	chr1_7785039
chr16	88927264	88927264	+	3.738E-13	3.9746E-12	-0.26353	hypo	sig	chr16_88927264
chr7	1.55E+08	155167233	+	3.744E-13	3.9806E-12	-0.2807	hypo	sig	chr7_155167233
chr5	77851075	77851075	+	3.745E-13	3.9814E-12	0.267045	hyper	sig	chr5_77851075
chr10	42755333	42755333	+	3.746E-13	3.9828E-12	0.20194	hyper	sig	chr10_42755333
chr19	56838728	56838728	+	3.749E-13	3.9852E-12	0.202578	hyper	sig	chr19_56838728
chr3	53495989	53495989	+	3.749E-13	3.9861E-12	0.296914	hyper	sig	chr3_53495989
chr17	21254187	21254187	+	3.752E-13	3.9886E-12	-0.26056	hypo	sig	chr17_21254187
chr7	44581514	44581514	+	3.752E-13	3.9889E-12	-0.20875	hypo	sig	chr7_44581514
chr21	26967884	26967884	+	3.754E-13	3.9904E-12	0.210094	hyper	sig	chr21_26967884
chr2	1.97E+08	196592477	+	3.755E-13	3.9914E-12	0.24412	hyper	sig	chr2_196592477
chr3	1.58E+08	157542931	+	3.757E-13	3.9938E-12	0.239259	hyper	sig	chr3_157542931
chr8	64578056	64578056	+	3.76E-13	3.9971E-12	0.258547	hyper	sig	chr8_64578056
chr8	1.4E+08	139630305	+	3.761E-13	3.9977E-12	-0.21003	hypo	sig	chr8_139630305
chr20	61954276	61954276	+	3.765E-13	4.0026E-12	-0.22705	hypo	sig	chr20_61954276
chr5	1.41E+08	141101288	+	3.769E-13	4.006E-12	0.225486	hyper	sig	chr5_141101288
chr2	56182876	56182876	+	3.769E-13	4.0061E-12	-0.24317	hypo	sig	chr2_56182876
chr6	1.68E+08	168228091	+	3.773E-13	4.0098E-12	-0.21268	hypo	sig	chr6_168228091
chr6	1.08E+08	108166220	+	3.773E-13	4.0101E-12	0.382022	hyper	sig	chr6_108166220
chr7	1.59E+08	158997424	+	3.775E-13	4.012E-12	0.227823	hyper	sig	chr7_158997424
chr10	1.32E+08	132037266	+	3.775E-13	4.0125E-12	0.200364	hyper	sig	chr10_132037266
chr15	77629821	77629821	+	3.779E-13	4.0159E-12	-0.21936	hypo	sig	chr15_77629821
chr6	1.7E+08	170096746	+	3.779E-13	4.0163E-12	0.25756	hyper	sig	chr6_170096746
chr14	92514881	92514881	+	3.779E-13	4.0165E-12	0.230622	hyper	sig	chr14_92514881
chr19	17821435	17821435	+	3.78E-13	4.0172E-12	0.252464	hyper	sig	chr19_17821435
chr10	84197905	84197905	+	3.78E-13	4.0177E-12	-0.25185	hypo	sig	chr10_84197905
chr2	1.05E+08	105119192	+	3.78E-13	4.0177E-12	0.254026	hyper	sig	chr2_105119192
chr14	64823894	64823894	+	3.781E-13	4.0187E-12	-0.22275	hypo	sig	chr14_64823894
chr16	49484200	49484200	+	3.784E-13	4.0209E-12	0.237161	hyper	sig	chr16_49484200
chr12	1.29E+08	128983635	+	3.785E-13	4.0223E-12	-0.23118	hypo	sig	chr12_128983635
chr16	89834236	89834236	+	3.787E-13	4.0243E-12	-0.21362	hypo	sig	chr16_89834236
chr7	2763342	2763342	+	3.79E-13	4.0276E-12	0.202108	hyper	sig	chr7_2763342
chr11	1.29E+08	128693021	+	3.796E-13	4.0338E-12	0.257465	hyper	sig	chr11_128693021
chr3	1.86E+08	186194072	+	3.798E-13	4.0358E-12	0.2288	hyper	sig	chr3_186194072
chr5	1.75E+08	174732610	+	3.8E-13	4.0375E-12	0.234505	hyper	sig	chr5_174732610
chr12	34395261	34395261	+	3.804E-13	4.0419E-12	-0.25911	hypo	sig	chr12_34395261
chr7	19110424	19110424	+	3.805E-13	4.0432E-12	-0.21131	hypo	sig	chr7_19110424
chr14	64541305	64541305	+	3.805E-13	4.0432E-12	0.259552	hyper	sig	chr14_64541305
chr19	3179547	3179547	+	3.806E-13	4.044E-12	-0.26044	hypo	sig	chr19_3179547
chr5	1.41E+08	140884082	+	3.807E-13	4.0448E-12	0.259643	hyper	sig	chr5_140884082
chr11	1028325	1028325	+	3.808E-13	4.0457E-12	-0.23187	hypo	sig	chr11_1028325
chr9	77017024	77017024	+	3.809E-13	4.0467E-12	0.223752	hyper	sig	chr9_77017024
chr11	31800695	31800695	+	3.81E-13	4.0477E-12	0.212708	hyper	sig	chr11_31800695
chr13	1.13E+08	112649461	+	3.81E-13	4.0479E-12	-0.22659	hypo	sig	chr13_112649461
chr6	1.61E+08	160864622	+	3.811E-13	4.0487E-12	-0.22142	hypo	sig	chr6_160864622

chr21	44920920	44920920	+	3.813E-13	4.0508E-12	-0.21167	hypo	sig	chr21_44920920
chr16	57529506	57529506	+	3.814E-13	4.0514E-12	-0.23348	hypo	sig	chr16_57529506
chr11	67055433	67055433	+	3.814E-13	4.0518E-12	-0.28611	hypo	sig	chr11_67055433
chr14	1.04E+08	104386304	+	3.815E-13	4.0527E-12	-0.27264	hypo	sig	chr14_104386304
chr16	1437566	1437566	+	3.816E-13	4.0533E-12	-0.25748	hypo	sig	chr16_1437566
chr2	2.4E+08	239678345	+	3.816E-13	4.0536E-12	-0.30412	hypo	sig	chr2_239678345
chr3	52373386	52373386	+	3.82E-13	4.0572E-12	0.341876	hyper	sig	chr3_52373386
chr16	2968057	2968057	+	3.822E-13	4.0594E-12	0.222211	hyper	sig	chr16_2968057
chr12	1.14E+08	114447454	+	3.822E-13	4.0597E-12	0.229447	hyper	sig	chr12_114447454
chr6	6002987	6002987	+	3.823E-13	4.0607E-12	0.234251	hyper	sig	chr6_6002987
chr7	27122203	27122203	+	3.829E-13	4.0669E-12	-0.23373	hypo	sig	chr7_27122203
chr7	539301	539301	+	3.83E-13	4.0682E-12	-0.31667	hypo	sig	chr7_539301
chr17	64785267	64785267	+	3.832E-13	4.0697E-12	0.24044	hyper	sig	chr17_64785267
chr11	30584149	30584149	+	3.834E-13	4.0726E-12	0.303986	hyper	sig	chr11_30584149
chr10	3236195	3236195	+	3.836E-13	4.0738E-12	-0.28196	hypo	sig	chr10_3236195
chr2	721020	721020	+	3.837E-13	4.0755E-12	-0.24215	hypo	sig	chr2_721020
chr6	30358020	30358020	+	3.838E-13	4.0761E-12	0.203336	hyper	sig	chr6_30358020
chr8	1.43E+08	143181622	+	3.838E-13	4.0761E-12	-0.20287	hypo	sig	chr8_143181622
chr8	1.41E+08	141427936	+	3.839E-13	4.077E-12	0.209216	hyper	sig	chr8_141427936
chr5	1.4E+08	139689890	+	3.84E-13	4.0778E-12	-0.22392	hypo	sig	chr5_139689890
chr3	27728812	27728812	+	3.841E-13	4.0787E-12	0.291727	hyper	sig	chr3_27728812
chr11	1485929	1485929	+	3.841E-13	4.0788E-12	0.204349	hyper	sig	chr11_1485929
chr17	81050287	81050287	+	3.842E-13	4.0796E-12	-0.28691	hypo	sig	chr17_81050287
chr21	36707391	36707391	+	3.842E-13	4.0797E-12	0.306881	hyper	sig	chr21_36707391
chr2	2.4E+08	240140858	+	3.842E-13	4.0802E-12	-0.25795	hypo	sig	chr2_240140858
chr16	1096588	1096588	+	3.844E-13	4.0814E-12	-0.2777	hypo	sig	chr16_1096588
chr19	1009237	1009237	+	3.844E-13	4.0818E-12	0.31864	hyper	sig	chr19_1009237
chr5	1.73E+08	173244523	+	3.846E-13	4.0835E-12	0.254194	hyper	sig	chr5_173244523
chr5	1.41E+08	140788104	+	3.847E-13	4.0853E-12	0.246828	hyper	sig	chr5_140788104
chr7	1.57E+08	157002675	+	3.848E-13	4.0858E-12	0.312871	hyper	sig	chr7_157002675
chr17	5116583	5116583	+	3.848E-13	4.0861E-12	0.248473	hyper	sig	chr17_5116583
chr18	36758533	36758533	+	3.849E-13	4.0868E-12	-0.25399	hypo	sig	chr18_36758533
chr2	2.4E+08	240410975	+	3.854E-13	4.0919E-12	-0.33583	hypo	sig	chr2_240410975
chr14	60642506	60642506	+	3.855E-13	4.0927E-12	0.212559	hyper	sig	chr14_60642506
chr11	20162582	20162582	+	3.856E-13	4.0943E-12	0.216921	hyper	sig	chr11_20162582
chr19	43624189	43624189	+	3.857E-13	4.0949E-12	-0.20096	hypo	sig	chr19_43624189
chr2	1.19E+08	118845470	+	3.859E-13	4.0973E-12	0.299716	hyper	sig	chr2_118845470
chr2	1883644	1883644	+	3.86E-13	4.0975E-12	-0.2372	hypo	sig	chr2_1883644
chr9	970507	970507	+	3.862E-13	4.1005E-12	0.269034	hyper	sig	chr9_970507
chr13	42001700	42001700	+	3.867E-13	4.1057E-12	0.213013	hyper	sig	chr13_42001700
chr19	5822520	5822520	+	3.868E-13	4.1067E-12	0.2031	hyper	sig	chr19_5822520
chr10	1.25E+08	125023880	+	3.869E-13	4.1071E-12	0.343215	hyper	sig	chr10_125023880
chr12	1.15E+08	114687346	+	3.869E-13	4.1073E-12	0.305481	hyper	sig	chr12_114687346
chr18	75207106	75207106	+	3.87E-13	4.1083E-12	0.268338	hyper	sig	chr18_75207106
chr13	1.12E+08	112325560	+	3.871E-13	4.1096E-12	-0.24414	hypo	sig	chr13_112325560
chr7	5304029	5304029	+	3.872E-13	4.1105E-12	-0.28152	hypo	sig	chr7_5304029
chr19	21941083	21941083	+	3.873E-13	4.1109E-12	-0.23532	hypo	sig	chr19_21941083
chr7	1.59E+08	158982472	+	3.873E-13	4.1117E-12	-0.20892	hypo	sig	chr7_158982472
chr11	85934983	85934983	+	3.875E-13	4.1137E-12	0.207148	hyper	sig	chr11_85934983
chr13	29359395	29359395	+	3.875E-13	4.1137E-12	-0.22534	hypo	sig	chr13_29359395
chr14	1.04E+08	104303838	+	3.876E-13	4.1146E-12	-0.3153	hypo	sig	chr14_104303838
chr19	48485256	48485256	+	3.878E-13	4.1166E-12	0.226233	hyper	sig	chr19_48485256
chr22	50304991	50304991	+	3.88E-13	4.1185E-12	0.233978	hyper	sig	chr22_50304991
chr13	1.12E+08	111534798	+	3.881E-13	4.1192E-12	0.244964	hyper	sig	chr13_111534798
chr10	1.33E+08	132827531	+	3.882E-13	4.1206E-12	-0.20591	hypo	sig	chr10_132827531
chr7	4833707	4833707	+	3.882E-13	4.1207E-12	-0.2803	hypo	sig	chr7_4833707

chr9	1.09E+08	109014429	+	3.883E-13	4.1209E-12	0.301082	hyper	sig	chr9_109014429
chr1	50426613	50426613	+	3.883E-13	4.1213E-12	0.253472	hyper	sig	chr1_50426613
chr17	3536042	3536042	+	3.886E-13	4.1238E-12	0.228803	hyper	sig	chr17_3536042
chr8	23226086	23226086	+	3.886E-13	4.1244E-12	-0.31477	hypo	sig	chr8_23226086
chr17	334160	334160	+	3.89E-13	4.1283E-12	0.232366	hyper	sig	chr17_334160
chr14	1.02E+08	101891621	+	3.891E-13	4.1291E-12	-0.2418	hypo	sig	chr14_101891621
chr6	1.66E+08	166165665	+	3.891E-13	4.1297E-12	0.241092	hyper	sig	chr6_166165665
chr7	30682294	30682294	+	3.895E-13	4.1336E-12	0.217957	hyper	sig	chr7_30682294
chr16	49488426	49488426	+	3.896E-13	4.1344E-12	-0.24364	hypo	sig	chr16_49488426
chr19	34577969	34577969	+	3.898E-13	4.1363E-12	0.339692	hyper	sig	chr19_34577969
chr14	22821660	22821660	+	3.904E-13	4.1423E-12	-0.25868	hypo	sig	chr14_22821660
chr7	1041001	1041001	+	3.908E-13	4.1462E-12	0.28761	hyper	sig	chr7_1041001
chr7	22666056	22666056	+	3.908E-13	4.1462E-12	-0.20531	hypo	sig	chr7_22666056
chr12	6375355	6375355	+	3.908E-13	4.1468E-12	-0.22223	hypo	sig	chr12_6375355
chr12	48995221	48995221	+	3.909E-13	4.1476E-12	0.238582	hyper	sig	chr12_48995221
chr1	16764633	16764633	+	3.911E-13	4.1492E-12	-0.22293	hypo	sig	chr1_16764633
chr1	1.65E+08	165355611	+	3.914E-13	4.1527E-12	0.241707	hyper	sig	chr1_165355611
chr3	1.33E+08	133038266	+	3.914E-13	4.1528E-12	0.221652	hyper	sig	chr3_133038266
chr17	52160271	52160271	+	3.916E-13	4.1542E-12	0.247797	hyper	sig	chr17_52160271
chr11	1338818	1338818	+	3.917E-13	4.1556E-12	-0.25426	hypo	sig	chr11_1338818
chr14	52125068	52125068	+	3.924E-13	4.1626E-12	-0.2329	hypo	sig	chr14_52125068
chr11	77039106	77039106	+	3.924E-13	4.1632E-12	-0.28861	hypo	sig	chr11_77039106
chr6	73263454	73263454	+	3.925E-13	4.1643E-12	0.232153	hyper	sig	chr6_73263454
chr9	30575810	30575810	+	3.928E-13	4.1664E-12	-0.2108	hypo	sig	chr9_30575810
chr5	1.73E+08	172672678	+	3.929E-13	4.1677E-12	-0.2198	hypo	sig	chr5_172672678
chr1	3360019	3360019	+	3.929E-13	4.1678E-12	-0.24381	hypo	sig	chr1_3360019
chr12	53927527	53927527	+	3.929E-13	4.1682E-12	0.205869	hyper	sig	chr12_53927527
chr16	31373508	31373508	+	3.932E-13	4.1706E-12	-0.26083	hypo	sig	chr16_31373508
chr10	26212102	26212102	+	3.932E-13	4.1707E-12	0.230532	hyper	sig	chr10_26212102
chr4	8345526	8345526	+	3.936E-13	4.1751E-12	-0.28155	hypo	sig	chr4_8345526
chr1	2.36E+08	235642394	+	3.939E-13	4.1775E-12	-0.24661	hypo	sig	chr1_235642394
chr8	1.44E+08	143568480	+	3.942E-13	4.1809E-12	0.218678	hyper	sig	chr8_143568480
chr15	81418777	81418777	+	3.942E-13	4.181E-12	-0.20876	hypo	sig	chr15_81418777
chr2	2.41E+08	241049833	+	3.943E-13	4.1819E-12	0.225132	hyper	sig	chr2_241049833
chr2	1.62E+08	162241000	+	3.944E-13	4.1831E-12	-0.21908	hypo	sig	chr2_162241000
chr3	1.54E+08	154122586	+	3.945E-13	4.1834E-12	0.227959	hyper	sig	chr3_154122586
chr5	95843046	95843046	+	3.945E-13	4.184E-12	-0.21545	hypo	sig	chr5_95843046
chr3	1.39E+08	138939780	+	3.948E-13	4.1865E-12	0.222284	hyper	sig	chr3_138939780
chr7	1.57E+08	157078485	+	3.95E-13	4.1885E-12	0.233896	hyper	sig	chr7_157078485
chr6	84773337	84773337	+	3.952E-13	4.1908E-12	0.235794	hyper	sig	chr6_84773337
chr17	80002851	80002851	+	3.952E-13	4.1912E-12	-0.26648	hypo	sig	chr17_80002851
chr11	1.25E+08	125167386	+	3.952E-13	4.1914E-12	0.212764	hyper	sig	chr11_125167386
chr11	1.34E+08	133967506	+	3.953E-13	4.1917E-12	0.202795	hyper	sig	chr11_133967506
chr10	1.05E+08	104640075	+	3.953E-13	4.1921E-12	0.279292	hyper	sig	chr10_104640075
chr5	1477154	1477154	+	3.954E-13	4.1925E-12	-0.20531	hypo	sig	chr5_1477154
chr1	15424659	15424659	+	3.956E-13	4.1945E-12	-0.32101	hypo	sig	chr1_15424659
chr7	1.13E+08	113086569	+	3.957E-13	4.1954E-12	0.232973	hyper	sig	chr7_113086569
chr6	99602701	99602701	+	3.957E-13	4.1956E-12	0.242909	hyper	sig	chr6_99602701
chr13	27976108	27976108	+	3.958E-13	4.1966E-12	0.289262	hyper	sig	chr13_27976108
chr7	1.55E+08	155399221	+	3.96E-13	4.199E-12	-0.26959	hypo	sig	chr7_155399221
chr19	52453544	52453544	+	3.961E-13	4.1995E-12	0.221633	hyper	sig	chr19_52453544
chr2	94871465	94871465	+	3.961E-13	4.1996E-12	0.20009	hyper	sig	chr2_94871465
chr3	42692254	42692254	+	3.961E-13	4.1997E-12	-0.23091	hypo	sig	chr3_42692254
chr14	99757508	99757508	+	3.963E-13	4.2021E-12	-0.2286	hypo	sig	chr14_99757508
chr13	40922843	40922843	+	3.971E-13	4.2097E-12	-0.28071	hypo	sig	chr13_40922843
chr2	25376593	25376593	+	3.976E-13	4.2152E-12	0.22678	hyper	sig	chr2_25376593

chr6	1.61E+08	160679636	+	3.977E-13	4.2167E-12	0.210534	hyper	sig	chr6_160679636
chr2	72931480	72931480	+	3.979E-13	4.2184E-12	-0.23357	hypo	sig	chr2_72931480
chr1	3186446	3186446	+	3.98E-13	4.2196E-12	0.271504	hyper	sig	chr1_3186446
chr5	1.41E+08	141157381	+	3.981E-13	4.2206E-12	0.260269	hyper	sig	chr5_141157381
chr17	65538437	65538437	+	3.984E-13	4.2233E-12	-0.23058	hypo	sig	chr17_65538437
chr17	78460204	78460204	+	3.99E-13	4.2295E-12	-0.26962	hypo	sig	chr17_78460204
chr19	40226327	40226327	+	3.991E-13	4.2306E-12	0.275957	hyper	sig	chr19_40226327
chr9	98709594	98709594	+	3.992E-13	4.232E-12	0.270631	hyper	sig	chr9_98709594
chr3	1.35E+08	134799501	+	3.993E-13	4.233E-12	0.248367	hyper	sig	chr3_134799501
chr10	83565101	83565101	+	3.996E-13	4.2352E-12	-0.20509	hypo	sig	chr10_83565101
chr1	63320345	63320345	+	3.999E-13	4.2383E-12	0.215159	hyper	sig	chr1_63320345
chr2	1E+08	100426727	+	4.007E-13	4.2467E-12	-0.2526	hypo	sig	chr2_100426727
chr8	1514948	1514948	+	4.009E-13	4.2497E-12	-0.20945	hypo	sig	chr8_1514948
chr13	1.14E+08	114049672	+	4.01E-13	4.2501E-12	-0.239	hypo	sig	chr13_114049672
chr1	23436588	23436588	+	4.013E-13	4.2532E-12	-0.23443	hypo	sig	chr1_23436588
chr19	7533607	7533607	+	4.014E-13	4.2539E-12	0.246873	hyper	sig	chr19_7533607
chr15	82648685	82648685	+	4.014E-13	4.2543E-12	0.264352	hyper	sig	chr15_82648685
chr9	1050905	1050905	+	4.015E-13	4.2551E-12	-0.20072	hypo	sig	chr9_1050905
chr17	6068712	6068712	+	4.018E-13	4.2585E-12	0.204733	hyper	sig	chr17_6068712
chr16	566838	566838	+	4.02E-13	4.2609E-12	0.252056	hyper	sig	chr16_566838
chr20	21515956	21515956	+	4.024E-13	4.2641E-12	0.274873	hyper	sig	chr20_21515956
chr12	1.3E+08	130017487	+	4.024E-13	4.2646E-12	0.220753	hyper	sig	chr12_130017487
chr14	1.04E+08	104303943	+	4.025E-13	4.2652E-12	-0.25978	hypo	sig	chr14_104303943
chr14	1.01E+08	100691635	+	4.026E-13	4.2659E-12	-0.23085	hypo	sig	chr14_100691635
chr8	2033485	2033485	+	4.026E-13	4.2662E-12	-0.20352	hypo	sig	chr8_2033485
chr19	1466525	1466525	+	4.027E-13	4.2675E-12	0.286618	hyper	sig	chr19_1466525
chr16	1201765	1201765	+	4.028E-13	4.2682E-12	-0.20145	hypo	sig	chr16_1201765
chr3	47010025	47010025	+	4.029E-13	4.2696E-12	0.322264	hyper	sig	chr3_47010025
chr19	58043111	58043111	+	4.036E-13	4.2763E-12	0.249414	hyper	sig	chr19_58043111
chr10	45224442	45224442	+	4.036E-13	4.2768E-12	-0.25041	hypo	sig	chr10_45224442
chr6	30814267	30814267	+	4.042E-13	4.2822E-12	-0.30684	hypo	sig	chr6_30814267
chr7	75395382	75395382	+	4.042E-13	4.2822E-12	0.293962	hyper	sig	chr7_75395382
chr3	1.6E+08	159840028	+	4.043E-13	4.2831E-12	0.286214	hyper	sig	chr3_159840028
chr10	1.04E+08	103585056	+	4.043E-13	4.2839E-12	0.242461	hyper	sig	chr10_103585056
chr12	1536797	1536797	+	4.043E-13	4.2839E-12	-0.31029	hypo	sig	chr12_1536797
chr1	27659551	27659551	+	4.045E-13	4.2859E-12	-0.20136	hypo	sig	chr1_27659551
chr20	9507224	9507224	+	4.048E-13	4.2882E-12	0.289972	hyper	sig	chr20_9507224
chr2	38515480	38515480	+	4.049E-13	4.2898E-12	0.217373	hyper	sig	chr2_38515480
chr14	75979781	75979781	+	4.053E-13	4.2935E-12	0.261816	hyper	sig	chr14_75979781
chr9	1.37E+08	136885256	+	4.057E-13	4.2976E-12	-0.21481	hypo	sig	chr9_136885256
chr2	1.31E+08	131041331	+	4.057E-13	4.2982E-12	0.230836	hyper	sig	chr2_131041331
chr22	44729491	44729491	+	4.059E-13	4.2993E-12	0.258529	hyper	sig	chr22_44729491
chr5	1.77E+08	177117047	+	4.059E-13	4.2999E-12	0.205887	hyper	sig	chr5_177117047
chr12	1.29E+08	128945502	+	4.061E-13	4.3013E-12	-0.23235	hypo	sig	chr12_128945502
chr16	67163826	67163826	+	4.062E-13	4.3022E-12	0.288212	hyper	sig	chr16_67163826
chr11	1.23E+08	122977768	+	4.063E-13	4.3032E-12	0.249965	hyper	sig	chr11_122977768
chr5	1.74E+08	173578654	+	4.064E-13	4.3042E-12	-0.28393	hypo	sig	chr5_173578654
chr19	5691934	5691934	+	4.065E-13	4.3056E-12	-0.22407	hypo	sig	chr19_5691934
chr5	1.19E+08	119355249	+	4.066E-13	4.3063E-12	-0.23281	hypo	sig	chr5_119355249
chr7	1.56E+08	155806394	+	4.066E-13	4.3065E-12	0.268901	hyper	sig	chr7_155806394
chr5	1207028	1207028	+	4.066E-13	4.3066E-12	0.212408	hyper	sig	chr5_1207028
chr19	32869709	32869709	+	4.067E-13	4.3072E-12	-0.26933	hypo	sig	chr19_32869709
chr16	29332279	29332279	+	4.072E-13	4.3127E-12	-0.26123	hypo	sig	chr16_29332279
chr17	1137715	1137715	+	4.072E-13	4.3127E-12	-0.26085	hypo	sig	chr17_1137715
chr22	48500666	48500666	+	4.073E-13	4.3135E-12	-0.20277	hypo	sig	chr22_48500666
chr17	80919152	80919152	+	4.076E-13	4.3168E-12	0.208266	hyper	sig	chr17_80919152

chr1	93919466	93919466	+	4.077E-13	4.3173E-12	-0.21688	hypo	sig	chr1_93919466
chr1	3001542	3001542	+	4.077E-13	4.3178E-12	-0.28159	hypo	sig	chr1_3001542
chr7	1.56E+08	155540756	+	4.078E-13	4.3179E-12	-0.28041	hypo	sig	chr7_155540756
chr7	74372996	74372996	+	4.078E-13	4.3181E-12	0.359013	hyper	sig	chr7_74372996
chr15	25171661	25171661	+	4.085E-13	4.3254E-12	-0.25167	hypo	sig	chr15_25171661
chr10	72089348	72089348	+	4.088E-13	4.3291E-12	-0.25213	hypo	sig	chr10_72089348
chr5	1.11E+08	111070785	+	4.09E-13	4.3308E-12	0.211665	hyper	sig	chr5_111070785
chr17	10197900	10197900	+	4.093E-13	4.3335E-12	0.220471	hyper	sig	chr17_10197900
chr16	56194635	56194635	+	4.093E-13	4.3342E-12	0.201201	hyper	sig	chr16_56194635
chr7	5187747	5187747	+	4.093E-13	4.3343E-12	-0.22732	hypo	sig	chr7_5187747
chr16	565926	565926	+	4.094E-13	4.3347E-12	0.265407	hyper	sig	chr16_565926
chr3	1.33E+08	133037936	+	4.094E-13	4.3352E-12	0.22332	hyper	sig	chr3_133037936
chr10	49769084	49769084	+	4.097E-13	4.3379E-12	0.336066	hyper	sig	chr10_49769084
chr11	2383238	2383238	+	4.103E-13	4.3435E-12	0.30497	hyper	sig	chr11_2383238
chr1	3027327	3027327	+	4.103E-13	4.3435E-12	-0.25712	hypo	sig	chr1_3027327
chr15	96366613	96366613	+	4.104E-13	4.3446E-12	0.231404	hyper	sig	chr15_96366613
chr10	1.32E+08	132250695	+	4.106E-13	4.347E-12	-0.22607	hypo	sig	chr10_132250695
chr4	1.11E+08	110633810	+	4.108E-13	4.3493E-12	0.249178	hyper	sig	chr4_110633810
chr6	15256676	15256676	+	4.115E-13	4.3562E-12	0.240092	hyper	sig	chr6_15256676
chr10	1.23E+08	123133512	+	4.12E-13	4.3617E-12	0.280328	hyper	sig	chr10_123133512
chr22	30325554	30325554	+	4.12E-13	4.3618E-12	0.216936	hyper	sig	chr22_30325554
chr7	98616565	98616565	+	4.126E-13	4.3671E-12	0.342175	hyper	sig	chr7_98616565
chr14	37622195	37622195	+	4.129E-13	4.3703E-12	0.250202	hyper	sig	chr14_37622195
chr12	1.32E+08	132353480	+	4.129E-13	4.3705E-12	0.267865	hyper	sig	chr12_132353480
chr2	1.19E+08	118852123	+	4.13E-13	4.372E-12	0.265633	hyper	sig	chr2_118852123
chr5	76169778	76169778	+	4.132E-13	4.3741E-12	-0.24647	hypo	sig	chr5_76169778
chr5	1.55E+08	154631911	+	4.134E-13	4.3753E-12	-0.3125	hypo	sig	chr5_154631911
chr14	1.04E+08	103711225	+	4.135E-13	4.3764E-12	-0.24901	hypo	sig	chr14_103711225
chr1	2478410	2478410	+	4.136E-13	4.3775E-12	-0.20974	hypo	sig	chr1_2478410
chr21	34072821	34072821	+	4.136E-13	4.3775E-12	0.257623	hyper	sig	chr21_34072821
chr12	85278203	85278203	+	4.136E-13	4.3778E-12	0.202771	hyper	sig	chr12_85278203
chr20	24469709	24469709	+	4.141E-13	4.3826E-12	0.218509	hyper	sig	chr20_24469709
chr15	62940943	62940943	+	4.142E-13	4.3832E-12	0.213294	hyper	sig	chr15_62940943
chr16	3029792	3029792	+	4.142E-13	4.3838E-12	0.236606	hyper	sig	chr16_3029792
chr18	77056101	77056101	+	4.143E-13	4.3846E-12	-0.28113	hypo	sig	chr18_77056101
chr19	19262930	19262930	+	4.149E-13	4.3903E-12	0.221035	hyper	sig	chr19_19262930
chr20	30922602	30922602	+	4.149E-13	4.3904E-12	0.263915	hyper	sig	chr20_30922602
chr3	52518852	52518852	+	4.156E-13	4.3981E-12	0.26684	hyper	sig	chr3_52518852
chr3	1.34E+08	133674301	+	4.156E-13	4.3982E-12	0.28844	hyper	sig	chr3_133674301
chr1	1.81E+08	180926732	+	4.156E-13	4.3983E-12	0.228361	hyper	sig	chr1_180926732
chr15	31297145	31297145	+	4.16E-13	4.4017E-12	-0.20617	hypo	sig	chr15_31297145
chr10	1.33E+08	132940782	+	4.16E-13	4.4024E-12	-0.27164	hypo	sig	chr10_132940782
chr6	1.38E+08	137879155	+	4.161E-13	4.4032E-12	0.250636	hyper	sig	chr6_137879155
chr1	10530470	10530470	+	4.163E-13	4.4047E-12	0.335931	hyper	sig	chr1_10530470
chr6	1.7E+08	170023594	+	4.165E-13	4.4076E-12	0.375661	hyper	sig	chr6_170023594
chr12	47996201	47996201	+	4.166E-13	4.4083E-12	0.213219	hyper	sig	chr12_47996201
chr1	1.11E+08	110674864	+	4.168E-13	4.4095E-12	0.355597	hyper	sig	chr1_110674864
chr16	85574512	85574512	+	4.171E-13	4.4126E-12	0.229469	hyper	sig	chr16_85574512
chr10	1.11E+08	110528011	+	4.171E-13	4.4134E-12	-0.25702	hypo	sig	chr10_110528011
chr7	1.56E+08	155532857	+	4.172E-13	4.4137E-12	0.200524	hyper	sig	chr7_155532857
chr16	1205483	1205483	+	4.172E-13	4.4139E-12	-0.2387	hypo	sig	chr16_1205483
chr6	1.67E+08	166870843	+	4.174E-13	4.4161E-12	-0.27033	hypo	sig	chr6_166870843
chr6	1.16E+08	115833344	+	4.175E-13	4.4164E-12	-0.28832	hypo	sig	chr6_115833344
chr19	50728592	50728592	+	4.176E-13	4.4178E-12	0.278586	hyper	sig	chr19_50728592
chr16	4264238	4264238	+	4.178E-13	4.4195E-12	0.242478	hyper	sig	chr16_4264238
chr7	1246624	1246624	+	4.179E-13	4.4205E-12	0.292062	hyper	sig	chr7_1246624

chr3	1.95E+08	195105655	+	4.18E-13	4.4217E-12	-0.257	hypo	sig	chr3_195105655
chr3	1.82E+08	181710519	+	4.185E-13	4.4274E-12	0.272303	hyper	sig	chr3_181710519
chr20	21397060	21397060	+	4.188E-13	4.4295E-12	0.252507	hyper	sig	chr20_21397060
chr19	18787590	18787590	+	4.189E-13	4.4311E-12	0.247629	hyper	sig	chr19_18787590
chr15	37095143	37095143	+	4.193E-13	4.4356E-12	0.32326	hyper	sig	chr15_37095143
chr6	30172097	30172097	+	4.195E-13	4.4366E-12	0.269515	hyper	sig	chr6_30172097
chr11	18455805	18455805	+	4.197E-13	4.4391E-12	0.283448	hyper	sig	chr11_18455805
chr3	1.57E+08	157120388	+	4.2E-13	4.4426E-12	-0.20059	hypo	sig	chr3_157120388
chr1	32886144	32886144	+	4.201E-13	4.4431E-12	0.234247	hyper	sig	chr1_32886144
chr5	524148	524148	+	4.203E-13	4.4447E-12	0.239214	hyper	sig	chr5_524148
chr6	1.7E+08	170098372	+	4.203E-13	4.4449E-12	-0.22103	hypo	sig	chr6_170098372
chr11	2141176	2141176	+	4.204E-13	4.4465E-12	0.247546	hyper	sig	chr11_2141176
chr1	22808542	22808542	+	4.215E-13	4.4578E-12	0.249819	hyper	sig	chr1_22808542
chr15	67826183	67826183	+	4.215E-13	4.4578E-12	0.239311	hyper	sig	chr15_67826183
chr16	2853207	2853207	+	4.215E-13	4.4578E-12	0.262038	hyper	sig	chr16_2853207
chr15	43517288	43517288	+	4.216E-13	4.4584E-12	0.257459	hyper	sig	chr15_43517288
chr9	1.37E+08	136821314	+	4.216E-13	4.4588E-12	0.253746	hyper	sig	chr9_136821314
chr12	6132695	6132695	+	4.219E-13	4.4616E-12	0.241326	hyper	sig	chr12_6132695
chr1	12549586	12549586	+	4.221E-13	4.463E-12	-0.26878	hypo	sig	chr1_12549586
chr4	1.53E+08	152681133	+	4.222E-13	4.4643E-12	-0.24105	hypo	sig	chr4_152681133
chr16	88968412	88968412	+	4.222E-13	4.4645E-12	-0.2796	hypo	sig	chr16_88968412
chr3	54626865	54626865	+	4.225E-13	4.4668E-12	-0.27767	hypo	sig	chr3_54626865
chr16	1257523	1257523	+	4.226E-13	4.4687E-12	-0.31572	hypo	sig	chr16_1257523
chr1	15727220	15727220	+	4.23E-13	4.4721E-12	0.285153	hyper	sig	chr1_15727220
chr7	1.17E+08	117322884	+	4.231E-13	4.4739E-12	0.281325	hyper	sig	chr7_117322884
chr19	29671659	29671659	+	4.234E-13	4.4762E-12	0.239661	hyper	sig	chr19_29671659
chr13	25301053	25301053	+	4.235E-13	4.4774E-12	0.254759	hyper	sig	chr13_25301053
chr12	75209717	75209717	+	4.239E-13	4.4819E-12	0.225942	hyper	sig	chr12_75209717
chr12	57454737	57454737	+	4.24E-13	4.4822E-12	-0.34936	hypo	sig	chr12_57454737
chr3	1.2E+08	119810115	+	4.24E-13	4.4826E-12	0.284568	hyper	sig	chr3_119810115
chr16	88102025	88102025	+	4.242E-13	4.4843E-12	0.247694	hyper	sig	chr16_88102025
chr11	1.14E+08	114076405	+	4.243E-13	4.485E-12	-0.20289	hypo	sig	chr11_114076405
chr17	81330883	81330883	+	4.243E-13	4.4858E-12	-0.23161	hypo	sig	chr17_81330883
chr4	4226430	4226430	+	4.244E-13	4.4862E-12	0.275264	hyper	sig	chr4_4226430
chr7	4845918	4845918	+	4.244E-13	4.4865E-12	-0.23031	hypo	sig	chr7_4845918
chr15	89372025	89372025	+	4.246E-13	4.488E-12	0.272339	hyper	sig	chr15_89372025
chr3	1.56E+08	156120528	+	4.247E-13	4.4892E-12	-0.2596	hypo	sig	chr3_156120528
chr2	66426973	66426973	+	4.248E-13	4.4898E-12	0.211078	hyper	sig	chr2_66426973
chr16	165433	165433	+	4.248E-13	4.49E-12	0.239873	hyper	sig	chr16_165433
chr4	1.17E+08	116925966	+	4.251E-13	4.4931E-12	0.206159	hyper	sig	chr4_116925966
chr5	1.79E+08	179195119	+	4.256E-13	4.4981E-12	-0.27133	hypo	sig	chr5_179195119
chr6	30358013	30358013	+	4.256E-13	4.4988E-12	0.220466	hyper	sig	chr6_30358013
chr8	1.41E+08	141358261	+	4.258E-13	4.501E-12	0.251228	hyper	sig	chr8_141358261
chr9	37787105	37787105	+	4.26E-13	4.5027E-12	0.276066	hyper	sig	chr9_37787105
chr16	1112525	1112525	+	4.261E-13	4.5035E-12	-0.2224	hypo	sig	chr16_1112525
chr5	1.81E+08	180684984	+	4.261E-13	4.5039E-12	-0.22918	hypo	sig	chr5_180684984
chr1	26913987	26913987	+	4.262E-13	4.5046E-12	-0.21846	hypo	sig	chr1_26913987
chr13	1.12E+08	111893724	+	4.263E-13	4.5054E-12	0.252644	hyper	sig	chr13_111893724
chr13	20391823	20391823	+	4.263E-13	4.5058E-12	-0.32869	hypo	sig	chr13_20391823
chr7	1087271	1087271	+	4.263E-13	4.5059E-12	0.240611	hyper	sig	chr7_1087271
chr2	2.18E+08	218381853	+	4.264E-13	4.5059E-12	-0.21171	hypo	sig	chr2_218381853
chr21	45875301	45875301	+	4.264E-13	4.5064E-12	0.25473	hyper	sig	chr21_45875301
chr4	3286328	3286328	+	4.266E-13	4.5081E-12	-0.25838	hypo	sig	chr4_3286328
chr20	44356335	44356335	+	4.275E-13	4.5177E-12	-0.34146	hypo	sig	chr20_44356335
chr2	1.18E+08	117603661	+	4.276E-13	4.5185E-12	0.202913	hyper	sig	chr2_117603661
chr16	31354797	31354797	+	4.279E-13	4.5221E-12	-0.23671	hypo	sig	chr16_31354797

chr20	36856531	36856531	+	4.28E-13	4.5228E-12	0.238083	hyper	sig	chr20_36856531
chr16	51113936	51113936	+	4.281E-13	4.5235E-12	0.296449	hyper	sig	chr16_51113936
chr19	45385577	45385577	+	4.281E-13	4.524E-12	0.299973	hyper	sig	chr19_45385577
chr7	1.29E+08	128910838	+	4.283E-13	4.526E-12	0.308454	hyper	sig	chr7_128910838
chr1	2331072	2331072	+	4.285E-13	4.5279E-12	0.282315	hyper	sig	chr1_2331072
chr14	1.01E+08	100875101	+	4.287E-13	4.53E-12	-0.23364	hypo	sig	chr14_100875101
chr11	1.15E+08	115178750	+	4.294E-13	4.5364E-12	-0.2634	hypo	sig	chr11_115178750
chr10	1.33E+08	132722593	+	4.295E-13	4.5373E-12	0.227455	hyper	sig	chr10_132722593
chr3	27722998	27722998	+	4.296E-13	4.5383E-12	0.244798	hyper	sig	chr3_27722998
chr2	1.08E+08	107987010	+	4.297E-13	4.5401E-12	0.271355	hyper	sig	chr2_107987010
chr15	52788729	52788729	+	4.301E-13	4.5437E-12	0.28355	hyper	sig	chr15_52788729
chr19	45935375	45935375	+	4.302E-13	4.5447E-12	-0.24443	hypo	sig	chr19_45935375
chr5	3597548	3597548	+	4.302E-13	4.545E-12	0.224276	hyper	sig	chr5_3597548
chr17	42311788	42311788	+	4.307E-13	4.5499E-12	0.276896	hyper	sig	chr17_42311788
chr3	1.47E+08	147357301	+	4.311E-13	4.5537E-12	0.209913	hyper	sig	chr3_147357301
chr17	36482955	36482955	+	4.313E-13	4.5561E-12	0.270249	hyper	sig	chr17_36482955
chr12	34379144	34379144	+	4.314E-13	4.5574E-12	-0.24531	hypo	sig	chr12_34379144
chr1	2.31E+08	231336296	+	4.317E-13	4.5598E-12	-0.20895	hypo	sig	chr1_231336296
chr7	1.51E+08	151187751	+	4.317E-13	4.5598E-12	-0.27698	hypo	sig	chr7_151187751
chr10	1.29E+08	129411311	+	4.318E-13	4.5614E-12	-0.20173	hypo	sig	chr10_129411311
chr8	42691658	42691658	+	4.319E-13	4.5621E-12	-0.26935	hypo	sig	chr8_42691658
chr5	1.69E+08	169301570	+	4.319E-13	4.5621E-12	0.235556	hyper	sig	chr5_169301570
chr4	41752075	41752075	+	4.322E-13	4.5648E-12	0.262164	hyper	sig	chr4_41752075
chr19	34905613	34905613	+	4.323E-13	4.5657E-12	0.229004	hyper	sig	chr19_34905613
chr19	3785830	3785830	+	4.326E-13	4.5695E-12	0.227515	hyper	sig	chr19_3785830
chr13	21319390	21319390	+	4.327E-13	4.5701E-12	0.272145	hyper	sig	chr13_21319390
chr22	33918317	33918317	+	4.328E-13	4.5709E-12	0.258409	hyper	sig	chr22_33918317
chr20	40684042	40684042	+	4.329E-13	4.5721E-12	-0.2529	hypo	sig	chr20_40684042
chr5	535985	535985	+	4.329E-13	4.5723E-12	-0.26909	hypo	sig	chr5_535985
chr1	16521183	16521183	+	4.337E-13	4.5798E-12	0.265981	hyper	sig	chr1_16521183
chr14	1.06E+08	106397584	+	4.339E-13	4.5827E-12	-0.20474	hypo	sig	chr14_106397584
chr8	1.08E+08	108082273	+	4.346E-13	4.5899E-12	0.28249	hyper	sig	chr8_108082273
chr5	1.47E+08	147480222	+	4.352E-13	4.5955E-12	-0.21926	hypo	sig	chr5_147480222
chr20	21511089	21511089	+	4.356E-13	4.5999E-12	0.246437	hyper	sig	chr20_21511089
chr16	1533968	1533968	+	4.358E-13	4.6017E-12	0.235858	hyper	sig	chr16_1533968
chr17	42686963	42686963	+	4.359E-13	4.6027E-12	0.246957	hyper	sig	chr17_42686963
chr5	1.11E+08	111070926	+	4.359E-13	4.6029E-12	0.244551	hyper	sig	chr5_111070926
chr16	31095519	31095519	+	4.359E-13	4.603E-12	-0.22811	hypo	sig	chr16_31095519
chr7	1.58E+08	158390310	+	4.36E-13	4.6035E-12	-0.20548	hypo	sig	chr7_158390310
chr20	50189604	50189604	+	4.36E-13	4.6039E-12	-0.29099	hypo	sig	chr20_50189604
chr5	1394557	1394557	+	4.362E-13	4.605E-12	0.252881	hyper	sig	chr5_1394557
chr5	37835025	37835025	+	4.362E-13	4.6058E-12	0.266832	hyper	sig	chr5_37835025
chr7	983321	983321	+	4.363E-13	4.6068E-12	0.220057	hyper	sig	chr7_983321
chr10	90857113	90857113	+	4.365E-13	4.6081E-12	0.264687	hyper	sig	chr10_90857113
chr6	1.63E+08	163300975	+	4.365E-13	4.6084E-12	-0.27132	hypo	sig	chr6_163300975
chr9	1.37E+08	136696291	+	4.365E-13	4.6084E-12	-0.22422	hypo	sig	chr9_136696291
chr13	1.14E+08	114015322	+	4.366E-13	4.6095E-12	-0.24516	hypo	sig	chr13_114015322
chr5	73301249	73301249	+	4.372E-13	4.615E-12	0.232419	hyper	sig	chr5_73301249
chr12	1.09E+08	108880040	+	4.373E-13	4.6164E-12	-0.22084	hypo	sig	chr12_108880040
chr6	84773276	84773276	+	4.377E-13	4.6207E-12	0.224645	hyper	sig	chr6_84773276
chr6	1.63E+08	163334062	+	4.378E-13	4.6215E-12	-0.20849	hypo	sig	chr6_163334062
chr1	1.57E+08	156845749	+	4.378E-13	4.6216E-12	0.20452	hyper	sig	chr1_156845749
chr5	1.41E+08	141419506	+	4.38E-13	4.6233E-12	0.255424	hyper	sig	chr5_141419506
chr8	11799226	11799226	+	4.381E-13	4.624E-12	-0.29148	hypo	sig	chr8_11799226
chr3	1.97E+08	196661816	+	4.382E-13	4.6253E-12	-0.22036	hypo	sig	chr3_196661816
chr5	19988276	19988276	+	4.384E-13	4.6276E-12	0.2229	hyper	sig	chr5_19988276

chr7	1.56E+08	155997555	+	4.385E-13	4.6281E-12	0.235196	hyper	sig	chr7_155997555
chr9	88400079	88400079	+	4.386E-13	4.6286E-12	0.257052	hyper	sig	chr9_88400079
chr17	75844787	75844787	+	4.388E-13	4.6306E-12	-0.2738	hypo	sig	chr17_75844787
chr9	1.38E+08	137873772	+	4.388E-13	4.6311E-12	-0.24872	hypo	sig	chr9_137873772
chr10	49441979	49441979	+	4.388E-13	4.6314E-12	0.293122	hyper	sig	chr10_49441979
chr1	9827946	9827946	+	4.389E-13	4.6324E-12	-0.24373	hypo	sig	chr1_9827946
chr9	1.35E+08	135491026	+	4.393E-13	4.6359E-12	0.299351	hyper	sig	chr9_135491026
chr8	39314467	39314467	+	4.393E-13	4.6361E-12	0.24087	hyper	sig	chr8_39314467
chr7	1.55E+08	155470674	+	4.394E-13	4.6374E-12	0.285927	hyper	sig	chr7_155470674
chr1	16015635	16015635	+	4.396E-13	4.6385E-12	0.211443	hyper	sig	chr1_16015635
chr4	3649837	3649837	+	4.398E-13	4.6411E-12	-0.3585	hypo	sig	chr4_3649837
chr1	2.03E+08	203277384	+	4.403E-13	4.6457E-12	0.230651	hyper	sig	chr1_203277384
chr19	49527808	49527808	+	4.403E-13	4.646E-12	0.245867	hyper	sig	chr19_49527808
chr14	97219501	97219501	+	4.404E-13	4.6476E-12	0.226132	hyper	sig	chr14_97219501
chr10	1.18E+08	117533032	+	4.406E-13	4.6494E-12	0.227642	hyper	sig	chr10_117533032
chr13	40922660	40922660	+	4.408E-13	4.6515E-12	-0.25721	hypo	sig	chr13_40922660
chr1	20473277	20473277	+	4.411E-13	4.6539E-12	0.215107	hyper	sig	chr1_20473277
chr17	81865565	81865565	+	4.413E-13	4.6562E-12	-0.27496	hypo	sig	chr17_81865565
chr16	31183933	31183933	+	4.413E-13	4.6565E-12	0.219286	hyper	sig	chr16_31183933
chr10	1.32E+08	131980135	+	4.414E-13	4.6576E-12	0.204258	hyper	sig	chr10_131980135
chr15	52791378	52791378	+	4.415E-13	4.6586E-12	0.203214	hyper	sig	chr15_52791378
chr17	76915465	76915465	+	4.417E-13	4.6604E-12	-0.24352	hypo	sig	chr17_76915465
chr3	1.23E+08	123447765	+	4.423E-13	4.6663E-12	0.327223	hyper	sig	chr3_123447765
chr17	3655405	3655405	+	4.423E-13	4.6667E-12	-0.2459	hypo	sig	chr17_3655405
chr15	25799178	25799178	+	4.425E-13	4.6681E-12	-0.32926	hypo	sig	chr15_25799178
chr11	1.19E+08	118609861	+	4.428E-13	4.6712E-12	-0.22631	hypo	sig	chr11_118609861
chr7	1.5E+08	150047827	+	4.428E-13	4.6712E-12	0.201463	hyper	sig	chr7_150047827
chr5	1.41E+08	141361794	+	4.429E-13	4.6724E-12	0.267411	hyper	sig	chr5_141361794
chr2	2.08E+08	207771218	+	4.43E-13	4.6736E-12	-0.22285	hypo	sig	chr2_207771218
chr10	1.17E+08	117138499	+	4.434E-13	4.6769E-12	0.265471	hyper	sig	chr10_117138499
chr19	18650476	18650476	+	4.437E-13	4.68E-12	0.218176	hyper	sig	chr19_18650476
chr14	60486190	60486190	+	4.439E-13	4.6822E-12	0.271347	hyper	sig	chr14_60486190
chr10	1.32E+08	132445291	+	4.441E-13	4.6848E-12	-0.22551	hypo	sig	chr10_132445291
chr22	39652285	39652285	+	4.442E-13	4.6858E-12	-0.31468	hypo	sig	chr22_39652285
chr5	1.4E+08	140109038	+	4.445E-13	4.688E-12	-0.21013	hypo	sig	chr5_140109038
chr17	41316141	41316141	+	4.445E-13	4.6881E-12	-0.23416	hypo	sig	chr17_41316141
chr16	3196099	3196099	+	4.445E-13	4.6883E-12	-0.21448	hypo	sig	chr16_3196099
chr1	2.03E+08	203131929	+	4.449E-13	4.6925E-12	-0.24274	hypo	sig	chr1_203131929
chr1	1.57E+08	156816851	+	4.45E-13	4.6935E-12	-0.29444	hypo	sig	chr1_156816851
chr2	1.83E+08	182867353	+	4.451E-13	4.6948E-12	0.265302	hyper	sig	chr2_182867353
chr9	1.24E+08	124017578	+	4.454E-13	4.6973E-12	0.220311	hyper	sig	chr9_124017578
chr8	56446218	56446218	+	4.454E-13	4.6979E-12	0.313297	hyper	sig	chr8_56446218
chr11	1.29E+08	128687047	+	4.456E-13	4.6994E-12	0.211364	hyper	sig	chr11_128687047
chr7	1.4E+08	140059745	+	4.457E-13	4.7003E-12	-0.28155	hypo	sig	chr7_140059745
chr19	49527806	49527806	+	4.461E-13	4.7042E-12	0.231624	hyper	sig	chr19_49527806
chr16	86567553	86567553	+	4.462E-13	4.7054E-12	0.215931	hyper	sig	chr16_86567553
chr16	643232	643232	+	4.464E-13	4.7073E-12	-0.28198	hypo	sig	chr16_643232
chr13	1.12E+08	111535129	+	4.465E-13	4.7086E-12	0.215541	hyper	sig	chr13_111535129
chr15	45111596	45111596	+	4.466E-13	4.7092E-12	0.279326	hyper	sig	chr15_45111596
chr7	1.58E+08	157501663	+	4.466E-13	4.7093E-12	-0.20844	hypo	sig	chr7_157501663
chr4	1.85E+08	185129144	+	4.467E-13	4.711E-12	0.225291	hyper	sig	chr4_185129144
chr1	1.57E+08	156584032	+	4.475E-13	4.719E-12	0.311272	hyper	sig	chr1_156584032
chr2	64643369	64643369	+	4.476E-13	4.72E-12	-0.21662	hypo	sig	chr2_64643369
chr16	55331884	55331884	+	4.479E-13	4.7226E-12	0.308879	hyper	sig	chr16_55331884
chr1	2428569	2428569	+	4.481E-13	4.7246E-12	-0.21012	hypo	sig	chr1_2428569
chr10	1.33E+08	133326212	+	4.481E-13	4.725E-12	0.212741	hyper	sig	chr10_133326212

chr17	28982151	28982151	+	4.486E-13	4.7296E-12	-0.20274	hypo	sig	chr17_28982151
chr21	46661734	46661734	+	4.486E-13	4.7298E-12	0.27634	hyper	sig	chr21_46661734
chr1	1.19E+08	118988023	+	4.487E-13	4.7306E-12	0.265049	hyper	sig	chr1_118988023
chr6	10883838	10883838	+	4.487E-13	4.7306E-12	0.293627	hyper	sig	chr6_10883838
chr1	929647	929647	+	4.491E-13	4.7353E-12	-0.20695	hypo	sig	chr1_929647
chr1	2.29E+08	229432604	+	4.498E-13	4.7419E-12	0.266966	hyper	sig	chr1_229432604
chr2	1490466	1490466	+	4.498E-13	4.7421E-12	-0.21367	hypo	sig	chr2_1490466
chr9	1.37E+08	137139621	+	4.505E-13	4.7491E-12	0.239139	hyper	sig	chr9_137139621
chr16	87604841	87604841	+	4.508E-13	4.752E-12	-0.24091	hypo	sig	chr16_87604841
chr18	46329917	46329917	+	4.508E-13	4.7524E-12	-0.26346	hypo	sig	chr18_46329917
chr15	70584935	70584935	+	4.508E-13	4.7526E-12	-0.23704	hypo	sig	chr15_70584935
chr17	4433987	4433987	+	4.512E-13	4.7564E-12	-0.23828	hypo	sig	chr17_4433987
chr8	1.44E+08	144429426	+	4.514E-13	4.7584E-12	-0.22494	hypo	sig	chr8_144429426
chr1	1.13E+08	112509922	+	4.518E-13	4.762E-12	-0.25673	hypo	sig	chr1_112509922
chr10	1.19E+08	118595851	+	4.518E-13	4.762E-12	0.304452	hyper	sig	chr10_118595851
chr1	57423347	57423347	+	4.522E-13	4.7658E-12	0.223225	hyper	sig	chr1_57423347
chr2	85411412	85411412	+	4.522E-13	4.7664E-12	-0.21309	hypo	sig	chr2_85411412
chr14	69850520	69850520	+	4.522E-13	4.7665E-12	-0.26993	hypo	sig	chr14_69850520
chr12	1.32E+08	132275528	+	4.526E-13	4.7703E-12	-0.27288	hypo	sig	chr12_132275528
chr20	61285884	61285884	+	4.528E-13	4.7722E-12	-0.32382	hypo	sig	chr20_61285884
chr1	3321543	3321543	+	4.529E-13	4.7728E-12	-0.30669	hypo	sig	chr1_3321543
chr19	34839271	34839271	+	4.53E-13	4.7746E-12	0.211305	hyper	sig	chr19_34839271
chr7	15685895	15685895	+	4.532E-13	4.7758E-12	0.245652	hyper	sig	chr7_15685895
chr17	38551598	38551598	+	4.532E-13	4.776E-12	-0.2088	hypo	sig	chr17_38551598
chr7	42227831	42227831	+	4.533E-13	4.7768E-12	-0.20829	hypo	sig	chr7_42227831
chr11	45652742	45652742	+	4.535E-13	4.779E-12	-0.25081	hypo	sig	chr11_45652742
chr11	69099272	69099272	+	4.536E-13	4.78E-12	-0.25954	hypo	sig	chr11_69099272
chr20	57263399	57263399	+	4.536E-13	4.7804E-12	-0.29594	hypo	sig	chr20_57263399
chr2	70887655	70887655	+	4.536E-13	4.7805E-12	0.23664	hyper	sig	chr2_70887655
chr5	1.41E+08	141355180	+	4.536E-13	4.7805E-12	0.205468	hyper	sig	chr5_141355180
chr15	65356529	65356529	+	4.537E-13	4.7806E-12	-0.31567	hypo	sig	chr15_65356529
chr7	37916327	37916327	+	4.538E-13	4.7824E-12	0.235698	hyper	sig	chr7_37916327
chr20	63005354	63005354	+	4.539E-13	4.7825E-12	0.323267	hyper	sig	chr20_63005354
chr17	825563	825563	+	4.539E-13	4.7832E-12	-0.22521	hypo	sig	chr17_825563
chr11	1.25E+08	124747513	+	4.54E-13	4.7836E-12	0.239926	hyper	sig	chr11_124747513
chr3	71070244	71070244	+	4.541E-13	4.7844E-12	0.200478	hyper	sig	chr3_71070244
chr9	1.37E+08	136656807	+	4.541E-13	4.7848E-12	-0.24575	hypo	sig	chr9_136656807
chr10	1.17E+08	117133919	+	4.541E-13	4.785E-12	0.201769	hyper	sig	chr10_117133919
chr13	40922056	40922056	+	4.544E-13	4.7878E-12	-0.23843	hypo	sig	chr13_40922056
chr2	9820556	9820556	+	4.546E-13	4.7898E-12	-0.27956	hypo	sig	chr2_9820556
chr7	29289754	29289754	+	4.546E-13	4.7901E-12	-0.20225	hypo	sig	chr7_29289754
chr4	54110034	54110034	+	4.549E-13	4.7923E-12	0.246485	hyper	sig	chr4_54110034
chr10	46578121	46578121	+	4.549E-13	4.7932E-12	0.339557	hyper	sig	chr10_46578121
chr4	1.85E+08	185004874	+	4.55E-13	4.7941E-12	0.227858	hyper	sig	chr4_185004874
chr19	33775135	33775135	+	4.55E-13	4.7941E-12	-0.23388	hypo	sig	chr19_33775135
chr17	57874706	57874706	+	4.551E-13	4.7948E-12	0.256266	hyper	sig	chr17_57874706
chr17	17445697	17445697	+	4.552E-13	4.7952E-12	-0.24342	hypo	sig	chr17_17445697
chr7	5528084	5528084	+	4.553E-13	4.7965E-12	0.211279	hyper	sig	chr7_5528084
chr1	50047997	50047997	+	4.553E-13	4.7968E-12	0.243101	hyper	sig	chr1_50047997
chr11	628793	628793	+	4.553E-13	4.7968E-12	-0.33621	hypo	sig	chr11_628793
chr16	25696945	25696945	+	4.555E-13	4.7985E-12	-0.25325	hypo	sig	chr16_25696945
chr10	1.14E+08	114320801	+	4.555E-13	4.7985E-12	-0.28452	hypo	sig	chr10_114320801
chr2	61180314	61180314	+	4.559E-13	4.8019E-12	0.289572	hyper	sig	chr2_61180314
chr19	47457605	47457605	+	4.56E-13	4.8032E-12	-0.22337	hypo	sig	chr19_47457605
chr11	420689	420689	+	4.562E-13	4.8049E-12	0.285526	hyper	sig	chr11_420689
chr19	42424938	42424938	+	4.562E-13	4.8049E-12	-0.23469	hypo	sig	chr19_42424938

chr10	59175863	59175863	+	4.562E-13	4.8052E-12	0.253113	hyper	sig	chr10_59175863
chr3	1.54E+08	154122538	+	4.562E-13	4.8052E-12	0.235328	hyper	sig	chr3_154122538
chr17	1005474	1005474	+	4.563E-13	4.8062E-12	0.235072	hyper	sig	chr17_1005474
chr14	1.01E+08	100569432	+	4.565E-13	4.8081E-12	0.317162	hyper	sig	chr14_100569432
chr19	1177586	1177586	+	4.565E-13	4.8083E-12	-0.2366	hypo	sig	chr19_1177586
chr15	22776299	22776299	+	4.566E-13	4.8091E-12	-0.35991	hypo	sig	chr15_22776299
chr1	1.47E+08	147073151	+	4.569E-13	4.8118E-12	0.273124	hyper	sig	chr1_147073151
chr14	1.04E+08	104385767	+	4.569E-13	4.8122E-12	-0.23069	hypo	sig	chr14_104385767
chr17	64774670	64774670	+	4.57E-13	4.8125E-12	-0.20614	hypo	sig	chr17_64774670
chr10	12043994	12043994	+	4.57E-13	4.8126E-12	-0.21252	hypo	sig	chr10_12043994
chr2	1.09E+08	109173339	+	4.574E-13	4.8167E-12	0.252031	hyper	sig	chr2_109173339
chr22	50578528	50578528	+	4.577E-13	4.82E-12	0.29733	hyper	sig	chr22_50578528
chr8	1.41E+08	141027442	+	4.577E-13	4.8202E-12	-0.20899	hypo	sig	chr8_141027442
chr7	73886604	73886604	+	4.579E-13	4.8216E-12	0.275856	hyper	sig	chr7_73886604
chr13	1.08E+08	108495585	+	4.579E-13	4.8217E-12	0.321766	hyper	sig	chr13_108495585
chr8	60877431	60877431	+	4.579E-13	4.8222E-12	-0.26082	hypo	sig	chr8_60877431
chr1	2.36E+08	236396035	+	4.583E-13	4.826E-12	0.294113	hyper	sig	chr1_236396035
chr2	2.39E+08	239078163	+	4.586E-13	4.8295E-12	0.239678	hyper	sig	chr2_239078163
chr16	7304372	7304372	+	4.587E-13	4.8296E-12	0.218537	hyper	sig	chr16_7304372
chr4	1.83E+08	182842409	+	4.587E-13	4.8297E-12	-0.20606	hypo	sig	chr4_182842409
chr1	1.58E+08	158184035	+	4.587E-13	4.8302E-12	-0.27172	hypo	sig	chr1_158184035
chr2	2.39E+08	239109767	+	4.588E-13	4.8304E-12	0.223698	hyper	sig	chr2_239109767
chr3	6861589	6861589	+	4.593E-13	4.8357E-12	0.315488	hyper	sig	chr3_6861589
chr1	1.57E+08	156642583	+	4.593E-13	4.8362E-12	0.299146	hyper	sig	chr1_156642583
chr5	759635	759635	+	4.596E-13	4.8385E-12	0.257823	hyper	sig	chr5_759635
chr10	97975241	97975241	+	4.596E-13	4.8386E-12	0.216113	hyper	sig	chr10_97975241
chr5	1.41E+08	141421638	+	4.596E-13	4.8387E-12	0.265888	hyper	sig	chr5_141421638
chr10	69416745	69416745	+	4.597E-13	4.8398E-12	0.226585	hyper	sig	chr10_69416745
chr7	56233372	56233372	+	4.602E-13	4.8451E-12	-0.25069	hypo	sig	chr7_56233372
chr16	229930	229930	+	4.606E-13	4.8494E-12	-0.32805	hypo	sig	chr16_229930
chr19	57583762	57583762	+	4.609E-13	4.852E-12	0.256125	hyper	sig	chr19_57583762
chr11	1.26E+08	125905305	+	4.615E-13	4.8579E-12	-0.22965	hypo	sig	chr11_125905305
chr1	2.21E+08	220878632	+	4.615E-13	4.8581E-12	0.202959	hyper	sig	chr1_220878632
chr5	77545721	77545721	+	4.618E-13	4.8615E-12	-0.20157	hypo	sig	chr5_77545721
chr4	8172463	8172463	+	4.619E-13	4.8626E-12	-0.30423	hypo	sig	chr4_8172463
chr6	1.7E+08	170152695	+	4.621E-13	4.8645E-12	-0.26266	hypo	sig	chr6_170152695
chr12	54047316	54047316	+	4.621E-13	4.8647E-12	0.243116	hyper	sig	chr12_54047316
chr6	1.59E+08	158516233	+	4.623E-13	4.8659E-12	0.254284	hyper	sig	chr6_158516233
chr8	1422136	1422136	+	4.623E-13	4.866E-12	-0.20254	hypo	sig	chr8_1422136
chr1	2.14E+08	214303839	+	4.626E-13	4.8691E-12	0.295337	hyper	sig	chr1_214303839
chr1	90719213	90719213	+	4.626E-13	4.8695E-12	0.257391	hyper	sig	chr1_90719213
chr3	1.13E+08	113441610	+	4.631E-13	4.8744E-12	0.231919	hyper	sig	chr3_113441610
chr6	55578959	55578959	+	4.631E-13	4.8744E-12	0.217378	hyper	sig	chr6_55578959
chr2	1.31E+08	130964832	+	4.633E-13	4.876E-12	0.305316	hyper	sig	chr2_130964832
chr20	64100707	64100707	+	4.639E-13	4.8825E-12	-0.23325	hypo	sig	chr20_64100707
chr17	7855116	7855116	+	4.64E-13	4.8828E-12	0.227767	hyper	sig	chr17_7855116
chr3	1.47E+08	147389113	+	4.64E-13	4.8828E-12	0.200239	hyper	sig	chr3_147389113
chr4	1.9E+08	190017250	+	4.641E-13	4.8839E-12	0.308647	hyper	sig	chr4_190017250
chr5	1.73E+08	173234012	+	4.641E-13	4.884E-12	0.283547	hyper	sig	chr5_173234012
chr8	67952311	67952311	+	4.653E-13	4.8966E-12	0.329545	hyper	sig	chr8_67952311
chr5	33504798	33504798	+	4.654E-13	4.8971E-12	-0.25237	hypo	sig	chr5_33504798
chr8	868778	868778	+	4.659E-13	4.902E-12	-0.21476	hypo	sig	chr8_868778
chr1	15140060	15140060	+	4.659E-13	4.9026E-12	-0.23522	hypo	sig	chr1_15140060
chr17	19287163	19287163	+	4.66E-13	4.903E-12	0.206652	hyper	sig	chr17_19287163
chr12	1.29E+08	128976498	+	4.664E-13	4.9077E-12	0.234102	hyper	sig	chr12_128976498
chr11	65607571	65607571	+	4.665E-13	4.9081E-12	0.234701	hyper	sig	chr11_65607571

chr5	73444892	73444892	+	4.665E-13	4.9082E-12	0.223769	hyper	sig	chr5_73444892
chr2	2.39E+08	239331595	+	4.67E-13	4.9139E-12	0.20404	hyper	sig	chr2_239331595
chr6	1.5E+08	149861044	+	4.671E-13	4.9141E-12	-0.24734	hypo	sig	chr6_149861044
chr1	90727035	90727035	+	4.674E-13	4.9176E-12	0.240004	hyper	sig	chr1_90727035
chr5	3188011	3188011	+	4.678E-13	4.9216E-12	0.252764	hyper	sig	chr5_3188011
chr8	70034940	70034940	+	4.68E-13	4.9237E-12	0.293631	hyper	sig	chr8_70034940
chr17	34157106	34157106	+	4.681E-13	4.9248E-12	0.226825	hyper	sig	chr17_34157106
chr10	68561486	68561486	+	4.682E-13	4.9249E-12	0.223721	hyper	sig	chr10_68561486
chr10	1.33E+08	133110498	+	4.682E-13	4.9257E-12	-0.25546	hypo	sig	chr10_133110498
chr19	36113712	36113712	+	4.684E-13	4.9271E-12	0.239242	hyper	sig	chr19_36113712
chr4	1.9E+08	190015813	+	4.686E-13	4.9297E-12	0.289336	hyper	sig	chr4_190015813
chr3	26622913	26622913	+	4.688E-13	4.9314E-12	0.249518	hyper	sig	chr3_26622913
chr2	1.78E+08	178404505	+	4.689E-13	4.9324E-12	-0.20323	hypo	sig	chr2_178404505
chr3	1.94E+08	194398329	+	4.69E-13	4.9329E-12	0.20311	hyper	sig	chr3_194398329
chr10	1.22E+08	121596141	+	4.691E-13	4.934E-12	0.305617	hyper	sig	chr10_121596141
chr12	6374566	6374566	+	4.692E-13	4.9351E-12	-0.20685	hypo	sig	chr12_6374566
chr3	47322707	47322707	+	4.701E-13	4.9442E-12	0.215527	hyper	sig	chr3_47322707
chr16	70173401	70173401	+	4.701E-13	4.9447E-12	-0.25374	hypo	sig	chr16_70173401
chr16	3242971	3242971	+	4.702E-13	4.9457E-12	-0.24007	hypo	sig	chr16_3242971
chr10	8051486	8051486	+	4.703E-13	4.9461E-12	0.265154	hyper	sig	chr10_8051486
chr7	4204646	4204646	+	4.707E-13	4.9502E-12	0.214391	hyper	sig	chr7_4204646
chr19	1523078	1523078	+	4.708E-13	4.9512E-12	-0.2512	hypo	sig	chr19_1523078
chr7	118944	118944	+	4.708E-13	4.9518E-12	-0.21014	hypo	sig	chr7_118944
chr16	1208860	1208860	+	4.71E-13	4.9531E-12	-0.27039	hypo	sig	chr16_1208860
chr11	64149260	64149260	+	4.713E-13	4.9562E-12	0.209411	hyper	sig	chr11_64149260
chr12	1.32E+08	132271705	+	4.713E-13	4.9567E-12	-0.26123	hypo	sig	chr12_132271705
chr17	81026915	81026915	+	4.713E-13	4.9567E-12	0.223451	hyper	sig	chr17_81026915
chr7	1.51E+08	151392666	+	4.721E-13	4.9643E-12	-0.22986	hypo	sig	chr7_151392666
chr12	1.24E+08	124387841	+	4.723E-13	4.9668E-12	0.33369	hyper	sig	chr12_124387841
chr17	48541922	48541922	+	4.724E-13	4.9672E-12	0.289989	hyper	sig	chr17_48541922
chr16	3251400	3251400	+	4.726E-13	4.9695E-12	-0.29362	hypo	sig	chr16_3251400
chr11	1.25E+08	124843462	+	4.727E-13	4.97E-12	0.227659	hyper	sig	chr11_124843462
chr1	50416383	50416383	+	4.727E-13	4.9706E-12	0.297436	hyper	sig	chr1_50416383
chr16	3939475	3939475	+	4.73E-13	4.9728E-12	0.230413	hyper	sig	chr16_3939475
chr6	1.27E+08	127118445	+	4.733E-13	4.9761E-12	0.284677	hyper	sig	chr6_127118445
chr11	1.19E+08	119338828	+	4.739E-13	4.9823E-12	0.266097	hyper	sig	chr11_119338828
chr5	1752683	1752683	+	4.749E-13	4.992E-12	-0.28461	hypo	sig	chr5_1752683
chr19	51327380	51327380	+	4.752E-13	4.995E-12	0.349959	hyper	sig	chr19_51327380
chr17	78569096	78569096	+	4.753E-13	4.9963E-12	-0.22273	hypo	sig	chr17_78569096
chr12	45050370	45050370	+	4.753E-13	4.9966E-12	0.20967	hyper	sig	chr12_45050370
chr8	1.2E+08	119673115	+	4.755E-13	4.9982E-12	0.204266	hyper	sig	chr8_119673115
chr5	1.68E+08	168261642	+	4.755E-13	4.9985E-12	-0.20874	hypo	sig	chr5_168261642
chr10	73656117	73656117	+	4.757E-13	5.0006E-12	0.277818	hyper	sig	chr10_73656117
chr13	1.13E+08	113417615	+	4.76E-13	5.0029E-12	-0.24017	hypo	sig	chr13_113417615
chr17	81400604	81400604	+	4.761E-13	5.0043E-12	0.25357	hyper	sig	chr17_81400604
chr17	44915346	44915346	+	4.762E-13	5.0055E-12	-0.2428	hypo	sig	chr17_44915346
chr11	1.29E+08	128824237	+	4.765E-13	5.008E-12	0.279434	hyper	sig	chr11_128824237
chr7	945273	945273	+	4.765E-13	5.0081E-12	-0.29581	hypo	sig	chr7_945273
chr7	1.56E+08	155533076	+	4.765E-13	5.0081E-12	0.211532	hyper	sig	chr7_155533076
chr4	1.66E+08	165874472	+	4.766E-13	5.0089E-12	0.246837	hyper	sig	chr4_165874472
chr2	8453859	8453859	+	4.769E-13	5.0123E-12	-0.21254	hypo	sig	chr2_8453859
chr16	3055862	3055862	+	4.769E-13	5.0125E-12	0.272511	hyper	sig	chr16_3055862
chr8	1.43E+08	142917730	+	4.771E-13	5.0138E-12	-0.23591	hypo	sig	chr8_142917730
chr12	33438386	33438386	+	4.773E-13	5.0161E-12	0.255957	hyper	sig	chr12_33438386
chr10	1.33E+08	132942232	+	4.78E-13	5.0235E-12	0.270438	hyper	sig	chr10_132942232
chr7	1.56E+08	155806383	+	4.783E-13	5.0266E-12	0.25	hyper	sig	chr7_155806383

chr12	14696397	14696397	+	4.787E-13	5.03E-12	-0.24417	hypo	sig	chr12_14696397
chr2	70889606	70889606	+	4.79E-13	5.0331E-12	0.225243	hyper	sig	chr2_70889606
chr16	1258128	1258128	+	4.793E-13	5.0359E-12	-0.25349	hypo	sig	chr16_1258128
chr7	1.58E+08	158141073	+	4.797E-13	5.0401E-12	-0.24891	hypo	sig	chr7_158141073
chr3	14306009	14306009	+	4.801E-13	5.0448E-12	-0.29492	hypo	sig	chr3_14306009
chr13	1.13E+08	112973207	+	4.807E-13	5.0504E-12	-0.27321	hypo	sig	chr13_112973207
chr19	50259128	50259128	+	4.81E-13	5.054E-12	0.251805	hyper	sig	chr19_50259128
chr10	1.33E+08	133241285	+	4.819E-13	5.0623E-12	-0.22499	hypo	sig	chr10_133241285
chr11	65866669	65866669	+	4.821E-13	5.0649E-12	0.27055	hyper	sig	chr11_65866669
chr16	1533935	1533935	+	4.827E-13	5.0705E-12	0.227546	hyper	sig	chr16_1533935
chr22	19029313	19029313	+	4.828E-13	5.0716E-12	0.251388	hyper	sig	chr22_19029313
chr18	79650237	79650237	+	4.829E-13	5.0733E-12	-0.23447	hypo	sig	chr18_79650237
chr2	987967	987967	+	4.832E-13	5.0762E-12	-0.22775	hypo	sig	chr2_987967
chr6	1.68E+08	168377075	+	4.836E-13	5.0797E-12	-0.21605	hypo	sig	chr6_168377075
chr10	1.32E+08	132447867	+	4.837E-13	5.0811E-12	-0.26234	hypo	sig	chr10_132447867
chr16	3957818	3957818	+	4.838E-13	5.0819E-12	-0.38545	hypo	sig	chr16_3957818
chr14	37602589	37602589	+	4.844E-13	5.0885E-12	0.336349	hyper	sig	chr14_37602589
chr11	637028	637028	+	4.852E-13	5.0964E-12	0.224813	hyper	sig	chr11_637028
chr1	1.19E+08	118984853	+	4.859E-13	5.104E-12	0.253372	hyper	sig	chr1_118984853
chr20	31473908	31473908	+	4.86E-13	5.1049E-12	-0.23831	hypo	sig	chr20_31473908
chr9	1.11E+08	110579744	+	4.863E-13	5.1074E-12	0.226979	hyper	sig	chr9_110579744
chr1	1.44E+08	143699330	+	4.863E-13	5.1076E-12	0.233195	hyper	sig	chr1_143699330
chr1	1.61E+08	161079726	+	4.864E-13	5.1082E-12	0.243136	hyper	sig	chr1_161079726
chr1	6729837	6729837	+	4.868E-13	5.1128E-12	-0.23523	hypo	sig	chr1_6729837
chr7	1.49E+08	149206095	+	4.872E-13	5.1166E-12	-0.20347	hypo	sig	chr7_149206095
chr5	88673023	88673023	+	4.875E-13	5.1191E-12	0.225069	hyper	sig	chr5_88673023
chr17	58277914	58277914	+	4.889E-13	5.1333E-12	-0.21568	hypo	sig	chr17_58277914
chr17	82000452	82000452	+	4.89E-13	5.1344E-12	-0.26418	hypo	sig	chr17_82000452
chr16	1066062	1066062	+	4.892E-13	5.136E-12	0.304583	hyper	sig	chr16_1066062
chr1	1.56E+08	156241684	+	4.892E-13	5.1365E-12	-0.23178	hypo	sig	chr1_156241684
chr13	42573881	42573881	+	4.894E-13	5.1385E-12	-0.21496	hypo	sig	chr13_42573881
chr17	38578585	38578585	+	4.895E-13	5.1392E-12	0.223779	hyper	sig	chr17_38578585
chr2	66439601	66439601	+	4.895E-13	5.1398E-12	0.273036	hyper	sig	chr2_66439601
chr2	1.81E+08	181456814	+	4.896E-13	5.1398E-12	0.220373	hyper	sig	chr2_181456814
chr3	1.47E+08	147389295	+	4.901E-13	5.1452E-12	0.227059	hyper	sig	chr3_147389295
chr10	42898674	42898674	+	4.902E-13	5.1462E-12	0.330108	hyper	sig	chr10_42898674
chr4	41866169	41866169	+	4.903E-13	5.1473E-12	0.273918	hyper	sig	chr4_41866169
chr7	5303290	5303290	+	4.904E-13	5.1482E-12	-0.2772	hypo	sig	chr7_5303290
chr6	33010771	33010771	+	4.906E-13	5.1504E-12	-0.20676	hypo	sig	chr6_33010771
chr12	84912070	84912070	+	4.909E-13	5.1537E-12	0.211113	hyper	sig	chr12_84912070
chr10	90857254	90857254	+	4.91E-13	5.1549E-12	0.291556	hyper	sig	chr10_90857254
chr9	1.36E+08	136198170	+	4.912E-13	5.1563E-12	0.204078	hyper	sig	chr9_136198170
chr17	81447726	81447726	+	4.914E-13	5.1582E-12	-0.24337	hypo	sig	chr17_81447726
chr17	30378129	30378129	+	4.916E-13	5.16E-12	0.20335	hyper	sig	chr17_30378129
chr20	54476696	54476696	+	4.916E-13	5.1605E-12	0.280597	hyper	sig	chr20_54476696
chr17	7855484	7855484	+	4.918E-13	5.1618E-12	0.314777	hyper	sig	chr17_7855484
chr16	86578767	86578767	+	4.919E-13	5.1628E-12	0.264178	hyper	sig	chr16_86578767
chr1	2.02E+08	202161216	+	4.922E-13	5.1667E-12	-0.25584	hypo	sig	chr1_202161216
chr7	1769624	1769624	+	4.924E-13	5.1686E-12	-0.23856	hypo	sig	chr7_1769624
chr20	63521861	63521861	+	4.927E-13	5.171E-12	0.282115	hyper	sig	chr20_63521861
chr18	23872824	23872824	+	4.928E-13	5.1726E-12	-0.25346	hypo	sig	chr18_23872824
chr12	1.32E+08	131668100	+	4.928E-13	5.1727E-12	-0.20939	hypo	sig	chr12_131668100
chr6	10385194	10385194	+	4.929E-13	5.1731E-12	0.29033	hyper	sig	chr6_10385194
chr18	46757858	46757858	+	4.933E-13	5.1773E-12	0.207197	hyper	sig	chr18_46757858
chr1	1.51E+08	150580341	+	4.934E-13	5.1785E-12	0.247438	hyper	sig	chr1_150580341
chr11	1047664	1047664	+	4.936E-13	5.18E-12	-0.2175	hypo	sig	chr11_1047664

chr17	48571145	48571145	+	4.943E-13	5.1874E-12	0.235223	hyper	sig	chr17_48571145
chr1	1.54E+08	153568288	+	4.944E-13	5.1883E-12	-0.26556	hypo	sig	chr1_153568288
chr10	23175126	23175126	+	4.945E-13	5.1892E-12	0.248605	hyper	sig	chr10_23175126
chr1	2.28E+08	227766396	+	4.947E-13	5.1908E-12	-0.2013	hypo	sig	chr1_227766396
chr2	1.21E+08	120868008	+	4.952E-13	5.1965E-12	0.26644	hyper	sig	chr2_120868008
chr11	46361456	46361456	+	4.954E-13	5.1979E-12	0.286047	hyper	sig	chr11_46361456
chr10	23191183	23191183	+	4.954E-13	5.1984E-12	0.225431	hyper	sig	chr10_23191183
chr4	1576218	1576218	+	4.958E-13	5.2018E-12	-0.20294	hypo	sig	chr4_1576218
chr19	38569700	38569700	+	4.958E-13	5.2018E-12	-0.22603	hypo	sig	chr19_38569700
chr12	7639938	7639938	+	4.96E-13	5.2038E-12	0.22133	hyper	sig	chr12_7639938
chr15	77641371	77641371	+	4.96E-13	5.2038E-12	-0.26799	hypo	sig	chr15_77641371
chr13	78586893	78586893	+	4.961E-13	5.2047E-12	0.213507	hyper	sig	chr13_78586893
chr17	6685037	6685037	+	4.962E-13	5.2061E-12	-0.21827	hypo	sig	chr17_6685037
chr22	46088096	46088096	+	4.963E-13	5.2066E-12	0.248915	hyper	sig	chr22_46088096
chr20	57261168	57261168	+	4.964E-13	5.2081E-12	0.234441	hyper	sig	chr20_57261168
chr19	10713174	10713174	+	4.965E-13	5.2087E-12	-0.26703	hypo	sig	chr19_10713174
chr7	1.57E+08	157499174	+	4.966E-13	5.2098E-12	-0.22277	hypo	sig	chr7_157499174
chr14	37611459	37611459	+	4.969E-13	5.2134E-12	0.395103	hyper	sig	chr14_37611459
chr1	47444191	47444191	+	4.97E-13	5.2141E-12	0.280901	hyper	sig	chr1_47444191
chr9	1.36E+08	135987794	+	4.971E-13	5.2149E-12	-0.22204	hypo	sig	chr9_135987794
chr1	1.55E+08	154567598	+	4.972E-13	5.2154E-12	0.208697	hyper	sig	chr1_154567598
chr8	11642156	11642156	+	4.972E-13	5.2157E-12	-0.22888	hypo	sig	chr8_11642156
chr5	1.8E+08	179519854	+	4.974E-13	5.2182E-12	-0.26768	hypo	sig	chr5_179519854
chr11	1.23E+08	122976802	+	4.979E-13	5.2226E-12	0.315262	hyper	sig	chr11_122976802
chr11	18455813	18455813	+	4.981E-13	5.225E-12	0.289589	hyper	sig	chr11_18455813
chr5	1.41E+08	140795291	+	4.983E-13	5.2266E-12	0.24406	hyper	sig	chr5_140795291
chr11	1.34E+08	134471409	+	4.984E-13	5.2278E-12	0.221414	hyper	sig	chr11_134471409
chr3	43998451	43998451	+	4.99E-13	5.2345E-12	0.213016	hyper	sig	chr3_43998451
chr20	6051986	6051986	+	4.997E-13	5.2418E-12	0.256743	hyper	sig	chr20_6051986
chr13	1.13E+08	113060471	+	4.998E-13	5.2422E-12	0.256989	hyper	sig	chr13_113060471
chr13	99955695	99955695	+	5E-13	5.2442E-12	0.204895	hyper	sig	chr13_99955695
chr4	879879	879879	+	5.001E-13	5.245E-12	-0.24022	hypo	sig	chr4_879879
chr12	1.17E+08	116882494	+	5.003E-13	5.2473E-12	0.218782	hyper	sig	chr12_116882494
chr5	25200263	25200263	+	5.006E-13	5.2499E-12	-0.21704	hypo	sig	chr5_25200263
chr9	1.33E+08	132579564	+	5.005E-13	5.2499E-12	0.269573	hyper	sig	chr9_132579564
chr15	76340745	76340745	+	5.008E-13	5.2523E-12	-0.24573	hypo	sig	chr15_76340745
chr4	17709288	17709288	+	5.011E-13	5.2553E-12	-0.22986	hypo	sig	chr4_17709288
chr6	28988722	28988722	+	5.012E-13	5.2567E-12	0.213035	hyper	sig	chr6_28988722
chr2	11869594	11869594	+	5.017E-13	5.2611E-12	-0.28844	hypo	sig	chr2_11869594
chr14	36663222	36663222	+	5.024E-13	5.2685E-12	0.220518	hyper	sig	chr14_36663222
chr21	26967853	26967853	+	5.026E-13	5.27E-12	0.206415	hyper	sig	chr21_26967853
chr12	46831133	46831133	+	5.026E-13	5.2703E-12	0.24537	hyper	sig	chr12_46831133
chr1	75137192	75137192	+	5.029E-13	5.2729E-12	0.229876	hyper	sig	chr1_75137192
chr3	1.98E+08	197520040	+	5.032E-13	5.2768E-12	-0.31122	hypo	sig	chr3_197520040
chr17	42671498	42671498	+	5.034E-13	5.2781E-12	-0.22322	hypo	sig	chr17_42671498
chr16	29154186	29154186	+	5.04E-13	5.2841E-12	-0.25586	hypo	sig	chr16_29154186
chr14	1.04E+08	103718873	+	5.041E-13	5.285E-12	0.28926	hyper	sig	chr14_103718873
chr6	26017882	26017882	+	5.041E-13	5.2853E-12	0.21052	hyper	sig	chr6_26017882
chr7	15687541	15687541	+	5.042E-13	5.2864E-12	0.242974	hyper	sig	chr7_15687541
chr8	48570799	48570799	+	5.047E-13	5.2916E-12	-0.25224	hypo	sig	chr8_48570799
chr12	3284599	3284599	+	5.048E-13	5.2923E-12	-0.23488	hypo	sig	chr12_3284599
chr19	1272975	1272975	+	5.049E-13	5.2933E-12	0.309088	hyper	sig	chr19_1272975
chr17	77409844	77409844	+	5.05E-13	5.2945E-12	0.274016	hyper	sig	chr17_77409844
chr15	26968016	26968016	+	5.051E-13	5.2954E-12	0.28923	hyper	sig	chr15_26968016
chr17	81008268	81008268	+	5.058E-13	5.3022E-12	-0.21244	hypo	sig	chr17_81008268
chr16	85173724	85173724	+	5.061E-13	5.3059E-12	0.268635	hyper	sig	chr16_85173724

chr7	63580081	63580081	+	5.063E-13	5.3072E-12	-0.27289	hypo	sig	chr7_63580081
chr19	55287050	55287050	+	5.064E-13	5.3089E-12	-0.22473	hypo	sig	chr19_55287050
chr11	1.3E+08	130428919	+	5.065E-13	5.3094E-12	0.233055	hyper	sig	chr11_130428919
chr6	1.08E+08	108115018	+	5.069E-13	5.3139E-12	0.239642	hyper	sig	chr6_108115018
chr1	2348012	2348012	+	5.07E-13	5.3147E-12	-0.26906	hypo	sig	chr1_2348012
chr11	637491	637491	+	5.07E-13	5.3147E-12	0.235535	hyper	sig	chr11_637491
chr19	11420890	11420890	+	5.072E-13	5.3166E-12	0.20343	hyper	sig	chr19_11420890
chr11	46295881	46295881	+	5.072E-13	5.3166E-12	0.33076	hyper	sig	chr11_46295881
chr1	3031274	3031274	+	5.082E-13	5.327E-12	-0.25974	hypo	sig	chr1_3031274
chr11	2807422	2807422	+	5.084E-13	5.3291E-12	0.261693	hyper	sig	chr11_2807422
chr20	9514673	9514673	+	5.089E-13	5.3333E-12	0.204707	hyper	sig	chr20_9514673
chr8	74985141	74985141	+	5.092E-13	5.3365E-12	0.286409	hyper	sig	chr8_74985141
chr5	31777221	31777221	+	5.092E-13	5.3366E-12	-0.21531	hypo	sig	chr5_31777221
chr7	1.5E+08	149776073	+	5.093E-13	5.3374E-12	-0.29136	hypo	sig	chr7_149776073
chr17	63533067	63533067	+	5.094E-13	5.3382E-12	-0.22781	hypo	sig	chr17_63533067
chr16	87822653	87822653	+	5.094E-13	5.3385E-12	0.235516	hyper	sig	chr16_87822653
chr16	15726994	15726994	+	5.097E-13	5.3416E-12	-0.25413	hypo	sig	chr16_15726994
chr13	36674691	36674691	+	5.097E-13	5.3418E-12	0.221724	hyper	sig	chr13_36674691
chr7	30682325	30682325	+	5.099E-13	5.3431E-12	0.222959	hyper	sig	chr7_30682325
chr8	74968149	74968149	+	5.1E-13	5.3447E-12	-0.23485	hypo	sig	chr8_74968149
chr6	1.34E+08	133838274	+	5.1E-13	5.3447E-12	-0.20203	hypo	sig	chr6_133838274
chr1	1.56E+08	156241692	+	5.102E-13	5.3462E-12	-0.22167	hypo	sig	chr1_156241692
chr7	27144057	27144057	+	5.104E-13	5.3489E-12	0.20612	hyper	sig	chr7_27144057
chr11	1.3E+08	130486807	+	5.105E-13	5.3495E-12	-0.25447	hypo	sig	chr11_130486807
chr11	17722087	17722087	+	5.106E-13	5.3502E-12	0.243581	hyper	sig	chr11_17722087
chr11	3232702	3232702	+	5.106E-13	5.3505E-12	0.206009	hyper	sig	chr11_3232702
chr9	16864731	16864731	+	5.109E-13	5.3539E-12	0.232067	hyper	sig	chr9_16864731
chr8	1.43E+08	143129219	+	5.11E-13	5.3546E-12	-0.22126	hypo	sig	chr8_143129219
chr18	26550908	26550908	+	5.112E-13	5.3563E-12	0.201195	hyper	sig	chr18_26550908
chr8	1163813	1163813	+	5.117E-13	5.3612E-12	0.258123	hyper	sig	chr8_1163813
chr21	36694647	36694647	+	5.118E-13	5.3622E-12	0.242971	hyper	sig	chr21_36694647
chr22	43397633	43397633	+	5.122E-13	5.3669E-12	-0.27871	hypo	sig	chr22_43397633
chr5	88683842	88683842	+	5.128E-13	5.3731E-12	0.201548	hyper	sig	chr5_88683842
chr17	36939420	36939420	+	5.129E-13	5.3735E-12	0.211836	hyper	sig	chr17_36939420
chr11	8315836	8315836	+	5.13E-13	5.3742E-12	0.209303	hyper	sig	chr11_8315836
chr5	1.41E+08	141365965	+	5.13E-13	5.375E-12	0.236457	hyper	sig	chr5_141365965
chr16	51156005	51156005	+	5.134E-13	5.379E-12	0.259809	hyper	sig	chr16_51156005
chr2	2.42E+08	241552576	+	5.137E-13	5.3817E-12	-0.21301	hypo	sig	chr2_241552576
chr2	862429	862429	+	5.139E-13	5.3832E-12	0.26815	hyper	sig	chr2_862429
chr8	69334342	69334342	+	5.139E-13	5.384E-12	-0.26747	hypo	sig	chr8_69334342
chr1	2E+08	200038359	+	5.14E-13	5.3846E-12	0.248756	hyper	sig	chr1_200038359
chr2	2.42E+08	241552573	+	5.141E-13	5.385E-12	-0.20689	hypo	sig	chr2_241552573
chr4	7965742	7965742	+	5.141E-13	5.3854E-12	-0.26086	hypo	sig	chr4_7965742
chr12	1.12E+08	112014620	+	5.142E-13	5.3862E-12	-0.26093	hypo	sig	chr12_112014620
chr19	41087297	41087297	+	5.143E-13	5.3875E-12	-0.20071	hypo	sig	chr19_41087297
chr4	40630843	40630843	+	5.144E-13	5.3879E-12	-0.23335	hypo	sig	chr4_40630843
chr3	62373310	62373310	+	5.147E-13	5.3916E-12	0.232002	hyper	sig	chr3_62373310
chr7	1230967	1230967	+	5.15E-13	5.3942E-12	0.270956	hyper	sig	chr7_1230967
chr14	69256009	69256009	+	5.151E-13	5.3952E-12	-0.26199	hypo	sig	chr14_69256009
chr1	69569467	69569467	+	5.153E-13	5.397E-12	0.239896	hyper	sig	chr1_69569467
chr19	29524884	29524884	+	5.155E-13	5.3991E-12	0.260284	hyper	sig	chr19_29524884
chr11	60852132	60852132	+	5.155E-13	5.3991E-12	-0.30129	hypo	sig	chr11_60852132
chr17	45425598	45425598	+	5.155E-13	5.3994E-12	-0.2051	hypo	sig	chr17_45425598
chr17	79801961	79801961	+	5.156E-13	5.4002E-12	0.233591	hyper	sig	chr17_79801961
chr4	1593651	1593651	+	5.157E-13	5.4007E-12	0.206802	hyper	sig	chr4_1593651
chr20	49910165	49910165	+	5.16E-13	5.4042E-12	-0.22874	hypo	sig	chr20_49910165

chr12	57727862	57727862	+	5.164E-13	5.4084E-12	0.359415	hyper	sig	chr12_57727862
chr21	45439303	45439303	+	5.167E-13	5.4107E-12	0.225625	hyper	sig	chr21_45439303
chr17	4901570	4901570	+	5.172E-13	5.4159E-12	0.207403	hyper	sig	chr17_4901570
chr6	10337553	10337553	+	5.172E-13	5.416E-12	-0.2406	hypo	sig	chr6_10337553
chr2	1.19E+08	118842871	+	5.176E-13	5.4199E-12	0.252885	hyper	sig	chr2_118842871
chr11	1.34E+08	134047209	+	5.178E-13	5.4217E-12	0.241538	hyper	sig	chr11_134047209
chr2	2.4E+08	240323981	+	5.18E-13	5.4239E-12	-0.23501	hypo	sig	chr2_240323981
chr16	87603093	87603093	+	5.181E-13	5.4251E-12	0.234614	hyper	sig	chr16_87603093
chr19	57230977	57230977	+	5.181E-13	5.4254E-12	0.208547	hyper	sig	chr19_57230977
chr1	22114558	22114558	+	5.182E-13	5.4258E-12	0.241078	hyper	sig	chr1_22114558
chr21	37006294	37006294	+	5.187E-13	5.4308E-12	0.280069	hyper	sig	chr21_37006294
chr3	1.7E+08	169659976	+	5.187E-13	5.4314E-12	0.234201	hyper	sig	chr3_169659976
chr18	78311652	78311652	+	5.188E-13	5.432E-12	-0.24537	hypo	sig	chr18_78311652
chr11	17736738	17736738	+	5.189E-13	5.4332E-12	0.262932	hyper	sig	chr11_17736738
chr1	9654275	9654275	+	5.191E-13	5.4353E-12	-0.25336	hypo	sig	chr1_9654275
chr1	12143622	12143622	+	5.195E-13	5.4388E-12	-0.20888	hypo	sig	chr1_12143622
chr19	1133002	1133002	+	5.196E-13	5.4398E-12	-0.25602	hypo	sig	chr19_1133002
chr7	1.22E+08	122315730	+	5.197E-13	5.4407E-12	0.219905	hyper	sig	chr7_122315730
chr16	88497818	88497818	+	5.2E-13	5.4436E-12	0.281404	hyper	sig	chr16_88497818
chr1	39952708	39952708	+	5.204E-13	5.4479E-12	0.245891	hyper	sig	chr1_39952708
chr2	2.19E+08	219289556	+	5.205E-13	5.4491E-12	0.219959	hyper	sig	chr2_219289556
chr14	1.07E+08	106845075	+	5.207E-13	5.4511E-12	-0.25484	hypo	sig	chr14_106845075
chr10	72089366	72089366	+	5.209E-13	5.4528E-12	-0.22829	hypo	sig	chr10_72089366
chr11	64972191	64972191	+	5.21E-13	5.4534E-12	0.281325	hyper	sig	chr11_64972191
chr10	1.28E+08	128214890	+	5.212E-13	5.4557E-12	-0.21026	hypo	sig	chr10_128214890
chr16	30031927	30031927	+	5.213E-13	5.457E-12	-0.24845	hypo	sig	chr16_30031927
chr9	1.34E+08	133565613	+	5.214E-13	5.4582E-12	0.36252	hyper	sig	chr9_133565613
chr12	1.14E+08	114443886	+	5.216E-13	5.4593E-12	0.22706	hyper	sig	chr12_114443886
chr5	1.46E+08	146340531	+	5.218E-13	5.4619E-12	0.276708	hyper	sig	chr5_146340531
chr16	85707854	85707854	+	5.219E-13	5.4624E-12	-0.22978	hypo	sig	chr16_85707854
chr2	1.63E+08	163348405	+	5.22E-13	5.4635E-12	0.236747	hyper	sig	chr2_163348405
chr12	1.17E+08	117042528	+	5.223E-13	5.4667E-12	-0.29495	hypo	sig	chr12_117042528
chr13	1.14E+08	114027213	+	5.226E-13	5.47E-12	0.325201	hyper	sig	chr13_114027213
chr5	1.73E+08	173245379	+	5.228E-13	5.4713E-12	0.216227	hyper	sig	chr5_173245379
chr6	98842404	98842404	+	5.233E-13	5.4761E-12	0.202333	hyper	sig	chr6_98842404
chr2	2.2E+08	219852066	+	5.241E-13	5.4851E-12	0.271805	hyper	sig	chr2_219852066
chr19	45322484	45322484	+	5.242E-13	5.4858E-12	-0.23884	hypo	sig	chr19_45322484
chr7	1.49E+08	149205992	+	5.246E-13	5.4904E-12	-0.23232	hypo	sig	chr7_149205992
chr7	1263619	1263619	+	5.255E-13	5.4992E-12	-0.29789	hypo	sig	chr7_1263619
chr10	1.32E+08	132232509	+	5.257E-13	5.5007E-12	-0.22999	hypo	sig	chr10_132232509
chr15	70487007	70487007	+	5.263E-13	5.5073E-12	-0.25256	hypo	sig	chr15_70487007
chr5	44389165	44389165	+	5.263E-13	5.5073E-12	0.252334	hyper	sig	chr5_44389165
chr14	28766130	28766130	+	5.263E-13	5.5076E-12	0.263336	hyper	sig	chr14_28766130
chr2	74516667	74516667	+	5.268E-13	5.5119E-12	0.237941	hyper	sig	chr2_74516667
chr1	1.83E+08	183416914	+	5.268E-13	5.5121E-12	0.200462	hyper	sig	chr1_183416914
chr3	1.86E+08	186361298	+	5.269E-13	5.5137E-12	0.290938	hyper	sig	chr3_186361298
chr14	60507269	60507269	+	5.27E-13	5.514E-12	0.255005	hyper	sig	chr14_60507269
chr9	1.35E+08	134872272	+	5.276E-13	5.5202E-12	0.203041	hyper	sig	chr9_134872272
chr2	1.13E+08	113276012	+	5.276E-13	5.5206E-12	0.226624	hyper	sig	chr2_113276012
chr1	1143912	1143912	+	5.28E-13	5.5237E-12	-0.21176	hypo	sig	chr1_1143912
chr15	43329697	43329697	+	5.28E-13	5.5238E-12	0.280764	hyper	sig	chr15_43329697
chr3	1.29E+08	129046049	+	5.28E-13	5.5244E-12	0.257027	hyper	sig	chr3_129046049
chr5	1.35E+08	135050566	+	5.284E-13	5.5283E-12	0.381786	hyper	sig	chr5_135050566
chr22	31611265	31611265	+	5.286E-13	5.5296E-12	0.207804	hyper	sig	chr22_31611265
chr3	45035870	45035870	+	5.301E-13	5.5457E-12	0.220112	hyper	sig	chr3_45035870
chr2	1.14E+08	113977644	+	5.304E-13	5.5485E-12	-0.21132	hypo	sig	chr2_113977644

chr4	95547994	95547994	+	5.312E-13	5.5569E-12	0.202145	hyper	sig	chr4_95547994
chr7	1027811	1027811	+	5.314E-13	5.5584E-12	0.214567	hyper	sig	chr7_1027811
chr19	45940499	45940499	+	5.315E-13	5.5601E-12	0.340883	hyper	sig	chr19_45940499
chr7	181274	181274	+	5.329E-13	5.5742E-12	-0.29684	hypo	sig	chr7_181274
chr9	97855416	97855416	+	5.33E-13	5.5752E-12	0.238038	hyper	sig	chr9_97855416
chr1	2.25E+08	224617975	+	5.332E-13	5.5764E-12	0.276539	hyper	sig	chr1_224617975
chr12	1.2E+08	120361903	+	5.332E-13	5.5764E-12	0.231059	hyper	sig	chr12_120361903
chr19	7924812	7924812	+	5.333E-13	5.5774E-12	0.29209	hyper	sig	chr19_7924812
chr2	11618580	11618580	+	5.333E-13	5.5775E-12	-0.20812	hypo	sig	chr2_11618580
chr3	1.28E+08	128493420	+	5.333E-13	5.578E-12	0.306749	hyper	sig	chr3_128493420
chr19	51328077	51328077	+	5.337E-13	5.5816E-12	0.280122	hyper	sig	chr19_51328077
chr17	22412190	22412190	+	5.339E-13	5.5831E-12	-0.22038	hypo	sig	chr17_22412190
chr2	2.39E+08	238787004	+	5.34E-13	5.5849E-12	-0.21809	hypo	sig	chr2_238787004
chr10	93062394	93062394	+	5.346E-13	5.5909E-12	0.257898	hyper	sig	chr10_93062394
chr5	1.41E+08	141362465	+	5.346E-13	5.591E-12	0.252393	hyper	sig	chr5_141362465
chr22	39514589	39514589	+	5.347E-13	5.5918E-12	0.207139	hyper	sig	chr22_39514589
chr4	1404094	1404094	+	5.348E-13	5.5924E-12	0.258991	hyper	sig	chr4_1404094
chr9	1.22E+08	122219291	+	5.348E-13	5.5925E-12	0.207538	hyper	sig	chr9_122219291
chr11	2656480	2656480	+	5.351E-13	5.5958E-12	-0.22158	hypo	sig	chr11_2656480
chr2	1.32E+08	131647001	+	5.356E-13	5.6009E-12	0.242321	hyper	sig	chr2_131647001
chr11	49208415	49208415	+	5.358E-13	5.6028E-12	0.404604	hyper	sig	chr11_49208415
chr8	1.23E+08	123207216	+	5.362E-13	5.6068E-12	0.283606	hyper	sig	chr8_123207216
chr10	511946	511946	+	5.363E-13	5.6072E-12	0.219844	hyper	sig	chr10_511946
chr1	41582940	41582940	+	5.369E-13	5.6136E-12	-0.20338	hypo	sig	chr1_41582940
chr11	397065	397065	+	5.369E-13	5.6136E-12	0.288828	hyper	sig	chr11_397065
chr15	79093693	79093693	+	5.37E-13	5.6141E-12	-0.26478	hypo	sig	chr15_79093693
chr1	1.65E+08	164576462	+	5.371E-13	5.6158E-12	0.314887	hyper	sig	chr1_164576462
chr15	96777365	96777365	+	5.375E-13	5.6192E-12	-0.24641	hypo	sig	chr15_96777365
chr12	1.23E+08	123042575	+	5.375E-13	5.6193E-12	0.249644	hyper	sig	chr12_123042575
chr3	1.2E+08	119703525	+	5.379E-13	5.623E-12	0.20776	hyper	sig	chr3_119703525
chr2	2.39E+08	238967257	+	5.379E-13	5.6232E-12	-0.25514	hypo	sig	chr2_238967257
chr17	47848206	47848206	+	5.381E-13	5.6248E-12	0.260753	hyper	sig	chr17_47848206
chr2	3282502	3282502	+	5.382E-13	5.6267E-12	0.311564	hyper	sig	chr2_3282502
chr11	64712033	64712033	+	5.385E-13	5.6292E-12	0.263093	hyper	sig	chr11_64712033
chr2	91593650	91593650	+	5.385E-13	5.6292E-12	-0.23647	hypo	sig	chr2_91593650
chr15	52788736	52788736	+	5.386E-13	5.6301E-12	0.289542	hyper	sig	chr15_52788736
chr3	1.3E+08	130345743	+	5.388E-13	5.6318E-12	0.215268	hyper	sig	chr3_130345743
chr22	19754934	19754934	+	5.389E-13	5.6331E-12	0.234024	hyper	sig	chr22_19754934
chr3	1.97E+08	196754697	+	5.391E-13	5.6356E-12	-0.25413	hypo	sig	chr3_196754697
chr5	1291329	1291329	+	5.392E-13	5.6366E-12	-0.30228	hypo	sig	chr5_1291329
chr15	23180302	23180302	+	5.394E-13	5.638E-12	0.232121	hyper	sig	chr15_23180302
chr2	2.32E+08	232486387	+	5.397E-13	5.6412E-12	0.205628	hyper	sig	chr2_232486387
chr6	1625180	1625180	+	5.399E-13	5.6435E-12	0.243761	hyper	sig	chr6_1625180
chr17	75059640	75059640	+	5.404E-13	5.6479E-12	0.246973	hyper	sig	chr17_75059640
chr2	2.41E+08	240868696	+	5.41E-13	5.6547E-12	-0.25174	hypo	sig	chr2_240868696
chr2	2.38E+08	238128880	+	5.415E-13	5.6592E-12	-0.24833	hypo	sig	chr2_238128880
chr12	1864981	1864981	+	5.418E-13	5.663E-12	0.261159	hyper	sig	chr12_1864981
chr5	1.79E+08	178524853	+	5.423E-13	5.6679E-12	-0.28948	hypo	sig	chr5_178524853
chr5	2141659	2141659	+	5.428E-13	5.6731E-12	-0.23455	hypo	sig	chr5_2141659
chr9	1.37E+08	137278893	+	5.431E-13	5.6761E-12	0.295573	hyper	sig	chr9_137278893
chr4	577210	577210	+	5.432E-13	5.6773E-12	0.286275	hyper	sig	chr4_577210
chr1	929548	929548	+	5.434E-13	5.679E-12	-0.22344	hypo	sig	chr1_929548
chr10	1.3E+08	129892953	+	5.437E-13	5.682E-12	-0.23805	hypo	sig	chr10_129892953
chr16	15948860	15948860	+	5.441E-13	5.6855E-12	-0.34366	hypo	sig	chr16_15948860
chr1	3068246	3068246	+	5.441E-13	5.6858E-12	0.24381	hyper	sig	chr1_3068246
chr19	53866742	53866742	+	5.447E-13	5.6921E-12	0.206889	hyper	sig	chr19_53866742

chr10	1.33E+08	133070985	+	5.45E-13	5.6944E-12	-0.20232	hypo	sig	chr10_133070985
chr2	1.05E+08	104659347	+	5.457E-13	5.702E-12	0.238885	hyper	sig	chr2_104659347
chr10	571265	571265	+	5.46E-13	5.7046E-12	0.274203	hyper	sig	chr10_571265
chr16	67884981	67884981	+	5.466E-13	5.711E-12	0.280987	hyper	sig	chr16_67884981
chr1	2.21E+08	220887551	+	5.466E-13	5.7111E-12	0.229351	hyper	sig	chr1_220887551
chr16	594104	594104	+	5.468E-13	5.7132E-12	-0.25788	hypo	sig	chr16_594104
chr1	25573644	25573644	+	5.473E-13	5.7177E-12	-0.29936	hypo	sig	chr1_25573644
chr6	36827577	36827577	+	5.473E-13	5.7179E-12	-0.26276	hypo	sig	chr6_36827577
chr10	27413546	27413546	+	5.474E-13	5.7185E-12	0.241496	hyper	sig	chr10_27413546
chr14	99523552	99523552	+	5.476E-13	5.7207E-12	0.277166	hyper	sig	chr14_99523552
chr4	72031854	72031854	+	5.477E-13	5.7212E-12	0.253169	hyper	sig	chr4_72031854
chr8	966153	966153	+	5.477E-13	5.7216E-12	-0.24029	hypo	sig	chr8_966153
chr1	79007232	79007232	+	5.478E-13	5.7229E-12	-0.25365	hypo	sig	chr1_79007232
chr17	81158175	81158175	+	5.479E-13	5.7241E-12	-0.21621	hypo	sig	chr17_81158175
chr12	1.19E+08	119195365	+	5.48E-13	5.7249E-12	-0.22851	hypo	sig	chr12_119195365
chr2	1.13E+08	113276039	+	5.491E-13	5.736E-12	0.231364	hyper	sig	chr2_113276039
chr20	59995060	59995060	+	5.495E-13	5.7399E-12	-0.24003	hypo	sig	chr20_59995060
chr1	30714975	30714975	+	5.497E-13	5.7423E-12	-0.21287	hypo	sig	chr1_30714975
chr16	4805522	4805522	+	5.498E-13	5.7431E-12	0.23369	hyper	sig	chr16_4805522
chr11	32433776	32433776	+	5.499E-13	5.7443E-12	0.27266	hyper	sig	chr11_32433776
chr19	48896531	48896531	+	5.502E-13	5.7469E-12	0.223675	hyper	sig	chr19_48896531
chr2	2.4E+08	239802318	+	5.503E-13	5.7481E-12	-0.2949	hypo	sig	chr2_239802318
chr12	52905526	52905526	+	5.503E-13	5.7482E-12	-0.21152	hypo	sig	chr12_52905526
chr17	336392	336392	+	5.505E-13	5.7493E-12	0.208525	hyper	sig	chr17_336392
chr19	11674433	11674433	+	5.505E-13	5.7494E-12	0.247175	hyper	sig	chr19_11674433
chr1	50048040	50048040	+	5.505E-13	5.7494E-12	0.289631	hyper	sig	chr1_50048040
chr1	44261301	44261301	+	5.507E-13	5.7513E-12	-0.21819	hypo	sig	chr1_44261301
chr11	1.29E+08	128549388	+	5.507E-13	5.7517E-12	0.316784	hyper	sig	chr11_128549388
chr4	1.07E+08	107037307	+	5.51E-13	5.7548E-12	0.22815	hyper	sig	chr4_107037307
chr13	19346970	19346970	+	5.513E-13	5.7573E-12	-0.24014	hypo	sig	chr13_19346970
chr5	84384363	84384363	+	5.516E-13	5.7609E-12	0.23106	hyper	sig	chr5_84384363
chr20	21705617	21705617	+	5.516E-13	5.7609E-12	0.288137	hyper	sig	chr20_21705617
chr3	46982113	46982113	+	5.517E-13	5.7615E-12	-0.23851	hypo	sig	chr3_46982113
chr10	1.02E+08	102410961	+	5.518E-13	5.7621E-12	0.213035	hyper	sig	chr10_102410961
chr16	84507503	84507503	+	5.519E-13	5.7634E-12	-0.22439	hypo	sig	chr16_84507503
chr2	74436289	74436289	+	5.521E-13	5.7649E-12	0.203148	hyper	sig	chr2_74436289
chr4	4855355	4855355	+	5.522E-13	5.7664E-12	0.202226	hyper	sig	chr4_4855355
chr1	26531283	26531283	+	5.53E-13	5.7747E-12	-0.21835	hypo	sig	chr1_26531283
chr12	6553027	6553027	+	5.533E-13	5.7778E-12	0.264142	hyper	sig	chr12_6553027
chr8	1.4E+08	140098893	+	5.533E-13	5.7779E-12	0.211917	hyper	sig	chr8_140098893
chr4	1305678	1305678	+	5.537E-13	5.7819E-12	-0.22051	hypo	sig	chr4_1305678
chr2	2.36E+08	235508997	+	5.538E-13	5.7825E-12	-0.20424	hypo	sig	chr2_235508997
chr19	29528806	29528806	+	5.538E-13	5.7827E-12	0.221021	hyper	sig	chr19_29528806
chr6	37083413	37083413	+	5.539E-13	5.7829E-12	-0.21365	hypo	sig	chr6_37083413
chr15	37102845	37102845	+	5.54E-13	5.7846E-12	0.309722	hyper	sig	chr15_37102845
chr17	44559166	44559166	+	5.542E-13	5.7865E-12	0.300783	hyper	sig	chr17_44559166
chr11	60852241	60852241	+	5.544E-13	5.7879E-12	-0.26937	hypo	sig	chr11_60852241
chr2	2.02E+08	202036801	+	5.545E-13	5.7889E-12	0.292091	hyper	sig	chr2_202036801
chr11	1.11E+08	111284273	+	5.549E-13	5.7927E-12	-0.22001	hypo	sig	chr11_111284273
chr8	57280315	57280315	+	5.55E-13	5.7938E-12	0.21179	hyper	sig	chr8_57280315
chr1	77281706	77281706	+	5.556E-13	5.8001E-12	0.229726	hyper	sig	chr1_77281706
chr13	45923574	45923574	+	5.558E-13	5.8019E-12	-0.2221	hypo	sig	chr13_45923574
chr13	1.12E+08	111893630	+	5.559E-13	5.8025E-12	0.23053	hyper	sig	chr13_111893630
chr14	1.03E+08	102523925	+	5.561E-13	5.8049E-12	-0.25431	hypo	sig	chr14_102523925
chr12	1.32E+08	132143304	+	5.562E-13	5.8056E-12	-0.27287	hypo	sig	chr12_132143304
chr7	6871635	6871635	+	5.565E-13	5.8081E-12	-0.23721	hypo	sig	chr7_6871635

chr15	66780015	66780015	+	5.571E-13	5.8141E-12	-0.22157	hypo	sig	chr15_66780015
chr1	27350736	27350736	+	5.575E-13	5.8185E-12	0.249445	hyper	sig	chr1_27350736
chr2	45010562	45010562	+	5.578E-13	5.8211E-12	0.236645	hyper	sig	chr2_45010562
chr1	2.45E+08	245201863	+	5.578E-13	5.8212E-12	-0.2584	hypo	sig	chr1_245201863
chr15	40106364	40106364	+	5.578E-13	5.8218E-12	-0.21682	hypo	sig	chr15_40106364
chr12	1.33E+08	132908015	+	5.584E-13	5.8271E-12	0.263586	hyper	sig	chr12_132908015
chr17	27380971	27380971	+	5.584E-13	5.8271E-12	-0.23393	hypo	sig	chr17_27380971
chr19	57099351	57099351	+	5.585E-13	5.8285E-12	0.20235	hyper	sig	chr19_57099351
chr12	57736714	57736714	+	5.59E-13	5.8341E-12	0.242194	hyper	sig	chr12_57736714
chr15	37102494	37102494	+	5.592E-13	5.8361E-12	0.323638	hyper	sig	chr15_37102494
chr11	1.03E+08	102768047	+	5.595E-13	5.8386E-12	0.260316	hyper	sig	chr11_102768047
chr8	41665920	41665920	+	5.596E-13	5.8393E-12	-0.24196	hypo	sig	chr8_41665920
chr12	6884660	6884660	+	5.599E-13	5.8421E-12	0.202607	hyper	sig	chr12_6884660
chr1	2.43E+08	242890508	+	5.6E-13	5.843E-12	0.25905	hyper	sig	chr1_242890508
chr11	69655049	69655049	+	5.603E-13	5.8464E-12	-0.21718	hypo	sig	chr11_69655049
chr15	25863540	25863540	+	5.603E-13	5.8464E-12	0.205322	hyper	sig	chr15_25863540
chr11	70662008	70662008	+	5.607E-13	5.8508E-12	0.299085	hyper	sig	chr11_70662008
chr4	76420688	76420688	+	5.608E-13	5.8511E-12	0.255788	hyper	sig	chr4_76420688
chr16	1380095	1380095	+	5.612E-13	5.8561E-12	-0.24574	hypo	sig	chr16_1380095
chr3	1.25E+08	125141961	+	5.613E-13	5.8567E-12	0.240998	hyper	sig	chr3_125141961
chr12	1.32E+08	132343762	+	5.619E-13	5.8625E-12	0.234182	hyper	sig	chr12_132343762
chr9	94554897	94554897	+	5.621E-13	5.8641E-12	-0.21854	hypo	sig	chr9_94554897
chr6	26017865	26017865	+	5.621E-13	5.8646E-12	0.212962	hyper	sig	chr6_26017865
chr2	1.72E+08	172093609	+	5.626E-13	5.8695E-12	0.226628	hyper	sig	chr2_172093609
chr3	1.84E+08	184337712	+	5.628E-13	5.8712E-12	0.343388	hyper	sig	chr3_184337712
chr7	1.28E+08	128032257	+	5.629E-13	5.8726E-12	0.23215	hyper	sig	chr7_128032257
chr5	1089607	1089607	+	5.629E-13	5.8726E-12	0.22697	hyper	sig	chr5_1089607
chr12	1.31E+08	130762076	+	5.631E-13	5.8741E-12	0.251279	hyper	sig	chr12_130762076
chr19	35357899	35357899	+	5.634E-13	5.8775E-12	-0.24826	hypo	sig	chr19_35357899
chr17	76000162	76000162	+	5.636E-13	5.8793E-12	0.217685	hyper	sig	chr17_76000162
chr15	83284183	83284183	+	5.637E-13	5.8803E-12	0.276733	hyper	sig	chr15_83284183
chr11	2527725	2527725	+	5.638E-13	5.8814E-12	-0.20005	hypo	sig	chr11_2527725
chr5	958982	958982	+	5.639E-13	5.8818E-12	-0.23318	hypo	sig	chr5_958982
chr19	49165454	49165454	+	5.644E-13	5.8868E-12	0.240266	hyper	sig	chr19_49165454
chr1	2.21E+08	220885472	+	5.646E-13	5.8888E-12	0.260083	hyper	sig	chr1_220885472
chr11	1.25E+08	124618932	+	5.648E-13	5.8909E-12	-0.24797	hypo	sig	chr11_124618932
chr7	1.58E+08	158083617	+	5.648E-13	5.8911E-12	-0.2116	hypo	sig	chr7_158083617
chr9	96934265	96934265	+	5.649E-13	5.8923E-12	-0.22158	hypo	sig	chr9_96934265
chr16	56663304	56663304	+	5.65E-13	5.8925E-12	0.49237	hyper	sig	chr16_56663304
chr2	74516174	74516174	+	5.654E-13	5.8971E-12	0.203762	hyper	sig	chr2_74516174
chr13	1.12E+08	112057750	+	5.655E-13	5.8977E-12	0.294294	hyper	sig	chr13_112057750
chr5	2755076	2755076	+	5.659E-13	5.9016E-12	0.305381	hyper	sig	chr5_2755076
chr14	75979818	75979818	+	5.662E-13	5.9046E-12	0.233767	hyper	sig	chr14_75979818
chr1	46491374	46491374	+	5.667E-13	5.91E-12	0.316128	hyper	sig	chr1_46491374
chr16	23695343	23695343	+	5.669E-13	5.9121E-12	0.287486	hyper	sig	chr16_23695343
chr2	1.74E+08	174323635	+	5.671E-13	5.914E-12	-0.31355	hypo	sig	chr2_174323635
chr2	1.54E+08	153871737	+	5.673E-13	5.9163E-12	0.301954	hyper	sig	chr2_153871737
chr6	28765884	28765884	+	5.674E-13	5.9173E-12	0.230044	hyper	sig	chr6_28765884
chr8	1.42E+08	142243274	+	5.677E-13	5.9195E-12	0.233599	hyper	sig	chr8_142243274
chr7	1242487	1242487	+	5.677E-13	5.92E-12	0.292767	hyper	sig	chr7_1242487
chr10	99236563	99236563	+	5.678E-13	5.921E-12	0.281886	hyper	sig	chr10_99236563
chr5	1.41E+08	141236738	+	5.682E-13	5.9251E-12	0.268587	hyper	sig	chr5_141236738
chr9	79037704	79037704	+	5.683E-13	5.9256E-12	-0.3502	hypo	sig	chr9_79037704
chr1	2.28E+08	227883793	+	5.684E-13	5.9273E-12	-0.23663	hypo	sig	chr1_227883793
chr19	43699501	43699501	+	5.687E-13	5.93E-12	0.269384	hyper	sig	chr19_43699501
chr20	63274039	63274039	+	5.687E-13	5.93E-12	-0.24937	hypo	sig	chr20_63274039

chr8	51809345	51809345	+	5.687E-13	5.93E-12	0.295862	hyper	sig	chr8_51809345
chr7	4144776	4144776	+	5.689E-13	5.9316E-12	0.290862	hyper	sig	chr7_4144776
chr9	1.35E+08	135104452	+	5.69E-13	5.9326E-12	-0.27795	hypo	sig	chr9_135104452
chr4	1.47E+08	146640929	+	5.694E-13	5.9364E-12	0.345816	hyper	sig	chr4_146640929
chr15	45118038	45118038	+	5.698E-13	5.9404E-12	0.256115	hyper	sig	chr15_45118038
chr7	1.56E+08	156466486	+	5.703E-13	5.9455E-12	0.258929	hyper	sig	chr7_156466486
chr20	63004871	63004871	+	5.704E-13	5.9467E-12	0.21526	hyper	sig	chr20_63004871
chr7	1.58E+08	157555561	+	5.705E-13	5.9473E-12	-0.21218	hypo	sig	chr7_157555561
chr1	47995275	47995275	+	5.705E-13	5.9479E-12	-0.24156	hypo	sig	chr1_47995275
chr9	33524624	33524624	+	5.713E-13	5.9553E-12	0.21546	hyper	sig	chr9_33524624
chr17	72124111	72124111	+	5.721E-13	5.9629E-12	-0.2746	hypo	sig	chr17_72124111
chr12	1.23E+08	122894761	+	5.722E-13	5.9645E-12	-0.20392	hypo	sig	chr12_122894761
chr22	50039907	50039907	+	5.723E-13	5.9654E-12	-0.22722	hypo	sig	chr22_50039907
chr5	1.41E+08	141199725	+	5.726E-13	5.9677E-12	0.234332	hyper	sig	chr5_141199725
chr1	98053872	98053872	+	5.727E-13	5.969E-12	0.259107	hyper	sig	chr1_98053872
chr7	1.54E+08	154053356	+	5.734E-13	5.9759E-12	0.259598	hyper	sig	chr7_154053356
chr2	29921360	29921360	+	5.738E-13	5.9803E-12	0.244784	hyper	sig	chr2_29921360
chr5	1.8E+08	180041700	+	5.742E-13	5.9847E-12	-0.25429	hypo	sig	chr5_180041700
chr7	2440850	2440850	+	5.746E-13	5.9886E-12	-0.26662	hypo	sig	chr7_2440850
chr11	72013174	72013174	+	5.747E-13	5.9895E-12	0.26428	hyper	sig	chr11_72013174
chr6	1.7E+08	170089814	+	5.76E-13	6.0027E-12	-0.28822	hypo	sig	chr6_170089814
chr7	2763331	2763331	+	5.761E-13	6.0036E-12	0.213725	hyper	sig	chr7_2763331
chr7	1223578	1223578	+	5.764E-13	6.0071E-12	-0.26243	hypo	sig	chr7_1223578
chr4	1.66E+08	165874497	+	5.766E-13	6.0081E-12	0.217436	hyper	sig	chr4_165874497
chr11	64321837	64321837	+	5.767E-13	6.0094E-12	-0.21076	hypo	sig	chr11_64321837
chr16	84832561	84832561	+	5.767E-13	6.0098E-12	0.208429	hyper	sig	chr16_84832561
chr8	85438930	85438930	+	5.768E-13	6.0099E-12	0.250598	hyper	sig	chr8_85438930
chr7	57654543	57654543	+	5.772E-13	6.0141E-12	-0.25165	hypo	sig	chr7_57654543
chr7	84941192	84941192	+	5.773E-13	6.0151E-12	-0.25368	hypo	sig	chr7_84941192
chr2	2.39E+08	239349227	+	5.774E-13	6.0164E-12	0.301415	hyper	sig	chr2_239349227
chr9	92807263	92807263	+	5.775E-13	6.0172E-12	0.293814	hyper	sig	chr9_92807263
chr16	67649080	67649080	+	5.784E-13	6.0267E-12	0.230846	hyper	sig	chr16_67649080
chr11	1028328	1028328	+	5.788E-13	6.0305E-12	-0.23275	hypo	sig	chr11_1028328
chr14	1E+08	100328960	+	5.791E-13	6.0334E-12	-0.26633	hypo	sig	chr14_100328960
chr7	97732142	97732142	+	5.791E-13	6.0334E-12	0.209898	hyper	sig	chr7_97732142
chr16	87132795	87132795	+	5.791E-13	6.0335E-12	-0.26925	hypo	sig	chr16_87132795
chr10	1.01E+08	100659462	+	5.792E-13	6.0341E-12	0.313132	hyper	sig	chr10_100659462
chr11	2271818	2271818	+	5.793E-13	6.0353E-12	0.276749	hyper	sig	chr11_2271818
chr6	30260442	30260442	+	5.794E-13	6.0361E-12	0.206203	hyper	sig	chr6_30260442
chr5	2739112	2739112	+	5.798E-13	6.0403E-12	0.252476	hyper	sig	chr5_2739112
chr5	83471626	83471626	+	5.803E-13	6.0458E-12	0.21607	hyper	sig	chr5_83471626
chr1	3278901	3278901	+	5.807E-13	6.0491E-12	-0.21117	hypo	sig	chr1_3278901
chr12	1.32E+08	132261025	+	5.807E-13	6.0494E-12	-0.27491	hypo	sig	chr12_132261025
chr17	79981757	79981757	+	5.808E-13	6.0499E-12	0.264664	hyper	sig	chr17_79981757
chr7	1.58E+08	157856015	+	5.811E-13	6.053E-12	0.201903	hyper	sig	chr7_157856015
chr16	54291253	54291253	+	5.813E-13	6.0553E-12	0.291299	hyper	sig	chr16_54291253
chr16	29218329	29218329	+	5.813E-13	6.0554E-12	-0.20175	hypo	sig	chr16_29218329
chr3	10993461	10993461	+	5.814E-13	6.0558E-12	0.200613	hyper	sig	chr3_10993461
chr4	48299724	48299724	+	5.814E-13	6.0561E-12	-0.21623	hypo	sig	chr4_48299724
chr19	56765274	56765274	+	5.815E-13	6.0572E-12	0.256484	hyper	sig	chr19_56765274
chr1	1.47E+08	147079947	+	5.815E-13	6.0572E-12	0.258559	hyper	sig	chr1_147079947
chr19	18007801	18007801	+	5.816E-13	6.0572E-12	0.205243	hyper	sig	chr19_18007801
chr12	21942474	21942474	+	5.824E-13	6.0659E-12	-0.22547	hypo	sig	chr12_21942474
chr16	30896356	30896356	+	5.824E-13	6.0659E-12	0.25232	hyper	sig	chr16_30896356
chr17	80859170	80859170	+	5.827E-13	6.0684E-12	0.269489	hyper	sig	chr17_80859170
chr12	1.03E+08	102956939	+	5.835E-13	6.077E-12	0.264461	hyper	sig	chr12_102956939

chr12	85273628	85273628	+	5.845E-13	6.0873E-12	0.212753	hyper	sig	chr12_85273628
chr6	16352514	16352514	+	5.853E-13	6.0949E-12	0.217341	hyper	sig	chr6_16352514
chr8	1E+08	100105839	+	5.853E-13	6.0952E-12	0.23724	hyper	sig	chr8_100105839
chr3	1.82E+08	181723831	+	5.856E-13	6.0978E-12	0.209144	hyper	sig	chr3_181723831
chr19	932766	932766	+	5.857E-13	6.0993E-12	-0.20778	hypo	sig	chr19_932766
chr1	24928367	24928367	+	5.858E-13	6.0993E-12	0.261312	hyper	sig	chr1_24928367
chr16	2083359	2083359	+	5.858E-13	6.0994E-12	0.209822	hyper	sig	chr16_2083359
chr7	1325424	1325424	+	5.862E-13	6.1037E-12	-0.24112	hypo	sig	chr7_1325424
chr5	981725	981725	+	5.867E-13	6.1085E-12	0.227915	hyper	sig	chr5_981725
chr6	1.42E+08	142088442	+	5.868E-13	6.11E-12	0.243559	hyper	sig	chr6_142088442
chr8	23707122	23707122	+	5.87E-13	6.1121E-12	0.226451	hyper	sig	chr8_23707122
chr2	1.48E+08	147826902	+	5.874E-13	6.1159E-12	0.241311	hyper	sig	chr2_147826902
chr1	77282444	77282444	+	5.878E-13	6.1195E-12	0.218182	hyper	sig	chr1_77282444
chr11	61007480	61007480	+	5.878E-13	6.12E-12	-0.20093	hypo	sig	chr11_61007480
chr19	58217244	58217244	+	5.88E-13	6.1214E-12	0.236483	hyper	sig	chr19_58217244
chr8	2034894	2034894	+	5.89E-13	6.1313E-12	-0.2714	hypo	sig	chr8_2034894
chr5	38259137	38259137	+	5.896E-13	6.1374E-12	0.214883	hyper	sig	chr5_38259137
chr19	38303874	38303874	+	5.901E-13	6.1431E-12	-0.29475	hypo	sig	chr19_38303874
chr19	51373216	51373216	+	5.901E-13	6.1433E-12	-0.28255	hypo	sig	chr19_51373216
chr4	1047671	1047671	+	5.903E-13	6.1448E-12	-0.22395	hypo	sig	chr4_1047671
chr11	67455313	67455313	+	5.906E-13	6.1476E-12	-0.20385	hypo	sig	chr11_67455313
chr8	2090162	2090162	+	5.908E-13	6.1497E-12	-0.203	hypo	sig	chr8_2090162
chr1	1.57E+08	156849350	+	5.908E-13	6.1502E-12	0.241978	hyper	sig	chr1_156849350
chr17	1907576	1907576	+	5.915E-13	6.1564E-12	-0.21254	hypo	sig	chr17_1907576
chr5	1.41E+08	141419239	+	5.918E-13	6.16E-12	0.283088	hyper	sig	chr5_141419239
chr16	86513251	86513251	+	5.922E-13	6.1641E-12	0.275561	hyper	sig	chr16_86513251
chr8	70072094	70072094	+	5.923E-13	6.1644E-12	0.260132	hyper	sig	chr8_70072094
chr11	69196526	69196526	+	5.927E-13	6.1686E-12	0.215579	hyper	sig	chr11_69196526
chr4	54109083	54109083	+	5.93E-13	6.1713E-12	0.209611	hyper	sig	chr4_54109083
chr7	1645113	1645113	+	5.932E-13	6.173E-12	-0.2802	hypo	sig	chr7_1645113
chr11	1.19E+08	119168394	+	5.933E-13	6.1747E-12	-0.20833	hypo	sig	chr11_119168394
chr6	1.5E+08	150058350	+	5.937E-13	6.1781E-12	-0.22889	hypo	sig	chr6_150058350
chr11	65616908	65616908	+	5.939E-13	6.18E-12	-0.24855	hypo	sig	chr11_65616908
chr17	60139294	60139294	+	5.942E-13	6.1828E-12	0.219807	hyper	sig	chr17_60139294
chr5	1.78E+08	177938795	+	5.942E-13	6.1828E-12	0.203286	hyper	sig	chr5_177938795
chr11	49433676	49433676	+	5.943E-13	6.1839E-12	-0.21993	hypo	sig	chr11_49433676
chr4	55157701	55157701	+	5.943E-13	6.1841E-12	0.244962	hyper	sig	chr4_55157701
chr3	1.86E+08	186193566	+	5.945E-13	6.1856E-12	0.228926	hyper	sig	chr3_186193566
chr8	1.44E+08	143732682	+	5.947E-13	6.1876E-12	-0.29235	hypo	sig	chr8_143732682
chr14	28765886	28765886	+	5.95E-13	6.1909E-12	0.23401	hyper	sig	chr14_28765886
chr19	35959560	35959560	+	5.96E-13	6.2005E-12	0.279751	hyper	sig	chr19_35959560
chr9	1.38E+08	137921424	+	5.962E-13	6.2023E-12	-0.24026	hypo	sig	chr9_137921424
chr10	80264143	80264143	+	5.963E-13	6.2031E-12	-0.25325	hypo	sig	chr10_80264143
chr1	2.24E+08	224175747	+	5.963E-13	6.2034E-12	0.317408	hyper	sig	chr1_224175747
chr15	83283161	83283161	+	5.967E-13	6.2071E-12	0.233951	hyper	sig	chr15_83283161
chr19	18787609	18787609	+	5.972E-13	6.2124E-12	0.242475	hyper	sig	chr19_18787609
chr12	75209714	75209714	+	5.973E-13	6.2129E-12	0.207978	hyper	sig	chr12_75209714
chr3	1.28E+08	128152696	+	5.975E-13	6.2148E-12	0.278004	hyper	sig	chr3_128152696
chr11	61829257	61829257	+	5.984E-13	6.224E-12	0.206643	hyper	sig	chr11_61829257
chr16	1533961	1533961	+	5.985E-13	6.2249E-12	0.228032	hyper	sig	chr16_1533961
chr11	70827114	70827114	+	5.986E-13	6.2266E-12	0.258165	hyper	sig	chr11_70827114
chr20	61813862	61813862	+	5.988E-13	6.228E-12	-0.20506	hypo	sig	chr20_61813862
chr5	1.41E+08	141394309	+	5.991E-13	6.2312E-12	0.298871	hyper	sig	chr5_141394309
chr2	1.82E+08	181679762	+	6.001E-13	6.241E-12	0.231468	hyper	sig	chr2_181679762
chr4	34512156	34512156	+	6.007E-13	6.2476E-12	-0.24964	hypo	sig	chr4_34512156
chr5	1.41E+08	141384986	+	6.009E-13	6.2492E-12	0.2259	hyper	sig	chr5_141384986

chr19	36797739	36797739	+	6.01E-13	6.2502E-12	0.207619	hyper	sig	chr19_36797739
chr2	1.06E+08	106343037	+	6.01E-13	6.2504E-12	-0.25662	hypo	sig	chr2_106343037
chr7	1.02E+08	101741069	+	6.013E-13	6.2532E-12	-0.20538	hypo	sig	chr7_101741069
chr1	63319214	63319214	+	6.016E-13	6.2563E-12	0.277293	hyper	sig	chr1_63319214
chr6	1.42E+08	142302630	+	6.019E-13	6.2591E-12	-0.21357	hypo	sig	chr6_142302630
chr1	1.71E+08	170669796	+	6.021E-13	6.261E-12	0.266808	hyper	sig	chr1_170669796
chr3	28398792	28398792	+	6.026E-13	6.2667E-12	-0.21399	hypo	sig	chr3_28398792
chr16	15146148	15146148	+	6.035E-13	6.2747E-12	0.216214	hyper	sig	chr16_15146148
chr12	49091388	49091388	+	6.035E-13	6.2753E-12	0.230132	hyper	sig	chr12_49091388
chr8	10611860	10611860	+	6.036E-13	6.2764E-12	-0.2687	hypo	sig	chr8_10611860
chr7	74027952	74027952	+	6.038E-13	6.2783E-12	0.286917	hyper	sig	chr7_74027952
chr19	3369725	3369725	+	6.039E-13	6.2787E-12	0.274382	hyper	sig	chr19_3369725
chr7	1.5E+08	150049002	+	6.039E-13	6.2787E-12	0.207581	hyper	sig	chr7_150049002
chr5	76081848	76081848	+	6.039E-13	6.279E-12	0.317766	hyper	sig	chr5_76081848
chr7	229323	229323	+	6.041E-13	6.2806E-12	0.271537	hyper	sig	chr7_229323
chr19	58043159	58043159	+	6.044E-13	6.2841E-12	0.246977	hyper	sig	chr19_58043159
chr7	35259160	35259160	+	6.044E-13	6.2841E-12	0.217362	hyper	sig	chr7_35259160
chr7	4225839	4225839	+	6.05E-13	6.2897E-12	-0.20054	hypo	sig	chr7_4225839
chr5	1.41E+08	140843051	+	6.057E-13	6.2966E-12	0.284385	hyper	sig	chr5_140843051
chr13	36431990	36431990	+	6.058E-13	6.2978E-12	0.290994	hyper	sig	chr13_36431990
chr13	22897865	22897865	+	6.059E-13	6.2989E-12	-0.27281	hypo	sig	chr13_22897865
chr9	1.37E+08	136846448	+	6.062E-13	6.3014E-12	0.25153	hyper	sig	chr9_136846448
chr3	9552409	9552409	+	6.064E-13	6.3037E-12	0.294277	hyper	sig	chr3_9552409
chr3	2099275	2099275	+	6.066E-13	6.3054E-12	0.209889	hyper	sig	chr3_2099275
chr12	49544261	49544261	+	6.067E-13	6.3071E-12	0.294697	hyper	sig	chr12_49544261
chr21	38121353	38121353	+	6.068E-13	6.3074E-12	-0.21753	hypo	sig	chr21_38121353
chr17	1495117	1495117	+	6.069E-13	6.3082E-12	0.210485	hyper	sig	chr17_1495117
chr2	11631557	11631557	+	6.073E-13	6.3121E-12	-0.20639	hypo	sig	chr2_11631557
chr2	2.37E+08	236507707	+	6.073E-13	6.3121E-12	0.272302	hyper	sig	chr2_236507707
chr8	1.14E+08	114311556	+	6.076E-13	6.3151E-12	0.200417	hyper	sig	chr8_114311556
chr7	1.55E+08	155070814	+	6.08E-13	6.3195E-12	0.237304	hyper	sig	chr7_155070814
chr12	4562537	4562537	+	6.082E-13	6.3217E-12	0.2286	hyper	sig	chr12_4562537
chr17	76414780	76414780	+	6.085E-13	6.3247E-12	0.240709	hyper	sig	chr17_76414780
chr14	1.01E+08	100882137	+	6.087E-13	6.3264E-12	-0.20843	hypo	sig	chr14_100882137
chr6	7468440	7468440	+	6.093E-13	6.3323E-12	-0.22924	hypo	sig	chr6_7468440
chr2	2769648	2769648	+	6.096E-13	6.3347E-12	0.239976	hyper	sig	chr2_2769648
chr5	1.16E+08	115816277	+	6.096E-13	6.3347E-12	0.274465	hyper	sig	chr5_115816277
chr7	1.01E+08	100865917	+	6.097E-13	6.3356E-12	-0.24858	hypo	sig	chr7_100865917
chr20	17963791	17963791	+	6.097E-13	6.3362E-12	-0.27337	hypo	sig	chr20_17963791
chr15	83284196	83284196	+	6.103E-13	6.3421E-12	0.237985	hyper	sig	chr15_83284196
chr8	70072742	70072742	+	6.108E-13	6.3468E-12	0.243478	hyper	sig	chr8_70072742
chr5	1.41E+08	141432038	+	6.108E-13	6.3474E-12	0.225973	hyper	sig	chr5_141432038
chr3	1.2E+08	120144547	+	6.109E-13	6.3476E-12	0.226351	hyper	sig	chr3_120144547
chr13	50132867	50132867	+	6.115E-13	6.354E-12	0.24292	hyper	sig	chr13_50132867
chr9	37120029	37120029	+	6.118E-13	6.3566E-12	0.271983	hyper	sig	chr9_37120029
chr20	41339971	41339971	+	6.12E-13	6.3583E-12	-0.21195	hypo	sig	chr20_41339971
chr19	48728942	48728942	+	6.12E-13	6.3584E-12	0.291176	hyper	sig	chr19_48728942
chr9	1.37E+08	137085756	+	6.124E-13	6.3627E-12	-0.24369	hypo	sig	chr9_137085756
chr5	1.71E+08	171310224	+	6.128E-13	6.3668E-12	0.210488	hyper	sig	chr5_171310224
chr3	1.37E+08	136820486	+	6.132E-13	6.3707E-12	-0.22593	hypo	sig	chr3_136820486
chr3	1.41E+08	141052479	+	6.132E-13	6.371E-12	0.235468	hyper	sig	chr3_141052479
chr20	9840092	9840092	+	6.133E-13	6.3719E-12	-0.22407	hypo	sig	chr20_9840092
chr19	38812948	38812948	+	6.139E-13	6.3773E-12	-0.3302	hypo	sig	chr19_38812948
chr7	1.58E+08	158263922	+	6.139E-13	6.3774E-12	-0.24258	hypo	sig	chr7_158263922
chr5	1.41E+08	141423206	+	6.139E-13	6.3777E-12	0.259832	hyper	sig	chr5_141423206
chr16	67163145	67163145	+	6.141E-13	6.3794E-12	0.27354	hyper	sig	chr16_67163145

chr13	27970553	27970553	+	6.142E-13	6.3802E-12	0.201697	hyper	sig	chr13_27970553
chr4	30723348	30723348	+	6.145E-13	6.3833E-12	0.215183	hyper	sig	chr4_30723348
chr17	28368448	28368448	+	6.148E-13	6.3865E-12	-0.24749	hypo	sig	chr17_28368448
chr14	36506219	36506219	+	6.149E-13	6.3868E-12	0.278739	hyper	sig	chr14_36506219
chr1	1.65E+08	164575496	+	6.151E-13	6.3893E-12	0.222064	hyper	sig	chr1_164575496
chr21	45294576	45294576	+	6.153E-13	6.3915E-12	0.261499	hyper	sig	chr21_45294576
chr14	76813262	76813262	+	6.154E-13	6.392E-12	-0.27095	hypo	sig	chr14_76813262
chr14	1.06E+08	105731695	+	6.157E-13	6.3952E-12	-0.20037	hypo	sig	chr14_105731695
chr2	2.41E+08	240869246	+	6.16E-13	6.3981E-12	-0.24991	hypo	sig	chr2_240869246
chr14	1.04E+08	104398809	+	6.165E-13	6.4035E-12	-0.21126	hypo	sig	chr14_104398809
chr4	1.11E+08	110630890	+	6.169E-13	6.407E-12	0.227833	hyper	sig	chr4_110630890
chr11	1.12E+08	111514986	+	6.174E-13	6.4122E-12	0.220281	hyper	sig	chr11_111514986
chr7	1.28E+08	128207550	+	6.178E-13	6.416E-12	-0.29997	hypo	sig	chr7_128207550
chr2	1.48E+08	147686432	+	6.178E-13	6.4162E-12	-0.23658	hypo	sig	chr2_147686432
chr19	40224605	40224605	+	6.179E-13	6.4167E-12	-0.32963	hypo	sig	chr19_40224605
chr17	78974856	78974856	+	6.18E-13	6.4177E-12	0.210587	hyper	sig	chr17_78974856
chr17	4497748	4497748	+	6.181E-13	6.419E-12	-0.23754	hypo	sig	chr17_4497748
chr3	1.28E+08	128486300	+	6.183E-13	6.4208E-12	0.226342	hyper	sig	chr3_128486300
chr3	11017348	11017348	+	6.185E-13	6.4228E-12	-0.21877	hypo	sig	chr3_11017348
chr10	95231134	95231134	+	6.194E-13	6.4321E-12	0.25827	hyper	sig	chr10_95231134
chr14	37622685	37622685	+	6.198E-13	6.4362E-12	0.274026	hyper	sig	chr14_37622685
chr2	2.41E+08	240868410	+	6.198E-13	6.4364E-12	-0.22685	hypo	sig	chr2_240868410
chr7	1.52E+08	151850900	+	6.204E-13	6.4423E-12	-0.21448	hypo	sig	chr7_151850900
chr16	88073319	88073319	+	6.208E-13	6.4455E-12	-0.21478	hypo	sig	chr16_88073319
chr16	31569645	31569645	+	6.208E-13	6.4458E-12	0.22469	hyper	sig	chr16_31569645
chr3	1.24E+08	123883673	+	6.215E-13	6.4532E-12	0.260028	hyper	sig	chr3_123883673
chr1	1333101	1333101	+	6.218E-13	6.456E-12	-0.25973	hypo	sig	chr1_1333101
chr9	1.36E+08	135969717	+	6.227E-13	6.4643E-12	-0.27906	hypo	sig	chr9_135969717
chr5	1.79E+08	178983150	+	6.232E-13	6.4698E-12	-0.28243	hypo	sig	chr5_178983150
chr3	32940925	32940925	+	6.234E-13	6.4718E-12	0.280293	hyper	sig	chr3_32940925
chr1	3356230	3356230	+	6.235E-13	6.4723E-12	-0.25576	hypo	sig	chr1_3356230
chr1	2.25E+08	224617901	+	6.237E-13	6.4744E-12	0.274449	hyper	sig	chr1_224617901
chr1	1.19E+08	118979549	+	6.238E-13	6.4757E-12	0.218645	hyper	sig	chr1_118979549
chr19	58561978	58561978	+	6.238E-13	6.4757E-12	0.22355	hyper	sig	chr19_58561978
chr12	1.32E+08	132167962	+	6.245E-13	6.4828E-12	-0.21012	hypo	sig	chr12_132167962
chr17	52160216	52160216	+	6.245E-13	6.483E-12	0.264095	hyper	sig	chr17_52160216
chr1	1.74E+08	173669562	+	6.251E-13	6.4892E-12	0.233325	hyper	sig	chr1_173669562
chr19	871050	871050	+	6.254E-13	6.4915E-12	0.240274	hyper	sig	chr19_871050
chr13	1.08E+08	108495580	+	6.268E-13	6.5065E-12	0.307756	hyper	sig	chr13_108495580
chr19	56538307	56538307	+	6.271E-13	6.5086E-12	0.240952	hyper	sig	chr19_56538307
chr12	1.33E+08	132606516	+	6.272E-13	6.5103E-12	-0.21592	hypo	sig	chr12_132606516
chr3	71067175	71067175	+	6.273E-13	6.5112E-12	-0.23051	hypo	sig	chr3_71067175
chr11	69818152	69818152	+	6.275E-13	6.513E-12	0.277427	hyper	sig	chr11_69818152
chr13	28533101	28533101	+	6.277E-13	6.5147E-12	0.300202	hyper	sig	chr13_28533101
chr1	2.48E+08	247855932	+	6.279E-13	6.5171E-12	-0.21209	hypo	sig	chr1_247855932
chr14	60511176	60511176	+	6.28E-13	6.5176E-12	0.225015	hyper	sig	chr14_60511176
chr3	51707268	51707268	+	6.283E-13	6.5203E-12	0.204808	hyper	sig	chr3_51707268
chr19	53978302	53978302	+	6.29E-13	6.5279E-12	0.344074	hyper	sig	chr19_53978302
chr1	15156201	15156201	+	6.291E-13	6.5291E-12	0.295443	hyper	sig	chr1_15156201
chr11	78660001	78660001	+	6.297E-13	6.5349E-12	-0.21972	hypo	sig	chr11_78660001
chr6	84768578	84768578	+	6.298E-13	6.5357E-12	0.200081	hyper	sig	chr6_84768578
chr8	1.43E+08	143463474	+	6.303E-13	6.541E-12	0.216911	hyper	sig	chr8_143463474
chr5	1.41E+08	141394859	+	6.314E-13	6.5513E-12	0.288522	hyper	sig	chr5_141394859
chr2	2.38E+08	237624656	+	6.315E-13	6.5529E-12	-0.23012	hypo	sig	chr2_237624656
chr6	34059171	34059171	+	6.317E-13	6.5547E-12	-0.28421	hypo	sig	chr6_34059171
chr10	1.09E+08	109456668	+	6.318E-13	6.5557E-12	0.21008	hyper	sig	chr10_109456668

chr2	95026226	95026226	+	6.319E-13	6.5563E-12	0.239271	hyper	sig	chr2_95026226
chr10	43573912	43573912	+	6.325E-13	6.5627E-12	0.243418	hyper	sig	chr10_43573912
chr7	1.51E+08	151410838	+	6.326E-13	6.5635E-12	0.275486	hyper	sig	chr7_151410838
chr8	37965427	37965427	+	6.327E-13	6.5648E-12	0.249145	hyper	sig	chr8_37965427
chr2	1.63E+08	163348415	+	6.328E-13	6.5653E-12	0.235987	hyper	sig	chr2_163348415
chr22	38870064	38870064	+	6.328E-13	6.5654E-12	-0.2638	hypo	sig	chr22_38870064
chr7	1.58E+08	157854532	+	6.333E-13	6.5702E-12	-0.21236	hypo	sig	chr7_157854532
chr1	54781640	54781640	+	6.335E-13	6.5721E-12	0.277926	hyper	sig	chr1_54781640
chr12	1.13E+08	113463400	+	6.342E-13	6.5794E-12	0.201316	hyper	sig	chr12_113463400
chr10	1.33E+08	133207355	+	6.343E-13	6.5806E-12	-0.22695	hypo	sig	chr10_133207355
chr11	61334517	61334517	+	6.345E-13	6.5822E-12	-0.2477	hypo	sig	chr11_61334517
chr7	1.44E+08	143885406	+	6.346E-13	6.583E-12	0.251439	hyper	sig	chr7_143885406
chr21	45000492	45000492	+	6.348E-13	6.5851E-12	-0.2352	hypo	sig	chr21_45000492
chr6	1.06E+08	105993053	+	6.349E-13	6.5857E-12	0.206184	hyper	sig	chr6_105993053
chr5	1.41E+08	141421473	+	6.353E-13	6.5898E-12	0.207109	hyper	sig	chr5_141421473
chr12	1.32E+08	132167947	+	6.358E-13	6.5948E-12	-0.20601	hypo	sig	chr12_132167947
chr2	1.13E+08	113291276	+	6.359E-13	6.5965E-12	0.25653	hyper	sig	chr2_113291276
chr4	1.11E+08	110609843	+	6.361E-13	6.5987E-12	0.302862	hyper	sig	chr4_110609843
chr15	90185851	90185851	+	6.362E-13	6.5992E-12	-0.25927	hypo	sig	chr15_90185851
chr2	1.87E+08	187003320	+	6.363E-13	6.5997E-12	0.20418	hyper	sig	chr2_187003320
chr8	1333518	1333518	+	6.364E-13	6.6007E-12	-0.20877	hypo	sig	chr8_1333518
chr1	2.3E+08	229570495	+	6.365E-13	6.6017E-12	-0.28922	hypo	sig	chr1_229570495
chr11	43577805	43577805	+	6.366E-13	6.6031E-12	0.243501	hyper	sig	chr11_43577805
chr6	1.67E+08	167396331	+	6.368E-13	6.6044E-12	-0.2412	hypo	sig	chr6_167396331
chr4	55124808	55124808	+	6.371E-13	6.6079E-12	0.244548	hyper	sig	chr4_55124808
chr4	41746634	41746634	+	6.376E-13	6.613E-12	0.250942	hyper	sig	chr4_41746634
chr4	7718362	7718362	+	6.378E-13	6.6145E-12	-0.2973	hypo	sig	chr4_7718362
chr16	67963923	67963923	+	6.38E-13	6.617E-12	0.271106	hyper	sig	chr16_67963923
chr15	67064334	67064334	+	6.382E-13	6.6181E-12	-0.20691	hypo	sig	chr15_67064334
chr16	85916154	85916154	+	6.386E-13	6.6223E-12	-0.26621	hypo	sig	chr16_85916154
chr5	26669244	26669244	+	6.386E-13	6.6223E-12	-0.20869	hypo	sig	chr5_26669244
chr19	58118402	58118402	+	6.386E-13	6.6224E-12	0.266417	hyper	sig	chr19_58118402
chr2	25822418	25822418	+	6.386E-13	6.6226E-12	0.216628	hyper	sig	chr2_25822418
chr8	1.42E+08	142101301	+	6.391E-13	6.6267E-12	-0.21974	hypo	sig	chr8_142101301
chr12	46832246	46832246	+	6.391E-13	6.6269E-12	0.226218	hyper	sig	chr12_46832246
chr8	76681040	76681040	+	6.391E-13	6.6274E-12	0.245316	hyper	sig	chr8_76681040
chr19	52536395	52536395	+	6.393E-13	6.629E-12	0.324808	hyper	sig	chr19_52536395
chr7	1.57E+08	157004598	+	6.396E-13	6.6317E-12	0.204994	hyper	sig	chr7_157004598
chr19	54339146	54339146	+	6.401E-13	6.6367E-12	-0.26651	hypo	sig	chr19_54339146
chr5	1.73E+08	173243842	+	6.401E-13	6.6367E-12	0.291633	hyper	sig	chr5_173243842
chr8	56446168	56446168	+	6.402E-13	6.6383E-12	0.290378	hyper	sig	chr8_56446168
chr5	1.35E+08	135038845	+	6.405E-13	6.6406E-12	0.26932	hyper	sig	chr5_135038845
chr5	1.32E+08	132012753	+	6.41E-13	6.646E-12	0.234939	hyper	sig	chr5_132012753
chr17	50469142	50469142	+	6.412E-13	6.6479E-12	0.293612	hyper	sig	chr17_50469142
chr19	57171752	57171752	+	6.414E-13	6.6494E-12	0.341703	hyper	sig	chr19_57171752
chr2	2.01E+08	200967047	+	6.416E-13	6.6519E-12	-0.24502	hypo	sig	chr2_200967047
chr17	81400588	81400588	+	6.42E-13	6.6559E-12	0.221901	hyper	sig	chr17_81400588
chr21	33022996	33022996	+	6.424E-13	6.6594E-12	0.30552	hyper	sig	chr21_33022996
chr12	1.13E+08	113077595	+	6.429E-13	6.6641E-12	0.22687	hyper	sig	chr12_113077595
chr12	53692878	53692878	+	6.444E-13	6.6794E-12	-0.29268	hypo	sig	chr12_53692878
chr6	1.57E+08	156633499	+	6.447E-13	6.6832E-12	-0.22995	hypo	sig	chr6_156633499
chr1	2.28E+08	228447082	+	6.45E-13	6.6854E-12	0.229241	hyper	sig	chr1_228447082
chr4	1.25E+08	125317232	+	6.459E-13	6.6949E-12	0.2245	hyper	sig	chr4_125317232
chr11	636989	636989	+	6.46E-13	6.6957E-12	0.297193	hyper	sig	chr11_636989
chr14	1.06E+08	105625103	+	6.461E-13	6.6969E-12	-0.20727	hypo	sig	chr14_105625103
chr16	89063195	89063195	+	6.464E-13	6.6996E-12	-0.29246	hypo	sig	chr16_89063195

chr19	33771195	33771195	+	6.465E-13	6.7009E-12	-0.28679	hypo	sig	chr19_33771195
chr11	20161601	20161601	+	6.466E-13	6.7016E-12	0.278901	hyper	sig	chr11_20161601
chr6	1.69E+08	168838348	+	6.467E-13	6.7027E-12	-0.22846	hypo	sig	chr6_168838348
chr4	985187	985187	+	6.468E-13	6.7032E-12	-0.24767	hypo	sig	chr4_985187
chr16	88151213	88151213	+	6.471E-13	6.7059E-12	-0.23076	hypo	sig	chr16_88151213
chr16	56192060	56192060	+	6.472E-13	6.707E-12	0.211189	hyper	sig	chr16_56192060
chr15	63041621	63041621	+	6.473E-13	6.7083E-12	0.224985	hyper	sig	chr15_63041621
chr14	1.05E+08	105011863	+	6.473E-13	6.7084E-12	0.205263	hyper	sig	chr14_105011863
chr5	73444962	73444962	+	6.474E-13	6.7093E-12	0.267702	hyper	sig	chr5_73444962
chr1	2.28E+08	228447110	+	6.482E-13	6.7168E-12	0.232377	hyper	sig	chr1_228447110
chr10	97763086	97763086	+	6.482E-13	6.7172E-12	0.223949	hyper	sig	chr10_97763086
chr2	2.39E+08	239121687	+	6.484E-13	6.7184E-12	0.223562	hyper	sig	chr2_239121687
chr4	1305622	1305622	+	6.485E-13	6.7196E-12	-0.3144	hypo	sig	chr4_1305622
chr19	58101084	58101084	+	6.485E-13	6.72E-12	-0.22671	hypo	sig	chr19_58101084
chr5	1.41E+08	141421965	+	6.487E-13	6.7212E-12	0.251604	hyper	sig	chr5_141421965
chr21	30396330	30396330	+	6.491E-13	6.7253E-12	-0.22546	hypo	sig	chr21_30396330
chr7	90119694	90119694	+	6.492E-13	6.7263E-12	0.210359	hyper	sig	chr7_90119694
chr16	828130	828130	+	6.494E-13	6.7286E-12	-0.2269	hypo	sig	chr16_828130
chr3	1.26E+08	125959147	+	6.496E-13	6.7298E-12	-0.20083	hypo	sig	chr3_125959147
chr19	1254220	1254220	+	6.497E-13	6.7313E-12	0.253437	hyper	sig	chr19_1254220
chr1	2.36E+08	235642294	+	6.503E-13	6.7373E-12	-0.32841	hypo	sig	chr1_235642294
chr16	88234170	88234170	+	6.504E-13	6.7382E-12	-0.35089	hypo	sig	chr16_88234170
chr6	7468604	7468604	+	6.508E-13	6.7421E-12	-0.23889	hypo	sig	chr6_7468604
chr8	1.43E+08	143211950	+	6.511E-13	6.7446E-12	-0.31333	hypo	sig	chr8_143211950
chr12	49091368	49091368	+	6.516E-13	6.7493E-12	0.217107	hyper	sig	chr12_49091368
chr3	62369713	62369713	+	6.516E-13	6.7497E-12	0.27258	hyper	sig	chr3_62369713
chr8	1.42E+08	142454151	+	6.517E-13	6.7508E-12	-0.23695	hypo	sig	chr8_142454151
chr17	82593901	82593901	+	6.519E-13	6.753E-12	0.218843	hyper	sig	chr17_82593901
chr20	54475195	54475195	+	6.524E-13	6.7575E-12	0.266097	hyper	sig	chr20_54475195
chr4	55157728	55157728	+	6.53E-13	6.7633E-12	0.249564	hyper	sig	chr4_55157728
chr1	1.55E+08	154860687	+	6.53E-13	6.7638E-12	-0.24803	hypo	sig	chr1_154860687
chr16	2714269	2714269	+	6.541E-13	6.7748E-12	-0.27268	hypo	sig	chr16_2714269
chr6	35213385	35213385	+	6.543E-13	6.777E-12	0.245125	hyper	sig	chr6_35213385
chr20	62377310	62377310	+	6.544E-13	6.7781E-12	0.216879	hyper	sig	chr20_62377310
chr1	6455532	6455532	+	6.545E-13	6.7793E-12	0.201466	hyper	sig	chr1_6455532
chr2	88170746	88170746	+	6.546E-13	6.7794E-12	0.227939	hyper	sig	chr2_88170746
chr9	38478509	38478509	+	6.549E-13	6.7826E-12	-0.27438	hypo	sig	chr9_38478509
chr12	47828390	47828390	+	6.55E-13	6.784E-12	0.223234	hyper	sig	chr12_47828390
chr7	1.28E+08	128032940	+	6.557E-13	6.7907E-12	0.302537	hyper	sig	chr7_128032940
chr19	4369326	4369326	+	6.558E-13	6.7914E-12	-0.29594	hypo	sig	chr19_4369326
chr2	47569718	47569718	+	6.558E-13	6.7918E-12	0.231844	hyper	sig	chr2_47569718
chr10	15718948	15718948	+	6.559E-13	6.7922E-12	0.286429	hyper	sig	chr10_15718948
chr10	1.33E+08	132851659	+	6.561E-13	6.7949E-12	-0.28801	hypo	sig	chr10_132851659
chr7	97021944	97021944	+	6.568E-13	6.8014E-12	0.324813	hyper	sig	chr7_97021944
chr17	7336513	7336513	+	6.568E-13	6.8015E-12	-0.29023	hypo	sig	chr17_7336513
chr13	1.11E+08	111283065	+	6.569E-13	6.8021E-12	0.232263	hyper	sig	chr13_111283065
chr5	79690218	79690218	+	6.571E-13	6.8041E-12	0.333839	hyper	sig	chr5_79690218
chr2	71466046	71466046	+	6.571E-13	6.8046E-12	0.225062	hyper	sig	chr2_71466046
chr8	1.43E+08	142917739	+	6.572E-13	6.8054E-12	-0.22799	hypo	sig	chr8_142917739
chr12	62191722	62191722	+	6.573E-13	6.8067E-12	0.21018	hyper	sig	chr12_62191722
chr13	1.13E+08	113090267	+	6.575E-13	6.8076E-12	0.212791	hyper	sig	chr13_113090267
chr20	37385002	37385002	+	6.575E-13	6.8077E-12	0.237101	hyper	sig	chr20_37385002
chr16	68642804	68642804	+	6.576E-13	6.8089E-12	0.258576	hyper	sig	chr16_68642804
chr17	63932214	63932214	+	6.582E-13	6.8147E-12	-0.21753	hypo	sig	chr17_63932214
chr7	1.28E+08	128032265	+	6.585E-13	6.8179E-12	0.231414	hyper	sig	chr7_128032265
chr1	26177093	26177093	+	6.59E-13	6.8227E-12	-0.23367	hypo	sig	chr1_26177093

chr11	1.23E+08	122977842	+	6.591E-13	6.8238E-12	0.264637	hyper	sig	chr11_122977842
chr7	1.58E+08	157877985	+	6.6E-13	6.8322E-12	0.241451	hyper	sig	chr7_157877985
chr16	88110398	88110398	+	6.607E-13	6.8393E-12	0.270548	hyper	sig	chr16_88110398
chr6	25218603	25218603	+	6.613E-13	6.8456E-12	0.239841	hyper	sig	chr6_25218603
chr7	97021994	97021994	+	6.615E-13	6.8477E-12	0.285715	hyper	sig	chr7_97021994
chr3	1.33E+08	133038833	+	6.616E-13	6.8492E-12	0.251752	hyper	sig	chr3_133038833
chr1	2.17E+08	217139705	+	6.618E-13	6.8511E-12	0.276164	hyper	sig	chr1_217139705
chr11	15938040	15938040	+	6.621E-13	6.8539E-12	0.221411	hyper	sig	chr11_15938040
chr22	38205257	38205257	+	6.63E-13	6.8626E-12	0.218669	hyper	sig	chr22_38205257
chr7	1.5E+08	149765777	+	6.637E-13	6.8698E-12	0.272301	hyper	sig	chr7_149765777
chr17	43402295	43402295	+	6.638E-13	6.8712E-12	0.216931	hyper	sig	chr17_43402295
chr11	22193727	22193727	+	6.66E-13	6.8932E-12	0.208242	hyper	sig	chr11_22193727
chr19	406256	406256	+	6.67E-13	6.9036E-12	-0.26878	hypo	sig	chr19_406256
chr21	45000536	45000536	+	6.672E-13	6.9051E-12	-0.20304	hypo	sig	chr21_45000536
chr4	1.55E+08	154742987	+	6.678E-13	6.911E-12	0.228602	hyper	sig	chr4_154742987
chr5	95843022	95843022	+	6.691E-13	6.9241E-12	-0.21462	hypo	sig	chr5_95843022
chr4	6342722	6342722	+	6.693E-13	6.9266E-12	-0.2148	hypo	sig	chr4_6342722
chr16	2184078	2184078	+	6.698E-13	6.9317E-12	-0.24635	hypo	sig	chr16_2184078
chr20	63738576	63738576	+	6.703E-13	6.9368E-12	0.243009	hyper	sig	chr20_63738576
chr19	13962252	13962252	+	6.704E-13	6.937E-12	0.265323	hyper	sig	chr19_13962252
chr1	1.61E+08	161259143	+	6.717E-13	6.95E-12	0.246706	hyper	sig	chr1_161259143
chr7	27145287	27145287	+	6.723E-13	6.9557E-12	0.302858	hyper	sig	chr7_27145287
chr6	1E+08	100448553	+	6.723E-13	6.956E-12	0.291052	hyper	sig	chr6_100448553
chr1	46493188	46493188	+	6.724E-13	6.9566E-12	0.238854	hyper	sig	chr1_46493188
chr2	2.41E+08	240927211	+	6.726E-13	6.959E-12	0.290145	hyper	sig	chr2_240927211
chr16	85170394	85170394	+	6.727E-13	6.9601E-12	0.262493	hyper	sig	chr16_85170394
chr2	2.34E+08	233760219	+	6.735E-13	6.9677E-12	-0.23682	hypo	sig	chr2_233760219
chr1	1.47E+08	147080123	+	6.736E-13	6.9692E-12	0.233635	hyper	sig	chr1_147080123
chr20	17227477	17227477	+	6.739E-13	6.9721E-12	0.221975	hyper	sig	chr20_17227477
chr11	61534632	61534632	+	6.744E-13	6.9766E-12	-0.24886	hypo	sig	chr11_61534632
chr16	88381973	88381973	+	6.748E-13	6.9807E-12	-0.21735	hypo	sig	chr16_88381973
chr1	2.28E+08	228446562	+	6.748E-13	6.9808E-12	0.30018	hyper	sig	chr1_228446562
chr7	23490680	23490680	+	6.757E-13	6.9904E-12	0.226608	hyper	sig	chr7_23490680
chr2	2.41E+08	240728249	+	6.759E-13	6.992E-12	-0.20935	hypo	sig	chr2_240728249
chr2	2.22E+08	221570477	+	6.765E-13	6.9977E-12	0.266608	hyper	sig	chr2_221570477
chr3	1.27E+08	127135274	+	6.769E-13	7.0014E-12	0.262619	hyper	sig	chr3_127135274
chr22	45930146	45930146	+	6.776E-13	7.009E-12	-0.28245	hypo	sig	chr22_45930146
chr11	1639283	1639283	+	6.777E-13	7.0099E-12	-0.2372	hypo	sig	chr11_1639283
chr7	1.55E+08	155487995	+	6.777E-13	7.0099E-12	-0.24339	hypo	sig	chr7_155487995
chr8	27603731	27603731	+	6.779E-13	7.0119E-12	-0.23115	hypo	sig	chr8_27603731
chr12	63843403	63843403	+	6.783E-13	7.0158E-12	0.217315	hyper	sig	chr12_63843403
chr3	1.47E+08	147378341	+	6.794E-13	7.0263E-12	0.20977	hyper	sig	chr3_147378341
chr19	49031104	49031104	+	6.8E-13	7.0327E-12	-0.25209	hypo	sig	chr19_49031104
chr6	96927912	96927912	+	6.813E-13	7.0456E-12	-0.20823	hypo	sig	chr6_96927912
chr2	1.32E+08	131646984	+	6.815E-13	7.0479E-12	0.235517	hyper	sig	chr2_131646984
chr5	56278775	56278775	+	6.817E-13	7.0497E-12	0.220299	hyper	sig	chr5_56278775
chr2	80302861	80302861	+	6.817E-13	7.05E-12	0.206963	hyper	sig	chr2_80302861
chr17	7854805	7854805	+	6.819E-13	7.0521E-12	0.200462	hyper	sig	chr17_7854805
chr5	1.73E+08	172768569	+	6.82E-13	7.053E-12	0.23072	hyper	sig	chr5_172768569
chr18	9474236	9474236	+	6.822E-13	7.0552E-12	-0.22297	hypo	sig	chr18_9474236
chr16	88102033	88102033	+	6.826E-13	7.0586E-12	0.254534	hyper	sig	chr16_88102033
chr20	46172029	46172029	+	6.835E-13	7.0674E-12	-0.23729	hypo	sig	chr20_46172029
chr8	1.2E+08	119673085	+	6.838E-13	7.0706E-12	0.211695	hyper	sig	chr8_119673085
chr20	16573818	16573818	+	6.843E-13	7.0757E-12	-0.23522	hypo	sig	chr20_16573818
chr15	79091105	79091105	+	6.843E-13	7.0761E-12	0.255991	hyper	sig	chr15_79091105
chr10	1.31E+08	131147449	+	6.844E-13	7.0766E-12	0.219558	hyper	sig	chr10_131147449

chr3	27723782	27723782	+	6.846E-13	7.0787E-12	0.20371	hyper	sig	chr3_27723782
chr22	39688719	39688719	+	6.848E-13	7.0799E-12	-0.20948	hypo	sig	chr22_39688719
chr1	3391791	3391791	+	6.849E-13	7.0811E-12	0.323702	hyper	sig	chr1_3391791
chr7	1.22E+08	122300159	+	6.849E-13	7.0811E-12	0.379879	hyper	sig	chr7_122300159
chr2	1730546	1730546	+	6.851E-13	7.0825E-12	0.251227	hyper	sig	chr2_1730546
chr10	3118879	3118879	+	6.858E-13	7.0896E-12	-0.21544	hypo	sig	chr10_3118879
chr10	79983379	79983379	+	6.858E-13	7.0901E-12	0.240727	hyper	sig	chr10_79983379
chr12	1.32E+08	132250159	+	6.865E-13	7.0966E-12	-0.29181	hypo	sig	chr12_132250159
chr11	69818368	69818368	+	6.868E-13	7.0995E-12	0.224544	hyper	sig	chr11_69818368
chr8	1.44E+08	143718864	+	6.869E-13	7.1003E-12	-0.22654	hypo	sig	chr8_143718864
chr17	81148587	81148587	+	6.875E-13	7.107E-12	-0.26737	hypo	sig	chr17_81148587
chr19	53907935	53907935	+	6.879E-13	7.1106E-12	0.305929	hyper	sig	chr19_53907935
chr10	1.23E+08	122954705	+	6.881E-13	7.1124E-12	0.225592	hyper	sig	chr10_122954705
chr10	1.32E+08	131980952	+	6.881E-13	7.1128E-12	0.224831	hyper	sig	chr10_131980952
chr13	23945857	23945857	+	6.89E-13	7.122E-12	0.208941	hyper	sig	chr13_23945857
chr5	63961736	63961736	+	6.892E-13	7.1236E-12	0.239711	hyper	sig	chr5_63961736
chr10	1.34E+08	133528003	+	6.892E-13	7.1238E-12	0.290631	hyper	sig	chr10_133528003
chr12	40693038	40693038	+	6.896E-13	7.128E-12	0.254301	hyper	sig	chr12_40693038
chr17	7855762	7855762	+	6.897E-13	7.1284E-12	0.239022	hyper	sig	chr17_7855762
chr22	36861441	36861441	+	6.899E-13	7.1303E-12	-0.28607	hypo	sig	chr22_36861441
chr8	1.45E+08	144504416	+	6.905E-13	7.1363E-12	0.210294	hyper	sig	chr8_144504416
chr1	24964934	24964934	+	6.907E-13	7.1381E-12	-0.2027	hypo	sig	chr1_24964934
chr10	1.32E+08	132274717	+	6.907E-13	7.1387E-12	-0.24745	hypo	sig	chr10_132274717
chr1	1.13E+08	112854679	+	6.91E-13	7.1415E-12	0.225932	hyper	sig	chr1_112854679
chr9	1.25E+08	124838878	+	6.91E-13	7.1415E-12	0.216571	hyper	sig	chr9_124838878
chr5	1.41E+08	141189604	+	6.914E-13	7.1451E-12	0.241379	hyper	sig	chr5_141189604
chr4	4862157	4862157	+	6.917E-13	7.148E-12	0.275796	hyper	sig	chr4_4862157
chr5	1.77E+08	176789882	+	6.922E-13	7.1528E-12	0.326541	hyper	sig	chr5_176789882
chr10	1.01E+08	101236278	+	6.924E-13	7.1551E-12	0.302536	hyper	sig	chr10_101236278
chr7	55005313	55005313	+	6.927E-13	7.1582E-12	0.244535	hyper	sig	chr7_55005313
chr4	1.65E+08	165031866	+	6.931E-13	7.1625E-12	-0.20561	hypo	sig	chr4_165031866
chr17	74235244	74235244	+	6.932E-13	7.1636E-12	-0.21224	hypo	sig	chr17_74235244
chr10	732733	732733	+	6.943E-13	7.1744E-12	-0.32922	hypo	sig	chr10_732733
chr16	30948039	30948039	+	6.944E-13	7.1747E-12	0.281134	hyper	sig	chr16_30948039
chr7	1567775	1567775	+	6.966E-13	7.1982E-12	-0.20785	hypo	sig	chr7_1567775
chr13	21668868	21668868	+	6.968E-13	7.1999E-12	0.241284	hyper	sig	chr13_21668868
chr7	2734822	2734822	+	6.97E-13	7.2021E-12	0.241716	hyper	sig	chr7_2734822
chr19	2525376	2525376	+	6.971E-13	7.2023E-12	-0.21394	hypo	sig	chr19_2525376
chr20	17683327	17683327	+	6.971E-13	7.2025E-12	-0.21476	hypo	sig	chr20_17683327
chr19	4559835	4559835	+	6.971E-13	7.2029E-12	-0.22796	hypo	sig	chr19_4559835
chr12	1.13E+08	113077634	+	6.973E-13	7.2046E-12	0.249308	hyper	sig	chr12_113077634
chr2	484791	484791	+	6.979E-13	7.2099E-12	-0.21835	hypo	sig	chr2_484791
chr14	68628986	68628986	+	6.982E-13	7.213E-12	-0.25222	hypo	sig	chr14_68628986
chr8	78762416	78762416	+	6.983E-13	7.2139E-12	0.250409	hyper	sig	chr8_78762416
chr16	52935289	52935289	+	6.99E-13	7.2218E-12	-0.27079	hypo	sig	chr16_52935289
chr21	44391584	44391584	+	6.993E-13	7.2246E-12	0.306918	hyper	sig	chr21_44391584
chr16	54931970	54931970	+	6.995E-13	7.226E-12	0.265117	hyper	sig	chr16_54931970
chr4	3492824	3492824	+	6.995E-13	7.2264E-12	0.243547	hyper	sig	chr4_3492824
chr11	1.17E+08	117181485	+	7.003E-13	7.2342E-12	0.211926	hyper	sig	chr11_117181485
chr11	49892052	49892052	+	7.004E-13	7.2349E-12	0.278302	hyper	sig	chr11_49892052
chr1	2E+08	200038781	+	7.01E-13	7.2417E-12	0.274317	hyper	sig	chr1_200038781
chr10	1.33E+08	133114718	+	7.01E-13	7.2418E-12	-0.21331	hypo	sig	chr10_133114718
chr8	20252152	20252152	+	7.011E-13	7.2424E-12	-0.26299	hypo	sig	chr8_20252152
chr2	89610235	89610235	+	7.016E-13	7.2473E-12	-0.20803	hypo	sig	chr2_89610235
chr1	6496145	6496145	+	7.021E-13	7.2518E-12	-0.26287	hypo	sig	chr1_6496145
chr6	1.5E+08	149965378	+	7.023E-13	7.2547E-12	0.233619	hyper	sig	chr6_149965378

chr1	11898256	11898256	+	7.026E-13	7.2576E-12	0.327049	hyper	sig	chr1_11898256
chr13	21668891	21668891	+	7.027E-13	7.2587E-12	0.228018	hyper	sig	chr13_21668891
chr17	45395600	45395600	+	7.029E-13	7.2603E-12	0.314748	hyper	sig	chr17_45395600
chr21	40840556	40840556	+	7.03E-13	7.2616E-12	-0.23089	hypo	sig	chr21_40840556
chr6	1.29E+08	128882742	+	7.031E-13	7.2625E-12	-0.21954	hypo	sig	chr6_128882742
chr3	1.38E+08	137762049	+	7.032E-13	7.263E-12	0.225418	hyper	sig	chr3_137762049
chr13	37105377	37105377	+	7.045E-13	7.276E-12	-0.26499	hypo	sig	chr13_37105377
chr4	54101266	54101266	+	7.045E-13	7.2761E-12	0.265975	hyper	sig	chr4_54101266
chr8	28621809	28621809	+	7.046E-13	7.2764E-12	0.210578	hyper	sig	chr8_28621809
chr15	64774099	64774099	+	7.048E-13	7.2791E-12	0.283179	hyper	sig	chr15_64774099
chr7	2729258	2729258	+	7.049E-13	7.2801E-12	0.200654	hyper	sig	chr7_2729258
chr4	4863207	4863207	+	7.05E-13	7.2806E-12	0.294889	hyper	sig	chr4_4863207
chr11	45145817	45145817	+	7.05E-13	7.2806E-12	0.221289	hyper	sig	chr11_45145817
chr19	49422421	49422421	+	7.051E-13	7.2812E-12	0.204109	hyper	sig	chr19_49422421
chr8	1.44E+08	144336240	+	7.056E-13	7.2867E-12	0.231026	hyper	sig	chr8_144336240
chr12	1.32E+08	132323984	+	7.057E-13	7.2875E-12	0.250243	hyper	sig	chr12_132323984
chr7	1.51E+08	151047283	+	7.059E-13	7.2889E-12	0.230225	hyper	sig	chr7_151047283
chr2	25167531	25167531	+	7.06E-13	7.2904E-12	0.301354	hyper	sig	chr2_25167531
chr2	98085731	98085731	+	7.066E-13	7.296E-12	-0.33786	hypo	sig	chr2_98085731
chr1	1.44E+08	143691707	+	7.071E-13	7.3008E-12	0.26388	hyper	sig	chr1_143691707
chr19	58033662	58033662	+	7.071E-13	7.3008E-12	0.321004	hyper	sig	chr19_58033662
chr3	49718996	49718996	+	7.071E-13	7.3014E-12	0.267391	hyper	sig	chr3_49718996
chr13	52847556	52847556	+	7.076E-13	7.3058E-12	0.251032	hyper	sig	chr13_52847556
chr17	869911	869911	+	7.077E-13	7.3075E-12	0.264354	hyper	sig	chr17_869911
chr19	3569103	3569103	+	7.083E-13	7.3132E-12	-0.22521	hypo	sig	chr19_3569103
chr7	65764617	65764617	+	7.094E-13	7.3238E-12	0.217482	hyper	sig	chr7_65764617
chr16	15434257	15434257	+	7.094E-13	7.3239E-12	0.250871	hyper	sig	chr16_15434257
chr19	49196259	49196259	+	7.097E-13	7.3268E-12	0.235763	hyper	sig	chr19_49196259
chr5	3325438	3325438	+	7.098E-13	7.3275E-12	0.20921	hyper	sig	chr5_3325438
chr17	41524244	41524244	+	7.099E-13	7.3284E-12	-0.27053	hypo	sig	chr17_41524244
chr1	24931356	24931356	+	7.104E-13	7.3338E-12	0.381218	hyper	sig	chr1_24931356
chr6	28816659	28816659	+	7.109E-13	7.3388E-12	0.207019	hyper	sig	chr6_28816659
chr20	62577598	62577598	+	7.112E-13	7.3421E-12	-0.20142	hypo	sig	chr20_62577598
chr7	119273	119273	+	7.116E-13	7.3454E-12	-0.29189	hypo	sig	chr7_119273
chr22	40419043	40419043	+	7.116E-13	7.3459E-12	0.261225	hyper	sig	chr22_40419043
chr17	81529251	81529251	+	7.118E-13	7.3474E-12	-0.22853	hypo	sig	chr17_81529251
chr5	1.41E+08	141373851	+	7.122E-13	7.3518E-12	0.206179	hyper	sig	chr5_141373851
chr2	1.45E+08	144524686	+	7.123E-13	7.3525E-12	0.22837	hyper	sig	chr2_144524686
chr7	2730231	2730231	+	7.123E-13	7.3526E-12	0.260875	hyper	sig	chr7_2730231
chr19	56765364	56765364	+	7.125E-13	7.3542E-12	0.242242	hyper	sig	chr19_56765364
chr17	43780346	43780346	+	7.127E-13	7.3564E-12	-0.22717	hypo	sig	chr17_43780346
chr5	1.76E+08	175800728	+	7.135E-13	7.3644E-12	-0.22669	hypo	sig	chr5_175800728
chr20	29430982	29430982	+	7.136E-13	7.3652E-12	0.279178	hyper	sig	chr20_29430982
chr19	58118320	58118320	+	7.137E-13	7.3661E-12	0.262432	hyper	sig	chr19_58118320
chr16	67661626	67661626	+	7.141E-13	7.3698E-12	0.200039	hyper	sig	chr16_67661626
chr14	1.01E+08	101065729	+	7.144E-13	7.3732E-12	-0.24018	hypo	sig	chr14_101065729
chr7	1567223	1567223	+	7.147E-13	7.3755E-12	-0.22251	hypo	sig	chr7_1567223
chr17	17810622	17810622	+	7.149E-13	7.3781E-12	0.277964	hyper	sig	chr17_17810622
chr5	1.35E+08	134512148	+	7.153E-13	7.3815E-12	0.230422	hyper	sig	chr5_134512148
chr8	10622948	10622948	+	7.153E-13	7.3816E-12	-0.24432	hypo	sig	chr8_10622948
chr16	3192737	3192737	+	7.153E-13	7.3816E-12	0.250407	hyper	sig	chr16_3192737
chr22	38873062	38873062	+	7.159E-13	7.3877E-12	0.227273	hyper	sig	chr22_38873062
chr11	30017178	30017178	+	7.172E-13	7.4008E-12	0.268536	hyper	sig	chr11_30017178
chr6	1.69E+08	169424106	+	7.172E-13	7.401E-12	-0.21763	hypo	sig	chr6_169424106
chr6	32761870	32761870	+	7.175E-13	7.4039E-12	0.257477	hyper	sig	chr6_32761870
chr1	2.11E+08	210683863	+	7.176E-13	7.4048E-12	-0.24333	hypo	sig	chr1_210683863

chr5	37249807	37249807	+	7.177E-13	7.4057E-12	0.246067	hyper	sig	chr5_37249807
chr7	1.51E+08	151008784	+	7.177E-13	7.406E-12	0.223287	hyper	sig	chr7_151008784
chr11	75584168	75584168	+	7.179E-13	7.4079E-12	0.248845	hyper	sig	chr11_75584168
chr5	1.41E+08	140836489	+	7.186E-13	7.4147E-12	0.238813	hyper	sig	chr5_140836489
chr10	1.01E+08	101228456	+	7.186E-13	7.4149E-12	0.256744	hyper	sig	chr10_101228456
chr20	6051994	6051994	+	7.188E-13	7.4161E-12	0.207995	hyper	sig	chr20_6051994
chr11	1.32E+08	131910490	+	7.191E-13	7.4195E-12	0.2246	hyper	sig	chr11_131910490
chr9	1.37E+08	137136377	+	7.193E-13	7.4217E-12	-0.24207	hypo	sig	chr9_137136377
chr14	99792897	99792897	+	7.194E-13	7.4228E-12	0.257557	hyper	sig	chr14_99792897
chr19	7668997	7668997	+	7.195E-13	7.4236E-12	-0.24417	hypo	sig	chr19_7668997
chr11	1918463	1918463	+	7.2E-13	7.4282E-12	-0.35676	hypo	sig	chr11_1918463
chr6	1.08E+08	108167198	+	7.2E-13	7.4282E-12	0.268161	hyper	sig	chr6_108167198
chr6	1.25E+08	125155074	+	7.2E-13	7.4282E-12	-0.20338	hypo	sig	chr6_125155074
chr2	6918294	6918294	+	7.2E-13	7.4282E-12	0.264815	hyper	sig	chr2_6918294
chr2	1.64E+08	163735884	+	7.204E-13	7.4318E-12	0.324253	hyper	sig	chr2_163735884
chr6	35214769	35214769	+	7.205E-13	7.4334E-12	0.385221	hyper	sig	chr6_35214769
chr1	16015644	16015644	+	7.206E-13	7.4338E-12	0.205685	hyper	sig	chr1_16015644
chr22	45889830	45889830	+	7.213E-13	7.4407E-12	0.23366	hyper	sig	chr22_45889830
chr1	1.98E+08	197910576	+	7.217E-13	7.4451E-12	0.298403	hyper	sig	chr1_197910576
chr7	1.57E+08	157499122	+	7.222E-13	7.4497E-12	-0.29304	hypo	sig	chr7_157499122
chr10	70603460	70603460	+	7.226E-13	7.4537E-12	-0.20296	hypo	sig	chr10_70603460
chr14	85530455	85530455	+	7.226E-13	7.4539E-12	0.260387	hyper	sig	chr14_85530455
chr11	64972130	64972130	+	7.228E-13	7.456E-12	0.319017	hyper	sig	chr11_64972130
chr6	32090069	32090069	+	7.23E-13	7.4575E-12	-0.27522	hypo	sig	chr6_32090069
chr3	46464834	46464834	+	7.238E-13	7.4663E-12	0.20116	hyper	sig	chr3_46464834
chr21	26967652	26967652	+	7.239E-13	7.4673E-12	0.245257	hyper	sig	chr21_26967652
chr13	31111063	31111063	+	7.241E-13	7.4683E-12	-0.24512	hypo	sig	chr13_31111063
chr19	53978343	53978343	+	7.254E-13	7.4817E-12	0.32737	hyper	sig	chr19_53978343
chr6	1.08E+08	108175512	+	7.255E-13	7.4832E-12	0.270089	hyper	sig	chr6_108175512
chr6	1.37E+08	137495847	+	7.27E-13	7.4979E-12	0.237001	hyper	sig	chr6_137495847
chr20	62220933	62220933	+	7.274E-13	7.502E-12	0.277027	hyper	sig	chr20_62220933
chr12	1.03E+08	102824438	+	7.28E-13	7.5082E-12	0.321553	hyper	sig	chr12_102824438
chr2	2.2E+08	219516514	+	7.281E-13	7.5087E-12	-0.29367	hypo	sig	chr2_219516514
chr16	841494	841494	+	7.285E-13	7.5126E-12	-0.32176	hypo	sig	chr16_841494
chr11	46295605	46295605	+	7.288E-13	7.5154E-12	0.239869	hyper	sig	chr11_46295605
chr5	44388960	44388960	+	7.29E-13	7.5176E-12	0.217842	hyper	sig	chr5_44388960
chr7	97731967	97731967	+	7.29E-13	7.518E-12	0.241154	hyper	sig	chr7_97731967
chr7	1.59E+08	159034197	+	7.292E-13	7.5196E-12	-0.23764	hypo	sig	chr7_159034197
chr1	2.43E+08	243482933	+	7.296E-13	7.524E-12	0.303698	hyper	sig	chr1_243482933
chr16	268844	268844	+	7.3E-13	7.5279E-12	-0.24385	hypo	sig	chr16_268844
chr3	1.47E+08	147412027	+	7.301E-13	7.5288E-12	0.294572	hyper	sig	chr3_147412027
chr19	35310097	35310097	+	7.303E-13	7.53E-12	-0.24603	hypo	sig	chr19_35310097
chr15	26625661	26625661	+	7.303E-13	7.5305E-12	-0.28076	hypo	sig	chr15_26625661
chr5	73381438	73381438	+	7.304E-13	7.5313E-12	0.230058	hyper	sig	chr5_73381438
chr12	40693049	40693049	+	7.307E-13	7.5337E-12	0.281147	hyper	sig	chr12_40693049
chr14	75980984	75980984	+	7.308E-13	7.5352E-12	0.216556	hyper	sig	chr14_75980984
chr6	39793499	39793499	+	7.311E-13	7.5381E-12	0.26992	hyper	sig	chr6_39793499
chr5	506228	506228	+	7.311E-13	7.5382E-12	-0.22944	hypo	sig	chr5_506228
chr2	2.42E+08	242012149	+	7.317E-13	7.5442E-12	-0.20652	hypo	sig	chr2_242012149
chr19	52453729	52453729	+	7.321E-13	7.5481E-12	0.34784	hyper	sig	chr19_52453729
chr1	3067911	3067911	+	7.322E-13	7.5492E-12	0.212036	hyper	sig	chr1_3067911
chr6	77650209	77650209	+	7.323E-13	7.5497E-12	0.279659	hyper	sig	chr6_77650209
chr2	2.31E+08	231395405	+	7.324E-13	7.5507E-12	0.33563	hyper	sig	chr2_231395405
chr16	89052576	89052576	+	7.332E-13	7.559E-12	-0.33609	hypo	sig	chr16_89052576
chr15	63597515	63597515	+	7.334E-13	7.5607E-12	0.241196	hyper	sig	chr15_63597515
chr2	642562	642562	+	7.337E-13	7.5634E-12	-0.22623	hypo	sig	chr2_642562

chr2	2.41E+08	240683971	+	7.337E-13	7.5634E-12	-0.2134	hypo	sig	chr2_240683971
chr17	78461558	78461558	+	7.338E-13	7.565E-12	-0.26469	hypo	sig	chr17_78461558
chr17	7855568	7855568	+	7.344E-13	7.5704E-12	0.283565	hyper	sig	chr17_7855568
chr3	50341601	50341601	+	7.345E-13	7.5714E-12	-0.23507	hypo	sig	chr3_50341601
chr17	49473738	49473738	+	7.346E-13	7.5724E-12	-0.21496	hypo	sig	chr17_49473738
chr1	4163921	4163921	+	7.348E-13	7.5741E-12	-0.27753	hypo	sig	chr1_4163921
chr3	9552621	9552621	+	7.355E-13	7.5816E-12	0.262181	hyper	sig	chr3_9552621
chr6	1618899	1618899	+	7.359E-13	7.586E-12	0.207031	hyper	sig	chr6_1618899
chr5	1555676	1555676	+	7.363E-13	7.59E-12	-0.26825	hypo	sig	chr5_1555676
chr11	637021	637021	+	7.364E-13	7.5905E-12	0.22379	hyper	sig	chr11_637021
chr8	78762380	78762380	+	7.366E-13	7.5925E-12	0.230999	hyper	sig	chr8_78762380
chr2	1.19E+08	118852115	+	7.37E-13	7.5963E-12	0.217502	hyper	sig	chr2_118852115
chr2	70141652	70141652	+	7.377E-13	7.6039E-12	-0.22671	hypo	sig	chr2_70141652
chr3	51984082	51984082	+	7.382E-13	7.6085E-12	-0.30816	hypo	sig	chr3_51984082
chr10	49769086	49769086	+	7.391E-13	7.6176E-12	0.319899	hyper	sig	chr10_49769086
chr7	50401989	50401989	+	7.413E-13	7.6398E-12	-0.2534	hypo	sig	chr7_50401989
chr12	1.32E+08	132259665	+	7.414E-13	7.6406E-12	-0.2391	hypo	sig	chr12_132259665
chr7	1.28E+08	128032037	+	7.414E-13	7.641E-12	0.310184	hyper	sig	chr7_128032037
chr1	42152686	42152686	+	7.418E-13	7.6442E-12	-0.21666	hypo	sig	chr1_42152686
chr19	52453956	52453956	+	7.422E-13	7.6481E-12	0.351797	hyper	sig	chr19_52453956
chr18	13827700	13827700	+	7.423E-13	7.6491E-12	-0.2395	hypo	sig	chr18_13827700
chr14	23424059	23424059	+	7.425E-13	7.6515E-12	-0.25997	hypo	sig	chr14_23424059
chr16	1027663	1027663	+	7.427E-13	7.6528E-12	-0.30584	hypo	sig	chr16_1027663
chr7	1.59E+08	159001154	+	7.43E-13	7.6564E-12	-0.27879	hypo	sig	chr7_159001154
chr2	2.42E+08	241843142	+	7.432E-13	7.6579E-12	-0.21966	hypo	sig	chr2_241843142
chr17	49495659	49495659	+	7.433E-13	7.6587E-12	0.210329	hyper	sig	chr17_49495659
chr12	6075359	6075359	+	7.441E-13	7.6669E-12	-0.25777	hypo	sig	chr12_6075359
chr17	74671060	74671060	+	7.444E-13	7.6702E-12	0.224318	hyper	sig	chr17_74671060
chr20	61903100	61903100	+	7.447E-13	7.6728E-12	-0.34825	hypo	sig	chr20_61903100
chr5	1243854	1243854	+	7.448E-13	7.6735E-12	0.277727	hyper	sig	chr5_1243854
chr6	32080902	32080902	+	7.45E-13	7.6761E-12	-0.23486	hypo	sig	chr6_32080902
chr8	1099167	1099167	+	7.451E-13	7.6768E-12	-0.20416	hypo	sig	chr8_1099167
chr1	3565104	3565104	+	7.451E-13	7.6773E-12	-0.27896	hypo	sig	chr1_3565104
chr22	50044557	50044557	+	7.457E-13	7.6829E-12	-0.2212	hypo	sig	chr22_50044557
chr17	8009020	8009020	+	7.462E-13	7.6874E-12	-0.22185	hypo	sig	chr17_8009020
chr6	225824	225824	+	7.463E-13	7.6884E-12	-0.23972	hypo	sig	chr6_225824
chr1	3366327	3366327	+	7.464E-13	7.6894E-12	0.241973	hyper	sig	chr1_3366327
chr7	1.59E+08	159003072	+	7.465E-13	7.69E-12	-0.24707	hypo	sig	chr7_159003072
chr11	11156378	11156378	+	7.465E-13	7.6901E-12	-0.2376	hypo	sig	chr11_11156378
chr9	2619314	2619314	+	7.468E-13	7.6931E-12	-0.23034	hypo	sig	chr9_2619314
chr11	69774080	69774080	+	7.469E-13	7.6938E-12	0.230223	hyper	sig	chr11_69774080
chr3	13877910	13877910	+	7.477E-13	7.7016E-12	0.26537	hyper	sig	chr3_13877910
chr1	17424270	17424270	+	7.477E-13	7.7023E-12	0.244266	hyper	sig	chr1_17424270
chr10	93074524	93074524	+	7.482E-13	7.7071E-12	0.200154	hyper	sig	chr10_93074524
chr17	79925829	79925829	+	7.489E-13	7.7139E-12	-0.31883	hypo	sig	chr17_79925829
chr12	57570230	57570230	+	7.494E-13	7.7193E-12	-0.23521	hypo	sig	chr12_57570230
chr7	504896	504896	+	7.495E-13	7.7195E-12	-0.22226	hypo	sig	chr7_504896
chr5	93602054	93602054	+	7.496E-13	7.7207E-12	0.221111	hyper	sig	chr5_93602054
chr3	1.26E+08	126056636	+	7.5E-13	7.7247E-12	-0.22919	hypo	sig	chr3_126056636
chr18	79529463	79529463	+	7.501E-13	7.7257E-12	0.262462	hyper	sig	chr18_79529463
chr6	42142966	42142966	+	7.506E-13	7.7309E-12	-0.23819	hypo	sig	chr6_42142966
chr10	1.29E+08	128541089	+	7.512E-13	7.7365E-12	0.259769	hyper	sig	chr10_128541089
chr15	37102924	37102924	+	7.513E-13	7.7378E-12	0.240676	hyper	sig	chr15_37102924
chr14	41607507	41607507	+	7.514E-13	7.7385E-12	0.222494	hyper	sig	chr14_41607507
chr15	81118459	81118459	+	7.515E-13	7.7396E-12	0.220678	hyper	sig	chr15_81118459
chr4	3645247	3645247	+	7.518E-13	7.7422E-12	-0.20097	hypo	sig	chr4_3645247

chr19	47604232	47604232	+	7.519E-13	7.7428E-12	-0.31014	hypo	sig	chr19_47604232
chr4	4872342	4872342	+	7.519E-13	7.7429E-12	0.226295	hyper	sig	chr4_4872342
chr10	1210429	1210429	+	7.522E-13	7.7463E-12	-0.20494	hypo	sig	chr10_1210429
chr4	1.66E+08	165874244	+	7.523E-13	7.7466E-12	0.256307	hyper	sig	chr4_165874244
chr1	2242135	2242135	+	7.524E-13	7.7475E-12	0.242968	hyper	sig	chr1_2242135
chr7	1.22E+08	122316420	+	7.527E-13	7.7509E-12	0.216985	hyper	sig	chr7_122316420
chr19	345347	345347	+	7.539E-13	7.7626E-12	0.269843	hyper	sig	chr19_345347
chr10	1.16E+08	116271744	+	7.54E-13	7.7641E-12	0.247838	hyper	sig	chr10_116271744
chr2	2.19E+08	219171205	+	7.546E-13	7.7699E-12	0.205087	hyper	sig	chr2_219171205
chr22	18969302	18969302	+	7.557E-13	7.7809E-12	-0.20723	hypo	sig	chr22_18969302
chr6	1.66E+08	165664254	+	7.561E-13	7.7851E-12	0.248226	hyper	sig	chr6_165664254
chr17	80436145	80436145	+	7.564E-13	7.7876E-12	-0.28724	hypo	sig	chr17_80436145
chr6	1E+08	100458413	+	7.564E-13	7.7877E-12	0.249834	hyper	sig	chr6_100458413
chr16	1526124	1526124	+	7.569E-13	7.7929E-12	-0.20696	hypo	sig	chr16_1526124
chr5	3597340	3597340	+	7.576E-13	7.8003E-12	0.38221	hyper	sig	chr5_3597340
chr11	94545721	94545721	+	7.578E-13	7.8017E-12	-0.23332	hypo	sig	chr11_94545721
chr1	2.1E+08	209937817	+	7.584E-13	7.8082E-12	0.229103	hyper	sig	chr1_209937817
chr16	51151572	51151572	+	7.597E-13	7.8206E-12	0.203057	hyper	sig	chr16_51151572
chr7	1.56E+08	155997641	+	7.601E-13	7.8247E-12	0.202928	hyper	sig	chr7_155997641
chr10	788488	788488	+	7.615E-13	7.8383E-12	-0.20941	hypo	sig	chr10_788488
chr15	41403096	41403096	+	7.616E-13	7.8394E-12	-0.2501	hypo	sig	chr15_41403096
chr7	2532427	2532427	+	7.62E-13	7.843E-12	-0.30612	hypo	sig	chr7_2532427
chr22	24188398	24188398	+	7.623E-13	7.8461E-12	-0.22951	hypo	sig	chr22_24188398
chr11	1.18E+08	117780713	+	7.627E-13	7.8501E-12	-0.24935	hypo	sig	chr11_117780713
chr5	1.16E+08	115602762	+	7.628E-13	7.851E-12	0.221659	hyper	sig	chr5_115602762
chr6	77463177	77463177	+	7.629E-13	7.8523E-12	0.299362	hyper	sig	chr6_77463177
chr21	36702692	36702692	+	7.63E-13	7.8528E-12	0.257933	hyper	sig	chr21_36702692
chr13	1.13E+08	112874487	+	7.64E-13	7.8632E-12	0.265035	hyper	sig	chr13_112874487
chr9	19788218	19788218	+	7.645E-13	7.8682E-12	0.220456	hyper	sig	chr9_19788218
chr17	80002840	80002840	+	7.651E-13	7.8736E-12	-0.25993	hypo	sig	chr17_80002840
chr19	1766323	1766323	+	7.651E-13	7.8736E-12	0.254595	hyper	sig	chr19_1766323
chr1	1.47E+08	147072496	+	7.659E-13	7.8822E-12	0.237995	hyper	sig	chr1_147072496
chr16	12903641	12903641	+	7.661E-13	7.8837E-12	0.226334	hyper	sig	chr16_12903641
chr19	12266387	12266387	+	7.665E-13	7.8874E-12	0.212079	hyper	sig	chr19_12266387
chr5	1.75E+08	174733332	+	7.668E-13	7.891E-12	0.292499	hyper	sig	chr5_174733332
chr7	97732130	97732130	+	7.672E-13	7.8943E-12	0.227972	hyper	sig	chr7_97732130
chr19	7873642	7873642	+	7.674E-13	7.8968E-12	0.299853	hyper	sig	chr19_7873642
chr7	1.51E+08	151203388	+	7.675E-13	7.898E-12	-0.30747	hypo	sig	chr7_151203388
chr1	2.3E+08	229570483	+	7.676E-13	7.8983E-12	-0.2729	hypo	sig	chr1_229570483
chr6	15504692	15504692	+	7.684E-13	7.9064E-12	0.242991	hyper	sig	chr6_15504692
chr15	40106347	40106347	+	7.686E-13	7.9086E-12	-0.20784	hypo	sig	chr15_40106347
chr6	27495638	27495638	+	7.686E-13	7.9089E-12	0.270384	hyper	sig	chr6_27495638
chr8	1.4E+08	140119195	+	7.687E-13	7.9093E-12	0.241998	hyper	sig	chr8_140119195
chr15	22259871	22259871	+	7.687E-13	7.9096E-12	-0.27116	hypo	sig	chr15_22259871
chr1	10697796	10697796	+	7.69E-13	7.9124E-12	-0.21875	hypo	sig	chr1_10697796
chr17	47690234	47690234	+	7.705E-13	7.9273E-12	-0.24897	hypo	sig	chr17_47690234
chr7	35254907	35254907	+	7.706E-13	7.9286E-12	0.354095	hyper	sig	chr7_35254907
chr1	2.34E+08	234356766	+	7.707E-13	7.929E-12	-0.22157	hypo	sig	chr1_234356766
chr11	1926463	1926463	+	7.712E-13	7.9339E-12	-0.25049	hypo	sig	chr11_1926463
chr9	1.34E+08	134387343	+	7.715E-13	7.9371E-12	0.223839	hyper	sig	chr9_134387343
chr17	48605763	48605763	+	7.717E-13	7.9391E-12	-0.24817	hypo	sig	chr17_48605763
chr17	52160513	52160513	+	7.717E-13	7.9391E-12	0.27046	hyper	sig	chr17_52160513
chr9	1.37E+08	136844556	+	7.722E-13	7.9439E-12	0.218905	hyper	sig	chr9_136844556
chr8	1.44E+08	143934174	+	7.724E-13	7.9453E-12	0.212971	hyper	sig	chr8_143934174
chr1	27618605	27618605	+	7.732E-13	7.9534E-12	-0.27372	hypo	sig	chr1_27618605
chr13	87671815	87671815	+	7.737E-13	7.9586E-12	0.279092	hyper	sig	chr13_87671815

chr13	1.13E+08	113141807	+	7.74E-13	7.9615E-12	-0.2583	hypo	sig	chr13_113141807
chr8	6805797	6805797	+	7.74E-13	7.9615E-12	-0.22525	hypo	sig	chr8_6805797
chr5	1.7E+08	170106368	+	7.741E-13	7.9623E-12	-0.26153	hypo	sig	chr5_170106368
chr2	23390375	23390375	+	7.745E-13	7.9664E-12	-0.24941	hypo	sig	chr2_23390375
chr3	62377142	62377142	+	7.751E-13	7.9714E-12	0.240049	hyper	sig	chr3_62377142
chr5	71719610	71719610	+	7.752E-13	7.9732E-12	0.232167	hyper	sig	chr5_71719610
chr6	3234075	3234075	+	7.753E-13	7.974E-12	-0.20037	hypo	sig	chr6_3234075
chr14	36504190	36504190	+	7.759E-13	7.9795E-12	0.263551	hyper	sig	chr14_36504190
chr13	37105666	37105666	+	7.761E-13	7.9815E-12	-0.20951	hypo	sig	chr13_37105666
chr6	1.5E+08	149748894	+	7.761E-13	7.9815E-12	-0.20899	hypo	sig	chr6_149748894
chr5	42971361	42971361	+	7.762E-13	7.9826E-12	0.230044	hyper	sig	chr5_42971361
chr11	16611171	16611171	+	7.765E-13	7.985E-12	0.236344	hyper	sig	chr11_16611171
chr6	28921966	28921966	+	7.776E-13	7.9955E-12	-0.2323	hypo	sig	chr6_28921966
chr1	20723994	20723994	+	7.779E-13	7.9992E-12	-0.20401	hypo	sig	chr1_20723994
chr15	70407291	70407291	+	7.78E-13	8.0003E-12	0.25194	hyper	sig	chr15_70407291
chr17	52159431	52159431	+	7.781E-13	8.0009E-12	0.220515	hyper	sig	chr17_52159431
chr4	1.39E+08	139279632	+	7.783E-13	8.0031E-12	0.221511	hyper	sig	chr4_139279632
chr5	1.73E+08	173234101	+	7.788E-13	8.0079E-12	0.252569	hyper	sig	chr5_173234101
chr16	87432180	87432180	+	7.79E-13	8.0092E-12	0.217182	hyper	sig	chr16_87432180
chr20	22568605	22568605	+	7.794E-13	8.0137E-12	0.325468	hyper	sig	chr20_22568605
chr20	63044062	63044062	+	7.799E-13	8.0183E-12	-0.34414	hypo	sig	chr20_63044062
chr12	9943571	9943571	+	7.801E-13	8.0204E-12	0.239221	hyper	sig	chr12_9943571
chr5	1761293	1761293	+	7.808E-13	8.0271E-12	-0.20073	hypo	sig	chr5_1761293
chr10	1.33E+08	133106981	+	7.809E-13	8.0286E-12	-0.26604	hypo	sig	chr10_133106981
chr8	1.03E+08	103140097	+	7.817E-13	8.036E-12	-0.213	hypo	sig	chr8_103140097
chr17	81962719	81962719	+	7.822E-13	8.0412E-12	0.202721	hyper	sig	chr17_81962719
chr1	28914021	28914021	+	7.829E-13	8.0481E-12	0.236048	hyper	sig	chr1_28914021
chr6	43276556	43276556	+	7.829E-13	8.0484E-12	-0.28874	hypo	sig	chr6_43276556
chr19	58217160	58217160	+	7.83E-13	8.0494E-12	0.254512	hyper	sig	chr19_58217160
chr8	2034773	2034773	+	7.836E-13	8.0552E-12	-0.24172	hypo	sig	chr8_2034773
chr3	48656164	48656164	+	7.837E-13	8.056E-12	0.288558	hyper	sig	chr3_48656164
chr3	1.25E+08	125141954	+	7.845E-13	8.064E-12	0.259375	hyper	sig	chr3_125141954
chr19	19170652	19170652	+	7.846E-13	8.0647E-12	0.210092	hyper	sig	chr19_19170652
chr1	32886139	32886139	+	7.847E-13	8.0652E-12	0.233916	hyper	sig	chr1_32886139
chr15	31179060	31179060	+	7.857E-13	8.0753E-12	-0.23074	hypo	sig	chr15_31179060
chr1	2.05E+08	205343567	+	7.861E-13	8.0792E-12	0.29711	hyper	sig	chr1_205343567
chr10	1.22E+08	122469023	+	7.864E-13	8.0827E-12	-0.25633	hypo	sig	chr10_122469023
chr1	1.61E+08	161259193	+	7.867E-13	8.0848E-12	0.212348	hyper	sig	chr1_161259193
chr5	1.79E+08	179060214	+	7.877E-13	8.0948E-12	0.237651	hyper	sig	chr5_179060214
chr1	22451238	22451238	+	7.88E-13	8.0982E-12	-0.20388	hypo	sig	chr1_22451238
chr7	27122534	27122534	+	7.88E-13	8.0982E-12	-0.22	hypo	sig	chr7_27122534
chr22	50085361	50085361	+	7.881E-13	8.0988E-12	-0.21007	hypo	sig	chr22_50085361
chr7	668159	668159	+	7.882E-13	8.0999E-12	0.235063	hyper	sig	chr7_668159
chr17	77960348	77960348	+	7.884E-13	8.1014E-12	0.229024	hyper	sig	chr17_77960348
chr22	43891593	43891593	+	7.892E-13	8.1099E-12	0.247749	hyper	sig	chr22_43891593
chr16	81610161	81610161	+	7.894E-13	8.1114E-12	0.279584	hyper	sig	chr16_81610161
chr8	16784048	16784048	+	7.906E-13	8.1234E-12	-0.20015	hypo	sig	chr8_16784048
chr7	1.58E+08	157675629	+	7.908E-13	8.1261E-12	-0.28774	hypo	sig	chr7_157675629
chr7	5297110	5297110	+	7.909E-13	8.1262E-12	-0.21779	hypo	sig	chr7_5297110
chr21	33024401	33024401	+	7.916E-13	8.1333E-12	0.262434	hyper	sig	chr21_33024401
chr16	81651485	81651485	+	7.921E-13	8.1385E-12	0.233781	hyper	sig	chr16_81651485
chr3	1.47E+08	147409936	+	7.921E-13	8.1385E-12	0.284677	hyper	sig	chr3_147409936
chr2	95022812	95022812	+	7.924E-13	8.1407E-12	-0.20156	hypo	sig	chr2_95022812
chr10	1.18E+08	117735073	+	7.926E-13	8.1429E-12	0.214015	hyper	sig	chr10_117735073
chr7	1.03E+08	103447752	+	7.926E-13	8.1429E-12	-0.23324	hypo	sig	chr7_103447752
chr16	66948718	66948718	+	7.93E-13	8.1474E-12	0.235269	hyper	sig	chr16_66948718

chr10	1.33E+08	133277563	+	7.935E-13	8.1519E-12	0.271298	hyper	sig	chr10_133277563
chr12	30201572	30201572	+	7.94E-13	8.1572E-12	0.229445	hyper	sig	chr12_30201572
chr14	1.03E+08	102950052	+	7.941E-13	8.158E-12	0.21517	hyper	sig	chr14_102950052
chr15	20356607	20356607	+	7.946E-13	8.1622E-12	-0.25222	hypo	sig	chr15_20356607
chr17	79179298	79179298	+	7.952E-13	8.168E-12	-0.24815	hypo	sig	chr17_79179298
chr3	10007074	10007074	+	7.957E-13	8.1733E-12	-0.21396	hypo	sig	chr3_10007074
chr5	1193623	1193623	+	7.961E-13	8.1774E-12	-0.22446	hypo	sig	chr5_1193623
chr3	1.66E+08	165649557	+	7.963E-13	8.1786E-12	-0.20891	hypo	sig	chr3_165649557
chr7	1159152	1159152	+	7.965E-13	8.1807E-12	-0.24776	hypo	sig	chr7_1159152
chr20	62220762	62220762	+	7.968E-13	8.1833E-12	0.215051	hyper	sig	chr20_62220762
chr11	61827436	61827436	+	7.972E-13	8.1876E-12	0.266549	hyper	sig	chr11_61827436
chr3	52373093	52373093	+	7.983E-13	8.1986E-12	0.213357	hyper	sig	chr3_52373093
chr3	1.84E+08	184492202	+	7.993E-13	8.208E-12	0.236482	hyper	sig	chr3_184492202
chr6	29755524	29755524	+	7.996E-13	8.2117E-12	0.222177	hyper	sig	chr6_29755524
chr3	1.47E+08	147380828	+	8.003E-13	8.2184E-12	0.254194	hyper	sig	chr3_147380828
chr17	61398125	61398125	+	8.009E-13	8.224E-12	0.226227	hyper	sig	chr17_61398125
chr2	70907354	70907354	+	8.011E-13	8.2261E-12	0.2364	hyper	sig	chr2_70907354
chr2	38533565	38533565	+	8.011E-13	8.2262E-12	0.201829	hyper	sig	chr2_38533565
chr7	73831422	73831422	+	8.013E-13	8.2282E-12	-0.20383	hypo	sig	chr7_73831422
chr1	1.1E+08	110068236	+	8.015E-13	8.2295E-12	0.240758	hyper	sig	chr1_110068236
chr17	7855451	7855451	+	8.016E-13	8.2309E-12	0.297987	hyper	sig	chr17_7855451
chr11	1074749	1074749	+	8.016E-13	8.2309E-12	-0.21818	hypo	sig	chr11_1074749
chr3	36945334	36945334	+	8.017E-13	8.2314E-12	0.245489	hyper	sig	chr3_36945334
chr1	23949357	23949357	+	8.021E-13	8.2351E-12	-0.22122	hypo	sig	chr1_23949357
chr7	32318905	32318905	+	8.022E-13	8.2361E-12	0.220899	hyper	sig	chr7_32318905
chr19	15934311	15934311	+	8.023E-13	8.2374E-12	0.204815	hyper	sig	chr19_15934311
chr1	47232849	47232849	+	8.034E-13	8.2477E-12	0.231453	hyper	sig	chr1_47232849
chr10	1.3E+08	129899021	+	8.037E-13	8.2509E-12	0.238106	hyper	sig	chr10_129899021
chr9	1.36E+08	135960347	+	8.037E-13	8.2509E-12	0.22203	hyper	sig	chr9_135960347
chr1	2.02E+08	201503711	+	8.042E-13	8.2558E-12	0.210165	hyper	sig	chr1_201503711
chr7	91892952	91892952	+	8.043E-13	8.257E-12	-0.26085	hypo	sig	chr7_91892952
chr11	267613	267613	+	8.045E-13	8.2587E-12	-0.20718	hypo	sig	chr11_267613
chr11	17461000	17461000	+	8.045E-13	8.259E-12	-0.21172	hypo	sig	chr11_17461000
chr2	81197268	81197268	+	8.05E-13	8.2634E-12	-0.23228	hypo	sig	chr2_81197268
chr2	44166346	44166346	+	8.061E-13	8.2746E-12	0.224898	hyper	sig	chr2_44166346
chr16	1958478	1958478	+	8.062E-13	8.2757E-12	0.223882	hyper	sig	chr16_1958478
chr4	1.9E+08	190015805	+	8.072E-13	8.285E-12	0.272135	hyper	sig	chr4_190015805
chr1	1.54E+08	153790133	+	8.074E-13	8.2868E-12	0.250921	hyper	sig	chr1_153790133
chr3	47010043	47010043	+	8.076E-13	8.2895E-12	0.326033	hyper	sig	chr3_47010043
chr10	79242829	79242829	+	8.081E-13	8.2942E-12	0.211295	hyper	sig	chr10_79242829
chr8	64370800	64370800	+	8.086E-13	8.2991E-12	0.288393	hyper	sig	chr8_64370800
chr4	1212058	1212058	+	8.086E-13	8.2993E-12	0.233917	hyper	sig	chr4_1212058
chr11	2301466	2301466	+	8.089E-13	8.3016E-12	-0.2183	hypo	sig	chr11_2301466
chr16	67165672	67165672	+	8.091E-13	8.3036E-12	0.307226	hyper	sig	chr16_67165672
chr13	1.13E+08	113420622	+	8.093E-13	8.3054E-12	-0.31044	hypo	sig	chr13_113420622
chr7	27160043	27160043	+	8.093E-13	8.3061E-12	-0.25721	hypo	sig	chr7_27160043
chr18	46657171	46657171	+	8.099E-13	8.3111E-12	-0.22543	hypo	sig	chr18_46657171
chr19	57708754	57708754	+	8.098E-13	8.3111E-12	0.273231	hyper	sig	chr19_57708754
chr1	7425142	7425142	+	8.102E-13	8.314E-12	-0.20023	hypo	sig	chr1_7425142
chr11	69643827	69643827	+	8.102E-13	8.3146E-12	0.235895	hyper	sig	chr11_69643827
chr13	1.13E+08	112996985	+	8.106E-13	8.3181E-12	-0.25578	hypo	sig	chr13_112996985
chr20	63411137	63411137	+	8.109E-13	8.321E-12	-0.2377	hypo	sig	chr20_63411137
chr3	58587175	58587175	+	8.109E-13	8.321E-12	0.209298	hyper	sig	chr3_58587175
chr4	1.25E+08	125316885	+	8.11E-13	8.3224E-12	0.226854	hyper	sig	chr4_125316885
chr9	1.25E+08	124852202	+	8.117E-13	8.3285E-12	0.230157	hyper	sig	chr9_124852202
chr10	1.32E+08	132296251	+	8.117E-13	8.329E-12	-0.21035	hypo	sig	chr10_132296251

chr11	76660888	76660888	+	8.122E-13	8.3341E-12	-0.2251	hypo	sig	chr11_76660888
chr3	43995591	43995591	+	8.126E-13	8.3378E-12	0.201615	hyper	sig	chr3_43995591
chr3	13932997	13932997	+	8.127E-13	8.3383E-12	0.244143	hyper	sig	chr3_13932997
chr1	24319643	24319643	+	8.137E-13	8.3484E-12	-0.20011	hypo	sig	chr1_24319643
chr11	45650627	45650627	+	8.142E-13	8.3536E-12	-0.23007	hypo	sig	chr11_45650627
chr11	64972003	64972003	+	8.154E-13	8.3656E-12	0.215606	hyper	sig	chr11_64972003
chr11	16610553	16610553	+	8.164E-13	8.3757E-12	0.20941	hyper	sig	chr11_16610553
chr12	1820331	1820331	+	8.168E-13	8.3789E-12	0.274096	hyper	sig	chr12_1820331
chr15	1.01E+08	100861250	+	8.169E-13	8.3801E-12	-0.23134	hypo	sig	chr15_100861250
chr1	1.44E+08	143575170	+	8.178E-13	8.3893E-12	-0.21385	hypo	sig	chr1_143575170
chr17	13602325	13602325	+	8.178E-13	8.3895E-12	0.291393	hyper	sig	chr17_13602325
chr22	38089783	38089783	+	8.182E-13	8.3932E-12	0.258643	hyper	sig	chr22_38089783
chr7	2039128	2039128	+	8.183E-13	8.3944E-12	-0.21241	hypo	sig	chr7_2039128
chr15	92586577	92586577	+	8.192E-13	8.403E-12	-0.21216	hypo	sig	chr15_92586577
chr5	959088	959088	+	8.196E-13	8.4072E-12	-0.22207	hypo	sig	chr5_959088
chr1	1.81E+08	181483884	+	8.203E-13	8.4145E-12	0.244519	hyper	sig	chr1_181483884
chr12	1.25E+08	124543771	+	8.218E-13	8.4294E-12	0.240645	hyper	sig	chr12_124543771
chr11	66857752	66857752	+	8.218E-13	8.4295E-12	-0.20958	hypo	sig	chr11_66857752
chr12	7440121	7440121	+	8.222E-13	8.433E-12	0.20034	hyper	sig	chr12_7440121
chr4	1.9E+08	190012734	+	8.223E-13	8.4336E-12	-0.21363	hypo	sig	chr4_190012734
chr2	38038445	38038445	+	8.227E-13	8.4378E-12	0.280244	hyper	sig	chr2_38038445
chr7	55449414	55449414	+	8.227E-13	8.4378E-12	0.270325	hyper	sig	chr7_55449414
chr2	10835166	10835166	+	8.234E-13	8.4447E-12	-0.24784	hypo	sig	chr2_10835166
chr19	34554636	34554636	+	8.237E-13	8.4477E-12	-0.25271	hypo	sig	chr19_34554636
chr1	6472587	6472587	+	8.238E-13	8.4483E-12	-0.23078	hypo	sig	chr1_6472587
chr2	1.19E+08	118845261	+	8.239E-13	8.4502E-12	0.202483	hyper	sig	chr2_118845261
chr21	33024695	33024695	+	8.243E-13	8.4539E-12	0.208221	hyper	sig	chr21_33024695
chr16	77788928	77788928	+	8.246E-13	8.4571E-12	0.354526	hyper	sig	chr16_77788928
chr18	10131879	10131879	+	8.247E-13	8.4576E-12	-0.2347	hypo	sig	chr18_10131879
chr19	38256050	38256050	+	8.25E-13	8.4607E-12	0.251494	hyper	sig	chr19_38256050
chr10	83563215	83563215	+	8.255E-13	8.4647E-12	-0.206	hypo	sig	chr10_83563215
chr12	1.32E+08	132407671	+	8.255E-13	8.4649E-12	-0.31127	hypo	sig	chr12_132407671
chr14	94773845	94773845	+	8.26E-13	8.4704E-12	0.279198	hyper	sig	chr14_94773845
chr2	63057401	63057401	+	8.261E-13	8.4711E-12	0.260097	hyper	sig	chr2_63057401
chr11	67425848	67425848	+	8.262E-13	8.472E-12	-0.20576	hypo	sig	chr11_67425848
chr11	1.17E+08	117181424	+	8.269E-13	8.4785E-12	0.225	hyper	sig	chr11_117181424
chr14	75470086	75470086	+	8.27E-13	8.4794E-12	0.237672	hyper	sig	chr14_75470086
chr20	63481750	63481750	+	8.274E-13	8.4838E-12	-0.27785	hypo	sig	chr20_63481750
chr19	2162798	2162798	+	8.277E-13	8.4867E-12	-0.25558	hypo	sig	chr19_2162798
chr16	89154226	89154226	+	8.287E-13	8.4971E-12	-0.23521	hypo	sig	chr16_89154226
chr10	1.32E+08	131812444	+	8.289E-13	8.4986E-12	-0.22165	hypo	sig	chr10_131812444
chr1	6105416	6105416	+	8.291E-13	8.5002E-12	-0.24299	hypo	sig	chr1_6105416
chr10	49120947	49120947	+	8.291E-13	8.5005E-12	-0.20443	hypo	sig	chr10_49120947
chr2	2.2E+08	219544732	+	8.294E-13	8.5036E-12	0.207857	hyper	sig	chr2_219544732
chr17	35498447	35498447	+	8.298E-13	8.5076E-12	0.278239	hyper	sig	chr17_35498447
chr11	6570889	6570889	+	8.301E-13	8.5098E-12	0.264801	hyper	sig	chr11_6570889
chr14	22883267	22883267	+	8.32E-13	8.5292E-12	0.314233	hyper	sig	chr14_22883267
chr9	1.34E+08	133674260	+	8.321E-13	8.5294E-12	-0.28116	hypo	sig	chr9_133674260
chr19	3179818	3179818	+	8.321E-13	8.5301E-12	-0.23058	hypo	sig	chr19_3179818
chr19	1016106	1016106	+	8.322E-13	8.5309E-12	0.256931	hyper	sig	chr19_1016106
chr11	90134625	90134625	+	8.327E-13	8.5358E-12	0.226885	hyper	sig	chr11_90134625
chr12	34309954	34309954	+	8.329E-13	8.5378E-12	-0.2479	hypo	sig	chr12_34309954
chr2	69618486	69618486	+	8.335E-13	8.5436E-12	0.200214	hyper	sig	chr2_69618486
chr11	66337522	66337522	+	8.35E-13	8.5585E-12	0.204366	hyper	sig	chr11_66337522
chr5	1.41E+08	140835665	+	8.35E-13	8.5586E-12	0.258099	hyper	sig	chr5_140835665
chr7	55449058	55449058	+	8.353E-13	8.5611E-12	0.219355	hyper	sig	chr7_55449058

chr8	1.42E+08	142463814	+	8.354E-13	8.562E-12	-0.21703	hypo	sig	chr8_142463814
chr1	47439817	47439817	+	8.36E-13	8.5682E-12	0.243783	hyper	sig	chr1_47439817
chr7	73993771	73993771	+	8.367E-13	8.5751E-12	-0.2648	hypo	sig	chr7_73993771
chr11	3233342	3233342	+	8.368E-13	8.576E-12	-0.32214	hypo	sig	chr11_3233342
chr5	1.75E+08	175444480	+	8.37E-13	8.578E-12	0.204488	hyper	sig	chr5_175444480
chr19	18216933	18216933	+	8.371E-13	8.5787E-12	-0.24886	hypo	sig	chr19_18216933
chr3	1.47E+08	147410883	+	8.371E-13	8.5787E-12	0.209617	hyper	sig	chr3_147410883
chr4	29047638	29047638	+	8.371E-13	8.5789E-12	-0.22999	hypo	sig	chr4_29047638
chr16	85615036	85615036	+	8.371E-13	8.579E-12	-0.41781	hypo	sig	chr16_85615036
chr16	31372276	31372276	+	8.374E-13	8.5812E-12	0.266413	hyper	sig	chr16_31372276
chr8	22691439	22691439	+	8.376E-13	8.583E-12	0.207979	hyper	sig	chr8_22691439
chr6	30451489	30451489	+	8.382E-13	8.5897E-12	0.294531	hyper	sig	chr6_30451489
chr10	1.01E+08	100737878	+	8.386E-13	8.5927E-12	0.22563	hyper	sig	chr10_100737878
chr7	38976072	38976072	+	8.386E-13	8.5927E-12	0.258073	hyper	sig	chr7_38976072
chr2	1.15E+08	114662632	+	8.388E-13	8.5945E-12	0.225972	hyper	sig	chr2_114662632
chr1	2923699	2923699	+	8.39E-13	8.5966E-12	-0.21457	hypo	sig	chr1_2923699
chr11	6571433	6571433	+	8.391E-13	8.5976E-12	0.21447	hyper	sig	chr11_6571433
chr20	31474922	31474922	+	8.392E-13	8.5989E-12	0.259622	hyper	sig	chr20_31474922
chr12	49026765	49026765	+	8.401E-13	8.6078E-12	-0.26856	hypo	sig	chr12_49026765
chr19	524565	524565	+	8.401E-13	8.6081E-12	-0.26816	hypo	sig	chr19_524565
chr7	1.57E+08	157002203	+	8.404E-13	8.6108E-12	0.279636	hyper	sig	chr7_157002203
chr7	1.22E+08	121873625	+	8.408E-13	8.6141E-12	0.24242	hyper	sig	chr7_121873625
chr21	18245787	18245787	+	8.413E-13	8.6197E-12	0.223469	hyper	sig	chr21_18245787
chr19	55452735	55452735	+	8.421E-13	8.6272E-12	0.349631	hyper	sig	chr19_55452735
chr12	54047459	54047459	+	8.426E-13	8.6315E-12	0.249043	hyper	sig	chr12_54047459
chr16	86572815	86572815	+	8.426E-13	8.6321E-12	0.260813	hyper	sig	chr16_86572815
chr15	28832241	28832241	+	8.429E-13	8.6351E-12	0.202707	hyper	sig	chr15_28832241
chr3	1.28E+08	128485967	+	8.431E-13	8.6368E-12	0.325873	hyper	sig	chr3_128485967
chr19	56393285	56393285	+	8.432E-13	8.6378E-12	0.213066	hyper	sig	chr19_56393285
chr16	1145567	1145567	+	8.434E-13	8.6396E-12	-0.20751	hypo	sig	chr16_1145567
chr2	2.27E+08	226796485	+	8.437E-13	8.6423E-12	0.208729	hyper	sig	chr2_226796485
chr3	1.95E+08	195446573	+	8.439E-13	8.6445E-12	-0.21667	hypo	sig	chr3_195446573
chr1	46544428	46544428	+	8.44E-13	8.6451E-12	0.283317	hyper	sig	chr1_46544428
chr11	1.19E+08	118895782	+	8.445E-13	8.65E-12	-0.23338	hypo	sig	chr11_118895782
chr17	4900784	4900784	+	8.449E-13	8.6539E-12	0.271037	hyper	sig	chr17_4900784
chr12	24902779	24902779	+	8.451E-13	8.6561E-12	0.267577	hyper	sig	chr12_24902779
chr2	1.05E+08	105144495	+	8.458E-13	8.6632E-12	0.257219	hyper	sig	chr2_105144495
chr13	78607409	78607409	+	8.459E-13	8.6633E-12	0.307904	hyper	sig	chr13_78607409
chr17	81453253	81453253	+	8.459E-13	8.6633E-12	-0.20733	hypo	sig	chr17_81453253
chr1	18637464	18637464	+	8.467E-13	8.6716E-12	0.212921	hyper	sig	chr1_18637464
chr9	1.31E+08	131264467	+	8.467E-13	8.6721E-12	-0.28653	hypo	sig	chr9_131264467
chr11	6319216	6319216	+	8.468E-13	8.6724E-12	0.215614	hyper	sig	chr11_6319216
chr16	2034122	2034122	+	8.471E-13	8.6758E-12	0.293481	hyper	sig	chr16_2034122
chr12	1.08E+08	108210190	+	8.472E-13	8.6764E-12	-0.2573	hypo	sig	chr12_108210190
chr14	53952133	53952133	+	8.478E-13	8.6817E-12	0.252703	hyper	sig	chr14_53952133
chr17	7855543	7855543	+	8.482E-13	8.6864E-12	0.274768	hyper	sig	chr17_7855543
chr18	22173457	22173457	+	8.485E-13	8.6893E-12	-0.23653	hypo	sig	chr18_22173457
chr22	23573342	23573342	+	8.488E-13	8.6919E-12	-0.21359	hypo	sig	chr22_23573342
chr8	64571048	64571048	+	8.494E-13	8.6979E-12	-0.23657	hypo	sig	chr8_64571048
chr1	50425606	50425606	+	8.502E-13	8.7063E-12	0.25175	hyper	sig	chr1_50425606
chr14	1.06E+08	105528914	+	8.513E-13	8.7167E-12	0.21299	hyper	sig	chr14_105528914
chr7	32299389	32299389	+	8.513E-13	8.717E-12	0.221788	hyper	sig	chr7_32299389
chr4	7287755	7287755	+	8.529E-13	8.7333E-12	-0.25687	hypo	sig	chr4_7287755
chr16	85812210	85812210	+	8.544E-13	8.7483E-12	0.207917	hyper	sig	chr16_85812210
chr19	10287566	10287566	+	8.549E-13	8.7538E-12	0.211702	hyper	sig	chr19_10287566
chr15	74132751	74132751	+	8.557E-13	8.7612E-12	0.261469	hyper	sig	chr15_74132751

chr3	535996	535996	+	8.557E-13	8.7613E-12	0.223287	hyper	sig	chr3_535996
chr5	1.81E+08	180629285	+	8.567E-13	8.771E-12	-0.25153	hypo	sig	chr5_180629285
chr11	1453547	1453547	+	8.575E-13	8.7792E-12	0.212639	hyper	sig	chr11_1453547
chr21	31877726	31877726	+	8.575E-13	8.7792E-12	-0.23105	hypo	sig	chr21_31877726
chr12	1.24E+08	124480746	+	8.583E-13	8.7875E-12	0.231573	hyper	sig	chr12_124480746
chr17	48564631	48564631	+	8.593E-13	8.7976E-12	0.26617	hyper	sig	chr17_48564631
chr4	8172421	8172421	+	8.607E-13	8.811E-12	-0.28899	hypo	sig	chr4_8172421
chr19	40513028	40513028	+	8.609E-13	8.8132E-12	0.24229	hyper	sig	chr19_40513028
chr7	15687196	15687196	+	8.621E-13	8.8249E-12	0.205499	hyper	sig	chr7_15687196
chr4	1.6E+08	160481821	+	8.622E-13	8.8265E-12	-0.26048	hypo	sig	chr4_160481821
chr19	6022599	6022599	+	8.632E-13	8.8365E-12	-0.28522	hypo	sig	chr19_6022599
chr11	3232742	3232742	+	8.634E-13	8.8376E-12	0.215329	hyper	sig	chr11_3232742
chr5	1.41E+08	141236020	+	8.634E-13	8.8378E-12	0.272756	hyper	sig	chr5_141236020
chr8	1.44E+08	144429395	+	8.639E-13	8.8428E-12	-0.23317	hypo	sig	chr8_144429395
chr5	1.41E+08	141332867	+	8.645E-13	8.849E-12	0.204611	hyper	sig	chr5_141332867
chr15	79090763	79090763	+	8.657E-13	8.8612E-12	0.305796	hyper	sig	chr15_79090763
chr12	1.1E+08	109547525	+	8.659E-13	8.8631E-12	-0.22177	hypo	sig	chr12_109547525
chr19	58204339	58204339	+	8.659E-13	8.8631E-12	0.285709	hyper	sig	chr19_58204339
chr8	1.4E+08	140099021	+	8.659E-13	8.8631E-12	0.242809	hyper	sig	chr8_140099021
chr2	96500814	96500814	+	8.665E-13	8.8681E-12	0.344087	hyper	sig	chr2_96500814
chr8	57202545	57202545	+	8.67E-13	8.8729E-12	-0.25229	hypo	sig	chr8_57202545
chr1	57423345	57423345	+	8.672E-13	8.8749E-12	0.228157	hyper	sig	chr1_57423345
chr4	1.74E+08	173528767	+	8.672E-13	8.8749E-12	0.343043	hyper	sig	chr4_173528767
chr15	93037082	93037082	+	8.673E-13	8.8759E-12	-0.21032	hypo	sig	chr15_93037082
chr12	57546040	57546040	+	8.68E-13	8.8829E-12	-0.20269	hypo	sig	chr12_57546040
chr16	1992692	1992692	+	8.681E-13	8.8837E-12	0.278099	hyper	sig	chr16_1992692
chr19	18096425	18096425	+	8.686E-13	8.8888E-12	-0.217	hypo	sig	chr19_18096425
chr2	315535	315535	+	8.689E-13	8.892E-12	-0.27223	hypo	sig	chr2_315535
chr11	8030989	8030989	+	8.69E-13	8.8925E-12	-0.27574	hypo	sig	chr11_8030989
chr8	41725835	41725835	+	8.692E-13	8.8944E-12	0.300253	hyper	sig	chr8_41725835
chr7	1.56E+08	155806400	+	8.692E-13	8.8951E-12	0.271037	hyper	sig	chr7_155806400
chr19	6670399	6670399	+	8.693E-13	8.8954E-12	-0.2378	hypo	sig	chr19_6670399
chr15	24101921	24101921	+	8.693E-13	8.8957E-12	0.242024	hyper	sig	chr15_24101921
chr6	7427011	7427011	+	8.694E-13	8.8966E-12	0.264149	hyper	sig	chr6_7427011
chr12	1.32E+08	131618464	+	8.694E-13	8.8966E-12	0.216358	hyper	sig	chr12_131618464
chr17	81978596	81978596	+	8.697E-13	8.8987E-12	-0.30068	hypo	sig	chr17_81978596
chr11	95037851	95037851	+	8.704E-13	8.9061E-12	0.267041	hyper	sig	chr11_95037851
chr10	1.22E+08	122163984	+	8.706E-13	8.9072E-12	0.226707	hyper	sig	chr10_122163984
chr1	2.05E+08	205031777	+	8.706E-13	8.9076E-12	-0.24949	hypo	sig	chr1_205031777
chr10	99521487	99521487	+	8.707E-13	8.9085E-12	-0.21736	hypo	sig	chr10_99521487
chr12	34332266	34332266	+	8.712E-13	8.9132E-12	-0.29653	hypo	sig	chr12_34332266
chr6	32185828	32185828	+	8.714E-13	8.915E-12	0.248401	hyper	sig	chr6_32185828
chr2	1.05E+08	105242677	+	8.715E-13	8.9161E-12	-0.21349	hypo	sig	chr2_105242677
chr16	12903815	12903815	+	8.729E-13	8.9307E-12	0.220453	hyper	sig	chr16_12903815
chr7	26388506	26388506	+	8.734E-13	8.9352E-12	-0.21747	hypo	sig	chr7_26388506
chr14	24172229	24172229	+	8.738E-13	8.9388E-12	0.262963	hyper	sig	chr14_24172229
chr2	66426917	66426917	+	8.74E-13	8.9408E-12	0.220013	hyper	sig	chr2_66426917
chr2	1.82E+08	181678137	+	8.74E-13	8.9408E-12	0.20714	hyper	sig	chr2_181678137
chr10	1.25E+08	125000098	+	8.741E-13	8.9415E-12	0.214381	hyper	sig	chr10_125000098
chr9	1.34E+08	133738594	+	8.745E-13	8.9453E-12	-0.20683	hypo	sig	chr9_133738594
chr16	87140952	87140952	+	8.749E-13	8.9502E-12	0.232348	hyper	sig	chr16_87140952
chr9	94332687	94332687	+	8.755E-13	8.9555E-12	0.234066	hyper	sig	chr9_94332687
chr3	1.97E+08	197004336	+	8.756E-13	8.9561E-12	-0.22974	hypo	sig	chr3_197004336
chr2	85759090	85759090	+	8.757E-13	8.9577E-12	-0.25105	hypo	sig	chr2_85759090
chr5	77638557	77638557	+	8.759E-13	8.9597E-12	0.292678	hyper	sig	chr5_77638557
chr7	27122198	27122198	+	8.761E-13	8.9614E-12	-0.22657	hypo	sig	chr7_27122198

chr19	14085770	14085770	+	8.77E-13	8.9699E-12	0.313964	hyper	sig	chr19_14085770
chr12	1.32E+08	131872466	+	8.783E-13	8.9824E-12	-0.22959	hypo	sig	chr12_131872466
chr3	1.47E+08	147410808	+	8.783E-13	8.9824E-12	0.307075	hyper	sig	chr3_147410808
chr9	1.37E+08	137199250	+	8.784E-13	8.9836E-12	-0.21949	hypo	sig	chr9_137199250
chr22	42644685	42644685	+	8.785E-13	8.9845E-12	0.208841	hyper	sig	chr22_42644685
chr9	1.36E+08	136364529	+	8.792E-13	8.9912E-12	0.311863	hyper	sig	chr9_136364529
chr17	5116569	5116569	+	8.793E-13	8.9918E-12	0.240563	hyper	sig	chr17_5116569
chr19	35309692	35309692	+	8.796E-13	8.9952E-12	0.24611	hyper	sig	chr19_35309692
chr10	1.28E+08	127735694	+	8.802E-13	9.0009E-12	0.25141	hyper	sig	chr10_127735694
chr6	6004090	6004090	+	8.807E-13	9.0052E-12	0.282856	hyper	sig	chr6_6004090
chr19	19528772	19528772	+	8.808E-13	9.0064E-12	0.314549	hyper	sig	chr19_19528772
chr1	10650069	10650069	+	8.812E-13	9.0109E-12	0.274091	hyper	sig	chr1_10650069
chr1	1.82E+08	182056660	+	8.817E-13	9.0148E-12	0.249797	hyper	sig	chr1_182056660
chr7	1.58E+08	157792532	+	8.82E-13	9.0178E-12	-0.22093	hypo	sig	chr7_157792532
chr16	3957884	3957884	+	8.821E-13	9.0195E-12	-0.3836	hypo	sig	chr16_3957884
chr7	1.38E+08	137846544	+	8.823E-13	9.021E-12	0.201479	hyper	sig	chr7_137846544
chr14	69850344	69850344	+	8.824E-13	9.0222E-12	-0.3244	hypo	sig	chr14_69850344
chr17	50220780	50220780	+	8.825E-13	9.0232E-12	-0.21133	hypo	sig	chr17_50220780
chr12	43551410	43551410	+	8.826E-13	9.0239E-12	0.37926	hyper	sig	chr12_43551410
chr7	1.52E+08	151782803	+	8.83E-13	9.0276E-12	0.21617	hyper	sig	chr7_151782803
chr2	1.92E+08	192194824	+	8.831E-13	9.0279E-12	0.238367	hyper	sig	chr2_192194824
chr7	2678779	2678779	+	8.84E-13	9.0365E-12	-0.30105	hypo	sig	chr7_2678779
chr2	1.3E+08	129587493	+	8.84E-13	9.037E-12	0.243698	hyper	sig	chr2_129587493
chr8	69129761	69129761	+	8.842E-13	9.0386E-12	-0.24366	hypo	sig	chr8_69129761
chr20	58839907	58839907	+	8.845E-13	9.0421E-12	0.283391	hyper	sig	chr20_58839907
chr7	8435837	8435837	+	8.847E-13	9.0436E-12	0.287603	hyper	sig	chr7_8435837
chr11	64972199	64972199	+	8.847E-13	9.0437E-12	0.280506	hyper	sig	chr11_64972199
chr6	33179882	33179882	+	8.861E-13	9.0576E-12	-0.20478	hypo	sig	chr6_33179882
chr16	85749969	85749969	+	8.868E-13	9.064E-12	0.221412	hyper	sig	chr16_85749969
chr1	3293223	3293223	+	8.87E-13	9.0662E-12	-0.27429	hypo	sig	chr1_3293223
chr19	6482238	6482238	+	8.874E-13	9.0701E-12	-0.24325	hypo	sig	chr19_6482238
chr13	1.13E+08	113417636	+	8.877E-13	9.073E-12	-0.21848	hypo	sig	chr13_113417636
chr11	1.19E+08	119423165	+	8.877E-13	9.0732E-12	0.201225	hyper	sig	chr11_119423165
chr14	23985234	23985234	+	8.879E-13	9.0747E-12	-0.23658	hypo	sig	chr14_23985234
chr4	7250596	7250596	+	8.884E-13	9.0798E-12	0.237375	hyper	sig	chr4_7250596
chr12	57632283	57632283	+	8.891E-13	9.0866E-12	0.231303	hyper	sig	chr12_57632283
chr16	56635727	56635727	+	8.899E-13	9.0947E-12	0.228156	hyper	sig	chr16_56635727
chr6	93417639	93417639	+	8.9E-13	9.0953E-12	0.299281	hyper	sig	chr6_93417639
chr8	1.44E+08	144107664	+	8.9E-13	9.0953E-12	0.225572	hyper	sig	chr8_144107664
chr3	13932958	13932958	+	8.901E-13	9.0968E-12	0.262151	hyper	sig	chr3_13932958
chr7	1.09E+08	108528277	+	8.904E-13	9.0994E-12	-0.21994	hypo	sig	chr7_108528277
chr8	28702919	28702919	+	8.907E-13	9.102E-12	0.26601	hyper	sig	chr8_28702919
chr8	1958403	1958403	+	8.914E-13	9.1092E-12	0.223741	hyper	sig	chr8_1958403
chr12	1.3E+08	130017883	+	8.921E-13	9.1163E-12	0.24127	hyper	sig	chr12_130017883
chr17	82321143	82321143	+	8.927E-13	9.1224E-12	-0.30532	hypo	sig	chr17_82321143
chr3	1.29E+08	128555273	+	8.93E-13	9.1249E-12	0.303815	hyper	sig	chr3_128555273
chr6	32255653	32255653	+	8.933E-13	9.128E-12	0.203229	hyper	sig	chr6_32255653
chr14	1.07E+08	106802637	+	8.935E-13	9.1303E-12	-0.29418	hypo	sig	chr14_106802637
chr16	49277970	49277970	+	8.951E-13	9.1457E-12	0.245699	hyper	sig	chr16_49277970
chr17	4771747	4771747	+	8.954E-13	9.1486E-12	-0.26406	hypo	sig	chr17_4771747
chr20	52973245	52973245	+	8.954E-13	9.1486E-12	0.337544	hyper	sig	chr20_52973245
chr10	1399527	1399527	+	8.958E-13	9.1526E-12	-0.26162	hypo	sig	chr10_1399527
chr11	30017484	30017484	+	8.96E-13	9.1549E-12	0.279981	hyper	sig	chr11_30017484
chr19	18650783	18650783	+	8.963E-13	9.157E-12	0.277232	hyper	sig	chr19_18650783
chr7	2412260	2412260	+	8.966E-13	9.16E-12	0.212495	hyper	sig	chr7_2412260
chr17	1203858	1203858	+	8.973E-13	9.1678E-12	0.217362	hyper	sig	chr17_1203858

chr19	58581344	58581344	+	8.977E-13	9.1713E-12	0.212967	hyper	sig	chr19_58581344
chr22	44172413	44172413	+	8.979E-13	9.1734E-12	-0.27708	hypo	sig	chr22_44172413
chr19	40513409	40513409	+	8.979E-13	9.1735E-12	0.31117	hyper	sig	chr19_40513409
chr6	31186249	31186249	+	8.981E-13	9.175E-12	-0.21956	hypo	sig	chr6_31186249
chr17	76700762	76700762	+	8.982E-13	9.1755E-12	0.248868	hyper	sig	chr17_76700762
chr16	29901578	29901578	+	8.985E-13	9.1787E-12	0.224277	hyper	sig	chr16_29901578
chr12	1.13E+08	113479720	+	8.989E-13	9.1823E-12	0.263266	hyper	sig	chr12_113479720
chr6	32062346	32062346	+	8.989E-13	9.1829E-12	-0.21088	hypo	sig	chr6_32062346
chr5	5302081	5302081	+	8.99E-13	9.1831E-12	-0.28538	hypo	sig	chr5_5302081
chr10	1.23E+08	122954732	+	8.992E-13	9.1853E-12	0.247696	hyper	sig	chr10_122954732
chr19	49050424	49050424	+	8.999E-13	9.1925E-12	-0.34733	hypo	sig	chr19_49050424
chr7	27122201	27122201	+	9.002E-13	9.1949E-12	-0.22532	hypo	sig	chr7_27122201
chr1	1.58E+08	158181667	+	9.003E-13	9.1959E-12	0.330732	hyper	sig	chr1_158181667
chr17	29016761	29016761	+	9.017E-13	9.2096E-12	-0.23421	hypo	sig	chr17_29016761
chr10	1.33E+08	133389366	+	9.019E-13	9.2115E-12	-0.20978	hypo	sig	chr10_133389366
chr10	1.01E+08	100826437	+	9.02E-13	9.2127E-12	0.234853	hyper	sig	chr10_100826437
chr13	35479062	35479062	+	9.038E-13	9.2304E-12	-0.27345	hypo	sig	chr13_35479062
chr6	16337762	16337762	+	9.04E-13	9.2322E-12	0.259614	hyper	sig	chr6_16337762
chr12	1.13E+08	113479897	+	9.041E-13	9.2337E-12	0.246694	hyper	sig	chr12_113479897
chr12	1.25E+08	124549330	+	9.059E-13	9.2516E-12	0.251415	hyper	sig	chr12_124549330
chr16	29318052	29318052	+	9.06E-13	9.252E-12	-0.22451	hypo	sig	chr16_29318052
chr5	1.41E+08	141189532	+	9.06E-13	9.2521E-12	0.221696	hyper	sig	chr5_141189532
chr16	87179166	87179166	+	9.06E-13	9.2521E-12	-0.23825	hypo	sig	chr16_87179166
chr22	46375225	46375225	+	9.08E-13	9.2718E-12	-0.26963	hypo	sig	chr22_46375225
chr12	51392828	51392828	+	9.085E-13	9.2766E-12	-0.25381	hypo	sig	chr12_51392828
chr14	88326979	88326979	+	9.086E-13	9.2777E-12	0.208788	hyper	sig	chr14_88326979
chr19	17377677	17377677	+	9.088E-13	9.2796E-12	-0.25458	hypo	sig	chr19_17377677
chr12	1.07E+08	106585652	+	9.098E-13	9.2893E-12	0.249933	hyper	sig	chr12_106585652
chr14	1.03E+08	102579963	+	9.098E-13	9.2893E-12	0.233714	hyper	sig	chr14_102579963
chr11	1.32E+08	131910510	+	9.1E-13	9.2912E-12	0.243556	hyper	sig	chr11_131910510
chr8	1.08E+08	108081900	+	9.1E-13	9.2912E-12	0.250991	hyper	sig	chr8_108081900
chr3	48273524	48273524	+	9.103E-13	9.2939E-12	-0.22396	hypo	sig	chr3_48273524
chr19	3369761	3369761	+	9.103E-13	9.294E-12	0.273315	hyper	sig	chr19_3369761
chr16	2284345	2284345	+	9.109E-13	9.2999E-12	-0.20246	hypo	sig	chr16_2284345
chr17	82051139	82051139	+	9.114E-13	9.3042E-12	0.280114	hyper	sig	chr17_82051139
chr19	1009851	1009851	+	9.117E-13	9.3081E-12	0.260922	hyper	sig	chr19_1009851
chr10	1.33E+08	132685335	+	9.118E-13	9.3088E-12	-0.2855	hypo	sig	chr10_132685335
chr22	50041864	50041864	+	9.124E-13	9.3141E-12	-0.26406	hypo	sig	chr22_50041864
chr19	30228530	30228530	+	9.127E-13	9.3174E-12	0.226834	hyper	sig	chr19_30228530
chr10	1.17E+08	117139392	+	9.134E-13	9.3242E-12	0.227104	hyper	sig	chr10_117139392
chr19	7928500	7928500	+	9.137E-13	9.3268E-12	0.23919	hyper	sig	chr19_7928500
chr17	7447061	7447061	+	9.138E-13	9.3285E-12	0.245605	hyper	sig	chr17_7447061
chr3	1.22E+08	122120759	+	9.139E-13	9.3289E-12	-0.21367	hypo	sig	chr3_122120759
chr5	1.78E+08	178078467	+	9.14E-13	9.3295E-12	-0.2499	hypo	sig	chr5_178078467
chr7	1940705	1940705	+	9.145E-13	9.3346E-12	-0.22976	hypo	sig	chr7_1940705
chr12	34603505	34603505	+	9.149E-13	9.3388E-12	-0.22256	hypo	sig	chr12_34603505
chr1	54781388	54781388	+	9.156E-13	9.3454E-12	0.29752	hyper	sig	chr1_54781388
chr19	37817499	37817499	+	9.159E-13	9.3489E-12	0.312857	hyper	sig	chr19_37817499
chr12	54047636	54047636	+	9.177E-13	9.3662E-12	0.304268	hyper	sig	chr12_54047636
chr1	1109980	1109980	+	9.18E-13	9.3692E-12	-0.2293	hypo	sig	chr1_1109980
chr9	19126296	19126296	+	9.183E-13	9.372E-12	-0.23278	hypo	sig	chr9_19126296
chr6	1.69E+08	169221509	+	9.19E-13	9.3786E-12	-0.26467	hypo	sig	chr6_169221509
chr6	20032382	20032382	+	9.192E-13	9.3803E-12	0.280702	hyper	sig	chr6_20032382
chr19	44904712	44904712	+	9.196E-13	9.385E-12	-0.22459	hypo	sig	chr19_44904712
chr11	66857602	66857602	+	9.206E-13	9.3947E-12	-0.30701	hypo	sig	chr11_66857602
chr5	1.23E+08	123285996	+	9.21E-13	9.3987E-12	0.273814	hyper	sig	chr5_123285996

chr16	54136333	54136333	+	9.213E-13	9.4017E-12	-0.24677	hypo	sig	chr16_54136333
chr16	1288293	1288293	+	9.225E-13	9.413E-12	-0.26865	hypo	sig	chr16_1288293
chr13	1.1E+08	110437073	+	9.228E-13	9.4164E-12	-0.26012	hypo	sig	chr13_110437073
chr16	1204427	1204427	+	9.234E-13	9.4223E-12	-0.27417	hypo	sig	chr16_1204427
chr11	99020720	99020720	+	9.244E-13	9.4317E-12	0.201031	hyper	sig	chr11_99020720
chr16	29664485	29664485	+	9.247E-13	9.4342E-12	-0.3028	hypo	sig	chr16_29664485
chr13	26760242	26760242	+	9.25E-13	9.4371E-12	0.206	hyper	sig	chr13_26760242
chr6	30451796	30451796	+	9.25E-13	9.4373E-12	0.247503	hyper	sig	chr6_30451796
chr3	28575173	28575173	+	9.256E-13	9.4438E-12	0.329	hyper	sig	chr3_28575173
chr9	1.12E+08	112175712	+	9.261E-13	9.4479E-12	0.229768	hyper	sig	chr9_112175712
chr2	23418679	23418679	+	9.264E-13	9.4516E-12	0.275266	hyper	sig	chr2_23418679
chr7	1811927	1811927	+	9.265E-13	9.4524E-12	-0.21646	hypo	sig	chr7_1811927
chr2	2.39E+08	239275262	+	9.266E-13	9.4532E-12	-0.21032	hypo	sig	chr2_239275262
chr7	55739604	55739604	+	9.273E-13	9.4596E-12	-0.28441	hypo	sig	chr7_55739604
chr2	99594124	99594124	+	9.275E-13	9.4619E-12	-0.26955	hypo	sig	chr2_99594124
chr12	52951007	52951007	+	9.279E-13	9.4655E-12	-0.20362	hypo	sig	chr12_52951007
chr12	57236529	57236529	+	9.281E-13	9.4674E-12	0.289992	hyper	sig	chr12_57236529
chr2	1.11E+08	110731892	+	9.284E-13	9.4712E-12	-0.22564	hypo	sig	chr2_110731892
chr8	83290558	83290558	+	9.287E-13	9.4735E-12	-0.22714	hypo	sig	chr8_83290558
chr9	1.37E+08	137460946	+	9.288E-13	9.4746E-12	-0.22122	hypo	sig	chr9_137460946
chr22	39655466	39655466	+	9.292E-13	9.4788E-12	-0.20872	hypo	sig	chr22_39655466
chr17	41315700	41315700	+	9.299E-13	9.4856E-12	0.228881	hyper	sig	chr17_41315700
chr1	46341441	46341441	+	9.303E-13	9.489E-12	0.243941	hyper	sig	chr1_46341441
chr4	11427202	11427202	+	9.328E-13	9.5146E-12	0.206786	hyper	sig	chr4_11427202
chr16	799007	799007	+	9.339E-13	9.5251E-12	-0.21919	hypo	sig	chr16_799007
chr12	2075684	2075684	+	9.344E-13	9.5303E-12	0.208809	hyper	sig	chr12_2075684
chr11	1.3E+08	130189827	+	9.345E-13	9.5308E-12	-0.2376	hypo	sig	chr11_130189827
chr17	5116440	5116440	+	9.354E-13	9.5401E-12	0.28638	hyper	sig	chr17_5116440
chr10	23171684	23171684	+	9.356E-13	9.5416E-12	0.25374	hyper	sig	chr10_23171684
chr6	1.37E+08	137045185	+	9.358E-13	9.5431E-12	-0.21714	hypo	sig	chr6_137045185
chr9	4663138	4663138	+	9.358E-13	9.5433E-12	-0.22521	hypo	sig	chr9_4663138
chr1	38570292	38570292	+	9.362E-13	9.5475E-12	-0.25041	hypo	sig	chr1_38570292
chr16	370043	370043	+	9.362E-13	9.5476E-12	0.231538	hyper	sig	chr16_370043
chr3	1.29E+08	128557213	+	9.368E-13	9.553E-12	-0.23658	hypo	sig	chr3_128557213
chr7	32318789	32318789	+	9.369E-13	9.5539E-12	0.291517	hyper	sig	chr7_32318789
chr7	1242480	1242480	+	9.371E-13	9.5557E-12	0.270629	hyper	sig	chr7_1242480
chr13	1.1E+08	109869950	+	9.377E-13	9.5621E-12	0.219007	hyper	sig	chr13_109869950
chr22	44934813	44934813	+	9.386E-13	9.5704E-12	-0.31224	hypo	sig	chr22_44934813
chr10	1.01E+08	101146044	+	9.388E-13	9.5724E-12	0.279786	hyper	sig	chr10_101146044
chr11	44311642	44311642	+	9.395E-13	9.5791E-12	0.21355	hyper	sig	chr11_44311642
chr12	34394686	34394686	+	9.397E-13	9.5816E-12	-0.22449	hypo	sig	chr12_34394686
chr19	49133013	49133013	+	9.399E-13	9.5837E-12	0.250403	hyper	sig	chr19_49133013
chr10	1.18E+08	117536399	+	9.401E-13	9.5857E-12	0.224138	hyper	sig	chr10_117536399
chr1	38570310	38570310	+	9.411E-13	9.5955E-12	-0.24031	hypo	sig	chr1_38570310
chr10	1.01E+08	101140366	+	9.411E-13	9.5955E-12	0.20687	hyper	sig	chr10_101140366
chr19	33622457	33622457	+	9.412E-13	9.5962E-12	0.316439	hyper	sig	chr19_33622457
chr3	1.47E+08	147392442	+	9.413E-13	9.597E-12	0.238605	hyper	sig	chr3_147392442
chr14	1.05E+08	105376748	+	9.417E-13	9.6003E-12	0.2125	hyper	sig	chr14_105376748
chr10	1.01E+08	101228449	+	9.418E-13	9.6018E-12	0.246748	hyper	sig	chr10_101228449
chr7	1.57E+08	157078504	+	9.42E-13	9.6033E-12	0.230855	hyper	sig	chr7_157078504
chr7	8443196	8443196	+	9.424E-13	9.6076E-12	0.324315	hyper	sig	chr7_8443196
chr20	56347771	56347771	+	9.428E-13	9.6107E-12	0.228415	hyper	sig	chr20_56347771
chr19	19668177	19668177	+	9.43E-13	9.613E-12	-0.2476	hypo	sig	chr19_19668177
chr16	3161515	3161515	+	9.434E-13	9.6173E-12	-0.22594	hypo	sig	chr16_3161515
chr3	13568443	13568443	+	9.435E-13	9.618E-12	-0.23711	hypo	sig	chr3_13568443
chr22	49721675	49721675	+	9.44E-13	9.6233E-12	-0.24947	hypo	sig	chr22_49721675

chr9	1.32E+08	131578895	+	9.456E-13	9.6387E-12	-0.25372	hypo	sig	chr9_131578895
chr16	29184706	29184706	+	9.463E-13	9.6454E-12	-0.23444	hypo	sig	chr16_29184706
chr7	1.28E+08	128033009	+	9.469E-13	9.6521E-12	0.228366	hyper	sig	chr7_128033009
chr4	1.72E+08	171813294	+	9.472E-13	9.655E-12	0.244171	hyper	sig	chr4_171813294
chr19	3962217	3962217	+	9.477E-13	9.6591E-12	0.264193	hyper	sig	chr19_3962217
chr9	1.37E+08	136748442	+	9.479E-13	9.6613E-12	-0.21713	hypo	sig	chr9_136748442
chr8	21041743	21041743	+	9.482E-13	9.6647E-12	-0.20763	hypo	sig	chr8_21041743
chr16	12903373	12903373	+	9.485E-13	9.6671E-12	0.238507	hyper	sig	chr16_12903373
chr11	57467873	57467873	+	9.487E-13	9.6697E-12	0.259409	hyper	sig	chr11_57467873
chr12	29783120	29783120	+	9.49E-13	9.6717E-12	0.296063	hyper	sig	chr12_29783120
chr17	81400580	81400580	+	9.492E-13	9.6734E-12	0.247772	hyper	sig	chr17_81400580
chr18	8366942	8366942	+	9.492E-13	9.6742E-12	-0.21805	hypo	sig	chr18_8366942
chr19	48551705	48551705	+	9.495E-13	9.6771E-12	-0.21607	hypo	sig	chr19_48551705
chr20	35174754	35174754	+	9.5E-13	9.6816E-12	-0.23772	hypo	sig	chr20_35174754
chr5	1.26E+08	126465066	+	9.504E-13	9.685E-12	-0.26432	hypo	sig	chr5_126465066
chr1	2.37E+08	236687010	+	9.506E-13	9.687E-12	0.226912	hyper	sig	chr1_236687010
chr1	2.45E+08	245301570	+	9.507E-13	9.6876E-12	0.236715	hyper	sig	chr1_245301570
chr2	23563770	23563770	+	9.512E-13	9.6929E-12	0.241663	hyper	sig	chr2_23563770
chr16	89861158	89861158	+	9.512E-13	9.6934E-12	0.263814	hyper	sig	chr16_89861158
chr8	22589629	22589629	+	9.513E-13	9.6938E-12	0.269744	hyper	sig	chr8_22589629
chr19	55377841	55377841	+	9.515E-13	9.6959E-12	0.25134	hyper	sig	chr19_55377841
chr8	96157760	96157760	+	9.515E-13	9.696E-12	0.214843	hyper	sig	chr8_96157760
chr11	1927726	1927726	+	9.519E-13	9.6994E-12	-0.25748	hypo	sig	chr11_1927726
chr5	44389243	44389243	+	9.52E-13	9.7005E-12	0.2484	hyper	sig	chr5_44389243
chr7	90321008	90321008	+	9.521E-13	9.7011E-12	0.202137	hyper	sig	chr7_90321008
chr19	50728436	50728436	+	9.522E-13	9.7024E-12	0.254762	hyper	sig	chr19_50728436
chr4	624464	624464	+	9.522E-13	9.7024E-12	-0.20429	hypo	sig	chr4_624464
chr19	1526585	1526585	+	9.528E-13	9.7083E-12	-0.24333	hypo	sig	chr19_1526585
chr19	8593005	8593005	+	9.533E-13	9.7129E-12	0.326388	hyper	sig	chr19_8593005
chr2	2.22E+08	222300248	+	9.535E-13	9.7148E-12	0.217461	hyper	sig	chr2_222300248
chr5	72108142	72108142	+	9.539E-13	9.7189E-12	0.227814	hyper	sig	chr5_72108142
chr2	2185392	2185392	+	9.544E-13	9.7234E-12	-0.2595	hypo	sig	chr2_2185392
chr5	392824	392824	+	9.544E-13	9.7234E-12	-0.23231	hypo	sig	chr5_392824
chr16	54288409	54288409	+	9.545E-13	9.7245E-12	0.293174	hyper	sig	chr16_54288409
chr19	58118714	58118714	+	9.551E-13	9.7304E-12	0.278679	hyper	sig	chr19_58118714
chr2	98347713	98347713	+	9.553E-13	9.7315E-12	0.273718	hyper	sig	chr2_98347713
chr1	6276584	6276584	+	9.554E-13	9.7322E-12	0.258884	hyper	sig	chr1_6276584
chr19	58204284	58204284	+	9.554E-13	9.7322E-12	0.255495	hyper	sig	chr19_58204284
chr1	44617139	44617139	+	9.554E-13	9.7324E-12	0.253154	hyper	sig	chr1_44617139
chr11	3232539	3232539	+	9.557E-13	9.7349E-12	0.204323	hyper	sig	chr11_3232539
chr14	36659504	36659504	+	9.557E-13	9.7349E-12	0.262865	hyper	sig	chr14_36659504
chr2	2.37E+08	237451612	+	9.561E-13	9.7397E-12	0.227289	hyper	sig	chr2_237451612
chr7	6485367	6485367	+	9.563E-13	9.7411E-12	-0.26924	hypo	sig	chr7_6485367
chr5	1.35E+08	135038817	+	9.566E-13	9.7436E-12	0.251929	hyper	sig	chr5_135038817
chr10	69567985	69567985	+	9.567E-13	9.7444E-12	0.222556	hyper	sig	chr10_69567985
chr2	5728826	5728826	+	9.57E-13	9.7475E-12	-0.28768	hypo	sig	chr2_5728826
chr17	1134972	1134972	+	9.58E-13	9.7578E-12	0.265516	hyper	sig	chr17_1134972
chr4	55157644	55157644	+	9.582E-13	9.7598E-12	0.242564	hyper	sig	chr4_55157644
chr7	73831763	73831763	+	9.584E-13	9.7616E-12	-0.22754	hypo	sig	chr7_73831763
chr3	49903486	49903486	+	9.593E-13	9.7707E-12	-0.22384	hypo	sig	chr3_49903486
chr10	625528	625528	+	9.594E-13	9.7716E-12	0.204446	hyper	sig	chr10_625528
chr16	86513179	86513179	+	9.595E-13	9.7717E-12	0.253526	hyper	sig	chr16_86513179
chr3	50523937	50523937	+	9.597E-13	9.7742E-12	-0.29533	hypo	sig	chr3_50523937
chr16	3029818	3029818	+	9.6E-13	9.7767E-12	0.231914	hyper	sig	chr16_3029818
chr3	49652428	49652428	+	9.601E-13	9.7779E-12	-0.21144	hypo	sig	chr3_49652428
chr7	25949880	25949880	+	9.604E-13	9.7809E-12	-0.20081	hypo	sig	chr7_25949880

chr7	794812	794812	+	9.609E-13	9.7852E-12	-0.22596	hypo	sig	chr7_794812
chr10	1402925	1402925	+	9.609E-13	9.7853E-12	-0.27904	hypo	sig	chr10_1402925
chr17	48550122	48550122	+	9.61E-13	9.7868E-12	0.26992	hyper	sig	chr17_48550122
chr14	37622401	37622401	+	9.618E-13	9.7945E-12	0.245649	hyper	sig	chr14_37622401
chr7	76279327	76279327	+	9.639E-13	9.8155E-12	-0.26292	hypo	sig	chr7_76279327
chr1	3227466	3227466	+	9.643E-13	9.8193E-12	0.227561	hyper	sig	chr1_3227466
chr1	3011939	3011939	+	9.644E-13	9.8206E-12	0.265188	hyper	sig	chr1_3011939
chr9	1.27E+08	126608255	+	9.645E-13	9.8215E-12	-0.2685	hypo	sig	chr9_126608255
chr1	2.21E+08	220884157	+	9.648E-13	9.8239E-12	0.298875	hyper	sig	chr1_220884157
chr16	73063101	73063101	+	9.649E-13	9.8249E-12	-0.21986	hypo	sig	chr16_73063101
chr4	3872157	3872157	+	9.651E-13	9.8267E-12	0.205943	hyper	sig	chr4_3872157
chr22	23573358	23573358	+	9.656E-13	9.8315E-12	-0.24249	hypo	sig	chr22_23573358
chr1	40132837	40132837	+	9.657E-13	9.8331E-12	0.293908	hyper	sig	chr1_40132837
chr8	64376718	64376718	+	9.668E-13	9.8435E-12	0.21977	hyper	sig	chr8_64376718
chr4	5052352	5052352	+	9.672E-13	9.8478E-12	0.251245	hyper	sig	chr4_5052352
chr4	1.22E+08	121767831	+	9.675E-13	9.8501E-12	-0.23315	hypo	sig	chr4_121767831
chr18	12090189	12090189	+	9.675E-13	9.8502E-12	-0.20505	hypo	sig	chr18_12090189
chr17	81453391	81453391	+	9.676E-13	9.8509E-12	-0.21008	hypo	sig	chr17_81453391
chr7	610591	610591	+	9.676E-13	9.8509E-12	0.249014	hyper	sig	chr7_610591
chr22	18607961	18607961	+	9.68E-13	9.8549E-12	-0.23272	hypo	sig	chr22_18607961
chr6	37576741	37576741	+	9.688E-13	9.8629E-12	-0.22808	hypo	sig	chr6_37576741
chr6	1.29E+08	128930160	+	9.689E-13	9.8638E-12	0.271389	hyper	sig	chr6_128930160
chr17	50189232	50189232	+	9.694E-13	9.8685E-12	-0.24444	hypo	sig	chr17_50189232
chr15	1.01E+08	100544289	+	9.697E-13	9.871E-12	0.261895	hyper	sig	chr15_100544289
chr2	1.19E+08	118834128	+	9.7E-13	9.8741E-12	0.316938	hyper	sig	chr2_118834128
chr7	73831450	73831450	+	9.7E-13	9.8748E-12	-0.2092	hypo	sig	chr7_73831450
chr19	10143815	10143815	+	9.702E-13	9.8761E-12	-0.25584	hypo	sig	chr19_10143815
chr3	75671725	75671725	+	9.704E-13	9.8782E-12	0.236746	hyper	sig	chr3_75671725
chr5	1.81E+08	181059625	+	9.718E-13	9.8926E-12	0.209643	hyper	sig	chr5_181059625
chr20	24665980	24665980	+	9.72E-13	9.8943E-12	-0.2819	hypo	sig	chr20_24665980
chr12	85273591	85273591	+	9.72E-13	9.8945E-12	0.24312	hyper	sig	chr12_85273591
chr10	1.14E+08	114283836	+	9.725E-13	9.8992E-12	-0.21755	hypo	sig	chr10_114283836
chr17	39593613	39593613	+	9.726E-13	9.8996E-12	-0.27155	hypo	sig	chr17_39593613
chr13	57631831	57631831	+	9.729E-13	9.9026E-12	0.388075	hyper	sig	chr13_57631831
chr6	30882804	30882804	+	9.73E-13	9.9039E-12	-0.21085	hypo	sig	chr6_30882804
chr16	1257697	1257697	+	9.731E-13	9.9044E-12	-0.22024	hypo	sig	chr16_1257697
chr11	1.25E+08	124611297	+	9.738E-13	9.9109E-12	-0.20313	hypo	sig	chr11_124611297
chr12	3593209	3593209	+	9.738E-13	9.9109E-12	-0.2418	hypo	sig	chr12_3593209
chr3	1.96E+08	195863123	+	9.756E-13	9.9289E-12	0.2094	hyper	sig	chr3_195863123
chr1	50416804	50416804	+	9.758E-13	9.9303E-12	0.209914	hyper	sig	chr1_50416804
chr15	84600045	84600045	+	9.759E-13	9.9313E-12	-0.26617	hypo	sig	chr15_84600045
chr12	1.27E+08	127060562	+	9.767E-13	9.9394E-12	-0.30681	hypo	sig	chr12_127060562
chr10	1.25E+08	125138479	+	9.772E-13	9.9439E-12	-0.21303	hypo	sig	chr10_125138479
chr2	1.19E+08	118842421	+	9.775E-13	9.9471E-12	0.299183	hyper	sig	chr2_118842421
chr1	48759206	48759206	+	9.775E-13	9.9471E-12	-0.20043	hypo	sig	chr1_48759206
chr10	1.04E+08	103661106	+	9.775E-13	9.9472E-12	0.26173	hyper	sig	chr10_103661106
chr3	1.7E+08	169666731	+	9.778E-13	9.9499E-12	0.243484	hyper	sig	chr3_169666731
chr3	62367791	62367791	+	9.782E-13	9.9533E-12	0.228877	hyper	sig	chr3_62367791
chr5	3177709	3177709	+	9.784E-13	9.9551E-12	-0.20992	hypo	sig	chr5_3177709
chr12	49544264	49544264	+	9.785E-13	9.9567E-12	0.282628	hyper	sig	chr12_49544264
chr19	58033771	58033771	+	9.791E-13	9.9622E-12	0.26147	hyper	sig	chr19_58033771
chr13	45371322	45371322	+	9.792E-13	9.9628E-12	0.272121	hyper	sig	chr13_45371322
chr15	52783464	52783464	+	9.793E-13	9.9636E-12	0.257499	hyper	sig	chr15_52783464
chr3	1.54E+08	154428559	+	9.794E-13	9.9648E-12	0.276644	hyper	sig	chr3_154428559
chr7	38311363	38311363	+	9.795E-13	9.9658E-12	0.232912	hyper	sig	chr7_38311363
chr13	94707761	94707761	+	9.797E-13	9.9678E-12	0.269895	hyper	sig	chr13_94707761

chr3	1.09E+08	109118773	+	9.797E-13	9.968E-12	-0.20585	hypo	sig	chr3_109118773
chr15	82646239	82646239	+	9.801E-13	9.9715E-12	0.272083	hyper	sig	chr15_82646239
chr4	5863927	5863927	+	9.807E-13	9.9773E-12	-0.21972	hypo	sig	chr4_5863927
chr7	63068204	63068204	+	9.808E-13	9.9782E-12	0.257491	hyper	sig	chr7_63068204
chr14	71932874	71932874	+	9.813E-13	9.9827E-12	0.231527	hyper	sig	chr14_71932874
chr2	1.63E+08	163348332	+	9.814E-13	9.9842E-12	0.254892	hyper	sig	chr2_163348332
chr19	45398328	45398328	+	9.819E-13	9.9895E-12	0.2306	hyper	sig	chr19_45398328
chr17	42785334	42785334	+	9.82E-13	9.9901E-12	0.269454	hyper	sig	chr17_42785334
chr9	1.11E+08	110579741	+	9.825E-13	9.9949E-12	0.219506	hyper	sig	chr9_110579741
chr5	6583664	6583664	+	9.826E-13	9.9955E-12	0.216456	hyper	sig	chr5_6583664
chr21	45393422	45393422	+	9.828E-13	9.9972E-12	-0.24224	hypo	sig	chr21_45393422
chr16	71426295	71426295	+	9.831E-13	1.0001E-11	0.274504	hyper	sig	chr16_71426295
chr12	1.14E+08	114400781	+	9.832E-13	1.0001E-11	0.251704	hyper	sig	chr12_114400781
chr12	53973125	53973125	+	9.837E-13	1.0007E-11	0.241221	hyper	sig	chr12_53973125
chr21	33025952	33025952	+	9.841E-13	1.001E-11	0.234022	hyper	sig	chr21_33025952
chr4	42151064	42151064	+	9.842E-13	1.0011E-11	0.309516	hyper	sig	chr4_42151064
chr10	14602085	14602085	+	9.853E-13	1.0022E-11	-0.26451	hypo	sig	chr10_14602085
chr11	8268094	8268094	+	9.871E-13	1.004E-11	0.21684	hyper	sig	chr11_8268094
chr1	3111975	3111975	+	9.875E-13	1.0044E-11	0.286445	hyper	sig	chr1_3111975
chr19	10412687	10412687	+	9.878E-13	1.0047E-11	-0.28023	hypo	sig	chr19_10412687
chr19	17980436	17980436	+	9.884E-13	1.0052E-11	-0.23895	hypo	sig	chr19_17980436
chr12	81759509	81759509	+	9.887E-13	1.0055E-11	0.205487	hyper	sig	chr12_81759509
chr11	1354077	1354077	+	9.891E-13	1.0059E-11	-0.23427	hypo	sig	chr11_1354077
chr8	74985143	74985143	+	9.9E-13	1.0068E-11	0.290613	hyper	sig	chr8_74985143
chr16	81441159	81441159	+	9.901E-13	1.0069E-11	-0.20986	hypo	sig	chr16_81441159
chr8	26039906	26039906	+	9.907E-13	1.0075E-11	0.250055	hyper	sig	chr8_26039906
chr3	9712138	9712138	+	9.908E-13	1.0075E-11	-0.23138	hypo	sig	chr3_9712138
chr2	2.01E+08	200586303	+	9.912E-13	1.008E-11	0.281513	hyper	sig	chr2_200586303
chr8	56113744	56113744	+	9.914E-13	1.0081E-11	0.257434	hyper	sig	chr8_56113744
chr19	19261053	19261053	+	9.916E-13	1.0084E-11	0.278991	hyper	sig	chr19_19261053
chr2	1.83E+08	182867358	+	9.92E-13	1.0087E-11	0.262396	hyper	sig	chr2_182867358
chr5	6583684	6583684	+	9.926E-13	1.0093E-11	0.231932	hyper	sig	chr5_6583684
chr15	66072881	66072881	+	9.927E-13	1.0094E-11	0.24157	hyper	sig	chr15_66072881
chr19	47780503	47780503	+	9.928E-13	1.0094E-11	0.240183	hyper	sig	chr19_47780503
chr19	52493245	52493245	+	9.934E-13	1.01E-11	0.312682	hyper	sig	chr19_52493245
chr22	21882175	21882175	+	9.939E-13	1.0106E-11	-0.29375	hypo	sig	chr22_21882175
chr13	36431948	36431948	+	9.943E-13	1.0109E-11	0.293287	hyper	sig	chr13_36431948
chr17	80941886	80941886	+	9.943E-13	1.0109E-11	0.228253	hyper	sig	chr17_80941886
chr22	36457996	36457996	+	9.944E-13	1.011E-11	0.23505	hyper	sig	chr22_36457996
chr3	14401944	14401944	+	9.945E-13	1.0111E-11	-0.20119	hypo	sig	chr3_14401944
chr4	1404811	1404811	+	9.945E-13	1.0111E-11	0.291975	hyper	sig	chr4_1404811
chr6	10881669	10881669	+	9.954E-13	1.012E-11	0.289899	hyper	sig	chr6_10881669
chr12	49674104	49674104	+	9.957E-13	1.0123E-11	0.243462	hyper	sig	chr12_49674104
chr9	62831138	62831138	+	9.964E-13	1.013E-11	0.203352	hyper	sig	chr9_62831138
chr13	1.14E+08	114089666	+	9.967E-13	1.0133E-11	-0.25584	hypo	sig	chr13_114089666
chr19	5838718	5838718	+	9.973E-13	1.0139E-11	-0.24629	hypo	sig	chr19_5838718
chr17	82003743	82003743	+	9.974E-13	1.014E-11	0.224887	hyper	sig	chr17_82003743
chr1	15703320	15703320	+	9.975E-13	1.0141E-11	0.208841	hyper	sig	chr1_15703320
chr19	44758514	44758514	+	9.977E-13	1.0142E-11	0.265576	hyper	sig	chr19_44758514
chr11	1434240	1434240	+	9.98E-13	1.0145E-11	-0.212	hypo	sig	chr11_1434240
chr9	1.24E+08	124485686	+	9.982E-13	1.0147E-11	-0.2245	hypo	sig	chr9_124485686
chr11	1.19E+08	118971682	+	9.983E-13	1.0148E-11	0.237934	hyper	sig	chr11_118971682
chr6	1400940	1400940	+	9.994E-13	1.0158E-11	-0.20521	hypo	sig	chr6_1400940
chr19	4559850	4559850	+	9.999E-13	1.0163E-11	-0.26355	hypo	sig	chr19_4559850
chr13	25096063	25096063	+	1E-12	1.0164E-11	0.262666	hyper	sig	chr13_25096063
chr12	56021535	56021535	+	1E-12	1.0165E-11	0.323968	hyper	sig	chr12_56021535

chr16	75248206	75248206	+	1E-12	1.0166E-11	0.208899	hyper	sig	chr16_75248206
chr1	2.21E+08	220878625	+	1E-12	1.0166E-11	0.208557	hyper	sig	chr1_220878625
chr6	32096555	32096555	+	1.001E-12	1.0169E-11	0.228413	hyper	sig	chr6_32096555
chr10	1.01E+08	101047220	+	1.001E-12	1.0171E-11	0.246914	hyper	sig	chr10_101047220
chr11	295728	295728	+	1.002E-12	1.0182E-11	0.28642	hyper	sig	chr11_295728
chr17	79138153	79138153	+	1.002E-12	1.0183E-11	0.236266	hyper	sig	chr17_79138153
chr11	69012416	69012416	+	1.002E-12	1.0185E-11	0.255675	hyper	sig	chr11_69012416
chr16	87915230	87915230	+	1.003E-12	1.0194E-11	-0.24894	hypo	sig	chr16_87915230
chr20	21520263	21520263	+	1.003E-12	1.0198E-11	0.265471	hyper	sig	chr20_21520263
chr10	1.32E+08	132330033	+	1.004E-12	1.0201E-11	-0.21686	hypo	sig	chr10_132330033
chr19	17499210	17499210	+	1.004E-12	1.0206E-11	-0.20831	hypo	sig	chr19_17499210
chr12	5430924	5430924	+	1.005E-12	1.021E-11	0.269989	hyper	sig	chr12_5430924
chr20	60055373	60055373	+	1.005E-12	1.0212E-11	-0.21415	hypo	sig	chr20_60055373
chr7	1.51E+08	150972991	+	1.006E-12	1.0218E-11	0.221674	hyper	sig	chr7_150972991
chr12	1.23E+08	122716550	+	1.006E-12	1.0219E-11	-0.28661	hypo	sig	chr12_122716550
chr7	15687584	15687584	+	1.006E-12	1.0222E-11	0.239194	hyper	sig	chr7_15687584
chr13	50843905	50843905	+	1.008E-12	1.0238E-11	0.262762	hyper	sig	chr13_50843905
chr1	1065476	1065476	+	1.008E-12	1.0238E-11	-0.21057	hypo	sig	chr1_1065476
chr5	1.41E+08	141350574	+	1.008E-12	1.0239E-11	0.228387	hyper	sig	chr5_141350574
chr11	1.27E+08	127003535	+	1.008E-12	1.0244E-11	0.207597	hyper	sig	chr11_127003535
chr13	1.11E+08	111410305	+	1.009E-12	1.025E-11	-0.29479	hypo	sig	chr13_111410305
chr9	1.36E+08	136155745	+	1.009E-12	1.0251E-11	-0.28138	hypo	sig	chr9_136155745
chr4	3446220	3446220	+	1.01E-12	1.0256E-11	-0.30272	hypo	sig	chr4_3446220
chr11	1.3E+08	130427678	+	1.01E-12	1.0259E-11	0.205707	hyper	sig	chr11_130427678
chr4	11427291	11427291	+	1.01E-12	1.0262E-11	0.277706	hyper	sig	chr4_11427291
chr3	1.26E+08	125988076	+	1.011E-12	1.0272E-11	-0.27592	hypo	sig	chr3_125988076
chr1	2.06E+08	205849989	+	1.012E-12	1.0278E-11	0.229582	hyper	sig	chr1_205849989
chr12	1919127	1919127	+	1.012E-12	1.0282E-11	-0.23018	hypo	sig	chr12_1919127
chr1	6282325	6282325	+	1.013E-12	1.0288E-11	-0.26467	hypo	sig	chr1_6282325
chr17	79731010	79731010	+	1.013E-12	1.0291E-11	-0.2214	hypo	sig	chr17_79731010
chr12	49625862	49625862	+	1.014E-12	1.0297E-11	0.231243	hyper	sig	chr12_49625862
chr4	1.47E+08	147481722	+	1.014E-12	1.0302E-11	0.240669	hyper	sig	chr4_147481722
chr20	21102159	21102159	+	1.015E-12	1.0308E-11	0.264681	hyper	sig	chr20_21102159
chr3	28576675	28576675	+	1.016E-12	1.0318E-11	0.271868	hyper	sig	chr3_28576675
chr7	526784	526784	+	1.016E-12	1.0321E-11	-0.26238	hypo	sig	chr7_526784
chr17	44210823	44210823	+	1.017E-12	1.0327E-11	0.21207	hyper	sig	chr17_44210823
chr1	2.01E+08	201476585	+	1.017E-12	1.033E-11	-0.24079	hypo	sig	chr1_201476585
chr14	58635054	58635054	+	1.017E-12	1.0332E-11	-0.21866	hypo	sig	chr14_58635054
chr1	3480533	3480533	+	1.018E-12	1.0343E-11	-0.2159	hypo	sig	chr1_3480533
chr15	99059657	99059657	+	1.019E-12	1.0347E-11	0.204731	hyper	sig	chr15_99059657
chr3	1.77E+08	177359368	+	1.019E-12	1.0348E-11	-0.25096	hypo	sig	chr3_177359368
chr5	73298629	73298629	+	1.019E-12	1.0349E-11	0.226884	hyper	sig	chr5_73298629
chr7	97927919	97927919	+	1.019E-12	1.0349E-11	0.254357	hyper	sig	chr7_97927919
chr2	1.31E+08	130964800	+	1.02E-12	1.0361E-11	0.234609	hyper	sig	chr2_130964800
chr6	1E+08	100467976	+	1.021E-12	1.0369E-11	0.280855	hyper	sig	chr6_100467976
chr15	24773032	24773032	+	1.021E-12	1.037E-11	0.247183	hyper	sig	chr15_24773032
chr7	98869403	98869403	+	1.021E-12	1.0373E-11	0.352231	hyper	sig	chr7_98869403
chr5	931249	931249	+	1.022E-12	1.0377E-11	-0.21966	hypo	sig	chr5_931249
chr5	1645308	1645308	+	1.022E-12	1.0379E-11	0.239394	hyper	sig	chr5_1645308
chr17	50468708	50468708	+	1.022E-12	1.038E-11	0.283237	hyper	sig	chr17_50468708
chr6	30007849	30007849	+	1.022E-12	1.038E-11	0.250098	hyper	sig	chr6_30007849
chr1	1.57E+08	156845482	+	1.023E-12	1.0384E-11	0.236765	hyper	sig	chr1_156845482
chr11	1.04E+08	104165183	+	1.023E-12	1.0384E-11	-0.23334	hypo	sig	chr11_104165183
chr19	49143050	49143050	+	1.023E-12	1.0385E-11	0.222841	hyper	sig	chr19_49143050
chr22	20085136	20085136	+	1.024E-12	1.0392E-11	0.202013	hyper	sig	chr22_20085136
chr22	50040102	50040102	+	1.024E-12	1.0394E-11	-0.24004	hypo	sig	chr22_50040102

chr14	60653874	60653874	+	1.024E-12	1.0397E-11	0.216165	hyper	sig	chr14_60653874
chr4	7965725	7965725	+	1.024E-12	1.0398E-11	-0.22951	hypo	sig	chr4_7965725
chr11	1.18E+08	117810249	+	1.024E-12	1.0399E-11	-0.21492	hypo	sig	chr11_117810249
chr12	49342035	49342035	+	1.024E-12	1.0399E-11	0.323333	hyper	sig	chr12_49342035
chr3	19946036	19946036	+	1.025E-12	1.0401E-11	-0.28409	hypo	sig	chr3_19946036
chr4	1.85E+08	184992745	+	1.025E-12	1.0401E-11	-0.25406	hypo	sig	chr4_184992745
chr6	1.7E+08	169801547	+	1.025E-12	1.0404E-11	-0.23947	hypo	sig	chr6_169801547
chr21	41762890	41762890	+	1.025E-12	1.041E-11	0.215186	hyper	sig	chr21_41762890
chr4	7735023	7735023	+	1.026E-12	1.0412E-11	-0.2612	hypo	sig	chr4_7735023
chr6	34002158	34002158	+	1.026E-12	1.0414E-11	0.240098	hyper	sig	chr6_34002158
chr12	1.22E+08	121775015	+	1.027E-12	1.0423E-11	0.238489	hyper	sig	chr12_121775015
chr6	98827450	98827450	+	1.027E-12	1.0429E-11	0.220121	hyper	sig	chr6_98827450
chr2	1E+08	100417861	+	1.027E-12	1.043E-11	0.231636	hyper	sig	chr2_100417861
chr11	20599154	20599154	+	1.028E-12	1.0432E-11	0.268402	hyper	sig	chr11_20599154
chr10	31757717	31757717	+	1.028E-12	1.0433E-11	0.219989	hyper	sig	chr10_31757717
chr6	2244607	2244607	+	1.028E-12	1.0433E-11	-0.2276	hypo	sig	chr6_2244607
chr1	16532681	16532681	+	1.028E-12	1.0433E-11	0.229198	hyper	sig	chr1_16532681
chr11	32427711	32427711	+	1.028E-12	1.0435E-11	0.233322	hyper	sig	chr11_32427711
chr8	1.45E+08	144730014	+	1.028E-12	1.0437E-11	0.21161	hyper	sig	chr8_144730014
chr6	1.37E+08	137045178	+	1.029E-12	1.0439E-11	-0.22074	hypo	sig	chr6_137045178
chr7	1.57E+08	157002682	+	1.029E-12	1.0445E-11	0.310938	hyper	sig	chr7_157002682
chr3	13932946	13932946	+	1.029E-12	1.0445E-11	0.26677	hyper	sig	chr3_13932946
chr13	1.12E+08	112457618	+	1.029E-12	1.0448E-11	-0.20555	hypo	sig	chr13_112457618
chr4	3446270	3446270	+	1.03E-12	1.0449E-11	-0.3535	hypo	sig	chr4_3446270
chr12	29783099	29783099	+	1.03E-12	1.045E-11	0.311791	hyper	sig	chr12_29783099
chr20	60087421	60087421	+	1.03E-12	1.0452E-11	0.252576	hyper	sig	chr20_60087421
chr19	2251901	2251901	+	1.03E-12	1.0452E-11	0.236666	hyper	sig	chr19_2251901
chr9	1.37E+08	137130468	+	1.03E-12	1.0452E-11	0.219677	hyper	sig	chr9_137130468
chr1	2.29E+08	229432619	+	1.03E-12	1.0453E-11	0.258713	hyper	sig	chr1_229432619
chr4	7704863	7704863	+	1.03E-12	1.0457E-11	-0.21054	hypo	sig	chr4_7704863
chr18	79430102	79430102	+	1.031E-12	1.0461E-11	-0.23379	hypo	sig	chr18_79430102
chr6	1.66E+08	166478162	+	1.031E-12	1.0467E-11	-0.2517	hypo	sig	chr6_166478162
chr10	84541109	84541109	+	1.032E-12	1.0469E-11	0.258617	hyper	sig	chr10_84541109
chr6	98843469	98843469	+	1.032E-12	1.0471E-11	0.237063	hyper	sig	chr6_98843469
chr1	81178848	81178848	+	1.032E-12	1.0473E-11	-0.23425	hypo	sig	chr1_81178848
chr5	1201524	1201524	+	1.032E-12	1.0475E-11	-0.20556	hypo	sig	chr5_1201524
chr22	20086173	20086173	+	1.033E-12	1.048E-11	0.221609	hyper	sig	chr22_20086173
chr1	2.25E+08	225484210	+	1.033E-12	1.0484E-11	0.205624	hyper	sig	chr1_225484210
chr10	1.33E+08	132851674	+	1.034E-12	1.0488E-11	-0.3015	hypo	sig	chr10_132851674
chr9	1.22E+08	121699316	+	1.034E-12	1.0488E-11	0.200345	hyper	sig	chr9_121699316
chr3	1.54E+08	154122895	+	1.034E-12	1.0488E-11	0.247576	hyper	sig	chr3_154122895
chr5	2755987	2755987	+	1.034E-12	1.0493E-11	0.221872	hyper	sig	chr5_2755987
chr4	81215685	81215685	+	1.035E-12	1.05E-11	0.204461	hyper	sig	chr4_81215685
chr8	1.04E+08	103501012	+	1.036E-12	1.0508E-11	0.240921	hyper	sig	chr8_103501012
chr12	1.17E+08	116880002	+	1.036E-12	1.051E-11	0.280825	hyper	sig	chr12_116880002
chr2	2.32E+08	232381735	+	1.037E-12	1.0518E-11	0.203247	hyper	sig	chr2_232381735
chr2	2.32E+08	232409856	+	1.037E-12	1.0519E-11	0.277244	hyper	sig	chr2_232409856
chr12	1.22E+08	122226656	+	1.038E-12	1.0535E-11	0.201595	hyper	sig	chr12_122226656
chr16	1280146	1280146	+	1.039E-12	1.0535E-11	-0.28235	hypo	sig	chr16_1280146
chr19	14562221	14562221	+	1.039E-12	1.0542E-11	-0.23419	hypo	sig	chr19_14562221
chr21	33026003	33026003	+	1.04E-12	1.0552E-11	0.240732	hyper	sig	chr21_33026003
chr17	2796467	2796467	+	1.041E-12	1.0559E-11	-0.26224	hypo	sig	chr17_2796467
chr19	40513023	40513023	+	1.041E-12	1.056E-11	0.255186	hyper	sig	chr19_40513023
chr17	39599853	39599853	+	1.042E-12	1.0573E-11	0.2017	hyper	sig	chr17_39599853
chr10	1.01E+08	101133043	+	1.043E-12	1.0577E-11	0.285838	hyper	sig	chr10_101133043
chr13	78607909	78607909	+	1.043E-12	1.0581E-11	0.232542	hyper	sig	chr13_78607909

chr1	6158024	6158024	+	1.043E-12	1.0584E-11	-0.25971	hypo	sig	chr1_6158024
chr22	37282831	37282831	+	1.044E-12	1.0586E-11	-0.24659	hypo	sig	chr22_37282831
chr7	56882561	56882561	+	1.044E-12	1.0586E-11	0.204335	hyper	sig	chr7_56882561
chr12	1.32E+08	132261029	+	1.045E-12	1.0593E-11	-0.26162	hypo	sig	chr12_132261029
chr4	41751291	41751291	+	1.045E-12	1.0599E-11	0.200356	hyper	sig	chr4_41751291
chr2	2.39E+08	239081428	+	1.045E-12	1.0599E-11	0.233534	hyper	sig	chr2_239081428
chr17	47852597	47852597	+	1.045E-12	1.0603E-11	0.216506	hyper	sig	chr17_47852597
chr5	1.51E+08	151155221	+	1.046E-12	1.0607E-11	0.211839	hyper	sig	chr5_151155221
chr19	11195237	11195237	+	1.046E-12	1.061E-11	0.320373	hyper	sig	chr19_11195237
chr14	60507117	60507117	+	1.046E-12	1.0612E-11	0.271414	hyper	sig	chr14_60507117
chr7	1.59E+08	158586382	+	1.046E-12	1.0612E-11	0.320639	hyper	sig	chr7_158586382
chr19	33623086	33623086	+	1.047E-12	1.0612E-11	0.221813	hyper	sig	chr19_33623086
chr6	1608161	1608161	+	1.047E-12	1.0612E-11	0.218154	hyper	sig	chr6_1608161
chr17	30222803	30222803	+	1.047E-12	1.0614E-11	-0.21208	hypo	sig	chr17_30222803
chr7	27114643	27114643	+	1.047E-12	1.0616E-11	0.205309	hyper	sig	chr7_27114643
chr5	1658881	1658881	+	1.048E-12	1.0623E-11	-0.3045	hypo	sig	chr5_1658881
chr17	82876157	82876157	+	1.048E-12	1.0627E-11	-0.23583	hypo	sig	chr17_82876157
chr11	1.14E+08	113532424	+	1.048E-12	1.0629E-11	-0.26311	hypo	sig	chr11_113532424
chr3	1.93E+08	193242590	+	1.049E-12	1.0635E-11	-0.21937	hypo	sig	chr3_193242590
chr6	10382621	10382621	+	1.05E-12	1.0642E-11	0.260136	hyper	sig	chr6_10382621
chr1	42957279	42957279	+	1.05E-12	1.0647E-11	-0.23026	hypo	sig	chr1_42957279
chr20	63037117	63037117	+	1.05E-12	1.0649E-11	-0.21752	hypo	sig	chr20_63037117
chr5	1.41E+08	141362463	+	1.05E-12	1.0649E-11	0.25232	hyper	sig	chr5_141362463
chr12	54047079	54047079	+	1.051E-12	1.0653E-11	0.274158	hyper	sig	chr12_54047079
chr13	40922646	40922646	+	1.051E-12	1.0659E-11	-0.23347	hypo	sig	chr13_40922646
chr21	26842593	26842593	+	1.052E-12	1.0663E-11	0.236056	hyper	sig	chr21_26842593
chr7	2721101	2721101	+	1.052E-12	1.0665E-11	-0.22389	hypo	sig	chr7_2721101
chr8	43246854	43246854	+	1.052E-12	1.0665E-11	0.27086	hyper	sig	chr8_43246854
chr5	1.41E+08	141423264	+	1.053E-12	1.0677E-11	0.238327	hyper	sig	chr5_141423264
chr19	52336390	52336390	+	1.054E-12	1.0687E-11	0.215632	hyper	sig	chr19_52336390
chr11	66863986	66863986	+	1.055E-12	1.069E-11	-0.21374	hypo	sig	chr11_66863986
chr1	54548366	54548366	+	1.055E-12	1.0691E-11	0.346687	hyper	sig	chr1_54548366
chr11	1.34E+08	133951294	+	1.055E-12	1.0694E-11	0.290075	hyper	sig	chr11_133951294
chr12	48528414	48528414	+	1.055E-12	1.0694E-11	-0.31959	hypo	sig	chr12_48528414
chr8	1.44E+08	143733051	+	1.055E-12	1.0694E-11	-0.28071	hypo	sig	chr8_143733051
chr19	48745882	48745882	+	1.055E-12	1.0695E-11	0.234202	hyper	sig	chr19_48745882
chr19	18932038	18932038	+	1.056E-12	1.0703E-11	-0.24543	hypo	sig	chr19_18932038
chr3	37992744	37992744	+	1.057E-12	1.0709E-11	-0.26013	hypo	sig	chr3_37992744
chr1	20552593	20552593	+	1.057E-12	1.0718E-11	0.200084	hyper	sig	chr1_20552593
chr3	1.95E+08	194587889	+	1.058E-12	1.0719E-11	0.22786	hyper	sig	chr3_194587889
chr2	2.22E+08	222302308	+	1.058E-12	1.0725E-11	0.228345	hyper	sig	chr2_222302308
chr16	86504500	86504500	+	1.058E-12	1.0726E-11	0.20986	hyper	sig	chr16_86504500
chr16	89248027	89248027	+	1.058E-12	1.0727E-11	0.261401	hyper	sig	chr16_89248027
chr7	1298696	1298696	+	1.059E-12	1.0731E-11	-0.25907	hypo	sig	chr7_1298696
chr5	524933	524933	+	1.06E-12	1.0738E-11	0.255832	hyper	sig	chr5_524933
chr16	1534105	1534105	+	1.06E-12	1.0745E-11	0.237712	hyper	sig	chr16_1534105
chr7	1.56E+08	156177485	+	1.06E-12	1.0745E-11	-0.21965	hypo	sig	chr7_156177485
chr2	2.08E+08	208112229	+	1.061E-12	1.0754E-11	0.337956	hyper	sig	chr2_208112229
chr11	1.18E+08	118077117	+	1.061E-12	1.0756E-11	-0.23668	hypo	sig	chr11_118077117
chr11	92981727	92981727	+	1.061E-12	1.0756E-11	-0.21322	hypo	sig	chr11_92981727
chr20	40690743	40690743	+	1.062E-12	1.0756E-11	0.292741	hyper	sig	chr20_40690743
chr17	304653	304653	+	1.062E-12	1.0759E-11	0.213868	hyper	sig	chr17_304653
chr5	1879375	1879375	+	1.062E-12	1.0759E-11	0.347737	hyper	sig	chr5_1879375
chr12	46831245	46831245	+	1.062E-12	1.076E-11	0.28443	hyper	sig	chr12_46831245
chr5	3311302	3311302	+	1.062E-12	1.0763E-11	-0.28605	hypo	sig	chr5_3311302
chr19	35352246	35352246	+	1.063E-12	1.0768E-11	-0.25053	hypo	sig	chr19_35352246

chr12	53966659	53966659	+	1.063E-12	1.0769E-11	0.2542	hyper	sig	chr12_53966659
chr19	1762387	1762387	+	1.063E-12	1.0771E-11	0.244595	hyper	sig	chr19_1762387
chr5	1.41E+08	141225667	+	1.064E-12	1.0778E-11	0.28335	hyper	sig	chr5_141225667
chr1	2.3E+08	229570480	+	1.064E-12	1.0779E-11	-0.26915	hypo	sig	chr1_229570480
chr19	40513032	40513032	+	1.064E-12	1.0779E-11	0.26079	hyper	sig	chr19_40513032
chr9	1.37E+08	136656767	+	1.065E-12	1.0793E-11	-0.22575	hypo	sig	chr9_136656767
chr4	1.11E+08	110612643	+	1.066E-12	1.0802E-11	0.253939	hyper	sig	chr4_110612643
chr3	49346621	49346621	+	1.066E-12	1.0804E-11	-0.23812	hypo	sig	chr3_49346621
chr5	7501901	7501901	+	1.067E-12	1.0808E-11	-0.21731	hypo	sig	chr5_7501901
chr2	2.32E+08	231680670	+	1.067E-12	1.0814E-11	-0.2432	hypo	sig	chr2_231680670
chr7	8435002	8435002	+	1.068E-12	1.0815E-11	0.282853	hyper	sig	chr7_8435002
chr11	70141233	70141233	+	1.068E-12	1.0819E-11	0.240924	hyper	sig	chr11_70141233
chr8	1640538	1640538	+	1.07E-12	1.0838E-11	-0.25145	hypo	sig	chr8_1640538
chr17	82334203	82334203	+	1.07E-12	1.0841E-11	0.248963	hyper	sig	chr17_82334203
chr16	12903741	12903741	+	1.071E-12	1.0844E-11	0.215844	hyper	sig	chr16_12903741
chr13	1.12E+08	111556717	+	1.071E-12	1.0847E-11	-0.22035	hypo	sig	chr13_111556717
chr7	1.58E+08	158142865	+	1.072E-12	1.0853E-11	-0.2597	hypo	sig	chr7_158142865
chr5	1.4E+08	139710367	+	1.072E-12	1.0857E-11	-0.30466	hypo	sig	chr5_139710367
chr5	1.41E+08	141408309	+	1.072E-12	1.0859E-11	0.247614	hyper	sig	chr5_141408309
chr11	1.26E+08	126356252	+	1.072E-12	1.0859E-11	0.20148	hyper	sig	chr11_126356252
chr6	37650138	37650138	+	1.073E-12	1.087E-11	0.205978	hyper	sig	chr6_37650138
chr7	1.58E+08	158253576	+	1.073E-12	1.0871E-11	-0.20278	hypo	sig	chr7_158253576
chr19	17688519	17688519	+	1.074E-12	1.0877E-11	0.206202	hyper	sig	chr19_17688519
chr5	73232415	73232415	+	1.075E-12	1.0884E-11	0.250951	hyper	sig	chr5_73232415
chr10	13652853	13652853	+	1.075E-12	1.0886E-11	0.268906	hyper	sig	chr10_13652853
chr21	42351488	42351488	+	1.075E-12	1.0886E-11	-0.26246	hypo	sig	chr21_42351488
chr1	1354874	1354874	+	1.076E-12	1.0894E-11	-0.27934	hypo	sig	chr1_1354874
chr16	29157498	29157498	+	1.076E-12	1.0894E-11	-0.29449	hypo	sig	chr16_29157498
chr2	2.13E+08	212536997	+	1.076E-12	1.0898E-11	0.316105	hyper	sig	chr2_212536997
chr17	42155758	42155758	+	1.077E-12	1.0902E-11	0.253014	hyper	sig	chr17_42155758
chr1	2.4E+08	240493380	+	1.077E-12	1.0908E-11	-0.20751	hypo	sig	chr1_240493380
chr2	1.21E+08	120868039	+	1.077E-12	1.0908E-11	0.227473	hyper	sig	chr2_120868039
chr12	7748034	7748034	+	1.078E-12	1.0912E-11	-0.23897	hypo	sig	chr12_7748034
chr6	10384837	10384837	+	1.078E-12	1.0919E-11	0.29922	hyper	sig	chr6_10384837
chr1	85582934	85582934	+	1.078E-12	1.092E-11	0.204287	hyper	sig	chr1_85582934
chr6	7591122	7591122	+	1.079E-12	1.0924E-11	-0.21801	hypo	sig	chr6_7591122
chr11	31802689	31802689	+	1.079E-12	1.0926E-11	0.333086	hyper	sig	chr11_31802689
chr7	1.55E+08	154891490	+	1.079E-12	1.0929E-11	-0.26477	hypo	sig	chr7_154891490
chr8	2011327	2011327	+	1.079E-12	1.0929E-11	-0.23131	hypo	sig	chr8_2011327
chr12	30201542	30201542	+	1.08E-12	1.0933E-11	0.26998	hyper	sig	chr12_30201542
chr11	75428499	75428499	+	1.08E-12	1.0934E-11	0.211435	hyper	sig	chr11_75428499
chr1	2.12E+08	211514648	+	1.08E-12	1.0937E-11	-0.20761	hypo	sig	chr1_211514648
chr1	2331037	2331037	+	1.08E-12	1.0938E-11	0.242062	hyper	sig	chr1_2331037
chr7	55449446	55449446	+	1.081E-12	1.094E-11	0.277105	hyper	sig	chr7_55449446
chr10	7412083	7412083	+	1.081E-12	1.0945E-11	0.291586	hyper	sig	chr10_7412083
chr10	1.08E+08	108466170	+	1.082E-12	1.0952E-11	0.212767	hyper	sig	chr10_108466170
chr16	833930	833930	+	1.082E-12	1.0954E-11	-0.29212	hypo	sig	chr16_833930
chr20	62470731	62470731	+	1.082E-12	1.0955E-11	-0.22801	hypo	sig	chr20_62470731
chr15	78629434	78629434	+	1.084E-12	1.0973E-11	-0.21753	hypo	sig	chr15_78629434
chr19	29529255	29529255	+	1.084E-12	1.0974E-11	0.206052	hyper	sig	chr19_29529255
chr18	57436910	57436910	+	1.085E-12	1.0979E-11	0.2002	hyper	sig	chr18_57436910
chr17	47852317	47852317	+	1.085E-12	1.0987E-11	0.211932	hyper	sig	chr17_47852317
chr1	1.47E+08	147073263	+	1.086E-12	1.099E-11	0.204263	hyper	sig	chr1_147073263
chr15	37095366	37095366	+	1.087E-12	1.1E-11	0.298331	hyper	sig	chr15_37095366
chr7	1218818	1218818	+	1.087E-12	1.1004E-11	-0.22202	hypo	sig	chr7_1218818
chr1	2.05E+08	205343589	+	1.088E-12	1.101E-11	0.251686	hyper	sig	chr1_205343589

chr16	89343813	89343813	+	1.088E-12	1.1013E-11	-0.23767	hypo	sig	chr16_89343813
chr3	1.82E+08	181723557	+	1.088E-12	1.1015E-11	0.29836	hyper	sig	chr3_181723557
chr20	56625473	56625473	+	1.089E-12	1.102E-11	0.319483	hyper	sig	chr20_56625473
chr11	70718266	70718266	+	1.089E-12	1.1022E-11	0.217015	hyper	sig	chr11_70718266
chr17	80178085	80178085	+	1.09E-12	1.1028E-11	-0.34582	hypo	sig	chr17_80178085
chr1	22572915	22572915	+	1.09E-12	1.1032E-11	-0.2862	hypo	sig	chr1_22572915
chr12	62191450	62191450	+	1.09E-12	1.1032E-11	0.273462	hyper	sig	chr12_62191450
chr4	1.47E+08	146633058	+	1.091E-12	1.1037E-11	0.307988	hyper	sig	chr4_146633058
chr1	2.25E+08	225473652	+	1.091E-12	1.1038E-11	0.286135	hyper	sig	chr1_225473652
chr6	1.57E+08	157146924	+	1.091E-12	1.1038E-11	-0.21069	hypo	sig	chr6_157146924
chr7	73373996	73373996	+	1.091E-12	1.1042E-11	-0.28977	hypo	sig	chr7_73373996
chr17	36884699	36884699	+	1.092E-12	1.1054E-11	0.282195	hyper	sig	chr17_36884699
chr11	75584056	75584056	+	1.093E-12	1.1058E-11	0.307122	hyper	sig	chr11_75584056
chr16	2967608	2967608	+	1.093E-12	1.106E-11	0.286598	hyper	sig	chr16_2967608
chr7	1.59E+08	158997416	+	1.094E-12	1.107E-11	0.224428	hyper	sig	chr7_158997416
chr4	1.84E+08	184009730	+	1.095E-12	1.1079E-11	-0.20115	hypo	sig	chr4_184009730
chr20	63364252	63364252	+	1.096E-12	1.1085E-11	-0.24839	hypo	sig	chr20_63364252
chr4	1233303	1233303	+	1.096E-12	1.1087E-11	0.233338	hyper	sig	chr4_1233303
chr1	47433581	47433581	+	1.096E-12	1.109E-11	0.323096	hyper	sig	chr1_47433581
chr7	1.55E+08	155373834	+	1.097E-12	1.1095E-11	0.241632	hyper	sig	chr7_155373834
chr1	34176735	34176735	+	1.097E-12	1.1101E-11	0.215638	hyper	sig	chr1_34176735
chr19	17329068	17329068	+	1.097E-12	1.1103E-11	0.228636	hyper	sig	chr19_17329068
chr20	37519184	37519184	+	1.098E-12	1.111E-11	0.225524	hyper	sig	chr20_37519184
chr14	1.03E+08	103279901	+	1.098E-12	1.1112E-11	0.290756	hyper	sig	chr14_103279901
chr5	37836290	37836290	+	1.1E-12	1.1124E-11	0.25943	hyper	sig	chr5_37836290
chr5	1.79E+08	178502745	+	1.101E-12	1.1133E-11	-0.2577	hypo	sig	chr5_178502745
chr8	1.45E+08	144503752	+	1.101E-12	1.1133E-11	-0.21882	hypo	sig	chr8_144503752
chr2	1768155	1768155	+	1.101E-12	1.1136E-11	-0.21311	hypo	sig	chr2_1768155
chr2	1.19E+08	118852117	+	1.101E-12	1.1137E-11	0.218503	hyper	sig	chr2_118852117
chr7	1.13E+08	113017485	+	1.101E-12	1.1139E-11	-0.23274	hypo	sig	chr7_113017485
chr1	1.89E+08	188857716	+	1.102E-12	1.1144E-11	-0.2418	hypo	sig	chr1_188857716
chr6	31996614	31996614	+	1.102E-12	1.1145E-11	-0.24207	hypo	sig	chr6_31996614
chr22	39151133	39151133	+	1.103E-12	1.1152E-11	0.249911	hyper	sig	chr22_39151133
chr22	49704637	49704637	+	1.103E-12	1.116E-11	0.268374	hyper	sig	chr22_49704637
chr16	3183385	3183385	+	1.104E-12	1.1165E-11	0.236541	hyper	sig	chr16_3183385
chr6	32185798	32185798	+	1.104E-12	1.1167E-11	0.231686	hyper	sig	chr6_32185798
chr1	63320407	63320407	+	1.105E-12	1.118E-11	0.208052	hyper	sig	chr1_63320407
chr10	8043360	8043360	+	1.106E-12	1.1185E-11	0.318539	hyper	sig	chr10_8043360
chr5	1.41E+08	140797081	+	1.106E-12	1.1189E-11	0.235808	hyper	sig	chr5_140797081
chr1	6455560	6455560	+	1.107E-12	1.1191E-11	0.211235	hyper	sig	chr1_6455560
chr4	7643885	7643885	+	1.107E-12	1.1192E-11	-0.20574	hypo	sig	chr4_7643885
chr7	15685505	15685505	+	1.108E-12	1.1205E-11	0.246744	hyper	sig	chr7_15685505
chr10	49608992	49608992	+	1.108E-12	1.1208E-11	0.290167	hyper	sig	chr10_49608992
chr8	70069869	70069869	+	1.108E-12	1.1209E-11	0.260549	hyper	sig	chr8_70069869
chr11	69542842	69542842	+	1.108E-12	1.1209E-11	0.230128	hyper	sig	chr11_69542842
chr5	1.41E+08	141350910	+	1.109E-12	1.121E-11	0.242153	hyper	sig	chr5_141350910
chr13	1.12E+08	111965972	+	1.109E-12	1.1217E-11	-0.22738	hypo	sig	chr13_111965972
chr8	37797777	37797777	+	1.109E-12	1.1218E-11	0.231397	hyper	sig	chr8_37797777
chr4	1407683	1407683	+	1.109E-12	1.1218E-11	0.283546	hyper	sig	chr4_1407683
chr8	54454222	54454222	+	1.11E-12	1.1219E-11	0.321844	hyper	sig	chr8_54454222
chr1	1.11E+08	111227652	+	1.113E-12	1.125E-11	-0.22172	hypo	sig	chr1_111227652
chr13	77662472	77662472	+	1.113E-12	1.1258E-11	-0.28197	hypo	sig	chr13_77662472
chr5	88689973	88689973	+	1.114E-12	1.1264E-11	0.247916	hyper	sig	chr5_88689973
chr16	84141400	84141400	+	1.114E-12	1.1266E-11	-0.20927	hypo	sig	chr16_84141400
chr5	1.8E+08	180093950	+	1.114E-12	1.1266E-11	-0.26172	hypo	sig	chr5_180093950
chr7	1230960	1230960	+	1.115E-12	1.1269E-11	0.267818	hyper	sig	chr7_1230960

chr5	1.79E+08	179340471	+	1.115E-12	1.1274E-11	-0.21299	hypo	sig	chr5_179340471
chr12	1.31E+08	130675059	+	1.116E-12	1.1285E-11	-0.22641	hypo	sig	chr12_130675059
chr15	89783597	89783597	+	1.116E-12	1.1285E-11	-0.2327	hypo	sig	chr15_89783597
chr22	24685928	24685928	+	1.117E-12	1.129E-11	0.2666	hyper	sig	chr22_24685928
chr20	9516287	9516287	+	1.117E-12	1.1295E-11	0.221921	hyper	sig	chr20_9516287
chr4	1.11E+08	110639338	+	1.12E-12	1.132E-11	0.289241	hyper	sig	chr4_110639338
chr5	43037287	43037287	+	1.12E-12	1.1322E-11	0.220537	hyper	sig	chr5_43037287
chr14	28765746	28765746	+	1.121E-12	1.1333E-11	0.235693	hyper	sig	chr14_28765746
chr7	1.08E+08	108455499	+	1.121E-12	1.1334E-11	0.210214	hyper	sig	chr7_108455499
chr1	1.78E+08	178486981	+	1.121E-12	1.1334E-11	0.288015	hyper	sig	chr1_178486981
chr9	1.26E+08	126015544	+	1.123E-12	1.1348E-11	-0.29546	hypo	sig	chr9_126015544
chr19	36309976	36309976	+	1.123E-12	1.1349E-11	0.263206	hyper	sig	chr19_36309976
chr11	69967144	69967144	+	1.123E-12	1.1351E-11	-0.20692	hypo	sig	chr11_69967144
chr18	45775716	45775716	+	1.123E-12	1.1353E-11	0.214737	hyper	sig	chr18_45775716
chr12	56000435	56000435	+	1.123E-12	1.1354E-11	-0.25366	hypo	sig	chr12_56000435
chr1	19923749	19923749	+	1.124E-12	1.136E-11	-0.26696	hypo	sig	chr1_19923749
chr2	88170740	88170740	+	1.125E-12	1.1371E-11	0.240612	hyper	sig	chr2_88170740
chr5	55228044	55228044	+	1.126E-12	1.138E-11	0.214713	hyper	sig	chr5_55228044
chr19	50428202	50428202	+	1.126E-12	1.1382E-11	0.244458	hyper	sig	chr19_50428202
chr8	1.43E+08	142524174	+	1.128E-12	1.1401E-11	-0.32634	hypo	sig	chr8_142524174
chr11	45666340	45666340	+	1.128E-12	1.1402E-11	-0.23486	hypo	sig	chr11_45666340
chr4	7287770	7287770	+	1.128E-12	1.1403E-11	-0.26273	hypo	sig	chr4_7287770
chr11	1.18E+08	117502529	+	1.129E-12	1.1404E-11	-0.2591	hypo	sig	chr11_117502529
chr13	1.13E+08	113454337	+	1.129E-12	1.1404E-11	0.201643	hyper	sig	chr13_113454337
chr17	5116466	5116466	+	1.129E-12	1.1404E-11	0.2798	hyper	sig	chr17_5116466
chr11	30583960	30583960	+	1.13E-12	1.1416E-11	0.269488	hyper	sig	chr11_30583960
chr8	1.27E+08	126736232	+	1.131E-12	1.1423E-11	-0.20497	hypo	sig	chr8_126736232
chr20	33018735	33018735	+	1.131E-12	1.1423E-11	-0.21795	hypo	sig	chr20_33018735
chr12	54126636	54126636	+	1.132E-12	1.1436E-11	0.262441	hyper	sig	chr12_54126636
chr1	26359275	26359275	+	1.133E-12	1.1443E-11	-0.21427	hypo	sig	chr1_26359275
chr10	1.24E+08	124008358	+	1.133E-12	1.1452E-11	0.216568	hyper	sig	chr10_124008358
chr4	1.47E+08	147480949	+	1.136E-12	1.1472E-11	0.25353	hyper	sig	chr4_147480949
chr17	8347308	8347308	+	1.136E-12	1.1475E-11	0.21495	hyper	sig	chr17_8347308
chr8	1.42E+08	142430184	+	1.136E-12	1.1476E-11	-0.26419	hypo	sig	chr8_142430184
chr6	1.66E+08	166309285	+	1.136E-12	1.1477E-11	-0.21466	hypo	sig	chr6_166309285
chr13	64958110	64958110	+	1.137E-12	1.1481E-11	-0.23213	hypo	sig	chr13_64958110
chr18	47251637	47251637	+	1.137E-12	1.1486E-11	0.211136	hyper	sig	chr18_47251637
chr1	1.6E+08	160084569	+	1.137E-12	1.1486E-11	0.22668	hyper	sig	chr1_160084569
chr10	71806248	71806248	+	1.137E-12	1.149E-11	-0.24989	hypo	sig	chr10_71806248
chr1	2439546	2439546	+	1.138E-12	1.1492E-11	-0.2532	hypo	sig	chr1_2439546
chr12	9951213	9951213	+	1.139E-12	1.1502E-11	-0.20614	hypo	sig	chr12_9951213
chr9	1.05E+08	104925430	+	1.139E-12	1.1503E-11	0.279623	hyper	sig	chr9_104925430
chr1	24321713	24321713	+	1.139E-12	1.1504E-11	-0.27513	hypo	sig	chr1_24321713
chr1	46485610	46485610	+	1.139E-12	1.1504E-11	0.280128	hyper	sig	chr1_46485610
chr1	2.3E+08	230332953	+	1.139E-12	1.1505E-11	-0.23431	hypo	sig	chr1_230332953
chr20	35093294	35093294	+	1.139E-12	1.1508E-11	-0.21005	hypo	sig	chr20_35093294
chr20	63775170	63775170	+	1.14E-12	1.151E-11	0.306433	hyper	sig	chr20_63775170
chr5	1.41E+08	141366108	+	1.14E-12	1.1515E-11	0.220419	hyper	sig	chr5_141366108
chr16	88063374	88063374	+	1.142E-12	1.1529E-11	0.27774	hyper	sig	chr16_88063374
chr16	51153964	51153964	+	1.142E-12	1.1532E-11	0.273398	hyper	sig	chr16_51153964
chr1	1.57E+08	156860492	+	1.142E-12	1.1534E-11	0.205631	hyper	sig	chr1_156860492
chr14	41605945	41605945	+	1.142E-12	1.1534E-11	0.232991	hyper	sig	chr14_41605945
chr12	6636464	6636464	+	1.142E-12	1.1534E-11	-0.23797	hypo	sig	chr12_6636464
chr2	1605256	1605256	+	1.143E-12	1.1539E-11	-0.28245	hypo	sig	chr2_1605256
chr1	1.1E+08	110151175	+	1.143E-12	1.154E-11	0.214912	hyper	sig	chr1_110151175
chr1	52843548	52843548	+	1.143E-12	1.154E-11	0.276878	hyper	sig	chr1_52843548

chr12	1.14E+08	114409723	+	1.144E-12	1.1553E-11	0.229076	hyper	sig	chr12_114409723
chr19	42042599	42042599	+	1.145E-12	1.1559E-11	-0.21539	hypo	sig	chr19_42042599
chr14	28767154	28767154	+	1.145E-12	1.1561E-11	0.298974	hyper	sig	chr14_28767154
chr8	71845221	71845221	+	1.145E-12	1.1563E-11	0.284972	hyper	sig	chr8_71845221
chr5	1.79E+08	179209958	+	1.145E-12	1.1564E-11	-0.22814	hypo	sig	chr5_179209958
chr11	1.27E+08	127000294	+	1.146E-12	1.1573E-11	0.235301	hyper	sig	chr11_127000294
chr1	29349901	29349901	+	1.146E-12	1.1573E-11	-0.26488	hypo	sig	chr1_29349901
chr20	62476800	62476800	+	1.147E-12	1.1577E-11	0.222162	hyper	sig	chr20_62476800
chr2	64990423	64990423	+	1.147E-12	1.1582E-11	-0.21	hypo	sig	chr2_64990423
chr5	1.81E+08	181114768	+	1.147E-12	1.1583E-11	0.255074	hyper	sig	chr5_181114768
chr12	8221512	8221512	+	1.147E-12	1.1585E-11	-0.2075	hypo	sig	chr12_8221512
chr5	320730	320730	+	1.148E-12	1.1588E-11	0.335464	hyper	sig	chr5_320730
chr6	33167979	33167979	+	1.148E-12	1.1589E-11	-0.2375	hypo	sig	chr6_33167979
chr1	5976528	5976528	+	1.148E-12	1.1595E-11	0.239231	hyper	sig	chr1_5976528
chr17	28717678	28717678	+	1.149E-12	1.1596E-11	0.313979	hyper	sig	chr17_28717678
chr3	9552394	9552394	+	1.149E-12	1.1596E-11	0.324276	hyper	sig	chr3_9552394
chr3	1.28E+08	128075982	+	1.149E-12	1.1602E-11	0.212541	hyper	sig	chr3_128075982
chr3	43998460	43998460	+	1.15E-12	1.1605E-11	0.205994	hyper	sig	chr3_43998460
chr16	88328338	88328338	+	1.15E-12	1.1607E-11	-0.20487	hypo	sig	chr16_88328338
chr7	1.58E+08	157501822	+	1.15E-12	1.1611E-11	-0.21771	hypo	sig	chr7_157501822
chr2	1.74E+08	174327087	+	1.15E-12	1.1613E-11	0.249777	hyper	sig	chr2_174327087
chr2	74516583	74516583	+	1.151E-12	1.1618E-11	0.274896	hyper	sig	chr2_74516583
chr8	26040254	26040254	+	1.152E-12	1.1625E-11	0.281226	hyper	sig	chr8_26040254
chr2	74506970	74506970	+	1.152E-12	1.1631E-11	-0.24159	hypo	sig	chr2_74506970
chr5	1.41E+08	141364437	+	1.153E-12	1.1635E-11	0.209845	hyper	sig	chr5_141364437
chr13	27971436	27971436	+	1.153E-12	1.1636E-11	-0.2469	hypo	sig	chr13_27971436
chr20	46307456	46307456	+	1.153E-12	1.1639E-11	0.308229	hyper	sig	chr20_46307456
chr18	47249205	47249205	+	1.154E-12	1.1651E-11	0.239723	hyper	sig	chr18_47249205
chr7	90321223	90321223	+	1.154E-12	1.1651E-11	0.22955	hyper	sig	chr7_90321223
chr7	1.5E+08	149790309	+	1.155E-12	1.1653E-11	0.220643	hyper	sig	chr7_149790309
chr19	4552624	4552624	+	1.155E-12	1.1653E-11	-0.21689	hypo	sig	chr19_4552624
chr10	1.02E+08	102419159	+	1.155E-12	1.1655E-11	0.24387	hyper	sig	chr10_102419159
chr6	1.69E+08	168872003	+	1.155E-12	1.1657E-11	-0.21719	hypo	sig	chr6_168872003
chr2	2.42E+08	241843139	+	1.156E-12	1.1662E-11	-0.21072	hypo	sig	chr2_241843139
chr3	1.94E+08	194400170	+	1.156E-12	1.1664E-11	-0.27654	hypo	sig	chr3_194400170
chr11	66421269	66421269	+	1.156E-12	1.1666E-11	0.273044	hyper	sig	chr11_66421269
chr14	60486213	60486213	+	1.156E-12	1.1668E-11	0.282029	hyper	sig	chr14_60486213
chr9	1.35E+08	134802702	+	1.156E-12	1.1669E-11	-0.26936	hypo	sig	chr9_134802702
chr7	44709255	44709255	+	1.157E-12	1.1673E-11	0.216465	hyper	sig	chr7_44709255
chr12	29783192	29783192	+	1.158E-12	1.1684E-11	0.224273	hyper	sig	chr12_29783192
chr1	2.17E+08	217139748	+	1.158E-12	1.1685E-11	0.300832	hyper	sig	chr1_217139748
chr9	91948271	91948271	+	1.158E-12	1.1687E-11	0.226063	hyper	sig	chr9_91948271
chr12	48970643	48970643	+	1.159E-12	1.169E-11	0.24235	hyper	sig	chr12_48970643
chr3	11017774	11017774	+	1.159E-12	1.169E-11	-0.26869	hypo	sig	chr3_11017774
chr1	47225947	47225947	+	1.159E-12	1.1691E-11	0.212121	hyper	sig	chr1_47225947
chr1	2.43E+08	243482959	+	1.159E-12	1.1693E-11	0.290404	hyper	sig	chr1_243482959
chr1	2E+08	200038758	+	1.159E-12	1.1699E-11	0.327671	hyper	sig	chr1_200038758
chr12	1.13E+08	113479738	+	1.16E-12	1.1702E-11	0.242287	hyper	sig	chr12_113479738
chr5	19988259	19988259	+	1.16E-12	1.1702E-11	0.21044	hyper	sig	chr5_19988259
chr12	46831229	46831229	+	1.16E-12	1.1703E-11	0.285357	hyper	sig	chr12_46831229
chr4	3533034	3533034	+	1.16E-12	1.1703E-11	0.226334	hyper	sig	chr4_3533034
chr9	1.22E+08	121597985	+	1.16E-12	1.1705E-11	0.22376	hyper	sig	chr9_121597985
chr10	3118758	3118758	+	1.16E-12	1.1706E-11	-0.29417	hypo	sig	chr10_3118758
chr5	1.41E+08	141156121	+	1.161E-12	1.1708E-11	0.265237	hyper	sig	chr5_141156121
chr16	85197057	85197057	+	1.161E-12	1.1713E-11	0.299147	hyper	sig	chr16_85197057
chr17	4745241	4745241	+	1.161E-12	1.1717E-11	0.265887	hyper	sig	chr17_4745241

chr3	64267924	64267924	+	1.162E-12	1.1725E-11	0.259502	hyper	sig	chr3_64267924
chr19	36792011	36792011	+	1.162E-12	1.1726E-11	0.242389	hyper	sig	chr19_36792011
chr7	1027683	1027683	+	1.162E-12	1.1726E-11	0.234247	hyper	sig	chr7_1027683
chr16	51113928	51113928	+	1.163E-12	1.1731E-11	0.275798	hyper	sig	chr16_51113928
chr12	1.03E+08	102824460	+	1.164E-12	1.1739E-11	0.276316	hyper	sig	chr12_102824460
chr4	3242474	3242474	+	1.164E-12	1.174E-11	0.23089	hyper	sig	chr4_3242474
chr4	2462280	2462280	+	1.164E-12	1.1745E-11	0.310137	hyper	sig	chr4_2462280
chr22	42338667	42338667	+	1.165E-12	1.1747E-11	-0.20592	hypo	sig	chr22_42338667
chr14	1.05E+08	104717863	+	1.166E-12	1.176E-11	0.265108	hyper	sig	chr14_104717863
chr20	34559727	34559727	+	1.166E-12	1.176E-11	0.24788	hyper	sig	chr20_34559727
chr6	1.67E+08	166861951	+	1.167E-12	1.1767E-11	0.230969	hyper	sig	chr6_166861951
chr13	27795301	27795301	+	1.167E-12	1.1768E-11	0.293573	hyper	sig	chr13_27795301
chr17	41041469	41041469	+	1.167E-12	1.1772E-11	-0.22383	hypo	sig	chr17_41041469
chr10	1.25E+08	125138301	+	1.168E-12	1.1777E-11	-0.23368	hypo	sig	chr10_125138301
chr8	81630576	81630576	+	1.168E-12	1.1779E-11	-0.26043	hypo	sig	chr8_81630576
chr5	12795261	12795261	+	1.169E-12	1.179E-11	-0.21219	hypo	sig	chr5_12795261
chr8	92102460	92102460	+	1.171E-12	1.1812E-11	0.224738	hyper	sig	chr8_92102460
chr17	28717603	28717603	+	1.172E-12	1.1817E-11	0.207878	hyper	sig	chr17_28717603
chr16	51156176	51156176	+	1.172E-12	1.1818E-11	0.225269	hyper	sig	chr16_51156176
chr5	1.41E+08	140786422	+	1.173E-12	1.1824E-11	0.218857	hyper	sig	chr5_140786422
chr7	1.55E+08	155465746	+	1.173E-12	1.1825E-11	0.275366	hyper	sig	chr7_155465746
chr10	3118912	3118912	+	1.173E-12	1.1826E-11	-0.21221	hypo	sig	chr10_3118912
chr17	82321149	82321149	+	1.173E-12	1.1832E-11	-0.30207	hypo	sig	chr17_82321149
chr1	6418563	6418563	+	1.173E-12	1.1832E-11	-0.24718	hypo	sig	chr1_6418563
chr16	88151233	88151233	+	1.174E-12	1.1833E-11	-0.22769	hypo	sig	chr16_88151233
chr2	86861134	86861134	+	1.174E-12	1.1833E-11	-0.25393	hypo	sig	chr2_86861134
chr5	73301170	73301170	+	1.174E-12	1.1837E-11	0.203316	hyper	sig	chr5_73301170
chr10	1.18E+08	117536425	+	1.175E-12	1.1844E-11	0.305351	hyper	sig	chr10_117536425
chr8	24999049	24999049	+	1.175E-12	1.1847E-11	-0.21202	hypo	sig	chr8_24999049
chr1	42957249	42957249	+	1.176E-12	1.1853E-11	-0.23717	hypo	sig	chr1_42957249
chr1	29478798	29478798	+	1.177E-12	1.1864E-11	0.272188	hyper	sig	chr1_29478798
chr5	1.41E+08	141239827	+	1.177E-12	1.1865E-11	0.274975	hyper	sig	chr5_141239827
chr1	2434324	2434324	+	1.177E-12	1.1868E-11	-0.20192	hypo	sig	chr1_2434324
chr15	93073714	93073714	+	1.177E-12	1.1871E-11	0.227958	hyper	sig	chr15_93073714
chr19	47335906	47335906	+	1.178E-12	1.1872E-11	-0.20842	hypo	sig	chr19_47335906
chr1	2.02E+08	202122752	+	1.178E-12	1.1875E-11	0.243796	hyper	sig	chr1_202122752
chr12	1.31E+08	130716917	+	1.178E-12	1.1875E-11	0.214315	hyper	sig	chr12_130716917
chr19	43699513	43699513	+	1.179E-12	1.1887E-11	0.264253	hyper	sig	chr19_43699513
chr18	22173547	22173547	+	1.179E-12	1.189E-11	-0.269	hypo	sig	chr18_22173547
chr13	20301686	20301686	+	1.18E-12	1.1893E-11	0.320805	hyper	sig	chr13_20301686
chr12	6057782	6057782	+	1.18E-12	1.1898E-11	0.201513	hyper	sig	chr12_6057782
chr4	55157630	55157630	+	1.181E-12	1.1901E-11	0.261591	hyper	sig	chr4_55157630
chr1	2.21E+08	220887728	+	1.181E-12	1.1903E-11	0.264498	hyper	sig	chr1_220887728
chr17	17392169	17392169	+	1.181E-12	1.1905E-11	-0.23719	hypo	sig	chr17_17392169
chr9	1.38E+08	137579395	+	1.181E-12	1.1905E-11	0.254029	hyper	sig	chr9_137579395
chr19	345419	345419	+	1.181E-12	1.1906E-11	0.249673	hyper	sig	chr19_345419
chr8	1200442	1200442	+	1.181E-12	1.1906E-11	0.204637	hyper	sig	chr8_1200442
chr6	77466905	77466905	+	1.183E-12	1.192E-11	0.241979	hyper	sig	chr6_77466905
chr17	7425353	7425353	+	1.184E-12	1.1931E-11	-0.21516	hypo	sig	chr17_7425353
chr19	43624102	43624102	+	1.184E-12	1.1935E-11	-0.31092	hypo	sig	chr19_43624102
chr19	13286171	13286171	+	1.184E-12	1.1936E-11	-0.29873	hypo	sig	chr19_13286171
chr5	1.41E+08	140884053	+	1.185E-12	1.1941E-11	0.268034	hyper	sig	chr5_140884053
chr15	28832249	28832249	+	1.185E-12	1.1946E-11	0.212476	hyper	sig	chr15_28832249
chr11	65607722	65607722	+	1.188E-12	1.197E-11	0.207384	hyper	sig	chr11_65607722
chr11	17474667	17474667	+	1.188E-12	1.1974E-11	-0.25877	hypo	sig	chr11_17474667
chr10	1.01E+08	101133039	+	1.189E-12	1.1982E-11	0.291454	hyper	sig	chr10_101133039

chr11	57569514	57569514	+	1.191E-12	1.2003E-11	-0.2933	hypo	sig	chr11_57569514
chr18	47248679	47248679	+	1.192E-12	1.2009E-11	0.207503	hyper	sig	chr18_47248679
chr5	1.41E+08	140803288	+	1.192E-12	1.2012E-11	0.243842	hyper	sig	chr5_140803288
chr1	31619517	31619517	+	1.193E-12	1.2022E-11	-0.22666	hypo	sig	chr1_31619517
chr6	1E+08	100447206	+	1.193E-12	1.2024E-11	0.21395	hyper	sig	chr6_100447206
chr3	1.39E+08	138940171	+	1.194E-12	1.2029E-11	0.276711	hyper	sig	chr3_138940171
chr19	2295083	2295083	+	1.194E-12	1.2035E-11	0.244824	hyper	sig	chr19_2295083
chr22	44206982	44206982	+	1.195E-12	1.2035E-11	-0.2569	hypo	sig	chr22_44206982
chr19	41904358	41904358	+	1.196E-12	1.2048E-11	-0.24954	hypo	sig	chr19_41904358
chr17	4785448	4785448	+	1.196E-12	1.205E-11	0.220373	hyper	sig	chr17_4785448
chr12	6540183	6540183	+	1.196E-12	1.2052E-11	-0.24288	hypo	sig	chr12_6540183
chr1	2333118	2333118	+	1.196E-12	1.2052E-11	-0.32398	hypo	sig	chr1_2333118
chr17	81489874	81489874	+	1.196E-12	1.2052E-11	0.205701	hyper	sig	chr17_81489874
chr1	2.28E+08	227925453	+	1.197E-12	1.2054E-11	-0.26198	hypo	sig	chr1_227925453
chr17	27800364	27800364	+	1.197E-12	1.2056E-11	-0.25164	hypo	sig	chr17_27800364
chr16	67648904	67648904	+	1.197E-12	1.2056E-11	0.302644	hyper	sig	chr16_67648904
chr10	7666842	7666842	+	1.198E-12	1.2064E-11	0.268865	hyper	sig	chr10_7666842
chr2	2.31E+08	231398415	+	1.198E-12	1.2065E-11	-0.22924	hypo	sig	chr2_231398415
chr3	1.86E+08	186366133	+	1.198E-12	1.2065E-11	0.209932	hyper	sig	chr3_186366133
chr2	5700758	5700758	+	1.198E-12	1.207E-11	-0.2009	hypo	sig	chr2_5700758
chr1	9694061	9694061	+	1.198E-12	1.2072E-11	-0.21445	hypo	sig	chr1_9694061
chr2	2.39E+08	239247106	+	1.2E-12	1.2088E-11	-0.23878	hypo	sig	chr2_239247106
chr2	1.19E+08	119011921	+	1.201E-12	1.2093E-11	0.215803	hyper	sig	chr2_119011921
chr6	1.59E+08	159168977	+	1.201E-12	1.2095E-11	0.266069	hyper	sig	chr6_159168977
chr6	29792027	29792027	+	1.201E-12	1.2098E-11	0.213287	hyper	sig	chr6_29792027
chr1	68047000	68047000	+	1.202E-12	1.211E-11	-0.21678	hypo	sig	chr1_68047000
chr16	29318224	29318224	+	1.202E-12	1.211E-11	-0.20703	hypo	sig	chr16_29318224
chr14	1.06E+08	105624850	+	1.202E-12	1.211E-11	-0.23757	hypo	sig	chr14_105624850
chr6	25732641	25732641	+	1.203E-12	1.2114E-11	0.206202	hyper	sig	chr6_25732641
chr19	53058109	53058109	+	1.203E-12	1.2118E-11	0.303131	hyper	sig	chr19_53058109
chr13	1.12E+08	112344080	+	1.203E-12	1.2119E-11	-0.29491	hypo	sig	chr13_112344080
chr13	1.12E+08	111973283	+	1.204E-12	1.2129E-11	0.324209	hyper	sig	chr13_111973283
chr19	1131061	1131061	+	1.205E-12	1.2138E-11	-0.26372	hypo	sig	chr19_1131061
chr19	5915019	5915019	+	1.206E-12	1.2141E-11	0.258729	hyper	sig	chr19_5915019
chr6	30907180	30907180	+	1.206E-12	1.2144E-11	-0.22397	hypo	sig	chr6_30907180
chr9	94607513	94607513	+	1.206E-12	1.2145E-11	-0.2598	hypo	sig	chr9_94607513
chr20	37384986	37384986	+	1.206E-12	1.2145E-11	0.274324	hyper	sig	chr20_37384986
chr5	88671986	88671986	+	1.206E-12	1.2148E-11	0.208352	hyper	sig	chr5_88671986
chr1	90835046	90835046	+	1.207E-12	1.215E-11	0.21172	hyper	sig	chr1_90835046
chr12	85278800	85278800	+	1.207E-12	1.2157E-11	0.247381	hyper	sig	chr12_85278800
chr5	32713601	32713601	+	1.209E-12	1.2177E-11	0.229236	hyper	sig	chr5_32713601
chr16	78045856	78045856	+	1.21E-12	1.2181E-11	0.200476	hyper	sig	chr16_78045856
chr8	48735310	48735310	+	1.212E-12	1.2204E-11	0.216565	hyper	sig	chr8_48735310
chr5	1.81E+08	180646815	+	1.212E-12	1.2206E-11	-0.27563	hypo	sig	chr5_180646815
chr10	1.33E+08	132685337	+	1.212E-12	1.2208E-11	-0.28199	hypo	sig	chr10_132685337
chr10	1.32E+08	132332775	+	1.213E-12	1.2213E-11	-0.29983	hypo	sig	chr10_132332775
chr6	31728446	31728446	+	1.214E-12	1.2218E-11	0.281229	hyper	sig	chr6_31728446
chr9	1.37E+08	136846498	+	1.216E-12	1.2239E-11	0.223743	hyper	sig	chr9_136846498
chr22	45890093	45890093	+	1.217E-12	1.2251E-11	0.292193	hyper	sig	chr22_45890093
chr16	88186736	88186736	+	1.217E-12	1.2251E-11	0.24133	hyper	sig	chr16_88186736
chr5	1.7E+08	170108730	+	1.218E-12	1.2259E-11	-0.22726	hypo	sig	chr5_170108730
chr3	53258329	53258329	+	1.219E-12	1.2267E-11	-0.291	hypo	sig	chr3_53258329
chr2	1653747	1653747	+	1.219E-12	1.2268E-11	0.242829	hyper	sig	chr2_1653747
chr14	24311459	24311459	+	1.219E-12	1.227E-11	0.205924	hyper	sig	chr14_24311459
chr4	2320264	2320264	+	1.219E-12	1.2271E-11	-0.22185	hypo	sig	chr4_2320264
chr3	1.47E+08	147388823	+	1.219E-12	1.2273E-11	0.218624	hyper	sig	chr3_147388823

chr1	1.63E+08	162847171	+	1.219E-12	1.2276E-11	-0.21078	hypo	sig	chr1_162847171
chr5	63961070	63961070	+	1.22E-12	1.2278E-11	0.320198	hyper	sig	chr5_63961070
chr11	67421706	67421706	+	1.22E-12	1.2282E-11	-0.21953	hypo	sig	chr11_67421706
chr10	97187021	97187021	+	1.22E-12	1.2282E-11	-0.22279	hypo	sig	chr10_97187021
chr5	17656528	17656528	+	1.22E-12	1.2283E-11	-0.22147	hypo	sig	chr5_17656528
chr19	42095734	42095734	+	1.221E-12	1.2286E-11	0.280398	hyper	sig	chr19_42095734
chr19	57600239	57600239	+	1.221E-12	1.2288E-11	0.247751	hyper	sig	chr19_57600239
chr4	41878538	41878538	+	1.221E-12	1.2288E-11	0.287116	hyper	sig	chr4_41878538
chr1	1.51E+08	150549882	+	1.223E-12	1.2306E-11	0.221348	hyper	sig	chr1_150549882
chr12	1.32E+08	132403718	+	1.225E-12	1.2325E-11	-0.27976	hypo	sig	chr12_132403718
chr3	48656554	48656554	+	1.225E-12	1.2333E-11	0.209882	hyper	sig	chr3_48656554
chr19	10624872	10624872	+	1.226E-12	1.2333E-11	-0.23203	hypo	sig	chr19_10624872
chr16	88431696	88431696	+	1.226E-12	1.2341E-11	-0.25456	hypo	sig	chr16_88431696
chr19	1271276	1271276	+	1.227E-12	1.2349E-11	0.281756	hyper	sig	chr19_1271276
chr5	1.77E+08	176868928	+	1.228E-12	1.2355E-11	-0.21816	hypo	sig	chr5_176868928
chr3	1.34E+08	134371895	+	1.228E-12	1.2358E-11	0.212453	hyper	sig	chr3_134371895
chr10	1.33E+08	133085458	+	1.229E-12	1.2365E-11	-0.27022	hypo	sig	chr10_133085458
chr19	6744921	6744921	+	1.23E-12	1.2373E-11	0.239813	hyper	sig	chr19_6744921
chr14	24311578	24311578	+	1.23E-12	1.2374E-11	0.231989	hyper	sig	chr14_24311578
chr6	1.37E+08	137487758	+	1.231E-12	1.2382E-11	0.320367	hyper	sig	chr6_137487758
chr22	31096756	31096756	+	1.232E-12	1.2394E-11	0.305115	hyper	sig	chr22_31096756
chr13	1.11E+08	110628537	+	1.232E-12	1.2397E-11	0.273877	hyper	sig	chr13_110628537
chr8	1.4E+08	140100801	+	1.232E-12	1.2397E-11	0.218038	hyper	sig	chr8_140100801
chr6	5994969	5994969	+	1.233E-12	1.2409E-11	0.27375	hyper	sig	chr6_5994969
chr5	38846352	38846352	+	1.233E-12	1.2409E-11	0.235899	hyper	sig	chr5_38846352
chr17	74988823	74988823	+	1.234E-12	1.2412E-11	0.308759	hyper	sig	chr17_74988823
chr6	32761786	32761786	+	1.234E-12	1.2415E-11	0.260648	hyper	sig	chr6_32761786
chr11	3218645	3218645	+	1.237E-12	1.244E-11	-0.3024	hypo	sig	chr11_3218645
chr20	9514681	9514681	+	1.237E-12	1.2441E-11	0.202632	hyper	sig	chr20_9514681
chr17	80198378	80198378	+	1.237E-12	1.2445E-11	0.242751	hyper	sig	chr17_80198378
chr4	1.56E+08	155758877	+	1.237E-12	1.2447E-11	0.293535	hyper	sig	chr4_155758877
chr6	1E+08	100454382	+	1.238E-12	1.2455E-11	0.216182	hyper	sig	chr6_100454382
chr9	1.33E+08	133121768	+	1.238E-12	1.2457E-11	-0.21307	hypo	sig	chr9_133121768
chr1	31792490	31792490	+	1.239E-12	1.2461E-11	-0.33817	hypo	sig	chr1_31792490
chr2	96116253	96116253	+	1.239E-12	1.2461E-11	0.295051	hyper	sig	chr2_96116253
chr17	40355336	40355336	+	1.239E-12	1.2462E-11	0.259095	hyper	sig	chr17_40355336
chr2	44944660	44944660	+	1.24E-12	1.247E-11	0.294648	hyper	sig	chr2_44944660
chr19	728118	728118	+	1.241E-12	1.248E-11	-0.22784	hypo	sig	chr19_728118
chr13	27823234	27823234	+	1.241E-12	1.2484E-11	0.229262	hyper	sig	chr13_27823234
chr16	629273	629273	+	1.241E-12	1.2486E-11	-0.21669	hypo	sig	chr16_629273
chr8	59120099	59120099	+	1.242E-12	1.2487E-11	0.215532	hyper	sig	chr8_59120099
chr7	75995359	75995359	+	1.242E-12	1.2492E-11	0.295134	hyper	sig	chr7_75995359
chr5	1.41E+08	141403631	+	1.242E-12	1.2494E-11	0.214181	hyper	sig	chr5_141403631
chr19	3179399	3179399	+	1.243E-12	1.2499E-11	-0.2381	hypo	sig	chr19_3179399
chr16	4307328	4307328	+	1.243E-12	1.2503E-11	-0.28995	hypo	sig	chr16_4307328
chr7	1.52E+08	151850884	+	1.243E-12	1.2503E-11	-0.23205	hypo	sig	chr7_151850884
chr3	68007757	68007757	+	1.243E-12	1.2505E-11	0.308594	hyper	sig	chr3_68007757
chr11	43577504	43577504	+	1.244E-12	1.2508E-11	0.207006	hyper	sig	chr11_43577504
chr16	1093695	1093695	+	1.244E-12	1.251E-11	-0.20159	hypo	sig	chr16_1093695
chr7	1.57E+08	157004237	+	1.244E-12	1.2515E-11	0.222947	hyper	sig	chr7_157004237
chr6	34002160	34002160	+	1.246E-12	1.253E-11	0.235911	hyper	sig	chr6_34002160
chr5	73300923	73300923	+	1.246E-12	1.2531E-11	0.207631	hyper	sig	chr5_73300923
chr16	1207917	1207917	+	1.246E-12	1.2531E-11	-0.27892	hypo	sig	chr16_1207917
chr9	1.13E+08	113375822	+	1.246E-12	1.2535E-11	-0.2714	hypo	sig	chr9_113375822
chr11	1.25E+08	124865188	+	1.248E-12	1.2552E-11	0.225786	hyper	sig	chr11_124865188
chr4	41751015	41751015	+	1.249E-12	1.2559E-11	0.209832	hyper	sig	chr4_41751015

chr9	1.37E+08	137378490	+	1.25E-12	1.2568E-11	-0.26354	hypo	sig	chr9_137378490
chr3	9733045	9733045	+	1.251E-12	1.2583E-11	0.235231	hyper	sig	chr3_9733045
chr2	95526310	95526310	+	1.252E-12	1.2586E-11	0.223729	hyper	sig	chr2_95526310
chr8	26865285	26865285	+	1.252E-12	1.259E-11	0.270936	hyper	sig	chr8_26865285
chr20	63774998	63774998	+	1.253E-12	1.2598E-11	0.387663	hyper	sig	chr20_63774998
chr4	4871536	4871536	+	1.253E-12	1.2599E-11	0.235805	hyper	sig	chr4_4871536
chr3	27728573	27728573	+	1.253E-12	1.26E-11	0.267762	hyper	sig	chr3_27728573
chr11	31825326	31825326	+	1.254E-12	1.2605E-11	0.250202	hyper	sig	chr11_31825326
chr19	52453811	52453811	+	1.254E-12	1.2612E-11	0.347569	hyper	sig	chr19_52453811
chr5	2169584	2169584	+	1.254E-12	1.2612E-11	-0.26517	hypo	sig	chr5_2169584
chr17	28717345	28717345	+	1.255E-12	1.2613E-11	0.22018	hyper	sig	chr17_28717345
chr7	27098338	27098338	+	1.255E-12	1.2615E-11	0.253894	hyper	sig	chr7_27098338
chr8	1300715	1300715	+	1.255E-12	1.2616E-11	-0.21238	hypo	sig	chr8_1300715
chr11	94545463	94545463	+	1.255E-12	1.2618E-11	-0.20791	hypo	sig	chr11_94545463
chr12	1.31E+08	131380757	+	1.256E-12	1.2623E-11	0.224896	hyper	sig	chr12_131380757
chr8	52099932	52099932	+	1.257E-12	1.2636E-11	0.217555	hyper	sig	chr8_52099932
chr16	85170334	85170334	+	1.257E-12	1.2638E-11	0.23321	hyper	sig	chr16_85170334
chr15	79091451	79091451	+	1.258E-12	1.2644E-11	0.217949	hyper	sig	chr15_79091451
chr17	40755261	40755261	+	1.259E-12	1.2653E-11	-0.24955	hypo	sig	chr17_40755261
chr17	49435532	49435532	+	1.259E-12	1.2653E-11	-0.22886	hypo	sig	chr17_49435532
chr16	88416363	88416363	+	1.259E-12	1.2653E-11	-0.31055	hypo	sig	chr16_88416363
chr16	86513597	86513597	+	1.259E-12	1.2656E-11	0.262938	hyper	sig	chr16_86513597
chr4	5890560	5890560	+	1.26E-12	1.266E-11	0.285535	hyper	sig	chr4_5890560
chr2	25204280	25204280	+	1.26E-12	1.2668E-11	0.294627	hyper	sig	chr2_25204280
chr2	20186700	20186700	+	1.262E-12	1.2684E-11	-0.20808	hypo	sig	chr2_20186700
chr6	1.09E+08	109457288	+	1.262E-12	1.2685E-11	-0.20632	hypo	sig	chr6_109457288
chr11	20163562	20163562	+	1.262E-12	1.2688E-11	0.297314	hyper	sig	chr11_20163562
chr11	2788271	2788271	+	1.262E-12	1.2689E-11	0.278917	hyper	sig	chr11_2788271
chr17	7855531	7855531	+	1.263E-12	1.269E-11	0.279199	hyper	sig	chr17_7855531
chr1	20728677	20728677	+	1.263E-12	1.269E-11	-0.27114	hypo	sig	chr1_20728677
chr9	1.33E+08	132590230	+	1.264E-12	1.2702E-11	0.216719	hyper	sig	chr9_132590230
chr1	2.43E+08	243474542	+	1.265E-12	1.2711E-11	0.213555	hyper	sig	chr1_243474542
chr1	9018445	9018445	+	1.265E-12	1.2716E-11	0.217267	hyper	sig	chr1_9018445
chr4	52862762	52862762	+	1.266E-12	1.2718E-11	0.247568	hyper	sig	chr4_52862762
chr6	1.59E+08	159168972	+	1.266E-12	1.2722E-11	0.278653	hyper	sig	chr6_159168972
chr12	52088508	52088508	+	1.267E-12	1.273E-11	-0.23706	hypo	sig	chr12_52088508
chr12	1.17E+08	117189527	+	1.268E-12	1.2738E-11	0.208834	hyper	sig	chr12_117189527
chr11	61949349	61949349	+	1.268E-12	1.2738E-11	0.223374	hyper	sig	chr11_61949349
chr1	90717510	90717510	+	1.268E-12	1.2741E-11	0.310316	hyper	sig	chr1_90717510
chr8	1.4E+08	140360130	+	1.268E-12	1.2742E-11	0.204369	hyper	sig	chr8_140360130
chr10	23174439	23174439	+	1.268E-12	1.2743E-11	0.225702	hyper	sig	chr10_23174439
chr14	1.06E+08	105668811	+	1.269E-12	1.2748E-11	-0.23066	hypo	sig	chr14_105668811
chr8	1.44E+08	143891631	+	1.269E-12	1.2752E-11	-0.21637	hypo	sig	chr8_143891631
chr20	31637814	31637814	+	1.269E-12	1.2752E-11	0.275173	hyper	sig	chr20_31637814
chr13	45851518	45851518	+	1.269E-12	1.2754E-11	0.225758	hyper	sig	chr13_45851518
chr5	73231057	73231057	+	1.27E-12	1.2757E-11	0.254289	hyper	sig	chr5_73231057
chr2	2.16E+08	216368269	+	1.27E-12	1.2758E-11	-0.24258	hypo	sig	chr2_216368269
chr17	4900267	4900267	+	1.27E-12	1.2761E-11	0.29882	hyper	sig	chr17_4900267
chr1	17149275	17149275	+	1.27E-12	1.2761E-11	0.315984	hyper	sig	chr1_17149275
chr13	1.12E+08	112202338	+	1.271E-12	1.2771E-11	-0.26684	hypo	sig	chr13_112202338
chr8	38450938	38450938	+	1.273E-12	1.2787E-11	0.24713	hyper	sig	chr8_38450938
chr18	37485082	37485082	+	1.273E-12	1.2791E-11	0.235712	hyper	sig	chr18_37485082
chr2	60298474	60298474	+	1.274E-12	1.2795E-11	-0.21301	hypo	sig	chr2_60298474
chr12	1.2E+08	119804686	+	1.274E-12	1.2799E-11	0.22086	hyper	sig	chr12_119804686
chr7	4804299	4804299	+	1.274E-12	1.2799E-11	-0.20022	hypo	sig	chr7_4804299
chr13	1.11E+08	111095768	+	1.274E-12	1.28E-11	-0.22768	hypo	sig	chr13_111095768

chr16	89080652	89080652	+	1.274E-12	1.2801E-11	-0.22343	hypo	sig	chr16_89080652
chr16	88967368	88967368	+	1.275E-12	1.2805E-11	-0.22894	hypo	sig	chr16_88967368
chr18	77087279	77087279	+	1.275E-12	1.2811E-11	0.313165	hyper	sig	chr18_77087279
chr15	52783484	52783484	+	1.275E-12	1.2811E-11	0.209387	hyper	sig	chr15_52783484
chr20	22569533	22569533	+	1.276E-12	1.2818E-11	0.212088	hyper	sig	chr20_22569533
chr8	1.42E+08	142497255	+	1.277E-12	1.2827E-11	-0.27032	hypo	sig	chr8_142497255
chr6	27864133	27864133	+	1.277E-12	1.2829E-11	0.214116	hyper	sig	chr6_27864133
chr12	52965209	52965209	+	1.278E-12	1.2831E-11	0.292653	hyper	sig	chr12_52965209
chr2	74516488	74516488	+	1.278E-12	1.2835E-11	0.310874	hyper	sig	chr2_74516488
chr4	1.33E+08	133148063	+	1.278E-12	1.2835E-11	0.218084	hyper	sig	chr4_133148063
chr11	32438013	32438013	+	1.278E-12	1.2836E-11	0.225133	hyper	sig	chr11_32438013
chr6	1625149	1625149	+	1.279E-12	1.2847E-11	0.284158	hyper	sig	chr6_1625149
chr1	1.6E+08	160363217	+	1.28E-12	1.2855E-11	0.220917	hyper	sig	chr1_160363217
chr11	1.27E+08	127003533	+	1.28E-12	1.2855E-11	0.216592	hyper	sig	chr11_127003533
chr10	1.32E+08	132203209	+	1.28E-12	1.2858E-11	-0.23451	hypo	sig	chr10_132203209
chr19	46078807	46078807	+	1.281E-12	1.2859E-11	0.242497	hyper	sig	chr19_46078807
chr1	1957013	1957013	+	1.282E-12	1.2872E-11	-0.22909	hypo	sig	chr1_1957013
chr9	1.33E+08	132586900	+	1.282E-12	1.2873E-11	0.287799	hyper	sig	chr9_132586900
chr2	2.42E+08	241853130	+	1.282E-12	1.2875E-11	-0.21951	hypo	sig	chr2_241853130
chr16	88088159	88088159	+	1.283E-12	1.2882E-11	-0.2399	hypo	sig	chr16_88088159
chr14	37602064	37602064	+	1.283E-12	1.2885E-11	0.239596	hyper	sig	chr14_37602064
chr2	1.21E+08	120868034	+	1.285E-12	1.29E-11	0.246301	hyper	sig	chr2_120868034
chr11	72251425	72251425	+	1.285E-12	1.2903E-11	-0.21721	hypo	sig	chr11_72251425
chr1	1.11E+08	110675093	+	1.285E-12	1.2904E-11	0.260965	hyper	sig	chr1_110675093
chr13	83879744	83879744	+	1.286E-12	1.2908E-11	0.253161	hyper	sig	chr13_83879744
chr12	52259853	52259853	+	1.286E-12	1.2912E-11	-0.22337	hypo	sig	chr12_52259853
chr9	1.1E+08	109643231	+	1.287E-12	1.2921E-11	-0.23939	hypo	sig	chr9_109643231
chr5	1100112	1100112	+	1.287E-12	1.2924E-11	0.252283	hyper	sig	chr5_1100112
chr19	58118712	58118712	+	1.289E-12	1.2938E-11	0.281733	hyper	sig	chr19_58118712
chr12	1.03E+08	102824887	+	1.291E-12	1.2957E-11	0.257324	hyper	sig	chr12_102824887
chr4	6753285	6753285	+	1.292E-12	1.2971E-11	-0.22688	hypo	sig	chr4_6753285
chr14	53952017	53952017	+	1.293E-12	1.2975E-11	0.281818	hyper	sig	chr14_53952017
chr2	20671325	20671325	+	1.293E-12	1.2982E-11	0.302865	hyper	sig	chr2_20671325
chr11	1.2E+08	119585559	+	1.293E-12	1.2983E-11	-0.26379	hypo	sig	chr11_119585559
chr7	1.17E+08	117322855	+	1.294E-12	1.2991E-11	0.310209	hyper	sig	chr7_117322855
chr6	27545220	27545220	+	1.295E-12	1.3001E-11	0.220374	hyper	sig	chr6_27545220
chr10	1.19E+08	118596624	+	1.295E-12	1.3002E-11	0.203922	hyper	sig	chr10_118596624
chr12	6279846	6279846	+	1.297E-12	1.3013E-11	-0.24986	hypo	sig	chr12_6279846
chr10	7162157	7162157	+	1.297E-12	1.3016E-11	-0.28756	hypo	sig	chr10_7162157
chr3	1.81E+08	180590538	+	1.298E-12	1.3032E-11	-0.2086	hypo	sig	chr3_180590538
chr11	1.23E+08	122981636	+	1.299E-12	1.3033E-11	0.243949	hyper	sig	chr11_122981636
chr1	17560570	17560570	+	1.301E-12	1.3053E-11	-0.26267	hypo	sig	chr1_17560570
chr17	77373575	77373575	+	1.301E-12	1.3056E-11	0.266246	hyper	sig	chr17_77373575
chr10	1.34E+08	133528080	+	1.301E-12	1.3059E-11	0.314675	hyper	sig	chr10_133528080
chr7	1235878	1235878	+	1.301E-12	1.3059E-11	0.293918	hyper	sig	chr7_1235878
chr2	2.06E+08	206444117	+	1.302E-12	1.3065E-11	0.224854	hyper	sig	chr2_206444117
chr11	19346149	19346149	+	1.302E-12	1.3067E-11	0.226892	hyper	sig	chr11_19346149
chr9	97852854	97852854	+	1.302E-12	1.3068E-11	0.247253	hyper	sig	chr9_97852854
chr19	584348	584348	+	1.303E-12	1.3075E-11	0.262329	hyper	sig	chr19_584348
chr18	52340717	52340717	+	1.305E-12	1.3091E-11	0.326738	hyper	sig	chr18_52340717
chr8	31639063	31639063	+	1.306E-12	1.3101E-11	0.295704	hyper	sig	chr8_31639063
chr21	45534177	45534177	+	1.306E-12	1.3102E-11	0.244831	hyper	sig	chr21_45534177
chr16	4664150	4664150	+	1.307E-12	1.3113E-11	-0.21125	hypo	sig	chr16_4664150
chr5	1.41E+08	141235935	+	1.309E-12	1.3132E-11	0.257259	hyper	sig	chr5_141235935
chr10	1.33E+08	133106968	+	1.309E-12	1.3132E-11	-0.24163	hypo	sig	chr10_133106968
chr13	23945870	23945870	+	1.309E-12	1.3132E-11	0.209882	hyper	sig	chr13_23945870

chr7	39855068	39855068	+	1.309E-12	1.3137E-11	0.234951	hyper	sig	chr7_39855068
chr12	1.32E+08	132282855	+	1.31E-12	1.3139E-11	-0.25379	hypo	sig	chr12_132282855
chr5	1.78E+08	178337294	+	1.31E-12	1.3141E-11	0.237311	hyper	sig	chr5_178337294
chr10	1.32E+08	132232562	+	1.311E-12	1.3148E-11	-0.223	hypo	sig	chr10_132232562
chr1	1.55E+08	154861869	+	1.311E-12	1.3155E-11	-0.27886	hypo	sig	chr1_154861869
chr2	23524224	23524224	+	1.312E-12	1.3163E-11	0.211365	hyper	sig	chr2_23524224
chr2	88451833	88451833	+	1.313E-12	1.3172E-11	0.321196	hyper	sig	chr2_88451833
chr13	52405626	52405626	+	1.314E-12	1.318E-11	0.236265	hyper	sig	chr13_52405626
chr3	1.28E+08	128492293	+	1.314E-12	1.318E-11	0.243557	hyper	sig	chr3_128492293
chr19	46293160	46293160	+	1.314E-12	1.3186E-11	-0.33184	hypo	sig	chr19_46293160
chr4	6664332	6664332	+	1.315E-12	1.3195E-11	0.2701	hyper	sig	chr4_6664332
chr21	44921389	44921389	+	1.316E-12	1.3196E-11	-0.34033	hypo	sig	chr21_44921389
chr1	1.8E+08	179589087	+	1.316E-12	1.32E-11	-0.25175	hypo	sig	chr1_179589087
chr1	1.55E+08	155062054	+	1.316E-12	1.3202E-11	0.243886	hyper	sig	chr1_155062054
chr8	53882755	53882755	+	1.318E-12	1.3217E-11	0.314953	hyper	sig	chr8_53882755
chr7	15687502	15687502	+	1.318E-12	1.3222E-11	0.246891	hyper	sig	chr7_15687502
chr4	912640	912640	+	1.318E-12	1.3222E-11	-0.22801	hypo	sig	chr4_912640
chr22	22520244	22520244	+	1.319E-12	1.3226E-11	-0.22636	hypo	sig	chr22_22520244
chr8	1.45E+08	144714024	+	1.319E-12	1.3229E-11	0.311342	hyper	sig	chr8_144714024
chr1	94540895	94540895	+	1.319E-12	1.3229E-11	-0.20828	hypo	sig	chr1_94540895
chr6	1.7E+08	170229549	+	1.319E-12	1.323E-11	-0.23611	hypo	sig	chr6_170229549
chr15	24101797	24101797	+	1.321E-12	1.3243E-11	0.220024	hyper	sig	chr15_24101797
chr19	1523071	1523071	+	1.323E-12	1.3264E-11	-0.26044	hypo	sig	chr19_1523071
chr14	51752212	51752212	+	1.324E-12	1.3272E-11	-0.24812	hypo	sig	chr14_51752212
chr7	1455647	1455647	+	1.324E-12	1.328E-11	-0.2524	hypo	sig	chr7_1455647
chr12	1.32E+08	132062183	+	1.324E-12	1.3281E-11	0.205946	hyper	sig	chr12_132062183
chr7	27110747	27110747	+	1.325E-12	1.3285E-11	0.219533	hyper	sig	chr7_27110747
chr22	39646647	39646647	+	1.325E-12	1.3287E-11	-0.2362	hypo	sig	chr22_39646647
chr10	90857248	90857248	+	1.326E-12	1.3295E-11	0.294247	hyper	sig	chr10_90857248
chr4	61200189	61200189	+	1.328E-12	1.3311E-11	0.272399	hyper	sig	chr4_61200189
chr9	1.31E+08	130885142	+	1.328E-12	1.3317E-11	0.247725	hyper	sig	chr9_130885142
chr20	9838700	9838700	+	1.328E-12	1.3318E-11	0.340444	hyper	sig	chr20_9838700
chr10	683918	683918	+	1.33E-12	1.3339E-11	0.205588	hyper	sig	chr10_683918
chr1	2.1E+08	210252448	+	1.333E-12	1.3361E-11	-0.25415	hypo	sig	chr1_210252448
chr6	1.7E+08	170156038	+	1.333E-12	1.3361E-11	0.21404	hyper	sig	chr6_170156038
chr2	1.2E+08	120254065	+	1.333E-12	1.3365E-11	-0.233	hypo	sig	chr2_120254065
chr10	1.02E+08	102399933	+	1.333E-12	1.3366E-11	0.20177	hyper	sig	chr10_102399933
chr2	9212874	9212874	+	1.334E-12	1.3377E-11	-0.22593	hypo	sig	chr2_9212874
chr17	74671057	74671057	+	1.335E-12	1.338E-11	0.223435	hyper	sig	chr17_74671057
chr19	35678431	35678431	+	1.335E-12	1.3386E-11	-0.29532	hypo	sig	chr19_35678431
chr3	25573139	25573139	+	1.337E-12	1.3401E-11	-0.25847	hypo	sig	chr3_25573139
chr7	57204211	57204211	+	1.338E-12	1.3409E-11	-0.27653	hypo	sig	chr7_57204211
chr19	53993099	53993099	+	1.338E-12	1.3409E-11	0.207424	hyper	sig	chr19_53993099
chr1	1.68E+08	168121786	+	1.338E-12	1.3414E-11	0.237983	hyper	sig	chr1_168121786
chr4	6663945	6663945	+	1.339E-12	1.3421E-11	0.271143	hyper	sig	chr4_6663945
chr10	1.1E+08	110300714	+	1.34E-12	1.3429E-11	0.209035	hyper	sig	chr10_110300714
chr1	3227236	3227236	+	1.341E-12	1.3435E-11	0.214772	hyper	sig	chr1_3227236
chr9	1.22E+08	121771652	+	1.341E-12	1.3438E-11	0.294388	hyper	sig	chr9_121771652
chr2	45010586	45010586	+	1.341E-12	1.3444E-11	0.227791	hyper	sig	chr2_45010586
chr1	1.11E+08	110674887	+	1.342E-12	1.3445E-11	0.302228	hyper	sig	chr1_110674887
chr6	70609221	70609221	+	1.343E-12	1.3459E-11	-0.21784	hypo	sig	chr6_70609221
chr4	1.21E+08	121380418	+	1.344E-12	1.3465E-11	0.251379	hyper	sig	chr4_121380418
chr2	2.39E+08	239477435	+	1.344E-12	1.3469E-11	-0.20056	hypo	sig	chr2_239477435
chr7	1.29E+08	128790601	+	1.344E-12	1.3471E-11	0.210853	hyper	sig	chr7_128790601
chr1	2.28E+08	227944371	+	1.345E-12	1.3481E-11	0.354642	hyper	sig	chr1_227944371
chr11	1.17E+08	116511957	+	1.349E-12	1.3519E-11	-0.20612	hypo	sig	chr11_116511957

chr1	92487340	92487340	+	1.349E-12	1.352E-11	-0.20602	hypo	sig	chr1_92487340
chr9	1.33E+08	133274632	+	1.35E-12	1.3524E-11	-0.25655	hypo	sig	chr9_133274632
chr17	48551313	48551313	+	1.351E-12	1.3539E-11	0.29758	hyper	sig	chr17_48551313
chr12	54029759	54029759	+	1.353E-12	1.3555E-11	0.203867	hyper	sig	chr12_54029759
chr3	1.36E+08	135965319	+	1.353E-12	1.3555E-11	0.200644	hyper	sig	chr3_135965319
chr9	1.33E+08	132806450	+	1.354E-12	1.3563E-11	0.213785	hyper	sig	chr9_132806450
chr5	1409762	1409762	+	1.354E-12	1.3567E-11	0.243723	hyper	sig	chr5_1409762
chr11	86195289	86195289	+	1.355E-12	1.3573E-11	-0.20797	hypo	sig	chr11_86195289
chr2	2.4E+08	240144452	+	1.355E-12	1.3573E-11	-0.23982	hypo	sig	chr2_240144452
chr15	94856777	94856777	+	1.355E-12	1.3576E-11	-0.30748	hypo	sig	chr15_94856777
chr8	753701	753701	+	1.356E-12	1.3582E-11	-0.2538	hypo	sig	chr8_753701
chr2	1.84E+08	183546969	+	1.356E-12	1.3588E-11	-0.26726	hypo	sig	chr2_183546969
chr11	31797282	31797282	+	1.357E-12	1.3598E-11	0.253407	hyper	sig	chr11_31797282
chr19	1399218	1399218	+	1.36E-12	1.362E-11	-0.24062	hypo	sig	chr19_1399218
chr9	1.36E+08	136356337	+	1.362E-12	1.3638E-11	-0.24379	hypo	sig	chr9_136356337
chr9	97222637	97222637	+	1.362E-12	1.3643E-11	0.217233	hyper	sig	chr9_97222637
chr12	52585823	52585823	+	1.363E-12	1.3648E-11	-0.2328	hypo	sig	chr12_52585823
chr17	78175082	78175082	+	1.364E-12	1.366E-11	-0.30254	hypo	sig	chr17_78175082
chr6	1.68E+08	168132722	+	1.364E-12	1.3662E-11	-0.21219	hypo	sig	chr6_168132722
chr22	46614569	46614569	+	1.365E-12	1.3671E-11	-0.22829	hypo	sig	chr22_46614569
chr1	1.61E+08	161428077	+	1.365E-12	1.3672E-11	0.228975	hyper	sig	chr1_161428077
chr19	41328068	41328068	+	1.366E-12	1.3677E-11	-0.21387	hypo	sig	chr19_41328068
chr16	89316490	89316490	+	1.366E-12	1.3683E-11	-0.22823	hypo	sig	chr16_89316490
chr8	22224553	22224553	+	1.366E-12	1.3684E-11	0.218055	hyper	sig	chr8_22224553
chr3	64267946	64267946	+	1.367E-12	1.3688E-11	0.202075	hyper	sig	chr3_64267946
chr8	56117987	56117987	+	1.368E-12	1.37E-11	0.231806	hyper	sig	chr8_56117987
chr4	1.87E+08	186708342	+	1.368E-12	1.3701E-11	-0.20346	hypo	sig	chr4_186708342
chr17	304644	304644	+	1.368E-12	1.3704E-11	0.218211	hyper	sig	chr17_304644
chr19	36331773	36331773	+	1.369E-12	1.3705E-11	0.224449	hyper	sig	chr19_36331773
chr22	46076704	46076704	+	1.369E-12	1.3709E-11	-0.20952	hypo	sig	chr22_46076704
chr17	49965493	49965493	+	1.369E-12	1.371E-11	0.24595	hyper	sig	chr17_49965493
chr11	2826395	2826395	+	1.369E-12	1.371E-11	0.236616	hyper	sig	chr11_2826395
chr10	25935087	25935087	+	1.37E-12	1.3719E-11	0.204685	hyper	sig	chr10_25935087
chr18	59305798	59305798	+	1.372E-12	1.3738E-11	-0.26727	hypo	sig	chr18_59305798
chr8	1.44E+08	143718831	+	1.372E-12	1.374E-11	-0.25724	hypo	sig	chr8_143718831
chr13	1.11E+08	111052092	+	1.373E-12	1.375E-11	-0.23537	hypo	sig	chr13_111052092
chr22	18998186	18998186	+	1.374E-12	1.3754E-11	0.236252	hyper	sig	chr22_18998186
chr13	1.13E+08	113491846	+	1.375E-12	1.3765E-11	0.236237	hyper	sig	chr13_113491846
chr6	33167050	33167050	+	1.375E-12	1.3767E-11	-0.21418	hypo	sig	chr6_33167050
chr10	1.04E+08	103661038	+	1.375E-12	1.3767E-11	0.23845	hyper	sig	chr10_103661038
chr5	1.15E+08	114704528	+	1.376E-12	1.3772E-11	-0.22112	hypo	sig	chr5_114704528
chr19	14085806	14085806	+	1.376E-12	1.3776E-11	0.3322	hyper	sig	chr19_14085806
chr11	1.23E+08	123304984	+	1.378E-12	1.3792E-11	-0.25253	hypo	sig	chr11_123304984
chr1	9654277	9654277	+	1.378E-12	1.3792E-11	-0.24896	hypo	sig	chr1_9654277
chr17	44384892	44384892	+	1.378E-12	1.3793E-11	0.269118	hyper	sig	chr17_44384892
chr7	1.06E+08	105639051	+	1.379E-12	1.3809E-11	0.215631	hyper	sig	chr7_105639051
chr10	70603410	70603410	+	1.38E-12	1.3813E-11	-0.269	hypo	sig	chr10_70603410
chr5	51377896	51377896	+	1.381E-12	1.3822E-11	0.219513	hyper	sig	chr5_51377896
chr20	58465007	58465007	+	1.381E-12	1.3822E-11	-0.26566	hypo	sig	chr20_58465007
chr12	6142254	6142254	+	1.383E-12	1.384E-11	-0.24718	hypo	sig	chr12_6142254
chr2	1.3E+08	129587513	+	1.383E-12	1.384E-11	0.273883	hyper	sig	chr2_129587513
chr8	70072091	70072091	+	1.383E-12	1.3841E-11	0.269588	hyper	sig	chr8_70072091
chr2	11656932	11656932	+	1.383E-12	1.3843E-11	-0.27442	hypo	sig	chr2_11656932
chr4	3375905	3375905	+	1.383E-12	1.3846E-11	0.278557	hyper	sig	chr4_3375905
chr1	2.28E+08	228465300	+	1.383E-12	1.3846E-11	0.271835	hyper	sig	chr1_228465300
chr3	62377341	62377341	+	1.384E-12	1.3849E-11	0.272627	hyper	sig	chr3_62377341

chr1	3078811	3078811	+	1.385E-12	1.3863E-11	-0.23498	hypo	sig	chr1_3078811
chr14	93957016	93957016	+	1.385E-12	1.3864E-11	0.224122	hyper	sig	chr14_93957016
chr17	438979	438979	+	1.385E-12	1.3865E-11	-0.26278	hypo	sig	chr17_438979
chr2	1.06E+08	106342949	+	1.386E-12	1.3869E-11	-0.2571	hypo	sig	chr2_106342949
chr7	1505771	1505771	+	1.387E-12	1.3881E-11	-0.21634	hypo	sig	chr7_1505771
chr1	2.08E+08	208030717	+	1.387E-12	1.3886E-11	0.241071	hyper	sig	chr1_208030717
chr5	38846356	38846356	+	1.389E-12	1.3899E-11	0.224962	hyper	sig	chr5_38846356
chr16	533771	533771	+	1.389E-12	1.3903E-11	-0.23373	hypo	sig	chr16_533771
chr7	24978929	24978929	+	1.39E-12	1.3906E-11	-0.20473	hypo	sig	chr7_24978929
chr10	1.33E+08	133083307	+	1.39E-12	1.3907E-11	0.310004	hyper	sig	chr10_133083307
chr1	3186443	3186443	+	1.39E-12	1.3908E-11	0.264566	hyper	sig	chr1_3186443
chr10	25934079	25934079	+	1.391E-12	1.3922E-11	0.262716	hyper	sig	chr10_25934079
chr17	75587923	75587923	+	1.391E-12	1.3924E-11	0.208166	hyper	sig	chr17_75587923
chr17	79988441	79988441	+	1.392E-12	1.3933E-11	-0.23045	hypo	sig	chr17_79988441
chr19	41904260	41904260	+	1.392E-12	1.3934E-11	-0.24271	hypo	sig	chr19_41904260
chr8	57143379	57143379	+	1.393E-12	1.3936E-11	0.304288	hyper	sig	chr8_57143379
chr5	88660098	88660098	+	1.393E-12	1.394E-11	0.283948	hyper	sig	chr5_88660098
chr1	81802906	81802906	+	1.393E-12	1.3943E-11	0.215118	hyper	sig	chr1_81802906
chr19	8133020	8133020	+	1.393E-12	1.3943E-11	-0.28169	hypo	sig	chr19_8133020
chr19	33772975	33772975	+	1.394E-12	1.3951E-11	-0.23888	hypo	sig	chr19_33772975
chr3	1.57E+08	157120444	+	1.394E-12	1.3951E-11	-0.21923	hypo	sig	chr3_157120444
chr6	1.66E+08	166446236	+	1.395E-12	1.3954E-11	0.203545	hyper	sig	chr6_166446236
chr12	5827875	5827875	+	1.395E-12	1.3959E-11	0.236491	hyper	sig	chr12_5827875
chr1	11701724	11701724	+	1.395E-12	1.3961E-11	0.239871	hyper	sig	chr1_11701724
chr3	52065532	52065532	+	1.396E-12	1.3963E-11	-0.24808	hypo	sig	chr3_52065532
chr11	45209276	45209276	+	1.396E-12	1.3963E-11	0.225756	hyper	sig	chr11_45209276
chr16	55330978	55330978	+	1.398E-12	1.3988E-11	0.259829	hyper	sig	chr16_55330978
chr7	55449439	55449439	+	1.4E-12	1.4011E-11	0.265062	hyper	sig	chr7_55449439
chr16	67163607	67163607	+	1.403E-12	1.4033E-11	0.310277	hyper	sig	chr16_67163607
chr4	84495767	84495767	+	1.403E-12	1.404E-11	0.23394	hyper	sig	chr4_84495767
chr12	1.04E+08	104216217	+	1.404E-12	1.4042E-11	0.202044	hyper	sig	chr12_104216217
chr5	3116686	3116686	+	1.404E-12	1.4046E-11	0.210503	hyper	sig	chr5_3116686
chr5	32709125	32709125	+	1.405E-12	1.4053E-11	-0.20922	hypo	sig	chr5_32709125
chr5	1.54E+08	154474248	+	1.406E-12	1.4062E-11	0.243526	hyper	sig	chr5_154474248
chr3	26622888	26622888	+	1.406E-12	1.4065E-11	0.24835	hyper	sig	chr3_26622888
chr19	10339409	10339409	+	1.406E-12	1.4065E-11	-0.27445	hypo	sig	chr19_10339409
chr1	1.78E+08	178037294	+	1.406E-12	1.4066E-11	-0.22735	hypo	sig	chr1_178037294
chr12	1.32E+08	132319747	+	1.409E-12	1.4094E-11	-0.22644	hypo	sig	chr12_132319747
chr15	65332929	65332929	+	1.41E-12	1.4099E-11	-0.31413	hypo	sig	chr15_65332929
chr20	9514766	9514766	+	1.41E-12	1.41E-11	0.218196	hyper	sig	chr20_9514766
chr1	10649167	10649167	+	1.41E-12	1.4102E-11	0.203243	hyper	sig	chr1_10649167
chr19	58367789	58367789	+	1.41E-12	1.4103E-11	0.308295	hyper	sig	chr19_58367789
chr19	39265608	39265608	+	1.411E-12	1.4109E-11	0.31844	hyper	sig	chr19_39265608
chr6	25882331	25882331	+	1.411E-12	1.411E-11	0.222279	hyper	sig	chr6_25882331
chr8	21902160	21902160	+	1.412E-12	1.4119E-11	-0.21378	hypo	sig	chr8_21902160
chr12	53985291	53985291	+	1.412E-12	1.4123E-11	0.265201	hyper	sig	chr12_53985291
chr6	37649063	37649063	+	1.413E-12	1.4133E-11	0.282337	hyper	sig	chr6_37649063
chr8	57143666	57143666	+	1.416E-12	1.4165E-11	0.277602	hyper	sig	chr8_57143666
chr3	49718943	49718943	+	1.419E-12	1.4186E-11	0.248474	hyper	sig	chr3_49718943
chr22	46686040	46686040	+	1.419E-12	1.4187E-11	-0.22575	hypo	sig	chr22_46686040
chr17	44382945	44382945	+	1.419E-12	1.4191E-11	-0.26562	hypo	sig	chr17_44382945
chr5	2103323	2103323	+	1.419E-12	1.4191E-11	-0.24822	hypo	sig	chr5_2103323
chr11	6571146	6571146	+	1.42E-12	1.4195E-11	0.2929	hyper	sig	chr11_6571146
chr6	30111325	30111325	+	1.421E-12	1.4205E-11	-0.29288	hypo	sig	chr6_30111325
chr14	36504182	36504182	+	1.422E-12	1.422E-11	0.2234	hyper	sig	chr14_36504182
chr7	1.35E+08	135246757	+	1.423E-12	1.4232E-11	-0.21579	hypo	sig	chr7_135246757

chr14	64539211	64539211	+	1.425E-12	1.4248E-11	-0.23314	hypo	sig	chr14_64539211
chr1	3658573	3658573	+	1.425E-12	1.4251E-11	0.223107	hyper	sig	chr1_3658573
chr7	74258610	74258610	+	1.426E-12	1.426E-11	-0.21347	hypo	sig	chr7_74258610
chr20	22582126	22582126	+	1.427E-12	1.4264E-11	0.269566	hyper	sig	chr20_22582126
chr2	2.32E+08	231514954	+	1.427E-12	1.4267E-11	0.204107	hyper	sig	chr2_231514954
chr16	84527344	84527344	+	1.427E-12	1.427E-11	0.20013	hyper	sig	chr16_84527344
chr16	67163150	67163150	+	1.428E-12	1.4274E-11	0.269634	hyper	sig	chr16_67163150
chr1	6466083	6466083	+	1.428E-12	1.4277E-11	0.225659	hyper	sig	chr1_6466083
chr7	1.33E+08	132581662	+	1.429E-12	1.4281E-11	-0.24805	hypo	sig	chr7_132581662
chr16	29154690	29154690	+	1.429E-12	1.4281E-11	0.25475	hyper	sig	chr16_29154690
chr4	1510542	1510542	+	1.429E-12	1.4282E-11	-0.25294	hypo	sig	chr4_1510542
chr14	47675888	47675888	+	1.43E-12	1.429E-11	0.279817	hyper	sig	chr14_47675888
chr2	1.27E+08	126774763	+	1.43E-12	1.429E-11	-0.23048	hypo	sig	chr2_126774763
chr1	90717494	90717494	+	1.43E-12	1.4291E-11	0.289519	hyper	sig	chr1_90717494
chr7	1.55E+08	155491660	+	1.43E-12	1.4291E-11	0.21733	hyper	sig	chr7_155491660
chr16	30821502	30821502	+	1.43E-12	1.4292E-11	-0.22984	hypo	sig	chr16_30821502
chr6	1.08E+08	108166246	+	1.43E-12	1.4293E-11	0.31227	hyper	sig	chr6_108166246
chr14	74501549	74501549	+	1.43E-12	1.4296E-11	0.228988	hyper	sig	chr14_74501549
chr16	89202408	89202408	+	1.43E-12	1.4298E-11	0.209454	hyper	sig	chr16_89202408
chr22	36703092	36703092	+	1.431E-12	1.43E-11	0.256158	hyper	sig	chr22_36703092
chr6	1601406	1601406	+	1.432E-12	1.4309E-11	-0.25576	hypo	sig	chr6_1601406
chr6	1E+08	100466730	+	1.432E-12	1.4312E-11	0.249974	hyper	sig	chr6_100466730
chr19	15233325	15233325	+	1.432E-12	1.4316E-11	0.25446	hyper	sig	chr19_15233325
chr3	6861483	6861483	+	1.433E-12	1.4326E-11	0.257927	hyper	sig	chr3_6861483
chr20	62560973	62560973	+	1.435E-12	1.4337E-11	-0.2298	hypo	sig	chr20_62560973
chr8	54454968	54454968	+	1.435E-12	1.4343E-11	0.202455	hyper	sig	chr8_54454968
chr7	1.58E+08	157675857	+	1.436E-12	1.4349E-11	-0.39306	hypo	sig	chr7_157675857
chr2	47889	47889	+	1.436E-12	1.4349E-11	-0.23483	hypo	sig	chr2_47889
chr11	1.15E+08	115154287	+	1.436E-12	1.4354E-11	-0.26973	hypo	sig	chr11_115154287
chr17	8466686	8466686	+	1.437E-12	1.4357E-11	0.241625	hyper	sig	chr17_8466686
chr8	70072682	70072682	+	1.437E-12	1.4359E-11	0.232078	hyper	sig	chr8_70072682
chr22	39999290	39999290	+	1.438E-12	1.4365E-11	-0.20535	hypo	sig	chr22_39999290
chr16	54282075	54282075	+	1.438E-12	1.4367E-11	0.259798	hyper	sig	chr16_54282075
chr13	99991787	99991787	+	1.438E-12	1.437E-11	0.224317	hyper	sig	chr13_99991787
chr11	67727191	67727191	+	1.438E-12	1.4371E-11	-0.31046	hypo	sig	chr11_67727191
chr10	1.33E+08	133029480	+	1.439E-12	1.4376E-11	-0.22464	hypo	sig	chr10_133029480
chr7	1.56E+08	155576719	+	1.439E-12	1.4376E-11	-0.25321	hypo	sig	chr7_155576719
chr8	1.44E+08	143974251	+	1.44E-12	1.4387E-11	0.211756	hyper	sig	chr8_143974251
chr7	97022515	97022515	+	1.44E-12	1.439E-11	0.338414	hyper	sig	chr7_97022515
chr14	22796192	22796192	+	1.441E-12	1.4393E-11	-0.21119	hypo	sig	chr14_22796192
chr1	7070049	7070049	+	1.441E-12	1.4396E-11	0.228181	hyper	sig	chr1_7070049
chr16	85652424	85652424	+	1.441E-12	1.4399E-11	0.30965	hyper	sig	chr16_85652424
chr16	3029849	3029849	+	1.443E-12	1.4417E-11	0.240696	hyper	sig	chr16_3029849
chr11	64556010	64556010	+	1.443E-12	1.442E-11	-0.21157	hypo	sig	chr11_64556010
chr2	1.05E+08	105119168	+	1.443E-12	1.442E-11	0.267154	hyper	sig	chr2_105119168
chr8	41648177	41648177	+	1.444E-12	1.4424E-11	-0.21551	hypo	sig	chr8_41648177
chr16	88908530	88908530	+	1.446E-12	1.4445E-11	-0.28184	hypo	sig	chr16_88908530
chr1	2428622	2428622	+	1.446E-12	1.4446E-11	-0.21027	hypo	sig	chr1_2428622
chr1	34793189	34793189	+	1.446E-12	1.4449E-11	0.271399	hyper	sig	chr1_34793189
chr18	59274526	59274526	+	1.447E-12	1.4452E-11	0.314547	hyper	sig	chr18_59274526
chr6	98832374	98832374	+	1.447E-12	1.4457E-11	0.205442	hyper	sig	chr6_98832374
chr3	62379094	62379094	+	1.448E-12	1.4459E-11	0.237088	hyper	sig	chr3_62379094
chr12	1.2E+08	120397971	+	1.448E-12	1.4461E-11	0.202485	hyper	sig	chr12_120397971
chr3	45035834	45035834	+	1.448E-12	1.4461E-11	0.213685	hyper	sig	chr3_45035834
chr19	15181820	15181820	+	1.448E-12	1.4467E-11	-0.26898	hypo	sig	chr19_15181820
chr16	86511237	86511237	+	1.45E-12	1.4478E-11	0.200574	hyper	sig	chr16_86511237

chr19	58118861	58118861	+	1.45E-12	1.4479E-11	0.249453	hyper	sig	chr19_58118861
chr3	63278573	63278573	+	1.451E-12	1.4493E-11	0.346427	hyper	sig	chr3_63278573
chr16	972705	972705	+	1.452E-12	1.4505E-11	-0.23909	hypo	sig	chr16_972705
chr3	13622077	13622077	+	1.453E-12	1.4511E-11	-0.22512	hypo	sig	chr3_13622077
chr3	1.2E+08	119810299	+	1.453E-12	1.4513E-11	0.219056	hyper	sig	chr3_119810299
chr7	794819	794819	+	1.455E-12	1.4532E-11	-0.22282	hypo	sig	chr7_794819
chr7	4971772	4971772	+	1.455E-12	1.4532E-11	-0.29417	hypo	sig	chr7_4971772
chr12	7872937	7872937	+	1.455E-12	1.4534E-11	0.214347	hyper	sig	chr12_7872937
chr5	1.41E+08	141399840	+	1.455E-12	1.4534E-11	0.210131	hyper	sig	chr5_141399840
chr10	1.23E+08	123274446	+	1.456E-12	1.4542E-11	0.248909	hyper	sig	chr10_123274446
chr16	30474254	30474254	+	1.456E-12	1.4544E-11	0.284616	hyper	sig	chr16_30474254
chr17	21452782	21452782	+	1.457E-12	1.4553E-11	0.206674	hyper	sig	chr17_21452782
chr5	17670232	17670232	+	1.458E-12	1.4555E-11	-0.20466	hypo	sig	chr5_17670232
chr1	2.28E+08	228104015	+	1.458E-12	1.4559E-11	0.226607	hyper	sig	chr1_228104015
chr13	1.13E+08	113149097	+	1.459E-12	1.4573E-11	-0.24881	hypo	sig	chr13_113149097
chr16	55190262	55190262	+	1.461E-12	1.4593E-11	0.225178	hyper	sig	chr16_55190262
chr2	2.4E+08	239829502	+	1.462E-12	1.4596E-11	-0.24055	hypo	sig	chr2_239829502
chr11	22342871	22342871	+	1.462E-12	1.4597E-11	0.218913	hyper	sig	chr11_22342871
chr1	2.04E+08	204360030	+	1.463E-12	1.4604E-11	0.206917	hyper	sig	chr1_204360030
chr3	38642156	38642156	+	1.464E-12	1.4619E-11	-0.21736	hypo	sig	chr3_38642156
chr19	542017	542017	+	1.466E-12	1.4635E-11	0.232229	hyper	sig	chr19_542017
chr5	320741	320741	+	1.466E-12	1.4636E-11	0.241206	hyper	sig	chr5_320741
chr13	1.1E+08	110475700	+	1.467E-12	1.4642E-11	-0.23354	hypo	sig	chr13_110475700
chr20	38725057	38725057	+	1.467E-12	1.4646E-11	0.241467	hyper	sig	chr20_38725057
chr3	1.41E+08	141100823	+	1.467E-12	1.4649E-11	-0.31425	hypo	sig	chr3_141100823
chr1	50417664	50417664	+	1.469E-12	1.4664E-11	0.20091	hyper	sig	chr1_50417664
chr20	63400571	63400571	+	1.469E-12	1.4665E-11	-0.22097	hypo	sig	chr20_63400571
chr1	1.19E+08	118983880	+	1.47E-12	1.4675E-11	0.310387	hyper	sig	chr1_118983880
chr9	1.33E+08	133334275	+	1.471E-12	1.4683E-11	-0.24256	hypo	sig	chr9_133334275
chr8	377719	377719	+	1.471E-12	1.4687E-11	0.280871	hyper	sig	chr8_377719
chr2	89610206	89610206	+	1.472E-12	1.4693E-11	-0.25705	hypo	sig	chr2_89610206
chr19	54938095	54938095	+	1.473E-12	1.4699E-11	-0.23095	hypo	sig	chr19_54938095
chr17	17738933	17738933	+	1.473E-12	1.4699E-11	0.204943	hyper	sig	chr17_17738933
chr10	1.01E+08	100829828	+	1.473E-12	1.4701E-11	0.224406	hyper	sig	chr10_100829828
chr3	1.26E+08	126416368	+	1.473E-12	1.4701E-11	0.276057	hyper	sig	chr3_126416368
chr6	1.6E+08	160090864	+	1.473E-12	1.4703E-11	-0.29282	hypo	sig	chr6_160090864
chr3	25428375	25428375	+	1.474E-12	1.4708E-11	0.20234	hyper	sig	chr3_25428375
chr3	37994063	37994063	+	1.476E-12	1.4726E-11	0.285264	hyper	sig	chr3_37994063
chr19	12155657	12155657	+	1.476E-12	1.4729E-11	0.248479	hyper	sig	chr19_12155657
chr19	1450387	1450387	+	1.476E-12	1.4729E-11	0.21814	hyper	sig	chr19_1450387
chr17	35498475	35498475	+	1.477E-12	1.4735E-11	0.304394	hyper	sig	chr17_35498475
chr4	54103411	54103411	+	1.478E-12	1.4745E-11	0.234199	hyper	sig	chr4_54103411
chr12	34358951	34358951	+	1.478E-12	1.4745E-11	-0.26749	hypo	sig	chr12_34358951
chr1	1.21E+08	121118290	+	1.478E-12	1.4745E-11	0.25876	hyper	sig	chr1_121118290
chr2	66426915	66426915	+	1.478E-12	1.4749E-11	0.214126	hyper	sig	chr2_66426915
chr19	45935407	45935407	+	1.479E-12	1.4756E-11	-0.23813	hypo	sig	chr19_45935407
chr13	1.14E+08	114131139	+	1.479E-12	1.4763E-11	0.291124	hyper	sig	chr13_114131139
chr3	62369719	62369719	+	1.481E-12	1.4777E-11	0.27595	hyper	sig	chr3_62369719
chr2	66583419	66583419	+	1.482E-12	1.4784E-11	0.200945	hyper	sig	chr2_66583419
chr16	67884127	67884127	+	1.482E-12	1.4787E-11	0.21083	hyper	sig	chr16_67884127
chr3	1.88E+08	187669946	+	1.482E-12	1.4789E-11	0.224673	hyper	sig	chr3_187669946
chr11	3232676	3232676	+	1.484E-12	1.4809E-11	0.227903	hyper	sig	chr11_3232676
chr6	10389817	10389817	+	1.485E-12	1.4814E-11	0.252557	hyper	sig	chr6_10389817
chr12	51389609	51389609	+	1.485E-12	1.4817E-11	-0.24953	hypo	sig	chr12_51389609
chr2	1.63E+08	163348319	+	1.486E-12	1.4829E-11	0.267352	hyper	sig	chr2_163348319
chr5	1.41E+08	140788092	+	1.487E-12	1.4837E-11	0.225992	hyper	sig	chr5_140788092

chr8	23225780	23225780	+	1.488E-12	1.4842E-11	-0.27562	hypo	sig	chr8_23225780
chr5	71719605	71719605	+	1.488E-12	1.4846E-11	0.274597	hyper	sig	chr5_71719605
chr1	16227690	16227690	+	1.488E-12	1.4847E-11	0.238413	hyper	sig	chr1_16227690
chr11	31800042	31800042	+	1.489E-12	1.4851E-11	0.301618	hyper	sig	chr11_31800042
chr22	36567018	36567018	+	1.489E-12	1.4856E-11	-0.28303	hypo	sig	chr22_36567018
chr19	35312412	35312412	+	1.489E-12	1.4857E-11	-0.22486	hypo	sig	chr19_35312412
chr4	7919216	7919216	+	1.493E-12	1.489E-11	0.202359	hyper	sig	chr4_7919216
chr7	1.51E+08	151013359	+	1.493E-12	1.4892E-11	0.221783	hyper	sig	chr7_151013359
chr9	1.37E+08	137446340	+	1.494E-12	1.4896E-11	-0.23877	hypo	sig	chr9_137446340
chr1	2428631	2428631	+	1.494E-12	1.4896E-11	-0.23317	hypo	sig	chr1_2428631
chr7	1386232	1386232	+	1.494E-12	1.4898E-11	-0.21332	hypo	sig	chr7_1386232
chr3	27728618	27728618	+	1.495E-12	1.4913E-11	0.206908	hyper	sig	chr3_27728618
chr14	1.01E+08	101065017	+	1.496E-12	1.4917E-11	-0.2039	hypo	sig	chr14_101065017
chr11	70662078	70662078	+	1.496E-12	1.4918E-11	0.254364	hyper	sig	chr11_70662078
chr3	50372453	50372453	+	1.496E-12	1.4919E-11	-0.21506	hypo	sig	chr3_50372453
chr1	38476719	38476719	+	1.496E-12	1.4922E-11	0.266085	hyper	sig	chr1_38476719
chr9	14993665	14993665	+	1.497E-12	1.4926E-11	0.30488	hyper	sig	chr9_14993665
chr17	42785312	42785312	+	1.498E-12	1.4942E-11	0.268079	hyper	sig	chr17_42785312
chr15	28832116	28832116	+	1.499E-12	1.495E-11	0.225759	hyper	sig	chr15_28832116
chr19	29528814	29528814	+	1.499E-12	1.4951E-11	0.232087	hyper	sig	chr19_29528814
chr19	6358317	6358317	+	1.5E-12	1.4958E-11	-0.2438	hypo	sig	chr19_6358317
chr17	39165289	39165289	+	1.501E-12	1.4967E-11	0.308839	hyper	sig	chr17_39165289
chr10	22476068	22476068	+	1.501E-12	1.497E-11	0.217584	hyper	sig	chr10_22476068
chr16	66379107	66379107	+	1.502E-12	1.4975E-11	-0.20716	hypo	sig	chr16_66379107
chr2	1.13E+08	112647074	+	1.502E-12	1.4979E-11	-0.22261	hypo	sig	chr2_112647074
chr15	55588964	55588964	+	1.503E-12	1.4983E-11	0.231603	hyper	sig	chr15_55588964
chr17	28467922	28467922	+	1.504E-12	1.4996E-11	-0.25244	hypo	sig	chr17_28467922
chr10	1.01E+08	101139442	+	1.504E-12	1.4997E-11	0.328917	hyper	sig	chr10_101139442
chr12	63843424	63843424	+	1.505E-12	1.5002E-11	0.210921	hyper	sig	chr12_63843424
chr7	6663966	6663966	+	1.505E-12	1.5003E-11	0.217228	hyper	sig	chr7_6663966
chr1	13830390	13830390	+	1.505E-12	1.5008E-11	0.227373	hyper	sig	chr1_13830390
chr12	53975318	53975318	+	1.505E-12	1.5008E-11	0.278242	hyper	sig	chr12_53975318
chr16	86513212	86513212	+	1.506E-12	1.5011E-11	0.240838	hyper	sig	chr16_86513212
chr22	46076688	46076688	+	1.507E-12	1.5025E-11	-0.20975	hypo	sig	chr22_46076688
chr11	20163588	20163588	+	1.507E-12	1.5027E-11	0.271439	hyper	sig	chr11_20163588
chr7	1.29E+08	129189774	+	1.508E-12	1.5035E-11	0.226238	hyper	sig	chr7_129189774
chr17	81453154	81453154	+	1.509E-12	1.5039E-11	-0.22709	hypo	sig	chr17_81453154
chr20	40690839	40690839	+	1.509E-12	1.5039E-11	0.26512	hyper	sig	chr20_40690839
chr12	34394619	34394619	+	1.509E-12	1.5041E-11	-0.23828	hypo	sig	chr12_34394619
chr5	1.81E+08	180609346	+	1.509E-12	1.5041E-11	-0.21818	hypo	sig	chr5_180609346
chr5	3197899	3197899	+	1.509E-12	1.5044E-11	0.203721	hyper	sig	chr5_3197899
chr9	95041717	95041717	+	1.509E-12	1.5046E-11	-0.22443	hypo	sig	chr9_95041717
chr11	69048273	69048273	+	1.51E-12	1.5047E-11	-0.20013	hypo	sig	chr11_69048273
chr11	64568173	64568173	+	1.51E-12	1.5049E-11	0.248972	hyper	sig	chr11_64568173
chr14	1.06E+08	105527449	+	1.51E-12	1.5051E-11	0.261886	hyper	sig	chr14_105527449
chr1	1.19E+08	118985039	+	1.511E-12	1.5062E-11	0.278719	hyper	sig	chr1_118985039
chr3	1.26E+08	126268012	+	1.511E-12	1.5063E-11	0.230753	hyper	sig	chr3_126268012
chr5	1.41E+08	140876754	+	1.513E-12	1.5081E-11	0.266927	hyper	sig	chr5_140876754
chr1	1140916	1140916	+	1.514E-12	1.5086E-11	0.217449	hyper	sig	chr1_1140916
chr8	54455009	54455009	+	1.514E-12	1.509E-11	0.251593	hyper	sig	chr8_54455009
chr3	1.91E+08	191317238	+	1.515E-12	1.5101E-11	-0.25216	hypo	sig	chr3_191317238
chr7	97004257	97004257	+	1.515E-12	1.5101E-11	0.21577	hyper	sig	chr7_97004257
chr2	70901127	70901127	+	1.516E-12	1.511E-11	0.230409	hyper	sig	chr2_70901127
chr16	85181958	85181958	+	1.516E-12	1.5112E-11	-0.23698	hypo	sig	chr16_85181958
chr11	1743805	1743805	+	1.518E-12	1.5125E-11	-0.28492	hypo	sig	chr11_1743805
chr16	49278632	49278632	+	1.518E-12	1.5132E-11	0.240334	hyper	sig	chr16_49278632

chr17	58329731	58329731	+	1.519E-12	1.5133E-11	-0.20926	hypo	sig	chr17_58329731
chr6	98842500	98842500	+	1.519E-12	1.5134E-11	0.240696	hyper	sig	chr6_98842500
chr16	1247446	1247446	+	1.519E-12	1.5142E-11	-0.23004	hypo	sig	chr16_1247446
chr3	1.5E+08	149657289	+	1.521E-12	1.5153E-11	0.253171	hyper	sig	chr3_149657289
chr22	49846194	49846194	+	1.521E-12	1.5161E-11	-0.24758	hypo	sig	chr22_49846194
chr3	43998086	43998086	+	1.522E-12	1.5166E-11	0.200635	hyper	sig	chr3_43998086
chr14	26205001	26205001	+	1.522E-12	1.5166E-11	0.23274	hyper	sig	chr14_26205001
chr5	3605973	3605973	+	1.522E-12	1.5167E-11	0.291224	hyper	sig	chr5_3605973
chr13	1.12E+08	112057753	+	1.523E-12	1.5177E-11	0.304669	hyper	sig	chr13_112057753
chr3	1.34E+08	134406972	+	1.524E-12	1.5188E-11	0.20569	hyper	sig	chr3_134406972
chr16	86510912	86510912	+	1.525E-12	1.5194E-11	0.260043	hyper	sig	chr16_86510912
chr12	1.1E+08	109790201	+	1.526E-12	1.5206E-11	-0.21709	hypo	sig	chr12_109790201
chr11	31815940	31815940	+	1.526E-12	1.5208E-11	0.246764	hyper	sig	chr11_31815940
chr20	63406278	63406278	+	1.528E-12	1.5221E-11	-0.27474	hypo	sig	chr20_63406278
chr8	72537998	72537998	+	1.528E-12	1.5222E-11	0.204764	hyper	sig	chr8_72537998
chr8	1.44E+08	143734606	+	1.529E-12	1.5228E-11	-0.22521	hypo	sig	chr8_143734606
chr11	1.01E+08	101127066	+	1.529E-12	1.5229E-11	0.234619	hyper	sig	chr11_101127066
chr4	993515	993515	+	1.53E-12	1.5242E-11	-0.20876	hypo	sig	chr4_993515
chr1	3229116	3229116	+	1.531E-12	1.525E-11	-0.21078	hypo	sig	chr1_3229116
chr7	35968965	35968965	+	1.531E-12	1.5251E-11	-0.2139	hypo	sig	chr7_35968965
chr16	85845476	85845476	+	1.532E-12	1.5261E-11	0.220088	hyper	sig	chr16_85845476
chr10	1.05E+08	104639810	+	1.533E-12	1.5273E-11	0.315441	hyper	sig	chr10_104639810
chr2	2.33E+08	233481862	+	1.534E-12	1.528E-11	0.261331	hyper	sig	chr2_233481862
chr22	48561918	48561918	+	1.534E-12	1.5281E-11	-0.22755	hypo	sig	chr22_48561918
chr20	61885409	61885409	+	1.534E-12	1.5284E-11	-0.22198	hypo	sig	chr20_61885409
chr18	32140112	32140112	+	1.536E-12	1.5298E-11	-0.22087	hypo	sig	chr18_32140112
chr8	1.44E+08	144046932	+	1.536E-12	1.5301E-11	-0.21563	hypo	sig	chr8_144046932
chr15	74789280	74789280	+	1.537E-12	1.5313E-11	-0.20829	hypo	sig	chr15_74789280
chr5	3606447	3606447	+	1.538E-12	1.5314E-11	0.249674	hyper	sig	chr5_3606447
chr19	53942718	53942718	+	1.538E-12	1.5322E-11	0.375626	hyper	sig	chr19_53942718
chr5	1395236	1395236	+	1.538E-12	1.5322E-11	0.224037	hyper	sig	chr5_1395236
chr7	1.56E+08	156238989	+	1.539E-12	1.5323E-11	-0.27512	hypo	sig	chr7_156238989
chr2	2.32E+08	231514949	+	1.544E-12	1.5379E-11	0.202994	hyper	sig	chr2_231514949
chr3	1.93E+08	192515338	+	1.545E-12	1.5381E-11	0.275545	hyper	sig	chr3_192515338
chr10	27413548	27413548	+	1.548E-12	1.5412E-11	0.247279	hyper	sig	chr10_27413548
chr13	1.14E+08	114039252	+	1.548E-12	1.5415E-11	-0.23102	hypo	sig	chr13_114039252
chr17	80541582	80541582	+	1.549E-12	1.5422E-11	-0.21486	hypo	sig	chr17_80541582
chr5	1.79E+08	179060249	+	1.55E-12	1.543E-11	0.226157	hyper	sig	chr5_179060249
chr1	1.81E+08	181483936	+	1.55E-12	1.5437E-11	0.22578	hyper	sig	chr1_181483936
chr9	1.38E+08	137579423	+	1.55E-12	1.5437E-11	0.224726	hyper	sig	chr9_137579423
chr1	2.34E+08	234229794	+	1.55E-12	1.5438E-11	-0.21255	hypo	sig	chr1_234229794
chr17	62706423	62706423	+	1.551E-12	1.5441E-11	-0.21985	hypo	sig	chr17_62706423
chr7	1.55E+08	155373889	+	1.551E-12	1.5441E-11	0.206606	hyper	sig	chr7_155373889
chr6	33075443	33075443	+	1.551E-12	1.5442E-11	-0.24302	hypo	sig	chr6_33075443
chr20	38674892	38674892	+	1.554E-12	1.547E-11	0.295084	hyper	sig	chr20_38674892
chr1	34977111	34977111	+	1.554E-12	1.5471E-11	0.230167	hyper	sig	chr1_34977111
chr19	932868	932868	+	1.554E-12	1.5474E-11	-0.25413	hypo	sig	chr19_932868
chr9	1.37E+08	137453589	+	1.555E-12	1.5479E-11	0.307446	hyper	sig	chr9_137453589
chr11	30583913	30583913	+	1.555E-12	1.5485E-11	0.244456	hyper	sig	chr11_30583913
chr7	48085324	48085324	+	1.556E-12	1.549E-11	-0.2286	hypo	sig	chr7_48085324
chr10	1.33E+08	133083400	+	1.556E-12	1.5495E-11	0.221545	hyper	sig	chr10_133083400
chr5	1.79E+08	179224400	+	1.556E-12	1.5495E-11	-0.24556	hypo	sig	chr5_179224400
chr9	16727866	16727866	+	1.557E-12	1.5502E-11	0.21148	hyper	sig	chr9_16727866
chr14	37622279	37622279	+	1.558E-12	1.5508E-11	0.2297	hyper	sig	chr14_37622279
chr3	1.95E+08	195064830	+	1.559E-12	1.552E-11	0.218264	hyper	sig	chr3_195064830
chr4	17781817	17781817	+	1.559E-12	1.5524E-11	0.258167	hyper	sig	chr4_17781817

chr8	11679537	11679537	+	1.561E-12	1.5538E-11	0.26069	hyper	sig	chr8_11679537
chr16	3161550	3161550	+	1.561E-12	1.5538E-11	-0.23605	hypo	sig	chr16_3161550
chr16	88353668	88353668	+	1.561E-12	1.5541E-11	-0.23097	hypo	sig	chr16_88353668
chr6	35498235	35498235	+	1.564E-12	1.5566E-11	0.24053	hyper	sig	chr6_35498235
chr1	25695164	25695164	+	1.564E-12	1.5566E-11	0.211977	hyper	sig	chr1_25695164
chr1	57422793	57422793	+	1.564E-12	1.557E-11	0.260054	hyper	sig	chr1_57422793
chr6	16229756	16229756	+	1.565E-12	1.5575E-11	0.243612	hyper	sig	chr6_16229756
chr5	88695380	88695380	+	1.566E-12	1.5583E-11	0.250442	hyper	sig	chr5_88695380
chr6	29673737	29673737	+	1.567E-12	1.5592E-11	-0.25655	hypo	sig	chr6_29673737
chr16	85615245	85615245	+	1.569E-12	1.5612E-11	-0.24962	hypo	sig	chr16_85615245
chr5	73230899	73230899	+	1.569E-12	1.5612E-11	0.250329	hyper	sig	chr5_73230899
chr7	1.49E+08	149066219	+	1.569E-12	1.5619E-11	-0.45572	hypo	sig	chr7_149066219
chr1	53460300	53460300	+	1.57E-12	1.5621E-11	-0.22533	hypo	sig	chr1_53460300
chr14	60511180	60511180	+	1.571E-12	1.5632E-11	0.229333	hyper	sig	chr14_60511180
chr3	1.96E+08	195877503	+	1.571E-12	1.5636E-11	-0.28	hypo	sig	chr3_195877503
chr1	39082217	39082217	+	1.571E-12	1.5637E-11	0.302959	hyper	sig	chr1_39082217
chr11	69449933	69449933	+	1.573E-12	1.5648E-11	-0.26907	hypo	sig	chr11_69449933
chr20	22568676	22568676	+	1.573E-12	1.5655E-11	0.373662	hyper	sig	chr20_22568676
chr1	1.62E+08	161984949	+	1.574E-12	1.5658E-11	-0.27469	hypo	sig	chr1_161984949
chr11	31797243	31797243	+	1.574E-12	1.5666E-11	0.24489	hyper	sig	chr11_31797243
chr5	1.41E+08	141225719	+	1.576E-12	1.568E-11	0.222394	hyper	sig	chr5_141225719
chr1	2.08E+08	207645229	+	1.576E-12	1.568E-11	0.263363	hyper	sig	chr1_207645229
chr8	38770569	38770569	+	1.578E-12	1.5704E-11	0.242097	hyper	sig	chr8_38770569
chr8	1.39E+08	138878296	+	1.579E-12	1.5707E-11	-0.22604	hypo	sig	chr8_138878296
chr12	10112031	10112031	+	1.579E-12	1.5708E-11	-0.25415	hypo	sig	chr12_10112031
chr9	1.29E+08	129109661	+	1.58E-12	1.5716E-11	-0.24688	hypo	sig	chr9_129109661
chr1	50416410	50416410	+	1.581E-12	1.5733E-11	0.2237	hyper	sig	chr1_50416410
chr10	86367583	86367583	+	1.582E-12	1.5735E-11	0.235768	hyper	sig	chr10_86367583
chr20	419772	419772	+	1.582E-12	1.5736E-11	-0.25969	hypo	sig	chr20_419772
chr17	48541917	48541917	+	1.583E-12	1.5747E-11	0.28666	hyper	sig	chr17_48541917
chr7	27239937	27239937	+	1.584E-12	1.5753E-11	0.226291	hyper	sig	chr7_27239937
chr14	36506197	36506197	+	1.585E-12	1.5764E-11	0.262823	hyper	sig	chr14_36506197
chr14	28767167	28767167	+	1.585E-12	1.5768E-11	0.298547	hyper	sig	chr14_28767167
chr6	37705533	37705533	+	1.586E-12	1.5778E-11	0.200536	hyper	sig	chr6_37705533
chr7	73830444	73830444	+	1.586E-12	1.5779E-11	-0.24596	hypo	sig	chr7_73830444
chr3	1.54E+08	154428098	+	1.586E-12	1.578E-11	0.257634	hyper	sig	chr3_154428098
chr1	3293860	3293860	+	1.588E-12	1.5793E-11	-0.20756	hypo	sig	chr1_3293860
chr3	1.57E+08	157436898	+	1.588E-12	1.5795E-11	0.224946	hyper	sig	chr3_157436898
chr11	20605240	20605240	+	1.588E-12	1.5799E-11	0.236336	hyper	sig	chr11_20605240
chr19	1766327	1766327	+	1.589E-12	1.5809E-11	0.251483	hyper	sig	chr19_1766327
chr19	52535825	52535825	+	1.59E-12	1.5811E-11	0.206128	hyper	sig	chr19_52535825
chr6	26017787	26017787	+	1.59E-12	1.5813E-11	0.212751	hyper	sig	chr6_26017787
chr11	3232548	3232548	+	1.59E-12	1.5814E-11	0.204378	hyper	sig	chr11_3232548
chr20	37902518	37902518	+	1.591E-12	1.5823E-11	0.303798	hyper	sig	chr20_37902518
chr10	1.3E+08	130021675	+	1.591E-12	1.5824E-11	-0.29658	hypo	sig	chr10_130021675
chr10	1.04E+08	103661722	+	1.595E-12	1.5861E-11	0.246218	hyper	sig	chr10_103661722
chr17	14304616	14304616	+	1.595E-12	1.5864E-11	0.238511	hyper	sig	chr17_14304616
chr4	1404089	1404089	+	1.596E-12	1.587E-11	0.233294	hyper	sig	chr4_1404089
chr3	1.82E+08	181720395	+	1.597E-12	1.5878E-11	0.267288	hyper	sig	chr3_181720395
chr17	19978362	19978362	+	1.597E-12	1.5879E-11	0.256746	hyper	sig	chr17_19978362
chr22	45309107	45309107	+	1.597E-12	1.5882E-11	-0.2477	hypo	sig	chr22_45309107
chr1	13584301	13584301	+	1.597E-12	1.5884E-11	0.225614	hyper	sig	chr1_13584301
chr17	8681265	8681265	+	1.597E-12	1.5885E-11	0.212836	hyper	sig	chr17_8681265
chr8	1.2E+08	119673533	+	1.599E-12	1.5901E-11	0.315913	hyper	sig	chr8_119673533
chr2	1.49E+08	149038049	+	1.601E-12	1.5917E-11	-0.2333	hypo	sig	chr2_149038049
chr20	46178019	46178019	+	1.601E-12	1.5922E-11	-0.28909	hypo	sig	chr20_46178019

chr17	22266248	22266248	+	1.602E-12	1.5925E-11	-0.26758	hypo	sig	chr17_22266248
chr10	7531564	7531564	+	1.602E-12	1.5927E-11	-0.21604	hypo	sig	chr10_7531564
chr10	22476034	22476034	+	1.602E-12	1.5927E-11	0.201888	hyper	sig	chr10_22476034
chr2	2.34E+08	233729155	+	1.602E-12	1.5931E-11	-0.29087	hypo	sig	chr2_233729155
chr3	1.13E+08	113441583	+	1.604E-12	1.5945E-11	0.256592	hyper	sig	chr3_113441583
chr6	27505909	27505909	+	1.604E-12	1.5949E-11	0.243292	hyper	sig	chr6_27505909
chr1	1.54E+08	154323726	+	1.604E-12	1.5952E-11	-0.22603	hypo	sig	chr1_154323726
chr16	49278122	49278122	+	1.605E-12	1.5955E-11	0.250121	hyper	sig	chr16_49278122
chr4	3767907	3767907	+	1.606E-12	1.5962E-11	0.222225	hyper	sig	chr4_3767907
chr2	96859272	96859272	+	1.606E-12	1.5968E-11	0.279104	hyper	sig	chr2_96859272
chr2	10452350	10452350	+	1.606E-12	1.5969E-11	-0.25241	hypo	sig	chr2_10452350
chr6	43645628	43645628	+	1.607E-12	1.5978E-11	0.212319	hyper	sig	chr6_43645628
chr17	47848195	47848195	+	1.607E-12	1.598E-11	0.268131	hyper	sig	chr17_47848195
chr14	1.01E+08	101065011	+	1.609E-12	1.5998E-11	-0.23957	hypo	sig	chr14_101065011
chr4	1.7E+08	169758463	+	1.609E-12	1.5998E-11	-0.22773	hypo	sig	chr4_169758463
chr16	87603116	87603116	+	1.609E-12	1.5999E-11	0.210323	hyper	sig	chr16_87603116
chr19	708541	708541	+	1.61E-12	1.6009E-11	0.282037	hyper	sig	chr19_708541
chr14	99767117	99767117	+	1.611E-12	1.6012E-11	0.272588	hyper	sig	chr14_99767117
chr4	1.74E+08	173528922	+	1.611E-12	1.6012E-11	0.246329	hyper	sig	chr4_173528922
chr7	1.58E+08	157881399	+	1.611E-12	1.6013E-11	-0.22596	hypo	sig	chr7_157881399
chr12	1.02E+08	101642412	+	1.612E-12	1.602E-11	0.206675	hyper	sig	chr12_101642412
chr5	36692980	36692980	+	1.612E-12	1.602E-11	0.225113	hyper	sig	chr5_36692980
chr17	74935953	74935953	+	1.612E-12	1.6025E-11	0.265369	hyper	sig	chr17_74935953
chr17	50209487	50209487	+	1.613E-12	1.6031E-11	0.223643	hyper	sig	chr17_50209487
chr16	84313282	84313282	+	1.614E-12	1.6046E-11	-0.27645	hypo	sig	chr16_84313282
chr19	55640300	55640300	+	1.615E-12	1.6048E-11	0.240066	hyper	sig	chr19_55640300
chr1	2.26E+08	226109596	+	1.616E-12	1.6056E-11	0.251632	hyper	sig	chr1_226109596
chr12	1.32E+08	132382075	+	1.616E-12	1.606E-11	-0.27437	hypo	sig	chr12_132382075
chr1	30809279	30809279	+	1.617E-12	1.6066E-11	0.241027	hyper	sig	chr1_30809279
chr19	53132976	53132976	+	1.617E-12	1.6066E-11	0.203751	hyper	sig	chr19_53132976
chr6	28515564	28515564	+	1.617E-12	1.6069E-11	-0.25304	hypo	sig	chr6_28515564
chr1	3139978	3139978	+	1.618E-12	1.6084E-11	0.215714	hyper	sig	chr1_3139978
chr13	1.12E+08	111893377	+	1.618E-12	1.6084E-11	0.255187	hyper	sig	chr13_111893377
chr8	1.43E+08	143125852	+	1.619E-12	1.6092E-11	0.230119	hyper	sig	chr8_143125852
chr19	6111616	6111616	+	1.62E-12	1.6098E-11	-0.24815	hypo	sig	chr19_6111616
chr5	1.41E+08	141432855	+	1.621E-12	1.6105E-11	0.290395	hyper	sig	chr5_141432855
chr12	54047429	54047429	+	1.621E-12	1.6107E-11	0.259278	hyper	sig	chr12_54047429
chr2	2.39E+08	239260252	+	1.621E-12	1.611E-11	-0.23228	hypo	sig	chr2_239260252
chr17	76915438	76915438	+	1.622E-12	1.6117E-11	-0.24878	hypo	sig	chr17_76915438
chr11	1.19E+08	119376289	+	1.623E-12	1.6125E-11	0.220791	hyper	sig	chr11_119376289
chr15	58864928	58864928	+	1.623E-12	1.6131E-11	0.284254	hyper	sig	chr15_58864928
chr7	4265882	4265882	+	1.624E-12	1.6133E-11	-0.22172	hypo	sig	chr7_4265882
chr16	29663607	29663607	+	1.624E-12	1.6138E-11	-0.23178	hypo	sig	chr16_29663607
chr3	1.96E+08	195860385	+	1.624E-12	1.6138E-11	-0.31297	hypo	sig	chr3_195860385
chr19	50666419	50666419	+	1.626E-12	1.6152E-11	0.292863	hyper	sig	chr19_50666419
chr5	1.41E+08	141225675	+	1.627E-12	1.6163E-11	0.268889	hyper	sig	chr5_141225675
chr6	1.67E+08	167267920	+	1.629E-12	1.618E-11	-0.25562	hypo	sig	chr6_167267920
chr1	23949350	23949350	+	1.629E-12	1.6182E-11	-0.21534	hypo	sig	chr1_23949350
chr5	1.76E+08	175535965	+	1.63E-12	1.6196E-11	-0.22414	hypo	sig	chr5_175535965
chr7	2763319	2763319	+	1.63E-12	1.6198E-11	0.211839	hyper	sig	chr7_2763319
chr10	1.01E+08	101138918	+	1.631E-12	1.62E-11	0.210226	hyper	sig	chr10_101138918
chr13	1.11E+08	111052081	+	1.632E-12	1.621E-11	-0.22163	hypo	sig	chr13_111052081
chr6	29755594	29755594	+	1.632E-12	1.6216E-11	0.234286	hyper	sig	chr6_29755594
chr4	41873472	41873472	+	1.634E-12	1.6231E-11	0.376601	hyper	sig	chr4_41873472
chr1	2.26E+08	226426556	+	1.634E-12	1.6234E-11	-0.21236	hypo	sig	chr1_226426556
chr10	1.25E+08	125231801	+	1.635E-12	1.624E-11	-0.23883	hypo	sig	chr10_125231801

chr7	1E+08	100389989	+	1.635E-12	1.624E-11	-0.26615	hypo	sig	chr7_100389989
chr3	45035836	45035836	+	1.635E-12	1.624E-11	0.20952	hyper	sig	chr3_45035836
chr17	10309700	10309700	+	1.635E-12	1.6243E-11	-0.21579	hypo	sig	chr17_10309700
chr6	1.67E+08	166656775	+	1.635E-12	1.6243E-11	-0.25035	hypo	sig	chr6_166656775
chr17	79465416	79465416	+	1.637E-12	1.6257E-11	-0.23488	hypo	sig	chr17_79465416
chr5	1.41E+08	140875853	+	1.639E-12	1.6274E-11	0.239679	hyper	sig	chr5_140875853
chr20	36549198	36549198	+	1.64E-12	1.6287E-11	0.243101	hyper	sig	chr20_36549198
chr5	1.41E+08	141100427	+	1.641E-12	1.6299E-11	0.223398	hyper	sig	chr5_141100427
chr17	1405322	1405322	+	1.642E-12	1.6303E-11	0.217806	hyper	sig	chr17_1405322
chr19	708605	708605	+	1.643E-12	1.6312E-11	0.299453	hyper	sig	chr19_708605
chr1	2.21E+08	220787563	+	1.643E-12	1.6314E-11	-0.26088	hypo	sig	chr1_220787563
chr5	1.41E+08	140795560	+	1.645E-12	1.6331E-11	0.255939	hyper	sig	chr5_140795560
chr10	22334284	22334284	+	1.645E-12	1.6334E-11	0.272205	hyper	sig	chr10_22334284
chr5	51390428	51390428	+	1.645E-12	1.6337E-11	0.24571	hyper	sig	chr5_51390428
chr4	4868751	4868751	+	1.645E-12	1.6338E-11	0.248211	hyper	sig	chr4_4868751
chr3	87089250	87089250	+	1.646E-12	1.6348E-11	0.20149	hyper	sig	chr3_87089250
chr6	28814270	28814270	+	1.648E-12	1.6365E-11	0.328854	hyper	sig	chr6_28814270
chr12	1.22E+08	121813217	+	1.649E-12	1.6372E-11	0.218321	hyper	sig	chr12_121813217
chr2	1.05E+08	104842695	+	1.65E-12	1.638E-11	0.307556	hyper	sig	chr2_104842695
chr7	56116258	56116258	+	1.65E-12	1.638E-11	0.231268	hyper	sig	chr7_56116258
chr11	79438340	79438340	+	1.65E-12	1.6382E-11	0.255237	hyper	sig	chr11_79438340
chr10	1.01E+08	101061934	+	1.65E-12	1.6384E-11	-0.30783	hypo	sig	chr10_101061934
chr3	1.91E+08	190968716	+	1.651E-12	1.6394E-11	-0.28976	hypo	sig	chr3_190968716
chr1	16872235	16872235	+	1.652E-12	1.6399E-11	0.218463	hyper	sig	chr1_16872235
chr1	2.45E+08	245336417	+	1.653E-12	1.6412E-11	-0.2006	hypo	sig	chr1_245336417
chr4	1.33E+08	133147523	+	1.653E-12	1.6413E-11	0.2292	hyper	sig	chr4_133147523
chr7	24283860	24283860	+	1.654E-12	1.6424E-11	0.348525	hyper	sig	chr7_24283860
chr12	50082407	50082407	+	1.654E-12	1.6424E-11	-0.27528	hypo	sig	chr12_50082407
chr11	7252476	7252476	+	1.656E-12	1.6435E-11	0.262025	hyper	sig	chr11_7252476
chr5	42924113	42924113	+	1.657E-12	1.6444E-11	0.202355	hyper	sig	chr5_42924113
chr4	1.9E+08	189644729	+	1.658E-12	1.6455E-11	-0.28476	hypo	sig	chr4_189644729
chr12	53324324	53324324	+	1.658E-12	1.6456E-11	0.222616	hyper	sig	chr12_53324324
chr2	2.42E+08	241771384	+	1.658E-12	1.6457E-11	0.227597	hyper	sig	chr2_241771384
chr16	89154210	89154210	+	1.659E-12	1.6467E-11	-0.21654	hypo	sig	chr16_89154210
chr16	29662863	29662863	+	1.66E-12	1.6482E-11	-0.22676	hypo	sig	chr16_29662863
chr4	8372673	8372673	+	1.661E-12	1.6489E-11	-0.22683	hypo	sig	chr4_8372673
chr1	1.15E+08	114855529	+	1.662E-12	1.6493E-11	0.223421	hyper	sig	chr1_114855529
chr19	14085606	14085606	+	1.662E-12	1.6493E-11	0.231469	hyper	sig	chr19_14085606
chr11	1.19E+08	119029598	+	1.662E-12	1.6498E-11	-0.25105	hypo	sig	chr11_119029598
chr17	299658	299658	+	1.662E-12	1.6498E-11	0.21202	hyper	sig	chr17_299658
chr3	42686351	42686351	+	1.662E-12	1.6498E-11	0.263564	hyper	sig	chr3_42686351
chr19	19515007	19515007	+	1.663E-12	1.6502E-11	0.254059	hyper	sig	chr19_19515007
chr22	49999994	49999994	+	1.663E-12	1.6505E-11	0.202225	hyper	sig	chr22_49999994
chr19	46413531	46413531	+	1.663E-12	1.6506E-11	0.207066	hyper	sig	chr19_46413531
chr5	76081875	76081875	+	1.665E-12	1.652E-11	0.242375	hyper	sig	chr5_76081875
chr10	42926737	42926737	+	1.665E-12	1.6528E-11	-0.2838	hypo	sig	chr10_42926737
chr1	1.54E+08	153535022	+	1.667E-12	1.6539E-11	-0.23285	hypo	sig	chr1_153535022
chr4	1.85E+08	185021161	+	1.667E-12	1.6541E-11	0.224342	hyper	sig	chr4_185021161
chr11	70826831	70826831	+	1.667E-12	1.6541E-11	0.221872	hyper	sig	chr11_70826831
chr19	46429019	46429019	+	1.667E-12	1.6544E-11	0.224763	hyper	sig	chr19_46429019
chr4	8591795	8591795	+	1.668E-12	1.655E-11	-0.22321	hypo	sig	chr4_8591795
chr16	10182725	10182725	+	1.668E-12	1.6552E-11	0.217549	hyper	sig	chr16_10182725
chr5	1.79E+08	179164423	+	1.669E-12	1.6561E-11	-0.29905	hypo	sig	chr5_179164423
chr2	66445693	66445693	+	1.669E-12	1.6563E-11	0.225717	hyper	sig	chr2_66445693
chr2	2.39E+08	239122693	+	1.671E-12	1.6575E-11	0.204422	hyper	sig	chr2_239122693
chr20	54476326	54476326	+	1.671E-12	1.6579E-11	0.22485	hyper	sig	chr20_54476326

chr18	34223490	34223490	+	1.672E-12	1.659E-11	0.233632	hyper	sig	chr18_34223490
chr2	1.63E+08	163348112	+	1.672E-12	1.6593E-11	0.239628	hyper	sig	chr2_163348112
chr5	1.41E+08	141350605	+	1.676E-12	1.6623E-11	0.254317	hyper	sig	chr5_141350605
chr17	82242802	82242802	+	1.676E-12	1.6626E-11	0.2221	hyper	sig	chr17_82242802
chr1	90725380	90725380	+	1.676E-12	1.6631E-11	0.256724	hyper	sig	chr1_90725380
chr10	1.34E+08	133529765	+	1.677E-12	1.6635E-11	0.276078	hyper	sig	chr10_133529765
chr3	49903459	49903459	+	1.677E-12	1.6637E-11	-0.22797	hypo	sig	chr3_49903459
chr17	35515279	35515279	+	1.677E-12	1.6639E-11	0.23548	hyper	sig	chr17_35515279
chr16	782850	782850	+	1.678E-12	1.6643E-11	-0.21922	hypo	sig	chr16_782850
chr1	1.81E+08	181486115	+	1.681E-12	1.6672E-11	0.261255	hyper	sig	chr1_181486115
chr7	590870	590870	+	1.681E-12	1.6676E-11	0.212597	hyper	sig	chr7_590870
chr20	58841168	58841168	+	1.682E-12	1.6682E-11	0.267277	hyper	sig	chr20_58841168
chr15	24773095	24773095	+	1.683E-12	1.6691E-11	0.225893	hyper	sig	chr15_24773095
chr22	50604368	50604368	+	1.683E-12	1.6698E-11	0.246852	hyper	sig	chr22_50604368
chr9	1.22E+08	122220672	+	1.687E-12	1.6733E-11	0.395251	hyper	sig	chr9_122220672
chr8	41897622	41897622	+	1.687E-12	1.6734E-11	0.260231	hyper	sig	chr8_41897622
chr11	22193118	22193118	+	1.688E-12	1.6737E-11	0.217686	hyper	sig	chr11_22193118
chr10	1.33E+08	133158423	+	1.688E-12	1.6739E-11	-0.2192	hypo	sig	chr10_133158423
chr19	51710845	51710845	+	1.688E-12	1.6744E-11	-0.38105	hypo	sig	chr19_51710845
chr2	46937801	46937801	+	1.688E-12	1.6744E-11	-0.21282	hypo	sig	chr2_46937801
chr16	89248291	89248291	+	1.688E-12	1.6745E-11	0.286964	hyper	sig	chr16_89248291
chr11	704913	704913	+	1.689E-12	1.6748E-11	-0.22307	hypo	sig	chr11_704913
chr19	10868157	10868157	+	1.69E-12	1.6758E-11	-0.22825	hypo	sig	chr19_10868157
chr20	57392574	57392574	+	1.691E-12	1.6769E-11	0.254412	hyper	sig	chr20_57392574
chr18	26547294	26547294	+	1.691E-12	1.677E-11	0.208532	hyper	sig	chr18_26547294
chr17	40442789	40442789	+	1.693E-12	1.6786E-11	0.267272	hyper	sig	chr17_40442789
chr12	53938438	53938438	+	1.696E-12	1.6814E-11	0.343576	hyper	sig	chr12_53938438
chr1	1.19E+08	118989763	+	1.696E-12	1.6822E-11	0.242794	hyper	sig	chr1_118989763
chr5	1.78E+08	178372308	+	1.698E-12	1.6834E-11	0.206473	hyper	sig	chr5_178372308
chr5	1.8E+08	179530033	+	1.699E-12	1.6847E-11	-0.29031	hypo	sig	chr5_179530033
chr14	22976785	22976785	+	1.699E-12	1.6848E-11	-0.20587	hypo	sig	chr14_22976785
chr15	74133195	74133195	+	1.699E-12	1.685E-11	0.256216	hyper	sig	chr15_74133195
chr11	31799688	31799688	+	1.7E-12	1.6857E-11	0.367499	hyper	sig	chr11_31799688
chr10	1.23E+08	122954711	+	1.7E-12	1.6857E-11	0.231169	hyper	sig	chr10_122954711
chr6	32198875	32198875	+	1.701E-12	1.6861E-11	-0.24624	hypo	sig	chr6_32198875
chr16	31371742	31371742	+	1.702E-12	1.6878E-11	-0.20725	hypo	sig	chr16_31371742
chr1	53508093	53508093	+	1.703E-12	1.6884E-11	-0.21029	hypo	sig	chr1_53508093
chr3	1.7E+08	169660210	+	1.705E-12	1.6899E-11	0.22531	hyper	sig	chr3_169660210
chr3	1.38E+08	138435491	+	1.705E-12	1.6902E-11	0.238044	hyper	sig	chr3_138435491
chr1	26863806	26863806	+	1.709E-12	1.6946E-11	-0.25735	hypo	sig	chr1_26863806
chr10	49613510	49613510	+	1.71E-12	1.6954E-11	0.260214	hyper	sig	chr10_49613510
chr17	76077442	76077442	+	1.711E-12	1.696E-11	0.247112	hyper	sig	chr17_76077442
chr19	5046556	5046556	+	1.711E-12	1.6963E-11	-0.23886	hypo	sig	chr19_5046556
chr19	6712493	6712493	+	1.711E-12	1.6964E-11	-0.27153	hypo	sig	chr19_6712493
chr5	3301452	3301452	+	1.714E-12	1.6986E-11	-0.30331	hypo	sig	chr5_3301452
chr2	2.02E+08	201619172	+	1.715E-12	1.6996E-11	0.24012	hyper	sig	chr2_201619172
chr12	62191488	62191488	+	1.715E-12	1.7001E-11	0.323043	hyper	sig	chr12_62191488
chr1	1.57E+08	156657163	+	1.716E-12	1.7005E-11	0.251382	hyper	sig	chr1_156657163
chr10	1.33E+08	133085025	+	1.716E-12	1.7008E-11	-0.21006	hypo	sig	chr10_133085025
chr8	1.43E+08	142786694	+	1.716E-12	1.701E-11	-0.24046	hypo	sig	chr8_142786694
chr1	22114594	22114594	+	1.717E-12	1.7013E-11	0.241737	hyper	sig	chr1_22114594
chr5	1.33E+08	133245648	+	1.717E-12	1.7013E-11	-0.24775	hypo	sig	chr5_133245648
chr7	1.3E+08	130492981	+	1.719E-12	1.7032E-11	0.202854	hyper	sig	chr7_130492981
chr2	1.13E+08	113289488	+	1.719E-12	1.7035E-11	-0.24538	hypo	sig	chr2_113289488
chr16	1204291	1204291	+	1.719E-12	1.704E-11	-0.22828	hypo	sig	chr16_1204291
chr19	57099420	57099420	+	1.72E-12	1.7041E-11	0.261155	hyper	sig	chr19_57099420

chr5	56278815	56278815	+	1.72E-12	1.7043E-11	0.204942	hyper	sig	chr5_56278815
chr13	1.12E+08	111558971	+	1.72E-12	1.7048E-11	-0.24691	hypo	sig	chr13_111558971
chr1	90729947	90729947	+	1.723E-12	1.7069E-11	0.210897	hyper	sig	chr1_90729947
chr17	82577576	82577576	+	1.724E-12	1.7079E-11	-0.24721	hypo	sig	chr17_82577576
chr21	38664566	38664566	+	1.724E-12	1.708E-11	-0.25324	hypo	sig	chr21_38664566
chr19	18869935	18869935	+	1.724E-12	1.7085E-11	0.354721	hyper	sig	chr19_18869935
chr2	1.76E+08	176149781	+	1.728E-12	1.7126E-11	-0.21924	hypo	sig	chr2_176149781
chr17	15783115	15783115	+	1.729E-12	1.7129E-11	0.205438	hyper	sig	chr17_15783115
chr16	66845904	66845904	+	1.729E-12	1.7133E-11	-0.2413	hypo	sig	chr16_66845904
chr5	17604832	17604832	+	1.73E-12	1.7137E-11	-0.34451	hypo	sig	chr5_17604832
chr7	41134581	41134581	+	1.73E-12	1.7137E-11	-0.20244	hypo	sig	chr7_41134581
chr15	28106976	28106976	+	1.73E-12	1.7144E-11	0.225903	hyper	sig	chr15_28106976
chr11	17542878	17542878	+	1.732E-12	1.7157E-11	-0.24559	hypo	sig	chr11_17542878
chr11	22432584	22432584	+	1.732E-12	1.7157E-11	0.234981	hyper	sig	chr11_22432584
chr5	1.41E+08	140835661	+	1.733E-12	1.7165E-11	0.262317	hyper	sig	chr5_140835661
chr14	47675909	47675909	+	1.733E-12	1.717E-11	0.248384	hyper	sig	chr14_47675909
chr3	64267921	64267921	+	1.733E-12	1.7173E-11	0.243553	hyper	sig	chr3_64267921
chr6	49934149	49934149	+	1.736E-12	1.7194E-11	-0.2241	hypo	sig	chr6_49934149
chr2	10331314	10331314	+	1.738E-12	1.7212E-11	-0.30192	hypo	sig	chr2_10331314
chr1	2.1E+08	210312018	+	1.739E-12	1.7231E-11	-0.23144	hypo	sig	chr1_210312018
chr5	32726106	32726106	+	1.74E-12	1.7233E-11	0.274855	hyper	sig	chr5_32726106
chr17	80510342	80510342	+	1.741E-12	1.7242E-11	-0.21557	hypo	sig	chr17_80510342
chr12	47735664	47735664	+	1.741E-12	1.7243E-11	-0.23895	hypo	sig	chr12_47735664
chr4	2764104	2764104	+	1.742E-12	1.7253E-11	0.205579	hyper	sig	chr4_2764104
chr5	1.41E+08	141403303	+	1.744E-12	1.7272E-11	0.234592	hyper	sig	chr5_141403303
chr2	2.13E+08	212536601	+	1.747E-12	1.7299E-11	0.258521	hyper	sig	chr2_212536601
chr1	2418264	2418264	+	1.747E-12	1.73E-11	0.240086	hyper	sig	chr1_2418264
chr16	30474278	30474278	+	1.75E-12	1.7331E-11	0.308299	hyper	sig	chr16_30474278
chr5	1.41E+08	140870818	+	1.75E-12	1.7335E-11	0.274745	hyper	sig	chr5_140870818
chr13	1.13E+08	112694408	+	1.751E-12	1.7345E-11	0.202634	hyper	sig	chr13_112694408
chr8	1.4E+08	139814311	+	1.752E-12	1.7351E-11	0.265309	hyper	sig	chr8_139814311
chr7	1353076	1353076	+	1.752E-12	1.7352E-11	-0.22574	hypo	sig	chr7_1353076
chr13	1.14E+08	114074499	+	1.752E-12	1.7354E-11	-0.30471	hypo	sig	chr13_114074499
chr7	27145939	27145939	+	1.752E-12	1.7355E-11	0.247458	hyper	sig	chr7_27145939
chr1	1.19E+08	118983469	+	1.753E-12	1.7358E-11	0.275531	hyper	sig	chr1_118983469
chr12	53973529	53973529	+	1.754E-12	1.737E-11	0.287339	hyper	sig	chr12_53973529
chr3	1.38E+08	138009822	+	1.755E-12	1.7382E-11	-0.28441	hypo	sig	chr3_138009822
chr20	32056925	32056925	+	1.756E-12	1.7392E-11	-0.24512	hypo	sig	chr20_32056925
chr7	1.57E+08	157468123	+	1.758E-12	1.7405E-11	-0.25317	hypo	sig	chr7_157468123
chr16	88870761	88870761	+	1.758E-12	1.7407E-11	-0.23917	hypo	sig	chr16_88870761
chr1	99005215	99005215	+	1.76E-12	1.7422E-11	0.201317	hyper	sig	chr1_99005215
chr6	1.7E+08	170253447	+	1.761E-12	1.7434E-11	-0.20339	hypo	sig	chr6_170253447
chr6	1.66E+08	166478194	+	1.761E-12	1.7438E-11	-0.22999	hypo	sig	chr6_166478194
chr2	44944739	44944739	+	1.762E-12	1.7445E-11	0.26785	hyper	sig	chr2_44944739
chr19	750790	750790	+	1.763E-12	1.7457E-11	-0.22911	hypo	sig	chr19_750790
chr5	1.41E+08	141389910	+	1.764E-12	1.746E-11	0.217102	hyper	sig	chr5_141389910
chr22	24774401	24774401	+	1.764E-12	1.7463E-11	-0.23398	hypo	sig	chr22_24774401
chr5	77638974	77638974	+	1.766E-12	1.7479E-11	0.245745	hyper	sig	chr5_77638974
chr9	34522066	34522066	+	1.766E-12	1.748E-11	-0.26175	hypo	sig	chr9_34522066
chr5	1295709	1295709	+	1.766E-12	1.7483E-11	0.219977	hyper	sig	chr5_1295709
chr17	82223111	82223111	+	1.767E-12	1.7494E-11	-0.20887	hypo	sig	chr17_82223111
chr20	62474898	62474898	+	1.768E-12	1.7505E-11	0.263064	hyper	sig	chr20_62474898
chr6	1.66E+08	165731386	+	1.769E-12	1.7507E-11	-0.23604	hypo	sig	chr6_165731386
chr8	1.43E+08	143417769	+	1.77E-12	1.7521E-11	-0.23807	hypo	sig	chr8_143417769
chr8	43276305	43276305	+	1.771E-12	1.7528E-11	0.233221	hyper	sig	chr8_43276305
chr5	10376586	10376586	+	1.772E-12	1.7537E-11	-0.2462	hypo	sig	chr5_10376586

chr15	41894254	41894254	+	1.774E-12	1.7553E-11	-0.20528	hypo	sig	chr15_41894254
chr4	6008414	6008414	+	1.774E-12	1.7555E-11	0.223716	hyper	sig	chr4_6008414
chr7	1.56E+08	156365158	+	1.775E-12	1.7566E-11	0.243171	hyper	sig	chr7_156365158
chr1	2207796	2207796	+	1.776E-12	1.7576E-11	0.222426	hyper	sig	chr1_2207796
chr20	46014089	46014089	+	1.778E-12	1.7592E-11	0.258741	hyper	sig	chr20_46014089
chr19	45901461	45901461	+	1.778E-12	1.7593E-11	0.355369	hyper	sig	chr19_45901461
chr5	10249001	10249001	+	1.779E-12	1.7601E-11	-0.28959	hypo	sig	chr5_10249001
chr5	602027	602027	+	1.779E-12	1.7602E-11	-0.29205	hypo	sig	chr5_602027
chr19	38483505	38483505	+	1.779E-12	1.7603E-11	-0.31465	hypo	sig	chr19_38483505
chr12	1864956	1864956	+	1.779E-12	1.7608E-11	0.259866	hyper	sig	chr12_1864956
chr2	2.42E+08	242035553	+	1.78E-12	1.7612E-11	-0.2167	hypo	sig	chr2_242035553
chr7	70631135	70631135	+	1.781E-12	1.7626E-11	0.258117	hyper	sig	chr7_70631135
chr8	8330967	8330967	+	1.783E-12	1.7645E-11	-0.28134	hypo	sig	chr8_8330967
chr9	37938752	37938752	+	1.783E-12	1.7647E-11	0.287761	hyper	sig	chr9_37938752
chr15	25680654	25680654	+	1.784E-12	1.7652E-11	-0.22498	hypo	sig	chr15_25680654
chr20	63466640	63466640	+	1.785E-12	1.7662E-11	-0.31497	hypo	sig	chr20_63466640
chr10	1.33E+08	132785056	+	1.786E-12	1.7672E-11	0.330054	hyper	sig	chr10_132785056
chr12	2230429	2230429	+	1.786E-12	1.7673E-11	0.251321	hyper	sig	chr12_2230429
chr10	1.34E+08	133529719	+	1.786E-12	1.7673E-11	0.238475	hyper	sig	chr10_133529719
chr14	49770935	49770935	+	1.786E-12	1.7673E-11	-0.2127	hypo	sig	chr14_49770935
chr10	22335048	22335048	+	1.79E-12	1.7713E-11	0.244456	hyper	sig	chr10_22335048
chr2	3594996	3594996	+	1.79E-12	1.7714E-11	0.272662	hyper	sig	chr2_3594996
chr1	16645582	16645582	+	1.791E-12	1.7719E-11	-0.24212	hypo	sig	chr1_16645582
chr13	23901229	23901229	+	1.792E-12	1.7729E-11	-0.39061	hypo	sig	chr13_23901229
chr16	77213176	77213176	+	1.793E-12	1.7739E-11	0.287422	hyper	sig	chr16_77213176
chr5	51382799	51382799	+	1.793E-12	1.7741E-11	0.201134	hyper	sig	chr5_51382799
chr1	3673412	3673412	+	1.794E-12	1.7746E-11	-0.24333	hypo	sig	chr1_3673412
chr17	34641157	34641157	+	1.794E-12	1.7748E-11	-0.23609	hypo	sig	chr17_34641157
chr4	5890614	5890614	+	1.794E-12	1.7752E-11	0.253232	hyper	sig	chr4_5890614
chr19	39248605	39248605	+	1.795E-12	1.7753E-11	0.31583	hyper	sig	chr19_39248605
chr9	1.32E+08	131824301	+	1.796E-12	1.7768E-11	-0.28462	hypo	sig	chr9_131824301
chr19	4556977	4556977	+	1.797E-12	1.7776E-11	-0.27736	hypo	sig	chr19_4556977
chr17	16683534	16683534	+	1.799E-12	1.7794E-11	0.24252	hyper	sig	chr17_16683534
chr16	86568971	86568971	+	1.799E-12	1.7798E-11	0.230189	hyper	sig	chr16_86568971
chr21	26967682	26967682	+	1.802E-12	1.7824E-11	0.248527	hyper	sig	chr21_26967682
chr15	79090790	79090790	+	1.804E-12	1.7839E-11	0.284309	hyper	sig	chr15_79090790
chr6	1.06E+08	105986641	+	1.805E-12	1.7849E-11	0.253623	hyper	sig	chr6_105986641
chr19	33391942	33391942	+	1.805E-12	1.7853E-11	-0.22068	hypo	sig	chr19_33391942
chr8	93496086	93496086	+	1.806E-12	1.786E-11	0.285806	hyper	sig	chr8_93496086
chr17	50468599	50468599	+	1.806E-12	1.7865E-11	0.226888	hyper	sig	chr17_50468599
chr9	1.29E+08	129257100	+	1.806E-12	1.7866E-11	-0.20953	hypo	sig	chr9_129257100
chr11	12008212	12008212	+	1.807E-12	1.787E-11	0.238014	hyper	sig	chr11_12008212
chr5	1728408	1728408	+	1.807E-12	1.7874E-11	-0.20707	hypo	sig	chr5_1728408
chr12	1.3E+08	130475006	+	1.807E-12	1.7875E-11	0.202411	hyper	sig	chr12_130475006
chr8	1.3E+08	130354948	+	1.808E-12	1.788E-11	0.335871	hyper	sig	chr8_130354948
chr17	82715799	82715799	+	1.809E-12	1.7892E-11	-0.20463	hypo	sig	chr17_82715799
chr17	42155615	42155615	+	1.809E-12	1.7892E-11	0.251533	hyper	sig	chr17_42155615
chr10	1.33E+08	132607119	+	1.812E-12	1.7915E-11	0.221626	hyper	sig	chr10_132607119
chr16	29218343	29218343	+	1.812E-12	1.7919E-11	-0.2175	hypo	sig	chr16_29218343
chr17	80834404	80834404	+	1.812E-12	1.7923E-11	0.207897	hyper	sig	chr17_80834404
chr15	78757218	78757218	+	1.813E-12	1.793E-11	-0.23444	hypo	sig	chr15_78757218
chr14	92322573	92322573	+	1.814E-12	1.7932E-11	0.235846	hyper	sig	chr14_92322573
chr3	1.61E+08	160757232	+	1.816E-12	1.7953E-11	0.208545	hyper	sig	chr3_160757232
chr7	1231002	1231002	+	1.817E-12	1.7965E-11	0.266242	hyper	sig	chr7_1231002
chr15	88769831	88769831	+	1.818E-12	1.7972E-11	0.225642	hyper	sig	chr15_88769831
chr14	57866395	57866395	+	1.819E-12	1.7982E-11	0.29277	hyper	sig	chr14_57866395

chr16	3175004	3175004	+	1.824E-12	1.8036E-11	0.237807	hyper	sig	chr16_3175004
chr1	1.52E+08	151839065	+	1.826E-12	1.8049E-11	0.313769	hyper	sig	chr1_151839065
chr5	2757130	2757130	+	1.826E-12	1.8051E-11	0.268229	hyper	sig	chr5_2757130
chr12	1.33E+08	132888347	+	1.827E-12	1.8059E-11	0.262126	hyper	sig	chr12_132888347
chr7	2527065	2527065	+	1.827E-12	1.8061E-11	-0.21176	hypo	sig	chr7_2527065
chr6	32152146	32152146	+	1.827E-12	1.8063E-11	0.236095	hyper	sig	chr6_32152146
chr17	19978319	19978319	+	1.828E-12	1.8072E-11	0.245994	hyper	sig	chr17_19978319
chr11	1.34E+08	134393219	+	1.829E-12	1.8076E-11	-0.22055	hypo	sig	chr11_134393219
chr1	2.08E+08	207865068	+	1.83E-12	1.8089E-11	-0.22276	hypo	sig	chr1_207865068
chr1	3063530	3063530	+	1.832E-12	1.8104E-11	0.232965	hyper	sig	chr1_3063530
chr6	1.12E+08	112363031	+	1.832E-12	1.8111E-11	-0.2432	hypo	sig	chr6_112363031
chr6	29755538	29755538	+	1.834E-12	1.8125E-11	0.228376	hyper	sig	chr6_29755538
chr17	68601926	68601926	+	1.834E-12	1.8128E-11	-0.20482	hypo	sig	chr17_68601926
chr14	90759089	90759089	+	1.836E-12	1.8146E-11	0.256134	hyper	sig	chr14_90759089
chr16	89664732	89664732	+	1.837E-12	1.8152E-11	0.241913	hyper	sig	chr16_89664732
chr13	1.12E+08	111972518	+	1.839E-12	1.8169E-11	0.241786	hyper	sig	chr13_111972518
chr4	386607	386607	+	1.839E-12	1.8178E-11	0.24505	hyper	sig	chr4_386607
chr3	75604410	75604410	+	1.84E-12	1.8186E-11	-0.29068	hypo	sig	chr3_75604410
chr4	1593727	1593727	+	1.841E-12	1.8191E-11	0.202745	hyper	sig	chr4_1593727
chr12	1.33E+08	132882363	+	1.841E-12	1.8196E-11	0.222335	hyper	sig	chr12_132882363
chr8	64382062	64382062	+	1.843E-12	1.8208E-11	0.230248	hyper	sig	chr8_64382062
chr10	1469041	1469041	+	1.843E-12	1.8215E-11	-0.23098	hypo	sig	chr10_1469041
chr10	1.33E+08	133332841	+	1.843E-12	1.8216E-11	-0.29285	hypo	sig	chr10_133332841
chr8	57143301	57143301	+	1.845E-12	1.8227E-11	0.326343	hyper	sig	chr8_57143301
chr20	63006021	63006021	+	1.845E-12	1.8229E-11	0.239534	hyper	sig	chr20_63006021
chr14	95884271	95884271	+	1.846E-12	1.8238E-11	-0.27683	hypo	sig	chr14_95884271
chr10	92420406	92420406	+	1.846E-12	1.8238E-11	0.203187	hyper	sig	chr10_92420406
chr8	1.42E+08	141602785	+	1.846E-12	1.824E-11	-0.23208	hypo	sig	chr8_141602785
chr7	1.56E+08	155576727	+	1.846E-12	1.8242E-11	-0.27278	hypo	sig	chr7_155576727
chr6	86937429	86937429	+	1.846E-12	1.8243E-11	0.321472	hyper	sig	chr6_86937429
chr9	1.3E+08	129598552	+	1.848E-12	1.8257E-11	-0.23445	hypo	sig	chr9_129598552
chr5	51377903	51377903	+	1.848E-12	1.8259E-11	0.207029	hyper	sig	chr5_51377903
chr6	29627398	29627398	+	1.849E-12	1.8265E-11	0.293803	hyper	sig	chr6_29627398
chr1	17149358	17149358	+	1.85E-12	1.8272E-11	0.29684	hyper	sig	chr1_17149358
chr19	2546969	2546969	+	1.85E-12	1.8273E-11	-0.20816	hypo	sig	chr19_2546969
chr4	1.57E+08	157220821	+	1.85E-12	1.8279E-11	0.233467	hyper	sig	chr4_157220821
chr10	42368047	42368047	+	1.85E-12	1.828E-11	0.254248	hyper	sig	chr10_42368047
chr5	1.41E+08	141478136	+	1.85E-12	1.828E-11	0.227854	hyper	sig	chr5_141478136
chr13	50843877	50843877	+	1.852E-12	1.8293E-11	0.227106	hyper	sig	chr13_50843877
chr1	24931322	24931322	+	1.854E-12	1.8311E-11	0.341551	hyper	sig	chr1_24931322
chr19	1005312	1005312	+	1.854E-12	1.8316E-11	-0.207	hypo	sig	chr19_1005312
chr9	1.05E+08	104928489	+	1.854E-12	1.8318E-11	0.258315	hyper	sig	chr9_104928489
chr1	26282508	26282508	+	1.855E-12	1.8321E-11	0.246411	hyper	sig	chr1_26282508
chr7	63349327	63349327	+	1.855E-12	1.8323E-11	-0.24275	hypo	sig	chr7_63349327
chr12	1.24E+08	124289359	+	1.858E-12	1.8355E-11	0.204849	hyper	sig	chr12_124289359
chr2	86338875	86338875	+	1.859E-12	1.8359E-11	-0.21445	hypo	sig	chr2_86338875
chr14	36584459	36584459	+	1.86E-12	1.8366E-11	0.265963	hyper	sig	chr14_36584459
chr10	49763561	49763561	+	1.86E-12	1.8374E-11	-0.23586	hypo	sig	chr10_49763561
chr10	23172328	23172328	+	1.861E-12	1.8382E-11	0.303382	hyper	sig	chr10_23172328
chr19	38813135	38813135	+	1.862E-12	1.839E-11	-0.23614	hypo	sig	chr19_38813135
chr7	1.41E+08	140527446	+	1.862E-12	1.8391E-11	-0.25829	hypo	sig	chr7_140527446
chr10	1.32E+08	132272350	+	1.863E-12	1.8394E-11	0.248063	hyper	sig	chr10_132272350
chr19	10230103	10230103	+	1.863E-12	1.8394E-11	0.221277	hyper	sig	chr19_10230103
chr7	90321165	90321165	+	1.863E-12	1.8394E-11	0.212835	hyper	sig	chr7_90321165
chr1	2.32E+08	231527683	+	1.865E-12	1.8414E-11	-0.20411	hypo	sig	chr1_231527683
chr7	1.56E+08	156122290	+	1.865E-12	1.8419E-11	-0.25532	hypo	sig	chr7_156122290

chr3	51955777	51955777	+	1.866E-12	1.8428E-11	0.225775	hyper	sig	chr3_51955777
chr5	1100175	1100175	+	1.867E-12	1.8437E-11	0.259907	hyper	sig	chr5_1100175
chr5	2558905	2558905	+	1.869E-12	1.8454E-11	-0.24981	hypo	sig	chr5_2558905
chr22	43223779	43223779	+	1.869E-12	1.8456E-11	-0.23252	hypo	sig	chr22_43223779
chr10	1E+08	100349170	+	1.87E-12	1.846E-11	-0.25142	hypo	sig	chr10_100349170
chr12	139937	139937	+	1.87E-12	1.8461E-11	0.295584	hyper	sig	chr12_139937
chr1	22563103	22563103	+	1.871E-12	1.8477E-11	0.261395	hyper	sig	chr1_22563103
chr17	49852194	49852194	+	1.873E-12	1.8491E-11	-0.21645	hypo	sig	chr17_49852194
chr7	90321220	90321220	+	1.874E-12	1.8503E-11	0.227786	hyper	sig	chr7_90321220
chr17	60139245	60139245	+	1.874E-12	1.8507E-11	0.216404	hyper	sig	chr17_60139245
chr4	1.57E+08	157204788	+	1.875E-12	1.8509E-11	-0.25496	hypo	sig	chr4_157204788
chr3	14564301	14564301	+	1.876E-12	1.8526E-11	-0.29076	hypo	sig	chr3_14564301
chr3	1.94E+08	194397950	+	1.877E-12	1.8532E-11	0.250672	hyper	sig	chr3_194397950
chr14	69850511	69850511	+	1.878E-12	1.854E-11	-0.27064	hypo	sig	chr14_69850511
chr1	15741114	15741114	+	1.879E-12	1.8549E-11	-0.23447	hypo	sig	chr1_15741114
chr6	31853065	31853065	+	1.88E-12	1.8559E-11	-0.20577	hypo	sig	chr6_31853065
chr14	60507360	60507360	+	1.881E-12	1.8566E-11	0.282243	hyper	sig	chr14_60507360
chr19	38813289	38813289	+	1.881E-12	1.8567E-11	-0.3015	hypo	sig	chr19_38813289
chr8	90082244	90082244	+	1.881E-12	1.8571E-11	0.233275	hyper	sig	chr8_90082244
chr7	1455641	1455641	+	1.884E-12	1.8594E-11	-0.26083	hypo	sig	chr7_1455641
chr9	1.37E+08	137031308	+	1.884E-12	1.8599E-11	-0.2157	hypo	sig	chr9_137031308
chr6	1.61E+08	161234011	+	1.886E-12	1.8616E-11	-0.20774	hypo	sig	chr6_161234011
chr6	10881817	10881817	+	1.887E-12	1.8626E-11	0.279682	hyper	sig	chr6_10881817
chr7	27101872	27101872	+	1.888E-12	1.8632E-11	0.305226	hyper	sig	chr7_27101872
chr17	77233605	77233605	+	1.889E-12	1.8647E-11	-0.20127	hypo	sig	chr17_77233605
chr22	16602984	16602984	+	1.891E-12	1.8668E-11	0.27574	hyper	sig	chr22_16602984
chr6	1.37E+08	137495911	+	1.893E-12	1.8678E-11	0.245867	hyper	sig	chr6_137495911
chr7	1753096	1753096	+	1.894E-12	1.8691E-11	-0.29354	hypo	sig	chr7_1753096
chr7	26245257	26245257	+	1.894E-12	1.8692E-11	-0.25454	hypo	sig	chr7_26245257
chr10	965472	965472	+	1.895E-12	1.8702E-11	0.212381	hyper	sig	chr10_965472
chr9	1.25E+08	125410466	+	1.895E-12	1.8702E-11	-0.23873	hypo	sig	chr9_125410466
chr6	89894580	89894580	+	1.896E-12	1.8708E-11	-0.21896	hypo	sig	chr6_89894580
chr2	64990434	64990434	+	1.897E-12	1.8721E-11	-0.20995	hypo	sig	chr2_64990434
chr10	1.18E+08	117536414	+	1.898E-12	1.8727E-11	0.281707	hyper	sig	chr10_117536414
chr16	68447640	68447640	+	1.899E-12	1.8737E-11	0.322527	hyper	sig	chr16_68447640
chr13	1.14E+08	113535720	+	1.899E-12	1.8743E-11	-0.23174	hypo	sig	chr13_113535720
chr17	47867120	47867120	+	1.9E-12	1.8746E-11	0.241195	hyper	sig	chr17_47867120
chr2	2.42E+08	241552998	+	1.9E-12	1.8747E-11	-0.28095	hypo	sig	chr2_241552998
chr12	26233885	26233885	+	1.904E-12	1.8786E-11	0.21001	hyper	sig	chr12_26233885
chr6	36285306	36285306	+	1.904E-12	1.8786E-11	0.225195	hyper	sig	chr6_36285306
chr7	1.49E+08	149072082	+	1.904E-12	1.8786E-11	0.259673	hyper	sig	chr7_149072082
chr8	788316	788316	+	1.904E-12	1.8787E-11	-0.21257	hypo	sig	chr8_788316
chr2	29921286	29921286	+	1.905E-12	1.8794E-11	0.222185	hyper	sig	chr2_29921286
chr10	93061199	93061199	+	1.905E-12	1.8795E-11	0.362704	hyper	sig	chr10_93061199
chr5	1.35E+08	135327168	+	1.906E-12	1.8806E-11	0.217185	hyper	sig	chr5_135327168
chr5	1.41E+08	141101443	+	1.907E-12	1.8815E-11	-0.25466	hypo	sig	chr5_141101443
chr2	2.42E+08	241804234	+	1.908E-12	1.8826E-11	0.263975	hyper	sig	chr2_241804234
chr12	53975260	53975260	+	1.909E-12	1.8836E-11	0.330684	hyper	sig	chr12_53975260
chr9	1.37E+08	137175293	+	1.911E-12	1.885E-11	0.225281	hyper	sig	chr9_137175293
chr19	51104086	51104086	+	1.913E-12	1.8872E-11	0.342423	hyper	sig	chr19_51104086
chr17	50559271	50559271	+	1.914E-12	1.8878E-11	0.215251	hyper	sig	chr17_50559271
chr11	1.29E+08	128693028	+	1.914E-12	1.8878E-11	0.261979	hyper	sig	chr11_128693028
chr11	6319053	6319053	+	1.914E-12	1.8882E-11	0.276125	hyper	sig	chr11_6319053
chr1	2534105	2534105	+	1.915E-12	1.8886E-11	-0.21879	hypo	sig	chr1_2534105
chr1	2.48E+08	247531194	+	1.916E-12	1.8895E-11	0.222061	hyper	sig	chr1_247531194
chr16	89064554	89064554	+	1.918E-12	1.892E-11	-0.21994	hypo	sig	chr16_89064554

chr5	1.46E+08	146338932	+	1.918E-12	1.8921E-11	0.210364	hyper	sig	chr5_146338932
chr19	17282548	17282548	+	1.919E-12	1.8932E-11	0.231523	hyper	sig	chr19_17282548
chr17	78498975	78498975	+	1.921E-12	1.8945E-11	-0.21726	hypo	sig	chr17_78498975
chr11	2301287	2301287	+	1.921E-12	1.8948E-11	-0.24819	hypo	sig	chr11_2301287
chr11	354001	354001	+	1.921E-12	1.895E-11	-0.24193	hypo	sig	chr11_354001
chr10	1.32E+08	132206338	+	1.923E-12	1.8967E-11	-0.22091	hypo	sig	chr10_132206338
chr7	50303702	50303702	+	1.924E-12	1.8973E-11	0.24943	hyper	sig	chr7_50303702
chr5	77545832	77545832	+	1.924E-12	1.8976E-11	-0.21741	hypo	sig	chr5_77545832
chr6	72182364	72182364	+	1.926E-12	1.8998E-11	0.286977	hyper	sig	chr6_72182364
chr17	79048398	79048398	+	1.928E-12	1.9008E-11	-0.25294	hypo	sig	chr17_79048398
chr2	2.41E+08	240519410	+	1.929E-12	1.9023E-11	0.287309	hyper	sig	chr2_240519410
chr12	1.13E+08	113103893	+	1.93E-12	1.9029E-11	0.293249	hyper	sig	chr12_113103893
chr7	1.51E+08	151019291	+	1.93E-12	1.903E-11	0.217398	hyper	sig	chr7_151019291
chr2	1.35E+08	134717919	+	1.933E-12	1.9055E-11	0.329866	hyper	sig	chr2_134717919
chr1	1.19E+08	118989704	+	1.933E-12	1.9061E-11	0.224603	hyper	sig	chr1_118989704
chr10	1469033	1469033	+	1.933E-12	1.9062E-11	-0.22022	hypo	sig	chr10_1469033
chr10	99531161	99531161	+	1.934E-12	1.9067E-11	0.204377	hyper	sig	chr10_99531161
chr17	45395607	45395607	+	1.934E-12	1.9067E-11	0.321608	hyper	sig	chr17_45395607
chr1	39082277	39082277	+	1.934E-12	1.907E-11	0.243073	hyper	sig	chr1_39082277
chr12	52258958	52258958	+	1.935E-12	1.9074E-11	0.243022	hyper	sig	chr12_52258958
chr9	1.37E+08	136949301	+	1.936E-12	1.909E-11	-0.20734	hypo	sig	chr9_136949301
chr5	17276312	17276312	+	1.937E-12	1.9101E-11	-0.28296	hypo	sig	chr5_17276312
chr5	1.79E+08	179218693	+	1.939E-12	1.9113E-11	-0.28888	hypo	sig	chr5_179218693
chr6	53665802	53665802	+	1.94E-12	1.9123E-11	0.206481	hyper	sig	chr6_53665802
chr5	10310658	10310658	+	1.941E-12	1.9131E-11	-0.20319	hypo	sig	chr5_10310658
chr6	33392875	33392875	+	1.942E-12	1.914E-11	-0.20711	hypo	sig	chr6_33392875
chr8	56446220	56446220	+	1.942E-12	1.9145E-11	0.315956	hyper	sig	chr8_56446220
chr11	1037775	1037775	+	1.943E-12	1.9151E-11	-0.23871	hypo	sig	chr11_1037775
chr6	10881788	10881788	+	1.944E-12	1.9168E-11	0.235607	hyper	sig	chr6_10881788
chr15	82681050	82681050	+	1.945E-12	1.9174E-11	0.268671	hyper	sig	chr15_82681050
chr16	31569643	31569643	+	1.945E-12	1.9174E-11	0.2219	hyper	sig	chr16_31569643
chr1	65526110	65526110	+	1.946E-12	1.9183E-11	0.234737	hyper	sig	chr1_65526110
chr20	33018677	33018677	+	1.948E-12	1.9199E-11	-0.28675	hypo	sig	chr20_33018677
chr14	1.06E+08	105772898	+	1.948E-12	1.9205E-11	-0.26507	hypo	sig	chr14_105772898
chr1	16872266	16872266	+	1.948E-12	1.9205E-11	0.211619	hyper	sig	chr1_16872266
chr19	58368488	58368488	+	1.949E-12	1.9207E-11	0.229109	hyper	sig	chr19_58368488
chr7	4205700	4205700	+	1.949E-12	1.9209E-11	-0.29472	hypo	sig	chr7_4205700
chr2	2.39E+08	239317259	+	1.949E-12	1.9215E-11	0.276995	hyper	sig	chr2_239317259
chr2	2.22E+08	222303502	+	1.95E-12	1.9217E-11	0.30574	hyper	sig	chr2_222303502
chr8	1668256	1668256	+	1.95E-12	1.9221E-11	-0.2504	hypo	sig	chr8_1668256
chr20	38725074	38725074	+	1.953E-12	1.9254E-11	0.203314	hyper	sig	chr20_38725074
chr9	36169952	36169952	+	1.955E-12	1.9267E-11	-0.20802	hypo	sig	chr9_36169952
chr7	1.5E+08	149692564	+	1.955E-12	1.927E-11	0.309621	hyper	sig	chr7_149692564
chr14	37602209	37602209	+	1.956E-12	1.9272E-11	0.228022	hyper	sig	chr14_37602209
chr19	10713031	10713031	+	1.959E-12	1.9308E-11	-0.27222	hypo	sig	chr19_10713031
chr17	78175090	78175090	+	1.959E-12	1.9308E-11	-0.27576	hypo	sig	chr17_78175090
chr10	1.05E+08	104641609	+	1.96E-12	1.9315E-11	0.254901	hyper	sig	chr10_104641609
chr19	611431	611431	+	1.961E-12	1.9324E-11	-0.2583	hypo	sig	chr19_611431
chr16	3161317	3161317	+	1.961E-12	1.9326E-11	-0.20821	hypo	sig	chr16_3161317
chr16	3950664	3950664	+	1.961E-12	1.9327E-11	-0.20811	hypo	sig	chr16_3950664
chr2	1.76E+08	176084031	+	1.962E-12	1.9333E-11	0.206022	hyper	sig	chr2_176084031
chr22	25421540	25421540	+	1.969E-12	1.9398E-11	0.203718	hyper	sig	chr22_25421540
chr17	76000328	76000328	+	1.969E-12	1.9405E-11	0.21413	hyper	sig	chr17_76000328
chr9	1.31E+08	130919132	+	1.971E-12	1.942E-11	-0.23315	hypo	sig	chr9_130919132
chr11	69075543	69075543	+	1.972E-12	1.9427E-11	0.208397	hyper	sig	chr11_69075543
chr6	32843056	32843056	+	1.972E-12	1.943E-11	-0.20721	hypo	sig	chr6_32843056

chr1	2850744	2850744	+	1.974E-12	1.9443E-11	0.247087	hyper	sig	chr1_2850744
chr6	30451485	30451485	+	1.974E-12	1.9449E-11	0.261211	hyper	sig	chr6_30451485
chr16	86508071	86508071	+	1.975E-12	1.9458E-11	0.248348	hyper	sig	chr16_86508071
chr7	1.58E+08	158239881	+	1.975E-12	1.9459E-11	-0.25319	hypo	sig	chr7_158239881
chr1	1.61E+08	161198423	+	1.975E-12	1.9461E-11	0.314331	hyper	sig	chr1_161198423
chr8	1.43E+08	143426509	+	1.977E-12	1.9473E-11	0.302251	hyper	sig	chr8_143426509
chr11	75242440	75242440	+	1.977E-12	1.9473E-11	0.207676	hyper	sig	chr11_75242440
chr12	71377347	71377347	+	1.977E-12	1.9475E-11	-0.28388	hypo	sig	chr12_71377347
chr2	68774946	68774946	+	1.978E-12	1.9479E-11	-0.20362	hypo	sig	chr2_68774946
chr8	72251479	72251479	+	1.979E-12	1.9488E-11	0.312574	hyper	sig	chr8_72251479
chr1	2.08E+08	207645238	+	1.979E-12	1.9494E-11	0.299527	hyper	sig	chr1_207645238
chr7	1.29E+08	128794557	+	1.98E-12	1.9501E-11	-0.24539	hypo	sig	chr7_128794557
chr14	37622381	37622381	+	1.982E-12	1.952E-11	0.269422	hyper	sig	chr14_37622381
chr1	53276734	53276734	+	1.983E-12	1.9529E-11	0.229402	hyper	sig	chr1_53276734
chr18	57428654	57428654	+	1.983E-12	1.9531E-11	0.222595	hyper	sig	chr18_57428654
chr16	2712641	2712641	+	1.985E-12	1.9554E-11	-0.24884	hypo	sig	chr16_2712641
chr17	4900302	4900302	+	1.986E-12	1.9556E-11	0.295401	hyper	sig	chr17_4900302
chr17	79458284	79458284	+	1.987E-12	1.9566E-11	-0.2338	hypo	sig	chr17_79458284
chr11	2266498	2266498	+	1.987E-12	1.9566E-11	-0.2372	hypo	sig	chr11_2266498
chr15	82662894	82662894	+	1.987E-12	1.9568E-11	-0.23115	hypo	sig	chr15_82662894
chr5	1.41E+08	141364809	+	1.989E-12	1.9586E-11	0.256745	hyper	sig	chr5_141364809
chr7	1.55E+08	155382552	+	1.989E-12	1.9586E-11	0.317671	hyper	sig	chr7_155382552
chr15	37102485	37102485	+	1.99E-12	1.9596E-11	0.314057	hyper	sig	chr15_37102485
chr2	29919979	29919979	+	1.991E-12	1.9609E-11	0.258862	hyper	sig	chr2_29919979
chr7	65731758	65731758	+	1.992E-12	1.9611E-11	0.223515	hyper	sig	chr7_65731758
chr17	8347285	8347285	+	1.992E-12	1.9619E-11	0.22513	hyper	sig	chr17_8347285
chr19	37691974	37691974	+	1.993E-12	1.9622E-11	0.227268	hyper	sig	chr19_37691974
chr7	15685554	15685554	+	1.993E-12	1.9627E-11	0.247024	hyper	sig	chr7_15685554
chr8	1.41E+08	141254701	+	1.994E-12	1.9632E-11	0.210856	hyper	sig	chr8_141254701
chr1	2.47E+08	246697012	+	1.994E-12	1.9633E-11	-0.24531	hypo	sig	chr1_246697012
chr5	1.41E+08	141365773	+	1.994E-12	1.9636E-11	0.246651	hyper	sig	chr5_141365773
chr11	73342679	73342679	+	1.995E-12	1.964E-11	0.22708	hyper	sig	chr11_73342679
chr8	1.43E+08	143117467	+	1.995E-12	1.9644E-11	-0.21371	hypo	sig	chr8_143117467
chr7	1.56E+08	156466534	+	1.995E-12	1.9645E-11	0.265312	hyper	sig	chr7_156466534
chr16	54291335	54291335	+	1.996E-12	1.965E-11	0.263554	hyper	sig	chr16_54291335
chr16	49462822	49462822	+	1.998E-12	1.9666E-11	-0.20871	hypo	sig	chr16_49462822
chr19	3773247	3773247	+	1.998E-12	1.9669E-11	-0.20458	hypo	sig	chr19_3773247
chr12	1.14E+08	114406431	+	1.998E-12	1.9674E-11	0.222431	hyper	sig	chr12_114406431
chr10	1.33E+08	133264824	+	1.999E-12	1.9676E-11	-0.28086	hypo	sig	chr10_133264824
chr16	88151339	88151339	+	2E-12	1.9687E-11	-0.23597	hypo	sig	chr16_88151339
chr7	23246080	23246080	+	2E-12	1.9692E-11	-0.25914	hypo	sig	chr7_23246080
chr13	1.14E+08	114054415	+	2.001E-12	1.9695E-11	-0.28657	hypo	sig	chr13_114054415
chr2	69387971	69387971	+	2.001E-12	1.9698E-11	-0.24906	hypo	sig	chr2_69387971
chr8	1.44E+08	143718827	+	2.004E-12	1.9731E-11	-0.22804	hypo	sig	chr8_143718827
chr2	1.09E+08	109132570	+	2.008E-12	1.9763E-11	-0.20317	hypo	sig	chr2_109132570
chr16	86507831	86507831	+	2.008E-12	1.9765E-11	0.280334	hyper	sig	chr16_86507831
chr11	5935373	5935373	+	2.008E-12	1.9765E-11	-0.20631	hypo	sig	chr11_5935373
chr19	3507869	3507869	+	2.009E-12	1.977E-11	0.208846	hyper	sig	chr19_3507869
chr8	890221	890221	+	2.009E-12	1.977E-11	-0.21611	hypo	sig	chr8_890221
chr11	61126189	61126189	+	2.009E-12	1.9774E-11	0.268332	hyper	sig	chr11_61126189
chr10	1.01E+08	101228428	+	2.01E-12	1.9781E-11	0.238548	hyper	sig	chr10_101228428
chr1	1.52E+08	152107995	+	2.011E-12	1.9787E-11	0.217088	hyper	sig	chr1_152107995
chr17	41316187	41316187	+	2.011E-12	1.9792E-11	-0.2645	hypo	sig	chr17_41316187
chr5	3597197	3597197	+	2.012E-12	1.9805E-11	0.237465	hyper	sig	chr5_3597197
chr7	1E+08	100381916	+	2.013E-12	1.9813E-11	0.202376	hyper	sig	chr7_100381916
chr14	30875823	30875823	+	2.013E-12	1.9813E-11	0.254005	hyper	sig	chr14_30875823

chr5	42993940	42993940	+	2.014E-12	1.9822E-11	0.203376	hyper	sig	chr5_42993940
chr1	34780622	34780622	+	2.015E-12	1.9827E-11	-0.22871	hypo	sig	chr1_34780622
chr5	1794542	1794542	+	2.015E-12	1.9827E-11	-0.30761	hypo	sig	chr5_1794542
chr17	81600605	81600605	+	2.016E-12	1.9841E-11	0.218411	hyper	sig	chr17_81600605
chr10	80357466	80357466	+	2.017E-12	1.9844E-11	0.32682	hyper	sig	chr10_80357466
chr19	3828643	3828643	+	2.017E-12	1.9849E-11	-0.23248	hypo	sig	chr19_3828643
chr6	30915837	30915837	+	2.018E-12	1.9857E-11	0.234933	hyper	sig	chr6_30915837
chr3	40615759	40615759	+	2.018E-12	1.986E-11	0.247581	hyper	sig	chr3_40615759
chr14	1.01E+08	100709661	+	2.021E-12	1.9881E-11	0.31677	hyper	sig	chr14_100709661
chr19	45815368	45815368	+	2.021E-12	1.9881E-11	0.297328	hyper	sig	chr19_45815368
chr10	1.05E+08	104640128	+	2.023E-12	1.9901E-11	0.271834	hyper	sig	chr10_104640128
chr19	18220360	18220360	+	2.027E-12	1.9947E-11	-0.23719	hypo	sig	chr19_18220360
chr7	1513579	1513579	+	2.029E-12	1.9959E-11	-0.2171	hypo	sig	chr7_1513579
chr13	87678178	87678178	+	2.031E-12	1.9978E-11	0.201025	hyper	sig	chr13_87678178
chr14	91415144	91415144	+	2.031E-12	1.9982E-11	-0.20212	hypo	sig	chr14_91415144
chr2	81194685	81194685	+	2.032E-12	1.9993E-11	-0.22014	hypo	sig	chr2_81194685
chr8	27919371	27919371	+	2.034E-12	2.0006E-11	-0.20163	hypo	sig	chr8_27919371
chr1	2934117	2934117	+	2.034E-12	2.0007E-11	0.207416	hyper	sig	chr1_2934117
chr5	1.43E+08	142686111	+	2.035E-12	2.0021E-11	0.202912	hyper	sig	chr5_142686111
chr1	1.57E+08	156676542	+	2.037E-12	2.0034E-11	0.202523	hyper	sig	chr1_156676542
chr9	1.35E+08	134820930	+	2.037E-12	2.0039E-11	-0.30008	hypo	sig	chr9_134820930
chr13	28533097	28533097	+	2.038E-12	2.0047E-11	0.304926	hyper	sig	chr13_28533097
chr11	32426716	32426716	+	2.038E-12	2.0048E-11	0.306503	hyper	sig	chr11_32426716
chr5	1.41E+08	141399774	+	2.039E-12	2.0053E-11	0.251654	hyper	sig	chr5_141399774
chr17	83075687	83075687	+	2.039E-12	2.0055E-11	-0.2931	hypo	sig	chr17_83075687
chr6	17973444	17973444	+	2.039E-12	2.0055E-11	0.202844	hyper	sig	chr6_17973444
chr11	64712015	64712015	+	2.04E-12	2.0063E-11	0.25777	hyper	sig	chr11_64712015
chr10	79382543	79382543	+	2.041E-12	2.0073E-11	0.220032	hyper	sig	chr10_79382543
chr1	1.48E+08	148329053	+	2.043E-12	2.0091E-11	0.254711	hyper	sig	chr1_148329053
chr17	8397850	8397850	+	2.044E-12	2.0101E-11	-0.24984	hypo	sig	chr17_8397850
chr8	22691390	22691390	+	2.045E-12	2.0113E-11	0.208655	hyper	sig	chr8_22691390
chr19	1766166	1766166	+	2.046E-12	2.0121E-11	0.251148	hyper	sig	chr19_1766166
chr8	54615426	54615426	+	2.047E-12	2.0136E-11	-0.20256	hypo	sig	chr8_54615426
chr4	1407598	1407598	+	2.048E-12	2.014E-11	0.301802	hyper	sig	chr4_1407598
chr5	28810526	28810526	+	2.049E-12	2.0152E-11	-0.29165	hypo	sig	chr5_28810526
chr2	66444672	66444672	+	2.05E-12	2.0163E-11	0.322108	hyper	sig	chr2_66444672
chr2	2.22E+08	222291405	+	2.051E-12	2.0169E-11	0.210186	hyper	sig	chr2_222291405
chr14	23119847	23119847	+	2.051E-12	2.017E-11	-0.22215	hypo	sig	chr14_23119847
chr19	8596215	8596215	+	2.055E-12	2.0206E-11	-0.33615	hypo	sig	chr19_8596215
chr12	1.32E+08	132347066	+	2.059E-12	2.0247E-11	-0.22397	hypo	sig	chr12_132347066
chr14	24132586	24132586	+	2.06E-12	2.0254E-11	-0.22186	hypo	sig	chr14_24132586
chr19	49338806	49338806	+	2.062E-12	2.0274E-11	0.228046	hyper	sig	chr19_49338806
chr10	1.32E+08	131519329	+	2.063E-12	2.0283E-11	0.203645	hyper	sig	chr10_131519329
chr8	1030236	1030236	+	2.063E-12	2.0283E-11	-0.23133	hypo	sig	chr8_1030236
chr17	39917319	39917319	+	2.063E-12	2.0288E-11	-0.21399	hypo	sig	chr17_39917319
chr17	1904498	1904498	+	2.063E-12	2.0289E-11	-0.25162	hypo	sig	chr17_1904498
chr12	1.18E+08	118108320	+	2.064E-12	2.0291E-11	-0.3011	hypo	sig	chr12_118108320
chr8	1.42E+08	141760604	+	2.064E-12	2.0292E-11	-0.20595	hypo	sig	chr8_141760604
chr14	1.03E+08	103187243	+	2.064E-12	2.0293E-11	-0.21587	hypo	sig	chr14_103187243
chr11	95037845	95037845	+	2.065E-12	2.0306E-11	0.255934	hyper	sig	chr11_95037845
chr5	1.41E+08	140797105	+	2.065E-12	2.0306E-11	0.208818	hyper	sig	chr5_140797105
chr3	46577045	46577045	+	2.067E-12	2.0321E-11	0.234222	hyper	sig	chr3_46577045
chr10	1.18E+08	117551964	+	2.068E-12	2.0331E-11	0.212202	hyper	sig	chr10_117551964
chr1	2.06E+08	206118061	+	2.07E-12	2.0355E-11	0.207026	hyper	sig	chr1_206118061
chr5	1.81E+08	180786119	+	2.072E-12	2.037E-11	0.287801	hyper	sig	chr5_180786119
chr4	1.66E+08	165874483	+	2.072E-12	2.0371E-11	0.225554	hyper	sig	chr4_165874483

chr19	58013077	58013077	+	2.072E-12	2.0373E-11	-0.23321	hypo	sig	chr19_58013077
chr5	1.77E+08	177328283	+	2.074E-12	2.0384E-11	-0.25033	hypo	sig	chr5_177328283
chr1	1.47E+08	147076973	+	2.074E-12	2.0391E-11	0.210482	hyper	sig	chr1_147076973
chr13	1.13E+08	112957092	+	2.078E-12	2.0422E-11	0.20296	hyper	sig	chr13_112957092
chr2	2.41E+08	240819004	+	2.079E-12	2.044E-11	0.210258	hyper	sig	chr2_240819004
chr16	71230616	71230616	+	2.08E-12	2.0446E-11	0.238691	hyper	sig	chr16_71230616
chr22	37321097	37321097	+	2.08E-12	2.0446E-11	-0.20153	hypo	sig	chr22_37321097
chr10	8043657	8043657	+	2.08E-12	2.0447E-11	0.25014	hyper	sig	chr10_8043657
chr22	37334655	37334655	+	2.08E-12	2.0449E-11	0.200277	hyper	sig	chr22_37334655
chr14	1.03E+08	103203824	+	2.082E-12	2.0465E-11	-0.25309	hypo	sig	chr14_103203824
chr7	1234601	1234601	+	2.083E-12	2.0469E-11	0.309644	hyper	sig	chr7_1234601
chr19	40623980	40623980	+	2.083E-12	2.0475E-11	-0.23007	hypo	sig	chr19_40623980
chr7	27107981	27107981	+	2.083E-12	2.0475E-11	0.261244	hyper	sig	chr7_27107981
chr13	36346634	36346634	+	2.084E-12	2.0482E-11	0.231332	hyper	sig	chr13_36346634
chr1	11898226	11898226	+	2.084E-12	2.0482E-11	0.35601	hyper	sig	chr1_11898226
chr10	52411178	52411178	+	2.084E-12	2.0483E-11	0.202108	hyper	sig	chr10_52411178
chr7	1.59E+08	159027785	+	2.084E-12	2.0486E-11	-0.26321	hypo	sig	chr7_159027785
chr16	83924488	83924488	+	2.084E-12	2.0486E-11	0.224124	hyper	sig	chr16_83924488
chr1	1.56E+08	155942787	+	2.085E-12	2.0492E-11	-0.25588	hypo	sig	chr1_155942787
chr19	52453964	52453964	+	2.087E-12	2.0512E-11	0.337455	hyper	sig	chr19_52453964
chr1	57423338	57423338	+	2.089E-12	2.0534E-11	0.218019	hyper	sig	chr1_57423338
chr2	1.76E+08	176201198	+	2.09E-12	2.0538E-11	0.220275	hyper	sig	chr2_176201198
chr2	47572113	47572113	+	2.092E-12	2.0554E-11	0.236294	hyper	sig	chr2_47572113
chr12	3990813	3990813	+	2.094E-12	2.058E-11	0.222206	hyper	sig	chr12_3990813
chr9	1.36E+08	136200630	+	2.096E-12	2.0593E-11	0.253173	hyper	sig	chr9_136200630
chr6	1.29E+08	128930149	+	2.096E-12	2.0598E-11	0.277728	hyper	sig	chr6_128930149
chr11	44303529	44303529	+	2.097E-12	2.0601E-11	0.234485	hyper	sig	chr11_44303529
chr10	1.33E+08	133036784	+	2.097E-12	2.0608E-11	-0.22932	hypo	sig	chr10_133036784
chr16	1096558	1096558	+	2.098E-12	2.0616E-11	-0.255	hypo	sig	chr16_1096558
chr2	1.29E+08	128691892	+	2.099E-12	2.0622E-11	-0.24438	hypo	sig	chr2_128691892
chr14	1.05E+08	105065675	+	2.099E-12	2.0623E-11	-0.26638	hypo	sig	chr14_105065675
chr5	44389180	44389180	+	2.099E-12	2.0625E-11	0.230383	hyper	sig	chr5_44389180
chr6	31580687	31580687	+	2.099E-12	2.0627E-11	0.260273	hyper	sig	chr6_31580687
chr7	6664393	6664393	+	2.1E-12	2.063E-11	0.273354	hyper	sig	chr7_6664393
chr10	1.32E+08	132044971	+	2.101E-12	2.0644E-11	-0.2781	hypo	sig	chr10_132044971
chr2	11586959	11586959	+	2.102E-12	2.0649E-11	-0.22819	hypo	sig	chr2_11586959
chr6	1.34E+08	134176306	+	2.102E-12	2.065E-11	0.235214	hyper	sig	chr6_134176306
chr11	20670623	20670623	+	2.102E-12	2.0653E-11	0.302477	hyper	sig	chr11_20670623
chr20	25584824	25584824	+	2.103E-12	2.066E-11	0.227645	hyper	sig	chr20_25584824
chr12	4445457	4445457	+	2.103E-12	2.0661E-11	-0.22316	hypo	sig	chr12_4445457
chr3	1.57E+08	157120501	+	2.104E-12	2.0666E-11	-0.27618	hypo	sig	chr3_157120501
chr5	1.41E+08	141385005	+	2.105E-12	2.0679E-11	0.204661	hyper	sig	chr5_141385005
chr17	39747195	39747195	+	2.106E-12	2.069E-11	0.250982	hyper	sig	chr17_39747195
chr6	1.69E+08	169035330	+	2.108E-12	2.0703E-11	0.246653	hyper	sig	chr6_169035330
chr20	49318265	49318265	+	2.109E-12	2.0717E-11	0.32264	hyper	sig	chr20_49318265
chr20	3663545	3663545	+	2.109E-12	2.0718E-11	-0.22016	hypo	sig	chr20_3663545
chr10	1.32E+08	132134452	+	2.11E-12	2.0724E-11	-0.21482	hypo	sig	chr10_132134452
chr2	70889568	70889568	+	2.11E-12	2.0724E-11	0.222897	hyper	sig	chr2_70889568
chr5	59893861	59893861	+	2.111E-12	2.0734E-11	0.208897	hyper	sig	chr5_59893861
chr1	1.54E+08	153616451	+	2.111E-12	2.0737E-11	-0.25812	hypo	sig	chr1_153616451
chr5	1.41E+08	141151043	+	2.116E-12	2.0784E-11	0.23889	hyper	sig	chr5_141151043
chr8	11039939	11039939	+	2.117E-12	2.079E-11	-0.21867	hypo	sig	chr8_11039939
chr19	49182801	49182801	+	2.117E-12	2.0791E-11	0.237846	hyper	sig	chr19_49182801
chr16	3305216	3305216	+	2.118E-12	2.0797E-11	0.240725	hyper	sig	chr16_3305216
chr10	49613446	49613446	+	2.118E-12	2.08E-11	0.245004	hyper	sig	chr10_49613446
chr7	24283855	24283855	+	2.118E-12	2.0801E-11	0.336705	hyper	sig	chr7_24283855

chr7	1.52E+08	151736240	+	2.12E-12	2.0816E-11	0.219225	hyper	sig	chr7_151736240
chr12	1.25E+08	124913018	+	2.12E-12	2.0825E-11	0.209851	hyper	sig	chr12_124913018
chr5	1.79E+08	178577193	+	2.12E-12	2.0825E-11	0.263305	hyper	sig	chr5_178577193
chr7	1.5E+08	150048012	+	2.121E-12	2.0834E-11	0.225952	hyper	sig	chr7_150048012
chr4	4160949	4160949	+	2.122E-12	2.0836E-11	-0.22439	hypo	sig	chr4_4160949
chr14	95061349	95061349	+	2.122E-12	2.0839E-11	-0.30352	hypo	sig	chr14_95061349
chr7	2487757	2487757	+	2.122E-12	2.0841E-11	0.261367	hyper	sig	chr7_2487757
chr3	1.85E+08	184572615	+	2.123E-12	2.085E-11	0.222328	hyper	sig	chr3_184572615
chr16	75208216	75208216	+	2.123E-12	2.0853E-11	-0.31728	hypo	sig	chr16_75208216
chr15	96783634	96783634	+	2.124E-12	2.0857E-11	-0.24388	hypo	sig	chr15_96783634
chr11	1485726	1485726	+	2.125E-12	2.0864E-11	0.289015	hyper	sig	chr11_1485726
chr6	1.7E+08	169810623	+	2.126E-12	2.0878E-11	-0.23617	hypo	sig	chr6_169810623
chr6	35922420	35922420	+	2.126E-12	2.0879E-11	-0.24269	hypo	sig	chr6_35922420
chr1	75135343	75135343	+	2.128E-12	2.0892E-11	0.213282	hyper	sig	chr1_75135343
chr5	1.41E+08	141234558	+	2.129E-12	2.0903E-11	0.246633	hyper	sig	chr5_141234558
chr11	351152	351152	+	2.129E-12	2.0908E-11	-0.25145	hypo	sig	chr11_351152
chr19	14085744	14085744	+	2.13E-12	2.0911E-11	0.303556	hyper	sig	chr19_14085744
chr6	1635426	1635426	+	2.13E-12	2.0911E-11	0.215347	hyper	sig	chr6_1635426
chr11	1.25E+08	124748461	+	2.13E-12	2.0915E-11	0.274638	hyper	sig	chr11_124748461
chr2	86789051	86789051	+	2.13E-12	2.0917E-11	0.23752	hyper	sig	chr2_86789051
chr17	45807036	45807036	+	2.131E-12	2.0919E-11	-0.27766	hypo	sig	chr17_45807036
chr17	81962722	81962722	+	2.132E-12	2.0931E-11	0.202816	hyper	sig	chr17_81962722
chr2	2.41E+08	240775698	+	2.135E-12	2.096E-11	-0.24793	hypo	sig	chr2_240775698
chr13	1.12E+08	111509194	+	2.136E-12	2.0969E-11	-0.23021	hypo	sig	chr13_111509194
chr3	1.84E+08	184338753	+	2.136E-12	2.0969E-11	0.251485	hyper	sig	chr3_184338753
chr6	7591115	7591115	+	2.139E-12	2.0995E-11	-0.2035	hypo	sig	chr6_7591115
chr10	21167024	21167024	+	2.139E-12	2.1E-11	-0.29343	hypo	sig	chr10_21167024
chr7	43445467	43445467	+	2.14E-12	2.1004E-11	-0.22181	hypo	sig	chr7_43445467
chr12	52191961	52191961	+	2.14E-12	2.1008E-11	-0.28238	hypo	sig	chr12_52191961
chr13	1.11E+08	110645204	+	2.142E-12	2.1022E-11	0.207587	hyper	sig	chr13_110645204
chr7	1073450	1073450	+	2.142E-12	2.1024E-11	0.285492	hyper	sig	chr7_1073450
chr17	1322196	1322196	+	2.142E-12	2.1024E-11	-0.22963	hypo	sig	chr17_1322196
chr17	48554485	48554485	+	2.142E-12	2.1025E-11	0.265169	hyper	sig	chr17_48554485
chr12	1.32E+08	132391348	+	2.143E-12	2.1031E-11	-0.29892	hypo	sig	chr12_132391348
chr16	85656731	85656731	+	2.143E-12	2.1038E-11	0.250974	hyper	sig	chr16_85656731
chr19	5799299	5799299	+	2.145E-12	2.1049E-11	-0.25048	hypo	sig	chr19_5799299
chr20	38805586	38805586	+	2.146E-12	2.1061E-11	0.255795	hyper	sig	chr20_38805586
chr20	2104536	2104536	+	2.147E-12	2.1069E-11	0.256862	hyper	sig	chr20_2104536
chr6	90610585	90610585	+	2.147E-12	2.1073E-11	0.235167	hyper	sig	chr6_90610585
chr11	1.25E+08	125495106	+	2.147E-12	2.1074E-11	0.268847	hyper	sig	chr11_125495106
chr1	1648395	1648395	+	2.15E-12	2.1096E-11	-0.26205	hypo	sig	chr1_1648395
chr17	6996566	6996566	+	2.151E-12	2.1107E-11	0.237768	hyper	sig	chr17_6996566
chr13	1.12E+08	111556706	+	2.151E-12	2.1111E-11	-0.22242	hypo	sig	chr13_111556706
chr12	34385822	34385822	+	2.154E-12	2.1135E-11	-0.22009	hypo	sig	chr12_34385822
chr1	90716806	90716806	+	2.154E-12	2.1137E-11	0.359293	hyper	sig	chr1_90716806
chr7	35455210	35455210	+	2.155E-12	2.115E-11	0.281339	hyper	sig	chr7_35455210
chr7	1195296	1195296	+	2.156E-12	2.1159E-11	-0.22731	hypo	sig	chr7_1195296
chr6	1.66E+08	165819465	+	2.157E-12	2.1165E-11	0.220057	hyper	sig	chr6_165819465
chr10	683906	683906	+	2.158E-12	2.118E-11	0.217102	hyper	sig	chr10_683906
chr1	2.21E+08	220877434	+	2.159E-12	2.1181E-11	0.249742	hyper	sig	chr1_220877434
chr19	4531949	4531949	+	2.159E-12	2.1185E-11	-0.26796	hypo	sig	chr19_4531949
chr10	1.19E+08	118595358	+	2.16E-12	2.1197E-11	0.235905	hyper	sig	chr10_118595358
chr1	2.29E+08	229407739	+	2.161E-12	2.1202E-11	0.317519	hyper	sig	chr1_229407739
chr13	1.12E+08	112250064	+	2.161E-12	2.1207E-11	-0.23796	hypo	sig	chr13_112250064
chr16	29785138	29785138	+	2.162E-12	2.1209E-11	0.211586	hyper	sig	chr16_29785138
chr17	42155587	42155587	+	2.162E-12	2.1209E-11	0.273032	hyper	sig	chr17_42155587

chr9	1.38E+08	137514153	+	2.162E-12	2.1216E-11	-0.24471	hypo	sig	chr9_137514153
chr4	1.83E+08	182805512	+	2.164E-12	2.1226E-11	-0.2263	hypo	sig	chr4_182805512
chr19	48729298	48729298	+	2.164E-12	2.1231E-11	0.316478	hyper	sig	chr19_48729298
chr17	77373880	77373880	+	2.166E-12	2.1251E-11	0.218789	hyper	sig	chr17_77373880
chr7	1246636	1246636	+	2.166E-12	2.1252E-11	0.210903	hyper	sig	chr7_1246636
chr8	53241968	53241968	+	2.167E-12	2.1258E-11	-0.21409	hypo	sig	chr8_53241968
chr14	56812778	56812778	+	2.168E-12	2.1268E-11	0.217572	hyper	sig	chr14_56812778
chr14	28765766	28765766	+	2.169E-12	2.1282E-11	0.239158	hyper	sig	chr14_28765766
chr16	1258171	1258171	+	2.171E-12	2.1295E-11	-0.24456	hypo	sig	chr16_1258171
chr5	1.41E+08	141360462	+	2.171E-12	2.1295E-11	0.235339	hyper	sig	chr5_141360462
chr1	1.44E+08	143661223	+	2.173E-12	2.1313E-11	0.281404	hyper	sig	chr1_143661223
chr17	82889514	82889514	+	2.173E-12	2.1313E-11	-0.23217	hypo	sig	chr17_82889514
chr19	733368	733368	+	2.173E-12	2.1313E-11	-0.24348	hypo	sig	chr19_733368
chr12	62191334	62191334	+	2.173E-12	2.1315E-11	0.23203	hyper	sig	chr12_62191334
chr8	1411460	1411460	+	2.173E-12	2.1318E-11	-0.20845	hypo	sig	chr8_1411460
chr2	2.39E+08	239498900	+	2.176E-12	2.1346E-11	-0.23462	hypo	sig	chr2_239498900
chr12	6377473	6377473	+	2.177E-12	2.1357E-11	-0.21627	hypo	sig	chr12_6377473
chr1	2.28E+08	228149753	+	2.178E-12	2.1359E-11	0.291234	hyper	sig	chr1_228149753
chr10	1.14E+08	114401568	+	2.18E-12	2.1384E-11	0.251452	hyper	sig	chr10_114401568
chr17	60139287	60139287	+	2.18E-12	2.1386E-11	0.212061	hyper	sig	chr17_60139287
chr3	1.54E+08	154122865	+	2.181E-12	2.139E-11	0.256212	hyper	sig	chr3_154122865
chr4	55793763	55793763	+	2.182E-12	2.1398E-11	0.263318	hyper	sig	chr4_55793763
chr10	1.33E+08	132921092	+	2.183E-12	2.1414E-11	-0.20296	hypo	sig	chr10_132921092
chr2	74516194	74516194	+	2.183E-12	2.1414E-11	0.204357	hyper	sig	chr2_74516194
chr17	82876189	82876189	+	2.184E-12	2.1423E-11	-0.21477	hypo	sig	chr17_82876189
chr15	96779902	96779902	+	2.185E-12	2.1431E-11	-0.22704	hypo	sig	chr15_96779902
chr14	1.05E+08	104785014	+	2.187E-12	2.1454E-11	0.219377	hyper	sig	chr14_104785014
chr16	12903813	12903813	+	2.188E-12	2.1462E-11	0.226917	hyper	sig	chr16_12903813
chr16	1020195	1020195	+	2.189E-12	2.1472E-11	-0.28803	hypo	sig	chr16_1020195
chr4	1502900	1502900	+	2.19E-12	2.1477E-11	-0.23546	hypo	sig	chr4_1502900
chr12	1.3E+08	130440790	+	2.191E-12	2.1489E-11	-0.27319	hypo	sig	chr12_130440790
chr12	54047422	54047422	+	2.192E-12	2.1494E-11	0.248022	hyper	sig	chr12_54047422
chr6	34002143	34002143	+	2.194E-12	2.1518E-11	0.244344	hyper	sig	chr6_34002143
chr20	63006025	63006025	+	2.195E-12	2.1521E-11	0.245063	hyper	sig	chr20_63006025
chr7	1.59E+08	158979082	+	2.196E-12	2.153E-11	-0.24036	hypo	sig	chr7_158979082
chr8	1.43E+08	143283857	+	2.197E-12	2.1545E-11	-0.25443	hypo	sig	chr8_143283857
chr17	82336695	82336695	+	2.197E-12	2.1546E-11	-0.32688	hypo	sig	chr17_82336695
chr2	63056660	63056660	+	2.201E-12	2.1579E-11	0.291753	hyper	sig	chr2_63056660
chr16	54175311	54175311	+	2.202E-12	2.1593E-11	-0.26327	hypo	sig	chr16_54175311
chr9	1.36E+08	135700628	+	2.203E-12	2.1596E-11	-0.29215	hypo	sig	chr9_135700628
chr20	48359734	48359734	+	2.203E-12	2.1599E-11	-0.206	hypo	sig	chr20_48359734
chr2	98346451	98346451	+	2.204E-12	2.1613E-11	0.311534	hyper	sig	chr2_98346451
chr14	60486201	60486201	+	2.204E-12	2.1614E-11	0.256011	hyper	sig	chr14_60486201
chr6	1.68E+08	168002320	+	2.205E-12	2.162E-11	-0.22254	hypo	sig	chr6_168002320
chr7	1.58E+08	157663133	+	2.205E-12	2.1622E-11	-0.22692	hypo	sig	chr7_157663133
chr1	86156693	86156693	+	2.206E-12	2.1624E-11	0.211401	hyper	sig	chr1_86156693
chr10	16519460	16519460	+	2.206E-12	2.1629E-11	0.202484	hyper	sig	chr10_16519460
chr4	1.74E+08	173515846	+	2.207E-12	2.1637E-11	-0.29188	hypo	sig	chr4_173515846
chr6	17972645	17972645	+	2.208E-12	2.1648E-11	0.220203	hyper	sig	chr6_17972645
chr16	3203368	3203368	+	2.209E-12	2.1654E-11	-0.27358	hypo	sig	chr16_3203368
chr8	1.44E+08	143937774	+	2.21E-12	2.1665E-11	-0.22665	hypo	sig	chr8_143937774
chr2	26847496	26847496	+	2.214E-12	2.1702E-11	0.201197	hyper	sig	chr2_26847496
chr1	2.29E+08	229407939	+	2.218E-12	2.174E-11	0.309701	hyper	sig	chr1_229407939
chr7	94394510	94394510	+	2.219E-12	2.1748E-11	0.213627	hyper	sig	chr7_94394510
chr16	20964729	20964729	+	2.219E-12	2.1751E-11	-0.24888	hypo	sig	chr16_20964729
chr20	44116382	44116382	+	2.22E-12	2.1757E-11	0.275152	hyper	sig	chr20_44116382

chr17	6655532	6655532	+	2.221E-12	2.1768E-11	0.217478	hyper	sig	chr17_6655532
chr19	1170208	1170208	+	2.221E-12	2.1769E-11	0.230258	hyper	sig	chr19_1170208
chr15	79294121	79294121	+	2.222E-12	2.1778E-11	-0.26559	hypo	sig	chr15_79294121
chr19	50977540	50977540	+	2.223E-12	2.179E-11	-0.22442	hypo	sig	chr19_50977540
chr19	3178887	3178887	+	2.225E-12	2.1803E-11	-0.25399	hypo	sig	chr19_3178887
chr12	6075339	6075339	+	2.225E-12	2.1806E-11	-0.25273	hypo	sig	chr12_6075339
chr16	66579336	66579336	+	2.226E-12	2.1818E-11	0.248221	hyper	sig	chr16_66579336
chr16	89853602	89853602	+	2.229E-12	2.184E-11	-0.26969	hypo	sig	chr16_89853602
chr1	2.31E+08	230746857	+	2.231E-12	2.1866E-11	-0.21682	hypo	sig	chr1_230746857
chr7	43114292	43114292	+	2.232E-12	2.1869E-11	0.294148	hyper	sig	chr7_43114292
chr14	26205235	26205235	+	2.234E-12	2.1895E-11	0.287399	hyper	sig	chr14_26205235
chr11	1485756	1485756	+	2.235E-12	2.1902E-11	0.251734	hyper	sig	chr11_1485756
chr14	60507339	60507339	+	2.236E-12	2.1905E-11	0.267816	hyper	sig	chr14_60507339
chr15	93031945	93031945	+	2.237E-12	2.192E-11	-0.2472	hypo	sig	chr15_93031945
chr17	79925909	79925909	+	2.238E-12	2.1925E-11	-0.25724	hypo	sig	chr17_79925909
chr1	3747242	3747242	+	2.238E-12	2.1925E-11	0.239336	hyper	sig	chr1_3747242
chr19	3821350	3821350	+	2.239E-12	2.1938E-11	-0.28382	hypo	sig	chr19_3821350
chr15	25863538	25863538	+	2.24E-12	2.1948E-11	0.203056	hyper	sig	chr15_25863538
chr1	6700866	6700866	+	2.242E-12	2.1966E-11	-0.20396	hypo	sig	chr1_6700866
chr14	97033571	97033571	+	2.242E-12	2.1969E-11	0.213039	hyper	sig	chr14_97033571
chr7	1.3E+08	130493242	+	2.243E-12	2.197E-11	0.238717	hyper	sig	chr7_130493242
chr7	1.57E+08	157470763	+	2.243E-12	2.1972E-11	-0.24125	hypo	sig	chr7_157470763
chr3	1.6E+08	160038082	+	2.243E-12	2.1978E-11	-0.25215	hypo	sig	chr3_160038082
chr17	79705996	79705996	+	2.244E-12	2.1978E-11	-0.22525	hypo	sig	chr17_79705996
chr13	1.11E+08	110954886	+	2.246E-12	2.2002E-11	-0.26839	hypo	sig	chr13_110954886
chr14	56804297	56804297	+	2.247E-12	2.2007E-11	0.247894	hyper	sig	chr14_56804297
chr15	93066143	93066143	+	2.249E-12	2.2031E-11	0.237509	hyper	sig	chr15_93066143
chr20	4248552	4248552	+	2.249E-12	2.2033E-11	0.241267	hyper	sig	chr20_4248552
chr6	1.37E+08	137497224	+	2.252E-12	2.2055E-11	0.233673	hyper	sig	chr6_137497224
chr10	27413798	27413798	+	2.252E-12	2.206E-11	0.263646	hyper	sig	chr10_27413798
chr19	29527788	29527788	+	2.253E-12	2.2072E-11	0.279256	hyper	sig	chr19_29527788
chr2	821651	821651	+	2.254E-12	2.2072E-11	0.292281	hyper	sig	chr2_821651
chr5	1.81E+08	181114290	+	2.254E-12	2.2073E-11	-0.23119	hypo	sig	chr5_181114290
chr15	83285013	83285013	+	2.256E-12	2.2094E-11	0.212368	hyper	sig	chr15_83285013
chr7	1419507	1419507	+	2.257E-12	2.2107E-11	-0.25591	hypo	sig	chr7_1419507
chr22	46374781	46374781	+	2.258E-12	2.2115E-11	-0.23484	hypo	sig	chr22_46374781
chr19	56765359	56765359	+	2.261E-12	2.2139E-11	0.237549	hyper	sig	chr19_56765359
chr19	35639381	35639381	+	2.261E-12	2.2144E-11	0.325062	hyper	sig	chr19_35639381
chr20	63948400	63948400	+	2.261E-12	2.2147E-11	0.275227	hyper	sig	chr20_63948400
chr7	57654534	57654534	+	2.262E-12	2.2148E-11	-0.24073	hypo	sig	chr7_57654534
chr18	59265068	59265068	+	2.263E-12	2.216E-11	0.236558	hyper	sig	chr18_59265068
chr3	13071028	13071028	+	2.263E-12	2.2161E-11	-0.20425	hypo	sig	chr3_13071028
chr7	1.01E+08	100868211	+	2.265E-12	2.2175E-11	0.28248	hyper	sig	chr7_100868211
chr13	1.14E+08	113665027	+	2.265E-12	2.2179E-11	-0.23148	hypo	sig	chr13_113665027
chr8	70072191	70072191	+	2.265E-12	2.2183E-11	0.253142	hyper	sig	chr8_70072191
chr9	1.35E+08	134781219	+	2.266E-12	2.2186E-11	-0.21561	hypo	sig	chr9_134781219
chr16	55832626	55832626	+	2.267E-12	2.2198E-11	0.228295	hyper	sig	chr16_55832626
chr19	1399239	1399239	+	2.268E-12	2.2202E-11	-0.22091	hypo	sig	chr19_1399239
chr7	1.58E+08	157610535	+	2.268E-12	2.2202E-11	-0.27207	hypo	sig	chr7_157610535
chr20	63044227	63044227	+	2.268E-12	2.2204E-11	-0.27556	hypo	sig	chr20_63044227
chr8	1.44E+08	143944664	+	2.269E-12	2.2211E-11	0.236542	hyper	sig	chr8_143944664
chr11	2266672	2266672	+	2.269E-12	2.2214E-11	-0.20017	hypo	sig	chr11_2266672
chr17	39665408	39665408	+	2.271E-12	2.223E-11	0.230972	hyper	sig	chr17_39665408
chr19	39265623	39265623	+	2.271E-12	2.2238E-11	0.31884	hyper	sig	chr19_39265623
chr8	48427379	48427379	+	2.272E-12	2.2241E-11	-0.22864	hypo	sig	chr8_48427379
chr7	195556	195556	+	2.272E-12	2.2243E-11	0.201732	hyper	sig	chr7_195556

chr12	56469338	56469338	+	2.273E-12	2.2254E-11	-0.22841	hypo	sig	chr12_56469338
chr19	19514429	19514429	+	2.274E-12	2.2259E-11	0.30354	hyper	sig	chr19_19514429
chr7	1.56E+08	155576745	+	2.276E-12	2.2278E-11	-0.28936	hypo	sig	chr7_155576745
chr15	41894747	41894747	+	2.277E-12	2.2288E-11	-0.21074	hypo	sig	chr15_41894747
chr2	1.63E+08	163348118	+	2.277E-12	2.2294E-11	0.229405	hyper	sig	chr2_163348118
chr8	10730932	10730932	+	2.278E-12	2.2304E-11	0.201193	hyper	sig	chr8_10730932
chr2	72925570	72925570	+	2.279E-12	2.2311E-11	0.208515	hyper	sig	chr2_72925570
chr16	85265015	85265015	+	2.28E-12	2.2317E-11	-0.26047	hypo	sig	chr16_85265015
chr19	2494455	2494455	+	2.281E-12	2.2332E-11	0.226579	hyper	sig	chr19_2494455
chr11	1.26E+08	126356259	+	2.283E-12	2.2352E-11	0.20871	hyper	sig	chr11_126356259
chr8	1101685	1101685	+	2.285E-12	2.2363E-11	-0.22608	hypo	sig	chr8_1101685
chr1	37754447	37754447	+	2.287E-12	2.2382E-11	0.221608	hyper	sig	chr1_37754447
chr9	1.36E+08	136202453	+	2.287E-12	2.2384E-11	0.292872	hyper	sig	chr9_136202453
chr6	44227021	44227021	+	2.289E-12	2.2403E-11	0.227453	hyper	sig	chr6_44227021
chr12	53938425	53938425	+	2.289E-12	2.2408E-11	0.314256	hyper	sig	chr12_53938425
chr8	1.01E+08	101438763	+	2.29E-12	2.2416E-11	0.202192	hyper	sig	chr8_101438763
chr11	1307433	1307433	+	2.292E-12	2.2429E-11	-0.22666	hypo	sig	chr11_1307433
chr4	13539805	13539805	+	2.293E-12	2.2445E-11	0.237427	hyper	sig	chr4_13539805
chr4	7042223	7042223	+	2.293E-12	2.2446E-11	0.200136	hyper	sig	chr4_7042223
chr1	2331059	2331059	+	2.294E-12	2.2447E-11	0.266243	hyper	sig	chr1_2331059
chr1	47439798	47439798	+	2.295E-12	2.2458E-11	0.225518	hyper	sig	chr1_47439798
chr1	79006609	79006609	+	2.295E-12	2.2464E-11	0.237811	hyper	sig	chr1_79006609
chr1	1.55E+08	155006504	+	2.296E-12	2.2473E-11	-0.20875	hypo	sig	chr1_155006504
chr17	63437454	63437454	+	2.296E-12	2.2473E-11	0.227823	hyper	sig	chr17_63437454
chr1	31759382	31759382	+	2.298E-12	2.2484E-11	-0.2379	hypo	sig	chr1_31759382
chr7	30136640	30136640	+	2.298E-12	2.249E-11	0.205485	hyper	sig	chr7_30136640
chr8	6804562	6804562	+	2.299E-12	2.2502E-11	-0.21255	hypo	sig	chr8_6804562
chr12	1.31E+08	131011812	+	2.302E-12	2.2527E-11	-0.23014	hypo	sig	chr12_131011812
chr5	1.41E+08	141431033	+	2.303E-12	2.2532E-11	0.219269	hyper	sig	chr5_141431033
chr14	1.01E+08	100885174	+	2.303E-12	2.2538E-11	-0.22934	hypo	sig	chr14_100885174
chr2	1.19E+08	118858494	+	2.304E-12	2.2546E-11	0.295862	hyper	sig	chr2_118858494
chr9	87773301	87773301	+	2.305E-12	2.2549E-11	-0.26276	hypo	sig	chr9_87773301
chr16	67163170	67163170	+	2.307E-12	2.2574E-11	0.237729	hyper	sig	chr16_67163170
chr1	2.05E+08	205239211	+	2.307E-12	2.2575E-11	0.2238	hyper	sig	chr1_205239211
chr4	8606191	8606191	+	2.308E-12	2.2577E-11	-0.29164	hypo	sig	chr4_8606191
chr6	27291231	27291231	+	2.308E-12	2.2579E-11	0.205	hyper	sig	chr6_27291231
chr19	1133043	1133043	+	2.308E-12	2.2579E-11	-0.31364	hypo	sig	chr19_1133043
chr8	1.44E+08	144314189	+	2.308E-12	2.258E-11	0.29707	hyper	sig	chr8_144314189
chr5	1.41E+08	141157396	+	2.308E-12	2.2581E-11	0.272261	hyper	sig	chr5_141157396
chr3	1.54E+08	154122892	+	2.308E-12	2.2582E-11	0.246869	hyper	sig	chr3_154122892
chr2	930256	930256	+	2.309E-12	2.2588E-11	-0.21064	hypo	sig	chr2_930256
chr19	17377087	17377087	+	2.31E-12	2.2594E-11	-0.20737	hypo	sig	chr19_17377087
chr10	1.05E+08	104641511	+	2.312E-12	2.2616E-11	0.240415	hyper	sig	chr10_104641511
chr2	2.22E+08	221571046	+	2.313E-12	2.2622E-11	0.204849	hyper	sig	chr2_221571046
chr7	1748210	1748210	+	2.313E-12	2.2628E-11	-0.36218	hypo	sig	chr7_1748210
chr19	13283361	13283361	+	2.314E-12	2.2635E-11	-0.25156	hypo	sig	chr19_13283361
chr9	35036087	35036087	+	2.314E-12	2.2637E-11	0.262528	hyper	sig	chr9_35036087
chr1	1.21E+08	121009620	+	2.315E-12	2.2642E-11	0.264959	hyper	sig	chr1_121009620
chr21	41467690	41467690	+	2.316E-12	2.2654E-11	0.236661	hyper	sig	chr21_41467690
chr10	1.32E+08	132221681	+	2.316E-12	2.2655E-11	-0.20836	hypo	sig	chr10_132221681
chr11	2416967	2416967	+	2.317E-12	2.2661E-11	-0.207	hypo	sig	chr11_2416967
chr11	1.25E+08	124745247	+	2.318E-12	2.2668E-11	0.205535	hyper	sig	chr11_124745247
chr17	48564649	48564649	+	2.318E-12	2.2675E-11	0.243365	hyper	sig	chr17_48564649
chr2	1.83E+08	182867350	+	2.319E-12	2.2679E-11	0.275368	hyper	sig	chr2_182867350
chr4	1.11E+08	110626930	+	2.319E-12	2.2682E-11	0.253744	hyper	sig	chr4_110626930
chr2	9820565	9820565	+	2.321E-12	2.2702E-11	-0.27736	hypo	sig	chr2_9820565

chr11	2271660	2271660	+	2.322E-12	2.2707E-11	0.292109	hyper	sig	chr11_2271660
chr7	73607350	73607350	+	2.322E-12	2.2712E-11	0.290786	hyper	sig	chr7_73607350
chr2	1.7E+08	169737294	+	2.323E-12	2.2717E-11	0.205716	hyper	sig	chr2_169737294
chr21	41678348	41678348	+	2.323E-12	2.2722E-11	-0.23972	hypo	sig	chr21_41678348
chr6	1.37E+08	137494645	+	2.323E-12	2.2722E-11	0.298869	hyper	sig	chr6_137494645
chr5	2658938	2658938	+	2.324E-12	2.2724E-11	0.224402	hyper	sig	chr5_2658938
chr8	743335	743335	+	2.324E-12	2.2726E-11	-0.22015	hypo	sig	chr8_743335
chr20	62551732	62551732	+	2.324E-12	2.2727E-11	0.204802	hyper	sig	chr20_62551732
chr2	2.2E+08	219567689	+	2.324E-12	2.2727E-11	-0.25255	hypo	sig	chr2_219567689
chr13	93234344	93234344	+	2.326E-12	2.2743E-11	-0.32016	hypo	sig	chr13_93234344
chr1	3417611	3417611	+	2.33E-12	2.2779E-11	-0.21272	hypo	sig	chr1_3417611
chr2	2.4E+08	240405290	+	2.33E-12	2.2779E-11	-0.24004	hypo	sig	chr2_240405290
chr1	2.21E+08	220885463	+	2.33E-12	2.2787E-11	0.275175	hyper	sig	chr1_220885463
chr20	60087418	60087418	+	2.331E-12	2.2791E-11	0.258571	hyper	sig	chr20_60087418
chr20	49569050	49569050	+	2.331E-12	2.2796E-11	0.21041	hyper	sig	chr20_49569050
chr11	1.23E+08	122977749	+	2.332E-12	2.2801E-11	0.235495	hyper	sig	chr11_122977749
chr16	73063004	73063004	+	2.333E-12	2.2811E-11	-0.20561	hypo	sig	chr16_73063004
chr13	1.14E+08	114015554	+	2.335E-12	2.2827E-11	-0.28246	hypo	sig	chr13_114015554
chr5	1393926	1393926	+	2.335E-12	2.2827E-11	0.282178	hyper	sig	chr5_1393926
chr3	1.97E+08	197466372	+	2.337E-12	2.2852E-11	-0.25996	hypo	sig	chr3_197466372
chr16	1247287	1247287	+	2.338E-12	2.2856E-11	-0.20317	hypo	sig	chr16_1247287
chr14	53952051	53952051	+	2.338E-12	2.2857E-11	0.242989	hyper	sig	chr14_53952051
chr19	35944646	35944646	+	2.339E-12	2.2865E-11	0.244902	hyper	sig	chr19_35944646
chr12	33439581	33439581	+	2.339E-12	2.287E-11	0.335987	hyper	sig	chr12_33439581
chr19	1766170	1766170	+	2.34E-12	2.2875E-11	0.216164	hyper	sig	chr19_1766170
chr5	1.35E+08	135028943	+	2.341E-12	2.2885E-11	0.328212	hyper	sig	chr5_135028943
chr12	1.14E+08	114443888	+	2.342E-12	2.2893E-11	0.215489	hyper	sig	chr12_114443888
chr2	2.42E+08	241771493	+	2.343E-12	2.2901E-11	0.263698	hyper	sig	chr2_241771493
chr5	44389656	44389656	+	2.343E-12	2.2906E-11	0.275933	hyper	sig	chr5_44389656
chr20	24471080	24471080	+	2.344E-12	2.2915E-11	0.255067	hyper	sig	chr20_24471080
chr12	1.22E+08	122059313	+	2.345E-12	2.2925E-11	0.248866	hyper	sig	chr12_122059313
chr3	1.88E+08	187669733	+	2.346E-12	2.293E-11	0.264151	hyper	sig	chr3_187669733
chr22	24607585	24607585	+	2.346E-12	2.2932E-11	-0.21141	hypo	sig	chr22_24607585
chr2	1.29E+08	128526561	+	2.348E-12	2.2952E-11	-0.25894	hypo	sig	chr2_128526561
chr1	1212924	1212924	+	2.35E-12	2.2973E-11	-0.24525	hypo	sig	chr1_1212924
chr17	45425765	45425765	+	2.351E-12	2.2977E-11	-0.24507	hypo	sig	chr17_45425765
chr1	3293228	3293228	+	2.351E-12	2.298E-11	-0.25515	hypo	sig	chr1_3293228
chr7	1.35E+08	135246751	+	2.351E-12	2.2982E-11	-0.20088	hypo	sig	chr7_135246751
chr19	11579083	11579083	+	2.352E-12	2.2987E-11	-0.21986	hypo	sig	chr19_11579083
chr1	1.2E+08	119896393	+	2.352E-12	2.2988E-11	0.21497	hyper	sig	chr1_119896393
chr12	62191500	62191500	+	2.353E-12	2.2998E-11	0.344457	hyper	sig	chr12_62191500
chr2	2.4E+08	240323025	+	2.353E-12	2.2999E-11	-0.27317	hypo	sig	chr2_240323025
chr2	557724	557724	+	2.354E-12	2.3006E-11	-0.27742	hypo	sig	chr2_557724
chr9	1.36E+08	136334215	+	2.355E-12	2.3011E-11	-0.20763	hypo	sig	chr9_136334215
chr5	44388896	44388896	+	2.355E-12	2.3013E-11	0.232316	hyper	sig	chr5_44388896
chr16	2470130	2470130	+	2.356E-12	2.3021E-11	-0.23489	hypo	sig	chr16_2470130
chr1	1.11E+08	110608541	+	2.358E-12	2.3043E-11	0.256873	hyper	sig	chr1_110608541
chr15	40323101	40323101	+	2.358E-12	2.3045E-11	0.211901	hyper	sig	chr15_40323101
chr7	1231024	1231024	+	2.36E-12	2.3061E-11	0.224906	hyper	sig	chr7_1231024
chr11	32438278	32438278	+	2.361E-12	2.3068E-11	0.29188	hyper	sig	chr11_32438278
chr8	10622928	10622928	+	2.361E-12	2.3072E-11	-0.26555	hypo	sig	chr8_10622928
chr7	27115668	27115668	+	2.363E-12	2.309E-11	0.223174	hyper	sig	chr7_27115668
chr16	88102073	88102073	+	2.363E-12	2.3092E-11	0.27863	hyper	sig	chr16_88102073
chr1	17551006	17551006	+	2.366E-12	2.312E-11	-0.25329	hypo	sig	chr1_17551006
chr2	862352	862352	+	2.369E-12	2.3145E-11	0.243454	hyper	sig	chr2_862352
chr17	63930581	63930581	+	2.369E-12	2.3148E-11	-0.2038	hypo	sig	chr17_63930581

chr4	41880648	41880648	+	2.37E-12	2.3155E-11	0.230791	hyper	sig	chr4_41880648
chr16	55330917	55330917	+	2.374E-12	2.3189E-11	0.256751	hyper	sig	chr16_55330917
chr16	49278068	49278068	+	2.374E-12	2.319E-11	0.255321	hyper	sig	chr16_49278068
chr6	19613129	19613129	+	2.375E-12	2.32E-11	-0.24539	hypo	sig	chr6_19613129
chr7	1.57E+08	157297455	+	2.376E-12	2.321E-11	-0.25656	hypo	sig	chr7_157297455
chr10	1.24E+08	123568036	+	2.376E-12	2.321E-11	-0.24006	hypo	sig	chr10_123568036
chr19	9498410	9498410	+	2.377E-12	2.3214E-11	0.289767	hyper	sig	chr19_9498410
chr2	2.19E+08	219444700	+	2.377E-12	2.3223E-11	0.236036	hyper	sig	chr2_219444700
chr5	1.02E+08	102498728	+	2.378E-12	2.3225E-11	-0.21856	hypo	sig	chr5_102498728
chr19	52336418	52336418	+	2.38E-12	2.3242E-11	0.205882	hyper	sig	chr19_52336418
chr11	1748470	1748470	+	2.38E-12	2.3245E-11	0.334592	hyper	sig	chr11_1748470
chr14	36659351	36659351	+	2.381E-12	2.325E-11	0.240095	hyper	sig	chr14_36659351
chr6	1.7E+08	170167016	+	2.382E-12	2.3264E-11	0.243339	hyper	sig	chr6_170167016
chr6	1.37E+08	137496510	+	2.383E-12	2.3268E-11	0.256177	hyper	sig	chr6_137496510
chr17	68197688	68197688	+	2.383E-12	2.3271E-11	0.203044	hyper	sig	chr17_68197688
chr6	1.18E+08	117547877	+	2.383E-12	2.3276E-11	0.21376	hyper	sig	chr6_117547877
chr19	13506246	13506246	+	2.389E-12	2.3332E-11	0.291465	hyper	sig	chr19_13506246
chr19	40224721	40224721	+	2.39E-12	2.3337E-11	-0.31697	hypo	sig	chr19_40224721
chr9	1.37E+08	137294049	+	2.391E-12	2.3348E-11	-0.23593	hypo	sig	chr9_137294049
chr4	11427265	11427265	+	2.391E-12	2.3352E-11	0.248116	hyper	sig	chr4_11427265
chr1	2.47E+08	247332862	+	2.392E-12	2.3359E-11	0.250222	hyper	sig	chr1_247332862
chr8	85438966	85438966	+	2.393E-12	2.337E-11	0.223598	hyper	sig	chr8_85438966
chr10	79240163	79240163	+	2.394E-12	2.3374E-11	0.220891	hyper	sig	chr10_79240163
chr5	1446330	1446330	+	2.395E-12	2.3381E-11	0.308693	hyper	sig	chr5_1446330
chr6	30358015	30358015	+	2.395E-12	2.3385E-11	0.208225	hyper	sig	chr6_30358015
chr7	32318831	32318831	+	2.396E-12	2.3391E-11	0.284309	hyper	sig	chr7_32318831
chr11	75584068	75584068	+	2.398E-12	2.3414E-11	0.264235	hyper	sig	chr11_75584068
chr2	382090	382090	+	2.4E-12	2.3432E-11	0.219161	hyper	sig	chr2_382090
chr14	66012863	66012863	+	2.401E-12	2.3444E-11	-0.31347	hypo	sig	chr14_66012863
chr6	1625198	1625198	+	2.402E-12	2.3451E-11	0.219788	hyper	sig	chr6_1625198
chr8	54466592	54466592	+	2.403E-12	2.346E-11	0.243312	hyper	sig	chr8_54466592
chr13	25300882	25300882	+	2.403E-12	2.346E-11	0.204183	hyper	sig	chr13_25300882
chr3	1.84E+08	184386852	+	2.404E-12	2.3465E-11	-0.22761	hypo	sig	chr3_184386852
chr20	63580875	63580875	+	2.404E-12	2.3471E-11	-0.21033	hypo	sig	chr20_63580875
chr6	32069105	32069105	+	2.408E-12	2.3505E-11	-0.22554	hypo	sig	chr6_32069105
chr12	1.14E+08	114447338	+	2.412E-12	2.3541E-11	0.209225	hyper	sig	chr12_114447338
chr14	1.04E+08	104159371	+	2.413E-12	2.3556E-11	-0.2795	hypo	sig	chr14_104159371
chr16	81785247	81785247	+	2.413E-12	2.3557E-11	-0.20199	hypo	sig	chr16_81785247
chr13	1.14E+08	113669737	+	2.414E-12	2.356E-11	-0.21988	hypo	sig	chr13_113669737
chr3	1.93E+08	193241572	+	2.415E-12	2.3568E-11	0.220582	hyper	sig	chr3_193241572
chr10	1.17E+08	117140991	+	2.416E-12	2.3586E-11	0.208141	hyper	sig	chr10_117140991
chr16	841324	841324	+	2.417E-12	2.3587E-11	-0.22659	hypo	sig	chr16_841324
chr6	1E+08	100458356	+	2.419E-12	2.3611E-11	0.222109	hyper	sig	chr6_100458356
chr7	1.57E+08	157465959	+	2.422E-12	2.3638E-11	0.240783	hyper	sig	chr7_157465959
chr7	47049706	47049706	+	2.427E-12	2.3684E-11	-0.26063	hypo	sig	chr7_47049706
chr13	22849084	22849084	+	2.428E-12	2.3694E-11	0.214262	hyper	sig	chr13_22849084
chr11	1.34E+08	134043973	+	2.43E-12	2.3715E-11	-0.27579	hypo	sig	chr11_134043973
chr7	56175831	56175831	+	2.43E-12	2.3716E-11	0.249091	hyper	sig	chr7_56175831
chr17	83093170	83093170	+	2.432E-12	2.3729E-11	0.244979	hyper	sig	chr17_83093170
chr20	9838659	9838659	+	2.433E-12	2.3745E-11	0.254171	hyper	sig	chr20_9838659
chr14	69850429	69850429	+	2.436E-12	2.3773E-11	-0.26996	hypo	sig	chr14_69850429
chr3	27728987	27728987	+	2.436E-12	2.3776E-11	0.205221	hyper	sig	chr3_27728987
chr11	865641	865641	+	2.437E-12	2.3777E-11	-0.26032	hypo	sig	chr11_865641
chr16	47038475	47038475	+	2.437E-12	2.378E-11	-0.30796	hypo	sig	chr16_47038475
chr11	4212256	4212256	+	2.437E-12	2.3784E-11	0.254063	hyper	sig	chr11_4212256
chr19	35307022	35307022	+	2.438E-12	2.3785E-11	-0.25645	hypo	sig	chr19_35307022

chr2	43101391	43101391	+	2.438E-12	2.3785E-11	0.320487	hyper	sig	chr2_43101391
chr5	2757107	2757107	+	2.438E-12	2.3791E-11	0.224242	hyper	sig	chr5_2757107
chr12	1.19E+08	118981342	+	2.439E-12	2.38E-11	0.316653	hyper	sig	chr12_118981342
chr3	1.84E+08	184338840	+	2.44E-12	2.3805E-11	0.264272	hyper	sig	chr3_184338840
chr13	1.08E+08	107866529	+	2.44E-12	2.3808E-11	0.234478	hyper	sig	chr13_107866529
chr9	1.34E+08	134134892	+	2.441E-12	2.3812E-11	-0.2107	hypo	sig	chr9_134134892
chr2	1.29E+08	129144724	+	2.441E-12	2.3817E-11	-0.24472	hypo	sig	chr2_129144724
chr10	47306697	47306697	+	2.443E-12	2.3834E-11	-0.21356	hypo	sig	chr10_47306697
chr17	4656787	4656787	+	2.445E-12	2.3857E-11	0.227107	hyper	sig	chr17_4656787
chr7	45564708	45564708	+	2.446E-12	2.3863E-11	0.212622	hyper	sig	chr7_45564708
chr11	2869539	2869539	+	2.45E-12	2.3903E-11	0.268559	hyper	sig	chr11_2869539
chr7	1395424	1395424	+	2.454E-12	2.3943E-11	0.255826	hyper	sig	chr7_1395424
chr2	2.19E+08	219439745	+	2.457E-12	2.397E-11	0.215079	hyper	sig	chr2_219439745
chr4	1.22E+08	121950125	+	2.457E-12	2.3972E-11	-0.2336	hypo	sig	chr4_121950125
chr7	1.5E+08	149714170	+	2.457E-12	2.3972E-11	0.312993	hyper	sig	chr7_149714170
chr7	39609822	39609822	+	2.46E-12	2.3998E-11	0.222009	hyper	sig	chr7_39609822
chr22	36322572	36322572	+	2.46E-12	2.4001E-11	0.212694	hyper	sig	chr22_36322572
chr1	2.48E+08	248165560	+	2.461E-12	2.4004E-11	-0.24833	hypo	sig	chr1_248165560
chr11	31824863	31824863	+	2.461E-12	2.4004E-11	0.239203	hyper	sig	chr11_31824863
chr6	44560965	44560965	+	2.461E-12	2.4008E-11	0.279446	hyper	sig	chr6_44560965
chr8	546531	546531	+	2.461E-12	2.4009E-11	0.200548	hyper	sig	chr8_546531
chr17	77371323	77371323	+	2.463E-12	2.4023E-11	0.240856	hyper	sig	chr17_77371323
chr5	44388936	44388936	+	2.463E-12	2.4026E-11	0.211207	hyper	sig	chr5_44388936
chr14	85529445	85529445	+	2.463E-12	2.4027E-11	0.237489	hyper	sig	chr14_85529445
chr1	11858737	11858737	+	2.464E-12	2.4032E-11	0.289891	hyper	sig	chr1_11858737
chr5	73436227	73436227	+	2.465E-12	2.4045E-11	0.28461	hyper	sig	chr5_73436227
chr22	30267018	30267018	+	2.465E-12	2.4045E-11	-0.24468	hypo	sig	chr22_30267018
chr11	1.25E+08	124748578	+	2.467E-12	2.4061E-11	0.230144	hyper	sig	chr11_124748578
chr17	4362501	4362501	+	2.468E-12	2.4068E-11	0.242462	hyper	sig	chr17_4362501
chr15	24773085	24773085	+	2.469E-12	2.4076E-11	0.234118	hyper	sig	chr15_24773085
chr6	27545240	27545240	+	2.47E-12	2.4084E-11	0.225874	hyper	sig	chr6_27545240
chr7	38311359	38311359	+	2.471E-12	2.4099E-11	0.251939	hyper	sig	chr7_38311359
chr5	50969887	50969887	+	2.471E-12	2.4102E-11	0.229688	hyper	sig	chr5_50969887
chr6	26017702	26017702	+	2.472E-12	2.4102E-11	0.289966	hyper	sig	chr6_26017702
chr7	1.57E+08	157005151	+	2.472E-12	2.4104E-11	0.345417	hyper	sig	chr7_157005151
chr17	79048378	79048378	+	2.474E-12	2.4124E-11	-0.25998	hypo	sig	chr17_79048378
chr12	52018883	52018883	+	2.477E-12	2.4151E-11	-0.24249	hypo	sig	chr12_52018883
chr5	80034936	80034936	+	2.477E-12	2.4154E-11	0.223838	hyper	sig	chr5_80034936
chr7	1234530	1234530	+	2.478E-12	2.4158E-11	0.2493	hyper	sig	chr7_1234530
chr12	1811996	1811996	+	2.48E-12	2.4182E-11	-0.26508	hypo	sig	chr12_1811996
chr4	3649779	3649779	+	2.483E-12	2.421E-11	-0.23203	hypo	sig	chr4_3649779
chr2	10923192	10923192	+	2.484E-12	2.422E-11	-0.24141	hypo	sig	chr2_10923192
chr2	3041469	3041469	+	2.485E-12	2.4223E-11	-0.21083	hypo	sig	chr2_3041469
chr16	67156636	67156636	+	2.486E-12	2.4238E-11	0.261927	hyper	sig	chr16_67156636
chr5	1.41E+08	141333011	+	2.489E-12	2.4266E-11	0.268125	hyper	sig	chr5_141333011
chr11	2266769	2266769	+	2.49E-12	2.427E-11	-0.24569	hypo	sig	chr11_2266769
chr1	2321387	2321387	+	2.49E-12	2.4278E-11	0.215868	hyper	sig	chr1_2321387
chr1	9070523	9070523	+	2.49E-12	2.4278E-11	-0.20321	hypo	sig	chr1_9070523
chr1	27403351	27403351	+	2.491E-12	2.4278E-11	0.224736	hyper	sig	chr1_27403351
chr11	69655052	69655052	+	2.491E-12	2.4283E-11	-0.20948	hypo	sig	chr11_69655052
chr11	1.23E+08	122976807	+	2.491E-12	2.4283E-11	0.298997	hyper	sig	chr11_122976807
chr4	1.54E+08	153759162	+	2.493E-12	2.43E-11	-0.27696	hypo	sig	chr4_153759162
chr20	58840273	58840273	+	2.493E-12	2.4301E-11	0.295122	hyper	sig	chr20_58840273
chr17	3924714	3924714	+	2.495E-12	2.4318E-11	0.232797	hyper	sig	chr17_3924714
chr3	1.28E+08	128462715	+	2.495E-12	2.4321E-11	-0.3056	hypo	sig	chr3_128462715
chr4	26318334	26318334	+	2.495E-12	2.4324E-11	-0.26301	hypo	sig	chr4_26318334

chr2	2.18E+08	218368927	+	2.496E-12	2.4331E-11	0.210884	hyper	sig	chr2_218368927
chr5	1.38E+08	138492565	+	2.497E-12	2.4333E-11	0.253353	hyper	sig	chr5_138492565
chr13	36163935	36163935	+	2.497E-12	2.4339E-11	0.201447	hyper	sig	chr13_36163935
chr20	10218154	10218154	+	2.501E-12	2.4376E-11	0.288172	hyper	sig	chr20_10218154
chr8	54467616	54467616	+	2.503E-12	2.4392E-11	0.247506	hyper	sig	chr8_54467616
chr6	30447969	30447969	+	2.503E-12	2.4394E-11	-0.20684	hypo	sig	chr6_30447969
chr16	88898191	88898191	+	2.503E-12	2.4396E-11	-0.29162	hypo	sig	chr16_88898191
chr3	42686336	42686336	+	2.504E-12	2.4405E-11	0.272102	hyper	sig	chr3_42686336
chr4	10462125	10462125	+	2.505E-12	2.4412E-11	0.266152	hyper	sig	chr4_10462125
chr8	71558268	71558268	+	2.506E-12	2.4418E-11	0.318548	hyper	sig	chr8_71558268
chr12	1820477	1820477	+	2.507E-12	2.4433E-11	0.262227	hyper	sig	chr12_1820477
chr6	31655492	31655492	+	2.508E-12	2.4442E-11	-0.20228	hypo	sig	chr6_31655492
chr17	34578642	34578642	+	2.508E-12	2.4443E-11	-0.23261	hypo	sig	chr17_34578642
chr7	1.59E+08	159007098	+	2.509E-12	2.4452E-11	-0.23131	hypo	sig	chr7_159007098
chr13	26558575	26558575	+	2.511E-12	2.4469E-11	0.219658	hyper	sig	chr13_26558575
chr3	1.2E+08	120285411	+	2.513E-12	2.449E-11	0.24784	hyper	sig	chr3_120285411
chr5	1.41E+08	140786617	+	2.514E-12	2.4493E-11	0.217374	hyper	sig	chr5_140786617
chr1	4653973	4653973	+	2.519E-12	2.4545E-11	0.281028	hyper	sig	chr1_4653973
chr19	35302590	35302590	+	2.523E-12	2.4577E-11	-0.23805	hypo	sig	chr19_35302590
chr5	1.41E+08	141150807	+	2.523E-12	2.4583E-11	0.255783	hyper	sig	chr5_141150807
chr1	2.14E+08	213980018	+	2.525E-12	2.4595E-11	0.286496	hyper	sig	chr1_213980018
chr11	27722036	27722036	+	2.525E-12	2.4601E-11	0.222623	hyper	sig	chr11_27722036
chr16	30121977	30121977	+	2.525E-12	2.4602E-11	0.23927	hyper	sig	chr16_30121977
chr2	2.32E+08	231927224	+	2.526E-12	2.4606E-11	0.201945	hyper	sig	chr2_231927224
chr6	10384867	10384867	+	2.527E-12	2.4613E-11	0.299923	hyper	sig	chr6_10384867
chr7	30742552	30742552	+	2.53E-12	2.4646E-11	-0.24934	hypo	sig	chr7_30742552
chr3	46998822	46998822	+	2.531E-12	2.4651E-11	0.213195	hyper	sig	chr3_46998822
chr8	64577153	64577153	+	2.531E-12	2.4653E-11	0.217606	hyper	sig	chr8_64577153
chr6	10410249	10410249	+	2.532E-12	2.4663E-11	0.30683	hyper	sig	chr6_10410249
chr8	378683	378683	+	2.533E-12	2.4675E-11	0.204074	hyper	sig	chr8_378683
chr19	58217458	58217458	+	2.534E-12	2.4679E-11	0.254945	hyper	sig	chr19_58217458
chr15	25728989	25728989	+	2.539E-12	2.4729E-11	-0.2333	hypo	sig	chr15_25728989
chr17	48722156	48722156	+	2.543E-12	2.4767E-11	0.209853	hyper	sig	chr17_48722156
chr6	34036345	34036345	+	2.543E-12	2.4772E-11	-0.37007	hypo	sig	chr6_34036345
chr10	69578667	69578667	+	2.544E-12	2.4778E-11	0.203358	hyper	sig	chr10_69578667
chr11	65048225	65048225	+	2.546E-12	2.4794E-11	0.244333	hyper	sig	chr11_65048225
chr13	51066226	51066226	+	2.546E-12	2.48E-11	-0.22159	hypo	sig	chr13_51066226
chr2	72087022	72087022	+	2.548E-12	2.4814E-11	-0.23802	hypo	sig	chr2_72087022
chr8	760958	760958	+	2.55E-12	2.4828E-11	-0.24698	hypo	sig	chr8_760958
chr3	28575232	28575232	+	2.55E-12	2.4831E-11	0.340613	hyper	sig	chr3_28575232
chr2	1.07E+08	106584451	+	2.55E-12	2.4831E-11	0.241904	hyper	sig	chr2_106584451
chr19	3782265	3782265	+	2.55E-12	2.4834E-11	-0.28265	hypo	sig	chr19_3782265
chr2	1.92E+08	192195622	+	2.551E-12	2.4841E-11	0.227667	hyper	sig	chr2_192195622
chr11	68331369	68331369	+	2.552E-12	2.4848E-11	-0.26267	hypo	sig	chr11_68331369
chr9	1.35E+08	134765960	+	2.553E-12	2.4863E-11	-0.22855	hypo	sig	chr9_134765960
chr7	1.3E+08	130272620	+	2.554E-12	2.4865E-11	0.215689	hyper	sig	chr7_130272620
chr15	30923619	30923619	+	2.554E-12	2.4873E-11	0.23514	hyper	sig	chr15_30923619
chr3	62371164	62371164	+	2.556E-12	2.4885E-11	0.292633	hyper	sig	chr3_62371164
chr19	5288620	5288620	+	2.557E-12	2.4901E-11	-0.25358	hypo	sig	chr19_5288620
chr2	2.02E+08	202171536	+	2.558E-12	2.4908E-11	0.23937	hyper	sig	chr2_202171536
chr18	79805660	79805660	+	2.558E-12	2.4909E-11	-0.21062	hypo	sig	chr18_79805660
chr17	74851965	74851965	+	2.559E-12	2.4913E-11	-0.24137	hypo	sig	chr17_74851965
chr6	39927813	39927813	+	2.563E-12	2.4956E-11	-0.21047	hypo	sig	chr6_39927813
chr14	28778248	28778248	+	2.564E-12	2.4958E-11	0.240128	hyper	sig	chr14_28778248
chr21	45286898	45286898	+	2.565E-12	2.4971E-11	0.225333	hyper	sig	chr21_45286898
chr18	47251838	47251838	+	2.566E-12	2.4984E-11	0.206953	hyper	sig	chr18_47251838

chr5	1.73E+08	173233924	+	2.566E-12	2.4984E-11	0.21488	hyper	sig	chr5_173233924
chr12	6362009	6362009	+	2.566E-12	2.4984E-11	-0.28996	hypo	sig	chr12_6362009
chr3	44585215	44585215	+	2.568E-12	2.4996E-11	0.235023	hyper	sig	chr3_44585215
chr8	11700723	11700723	+	2.568E-12	2.5E-11	0.205339	hyper	sig	chr8_11700723
chr3	58586859	58586859	+	2.568E-12	2.5002E-11	0.281412	hyper	sig	chr3_58586859
chr13	52826605	52826605	+	2.568E-12	2.5003E-11	-0.24128	hypo	sig	chr13_52826605
chr5	73232310	73232310	+	2.569E-12	2.5005E-11	0.252913	hyper	sig	chr5_73232310
chr14	60656563	60656563	+	2.569E-12	2.501E-11	0.264942	hyper	sig	chr14_60656563
chr18	47251814	47251814	+	2.57E-12	2.5016E-11	0.262947	hyper	sig	chr18_47251814
chr6	30071689	30071689	+	2.57E-12	2.5017E-11	0.260996	hyper	sig	chr6_30071689
chr6	50850972	50850972	+	2.57E-12	2.5019E-11	0.21792	hyper	sig	chr6_50850972
chr7	27141942	27141942	+	2.571E-12	2.5027E-11	0.214773	hyper	sig	chr7_27141942
chr17	78232107	78232107	+	2.571E-12	2.503E-11	0.230497	hyper	sig	chr17_78232107
chr19	50323770	50323770	+	2.572E-12	2.5038E-11	-0.2273	hypo	sig	chr19_50323770
chr13	36674885	36674885	+	2.572E-12	2.5038E-11	0.260653	hyper	sig	chr13_36674885
chr12	1.11E+08	111287746	+	2.574E-12	2.5055E-11	-0.29878	hypo	sig	chr12_111287746
chr19	52453732	52453732	+	2.575E-12	2.506E-11	0.332982	hyper	sig	chr19_52453732
chr8	97274644	97274644	+	2.579E-12	2.5105E-11	-0.25442	hypo	sig	chr8_97274644
chr3	49422391	49422391	+	2.582E-12	2.5132E-11	0.223117	hyper	sig	chr3_49422391
chr17	7855586	7855586	+	2.584E-12	2.5149E-11	0.263745	hyper	sig	chr17_7855586
chr16	89103421	89103421	+	2.585E-12	2.5153E-11	-0.20235	hypo	sig	chr16_89103421
chr3	1.28E+08	128492012	+	2.585E-12	2.5156E-11	0.216871	hyper	sig	chr3_128492012
chr6	37649084	37649084	+	2.587E-12	2.5171E-11	0.283275	hyper	sig	chr6_37649084
chr7	1.32E+08	132402841	+	2.587E-12	2.5173E-11	-0.20451	hypo	sig	chr7_132402841
chr20	17315481	17315481	+	2.588E-12	2.5179E-11	0.223688	hyper	sig	chr20_17315481
chr2	1.71E+08	170717389	+	2.59E-12	2.5204E-11	0.260922	hyper	sig	chr2_170717389
chr7	49774771	49774771	+	2.591E-12	2.5213E-11	0.235795	hyper	sig	chr7_49774771
chr12	1.15E+08	114687089	+	2.593E-12	2.5228E-11	0.21589	hyper	sig	chr12_114687089
chr8	23705732	23705732	+	2.594E-12	2.5239E-11	0.28979	hyper	sig	chr8_23705732
chr10	77593085	77593085	+	2.594E-12	2.5239E-11	-0.24683	hypo	sig	chr10_77593085
chr22	37428083	37428083	+	2.594E-12	2.524E-11	0.226898	hyper	sig	chr22_37428083
chr10	1.33E+08	133096920	+	2.594E-12	2.524E-11	0.254114	hyper	sig	chr10_133096920
chr11	64340048	64340048	+	2.597E-12	2.5264E-11	-0.20636	hypo	sig	chr11_64340048
chr16	21517115	21517115	+	2.597E-12	2.5268E-11	0.206999	hyper	sig	chr16_21517115
chr9	97077392	97077392	+	2.598E-12	2.5274E-11	0.306375	hyper	sig	chr9_97077392
chr17	17028522	17028522	+	2.598E-12	2.5275E-11	-0.24077	hypo	sig	chr17_17028522
chr10	49758545	49758545	+	2.599E-12	2.5287E-11	-0.21306	hypo	sig	chr10_49758545
chr2	1.27E+08	126781379	+	2.6E-12	2.5293E-11	-0.26477	hypo	sig	chr2_126781379
chr10	45199138	45199138	+	2.6E-12	2.5298E-11	0.233594	hyper	sig	chr10_45199138
chr2	1.76E+08	176068112	+	2.6E-12	2.5298E-11	0.262297	hyper	sig	chr2_176068112
chr18	77979476	77979476	+	2.603E-12	2.5322E-11	-0.21588	hypo	sig	chr18_77979476
chr7	98618446	98618446	+	2.606E-12	2.5351E-11	0.222105	hyper	sig	chr7_98618446
chr3	1.53E+08	152836285	+	2.609E-12	2.5377E-11	0.220258	hyper	sig	chr3_152836285
chr7	8443939	8443939	+	2.611E-12	2.5398E-11	0.358759	hyper	sig	chr7_8443939
chr17	81391939	81391939	+	2.612E-12	2.5404E-11	0.296719	hyper	sig	chr17_81391939
chr4	13543740	13543740	+	2.613E-12	2.5418E-11	0.246765	hyper	sig	chr4_13543740
chr17	4536328	4536328	+	2.615E-12	2.544E-11	0.247848	hyper	sig	chr17_4536328
chr11	65048219	65048219	+	2.616E-12	2.544E-11	0.242574	hyper	sig	chr11_65048219
chr7	1.54E+08	154052812	+	2.618E-12	2.5462E-11	0.266535	hyper	sig	chr7_154052812
chr10	1.05E+08	104639755	+	2.618E-12	2.5465E-11	0.234994	hyper	sig	chr10_104639755
chr5	1.8E+08	180138596	+	2.62E-12	2.5485E-11	-0.22257	hypo	sig	chr5_180138596
chr17	78232254	78232254	+	2.621E-12	2.549E-11	0.259429	hyper	sig	chr17_78232254
chr17	34157086	34157086	+	2.625E-12	2.5533E-11	0.200624	hyper	sig	chr17_34157086
chr17	39599871	39599871	+	2.626E-12	2.5539E-11	0.207808	hyper	sig	chr17_39599871
chr2	74516573	74516573	+	2.626E-12	2.554E-11	0.281715	hyper	sig	chr2_74516573
chr5	1.69E+08	168529975	+	2.63E-12	2.5576E-11	0.253774	hyper	sig	chr5_168529975

chr8	1.44E+08	144336226	+	2.63E-12	2.5578E-11	0.263578	hyper	sig	chr8_144336226
chr6	77467068	77467068	+	2.631E-12	2.5581E-11	0.225157	hyper	sig	chr6_77467068
chr8	1.42E+08	142417085	+	2.631E-12	2.5587E-11	0.318777	hyper	sig	chr8_142417085
chr19	55648652	55648652	+	2.631E-12	2.5588E-11	0.252847	hyper	sig	chr19_55648652
chr8	15536174	15536174	+	2.631E-12	2.5588E-11	-0.28128	hypo	sig	chr8_15536174
chr20	3732945	3732945	+	2.633E-12	2.5603E-11	0.200253	hyper	sig	chr20_3732945
chr11	8315824	8315824	+	2.633E-12	2.5607E-11	0.216524	hyper	sig	chr11_8315824
chr7	34321336	34321336	+	2.635E-12	2.5627E-11	0.223689	hyper	sig	chr7_34321336
chr6	1E+08	100469055	+	2.636E-12	2.5632E-11	0.218534	hyper	sig	chr6_100469055
chr1	1.57E+08	156845952	+	2.637E-12	2.5644E-11	0.339635	hyper	sig	chr1_156845952
chr14	55440656	55440656	+	2.638E-12	2.5653E-11	0.330777	hyper	sig	chr14_55440656
chr17	7478029	7478029	+	2.639E-12	2.5659E-11	0.36294	hyper	sig	chr17_7478029
chr15	24848378	24848378	+	2.642E-12	2.5685E-11	0.278153	hyper	sig	chr15_24848378
chr3	1.91E+08	190877973	+	2.643E-12	2.5694E-11	-0.21982	hypo	sig	chr3_190877973
chr17	50781363	50781363	+	2.643E-12	2.5699E-11	0.233412	hyper	sig	chr17_50781363
chr4	52077031	52077031	+	2.644E-12	2.5704E-11	0.26083	hyper	sig	chr4_52077031
chr19	30450951	30450951	+	2.646E-12	2.5722E-11	0.236039	hyper	sig	chr19_30450951
chr8	1.32E+08	132193231	+	2.647E-12	2.5734E-11	-0.2543	hypo	sig	chr8_132193231
chr7	1.58E+08	158238076	+	2.647E-12	2.5735E-11	-0.24911	hypo	sig	chr7_158238076
chr6	1.09E+08	108946090	+	2.647E-12	2.5736E-11	0.238996	hyper	sig	chr6_108946090
chr19	5346226	5346226	+	2.648E-12	2.5741E-11	-0.20485	hypo	sig	chr19_5346226
chr19	54366341	54366341	+	2.648E-12	2.5742E-11	-0.22861	hypo	sig	chr19_54366341
chr1	2.03E+08	203127142	+	2.649E-12	2.5752E-11	-0.22189	hypo	sig	chr1_203127142
chr11	1.18E+08	117781515	+	2.65E-12	2.576E-11	-0.21607	hypo	sig	chr11_117781515
chr18	79430099	79430099	+	2.651E-12	2.5768E-11	-0.2298	hypo	sig	chr18_79430099
chr3	14564316	14564316	+	2.652E-12	2.5778E-11	-0.27122	hypo	sig	chr3_14564316
chr19	33622461	33622461	+	2.652E-12	2.5782E-11	0.302141	hyper	sig	chr19_33622461
chr3	26622223	26622223	+	2.653E-12	2.5787E-11	0.221314	hyper	sig	chr3_26622223
chr5	1.2E+08	120464624	+	2.654E-12	2.5796E-11	0.209658	hyper	sig	chr5_120464624
chr11	2144426	2144426	+	2.659E-12	2.5845E-11	0.233505	hyper	sig	chr11_2144426
chr10	1.02E+08	102419181	+	2.66E-12	2.5847E-11	0.22918	hyper	sig	chr10_102419181
chr7	1.57E+08	157498583	+	2.66E-12	2.5849E-11	-0.2076	hypo	sig	chr7_157498583
chr5	5146204	5146204	+	2.66E-12	2.5854E-11	-0.20482	hypo	sig	chr5_5146204
chr1	3283970	3283970	+	2.661E-12	2.5858E-11	0.246366	hyper	sig	chr1_3283970
chr11	1037860	1037860	+	2.661E-12	2.5858E-11	-0.22491	hypo	sig	chr11_1037860
chr11	74311883	74311883	+	2.662E-12	2.5867E-11	0.284189	hyper	sig	chr11_74311883
chr15	90886686	90886686	+	2.664E-12	2.5882E-11	-0.21713	hypo	sig	chr15_90886686
chr1	38134557	38134557	+	2.664E-12	2.5884E-11	0.204234	hyper	sig	chr1_38134557
chr17	75646000	75646000	+	2.664E-12	2.5886E-11	-0.21232	hypo	sig	chr17_75646000
chr7	37848972	37848972	+	2.664E-12	2.5886E-11	-0.21109	hypo	sig	chr7_37848972
chr4	1.74E+08	173527032	+	2.666E-12	2.5905E-11	0.263251	hyper	sig	chr4_173527032
chr8	1.44E+08	144336250	+	2.669E-12	2.5928E-11	0.245907	hyper	sig	chr8_144336250
chr19	3482745	3482745	+	2.672E-12	2.5958E-11	-0.2422	hypo	sig	chr19_3482745
chr11	1165598	1165598	+	2.672E-12	2.5958E-11	-0.2311	hypo	sig	chr11_1165598
chr7	1.02E+08	101923660	+	2.674E-12	2.5977E-11	0.208343	hyper	sig	chr7_101923660
chr19	57583707	57583707	+	2.674E-12	2.5982E-11	0.252409	hyper	sig	chr19_57583707
chr13	1.14E+08	114042190	+	2.675E-12	2.5988E-11	-0.2044	hypo	sig	chr13_114042190
chr3	49718853	49718853	+	2.676E-12	2.5996E-11	0.257585	hyper	sig	chr3_49718853
chr11	1.29E+08	129373597	+	2.68E-12	2.6038E-11	0.227284	hyper	sig	chr11_129373597
chr19	55487445	55487445	+	2.683E-12	2.6066E-11	0.270765	hyper	sig	chr19_55487445
chr3	1.26E+08	126102421	+	2.685E-12	2.6085E-11	0.241467	hyper	sig	chr3_126102421
chr1	90724856	90724856	+	2.687E-12	2.6103E-11	0.27945	hyper	sig	chr1_90724856
chr5	73232363	73232363	+	2.687E-12	2.6105E-11	0.28046	hyper	sig	chr5_73232363
chr20	22582594	22582594	+	2.69E-12	2.6126E-11	0.264511	hyper	sig	chr20_22582594
chr5	1.41E+08	141376371	+	2.69E-12	2.6132E-11	0.233597	hyper	sig	chr5_141376371
chr3	28575224	28575224	+	2.691E-12	2.6136E-11	0.327575	hyper	sig	chr3_28575224

chr16	1548774	1548774	+	2.691E-12	2.6137E-11	-0.26887	hypo	sig	chr16_1548774
chr3	1.42E+08	141778156	+	2.691E-12	2.6137E-11	-0.2361	hypo	sig	chr3_141778156
chr10	1.01E+08	100829824	+	2.692E-12	2.6152E-11	0.231754	hyper	sig	chr10_100829824
chr1	2927791	2927791	+	2.695E-12	2.6175E-11	0.241703	hyper	sig	chr1_2927791
chr8	1483119	1483119	+	2.696E-12	2.6186E-11	-0.26782	hypo	sig	chr8_1483119
chr7	1.43E+08	142864251	+	2.697E-12	2.6193E-11	-0.28307	hypo	sig	chr7_142864251
chr19	9498387	9498387	+	2.699E-12	2.6217E-11	0.313433	hyper	sig	chr19_9498387
chr19	55640341	55640341	+	2.699E-12	2.6217E-11	0.212243	hyper	sig	chr19_55640341
chr5	1.41E+08	141365440	+	2.701E-12	2.6228E-11	0.201572	hyper	sig	chr5_141365440
chr11	1.2E+08	120017241	+	2.702E-12	2.6239E-11	-0.2453	hypo	sig	chr11_120017241
chr17	48573863	48573863	+	2.702E-12	2.6241E-11	0.215609	hyper	sig	chr17_48573863
chr16	31224428	31224428	+	2.702E-12	2.6244E-11	0.30454	hyper	sig	chr16_31224428
chr6	10417158	10417158	+	2.703E-12	2.6251E-11	0.270534	hyper	sig	chr6_10417158
chr5	37836215	37836215	+	2.704E-12	2.6256E-11	0.234722	hyper	sig	chr5_37836215
chr12	1920585	1920585	+	2.704E-12	2.6258E-11	-0.23367	hypo	sig	chr12_1920585
chr1	1.16E+08	116374941	+	2.706E-12	2.6277E-11	-0.25903	hypo	sig	chr1_116374941
chr16	46428899	46428899	+	2.707E-12	2.6286E-11	0.268113	hyper	sig	chr16_46428899
chr22	32204976	32204976	+	2.707E-12	2.6288E-11	-0.24823	hypo	sig	chr22_32204976
chr7	50093582	50093582	+	2.708E-12	2.6293E-11	-0.20517	hypo	sig	chr7_50093582
chr7	3299060	3299060	+	2.71E-12	2.6311E-11	-0.21234	hypo	sig	chr7_3299060
chr4	108030	108030	+	2.711E-12	2.6325E-11	0.283682	hyper	sig	chr4_108030
chr3	1.47E+08	147407259	+	2.712E-12	2.6336E-11	0.21433	hyper	sig	chr3_147407259
chr15	96408847	96408847	+	2.714E-12	2.6355E-11	0.224574	hyper	sig	chr15_96408847
chr10	1.33E+08	133096914	+	2.716E-12	2.6374E-11	0.254155	hyper	sig	chr10_133096914
chr14	60507156	60507156	+	2.717E-12	2.6381E-11	0.252823	hyper	sig	chr14_60507156
chr16	29877437	29877437	+	2.719E-12	2.6396E-11	0.230989	hyper	sig	chr16_29877437
chr3	68931440	68931440	+	2.726E-12	2.646E-11	0.225258	hyper	sig	chr3_68931440
chr4	386656	386656	+	2.726E-12	2.6461E-11	0.224538	hyper	sig	chr4_386656
chr12	5430950	5430950	+	2.726E-12	2.6464E-11	0.242767	hyper	sig	chr12_5430950
chr20	34559724	34559724	+	2.726E-12	2.6466E-11	0.245288	hyper	sig	chr20_34559724
chr8	67952294	67952294	+	2.731E-12	2.6512E-11	0.321178	hyper	sig	chr8_67952294
chr6	1.68E+08	168280999	+	2.731E-12	2.6512E-11	-0.25139	hypo	sig	chr6_168280999
chr9	1.37E+08	137439438	+	2.734E-12	2.6534E-11	-0.25327	hypo	sig	chr9_137439438
chr17	78572718	78572718	+	2.735E-12	2.6548E-11	-0.28325	hypo	sig	chr17_78572718
chr2	1.06E+08	106343045	+	2.736E-12	2.6559E-11	-0.24356	hypo	sig	chr2_106343045
chr1	2.25E+08	224617904	+	2.737E-12	2.6567E-11	0.276345	hyper	sig	chr1_224617904
chr16	268686	268686	+	2.739E-12	2.6586E-11	-0.26795	hypo	sig	chr16_268686
chr10	95230943	95230943	+	2.74E-12	2.6589E-11	0.23652	hyper	sig	chr10_95230943
chr9	97855409	97855409	+	2.74E-12	2.659E-11	0.249919	hyper	sig	chr9_97855409
chr17	41973672	41973672	+	2.74E-12	2.6593E-11	0.24397	hyper	sig	chr17_41973672
chr12	49903805	49903805	+	2.74E-12	2.6595E-11	0.250166	hyper	sig	chr12_49903805
chr11	20600652	20600652	+	2.74E-12	2.6595E-11	0.232288	hyper	sig	chr11_20600652
chr17	82342477	82342477	+	2.741E-12	2.6596E-11	-0.27839	hypo	sig	chr17_82342477
chr7	27145531	27145531	+	2.742E-12	2.6604E-11	0.291061	hyper	sig	chr7_27145531
chr9	975090	975090	+	2.742E-12	2.6606E-11	0.205277	hyper	sig	chr9_975090
chr5	1.78E+08	177982991	+	2.745E-12	2.6641E-11	-0.23776	hypo	sig	chr5_177982991
chr16	51150077	51150077	+	2.747E-12	2.6656E-11	0.27809	hyper	sig	chr16_51150077
chr11	1.26E+08	126432057	+	2.75E-12	2.6688E-11	-0.23286	hypo	sig	chr11_126432057
chr10	1.32E+08	132232415	+	2.751E-12	2.6689E-11	-0.22083	hypo	sig	chr10_132232415
chr1	1.57E+08	156845776	+	2.751E-12	2.6697E-11	0.225953	hyper	sig	chr1_156845776
chr3	14811304	14811304	+	2.754E-12	2.6721E-11	0.253671	hyper	sig	chr3_14811304
chr11	46279812	46279812	+	2.754E-12	2.6725E-11	0.222609	hyper	sig	chr11_46279812
chr15	89416673	89416673	+	2.758E-12	2.676E-11	0.231995	hyper	sig	chr15_89416673
chr12	52258987	52258987	+	2.758E-12	2.676E-11	0.226883	hyper	sig	chr12_52258987
chr8	1.42E+08	142417091	+	2.761E-12	2.6788E-11	0.334223	hyper	sig	chr8_142417091
chr3	10338837	10338837	+	2.766E-12	2.6832E-11	-0.2491	hypo	sig	chr3_10338837

chr12	1.3E+08	130476883	+	2.768E-12	2.6853E-11	0.24852	hyper	sig	chr12_130476883
chr14	74501460	74501460	+	2.768E-12	2.6854E-11	0.246842	hyper	sig	chr14_74501460
chr9	1.21E+08	120842236	+	2.77E-12	2.6869E-11	0.230498	hyper	sig	chr9_120842236
chr12	54047401	54047401	+	2.77E-12	2.6874E-11	0.249371	hyper	sig	chr12_54047401
chr18	59265055	59265055	+	2.77E-12	2.6876E-11	0.235991	hyper	sig	chr18_59265055
chr12	1.3E+08	130476908	+	2.771E-12	2.688E-11	0.242632	hyper	sig	chr12_130476908
chr5	1.54E+08	154474238	+	2.771E-12	2.6885E-11	0.240887	hyper	sig	chr5_154474238
chr1	11898300	11898300	+	2.773E-12	2.6895E-11	0.311828	hyper	sig	chr1_11898300
chr15	89408235	89408235	+	2.773E-12	2.6901E-11	0.268718	hyper	sig	chr15_89408235
chr10	1.32E+08	132445098	+	2.776E-12	2.693E-11	-0.25003	hypo	sig	chr10_132445098
chr17	78854052	78854052	+	2.778E-12	2.6943E-11	-0.24209	hypo	sig	chr17_78854052
chr2	2.18E+08	218389891	+	2.778E-12	2.6944E-11	-0.23832	hypo	sig	chr2_218389891
chr14	60507291	60507291	+	2.781E-12	2.697E-11	0.252959	hyper	sig	chr14_60507291
chr8	53882068	53882068	+	2.781E-12	2.6971E-11	0.260614	hyper	sig	chr8_53882068
chr10	75408777	75408777	+	2.781E-12	2.6973E-11	0.26426	hyper	sig	chr10_75408777
chr6	1.46E+08	146434502	+	2.783E-12	2.6988E-11	0.295815	hyper	sig	chr6_146434502
chr16	1256834	1256834	+	2.783E-12	2.6993E-11	-0.23035	hypo	sig	chr16_1256834
chr2	2.18E+08	218008447	+	2.784E-12	2.6997E-11	-0.25182	hypo	sig	chr2_218008447
chr2	2.32E+08	231680661	+	2.787E-12	2.7026E-11	-0.25261	hypo	sig	chr2_231680661
chr15	37098166	37098166	+	2.787E-12	2.7029E-11	0.301009	hyper	sig	chr15_37098166
chr10	68562199	68562199	+	2.788E-12	2.7034E-11	0.265976	hyper	sig	chr10_68562199
chr15	37110371	37110371	+	2.788E-12	2.7037E-11	0.219799	hyper	sig	chr15_37110371
chr12	1.31E+08	130954010	+	2.788E-12	2.7041E-11	0.21167	hyper	sig	chr12_130954010
chr3	24829867	24829867	+	2.789E-12	2.7047E-11	0.267814	hyper	sig	chr3_24829867
chr11	1.34E+08	134124815	+	2.79E-12	2.7054E-11	0.226373	hyper	sig	chr11_134124815
chr12	53975772	53975772	+	2.791E-12	2.7064E-11	0.261333	hyper	sig	chr12_53975772
chr2	2.42E+08	241804036	+	2.791E-12	2.7067E-11	0.203012	hyper	sig	chr2_241804036
chr22	36991378	36991378	+	2.791E-12	2.7067E-11	-0.24576	hypo	sig	chr22_36991378
chr17	29043039	29043039	+	2.792E-12	2.7076E-11	-0.21755	hypo	sig	chr17_29043039
chr6	2891705	2891705	+	2.795E-12	2.7105E-11	-0.23583	hypo	sig	chr6_2891705
chr5	1.5E+08	150209629	+	2.796E-12	2.7111E-11	-0.27054	hypo	sig	chr5_150209629
chr7	229320	229320	+	2.797E-12	2.7124E-11	0.259215	hyper	sig	chr7_229320
chr11	705070	705070	+	2.797E-12	2.7125E-11	-0.20299	hypo	sig	chr11_705070
chr7	1694554	1694554	+	2.798E-12	2.7128E-11	-0.24027	hypo	sig	chr7_1694554
chr3	1.94E+08	193869860	+	2.802E-12	2.717E-11	-0.21954	hypo	sig	chr3_193869860
chr1	2321398	2321398	+	2.803E-12	2.718E-11	0.219943	hyper	sig	chr1_2321398
chr5	1.41E+08	141352435	+	2.805E-12	2.7195E-11	0.312693	hyper	sig	chr5_141352435
chr18	77249040	77249040	+	2.809E-12	2.7232E-11	0.21232	hyper	sig	chr18_77249040
chr7	1.49E+08	149415366	+	2.809E-12	2.7236E-11	0.256904	hyper	sig	chr7_149415366
chr4	1.21E+08	121381110	+	2.81E-12	2.7237E-11	0.240581	hyper	sig	chr4_121381110
chr10	1.23E+08	123148224	+	2.813E-12	2.7271E-11	0.248254	hyper	sig	chr10_123148224
chr6	30983617	30983617	+	2.813E-12	2.7273E-11	-0.2351	hypo	sig	chr6_30983617
chr1	3011978	3011978	+	2.814E-12	2.7278E-11	0.228057	hyper	sig	chr1_3011978
chr12	56488788	56488788	+	2.815E-12	2.7285E-11	0.235852	hyper	sig	chr12_56488788
chr10	13890812	13890812	+	2.816E-12	2.7301E-11	0.218017	hyper	sig	chr10_13890812
chr13	1.14E+08	114017424	+	2.817E-12	2.7307E-11	-0.2167	hypo	sig	chr13_114017424
chr17	29016763	29016763	+	2.817E-12	2.731E-11	-0.2511	hypo	sig	chr17_29016763
chr20	21103726	21103726	+	2.82E-12	2.7337E-11	0.325917	hyper	sig	chr20_21103726
chr10	1.22E+08	122149382	+	2.825E-12	2.7384E-11	0.217956	hyper	sig	chr10_122149382
chr6	1.23E+08	122996402	+	2.826E-12	2.7391E-11	0.223607	hyper	sig	chr6_122996402
chr22	44729515	44729515	+	2.827E-12	2.7395E-11	0.243144	hyper	sig	chr22_44729515
chr1	1.57E+08	156849352	+	2.831E-12	2.7439E-11	0.250963	hyper	sig	chr1_156849352
chr7	946194	946194	+	2.833E-12	2.746E-11	-0.26968	hypo	sig	chr7_946194
chr2	3648275	3648275	+	2.834E-12	2.7463E-11	-0.2064	hypo	sig	chr2_3648275
chr3	27720919	27720919	+	2.835E-12	2.747E-11	0.214571	hyper	sig	chr3_27720919
chr2	2.22E+08	222294566	+	2.836E-12	2.7484E-11	0.209828	hyper	sig	chr2_222294566

chr14	21022921	21022921	+	2.837E-12	2.749E-11	0.221281	hyper	sig	chr14_21022921
chr3	13283428	13283428	+	2.837E-12	2.7495E-11	0.201357	hyper	sig	chr3_13283428
chr5	3597185	3597185	+	2.839E-12	2.7514E-11	0.227801	hyper	sig	chr5_3597185
chr7	45718045	45718045	+	2.839E-12	2.7515E-11	-0.23444	hypo	sig	chr7_45718045
chr9	1.37E+08	137031250	+	2.841E-12	2.7528E-11	-0.2353	hypo	sig	chr9_137031250
chr19	43388666	43388666	+	2.841E-12	2.7532E-11	-0.20142	hypo	sig	chr19_43388666
chr10	1.34E+08	133627694	+	2.842E-12	2.7542E-11	-0.30517	hypo	sig	chr10_133627694
chr16	4796171	4796171	+	2.843E-12	2.7544E-11	-0.25682	hypo	sig	chr16_4796171
chr2	1496436	1496436	+	2.844E-12	2.7557E-11	-0.29105	hypo	sig	chr2_1496436
chr1	2806269	2806269	+	2.847E-12	2.7589E-11	-0.2952	hypo	sig	chr1_2806269
chr17	48541919	48541919	+	2.849E-12	2.7601E-11	0.282651	hyper	sig	chr17_48541919
chr17	42784465	42784465	+	2.849E-12	2.7604E-11	0.238742	hyper	sig	chr17_42784465
chr1	1.19E+08	119008325	+	2.852E-12	2.7632E-11	0.283573	hyper	sig	chr1_119008325
chr2	31234780	31234780	+	2.855E-12	2.7663E-11	0.274762	hyper	sig	chr2_31234780
chr12	85273607	85273607	+	2.856E-12	2.7667E-11	0.224666	hyper	sig	chr12_85273607
chr17	82244567	82244567	+	2.856E-12	2.7667E-11	0.208969	hyper	sig	chr17_82244567
chr11	43583214	43583214	+	2.857E-12	2.7677E-11	0.252608	hyper	sig	chr11_43583214
chr5	1.41E+08	141239999	+	2.858E-12	2.7684E-11	0.244706	hyper	sig	chr5_141239999
chr2	10957747	10957747	+	2.858E-12	2.7687E-11	-0.24427	hypo	sig	chr2_10957747
chr5	37835007	37835007	+	2.859E-12	2.7695E-11	0.27185	hyper	sig	chr5_37835007
chr12	4810018	4810018	+	2.86E-12	2.7701E-11	0.327811	hyper	sig	chr12_4810018
chr5	51387508	51387508	+	2.86E-12	2.7707E-11	0.242603	hyper	sig	chr5_51387508
chr9	1052560	1052560	+	2.86E-12	2.7707E-11	0.267394	hyper	sig	chr9_1052560
chr1	1.48E+08	148309644	+	2.862E-12	2.7722E-11	0.267593	hyper	sig	chr1_148309644
chr5	50964276	50964276	+	2.863E-12	2.773E-11	0.216858	hyper	sig	chr5_50964276
chr6	1.61E+08	161416186	+	2.864E-12	2.7739E-11	-0.2133	hypo	sig	chr6_161416186
chr6	1.66E+08	166005568	+	2.869E-12	2.7793E-11	0.260113	hyper	sig	chr6_166005568
chr17	1231684	1231684	+	2.874E-12	2.7832E-11	-0.22098	hypo	sig	chr17_1231684
chr16	66579321	66579321	+	2.874E-12	2.7837E-11	0.245262	hyper	sig	chr16_66579321
chr17	61454396	61454396	+	2.875E-12	2.7844E-11	0.222735	hyper	sig	chr17_61454396
chr12	1.14E+08	114445493	+	2.875E-12	2.7848E-11	0.207023	hyper	sig	chr12_114445493
chr2	26847515	26847515	+	2.879E-12	2.788E-11	0.220129	hyper	sig	chr2_26847515
chr1	2E+08	200042145	+	2.879E-12	2.7881E-11	0.243868	hyper	sig	chr1_200042145
chr11	31818210	31818210	+	2.88E-12	2.7889E-11	0.309391	hyper	sig	chr11_31818210
chr19	406262	406262	+	2.88E-12	2.7893E-11	-0.26079	hypo	sig	chr19_406262
chr8	37831447	37831447	+	2.883E-12	2.792E-11	-0.20339	hypo	sig	chr8_37831447
chr12	1.13E+08	113479849	+	2.883E-12	2.7923E-11	0.218223	hyper	sig	chr12_113479849
chr10	1.33E+08	133100315	+	2.886E-12	2.795E-11	-0.20127	hypo	sig	chr10_133100315
chr9	1.38E+08	137877161	+	2.887E-12	2.796E-11	0.203816	hyper	sig	chr9_137877161
chr12	95995896	95995896	+	2.89E-12	2.7986E-11	-0.2121	hypo	sig	chr12_95995896
chr3	43109862	43109862	+	2.891E-12	2.799E-11	-0.25971	hypo	sig	chr3_43109862
chr8	72251484	72251484	+	2.891E-12	2.7995E-11	0.311289	hyper	sig	chr8_72251484
chr4	54103525	54103525	+	2.895E-12	2.8031E-11	0.203738	hyper	sig	chr4_54103525
chr19	1064213	1064213	+	2.896E-12	2.8037E-11	-0.22106	hypo	sig	chr19_1064213
chr14	1.02E+08	102048689	+	2.897E-12	2.8046E-11	0.202274	hyper	sig	chr14_102048689
chr3	48656151	48656151	+	2.897E-12	2.8053E-11	0.308602	hyper	sig	chr3_48656151
chr5	1.78E+08	177997266	+	2.898E-12	2.8059E-11	-0.20663	hypo	sig	chr5_177997266
chr9	1.38E+08	137514166	+	2.901E-12	2.8085E-11	-0.23542	hypo	sig	chr9_137514166
chr16	3013724	3013724	+	2.902E-12	2.8095E-11	0.251283	hyper	sig	chr16_3013724
chr9	2933841	2933841	+	2.902E-12	2.8099E-11	-0.27605	hypo	sig	chr9_2933841
chr16	88186420	88186420	+	2.902E-12	2.8099E-11	0.266853	hyper	sig	chr16_88186420
chr22	36322598	36322598	+	2.903E-12	2.8102E-11	0.241928	hyper	sig	chr22_36322598
chr6	10384862	10384862	+	2.903E-12	2.8102E-11	0.302818	hyper	sig	chr6_10384862
chr5	80570581	80570581	+	2.903E-12	2.8107E-11	0.229353	hyper	sig	chr5_80570581
chr15	1.01E+08	101372242	+	2.904E-12	2.8116E-11	0.249679	hyper	sig	chr15_101372242
chr8	30353122	30353122	+	2.906E-12	2.8128E-11	-0.2047	hypo	sig	chr8_30353122

chr11	1.12E+08	111513099	+	2.907E-12	2.8143E-11	0.206764	hyper	sig	chr11_111513099
chr20	16573928	16573928	+	2.909E-12	2.8159E-11	-0.25642	hypo	sig	chr20_16573928
chr15	88604576	88604576	+	2.909E-12	2.8161E-11	0.209923	hyper	sig	chr15_88604576
chr3	27728691	27728691	+	2.911E-12	2.8175E-11	0.220524	hyper	sig	chr3_27728691
chr8	43276403	43276403	+	2.911E-12	2.8176E-11	0.223009	hyper	sig	chr8_43276403
chr2	1.76E+08	176124789	+	2.911E-12	2.818E-11	-0.24035	hypo	sig	chr2_176124789
chr6	1.37E+08	137495836	+	2.913E-12	2.8196E-11	0.264815	hyper	sig	chr6_137495836
chr15	88638384	88638384	+	2.915E-12	2.8213E-11	-0.20098	hypo	sig	chr15_88638384
chr15	89411860	89411860	+	2.915E-12	2.8215E-11	0.209714	hyper	sig	chr15_89411860
chr2	26693754	26693754	+	2.916E-12	2.8228E-11	0.208938	hyper	sig	chr2_26693754
chr20	21397519	21397519	+	2.918E-12	2.8244E-11	0.233541	hyper	sig	chr20_21397519
chr21	46142133	46142133	+	2.92E-12	2.8265E-11	-0.20153	hypo	sig	chr21_46142133
chr6	1.7E+08	170166467	+	2.92E-12	2.8265E-11	-0.26163	hypo	sig	chr6_170166467
chr5	1.71E+08	171308188	+	2.921E-12	2.8268E-11	0.204214	hyper	sig	chr5_171308188
chr15	89221677	89221677	+	2.921E-12	2.8269E-11	-0.23725	hypo	sig	chr15_89221677
chr2	1.99E+08	199470782	+	2.922E-12	2.8277E-11	0.202811	hyper	sig	chr2_199470782
chr1	30769204	30769204	+	2.923E-12	2.8287E-11	-0.24215	hypo	sig	chr1_30769204
chr13	94701987	94701987	+	2.924E-12	2.83E-11	0.325154	hyper	sig	chr13_94701987
chr1	983085	983085	+	2.925E-12	2.8306E-11	-0.2584	hypo	sig	chr1_983085
chr19	38304205	38304205	+	2.926E-12	2.8318E-11	-0.26695	hypo	sig	chr19_38304205
chr13	1.12E+08	111558815	+	2.926E-12	2.8321E-11	-0.24728	hypo	sig	chr13_111558815
chr20	3843612	3843612	+	2.929E-12	2.8343E-11	-0.254	hypo	sig	chr20_3843612
chr14	60642459	60642459	+	2.929E-12	2.8346E-11	0.26624	hyper	sig	chr14_60642459
chr5	1.39E+08	139393630	+	2.93E-12	2.8351E-11	0.269081	hyper	sig	chr5_139393630
chr3	1.7E+08	170423167	+	2.931E-12	2.8359E-11	-0.26215	hypo	sig	chr3_170423167
chr19	48444303	48444303	+	2.931E-12	2.8367E-11	0.296145	hyper	sig	chr19_48444303
chr1	1.57E+08	156846046	+	2.932E-12	2.8373E-11	0.260672	hyper	sig	chr1_156846046
chr15	96363256	96363256	+	2.932E-12	2.8374E-11	-0.21308	hypo	sig	chr15_96363256
chr19	1465620	1465620	+	2.932E-12	2.8375E-11	0.278385	hyper	sig	chr19_1465620
chr3	13932999	13932999	+	2.934E-12	2.8386E-11	0.2407	hyper	sig	chr3_13932999
chr8	26381627	26381627	+	2.934E-12	2.8389E-11	-0.2111	hypo	sig	chr8_26381627
chr12	1.32E+08	132394348	+	2.937E-12	2.8422E-11	-0.22657	hypo	sig	chr12_132394348
chr20	46152221	46152221	+	2.94E-12	2.8447E-11	-0.26195	hypo	sig	chr20_46152221
chr1	75135338	75135338	+	2.94E-12	2.845E-11	0.202891	hyper	sig	chr1_75135338
chr7	1.57E+08	157002185	+	2.941E-12	2.8454E-11	0.275498	hyper	sig	chr7_157002185
chr1	2.27E+08	226637905	+	2.941E-12	2.8457E-11	0.211161	hyper	sig	chr1_226637905
chr10	63132913	63132913	+	2.941E-12	2.8458E-11	-0.23204	hypo	sig	chr10_63132913
chr2	1.28E+08	127664544	+	2.942E-12	2.8464E-11	0.23112	hyper	sig	chr2_127664544
chr4	1.47E+08	146632992	+	2.942E-12	2.8464E-11	0.25818	hyper	sig	chr4_146632992
chr14	94643495	94643495	+	2.943E-12	2.847E-11	-0.29126	hypo	sig	chr14_94643495
chr19	17377726	17377726	+	2.944E-12	2.848E-11	-0.31547	hypo	sig	chr19_17377726
chr13	1.14E+08	114109019	+	2.945E-12	2.8494E-11	-0.24001	hypo	sig	chr13_114109019
chr7	57404574	57404574	+	2.947E-12	2.8505E-11	0.228596	hyper	sig	chr7_57404574
chr10	90857072	90857072	+	2.947E-12	2.8511E-11	0.279104	hyper	sig	chr10_90857072
chr15	45187485	45187485	+	2.947E-12	2.8512E-11	0.24375	hyper	sig	chr15_45187485
chr6	1.68E+08	168192291	+	2.948E-12	2.8514E-11	-0.23754	hypo	sig	chr6_168192291
chr17	43917587	43917587	+	2.948E-12	2.8518E-11	0.212127	hyper	sig	chr17_43917587
chr16	81693516	81693516	+	2.951E-12	2.8549E-11	0.206773	hyper	sig	chr16_81693516
chr3	9552447	9552447	+	2.952E-12	2.8551E-11	0.226309	hyper	sig	chr3_9552447
chr17	21452949	21452949	+	2.954E-12	2.8571E-11	0.208588	hyper	sig	chr17_21452949
chr2	42492803	42492803	+	2.955E-12	2.8577E-11	0.332937	hyper	sig	chr2_42492803
chr9	1.3E+08	129598463	+	2.955E-12	2.8577E-11	-0.24053	hypo	sig	chr9_129598463
chr4	3482376	3482376	+	2.955E-12	2.8582E-11	-0.24465	hypo	sig	chr4_3482376
chr11	1033161	1033161	+	2.957E-12	2.8601E-11	-0.20916	hypo	sig	chr11_1033161
chr8	1.42E+08	142297608	+	2.959E-12	2.8619E-11	-0.21748	hypo	sig	chr8_142297608
chr7	1331129	1331129	+	2.961E-12	2.8633E-11	0.238404	hyper	sig	chr7_1331129

chr16	31042701	31042701	+	2.964E-12	2.8668E-11	0.237414	hyper	sig	chr16_31042701
chr19	45815301	45815301	+	2.966E-12	2.8683E-11	0.294988	hyper	sig	chr19_45815301
chr5	42924147	42924147	+	2.966E-12	2.8685E-11	0.201387	hyper	sig	chr5_42924147
chr12	1.19E+08	119398462	+	2.967E-12	2.8691E-11	-0.25058	hypo	sig	chr12_119398462
chr1	2.45E+08	244761660	+	2.967E-12	2.8696E-11	-0.23523	hypo	sig	chr1_244761660
chr1	1.56E+08	155989333	+	2.97E-12	2.8722E-11	0.257299	hyper	sig	chr1_155989333
chr19	57230918	57230918	+	2.971E-12	2.8726E-11	0.222275	hyper	sig	chr19_57230918
chr1	3063572	3063572	+	2.973E-12	2.8749E-11	0.256335	hyper	sig	chr1_3063572
chr7	36154245	36154245	+	2.973E-12	2.875E-11	0.210969	hyper	sig	chr7_36154245
chr1	1070016	1070016	+	2.974E-12	2.8761E-11	-0.22372	hypo	sig	chr1_1070016
chr2	1.09E+08	109031502	+	2.977E-12	2.8788E-11	0.224761	hyper	sig	chr2_109031502
chr1	2E+08	200035105	+	2.977E-12	2.8789E-11	0.203191	hyper	sig	chr1_200035105
chr15	74133236	74133236	+	2.978E-12	2.8794E-11	0.283231	hyper	sig	chr15_74133236
chr12	62191426	62191426	+	2.98E-12	2.8809E-11	0.259463	hyper	sig	chr12_62191426
chr22	36818820	36818820	+	2.981E-12	2.8821E-11	-0.20922	hypo	sig	chr22_36818820
chr19	40623976	40623976	+	2.981E-12	2.8821E-11	-0.22901	hypo	sig	chr19_40623976
chr1	35577772	35577772	+	2.982E-12	2.8833E-11	0.268673	hyper	sig	chr1_35577772
chr4	1.66E+08	165874470	+	2.983E-12	2.8837E-11	0.246983	hyper	sig	chr4_165874470
chr4	6753355	6753355	+	2.988E-12	2.8888E-11	-0.20421	hypo	sig	chr4_6753355
chr17	48571175	48571175	+	2.99E-12	2.8908E-11	0.200613	hyper	sig	chr17_48571175
chr17	79138027	79138027	+	2.993E-12	2.893E-11	0.203682	hyper	sig	chr17_79138027
chr2	2.41E+08	240832008	+	2.994E-12	2.8942E-11	0.201254	hyper	sig	chr2_240832008
chr5	1.7E+08	169637636	+	2.994E-12	2.8944E-11	0.251023	hyper	sig	chr5_169637636
chr11	1.29E+08	128549378	+	2.995E-12	2.8955E-11	0.30759	hyper	sig	chr11_128549378
chr2	94994348	94994348	+	2.998E-12	2.8983E-11	-0.20191	hypo	sig	chr2_94994348
chr20	25148205	25148205	+	3.001E-12	2.9011E-11	0.24937	hyper	sig	chr20_25148205
chr4	41751911	41751911	+	3.002E-12	2.9016E-11	0.214025	hyper	sig	chr4_41751911
chr2	1.75E+08	174730469	+	3.004E-12	2.9038E-11	0.26159	hyper	sig	chr2_174730469
chr5	1.55E+08	154691613	+	3.007E-12	2.9065E-11	0.240353	hyper	sig	chr5_154691613
chr17	16617770	16617770	+	3.008E-12	2.907E-11	0.263108	hyper	sig	chr17_16617770
chr9	1.36E+08	136129441	+	3.008E-12	2.9073E-11	0.239832	hyper	sig	chr9_136129441
chr7	39855057	39855057	+	3.01E-12	2.9094E-11	0.235497	hyper	sig	chr7_39855057
chr7	45921909	45921909	+	3.01E-12	2.9094E-11	0.220044	hyper	sig	chr7_45921909
chr19	36421894	36421894	+	3.011E-12	2.9097E-11	0.250598	hyper	sig	chr19_36421894
chr19	51724714	51724714	+	3.011E-12	2.9103E-11	0.220943	hyper	sig	chr19_51724714
chr13	27975832	27975832	+	3.012E-12	2.9106E-11	0.239163	hyper	sig	chr13_27975832
chr22	22520165	22520165	+	3.013E-12	2.912E-11	-0.23685	hypo	sig	chr22_22520165
chr7	57404614	57404614	+	3.014E-12	2.9128E-11	0.229329	hyper	sig	chr7_57404614
chr1	16521096	16521096	+	3.015E-12	2.9139E-11	0.222797	hyper	sig	chr1_16521096
chr4	3484389	3484389	+	3.018E-12	2.9163E-11	-0.23638	hypo	sig	chr4_3484389
chr13	87677539	87677539	+	3.02E-12	2.9186E-11	0.256974	hyper	sig	chr13_87677539
chr16	89085413	89085413	+	3.021E-12	2.9188E-11	-0.20085	hypo	sig	chr16_89085413
chr16	86432474	86432474	+	3.024E-12	2.922E-11	0.22374	hyper	sig	chr16_86432474
chr6	1.69E+08	169225393	+	3.025E-12	2.9234E-11	-0.2931	hypo	sig	chr6_169225393
chr19	58115930	58115930	+	3.028E-12	2.9263E-11	-0.22687	hypo	sig	chr19_58115930
chr4	1.33E+08	133151608	+	3.029E-12	2.9266E-11	0.247608	hyper	sig	chr4_133151608
chr8	1.43E+08	142911359	+	3.03E-12	2.9274E-11	-0.27973	hypo	sig	chr8_142911359
chr12	453667	453667	+	3.031E-12	2.9283E-11	-0.25472	hypo	sig	chr12_453667
chr16	4680409	4680409	+	3.031E-12	2.929E-11	-0.20533	hypo	sig	chr16_4680409
chr5	1.79E+08	178577110	+	3.033E-12	2.9301E-11	0.23267	hyper	sig	chr5_178577110
chr14	1.04E+08	103727943	+	3.034E-12	2.9317E-11	0.248624	hyper	sig	chr14_103727943
chr16	84827273	84827273	+	3.034E-12	2.9317E-11	0.254683	hyper	sig	chr16_84827273
chr10	1.17E+08	117132888	+	3.035E-12	2.9319E-11	0.24758	hyper	sig	chr10_117132888
chr1	1.82E+08	181731517	+	3.037E-12	2.9339E-11	-0.2777	hypo	sig	chr1_181731517
chr2	1233586	1233586	+	3.039E-12	2.9362E-11	0.214712	hyper	sig	chr2_1233586
chr8	10595409	10595409	+	3.041E-12	2.9377E-11	-0.22123	hypo	sig	chr8_10595409

chr19	40568144	40568144	+	3.042E-12	2.9391E-11	0.237471	hyper	sig	chr19_40568144
chr18	79826175	79826175	+	3.045E-12	2.9412E-11	-0.3009	hypo	sig	chr18_79826175
chr19	4911046	4911046	+	3.046E-12	2.9424E-11	-0.22073	hypo	sig	chr19_4911046
chr19	7928610	7928610	+	3.046E-12	2.9426E-11	0.282044	hyper	sig	chr19_7928610
chr17	62138116	62138116	+	3.047E-12	2.9434E-11	0.208388	hyper	sig	chr17_62138116
chr5	843518	843518	+	3.048E-12	2.9438E-11	-0.25109	hypo	sig	chr5_843518
chr7	97013156	97013156	+	3.048E-12	2.9447E-11	0.296338	hyper	sig	chr7_97013156
chr6	1.69E+08	168872037	+	3.05E-12	2.9456E-11	-0.2059	hypo	sig	chr6_168872037
chr12	38154207	38154207	+	3.051E-12	2.9466E-11	-0.21979	hypo	sig	chr12_38154207
chr9	1.33E+08	132579531	+	3.051E-12	2.9467E-11	0.296001	hyper	sig	chr9_132579531
chr11	1.23E+08	123302959	+	3.051E-12	2.9472E-11	-0.20283	hypo	sig	chr11_123302959
chr2	1.55E+08	154698541	+	3.052E-12	2.9476E-11	0.218856	hyper	sig	chr2_154698541
chr11	64395868	64395868	+	3.052E-12	2.9478E-11	-0.23533	hypo	sig	chr11_64395868
chr10	1.24E+08	123889325	+	3.053E-12	2.9482E-11	0.210957	hyper	sig	chr10_123889325
chr7	97006903	97006903	+	3.053E-12	2.9487E-11	0.241185	hyper	sig	chr7_97006903
chr5	1.39E+08	139393615	+	3.056E-12	2.9512E-11	0.261816	hyper	sig	chr5_139393615
chr17	45246963	45246963	+	3.056E-12	2.9514E-11	0.235735	hyper	sig	chr17_45246963
chr1	3236658	3236658	+	3.062E-12	2.9566E-11	-0.26567	hypo	sig	chr1_3236658
chr13	91399461	91399461	+	3.063E-12	2.9582E-11	0.225315	hyper	sig	chr13_91399461
chr18	77056126	77056126	+	3.064E-12	2.9593E-11	-0.28817	hypo	sig	chr18_77056126
chr1	3283941	3283941	+	3.066E-12	2.961E-11	0.226024	hyper	sig	chr1_3283941
chr6	43276566	43276566	+	3.068E-12	2.9622E-11	-0.26819	hypo	sig	chr6_43276566
chr12	38151330	38151330	+	3.069E-12	2.9635E-11	-0.25336	hypo	sig	chr12_38151330
chr7	1.44E+08	143885512	+	3.07E-12	2.9639E-11	0.2386	hyper	sig	chr7_143885512
chr6	34002166	34002166	+	3.07E-12	2.9642E-11	0.237497	hyper	sig	chr6_34002166
chr10	380398	380398	+	3.07E-12	2.9642E-11	0.215173	hyper	sig	chr10_380398
chr2	1.61E+08	161416690	+	3.073E-12	2.9667E-11	0.21631	hyper	sig	chr2_161416690
chr12	24902805	24902805	+	3.079E-12	2.9728E-11	0.314655	hyper	sig	chr12_24902805
chr16	876743	876743	+	3.079E-12	2.973E-11	-0.25364	hypo	sig	chr16_876743
chr3	45035723	45035723	+	3.081E-12	2.9745E-11	0.250773	hyper	sig	chr3_45035723
chr6	1.68E+08	167999437	+	3.087E-12	2.9798E-11	-0.20778	hypo	sig	chr6_167999437
chr16	66459130	66459130	+	3.087E-12	2.9803E-11	-0.2163	hypo	sig	chr16_66459130
chr14	37599119	37599119	+	3.088E-12	2.9805E-11	0.320014	hyper	sig	chr14_37599119
chr8	1483134	1483134	+	3.089E-12	2.9814E-11	-0.24281	hypo	sig	chr8_1483134
chr4	7938213	7938213	+	3.09E-12	2.9827E-11	0.221848	hyper	sig	chr4_7938213
chr1	1.65E+08	165355147	+	3.093E-12	2.9858E-11	0.268682	hyper	sig	chr1_165355147
chr15	25781005	25781005	+	3.095E-12	2.9871E-11	-0.20694	hypo	sig	chr15_25781005
chr1	1.57E+08	156893337	+	3.095E-12	2.9872E-11	0.289793	hyper	sig	chr1_156893337
chr2	2.2E+08	219852399	+	3.095E-12	2.9875E-11	0.240661	hyper	sig	chr2_219852399
chr12	81759536	81759536	+	3.1E-12	2.992E-11	0.207885	hyper	sig	chr12_81759536
chr12	1.3E+08	130473617	+	3.101E-12	2.9928E-11	-0.22099	hypo	sig	chr12_130473617
chr15	83379504	83379504	+	3.102E-12	2.9938E-11	0.210294	hyper	sig	chr15_83379504
chr6	1.7E+08	170250665	+	3.106E-12	2.9976E-11	-0.21877	hypo	sig	chr6_170250665
chr8	55939527	55939527	+	3.108E-12	2.9996E-11	0.430572	hyper	sig	chr8_55939527
chr17	14304033	14304033	+	3.112E-12	3.0034E-11	0.25758	hyper	sig	chr17_14304033
chr11	66543818	66543818	+	3.113E-12	3.0038E-11	0.250156	hyper	sig	chr11_66543818
chr6	1624722	1624722	+	3.113E-12	3.0042E-11	0.303685	hyper	sig	chr6_1624722
chr15	24101795	24101795	+	3.113E-12	3.0043E-11	0.212959	hyper	sig	chr15_24101795
chr2	2.42E+08	241926929	+	3.113E-12	3.0045E-11	-0.23052	hypo	sig	chr2_241926929
chr20	57392591	57392591	+	3.113E-12	3.0045E-11	0.253865	hyper	sig	chr20_57392591
chr9	96219155	96219155	+	3.114E-12	3.0049E-11	-0.28923	hypo	sig	chr9_96219155
chr13	1.13E+08	113420640	+	3.115E-12	3.0056E-11	-0.28747	hypo	sig	chr13_113420640
chr6	35787903	35787903	+	3.115E-12	3.0058E-11	-0.25551	hypo	sig	chr6_35787903
chr10	1.05E+08	104641066	+	3.116E-12	3.0071E-11	0.266061	hyper	sig	chr10_104641066
chr2	70901144	70901144	+	3.116E-12	3.0071E-11	0.216973	hyper	sig	chr2_70901144
chr16	85265001	85265001	+	3.118E-12	3.0084E-11	-0.23144	hypo	sig	chr16_85265001

chr5	45695536	45695536	+	3.118E-12	3.0085E-11	0.281586	hyper	sig	chr5_45695536
chr2	1.21E+08	120766116	+	3.119E-12	3.0098E-11	0.250175	hyper	sig	chr2_120766116
chr5	1.59E+08	159104368	+	3.12E-12	3.0108E-11	0.298166	hyper	sig	chr5_159104368
chr7	1847301	1847301	+	3.121E-12	3.0109E-11	0.220638	hyper	sig	chr7_1847301
chr2	98937367	98937367	+	3.124E-12	3.0142E-11	0.268139	hyper	sig	chr2_98937367
chr11	1.12E+08	111513143	+	3.125E-12	3.0148E-11	0.21112	hyper	sig	chr11_111513143
chr15	64914974	64914974	+	3.125E-12	3.0154E-11	-0.2282	hypo	sig	chr15_64914974
chr5	1.7E+08	169637616	+	3.126E-12	3.0161E-11	0.244362	hyper	sig	chr5_169637616
chr19	5245917	5245917	+	3.128E-12	3.0177E-11	-0.23228	hypo	sig	chr19_5245917
chr20	46895300	46895300	+	3.128E-12	3.0177E-11	0.204756	hyper	sig	chr20_46895300
chr6	1606111	1606111	+	3.128E-12	3.0177E-11	0.220568	hyper	sig	chr6_1606111
chr10	79382576	79382576	+	3.129E-12	3.0186E-11	0.220902	hyper	sig	chr10_79382576
chr13	23418930	23418930	+	3.13E-12	3.0192E-11	-0.22933	hypo	sig	chr13_23418930
chr1	1.61E+08	161472900	+	3.13E-12	3.0196E-11	-0.22542	hypo	sig	chr1_161472900
chr9	62800447	62800447	+	3.132E-12	3.0212E-11	0.248435	hyper	sig	chr9_62800447
chr17	47848253	47848253	+	3.136E-12	3.0255E-11	0.284565	hyper	sig	chr17_47848253
chr10	99522208	99522208	+	3.137E-12	3.0256E-11	-0.20427	hypo	sig	chr10_99522208
chr14	44912097	44912097	+	3.139E-12	3.0283E-11	0.254329	hyper	sig	chr14_44912097
chr8	8390254	8390254	+	3.14E-12	3.0288E-11	-0.2488	hypo	sig	chr8_8390254
chr7	1.41E+08	140693375	+	3.142E-12	3.0305E-11	0.239144	hyper	sig	chr7_140693375
chr13	78607881	78607881	+	3.146E-12	3.0342E-11	0.227616	hyper	sig	chr13_78607881
chr1	2.26E+08	225809251	+	3.147E-12	3.035E-11	-0.21732	hypo	sig	chr1_225809251
chr17	65536816	65536816	+	3.147E-12	3.0354E-11	-0.26756	hypo	sig	chr17_65536816
chr6	1.05E+08	104953003	+	3.149E-12	3.0369E-11	0.232319	hyper	sig	chr6_104953003
chr3	1.41E+08	140683388	+	3.15E-12	3.0379E-11	-0.21161	hypo	sig	chr3_140683388
chr20	43507156	43507156	+	3.151E-12	3.0388E-11	0.224392	hyper	sig	chr20_43507156
chr16	533687	533687	+	3.151E-12	3.0392E-11	-0.22243	hypo	sig	chr16_533687
chr16	86568927	86568927	+	3.152E-12	3.0394E-11	0.261216	hyper	sig	chr16_86568927
chr1	2270521	2270521	+	3.152E-12	3.0395E-11	0.333262	hyper	sig	chr1_2270521
chr12	54047348	54047348	+	3.153E-12	3.0405E-11	0.242314	hyper	sig	chr12_54047348
chr13	50127456	50127456	+	3.154E-12	3.0414E-11	0.306673	hyper	sig	chr13_50127456
chr12	26196536	26196536	+	3.154E-12	3.0415E-11	0.203931	hyper	sig	chr12_26196536
chr5	1.41E+08	141151580	+	3.159E-12	3.046E-11	0.244365	hyper	sig	chr5_141151580
chr17	30235068	30235068	+	3.159E-12	3.0464E-11	0.241577	hyper	sig	chr17_30235068
chr8	46219200	46219200	+	3.16E-12	3.047E-11	-0.25559	hypo	sig	chr8_46219200
chr19	8589596	8589596	+	3.161E-12	3.0484E-11	-0.26118	hypo	sig	chr19_8589596
chr2	72925543	72925543	+	3.163E-12	3.0494E-11	0.240143	hyper	sig	chr2_72925543
chr8	1.45E+08	144500207	+	3.163E-12	3.0494E-11	0.250861	hyper	sig	chr8_144500207
chr11	30584117	30584117	+	3.164E-12	3.0509E-11	0.281831	hyper	sig	chr11_30584117
chr1	1127369	1127369	+	3.165E-12	3.0515E-11	-0.2342	hypo	sig	chr1_1127369
chr1	1.46E+08	145872388	+	3.165E-12	3.0516E-11	0.201874	hyper	sig	chr1_145872388
chr3	1.5E+08	149657280	+	3.168E-12	3.0543E-11	0.245334	hyper	sig	chr3_149657280
chr6	32089607	32089607	+	3.169E-12	3.0549E-11	-0.2278	hypo	sig	chr6_32089607
chr1	1.61E+08	161079770	+	3.17E-12	3.0561E-11	0.217192	hyper	sig	chr1_161079770
chr5	139894	139894	+	3.172E-12	3.0576E-11	-0.22401	hypo	sig	chr5_139894
chr1	65526127	65526127	+	3.172E-12	3.0579E-11	0.239882	hyper	sig	chr1_65526127
chr7	1849897	1849897	+	3.173E-12	3.0585E-11	0.278874	hyper	sig	chr7_1849897
chr7	2567235	2567235	+	3.173E-12	3.0587E-11	0.246958	hyper	sig	chr7_2567235
chr17	77541362	77541362	+	3.178E-12	3.0633E-11	-0.21789	hypo	sig	chr17_77541362
chr16	10180424	10180424	+	3.179E-12	3.0643E-11	0.304831	hyper	sig	chr16_10180424
chr2	1.75E+08	174730164	+	3.182E-12	3.0671E-11	0.216952	hyper	sig	chr2_174730164
chr4	1.54E+08	154492525	+	3.182E-12	3.0676E-11	-0.21732	hypo	sig	chr4_154492525
chr7	97732092	97732092	+	3.186E-12	3.0706E-11	0.207003	hyper	sig	chr7_97732092
chr6	30127918	30127918	+	3.186E-12	3.0708E-11	0.241879	hyper	sig	chr6_30127918
chr1	2892274	2892274	+	3.188E-12	3.0727E-11	0.249707	hyper	sig	chr1_2892274
chr19	47021863	47021863	+	3.19E-12	3.0743E-11	0.258174	hyper	sig	chr19_47021863

chr1	2.24E+08	224175731	+	3.19E-12	3.0745E-11	0.301149	hyper	sig	chr1_224175731
chr19	1005337	1005337	+	3.19E-12	3.0747E-11	-0.23045	hypo	sig	chr19_1005337
chr2	63057633	63057633	+	3.19E-12	3.0751E-11	0.281299	hyper	sig	chr2_63057633
chr9	1.26E+08	126226749	+	3.195E-12	3.0791E-11	-0.28504	hypo	sig	chr9_126226749
chr8	1.41E+08	141226952	+	3.201E-12	3.0854E-11	0.229176	hyper	sig	chr8_141226952
chr7	636480	636480	+	3.202E-12	3.0856E-11	-0.27317	hypo	sig	chr7_636480
chr12	62191464	62191464	+	3.202E-12	3.0861E-11	0.278319	hyper	sig	chr12_62191464
chr10	90857273	90857273	+	3.203E-12	3.0866E-11	0.265109	hyper	sig	chr10_90857273
chr12	45051587	45051587	+	3.205E-12	3.0889E-11	0.28255	hyper	sig	chr12_45051587
chr16	30012415	30012415	+	3.206E-12	3.0899E-11	0.216715	hyper	sig	chr16_30012415
chr19	49025750	49025750	+	3.206E-12	3.0899E-11	-0.23029	hypo	sig	chr19_49025750
chr7	1230979	1230979	+	3.208E-12	3.0913E-11	0.260606	hyper	sig	chr7_1230979
chr2	2.39E+08	239247277	+	3.209E-12	3.0922E-11	-0.2777	hypo	sig	chr2_239247277
chr7	1810810	1810810	+	3.211E-12	3.0939E-11	0.260493	hyper	sig	chr7_1810810
chr16	85644527	85644527	+	3.213E-12	3.0956E-11	-0.3115	hypo	sig	chr16_85644527
chr11	47187692	47187692	+	3.217E-12	3.1E-11	0.227817	hyper	sig	chr11_47187692
chr11	2141343	2141343	+	3.219E-12	3.1011E-11	0.246313	hyper	sig	chr11_2141343
chr4	54103521	54103521	+	3.219E-12	3.1012E-11	0.200002	hyper	sig	chr4_54103521
chr6	65998744	65998744	+	3.219E-12	3.1016E-11	-0.27088	hypo	sig	chr6_65998744
chr17	36943643	36943643	+	3.22E-12	3.1028E-11	0.203603	hyper	sig	chr17_36943643
chr17	80510427	80510427	+	3.222E-12	3.1045E-11	-0.20015	hypo	sig	chr17_80510427
chr18	78126761	78126761	+	3.223E-12	3.1051E-11	0.261851	hyper	sig	chr18_78126761
chr2	69387973	69387973	+	3.224E-12	3.106E-11	-0.24484	hypo	sig	chr2_69387973
chr1	1.47E+08	147079670	+	3.225E-12	3.1066E-11	0.311132	hyper	sig	chr1_147079670
chr7	27110734	27110734	+	3.225E-12	3.1068E-11	0.217054	hyper	sig	chr7_27110734
chr2	2.37E+08	237368902	+	3.229E-12	3.1104E-11	-0.25327	hypo	sig	chr2_237368902
chr2	2.4E+08	240291008	+	3.23E-12	3.1112E-11	-0.2043	hypo	sig	chr2_240291008
chr6	1.08E+08	108117402	+	3.23E-12	3.1119E-11	0.312044	hyper	sig	chr6_108117402
chr1	2104974	2104974	+	3.232E-12	3.113E-11	-0.20253	hypo	sig	chr1_2104974
chr1	2.03E+08	203086351	+	3.235E-12	3.1165E-11	-0.28838	hypo	sig	chr1_203086351
chr1	3571287	3571287	+	3.235E-12	3.1166E-11	-0.2114	hypo	sig	chr1_3571287
chr1	21013486	21013486	+	3.236E-12	3.1172E-11	0.250523	hyper	sig	chr1_21013486
chr11	94401155	94401155	+	3.237E-12	3.1184E-11	0.262222	hyper	sig	chr11_94401155
chr16	51156162	51156162	+	3.242E-12	3.1231E-11	0.219499	hyper	sig	chr16_51156162
chr7	1.56E+08	155534550	+	3.242E-12	3.1232E-11	0.203272	hyper	sig	chr7_155534550
chr10	49441975	49441975	+	3.243E-12	3.1232E-11	0.279194	hyper	sig	chr10_49441975
chr5	1.41E+08	141421929	+	3.245E-12	3.1252E-11	0.23242	hyper	sig	chr5_141421929
chr6	1.6E+08	160259218	+	3.248E-12	3.1285E-11	0.235091	hyper	sig	chr6_160259218
chr11	76186389	76186389	+	3.252E-12	3.1315E-11	0.235914	hyper	sig	chr11_76186389
chr4	1.9E+08	190015717	+	3.256E-12	3.1357E-11	0.264905	hyper	sig	chr4_190015717
chr8	48923409	48923409	+	3.256E-12	3.1358E-11	-0.27011	hypo	sig	chr8_48923409
chr8	60922560	60922560	+	3.256E-12	3.1359E-11	0.219432	hyper	sig	chr8_60922560
chr6	1.63E+08	163148145	+	3.258E-12	3.1371E-11	-0.26142	hypo	sig	chr6_163148145
chr17	44558508	44558508	+	3.258E-12	3.1373E-11	0.282856	hyper	sig	chr17_44558508
chr1	27872034	27872034	+	3.26E-12	3.1394E-11	-0.2858	hypo	sig	chr1_27872034
chr6	41560860	41560860	+	3.264E-12	3.1433E-11	0.246065	hyper	sig	chr6_41560860
chr7	1.28E+08	128363547	+	3.265E-12	3.1437E-11	-0.22328	hypo	sig	chr7_128363547
chr1	2.03E+08	203027022	+	3.265E-12	3.1442E-11	0.230391	hyper	sig	chr1_203027022
chr2	2.39E+08	239483103	+	3.267E-12	3.1452E-11	-0.239	hypo	sig	chr2_239483103
chr8	1495731	1495731	+	3.267E-12	3.1452E-11	-0.25256	hypo	sig	chr8_1495731
chr10	49678953	49678953	+	3.268E-12	3.1461E-11	0.212724	hyper	sig	chr10_49678953
chr6	70957417	70957417	+	3.268E-12	3.1463E-11	0.201672	hyper	sig	chr6_70957417
chr2	1.19E+08	118835866	+	3.268E-12	3.1467E-11	0.243324	hyper	sig	chr2_118835866
chr5	1.7E+08	169637670	+	3.269E-12	3.1474E-11	0.244227	hyper	sig	chr5_169637670
chr2	2.41E+08	240672588	+	3.269E-12	3.1475E-11	0.235516	hyper	sig	chr2_240672588
chr5	32522796	32522796	+	3.269E-12	3.1475E-11	-0.24293	hypo	sig	chr5_32522796

chr17	75828787	75828787	+	3.27E-12	3.1485E-11	0.230193	hyper	sig	chr17_75828787
chr19	53883767	53883767	+	3.271E-12	3.1487E-11	0.253784	hyper	sig	chr19_53883767
chr10	1.33E+08	132547739	+	3.274E-12	3.1516E-11	-0.24796	hypo	sig	chr10_132547739
chr10	43790370	43790370	+	3.274E-12	3.1523E-11	-0.27831	hypo	sig	chr10_43790370
chr19	932841	932841	+	3.275E-12	3.1528E-11	-0.2181	hypo	sig	chr19_932841
chr14	1.01E+08	100891285	+	3.276E-12	3.1536E-11	-0.25384	hypo	sig	chr14_100891285
chr16	2083768	2083768	+	3.279E-12	3.1564E-11	0.255035	hyper	sig	chr16_2083768
chr7	1.55E+08	155381631	+	3.282E-12	3.159E-11	0.27901	hyper	sig	chr7_155381631
chr17	29565876	29565876	+	3.282E-12	3.1595E-11	-0.23428	hypo	sig	chr17_29565876
chr7	927269	927269	+	3.284E-12	3.1609E-11	-0.24645	hypo	sig	chr7_927269
chr12	1.24E+08	124423523	+	3.286E-12	3.1626E-11	0.244613	hyper	sig	chr12_124423523
chr2	6918448	6918448	+	3.286E-12	3.1628E-11	0.217533	hyper	sig	chr2_6918448
chr19	49037014	49037014	+	3.287E-12	3.164E-11	-0.24468	hypo	sig	chr19_49037014
chr10	99521471	99521471	+	3.288E-12	3.1643E-11	-0.2128	hypo	sig	chr10_99521471
chr17	3893615	3893615	+	3.288E-12	3.1646E-11	-0.2592	hypo	sig	chr17_3893615
chr7	2729317	2729317	+	3.289E-12	3.1652E-11	0.204759	hyper	sig	chr7_2729317
chr8	38770564	38770564	+	3.289E-12	3.1652E-11	0.241931	hyper	sig	chr8_38770564
chr19	3180037	3180037	+	3.289E-12	3.1653E-11	-0.22471	hypo	sig	chr19_3180037
chr21	26965268	26965268	+	3.291E-12	3.1676E-11	0.293103	hyper	sig	chr21_26965268
chr5	1.46E+08	146334084	+	3.293E-12	3.169E-11	0.228209	hyper	sig	chr5_146334084
chr3	45035885	45035885	+	3.293E-12	3.1692E-11	0.218434	hyper	sig	chr3_45035885
chr8	32549450	32549450	+	3.293E-12	3.1692E-11	0.266786	hyper	sig	chr8_32549450
chr1	27351475	27351475	+	3.294E-12	3.1704E-11	0.254195	hyper	sig	chr1_27351475
chr21	26963862	26963862	+	3.295E-12	3.1706E-11	0.206459	hyper	sig	chr21_26963862
chr20	327657	327657	+	3.296E-12	3.1715E-11	0.240306	hyper	sig	chr20_327657
chr19	57726995	57726995	+	3.296E-12	3.172E-11	0.297227	hyper	sig	chr19_57726995
chr15	80251055	80251055	+	3.297E-12	3.1729E-11	0.226969	hyper	sig	chr15_80251055
chr1	90717540	90717540	+	3.299E-12	3.1745E-11	0.32435	hyper	sig	chr1_90717540
chr14	1.02E+08	101555414	+	3.3E-12	3.1755E-11	-0.22081	hypo	sig	chr14_101555414
chr5	2642340	2642340	+	3.302E-12	3.1774E-11	-0.27818	hypo	sig	chr5_2642340
chr17	77960338	77960338	+	3.304E-12	3.1791E-11	0.226074	hyper	sig	chr17_77960338
chr12	6046667	6046667	+	3.304E-12	3.1792E-11	-0.24706	hypo	sig	chr12_6046667
chr1	1.71E+08	170660450	+	3.307E-12	3.1817E-11	0.280927	hyper	sig	chr1_170660450
chr7	182414	182414	+	3.307E-12	3.182E-11	-0.34002	hypo	sig	chr7_182414
chr7	1.49E+08	149066211	+	3.309E-12	3.1838E-11	-0.35296	hypo	sig	chr7_149066211
chr19	45935345	45935345	+	3.311E-12	3.186E-11	-0.24676	hypo	sig	chr19_45935345
chr15	89240177	89240177	+	3.312E-12	3.1865E-11	-0.22105	hypo	sig	chr15_89240177
chr7	1.49E+08	149066215	+	3.312E-12	3.1865E-11	-0.3898	hypo	sig	chr7_149066215
chr17	78140907	78140907	+	3.313E-12	3.1871E-11	-0.22358	hypo	sig	chr17_78140907
chr6	1.33E+08	133240867	+	3.313E-12	3.1874E-11	0.227914	hyper	sig	chr6_133240867
chr3	9136502	9136502	+	3.315E-12	3.1887E-11	0.251104	hyper	sig	chr3_9136502
chr7	39855066	39855066	+	3.315E-12	3.1895E-11	0.238447	hyper	sig	chr7_39855066
chr1	1.65E+08	165355621	+	3.316E-12	3.1897E-11	0.279468	hyper	sig	chr1_165355621
chr2	1.22E+08	121686337	+	3.316E-12	3.1902E-11	-0.24396	hypo	sig	chr2_121686337
chr13	1.14E+08	114027261	+	3.316E-12	3.1903E-11	0.294041	hyper	sig	chr13_114027261
chr12	51217119	51217119	+	3.318E-12	3.1918E-11	0.204347	hyper	sig	chr12_51217119
chr6	1.09E+08	108946124	+	3.319E-12	3.1925E-11	0.237282	hyper	sig	chr6_108946124
chr18	28176468	28176468	+	3.319E-12	3.1926E-11	0.270287	hyper	sig	chr18_28176468
chr1	2.18E+08	218347447	+	3.319E-12	3.1928E-11	0.233187	hyper	sig	chr1_218347447
chr3	1.31E+08	130517476	+	3.32E-12	3.1933E-11	0.257149	hyper	sig	chr3_130517476
chr5	1.38E+08	138138990	+	3.32E-12	3.1938E-11	0.21742	hyper	sig	chr5_138138990
chr7	35971341	35971341	+	3.321E-12	3.1942E-11	-0.21485	hypo	sig	chr7_35971341
chr19	18438870	18438870	+	3.324E-12	3.1967E-11	0.220597	hyper	sig	chr19_18438870
chr14	51752203	51752203	+	3.327E-12	3.1996E-11	-0.26206	hypo	sig	chr14_51752203
chr14	92937927	92937927	+	3.327E-12	3.2002E-11	-0.26208	hypo	sig	chr14_92937927
chr20	56625849	56625849	+	3.328E-12	3.2012E-11	0.27813	hyper	sig	chr20_56625849

chr19	38265202	38265202	+	3.331E-12	3.2032E-11	-0.26081	hypo	sig	chr19_38265202
chr6	30163749	30163749	+	3.331E-12	3.204E-11	-0.21363	hypo	sig	chr6_30163749
chr19	53329198	53329198	+	3.333E-12	3.2057E-11	0.299843	hyper	sig	chr19_53329198
chr7	56228940	56228940	+	3.335E-12	3.2069E-11	-0.33742	hypo	sig	chr7_56228940
chr12	57478590	57478590	+	3.335E-12	3.207E-11	-0.27787	hypo	sig	chr12_57478590
chr3	1.33E+08	133410307	+	3.335E-12	3.2071E-11	-0.2498	hypo	sig	chr3_133410307
chr21	42403726	42403726	+	3.336E-12	3.2081E-11	-0.20128	hypo	sig	chr21_42403726
chr10	773663	773663	+	3.336E-12	3.2083E-11	-0.26122	hypo	sig	chr10_773663
chr13	20713187	20713187	+	3.338E-12	3.2101E-11	-0.22405	hypo	sig	chr13_20713187
chr4	13540197	13540197	+	3.339E-12	3.2112E-11	0.242397	hyper	sig	chr4_13540197
chr17	77373581	77373581	+	3.343E-12	3.2145E-11	0.266893	hyper	sig	chr17_77373581
chr1	2.31E+08	231336522	+	3.344E-12	3.2157E-11	-0.22147	hypo	sig	chr1_231336522
chr20	25991441	25991441	+	3.345E-12	3.2159E-11	-0.26848	hypo	sig	chr20_25991441
chr1	2243523	2243523	+	3.348E-12	3.2193E-11	0.223286	hyper	sig	chr1_2243523
chr1	1.18E+08	117607686	+	3.35E-12	3.2206E-11	-0.24309	hypo	sig	chr1_117607686
chr6	3270332	3270332	+	3.35E-12	3.2207E-11	-0.20531	hypo	sig	chr6_3270332
chr5	1.41E+08	140803242	+	3.351E-12	3.2217E-11	0.230067	hyper	sig	chr5_140803242
chr2	31581310	31581310	+	3.354E-12	3.2249E-11	0.284599	hyper	sig	chr2_31581310
chr7	1.57E+08	156949114	+	3.354E-12	3.2249E-11	0.201061	hyper	sig	chr7_156949114
chr6	28259507	28259507	+	3.356E-12	3.2262E-11	0.301987	hyper	sig	chr6_28259507
chr7	4862119	4862119	+	3.356E-12	3.2262E-11	0.283222	hyper	sig	chr7_4862119
chr6	33163559	33163559	+	3.356E-12	3.2267E-11	-0.20805	hypo	sig	chr6_33163559
chr13	25096045	25096045	+	3.357E-12	3.227E-11	0.239663	hyper	sig	chr13_25096045
chr5	6845631	6845631	+	3.357E-12	3.2277E-11	-0.20287	hypo	sig	chr5_6845631
chr4	6753300	6753300	+	3.358E-12	3.2282E-11	-0.21549	hypo	sig	chr4_6753300
chr14	41607899	41607899	+	3.362E-12	3.2315E-11	0.220519	hyper	sig	chr14_41607899
chr2	1.63E+08	163348471	+	3.364E-12	3.2335E-11	0.213904	hyper	sig	chr2_163348471
chr10	1.17E+08	117197487	+	3.366E-12	3.2357E-11	-0.24916	hypo	sig	chr10_117197487
chr19	36666383	36666383	+	3.366E-12	3.2357E-11	0.305263	hyper	sig	chr19_36666383
chr14	53952097	53952097	+	3.367E-12	3.2367E-11	0.237916	hyper	sig	chr14_53952097
chr8	1.4E+08	139702973	+	3.37E-12	3.2388E-11	0.216066	hyper	sig	chr8_139702973
chr20	40690750	40690750	+	3.37E-12	3.2397E-11	0.277011	hyper	sig	chr20_40690750
chr6	1.67E+08	166656565	+	3.372E-12	3.2416E-11	-0.23007	hypo	sig	chr6_166656565
chr10	71806223	71806223	+	3.373E-12	3.2417E-11	-0.23515	hypo	sig	chr10_71806223
chr9	95086175	95086175	+	3.373E-12	3.2424E-11	0.206966	hyper	sig	chr9_95086175
chr5	1.41E+08	141150893	+	3.375E-12	3.2436E-11	0.218801	hyper	sig	chr5_141150893
chr19	5915204	5915204	+	3.376E-12	3.2445E-11	0.282119	hyper	sig	chr19_5915204
chr19	11674414	11674414	+	3.379E-12	3.2478E-11	0.238978	hyper	sig	chr19_11674414
chr3	1.29E+08	129046543	+	3.38E-12	3.2481E-11	0.216156	hyper	sig	chr3_129046543
chr19	10545013	10545013	+	3.382E-12	3.2502E-11	-0.23732	hypo	sig	chr19_10545013
chr15	99925815	99925815	+	3.382E-12	3.2504E-11	0.214385	hyper	sig	chr15_99925815
chr9	1.31E+08	130666742	+	3.382E-12	3.2504E-11	0.20147	hyper	sig	chr9_130666742
chr19	36152749	36152749	+	3.383E-12	3.2507E-11	0.276206	hyper	sig	chr19_36152749
chr2	1.15E+08	115162867	+	3.383E-12	3.251E-11	0.276821	hyper	sig	chr2_115162867
chr21	33026211	33026211	+	3.384E-12	3.252E-11	0.222707	hyper	sig	chr21_33026211
chr2	2769646	2769646	+	3.386E-12	3.2544E-11	0.232424	hyper	sig	chr2_2769646
chr4	1035743	1035743	+	3.387E-12	3.2547E-11	-0.23708	hypo	sig	chr4_1035743
chr2	30218365	30218365	+	3.387E-12	3.2547E-11	-0.2635	hypo	sig	chr2_30218365
chr4	41746594	41746594	+	3.388E-12	3.2555E-11	0.251501	hyper	sig	chr4_41746594
chr14	76825363	76825363	+	3.388E-12	3.256E-11	-0.20039	hypo	sig	chr14_76825363
chr16	88685483	88685483	+	3.394E-12	3.2615E-11	0.225251	hyper	sig	chr16_88685483
chr15	94856050	94856050	+	3.396E-12	3.263E-11	-0.28351	hypo	sig	chr15_94856050
chr16	29663776	29663776	+	3.4E-12	3.2669E-11	-0.24567	hypo	sig	chr16_29663776
chr2	25822289	25822289	+	3.404E-12	3.2707E-11	0.285689	hyper	sig	chr2_25822289
chr4	1.85E+08	184983892	+	3.405E-12	3.2719E-11	-0.26205	hypo	sig	chr4_184983892
chr18	26547595	26547595	+	3.406E-12	3.2722E-11	0.322585	hyper	sig	chr18_26547595

chr5	88695554	88695554	+	3.408E-12	3.2746E-11	0.288112	hyper	sig	chr5_88695554
chr16	29194422	29194422	+	3.409E-12	3.2747E-11	-0.21671	hypo	sig	chr16_29194422
chr4	1.57E+08	157222694	+	3.409E-12	3.2749E-11	0.218773	hyper	sig	chr4_157222694
chr17	77320439	77320439	+	3.411E-12	3.2765E-11	0.239469	hyper	sig	chr17_77320439
chr2	21044088	21044088	+	3.415E-12	3.281E-11	-0.21531	hypo	sig	chr2_21044088
chr10	99530454	99530454	+	3.415E-12	3.281E-11	0.22184	hyper	sig	chr10_99530454
chr8	378540	378540	+	3.417E-12	3.2822E-11	-0.23239	hypo	sig	chr8_378540
chr19	52898010	52898010	+	3.42E-12	3.2854E-11	0.204923	hyper	sig	chr19_52898010
chr19	1254183	1254183	+	3.423E-12	3.2881E-11	0.266433	hyper	sig	chr19_1254183
chr15	67824138	67824138	+	3.424E-12	3.2891E-11	0.20376	hyper	sig	chr15_67824138
chr10	16519623	16519623	+	3.425E-12	3.2898E-11	0.236786	hyper	sig	chr10_16519623
chr1	1.19E+08	118989695	+	3.425E-12	3.2903E-11	0.234111	hyper	sig	chr1_118989695
chr5	1291731	1291731	+	3.426E-12	3.2909E-11	-0.2385	hypo	sig	chr5_1291731
chr9	975061	975061	+	3.426E-12	3.2909E-11	0.236151	hyper	sig	chr9_975061
chr13	1.1E+08	110379889	+	3.427E-12	3.2914E-11	-0.26399	hypo	sig	chr13_110379889
chr16	87132793	87132793	+	3.428E-12	3.2927E-11	-0.26137	hypo	sig	chr16_87132793
chr20	63402217	63402217	+	3.428E-12	3.2929E-11	-0.22242	hypo	sig	chr20_63402217
chr1	2043362	2043362	+	3.429E-12	3.2938E-11	-0.23257	hypo	sig	chr1_2043362
chr8	97598244	97598244	+	3.43E-12	3.2942E-11	-0.2551	hypo	sig	chr8_97598244
chr12	57632285	57632285	+	3.43E-12	3.2943E-11	0.231058	hyper	sig	chr12_57632285
chr5	1.38E+08	138492571	+	3.43E-12	3.2946E-11	0.267064	hyper	sig	chr5_138492571
chr6	1.46E+08	146434538	+	3.433E-12	3.2972E-11	0.306792	hyper	sig	chr6_146434538
chr7	76285643	76285643	+	3.436E-12	3.2998E-11	-0.27272	hypo	sig	chr7_76285643
chr6	1.37E+08	137492820	+	3.437E-12	3.3006E-11	0.289767	hyper	sig	chr6_137492820
chr7	22032512	22032512	+	3.438E-12	3.3019E-11	-0.20438	hypo	sig	chr7_22032512
chr8	1302141	1302141	+	3.442E-12	3.3056E-11	-0.2139	hypo	sig	chr8_1302141
chr5	524915	524915	+	3.451E-12	3.3142E-11	0.235521	hyper	sig	chr5_524915
chr10	1.02E+08	101774744	+	3.453E-12	3.3159E-11	0.248035	hyper	sig	chr10_101774744
chr2	95026211	95026211	+	3.453E-12	3.316E-11	0.242398	hyper	sig	chr2_95026211
chr19	1230858	1230858	+	3.455E-12	3.3173E-11	0.242904	hyper	sig	chr19_1230858
chr10	1.33E+08	133100095	+	3.46E-12	3.3224E-11	-0.24083	hypo	sig	chr10_133100095
chr16	1020139	1020139	+	3.461E-12	3.3225E-11	-0.2568	hypo	sig	chr16_1020139
chr1	3120358	3120358	+	3.461E-12	3.3225E-11	0.24502	hyper	sig	chr1_3120358
chr2	2.19E+08	218962122	+	3.462E-12	3.3233E-11	0.218166	hyper	sig	chr2_218962122
chr9	1.28E+08	127755569	+	3.463E-12	3.3248E-11	0.225853	hyper	sig	chr9_127755569
chr13	1.01E+08	100625658	+	3.464E-12	3.3253E-11	0.205615	hyper	sig	chr13_100625658
chr2	63048402	63048402	+	3.466E-12	3.3278E-11	0.256273	hyper	sig	chr2_63048402
chr1	24931813	24931813	+	3.474E-12	3.3345E-11	0.273691	hyper	sig	chr1_24931813
chr16	51156027	51156027	+	3.476E-12	3.3364E-11	0.247017	hyper	sig	chr16_51156027
chr8	18666412	18666412	+	3.477E-12	3.3373E-11	-0.28296	hypo	sig	chr8_18666412
chr9	94332663	94332663	+	3.479E-12	3.3399E-11	0.227706	hyper	sig	chr9_94332663
chr1	3227503	3227503	+	3.479E-12	3.3399E-11	0.207784	hyper	sig	chr1_3227503
chr7	73830454	73830454	+	3.48E-12	3.3407E-11	-0.23028	hypo	sig	chr7_73830454
chr21	46661403	46661403	+	3.482E-12	3.3427E-11	0.316934	hyper	sig	chr21_46661403
chr16	48231858	48231858	+	3.484E-12	3.3442E-11	-0.23639	hypo	sig	chr16_48231858
chr9	92807297	92807297	+	3.486E-12	3.3455E-11	0.246165	hyper	sig	chr9_92807297
chr19	17648558	17648558	+	3.489E-12	3.3483E-11	-0.21312	hypo	sig	chr19_17648558
chr13	1.11E+08	111410312	+	3.489E-12	3.3486E-11	-0.27716	hypo	sig	chr13_111410312
chr6	43996559	43996559	+	3.49E-12	3.3492E-11	0.278089	hyper	sig	chr6_43996559
chr5	1.32E+08	132295302	+	3.49E-12	3.3497E-11	-0.21175	hypo	sig	chr5_132295302
chr12	1.32E+08	132329168	+	3.491E-12	3.3502E-11	0.222342	hyper	sig	chr12_132329168
chr12	33438573	33438573	+	3.491E-12	3.3506E-11	0.274854	hyper	sig	chr12_33438573
chr11	32427967	32427967	+	3.493E-12	3.3519E-11	0.251522	hyper	sig	chr11_32427967
chr6	36839149	36839149	+	3.493E-12	3.3521E-11	0.239609	hyper	sig	chr6_36839149
chr10	1.32E+08	131774644	+	3.493E-12	3.3523E-11	-0.26391	hypo	sig	chr10_131774644
chr14	71933477	71933477	+	3.494E-12	3.3532E-11	0.218514	hyper	sig	chr14_71933477

chr20	56625917	56625917	+	3.494E-12	3.3533E-11	0.252327	hyper	sig	chr20_56625917
chr17	49226706	49226706	+	3.494E-12	3.3535E-11	-0.20126	hypo	sig	chr17_49226706
chr7	74209349	74209349	+	3.498E-12	3.3571E-11	-0.24249	hypo	sig	chr7_74209349
chr21	42668853	42668853	+	3.5E-12	3.3583E-11	0.223035	hyper	sig	chr21_42668853
chr7	4725190	4725190	+	3.5E-12	3.3589E-11	0.243993	hyper	sig	chr7_4725190
chr16	85147391	85147391	+	3.504E-12	3.3628E-11	-0.20326	hypo	sig	chr16_85147391
chr4	1.74E+08	173515767	+	3.506E-12	3.3641E-11	-0.229	hypo	sig	chr4_173515767
chr11	2826451	2826451	+	3.506E-12	3.3644E-11	0.231487	hyper	sig	chr11_2826451
chr2	47688778	47688778	+	3.508E-12	3.366E-11	-0.22327	hypo	sig	chr2_47688778
chr3	21406225	21406225	+	3.512E-12	3.3697E-11	-0.27134	hypo	sig	chr3_21406225
chr10	1.32E+08	132272566	+	3.513E-12	3.3709E-11	0.272696	hyper	sig	chr10_132272566
chr6	41638185	41638185	+	3.515E-12	3.3721E-11	0.264372	hyper	sig	chr6_41638185
chr11	68854182	68854182	+	3.515E-12	3.3728E-11	0.201873	hyper	sig	chr11_68854182
chr7	44309696	44309696	+	3.519E-12	3.3765E-11	0.202849	hyper	sig	chr7_44309696
chr11	655448	655448	+	3.523E-12	3.38E-11	-0.21386	hypo	sig	chr11_655448
chr6	10416296	10416296	+	3.526E-12	3.3827E-11	0.226668	hyper	sig	chr6_10416296
chr5	1.41E+08	140870896	+	3.527E-12	3.3832E-11	0.235629	hyper	sig	chr5_140870896
chr5	1.41E+08	141383173	+	3.527E-12	3.3834E-11	0.21782	hyper	sig	chr5_141383173
chr15	24101830	24101830	+	3.527E-12	3.3836E-11	0.210692	hyper	sig	chr15_24101830
chr1	2.14E+08	213980075	+	3.528E-12	3.384E-11	0.239693	hyper	sig	chr1_213980075
chr11	69818362	69818362	+	3.528E-12	3.3844E-11	0.205923	hyper	sig	chr11_69818362
chr9	975825	975825	+	3.529E-12	3.3849E-11	0.225994	hyper	sig	chr9_975825
chr16	49280986	49280986	+	3.53E-12	3.3864E-11	0.222853	hyper	sig	chr16_49280986
chr20	32745188	32745188	+	3.531E-12	3.387E-11	-0.2874	hypo	sig	chr20_32745188
chr17	1137644	1137644	+	3.531E-12	3.3872E-11	-0.27167	hypo	sig	chr17_1137644
chr20	46541623	46541623	+	3.534E-12	3.3897E-11	0.205466	hyper	sig	chr20_46541623
chr7	218132	218132	+	3.536E-12	3.3915E-11	-0.20424	hypo	sig	chr7_218132
chr20	21521664	21521664	+	3.539E-12	3.3946E-11	0.240182	hyper	sig	chr20_21521664
chr11	47187704	47187704	+	3.539E-12	3.3946E-11	0.276188	hyper	sig	chr11_47187704
chr6	30883292	30883292	+	3.541E-12	3.3963E-11	-0.22498	hypo	sig	chr6_30883292
chr20	64031017	64031017	+	3.541E-12	3.3965E-11	-0.28622	hypo	sig	chr20_64031017
chr2	96527308	96527308	+	3.542E-12	3.3966E-11	0.270818	hyper	sig	chr2_96527308
chr10	26946698	26946698	+	3.543E-12	3.3984E-11	0.203809	hyper	sig	chr10_26946698
chr13	1.13E+08	112910822	+	3.545E-12	3.4002E-11	0.237661	hyper	sig	chr13_112910822
chr1	9067442	9067442	+	3.547E-12	3.4014E-11	-0.24393	hypo	sig	chr1_9067442
chr3	1.95E+08	195035669	+	3.547E-12	3.4014E-11	0.231575	hyper	sig	chr3_195035669
chr22	50044976	50044976	+	3.547E-12	3.4017E-11	-0.27339	hypo	sig	chr22_50044976
chr6	1E+08	100467984	+	3.55E-12	3.4044E-11	0.260295	hyper	sig	chr6_100467984
chr16	4307345	4307345	+	3.554E-12	3.4077E-11	-0.27623	hypo	sig	chr16_4307345
chr2	83879063	83879063	+	3.554E-12	3.4077E-11	-0.22655	hypo	sig	chr2_83879063
chr8	1.45E+08	144790936	+	3.559E-12	3.4124E-11	-0.28956	hypo	sig	chr8_144790936
chr13	94758158	94758158	+	3.562E-12	3.4157E-11	-0.22102	hypo	sig	chr13_94758158
chr1	2428038	2428038	+	3.562E-12	3.4157E-11	-0.2061	hypo	sig	chr1_2428038
chr8	41653527	41653527	+	3.564E-12	3.4175E-11	0.234164	hyper	sig	chr8_41653527
chr12	49334414	49334414	+	3.566E-12	3.4188E-11	0.266452	hyper	sig	chr12_49334414
chr17	80960161	80960161	+	3.573E-12	3.4259E-11	0.235223	hyper	sig	chr17_80960161
chr8	23573253	23573253	+	3.576E-12	3.4282E-11	0.242594	hyper	sig	chr8_23573253
chr2	1.05E+08	104845303	+	3.577E-12	3.4291E-11	0.230898	hyper	sig	chr2_104845303
chr8	97278131	97278131	+	3.578E-12	3.43E-11	0.222982	hyper	sig	chr8_97278131
chr7	1082005	1082005	+	3.578E-12	3.4304E-11	0.221883	hyper	sig	chr7_1082005
chr16	85982738	85982738	+	3.579E-12	3.4306E-11	-0.21649	hypo	sig	chr16_85982738
chr14	1.04E+08	104385486	+	3.58E-12	3.4323E-11	-0.20768	hypo	sig	chr14_104385486
chr19	40226323	40226323	+	3.582E-12	3.434E-11	0.20028	hyper	sig	chr19_40226323
chr4	8343766	8343766	+	3.582E-12	3.434E-11	0.252238	hyper	sig	chr4_8343766
chr12	1.14E+08	114414470	+	3.583E-12	3.4344E-11	0.334722	hyper	sig	chr12_114414470
chr14	28785614	28785614	+	3.583E-12	3.4344E-11	0.234634	hyper	sig	chr14_28785614

chr21	43720511	43720511	+	3.584E-12	3.4354E-11	-0.21362	hypo	sig	chr21_43720511
chr16	1532218	1532218	+	3.585E-12	3.4365E-11	0.342437	hyper	sig	chr16_1532218
chr12	49955539	49955539	+	3.586E-12	3.437E-11	0.276607	hyper	sig	chr12_49955539
chr11	94545429	94545429	+	3.591E-12	3.4421E-11	-0.20562	hypo	sig	chr11_94545429
chr19	4927764	4927764	+	3.592E-12	3.4428E-11	0.23965	hyper	sig	chr19_4927764
chr4	4339659	4339659	+	3.593E-12	3.4438E-11	0.227903	hyper	sig	chr4_4339659
chr14	1.03E+08	102923673	+	3.594E-12	3.4441E-11	0.21484	hyper	sig	chr14_102923673
chr4	2812446	2812446	+	3.594E-12	3.4445E-11	-0.24853	hypo	sig	chr4_2812446
chr1	8232555	8232555	+	3.594E-12	3.4445E-11	-0.20915	hypo	sig	chr1_8232555
chr16	1186874	1186874	+	3.594E-12	3.4446E-11	-0.22419	hypo	sig	chr16_1186874
chr1	38570250	38570250	+	3.596E-12	3.446E-11	-0.25716	hypo	sig	chr1_38570250
chr2	25822329	25822329	+	3.597E-12	3.4471E-11	0.238232	hyper	sig	chr2_25822329
chr14	1.05E+08	104928860	+	3.598E-12	3.4479E-11	-0.23164	hypo	sig	chr14_104928860
chr1	38476731	38476731	+	3.599E-12	3.4489E-11	0.265079	hyper	sig	chr1_38476731
chr19	53521392	53521392	+	3.6E-12	3.4501E-11	0.244071	hyper	sig	chr19_53521392
chr10	1.34E+08	133529056	+	3.607E-12	3.4563E-11	0.236725	hyper	sig	chr10_133529056
chr1	1.55E+08	155052820	+	3.611E-12	3.4598E-11	-0.24879	hypo	sig	chr1_155052820
chr22	46390954	46390954	+	3.612E-12	3.461E-11	-0.24396	hypo	sig	chr22_46390954
chr3	43995578	43995578	+	3.612E-12	3.4611E-11	0.218567	hyper	sig	chr3_43995578
chr3	1.38E+08	138434027	+	3.612E-12	3.4612E-11	0.257937	hyper	sig	chr3_138434027
chr19	54209551	54209551	+	3.614E-12	3.4627E-11	-0.21253	hypo	sig	chr19_54209551
chr10	79240137	79240137	+	3.616E-12	3.4646E-11	0.200356	hyper	sig	chr10_79240137
chr14	69548112	69548112	+	3.617E-12	3.4657E-11	0.227881	hyper	sig	chr14_69548112
chr14	1.01E+08	101461660	+	3.62E-12	3.4681E-11	-0.28339	hypo	sig	chr14_101461660
chr17	334202	334202	+	3.622E-12	3.4701E-11	0.212699	hyper	sig	chr17_334202
chr16	66579423	66579423	+	3.623E-12	3.471E-11	0.237794	hyper	sig	chr16_66579423
chr9	1.35E+08	134775453	+	3.626E-12	3.4736E-11	0.20966	hyper	sig	chr9_134775453
chr7	1.51E+08	151395251	+	3.626E-12	3.4737E-11	-0.22882	hypo	sig	chr7_151395251
chr7	1.57E+08	157006463	+	3.631E-12	3.4784E-11	0.232862	hyper	sig	chr7_157006463
chr2	88451664	88451664	+	3.632E-12	3.4795E-11	0.234657	hyper	sig	chr2_88451664
chr20	21102174	21102174	+	3.633E-12	3.4808E-11	0.284216	hyper	sig	chr20_21102174
chr7	1406629	1406629	+	3.634E-12	3.4809E-11	-0.27034	hypo	sig	chr7_1406629
chr1	1.97E+08	196897399	+	3.636E-12	3.4828E-11	0.255357	hyper	sig	chr1_196897399
chr10	1.32E+08	132116048	+	3.636E-12	3.4829E-11	-0.22752	hypo	sig	chr10_132116048
chr19	40614485	40614485	+	3.637E-12	3.4838E-11	0.244857	hyper	sig	chr19_40614485
chr7	57404848	57404848	+	3.637E-12	3.4838E-11	0.274228	hyper	sig	chr7_57404848
chr6	6004104	6004104	+	3.639E-12	3.4855E-11	0.281891	hyper	sig	chr6_6004104
chr17	8073214	8073214	+	3.639E-12	3.4857E-11	0.20865	hyper	sig	chr17_8073214
chr9	69174675	69174675	+	3.64E-12	3.4866E-11	0.22429	hyper	sig	chr9_69174675
chr7	2665677	2665677	+	3.642E-12	3.4882E-11	-0.24963	hypo	sig	chr7_2665677
chr12	1.25E+08	124713187	+	3.642E-12	3.4883E-11	-0.22966	hypo	sig	chr12_124713187
chr18	79436244	79436244	+	3.643E-12	3.4896E-11	-0.23345	hypo	sig	chr18_79436244
chr7	76037450	76037450	+	3.648E-12	3.4939E-11	0.210442	hyper	sig	chr7_76037450
chr2	1.71E+08	170814025	+	3.649E-12	3.4947E-11	0.2058	hyper	sig	chr2_170814025
chr13	1.12E+08	111970403	+	3.652E-12	3.4975E-11	-0.20463	hypo	sig	chr13_111970403
chr2	1.71E+08	170822883	+	3.654E-12	3.4992E-11	0.315445	hyper	sig	chr2_170822883
chr19	47275460	47275460	+	3.657E-12	3.502E-11	0.241408	hyper	sig	chr19_47275460
chr18	78517463	78517463	+	3.662E-12	3.507E-11	-0.20351	hypo	sig	chr18_78517463
chr7	32070452	32070452	+	3.663E-12	3.5073E-11	0.228397	hyper	sig	chr7_32070452
chr1	2.25E+08	224616660	+	3.666E-12	3.511E-11	0.233491	hyper	sig	chr1_224616660
chr1	3359947	3359947	+	3.667E-12	3.5114E-11	-0.21217	hypo	sig	chr1_3359947
chr17	74988793	74988793	+	3.672E-12	3.5158E-11	0.311639	hyper	sig	chr17_74988793
chr3	1.58E+08	157542986	+	3.672E-12	3.5162E-11	0.223126	hyper	sig	chr3_157542986
chr18	8800250	8800250	+	3.675E-12	3.5187E-11	0.205302	hyper	sig	chr18_8800250
chr6	1.06E+08	105981657	+	3.677E-12	3.5208E-11	0.25023	hyper	sig	chr6_105981657
chr9	1.34E+08	133971073	+	3.678E-12	3.5215E-11	0.269995	hyper	sig	chr9_133971073

chr20	279284	279284	+	3.678E-12	3.5219E-11	0.271843	hyper	sig	chr20_279284
chr5	1.41E+08	141431269	+	3.678E-12	3.5219E-11	0.215203	hyper	sig	chr5_141431269
chr16	268788	268788	+	3.679E-12	3.5222E-11	-0.25066	hypo	sig	chr16_268788
chr10	1.33E+08	133045299	+	3.679E-12	3.5222E-11	-0.27058	hypo	sig	chr10_133045299
chr1	24927576	24927576	+	3.679E-12	3.5227E-11	0.263849	hyper	sig	chr1_24927576
chr2	11618576	11618576	+	3.681E-12	3.5237E-11	-0.21704	hypo	sig	chr2_11618576
chr16	88976714	88976714	+	3.681E-12	3.5238E-11	-0.25677	hypo	sig	chr16_88976714
chr7	1.57E+08	156949181	+	3.681E-12	3.5243E-11	0.221781	hyper	sig	chr7_156949181
chr7	1.28E+08	128134934	+	3.683E-12	3.5259E-11	0.263033	hyper	sig	chr7_128134934
chr8	56320679	56320679	+	3.684E-12	3.5266E-11	-0.25554	hypo	sig	chr8_56320679
chr7	1395529	1395529	+	3.684E-12	3.527E-11	0.243761	hyper	sig	chr7_1395529
chr20	21701430	21701430	+	3.685E-12	3.5278E-11	0.31725	hyper	sig	chr20_21701430
chr4	5897152	5897152	+	3.685E-12	3.5279E-11	-0.32292	hypo	sig	chr4_5897152
chr1	1445225	1445225	+	3.686E-12	3.5283E-11	-0.2135	hypo	sig	chr1_1445225
chr16	89608138	89608138	+	3.688E-12	3.5306E-11	-0.23863	hypo	sig	chr16_89608138
chr2	27715245	27715245	+	3.689E-12	3.5311E-11	0.208332	hyper	sig	chr2_27715245
chr8	27659133	27659133	+	3.692E-12	3.5335E-11	-0.2025	hypo	sig	chr8_27659133
chr8	1.3E+08	130357367	+	3.694E-12	3.5358E-11	0.230169	hyper	sig	chr8_130357367
chr5	1.35E+08	135027767	+	3.696E-12	3.5372E-11	0.271317	hyper	sig	chr5_135027767
chr7	1.3E+08	130493247	+	3.696E-12	3.5376E-11	0.235567	hyper	sig	chr7_130493247
chr19	42005931	42005931	+	3.697E-12	3.5382E-11	-0.25906	hypo	sig	chr19_42005931
chr1	1.52E+08	151717505	+	3.699E-12	3.5401E-11	0.241295	hyper	sig	chr1_151717505
chr16	29184549	29184549	+	3.702E-12	3.5434E-11	-0.20331	hypo	sig	chr16_29184549
chr16	86733222	86733222	+	3.703E-12	3.5437E-11	0.26401	hyper	sig	chr16_86733222
chr17	4560729	4560729	+	3.705E-12	3.5453E-11	-0.21691	hypo	sig	chr17_4560729
chr2	642509	642509	+	3.707E-12	3.5473E-11	-0.24735	hypo	sig	chr2_642509
chr10	663922	663922	+	3.707E-12	3.5478E-11	0.225332	hyper	sig	chr10_663922
chr12	24951831	24951831	+	3.709E-12	3.5491E-11	-0.24226	hypo	sig	chr12_24951831
chr22	26753418	26753418	+	3.71E-12	3.5503E-11	-0.20184	hypo	sig	chr22_26753418
chr1	2.43E+08	242890632	+	3.711E-12	3.5514E-11	0.23163	hyper	sig	chr1_242890632
chr8	1.44E+08	143937715	+	3.712E-12	3.552E-11	-0.2264	hypo	sig	chr8_143937715
chr11	65782963	65782963	+	3.713E-12	3.553E-11	-0.2414	hypo	sig	chr11_65782963
chr2	31581319	31581319	+	3.714E-12	3.5535E-11	0.290022	hyper	sig	chr2_31581319
chr10	70673414	70673414	+	3.714E-12	3.5536E-11	0.226057	hyper	sig	chr10_70673414
chr18	11752144	11752144	+	3.715E-12	3.5543E-11	0.248288	hyper	sig	chr18_11752144
chr7	99598320	99598320	+	3.715E-12	3.5551E-11	0.302134	hyper	sig	chr7_99598320
chr12	1.04E+08	104303446	+	3.717E-12	3.556E-11	0.224717	hyper	sig	chr12_104303446
chr22	50089790	50089790	+	3.718E-12	3.5576E-11	0.259115	hyper	sig	chr22_50089790
chr20	25081068	25081068	+	3.721E-12	3.56E-11	0.352758	hyper	sig	chr20_25081068
chr7	1331445	1331445	+	3.721E-12	3.5601E-11	-0.20141	hypo	sig	chr7_1331445
chr12	53324306	53324306	+	3.727E-12	3.5657E-11	0.210309	hyper	sig	chr12_53324306
chr13	99997531	99997531	+	3.728E-12	3.5669E-11	0.276954	hyper	sig	chr13_99997531
chr19	2332563	2332563	+	3.729E-12	3.5671E-11	-0.2216	hypo	sig	chr19_2332563
chr12	49342028	49342028	+	3.73E-12	3.568E-11	0.297498	hyper	sig	chr12_49342028
chr16	88101188	88101188	+	3.733E-12	3.5708E-11	0.27707	hyper	sig	chr16_88101188
chr19	53908388	53908388	+	3.744E-12	3.5813E-11	0.240324	hyper	sig	chr19_53908388
chr19	48745931	48745931	+	3.746E-12	3.5829E-11	0.262834	hyper	sig	chr19_48745931
chr16	88375674	88375674	+	3.748E-12	3.5848E-11	-0.21653	hypo	sig	chr16_88375674
chr16	86504474	86504474	+	3.754E-12	3.5908E-11	0.225083	hyper	sig	chr16_86504474
chr4	5709634	5709634	+	3.754E-12	3.5912E-11	-0.21046	hypo	sig	chr4_5709634
chr10	37701433	37701433	+	3.755E-12	3.5917E-11	-0.22086	hypo	sig	chr10_37701433
chr19	18229991	18229991	+	3.758E-12	3.594E-11	-0.2309	hypo	sig	chr19_18229991
chr18	77252043	77252043	+	3.759E-12	3.5951E-11	0.243898	hyper	sig	chr18_77252043
chr15	89377723	89377723	+	3.759E-12	3.5953E-11	0.22286	hyper	sig	chr15_89377723
chr16	86459337	86459337	+	3.76E-12	3.5958E-11	0.253957	hyper	sig	chr16_86459337
chr17	42785323	42785323	+	3.761E-12	3.5971E-11	0.244962	hyper	sig	chr17_42785323

chr18	26133858	26133858	+	3.765E-12	3.6006E-11	0.223917	hyper	sig	chr18_26133858
chr2	2.01E+08	200586267	+	3.769E-12	3.6041E-11	0.23081	hyper	sig	chr2_200586267
chr20	63182063	63182063	+	3.771E-12	3.6066E-11	-0.25485	hypo	sig	chr20_63182063
chr8	43271953	43271953	+	3.772E-12	3.6067E-11	-0.23543	hypo	sig	chr8_43271953
chr1	2.28E+08	228442458	+	3.772E-12	3.6067E-11	-0.25719	hypo	sig	chr1_228442458
chr13	1.11E+08	111283084	+	3.772E-12	3.6073E-11	0.203238	hyper	sig	chr13_111283084
chr6	1.46E+08	146434490	+	3.773E-12	3.6076E-11	0.28965	hyper	sig	chr6_146434490
chr19	45217637	45217637	+	3.774E-12	3.6087E-11	0.209602	hyper	sig	chr19_45217637
chr4	80190288	80190288	+	3.774E-12	3.6092E-11	0.237154	hyper	sig	chr4_80190288
chr11	70718309	70718309	+	3.775E-12	3.6093E-11	0.216644	hyper	sig	chr11_70718309
chr19	40611309	40611309	+	3.781E-12	3.6152E-11	-0.2263	hypo	sig	chr19_40611309
chr17	79990254	79990254	+	3.781E-12	3.6155E-11	-0.21433	hypo	sig	chr17_79990254
chr16	88927834	88927834	+	3.781E-12	3.6157E-11	-0.20265	hypo	sig	chr16_88927834
chr1	1.97E+08	196878068	+	3.783E-12	3.6167E-11	0.208682	hyper	sig	chr1_196878068
chr6	1.52E+08	151809153	+	3.783E-12	3.6171E-11	0.207137	hyper	sig	chr6_151809153
chr10	1.18E+08	117556273	+	3.784E-12	3.6177E-11	-0.24888	hypo	sig	chr10_117556273
chr11	73651841	73651841	+	3.784E-12	3.6177E-11	-0.228	hypo	sig	chr11_73651841
chr2	70889627	70889627	+	3.785E-12	3.6185E-11	0.227252	hyper	sig	chr2_70889627
chr2	58428879	58428879	+	3.785E-12	3.6189E-11	0.263948	hyper	sig	chr2_58428879
chr10	607653	607653	+	3.785E-12	3.6189E-11	0.225992	hyper	sig	chr10_607653
chr7	1.22E+08	122315936	+	3.786E-12	3.62E-11	0.270281	hyper	sig	chr7_122315936
chr17	41583415	41583415	+	3.787E-12	3.6209E-11	-0.21241	hypo	sig	chr17_41583415
chr7	1922630	1922630	+	3.789E-12	3.6221E-11	-0.22957	hypo	sig	chr7_1922630
chr4	1578087	1578087	+	3.789E-12	3.6223E-11	0.248709	hyper	sig	chr4_1578087
chr11	1126941	1126941	+	3.791E-12	3.6239E-11	-0.23327	hypo	sig	chr11_1126941
chr14	36659614	36659614	+	3.794E-12	3.6269E-11	0.225945	hyper	sig	chr14_36659614
chr4	9762562	9762562	+	3.796E-12	3.6282E-11	-0.26221	hypo	sig	chr4_9762562
chr12	54047463	54047463	+	3.797E-12	3.6298E-11	0.251847	hyper	sig	chr12_54047463
chr17	44558410	44558410	+	3.798E-12	3.63E-11	0.236798	hyper	sig	chr17_44558410
chr6	33189445	33189445	+	3.798E-12	3.6302E-11	-0.2827	hypo	sig	chr6_33189445
chr8	2145383	2145383	+	3.799E-12	3.6308E-11	-0.32444	hypo	sig	chr8_2145383
chr17	79793658	79793658	+	3.802E-12	3.6343E-11	0.27948	hyper	sig	chr17_79793658
chr13	44403916	44403916	+	3.804E-12	3.6355E-11	-0.2125	hypo	sig	chr13_44403916
chr1	6638391	6638391	+	3.807E-12	3.6387E-11	0.274715	hyper	sig	chr1_6638391
chr17	57874767	57874767	+	3.81E-12	3.6411E-11	0.225768	hyper	sig	chr17_57874767
chr10	1.3E+08	129525988	+	3.811E-12	3.6421E-11	0.241572	hyper	sig	chr10_129525988
chr13	1.12E+08	111665458	+	3.811E-12	3.6421E-11	0.230658	hyper	sig	chr13_111665458
chr16	67959745	67959745	+	3.811E-12	3.6426E-11	0.245472	hyper	sig	chr16_67959745
chr1	12167654	12167654	+	3.814E-12	3.6445E-11	-0.23877	hypo	sig	chr1_12167654
chr2	2689045	2689045	+	3.818E-12	3.6481E-11	-0.21756	hypo	sig	chr2_2689045
chr8	48581644	48581644	+	3.819E-12	3.649E-11	0.276646	hyper	sig	chr8_48581644
chr2	53860314	53860314	+	3.822E-12	3.6522E-11	0.271521	hyper	sig	chr2_53860314
chr1	2.03E+08	203277354	+	3.823E-12	3.6533E-11	0.21285	hyper	sig	chr1_203277354
chr5	33297947	33297947	+	3.826E-12	3.6553E-11	-0.2097	hypo	sig	chr5_33297947
chr3	1.25E+08	125141856	+	3.828E-12	3.6578E-11	0.288042	hyper	sig	chr3_125141856
chr5	421510	421510	+	3.83E-12	3.6593E-11	-0.24309	hypo	sig	chr5_421510
chr8	54455015	54455015	+	3.831E-12	3.6599E-11	0.244658	hyper	sig	chr8_54455015
chr2	1.72E+08	172108046	+	3.831E-12	3.6604E-11	0.251841	hyper	sig	chr2_172108046
chr2	2.38E+08	237958637	+	3.833E-12	3.6619E-11	-0.20919	hypo	sig	chr2_237958637
chr1	2.1E+08	210252455	+	3.838E-12	3.6664E-11	-0.23295	hypo	sig	chr1_210252455
chr21	33034295	33034295	+	3.844E-12	3.6727E-11	0.211715	hyper	sig	chr21_33034295
chr7	1.43E+08	142864283	+	3.844E-12	3.6727E-11	-0.3281	hypo	sig	chr7_142864283
chr5	1.77E+08	177368762	+	3.847E-12	3.6749E-11	-0.20471	hypo	sig	chr5_177368762
chr5	1.39E+08	139393621	+	3.848E-12	3.6762E-11	0.272562	hyper	sig	chr5_139393621
chr11	1.12E+08	112499778	+	3.848E-12	3.6765E-11	-0.26397	hypo	sig	chr11_112499778
chr6	1.55E+08	155129748	+	3.849E-12	3.6772E-11	-0.21911	hypo	sig	chr6_155129748

chr11	1.23E+08	123137760	+	3.849E-12	3.6774E-11	0.21828	hyper	sig	chr11_123137760
chr16	1088405	1088405	+	3.851E-12	3.6792E-11	-0.20927	hypo	sig	chr16_1088405
chr6	37616540	37616540	+	3.854E-12	3.682E-11	-0.24481	hypo	sig	chr6_37616540
chr16	30650248	30650248	+	3.856E-12	3.6834E-11	0.221956	hyper	sig	chr16_30650248
chr1	38045921	38045921	+	3.858E-12	3.6849E-11	0.20013	hyper	sig	chr1_38045921
chr20	63454545	63454545	+	3.859E-12	3.686E-11	0.240365	hyper	sig	chr20_63454545
chr22	17121832	17121832	+	3.859E-12	3.686E-11	0.235356	hyper	sig	chr22_17121832
chr10	45224469	45224469	+	3.862E-12	3.6889E-11	-0.23723	hypo	sig	chr10_45224469
chr17	78459262	78459262	+	3.862E-12	3.6892E-11	-0.30313	hypo	sig	chr17_78459262
chr4	1.3E+08	130037690	+	3.865E-12	3.6915E-11	-0.24153	hypo	sig	chr4_130037690
chr5	1927091	1927091	+	3.865E-12	3.6915E-11	-0.24613	hypo	sig	chr5_1927091
chr13	20431290	20431290	+	3.865E-12	3.6919E-11	-0.20677	hypo	sig	chr13_20431290
chr2	2.19E+08	219015440	+	3.866E-12	3.6924E-11	-0.24948	hypo	sig	chr2_219015440
chr19	19261056	19261056	+	3.866E-12	3.6927E-11	0.263059	hyper	sig	chr19_19261056
chr9	1.37E+08	136885302	+	3.868E-12	3.6938E-11	-0.20403	hypo	sig	chr9_136885302
chr16	46428944	46428944	+	3.868E-12	3.6944E-11	0.234575	hyper	sig	chr16_46428944
chr4	6301295	6301295	+	3.868E-12	3.6944E-11	-0.23627	hypo	sig	chr4_6301295
chr1	11653059	11653059	+	3.87E-12	3.6959E-11	-0.24479	hypo	sig	chr1_11653059
chr11	92226033	92226033	+	3.874E-12	3.6997E-11	0.214168	hyper	sig	chr11_92226033
chr7	5349586	5349586	+	3.875E-12	3.7001E-11	0.277709	hyper	sig	chr7_5349586
chr1	3240881	3240881	+	3.878E-12	3.703E-11	0.258426	hyper	sig	chr1_3240881
chr5	1.42E+08	141853951	+	3.879E-12	3.7042E-11	0.256227	hyper	sig	chr5_141853951
chr19	55452716	55452716	+	3.883E-12	3.7073E-11	0.324786	hyper	sig	chr19_55452716
chr17	59565379	59565379	+	3.886E-12	3.7103E-11	0.235269	hyper	sig	chr17_59565379
chr18	37567540	37567540	+	3.888E-12	3.712E-11	0.223716	hyper	sig	chr18_37567540
chr1	1.55E+08	154708189	+	3.888E-12	3.7125E-11	-0.2004	hypo	sig	chr1_154708189
chr16	53373810	53373810	+	3.89E-12	3.7144E-11	-0.27206	hypo	sig	chr16_53373810
chr22	50041682	50041682	+	3.89E-12	3.7144E-11	-0.29838	hypo	sig	chr22_50041682
chr4	1.6E+08	160482009	+	3.891E-12	3.7151E-11	-0.26219	hypo	sig	chr4_160482009
chr19	22529224	22529224	+	3.893E-12	3.717E-11	-0.22282	hypo	sig	chr19_22529224
chr12	38162007	38162007	+	3.895E-12	3.7184E-11	-0.21991	hypo	sig	chr12_38162007
chr12	16347251	16347251	+	3.897E-12	3.72E-11	-0.231	hypo	sig	chr12_16347251
chr6	1.46E+08	146029317	+	3.898E-12	3.7214E-11	0.261547	hyper	sig	chr6_146029317
chr2	1.76E+08	176083144	+	3.899E-12	3.7222E-11	0.311622	hyper	sig	chr2_176083144
chr10	26438248	26438248	+	3.899E-12	3.7224E-11	0.204553	hyper	sig	chr10_26438248
chr22	16601158	16601158	+	3.901E-12	3.7245E-11	0.215006	hyper	sig	chr22_16601158
chr2	88451845	88451845	+	3.902E-12	3.7246E-11	0.259435	hyper	sig	chr2_88451845
chr10	1.33E+08	132544526	+	3.904E-12	3.7265E-11	0.229219	hyper	sig	chr10_132544526
chr8	18666410	18666410	+	3.906E-12	3.7288E-11	-0.28297	hypo	sig	chr8_18666410
chr7	6524221	6524221	+	3.908E-12	3.7302E-11	-0.21071	hypo	sig	chr7_6524221
chr11	1.25E+08	125494884	+	3.909E-12	3.7311E-11	0.245897	hyper	sig	chr11_125494884
chr7	63567995	63567995	+	3.909E-12	3.7311E-11	-0.2798	hypo	sig	chr7_63567995
chr6	1.14E+08	113860387	+	3.91E-12	3.7326E-11	0.300745	hyper	sig	chr6_113860387
chr16	85982736	85982736	+	3.912E-12	3.7337E-11	-0.21488	hypo	sig	chr16_85982736
chr10	52771809	52771809	+	3.913E-12	3.7351E-11	-0.23204	hypo	sig	chr10_52771809
chr1	29119015	29119015	+	3.913E-12	3.7351E-11	0.273536	hyper	sig	chr1_29119015
chr11	1.09E+08	109423428	+	3.916E-12	3.7377E-11	0.210253	hyper	sig	chr11_109423428
chr10	22335111	22335111	+	3.917E-12	3.7387E-11	0.219985	hyper	sig	chr10_22335111
chr19	1908232	1908232	+	3.917E-12	3.7387E-11	-0.23917	hypo	sig	chr19_1908232
chr2	2.24E+08	224433783	+	3.918E-12	3.7392E-11	0.219493	hyper	sig	chr2_224433783
chr1	18632456	18632456	+	3.921E-12	3.7422E-11	0.285071	hyper	sig	chr1_18632456
chr1	58250623	58250623	+	3.923E-12	3.7437E-11	0.206883	hyper	sig	chr1_58250623
chr1	2.07E+08	207496303	+	3.928E-12	3.7492E-11	0.214937	hyper	sig	chr1_207496303
chr16	4263708	4263708	+	3.929E-12	3.7493E-11	0.286046	hyper	sig	chr16_4263708
chr19	3187882	3187882	+	3.93E-12	3.7504E-11	-0.20122	hypo	sig	chr19_3187882
chr6	28817011	28817011	+	3.931E-12	3.7513E-11	0.248586	hyper	sig	chr6_28817011

chr13	1.1E+08	109772150	+	3.932E-12	3.7524E-11	0.237395	hyper	sig	chr13_109772150
chr12	1.2E+08	120397812	+	3.936E-12	3.756E-11	0.245666	hyper	sig	chr12_120397812
chr6	1.38E+08	138162519	+	3.936E-12	3.756E-11	-0.20246	hypo	sig	chr6_138162519
chr11	69819880	69819880	+	3.937E-12	3.7568E-11	0.248014	hyper	sig	chr11_69819880
chr2	63048503	63048503	+	3.938E-12	3.7575E-11	0.271123	hyper	sig	chr2_63048503
chr12	48004938	48004938	+	3.94E-12	3.7591E-11	0.288991	hyper	sig	chr12_48004938
chr7	1.5E+08	150322388	+	3.94E-12	3.7594E-11	-0.24189	hypo	sig	chr7_150322388
chr12	53999613	53999613	+	3.941E-12	3.76E-11	0.20988	hyper	sig	chr12_53999613
chr3	1.47E+08	147412010	+	3.945E-12	3.7639E-11	0.273503	hyper	sig	chr3_147412010
chr11	85934931	85934931	+	3.946E-12	3.7653E-11	0.241748	hyper	sig	chr11_85934931
chr17	81461167	81461167	+	3.947E-12	3.7657E-11	-0.30607	hypo	sig	chr17_81461167
chr22	37564353	37564353	+	3.948E-12	3.7664E-11	0.254605	hyper	sig	chr22_37564353
chr12	54029744	54029744	+	3.948E-12	3.7666E-11	0.202948	hyper	sig	chr12_54029744
chr5	1.41E+08	141403613	+	3.948E-12	3.7666E-11	0.220568	hyper	sig	chr5_141403613
chr19	54277202	54277202	+	3.949E-12	3.7675E-11	-0.27062	hypo	sig	chr19_54277202
chr14	1.06E+08	105681154	+	3.954E-12	3.7722E-11	-0.28432	hypo	sig	chr14_105681154
chr16	88842026	88842026	+	3.956E-12	3.7738E-11	-0.29411	hypo	sig	chr16_88842026
chr11	1.25E+08	125288066	+	3.958E-12	3.7763E-11	0.215815	hyper	sig	chr11_125288066
chr19	883879	883879	+	3.958E-12	3.7763E-11	-0.22126	hypo	sig	chr19_883879
chr2	70962266	70962266	+	3.96E-12	3.7775E-11	-0.30207	hypo	sig	chr2_70962266
chr3	23811363	23811363	+	3.961E-12	3.7782E-11	-0.20612	hypo	sig	chr3_23811363
chr19	57709259	57709259	+	3.961E-12	3.7783E-11	0.206791	hyper	sig	chr19_57709259
chr3	1.47E+08	147398351	+	3.961E-12	3.7784E-11	0.312107	hyper	sig	chr3_147398351
chr17	5500060	5500060	+	3.962E-12	3.7796E-11	0.288642	hyper	sig	chr17_5500060
chr19	50640877	50640877	+	3.964E-12	3.7811E-11	-0.24378	hypo	sig	chr19_50640877
chr2	2.18E+08	218368840	+	3.967E-12	3.7839E-11	0.271745	hyper	sig	chr2_218368840
chr20	419688	419688	+	3.968E-12	3.7845E-11	-0.31968	hypo	sig	chr20_419688
chr6	1.05E+08	104940349	+	3.968E-12	3.7851E-11	0.210389	hyper	sig	chr6_104940349
chr5	88673026	88673026	+	3.969E-12	3.7856E-11	0.208498	hyper	sig	chr5_88673026
chr8	1.44E+08	143974271	+	3.969E-12	3.7857E-11	0.277337	hyper	sig	chr8_143974271
chr2	44932288	44932288	+	3.971E-12	3.7875E-11	0.274795	hyper	sig	chr2_44932288
chr3	1.14E+08	114239056	+	3.972E-12	3.7881E-11	-0.23374	hypo	sig	chr3_114239056
chr2	74436534	74436534	+	3.974E-12	3.7899E-11	0.226555	hyper	sig	chr2_74436534
chr8	48581510	48581510	+	3.974E-12	3.7905E-11	0.407324	hyper	sig	chr8_48581510
chr17	83073358	83073358	+	3.977E-12	3.7932E-11	-0.26289	hypo	sig	chr17_83073358
chr2	1.05E+08	104842733	+	3.979E-12	3.7947E-11	0.324518	hyper	sig	chr2_104842733
chr1	88466979	88466979	+	3.98E-12	3.7952E-11	-0.27279	hypo	sig	chr1_88466979
chr1	1.81E+08	181486124	+	3.98E-12	3.7956E-11	0.24694	hyper	sig	chr1_181486124
chr8	1.41E+08	140567490	+	3.98E-12	3.7958E-11	-0.24466	hypo	sig	chr8_140567490
chr2	38960666	38960666	+	3.981E-12	3.7965E-11	0.327882	hyper	sig	chr2_38960666
chr7	36192028	36192028	+	3.987E-12	3.8016E-11	0.200126	hyper	sig	chr7_36192028
chr1	1357347	1357347	+	3.989E-12	3.8034E-11	0.277685	hyper	sig	chr1_1357347
chr1	2.02E+08	202161188	+	3.991E-12	3.8056E-11	-0.29365	hypo	sig	chr1_202161188
chr11	1564698	1564698	+	3.993E-12	3.807E-11	0.240497	hyper	sig	chr11_1564698
chr16	66604307	66604307	+	3.996E-12	3.8096E-11	0.243334	hyper	sig	chr16_66604307
chr13	1.13E+08	113413693	+	3.997E-12	3.8112E-11	0.23723	hyper	sig	chr13_113413693
chr22	16602923	16602923	+	3.998E-12	3.8123E-11	0.245397	hyper	sig	chr22_16602923
chr10	1.33E+08	133205407	+	4E-12	3.8138E-11	-0.21322	hypo	sig	chr10_133205407
chr22	16601156	16601156	+	4.002E-12	3.8161E-11	0.209461	hyper	sig	chr22_16601156
chr2	2.4E+08	240326536	+	4.003E-12	3.8163E-11	-0.23969	hypo	sig	chr2_240326536
chr17	77286038	77286038	+	4.004E-12	3.8172E-11	-0.23463	hypo	sig	chr17_77286038
chr7	34321348	34321348	+	4.01E-12	3.8231E-11	0.214538	hyper	sig	chr7_34321348
chr5	5140827	5140827	+	4.014E-12	3.8266E-11	0.228261	hyper	sig	chr5_5140827
chr17	79922785	79922785	+	4.014E-12	3.8271E-11	-0.2089	hypo	sig	chr17_79922785
chr17	81158139	81158139	+	4.015E-12	3.8278E-11	-0.24392	hypo	sig	chr17_81158139
chr3	10328963	10328963	+	4.02E-12	3.8324E-11	0.218372	hyper	sig	chr3_10328963

chr17	40191658	40191658	+	4.021E-12	3.8331E-11	0.290025	hyper	sig	chr17_40191658
chr16	30650204	30650204	+	4.022E-12	3.8336E-11	0.260718	hyper	sig	chr16_30650204
chr11	2869508	2869508	+	4.024E-12	3.8354E-11	0.238889	hyper	sig	chr11_2869508
chr7	44327697	44327697	+	4.025E-12	3.8366E-11	-0.21314	hypo	sig	chr7_44327697
chr9	93826335	93826335	+	4.026E-12	3.8377E-11	0.225761	hyper	sig	chr9_93826335
chr15	74127147	74127147	+	4.026E-12	3.8379E-11	0.28523	hyper	sig	chr15_74127147
chr20	9515846	9515846	+	4.027E-12	3.8381E-11	0.285855	hyper	sig	chr20_9515846
chr17	897139	897139	+	4.027E-12	3.8383E-11	0.23063	hyper	sig	chr17_897139
chr1	23371163	23371163	+	4.029E-12	3.8403E-11	0.276101	hyper	sig	chr1_23371163
chr12	53975502	53975502	+	4.03E-12	3.8407E-11	0.227253	hyper	sig	chr12_53975502
chr7	48090267	48090267	+	4.035E-12	3.8456E-11	0.210648	hyper	sig	chr7_48090267
chr19	30225573	30225573	+	4.035E-12	3.8461E-11	0.214171	hyper	sig	chr19_30225573
chr5	25190332	25190332	+	4.037E-12	3.8473E-11	-0.2475	hypo	sig	chr5_25190332
chr2	48617573	48617573	+	4.046E-12	3.8559E-11	-0.2672	hypo	sig	chr2_48617573
chr4	8246783	8246783	+	4.048E-12	3.8576E-11	-0.2607	hypo	sig	chr4_8246783
chr2	1.19E+08	118845909	+	4.048E-12	3.8579E-11	0.205878	hyper	sig	chr2_118845909
chr1	50846475	50846475	+	4.049E-12	3.8586E-11	-0.20511	hypo	sig	chr1_50846475
chr19	18225576	18225576	+	4.051E-12	3.8602E-11	0.321583	hyper	sig	chr19_18225576
chr2	98346431	98346431	+	4.052E-12	3.8618E-11	0.286329	hyper	sig	chr2_98346431
chr17	185615	185615	+	4.055E-12	3.8638E-11	-0.25097	hypo	sig	chr17_185615
chr6	1.58E+08	157763451	+	4.055E-12	3.864E-11	-0.23114	hypo	sig	chr6_157763451
chr19	48330341	48330341	+	4.059E-12	3.8677E-11	-0.21729	hypo	sig	chr19_48330341
chr4	3484341	3484341	+	4.059E-12	3.868E-11	-0.2482	hypo	sig	chr4_3484341
chr13	1.1E+08	110183384	+	4.06E-12	3.8687E-11	-0.21267	hypo	sig	chr13_110183384
chr5	1.41E+08	141341253	+	4.065E-12	3.873E-11	0.218677	hyper	sig	chr5_141341253
chr4	84482736	84482736	+	4.066E-12	3.8743E-11	0.206188	hyper	sig	chr4_84482736
chr5	1089638	1089638	+	4.066E-12	3.8747E-11	0.23381	hyper	sig	chr5_1089638
chr4	1.09E+08	108763439	+	4.068E-12	3.8757E-11	0.201166	hyper	sig	chr4_108763439
chr7	1.58E+08	157775544	+	4.068E-12	3.8763E-11	-0.20921	hypo	sig	chr7_157775544
chr14	1.01E+08	100729017	+	4.069E-12	3.8772E-11	-0.28253	hypo	sig	chr14_100729017
chr6	1.46E+08	146029424	+	4.071E-12	3.8786E-11	0.252313	hyper	sig	chr6_146029424
chr2	1.05E+08	104842730	+	4.071E-12	3.8791E-11	0.320694	hyper	sig	chr2_104842730
chr7	1.58E+08	157503465	+	4.074E-12	3.8816E-11	-0.23153	hypo	sig	chr7_157503465
chr14	56810487	56810487	+	4.075E-12	3.8824E-11	0.205612	hyper	sig	chr14_56810487
chr5	19988483	19988483	+	4.075E-12	3.8825E-11	0.248293	hyper	sig	chr5_19988483
chr11	72241161	72241161	+	4.077E-12	3.8844E-11	0.273649	hyper	sig	chr11_72241161
chr8	64576126	64576126	+	4.077E-12	3.8844E-11	0.288612	hyper	sig	chr8_64576126
chr6	39927678	39927678	+	4.079E-12	3.8856E-11	-0.23816	hypo	sig	chr6_39927678
chr9	69174737	69174737	+	4.081E-12	3.8874E-11	0.221084	hyper	sig	chr9_69174737
chr19	2291577	2291577	+	4.083E-12	3.8898E-11	0.216114	hyper	sig	chr19_2291577
chr3	1.14E+08	113623570	+	4.085E-12	3.8916E-11	0.297593	hyper	sig	chr3_113623570
chr11	2851628	2851628	+	4.093E-12	3.8986E-11	-0.20151	hypo	sig	chr11_2851628
chr1	3595443	3595443	+	4.098E-12	3.9038E-11	-0.24639	hypo	sig	chr1_3595443
chr1	26821094	26821094	+	4.098E-12	3.9038E-11	-0.21056	hypo	sig	chr1_26821094
chr16	3305213	3305213	+	4.099E-12	3.9047E-11	0.252028	hyper	sig	chr16_3305213
chr10	1.33E+08	132627639	+	4.1E-12	3.905E-11	0.247631	hyper	sig	chr10_132627639
chr17	31490145	31490145	+	4.1E-12	3.9054E-11	-0.21747	hypo	sig	chr17_31490145
chr5	73627048	73627048	+	4.1E-12	3.9054E-11	-0.22674	hypo	sig	chr5_73627048
chr5	1093661	1093661	+	4.1E-12	3.9057E-11	-0.22185	hypo	sig	chr5_1093661
chr13	1.12E+08	112107303	+	4.101E-12	3.906E-11	0.229	hyper	sig	chr13_112107303
chr9	1.32E+08	131657801	+	4.101E-12	3.9065E-11	0.209424	hyper	sig	chr9_131657801
chr19	6670174	6670174	+	4.102E-12	3.9068E-11	-0.20577	hypo	sig	chr19_6670174
chr14	36516652	36516652	+	4.102E-12	3.9069E-11	0.222745	hyper	sig	chr14_36516652
chr7	1.59E+08	159027766	+	4.102E-12	3.9072E-11	-0.25346	hypo	sig	chr7_159027766
chr5	1.55E+08	154691726	+	4.103E-12	3.9075E-11	0.250741	hyper	sig	chr5_154691726
chr17	45844960	45844960	+	4.104E-12	3.9085E-11	-0.30331	hypo	sig	chr17_45844960

chr2	1.71E+08	170821707	+	4.104E-12	3.9087E-11	0.314679	hyper	sig	chr2_170821707
chr7	57651765	57651765	+	4.106E-12	3.9107E-11	-0.23723	hypo	sig	chr7_57651765
chr19	55684099	55684099	+	4.107E-12	3.9114E-11	-0.23056	hypo	sig	chr19_55684099
chr14	80955645	80955645	+	4.109E-12	3.9126E-11	0.227952	hyper	sig	chr14_80955645
chr16	8958973	8958973	+	4.109E-12	3.9127E-11	-0.2414	hypo	sig	chr16_8958973
chr13	1.12E+08	112074058	+	4.109E-12	3.913E-11	0.216003	hyper	sig	chr13_112074058
chr10	1.01E+08	100659556	+	4.109E-12	3.9132E-11	0.242713	hyper	sig	chr10_100659556
chr12	1.31E+08	131347411	+	4.115E-12	3.9185E-11	-0.24069	hypo	sig	chr12_131347411
chr4	1.53E+08	153448125	+	4.116E-12	3.9192E-11	0.232995	hyper	sig	chr4_153448125
chr1	1.19E+08	118983794	+	4.12E-12	3.9232E-11	0.277889	hyper	sig	chr1_118983794
chr10	1.34E+08	133574498	+	4.122E-12	3.9243E-11	-0.27962	hypo	sig	chr10_133574498
chr22	45890065	45890065	+	4.124E-12	3.9262E-11	0.258558	hyper	sig	chr22_45890065
chr15	89411907	89411907	+	4.124E-12	3.9266E-11	0.22508	hyper	sig	chr15_89411907
chr11	79439060	79439060	+	4.124E-12	3.9266E-11	0.240095	hyper	sig	chr11_79439060
chr5	1.8E+08	179801844	+	4.127E-12	3.9295E-11	0.229961	hyper	sig	chr5_179801844
chr9	97222640	97222640	+	4.129E-12	3.9314E-11	0.228992	hyper	sig	chr9_97222640
chr8	1.42E+08	141945239	+	4.129E-12	3.9315E-11	-0.24601	hypo	sig	chr8_141945239
chr2	31580790	31580790	+	4.13E-12	3.9321E-11	0.258	hyper	sig	chr2_31580790
chr1	1.14E+08	114154716	+	4.131E-12	3.933E-11	0.200577	hyper	sig	chr1_114154716
chr17	78353685	78353685	+	4.132E-12	3.9334E-11	0.305265	hyper	sig	chr17_78353685
chr2	949755	949755	+	4.132E-12	3.9339E-11	0.22035	hyper	sig	chr2_949755
chr12	1.28E+08	128267750	+	4.134E-12	3.9361E-11	0.251207	hyper	sig	chr12_128267750
chr19	19258469	19258469	+	4.134E-12	3.9361E-11	-0.29338	hypo	sig	chr19_19258469
chr17	49964715	49964715	+	4.139E-12	3.9403E-11	0.295047	hyper	sig	chr17_49964715
chr16	1176174	1176174	+	4.141E-12	3.9423E-11	-0.21053	hypo	sig	chr16_1176174
chr6	1.66E+08	165805359	+	4.142E-12	3.9425E-11	0.370273	hyper	sig	chr6_165805359
chr1	44617452	44617452	+	4.143E-12	3.9437E-11	0.210893	hyper	sig	chr1_44617452
chr14	1.01E+08	101461649	+	4.148E-12	3.9481E-11	-0.28658	hypo	sig	chr14_101461649
chr17	52159094	52159094	+	4.152E-12	3.9522E-11	0.219378	hyper	sig	chr17_52159094
chr14	1.04E+08	103718871	+	4.152E-12	3.9522E-11	0.275024	hyper	sig	chr14_103718871
chr7	35255277	35255277	+	4.152E-12	3.9522E-11	0.235065	hyper	sig	chr7_35255277
chr12	8394090	8394090	+	4.153E-12	3.9526E-11	-0.31686	hypo	sig	chr12_8394090
chr13	35471025	35471025	+	4.153E-12	3.9527E-11	0.278056	hyper	sig	chr13_35471025
chr6	27680906	27680906	+	4.154E-12	3.9535E-11	0.285765	hyper	sig	chr6_27680906
chr21	43940911	43940911	+	4.154E-12	3.9536E-11	0.225382	hyper	sig	chr21_43940911
chr12	1.33E+08	132559117	+	4.155E-12	3.9549E-11	-0.24915	hypo	sig	chr12_132559117
chr7	64942743	64942743	+	4.16E-12	3.9597E-11	0.218462	hyper	sig	chr7_64942743
chr22	24607641	24607641	+	4.164E-12	3.9634E-11	-0.20168	hypo	sig	chr22_24607641
chr17	35496673	35496673	+	4.169E-12	3.9673E-11	0.260266	hyper	sig	chr17_35496673
chr3	62368095	62368095	+	4.169E-12	3.9675E-11	0.24537	hyper	sig	chr3_62368095
chr11	46361481	46361481	+	4.169E-12	3.968E-11	0.249737	hyper	sig	chr11_46361481
chr2	2.32E+08	232459046	+	4.17E-12	3.9685E-11	0.239162	hyper	sig	chr2_232459046
chr4	92306119	92306119	+	4.172E-12	3.9709E-11	0.25157	hyper	sig	chr4_92306119
chr16	29154723	29154723	+	4.173E-12	3.9713E-11	0.238078	hyper	sig	chr16_29154723
chr4	1.13E+08	112511439	+	4.174E-12	3.9726E-11	0.226383	hyper	sig	chr4_112511439
chr1	98045291	98045291	+	4.175E-12	3.9734E-11	0.212923	hyper	sig	chr1_98045291
chr3	1.27E+08	127390778	+	4.178E-12	3.9755E-11	-0.21849	hypo	sig	chr3_127390778
chr17	63701166	63701166	+	4.179E-12	3.9771E-11	0.201033	hyper	sig	chr17_63701166
chr20	59604485	59604485	+	4.181E-12	3.9785E-11	0.258301	hyper	sig	chr20_59604485
chr17	82830164	82830164	+	4.182E-12	3.9799E-11	0.201361	hyper	sig	chr17_82830164
chr6	1.68E+08	168196986	+	4.183E-12	3.9801E-11	-0.25446	hypo	sig	chr6_168196986
chr16	1181375	1181375	+	4.183E-12	3.9802E-11	0.277678	hyper	sig	chr16_1181375
chr19	18208336	18208336	+	4.184E-12	3.981E-11	0.259344	hyper	sig	chr19_18208336
chr16	3236153	3236153	+	4.186E-12	3.9825E-11	-0.25639	hypo	sig	chr16_3236153
chr19	53993145	53993145	+	4.188E-12	3.9848E-11	0.2325	hyper	sig	chr19_53993145
chr5	1.75E+08	174732678	+	4.19E-12	3.9862E-11	0.258045	hyper	sig	chr5_174732678

chr12	1.21E+08	121224805	+	4.196E-12	3.9917E-11	-0.24804	hypo	sig	chr12_121224805
chr3	5023541	5023541	+	4.198E-12	3.9936E-11	-0.25278	hypo	sig	chr3_5023541
chr1	1.82E+08	182056702	+	4.198E-12	3.9939E-11	0.30809	hyper	sig	chr1_182056702
chr1	1.09E+08	109466180	+	4.199E-12	3.9946E-11	0.250248	hyper	sig	chr1_109466180
chr11	3989502	3989502	+	4.2E-12	3.9955E-11	0.210476	hyper	sig	chr11_3989502
chr11	1.17E+08	117428755	+	4.2E-12	3.9955E-11	-0.21639	hypo	sig	chr11_117428755
chr5	1.69E+08	169299854	+	4.2E-12	3.9958E-11	0.209942	hyper	sig	chr5_169299854
chr7	27145549	27145549	+	4.203E-12	3.9986E-11	0.246305	hyper	sig	chr7_27145549
chr11	364805	364805	+	4.205E-12	3.9999E-11	-0.24103	hypo	sig	chr11_364805
chr6	31713946	31713946	+	4.205E-12	4.0003E-11	-0.2545	hypo	sig	chr6_31713946
chr3	198050	198050	+	4.209E-12	4.0039E-11	0.305949	hyper	sig	chr3_198050
chr5	71719166	71719166	+	4.21E-12	4.0045E-11	0.358609	hyper	sig	chr5_71719166
chr20	34559740	34559740	+	4.211E-12	4.0056E-11	0.222084	hyper	sig	chr20_34559740
chr14	37622545	37622545	+	4.213E-12	4.0072E-11	0.285907	hyper	sig	chr14_37622545
chr12	1.29E+08	128976488	+	4.214E-12	4.0082E-11	0.203741	hyper	sig	chr12_128976488
chr14	1.05E+08	104564931	+	4.215E-12	4.0092E-11	-0.24983	hypo	sig	chr14_104564931
chr5	1.73E+08	173234177	+	4.216E-12	4.0096E-11	0.292782	hyper	sig	chr5_173234177
chr1	18637412	18637412	+	4.218E-12	4.0119E-11	0.249767	hyper	sig	chr1_18637412
chr22	39658153	39658153	+	4.221E-12	4.0143E-11	-0.29525	hypo	sig	chr22_39658153
chr9	1.37E+08	137281638	+	4.221E-12	4.0147E-11	0.251505	hyper	sig	chr9_137281638
chr17	47848180	47848180	+	4.222E-12	4.0152E-11	0.251628	hyper	sig	chr17_47848180
chr5	88672684	88672684	+	4.223E-12	4.0163E-11	0.247046	hyper	sig	chr5_88672684
chr4	1.59E+08	158573320	+	4.225E-12	4.0175E-11	-0.26825	hypo	sig	chr4_158573320
chr19	17648401	17648401	+	4.226E-12	4.0186E-11	-0.27248	hypo	sig	chr19_17648401
chr17	79793443	79793443	+	4.228E-12	4.0203E-11	0.241778	hyper	sig	chr17_79793443
chr16	55324151	55324151	+	4.228E-12	4.0204E-11	0.274349	hyper	sig	chr16_55324151
chr1	1.48E+08	148329061	+	4.231E-12	4.0237E-11	0.244968	hyper	sig	chr1_148329061
chr4	663221	663221	+	4.232E-12	4.0238E-11	0.242808	hyper	sig	chr4_663221
chr14	21026052	21026052	+	4.236E-12	4.0275E-11	0.224642	hyper	sig	chr14_21026052
chr6	1.33E+08	133242688	+	4.237E-12	4.0284E-11	0.205357	hyper	sig	chr6_133242688
chr1	57423363	57423363	+	4.237E-12	4.0289E-11	0.212975	hyper	sig	chr1_57423363
chr14	90518193	90518193	+	4.238E-12	4.0298E-11	0.266087	hyper	sig	chr14_90518193
chr2	196206	196206	+	4.239E-12	4.0302E-11	-0.2449	hypo	sig	chr2_196206
chr11	2904309	2904309	+	4.244E-12	4.035E-11	-0.23352	hypo	sig	chr11_2904309
chr10	1.24E+08	123972130	+	4.244E-12	4.035E-11	0.236601	hyper	sig	chr10_123972130
chr12	1.17E+08	117151214	+	4.245E-12	4.0355E-11	0.277445	hyper	sig	chr12_117151214
chr5	88889510	88889510	+	4.245E-12	4.0359E-11	0.210106	hyper	sig	chr5_88889510
chr19	58034939	58034939	+	4.247E-12	4.0377E-11	0.278588	hyper	sig	chr19_58034939
chr4	7718357	7718357	+	4.253E-12	4.0429E-11	-0.27767	hypo	sig	chr4_7718357
chr2	98823567	98823567	+	4.253E-12	4.0432E-11	0.242913	hyper	sig	chr2_98823567
chr20	63580838	63580838	+	4.254E-12	4.0444E-11	-0.20528	hypo	sig	chr20_63580838
chr1	44118820	44118820	+	4.256E-12	4.0461E-11	-0.2549	hypo	sig	chr1_44118820
chr7	1.45E+08	144834802	+	4.257E-12	4.0466E-11	-0.24907	hypo	sig	chr7_144834802
chr6	1.34E+08	133889556	+	4.258E-12	4.0475E-11	0.294841	hyper	sig	chr6_133889556
chr11	3123481	3123481	+	4.258E-12	4.0476E-11	0.216773	hyper	sig	chr11_3123481
chr10	413757	413757	+	4.258E-12	4.0478E-11	-0.27833	hypo	sig	chr10_413757
chr5	63959868	63959868	+	4.259E-12	4.0484E-11	0.238718	hyper	sig	chr5_63959868
chr2	1.61E+08	161416840	+	4.261E-12	4.0506E-11	0.221388	hyper	sig	chr2_161416840
chr1	35577768	35577768	+	4.263E-12	4.0516E-11	0.265744	hyper	sig	chr1_35577768
chr22	49671378	49671378	+	4.273E-12	4.0611E-11	0.212049	hyper	sig	chr22_49671378
chr19	52453950	52453950	+	4.273E-12	4.0617E-11	0.328194	hyper	sig	chr19_52453950
chr19	49031102	49031102	+	4.274E-12	4.062E-11	-0.23766	hypo	sig	chr19_49031102
chr19	54223503	54223503	+	4.275E-12	4.0635E-11	-0.21713	hypo	sig	chr19_54223503
chr7	35259164	35259164	+	4.278E-12	4.0657E-11	0.250735	hyper	sig	chr7_35259164
chr5	1.73E+08	173233899	+	4.284E-12	4.0709E-11	0.23831	hyper	sig	chr5_173233899
chr12	1.27E+08	127280793	+	4.284E-12	4.0712E-11	0.211231	hyper	sig	chr12_127280793

chr4	41268328	41268328	+	4.285E-12	4.072E-11	-0.20683	hypo	sig	chr4_41268328
chr9	34700268	34700268	+	4.286E-12	4.0731E-11	-0.24465	hypo	sig	chr9_34700268
chr8	55939767	55939767	+	4.288E-12	4.0754E-11	0.302039	hyper	sig	chr8_55939767
chr16	1218572	1218572	+	4.289E-12	4.0757E-11	-0.25893	hypo	sig	chr16_1218572
chr3	1.2E+08	119810101	+	4.292E-12	4.0789E-11	0.279283	hyper	sig	chr3_119810101
chr6	1.68E+08	167795620	+	4.296E-12	4.0822E-11	-0.31135	hypo	sig	chr6_167795620
chr7	90119678	90119678	+	4.296E-12	4.0824E-11	0.218692	hyper	sig	chr7_90119678
chr9	1.37E+08	136688210	+	4.298E-12	4.0839E-11	-0.20795	hypo	sig	chr9_136688210
chr17	82963264	82963264	+	4.299E-12	4.085E-11	0.241464	hyper	sig	chr17_82963264
chr1	27351441	27351441	+	4.3E-12	4.0857E-11	0.246327	hyper	sig	chr1_27351441
chr1	2.31E+08	230746910	+	4.3E-12	4.0857E-11	-0.22325	hypo	sig	chr1_230746910
chr16	88842103	88842103	+	4.303E-12	4.0885E-11	-0.20118	hypo	sig	chr16_88842103
chr14	94773044	94773044	+	4.304E-12	4.0891E-11	0.249957	hyper	sig	chr14_94773044
chr17	63437449	63437449	+	4.311E-12	4.0958E-11	0.216943	hyper	sig	chr17_63437449
chr18	77058610	77058610	+	4.311E-12	4.0958E-11	0.235732	hyper	sig	chr18_77058610
chr16	31569611	31569611	+	4.312E-12	4.0965E-11	0.232531	hyper	sig	chr16_31569611
chr11	69891551	69891551	+	4.313E-12	4.0974E-11	-0.26782	hypo	sig	chr11_69891551
chr8	1622850	1622850	+	4.316E-12	4.1003E-11	-0.31214	hypo	sig	chr8_1622850
chr19	2252776	2252776	+	4.317E-12	4.101E-11	0.316809	hyper	sig	chr19_2252776
chr17	82000455	82000455	+	4.32E-12	4.1036E-11	-0.25269	hypo	sig	chr17_82000455
chr5	1.41E+08	140850610	+	4.32E-12	4.1036E-11	0.239138	hyper	sig	chr5_140850610
chr8	8325031	8325031	+	4.322E-12	4.1059E-11	0.215342	hyper	sig	chr8_8325031
chr5	1.8E+08	180441587	+	4.323E-12	4.1067E-11	-0.2455	hypo	sig	chr5_180441587
chr7	97732146	97732146	+	4.328E-12	4.1111E-11	0.209184	hyper	sig	chr7_97732146
chr3	1.26E+08	125756278	+	4.329E-12	4.1117E-11	-0.28801	hypo	sig	chr3_125756278
chr17	75587960	75587960	+	4.33E-12	4.1125E-11	0.230155	hyper	sig	chr17_75587960
chr17	8155815	8155815	+	4.331E-12	4.114E-11	0.352797	hyper	sig	chr17_8155815
chr6	14916125	14916125	+	4.331E-12	4.1141E-11	-0.21718	hypo	sig	chr6_14916125
chr11	66317351	66317351	+	4.332E-12	4.1148E-11	0.234368	hyper	sig	chr11_66317351
chr21	33024715	33024715	+	4.333E-12	4.1153E-11	0.201952	hyper	sig	chr21_33024715
chr2	2.42E+08	241926880	+	4.334E-12	4.116E-11	-0.21456	hypo	sig	chr2_241926880
chr16	89291034	89291034	+	4.335E-12	4.1172E-11	0.225862	hyper	sig	chr16_89291034
chr12	53324319	53324319	+	4.335E-12	4.1173E-11	0.211759	hyper	sig	chr12_53324319
chr2	2.18E+08	218368885	+	4.338E-12	4.1202E-11	0.208485	hyper	sig	chr2_218368885
chr18	28176461	28176461	+	4.338E-12	4.1203E-11	0.223676	hyper	sig	chr18_28176461
chr9	1.36E+08	136091952	+	4.341E-12	4.1228E-11	0.323046	hyper	sig	chr9_136091952
chr1	50048685	50048685	+	4.342E-12	4.1236E-11	0.260458	hyper	sig	chr1_50048685
chr12	1.18E+08	117967860	+	4.343E-12	4.1242E-11	0.283285	hyper	sig	chr12_117967860
chr6	1.68E+08	167799150	+	4.347E-12	4.1279E-11	-0.26148	hypo	sig	chr6_167799150
chr16	86568842	86568842	+	4.348E-12	4.1284E-11	0.253532	hyper	sig	chr16_86568842
chr19	3163750	3163750	+	4.349E-12	4.1298E-11	0.228708	hyper	sig	chr19_3163750
chr17	76709797	76709797	+	4.35E-12	4.1305E-11	0.307267	hyper	sig	chr17_76709797
chr12	1.14E+08	114409596	+	4.353E-12	4.1329E-11	0.230078	hyper	sig	chr12_114409596
chr1	44722274	44722274	+	4.353E-12	4.1334E-11	-0.25048	hypo	sig	chr1_44722274
chr16	563308	563308	+	4.357E-12	4.1368E-11	-0.30962	hypo	sig	chr16_563308
chr5	1.41E+08	141399822	+	4.357E-12	4.1368E-11	0.235263	hyper	sig	chr5_141399822
chr10	49678950	49678950	+	4.357E-12	4.1369E-11	0.218092	hyper	sig	chr10_49678950
chr8	84183419	84183419	+	4.358E-12	4.1374E-11	0.355364	hyper	sig	chr8_84183419
chr8	85438134	85438134	+	4.358E-12	4.1379E-11	0.247985	hyper	sig	chr8_85438134
chr1	2.48E+08	247518098	+	4.36E-12	4.1393E-11	0.236798	hyper	sig	chr1_247518098
chr2	1.6E+08	160257360	+	4.362E-12	4.1416E-11	-0.20583	hypo	sig	chr2_160257360
chr10	1.33E+08	132785852	+	4.364E-12	4.1436E-11	0.218147	hyper	sig	chr10_132785852
chr17	81734442	81734442	+	4.365E-12	4.1436E-11	-0.2272	hypo	sig	chr17_81734442
chr10	1.3E+08	130046686	+	4.368E-12	4.1469E-11	-0.23712	hypo	sig	chr10_130046686
chr10	58518864	58518864	+	4.372E-12	4.1504E-11	-0.20246	hypo	sig	chr10_58518864
chr7	1246630	1246630	+	4.373E-12	4.1516E-11	0.260735	hyper	sig	chr7_1246630

chr17	52159990	52159990	+	4.375E-12	4.153E-11	0.215424	hyper	sig	chr17_52159990
chr1	1679234	1679234	+	4.378E-12	4.1559E-11	-0.2044	hypo	sig	chr1_1679234
chr17	82577584	82577584	+	4.38E-12	4.1576E-11	-0.2469	hypo	sig	chr17_82577584
chr19	1177527	1177527	+	4.383E-12	4.1607E-11	-0.283	hypo	sig	chr19_1177527
chr8	1.08E+08	108082970	+	4.386E-12	4.1629E-11	0.344217	hyper	sig	chr8_108082970
chr14	1.07E+08	106844390	+	4.386E-12	4.1635E-11	-0.25525	hypo	sig	chr14_106844390
chr9	1.35E+08	134809498	+	4.388E-12	4.1656E-11	-0.26707	hypo	sig	chr9_134809498
chr2	96526529	96526529	+	4.395E-12	4.1712E-11	-0.23842	hypo	sig	chr2_96526529
chr6	32197396	32197396	+	4.395E-12	4.1719E-11	0.207368	hyper	sig	chr6_32197396
chr17	50467363	50467363	+	4.398E-12	4.1746E-11	-0.20884	hypo	sig	chr17_50467363
chr1	3283943	3283943	+	4.4E-12	4.1762E-11	0.225052	hyper	sig	chr1_3283943
chr16	66948814	66948814	+	4.401E-12	4.1767E-11	0.226925	hyper	sig	chr16_66948814
chr10	1.33E+08	132868851	+	4.402E-12	4.1774E-11	-0.30809	hypo	sig	chr10_132868851
chr12	57632227	57632227	+	4.402E-12	4.178E-11	0.216203	hyper	sig	chr12_57632227
chr13	1.11E+08	111458845	+	4.405E-12	4.1802E-11	-0.23268	hypo	sig	chr13_111458845
chr5	1.41E+08	141245605	+	4.406E-12	4.1813E-11	0.210065	hyper	sig	chr5_141245605
chr2	2.42E+08	242057152	+	4.407E-12	4.182E-11	-0.21297	hypo	sig	chr2_242057152
chr1	2213397	2213397	+	4.407E-12	4.1823E-11	0.246236	hyper	sig	chr1_2213397
chr10	43668860	43668860	+	4.412E-12	4.1867E-11	-0.22139	hypo	sig	chr10_43668860
chr12	1.17E+08	117033898	+	4.414E-12	4.1886E-11	0.237061	hyper	sig	chr12_117033898
chr8	60922384	60922384	+	4.415E-12	4.1893E-11	0.226714	hyper	sig	chr8_60922384
chr19	39308457	39308457	+	4.415E-12	4.1893E-11	0.231283	hyper	sig	chr19_39308457
chr2	1.3E+08	129935747	+	4.415E-12	4.1893E-11	-0.20366	hypo	sig	chr2_129935747
chr16	1205432	1205432	+	4.417E-12	4.191E-11	-0.23463	hypo	sig	chr16_1205432
chr2	1.05E+08	104659368	+	4.417E-12	4.1914E-11	0.2463	hyper	sig	chr2_104659368
chr11	33869011	33869011	+	4.419E-12	4.1929E-11	0.223413	hyper	sig	chr11_33869011
chr17	50781339	50781339	+	4.421E-12	4.1951E-11	0.229128	hyper	sig	chr17_50781339
chr12	1.2E+08	120394801	+	4.423E-12	4.1964E-11	-0.24149	hypo	sig	chr12_120394801
chr5	1.47E+08	147480146	+	4.432E-12	4.2052E-11	-0.31936	hypo	sig	chr5_147480146
chr19	11361429	11361429	+	4.432E-12	4.2053E-11	-0.29105	hypo	sig	chr19_11361429
chr9	1.17E+08	117413241	+	4.433E-12	4.2058E-11	0.312246	hyper	sig	chr9_117413241
chr20	36777586	36777586	+	4.437E-12	4.2098E-11	0.211647	hyper	sig	chr20_36777586
chr10	1.3E+08	129854930	+	4.438E-12	4.2102E-11	-0.24231	hypo	sig	chr10_129854930
chr1	1.1E+08	110069259	+	4.44E-12	4.2119E-11	0.331114	hyper	sig	chr1_110069259
chr19	17282570	17282570	+	4.441E-12	4.2128E-11	0.209977	hyper	sig	chr19_17282570
chr19	4552444	4552444	+	4.442E-12	4.2144E-11	-0.27838	hypo	sig	chr19_4552444
chr16	2034247	2034247	+	4.444E-12	4.2159E-11	0.231187	hyper	sig	chr16_2034247
chr1	47711024	47711024	+	4.447E-12	4.2188E-11	0.221459	hyper	sig	chr1_47711024
chr1	1.59E+08	159171304	+	4.45E-12	4.221E-11	0.215271	hyper	sig	chr1_159171304
chr6	1.7E+08	170092395	+	4.45E-12	4.2211E-11	-0.30885	hypo	sig	chr6_170092395
chr4	4339670	4339670	+	4.451E-12	4.2219E-11	0.206866	hyper	sig	chr4_4339670
chr15	90868941	90868941	+	4.451E-12	4.2222E-11	-0.22624	hypo	sig	chr15_90868941
chr3	13637418	13637418	+	4.453E-12	4.2243E-11	-0.24477	hypo	sig	chr3_13637418
chr14	36510490	36510490	+	4.456E-12	4.2265E-11	0.212811	hyper	sig	chr14_36510490
chr11	70587178	70587178	+	4.456E-12	4.2271E-11	-0.21534	hypo	sig	chr11_70587178
chr10	1.33E+08	133278600	+	4.457E-12	4.2278E-11	-0.21996	hypo	sig	chr10_133278600
chr2	20671327	20671327	+	4.457E-12	4.2279E-11	0.307148	hyper	sig	chr2_20671327
chr21	33024795	33024795	+	4.458E-12	4.2283E-11	0.226385	hyper	sig	chr21_33024795
chr2	63058230	63058230	+	4.46E-12	4.2302E-11	0.211819	hyper	sig	chr2_63058230
chr17	47424265	47424265	+	4.46E-12	4.2306E-11	0.265839	hyper	sig	chr17_47424265
chr16	88975829	88975829	+	4.461E-12	4.2309E-11	-0.2503	hypo	sig	chr16_88975829
chr16	1131261	1131261	+	4.462E-12	4.2317E-11	-0.25426	hypo	sig	chr16_1131261
chr13	26685717	26685717	+	4.462E-12	4.2323E-11	-0.21236	hypo	sig	chr13_26685717
chr17	887388	887388	+	4.463E-12	4.233E-11	0.228427	hyper	sig	chr17_887388
chr1	1.56E+08	156407870	+	4.464E-12	4.2336E-11	-0.22489	hypo	sig	chr1_156407870
chr17	6995829	6995829	+	4.47E-12	4.239E-11	0.232351	hyper	sig	chr17_6995829

chr1	1.56E+08	155989365	+	4.481E-12	4.2494E-11	0.244359	hyper	sig	chr1_155989365
chr6	29755480	29755480	+	4.482E-12	4.2499E-11	0.20078	hyper	sig	chr6_29755480
chr5	1.41E+08	141341261	+	4.482E-12	4.2504E-11	0.233688	hyper	sig	chr5_141341261
chr3	1.58E+08	158102737	+	4.483E-12	4.2509E-11	0.251437	hyper	sig	chr3_158102737
chr2	1.15E+08	115162408	+	4.483E-12	4.2511E-11	0.215659	hyper	sig	chr2_115162408
chr8	66178099	66178099	+	4.484E-12	4.2517E-11	0.290411	hyper	sig	chr8_66178099
chr13	1.14E+08	114046708	+	4.485E-12	4.2534E-11	-0.24926	hypo	sig	chr13_114046708
chr9	1.22E+08	121699320	+	4.487E-12	4.2551E-11	0.211043	hyper	sig	chr9_121699320
chr5	32713402	32713402	+	4.488E-12	4.2552E-11	0.278212	hyper	sig	chr5_32713402
chr15	99426626	99426626	+	4.488E-12	4.2555E-11	-0.25222	hypo	sig	chr15_99426626
chr14	75274061	75274061	+	4.489E-12	4.2567E-11	0.223997	hyper	sig	chr14_75274061
chr6	1600994	1600994	+	4.491E-12	4.2584E-11	-0.20443	hypo	sig	chr6_1600994
chr16	88967348	88967348	+	4.494E-12	4.2607E-11	-0.2242	hypo	sig	chr16_88967348
chr4	1502927	1502927	+	4.494E-12	4.2613E-11	-0.26926	hypo	sig	chr4_1502927
chr5	1.41E+08	141189601	+	4.498E-12	4.2646E-11	0.21538	hyper	sig	chr5_141189601
chr12	1.08E+08	107585251	+	4.501E-12	4.2672E-11	-0.23263	hypo	sig	chr12_107585251
chr20	62570719	62570719	+	4.501E-12	4.2679E-11	-0.23752	hypo	sig	chr20_62570719
chr1	2.23E+08	223129491	+	4.507E-12	4.273E-11	0.236278	hyper	sig	chr1_223129491
chr1	1.65E+08	165355946	+	4.509E-12	4.2745E-11	0.227105	hyper	sig	chr1_165355946
chr19	1444893	1444893	+	4.513E-12	4.2785E-11	0.230972	hyper	sig	chr19_1444893
chr1	3480476	3480476	+	4.517E-12	4.2825E-11	-0.26096	hypo	sig	chr1_3480476
chr16	63617715	63617715	+	4.518E-12	4.283E-11	0.298894	hyper	sig	chr16_63617715
chr3	1.29E+08	129001352	+	4.519E-12	4.2839E-11	0.237248	hyper	sig	chr3_129001352
chr12	64389128	64389128	+	4.52E-12	4.2846E-11	-0.24888	hypo	sig	chr12_64389128
chr12	7440058	7440058	+	4.521E-12	4.2852E-11	0.203516	hyper	sig	chr12_7440058
chr7	23905028	23905028	+	4.523E-12	4.2872E-11	-0.21679	hypo	sig	chr7_23905028
chr17	82342481	82342481	+	4.525E-12	4.2894E-11	-0.29707	hypo	sig	chr17_82342481
chr17	66958292	66958292	+	4.531E-12	4.295E-11	0.227866	hyper	sig	chr17_66958292
chr3	1.47E+08	147392023	+	4.539E-12	4.3017E-11	0.246916	hyper	sig	chr3_147392023
chr5	1.41E+08	141136926	+	4.542E-12	4.3049E-11	0.243463	hyper	sig	chr5_141136926
chr22	20204962	20204962	+	4.543E-12	4.306E-11	0.217703	hyper	sig	chr22_20204962
chr14	71933396	71933396	+	4.545E-12	4.3078E-11	0.232135	hyper	sig	chr14_71933396
chr10	22333864	22333864	+	4.546E-12	4.3081E-11	0.223771	hyper	sig	chr10_22333864
chr11	79438348	79438348	+	4.547E-12	4.3087E-11	0.2444	hyper	sig	chr11_79438348
chr15	70050051	70050051	+	4.547E-12	4.3087E-11	0.212832	hyper	sig	chr15_70050051
chr3	1.38E+08	138009241	+	4.547E-12	4.3087E-11	-0.2419	hypo	sig	chr3_138009241
chr14	24171845	24171845	+	4.553E-12	4.3142E-11	0.258664	hyper	sig	chr14_24171845
chr5	67315668	67315668	+	4.553E-12	4.3145E-11	-0.22342	hypo	sig	chr5_67315668
chr7	1.58E+08	157886291	+	4.565E-12	4.3255E-11	-0.20331	hypo	sig	chr7_157886291
chr8	1.43E+08	143417872	+	4.57E-12	4.3299E-11	-0.28122	hypo	sig	chr8_143417872
chr17	4900866	4900866	+	4.57E-12	4.33E-11	0.285703	hyper	sig	chr17_4900866
chr21	33029570	33029570	+	4.571E-12	4.3309E-11	0.362771	hyper	sig	chr21_33029570
chr6	1.01E+08	101392649	+	4.576E-12	4.3359E-11	0.227037	hyper	sig	chr6_101392649
chr5	93588392	93588392	+	4.578E-12	4.337E-11	0.258593	hyper	sig	chr5_93588392
chr19	22532533	22532533	+	4.579E-12	4.338E-11	0.261763	hyper	sig	chr19_22532533
chr7	28409814	28409814	+	4.582E-12	4.3408E-11	0.202138	hyper	sig	chr7_28409814
chr20	32030123	32030123	+	4.583E-12	4.3415E-11	-0.25526	hypo	sig	chr20_32030123
chr1	50426663	50426663	+	4.584E-12	4.3424E-11	0.246724	hyper	sig	chr1_50426663
chr7	1.51E+08	151047297	+	4.584E-12	4.3427E-11	0.21809	hyper	sig	chr7_151047297
chr1	2291035	2291035	+	4.585E-12	4.3436E-11	0.209158	hyper	sig	chr1_2291035
chr2	2.22E+08	221570969	+	4.588E-12	4.3464E-11	0.219573	hyper	sig	chr2_221570969
chr2	10008822	10008822	+	4.588E-12	4.3466E-11	-0.2481	hypo	sig	chr2_10008822
chr3	9509009	9509009	+	4.591E-12	4.3488E-11	0.234434	hyper	sig	chr3_9509009
chr8	1.4E+08	139814301	+	4.591E-12	4.3492E-11	0.293281	hyper	sig	chr8_139814301
chr2	46490700	46490700	+	4.593E-12	4.3508E-11	0.212186	hyper	sig	chr2_46490700
chr9	970542	970542	+	4.597E-12	4.3539E-11	0.263635	hyper	sig	chr9_970542

chr17	81296028	81296028	+	4.599E-12	4.3562E-11	-0.20409	hypo	sig	chr17_81296028
chr20	22586414	22586414	+	4.603E-12	4.3597E-11	0.221971	hyper	sig	chr20_22586414
chr6	6002711	6002711	+	4.604E-12	4.3609E-11	0.298167	hyper	sig	chr6_6002711
chr1	3366156	3366156	+	4.605E-12	4.362E-11	0.236698	hyper	sig	chr1_3366156
chr11	1028394	1028394	+	4.611E-12	4.3675E-11	-0.24861	hypo	sig	chr11_1028394
chr2	1.19E+08	118854264	+	4.611E-12	4.3675E-11	0.258025	hyper	sig	chr2_118854264
chr3	42265327	42265327	+	4.612E-12	4.3678E-11	0.28307	hyper	sig	chr3_42265327
chr20	46021655	46021655	+	4.612E-12	4.368E-11	0.230528	hyper	sig	chr20_46021655
chr14	1.04E+08	104390147	+	4.614E-12	4.3693E-11	-0.22043	hypo	sig	chr14_104390147
chr1	50425726	50425726	+	4.615E-12	4.3709E-11	0.211969	hyper	sig	chr1_50425726
chr2	2.42E+08	241834269	+	4.616E-12	4.3712E-11	-0.21505	hypo	sig	chr2_241834269
chr1	3109587	3109587	+	4.618E-12	4.3736E-11	0.207011	hyper	sig	chr1_3109587
chr15	82648786	82648786	+	4.619E-12	4.3742E-11	0.21077	hyper	sig	chr15_82648786
chr22	32205112	32205112	+	4.619E-12	4.3742E-11	-0.29493	hypo	sig	chr22_32205112
chr3	72929061	72929061	+	4.62E-12	4.3753E-11	0.201325	hyper	sig	chr3_72929061
chr7	1383295	1383295	+	4.621E-12	4.3758E-11	-0.24264	hypo	sig	chr7_1383295
chr1	2.24E+08	223748698	+	4.623E-12	4.3778E-11	0.391042	hyper	sig	chr1_223748698
chr17	48750129	48750129	+	4.631E-12	4.3853E-11	0.20967	hyper	sig	chr17_48750129
chr5	502012	502012	+	4.632E-12	4.3858E-11	0.20619	hyper	sig	chr5_502012
chr13	36432009	36432009	+	4.637E-12	4.3904E-11	0.268489	hyper	sig	chr13_36432009
chr5	1380395	1380395	+	4.637E-12	4.3905E-11	-0.20576	hypo	sig	chr5_1380395
chr15	1.01E+08	100880537	+	4.641E-12	4.394E-11	0.247652	hyper	sig	chr15_100880537
chr2	25277192	25277192	+	4.644E-12	4.397E-11	0.269681	hyper	sig	chr2_25277192
chr4	1.32E+08	131978337	+	4.645E-12	4.3977E-11	-0.22823	hypo	sig	chr4_131978337
chr1	2.23E+08	223393105	+	4.652E-12	4.4042E-11	-0.21167	hypo	sig	chr1_223393105
chr1	9018458	9018458	+	4.653E-12	4.4053E-11	0.229858	hyper	sig	chr1_9018458
chr5	67315661	67315661	+	4.653E-12	4.4055E-11	-0.2388	hypo	sig	chr5_67315661
chr11	75335973	75335973	+	4.653E-12	4.4057E-11	0.210774	hyper	sig	chr11_75335973
chr1	1.52E+08	151839073	+	4.654E-12	4.4059E-11	0.290249	hyper	sig	chr1_151839073
chr11	614799	614799	+	4.657E-12	4.4088E-11	-0.25202	hypo	sig	chr11_614799
chr15	65030144	65030144	+	4.657E-12	4.4089E-11	-0.25669	hypo	sig	chr15_65030144
chr15	79090746	79090746	+	4.657E-12	4.4089E-11	0.29041	hyper	sig	chr15_79090746
chr1	44617268	44617268	+	4.662E-12	4.4137E-11	0.233144	hyper	sig	chr1_44617268
chr12	6887643	6887643	+	4.672E-12	4.4223E-11	-0.21804	hypo	sig	chr12_6887643
chr4	41867562	41867562	+	4.672E-12	4.4225E-11	0.202213	hyper	sig	chr4_41867562
chr6	1.7E+08	170272043	+	4.674E-12	4.4245E-11	-0.20479	hypo	sig	chr6_170272043
chr1	16618915	16618915	+	4.674E-12	4.4248E-11	0.23403	hyper	sig	chr1_16618915
chr19	7674550	7674550	+	4.675E-12	4.4249E-11	-0.2332	hypo	sig	chr19_7674550
chr2	1.76E+08	176152902	+	4.676E-12	4.4257E-11	-0.26737	hypo	sig	chr2_176152902
chr16	15148952	15148952	+	4.677E-12	4.4266E-11	0.251079	hyper	sig	chr16_15148952
chr1	25618235	25618235	+	4.678E-12	4.4281E-11	0.211625	hyper	sig	chr1_25618235
chr20	610504	610504	+	4.681E-12	4.4306E-11	0.272314	hyper	sig	chr20_610504
chr16	561384	561384	+	4.681E-12	4.4309E-11	-0.27061	hypo	sig	chr16_561384
chr16	88981995	88981995	+	4.685E-12	4.4336E-11	-0.20679	hypo	sig	chr16_88981995
chr10	1.22E+08	122163963	+	4.685E-12	4.4342E-11	0.224004	hyper	sig	chr10_122163963
chr19	18787571	18787571	+	4.685E-12	4.4342E-11	0.222731	hyper	sig	chr19_18787571
chr3	1.7E+08	169660191	+	4.693E-12	4.4413E-11	0.201176	hyper	sig	chr3_169660191
chr12	1.07E+08	106580976	+	4.697E-12	4.4454E-11	0.256362	hyper	sig	chr12_106580976
chr19	35449954	35449954	+	4.7E-12	4.4481E-11	-0.24674	hypo	sig	chr19_35449954
chr2	1.05E+08	104845855	+	4.703E-12	4.4508E-11	0.231739	hyper	sig	chr2_104845855
chr1	10901158	10901158	+	4.705E-12	4.4518E-11	-0.28356	hypo	sig	chr1_10901158
chr6	33193551	33193551	+	4.708E-12	4.4553E-11	0.221957	hyper	sig	chr6_33193551
chr7	4136233	4136233	+	4.716E-12	4.4624E-11	-0.21347	hypo	sig	chr7_4136233
chr19	45815340	45815340	+	4.716E-12	4.4625E-11	0.294332	hyper	sig	chr19_45815340
chr7	30681895	30681895	+	4.724E-12	4.4692E-11	0.260955	hyper	sig	chr7_30681895
chr13	1.14E+08	114027217	+	4.73E-12	4.4746E-11	0.305866	hyper	sig	chr13_114027217

chr8	38770567	38770567	+	4.734E-12	4.4786E-11	0.234886	hyper	sig	chr8_38770567
chr5	1.41E+08	141423081	+	4.734E-12	4.4788E-11	0.24128	hyper	sig	chr5_141423081
chr16	12903612	12903612	+	4.737E-12	4.4812E-11	0.209956	hyper	sig	chr16_12903612
chr3	1.38E+08	137771625	+	4.737E-12	4.4815E-11	0.220107	hyper	sig	chr3_137771625
chr8	1.4E+08	140100215	+	4.746E-12	4.489E-11	0.215612	hyper	sig	chr8_140100215
chr18	26133900	26133900	+	4.746E-12	4.4894E-11	0.207309	hyper	sig	chr18_26133900
chr16	1180305	1180305	+	4.747E-12	4.49E-11	-0.24665	hypo	sig	chr16_1180305
chr1	6025739	6025739	+	4.751E-12	4.4937E-11	-0.23238	hypo	sig	chr1_6025739
chr11	1.03E+08	102767945	+	4.751E-12	4.4939E-11	0.224585	hyper	sig	chr11_102767945
chr15	98505716	98505716	+	4.751E-12	4.4939E-11	-0.22665	hypo	sig	chr15_98505716
chr10	1.03E+08	102919711	+	4.752E-12	4.4947E-11	0.290179	hyper	sig	chr10_102919711
chr7	98618382	98618382	+	4.753E-12	4.4957E-11	0.226841	hyper	sig	chr7_98618382
chr9	34372154	34372154	+	4.755E-12	4.4973E-11	0.209962	hyper	sig	chr9_34372154
chr1	3064085	3064085	+	4.755E-12	4.4974E-11	0.229679	hyper	sig	chr1_3064085
chr1	24503577	24503577	+	4.757E-12	4.4991E-11	-0.21065	hypo	sig	chr1_24503577
chr1	2.08E+08	208030695	+	4.758E-12	4.4999E-11	0.238043	hyper	sig	chr1_208030695
chr2	2.4E+08	239504149	+	4.763E-12	4.5048E-11	-0.26941	hypo	sig	chr2_239504149
chr10	49397183	49397183	+	4.764E-12	4.5052E-11	0.238547	hyper	sig	chr10_49397183
chr13	1.14E+08	114005326	+	4.771E-12	4.5116E-11	-0.3341	hypo	sig	chr13_114005326
chr7	4175394	4175394	+	4.771E-12	4.5119E-11	-0.20297	hypo	sig	chr7_4175394
chr13	1.14E+08	113999414	+	4.771E-12	4.5122E-11	-0.20138	hypo	sig	chr13_113999414
chr11	8262660	8262660	+	4.772E-12	4.5127E-11	0.251156	hyper	sig	chr11_8262660
chr1	1430839	1430839	+	4.772E-12	4.5131E-11	0.301802	hyper	sig	chr1_1430839
chr12	1.32E+08	132179016	+	4.775E-12	4.5154E-11	-0.26344	hypo	sig	chr12_132179016
chr10	46578179	46578179	+	4.777E-12	4.517E-11	0.34292	hyper	sig	chr10_46578179
chr11	95038028	95038028	+	4.779E-12	4.5188E-11	0.23024	hyper	sig	chr11_95038028
chr6	30723602	30723602	+	4.779E-12	4.519E-11	0.222944	hyper	sig	chr6_30723602
chr1	3247766	3247766	+	4.779E-12	4.5194E-11	0.228858	hyper	sig	chr1_3247766
chr14	28768274	28768274	+	4.78E-12	4.5196E-11	0.320779	hyper	sig	chr14_28768274
chr5	1.78E+08	178384647	+	4.783E-12	4.5226E-11	-0.27659	hypo	sig	chr5_178384647
chr5	270368	270368	+	4.786E-12	4.5255E-11	-0.27644	hypo	sig	chr5_270368
chr12	1.31E+08	131217152	+	4.787E-12	4.5264E-11	0.205334	hyper	sig	chr12_131217152
chr7	1.59E+08	158979079	+	4.79E-12	4.5289E-11	-0.23273	hypo	sig	chr7_158979079
chr2	74516581	74516581	+	4.793E-12	4.5319E-11	0.271804	hyper	sig	chr2_74516581
chr7	1.5E+08	149692566	+	4.793E-12	4.5321E-11	0.302465	hyper	sig	chr7_149692566
chr2	2.38E+08	237886735	+	4.794E-12	4.5324E-11	0.257281	hyper	sig	chr2_237886735
chr18	904852	904852	+	4.795E-12	4.5336E-11	0.276648	hyper	sig	chr18_904852
chr19	3369707	3369707	+	4.795E-12	4.5336E-11	0.26504	hyper	sig	chr19_3369707
chr20	61928199	61928199	+	4.795E-12	4.5338E-11	-0.25833	hypo	sig	chr20_61928199
chr6	98844392	98844392	+	4.798E-12	4.5363E-11	0.254738	hyper	sig	chr6_98844392
chr7	27145131	27145131	+	4.801E-12	4.5385E-11	0.240234	hyper	sig	chr7_27145131
chr19	12194738	12194738	+	4.801E-12	4.5391E-11	0.235236	hyper	sig	chr19_12194738
chr14	56809355	56809355	+	4.802E-12	4.5393E-11	0.308956	hyper	sig	chr14_56809355
chr9	38488125	38488125	+	4.802E-12	4.54E-11	0.261597	hyper	sig	chr9_38488125
chr1	15837095	15837095	+	4.807E-12	4.544E-11	-0.21082	hypo	sig	chr1_15837095
chr4	38120235	38120235	+	4.807E-12	4.5444E-11	0.230532	hyper	sig	chr4_38120235
chr1	20291875	20291875	+	4.809E-12	4.5457E-11	0.224516	hyper	sig	chr1_20291875
chr16	8885338	8885338	+	4.811E-12	4.5475E-11	-0.23975	hypo	sig	chr16_8885338
chr19	41844686	41844686	+	4.813E-12	4.5497E-11	-0.28718	hypo	sig	chr19_41844686
chr11	506098	506098	+	4.813E-12	4.5499E-11	-0.22007	hypo	sig	chr11_506098
chr5	73299978	73299978	+	4.814E-12	4.5501E-11	0.228727	hyper	sig	chr5_73299978
chr11	12008196	12008196	+	4.814E-12	4.5506E-11	0.245955	hyper	sig	chr11_12008196
chr5	1.35E+08	135029238	+	4.816E-12	4.5524E-11	0.287376	hyper	sig	chr5_135029238
chr11	2144441	2144441	+	4.816E-12	4.5525E-11	0.225	hyper	sig	chr11_2144441
chr1	16535642	16535642	+	4.82E-12	4.5557E-11	0.214305	hyper	sig	chr1_16535642
chr7	1.17E+08	117427281	+	4.821E-12	4.5568E-11	-0.22045	hypo	sig	chr7_117427281

chr11	1644117	1644117	+	4.821E-12	4.5572E-11	-0.24208	hypo	sig	chr11_1644117
chr6	32152070	32152070	+	4.822E-12	4.5573E-11	0.343982	hyper	sig	chr6_32152070
chr19	49132977	49132977	+	4.825E-12	4.5602E-11	0.322748	hyper	sig	chr19_49132977
chr7	4141038	4141038	+	4.828E-12	4.5628E-11	-0.27746	hypo	sig	chr7_4141038
chr13	20717387	20717387	+	4.831E-12	4.5656E-11	-0.23015	hypo	sig	chr13_20717387
chr15	45704336	45704336	+	4.839E-12	4.5731E-11	0.223547	hyper	sig	chr15_45704336
chr1	2E+08	200038638	+	4.839E-12	4.5733E-11	0.391989	hyper	sig	chr1_200038638
chr16	70686411	70686411	+	4.839E-12	4.5733E-11	0.245022	hyper	sig	chr16_70686411
chr5	1243792	1243792	+	4.84E-12	4.5741E-11	0.249267	hyper	sig	chr5_1243792
chr19	15011369	15011369	+	4.841E-12	4.5751E-11	0.211941	hyper	sig	chr19_15011369
chr1	2.36E+08	235993287	+	4.843E-12	4.5763E-11	-0.2497	hypo	sig	chr1_235993287
chr9	1.37E+08	136670635	+	4.845E-12	4.5782E-11	-0.22319	hypo	sig	chr9_136670635
chr3	12934788	12934788	+	4.851E-12	4.5838E-11	0.267684	hyper	sig	chr3_12934788
chr1	3223277	3223277	+	4.851E-12	4.5839E-11	-0.25879	hypo	sig	chr1_3223277
chr3	1.29E+08	129046582	+	4.856E-12	4.588E-11	0.233347	hyper	sig	chr3_129046582
chr4	1.12E+08	112379400	+	4.856E-12	4.588E-11	0.205489	hyper	sig	chr4_112379400
chr20	52106080	52106080	+	4.857E-12	4.589E-11	0.280269	hyper	sig	chr20_52106080
chr20	63420906	63420906	+	4.858E-12	4.5897E-11	-0.24077	hypo	sig	chr20_63420906
chr20	63415757	63415757	+	4.859E-12	4.5906E-11	-0.24848	hypo	sig	chr20_63415757
chr8	96498432	96498432	+	4.859E-12	4.5913E-11	-0.20463	hypo	sig	chr8_96498432
chr17	45501328	45501328	+	4.86E-12	4.5918E-11	0.272346	hyper	sig	chr17_45501328
chr17	82387415	82387415	+	4.865E-12	4.5961E-11	-0.23361	hypo	sig	chr17_82387415
chr10	1.33E+08	133038263	+	4.867E-12	4.5984E-11	0.207295	hyper	sig	chr10_133038263
chr1	52843568	52843568	+	4.875E-12	4.6052E-11	0.279614	hyper	sig	chr1_52843568
chr1	1.44E+08	143661198	+	4.875E-12	4.6052E-11	0.268061	hyper	sig	chr1_143661198
chr21	45410076	45410076	+	4.877E-12	4.6075E-11	-0.26816	hypo	sig	chr21_45410076
chr10	1.33E+08	133083408	+	4.878E-12	4.6076E-11	0.204449	hyper	sig	chr10_133083408
chr10	1.33E+08	132920174	+	4.882E-12	4.6119E-11	-0.32643	hypo	sig	chr10_132920174
chr17	81509553	81509553	+	4.882E-12	4.612E-11	0.205372	hyper	sig	chr17_81509553
chr9	88991148	88991148	+	4.884E-12	4.6131E-11	0.209576	hyper	sig	chr9_88991148
chr9	1.34E+08	133856052	+	4.885E-12	4.6145E-11	-0.3178	hypo	sig	chr9_133856052
chr19	46080951	46080951	+	4.887E-12	4.6165E-11	-0.21811	hypo	sig	chr19_46080951
chr8	64371098	64371098	+	4.891E-12	4.6196E-11	0.219883	hyper	sig	chr8_64371098
chr22	37023819	37023819	+	4.894E-12	4.622E-11	-0.24124	hypo	sig	chr22_37023819
chr19	40880544	40880544	+	4.895E-12	4.6238E-11	0.265571	hyper	sig	chr19_40880544
chr13	30932633	30932633	+	4.896E-12	4.6244E-11	0.213965	hyper	sig	chr13_30932633
chr17	8797318	8797318	+	4.899E-12	4.6267E-11	-0.20803	hypo	sig	chr17_8797318
chr1	2.1E+08	209937851	+	4.902E-12	4.6296E-11	0.243819	hyper	sig	chr1_209937851
chr17	50468720	50468720	+	4.904E-12	4.6312E-11	0.272229	hyper	sig	chr17_50468720
chr13	1.12E+08	112069892	+	4.904E-12	4.6316E-11	0.332471	hyper	sig	chr13_112069892
chr1	16727648	16727648	+	4.904E-12	4.6317E-11	-0.26642	hypo	sig	chr1_16727648
chr15	1E+08	100373671	+	4.906E-12	4.633E-11	0.251064	hyper	sig	chr15_100373671
chr7	26143926	26143926	+	4.912E-12	4.6382E-11	-0.21865	hypo	sig	chr7_26143926
chr16	89972123	89972123	+	4.912E-12	4.6387E-11	0.25721	hyper	sig	chr16_89972123
chr1	2.28E+08	228050819	+	4.915E-12	4.641E-11	-0.23993	hypo	sig	chr1_228050819
chr5	55228036	55228036	+	4.916E-12	4.6423E-11	0.213487	hyper	sig	chr5_55228036
chr11	50272086	50272086	+	4.917E-12	4.6431E-11	-0.23251	hypo	sig	chr11_50272086
chr14	74218139	74218139	+	4.922E-12	4.6476E-11	-0.27051	hypo	sig	chr14_74218139
chr1	25573673	25573673	+	4.926E-12	4.6513E-11	-0.27271	hypo	sig	chr1_25573673
chr11	1.32E+08	131690718	+	4.928E-12	4.6526E-11	-0.28082	hypo	sig	chr11_131690718
chr12	1.11E+08	110690132	+	4.93E-12	4.6547E-11	-0.26609	hypo	sig	chr12_110690132
chr13	87677556	87677556	+	4.933E-12	4.6578E-11	0.211218	hyper	sig	chr13_87677556
chr10	1.01E+08	101132984	+	4.935E-12	4.6597E-11	0.347708	hyper	sig	chr10_101132984
chr2	45000506	45000506	+	4.936E-12	4.6602E-11	0.233305	hyper	sig	chr2_45000506
chr8	1018964	1018964	+	4.938E-12	4.6617E-11	-0.23035	hypo	sig	chr8_1018964
chr17	7589961	7589961	+	4.939E-12	4.6631E-11	0.260638	hyper	sig	chr17_7589961

chr11	68384240	68384240	+	4.94E-12	4.6638E-11	0.205991	hyper	sig	chr11_68384240
chr6	34236223	34236223	+	4.942E-12	4.6655E-11	-0.29878	hypo	sig	chr6_34236223
chr19	45815358	45815358	+	4.943E-12	4.6662E-11	0.298048	hyper	sig	chr19_45815358
chr6	30453330	30453330	+	4.943E-12	4.6662E-11	0.217615	hyper	sig	chr6_30453330
chr2	1.32E+08	131813522	+	4.945E-12	4.6678E-11	-0.22474	hypo	sig	chr2_131813522
chr19	40283959	40283959	+	4.945E-12	4.6684E-11	0.206747	hyper	sig	chr19_40283959
chr3	1.2E+08	119703449	+	4.946E-12	4.6691E-11	0.23745	hyper	sig	chr3_119703449
chr2	2.18E+08	218264042	+	4.949E-12	4.6721E-11	0.201887	hyper	sig	chr2_218264042
chr7	6228989	6228989	+	4.952E-12	4.6746E-11	0.207771	hyper	sig	chr7_6228989
chr8	85438403	85438403	+	4.953E-12	4.675E-11	0.203458	hyper	sig	chr8_85438403
chr12	1.07E+08	106586598	+	4.953E-12	4.6752E-11	0.215995	hyper	sig	chr12_106586598
chr6	28765894	28765894	+	4.954E-12	4.6765E-11	0.221669	hyper	sig	chr6_28765894
chr16	1211315	1211315	+	4.956E-12	4.6782E-11	-0.27028	hypo	sig	chr16_1211315
chr3	13073091	13073091	+	4.958E-12	4.6795E-11	0.247074	hyper	sig	chr3_13073091
chr14	23386776	23386776	+	4.96E-12	4.6816E-11	-0.24075	hypo	sig	chr14_23386776
chr20	21520759	21520759	+	4.96E-12	4.6817E-11	0.283763	hyper	sig	chr20_21520759
chr16	88816873	88816873	+	4.962E-12	4.683E-11	-0.22276	hypo	sig	chr16_88816873
chr8	1.43E+08	142567342	+	4.964E-12	4.685E-11	-0.22147	hypo	sig	chr8_142567342
chr19	15224117	15224117	+	4.964E-12	4.6854E-11	0.306131	hyper	sig	chr19_15224117
chr5	14147581	14147581	+	4.965E-12	4.6858E-11	0.233112	hyper	sig	chr5_14147581
chr18	8366957	8366957	+	4.971E-12	4.6909E-11	-0.20004	hypo	sig	chr18_8366957
chr7	38311373	38311373	+	4.973E-12	4.6929E-11	0.251677	hyper	sig	chr7_38311373
chr17	4901072	4901072	+	4.973E-12	4.6932E-11	0.253813	hyper	sig	chr17_4901072
chr4	61201617	61201617	+	4.973E-12	4.6932E-11	0.203215	hyper	sig	chr4_61201617
chr19	2511721	2511721	+	4.976E-12	4.6959E-11	-0.26789	hypo	sig	chr19_2511721
chr7	1.51E+08	151341405	+	4.981E-12	4.7006E-11	0.334322	hyper	sig	chr7_151341405
chr10	1.3E+08	129884590	+	4.982E-12	4.7009E-11	-0.21599	hypo	sig	chr10_129884590
chr16	31569681	31569681	+	4.984E-12	4.7031E-11	0.261616	hyper	sig	chr16_31569681
chr7	1.59E+08	158974297	+	4.985E-12	4.7035E-11	-0.27743	hypo	sig	chr7_158974297
chr5	1.41E+08	141431554	+	4.986E-12	4.7046E-11	0.258664	hyper	sig	chr5_141431554
chr6	40599578	40599578	+	4.987E-12	4.7053E-11	0.208488	hyper	sig	chr6_40599578
chr17	39687442	39687442	+	4.988E-12	4.7063E-11	-0.24953	hypo	sig	chr17_39687442
chr2	5695979	5695979	+	4.99E-12	4.7078E-11	0.296147	hyper	sig	chr2_5695979
chr16	84836534	84836534	+	4.991E-12	4.7093E-11	0.219672	hyper	sig	chr16_84836534
chr2	74516585	74516585	+	4.993E-12	4.7104E-11	0.266495	hyper	sig	chr2_74516585
chr1	9239950	9239950	+	4.995E-12	4.7122E-11	-0.30064	hypo	sig	chr1_9239950
chr11	1804029	1804029	+	4.996E-12	4.7134E-11	-0.29991	hypo	sig	chr11_1804029
chr15	37104419	37104419	+	4.996E-12	4.7138E-11	0.22451	hyper	sig	chr15_37104419
chr8	1552249	1552249	+	4.997E-12	4.7139E-11	0.258519	hyper	sig	chr8_1552249
chr9	1.22E+08	121698758	+	4.997E-12	4.714E-11	0.272012	hyper	sig	chr9_121698758
chr16	12903375	12903375	+	4.999E-12	4.7161E-11	0.246187	hyper	sig	chr16_12903375
chr11	1.35E+08	134712860	+	5.002E-12	4.7184E-11	-0.24516	hypo	sig	chr11_134712860
chr16	66948958	66948958	+	5.002E-12	4.7186E-11	0.239212	hyper	sig	chr16_66948958
chr10	1.31E+08	131061523	+	5.002E-12	4.7188E-11	-0.20071	hypo	sig	chr10_131061523
chr4	2306238	2306238	+	5.004E-12	4.7203E-11	-0.22947	hypo	sig	chr4_2306238
chr13	1.11E+08	110645178	+	5.007E-12	4.7232E-11	0.255306	hyper	sig	chr13_110645178
chr19	2241131	2241131	+	5.008E-12	4.7245E-11	-0.2571	hypo	sig	chr19_2241131
chr19	42320054	42320054	+	5.009E-12	4.7246E-11	-0.29058	hypo	sig	chr19_42320054
chr2	1.28E+08	128473904	+	5.009E-12	4.7252E-11	-0.20766	hypo	sig	chr2_128473904
chr6	1.08E+08	108166239	+	5.011E-12	4.7264E-11	0.339996	hyper	sig	chr6_108166239
chr18	31724466	31724466	+	5.012E-12	4.7276E-11	0.20164	hyper	sig	chr18_31724466
chr5	1.46E+08	146338918	+	5.012E-12	4.728E-11	0.233773	hyper	sig	chr5_146338918
chr6	1.6E+08	159820487	+	5.014E-12	4.7295E-11	-0.25957	hypo	sig	chr6_159820487
chr1	3244376	3244376	+	5.015E-12	4.7299E-11	0.257646	hyper	sig	chr1_3244376
chr1	17520272	17520272	+	5.016E-12	4.7315E-11	-0.21473	hypo	sig	chr1_17520272
chr1	1.53E+08	153261911	+	5.02E-12	4.7346E-11	0.204492	hyper	sig	chr1_153261911

chr1	2.28E+08	228471340	+	5.021E-12	4.7353E-11	0.247926	hyper	sig	chr1_228471340
chr16	85147443	85147443	+	5.022E-12	4.736E-11	-0.20483	hypo	sig	chr16_85147443
chr12	1.27E+08	127280758	+	5.022E-12	4.7365E-11	0.245565	hyper	sig	chr12_127280758
chr8	1.4E+08	139704831	+	5.024E-12	4.7387E-11	0.253962	hyper	sig	chr8_139704831
chr6	55578937	55578937	+	5.025E-12	4.7389E-11	0.233107	hyper	sig	chr6_55578937
chr1	1.48E+08	148317457	+	5.029E-12	4.7425E-11	0.243891	hyper	sig	chr1_148317457
chr1	19815169	19815169	+	5.029E-12	4.7425E-11	-0.22732	hypo	sig	chr1_19815169
chr8	46134347	46134347	+	5.035E-12	4.7478E-11	-0.22653	hypo	sig	chr8_46134347
chr1	2.36E+08	235642742	+	5.035E-12	4.7481E-11	-0.2905	hypo	sig	chr1_235642742
chr19	49196587	49196587	+	5.039E-12	4.7511E-11	0.345819	hyper	sig	chr19_49196587
chr16	88393138	88393138	+	5.039E-12	4.7512E-11	-0.21642	hypo	sig	chr16_88393138
chr7	1.2E+08	120273752	+	5.042E-12	4.7539E-11	0.20178	hyper	sig	chr7_120273752
chr12	1.2E+08	120397951	+	5.043E-12	4.7547E-11	0.207363	hyper	sig	chr12_120397951
chr19	11674435	11674435	+	5.044E-12	4.7558E-11	0.245179	hyper	sig	chr19_11674435
chr14	69850303	69850303	+	5.047E-12	4.7583E-11	-0.31105	hypo	sig	chr14_69850303
chr9	1.26E+08	126219079	+	5.047E-12	4.7583E-11	-0.25174	hypo	sig	chr9_126219079
chr12	42141064	42141064	+	5.049E-12	4.7603E-11	-0.25282	hypo	sig	chr12_42141064
chr9	1.34E+08	133979522	+	5.051E-12	4.7622E-11	0.29155	hyper	sig	chr9_133979522
chr14	1.01E+08	101232875	+	5.064E-12	4.7744E-11	0.229164	hyper	sig	chr14_101232875
chr19	1401776	1401776	+	5.064E-12	4.7745E-11	0.222704	hyper	sig	chr19_1401776
chr3	1.29E+08	128577215	+	5.065E-12	4.7753E-11	-0.24117	hypo	sig	chr3_128577215
chr5	1.7E+08	170107830	+	5.067E-12	4.7771E-11	-0.23426	hypo	sig	chr5_170107830
chr1	27012495	27012495	+	5.067E-12	4.7773E-11	0.226341	hyper	sig	chr1_27012495
chr13	1.12E+08	112457634	+	5.071E-12	4.7803E-11	-0.23048	hypo	sig	chr13_112457634
chr10	1.31E+08	130748266	+	5.072E-12	4.781E-11	-0.22959	hypo	sig	chr10_130748266
chr4	1.89E+08	188657634	+	5.074E-12	4.783E-11	-0.30396	hypo	sig	chr4_188657634
chr19	46079125	46079125	+	5.079E-12	4.788E-11	0.273979	hyper	sig	chr19_46079125
chr7	1.5E+08	149715247	+	5.081E-12	4.7896E-11	0.202518	hyper	sig	chr7_149715247
chr7	32318836	32318836	+	5.084E-12	4.7927E-11	0.249278	hyper	sig	chr7_32318836
chr2	40452523	40452523	+	5.087E-12	4.7948E-11	0.237991	hyper	sig	chr2_40452523
chr8	1.44E+08	143938609	+	5.089E-12	4.7972E-11	-0.23412	hypo	sig	chr8_143938609
chr11	69470865	69470865	+	5.09E-12	4.798E-11	-0.21535	hypo	sig	chr11_69470865
chr7	27241833	27241833	+	5.092E-12	4.7995E-11	0.222083	hyper	sig	chr7_27241833
chr3	1.54E+08	154427990	+	5.093E-12	4.8005E-11	0.213031	hyper	sig	chr3_154427990
chr17	78140871	78140871	+	5.095E-12	4.802E-11	-0.20501	hypo	sig	chr17_78140871
chr13	1.12E+08	112353246	+	5.098E-12	4.8047E-11	-0.22807	hypo	sig	chr13_112353246
chr17	6996598	6996598	+	5.1E-12	4.8071E-11	0.261705	hyper	sig	chr17_6996598
chr7	1.57E+08	157003157	+	5.101E-12	4.8079E-11	0.235495	hyper	sig	chr7_157003157
chr21	45286905	45286905	+	5.105E-12	4.8108E-11	0.218506	hyper	sig	chr21_45286905
chr7	1.51E+08	151085452	+	5.108E-12	4.8139E-11	0.251146	hyper	sig	chr7_151085452
chr1	1110126	1110126	+	5.111E-12	4.8166E-11	-0.21426	hypo	sig	chr1_1110126
chr1	2.45E+08	245332758	+	5.119E-12	4.8239E-11	-0.20068	hypo	sig	chr1_245332758
chr4	1.11E+08	110629251	+	5.121E-12	4.8252E-11	0.246994	hyper	sig	chr4_110629251
chr2	8515567	8515567	+	5.129E-12	4.8327E-11	-0.20652	hypo	sig	chr2_8515567
chr20	34559889	34559889	+	5.129E-12	4.8327E-11	0.28602	hyper	sig	chr20_34559889
chr2	1.56E+08	156320800	+	5.133E-12	4.8364E-11	0.218735	hyper	sig	chr2_156320800
chr6	29972435	29972435	+	5.134E-12	4.8375E-11	-0.23331	hypo	sig	chr6_29972435
chr3	42936498	42936498	+	5.135E-12	4.8382E-11	0.212525	hyper	sig	chr3_42936498
chr2	46697939	46697939	+	5.144E-12	4.8463E-11	-0.30613	hypo	sig	chr2_46697939
chr3	1.96E+08	195721326	+	5.144E-12	4.8463E-11	-0.21681	hypo	sig	chr3_195721326
chr12	52777081	52777081	+	5.146E-12	4.8487E-11	-0.25524	hypo	sig	chr12_52777081
chr19	40224802	40224802	+	5.15E-12	4.8517E-11	-0.38752	hypo	sig	chr19_40224802
chr10	91633752	91633752	+	5.152E-12	4.8536E-11	0.248391	hyper	sig	chr10_91633752
chr21	46011086	46011086	+	5.154E-12	4.8558E-11	-0.27199	hypo	sig	chr21_46011086
chr7	1.5E+08	150048988	+	5.157E-12	4.8582E-11	0.210383	hyper	sig	chr7_150048988
chr5	1.41E+08	140834253	+	5.158E-12	4.8589E-11	0.214525	hyper	sig	chr5_140834253

chr9	1.35E+08	134872187	+	5.161E-12	4.862E-11	0.218471	hyper	sig	chr9_134872187
chr11	6271666	6271666	+	5.164E-12	4.8652E-11	-0.20533	hypo	sig	chr11_6271666
chr13	51786094	51786094	+	5.168E-12	4.8683E-11	0.236204	hyper	sig	chr13_51786094
chr5	1.41E+08	140823073	+	5.17E-12	4.87E-11	0.224395	hyper	sig	chr5_140823073
chr11	2869357	2869357	+	5.172E-12	4.8717E-11	0.203298	hyper	sig	chr11_2869357
chr5	1.79E+08	179060247	+	5.177E-12	4.8762E-11	0.228578	hyper	sig	chr5_179060247
chr8	1101025	1101025	+	5.18E-12	4.8796E-11	-0.27432	hypo	sig	chr8_1101025
chr2	24827942	24827942	+	5.184E-12	4.883E-11	0.230078	hyper	sig	chr2_24827942
chr7	4260888	4260888	+	5.185E-12	4.8841E-11	0.253908	hyper	sig	chr7_4260888
chr13	24308925	24308925	+	5.187E-12	4.8853E-11	-0.21873	hypo	sig	chr13_24308925
chr14	1.03E+08	102893711	+	5.187E-12	4.8853E-11	0.278233	hyper	sig	chr14_102893711
chr16	85644758	85644758	+	5.188E-12	4.8862E-11	-0.22313	hypo	sig	chr16_85644758
chr17	57045464	57045464	+	5.189E-12	4.8876E-11	0.266858	hyper	sig	chr17_57045464
chr16	1149963	1149963	+	5.189E-12	4.8876E-11	0.229788	hyper	sig	chr16_1149963
chr20	36540960	36540960	+	5.19E-12	4.8881E-11	0.341755	hyper	sig	chr20_36540960
chr20	43916496	43916496	+	5.192E-12	4.8901E-11	0.287297	hyper	sig	chr20_43916496
chr7	923773	923773	+	5.192E-12	4.8902E-11	-0.23237	hypo	sig	chr7_923773
chr14	75470032	75470032	+	5.196E-12	4.8938E-11	0.242076	hyper	sig	chr14_75470032
chr6	57800279	57800279	+	5.199E-12	4.8968E-11	0.23378	hyper	sig	chr6_57800279
chr16	89668722	89668722	+	5.2E-12	4.8969E-11	-0.27432	hypo	sig	chr16_89668722
chr17	39633386	39633386	+	5.2E-12	4.8974E-11	-0.26971	hypo	sig	chr17_39633386
chr15	95327263	95327263	+	5.203E-12	4.8995E-11	0.282371	hyper	sig	chr15_95327263
chr6	43276223	43276223	+	5.203E-12	4.8997E-11	-0.29287	hypo	sig	chr6_43276223
chr17	3924684	3924684	+	5.206E-12	4.9024E-11	0.262312	hyper	sig	chr17_3924684
chr12	1.32E+08	132322929	+	5.212E-12	4.908E-11	0.244957	hyper	sig	chr12_132322929
chr19	12513587	12513587	+	5.215E-12	4.9108E-11	0.349855	hyper	sig	chr19_12513587
chr19	34554627	34554627	+	5.216E-12	4.9122E-11	-0.25276	hypo	sig	chr19_34554627
chr12	75209218	75209218	+	5.224E-12	4.919E-11	0.283927	hyper	sig	chr12_75209218
chr15	27258516	27258516	+	5.227E-12	4.9215E-11	-0.25311	hypo	sig	chr15_27258516
chr1	16520601	16520601	+	5.227E-12	4.9219E-11	0.212675	hyper	sig	chr1_16520601
chr18	57441595	57441595	+	5.23E-12	4.9242E-11	0.221599	hyper	sig	chr18_57441595
chr1	24932188	24932188	+	5.232E-12	4.9261E-11	0.253014	hyper	sig	chr1_24932188
chr15	1.01E+08	100973561	+	5.235E-12	4.9286E-11	0.307291	hyper	sig	chr15_100973561
chr11	70662094	70662094	+	5.24E-12	4.9337E-11	0.2557	hyper	sig	chr11_70662094
chr12	1.21E+08	120649557	+	5.246E-12	4.9391E-11	0.201078	hyper	sig	chr12_120649557
chr10	21510167	21510167	+	5.248E-12	4.9404E-11	0.216912	hyper	sig	chr10_21510167
chr1	11692342	11692342	+	5.248E-12	4.9405E-11	0.213099	hyper	sig	chr1_11692342
chr2	1.89E+08	188944689	+	5.249E-12	4.9421E-11	-0.2339	hypo	sig	chr2_188944689
chr5	1.77E+08	177328396	+	5.252E-12	4.9439E-11	-0.20023	hypo	sig	chr5_177328396
chr2	63057658	63057658	+	5.253E-12	4.9448E-11	0.261266	hyper	sig	chr2_63057658
chr9	1.28E+08	128409009	+	5.26E-12	4.9515E-11	0.292056	hyper	sig	chr9_128409009
chr2	1.06E+08	106342866	+	5.261E-12	4.9525E-11	-0.22452	hypo	sig	chr2_106342866
chr1	16521150	16521150	+	5.261E-12	4.9527E-11	0.256968	hyper	sig	chr1_16521150
chr8	1.2E+08	120124691	+	5.262E-12	4.9531E-11	0.237672	hyper	sig	chr8_120124691
chr17	7447079	7447079	+	5.262E-12	4.9537E-11	0.230236	hyper	sig	chr17_7447079
chr9	970511	970511	+	5.263E-12	4.954E-11	0.267705	hyper	sig	chr9_970511
chr1	2.25E+08	224618133	+	5.265E-12	4.9561E-11	0.253849	hyper	sig	chr1_224618133
chr11	2211974	2211974	+	5.266E-12	4.9568E-11	-0.31938	hypo	sig	chr11_2211974
chr22	49631825	49631825	+	5.27E-12	4.9604E-11	-0.28125	hypo	sig	chr22_49631825
chr8	1.32E+08	132249841	+	5.272E-12	4.9618E-11	-0.25592	hypo	sig	chr8_132249841
chr6	27261000	27261000	+	5.273E-12	4.9628E-11	0.215499	hyper	sig	chr6_27261000
chr2	1480381	1480381	+	5.281E-12	4.9698E-11	-0.26809	hypo	sig	chr2_1480381
chr11	32428490	32428490	+	5.281E-12	4.97E-11	0.299582	hyper	sig	chr11_32428490
chr19	34554660	34554660	+	5.284E-12	4.9724E-11	-0.2194	hypo	sig	chr19_34554660
chr3	1.6E+08	159840242	+	5.29E-12	4.978E-11	0.246406	hyper	sig	chr3_159840242
chr8	921597	921597	+	5.29E-12	4.9781E-11	-0.33032	hypo	sig	chr8_921597

chr19	52453978	52453978	+	5.293E-12	4.9813E-11	0.34261	hyper	sig	chr19_52453978
chr6	38722833	38722833	+	5.297E-12	4.9849E-11	-0.25366	hypo	sig	chr6_38722833
chr10	1.32E+08	132068375	+	5.298E-12	4.9858E-11	-0.21034	hypo	sig	chr10_132068375
chr22	29581820	29581820	+	5.299E-12	4.9864E-11	-0.23297	hypo	sig	chr22_29581820
chr1	27350592	27350592	+	5.301E-12	4.9877E-11	0.255111	hyper	sig	chr1_27350592
chr14	28765762	28765762	+	5.304E-12	4.9905E-11	0.235813	hyper	sig	chr14_28765762
chr14	1.05E+08	104564856	+	5.305E-12	4.9918E-11	-0.20446	hypo	sig	chr14_104564856
chr11	2909288	2909288	+	5.309E-12	4.995E-11	0.284917	hyper	sig	chr11_2909288
chr20	45304564	45304564	+	5.311E-12	4.9972E-11	0.266736	hyper	sig	chr20_45304564
chr15	43210836	43210836	+	5.313E-12	4.9984E-11	-0.20277	hypo	sig	chr15_43210836
chr18	50725966	50725966	+	5.313E-12	4.9987E-11	-0.23571	hypo	sig	chr18_50725966
chr1	18965397	18965397	+	5.317E-12	5.0024E-11	-0.26121	hypo	sig	chr1_18965397
chr5	1.41E+08	140870883	+	5.317E-12	5.0027E-11	0.220843	hyper	sig	chr5_140870883
chr12	1.33E+08	132838075	+	5.319E-12	5.0038E-11	0.328665	hyper	sig	chr12_132838075
chr7	4769333	4769333	+	5.321E-12	5.006E-11	0.21362	hyper	sig	chr7_4769333
chr7	73886607	73886607	+	5.325E-12	5.0094E-11	0.273401	hyper	sig	chr7_73886607
chr18	77250938	77250938	+	5.326E-12	5.0108E-11	0.302653	hyper	sig	chr18_77250938
chr7	1.56E+08	156466513	+	5.328E-12	5.012E-11	0.252193	hyper	sig	chr7_156466513
chr18	47248681	47248681	+	5.328E-12	5.0123E-11	0.20232	hyper	sig	chr18_47248681
chr15	89221664	89221664	+	5.332E-12	5.0156E-11	-0.22617	hypo	sig	chr15_89221664
chr22	49324366	49324366	+	5.335E-12	5.0185E-11	-0.31672	hypo	sig	chr22_49324366
chr14	1.01E+08	101456848	+	5.337E-12	5.0202E-11	0.202224	hyper	sig	chr14_101456848
chr7	1.58E+08	158450769	+	5.338E-12	5.0212E-11	-0.25728	hypo	sig	chr7_158450769
chr2	1.76E+08	176133018	+	5.338E-12	5.0214E-11	-0.23758	hypo	sig	chr2_176133018
chr14	94775615	94775615	+	5.341E-12	5.0237E-11	0.303935	hyper	sig	chr14_94775615
chr17	68198928	68198928	+	5.342E-12	5.0248E-11	0.246548	hyper	sig	chr17_68198928
chr1	2043344	2043344	+	5.343E-12	5.0254E-11	-0.25025	hypo	sig	chr1_2043344
chr3	1.25E+08	125141951	+	5.343E-12	5.026E-11	0.25026	hyper	sig	chr3_125141951
chr15	93066188	93066188	+	5.344E-12	5.027E-11	0.225267	hyper	sig	chr15_93066188
chr7	1054687	1054687	+	5.348E-12	5.0301E-11	0.266884	hyper	sig	chr7_1054687
chr12	57165956	57165956	+	5.35E-12	5.0319E-11	-0.25692	hypo	sig	chr12_57165956
chr2	88284079	88284079	+	5.356E-12	5.0373E-11	0.294085	hyper	sig	chr2_88284079
chr11	44311608	44311608	+	5.365E-12	5.0456E-11	0.200925	hyper	sig	chr11_44311608
chr16	67156029	67156029	+	5.366E-12	5.0466E-11	0.240585	hyper	sig	chr16_67156029
chr9	65406501	65406501	+	5.37E-12	5.0499E-11	-0.29961	hypo	sig	chr9_65406501
chr5	679792	679792	+	5.371E-12	5.0514E-11	-0.31012	hypo	sig	chr5_679792
chr19	35861557	35861557	+	5.372E-12	5.0519E-11	0.252851	hyper	sig	chr19_35861557
chr1	40318666	40318666	+	5.377E-12	5.0566E-11	-0.23263	hypo	sig	chr1_40318666
chr14	96615544	96615544	+	5.379E-12	5.058E-11	-0.2567	hypo	sig	chr14_96615544
chr7	1.51E+08	150976922	+	5.379E-12	5.0581E-11	0.279662	hyper	sig	chr7_150976922
chr17	79748697	79748697	+	5.379E-12	5.0582E-11	0.216957	hyper	sig	chr17_79748697
chr16	3256754	3256754	+	5.381E-12	5.0594E-11	-0.26439	hypo	sig	chr16_3256754
chr4	41880635	41880635	+	5.381E-12	5.0601E-11	0.206649	hyper	sig	chr4_41880635
chr16	4796155	4796155	+	5.382E-12	5.0607E-11	-0.26599	hypo	sig	chr16_4796155
chr7	4725203	4725203	+	5.383E-12	5.0616E-11	0.241858	hyper	sig	chr7_4725203
chr17	48605702	48605702	+	5.383E-12	5.0618E-11	-0.247	hypo	sig	chr17_48605702
chr10	1.32E+08	132164843	+	5.385E-12	5.0634E-11	-0.24336	hypo	sig	chr10_132164843
chr16	1146657	1146657	+	5.386E-12	5.0643E-11	-0.2507	hypo	sig	chr16_1146657
chr5	1.41E+08	140870860	+	5.39E-12	5.0675E-11	0.237338	hyper	sig	chr5_140870860
chr20	44750304	44750304	+	5.39E-12	5.0676E-11	0.244208	hyper	sig	chr20_44750304
chr15	96366122	96366122	+	5.391E-12	5.0688E-11	0.201773	hyper	sig	chr15_96366122
chr17	4656784	4656784	+	5.393E-12	5.0699E-11	0.23067	hyper	sig	chr17_4656784
chr19	53521251	53521251	+	5.394E-12	5.0714E-11	0.224177	hyper	sig	chr19_53521251
chr7	73742960	73742960	+	5.396E-12	5.0731E-11	-0.22978	hypo	sig	chr7_73742960
chr16	67654793	67654793	+	5.397E-12	5.0738E-11	0.261088	hyper	sig	chr16_67654793
chr8	22557057	22557057	+	5.399E-12	5.0753E-11	-0.2749	hypo	sig	chr8_22557057

chr10	1.32E+08	131676177	+	5.4E-12	5.077E-11	-0.23777	hypo	sig	chr10_131676177
chr11	1.23E+08	123431409	+	5.404E-12	5.0801E-11	0.214054	hyper	sig	chr11_123431409
chr19	53329174	53329174	+	5.405E-12	5.0809E-11	0.332365	hyper	sig	chr19_53329174
chr5	1.41E+08	141384942	+	5.41E-12	5.0855E-11	0.202397	hyper	sig	chr5_141384942
chr5	1.73E+08	173244742	+	5.411E-12	5.0862E-11	0.297735	hyper	sig	chr5_173244742
chr1	2.07E+08	207496311	+	5.413E-12	5.0884E-11	0.223043	hyper	sig	chr1_207496311
chr2	1.86E+08	185738666	+	5.426E-12	5.1001E-11	0.250328	hyper	sig	chr2_185738666
chr1	1.56E+08	156153519	+	5.428E-12	5.1018E-11	-0.22986	hypo	sig	chr1_156153519
chr3	13011768	13011768	+	5.428E-12	5.102E-11	-0.23409	hypo	sig	chr3_13011768
chr10	1.28E+08	128470539	+	5.431E-12	5.1042E-11	-0.23796	hypo	sig	chr10_128470539
chr21	26846634	26846634	+	5.431E-12	5.1042E-11	0.249216	hyper	sig	chr21_26846634
chr8	1.42E+08	141622376	+	5.434E-12	5.1069E-11	-0.3107	hypo	sig	chr8_141622376
chr12	1.27E+08	127280940	+	5.437E-12	5.1103E-11	0.214159	hyper	sig	chr12_127280940
chr8	67952334	67952334	+	5.439E-12	5.112E-11	0.292322	hyper	sig	chr8_67952334
chr17	48573888	48573888	+	5.441E-12	5.114E-11	0.224459	hyper	sig	chr17_48573888
chr20	35174876	35174876	+	5.443E-12	5.1156E-11	-0.22427	hypo	sig	chr20_35174876
chr17	5772717	5772717	+	5.444E-12	5.1165E-11	-0.26276	hypo	sig	chr17_5772717
chr2	2.42E+08	241926912	+	5.444E-12	5.1166E-11	-0.21886	hypo	sig	chr2_241926912
chr11	1310615	1310615	+	5.446E-12	5.1176E-11	-0.22428	hypo	sig	chr11_1310615
chr10	1.33E+08	133036793	+	5.447E-12	5.1187E-11	-0.21222	hypo	sig	chr10_133036793
chr2	1494235	1494235	+	5.448E-12	5.1192E-11	-0.20804	hypo	sig	chr2_1494235
chr5	23691243	23691243	+	5.451E-12	5.1222E-11	-0.25315	hypo	sig	chr5_23691243
chr22	36322406	36322406	+	5.452E-12	5.1232E-11	0.20216	hyper	sig	chr22_36322406
chr17	34039505	34039505	+	5.453E-12	5.124E-11	0.259711	hyper	sig	chr17_34039505
chr19	56507278	56507278	+	5.454E-12	5.1245E-11	0.233924	hyper	sig	chr19_56507278
chr17	67246876	67246876	+	5.455E-12	5.1256E-11	-0.27906	hypo	sig	chr17_67246876
chr22	49937033	49937033	+	5.456E-12	5.1267E-11	0.230961	hyper	sig	chr22_49937033
chr10	69416784	69416784	+	5.456E-12	5.1268E-11	0.226866	hyper	sig	chr10_69416784
chr1	20343348	20343348	+	5.458E-12	5.1284E-11	0.244421	hyper	sig	chr1_20343348
chr11	15114998	15114998	+	5.46E-12	5.13E-11	0.230493	hyper	sig	chr11_15114998
chr16	54291644	54291644	+	5.461E-12	5.1309E-11	0.279281	hyper	sig	chr16_54291644
chr3	1.28E+08	128426314	+	5.463E-12	5.1329E-11	0.219535	hyper	sig	chr3_128426314
chr13	24328322	24328322	+	5.467E-12	5.1367E-11	0.210468	hyper	sig	chr13_24328322
chr7	1.01E+08	100641557	+	5.467E-12	5.1367E-11	-0.23385	hypo	sig	chr7_100641557
chr14	24132556	24132556	+	5.469E-12	5.1385E-11	-0.23112	hypo	sig	chr14_24132556
chr12	34342569	34342569	+	5.47E-12	5.1393E-11	-0.28107	hypo	sig	chr12_34342569
chr14	73713494	73713494	+	5.471E-12	5.1403E-11	0.214315	hyper	sig	chr14_73713494
chr1	3267608	3267608	+	5.472E-12	5.1407E-11	-0.25648	hypo	sig	chr1_3267608
chr19	1397290	1397290	+	5.474E-12	5.1422E-11	-0.27986	hypo	sig	chr19_1397290
chr2	2E+08	199603886	+	5.474E-12	5.1423E-11	0.208761	hyper	sig	chr2_199603886
chr5	77632649	77632649	+	5.478E-12	5.1459E-11	0.251764	hyper	sig	chr5_77632649
chr3	48224949	48224949	+	5.478E-12	5.1463E-11	-0.21905	hypo	sig	chr3_48224949
chr3	32819781	32819781	+	5.479E-12	5.1466E-11	0.249368	hyper	sig	chr3_32819781
chr15	24773080	24773080	+	5.483E-12	5.1506E-11	0.221008	hyper	sig	chr15_24773080
chr19	41113017	41113017	+	5.488E-12	5.1553E-11	-0.28219	hypo	sig	chr19_41113017
chr1	41914670	41914670	+	5.491E-12	5.1577E-11	-0.20508	hypo	sig	chr1_41914670
chr8	78762397	78762397	+	5.494E-12	5.1608E-11	0.228536	hyper	sig	chr8_78762397
chr18	10471734	10471734	+	5.496E-12	5.1622E-11	-0.23059	hypo	sig	chr18_10471734
chr1	27403297	27403297	+	5.501E-12	5.1662E-11	0.221767	hyper	sig	chr1_27403297
chr3	1.47E+08	147359723	+	5.501E-12	5.1665E-11	0.227656	hyper	sig	chr3_147359723
chr8	46197370	46197370	+	5.503E-12	5.1689E-11	-0.24354	hypo	sig	chr8_46197370
chr9	37938610	37938610	+	5.506E-12	5.171E-11	0.283215	hyper	sig	chr9_37938610
chr16	3183517	3183517	+	5.511E-12	5.1758E-11	0.21366	hyper	sig	chr16_3183517
chr20	63120577	63120577	+	5.512E-12	5.1767E-11	-0.23968	hypo	sig	chr20_63120577
chr1	6329993	6329993	+	5.516E-12	5.1799E-11	0.271282	hyper	sig	chr1_6329993
chr2	2.02E+08	202171547	+	5.517E-12	5.1805E-11	0.259688	hyper	sig	chr2_202171547

chr22	32412799	32412799	+	5.517E-12	5.1807E-11	-0.21026	hypo	sig	chr22_32412799
chr10	1.33E+08	133158407	+	5.517E-12	5.1809E-11	-0.21428	hypo	sig	chr10_133158407
chr7	8435854	8435854	+	5.522E-12	5.185E-11	0.258594	hyper	sig	chr7_8435854
chr2	1413385	1413385	+	5.522E-12	5.1853E-11	-0.2062	hypo	sig	chr2_1413385
chr3	57152260	57152260	+	5.522E-12	5.1855E-11	0.21542	hyper	sig	chr3_57152260
chr19	2866023	2866023	+	5.523E-12	5.1863E-11	-0.26408	hypo	sig	chr19_2866023
chr7	55449387	55449387	+	5.524E-12	5.1871E-11	0.268998	hyper	sig	chr7_55449387
chr20	327672	327672	+	5.526E-12	5.1888E-11	0.288371	hyper	sig	chr20_327672
chr6	50850143	50850143	+	5.526E-12	5.1888E-11	0.219224	hyper	sig	chr6_50850143
chr20	63499820	63499820	+	5.527E-12	5.1896E-11	0.286924	hyper	sig	chr20_63499820
chr5	1549412	1549412	+	5.533E-12	5.1951E-11	-0.24087	hypo	sig	chr5_1549412
chr1	9198604	9198604	+	5.534E-12	5.1957E-11	0.231407	hyper	sig	chr1_9198604
chr11	1.18E+08	117529753	+	5.543E-12	5.2036E-11	-0.26194	hypo	sig	chr11_117529753
chr18	51112097	51112097	+	5.544E-12	5.2047E-11	-0.21052	hypo	sig	chr18_51112097
chr16	84827339	84827339	+	5.546E-12	5.2062E-11	0.218787	hyper	sig	chr16_84827339
chr17	31490110	31490110	+	5.547E-12	5.2078E-11	-0.22192	hypo	sig	chr17_31490110
chr5	77638534	77638534	+	5.55E-12	5.2102E-11	0.250867	hyper	sig	chr5_77638534
chr16	31330527	31330527	+	5.554E-12	5.2133E-11	0.284048	hyper	sig	chr16_31330527
chr9	1.38E+08	137955714	+	5.558E-12	5.2174E-11	-0.21272	hypo	sig	chr9_137955714
chr9	1042850	1042850	+	5.56E-12	5.219E-11	0.203682	hyper	sig	chr9_1042850
chr14	1.05E+08	105249383	+	5.566E-12	5.2251E-11	0.238519	hyper	sig	chr14_105249383
chr11	1.34E+08	134393347	+	5.567E-12	5.226E-11	-0.21289	hypo	sig	chr11_134393347
chr16	54290237	54290237	+	5.568E-12	5.2266E-11	0.224926	hyper	sig	chr16_54290237
chr16	85892027	85892027	+	5.573E-12	5.2311E-11	-0.28546	hypo	sig	chr16_85892027
chr7	23710090	23710090	+	5.575E-12	5.2329E-11	-0.24021	hypo	sig	chr7_23710090
chr22	29582004	29582004	+	5.579E-12	5.2361E-11	-0.22731	hypo	sig	chr22_29582004
chr9	1.24E+08	124476877	+	5.579E-12	5.2364E-11	-0.28455	hypo	sig	chr9_124476877
chr5	63961623	63961623	+	5.58E-12	5.2368E-11	0.325466	hyper	sig	chr5_63961623
chr16	55328826	55328826	+	5.581E-12	5.2378E-11	0.250462	hyper	sig	chr16_55328826
chr5	1.41E+08	141399778	+	5.582E-12	5.2384E-11	0.221423	hyper	sig	chr5_141399778
chr7	96999651	96999651	+	5.589E-12	5.2446E-11	0.202897	hyper	sig	chr7_96999651
chr12	1.28E+08	128267748	+	5.592E-12	5.248E-11	0.243073	hyper	sig	chr12_128267748
chr13	1.02E+08	101919967	+	5.594E-12	5.2495E-11	0.224465	hyper	sig	chr13_101919967
chr17	897091	897091	+	5.595E-12	5.2499E-11	0.247516	hyper	sig	chr17_897091
chr5	1.77E+08	176887475	+	5.595E-12	5.2499E-11	-0.21049	hypo	sig	chr5_176887475
chr19	35844456	35844456	+	5.595E-12	5.2503E-11	0.22306	hyper	sig	chr19_35844456
chr19	35558861	35558861	+	5.596E-12	5.2508E-11	0.309645	hyper	sig	chr19_35558861
chr8	41308718	41308718	+	5.596E-12	5.2513E-11	0.30362	hyper	sig	chr8_41308718
chr17	79145014	79145014	+	5.597E-12	5.2516E-11	-0.29303	hypo	sig	chr17_79145014
chr10	1.23E+08	123147000	+	5.601E-12	5.2552E-11	0.215876	hyper	sig	chr10_123147000
chr15	55589029	55589029	+	5.604E-12	5.2581E-11	0.260501	hyper	sig	chr15_55589029
chr13	98172097	98172097	+	5.604E-12	5.2585E-11	0.313712	hyper	sig	chr13_98172097
chr19	46468070	46468070	+	5.606E-12	5.2601E-11	-0.30584	hypo	sig	chr19_46468070
chr6	6004041	6004041	+	5.608E-12	5.2614E-11	0.275257	hyper	sig	chr6_6004041
chr11	65585945	65585945	+	5.61E-12	5.2638E-11	0.232899	hyper	sig	chr11_65585945
chr2	1.77E+08	176638876	+	5.614E-12	5.2672E-11	-0.21285	hypo	sig	chr2_176638876
chr17	7855492	7855492	+	5.621E-12	5.273E-11	0.292925	hyper	sig	chr17_7855492
chr2	2.2E+08	219515163	+	5.623E-12	5.2752E-11	-0.21123	hypo	sig	chr2_219515163
chr1	34166517	34166517	+	5.624E-12	5.2759E-11	0.208045	hyper	sig	chr1_34166517
chr10	1.11E+08	110644980	+	5.625E-12	5.2772E-11	0.221344	hyper	sig	chr10_110644980
chr8	546542	546542	+	5.627E-12	5.2785E-11	0.212543	hyper	sig	chr8_546542
chr11	73309684	73309684	+	5.629E-12	5.2806E-11	0.265846	hyper	sig	chr11_73309684
chr3	1.84E+08	184384650	+	5.632E-12	5.2831E-11	-0.23623	hypo	sig	chr3_184384650
chr8	1.42E+08	142174070	+	5.634E-12	5.2849E-11	-0.20372	hypo	sig	chr8_142174070
chr12	57630299	57630299	+	5.636E-12	5.2864E-11	-0.27492	hypo	sig	chr12_57630299
chr1	3063912	3063912	+	5.637E-12	5.287E-11	0.242747	hyper	sig	chr1_3063912

chr2	1.35E+08	134718184	+	5.638E-12	5.2882E-11	0.286703	hyper	sig	chr2_134718184
chr4	11427275	11427275	+	5.638E-12	5.2885E-11	0.253812	hyper	sig	chr4_11427275
chr3	1.45E+08	144749878	+	5.639E-12	5.2891E-11	-0.21116	hypo	sig	chr3_144749878
chr7	1.57E+08	157006457	+	5.643E-12	5.293E-11	0.215144	hyper	sig	chr7_157006457
chr10	22335050	22335050	+	5.65E-12	5.2988E-11	0.259769	hyper	sig	chr10_22335050
chr5	63960492	63960492	+	5.65E-12	5.2992E-11	0.227674	hyper	sig	chr5_63960492
chr7	90321215	90321215	+	5.651E-12	5.3001E-11	0.219325	hyper	sig	chr7_90321215
chr7	1.59E+08	158979107	+	5.651E-12	5.3001E-11	-0.22814	hypo	sig	chr7_158979107
chr2	1.3E+08	130373263	+	5.652E-12	5.3003E-11	-0.26907	hypo	sig	chr2_130373263
chr7	1.29E+08	128903345	+	5.664E-12	5.3112E-11	-0.24534	hypo	sig	chr7_128903345
chr21	42669032	42669032	+	5.666E-12	5.3136E-11	0.279782	hyper	sig	chr21_42669032
chr1	6461191	6461191	+	5.669E-12	5.3159E-11	0.217474	hyper	sig	chr1_6461191
chr14	90518187	90518187	+	5.68E-12	5.3256E-11	0.270791	hyper	sig	chr14_90518187
chr18	9535841	9535841	+	5.685E-12	5.3306E-11	0.234784	hyper	sig	chr18_9535841
chr4	1.72E+08	171813291	+	5.689E-12	5.3341E-11	0.238662	hyper	sig	chr4_171813291
chr1	2037822	2037822	+	5.696E-12	5.3401E-11	-0.35105	hypo	sig	chr1_2037822
chr7	44313993	44313993	+	5.7E-12	5.3435E-11	-0.20764	hypo	sig	chr7_44313993
chr5	1.41E+08	141423194	+	5.704E-12	5.3477E-11	0.240721	hyper	sig	chr5_141423194
chr9	1.19E+08	119369784	+	5.705E-12	5.3483E-11	0.202435	hyper	sig	chr9_119369784
chr19	45935632	45935632	+	5.706E-12	5.3488E-11	-0.20711	hypo	sig	chr19_45935632
chr5	1.41E+08	141419354	+	5.707E-12	5.3496E-11	0.266788	hyper	sig	chr5_141419354
chr8	38713222	38713222	+	5.71E-12	5.3522E-11	0.228184	hyper	sig	chr8_38713222
chr16	55053313	55053313	+	5.713E-12	5.3555E-11	-0.22621	hypo	sig	chr16_55053313
chr9	1.38E+08	137762962	+	5.719E-12	5.361E-11	0.245882	hyper	sig	chr9_137762962
chr16	4332836	4332836	+	5.722E-12	5.3628E-11	-0.25604	hypo	sig	chr16_4332836
chr21	46661392	46661392	+	5.725E-12	5.3659E-11	0.284476	hyper	sig	chr21_46661392
chr1	1.81E+08	181483817	+	5.73E-12	5.3704E-11	0.227993	hyper	sig	chr1_181483817
chr4	8345803	8345803	+	5.732E-12	5.3719E-11	-0.26133	hypo	sig	chr4_8345803
chr20	21397562	21397562	+	5.732E-12	5.3722E-11	0.22454	hyper	sig	chr20_21397562
chr16	1145373	1145373	+	5.734E-12	5.374E-11	-0.27093	hypo	sig	chr16_1145373
chr1	2.02E+08	202161227	+	5.735E-12	5.3749E-11	-0.26038	hypo	sig	chr1_202161227
chr2	1.76E+08	176110216	+	5.736E-12	5.3758E-11	-0.24513	hypo	sig	chr2_176110216
chr1	2.3E+08	229570506	+	5.743E-12	5.3819E-11	-0.28641	hypo	sig	chr1_229570506
chr16	160839	160839	+	5.743E-12	5.382E-11	-0.26756	hypo	sig	chr16_160839
chr7	73231872	73231872	+	5.745E-12	5.384E-11	-0.23161	hypo	sig	chr7_73231872
chr14	74603634	74603634	+	5.749E-12	5.3874E-11	-0.25477	hypo	sig	chr14_74603634
chr20	64058818	64058818	+	5.754E-12	5.3921E-11	-0.28232	hypo	sig	chr20_64058818
chr15	96416944	96416944	+	5.756E-12	5.3933E-11	0.251989	hyper	sig	chr15_96416944
chr2	2.42E+08	242004718	+	5.758E-12	5.3955E-11	-0.23695	hypo	sig	chr2_242004718
chr3	62371162	62371162	+	5.759E-12	5.3959E-11	0.307878	hyper	sig	chr3_62371162
chr8	1.43E+08	142563800	+	5.761E-12	5.398E-11	-0.22825	hypo	sig	chr8_142563800
chr17	36939754	36939754	+	5.763E-12	5.3998E-11	0.224786	hyper	sig	chr17_36939754
chr1	2.28E+08	228158463	+	5.766E-12	5.4018E-11	0.224549	hyper	sig	chr1_228158463
chr6	1.34E+08	134176302	+	5.767E-12	5.4027E-11	0.229133	hyper	sig	chr6_134176302
chr20	62003138	62003138	+	5.768E-12	5.4042E-11	-0.20875	hypo	sig	chr20_62003138
chr16	81215105	81215105	+	5.771E-12	5.4062E-11	-0.28181	hypo	sig	chr16_81215105
chr3	62371099	62371099	+	5.78E-12	5.4153E-11	0.287932	hyper	sig	chr3_62371099
chr2	74516387	74516387	+	5.783E-12	5.4173E-11	0.230809	hyper	sig	chr2_74516387
chr5	79689728	79689728	+	5.783E-12	5.4173E-11	0.384176	hyper	sig	chr5_79689728
chr22	30267052	30267052	+	5.785E-12	5.4193E-11	-0.24409	hypo	sig	chr22_30267052
chr2	2.32E+08	231927104	+	5.788E-12	5.4223E-11	0.215081	hyper	sig	chr2_231927104
chr13	1.11E+08	111116046	+	5.789E-12	5.4227E-11	0.203995	hyper	sig	chr13_111116046
chr6	1.7E+08	170423066	+	5.791E-12	5.4247E-11	0.25582	hyper	sig	chr6_170423066
chr2	70889635	70889635	+	5.794E-12	5.4271E-11	0.234934	hyper	sig	chr2_70889635
chr10	1.32E+08	132061335	+	5.796E-12	5.4287E-11	-0.20824	hypo	sig	chr10_132061335
chr16	84149132	84149132	+	5.797E-12	5.4296E-11	-0.21659	hypo	sig	chr16_84149132

chr8	1.44E+08	143542109	+	5.798E-12	5.4308E-11	0.23926	hyper	sig	chr8_143542109
chr12	1.15E+08	114687128	+	5.802E-12	5.4347E-11	0.250321	hyper	sig	chr12_114687128
chr10	1.33E+08	133062301	+	5.808E-12	5.4397E-11	-0.23621	hypo	sig	chr10_133062301
chr19	4323197	4323197	+	5.812E-12	5.4436E-11	-0.20795	hypo	sig	chr19_4323197
chr1	1.17E+08	117093917	+	5.815E-12	5.4468E-11	-0.2042	hypo	sig	chr1_117093917
chr12	1.03E+08	102951163	+	5.823E-12	5.4534E-11	0.225943	hyper	sig	chr12_102951163
chr17	82311257	82311257	+	5.824E-12	5.4551E-11	-0.22926	hypo	sig	chr17_82311257
chr2	1.45E+08	144524663	+	5.831E-12	5.4613E-11	0.228096	hyper	sig	chr2_144524663
chr4	41882520	41882520	+	5.832E-12	5.4624E-11	0.248624	hyper	sig	chr4_41882520
chr7	55449385	55449385	+	5.843E-12	5.4716E-11	0.266972	hyper	sig	chr7_55449385
chr6	24495829	24495829	+	5.843E-12	5.4723E-11	0.254355	hyper	sig	chr6_24495829
chr10	1.32E+08	131937896	+	5.846E-12	5.4742E-11	0.205712	hyper	sig	chr10_131937896
chr17	75723631	75723631	+	5.847E-12	5.4758E-11	-0.23004	hypo	sig	chr17_75723631
chr7	946014	946014	+	5.851E-12	5.4786E-11	-0.24225	hypo	sig	chr7_946014
chr8	41725823	41725823	+	5.853E-12	5.481E-11	0.279184	hyper	sig	chr8_41725823
chr21	44933674	44933674	+	5.858E-12	5.4851E-11	-0.29249	hypo	sig	chr21_44933674
chr20	58466609	58466609	+	5.863E-12	5.4901E-11	-0.24868	hypo	sig	chr20_58466609
chr3	1.98E+08	197520349	+	5.864E-12	5.4907E-11	-0.26856	hypo	sig	chr3_197520349
chr14	1.01E+08	101453392	+	5.868E-12	5.4947E-11	-0.31872	hypo	sig	chr14_101453392
chr16	67163168	67163168	+	5.872E-12	5.498E-11	0.238904	hyper	sig	chr16_67163168
chr16	88154967	88154967	+	5.872E-12	5.4981E-11	-0.25719	hypo	sig	chr16_88154967
chr2	68320037	68320037	+	5.874E-12	5.4993E-11	0.265515	hyper	sig	chr2_68320037
chr11	637493	637493	+	5.874E-12	5.4999E-11	0.233101	hyper	sig	chr11_637493
chr22	16602495	16602495	+	5.874E-12	5.4999E-11	0.239177	hyper	sig	chr22_16602495
chr7	794798	794798	+	5.878E-12	5.5035E-11	-0.22243	hypo	sig	chr7_794798
chr6	1.25E+08	125155124	+	5.881E-12	5.506E-11	-0.23467	hypo	sig	chr6_125155124
chr5	1859626	1859626	+	5.884E-12	5.5089E-11	-0.23158	hypo	sig	chr5_1859626
chr4	1.24E+08	123547375	+	5.888E-12	5.5118E-11	-0.21677	hypo	sig	chr4_123547375
chr20	5911357	5911357	+	5.891E-12	5.5151E-11	0.228856	hyper	sig	chr20_5911357
chr11	1853219	1853219	+	5.897E-12	5.5207E-11	-0.22567	hypo	sig	chr11_1853219
chr5	1.35E+08	135014415	+	5.899E-12	5.5217E-11	0.217522	hyper	sig	chr5_135014415
chr2	11785183	11785183	+	5.9E-12	5.5229E-11	0.232543	hyper	sig	chr2_11785183
chr11	74731828	74731828	+	5.901E-12	5.5241E-11	0.215729	hyper	sig	chr11_74731828
chr16	8885176	8885176	+	5.901E-12	5.5241E-11	-0.22204	hypo	sig	chr16_8885176
chr18	37253611	37253611	+	5.902E-12	5.5244E-11	0.315601	hyper	sig	chr18_37253611
chr11	1748415	1748415	+	5.902E-12	5.525E-11	0.252626	hyper	sig	chr11_1748415
chr7	8441846	8441846	+	5.909E-12	5.5305E-11	0.255615	hyper	sig	chr7_8441846
chr3	1.35E+08	134793555	+	5.909E-12	5.5311E-11	-0.30289	hypo	sig	chr3_134793555
chr19	55452713	55452713	+	5.909E-12	5.5312E-11	0.325824	hyper	sig	chr19_55452713
chr10	47375344	47375344	+	5.913E-12	5.5347E-11	0.23821	hyper	sig	chr10_47375344
chr5	1.62E+08	161545925	+	5.914E-12	5.5352E-11	0.207671	hyper	sig	chr5_161545925
chr16	86931789	86931789	+	5.918E-12	5.5388E-11	0.214465	hyper	sig	chr16_86931789
chr17	44559223	44559223	+	5.919E-12	5.54E-11	0.271213	hyper	sig	chr17_44559223
chr2	66445728	66445728	+	5.92E-12	5.5404E-11	0.216129	hyper	sig	chr2_66445728
chr16	70688551	70688551	+	5.921E-12	5.5417E-11	0.236554	hyper	sig	chr16_70688551
chr13	76190124	76190124	+	5.925E-12	5.5452E-11	-0.28676	hypo	sig	chr13_76190124
chr19	18007425	18007425	+	5.93E-12	5.5497E-11	0.208513	hyper	sig	chr19_18007425
chr16	30821137	30821137	+	5.932E-12	5.5518E-11	-0.28385	hypo	sig	chr16_30821137
chr11	1.29E+08	128760164	+	5.934E-12	5.5531E-11	-0.23232	hypo	sig	chr11_128760164
chr16	85643298	85643298	+	5.94E-12	5.5581E-11	-0.22921	hypo	sig	chr16_85643298
chr11	64291347	64291347	+	5.942E-12	5.5599E-11	0.254115	hyper	sig	chr11_64291347
chr5	1.41E+08	141427649	+	5.943E-12	5.5615E-11	0.230375	hyper	sig	chr5_141427649
chr15	62221851	62221851	+	5.955E-12	5.5718E-11	-0.24078	hypo	sig	chr15_62221851
chr8	1759247	1759247	+	5.958E-12	5.5745E-11	0.231828	hyper	sig	chr8_1759247
chr7	1.07E+08	107041221	+	5.962E-12	5.5781E-11	-0.22662	hypo	sig	chr7_107041221
chr22	27615199	27615199	+	5.965E-12	5.5812E-11	-0.31398	hypo	sig	chr22_27615199

chr2	5696237	5696237	+	5.966E-12	5.582E-11	0.306683	hyper	sig	chr2_5696237
chr7	39855059	39855059	+	5.968E-12	5.5838E-11	0.221022	hyper	sig	chr7_39855059
chr11	72241148	72241148	+	5.97E-12	5.5859E-11	0.263287	hyper	sig	chr11_72241148
chr18	906798	906798	+	5.97E-12	5.5861E-11	0.301436	hyper	sig	chr18_906798
chr5	1.6E+08	159776115	+	5.972E-12	5.587E-11	-0.20848	hypo	sig	chr5_159776115
chr1	37035189	37035189	+	5.973E-12	5.588E-11	0.322742	hyper	sig	chr1_37035189
chr3	27728900	27728900	+	5.973E-12	5.588E-11	0.211505	hyper	sig	chr3_27728900
chr5	1.35E+08	135489262	+	5.973E-12	5.5882E-11	0.216984	hyper	sig	chr5_135489262
chr11	1.11E+08	111284280	+	5.976E-12	5.5905E-11	-0.21254	hypo	sig	chr11_111284280
chr11	3156731	3156731	+	5.983E-12	5.597E-11	0.210305	hyper	sig	chr11_3156731
chr7	1324055	1324055	+	5.984E-12	5.5982E-11	-0.22353	hypo	sig	chr7_1324055
chr4	54225011	54225011	+	5.985E-12	5.5988E-11	-0.27466	hypo	sig	chr4_54225011
chr1	46551077	46551077	+	5.985E-12	5.599E-11	-0.29088	hypo	sig	chr1_46551077
chr11	67434572	67434572	+	5.992E-12	5.6048E-11	-0.23449	hypo	sig	chr11_67434572
chr5	1.77E+08	176880716	+	5.992E-12	5.6054E-11	-0.20052	hypo	sig	chr5_176880716
chr17	50781446	50781446	+	5.993E-12	5.6058E-11	0.231662	hyper	sig	chr17_50781446
chr17	50835147	50835147	+	5.998E-12	5.6103E-11	0.201792	hyper	sig	chr17_50835147
chr7	1.49E+08	149206136	+	6.002E-12	5.614E-11	-0.20617	hypo	sig	chr7_149206136
chr19	10713160	10713160	+	6.011E-12	5.6223E-11	-0.27185	hypo	sig	chr19_10713160
chr19	52453818	52453818	+	6.013E-12	5.6239E-11	0.327895	hyper	sig	chr19_52453818
chr17	79793755	79793755	+	6.015E-12	5.6253E-11	0.243407	hyper	sig	chr17_79793755
chr5	2176028	2176028	+	6.019E-12	5.6297E-11	-0.23887	hypo	sig	chr5_2176028
chr14	1.04E+08	103711233	+	6.022E-12	5.6318E-11	-0.23669	hypo	sig	chr14_103711233
chr13	1.12E+08	112059710	+	6.032E-12	5.6414E-11	0.266615	hyper	sig	chr13_112059710
chr7	5238723	5238723	+	6.035E-12	5.6437E-11	-0.2155	hypo	sig	chr7_5238723
chr12	1.02E+08	101642531	+	6.038E-12	5.6463E-11	0.214679	hyper	sig	chr12_101642531
chr6	1.68E+08	168302070	+	6.039E-12	5.6477E-11	-0.2428	hypo	sig	chr6_168302070
chr20	21515426	21515426	+	6.04E-12	5.6481E-11	0.291659	hyper	sig	chr20_21515426
chr1	2.13E+08	212565261	+	6.04E-12	5.6484E-11	-0.21909	hypo	sig	chr1_212565261
chr2	1.13E+08	113291291	+	6.051E-12	5.6584E-11	0.238958	hyper	sig	chr2_113291291
chr6	1625053	1625053	+	6.052E-12	5.6589E-11	0.304558	hyper	sig	chr6_1625053
chr10	7667775	7667775	+	6.052E-12	5.6592E-11	0.300859	hyper	sig	chr10_7667775
chr3	1.47E+08	147359728	+	6.06E-12	5.666E-11	0.207196	hyper	sig	chr3_147359728
chr22	26757086	26757086	+	6.061E-12	5.6669E-11	0.241641	hyper	sig	chr22_26757086
chr19	53553954	53553954	+	6.07E-12	5.6749E-11	0.268681	hyper	sig	chr19_53553954
chr19	34833543	34833543	+	6.07E-12	5.675E-11	-0.31843	hypo	sig	chr19_34833543
chr11	3160889	3160889	+	6.07E-12	5.675E-11	0.218926	hyper	sig	chr11_3160889
chr4	1.55E+08	154781020	+	6.074E-12	5.6783E-11	-0.21454	hypo	sig	chr4_154781020
chr4	80264611	80264611	+	6.076E-12	5.6803E-11	-0.27971	hypo	sig	chr4_80264611
chr3	1.47E+08	147409939	+	6.078E-12	5.6819E-11	0.282695	hyper	sig	chr3_147409939
chr10	1.2E+08	120457597	+	6.079E-12	5.6826E-11	0.267626	hyper	sig	chr10_120457597
chr7	1.5E+08	149774665	+	6.08E-12	5.6838E-11	-0.34651	hypo	sig	chr7_149774665
chr17	28385369	28385369	+	6.081E-12	5.6848E-11	-0.20963	hypo	sig	chr17_28385369
chr13	1.12E+08	112240302	+	6.081E-12	5.685E-11	-0.29008	hypo	sig	chr13_112240302
chr22	49850077	49850077	+	6.085E-12	5.6882E-11	0.231376	hyper	sig	chr22_49850077
chr16	55657022	55657022	+	6.091E-12	5.6934E-11	0.316943	hyper	sig	chr16_55657022
chr2	2.19E+08	218859074	+	6.091E-12	5.6934E-11	0.269603	hyper	sig	chr2_218859074
chr17	41392940	41392940	+	6.093E-12	5.6957E-11	-0.22992	hypo	sig	chr17_41392940
chr6	1.68E+08	168001622	+	6.098E-12	5.6994E-11	-0.25682	hypo	sig	chr6_168001622
chr5	88889273	88889273	+	6.098E-12	5.6997E-11	0.23531	hyper	sig	chr5_88889273
chr16	35425304	35425304	+	6.099E-12	5.7004E-11	0.242614	hyper	sig	chr16_35425304
chr1	15736240	15736240	+	6.1E-12	5.7014E-11	-0.20652	hypo	sig	chr1_15736240
chr17	42784599	42784599	+	6.101E-12	5.7024E-11	0.22593	hyper	sig	chr17_42784599
chr17	62629081	62629081	+	6.102E-12	5.703E-11	0.260357	hyper	sig	chr17_62629081
chr19	39196504	39196504	+	6.105E-12	5.7056E-11	0.275561	hyper	sig	chr19_39196504
chr7	57424457	57424457	+	6.105E-12	5.7061E-11	0.361928	hyper	sig	chr7_57424457

chr3	42265536	42265536	+	6.108E-12	5.7086E-11	0.345611	hyper	sig	chr3_42265536
chr16	55328842	55328842	+	6.11E-12	5.7101E-11	0.270258	hyper	sig	chr16_55328842
chr7	1.51E+08	151410858	+	6.112E-12	5.7118E-11	0.257855	hyper	sig	chr7_151410858
chr19	50728379	50728379	+	6.112E-12	5.712E-11	0.274036	hyper	sig	chr19_50728379
chr1	2.44E+08	243930433	+	6.116E-12	5.7152E-11	-0.21901	hypo	sig	chr1_243930433
chr6	3053262	3053262	+	6.117E-12	5.7161E-11	-0.28819	hypo	sig	chr6_3053262
chr16	66923633	66923633	+	6.119E-12	5.7178E-11	0.218862	hyper	sig	chr16_66923633
chr10	31757637	31757637	+	6.12E-12	5.7189E-11	0.219571	hyper	sig	chr10_31757637
chr6	36979540	36979540	+	6.121E-12	5.72E-11	0.211295	hyper	sig	chr6_36979540
chr17	4900270	4900270	+	6.124E-12	5.7223E-11	0.282467	hyper	sig	chr17_4900270
chr10	1489365	1489365	+	6.132E-12	5.73E-11	-0.27809	hypo	sig	chr10_1489365
chr21	34075915	34075915	+	6.133E-12	5.7306E-11	0.207398	hyper	sig	chr21_34075915
chr18	79524561	79524561	+	6.134E-12	5.7318E-11	-0.26109	hypo	sig	chr18_79524561
chr6	209696	209696	+	6.135E-12	5.7325E-11	-0.2066	hypo	sig	chr6_209696
chr7	1321505	1321505	+	6.136E-12	5.7334E-11	0.232162	hyper	sig	chr7_1321505
chr17	79925859	79925859	+	6.137E-12	5.7341E-11	-0.27151	hypo	sig	chr17_79925859
chr7	201929	201929	+	6.138E-12	5.7349E-11	-0.20231	hypo	sig	chr7_201929
chr19	9363192	9363192	+	6.151E-12	5.7466E-11	0.282198	hyper	sig	chr19_9363192
chr8	62147857	62147857	+	6.151E-12	5.7471E-11	-0.24613	hypo	sig	chr8_62147857
chr7	1195335	1195335	+	6.152E-12	5.7474E-11	-0.22997	hypo	sig	chr7_1195335
chr7	1.55E+08	154797908	+	6.153E-12	5.7482E-11	-0.21574	hypo	sig	chr7_154797908
chr13	41455945	41455945	+	6.156E-12	5.7509E-11	-0.20177	hypo	sig	chr13_41455945
chr1	1.44E+08	143661253	+	6.159E-12	5.7538E-11	0.295056	hyper	sig	chr1_143661253
chr8	1.45E+08	144623609	+	6.16E-12	5.7544E-11	0.203418	hyper	sig	chr8_144623609
chr2	80303162	80303162	+	6.161E-12	5.7555E-11	0.204205	hyper	sig	chr2_80303162
chr10	86668490	86668490	+	6.161E-12	5.7559E-11	0.221345	hyper	sig	chr10_86668490
chr2	1.31E+08	130959395	+	6.162E-12	5.7568E-11	-0.25386	hypo	sig	chr2_130959395
chr11	65607473	65607473	+	6.163E-12	5.7575E-11	0.200195	hyper	sig	chr11_65607473
chr9	1.35E+08	134771080	+	6.168E-12	5.7619E-11	-0.21231	hypo	sig	chr9_134771080
chr13	1.14E+08	114115218	+	6.169E-12	5.7623E-11	-0.29162	hypo	sig	chr13_114115218
chr18	57441583	57441583	+	6.177E-12	5.7701E-11	0.259188	hyper	sig	chr18_57441583
chr13	1.14E+08	114047304	+	6.18E-12	5.7728E-11	-0.24253	hypo	sig	chr13_114047304
chr1	92481318	92481318	+	6.182E-12	5.7743E-11	0.238451	hyper	sig	chr1_92481318
chr12	53975750	53975750	+	6.182E-12	5.7747E-11	0.235343	hyper	sig	chr12_53975750
chr2	2.42E+08	242011240	+	6.184E-12	5.7765E-11	-0.26026	hypo	sig	chr2_242011240
chr11	1307392	1307392	+	6.185E-12	5.777E-11	-0.20342	hypo	sig	chr11_1307392
chr11	67616078	67616078	+	6.187E-12	5.7786E-11	0.284146	hyper	sig	chr11_67616078
chr7	533426	533426	+	6.196E-12	5.7871E-11	-0.30568	hypo	sig	chr7_533426
chr1	10674657	10674657	+	6.199E-12	5.7898E-11	0.238523	hyper	sig	chr1_10674657
chr19	12194743	12194743	+	6.199E-12	5.7898E-11	0.231163	hyper	sig	chr19_12194743
chr1	1354368	1354368	+	6.202E-12	5.7924E-11	-0.27456	hypo	sig	chr1_1354368
chr9	118067	118067	+	6.208E-12	5.7982E-11	0.352592	hyper	sig	chr9_118067
chr13	99983687	99983687	+	6.212E-12	5.8018E-11	0.211379	hyper	sig	chr13_99983687
chr19	1876688	1876688	+	6.22E-12	5.8085E-11	0.273742	hyper	sig	chr19_1876688
chr6	12749746	12749746	+	6.22E-12	5.8085E-11	0.264648	hyper	sig	chr6_12749746
chr17	17810627	17810627	+	6.222E-12	5.8105E-11	0.279334	hyper	sig	chr17_17810627
chr19	54947447	54947447	+	6.224E-12	5.8127E-11	-0.24739	hypo	sig	chr19_54947447
chr1	15949765	15949765	+	6.227E-12	5.8151E-11	0.247386	hyper	sig	chr1_15949765
chr2	2.19E+08	218984465	+	6.234E-12	5.8213E-11	0.20916	hyper	sig	chr2_218984465
chr16	1223783	1223783	+	6.242E-12	5.8287E-11	-0.208	hypo	sig	chr16_1223783
chr5	7849783	7849783	+	6.246E-12	5.8324E-11	0.210103	hyper	sig	chr5_7849783
chr4	3649769	3649769	+	6.248E-12	5.8335E-11	-0.21767	hypo	sig	chr4_3649769
chr22	24181158	24181158	+	6.25E-12	5.8362E-11	-0.255	hypo	sig	chr22_24181158
chr10	68561797	68561797	+	6.251E-12	5.8364E-11	0.273141	hyper	sig	chr10_68561797
chr7	76267081	76267081	+	6.259E-12	5.8439E-11	0.234989	hyper	sig	chr7_76267081
chr11	75428478	75428478	+	6.261E-12	5.8453E-11	0.23186	hyper	sig	chr11_75428478

chr19	51167166	51167166	+	6.261E-12	5.8458E-11	-0.2001	hypo	sig	chr19_51167166
chr10	1.32E+08	131617257	+	6.268E-12	5.8522E-11	0.216988	hyper	sig	chr10_131617257
chr2	1.74E+08	174328705	+	6.271E-12	5.8546E-11	0.21291	hyper	sig	chr2_174328705
chr1	2855719	2855719	+	6.273E-12	5.8567E-11	0.214884	hyper	sig	chr1_2855719
chr13	1.13E+08	113051403	+	6.274E-12	5.8575E-11	0.295042	hyper	sig	chr13_113051403
chr22	17172415	17172415	+	6.281E-12	5.8638E-11	0.250215	hyper	sig	chr22_17172415
chr19	6134922	6134922	+	6.287E-12	5.8692E-11	-0.23165	hypo	sig	chr19_6134922
chr2	1.82E+08	181678568	+	6.289E-12	5.8712E-11	0.25561	hyper	sig	chr2_181678568
chr13	1.13E+08	112995366	+	6.29E-12	5.8713E-11	-0.29437	hypo	sig	chr13_112995366
chr5	1.41E+08	141326483	+	6.291E-12	5.8728E-11	0.210791	hyper	sig	chr5_141326483
chr6	1.1E+08	109979851	+	6.297E-12	5.878E-11	0.295421	hyper	sig	chr6_109979851
chr7	1395560	1395560	+	6.298E-12	5.8789E-11	0.264778	hyper	sig	chr7_1395560
chr12	52676149	52676149	+	6.303E-12	5.8829E-11	-0.2413	hypo	sig	chr12_52676149
chr19	685682	685682	+	6.304E-12	5.8836E-11	-0.27973	hypo	sig	chr19_685682
chr12	15802090	15802090	+	6.305E-12	5.885E-11	-0.20997	hypo	sig	chr12_15802090
chr17	44657152	44657152	+	6.31E-12	5.8892E-11	0.237928	hyper	sig	chr17_44657152
chr7	66199225	66199225	+	6.319E-12	5.8975E-11	-0.30228	hypo	sig	chr7_66199225
chr2	1.28E+08	127664600	+	6.324E-12	5.9015E-11	0.205482	hyper	sig	chr2_127664600
chr2	2.33E+08	232634908	+	6.324E-12	5.9015E-11	0.204371	hyper	sig	chr2_232634908
chr7	1.55E+08	155465727	+	6.324E-12	5.9019E-11	0.252823	hyper	sig	chr7_155465727
chr6	30111323	30111323	+	6.327E-12	5.9048E-11	-0.28262	hypo	sig	chr6_30111323
chr12	1.08E+08	107578587	+	6.332E-12	5.909E-11	-0.22673	hypo	sig	chr12_107578587
chr2	1.12E+08	112150652	+	6.332E-12	5.909E-11	0.201823	hyper	sig	chr2_112150652
chr6	28814229	28814229	+	6.335E-12	5.9118E-11	0.220704	hyper	sig	chr6_28814229
chr2	2.22E+08	222312349	+	6.337E-12	5.9131E-11	0.238595	hyper	sig	chr2_222312349
chr17	42155579	42155579	+	6.341E-12	5.9167E-11	0.271166	hyper	sig	chr17_42155579
chr2	1.72E+08	172106107	+	6.346E-12	5.9209E-11	0.215808	hyper	sig	chr2_172106107
chr7	57424459	57424459	+	6.346E-12	5.9213E-11	0.347917	hyper	sig	chr7_57424459
chr14	24132589	24132589	+	6.347E-12	5.9222E-11	-0.21496	hypo	sig	chr14_24132589
chr7	73669840	73669840	+	6.35E-12	5.9249E-11	-0.31223	hypo	sig	chr7_73669840
chr17	82000720	82000720	+	6.358E-12	5.9316E-11	-0.20928	hypo	sig	chr17_82000720
chr10	1.33E+08	133029147	+	6.364E-12	5.9372E-11	-0.22654	hypo	sig	chr10_133029147
chr6	30127471	30127471	+	6.366E-12	5.9389E-11	0.233365	hyper	sig	chr6_30127471
chr5	524910	524910	+	6.368E-12	5.9402E-11	0.217896	hyper	sig	chr5_524910
chr12	1.08E+08	107581527	+	6.368E-12	5.9403E-11	0.276115	hyper	sig	chr12_107581527
chr1	2.43E+08	243101714	+	6.372E-12	5.9437E-11	0.205289	hyper	sig	chr1_243101714
chr2	2.41E+08	240895823	+	6.372E-12	5.9437E-11	-0.25172	hypo	sig	chr2_240895823
chr10	1.01E+08	100737855	+	6.373E-12	5.9446E-11	0.209929	hyper	sig	chr10_100737855
chr1	2043436	2043436	+	6.374E-12	5.946E-11	-0.22921	hypo	sig	chr1_2043436
chr7	928601	928601	+	6.375E-12	5.9468E-11	0.239892	hyper	sig	chr7_928601
chr11	64739748	64739748	+	6.377E-12	5.9487E-11	-0.23859	hypo	sig	chr11_64739748
chr16	55331914	55331914	+	6.38E-12	5.9508E-11	0.29501	hyper	sig	chr16_55331914
chr2	1.27E+08	127025222	+	6.388E-12	5.958E-11	0.235067	hyper	sig	chr2_127025222
chr19	50428230	50428230	+	6.388E-12	5.9585E-11	0.219193	hyper	sig	chr19_50428230
chr14	1.04E+08	103879539	+	6.391E-12	5.9606E-11	-0.25871	hypo	sig	chr14_103879539
chr15	76185761	76185761	+	6.391E-12	5.9609E-11	-0.21139	hypo	sig	chr15_76185761
chr13	1.14E+08	114027254	+	6.399E-12	5.9679E-11	0.296307	hyper	sig	chr13_114027254
chr10	1.32E+08	132249000	+	6.404E-12	5.9719E-11	-0.23217	hypo	sig	chr10_132249000
chr4	1404115	1404115	+	6.407E-12	5.975E-11	0.230691	hyper	sig	chr4_1404115
chr6	35689425	35689425	+	6.417E-12	5.9842E-11	-0.2185	hypo	sig	chr6_35689425
chr20	20199821	20199821	+	6.419E-12	5.9859E-11	0.260981	hyper	sig	chr20_20199821
chr17	3917305	3917305	+	6.419E-12	5.9861E-11	-0.34145	hypo	sig	chr17_3917305
chr16	30474257	30474257	+	6.42E-12	5.9871E-11	0.272534	hyper	sig	chr16_30474257
chr2	71558790	71558790	+	6.422E-12	5.9884E-11	-0.29535	hypo	sig	chr2_71558790
chr2	2.02E+08	201619167	+	6.422E-12	5.9887E-11	0.226432	hyper	sig	chr2_201619167
chr19	52493163	52493163	+	6.423E-12	5.9893E-11	0.349602	hyper	sig	chr19_52493163

chr1	2014955	2014955	+	6.424E-12	5.9902E-11	-0.2225	hypo	sig	chr1_2014955
chr16	67163620	67163620	+	6.425E-12	5.9909E-11	0.31071	hyper	sig	chr16_67163620
chr11	75428704	75428704	+	6.429E-12	5.9942E-11	0.212616	hyper	sig	chr11_75428704
chr9	19789446	19789446	+	6.431E-12	5.996E-11	0.260132	hyper	sig	chr9_19789446
chr21	40841751	40841751	+	6.433E-12	5.9984E-11	0.203359	hyper	sig	chr21_40841751
chr9	93952888	93952888	+	6.434E-12	5.999E-11	0.267613	hyper	sig	chr9_93952888
chr4	1.25E+08	125317743	+	6.438E-12	6.0022E-11	0.203636	hyper	sig	chr4_125317743
chr1	90834695	90834695	+	6.438E-12	6.0023E-11	0.245091	hyper	sig	chr1_90834695
chr5	79070225	79070225	+	6.44E-12	6.004E-11	0.288244	hyper	sig	chr5_79070225
chr10	1.33E+08	132520737	+	6.443E-12	6.007E-11	0.236711	hyper	sig	chr10_132520737
chr2	73291680	73291680	+	6.445E-12	6.0093E-11	0.245288	hyper	sig	chr2_73291680
chr12	1.15E+08	114735899	+	6.447E-12	6.0106E-11	0.241497	hyper	sig	chr12_114735899
chr6	35214750	35214750	+	6.451E-12	6.0144E-11	0.392399	hyper	sig	chr6_35214750
chr3	1.34E+08	134312821	+	6.456E-12	6.0188E-11	-0.20382	hypo	sig	chr3_134312821
chr8	20312916	20312916	+	6.46E-12	6.0227E-11	0.248159	hyper	sig	chr8_20312916
chr3	1.2E+08	119810137	+	6.464E-12	6.0257E-11	0.26947	hyper	sig	chr3_119810137
chr17	49894979	49894979	+	6.465E-12	6.0271E-11	-0.33484	hypo	sig	chr17_49894979
chr12	6789481	6789481	+	6.466E-12	6.0272E-11	-0.2008	hypo	sig	chr12_6789481
chr2	949784	949784	+	6.468E-12	6.0293E-11	0.250194	hyper	sig	chr2_949784
chr1	27631873	27631873	+	6.475E-12	6.0352E-11	-0.30475	hypo	sig	chr1_27631873
chr12	53951438	53951438	+	6.475E-12	6.0356E-11	0.201309	hyper	sig	chr12_53951438
chr12	34395016	34395016	+	6.48E-12	6.04E-11	-0.24427	hypo	sig	chr12_34395016
chr2	2.18E+08	218034453	+	6.481E-12	6.0404E-11	-0.26958	hypo	sig	chr2_218034453
chr10	1.32E+08	132283422	+	6.482E-12	6.0418E-11	0.201773	hyper	sig	chr10_132283422
chr16	89972155	89972155	+	6.494E-12	6.0525E-11	0.281151	hyper	sig	chr16_89972155
chr22	49850211	49850211	+	6.497E-12	6.0544E-11	0.239619	hyper	sig	chr22_49850211
chr16	54932017	54932017	+	6.502E-12	6.0593E-11	0.244994	hyper	sig	chr16_54932017
chr11	8038405	8038405	+	6.503E-12	6.0607E-11	-0.27894	hypo	sig	chr11_8038405
chr20	23356392	23356392	+	6.505E-12	6.0616E-11	0.213405	hyper	sig	chr20_23356392
chr21	32585536	32585536	+	6.506E-12	6.0632E-11	-0.21932	hypo	sig	chr21_32585536
chr10	1964530	1964530	+	6.509E-12	6.0653E-11	-0.24197	hypo	sig	chr10_1964530
chr13	99974854	99974854	+	6.513E-12	6.0693E-11	0.27666	hyper	sig	chr13_99974854
chr10	1.33E+08	132877022	+	6.514E-12	6.0698E-11	-0.28687	hypo	sig	chr10_132877022
chr17	80456822	80456822	+	6.514E-12	6.0698E-11	0.262364	hyper	sig	chr17_80456822
chr8	1638678	1638678	+	6.515E-12	6.0709E-11	-0.21651	hypo	sig	chr8_1638678
chr16	1129471	1129471	+	6.515E-12	6.0712E-11	-0.22581	hypo	sig	chr16_1129471
chr11	720491	720491	+	6.517E-12	6.0731E-11	0.213648	hyper	sig	chr11_720491
chr10	1.03E+08	103479116	+	6.522E-12	6.0773E-11	-0.22421	hypo	sig	chr10_103479116
chr10	1.02E+08	102436709	+	6.529E-12	6.0829E-11	-0.25187	hypo	sig	chr10_102436709
chr13	78594266	78594266	+	6.53E-12	6.0839E-11	0.239741	hyper	sig	chr13_78594266
chr14	24311568	24311568	+	6.533E-12	6.0867E-11	0.213938	hyper	sig	chr14_24311568
chr11	79059987	79059987	+	6.534E-12	6.0877E-11	-0.20159	hypo	sig	chr11_79059987
chr19	40512947	40512947	+	6.538E-12	6.0911E-11	0.223609	hyper	sig	chr19_40512947
chr13	50132765	50132765	+	6.54E-12	6.0927E-11	0.21008	hyper	sig	chr13_50132765
chr17	42797726	42797726	+	6.544E-12	6.0967E-11	-0.25153	hypo	sig	chr17_42797726
chr7	2641683	2641683	+	6.547E-12	6.0997E-11	0.217436	hyper	sig	chr7_2641683
chr17	8888543	8888543	+	6.548E-12	6.1005E-11	0.207852	hyper	sig	chr17_8888543
chr19	40226362	40226362	+	6.55E-12	6.102E-11	0.228979	hyper	sig	chr19_40226362
chr5	1225006	1225006	+	6.553E-12	6.105E-11	-0.22245	hypo	sig	chr5_1225006
chr15	77894252	77894252	+	6.556E-12	6.1076E-11	-0.20925	hypo	sig	chr15_77894252
chr6	34002051	34002051	+	6.557E-12	6.1079E-11	0.219713	hyper	sig	chr6_34002051
chr2	2.19E+08	218859072	+	6.562E-12	6.1124E-11	0.264421	hyper	sig	chr2_218859072
chr14	24172350	24172350	+	6.563E-12	6.1135E-11	0.206228	hyper	sig	chr14_24172350
chr5	77632914	77632914	+	6.566E-12	6.1166E-11	0.265164	hyper	sig	chr5_77632914
chr5	1.8E+08	180138541	+	6.567E-12	6.1168E-11	-0.25486	hypo	sig	chr5_180138541
chr5	1.46E+08	145836221	+	6.573E-12	6.1224E-11	-0.20374	hypo	sig	chr5_145836221

chr16	1112645	1112645	+	6.574E-12	6.123E-11	-0.2875	hypo	sig	chr16_1112645
chr19	345366	345366	+	6.576E-12	6.125E-11	0.26442	hyper	sig	chr19_345366
chr16	85181970	85181970	+	6.58E-12	6.1284E-11	-0.23068	hypo	sig	chr16_85181970
chr9	841630	841630	+	6.585E-12	6.1331E-11	0.235889	hyper	sig	chr9_841630
chr12	12884877	12884877	+	6.591E-12	6.1388E-11	-0.26137	hypo	sig	chr12_12884877
chr13	1.13E+08	113454471	+	6.593E-12	6.1406E-11	0.359705	hyper	sig	chr13_113454471
chr1	1.81E+08	181486113	+	6.597E-12	6.144E-11	0.244832	hyper	sig	chr1_181486113
chr2	63057512	63057512	+	6.603E-12	6.1495E-11	0.278486	hyper	sig	chr2_63057512
chr2	1.71E+08	170717306	+	6.606E-12	6.1519E-11	0.25058	hyper	sig	chr2_170717306
chr3	1.29E+08	129035855	+	6.617E-12	6.1621E-11	-0.23702	hypo	sig	chr3_129035855
chr15	92819017	92819017	+	6.62E-12	6.1644E-11	-0.21961	hypo	sig	chr15_92819017
chr1	24535235	24535235	+	6.625E-12	6.1689E-11	-0.2164	hypo	sig	chr1_24535235
chr11	30017480	30017480	+	6.625E-12	6.1689E-11	0.262272	hyper	sig	chr11_30017480
chr12	30109731	30109731	+	6.626E-12	6.1699E-11	-0.26679	hypo	sig	chr12_30109731
chr2	868245	868245	+	6.628E-12	6.1717E-11	0.236559	hyper	sig	chr2_868245
chr19	56393278	56393278	+	6.632E-12	6.175E-11	0.218395	hyper	sig	chr19_56393278
chr7	920958	920958	+	6.632E-12	6.1752E-11	-0.25447	hypo	sig	chr7_920958
chr7	1.5E+08	150048994	+	6.641E-12	6.1832E-11	0.214263	hyper	sig	chr7_150048994
chr5	1.22E+08	122309602	+	6.641E-12	6.1835E-11	-0.20115	hypo	sig	chr5_122309602
chr6	1.34E+08	133889668	+	6.643E-12	6.1854E-11	0.279734	hyper	sig	chr6_133889668
chr12	56488804	56488804	+	6.645E-12	6.1866E-11	0.248044	hyper	sig	chr12_56488804
chr3	48661905	48661905	+	6.65E-12	6.1909E-11	0.200279	hyper	sig	chr3_48661905
chr7	1.01E+08	101180091	+	6.654E-12	6.1948E-11	0.244677	hyper	sig	chr7_101180091
chr2	70141325	70141325	+	6.658E-12	6.1986E-11	-0.21048	hypo	sig	chr2_70141325
chr2	41335919	41335919	+	6.66E-12	6.2005E-11	-0.20065	hypo	sig	chr2_41335919
chr2	3633866	3633866	+	6.662E-12	6.2016E-11	-0.24093	hypo	sig	chr2_3633866
chr3	3798595	3798595	+	6.662E-12	6.2016E-11	0.227405	hyper	sig	chr3_3798595
chr5	1.59E+08	159095449	+	6.662E-12	6.2019E-11	0.231597	hyper	sig	chr5_159095449
chr5	1.69E+08	168529961	+	6.663E-12	6.2031E-11	0.251663	hyper	sig	chr5_168529961
chr10	1.32E+08	132203419	+	6.664E-12	6.2035E-11	-0.23416	hypo	sig	chr10_132203419
chr21	46661401	46661401	+	6.668E-12	6.2075E-11	0.298401	hyper	sig	chr21_46661401
chr7	1.51E+08	151089010	+	6.669E-12	6.2079E-11	0.232018	hyper	sig	chr7_151089010
chr8	1.44E+08	144475404	+	6.675E-12	6.2129E-11	0.200092	hyper	sig	chr8_144475404
chr1	6105403	6105403	+	6.69E-12	6.2265E-11	-0.21021	hypo	sig	chr1_6105403
chr2	10126901	10126901	+	6.692E-12	6.2284E-11	-0.20729	hypo	sig	chr2_10126901
chr6	10887522	10887522	+	6.695E-12	6.2311E-11	0.257238	hyper	sig	chr6_10887522
chr17	6995832	6995832	+	6.697E-12	6.233E-11	0.229777	hyper	sig	chr17_6995832
chr6	1.08E+08	108167226	+	6.698E-12	6.2337E-11	0.223854	hyper	sig	chr6_108167226
chr17	9207019	9207019	+	6.699E-12	6.2343E-11	-0.2087	hypo	sig	chr17_9207019
chr6	28816987	28816987	+	6.703E-12	6.2386E-11	0.262206	hyper	sig	chr6_28816987
chr2	1.54E+08	153873662	+	6.705E-12	6.2399E-11	0.202085	hyper	sig	chr2_153873662
chr15	34796018	34796018	+	6.705E-12	6.2402E-11	-0.20024	hypo	sig	chr15_34796018
chr17	46820072	46820072	+	6.705E-12	6.2403E-11	0.225842	hyper	sig	chr17_46820072
chr2	96762011	96762011	+	6.705E-12	6.2404E-11	-0.24209	hypo	sig	chr2_96762011
chr12	52233010	52233010	+	6.711E-12	6.2453E-11	0.315741	hyper	sig	chr12_52233010
chr5	1.59E+08	159106115	+	6.711E-12	6.2457E-11	0.238004	hyper	sig	chr5_159106115
chr10	25934088	25934088	+	6.712E-12	6.2463E-11	0.284742	hyper	sig	chr10_25934088
chr16	4664135	4664135	+	6.716E-12	6.2502E-11	-0.20095	hypo	sig	chr16_4664135
chr13	36432015	36432015	+	6.717E-12	6.2502E-11	0.286522	hyper	sig	chr13_36432015
chr3	13019241	13019241	+	6.718E-12	6.252E-11	0.246516	hyper	sig	chr3_13019241
chr19	10514828	10514828	+	6.719E-12	6.2523E-11	0.204042	hyper	sig	chr19_10514828
chr8	1.42E+08	142335319	+	6.721E-12	6.2544E-11	-0.21185	hypo	sig	chr8_142335319
chr2	1.21E+08	120696154	+	6.728E-12	6.26E-11	0.246722	hyper	sig	chr2_120696154
chr7	97732090	97732090	+	6.73E-12	6.2623E-11	0.202894	hyper	sig	chr7_97732090
chr7	486074	486074	+	6.734E-12	6.2657E-11	-0.23356	hypo	sig	chr7_486074
chr9	1.33E+08	133334290	+	6.738E-12	6.2694E-11	-0.25281	hypo	sig	chr9_133334290

chr2	2.42E+08	241820444	+	6.744E-12	6.275E-11	-0.23733	hypo	sig	chr2_241820444
chr13	25169886	25169886	+	6.746E-12	6.2765E-11	-0.22207	hypo	sig	chr13_25169886
chr5	1.6E+08	159769335	+	6.747E-12	6.2775E-11	-0.28384	hypo	sig	chr5_159769335
chr6	1.66E+08	166005445	+	6.748E-12	6.2784E-11	0.206857	hyper	sig	chr6_166005445
chr5	45695481	45695481	+	6.751E-12	6.2804E-11	0.239101	hyper	sig	chr5_45695481
chr8	1.31E+08	131039775	+	6.751E-12	6.281E-11	0.200783	hyper	sig	chr8_131039775
chr6	50846072	50846072	+	6.752E-12	6.2818E-11	0.309134	hyper	sig	chr6_50846072
chr2	80322643	80322643	+	6.754E-12	6.2837E-11	0.285594	hyper	sig	chr2_80322643
chr11	2903334	2903334	+	6.756E-12	6.2851E-11	-0.25489	hypo	sig	chr11_2903334
chr16	87497621	87497621	+	6.757E-12	6.2861E-11	-0.20745	hypo	sig	chr16_87497621
chr7	1.59E+08	159026840	+	6.762E-12	6.2905E-11	-0.2046	hypo	sig	chr7_159026840
chr1	6361186	6361186	+	6.762E-12	6.2908E-11	-0.20641	hypo	sig	chr1_6361186
chr1	53526766	53526766	+	6.765E-12	6.2933E-11	0.216571	hyper	sig	chr1_53526766
chr17	82320999	82320999	+	6.769E-12	6.2966E-11	-0.25475	hypo	sig	chr17_82320999
chr10	12128808	12128808	+	6.77E-12	6.2971E-11	-0.22253	hypo	sig	chr10_12128808
chr20	21701291	21701291	+	6.774E-12	6.301E-11	0.2018	hyper	sig	chr20_21701291
chr9	35674003	35674003	+	6.774E-12	6.3011E-11	-0.27175	hypo	sig	chr9_35674003
chr16	1110791	1110791	+	6.775E-12	6.3018E-11	-0.22707	hypo	sig	chr16_1110791
chr10	93060232	93060232	+	6.775E-12	6.3019E-11	0.250937	hyper	sig	chr10_93060232
chr8	98949731	98949731	+	6.778E-12	6.3046E-11	0.230904	hyper	sig	chr8_98949731
chr16	3236051	3236051	+	6.78E-12	6.3057E-11	-0.26925	hypo	sig	chr16_3236051
chr13	1.12E+08	111858244	+	6.782E-12	6.3076E-11	-0.36569	hypo	sig	chr13_111858244
chr11	62792473	62792473	+	6.783E-12	6.3082E-11	0.294344	hyper	sig	chr11_62792473
chr4	4377924	4377924	+	6.786E-12	6.3108E-11	0.205006	hyper	sig	chr4_4377924
chr10	23198829	23198829	+	6.786E-12	6.3109E-11	0.242087	hyper	sig	chr10_23198829
chr15	74370256	74370256	+	6.787E-12	6.3119E-11	-0.20348	hypo	sig	chr15_74370256
chr19	49133052	49133052	+	6.788E-12	6.3129E-11	0.231497	hyper	sig	chr19_49133052
chr12	5039987	5039987	+	6.796E-12	6.3198E-11	-0.20264	hypo	sig	chr12_5039987
chr20	62220949	62220949	+	6.799E-12	6.3223E-11	0.307745	hyper	sig	chr20_62220949
chr10	1.11E+08	110528034	+	6.803E-12	6.3263E-11	-0.20992	hypo	sig	chr10_110528034
chr6	28259276	28259276	+	6.803E-12	6.3266E-11	0.233976	hyper	sig	chr6_28259276
chr1	16648075	16648075	+	6.806E-12	6.3292E-11	0.269855	hyper	sig	chr1_16648075
chr16	1317529	1317529	+	6.808E-12	6.331E-11	0.215945	hyper	sig	chr16_1317529
chr19	49210789	49210789	+	6.809E-12	6.3312E-11	0.220627	hyper	sig	chr19_49210789
chr11	68215268	68215268	+	6.815E-12	6.337E-11	-0.20731	hypo	sig	chr11_68215268
chr16	88938613	88938613	+	6.816E-12	6.3382E-11	-0.2071	hypo	sig	chr16_88938613
chr5	1.16E+08	116360454	+	6.817E-12	6.3392E-11	0.246352	hyper	sig	chr5_116360454
chr1	1.55E+08	155322381	+	6.818E-12	6.3395E-11	0.239106	hyper	sig	chr1_155322381
chr19	47448017	47448017	+	6.819E-12	6.3401E-11	0.271792	hyper	sig	chr19_47448017
chr3	13932984	13932984	+	6.819E-12	6.3403E-11	0.245546	hyper	sig	chr3_13932984
chr11	19346112	19346112	+	6.822E-12	6.3427E-11	0.221594	hyper	sig	chr11_19346112
chr11	1.11E+08	111284289	+	6.823E-12	6.3437E-11	-0.23112	hypo	sig	chr11_111284289
chr11	30017469	30017469	+	6.824E-12	6.3444E-11	0.302444	hyper	sig	chr11_30017469
chr7	8435927	8435927	+	6.827E-12	6.347E-11	0.239344	hyper	sig	chr7_8435927
chr16	89315976	89315976	+	6.831E-12	6.3509E-11	-0.20475	hypo	sig	chr16_89315976
chr17	40936868	40936868	+	6.835E-12	6.3543E-11	-0.26665	hypo	sig	chr17_40936868
chr3	1.34E+08	134368308	+	6.838E-12	6.3568E-11	0.214282	hyper	sig	chr3_134368308
chr4	1.57E+08	157220717	+	6.843E-12	6.3618E-11	0.40133	hyper	sig	chr4_157220717
chr22	46030380	46030380	+	6.846E-12	6.3647E-11	-0.23686	hypo	sig	chr22_46030380
chr3	68007777	68007777	+	6.856E-12	6.3731E-11	0.298209	hyper	sig	chr3_68007777
chr6	12749730	12749730	+	6.856E-12	6.3734E-11	0.268645	hyper	sig	chr6_12749730
chr16	4680579	4680579	+	6.858E-12	6.3752E-11	-0.29401	hypo	sig	chr16_4680579
chr1	1.21E+08	121007115	+	6.86E-12	6.3772E-11	0.247928	hyper	sig	chr1_121007115
chr9	1.31E+08	131308225	+	6.864E-12	6.3803E-11	-0.21458	hypo	sig	chr9_131308225
chr16	594081	594081	+	6.864E-12	6.3808E-11	-0.25485	hypo	sig	chr16_594081
chr2	2.36E+08	235749447	+	6.867E-12	6.3828E-11	0.314068	hyper	sig	chr2_235749447

chr5	1.77E+08	176881025	+	6.867E-12	6.3835E-11	-0.22659	hypo	sig	chr5_176881025
chr16	54939875	54939875	+	6.87E-12	6.3856E-11	0.238226	hyper	sig	chr16_54939875
chr10	1.31E+08	131260555	+	6.877E-12	6.3922E-11	-0.24823	hypo	sig	chr10_131260555
chr7	1.01E+08	101362703	+	6.877E-12	6.3923E-11	0.239001	hyper	sig	chr7_101362703
chr1	2.01E+08	201283901	+	6.88E-12	6.395E-11	0.27983	hyper	sig	chr1_201283901
chr11	44853804	44853804	+	6.88E-12	6.395E-11	0.237476	hyper	sig	chr11_44853804
chr19	58116166	58116166	+	6.881E-12	6.3953E-11	-0.32192	hypo	sig	chr19_58116166
chr22	30267007	30267007	+	6.884E-12	6.3978E-11	-0.24144	hypo	sig	chr22_30267007
chr9	1.33E+08	132582843	+	6.885E-12	6.3986E-11	0.392349	hyper	sig	chr9_132582843
chr11	1.12E+08	111513133	+	6.887E-12	6.4004E-11	0.212898	hyper	sig	chr11_111513133
chr10	75405273	75405273	+	6.889E-12	6.4025E-11	-0.23781	hypo	sig	chr10_75405273
chr1	1173938	1173938	+	6.891E-12	6.4044E-11	0.223161	hyper	sig	chr1_1173938
chr2	1.05E+08	104842672	+	6.892E-12	6.4053E-11	0.29355	hyper	sig	chr2_104842672
chr1	2.21E+08	220877339	+	6.897E-12	6.4093E-11	0.264218	hyper	sig	chr1_220877339
chr20	56006180	56006180	+	6.907E-12	6.4189E-11	0.250838	hyper	sig	chr20_56006180
chr7	30770976	30770976	+	6.909E-12	6.42E-11	-0.24328	hypo	sig	chr7_30770976
chr1	2.21E+08	220890997	+	6.915E-12	6.4256E-11	-0.20736	hypo	sig	chr1_220890997
chr1	1.98E+08	197919760	+	6.922E-12	6.4318E-11	0.212694	hyper	sig	chr1_197919760
chr5	1.78E+08	178426451	+	6.929E-12	6.4381E-11	-0.22097	hypo	sig	chr5_178426451
chr2	1.58E+08	157597598	+	6.932E-12	6.4414E-11	0.223961	hyper	sig	chr2_157597598
chr3	49686261	49686261	+	6.932E-12	6.4414E-11	0.219622	hyper	sig	chr3_49686261
chr9	88991144	88991144	+	6.933E-12	6.4417E-11	0.237014	hyper	sig	chr9_88991144
chr10	75408399	75408399	+	6.933E-12	6.4417E-11	0.26408	hyper	sig	chr10_75408399
chr7	27087910	27087910	+	6.933E-12	6.4417E-11	-0.20632	hypo	sig	chr7_27087910
chr1	2.03E+08	203026996	+	6.935E-12	6.4431E-11	0.214595	hyper	sig	chr1_203026996
chr9	1.3E+08	130434056	+	6.944E-12	6.451E-11	-0.22792	hypo	sig	chr9_130434056
chr7	27110663	27110663	+	6.946E-12	6.453E-11	0.223831	hyper	sig	chr7_27110663
chr20	64062598	64062598	+	6.952E-12	6.4583E-11	0.25705	hyper	sig	chr20_64062598
chr3	1.38E+08	138435448	+	6.954E-12	6.4606E-11	0.218201	hyper	sig	chr3_138435448
chr19	851650	851650	+	6.959E-12	6.4646E-11	-0.22045	hypo	sig	chr19_851650
chr7	920700	920700	+	6.961E-12	6.4669E-11	-0.25903	hypo	sig	chr7_920700
chr5	1.76E+08	175868588	+	6.967E-12	6.4717E-11	-0.2422	hypo	sig	chr5_175868588
chr5	1.23E+08	123087752	+	6.968E-12	6.4727E-11	-0.21579	hypo	sig	chr5_123087752
chr12	50033124	50033124	+	6.969E-12	6.4738E-11	0.292278	hyper	sig	chr12_50033124
chr5	88689969	88689969	+	6.98E-12	6.4839E-11	0.216556	hyper	sig	chr5_88689969
chr7	1.52E+08	151735900	+	6.983E-12	6.4866E-11	0.203351	hyper	sig	chr7_151735900
chr2	2.42E+08	241507323	+	6.989E-12	6.4917E-11	0.225424	hyper	sig	chr2_241507323
chr14	55241158	55241158	+	6.992E-12	6.4948E-11	0.291252	hyper	sig	chr14_55241158
chr2	2.17E+08	216665616	+	7E-12	6.5014E-11	0.203088	hyper	sig	chr2_216665616
chr22	49613792	49613792	+	7.001E-12	6.5021E-11	-0.29341	hypo	sig	chr22_49613792
chr12	33438438	33438438	+	7.001E-12	6.5022E-11	0.230131	hyper	sig	chr12_33438438
chr17	81727604	81727604	+	7.003E-12	6.5038E-11	-0.23546	hypo	sig	chr17_81727604
chr2	86790931	86790931	+	7.014E-12	6.5138E-11	0.27644	hyper	sig	chr2_86790931
chr16	86931794	86931794	+	7.014E-12	6.5145E-11	0.214108	hyper	sig	chr16_86931794
chr1	2.13E+08	213016374	+	7.016E-12	6.5156E-11	-0.24062	hypo	sig	chr1_213016374
chr6	10099423	10099423	+	7.016E-12	6.5158E-11	-0.20019	hypo	sig	chr6_10099423
chr12	1.3E+08	130163329	+	7.02E-12	6.5194E-11	0.294586	hyper	sig	chr12_130163329
chr20	38729348	38729348	+	7.025E-12	6.5235E-11	0.273683	hyper	sig	chr20_38729348
chr5	32522791	32522791	+	7.027E-12	6.5254E-11	-0.20314	hypo	sig	chr5_32522791
chr15	37110375	37110375	+	7.028E-12	6.5268E-11	0.2182	hyper	sig	chr15_37110375
chr8	38600959	38600959	+	7.033E-12	6.5311E-11	-0.20606	hypo	sig	chr8_38600959
chr20	63342086	63342086	+	7.036E-12	6.5335E-11	-0.2704	hypo	sig	chr20_63342086
chr13	99969149	99969149	+	7.039E-12	6.5366E-11	0.214641	hyper	sig	chr13_99969149
chr2	2.2E+08	219558067	+	7.042E-12	6.539E-11	-0.22845	hypo	sig	chr2_219558067
chr1	3080845	3080845	+	7.046E-12	6.5419E-11	0.236289	hyper	sig	chr1_3080845
chr8	64587519	64587519	+	7.046E-12	6.5419E-11	0.279387	hyper	sig	chr8_64587519

chr8	23710094	23710094	+	7.048E-12	6.5438E-11	0.214457	hyper	sig	chr8_23710094
chr16	85481137	85481137	+	7.05E-12	6.5457E-11	-0.36107	hypo	sig	chr16_85481137
chr7	1159111	1159111	+	7.05E-12	6.5457E-11	-0.30332	hypo	sig	chr7_1159111
chr12	1.09E+08	109294014	+	7.052E-12	6.5464E-11	-0.27967	hypo	sig	chr12_109294014
chr19	49489893	49489893	+	7.052E-12	6.5469E-11	-0.20107	hypo	sig	chr19_49489893
chr7	1705540	1705540	+	7.055E-12	6.5493E-11	-0.23115	hypo	sig	chr7_1705540
chr2	2.18E+08	218002621	+	7.063E-12	6.5571E-11	-0.28494	hypo	sig	chr2_218002621
chr12	1.32E+08	132261047	+	7.066E-12	6.5591E-11	-0.25817	hypo	sig	chr12_132261047
chr10	1.33E+08	132851676	+	7.066E-12	6.5597E-11	-0.29513	hypo	sig	chr10_132851676
chr16	51150889	51150889	+	7.067E-12	6.5601E-11	0.26727	hyper	sig	chr16_51150889
chr13	1.01E+08	100625543	+	7.07E-12	6.5625E-11	0.207921	hyper	sig	chr13_100625543
chr17	77477540	77477540	+	7.071E-12	6.5634E-11	0.236807	hyper	sig	chr17_77477540
chr4	7125155	7125155	+	7.071E-12	6.564E-11	-0.24414	hypo	sig	chr4_7125155
chr10	1.23E+08	122504716	+	7.074E-12	6.5666E-11	0.203328	hyper	sig	chr10_122504716
chr19	51949289	51949289	+	7.079E-12	6.5706E-11	0.208228	hyper	sig	chr19_51949289
chr1	2291015	2291015	+	7.079E-12	6.5707E-11	0.227368	hyper	sig	chr1_2291015
chr11	31803694	31803694	+	7.084E-12	6.5755E-11	0.207351	hyper	sig	chr11_31803694
chr8	1.43E+08	142696179	+	7.101E-12	6.5907E-11	-0.27411	hypo	sig	chr8_142696179
chr20	40683727	40683727	+	7.103E-12	6.5924E-11	0.272824	hyper	sig	chr20_40683727
chr7	1.55E+08	154912952	+	7.103E-12	6.5924E-11	-0.31264	hypo	sig	chr7_154912952
chr19	14085750	14085750	+	7.107E-12	6.5955E-11	0.301254	hyper	sig	chr19_14085750
chr15	43302373	43302373	+	7.123E-12	6.6109E-11	-0.2483	hypo	sig	chr15_43302373
chr5	1.41E+08	141339601	+	7.135E-12	6.6213E-11	0.213284	hyper	sig	chr5_141339601
chr17	4536108	4536108	+	7.136E-12	6.6222E-11	0.283049	hyper	sig	chr17_4536108
chr16	87497652	87497652	+	7.138E-12	6.6238E-11	-0.22547	hypo	sig	chr16_87497652
chr5	1.41E+08	141151649	+	7.142E-12	6.6272E-11	0.309056	hyper	sig	chr5_141151649
chr12	49091232	49091232	+	7.15E-12	6.6345E-11	0.214999	hyper	sig	chr12_49091232
chr10	1.04E+08	103668765	+	7.151E-12	6.6357E-11	0.271911	hyper	sig	chr10_103668765
chr2	2.2E+08	219550787	+	7.153E-12	6.6372E-11	-0.24785	hypo	sig	chr2_219550787
chr6	1.29E+08	128930173	+	7.155E-12	6.6391E-11	0.246099	hyper	sig	chr6_128930173
chr17	5500051	5500051	+	7.159E-12	6.6423E-11	0.28107	hyper	sig	chr17_5500051
chr2	1.09E+08	109130258	+	7.161E-12	6.6441E-11	0.234707	hyper	sig	chr2_109130258
chr5	1.49E+08	149418121	+	7.161E-12	6.6442E-11	0.277732	hyper	sig	chr5_149418121
chr1	1.51E+08	150513717	+	7.163E-12	6.6459E-11	-0.30224	hypo	sig	chr1_150513717
chr13	25096069	25096069	+	7.164E-12	6.6469E-11	0.258738	hyper	sig	chr13_25096069
chr6	1.61E+08	161139996	+	7.167E-12	6.6499E-11	-0.22243	hypo	sig	chr6_161139996
chr19	48735100	48735100	+	7.182E-12	6.6633E-11	0.222437	hyper	sig	chr19_48735100
chr6	29755543	29755543	+	7.185E-12	6.6662E-11	0.220209	hyper	sig	chr6_29755543
chr4	7299244	7299244	+	7.198E-12	6.6774E-11	-0.24762	hypo	sig	chr4_7299244
chr2	2.19E+08	219448656	+	7.198E-12	6.6777E-11	0.240164	hyper	sig	chr2_219448656
chr12	10030687	10030687	+	7.205E-12	6.6842E-11	-0.21741	hypo	sig	chr12_10030687
chr12	1.24E+08	123933985	+	7.208E-12	6.6867E-11	-0.23082	hypo	sig	chr12_123933985
chr16	2054990	2054990	+	7.216E-12	6.6941E-11	-0.2305	hypo	sig	chr16_2054990
chr19	1907942	1907942	+	7.217E-12	6.6949E-11	-0.21112	hypo	sig	chr19_1907942
chr13	40173050	40173050	+	7.219E-12	6.6968E-11	-0.21334	hypo	sig	chr13_40173050
chr14	24316117	24316117	+	7.22E-12	6.697E-11	-0.23288	hypo	sig	chr14_24316117
chr5	73381481	73381481	+	7.221E-12	6.6978E-11	0.233134	hyper	sig	chr5_73381481
chr7	1081983	1081983	+	7.223E-12	6.6999E-11	0.244254	hyper	sig	chr7_1081983
chr1	3551278	3551278	+	7.228E-12	6.7042E-11	-0.25043	hypo	sig	chr1_3551278
chr4	5890637	5890637	+	7.234E-12	6.7101E-11	0.265337	hyper	sig	chr4_5890637
chr1	2.28E+08	228158321	+	7.241E-12	6.7159E-11	0.27433	hyper	sig	chr1_228158321
chr16	56607055	56607055	+	7.241E-12	6.7159E-11	0.212797	hyper	sig	chr16_56607055
chr3	1.4E+08	139539084	+	7.243E-12	6.7177E-11	0.253022	hyper	sig	chr3_139539084
chr14	64758519	64758519	+	7.243E-12	6.7179E-11	0.212461	hyper	sig	chr14_64758519
chr7	1.56E+08	156193112	+	7.246E-12	6.7204E-11	-0.25959	hypo	sig	chr7_156193112
chr1	1.51E+08	150975356	+	7.248E-12	6.722E-11	0.202304	hyper	sig	chr1_150975356

chr7	42247567	42247567	+	7.251E-12	6.725E-11	0.214566	hyper	sig	chr7_42247567
chr7	1.58E+08	157540906	+	7.26E-12	6.733E-11	0.282828	hyper	sig	chr7_157540906
chr5	1.39E+08	139383388	+	7.261E-12	6.7338E-11	-0.25841	hypo	sig	chr5_139383388
chr5	3605854	3605854	+	7.267E-12	6.7395E-11	0.281072	hyper	sig	chr5_3605854
chr1	3221991	3221991	+	7.272E-12	6.7433E-11	-0.21581	hypo	sig	chr1_3221991
chr20	46011862	46011862	+	7.274E-12	6.7454E-11	0.289633	hyper	sig	chr20_46011862
chr16	57619981	57619981	+	7.274E-12	6.7457E-11	-0.2504	hypo	sig	chr16_57619981
chr14	69850440	69850440	+	7.282E-12	6.7528E-11	-0.27215	hypo	sig	chr14_69850440
chr10	64197717	64197717	+	7.288E-12	6.7575E-11	-0.25537	hypo	sig	chr10_64197717
chr5	1021679	1021679	+	7.29E-12	6.7595E-11	-0.28396	hypo	sig	chr5_1021679
chr2	11105285	11105285	+	7.29E-12	6.7595E-11	-0.23681	hypo	sig	chr2_11105285
chr1	40787778	40787778	+	7.291E-12	6.7604E-11	0.208109	hyper	sig	chr1_40787778
chr2	41693958	41693958	+	7.291E-12	6.7604E-11	-0.30215	hypo	sig	chr2_41693958
chr10	1.32E+08	132036150	+	7.297E-12	6.7654E-11	0.204041	hyper	sig	chr10_132036150
chr14	1.06E+08	105643864	+	7.3E-12	6.768E-11	-0.22669	hypo	sig	chr14_105643864
chr17	79793450	79793450	+	7.307E-12	6.7745E-11	0.252161	hyper	sig	chr17_79793450
chr11	65867895	65867895	+	7.312E-12	6.779E-11	0.204137	hyper	sig	chr11_65867895
chr22	38205318	38205318	+	7.318E-12	6.7848E-11	0.203096	hyper	sig	chr22_38205318
chr10	99421378	99421378	+	7.319E-12	6.7856E-11	-0.24369	hypo	sig	chr10_99421378
chr8	41735455	41735455	+	7.32E-12	6.7859E-11	-0.26876	hypo	sig	chr8_41735455
chr11	1639248	1639248	+	7.321E-12	6.787E-11	-0.25159	hypo	sig	chr11_1639248
chr6	26017391	26017391	+	7.327E-12	6.7923E-11	0.205845	hyper	sig	chr6_26017391
chr8	1.4E+08	139814341	+	7.329E-12	6.794E-11	0.277315	hyper	sig	chr8_139814341
chr3	12480276	12480276	+	7.336E-12	6.8002E-11	-0.26071	hypo	sig	chr3_12480276
chr2	44932846	44932846	+	7.342E-12	6.8057E-11	0.273953	hyper	sig	chr2_44932846
chr10	42282132	42282132	+	7.343E-12	6.806E-11	-0.20909	hypo	sig	chr10_42282132
chr17	79981795	79981795	+	7.349E-12	6.812E-11	0.306856	hyper	sig	chr17_79981795
chr9	1.35E+08	134501232	+	7.356E-12	6.8176E-11	0.206055	hyper	sig	chr9_134501232
chr5	51387483	51387483	+	7.357E-12	6.8192E-11	0.263152	hyper	sig	chr5_51387483
chr2	1.76E+08	176083207	+	7.361E-12	6.8222E-11	0.248816	hyper	sig	chr2_176083207
chr2	75196574	75196574	+	7.365E-12	6.8262E-11	-0.25694	hypo	sig	chr2_75196574
chr6	72182386	72182386	+	7.373E-12	6.833E-11	0.328504	hyper	sig	chr6_72182386
chr12	1.01E+08	101209770	+	7.373E-12	6.833E-11	0.213984	hyper	sig	chr12_101209770
chr19	2162767	2162767	+	7.374E-12	6.8341E-11	-0.25278	hypo	sig	chr19_2162767
chr8	48870599	48870599	+	7.376E-12	6.8358E-11	0.321436	hyper	sig	chr8_48870599
chr9	1.29E+08	129261510	+	7.383E-12	6.8417E-11	-0.26153	hypo	sig	chr9_129261510
chr8	1.24E+08	123539962	+	7.383E-12	6.8418E-11	0.275061	hyper	sig	chr8_123539962
chr19	2428388	2428388	+	7.383E-12	6.8422E-11	0.212419	hyper	sig	chr19_2428388
chr3	1.96E+08	195804372	+	7.385E-12	6.8432E-11	-0.20974	hypo	sig	chr3_195804372
chr1	46485619	46485619	+	7.386E-12	6.8447E-11	0.263132	hyper	sig	chr1_46485619
chr1	1.6E+08	160370976	+	7.386E-12	6.8447E-11	0.25012	hyper	sig	chr1_160370976
chr11	94545717	94545717	+	7.394E-12	6.852E-11	-0.22544	hypo	sig	chr11_94545717
chr7	47534452	47534452	+	7.398E-12	6.8557E-11	-0.22527	hypo	sig	chr7_47534452
chr5	45695104	45695104	+	7.399E-12	6.856E-11	0.260216	hyper	sig	chr5_45695104
chr13	1.12E+08	111900606	+	7.4E-12	6.8572E-11	0.20643	hyper	sig	chr13_111900606
chr17	81031164	81031164	+	7.401E-12	6.8578E-11	-0.20793	hypo	sig	chr17_81031164
chr9	96877355	96877355	+	7.401E-12	6.8581E-11	0.293302	hyper	sig	chr9_96877355
chr1	2.26E+08	226127246	+	7.408E-12	6.8638E-11	-0.2976	hypo	sig	chr1_226127246
chr12	1.12E+08	111788329	+	7.412E-12	6.8682E-11	0.234361	hyper	sig	chr12_111788329
chr17	72116736	72116736	+	7.417E-12	6.8723E-11	0.294376	hyper	sig	chr17_72116736
chr19	8526930	8526930	+	7.419E-12	6.8737E-11	0.224482	hyper	sig	chr19_8526930
chr8	48649196	48649196	+	7.423E-12	6.8774E-11	0.231326	hyper	sig	chr8_48649196
chr7	1421044	1421044	+	7.425E-12	6.8792E-11	-0.254	hypo	sig	chr7_1421044
chr11	315318	315318	+	7.426E-12	6.8796E-11	-0.22404	hypo	sig	chr11_315318
chr4	1.57E+08	157220422	+	7.426E-12	6.8796E-11	0.237242	hyper	sig	chr4_157220422
chr19	2128367	2128367	+	7.428E-12	6.8819E-11	0.212541	hyper	sig	chr19_2128367

chr1	6418545	6418545	+	7.429E-12	6.8819E-11	-0.25868	hypo	sig	chr1_6418545
chr17	42155600	42155600	+	7.431E-12	6.8842E-11	0.253607	hyper	sig	chr17_42155600
chr22	46375187	46375187	+	7.431E-12	6.8842E-11	-0.24642	hypo	sig	chr22_46375187
chr12	1.02E+08	101642524	+	7.435E-12	6.8873E-11	0.203818	hyper	sig	chr12_101642524
chr7	5297087	5297087	+	7.441E-12	6.8931E-11	-0.20458	hypo	sig	chr7_5297087
chr8	71558451	71558451	+	7.45E-12	6.9013E-11	0.251264	hyper	sig	chr8_71558451
chr12	1.14E+08	114396140	+	7.453E-12	6.9038E-11	0.227444	hyper	sig	chr12_114396140
chr17	73335512	73335512	+	7.453E-12	6.9039E-11	-0.23937	hypo	sig	chr17_73335512
chr17	6655629	6655629	+	7.455E-12	6.9049E-11	0.208296	hyper	sig	chr17_6655629
chr22	30387955	30387955	+	7.456E-12	6.9059E-11	-0.25554	hypo	sig	chr22_30387955
chr11	61534784	61534784	+	7.459E-12	6.9082E-11	-0.2956	hypo	sig	chr11_61534784
chr8	1.45E+08	144730108	+	7.459E-12	6.9084E-11	0.218947	hyper	sig	chr8_144730108
chr9	98709601	98709601	+	7.463E-12	6.9121E-11	0.240598	hyper	sig	chr9_98709601
chr5	1.81E+08	181059581	+	7.468E-12	6.9162E-11	0.23125	hyper	sig	chr5_181059581
chr9	1.35E+08	134967803	+	7.468E-12	6.9167E-11	0.26957	hyper	sig	chr9_134967803
chr21	45286961	45286961	+	7.469E-12	6.9172E-11	0.256197	hyper	sig	chr21_45286961
chr8	1.4E+08	140100232	+	7.474E-12	6.922E-11	0.222759	hyper	sig	chr8_140100232
chr6	28503300	28503300	+	7.475E-12	6.9226E-11	-0.2158	hypo	sig	chr6_28503300
chr13	80658198	80658198	+	7.476E-12	6.9233E-11	-0.25577	hypo	sig	chr13_80658198
chr3	1.28E+08	128493700	+	7.478E-12	6.9248E-11	0.260791	hyper	sig	chr3_128493700
chr13	36431979	36431979	+	7.487E-12	6.9327E-11	0.285033	hyper	sig	chr13_36431979
chr7	27106353	27106353	+	7.488E-12	6.9343E-11	0.237053	hyper	sig	chr7_27106353
chr7	32318872	32318872	+	7.49E-12	6.9356E-11	0.238874	hyper	sig	chr7_32318872
chr17	7477983	7477983	+	7.493E-12	6.9379E-11	0.272211	hyper	sig	chr17_7477983
chr16	88430885	88430885	+	7.493E-12	6.9381E-11	0.271456	hyper	sig	chr16_88430885
chr4	74102612	74102612	+	7.493E-12	6.9382E-11	-0.20822	hypo	sig	chr4_74102612
chr2	2.19E+08	218984449	+	7.499E-12	6.9432E-11	0.213343	hyper	sig	chr2_218984449
chr6	29681307	29681307	+	7.499E-12	6.9437E-11	-0.20038	hypo	sig	chr6_29681307
chr7	1411077	1411077	+	7.503E-12	6.9466E-11	-0.23028	hypo	sig	chr7_1411077
chr19	58043190	58043190	+	7.509E-12	6.9518E-11	0.239165	hyper	sig	chr19_58043190
chr12	56162579	56162579	+	7.513E-12	6.9557E-11	0.218241	hyper	sig	chr12_56162579
chr10	1.17E+08	117138509	+	7.513E-12	6.9561E-11	0.246752	hyper	sig	chr10_117138509
chr12	1.33E+08	132887021	+	7.514E-12	6.9564E-11	0.210424	hyper	sig	chr12_132887021
chr7	10973367	10973367	+	7.527E-12	6.9682E-11	-0.22188	hypo	sig	chr7_10973367
chr11	68374869	68374869	+	7.529E-12	6.9699E-11	0.200392	hyper	sig	chr11_68374869
chr4	7650334	7650334	+	7.532E-12	6.9728E-11	-0.26575	hypo	sig	chr4_7650334
chr18	60010284	60010284	+	7.536E-12	6.9761E-11	-0.24745	hypo	sig	chr18_60010284
chr7	533414	533414	+	7.55E-12	6.989E-11	-0.31008	hypo	sig	chr7_533414
chr16	70703468	70703468	+	7.553E-12	6.9915E-11	0.275334	hyper	sig	chr16_70703468
chr1	1.48E+08	148329696	+	7.556E-12	6.9939E-11	0.234839	hyper	sig	chr1_148329696
chr15	40105806	40105806	+	7.557E-12	6.9946E-11	-0.24077	hypo	sig	chr15_40105806
chr19	53942689	53942689	+	7.557E-12	6.9946E-11	0.316926	hyper	sig	chr19_53942689
chr11	2155258	2155258	+	7.56E-12	6.9971E-11	-0.2858	hypo	sig	chr11_2155258
chr6	1.46E+08	146434505	+	7.561E-12	6.9978E-11	0.295844	hyper	sig	chr6_146434505
chr12	1.32E+08	132394364	+	7.566E-12	7.0024E-11	-0.23057	hypo	sig	chr12_132394364
chr2	66439591	66439591	+	7.57E-12	7.0061E-11	0.249385	hyper	sig	chr2_66439591
chr11	1.35E+08	134959471	+	7.574E-12	7.0094E-11	-0.22478	hypo	sig	chr11_134959471
chr19	38813302	38813302	+	7.58E-12	7.0156E-11	-0.27627	hypo	sig	chr19_38813302
chr13	1.11E+08	111422529	+	7.588E-12	7.0223E-11	-0.22673	hypo	sig	chr13_111422529
chr10	1.33E+08	132685332	+	7.59E-12	7.0245E-11	-0.26972	hypo	sig	chr10_132685332
chr19	48640180	48640180	+	7.6E-12	7.0331E-11	-0.28903	hypo	sig	chr19_48640180
chr10	27745924	27745924	+	7.601E-12	7.0338E-11	0.207122	hyper	sig	chr10_27745924
chr12	1.31E+08	130934193	+	7.604E-12	7.0371E-11	-0.24435	hypo	sig	chr12_130934193
chr10	1.34E+08	133528064	+	7.606E-12	7.0389E-11	0.281978	hyper	sig	chr10_133528064
chr12	33440183	33440183	+	7.617E-12	7.048E-11	0.286896	hyper	sig	chr12_33440183
chr2	2.4E+08	239746193	+	7.617E-12	7.0484E-11	0.201534	hyper	sig	chr2_239746193

chr1	1.77E+08	177171467	+	7.618E-12	7.0489E-11	0.2524	hyper	sig	chr1_177171467
chr3	1.96E+08	195720006	+	7.618E-12	7.0494E-11	-0.24559	hypo	sig	chr3_195720006
chr20	58514952	58514952	+	7.62E-12	7.0505E-11	0.229607	hyper	sig	chr20_58514952
chr14	99792912	99792912	+	7.625E-12	7.0556E-11	0.240703	hyper	sig	chr14_99792912
chr1	2.24E+08	223748722	+	7.631E-12	7.0605E-11	0.365539	hyper	sig	chr1_223748722
chr7	27145249	27145249	+	7.633E-12	7.0626E-11	0.242778	hyper	sig	chr7_27145249
chr2	1.72E+08	172087401	+	7.644E-12	7.0724E-11	0.225033	hyper	sig	chr2_172087401
chr14	1.04E+08	103523428	+	7.645E-12	7.073E-11	0.21364	hyper	sig	chr14_103523428
chr17	4901093	4901093	+	7.646E-12	7.0734E-11	0.233015	hyper	sig	chr17_4901093
chr14	1.05E+08	105249678	+	7.647E-12	7.075E-11	0.211026	hyper	sig	chr14_105249678
chr8	1.45E+08	144713729	+	7.651E-12	7.0783E-11	0.333205	hyper	sig	chr8_144713729
chr7	1.28E+08	127589195	+	7.654E-12	7.0807E-11	0.29738	hyper	sig	chr7_127589195
chr8	26046403	26046403	+	7.657E-12	7.0834E-11	0.214047	hyper	sig	chr8_26046403
chr14	47675815	47675815	+	7.659E-12	7.0853E-11	0.215999	hyper	sig	chr14_47675815
chr4	47486624	47486624	+	7.669E-12	7.0937E-11	0.22313	hyper	sig	chr4_47486624
chr5	2008295	2008295	+	7.672E-12	7.0971E-11	0.218456	hyper	sig	chr5_2008295
chr2	1.05E+08	105144452	+	7.673E-12	7.0977E-11	0.200824	hyper	sig	chr2_105144452
chr3	42877054	42877054	+	7.676E-12	7.1001E-11	-0.2154	hypo	sig	chr3_42877054
chr5	1.41E+08	141431467	+	7.677E-12	7.1011E-11	0.284291	hyper	sig	chr5_141431467
chr14	1E+08	100297399	+	7.681E-12	7.1046E-11	0.230671	hyper	sig	chr14_100297399
chr18	79361816	79361816	+	7.685E-12	7.1077E-11	-0.2269	hypo	sig	chr18_79361816
chr11	65592787	65592787	+	7.687E-12	7.1099E-11	0.280834	hyper	sig	chr11_65592787
chr19	55377908	55377908	+	7.692E-12	7.1138E-11	0.304967	hyper	sig	chr19_55377908
chr5	1.73E+08	173236683	+	7.693E-12	7.1147E-11	0.280494	hyper	sig	chr5_173236683
chr2	2.28E+08	228181920	+	7.696E-12	7.1175E-11	0.253931	hyper	sig	chr2_228181920
chr3	13042224	13042224	+	7.698E-12	7.1196E-11	-0.25279	hypo	sig	chr3_13042224
chr19	52493217	52493217	+	7.698E-12	7.1198E-11	0.349686	hyper	sig	chr19_52493217
chr8	13130963	13130963	+	7.702E-12	7.1226E-11	0.24551	hyper	sig	chr8_13130963
chr12	1.32E+08	132445975	+	7.703E-12	7.1234E-11	-0.21196	hypo	sig	chr12_132445975
chr19	7931848	7931848	+	7.708E-12	7.1281E-11	0.213151	hyper	sig	chr19_7931848
chr4	1.74E+08	173517738	+	7.713E-12	7.1326E-11	0.209347	hyper	sig	chr4_173517738
chr1	34176628	34176628	+	7.719E-12	7.1384E-11	0.229099	hyper	sig	chr1_34176628
chr12	49955546	49955546	+	7.721E-12	7.1397E-11	0.271797	hyper	sig	chr12_49955546
chr5	1.4E+08	139708731	+	7.721E-12	7.1401E-11	-0.27638	hypo	sig	chr5_139708731
chr1	2.28E+08	227541849	+	7.723E-12	7.1416E-11	0.264556	hyper	sig	chr1_227541849
chr1	10671152	10671152	+	7.723E-12	7.1419E-11	0.223558	hyper	sig	chr1_10671152
chr2	2.41E+08	240918808	+	7.731E-12	7.1482E-11	-0.20083	hypo	sig	chr2_240918808
chr3	1.43E+08	142595638	+	7.731E-12	7.1484E-11	-0.21746	hypo	sig	chr3_142595638
chr2	25229493	25229493	+	7.733E-12	7.1501E-11	0.247448	hyper	sig	chr2_25229493
chr15	79282431	79282431	+	7.738E-12	7.1545E-11	0.258746	hyper	sig	chr15_79282431
chr5	1.77E+08	177384015	+	7.74E-12	7.1564E-11	-0.23137	hypo	sig	chr5_177384015
chr6	35141708	35141708	+	7.748E-12	7.1638E-11	-0.23417	hypo	sig	chr6_35141708
chr12	81078318	81078318	+	7.752E-12	7.1676E-11	0.212299	hyper	sig	chr12_81078318
chr14	90518214	90518214	+	7.753E-12	7.1681E-11	0.274679	hyper	sig	chr14_90518214
chr19	40219689	40219689	+	7.753E-12	7.1682E-11	-0.26496	hypo	sig	chr19_40219689
chr5	1.72E+08	172443871	+	7.758E-12	7.1719E-11	0.213727	hyper	sig	chr5_172443871
chr5	1446081	1446081	+	7.759E-12	7.1733E-11	0.245386	hyper	sig	chr5_1446081
chr11	10451453	10451453	+	7.766E-12	7.1797E-11	-0.21652	hypo	sig	chr11_10451453
chr12	1.17E+08	116926403	+	7.767E-12	7.1801E-11	0.225602	hyper	sig	chr12_116926403
chr9	1.37E+08	136843272	+	7.768E-12	7.1806E-11	0.221442	hyper	sig	chr9_136843272
chr11	46361433	46361433	+	7.768E-12	7.1811E-11	0.311398	hyper	sig	chr11_46361433
chr15	93089667	93089667	+	7.769E-12	7.1817E-11	0.209841	hyper	sig	chr15_93089667
chr1	1.47E+08	147072490	+	7.769E-12	7.1819E-11	0.226637	hyper	sig	chr1_147072490
chr5	1.46E+08	146334208	+	7.775E-12	7.1868E-11	0.237255	hyper	sig	chr5_146334208
chr18	75455494	75455494	+	7.776E-12	7.1875E-11	0.201158	hyper	sig	chr18_75455494
chr2	2.41E+08	240646501	+	7.778E-12	7.1894E-11	-0.25267	hypo	sig	chr2_240646501

chr1	14599540	14599540	+	7.781E-12	7.1923E-11	0.217564	hyper	sig	chr1_14599540
chr16	1962706	1962706	+	7.781E-12	7.1926E-11	-0.25842	hypo	sig	chr16_1962706
chr11	1.3E+08	130189682	+	7.782E-12	7.1934E-11	-0.22038	hypo	sig	chr11_130189682
chr10	84237431	84237431	+	7.783E-12	7.1937E-11	0.231073	hyper	sig	chr10_84237431
chr14	1.05E+08	104569800	+	7.784E-12	7.1951E-11	0.21024	hyper	sig	chr14_104569800
chr10	1.32E+08	132221431	+	7.786E-12	7.1963E-11	-0.23611	hypo	sig	chr10_132221431
chr1	27564956	27564956	+	7.791E-12	7.2008E-11	0.269853	hyper	sig	chr1_27564956
chr2	2.41E+08	240831926	+	7.791E-12	7.2015E-11	0.219797	hyper	sig	chr2_240831926
chr1	3550626	3550626	+	7.808E-12	7.2166E-11	-0.22203	hypo	sig	chr1_3550626
chr13	27976894	27976894	+	7.81E-12	7.2181E-11	0.371943	hyper	sig	chr13_27976894
chr19	3798402	3798402	+	7.811E-12	7.2192E-11	-0.27391	hypo	sig	chr19_3798402
chr13	38687032	38687032	+	7.814E-12	7.222E-11	0.219425	hyper	sig	chr13_38687032
chr14	1.04E+08	103718867	+	7.815E-12	7.2227E-11	0.277527	hyper	sig	chr14_103718867
chr1	2.43E+08	243101770	+	7.817E-12	7.224E-11	0.219141	hyper	sig	chr1_243101770
chr3	1.34E+08	133674172	+	7.827E-12	7.2332E-11	0.218652	hyper	sig	chr3_133674172
chr17	42685245	42685245	+	7.827E-12	7.2332E-11	0.221643	hyper	sig	chr17_42685245
chr17	45844981	45844981	+	7.828E-12	7.2338E-11	-0.30215	hypo	sig	chr17_45844981
chr8	96644783	96644783	+	7.832E-12	7.2374E-11	-0.24542	hypo	sig	chr8_96644783
chr8	66963318	66963318	+	7.832E-12	7.2376E-11	0.32007	hyper	sig	chr8_66963318
chr10	80596810	80596810	+	7.834E-12	7.2397E-11	-0.21954	hypo	sig	chr10_80596810
chr11	8262657	8262657	+	7.837E-12	7.2417E-11	0.241774	hyper	sig	chr11_8262657
chr19	4455918	4455918	+	7.838E-12	7.2425E-11	0.2385	hyper	sig	chr19_4455918
chr14	69850375	69850375	+	7.839E-12	7.2432E-11	-0.26936	hypo	sig	chr14_69850375
chr19	57709204	57709204	+	7.845E-12	7.2488E-11	0.23061	hyper	sig	chr19_57709204
chr16	89343786	89343786	+	7.845E-12	7.2489E-11	-0.2273	hypo	sig	chr16_89343786
chr17	76492773	76492773	+	7.848E-12	7.2519E-11	-0.31789	hypo	sig	chr17_76492773
chr9	1.37E+08	136846419	+	7.849E-12	7.2525E-11	0.258027	hyper	sig	chr9_136846419
chr1	1.55E+08	154970052	+	7.851E-12	7.2538E-11	0.212699	hyper	sig	chr1_154970052
chr1	1.19E+08	118985472	+	7.851E-12	7.2543E-11	0.258441	hyper	sig	chr1_118985472
chr16	89060399	89060399	+	7.852E-12	7.2545E-11	-0.34811	hypo	sig	chr16_89060399
chr10	1.21E+08	120947762	+	7.853E-12	7.2559E-11	-0.22617	hypo	sig	chr10_120947762
chr19	49527802	49527802	+	7.854E-12	7.2564E-11	0.212684	hyper	sig	chr19_49527802
chr17	48722124	48722124	+	7.86E-12	7.2618E-11	0.228978	hyper	sig	chr17_48722124
chr8	98939439	98939439	+	7.86E-12	7.262E-11	0.245419	hyper	sig	chr8_98939439
chr5	1.41E+08	141174107	+	7.864E-12	7.2654E-11	0.207303	hyper	sig	chr5_141174107
chr20	31721153	31721153	+	7.866E-12	7.2667E-11	-0.23976	hypo	sig	chr20_31721153
chr20	37344915	37344915	+	7.866E-12	7.267E-11	-0.24427	hypo	sig	chr20_37344915
chr10	1.31E+08	131061386	+	7.879E-12	7.2789E-11	-0.20946	hypo	sig	chr10_131061386
chr3	1.58E+08	158102734	+	7.894E-12	7.2921E-11	0.279419	hyper	sig	chr3_158102734
chr10	1.25E+08	124601495	+	7.895E-12	7.2936E-11	-0.22371	hypo	sig	chr10_124601495
chr9	1.37E+08	136847333	+	7.898E-12	7.2954E-11	0.209073	hyper	sig	chr9_136847333
chr6	3752518	3752518	+	7.902E-12	7.2997E-11	0.214073	hyper	sig	chr6_3752518
chr16	67967536	67967536	+	7.903E-12	7.3005E-11	0.270662	hyper	sig	chr16_67967536
chr10	1.33E+08	132940974	+	7.904E-12	7.3008E-11	-0.28389	hypo	sig	chr10_132940974
chr7	86643945	86643945	+	7.905E-12	7.3019E-11	0.246084	hyper	sig	chr7_86643945
chr8	1.44E+08	143733041	+	7.912E-12	7.3079E-11	-0.26985	hypo	sig	chr8_143733041
chr20	21702200	21702200	+	7.915E-12	7.3102E-11	0.217064	hyper	sig	chr20_21702200
chr2	2.41E+08	240818851	+	7.915E-12	7.3105E-11	0.240796	hyper	sig	chr2_240818851
chr11	6571464	6571464	+	7.919E-12	7.314E-11	0.259841	hyper	sig	chr11_6571464
chr8	1974953	1974953	+	7.922E-12	7.3167E-11	0.206075	hyper	sig	chr8_1974953
chr9	77017011	77017011	+	7.922E-12	7.3171E-11	0.234723	hyper	sig	chr9_77017011
chr10	1.3E+08	129968137	+	7.924E-12	7.318E-11	0.223719	hyper	sig	chr10_129968137
chr13	57631968	57631968	+	7.924E-12	7.3181E-11	0.251429	hyper	sig	chr13_57631968
chr15	67826188	67826188	+	7.924E-12	7.3184E-11	0.21129	hyper	sig	chr15_67826188
chr16	88969140	88969140	+	7.933E-12	7.3261E-11	0.259408	hyper	sig	chr16_88969140
chr18	14999826	14999826	+	7.934E-12	7.3267E-11	0.248609	hyper	sig	chr18_14999826

chr5	1.75E+08	175445094	+	7.934E-12	7.3273E-11	0.26529	hyper	sig	chr5_175445094
chr17	79178129	79178129	+	7.935E-12	7.3278E-11	-0.22222	hypo	sig	chr17_79178129
chr16	87642647	87642647	+	7.935E-12	7.3279E-11	-0.23213	hypo	sig	chr16_87642647
chr3	1.65E+08	165196356	+	7.936E-12	7.3288E-11	0.212217	hyper	sig	chr3_165196356
chr5	1284565	1284565	+	7.938E-12	7.33E-11	-0.22095	hypo	sig	chr5_1284565
chr18	37274325	37274325	+	7.938E-12	7.3303E-11	0.249298	hyper	sig	chr18_37274325
chr17	246577	246577	+	7.939E-12	7.3315E-11	-0.20291	hypo	sig	chr17_246577
chr6	1.7E+08	170423206	+	7.951E-12	7.3419E-11	0.217054	hyper	sig	chr6_170423206
chr4	1577560	1577560	+	7.951E-12	7.342E-11	0.233318	hyper	sig	chr4_1577560
chr1	1457006	1457006	+	7.955E-12	7.3452E-11	-0.23227	hypo	sig	chr1_1457006
chr3	1.29E+08	129001354	+	7.958E-12	7.3477E-11	0.243679	hyper	sig	chr3_129001354
chr4	1.72E+08	171813302	+	7.959E-12	7.3484E-11	0.227502	hyper	sig	chr4_171813302
chr10	1.32E+08	132037219	+	7.96E-12	7.3494E-11	0.207227	hyper	sig	chr10_132037219
chr9	1.22E+08	122225673	+	7.965E-12	7.3538E-11	0.260358	hyper	sig	chr9_122225673
chr17	47847592	47847592	+	7.969E-12	7.358E-11	0.258464	hyper	sig	chr17_47847592
chr12	1.07E+08	106585869	+	7.971E-12	7.3593E-11	0.220981	hyper	sig	chr12_106585869
chr12	75305588	75305588	+	7.971E-12	7.3597E-11	-0.23146	hypo	sig	chr12_75305588
chr2	1843160	1843160	+	7.973E-12	7.3611E-11	-0.2126	hypo	sig	chr2_1843160
chr3	1.28E+08	128492093	+	7.975E-12	7.3624E-11	0.220338	hyper	sig	chr3_128492093
chr5	3843981	3843981	+	7.975E-12	7.3628E-11	0.245886	hyper	sig	chr5_3843981
chr5	1.41E+08	140672409	+	7.977E-12	7.3648E-11	0.237009	hyper	sig	chr5_140672409
chr7	23710154	23710154	+	7.979E-12	7.3666E-11	-0.24834	hypo	sig	chr7_23710154
chr11	72581358	72581358	+	7.985E-12	7.3718E-11	-0.29689	hypo	sig	chr11_72581358
chr10	8037176	8037176	+	7.986E-12	7.3719E-11	0.328787	hyper	sig	chr10_8037176
chr17	34157096	34157096	+	7.987E-12	7.3734E-11	0.239841	hyper	sig	chr17_34157096
chr12	57621244	57621244	+	7.988E-12	7.3745E-11	0.239875	hyper	sig	chr12_57621244
chr5	2197187	2197187	+	7.989E-12	7.3747E-11	0.228099	hyper	sig	chr5_2197187
chr1	1.62E+08	162378220	+	7.993E-12	7.3781E-11	0.200748	hyper	sig	chr1_162378220
chr1	2.48E+08	247531196	+	8.001E-12	7.3853E-11	0.218415	hyper	sig	chr1_247531196
chr5	1.41E+08	141172942	+	8.006E-12	7.3902E-11	0.221585	hyper	sig	chr5_141172942
chr17	1493084	1493084	+	8.016E-12	7.3992E-11	0.202131	hyper	sig	chr17_1493084
chr12	1.25E+08	124539889	+	8.018E-12	7.4007E-11	-0.22805	hypo	sig	chr12_124539889
chr4	17781851	17781851	+	8.019E-12	7.4016E-11	0.244089	hyper	sig	chr4_17781851
chr19	49691835	49691835	+	8.026E-12	7.4078E-11	0.248152	hyper	sig	chr19_49691835
chr4	41873453	41873453	+	8.028E-12	7.4098E-11	0.361186	hyper	sig	chr4_41873453
chr20	46010792	46010792	+	8.034E-12	7.4148E-11	0.209119	hyper	sig	chr20_46010792
chr2	2.08E+08	207767648	+	8.035E-12	7.4154E-11	-0.23699	hypo	sig	chr2_207767648
chr7	1412407	1412407	+	8.036E-12	7.4161E-11	-0.22785	hypo	sig	chr7_1412407
chr16	88957157	88957157	+	8.036E-12	7.4162E-11	-0.22387	hypo	sig	chr16_88957157
chr16	31224394	31224394	+	8.037E-12	7.4174E-11	0.285459	hyper	sig	chr16_31224394
chr19	1444966	1444966	+	8.057E-12	7.4351E-11	0.252117	hyper	sig	chr19_1444966
chr1	78491629	78491629	+	8.06E-12	7.4373E-11	0.248786	hyper	sig	chr1_78491629
chr16	81780460	81780460	+	8.072E-12	7.4477E-11	-0.2938	hypo	sig	chr16_81780460
chr16	70451157	70451157	+	8.077E-12	7.4522E-11	0.248213	hyper	sig	chr16_70451157
chr17	75784095	75784095	+	8.091E-12	7.4642E-11	-0.21288	hypo	sig	chr17_75784095
chr22	39654925	39654925	+	8.091E-12	7.4642E-11	-0.23608	hypo	sig	chr22_39654925
chr8	1.44E+08	144107738	+	8.093E-12	7.4661E-11	0.229253	hyper	sig	chr8_144107738
chr12	1.33E+08	132524154	+	8.093E-12	7.4665E-11	-0.20335	hypo	sig	chr12_132524154
chr14	1.01E+08	101460967	+	8.093E-12	7.4665E-11	-0.26372	hypo	sig	chr14_101460967
chr15	55589048	55589048	+	8.094E-12	7.4665E-11	0.215577	hyper	sig	chr15_55589048
chr7	1.3E+08	130488579	+	8.096E-12	7.469E-11	0.245135	hyper	sig	chr7_130488579
chr1	7070019	7070019	+	8.097E-12	7.4691E-11	0.257024	hyper	sig	chr1_7070019
chr12	55935873	55935873	+	8.103E-12	7.4745E-11	0.26408	hyper	sig	chr12_55935873
chr2	2.32E+08	232455873	+	8.109E-12	7.4797E-11	-0.20959	hypo	sig	chr2_232455873
chr13	25096049	25096049	+	8.11E-12	7.481E-11	0.232895	hyper	sig	chr13_25096049
chr10	1.32E+08	132023780	+	8.111E-12	7.4819E-11	0.242045	hyper	sig	chr10_132023780

chr10	1808189	1808189	+	8.116E-12	7.4862E-11	-0.20605	hypo	sig	chr10_1808189
chr6	1E+08	100457569	+	8.119E-12	7.4891E-11	0.23585	hyper	sig	chr6_100457569
chr2	80324256	80324256	+	8.12E-12	7.4891E-11	-0.26935	hypo	sig	chr2_80324256
chr16	88938618	88938618	+	8.123E-12	7.4919E-11	-0.22716	hypo	sig	chr16_88938618
chr14	68807563	68807563	+	8.123E-12	7.4924E-11	0.226789	hyper	sig	chr14_68807563
chr6	32087068	32087068	+	8.126E-12	7.4949E-11	-0.22119	hypo	sig	chr6_32087068
chr16	7304365	7304365	+	8.131E-12	7.4989E-11	0.211884	hyper	sig	chr16_7304365
chr17	43402275	43402275	+	8.131E-12	7.4989E-11	0.209117	hyper	sig	chr17_43402275
chr17	15917799	15917799	+	8.132E-12	7.5E-11	0.350991	hyper	sig	chr17_15917799
chr1	92481353	92481353	+	8.137E-12	7.5044E-11	0.294359	hyper	sig	chr1_92481353
chr3	79300482	79300482	+	8.139E-12	7.5061E-11	-0.20971	hypo	sig	chr3_79300482
chr17	79987882	79987882	+	8.143E-12	7.5101E-11	-0.30902	hypo	sig	chr17_79987882
chr4	6779799	6779799	+	8.147E-12	7.5131E-11	-0.2411	hypo	sig	chr4_6779799
chr11	72639433	72639433	+	8.148E-12	7.514E-11	-0.29491	hypo	sig	chr11_72639433
chr19	53787796	53787796	+	8.15E-12	7.5155E-11	-0.21951	hypo	sig	chr19_53787796
chr10	79243900	79243900	+	8.15E-12	7.5158E-11	0.224646	hyper	sig	chr10_79243900
chr15	96052978	96052978	+	8.158E-12	7.5224E-11	-0.21246	hypo	sig	chr15_96052978
chr17	36939208	36939208	+	8.161E-12	7.5255E-11	0.259619	hyper	sig	chr17_36939208
chr16	1088336	1088336	+	8.167E-12	7.5301E-11	-0.23981	hypo	sig	chr16_1088336
chr1	1.65E+08	164576466	+	8.168E-12	7.5316E-11	0.289659	hyper	sig	chr1_164576466
chr1	1.55E+08	155062557	+	8.173E-12	7.5356E-11	0.217538	hyper	sig	chr1_155062557
chr13	87677545	87677545	+	8.173E-12	7.5359E-11	0.246659	hyper	sig	chr13_87677545
chr6	1625154	1625154	+	8.177E-12	7.5389E-11	0.26113	hyper	sig	chr6_1625154
chr4	8691102	8691102	+	8.179E-12	7.5409E-11	-0.23608	hypo	sig	chr4_8691102
chr16	88118539	88118539	+	8.182E-12	7.5438E-11	-0.20962	hypo	sig	chr16_88118539
chr1	1.57E+08	156845180	+	8.191E-12	7.5518E-11	0.267312	hyper	sig	chr1_156845180
chr11	511660	511660	+	8.195E-12	7.5557E-11	0.2084	hyper	sig	chr11_511660
chr17	1056268	1056268	+	8.2E-12	7.5601E-11	0.243989	hyper	sig	chr17_1056268
chr5	1.41E+08	141393614	+	8.201E-12	7.5606E-11	0.246258	hyper	sig	chr5_141393614
chr19	9363204	9363204	+	8.213E-12	7.5717E-11	0.276214	hyper	sig	chr19_9363204
chr5	1.73E+08	173243827	+	8.217E-12	7.5749E-11	0.30301	hyper	sig	chr5_173243827
chr11	2149601	2149601	+	8.226E-12	7.5837E-11	-0.23631	hypo	sig	chr11_2149601
chr19	55640326	55640326	+	8.229E-12	7.5856E-11	0.235216	hyper	sig	chr19_55640326
chr12	49544223	49544223	+	8.235E-12	7.5911E-11	0.270312	hyper	sig	chr12_49544223
chr2	2.32E+08	232455974	+	8.243E-12	7.5982E-11	-0.2694	hypo	sig	chr2_232455974
chr14	28768271	28768271	+	8.245E-12	7.6001E-11	0.309192	hyper	sig	chr14_28768271
chr8	48682957	48682957	+	8.249E-12	7.6035E-11	-0.25437	hypo	sig	chr8_48682957
chr7	20779227	20779227	+	8.257E-12	7.6107E-11	0.246688	hyper	sig	chr7_20779227
chr6	1.5E+08	149965736	+	8.261E-12	7.6145E-11	0.240491	hyper	sig	chr6_149965736
chr2	291003	291003	+	8.262E-12	7.6154E-11	-0.25974	hypo	sig	chr2_291003
chr4	1.9E+08	190018086	+	8.263E-12	7.6161E-11	0.205045	hyper	sig	chr4_190018086
chr10	3118965	3118965	+	8.267E-12	7.6202E-11	-0.23309	hypo	sig	chr10_3118965
chr5	4230790	4230790	+	8.276E-12	7.6278E-11	0.216144	hyper	sig	chr5_4230790
chr7	27113350	27113350	+	8.285E-12	7.6358E-11	0.34709	hyper	sig	chr7_27113350
chr19	35139570	35139570	+	8.287E-12	7.6373E-11	0.26057	hyper	sig	chr19_35139570
chr12	57767020	57767020	+	8.292E-12	7.642E-11	0.219733	hyper	sig	chr12_57767020
chr9	1.37E+08	137175278	+	8.293E-12	7.6429E-11	0.273986	hyper	sig	chr9_137175278
chr6	387353	387353	+	8.296E-12	7.6451E-11	-0.22752	hypo	sig	chr6_387353
chr14	69548151	69548151	+	8.298E-12	7.6467E-11	0.266054	hyper	sig	chr14_69548151
chr4	1082367	1082367	+	8.307E-12	7.6545E-11	-0.24848	hypo	sig	chr4_1082367
chr1	2.26E+08	225898220	+	8.308E-12	7.6562E-11	-0.22835	hypo	sig	chr1_225898220
chr1	2E+08	200042361	+	8.309E-12	7.6571E-11	0.243302	hyper	sig	chr1_200042361
chr19	35115973	35115973	+	8.315E-12	7.6619E-11	-0.22764	hypo	sig	chr19_35115973
chr5	1854839	1854839	+	8.317E-12	7.6637E-11	-0.23768	hypo	sig	chr5_1854839
chr1	27545792	27545792	+	8.319E-12	7.6657E-11	0.264318	hyper	sig	chr1_27545792
chr8	1.41E+08	141170064	+	8.321E-12	7.6667E-11	0.232723	hyper	sig	chr8_141170064

chr7	48847979	48847979	+	8.329E-12	7.6741E-11	0.237353	hyper	sig	chr7_48847979
chr10	1.01E+08	100652231	+	8.331E-12	7.6765E-11	-0.25868	hypo	sig	chr10_100652231
chr7	1.28E+08	128201290	+	8.333E-12	7.6777E-11	0.216853	hyper	sig	chr7_128201290
chr17	52160041	52160041	+	8.334E-12	7.6786E-11	0.248686	hyper	sig	chr17_52160041
chr8	26010640	26010640	+	8.338E-12	7.6826E-11	0.218869	hyper	sig	chr8_26010640
chr8	46105128	46105128	+	8.343E-12	7.6866E-11	-0.22769	hypo	sig	chr8_46105128
chr1	1.51E+08	150513785	+	8.345E-12	7.6883E-11	-0.22575	hypo	sig	chr1_150513785
chr17	1472107	1472107	+	8.346E-12	7.6895E-11	0.237176	hyper	sig	chr17_1472107
chr2	66444350	66444350	+	8.347E-12	7.6897E-11	0.236001	hyper	sig	chr2_66444350
chr14	95318450	95318450	+	8.348E-12	7.6907E-11	-0.20198	hypo	sig	chr14_95318450
chr7	5349731	5349731	+	8.35E-12	7.6924E-11	0.281021	hyper	sig	chr7_5349731
chr10	1.33E+08	132923687	+	8.359E-12	7.701E-11	-0.2451	hypo	sig	chr10_132923687
chr2	74516434	74516434	+	8.36E-12	7.7014E-11	0.297467	hyper	sig	chr2_74516434
chr21	44921152	44921152	+	8.365E-12	7.7054E-11	-0.23386	hypo	sig	chr21_44921152
chr16	19838192	19838192	+	8.366E-12	7.7068E-11	0.209153	hyper	sig	chr16_19838192
chr9	1.37E+08	136748423	+	8.367E-12	7.7074E-11	-0.2249	hypo	sig	chr9_136748423
chr2	2016245	2016245	+	8.369E-12	7.709E-11	-0.24012	hypo	sig	chr2_2016245
chr3	26622058	26622058	+	8.371E-12	7.711E-11	0.333135	hyper	sig	chr3_26622058
chr3	48269042	48269042	+	8.376E-12	7.7155E-11	-0.24428	hypo	sig	chr3_48269042
chr4	1.56E+08	155758855	+	8.379E-12	7.718E-11	0.288302	hyper	sig	chr4_155758855
chr12	6553056	6553056	+	8.38E-12	7.7183E-11	0.245691	hyper	sig	chr12_6553056
chr15	70475046	70475046	+	8.38E-12	7.7187E-11	-0.21079	hypo	sig	chr15_70475046
chr11	66476944	66476944	+	8.384E-12	7.7225E-11	0.214197	hyper	sig	chr11_66476944
chr5	1.79E+08	179220316	+	8.388E-12	7.7254E-11	-0.28119	hypo	sig	chr5_179220316
chr12	1.3E+08	130339329	+	8.39E-12	7.7271E-11	0.272063	hyper	sig	chr12_130339329
chr4	664338	664338	+	8.396E-12	7.7325E-11	0.211073	hyper	sig	chr4_664338
chr9	1.33E+08	133346624	+	8.396E-12	7.7327E-11	0.203992	hyper	sig	chr9_133346624
chr19	17286870	17286870	+	8.411E-12	7.7455E-11	-0.26453	hypo	sig	chr19_17286870
chr2	66581129	66581129	+	8.412E-12	7.7464E-11	0.249832	hyper	sig	chr2_66581129
chr15	70448055	70448055	+	8.413E-12	7.7472E-11	-0.23145	hypo	sig	chr15_70448055
chr17	4476249	4476249	+	8.42E-12	7.7528E-11	-0.21895	hypo	sig	chr17_4476249
chr17	42784640	42784640	+	8.42E-12	7.7528E-11	0.227615	hyper	sig	chr17_42784640
chr5	1573628	1573628	+	8.423E-12	7.7564E-11	-0.25331	hypo	sig	chr5_1573628
chr4	1.39E+08	139280017	+	8.425E-12	7.7579E-11	0.210012	hyper	sig	chr4_139280017
chr11	64060718	64060718	+	8.427E-12	7.7594E-11	0.22639	hyper	sig	chr11_64060718
chr3	1.43E+08	142964385	+	8.432E-12	7.7642E-11	0.277982	hyper	sig	chr3_142964385
chr17	49965578	49965578	+	8.433E-12	7.765E-11	0.231499	hyper	sig	chr17_49965578
chr14	28758735	28758735	+	8.437E-12	7.7679E-11	0.246596	hyper	sig	chr14_28758735
chr1	1354892	1354892	+	8.448E-12	7.7787E-11	-0.30276	hypo	sig	chr1_1354892
chr16	88880572	88880572	+	8.449E-12	7.7789E-11	0.244865	hyper	sig	chr16_88880572
chr7	5297073	5297073	+	8.452E-12	7.7817E-11	-0.21513	hypo	sig	chr7_5297073
chr3	1.27E+08	127036572	+	8.452E-12	7.7818E-11	-0.23758	hypo	sig	chr3_127036572
chr7	1.51E+08	151448183	+	8.457E-12	7.7859E-11	0.242151	hyper	sig	chr7_151448183
chr5	88695400	88695400	+	8.458E-12	7.7869E-11	0.243099	hyper	sig	chr5_88695400
chr16	51113871	51113871	+	8.465E-12	7.7933E-11	0.283509	hyper	sig	chr16_51113871
chr19	23204256	23204256	+	8.467E-12	7.7945E-11	0.220884	hyper	sig	chr19_23204256
chr1	3111814	3111814	+	8.475E-12	7.8015E-11	0.226899	hyper	sig	chr1_3111814
chr11	1.19E+08	118609859	+	8.478E-12	7.8047E-11	-0.21267	hypo	sig	chr11_118609859
chr19	53394653	53394653	+	8.479E-12	7.8057E-11	0.317311	hyper	sig	chr19_53394653
chr16	57620451	57620451	+	8.484E-12	7.8096E-11	-0.2136	hypo	sig	chr16_57620451
chr2	2.38E+08	238494602	+	8.502E-12	7.8261E-11	-0.2256	hypo	sig	chr2_238494602
chr7	1.2E+08	120272562	+	8.504E-12	7.8279E-11	0.211377	hyper	sig	chr7_120272562
chr11	1926513	1926513	+	8.508E-12	7.8308E-11	-0.26848	hypo	sig	chr11_1926513
chr19	30451204	30451204	+	8.509E-12	7.8317E-11	0.237601	hyper	sig	chr19_30451204
chr5	1.73E+08	173234030	+	8.51E-12	7.8325E-11	0.298186	hyper	sig	chr5_173234030
chr11	64238042	64238042	+	8.511E-12	7.8337E-11	-0.23851	hypo	sig	chr11_64238042

chr2	1.72E+08	172080646	+	8.513E-12	7.835E-11	0.209083	hyper	sig	chr2_172080646
chr5	1.79E+08	179314347	+	8.528E-12	7.8487E-11	0.20832	hyper	sig	chr5_179314347
chr10	1.33E+08	133226788	+	8.528E-12	7.8487E-11	-0.21158	hypo	sig	chr10_133226788
chr17	76915479	76915479	+	8.537E-12	7.8568E-11	-0.23401	hypo	sig	chr17_76915479
chr11	17578144	17578144	+	8.539E-12	7.858E-11	-0.24605	hypo	sig	chr11_17578144
chr5	25190913	25190913	+	8.553E-12	7.8708E-11	-0.25268	hypo	sig	chr5_25190913
chr8	23070981	23070981	+	8.553E-12	7.8708E-11	0.237165	hyper	sig	chr8_23070981
chr3	1.27E+08	127193156	+	8.555E-12	7.8723E-11	-0.23385	hypo	sig	chr3_127193156
chr8	54455011	54455011	+	8.555E-12	7.8723E-11	0.241097	hyper	sig	chr8_54455011
chr1	2028119	2028119	+	8.557E-12	7.874E-11	-0.24224	hypo	sig	chr1_2028119
chr2	2.32E+08	231528392	+	8.558E-12	7.875E-11	-0.23329	hypo	sig	chr2_231528392
chr1	1.72E+08	171841117	+	8.563E-12	7.879E-11	0.2193	hyper	sig	chr1_171841117
chr6	30071221	30071221	+	8.566E-12	7.882E-11	0.255757	hyper	sig	chr6_30071221
chr4	61200091	61200091	+	8.577E-12	7.8922E-11	0.214783	hyper	sig	chr4_61200091
chr19	53267620	53267620	+	8.589E-12	7.9023E-11	-0.20379	hypo	sig	chr19_53267620
chr2	1860437	1860437	+	8.589E-12	7.9023E-11	-0.25845	hypo	sig	chr2_1860437
chr11	841376	841376	+	8.589E-12	7.9024E-11	-0.20512	hypo	sig	chr11_841376
chr1	1.14E+08	114154836	+	8.59E-12	7.9034E-11	0.21094	hyper	sig	chr1_114154836
chr17	80192456	80192456	+	8.596E-12	7.9087E-11	0.208466	hyper	sig	chr17_80192456
chr1	2892271	2892271	+	8.598E-12	7.9101E-11	0.257861	hyper	sig	chr1_2892271
chr5	1.8E+08	180127665	+	8.601E-12	7.9131E-11	-0.26616	hypo	sig	chr5_180127665
chr11	1414287	1414287	+	8.602E-12	7.9132E-11	-0.2205	hypo	sig	chr11_1414287
chr3	22990757	22990757	+	8.606E-12	7.9175E-11	-0.22861	hypo	sig	chr3_22990757
chr14	1.05E+08	104575409	+	8.607E-12	7.918E-11	-0.25034	hypo	sig	chr14_104575409
chr15	52798654	52798654	+	8.611E-12	7.9217E-11	0.246003	hyper	sig	chr15_52798654
chr7	19119098	19119098	+	8.612E-12	7.9224E-11	0.233518	hyper	sig	chr7_19119098
chr17	44758320	44758320	+	8.616E-12	7.9256E-11	-0.21273	hypo	sig	chr17_44758320
chr4	41873585	41873585	+	8.624E-12	7.9325E-11	0.357201	hyper	sig	chr4_41873585
chr20	61939189	61939189	+	8.626E-12	7.9347E-11	-0.26321	hypo	sig	chr20_61939189
chr3	1.28E+08	127592176	+	8.627E-12	7.935E-11	-0.23261	hypo	sig	chr3_127592176
chr1	2.34E+08	234206819	+	8.63E-12	7.9377E-11	-0.23347	hypo	sig	chr1_234206819
chr8	1.44E+08	143741876	+	8.633E-12	7.9406E-11	0.243716	hyper	sig	chr8_143741876
chr10	1.32E+08	132140753	+	8.638E-12	7.9451E-11	-0.20767	hypo	sig	chr10_132140753
chr14	92324236	92324236	+	8.641E-12	7.9481E-11	0.217283	hyper	sig	chr14_92324236
chr7	1.5E+08	149692510	+	8.651E-12	7.9565E-11	0.308442	hyper	sig	chr7_149692510
chr7	1.55E+08	155487998	+	8.654E-12	7.959E-11	-0.22917	hypo	sig	chr7_155487998
chr3	6862920	6862920	+	8.655E-12	7.96E-11	0.279783	hyper	sig	chr3_6862920
chr11	75584184	75584184	+	8.656E-12	7.9611E-11	0.251541	hyper	sig	chr11_75584184
chr19	39204394	39204394	+	8.666E-12	7.9702E-11	0.221736	hyper	sig	chr19_39204394
chr1	44617230	44617230	+	8.673E-12	7.9765E-11	0.20001	hyper	sig	chr1_44617230
chr3	13932906	13932906	+	8.683E-12	7.9853E-11	0.273425	hyper	sig	chr3_13932906
chr1	44261388	44261388	+	8.685E-12	7.987E-11	-0.24618	hypo	sig	chr1_44261388
chr4	1.54E+08	153760160	+	8.691E-12	7.9921E-11	0.303143	hyper	sig	chr4_153760160
chr7	56448385	56448385	+	8.698E-12	7.9985E-11	0.244107	hyper	sig	chr7_56448385
chr1	1.57E+08	156844717	+	8.703E-12	8.0026E-11	0.210099	hyper	sig	chr1_156844717
chr9	37938745	37938745	+	8.705E-12	8.0042E-11	0.278195	hyper	sig	chr9_37938745
chr1	1.6E+08	160370990	+	8.707E-12	8.0061E-11	0.218419	hyper	sig	chr1_160370990
chr11	1414259	1414259	+	8.708E-12	8.0065E-11	-0.23808	hypo	sig	chr11_1414259
chr17	80515601	80515601	+	8.719E-12	8.017E-11	-0.22427	hypo	sig	chr17_80515601
chr22	46085694	46085694	+	8.722E-12	8.0191E-11	-0.20001	hypo	sig	chr22_46085694
chr5	1.41E+08	140786992	+	8.727E-12	8.0241E-11	0.2121	hyper	sig	chr5_140786992
chr5	1.41E+08	140926873	+	8.731E-12	8.0277E-11	0.200103	hyper	sig	chr5_140926873
chr6	75202468	75202468	+	8.732E-12	8.0278E-11	0.218811	hyper	sig	chr6_75202468
chr10	1.31E+08	131084776	+	8.733E-12	8.029E-11	-0.21799	hypo	sig	chr10_131084776
chr7	55005311	55005311	+	8.744E-12	8.039E-11	0.220746	hyper	sig	chr7_55005311
chr15	24848345	24848345	+	8.745E-12	8.0399E-11	0.290015	hyper	sig	chr15_24848345

chr11	32428911	32428911	+	8.748E-12	8.0425E-11	0.272561	hyper	sig	chr11_32428911
chr17	61457593	61457593	+	8.75E-12	8.044E-11	0.262879	hyper	sig	chr17_61457593
chr5	1.41E+08	141423140	+	8.756E-12	8.0493E-11	0.226919	hyper	sig	chr5_141423140
chr2	2.06E+08	206444119	+	8.762E-12	8.0544E-11	0.229454	hyper	sig	chr2_206444119
chr4	1535635	1535635	+	8.773E-12	8.0641E-11	-0.21998	hypo	sig	chr4_1535635
chr11	2384974	2384974	+	8.777E-12	8.0679E-11	0.257637	hyper	sig	chr11_2384974
chr5	2757099	2757099	+	8.781E-12	8.0713E-11	0.204905	hyper	sig	chr5_2757099
chr16	31224387	31224387	+	8.783E-12	8.0729E-11	0.28199	hyper	sig	chr16_31224387
chr2	70899632	70899632	+	8.785E-12	8.074E-11	0.20164	hyper	sig	chr2_70899632
chr5	1.55E+08	154691687	+	8.787E-12	8.0764E-11	0.226201	hyper	sig	chr5_154691687
chr6	10382623	10382623	+	8.788E-12	8.0767E-11	0.249825	hyper	sig	chr6_10382623
chr12	63821906	63821906	+	8.789E-12	8.0778E-11	0.239012	hyper	sig	chr12_63821906
chr17	35448774	35448774	+	8.8E-12	8.0878E-11	0.201745	hyper	sig	chr17_35448774
chr15	57299855	57299855	+	8.809E-12	8.0958E-11	-0.25974	hypo	sig	chr15_57299855
chr11	17774872	17774872	+	8.815E-12	8.1002E-11	-0.3155	hypo	sig	chr11_17774872
chr4	3484312	3484312	+	8.815E-12	8.1002E-11	-0.25823	hypo	sig	chr4_3484312
chr20	44750236	44750236	+	8.815E-12	8.1005E-11	0.318223	hyper	sig	chr20_44750236
chr17	896991	896991	+	8.815E-12	8.1005E-11	0.263682	hyper	sig	chr17_896991
chr15	91856053	91856053	+	8.823E-12	8.1071E-11	-0.28896	hypo	sig	chr15_91856053
chr5	1.3E+08	129903580	+	8.826E-12	8.11E-11	-0.23105	hypo	sig	chr5_129903580
chr16	3192696	3192696	+	8.826E-12	8.1102E-11	0.22991	hyper	sig	chr16_3192696
chr8	1.44E+08	143873167	+	8.83E-12	8.1134E-11	0.213594	hyper	sig	chr8_143873167
chr16	2184030	2184030	+	8.838E-12	8.1205E-11	-0.23718	hypo	sig	chr16_2184030
chr7	1330862	1330862	+	8.844E-12	8.126E-11	0.216036	hyper	sig	chr7_1330862
chr5	2739143	2739143	+	8.845E-12	8.1263E-11	0.26272	hyper	sig	chr5_2739143
chr11	73646050	73646050	+	8.846E-12	8.1277E-11	0.222984	hyper	sig	chr11_73646050
chr14	93786464	93786464	+	8.847E-12	8.1285E-11	-0.20259	hypo	sig	chr14_93786464
chr16	268794	268794	+	8.852E-12	8.1325E-11	-0.24885	hypo	sig	chr16_268794
chr12	64390662	64390662	+	8.856E-12	8.1364E-11	0.225536	hyper	sig	chr12_64390662
chr6	33170212	33170212	+	8.857E-12	8.1366E-11	-0.22679	hypo	sig	chr6_33170212
chr8	43277321	43277321	+	8.859E-12	8.1387E-11	0.220695	hyper	sig	chr8_43277321
chr20	63177400	63177400	+	8.86E-12	8.1395E-11	0.30024	hyper	sig	chr20_63177400
chr11	1.3E+08	130189783	+	8.861E-12	8.1399E-11	-0.21571	hypo	sig	chr11_130189783
chr16	84450106	84450106	+	8.865E-12	8.1431E-11	0.274329	hyper	sig	chr16_84450106
chr8	21914029	21914029	+	8.866E-12	8.1445E-11	-0.21297	hypo	sig	chr8_21914029
chr12	85278007	85278007	+	8.871E-12	8.1486E-11	0.211127	hyper	sig	chr12_85278007
chr6	38704302	38704302	+	8.872E-12	8.1493E-11	0.254934	hyper	sig	chr6_38704302
chr16	89358406	89358406	+	8.875E-12	8.152E-11	-0.21272	hypo	sig	chr16_89358406
chr12	52906516	52906516	+	8.876E-12	8.1525E-11	-0.26307	hypo	sig	chr12_52906516
chr20	40683528	40683528	+	8.877E-12	8.1535E-11	0.286802	hyper	sig	chr20_40683528
chr21	33030318	33030318	+	8.877E-12	8.1538E-11	0.202314	hyper	sig	chr21_33030318
chr9	1.17E+08	117413234	+	8.881E-12	8.1571E-11	0.326846	hyper	sig	chr9_117413234
chr15	1.01E+08	101267189	+	8.882E-12	8.1578E-11	-0.20274	hypo	sig	chr15_101267189
chr2	2.35E+08	235493326	+	8.882E-12	8.1578E-11	0.270022	hyper	sig	chr2_235493326
chr14	1.05E+08	105065677	+	8.882E-12	8.1579E-11	-0.25782	hypo	sig	chr14_105065677
chr1	18632467	18632467	+	8.883E-12	8.1591E-11	0.275435	hyper	sig	chr1_18632467
chr18	12701639	12701639	+	8.886E-12	8.1617E-11	-0.23224	hypo	sig	chr18_12701639
chr2	27752243	27752243	+	8.893E-12	8.1676E-11	-0.2207	hypo	sig	chr2_27752243
chr9	1.36E+08	136200634	+	8.896E-12	8.1701E-11	0.235201	hyper	sig	chr9_136200634
chr1	1.56E+08	156076741	+	8.896E-12	8.1701E-11	0.337187	hyper	sig	chr1_156076741
chr2	6771051	6771051	+	8.899E-12	8.1728E-11	-0.2287	hypo	sig	chr2_6771051
chr15	29112719	29112719	+	8.9E-12	8.173E-11	-0.2315	hypo	sig	chr15_29112719
chr11	65640939	65640939	+	8.908E-12	8.1802E-11	-0.25394	hypo	sig	chr11_65640939
chr6	1449142	1449142	+	8.91E-12	8.1821E-11	-0.21643	hypo	sig	chr6_1449142
chr2	2.39E+08	239109746	+	8.916E-12	8.1873E-11	0.214031	hyper	sig	chr2_239109746
chr3	42936561	42936561	+	8.931E-12	8.2011E-11	0.235303	hyper	sig	chr3_42936561

chr2	96864861	96864861	+	8.931E-12	8.2012E-11	0.202524	hyper	sig	chr2_96864861
chr14	47675772	47675772	+	8.934E-12	8.2033E-11	0.200493	hyper	sig	chr14_47675772
chr20	63973795	63973795	+	8.94E-12	8.2091E-11	0.228244	hyper	sig	chr20_63973795
chr1	1.57E+08	156845737	+	8.941E-12	8.2096E-11	0.211311	hyper	sig	chr1_156845737
chr6	88047678	88047678	+	8.943E-12	8.2114E-11	0.249549	hyper	sig	chr6_88047678
chr14	68628877	68628877	+	8.943E-12	8.2117E-11	-0.24304	hypo	sig	chr14_68628877
chr8	1678531	1678531	+	8.946E-12	8.214E-11	-0.26683	hypo	sig	chr8_1678531
chr7	1236956	1236956	+	8.949E-12	8.2161E-11	0.233091	hyper	sig	chr7_1236956
chr19	2699675	2699675	+	8.953E-12	8.2198E-11	-0.2373	hypo	sig	chr19_2699675
chr17	74851998	74851998	+	8.955E-12	8.2222E-11	-0.23915	hypo	sig	chr17_74851998
chr8	1.42E+08	142454076	+	8.958E-12	8.2244E-11	-0.23016	hypo	sig	chr8_142454076
chr1	33141504	33141504	+	8.959E-12	8.2257E-11	-0.20011	hypo	sig	chr1_33141504
chr5	25911050	25911050	+	8.964E-12	8.2302E-11	-0.26474	hypo	sig	chr5_25911050
chr15	62782683	62782683	+	8.97E-12	8.2354E-11	0.258273	hyper	sig	chr15_62782683
chr3	1.47E+08	147410425	+	8.972E-12	8.2364E-11	0.256959	hyper	sig	chr3_147410425
chr17	38343287	38343287	+	8.974E-12	8.2388E-11	-0.24585	hypo	sig	chr17_38343287
chr16	29664575	29664575	+	8.983E-12	8.2465E-11	-0.28915	hypo	sig	chr16_29664575
chr7	1.56E+08	155534603	+	8.987E-12	8.2498E-11	0.228661	hyper	sig	chr7_155534603
chr20	63400532	63400532	+	8.994E-12	8.2556E-11	-0.23303	hypo	sig	chr20_63400532
chr4	4404341	4404341	+	8.994E-12	8.2556E-11	-0.25264	hypo	sig	chr4_4404341
chr19	45234597	45234597	+	8.997E-12	8.2586E-11	0.302961	hyper	sig	chr19_45234597
chr5	50968665	50968665	+	9.001E-12	8.2619E-11	0.206616	hyper	sig	chr5_50968665
chr10	49441960	49441960	+	9.003E-12	8.2633E-11	0.287162	hyper	sig	chr10_49441960
chr19	54280944	54280944	+	9.003E-12	8.2639E-11	-0.25441	hypo	sig	chr19_54280944
chr5	2129636	2129636	+	9.006E-12	8.2664E-11	0.247345	hyper	sig	chr5_2129636
chr2	1.13E+08	113275952	+	9.007E-12	8.267E-11	0.227742	hyper	sig	chr2_113275952
chr4	17781810	17781810	+	9.007E-12	8.2671E-11	0.232271	hyper	sig	chr4_17781810
chr10	1.34E+08	133622972	+	9.008E-12	8.2674E-11	0.279626	hyper	sig	chr10_133622972
chr5	19988026	19988026	+	9.01E-12	8.2694E-11	0.214492	hyper	sig	chr5_19988026
chr11	30583805	30583805	+	9.012E-12	8.2707E-11	0.304438	hyper	sig	chr11_30583805
chr16	30023105	30023105	+	9.012E-12	8.2709E-11	-0.22205	hypo	sig	chr16_30023105
chr19	19861209	19861209	+	9.014E-12	8.2724E-11	0.228878	hyper	sig	chr19_19861209
chr10	99531457	99531457	+	9.018E-12	8.2761E-11	0.202179	hyper	sig	chr10_99531457
chr11	20605542	20605542	+	9.02E-12	8.2778E-11	0.25079	hyper	sig	chr11_20605542
chr3	9136483	9136483	+	9.022E-12	8.2795E-11	0.278084	hyper	sig	chr3_9136483
chr12	49544214	49544214	+	9.024E-12	8.2815E-11	0.26776	hyper	sig	chr12_49544214
chr1	44645763	44645763	+	9.028E-12	8.2845E-11	0.235892	hyper	sig	chr1_44645763
chr8	1.44E+08	143569827	+	9.03E-12	8.2867E-11	0.267054	hyper	sig	chr8_143569827
chr11	20162584	20162584	+	9.031E-12	8.2873E-11	0.222553	hyper	sig	chr11_20162584
chr19	11538307	11538307	+	9.036E-12	8.2916E-11	-0.21949	hypo	sig	chr19_11538307
chr19	4552562	4552562	+	9.039E-12	8.2941E-11	-0.20419	hypo	sig	chr19_4552562
chr22	50755134	50755134	+	9.055E-12	8.3093E-11	-0.28202	hypo	sig	chr22_50755134
chr12	30824016	30824016	+	9.061E-12	8.3146E-11	-0.25831	hypo	sig	chr12_30824016
chr7	2738404	2738404	+	9.064E-12	8.3167E-11	0.215146	hyper	sig	chr7_2738404
chr2	1.08E+08	107988294	+	9.064E-12	8.3169E-11	-0.22996	hypo	sig	chr2_107988294
chr12	54019256	54019256	+	9.064E-12	8.3172E-11	0.299608	hyper	sig	chr12_54019256
chr22	32180384	32180384	+	9.065E-12	8.3173E-11	-0.24892	hypo	sig	chr22_32180384
chr14	73234125	73234125	+	9.065E-12	8.3176E-11	-0.22133	hypo	sig	chr14_73234125
chr5	1.41E+08	140672432	+	9.067E-12	8.3195E-11	0.228683	hyper	sig	chr5_140672432
chr1	75132439	75132439	+	9.077E-12	8.328E-11	0.265589	hyper	sig	chr1_75132439
chr6	32039854	32039854	+	9.077E-12	8.328E-11	-0.21888	hypo	sig	chr6_32039854
chr16	89557357	89557357	+	9.078E-12	8.3286E-11	0.229581	hyper	sig	chr16_89557357
chr7	1263858	1263858	+	9.079E-12	8.33E-11	-0.2837	hypo	sig	chr7_1263858
chr15	40291056	40291056	+	9.082E-12	8.3326E-11	0.242437	hyper	sig	chr15_40291056
chr6	10883657	10883657	+	9.083E-12	8.3327E-11	0.235022	hyper	sig	chr6_10883657
chr15	29985643	29985643	+	9.083E-12	8.333E-11	-0.30743	hypo	sig	chr15_29985643

chr22	19770647	19770647	+	9.084E-12	8.3335E-11	-0.27265	hypo	sig	chr22_19770647
chr2	1.13E+08	113158284	+	9.106E-12	8.3534E-11	-0.21376	hypo	sig	chr2_113158284
chr5	2754630	2754630	+	9.111E-12	8.3571E-11	0.211496	hyper	sig	chr5_2754630
chr9	1.36E+08	136356351	+	9.115E-12	8.3608E-11	-0.25856	hypo	sig	chr9_136356351
chr7	1.57E+08	156607994	+	9.116E-12	8.3622E-11	0.2786	hyper	sig	chr7_156607994
chr7	27110641	27110641	+	9.117E-12	8.3624E-11	0.235701	hyper	sig	chr7_27110641
chr1	10747672	10747672	+	9.117E-12	8.3629E-11	-0.20488	hypo	sig	chr1_10747672
chr10	99531037	99531037	+	9.119E-12	8.3646E-11	0.332877	hyper	sig	chr10_99531037
chr7	1.59E+08	158955413	+	9.125E-12	8.3698E-11	0.216648	hyper	sig	chr7_158955413
chr7	1.57E+08	157044976	+	9.126E-12	8.3706E-11	0.239425	hyper	sig	chr7_157044976
chr19	1005173	1005173	+	9.13E-12	8.3737E-11	-0.21838	hypo	sig	chr19_1005173
chr20	47973786	47973786	+	9.13E-12	8.3738E-11	-0.23605	hypo	sig	chr20_47973786
chr1	16532659	16532659	+	9.139E-12	8.3819E-11	0.21785	hyper	sig	chr1_16532659
chr6	1.55E+08	155365734	+	9.141E-12	8.384E-11	-0.21629	hypo	sig	chr6_155365734
chr2	1799149	1799149	+	9.146E-12	8.3881E-11	-0.23697	hypo	sig	chr2_1799149
chr12	63821822	63821822	+	9.151E-12	8.3923E-11	0.239048	hyper	sig	chr12_63821822
chr10	79382580	79382580	+	9.153E-12	8.3946E-11	0.230103	hyper	sig	chr10_79382580
chr16	88316155	88316155	+	9.159E-12	8.3999E-11	-0.20709	hypo	sig	chr16_88316155
chr13	1.12E+08	111548303	+	9.167E-12	8.4067E-11	-0.22974	hypo	sig	chr13_111548303
chr20	51004025	51004025	+	9.168E-12	8.4074E-11	-0.22899	hypo	sig	chr20_51004025
chr2	26171704	26171704	+	9.174E-12	8.4129E-11	0.226069	hyper	sig	chr2_26171704
chr11	68981115	68981115	+	9.176E-12	8.4144E-11	-0.25368	hypo	sig	chr11_68981115
chr15	99005818	99005818	+	9.184E-12	8.4208E-11	-0.21499	hypo	sig	chr15_99005818
chr7	73886578	73886578	+	9.191E-12	8.427E-11	0.275567	hyper	sig	chr7_73886578
chr13	78595579	78595579	+	9.192E-12	8.4287E-11	0.201929	hyper	sig	chr13_78595579
chr15	64844910	64844910	+	9.194E-12	8.4301E-11	0.206296	hyper	sig	chr15_64844910
chr22	37825463	37825463	+	9.196E-12	8.4315E-11	0.202979	hyper	sig	chr22_37825463
chr1	1.45E+08	144567531	+	9.198E-12	8.4334E-11	0.215614	hyper	sig	chr1_144567531
chr10	1.33E+08	132722653	+	9.202E-12	8.4366E-11	0.211493	hyper	sig	chr10_132722653
chr3	64268002	64268002	+	9.206E-12	8.4405E-11	0.243651	hyper	sig	chr3_64268002
chr8	6808848	6808848	+	9.206E-12	8.4407E-11	-0.21986	hypo	sig	chr8_6808848
chr7	93046844	93046844	+	9.212E-12	8.4455E-11	-0.21611	hypo	sig	chr7_93046844
chr8	37831396	37831396	+	9.212E-12	8.4457E-11	-0.28365	hypo	sig	chr8_37831396
chr18	11755775	11755775	+	9.217E-12	8.4498E-11	-0.26359	hypo	sig	chr18_11755775
chr7	1004182	1004182	+	9.223E-12	8.4553E-11	-0.23474	hypo	sig	chr7_1004182
chr17	35089906	35089906	+	9.225E-12	8.4571E-11	-0.24685	hypo	sig	chr17_35089906
chr1	27350734	27350734	+	9.229E-12	8.4611E-11	0.23102	hyper	sig	chr1_27350734
chr1	3073529	3073529	+	9.24E-12	8.4708E-11	0.214864	hyper	sig	chr1_3073529
chr1	2175060	2175060	+	9.241E-12	8.4717E-11	0.240205	hyper	sig	chr1_2175060
chr2	2.39E+08	239498990	+	9.252E-12	8.481E-11	-0.28381	hypo	sig	chr2_239498990
chr2	45006286	45006286	+	9.257E-12	8.4856E-11	0.234536	hyper	sig	chr2_45006286
chr6	1.7E+08	170423064	+	9.267E-12	8.4951E-11	0.254028	hyper	sig	chr6_170423064
chr1	1.67E+08	166989129	+	9.27E-12	8.4972E-11	-0.24443	hypo	sig	chr1_166989129
chr17	77383382	77383382	+	9.273E-12	8.5002E-11	0.237566	hyper	sig	chr17_77383382
chr2	37666151	37666151	+	9.276E-12	8.5027E-11	0.246023	hyper	sig	chr2_37666151
chr7	27147374	27147374	+	9.281E-12	8.507E-11	0.209435	hyper	sig	chr7_27147374
chr2	1.61E+08	161416808	+	9.281E-12	8.5071E-11	0.228579	hyper	sig	chr2_161416808
chr3	47010041	47010041	+	9.282E-12	8.5076E-11	0.304465	hyper	sig	chr3_47010041
chr22	21361490	21361490	+	9.291E-12	8.5163E-11	0.273538	hyper	sig	chr22_21361490
chr2	2.19E+08	219497109	+	9.304E-12	8.5275E-11	0.240409	hyper	sig	chr2_219497109
chr22	38871550	38871550	+	9.309E-12	8.532E-11	0.213317	hyper	sig	chr22_38871550
chr1	84620639	84620639	+	9.309E-12	8.5326E-11	-0.23799	hypo	sig	chr1_84620639
chr20	35174697	35174697	+	9.322E-12	8.5434E-11	-0.2704	hypo	sig	chr20_35174697
chr9	85743803	85743803	+	9.324E-12	8.5459E-11	-0.23055	hypo	sig	chr9_85743803
chr7	30682300	30682300	+	9.333E-12	8.5539E-11	0.219588	hyper	sig	chr7_30682300
chr7	27145093	27145093	+	9.338E-12	8.5576E-11	0.225746	hyper	sig	chr7_27145093

chr7	124503	124503	+	9.338E-12	8.5583E-11	-0.26322	hypo	sig	chr7_124503
chr2	11656908	11656908	+	9.341E-12	8.5606E-11	-0.22072	hypo	sig	chr2_11656908
chr22	39376074	39376074	+	9.352E-12	8.5701E-11	-0.29304	hypo	sig	chr22_39376074
chr13	1.14E+08	114015571	+	9.355E-12	8.5726E-11	-0.2931	hypo	sig	chr13_114015571
chr12	14321222	14321222	+	9.359E-12	8.5761E-11	0.228908	hyper	sig	chr12_14321222
chr22	49613755	49613755	+	9.369E-12	8.5852E-11	-0.28504	hypo	sig	chr22_49613755
chr1	3004134	3004134	+	9.37E-12	8.5864E-11	-0.28453	hypo	sig	chr1_3004134
chr12	1.14E+08	114443902	+	9.376E-12	8.5917E-11	0.204301	hyper	sig	chr12_114443902
chr17	82242926	82242926	+	9.389E-12	8.6032E-11	0.228655	hyper	sig	chr17_82242926
chr7	97001851	97001851	+	9.39E-12	8.6039E-11	0.228792	hyper	sig	chr7_97001851
chr16	2966406	2966406	+	9.397E-12	8.6103E-11	0.279371	hyper	sig	chr16_2966406
chr9	1.33E+08	133459005	+	9.4E-12	8.6128E-11	-0.21027	hypo	sig	chr9_133459005
chr4	1.28E+08	128060055	+	9.402E-12	8.614E-11	-0.25153	hypo	sig	chr4_128060055
chr1	34176704	34176704	+	9.406E-12	8.6179E-11	0.20747	hyper	sig	chr1_34176704
chr16	8885268	8885268	+	9.413E-12	8.6242E-11	-0.20215	hypo	sig	chr16_8885268
chr7	2083020	2083020	+	9.422E-12	8.632E-11	0.255555	hyper	sig	chr7_2083020
chr16	28880570	28880570	+	9.424E-12	8.6339E-11	0.264804	hyper	sig	chr16_28880570
chr11	89491541	89491541	+	9.426E-12	8.6355E-11	0.208982	hyper	sig	chr11_89491541
chr8	1.4E+08	140100815	+	9.435E-12	8.6433E-11	0.20705	hyper	sig	chr8_140100815
chr16	1273400	1273400	+	9.437E-12	8.6451E-11	-0.28307	hypo	sig	chr16_1273400
chr5	88889300	88889300	+	9.44E-12	8.648E-11	0.254235	hyper	sig	chr5_88889300
chr1	28580002	28580002	+	9.447E-12	8.6543E-11	-0.23418	hypo	sig	chr1_28580002
chr16	88073482	88073482	+	9.448E-12	8.6548E-11	-0.21749	hypo	sig	chr16_88073482
chr1	10530485	10530485	+	9.451E-12	8.6573E-11	0.338801	hyper	sig	chr1_10530485
chr1	1.98E+08	197921374	+	9.462E-12	8.6675E-11	0.229248	hyper	sig	chr1_197921374
chr1	1.57E+08	156676568	+	9.463E-12	8.6679E-11	0.225101	hyper	sig	chr1_156676568
chr7	1.58E+08	157847967	+	9.463E-12	8.6684E-11	-0.28717	hypo	sig	chr7_157847967
chr7	48847914	48847914	+	9.464E-12	8.6685E-11	0.203498	hyper	sig	chr7_48847914
chr6	1.61E+08	160676381	+	9.466E-12	8.6707E-11	-0.28692	hypo	sig	chr6_160676381
chr11	1.23E+08	122977468	+	9.467E-12	8.6717E-11	0.205362	hyper	sig	chr11_122977468
chr5	1.38E+08	137647684	+	9.47E-12	8.6744E-11	-0.20133	hypo	sig	chr5_137647684
chr12	1.15E+08	114696477	+	9.474E-12	8.6775E-11	0.215091	hyper	sig	chr12_114696477
chr20	63006012	63006012	+	9.474E-12	8.6777E-11	0.260891	hyper	sig	chr20_63006012
chr5	17488770	17488770	+	9.479E-12	8.6823E-11	-0.24098	hypo	sig	chr5_17488770
chr17	29623258	29623258	+	9.48E-12	8.6829E-11	0.288078	hyper	sig	chr17_29623258
chr5	1.41E+08	141392615	+	9.482E-12	8.6846E-11	0.201503	hyper	sig	chr5_141392615
chr19	30224794	30224794	+	9.488E-12	8.6892E-11	0.220914	hyper	sig	chr19_30224794
chr7	1.29E+08	128697671	+	9.514E-12	8.7131E-11	0.281647	hyper	sig	chr7_128697671
chr6	70282347	70282347	+	9.514E-12	8.7132E-11	0.246785	hyper	sig	chr6_70282347
chr16	67164298	67164298	+	9.521E-12	8.7192E-11	0.224728	hyper	sig	chr16_67164298
chr20	46010738	46010738	+	9.521E-12	8.7194E-11	0.207928	hyper	sig	chr20_46010738
chr1	6345634	6345634	+	9.523E-12	8.7208E-11	-0.20745	hypo	sig	chr1_6345634
chr17	5116576	5116576	+	9.525E-12	8.7223E-11	0.239906	hyper	sig	chr17_5116576
chr11	1.19E+08	119339603	+	9.529E-12	8.7261E-11	0.24664	hyper	sig	chr11_119339603
chr20	21701428	21701428	+	9.532E-12	8.7283E-11	0.34623	hyper	sig	chr20_21701428
chr17	52160510	52160510	+	9.535E-12	8.7313E-11	0.242073	hyper	sig	chr17_52160510
chr16	88393189	88393189	+	9.535E-12	8.7315E-11	-0.24985	hypo	sig	chr16_88393189
chr6	41562194	41562194	+	9.537E-12	8.7328E-11	0.262479	hyper	sig	chr6_41562194
chr6	71419806	71419806	+	9.539E-12	8.7348E-11	0.25058	hyper	sig	chr6_71419806
chr16	85136324	85136324	+	9.54E-12	8.7351E-11	-0.24371	hypo	sig	chr16_85136324
chr6	27515138	27515138	+	9.543E-12	8.7378E-11	0.22095	hyper	sig	chr6_27515138
chr21	33024732	33024732	+	9.55E-12	8.7445E-11	0.213351	hyper	sig	chr21_33024732
chr3	1.72E+08	172447965	+	9.552E-12	8.7461E-11	0.279613	hyper	sig	chr3_172447965
chr7	1527962	1527962	+	9.554E-12	8.7479E-11	-0.20349	hypo	sig	chr7_1527962
chr13	87671813	87671813	+	9.555E-12	8.7485E-11	0.265286	hyper	sig	chr13_87671813
chr16	4664577	4664577	+	9.555E-12	8.7487E-11	-0.23272	hypo	sig	chr16_4664577

chr19	45385607	45385607	+	9.557E-12	8.75E-11	0.289331	hyper	sig	chr19_45385607
chr6	1.67E+08	166657119	+	9.558E-12	8.7511E-11	-0.24942	hypo	sig	chr6_166657119
chr1	2.28E+08	228426314	+	9.559E-12	8.7515E-11	-0.25672	hypo	sig	chr1_228426314
chr13	1.13E+08	113141797	+	9.567E-12	8.7587E-11	-0.25097	hypo	sig	chr13_113141797
chr22	45309156	45309156	+	9.568E-12	8.7596E-11	-0.2314	hypo	sig	chr22_45309156
chr5	64165405	64165405	+	9.572E-12	8.7635E-11	0.221465	hyper	sig	chr5_64165405
chr1	1.57E+08	156642595	+	9.576E-12	8.7667E-11	0.275027	hyper	sig	chr1_156642595
chr3	1.28E+08	128485987	+	9.58E-12	8.7707E-11	0.332766	hyper	sig	chr3_128485987
chr4	41878970	41878970	+	9.582E-12	8.7722E-11	0.303965	hyper	sig	chr4_41878970
chr1	2.05E+08	205001249	+	9.587E-12	8.7764E-11	-0.21698	hypo	sig	chr1_205001249
chr17	29623250	29623250	+	9.593E-12	8.7818E-11	0.300532	hyper	sig	chr17_29623250
chr5	1.16E+08	115963391	+	9.596E-12	8.7845E-11	0.268501	hyper	sig	chr5_115963391
chr19	49338816	49338816	+	9.605E-12	8.7922E-11	0.209325	hyper	sig	chr19_49338816
chr15	93430907	93430907	+	9.616E-12	8.8016E-11	-0.20961	hypo	sig	chr15_93430907
chr17	17392129	17392129	+	9.621E-12	8.8066E-11	-0.24258	hypo	sig	chr17_17392129
chr1	1963671	1963671	+	9.643E-12	8.8266E-11	-0.2256	hypo	sig	chr1_1963671
chr10	1.33E+08	133019878	+	9.645E-12	8.8281E-11	-0.22692	hypo	sig	chr10_133019878
chr6	290761	290761	+	9.648E-12	8.8306E-11	-0.23536	hypo	sig	chr6_290761
chr2	3059394	3059394	+	9.655E-12	8.8364E-11	-0.20146	hypo	sig	chr2_3059394
chr11	73310671	73310671	+	9.655E-12	8.8365E-11	0.251433	hyper	sig	chr11_73310671
chr9	19128856	19128856	+	9.659E-12	8.8405E-11	0.277952	hyper	sig	chr9_19128856
chr6	50843214	50843214	+	9.672E-12	8.8515E-11	0.233435	hyper	sig	chr6_50843214
chr11	31799702	31799702	+	9.679E-12	8.8575E-11	0.334622	hyper	sig	chr11_31799702
chr16	29130373	29130373	+	9.686E-12	8.8641E-11	-0.25124	hypo	sig	chr16_29130373
chr5	1.41E+08	141423201	+	9.694E-12	8.871E-11	0.237731	hyper	sig	chr5_141423201
chr3	1.85E+08	184773407	+	9.702E-12	8.8777E-11	0.220999	hyper	sig	chr3_184773407
chr19	2273173	2273173	+	9.702E-12	8.8777E-11	-0.24907	hypo	sig	chr19_2273173
chr2	1.09E+08	109130198	+	9.708E-12	8.8833E-11	0.2275	hyper	sig	chr2_109130198
chr2	2.36E+08	235614718	+	9.709E-12	8.884E-11	-0.23503	hypo	sig	chr2_235614718
chr7	27122531	27122531	+	9.714E-12	8.8881E-11	-0.20368	hypo	sig	chr7_27122531
chr5	73299964	73299964	+	9.715E-12	8.8892E-11	0.23566	hyper	sig	chr5_73299964
chr9	96924925	96924925	+	9.72E-12	8.8936E-11	0.218528	hyper	sig	chr9_96924925
chr12	1.3E+08	130163024	+	9.724E-12	8.897E-11	0.234638	hyper	sig	chr12_130163024
chr5	1959675	1959675	+	9.728E-12	8.8999E-11	-0.25115	hypo	sig	chr5_1959675
chr2	70904449	70904449	+	9.734E-12	8.9057E-11	0.272496	hyper	sig	chr2_70904449
chr20	38674879	38674879	+	9.735E-12	8.906E-11	0.273358	hyper	sig	chr20_38674879
chr16	84042715	84042715	+	9.736E-12	8.9076E-11	-0.22559	hypo	sig	chr16_84042715
chr19	41331151	41331151	+	9.756E-12	8.9255E-11	-0.23948	hypo	sig	chr19_41331151
chr1	2.43E+08	243101776	+	9.76E-12	8.9287E-11	0.220497	hyper	sig	chr1_243101776
chr5	1.81E+08	181114759	+	9.76E-12	8.9287E-11	0.250713	hyper	sig	chr5_181114759
chr16	1311828	1311828	+	9.762E-12	8.9302E-11	0.24524	hyper	sig	chr16_1311828
chr17	77477528	77477528	+	9.763E-12	8.9308E-11	0.24513	hyper	sig	chr17_77477528
chr2	95025452	95025452	+	9.765E-12	8.9326E-11	0.225634	hyper	sig	chr2_95025452
chr13	78595907	78595907	+	9.771E-12	8.9378E-11	0.248204	hyper	sig	chr13_78595907
chr11	2826412	2826412	+	9.772E-12	8.9384E-11	0.228823	hyper	sig	chr11_2826412
chr1	2.37E+08	236687008	+	9.773E-12	8.9392E-11	0.21256	hyper	sig	chr1_236687008
chr4	1.85E+08	185021498	+	9.775E-12	8.9415E-11	0.209826	hyper	sig	chr4_185021498
chr15	66254375	66254375	+	9.777E-12	8.9426E-11	0.22946	hyper	sig	chr15_66254375
chr1	16227687	16227687	+	9.779E-12	8.9444E-11	0.218762	hyper	sig	chr1_16227687
chr12	55637358	55637358	+	9.78E-12	8.9453E-11	-0.22402	hypo	sig	chr12_55637358
chr8	23714184	23714184	+	9.782E-12	8.9467E-11	0.235422	hyper	sig	chr8_23714184
chr7	5354287	5354287	+	9.788E-12	8.9527E-11	0.268382	hyper	sig	chr7_5354287
chr16	2284399	2284399	+	9.791E-12	8.9552E-11	-0.2495	hypo	sig	chr16_2284399
chr11	1040336	1040336	+	9.807E-12	8.9691E-11	-0.26233	hypo	sig	chr11_1040336
chr11	1.25E+08	124868493	+	9.809E-12	8.9709E-11	0.266468	hyper	sig	chr11_124868493
chr16	57801524	57801524	+	9.819E-12	8.9793E-11	0.214632	hyper	sig	chr16_57801524

chr16	1175126	1175126	+	9.82E-12	8.9804E-11	-0.24648	hypo	sig	chr16_1175126
chr7	1940711	1940711	+	9.833E-12	8.992E-11	-0.22577	hypo	sig	chr7_1940711
chr11	64739758	64739758	+	9.84E-12	8.9985E-11	-0.23892	hypo	sig	chr11_64739758
chr5	1.41E+08	141431016	+	9.866E-12	9.0209E-11	0.201838	hyper	sig	chr5_141431016
chr3	9136496	9136496	+	9.873E-12	9.0268E-11	0.267006	hyper	sig	chr3_9136496
chr15	82662905	82662905	+	9.873E-12	9.027E-11	-0.24019	hypo	sig	chr15_82662905
chr19	44812438	44812438	+	9.878E-12	9.0319E-11	-0.25694	hypo	sig	chr19_44812438
chr19	18007416	18007416	+	9.879E-12	9.0324E-11	0.225047	hyper	sig	chr19_18007416
chr5	1.41E+08	141355859	+	9.885E-12	9.0377E-11	0.223875	hyper	sig	chr5_141355859
chr9	97077389	97077389	+	9.888E-12	9.0406E-11	0.304568	hyper	sig	chr9_97077389
chr5	965695	965695	+	9.89E-12	9.0421E-11	-0.23636	hypo	sig	chr5_965695
chr6	55578951	55578951	+	9.892E-12	9.0439E-11	0.261189	hyper	sig	chr6_55578951
chr16	88866780	88866780	+	9.895E-12	9.0456E-11	-0.29804	hypo	sig	chr16_88866780
chr16	88176965	88176965	+	9.899E-12	9.0497E-11	-0.20906	hypo	sig	chr16_88176965
chr1	3068235	3068235	+	9.902E-12	9.0522E-11	0.256089	hyper	sig	chr1_3068235
chr5	1.41E+08	141433024	+	9.909E-12	9.0583E-11	0.203225	hyper	sig	chr5_141433024
chr12	1.27E+08	127456073	+	9.91E-12	9.0585E-11	0.238672	hyper	sig	chr12_127456073
chr7	2678538	2678538	+	9.914E-12	9.0624E-11	-0.20958	hypo	sig	chr7_2678538
chr21	36480058	36480058	+	9.915E-12	9.0628E-11	-0.21176	hypo	sig	chr21_36480058
chr4	108006	108006	+	9.916E-12	9.0641E-11	0.267229	hyper	sig	chr4_108006
chr10	1.33E+08	132817711	+	9.918E-12	9.0653E-11	-0.25161	hypo	sig	chr10_132817711
chr4	5893345	5893345	+	9.928E-12	9.0742E-11	0.206549	hyper	sig	chr4_5893345
chr20	63004845	63004845	+	9.933E-12	9.0791E-11	0.215368	hyper	sig	chr20_63004845
chr7	97020955	97020955	+	9.934E-12	9.0797E-11	0.230866	hyper	sig	chr7_97020955
chr16	29284926	29284926	+	9.934E-12	9.0799E-11	-0.21131	hypo	sig	chr16_29284926
chr17	36728759	36728759	+	9.936E-12	9.0817E-11	0.20716	hyper	sig	chr17_36728759
chr7	1.51E+08	151410909	+	9.937E-12	9.0818E-11	0.241282	hyper	sig	chr7_151410909
chr7	4833729	4833729	+	9.939E-12	9.0836E-11	-0.27509	hypo	sig	chr7_4833729
chr11	62444959	62444959	+	9.94E-12	9.0848E-11	0.207353	hyper	sig	chr11_62444959
chr11	67616569	67616569	+	9.951E-12	9.0949E-11	0.213922	hyper	sig	chr11_67616569
chr9	1.31E+08	131276132	+	9.956E-12	9.0987E-11	-0.21589	hypo	sig	chr9_131276132
chr4	7595845	7595845	+	9.956E-12	9.0991E-11	-0.2158	hypo	sig	chr4_7595845
chr20	32217194	32217194	+	9.964E-12	9.1057E-11	-0.2328	hypo	sig	chr20_32217194
chr1	3673457	3673457	+	9.968E-12	9.1087E-11	-0.25439	hypo	sig	chr1_3673457
chr2	2.4E+08	240320671	+	9.968E-12	9.1092E-11	-0.28386	hypo	sig	chr2_240320671
chr16	86931847	86931847	+	9.97E-12	9.1107E-11	0.266559	hyper	sig	chr16_86931847
chr19	3178957	3178957	+	9.97E-12	9.1108E-11	-0.21127	hypo	sig	chr19_3178957
chr10	1.33E+08	132935141	+	9.98E-12	9.1191E-11	-0.25098	hypo	sig	chr10_132935141
chr14	92514828	92514828	+	9.983E-12	9.122E-11	0.204301	hyper	sig	chr14_92514828
chr8	1520502	1520502	+	9.985E-12	9.1232E-11	-0.23834	hypo	sig	chr8_1520502
chr5	320802	320802	+	9.99E-12	9.1279E-11	0.2105	hyper	sig	chr5_320802
chr16	84930160	84930160	+	9.99E-12	9.1282E-11	-0.22129	hypo	sig	chr16_84930160
chr8	76677673	76677673	+	9.991E-12	9.1283E-11	0.2291	hyper	sig	chr8_76677673
chr5	1.11E+08	111070818	+	9.997E-12	9.1343E-11	0.219767	hyper	sig	chr5_111070818
chr17	57045527	57045527	+	1E-11	9.1388E-11	0.28738	hyper	sig	chr17_57045527
chr9	1.28E+08	127725044	+	1.001E-11	9.1459E-11	-0.31003	hypo	sig	chr9_127725044
chr5	19987970	19987970	+	1.002E-11	9.154E-11	0.211954	hyper	sig	chr5_19987970
chr14	72236910	72236910	+	1.003E-11	9.1659E-11	-0.21265	hypo	sig	chr14_72236910
chr12	13001790	13001790	+	1.004E-11	9.1687E-11	0.203845	hyper	sig	chr12_13001790
chr8	1.43E+08	142508087	+	1.004E-11	9.1714E-11	-0.25134	hypo	sig	chr8_142508087
chr8	55939779	55939779	+	1.005E-11	9.1767E-11	0.327336	hyper	sig	chr8_55939779
chr1	3976859	3976859	+	1.006E-11	9.1865E-11	-0.21821	hypo	sig	chr1_3976859
chr12	6326562	6326562	+	1.006E-11	9.1873E-11	0.273466	hyper	sig	chr12_6326562
chr16	89818927	89818927	+	1.006E-11	9.1885E-11	-0.26491	hypo	sig	chr16_89818927
chr14	71933451	71933451	+	1.006E-11	9.1905E-11	0.20671	hyper	sig	chr14_71933451
chr4	76420645	76420645	+	1.007E-11	9.1942E-11	0.303319	hyper	sig	chr4_76420645

chr10	413781	413781	+	1.007E-11	9.1957E-11	-0.2695	hypo	sig	chr10_413781
chr6	31355137	31355137	+	1.007E-11	9.1961E-11	-0.2461	hypo	sig	chr6_31355137
chr7	44314061	44314061	+	1.007E-11	9.2016E-11	-0.22645	hypo	sig	chr7_44314061
chr6	50846178	50846178	+	1.009E-11	9.2112E-11	0.224102	hyper	sig	chr6_50846178
chr1	1.48E+08	148354542	+	1.009E-11	9.2165E-11	0.255697	hyper	sig	chr1_148354542
chr17	48554686	48554686	+	1.011E-11	9.2343E-11	0.26938	hyper	sig	chr17_48554686
chr17	33290537	33290537	+	1.011E-11	9.2344E-11	0.202533	hyper	sig	chr17_33290537
chr4	212520	212520	+	1.012E-11	9.2394E-11	0.222298	hyper	sig	chr4_212520
chr7	35982674	35982674	+	1.012E-11	9.242E-11	-0.26086	hypo	sig	chr7_35982674
chr2	73986593	73986593	+	1.012E-11	9.2434E-11	-0.21466	hypo	sig	chr2_73986593
chr11	67452524	67452524	+	1.014E-11	9.2566E-11	-0.21307	hypo	sig	chr11_67452524
chr19	10224377	10224377	+	1.014E-11	9.2571E-11	-0.23672	hypo	sig	chr19_10224377
chr20	61894059	61894059	+	1.014E-11	9.2583E-11	-0.23633	hypo	sig	chr20_61894059
chr11	396655	396655	+	1.014E-11	9.2635E-11	0.255691	hyper	sig	chr11_396655
chr14	64541275	64541275	+	1.014E-11	9.2635E-11	0.285985	hyper	sig	chr14_64541275
chr7	75736267	75736267	+	1.015E-11	9.2639E-11	-0.21162	hypo	sig	chr7_75736267
chr12	1.32E+08	131617373	+	1.016E-11	9.2728E-11	-0.21295	hypo	sig	chr12_131617373
chr12	7666039	7666039	+	1.016E-11	9.2732E-11	-0.20455	hypo	sig	chr12_7666039
chr4	1.11E+08	110612628	+	1.016E-11	9.2754E-11	0.260162	hyper	sig	chr4_110612628
chr6	34146131	34146131	+	1.017E-11	9.2826E-11	0.209219	hyper	sig	chr6_34146131
chr5	1.74E+08	174311907	+	1.017E-11	9.289E-11	0.2044	hyper	sig	chr5_174311907
chr1	3223269	3223269	+	1.019E-11	9.3004E-11	-0.26966	hypo	sig	chr1_3223269
chr19	12597054	12597054	+	1.019E-11	9.3013E-11	0.257314	hyper	sig	chr19_12597054
chr4	99653562	99653562	+	1.019E-11	9.3056E-11	-0.25132	hypo	sig	chr4_99653562
chr1	2.28E+08	227925465	+	1.02E-11	9.3104E-11	-0.24527	hypo	sig	chr1_227925465
chr19	30226813	30226813	+	1.02E-11	9.3104E-11	0.29436	hyper	sig	chr19_30226813
chr16	67650020	67650020	+	1.02E-11	9.3105E-11	0.279237	hyper	sig	chr16_67650020
chr19	8135991	8135991	+	1.021E-11	9.3195E-11	-0.29785	hypo	sig	chr19_8135991
chr17	40089429	40089429	+	1.021E-11	9.3197E-11	0.233486	hyper	sig	chr17_40089429
chr1	31754566	31754566	+	1.022E-11	9.3285E-11	-0.2564	hypo	sig	chr1_31754566
chr12	63843422	63843422	+	1.022E-11	9.3293E-11	0.201554	hyper	sig	chr12_63843422
chr13	44231970	44231970	+	1.023E-11	9.3348E-11	-0.26094	hypo	sig	chr13_44231970
chr2	2.18E+08	218402485	+	1.024E-11	9.3457E-11	0.20063	hyper	sig	chr2_218402485
chr10	1.33E+08	133360539	+	1.024E-11	9.3464E-11	-0.27075	hypo	sig	chr10_133360539
chr7	27210099	27210099	+	1.024E-11	9.3496E-11	-0.21683	hypo	sig	chr7_27210099
chr2	1.08E+08	107747579	+	1.025E-11	9.354E-11	-0.24414	hypo	sig	chr2_107747579
chr10	1.2E+08	120458001	+	1.026E-11	9.3607E-11	0.309686	hyper	sig	chr10_120458001
chr20	63417495	63417495	+	1.026E-11	9.3636E-11	-0.24208	hypo	sig	chr20_63417495
chr17	39165306	39165306	+	1.026E-11	9.3658E-11	0.307762	hyper	sig	chr17_39165306
chr16	31145869	31145869	+	1.027E-11	9.3692E-11	-0.28519	hypo	sig	chr16_31145869
chr13	36432098	36432098	+	1.028E-11	9.377E-11	0.23069	hyper	sig	chr13_36432098
chr1	75128655	75128655	+	1.028E-11	9.3775E-11	0.208467	hyper	sig	chr1_75128655
chr7	1027733	1027733	+	1.028E-11	9.3797E-11	0.229317	hyper	sig	chr7_1027733
chr16	89972162	89972162	+	1.03E-11	9.3976E-11	0.265154	hyper	sig	chr16_89972162
chr10	1.24E+08	123668292	+	1.03E-11	9.4002E-11	-0.2175	hypo	sig	chr10_123668292
chr5	1.77E+08	176873260	+	1.03E-11	9.401E-11	-0.23771	hypo	sig	chr5_176873260
chr17	81453246	81453246	+	1.031E-11	9.4042E-11	-0.20257	hypo	sig	chr17_81453246
chr17	42155590	42155590	+	1.031E-11	9.4049E-11	0.248051	hyper	sig	chr17_42155590
chr2	1.72E+08	172087408	+	1.031E-11	9.4074E-11	0.213877	hyper	sig	chr2_172087408
chr12	85279465	85279465	+	1.031E-11	9.4099E-11	0.289831	hyper	sig	chr12_85279465
chr11	63945430	63945430	+	1.031E-11	9.4104E-11	0.244466	hyper	sig	chr11_63945430
chr4	41359726	41359726	+	1.032E-11	9.4118E-11	-0.23993	hypo	sig	chr4_41359726
chr7	73607386	73607386	+	1.032E-11	9.4141E-11	0.328808	hyper	sig	chr7_73607386
chr7	1.58E+08	157739225	+	1.032E-11	9.4169E-11	-0.21194	hypo	sig	chr7_157739225
chr7	1.28E+08	128031142	+	1.032E-11	9.4175E-11	0.202045	hyper	sig	chr7_128031142
chr12	1.32E+08	132179381	+	1.033E-11	9.4207E-11	-0.23436	hypo	sig	chr12_132179381

chr7	1843342	1843342	+	1.033E-11	9.422E-11	0.216746	hyper	sig	chr7_1843342
chr16	85302310	85302310	+	1.033E-11	9.4242E-11	-0.20092	hypo	sig	chr16_85302310
chr9	1.33E+08	132586527	+	1.033E-11	9.4244E-11	0.225926	hyper	sig	chr9_132586527
chr9	97077387	97077387	+	1.034E-11	9.4367E-11	0.316747	hyper	sig	chr9_97077387
chr1	10635704	10635704	+	1.035E-11	9.4431E-11	0.220611	hyper	sig	chr1_10635704
chr16	1913361	1913361	+	1.036E-11	9.4487E-11	-0.25967	hypo	sig	chr16_1913361
chr10	44383996	44383996	+	1.036E-11	9.4515E-11	0.204545	hyper	sig	chr10_44383996
chr17	8397848	8397848	+	1.037E-11	9.4572E-11	-0.25889	hypo	sig	chr17_8397848
chr22	38865717	38865717	+	1.037E-11	9.458E-11	0.212708	hyper	sig	chr22_38865717
chr5	1295598	1295598	+	1.037E-11	9.4619E-11	0.262478	hyper	sig	chr5_1295598
chr11	1.25E+08	125494848	+	1.038E-11	9.4683E-11	0.241844	hyper	sig	chr11_125494848
chr10	69278547	69278547	+	1.039E-11	9.479E-11	0.222723	hyper	sig	chr10_69278547
chr17	82003858	82003858	+	1.04E-11	9.4853E-11	0.2345	hyper	sig	chr17_82003858
chr2	70904608	70904608	+	1.04E-11	9.4858E-11	0.245351	hyper	sig	chr2_70904608
chr19	53942730	53942730	+	1.04E-11	9.4859E-11	0.374887	hyper	sig	chr19_53942730
chr17	8057106	8057106	+	1.04E-11	9.4884E-11	-0.23434	hypo	sig	chr17_8057106
chr1	28510838	28510838	+	1.041E-11	9.493E-11	-0.2011	hypo	sig	chr1_28510838
chr12	57851259	57851259	+	1.041E-11	9.4973E-11	0.29255	hyper	sig	chr12_57851259
chr8	1.43E+08	142879736	+	1.043E-11	9.5099E-11	-0.20013	hypo	sig	chr8_142879736
chr15	37097299	37097299	+	1.043E-11	9.5105E-11	0.209486	hyper	sig	chr15_37097299
chr12	56488773	56488773	+	1.043E-11	9.5108E-11	0.22938	hyper	sig	chr12_56488773
chr5	6747594	6747594	+	1.043E-11	9.512E-11	0.250264	hyper	sig	chr5_6747594
chr11	70671328	70671328	+	1.043E-11	9.5127E-11	0.264895	hyper	sig	chr11_70671328
chr16	57620456	57620456	+	1.043E-11	9.5127E-11	-0.21692	hypo	sig	chr16_57620456
chr4	11427281	11427281	+	1.045E-11	9.5264E-11	0.260048	hyper	sig	chr4_11427281
chr19	10412696	10412696	+	1.045E-11	9.5265E-11	-0.284	hypo	sig	chr19_10412696
chr11	1208842	1208842	+	1.045E-11	9.5277E-11	-0.24363	hypo	sig	chr11_1208842
chr16	81784024	81784024	+	1.045E-11	9.5298E-11	-0.23084	hypo	sig	chr16_81784024
chr18	73592	73592	+	1.047E-11	9.5471E-11	0.281697	hyper	sig	chr18_73592
chr6	1449107	1449107	+	1.047E-11	9.5471E-11	-0.22265	hypo	sig	chr6_1449107
chr12	1.3E+08	130429705	+	1.047E-11	9.5493E-11	0.251994	hyper	sig	chr12_130429705
chr10	1.04E+08	103660983	+	1.048E-11	9.5547E-11	0.257128	hyper	sig	chr10_103660983
chr16	29901413	29901413	+	1.049E-11	9.5659E-11	0.242293	hyper	sig	chr16_29901413
chr10	71726969	71726969	+	1.05E-11	9.5684E-11	-0.26083	hypo	sig	chr10_71726969
chr11	66267366	66267366	+	1.05E-11	9.5708E-11	0.204672	hyper	sig	chr11_66267366
chr10	23198846	23198846	+	1.05E-11	9.5711E-11	0.206046	hyper	sig	chr10_23198846
chr1	92481331	92481331	+	1.05E-11	9.5761E-11	0.26264	hyper	sig	chr1_92481331
chr1	2.15E+08	215083285	+	1.051E-11	9.5842E-11	0.222451	hyper	sig	chr1_215083285
chr16	85195974	85195974	+	1.051E-11	9.5848E-11	0.217047	hyper	sig	chr16_85195974
chr22	30695310	30695310	+	1.052E-11	9.5933E-11	0.218994	hyper	sig	chr22_30695310
chr17	59565360	59565360	+	1.053E-11	9.5978E-11	0.218728	hyper	sig	chr17_59565360
chr13	36346725	36346725	+	1.054E-11	9.6091E-11	0.200208	hyper	sig	chr13_36346725
chr17	1193346	1193346	+	1.055E-11	9.6123E-11	0.201505	hyper	sig	chr17_1193346
chr12	1.32E+08	131660375	+	1.055E-11	9.6152E-11	-0.2323	hypo	sig	chr12_131660375
chr13	1.14E+08	114131147	+	1.055E-11	9.6176E-11	0.263332	hyper	sig	chr13_114131147
chr7	73399616	73399616	+	1.056E-11	9.6222E-11	0.22616	hyper	sig	chr7_73399616
chr2	2.4E+08	240140713	+	1.056E-11	9.6232E-11	-0.20339	hypo	sig	chr2_240140713
chr3	43998446	43998446	+	1.056E-11	9.6237E-11	0.215825	hyper	sig	chr3_43998446
chr7	27249875	27249875	+	1.057E-11	9.6315E-11	0.284037	hyper	sig	chr7_27249875
chr17	41612760	41612760	+	1.057E-11	9.6321E-11	-0.21002	hypo	sig	chr17_41612760
chr11	64765403	64765403	+	1.057E-11	9.6337E-11	0.202811	hyper	sig	chr11_64765403
chr19	15232426	15232426	+	1.058E-11	9.6385E-11	0.201709	hyper	sig	chr19_15232426
chr7	1.27E+08	127244947	+	1.058E-11	9.6401E-11	0.234572	hyper	sig	chr7_127244947
chr2	2.4E+08	240351009	+	1.058E-11	9.6452E-11	0.262909	hyper	sig	chr2_240351009
chr7	64407516	64407516	+	1.06E-11	9.6557E-11	-0.27453	hypo	sig	chr7_64407516
chr19	345282	345282	+	1.06E-11	9.656E-11	0.21332	hyper	sig	chr19_345282

chr12	1.07E+08	106954953	+	1.06E-11	9.6568E-11	0.260299	hyper	sig	chr12_106954953
chr10	1.34E+08	133529744	+	1.06E-11	9.6595E-11	0.25018	hyper	sig	chr10_133529744
chr17	44198140	44198140	+	1.061E-11	9.6653E-11	0.221982	hyper	sig	chr17_44198140
chr11	1.3E+08	130189829	+	1.061E-11	9.6657E-11	-0.22445	hypo	sig	chr11_130189829
chr5	1.78E+08	178237622	+	1.061E-11	9.6692E-11	-0.23173	hypo	sig	chr5_178237622
chr16	1143988	1143988	+	1.061E-11	9.6697E-11	-0.24736	hypo	sig	chr16_1143988
chr19	45815290	45815290	+	1.061E-11	9.6719E-11	0.261898	hyper	sig	chr19_45815290
chr1	24965401	24965401	+	1.062E-11	9.6741E-11	-0.29631	hypo	sig	chr1_24965401
chr13	29505289	29505289	+	1.062E-11	9.6753E-11	-0.20923	hypo	sig	chr13_29505289
chr5	1.77E+08	177474481	+	1.063E-11	9.6848E-11	0.218366	hyper	sig	chr5_177474481
chr5	32532143	32532143	+	1.063E-11	9.6848E-11	-0.23516	hypo	sig	chr5_32532143
chr12	1.19E+08	118774510	+	1.063E-11	9.6858E-11	0.229107	hyper	sig	chr12_118774510
chr2	2.02E+08	201619197	+	1.064E-11	9.696E-11	0.242124	hyper	sig	chr2_201619197
chr8	763141	763141	+	1.064E-11	9.696E-11	-0.22463	hypo	sig	chr8_763141
chr21	42838070	42838070	+	1.065E-11	9.6992E-11	0.239865	hyper	sig	chr21_42838070
chr20	63792123	63792123	+	1.066E-11	9.7091E-11	-0.26956	hypo	sig	chr20_63792123
chr9	1.24E+08	124487452	+	1.067E-11	9.7176E-11	0.244837	hyper	sig	chr9_124487452
chr4	89836560	89836560	+	1.067E-11	9.7185E-11	0.223824	hyper	sig	chr4_89836560
chr20	63342828	63342828	+	1.067E-11	9.7227E-11	-0.21746	hypo	sig	chr20_63342828
chr16	87895797	87895797	+	1.067E-11	9.7235E-11	-0.2335	hypo	sig	chr16_87895797
chr14	64541923	64541923	+	1.067E-11	9.7238E-11	0.204662	hyper	sig	chr14_64541923
chr1	1.19E+08	118988414	+	1.069E-11	9.7339E-11	0.272182	hyper	sig	chr1_118988414
chr10	1.33E+08	133241628	+	1.069E-11	9.7391E-11	-0.22331	hypo	sig	chr10_133241628
chr12	1.24E+08	124454114	+	1.069E-11	9.7399E-11	0.223387	hyper	sig	chr12_124454114
chr8	23714227	23714227	+	1.07E-11	9.7452E-11	0.227411	hyper	sig	chr8_23714227
chr1	1.48E+08	148309992	+	1.071E-11	9.7515E-11	0.232929	hyper	sig	chr1_148309992
chr4	13543628	13543628	+	1.071E-11	9.754E-11	0.227708	hyper	sig	chr4_13543628
chr1	1.52E+08	151839173	+	1.071E-11	9.757E-11	0.272078	hyper	sig	chr1_151839173
chr20	44120019	44120019	+	1.072E-11	9.7608E-11	-0.23304	hypo	sig	chr20_44120019
chr17	1230414	1230414	+	1.073E-11	9.7749E-11	-0.22112	hypo	sig	chr17_1230414
chr1	2.28E+08	228464498	+	1.074E-11	9.7809E-11	0.202094	hyper	sig	chr1_228464498
chr8	17413095	17413095	+	1.075E-11	9.7864E-11	0.250287	hyper	sig	chr8_17413095
chr9	1.36E+08	136364513	+	1.076E-11	9.7967E-11	0.298621	hyper	sig	chr9_136364513
chr19	52924364	52924364	+	1.077E-11	9.8045E-11	-0.21261	hypo	sig	chr19_52924364
chr2	70872132	70872132	+	1.077E-11	9.8057E-11	-0.27055	hypo	sig	chr2_70872132
chr4	84496001	84496001	+	1.078E-11	9.8141E-11	0.214551	hyper	sig	chr4_84496001
chr18	28176472	28176472	+	1.078E-11	9.82E-11	0.234853	hyper	sig	chr18_28176472
chr2	2.38E+08	238139915	+	1.079E-11	9.8216E-11	-0.22995	hypo	sig	chr2_238139915
chr21	26965275	26965275	+	1.079E-11	9.8239E-11	0.284428	hyper	sig	chr21_26965275
chr13	51786111	51786111	+	1.079E-11	9.8257E-11	0.20928	hyper	sig	chr13_51786111
chr1	27399793	27399793	+	1.08E-11	9.8327E-11	0.214937	hyper	sig	chr1_27399793
chr4	84497149	84497149	+	1.08E-11	9.8358E-11	0.233788	hyper	sig	chr4_84497149
chr6	84768469	84768469	+	1.08E-11	9.8366E-11	0.234244	hyper	sig	chr6_84768469
chr1	28260794	28260794	+	1.081E-11	9.8386E-11	0.27822	hyper	sig	chr1_28260794
chr2	2.22E+08	222291417	+	1.081E-11	9.8422E-11	0.207881	hyper	sig	chr2_222291417
chr11	61680737	61680737	+	1.081E-11	9.8428E-11	-0.22564	hypo	sig	chr11_61680737
chr12	34379167	34379167	+	1.082E-11	9.8543E-11	-0.21433	hypo	sig	chr12_34379167
chr6	72182383	72182383	+	1.083E-11	9.8573E-11	0.296313	hyper	sig	chr6_72182383
chr15	93074695	93074695	+	1.083E-11	9.8605E-11	-0.21597	hypo	sig	chr15_93074695
chr8	11059156	11059156	+	1.084E-11	9.8641E-11	0.208888	hyper	sig	chr8_11059156
chr5	2749697	2749697	+	1.084E-11	9.8695E-11	0.294452	hyper	sig	chr5_2749697
chr6	32152097	32152097	+	1.085E-11	9.8726E-11	0.286246	hyper	sig	chr6_32152097
chr7	37448621	37448621	+	1.085E-11	9.8739E-11	0.288267	hyper	sig	chr7_37448621
chr15	31483168	31483168	+	1.085E-11	9.8761E-11	0.237761	hyper	sig	chr15_31483168
chr10	25176373	25176373	+	1.086E-11	9.8841E-11	0.249164	hyper	sig	chr10_25176373
chr2	1.61E+08	161417486	+	1.086E-11	9.8887E-11	0.268603	hyper	sig	chr2_161417486

chr2	71605413	71605413	+	1.087E-11	9.8934E-11	-0.20017	hypo	sig	chr2_71605413
chr4	9522075	9522075	+	1.087E-11	9.8955E-11	-0.25305	hypo	sig	chr4_9522075
chr20	45304273	45304273	+	1.088E-11	9.9032E-11	0.24328	hyper	sig	chr20_45304273
chr10	43728608	43728608	+	1.088E-11	9.9046E-11	-0.22621	hypo	sig	chr10_43728608
chr2	2.32E+08	232419871	+	1.091E-11	9.9264E-11	0.289929	hyper	sig	chr2_232419871
chr13	1.12E+08	112254315	+	1.091E-11	9.9275E-11	-0.22075	hypo	sig	chr13_112254315
chr14	73753538	73753538	+	1.091E-11	9.9286E-11	-0.20366	hypo	sig	chr14_73753538
chr6	93417621	93417621	+	1.092E-11	9.9347E-11	0.275458	hyper	sig	chr6_93417621
chr16	86954210	86954210	+	1.092E-11	9.9354E-11	0.240799	hyper	sig	chr16_86954210
chr2	8596283	8596283	+	1.092E-11	9.9388E-11	-0.23207	hypo	sig	chr2_8596283
chr13	1.08E+08	108495005	+	1.092E-11	9.9412E-11	0.286025	hyper	sig	chr13_108495005
chr4	1.47E+08	146636899	+	1.093E-11	9.945E-11	0.268709	hyper	sig	chr4_146636899
chr10	1.28E+08	128470568	+	1.094E-11	9.9587E-11	-0.20343	hypo	sig	chr10_128470568
chr18	77968942	77968942	+	1.096E-11	9.9761E-11	-0.2469	hypo	sig	chr18_77968942
chr11	14972684	14972684	+	1.097E-11	9.9813E-11	0.260025	hyper	sig	chr11_14972684
chr8	868912	868912	+	1.097E-11	9.9853E-11	-0.21952	hypo	sig	chr8_868912
chr2	1.9E+08	189582012	+	1.098E-11	9.9868E-11	-0.2885	hypo	sig	chr2_189582012
chr5	76081862	76081862	+	1.098E-11	9.9923E-11	0.258498	hyper	sig	chr5_76081862
chr14	1.06E+08	105769882	+	1.099E-11	9.9948E-11	-0.24981	hypo	sig	chr14_105769882
chr6	33169068	33169068	+	1.099E-11	9.9959E-11	-0.25157	hypo	sig	chr6_33169068
chr17	40779838	40779838	+	1.099E-11	9.9961E-11	0.216393	hyper	sig	chr17_40779838
chr2	1.09E+08	109130298	+	1.099E-11	9.9974E-11	0.250007	hyper	sig	chr2_109130298
chr16	29662194	29662194	+	1.099E-11	9.9975E-11	-0.27758	hypo	sig	chr16_29662194
chr13	1.11E+08	110506505	+	1.099E-11	9.9975E-11	-0.23614	hypo	sig	chr13_110506505
chr5	1.41E+08	140862825	+	1.099E-11	1E-10	0.226546	hyper	sig	chr5_140862825
chr2	25376599	25376599	+	1.102E-11	1.0021E-10	0.24275	hyper	sig	chr2_25376599
chr16	89817747	89817747	+	1.102E-11	1.0028E-10	-0.2013	hypo	sig	chr16_89817747
chr16	29182051	29182051	+	1.103E-11	1.0029E-10	-0.21399	hypo	sig	chr16_29182051
chr2	1.27E+08	127107909	+	1.103E-11	1.003E-10	-0.22001	hypo	sig	chr2_127107909
chr12	1.3E+08	130017504	+	1.103E-11	1.0035E-10	0.229461	hyper	sig	chr12_130017504
chr17	28717310	28717310	+	1.104E-11	1.0042E-10	0.243404	hyper	sig	chr17_28717310
chr8	1.42E+08	141974002	+	1.104E-11	1.0043E-10	-0.28116	hypo	sig	chr8_141974002
chr19	58204319	58204319	+	1.104E-11	1.0044E-10	0.269121	hyper	sig	chr19_58204319
chr4	6378695	6378695	+	1.104E-11	1.0044E-10	-0.20329	hypo	sig	chr4_6378695
chr14	24311580	24311580	+	1.104E-11	1.0044E-10	0.225488	hyper	sig	chr14_24311580
chr4	6221654	6221654	+	1.105E-11	1.0048E-10	0.250345	hyper	sig	chr4_6221654
chr12	1.29E+08	128976485	+	1.105E-11	1.005E-10	0.202906	hyper	sig	chr12_128976485
chr9	86035031	86035031	+	1.106E-11	1.0056E-10	0.218115	hyper	sig	chr9_86035031
chr11	6319340	6319340	+	1.107E-11	1.0064E-10	0.262906	hyper	sig	chr11_6319340
chr7	90211117	90211117	+	1.107E-11	1.0064E-10	-0.294	hypo	sig	chr7_90211117
chr15	52797995	52797995	+	1.107E-11	1.0065E-10	0.328666	hyper	sig	chr15_52797995
chr1	30732833	30732833	+	1.107E-11	1.0068E-10	-0.20746	hypo	sig	chr1_30732833
chr16	88816871	88816871	+	1.108E-11	1.0072E-10	-0.21643	hypo	sig	chr16_88816871
chr22	37661648	37661648	+	1.108E-11	1.0079E-10	0.278316	hyper	sig	chr22_37661648
chr2	1686987	1686987	+	1.108E-11	1.0079E-10	-0.21469	hypo	sig	chr2_1686987
chr16	88874890	88874890	+	1.108E-11	1.0079E-10	-0.25351	hypo	sig	chr16_88874890
chr3	18438849	18438849	+	1.109E-11	1.0082E-10	-0.22381	hypo	sig	chr3_18438849
chr19	3178914	3178914	+	1.109E-11	1.0086E-10	-0.25129	hypo	sig	chr19_3178914
chr16	2853230	2853230	+	1.109E-11	1.0086E-10	0.211565	hyper	sig	chr16_2853230
chr5	1.41E+08	141200080	+	1.109E-11	1.0086E-10	0.215876	hyper	sig	chr5_141200080
chr5	1.16E+08	115962347	+	1.11E-11	1.0096E-10	0.318912	hyper	sig	chr5_115962347
chr19	57709199	57709199	+	1.111E-11	1.0105E-10	0.228926	hyper	sig	chr19_57709199
chr1	2439554	2439554	+	1.111E-11	1.0105E-10	-0.23314	hypo	sig	chr1_2439554
chr16	49277937	49277937	+	1.112E-11	1.0108E-10	0.230547	hyper	sig	chr16_49277937
chr6	1.37E+08	137497269	+	1.112E-11	1.011E-10	0.270836	hyper	sig	chr6_137497269
chr10	1.01E+08	101133085	+	1.113E-11	1.0119E-10	0.290093	hyper	sig	chr10_101133085

chr8	1.44E+08	143950409	+	1.113E-11	1.0124E-10	-0.29448	hypo	sig	chr8_143950409
chr3	1.26E+08	125769157	+	1.114E-11	1.0125E-10	-0.22418	hypo	sig	chr3_125769157
chr20	3777593	3777593	+	1.114E-11	1.0127E-10	0.219711	hyper	sig	chr20_3777593
chr13	1.13E+08	112637193	+	1.114E-11	1.0128E-10	-0.28984	hypo	sig	chr13_112637193
chr19	38267315	38267315	+	1.114E-11	1.0129E-10	-0.26043	hypo	sig	chr19_38267315
chr10	1.33E+08	133106845	+	1.115E-11	1.0137E-10	-0.20696	hypo	sig	chr10_133106845
chr17	79990267	79990267	+	1.115E-11	1.0139E-10	-0.2161	hypo	sig	chr17_79990267
chr5	1.41E+08	140787591	+	1.115E-11	1.0141E-10	0.249667	hyper	sig	chr5_140787591
chr12	48003801	48003801	+	1.116E-11	1.0142E-10	0.226223	hyper	sig	chr12_48003801
chr14	53952059	53952059	+	1.117E-11	1.0154E-10	0.228543	hyper	sig	chr14_53952059
chr8	31639053	31639053	+	1.118E-11	1.0164E-10	0.295541	hyper	sig	chr8_31639053
chr20	61926994	61926994	+	1.119E-11	1.0169E-10	-0.20499	hypo	sig	chr20_61926994
chr20	62709615	62709615	+	1.119E-11	1.0169E-10	0.221898	hyper	sig	chr20_62709615
chr4	1.74E+08	173510620	+	1.12E-11	1.0176E-10	-0.26343	hypo	sig	chr4_173510620
chr2	2.19E+08	219358568	+	1.121E-11	1.0185E-10	0.262249	hyper	sig	chr2_219358568
chr20	62761344	62761344	+	1.121E-11	1.0187E-10	0.224161	hyper	sig	chr20_62761344
chr7	43445464	43445464	+	1.121E-11	1.0192E-10	-0.22846	hypo	sig	chr7_43445464
chr2	2872005	2872005	+	1.122E-11	1.0195E-10	-0.21831	hypo	sig	chr2_2872005
chr16	1437595	1437595	+	1.122E-11	1.02E-10	-0.20789	hypo	sig	chr16_1437595
chr7	90321172	90321172	+	1.122E-11	1.02E-10	0.209569	hyper	sig	chr7_90321172
chr7	72969651	72969651	+	1.122E-11	1.0201E-10	0.308247	hyper	sig	chr7_72969651
chr12	1.19E+08	118589786	+	1.122E-11	1.0201E-10	-0.23151	hypo	sig	chr12_118589786
chr18	57145799	57145799	+	1.123E-11	1.0205E-10	-0.24091	hypo	sig	chr18_57145799
chr3	69541871	69541871	+	1.123E-11	1.0205E-10	0.233222	hyper	sig	chr3_69541871
chr20	62063601	62063601	+	1.123E-11	1.0208E-10	0.22983	hyper	sig	chr20_62063601
chr13	1.14E+08	114090015	+	1.124E-11	1.0215E-10	-0.20041	hypo	sig	chr13_114090015
chr18	35468529	35468529	+	1.127E-11	1.0244E-10	0.217977	hyper	sig	chr18_35468529
chr4	1.54E+08	153788742	+	1.128E-11	1.0247E-10	0.208604	hyper	sig	chr4_153788742
chr5	1.77E+08	177385138	+	1.128E-11	1.0251E-10	-0.2392	hypo	sig	chr5_177385138
chr3	1.39E+08	139044931	+	1.128E-11	1.0252E-10	0.208025	hyper	sig	chr3_139044931
chr5	1.79E+08	179186965	+	1.129E-11	1.0256E-10	-0.23178	hypo	sig	chr5_179186965
chr14	1.05E+08	105472690	+	1.129E-11	1.0259E-10	0.21275	hyper	sig	chr14_105472690
chr1	1.6E+08	160084603	+	1.129E-11	1.0262E-10	0.281469	hyper	sig	chr1_160084603
chr11	1460615	1460615	+	1.13E-11	1.0262E-10	0.276171	hyper	sig	chr11_1460615
chr5	1.73E+08	173245702	+	1.13E-11	1.0266E-10	0.22175	hyper	sig	chr5_173245702
chr19	19228631	19228631	+	1.13E-11	1.0268E-10	-0.31427	hypo	sig	chr19_19228631
chr12	1.17E+08	117033926	+	1.131E-11	1.0275E-10	0.206193	hyper	sig	chr12_117033926
chr20	63182070	63182070	+	1.131E-11	1.0275E-10	-0.22422	hypo	sig	chr20_63182070
chr20	1468000	1468000	+	1.132E-11	1.0283E-10	-0.23104	hypo	sig	chr20_1468000
chr19	58118504	58118504	+	1.132E-11	1.0284E-10	0.249705	hyper	sig	chr19_58118504
chr1	16759429	16759429	+	1.132E-11	1.0284E-10	0.201803	hyper	sig	chr1_16759429
chr10	1.33E+08	132785865	+	1.132E-11	1.0287E-10	0.205958	hyper	sig	chr10_132785865
chr22	50738321	50738321	+	1.133E-11	1.0288E-10	-0.23215	hypo	sig	chr22_50738321
chr7	1.28E+08	128032039	+	1.133E-11	1.0291E-10	0.306769	hyper	sig	chr7_128032039
chr11	2266515	2266515	+	1.133E-11	1.0292E-10	-0.20978	hypo	sig	chr11_2266515
chr13	1.12E+08	112450592	+	1.134E-11	1.0298E-10	-0.20341	hypo	sig	chr13_112450592
chr1	1419920	1419920	+	1.134E-11	1.0304E-10	0.234082	hyper	sig	chr1_1419920
chr10	1.25E+08	125060874	+	1.135E-11	1.0305E-10	0.224637	hyper	sig	chr10_125060874
chr3	39188793	39188793	+	1.135E-11	1.0308E-10	-0.21272	hypo	sig	chr3_39188793
chr21	45619021	45619021	+	1.135E-11	1.0311E-10	-0.25873	hypo	sig	chr21_45619021
chr6	10494953	10494953	+	1.135E-11	1.0312E-10	-0.22474	hypo	sig	chr6_10494953
chr4	8649506	8649506	+	1.136E-11	1.0318E-10	0.265141	hyper	sig	chr4_8649506
chr20	31474893	31474893	+	1.136E-11	1.0322E-10	0.227787	hyper	sig	chr20_31474893
chr22	38089778	38089778	+	1.137E-11	1.0322E-10	0.257738	hyper	sig	chr22_38089778
chr12	1.3E+08	130407952	+	1.137E-11	1.0323E-10	-0.20258	hypo	sig	chr12_130407952
chr20	1305105	1305105	+	1.137E-11	1.0327E-10	-0.22415	hypo	sig	chr20_1305105

chr5	1153653	1153653	+	1.137E-11	1.0328E-10	-0.23393	hypo	sig	chr5_1153653
chr10	84244639	84244639	+	1.138E-11	1.0335E-10	-0.25943	hypo	sig	chr10_84244639
chr2	731578	731578	+	1.139E-11	1.0342E-10	-0.20922	hypo	sig	chr2_731578
chr19	52535719	52535719	+	1.139E-11	1.0346E-10	0.202401	hyper	sig	chr19_52535719
chr5	2757148	2757148	+	1.139E-11	1.0346E-10	0.280374	hyper	sig	chr5_2757148
chr14	1.07E+08	106802819	+	1.139E-11	1.0347E-10	-0.25003	hypo	sig	chr14_106802819
chr14	1.04E+08	103889821	+	1.14E-11	1.0354E-10	-0.20301	hypo	sig	chr14_103889821
chr11	75584219	75584219	+	1.141E-11	1.0357E-10	0.292028	hyper	sig	chr11_75584219
chr15	43649238	43649238	+	1.141E-11	1.0358E-10	0.223303	hyper	sig	chr15_43649238
chr9	1.27E+08	127122015	+	1.142E-11	1.0367E-10	0.320875	hyper	sig	chr9_127122015
chr2	2.42E+08	241507338	+	1.142E-11	1.037E-10	0.21884	hyper	sig	chr2_241507338
chr5	1.48E+08	147509441	+	1.143E-11	1.0378E-10	0.207668	hyper	sig	chr5_147509441
chr4	1404677	1404677	+	1.145E-11	1.0394E-10	0.218475	hyper	sig	chr4_1404677
chr5	73381466	73381466	+	1.145E-11	1.0396E-10	0.234092	hyper	sig	chr5_73381466
chr7	20776724	20776724	+	1.146E-11	1.0406E-10	0.225884	hyper	sig	chr7_20776724
chr2	3649221	3649221	+	1.146E-11	1.0406E-10	-0.27346	hypo	sig	chr2_3649221
chr16	988180	988180	+	1.147E-11	1.0409E-10	-0.20632	hypo	sig	chr16_988180
chr3	38133965	38133965	+	1.149E-11	1.0433E-10	-0.20108	hypo	sig	chr3_38133965
chr10	1.23E+08	123134969	+	1.149E-11	1.0435E-10	0.209681	hyper	sig	chr10_123134969
chr4	55157953	55157953	+	1.149E-11	1.0435E-10	0.336344	hyper	sig	chr4_55157953
chr7	65731572	65731572	+	1.151E-11	1.0449E-10	0.223041	hyper	sig	chr7_65731572
chr1	24112155	24112155	+	1.151E-11	1.0453E-10	0.254988	hyper	sig	chr1_24112155
chr2	2.01E+08	200586638	+	1.152E-11	1.0455E-10	0.267159	hyper	sig	chr2_200586638
chr4	10461688	10461688	+	1.152E-11	1.046E-10	0.255477	hyper	sig	chr4_10461688
chr9	77019088	77019088	+	1.153E-11	1.0466E-10	0.214064	hyper	sig	chr9_77019088
chr21	36977637	36977637	+	1.153E-11	1.0467E-10	-0.2136	hypo	sig	chr21_36977637
chr5	1.35E+08	135029243	+	1.154E-11	1.0477E-10	0.279139	hyper	sig	chr5_135029243
chr16	88151262	88151262	+	1.155E-11	1.0484E-10	-0.21635	hypo	sig	chr16_88151262
chr8	1.42E+08	141900429	+	1.157E-11	1.05E-10	-0.25012	hypo	sig	chr8_141900429
chr16	87669951	87669951	+	1.158E-11	1.0509E-10	-0.29158	hypo	sig	chr16_87669951
chr5	96816673	96816673	+	1.159E-11	1.0516E-10	-0.2193	hypo	sig	chr5_96816673
chr3	1.47E+08	147419481	+	1.159E-11	1.052E-10	0.203861	hyper	sig	chr3_147419481
chr4	1.74E+08	173524785	+	1.159E-11	1.0521E-10	0.294766	hyper	sig	chr4_173524785
chr22	37805838	37805838	+	1.159E-11	1.0521E-10	0.213584	hyper	sig	chr22_37805838
chr5	1.81E+08	181173874	+	1.159E-11	1.0522E-10	0.209172	hyper	sig	chr5_181173874
chr3	37994292	37994292	+	1.16E-11	1.0524E-10	0.21854	hyper	sig	chr3_37994292
chr19	29667079	29667079	+	1.16E-11	1.0527E-10	0.266073	hyper	sig	chr19_29667079
chr16	31010260	31010260	+	1.16E-11	1.053E-10	0.29727	hyper	sig	chr16_31010260
chr16	4664582	4664582	+	1.162E-11	1.0546E-10	-0.2253	hypo	sig	chr16_4664582
chr15	29688356	29688356	+	1.163E-11	1.055E-10	-0.23339	hypo	sig	chr15_29688356
chr12	1.33E+08	132605048	+	1.163E-11	1.0557E-10	-0.27283	hypo	sig	chr12_132605048
chr2	3101365	3101365	+	1.164E-11	1.0558E-10	0.215576	hyper	sig	chr2_3101365
chr2	2.39E+08	239118482	+	1.164E-11	1.0558E-10	0.20368	hyper	sig	chr2_239118482
chr2	1.3E+08	130006002	+	1.164E-11	1.0559E-10	0.232381	hyper	sig	chr2_130006002
chr20	6769912	6769912	+	1.164E-11	1.0562E-10	0.253945	hyper	sig	chr20_6769912
chr15	76341976	76341976	+	1.164E-11	1.0564E-10	-0.22479	hypo	sig	chr15_76341976
chr17	7740544	7740544	+	1.164E-11	1.0565E-10	-0.29189	hypo	sig	chr17_7740544
chr14	56137846	56137846	+	1.165E-11	1.0567E-10	-0.20685	hypo	sig	chr14_56137846
chr8	1.41E+08	141235404	+	1.165E-11	1.0569E-10	-0.22768	hypo	sig	chr8_141235404
chr12	1.2E+08	120397845	+	1.165E-11	1.0572E-10	0.230918	hyper	sig	chr12_120397845
chr7	1.56E+08	156127619	+	1.167E-11	1.0589E-10	-0.2037	hypo	sig	chr7_156127619
chr12	80708705	80708705	+	1.167E-11	1.0591E-10	0.214981	hyper	sig	chr12_80708705
chr11	1.2E+08	119742767	+	1.169E-11	1.0604E-10	0.220583	hyper	sig	chr11_119742767
chr19	15224026	15224026	+	1.169E-11	1.0605E-10	0.261209	hyper	sig	chr19_15224026
chr17	38855475	38855475	+	1.171E-11	1.062E-10	-0.28548	hypo	sig	chr17_38855475
chr19	3135999	3135999	+	1.172E-11	1.0629E-10	-0.20101	hypo	sig	chr19_3135999

chr21	46000411	46000411	+	1.172E-11	1.0632E-10	-0.22477	hypo	sig	chr21_46000411
chr4	6201860	6201860	+	1.172E-11	1.0633E-10	-0.23735	hypo	sig	chr4_6201860
chr4	6233905	6233905	+	1.173E-11	1.0636E-10	-0.24944	hypo	sig	chr4_6233905
chr4	2306261	2306261	+	1.173E-11	1.0637E-10	-0.21078	hypo	sig	chr4_2306261
chr11	61829092	61829092	+	1.173E-11	1.064E-10	0.244069	hyper	sig	chr11_61829092
chr1	1.52E+08	151839120	+	1.173E-11	1.0643E-10	0.24707	hyper	sig	chr1_151839120
chr16	12903811	12903811	+	1.174E-11	1.0644E-10	0.220738	hyper	sig	chr16_12903811
chr2	1.3E+08	130373292	+	1.174E-11	1.0649E-10	-0.2781	hypo	sig	chr2_130373292
chr16	87688689	87688689	+	1.174E-11	1.0649E-10	-0.24118	hypo	sig	chr16_87688689
chr19	17861485	17861485	+	1.175E-11	1.0653E-10	-0.22148	hypo	sig	chr19_17861485
chr9	1.37E+08	137430826	+	1.175E-11	1.0654E-10	-0.25599	hypo	sig	chr9_137430826
chr8	26039877	26039877	+	1.175E-11	1.0655E-10	0.215498	hyper	sig	chr8_26039877
chr3	48269199	48269199	+	1.175E-11	1.0659E-10	-0.25263	hypo	sig	chr3_48269199
chr2	55923926	55923926	+	1.175E-11	1.0659E-10	0.243679	hyper	sig	chr2_55923926
chr8	1.31E+08	131039766	+	1.175E-11	1.0659E-10	0.20792	hyper	sig	chr8_131039766
chr3	75907005	75907005	+	1.176E-11	1.0661E-10	0.21443	hyper	sig	chr3_75907005
chr21	38808151	38808151	+	1.176E-11	1.0663E-10	-0.23177	hypo	sig	chr21_38808151
chr6	1.68E+08	168132955	+	1.176E-11	1.0667E-10	-0.20144	hypo	sig	chr6_168132955
chr1	3001812	3001812	+	1.177E-11	1.0671E-10	-0.24188	hypo	sig	chr1_3001812
chr16	68529195	68529195	+	1.177E-11	1.0672E-10	-0.25726	hypo	sig	chr16_68529195
chr12	7751614	7751614	+	1.177E-11	1.0675E-10	-0.24024	hypo	sig	chr12_7751614
chr20	9838706	9838706	+	1.177E-11	1.0676E-10	0.357473	hyper	sig	chr20_9838706
chr10	99527895	99527895	+	1.178E-11	1.068E-10	0.219068	hyper	sig	chr10_99527895
chr19	35959572	35959572	+	1.179E-11	1.0688E-10	0.264895	hyper	sig	chr19_35959572
chr16	29785299	29785299	+	1.179E-11	1.0692E-10	0.20516	hyper	sig	chr16_29785299
chr5	1.8E+08	179679321	+	1.181E-11	1.0703E-10	0.275089	hyper	sig	chr5_179679321
chr12	80714257	80714257	+	1.181E-11	1.0709E-10	0.204376	hyper	sig	chr12_80714257
chr7	1.28E+08	128454770	+	1.181E-11	1.0711E-10	0.232911	hyper	sig	chr7_128454770
chr4	1305644	1305644	+	1.182E-11	1.0715E-10	-0.21372	hypo	sig	chr4_1305644
chr6	1.7E+08	170089790	+	1.182E-11	1.0715E-10	-0.27146	hypo	sig	chr6_170089790
chr2	72919914	72919914	+	1.182E-11	1.0716E-10	0.200397	hyper	sig	chr2_72919914
chr10	98011391	98011391	+	1.184E-11	1.0732E-10	-0.20583	hypo	sig	chr10_98011391
chr14	94771326	94771326	+	1.184E-11	1.0733E-10	0.267901	hyper	sig	chr14_94771326
chr16	15143435	15143435	+	1.185E-11	1.0745E-10	0.307453	hyper	sig	chr16_15143435
chr14	44912017	44912017	+	1.186E-11	1.0754E-10	0.253851	hyper	sig	chr14_44912017
chr2	24174954	24174954	+	1.187E-11	1.0755E-10	0.294523	hyper	sig	chr2_24174954
chr12	1.24E+08	124328379	+	1.187E-11	1.0759E-10	0.27313	hyper	sig	chr12_124328379
chr4	5710827	5710827	+	1.189E-11	1.0776E-10	0.23613	hyper	sig	chr4_5710827
chr16	70683999	70683999	+	1.189E-11	1.0776E-10	0.241644	hyper	sig	chr16_70683999
chr10	1.01E+08	101218236	+	1.19E-11	1.0781E-10	0.263467	hyper	sig	chr10_101218236
chr2	88448416	88448416	+	1.191E-11	1.0794E-10	-0.27844	hypo	sig	chr2_88448416
chr17	78134010	78134010	+	1.192E-11	1.0801E-10	-0.20686	hypo	sig	chr17_78134010
chr12	1.32E+08	132322986	+	1.192E-11	1.0805E-10	0.28844	hyper	sig	chr12_132322986
chr6	1.5E+08	149934622	+	1.192E-11	1.0806E-10	-0.24575	hypo	sig	chr6_149934622
chr1	1926667	1926667	+	1.193E-11	1.0813E-10	-0.2502	hypo	sig	chr1_1926667
chr12	54079653	54079653	+	1.194E-11	1.0818E-10	0.219931	hyper	sig	chr12_54079653
chr1	68050173	68050173	+	1.194E-11	1.0821E-10	-0.21775	hypo	sig	chr1_68050173
chr20	2814682	2814682	+	1.194E-11	1.0822E-10	-0.26163	hypo	sig	chr20_2814682
chr7	27110718	27110718	+	1.195E-11	1.0831E-10	0.202855	hyper	sig	chr7_27110718
chr9	98984108	98984108	+	1.196E-11	1.0837E-10	-0.2516	hypo	sig	chr9_98984108
chr16	56589017	56589017	+	1.198E-11	1.0851E-10	0.210677	hyper	sig	chr16_56589017
chr8	1.44E+08	143940860	+	1.198E-11	1.0854E-10	-0.23665	hypo	sig	chr8_143940860
chr1	1.07E+08	107480611	+	1.199E-11	1.086E-10	0.296283	hyper	sig	chr1_107480611
chr1	1.55E+08	155320583	+	1.199E-11	1.0865E-10	0.252566	hyper	sig	chr1_155320583
chr14	37622875	37622875	+	1.199E-11	1.0866E-10	0.202969	hyper	sig	chr14_37622875
chr9	1.27E+08	126625569	+	1.2E-11	1.0876E-10	0.260956	hyper	sig	chr9_126625569

chr12	1.09E+08	109110959	+	1.201E-11	1.0881E-10	0.249223	hyper	sig	chr12_109110959
chr20	62378470	62378470	+	1.202E-11	1.0886E-10	0.227338	hyper	sig	chr20_62378470
chr4	1212098	1212098	+	1.202E-11	1.0893E-10	0.212055	hyper	sig	chr4_1212098
chr17	42785305	42785305	+	1.203E-11	1.0897E-10	0.247855	hyper	sig	chr17_42785305
chr2	20670396	20670396	+	1.203E-11	1.0899E-10	0.217513	hyper	sig	chr2_20670396
chr18	78126748	78126748	+	1.204E-11	1.0903E-10	0.240363	hyper	sig	chr18_78126748
chr7	1.44E+08	143885279	+	1.204E-11	1.0904E-10	0.294314	hyper	sig	chr7_143885279
chr19	1465544	1465544	+	1.204E-11	1.0907E-10	0.258482	hyper	sig	chr19_1465544
chr5	1.41E+08	141419404	+	1.205E-11	1.0911E-10	0.210381	hyper	sig	chr5_141419404
chr9	1.35E+08	135104477	+	1.205E-11	1.0917E-10	-0.27708	hypo	sig	chr9_135104477
chr5	2738999	2738999	+	1.206E-11	1.092E-10	0.228381	hyper	sig	chr5_2738999
chr13	23419324	23419324	+	1.207E-11	1.0931E-10	-0.27979	hypo	sig	chr13_23419324
chr12	96257070	96257070	+	1.207E-11	1.0934E-10	0.237357	hyper	sig	chr12_96257070
chr14	36666730	36666730	+	1.208E-11	1.0943E-10	0.25351	hyper	sig	chr14_36666730
chr9	1.36E+08	136155750	+	1.209E-11	1.0949E-10	-0.26444	hypo	sig	chr9_136155750
chr1	35588511	35588511	+	1.209E-11	1.0949E-10	0.263131	hyper	sig	chr1_35588511
chr7	1.59E+08	159162440	+	1.21E-11	1.0961E-10	-0.20383	hypo	sig	chr7_159162440
chr4	1.89E+08	189307149	+	1.212E-11	1.0972E-10	-0.20423	hypo	sig	chr4_189307149
chr4	7635770	7635770	+	1.212E-11	1.0973E-10	-0.21383	hypo	sig	chr4_7635770
chr13	24623591	24623591	+	1.213E-11	1.0981E-10	-0.22656	hypo	sig	chr13_24623591
chr11	1.12E+08	111548266	+	1.213E-11	1.0985E-10	-0.23471	hypo	sig	chr11_111548266
chr12	1.32E+08	132179027	+	1.213E-11	1.0985E-10	-0.24877	hypo	sig	chr12_132179027
chr20	64069393	64069393	+	1.213E-11	1.0987E-10	-0.26138	hypo	sig	chr20_64069393
chr13	1.13E+08	112721709	+	1.213E-11	1.0988E-10	-0.28759	hypo	sig	chr13_112721709
chr16	66579398	66579398	+	1.214E-11	1.0991E-10	0.248126	hyper	sig	chr16_66579398
chr11	86422735	86422735	+	1.214E-11	1.0992E-10	-0.25128	hypo	sig	chr11_86422735
chr16	30821448	30821448	+	1.214E-11	1.0992E-10	-0.23169	hypo	sig	chr16_30821448
chr17	82321116	82321116	+	1.214E-11	1.0997E-10	-0.27997	hypo	sig	chr17_82321116
chr2	24124243	24124243	+	1.215E-11	1.1001E-10	0.323089	hyper	sig	chr2_24124243
chr5	1.35E+08	135040799	+	1.215E-11	1.1003E-10	0.204294	hyper	sig	chr5_135040799
chr1	2.05E+08	205314170	+	1.215E-11	1.1005E-10	0.2135	hyper	sig	chr1_205314170
chr16	3161593	3161593	+	1.217E-11	1.1018E-10	-0.2885	hypo	sig	chr16_3161593
chr19	437050	437050	+	1.217E-11	1.102E-10	-0.27042	hypo	sig	chr19_437050
chr16	89818938	89818938	+	1.218E-11	1.1024E-10	-0.25619	hypo	sig	chr16_89818938
chr12	7916110	7916110	+	1.218E-11	1.1024E-10	0.267272	hyper	sig	chr12_7916110
chr13	87677551	87677551	+	1.218E-11	1.1024E-10	0.230039	hyper	sig	chr13_87677551
chr11	1461325	1461325	+	1.218E-11	1.1025E-10	0.303184	hyper	sig	chr11_1461325
chr19	19528787	19528787	+	1.218E-11	1.1025E-10	0.320237	hyper	sig	chr19_19528787
chr1	90725393	90725393	+	1.218E-11	1.1028E-10	0.26309	hyper	sig	chr1_90725393
chr17	81529264	81529264	+	1.218E-11	1.1028E-10	-0.20541	hypo	sig	chr17_81529264
chr16	4373631	4373631	+	1.219E-11	1.1033E-10	0.277048	hyper	sig	chr16_4373631
chr11	8168882	8168882	+	1.22E-11	1.1041E-10	0.234834	hyper	sig	chr11_8168882
chr16	86931851	86931851	+	1.22E-11	1.1044E-10	0.26604	hyper	sig	chr16_86931851
chr17	50781371	50781371	+	1.221E-11	1.1049E-10	0.221994	hyper	sig	chr17_50781371
chr17	27380988	27380988	+	1.222E-11	1.1063E-10	-0.22811	hypo	sig	chr17_27380988
chr10	1.33E+08	132685330	+	1.222E-11	1.1063E-10	-0.27981	hypo	sig	chr10_132685330
chr10	26217032	26217032	+	1.222E-11	1.1064E-10	0.273554	hyper	sig	chr10_26217032
chr9	1.37E+08	136726243	+	1.223E-11	1.1066E-10	0.274105	hyper	sig	chr9_136726243
chr2	2.22E+08	222322800	+	1.223E-11	1.1069E-10	-0.21007	hypo	sig	chr2_222322800
chr2	1.83E+08	182867176	+	1.223E-11	1.107E-10	0.212083	hyper	sig	chr2_182867176
chr16	88976733	88976733	+	1.224E-11	1.1075E-10	-0.23136	hypo	sig	chr16_88976733
chr3	1.47E+08	147412752	+	1.225E-11	1.1082E-10	0.266636	hyper	sig	chr3_147412752
chr5	1.41E+08	140850307	+	1.225E-11	1.1083E-10	0.278374	hyper	sig	chr5_140850307
chr7	1242494	1242494	+	1.225E-11	1.1088E-10	0.2811	hyper	sig	chr7_1242494
chr2	2.41E+08	240672591	+	1.225E-11	1.109E-10	0.225995	hyper	sig	chr2_240672591
chr11	1.25E+08	124865174	+	1.225E-11	1.109E-10	0.207033	hyper	sig	chr11_124865174

chr6	89887703	89887703	+	1.226E-11	1.1091E-10	0.238417	hyper	sig	chr6_89887703
chr8	27987665	27987665	+	1.226E-11	1.1095E-10	-0.2127	hypo	sig	chr8_27987665
chr16	30895925	30895925	+	1.226E-11	1.1097E-10	0.261674	hyper	sig	chr16_30895925
chr12	1.3E+08	130161075	+	1.227E-11	1.1102E-10	0.236845	hyper	sig	chr12_130161075
chr10	1.01E+08	101238252	+	1.227E-11	1.1105E-10	0.233924	hyper	sig	chr10_101238252
chr1	50417182	50417182	+	1.228E-11	1.1113E-10	0.264451	hyper	sig	chr1_50417182
chr19	11482203	11482203	+	1.228E-11	1.1114E-10	0.258523	hyper	sig	chr19_11482203
chr10	1.23E+08	123357951	+	1.228E-11	1.1115E-10	0.255618	hyper	sig	chr10_123357951
chr4	1.47E+08	146632931	+	1.229E-11	1.112E-10	0.296415	hyper	sig	chr4_146632931
chr12	34375262	34375262	+	1.231E-11	1.1135E-10	-0.22317	hypo	sig	chr12_34375262
chr3	62377765	62377765	+	1.231E-11	1.1135E-10	0.237613	hyper	sig	chr3_62377765
chr12	46831214	46831214	+	1.231E-11	1.1136E-10	0.257548	hyper	sig	chr12_46831214
chr19	23471550	23471550	+	1.231E-11	1.1139E-10	0.224105	hyper	sig	chr19_23471550
chr6	1.7E+08	170253542	+	1.231E-11	1.114E-10	-0.2266	hypo	sig	chr6_170253542
chr15	65981946	65981946	+	1.231E-11	1.114E-10	-0.23799	hypo	sig	chr15_65981946
chr15	66706684	66706684	+	1.232E-11	1.1146E-10	0.205524	hyper	sig	chr15_66706684
chr11	74731814	74731814	+	1.232E-11	1.1151E-10	0.23016	hyper	sig	chr11_74731814
chr12	1.32E+08	132373971	+	1.233E-11	1.1157E-10	0.222973	hyper	sig	chr12_132373971
chr8	66963260	66963260	+	1.234E-11	1.1168E-10	0.230303	hyper	sig	chr8_66963260
chr1	46492981	46492981	+	1.236E-11	1.1182E-10	0.285877	hyper	sig	chr1_46492981
chr22	32193393	32193393	+	1.236E-11	1.1183E-10	-0.21148	hypo	sig	chr22_32193393
chr3	19946096	19946096	+	1.236E-11	1.1184E-10	-0.21488	hypo	sig	chr3_19946096
chr19	35526111	35526111	+	1.238E-11	1.1199E-10	-0.26301	hypo	sig	chr19_35526111
chr6	10883633	10883633	+	1.239E-11	1.1208E-10	0.225122	hyper	sig	chr6_10883633
chr11	62689819	62689819	+	1.239E-11	1.121E-10	0.260869	hyper	sig	chr11_62689819
chr11	1.29E+08	128725842	+	1.24E-11	1.1212E-10	-0.20549	hypo	sig	chr11_128725842
chr16	10182872	10182872	+	1.24E-11	1.1217E-10	0.246682	hyper	sig	chr16_10182872
chr1	20702901	20702901	+	1.241E-11	1.1225E-10	-0.25502	hypo	sig	chr1_20702901
chr11	75428462	75428462	+	1.241E-11	1.1226E-10	0.235698	hyper	sig	chr11_75428462
chr3	536281	536281	+	1.241E-11	1.1227E-10	0.242407	hyper	sig	chr3_536281
chr17	82066285	82066285	+	1.241E-11	1.1228E-10	-0.22633	hypo	sig	chr17_82066285
chr2	987625	987625	+	1.242E-11	1.123E-10	-0.23621	hypo	sig	chr2_987625
chr5	2103272	2103272	+	1.243E-11	1.1241E-10	-0.31628	hypo	sig	chr5_2103272
chr2	1539575	1539575	+	1.243E-11	1.1242E-10	-0.20855	hypo	sig	chr2_1539575
chr8	10589985	10589985	+	1.244E-11	1.1253E-10	-0.20775	hypo	sig	chr8_10589985
chr17	6894452	6894452	+	1.244E-11	1.1254E-10	0.219143	hyper	sig	chr17_6894452
chr17	81839162	81839162	+	1.244E-11	1.1254E-10	0.202372	hyper	sig	chr17_81839162
chr5	1.41E+08	141399540	+	1.245E-11	1.1255E-10	0.20444	hyper	sig	chr5_141399540
chr6	1.7E+08	170423150	+	1.245E-11	1.1255E-10	0.217067	hyper	sig	chr6_170423150
chr19	58581346	58581346	+	1.245E-11	1.126E-10	0.203212	hyper	sig	chr19_58581346
chr11	55872848	55872848	+	1.245E-11	1.1262E-10	0.232734	hyper	sig	chr11_55872848
chr16	760752	760752	+	1.246E-11	1.1269E-10	-0.23685	hypo	sig	chr16_760752
chr7	1.57E+08	157002199	+	1.246E-11	1.1272E-10	0.261109	hyper	sig	chr7_157002199
chr17	14303989	14303989	+	1.247E-11	1.1272E-10	0.210071	hyper	sig	chr17_14303989
chr2	2.31E+08	230824154	+	1.247E-11	1.128E-10	-0.20657	hypo	sig	chr2_230824154
chr16	28984700	28984700	+	1.248E-11	1.1281E-10	-0.21736	hypo	sig	chr16_28984700
chr19	7515480	7515480	+	1.251E-11	1.1313E-10	0.234622	hyper	sig	chr19_7515480
chr19	55359073	55359073	+	1.251E-11	1.1314E-10	-0.23879	hypo	sig	chr19_55359073
chr4	92303984	92303984	+	1.252E-11	1.1317E-10	0.213711	hyper	sig	chr4_92303984
chr10	8069779	8069779	+	1.252E-11	1.1322E-10	-0.20178	hypo	sig	chr10_8069779
chr14	53963038	53963038	+	1.252E-11	1.1323E-10	-0.21067	hypo	sig	chr14_53963038
chr6	52839516	52839516	+	1.253E-11	1.1328E-10	-0.22702	hypo	sig	chr6_52839516
chr18	79436191	79436191	+	1.253E-11	1.1331E-10	-0.20989	hypo	sig	chr18_79436191
chr12	1.14E+08	113519850	+	1.254E-11	1.1334E-10	0.30948	hyper	sig	chr12_113519850
chr4	3311853	3311853	+	1.254E-11	1.1337E-10	-0.25124	hypo	sig	chr4_3311853
chr7	2526910	2526910	+	1.254E-11	1.134E-10	-0.26824	hypo	sig	chr7_2526910

chr1	24965093	24965093	+	1.255E-11	1.1344E-10	-0.2134	hypo	sig	chr1_24965093
chr17	80498498	80498498	+	1.256E-11	1.1351E-10	0.226181	hyper	sig	chr17_80498498
chr22	48501460	48501460	+	1.256E-11	1.1355E-10	-0.26082	hypo	sig	chr22_48501460
chr17	46979698	46979698	+	1.258E-11	1.137E-10	0.209692	hyper	sig	chr17_46979698
chr19	58118352	58118352	+	1.258E-11	1.1371E-10	0.2488	hyper	sig	chr19_58118352
chr2	2.4E+08	239728764	+	1.258E-11	1.1373E-10	-0.21026	hypo	sig	chr2_239728764
chr16	28984732	28984732	+	1.259E-11	1.1378E-10	-0.24303	hypo	sig	chr16_28984732
chr9	1.32E+08	131554480	+	1.259E-11	1.1383E-10	0.229851	hyper	sig	chr9_131554480
chr19	15232363	15232363	+	1.26E-11	1.1392E-10	0.226402	hyper	sig	chr19_15232363
chr11	17722097	17722097	+	1.262E-11	1.1404E-10	0.224353	hyper	sig	chr11_17722097
chr12	1.2E+08	119804376	+	1.262E-11	1.1406E-10	0.248659	hyper	sig	chr12_119804376
chr7	1.35E+08	134891635	+	1.262E-11	1.1408E-10	0.243352	hyper	sig	chr7_134891635
chr17	302391	302391	+	1.263E-11	1.1418E-10	-0.2058	hypo	sig	chr17_302391
chr12	52898722	52898722	+	1.264E-11	1.1424E-10	-0.21455	hypo	sig	chr12_52898722
chr8	1.42E+08	142146375	+	1.264E-11	1.1424E-10	-0.27413	hypo	sig	chr8_142146375
chr5	1.35E+08	135050568	+	1.264E-11	1.1425E-10	0.348401	hyper	sig	chr5_135050568
chr17	1051273	1051273	+	1.264E-11	1.1426E-10	0.232493	hyper	sig	chr17_1051273
chr6	32662009	32662009	+	1.264E-11	1.1427E-10	-0.25899	hypo	sig	chr6_32662009
chr1	2.48E+08	247518214	+	1.265E-11	1.1428E-10	0.227585	hyper	sig	chr1_247518214
chr2	2E+08	199603829	+	1.265E-11	1.143E-10	0.24004	hyper	sig	chr2_199603829
chr17	81941665	81941665	+	1.265E-11	1.143E-10	-0.20898	hypo	sig	chr17_81941665
chr2	2.42E+08	241997262	+	1.266E-11	1.1443E-10	-0.20401	hypo	sig	chr2_241997262
chr12	53754499	53754499	+	1.267E-11	1.1446E-10	0.204197	hyper	sig	chr12_53754499
chr17	19471014	19471014	+	1.267E-11	1.1448E-10	0.250592	hyper	sig	chr17_19471014
chr5	1.77E+08	176864129	+	1.267E-11	1.1449E-10	-0.23524	hypo	sig	chr5_176864129
chr10	49679617	49679617	+	1.268E-11	1.1454E-10	0.222062	hyper	sig	chr10_49679617
chr20	61873907	61873907	+	1.268E-11	1.1457E-10	-0.295	hypo	sig	chr20_61873907
chr2	63056220	63056220	+	1.269E-11	1.1462E-10	0.267107	hyper	sig	chr2_63056220
chr1	1460745	1460745	+	1.27E-11	1.1471E-10	-0.27166	hypo	sig	chr1_1460745
chr6	30071425	30071425	+	1.27E-11	1.1472E-10	0.244466	hyper	sig	chr6_30071425
chr16	67993194	67993194	+	1.271E-11	1.1479E-10	0.227294	hyper	sig	chr16_67993194
chr18	73264	73264	+	1.271E-11	1.1487E-10	0.213313	hyper	sig	chr18_73264
chr12	1.32E+08	132397947	+	1.274E-11	1.1505E-10	-0.23258	hypo	sig	chr12_132397947
chr5	1.77E+08	176889987	+	1.274E-11	1.1508E-10	-0.25315	hypo	sig	chr5_176889987
chr11	1.3E+08	130037200	+	1.274E-11	1.1511E-10	-0.25212	hypo	sig	chr11_130037200
chr12	1.07E+08	106955086	+	1.275E-11	1.1513E-10	0.209775	hyper	sig	chr12_106955086
chr3	48445949	48445949	+	1.275E-11	1.152E-10	0.205385	hyper	sig	chr3_48445949
chr19	18878109	18878109	+	1.277E-11	1.1532E-10	-0.24525	hypo	sig	chr19_18878109
chr17	79981477	79981477	+	1.277E-11	1.1536E-10	0.256313	hyper	sig	chr17_79981477
chr11	32426586	32426586	+	1.277E-11	1.1539E-10	0.285241	hyper	sig	chr11_32426586
chr22	17842782	17842782	+	1.278E-11	1.1543E-10	-0.26112	hypo	sig	chr22_17842782
chr7	75995381	75995381	+	1.279E-11	1.1554E-10	0.25697	hyper	sig	chr7_75995381
chr11	92969462	92969462	+	1.28E-11	1.1558E-10	0.230686	hyper	sig	chr11_92969462
chr11	1.33E+08	133065124	+	1.281E-11	1.1569E-10	-0.22348	hypo	sig	chr11_133065124
chr9	1.35E+08	134765966	+	1.282E-11	1.1575E-10	-0.2235	hypo	sig	chr9_134765966
chr6	30071381	30071381	+	1.283E-11	1.1584E-10	0.231194	hyper	sig	chr6_30071381
chr20	39052526	39052526	+	1.283E-11	1.1584E-10	0.20724	hyper	sig	chr20_39052526
chr22	46374093	46374093	+	1.283E-11	1.1585E-10	-0.35507	hypo	sig	chr22_46374093
chr13	20350924	20350924	+	1.283E-11	1.1586E-10	-0.21034	hypo	sig	chr13_20350924
chr1	24322880	24322880	+	1.284E-11	1.1595E-10	-0.22941	hypo	sig	chr1_24322880
chr16	30012362	30012362	+	1.284E-11	1.1597E-10	0.240917	hyper	sig	chr16_30012362
chr4	80266451	80266451	+	1.286E-11	1.161E-10	0.201489	hyper	sig	chr4_80266451
chr3	1.88E+08	187669952	+	1.286E-11	1.1613E-10	0.226395	hyper	sig	chr3_187669952
chr20	63845215	63845215	+	1.286E-11	1.1614E-10	-0.24054	hypo	sig	chr20_63845215
chr12	1.33E+08	132977150	+	1.286E-11	1.1615E-10	0.245725	hyper	sig	chr12_132977150
chr19	41912119	41912119	+	1.287E-11	1.1616E-10	0.21841	hyper	sig	chr19_41912119

chr19	47480416	47480416	+	1.287E-11	1.162E-10	0.305983	hyper	sig	chr19_47480416
chr6	88047680	88047680	+	1.289E-11	1.1633E-10	0.228298	hyper	sig	chr6_88047680
chr8	1.34E+08	134478922	+	1.289E-11	1.1635E-10	-0.22454	hypo	sig	chr8_134478922
chr1	42941200	42941200	+	1.29E-11	1.1643E-10	-0.23902	hypo	sig	chr1_42941200
chr3	48507899	48507899	+	1.29E-11	1.1647E-10	-0.24456	hypo	sig	chr3_48507899
chr10	1.33E+08	132851722	+	1.291E-11	1.1653E-10	-0.33508	hypo	sig	chr10_132851722
chr10	1.29E+08	129466576	+	1.291E-11	1.1656E-10	-0.22175	hypo	sig	chr10_129466576
chr8	60922616	60922616	+	1.292E-11	1.166E-10	0.208531	hyper	sig	chr8_60922616
chr12	41187608	41187608	+	1.292E-11	1.166E-10	-0.21198	hypo	sig	chr12_41187608
chr16	88750593	88750593	+	1.292E-11	1.1666E-10	0.249737	hyper	sig	chr16_88750593
chr10	45199553	45199553	+	1.294E-11	1.1677E-10	0.214604	hyper	sig	chr10_45199553
chr6	30071455	30071455	+	1.294E-11	1.1681E-10	0.246393	hyper	sig	chr6_30071455
chr5	1406155	1406155	+	1.295E-11	1.1685E-10	-0.26399	hypo	sig	chr5_1406155
chr22	50314639	50314639	+	1.296E-11	1.1693E-10	-0.22922	hypo	sig	chr22_50314639
chr17	19387807	19387807	+	1.296E-11	1.1695E-10	0.260137	hyper	sig	chr17_19387807
chr17	42785235	42785235	+	1.296E-11	1.1695E-10	0.285444	hyper	sig	chr17_42785235
chr14	36659400	36659400	+	1.296E-11	1.1696E-10	0.234616	hyper	sig	chr14_36659400
chr11	85686066	85686066	+	1.296E-11	1.1701E-10	0.250486	hyper	sig	chr11_85686066
chr14	38210745	38210745	+	1.298E-11	1.171E-10	0.237726	hyper	sig	chr14_38210745
chr7	73833320	73833320	+	1.298E-11	1.1716E-10	-0.20578	hypo	sig	chr7_73833320
chr1	2342152	2342152	+	1.299E-11	1.1719E-10	-0.22169	hypo	sig	chr1_2342152
chr19	15790351	15790351	+	1.299E-11	1.172E-10	-0.21825	hypo	sig	chr19_15790351
chr17	28250734	28250734	+	1.299E-11	1.1726E-10	-0.24243	hypo	sig	chr17_28250734
chr22	39999373	39999373	+	1.301E-11	1.1736E-10	-0.2217	hypo	sig	chr22_39999373
chr14	68796778	68796778	+	1.301E-11	1.1743E-10	-0.20495	hypo	sig	chr14_68796778
chr2	42492807	42492807	+	1.302E-11	1.1751E-10	0.320508	hyper	sig	chr2_42492807
chr7	1.22E+08	122310848	+	1.303E-11	1.1755E-10	0.251175	hyper	sig	chr7_122310848
chr12	1.31E+08	131032479	+	1.303E-11	1.1755E-10	-0.23745	hypo	sig	chr12_131032479
chr1	10736800	10736800	+	1.303E-11	1.1757E-10	-0.25095	hypo	sig	chr1_10736800
chr17	2057833	2057833	+	1.303E-11	1.1758E-10	0.268394	hyper	sig	chr17_2057833
chr4	796019	796019	+	1.305E-11	1.1773E-10	0.215586	hyper	sig	chr4_796019
chr1	2237775	2237775	+	1.305E-11	1.1777E-10	0.221939	hyper	sig	chr1_2237775
chr19	10230110	10230110	+	1.305E-11	1.1777E-10	0.241593	hyper	sig	chr19_10230110
chr22	50000087	50000087	+	1.306E-11	1.1781E-10	0.234392	hyper	sig	chr22_50000087
chr12	1.24E+08	124328453	+	1.306E-11	1.1786E-10	0.222832	hyper	sig	chr12_124328453
chr3	13622047	13622047	+	1.307E-11	1.1795E-10	-0.20317	hypo	sig	chr3_13622047
chr6	1.7E+08	170423174	+	1.307E-11	1.1795E-10	0.215925	hyper	sig	chr6_170423174
chr7	57404943	57404943	+	1.308E-11	1.1796E-10	0.257237	hyper	sig	chr7_57404943
chr1	2.28E+08	228157658	+	1.309E-11	1.1805E-10	-0.2129	hypo	sig	chr1_228157658
chr22	31611275	31611275	+	1.309E-11	1.1807E-10	0.216823	hyper	sig	chr22_31611275
chr15	96773469	96773469	+	1.309E-11	1.1811E-10	-0.22964	hypo	sig	chr15_96773469
chr7	1513592	1513592	+	1.312E-11	1.1837E-10	-0.21221	hypo	sig	chr7_1513592
chr9	1.22E+08	122220154	+	1.312E-11	1.1838E-10	0.260022	hyper	sig	chr9_122220154
chr7	28958613	28958613	+	1.313E-11	1.1843E-10	0.203118	hyper	sig	chr7_28958613
chr3	52226357	52226357	+	1.314E-11	1.1849E-10	-0.2152	hypo	sig	chr3_52226357
chr7	1.01E+08	100874754	+	1.314E-11	1.1851E-10	0.230462	hyper	sig	chr7_100874754
chr16	31712189	31712189	+	1.316E-11	1.1871E-10	-0.21551	hypo	sig	chr16_31712189
chr2	2.42E+08	241804260	+	1.316E-11	1.1872E-10	0.256256	hyper	sig	chr2_241804260
chr21	18245556	18245556	+	1.316E-11	1.1873E-10	0.257612	hyper	sig	chr21_18245556
chr20	63973833	63973833	+	1.317E-11	1.1875E-10	0.263032	hyper	sig	chr20_63973833
chr12	1.17E+08	116880022	+	1.317E-11	1.1877E-10	0.259344	hyper	sig	chr12_116880022
chr2	1.92E+08	191881262	+	1.318E-11	1.1887E-10	-0.23557	hypo	sig	chr2_191881262
chr18	79524553	79524553	+	1.319E-11	1.1896E-10	-0.25137	hypo	sig	chr18_79524553
chr20	34559759	34559759	+	1.32E-11	1.1902E-10	0.213906	hyper	sig	chr20_34559759
chr12	53965977	53965977	+	1.32E-11	1.1902E-10	0.237391	hyper	sig	chr12_53965977
chr20	62710678	62710678	+	1.321E-11	1.1908E-10	-0.22215	hypo	sig	chr20_62710678

chr15	84599935	84599935	+	1.322E-11	1.1918E-10	-0.24292	hypo	sig	chr15_84599935
chr2	1.05E+08	104854890	+	1.322E-11	1.1922E-10	0.208213	hyper	sig	chr2_104854890
chr19	46079185	46079185	+	1.322E-11	1.1922E-10	0.241175	hyper	sig	chr19_46079185
chr5	1.41E+08	140875832	+	1.322E-11	1.1923E-10	0.251696	hyper	sig	chr5_140875832
chr9	1.36E+08	136202520	+	1.323E-11	1.1928E-10	0.236861	hyper	sig	chr9_136202520
chr1	2.29E+08	229432589	+	1.324E-11	1.1938E-10	0.260903	hyper	sig	chr1_229432589
chr12	1.32E+08	132202831	+	1.324E-11	1.194E-10	-0.2932	hypo	sig	chr12_132202831
chr5	1.41E+08	140788084	+	1.325E-11	1.1945E-10	0.232323	hyper	sig	chr5_140788084
chr1	44617416	44617416	+	1.325E-11	1.1945E-10	0.271943	hyper	sig	chr1_44617416
chr14	1.03E+08	102508504	+	1.326E-11	1.1953E-10	-0.20166	hypo	sig	chr14_102508504
chr19	48297224	48297224	+	1.326E-11	1.1955E-10	-0.21101	hypo	sig	chr19_48297224
chr12	50033043	50033043	+	1.326E-11	1.1959E-10	0.348106	hyper	sig	chr12_50033043
chr4	54110017	54110017	+	1.327E-11	1.1961E-10	0.220919	hyper	sig	chr4_54110017
chr14	28765993	28765993	+	1.327E-11	1.1965E-10	0.230343	hyper	sig	chr14_28765993
chr19	2213957	2213957	+	1.329E-11	1.1977E-10	0.21092	hyper	sig	chr19_2213957
chr2	2.36E+08	235749422	+	1.329E-11	1.1979E-10	0.356664	hyper	sig	chr2_235749422
chr1	1.6E+08	160370992	+	1.329E-11	1.1984E-10	0.248654	hyper	sig	chr1_160370992
chr2	1.05E+08	104858014	+	1.33E-11	1.1988E-10	0.243717	hyper	sig	chr2_104858014
chr13	1.12E+08	111956842	+	1.33E-11	1.1993E-10	-0.35148	hypo	sig	chr13_111956842
chr3	51955721	51955721	+	1.33E-11	1.1994E-10	0.202342	hyper	sig	chr3_51955721
chr16	30474252	30474252	+	1.331E-11	1.1996E-10	0.27017	hyper	sig	chr16_30474252
chr16	12803038	12803038	+	1.331E-11	1.2001E-10	-0.22025	hypo	sig	chr16_12803038
chr12	48203034	48203034	+	1.332E-11	1.2003E-10	-0.20344	hypo	sig	chr12_48203034
chr2	95025306	95025306	+	1.332E-11	1.2011E-10	0.257098	hyper	sig	chr2_95025306
chr11	1.19E+08	118909157	+	1.333E-11	1.2013E-10	0.240895	hyper	sig	chr11_118909157
chr2	42492793	42492793	+	1.333E-11	1.2015E-10	0.343856	hyper	sig	chr2_42492793
chr10	43728369	43728369	+	1.334E-11	1.2021E-10	-0.2529	hypo	sig	chr10_43728369
chr6	6736847	6736847	+	1.334E-11	1.2024E-10	0.227562	hyper	sig	chr6_6736847
chr1	2.28E+08	228158343	+	1.334E-11	1.2025E-10	0.269082	hyper	sig	chr1_228158343
chr7	697164	697164	+	1.335E-11	1.2028E-10	0.204605	hyper	sig	chr7_697164
chr22	29581804	29581804	+	1.335E-11	1.2035E-10	-0.21632	hypo	sig	chr22_29581804
chr19	4552484	4552484	+	1.335E-11	1.2036E-10	-0.21931	hypo	sig	chr19_4552484
chr3	1.47E+08	147388467	+	1.336E-11	1.2042E-10	0.305608	hyper	sig	chr3_147388467
chr10	79838706	79838706	+	1.337E-11	1.2052E-10	0.20531	hyper	sig	chr10_79838706
chr9	1.35E+08	134787369	+	1.337E-11	1.2052E-10	-0.20316	hypo	sig	chr9_134787369
chr10	1.34E+08	133560193	+	1.338E-11	1.2057E-10	-0.20874	hypo	sig	chr10_133560193
chr9	1.35E+08	134643298	+	1.338E-11	1.2058E-10	0.315399	hyper	sig	chr9_134643298
chr9	1.37E+08	136693432	+	1.339E-11	1.2065E-10	-0.28602	hypo	sig	chr9_136693432
chr16	1427869	1427869	+	1.341E-11	1.2084E-10	-0.26835	hypo	sig	chr16_1427869
chr1	2.08E+08	207645364	+	1.342E-11	1.209E-10	0.224964	hyper	sig	chr1_207645364
chr1	34166522	34166522	+	1.342E-11	1.2093E-10	0.216379	hyper	sig	chr1_34166522
chr9	1.37E+08	136667916	+	1.342E-11	1.2094E-10	-0.2051	hypo	sig	chr9_136667916
chr15	31149033	31149033	+	1.342E-11	1.2095E-10	-0.25012	hypo	sig	chr15_31149033
chr7	1587474	1587474	+	1.344E-11	1.211E-10	-0.28126	hypo	sig	chr7_1587474
chr5	1.41E+08	141101290	+	1.344E-11	1.2114E-10	0.214939	hyper	sig	chr5_141101290
chr1	21280274	21280274	+	1.346E-11	1.2124E-10	-0.22189	hypo	sig	chr1_21280274
chr1	2.26E+08	226123902	+	1.346E-11	1.2129E-10	-0.20698	hypo	sig	chr1_226123902
chr12	52319235	52319235	+	1.346E-11	1.2129E-10	-0.24165	hypo	sig	chr12_52319235
chr2	1.3E+08	130202670	+	1.346E-11	1.2131E-10	-0.21078	hypo	sig	chr2_130202670
chr17	57874695	57874695	+	1.346E-11	1.2131E-10	0.234239	hyper	sig	chr17_57874695
chr7	1E+08	100177959	+	1.346E-11	1.2131E-10	0.299765	hyper	sig	chr7_100177959
chr12	1820492	1820492	+	1.347E-11	1.2132E-10	0.267651	hyper	sig	chr12_1820492
chr1	17522219	17522219	+	1.347E-11	1.2133E-10	-0.20506	hypo	sig	chr1_17522219
chr14	1.05E+08	104793451	+	1.347E-11	1.2136E-10	0.238334	hyper	sig	chr14_104793451
chr5	71719598	71719598	+	1.347E-11	1.2139E-10	0.282995	hyper	sig	chr5_71719598
chr8	1.4E+08	140360197	+	1.347E-11	1.2139E-10	0.220642	hyper	sig	chr8_140360197

chr2	20226220	20226220	+	1.348E-11	1.2141E-10	-0.23638	hypo	sig	chr2_20226220
chr13	30133210	30133210	+	1.348E-11	1.2142E-10	-0.25145	hypo	sig	chr13_30133210
chr13	1.12E+08	112250135	+	1.348E-11	1.2145E-10	-0.22319	hypo	sig	chr13_112250135
chr16	29663582	29663582	+	1.348E-11	1.2145E-10	-0.23687	hypo	sig	chr16_29663582
chr2	1.13E+08	112978035	+	1.348E-11	1.2145E-10	-0.2301	hypo	sig	chr2_112978035
chr3	1.47E+08	147394301	+	1.348E-11	1.2145E-10	0.214982	hyper	sig	chr3_147394301
chr13	99991801	99991801	+	1.348E-11	1.2146E-10	0.215764	hyper	sig	chr13_99991801
chr14	99522348	99522348	+	1.349E-11	1.2149E-10	0.287403	hyper	sig	chr14_99522348
chr11	31815811	31815811	+	1.349E-11	1.2151E-10	0.210792	hyper	sig	chr11_31815811
chr22	50085257	50085257	+	1.349E-11	1.2154E-10	-0.22	hypo	sig	chr22_50085257
chr10	1.01E+08	101226186	+	1.35E-11	1.216E-10	0.243411	hyper	sig	chr10_101226186
chr8	73185567	73185567	+	1.352E-11	1.218E-10	-0.22382	hypo	sig	chr8_73185567
chr10	1.01E+08	101226189	+	1.353E-11	1.2183E-10	0.250688	hyper	sig	chr10_101226189
chr6	30748654	30748654	+	1.353E-11	1.2184E-10	-0.24981	hypo	sig	chr6_30748654
chr4	7436952	7436952	+	1.353E-11	1.2187E-10	-0.24035	hypo	sig	chr4_7436952
chr11	1.2E+08	119568242	+	1.354E-11	1.2196E-10	0.270798	hyper	sig	chr11_119568242
chr7	32428515	32428515	+	1.354E-11	1.2197E-10	0.265575	hyper	sig	chr7_32428515
chr12	1.22E+08	121581057	+	1.355E-11	1.2207E-10	0.230655	hyper	sig	chr12_121581057
chr7	610588	610588	+	1.356E-11	1.2208E-10	0.225966	hyper	sig	chr7_610588
chr19	52453798	52453798	+	1.357E-11	1.2218E-10	0.311948	hyper	sig	chr19_52453798
chr5	2757121	2757121	+	1.357E-11	1.2222E-10	0.232041	hyper	sig	chr5_2757121
chr5	3311205	3311205	+	1.358E-11	1.2227E-10	-0.22303	hypo	sig	chr5_3311205
chr13	1.08E+08	108495595	+	1.359E-11	1.2241E-10	0.301858	hyper	sig	chr13_108495595
chr16	4664404	4664404	+	1.36E-11	1.2247E-10	-0.22035	hypo	sig	chr16_4664404
chr17	39607900	39607900	+	1.36E-11	1.2248E-10	0.212104	hyper	sig	chr17_39607900
chr11	60951331	60951331	+	1.361E-11	1.2252E-10	0.222875	hyper	sig	chr11_60951331
chr5	1.29E+08	129459838	+	1.361E-11	1.2252E-10	0.277277	hyper	sig	chr5_129459838
chr8	64376735	64376735	+	1.361E-11	1.2257E-10	0.242228	hyper	sig	chr8_64376735
chr18	57428634	57428634	+	1.362E-11	1.2262E-10	0.211122	hyper	sig	chr18_57428634
chr19	11361312	11361312	+	1.362E-11	1.2266E-10	-0.26449	hypo	sig	chr19_11361312
chr7	2480166	2480166	+	1.362E-11	1.2266E-10	0.259533	hyper	sig	chr7_2480166
chr7	63560499	63560499	+	1.362E-11	1.2267E-10	-0.21183	hypo	sig	chr7_63560499
chr2	96986070	96986070	+	1.363E-11	1.2274E-10	0.253083	hyper	sig	chr2_96986070
chr12	47756067	47756067	+	1.364E-11	1.2278E-10	-0.24476	hypo	sig	chr12_47756067
chr12	1.21E+08	120719814	+	1.364E-11	1.2282E-10	-0.22284	hypo	sig	chr12_120719814
chr5	1.73E+08	173236690	+	1.365E-11	1.229E-10	0.252634	hyper	sig	chr5_173236690
chr1	1.98E+08	197914060	+	1.365E-11	1.2293E-10	0.236382	hyper	sig	chr1_197914060
chr6	1.34E+08	134176429	+	1.366E-11	1.2294E-10	0.221237	hyper	sig	chr6_134176429
chr2	11587111	11587111	+	1.366E-11	1.2294E-10	-0.24741	hypo	sig	chr2_11587111
chr7	27147428	27147428	+	1.366E-11	1.2296E-10	0.204093	hyper	sig	chr7_27147428
chr5	1446328	1446328	+	1.366E-11	1.2296E-10	0.294415	hyper	sig	chr5_1446328
chr19	51458683	51458683	+	1.366E-11	1.2298E-10	-0.24462	hypo	sig	chr19_51458683
chr16	4664138	4664138	+	1.366E-11	1.2299E-10	-0.20128	hypo	sig	chr16_4664138
chr15	82629941	82629941	+	1.366E-11	1.2302E-10	-0.23736	hypo	sig	chr15_82629941
chr15	96320967	96320967	+	1.367E-11	1.231E-10	-0.2158	hypo	sig	chr15_96320967
chr1	2903506	2903506	+	1.368E-11	1.2317E-10	-0.20265	hypo	sig	chr1_2903506
chr10	84198695	84198695	+	1.368E-11	1.2318E-10	-0.20864	hypo	sig	chr10_84198695
chr8	30387106	30387106	+	1.369E-11	1.232E-10	0.256322	hyper	sig	chr8_30387106
chr17	38841207	38841207	+	1.369E-11	1.2321E-10	0.23553	hyper	sig	chr17_38841207
chr7	1.51E+08	151019279	+	1.369E-11	1.2322E-10	0.202478	hyper	sig	chr7_151019279
chr8	64373357	64373357	+	1.37E-11	1.2328E-10	0.222431	hyper	sig	chr8_64373357
chr10	1.33E+08	132785060	+	1.37E-11	1.2332E-10	0.326514	hyper	sig	chr10_132785060
chr3	1.83E+08	183429168	+	1.371E-11	1.234E-10	0.242872	hyper	sig	chr3_183429168
chr19	31354014	31354014	+	1.373E-11	1.2356E-10	-0.24296	hypo	sig	chr19_31354014
chr12	57236685	57236685	+	1.373E-11	1.2359E-10	0.229005	hyper	sig	chr12_57236685
chr3	1.47E+08	147424501	+	1.375E-11	1.2372E-10	0.227114	hyper	sig	chr3_147424501

chr10	1.01E+08	101291436	+	1.375E-11	1.2377E-10	0.226454	hyper	sig	chr10_101291436
chr6	28259704	28259704	+	1.375E-11	1.2378E-10	0.241179	hyper	sig	chr6_28259704
chr20	3081779	3081779	+	1.376E-11	1.2381E-10	-0.22333	hypo	sig	chr20_3081779
chr5	1.41E+08	141156178	+	1.376E-11	1.2381E-10	0.21109	hyper	sig	chr5_141156178
chr5	1.33E+08	132822995	+	1.376E-11	1.2384E-10	0.226383	hyper	sig	chr5_132822995
chr4	17435861	17435861	+	1.378E-11	1.2398E-10	-0.22115	hypo	sig	chr4_17435861
chr13	26046510	26046510	+	1.378E-11	1.2399E-10	-0.23643	hypo	sig	chr13_26046510
chr6	10384893	10384893	+	1.38E-11	1.2421E-10	0.276647	hyper	sig	chr6_10384893
chr11	29934367	29934367	+	1.381E-11	1.2428E-10	-0.22863	hypo	sig	chr11_29934367
chr12	49337590	49337590	+	1.381E-11	1.2429E-10	0.233366	hyper	sig	chr12_49337590
chr12	52088501	52088501	+	1.381E-11	1.2429E-10	-0.21348	hypo	sig	chr12_52088501
chr13	27791678	27791678	+	1.384E-11	1.2452E-10	0.234624	hyper	sig	chr13_27791678
chr17	79890391	79890391	+	1.384E-11	1.2454E-10	0.203607	hyper	sig	chr17_79890391
chr19	2546963	2546963	+	1.386E-11	1.2472E-10	-0.20488	hypo	sig	chr19_2546963
chr19	58118647	58118647	+	1.389E-11	1.2493E-10	0.255082	hyper	sig	chr19_58118647
chr2	1.09E+08	109032404	+	1.389E-11	1.2493E-10	-0.33924	hypo	sig	chr2_109032404
chr16	1543431	1543431	+	1.389E-11	1.2498E-10	-0.25902	hypo	sig	chr16_1543431
chr2	1.15E+08	114662630	+	1.39E-11	1.2505E-10	0.216508	hyper	sig	chr2_114662630
chr22	36703113	36703113	+	1.39E-11	1.2505E-10	0.26197	hyper	sig	chr22_36703113
chr4	61202467	61202467	+	1.39E-11	1.2507E-10	0.242432	hyper	sig	chr4_61202467
chr9	1.27E+08	126625525	+	1.391E-11	1.2517E-10	0.245998	hyper	sig	chr9_126625525
chr14	37622235	37622235	+	1.393E-11	1.2535E-10	0.232683	hyper	sig	chr14_37622235
chr21	36696982	36696982	+	1.394E-11	1.2541E-10	0.309838	hyper	sig	chr21_36696982
chr16	81584122	81584122	+	1.395E-11	1.2549E-10	-0.23147	hypo	sig	chr16_81584122
chr17	43917595	43917595	+	1.396E-11	1.2555E-10	0.200869	hyper	sig	chr17_43917595
chr3	56683776	56683776	+	1.397E-11	1.2565E-10	-0.21855	hypo	sig	chr3_56683776
chr22	45889805	45889805	+	1.397E-11	1.2567E-10	0.224847	hyper	sig	chr22_45889805
chr3	44585290	44585290	+	1.397E-11	1.2567E-10	0.269817	hyper	sig	chr3_44585290
chr5	1748966	1748966	+	1.397E-11	1.2569E-10	-0.22701	hypo	sig	chr5_1748966
chr9	1.34E+08	134440440	+	1.398E-11	1.2576E-10	-0.20447	hypo	sig	chr9_134440440
chr3	13072843	13072843	+	1.399E-11	1.2579E-10	0.276713	hyper	sig	chr3_13072843
chr1	21428880	21428880	+	1.399E-11	1.2582E-10	0.267834	hyper	sig	chr1_21428880
chr2	2.18E+08	217787398	+	1.4E-11	1.2591E-10	-0.20714	hypo	sig	chr2_217787398
chr20	63775495	63775495	+	1.4E-11	1.2592E-10	0.243589	hyper	sig	chr20_63775495
chr12	1.12E+08	112014649	+	1.405E-11	1.264E-10	-0.23107	hypo	sig	chr12_112014649
chr2	24827947	24827947	+	1.407E-11	1.2657E-10	0.223082	hyper	sig	chr2_24827947
chr1	6571061	6571061	+	1.407E-11	1.2657E-10	-0.28631	hypo	sig	chr1_6571061
chr5	10249003	10249003	+	1.408E-11	1.2657E-10	-0.2765	hypo	sig	chr5_10249003
chr2	48755593	48755593	+	1.408E-11	1.2658E-10	0.201012	hyper	sig	chr2_48755593
chr7	1.51E+08	151008649	+	1.408E-11	1.266E-10	0.263698	hyper	sig	chr7_151008649
chr11	1853158	1853158	+	1.409E-11	1.2673E-10	-0.23096	hypo	sig	chr11_1853158
chr1	76075261	76075261	+	1.41E-11	1.2675E-10	0.376632	hyper	sig	chr1_76075261
chr7	91266038	91266038	+	1.411E-11	1.2684E-10	0.262449	hyper	sig	chr7_91266038
chr16	90000325	90000325	+	1.411E-11	1.2684E-10	-0.25102	hypo	sig	chr16_90000325
chr11	92225607	92225607	+	1.412E-11	1.2693E-10	0.26521	hyper	sig	chr11_92225607
chr12	10454765	10454765	+	1.412E-11	1.2694E-10	-0.29275	hypo	sig	chr12_10454765
chr7	1.51E+08	151430158	+	1.412E-11	1.2695E-10	-0.35296	hypo	sig	chr7_151430158
chr11	69948693	69948693	+	1.412E-11	1.2695E-10	-0.28573	hypo	sig	chr11_69948693
chr11	73309716	73309716	+	1.413E-11	1.2703E-10	0.212591	hyper	sig	chr11_73309716
chr7	27160025	27160025	+	1.413E-11	1.2706E-10	-0.29089	hypo	sig	chr7_27160025
chr8	1.41E+08	141228975	+	1.414E-11	1.2712E-10	-0.20125	hypo	sig	chr8_141228975
chr17	42671534	42671534	+	1.417E-11	1.2736E-10	-0.20048	hypo	sig	chr17_42671534
chr3	1.47E+08	147413301	+	1.418E-11	1.2744E-10	0.251543	hyper	sig	chr3_147413301
chr3	13623539	13623539	+	1.419E-11	1.2753E-10	-0.22938	hypo	sig	chr3_13623539
chr9	1.33E+08	132770662	+	1.421E-11	1.2772E-10	0.270309	hyper	sig	chr9_132770662
chr2	1.35E+08	134718173	+	1.421E-11	1.2776E-10	0.2629	hyper	sig	chr2_134718173

chr6	28825488	28825488	+	1.421E-11	1.2776E-10	0.204717	hyper	sig	chr6_28825488
chr2	2.06E+08	206444139	+	1.421E-11	1.2777E-10	0.277947	hyper	sig	chr2_206444139
chr7	1.58E+08	157675650	+	1.422E-11	1.278E-10	-0.24454	hypo	sig	chr7_157675650
chr17	6713805	6713805	+	1.423E-11	1.2786E-10	0.273618	hyper	sig	chr17_6713805
chr13	1.1E+08	110475724	+	1.424E-11	1.2795E-10	-0.21144	hypo	sig	chr13_110475724
chr17	41098198	41098198	+	1.424E-11	1.2795E-10	-0.20024	hypo	sig	chr17_41098198
chr3	1.96E+08	195849829	+	1.424E-11	1.2795E-10	-0.34224	hypo	sig	chr3_195849829
chr2	1.19E+08	118845532	+	1.424E-11	1.2797E-10	0.252103	hyper	sig	chr2_118845532
chr1	11047249	11047249	+	1.425E-11	1.2804E-10	-0.21568	hypo	sig	chr1_11047249
chr19	4579764	4579764	+	1.425E-11	1.2805E-10	-0.26794	hypo	sig	chr19_4579764
chr18	57648532	57648532	+	1.425E-11	1.2808E-10	0.200185	hyper	sig	chr18_57648532
chr10	14602115	14602115	+	1.425E-11	1.2808E-10	-0.2061	hypo	sig	chr10_14602115
chr10	67874434	67874434	+	1.427E-11	1.2824E-10	-0.21514	hypo	sig	chr10_67874434
chr12	75207740	75207740	+	1.427E-11	1.2827E-10	0.278894	hyper	sig	chr12_75207740
chr10	1.32E+08	132296387	+	1.428E-11	1.283E-10	-0.22108	hypo	sig	chr10_132296387
chr9	5186073	5186073	+	1.428E-11	1.2832E-10	-0.26528	hypo	sig	chr9_5186073
chr2	2.42E+08	241891103	+	1.428E-11	1.2834E-10	-0.20105	hypo	sig	chr2_241891103
chr1	2323345	2323345	+	1.429E-11	1.2837E-10	-0.24259	hypo	sig	chr1_2323345
chr16	31042602	31042602	+	1.429E-11	1.2837E-10	0.245366	hyper	sig	chr16_31042602
chr2	64770928	64770928	+	1.429E-11	1.2843E-10	0.252627	hyper	sig	chr2_64770928
chr7	26857519	26857519	+	1.43E-11	1.2846E-10	-0.21703	hypo	sig	chr7_26857519
chr2	74436270	74436270	+	1.431E-11	1.2854E-10	0.203166	hyper	sig	chr2_74436270
chr9	1.36E+08	135560878	+	1.431E-11	1.2858E-10	-0.21725	hypo	sig	chr9_135560878
chr19	23071665	23071665	+	1.431E-11	1.286E-10	0.211209	hyper	sig	chr19_23071665
chr17	40936883	40936883	+	1.433E-11	1.2872E-10	-0.27974	hypo	sig	chr17_40936883
chr12	1.32E+08	132452104	+	1.433E-11	1.2875E-10	-0.22247	hypo	sig	chr12_132452104
chr6	43297809	43297809	+	1.433E-11	1.2876E-10	0.297458	hyper	sig	chr6_43297809
chr10	1.33E+08	133360513	+	1.433E-11	1.2877E-10	-0.24632	hypo	sig	chr10_133360513
chr8	95136062	95136062	+	1.434E-11	1.2882E-10	-0.21461	hypo	sig	chr8_95136062
chr17	47852291	47852291	+	1.434E-11	1.2883E-10	0.204072	hyper	sig	chr17_47852291
chr11	1086898	1086898	+	1.435E-11	1.2888E-10	-0.22566	hypo	sig	chr11_1086898
chr17	79137881	79137881	+	1.436E-11	1.2898E-10	0.226262	hyper	sig	chr17_79137881
chr1	75135473	75135473	+	1.437E-11	1.2905E-10	0.204383	hyper	sig	chr1_75135473
chr10	1.22E+08	121609218	+	1.437E-11	1.2905E-10	-0.23281	hypo	sig	chr10_121609218
chr18	48956069	48956069	+	1.437E-11	1.2913E-10	0.218465	hyper	sig	chr18_48956069
chr6	3156338	3156338	+	1.438E-11	1.2919E-10	0.249405	hyper	sig	chr6_3156338
chr16	67162545	67162545	+	1.438E-11	1.2921E-10	0.234628	hyper	sig	chr16_67162545
chr13	1.12E+08	112184728	+	1.439E-11	1.2923E-10	-0.20088	hypo	sig	chr13_112184728
chr4	1.54E+08	153788726	+	1.439E-11	1.2927E-10	0.220171	hyper	sig	chr4_153788726
chr8	57143367	57143367	+	1.44E-11	1.2933E-10	0.321931	hyper	sig	chr8_57143367
chr5	1.41E+08	141431569	+	1.44E-11	1.2934E-10	0.24697	hyper	sig	chr5_141431569
chr15	93041825	93041825	+	1.44E-11	1.2937E-10	-0.28339	hypo	sig	chr15_93041825
chr8	1.44E+08	144107626	+	1.441E-11	1.2941E-10	0.226488	hyper	sig	chr8_144107626
chr7	27210005	27210005	+	1.442E-11	1.2953E-10	-0.20818	hypo	sig	chr7_27210005
chr7	4245697	4245697	+	1.442E-11	1.2953E-10	-0.24344	hypo	sig	chr7_4245697
chr2	70907371	70907371	+	1.442E-11	1.2955E-10	0.201976	hyper	sig	chr2_70907371
chr19	46079128	46079128	+	1.443E-11	1.296E-10	0.259187	hyper	sig	chr19_46079128
chr3	55482186	55482186	+	1.443E-11	1.2963E-10	0.209227	hyper	sig	chr3_55482186
chr14	64541882	64541882	+	1.444E-11	1.2967E-10	0.236223	hyper	sig	chr14_64541882
chr8	23710392	23710392	+	1.444E-11	1.2968E-10	0.24445	hyper	sig	chr8_23710392
chr12	54047505	54047505	+	1.444E-11	1.297E-10	0.264083	hyper	sig	chr12_54047505
chr7	1.51E+08	151011824	+	1.445E-11	1.2972E-10	-0.21346	hypo	sig	chr7_151011824
chr19	3879860	3879860	+	1.445E-11	1.2974E-10	-0.22053	hypo	sig	chr19_3879860
chr1	1.65E+08	165355913	+	1.446E-11	1.2981E-10	0.261263	hyper	sig	chr1_165355913
chr19	57527839	57527839	+	1.446E-11	1.2982E-10	0.240364	hyper	sig	chr19_57527839
chr5	1.41E+08	140850297	+	1.448E-11	1.2998E-10	0.270997	hyper	sig	chr5_140850297

chr16	67432333	67432333	+	1.448E-11	1.2999E-10	-0.21682	hypo	sig	chr16_67432333
chr20	63342638	63342638	+	1.448E-11	1.3005E-10	-0.23097	hypo	sig	chr20_63342638
chr10	22334232	22334232	+	1.449E-11	1.3006E-10	0.278732	hyper	sig	chr10_22334232
chr16	84267723	84267723	+	1.45E-11	1.3021E-10	-0.25018	hypo	sig	chr16_84267723
chr12	34353539	34353539	+	1.451E-11	1.3028E-10	0.245026	hyper	sig	chr12_34353539
chr1	75135395	75135395	+	1.452E-11	1.3032E-10	0.201445	hyper	sig	chr1_75135395
chr13	1.12E+08	112069931	+	1.452E-11	1.3033E-10	0.391086	hyper	sig	chr13_112069931
chr22	43437124	43437124	+	1.452E-11	1.3033E-10	-0.27305	hypo	sig	chr22_43437124
chr2	6918298	6918298	+	1.452E-11	1.3038E-10	0.243786	hyper	sig	chr2_6918298
chr5	2169597	2169597	+	1.454E-11	1.3051E-10	-0.24375	hypo	sig	chr5_2169597
chr22	43127316	43127316	+	1.454E-11	1.3052E-10	-0.28526	hypo	sig	chr22_43127316
chr16	648033	648033	+	1.455E-11	1.306E-10	-0.21959	hypo	sig	chr16_648033
chr17	82342463	82342463	+	1.455E-11	1.3062E-10	-0.24379	hypo	sig	chr17_82342463
chr5	19988279	19988279	+	1.456E-11	1.3072E-10	0.20682	hyper	sig	chr5_19988279
chr11	69542872	69542872	+	1.457E-11	1.3082E-10	0.288925	hyper	sig	chr11_69542872
chr11	1.29E+08	128690433	+	1.458E-11	1.3083E-10	0.237693	hyper	sig	chr11_128690433
chr8	11866381	11866381	+	1.458E-11	1.3085E-10	-0.22932	hypo	sig	chr8_11866381
chr16	2714200	2714200	+	1.458E-11	1.3088E-10	-0.22291	hypo	sig	chr16_2714200
chr14	24172497	24172497	+	1.459E-11	1.3093E-10	0.214265	hyper	sig	chr14_24172497
chr12	63149970	63149970	+	1.459E-11	1.3099E-10	0.287409	hyper	sig	chr12_63149970
chr7	44145734	44145734	+	1.461E-11	1.3113E-10	0.330347	hyper	sig	chr7_44145734
chr5	1.35E+08	135327129	+	1.462E-11	1.3118E-10	0.209814	hyper	sig	chr5_135327129
chr1	9202452	9202452	+	1.462E-11	1.3121E-10	0.204819	hyper	sig	chr1_9202452
chr5	81232917	81232917	+	1.462E-11	1.3123E-10	0.206667	hyper	sig	chr5_81232917
chr5	40756744	40756744	+	1.462E-11	1.3123E-10	-0.23749	hypo	sig	chr5_40756744
chr14	94773921	94773921	+	1.463E-11	1.3128E-10	0.232926	hyper	sig	chr14_94773921
chr9	1.29E+08	129253986	+	1.463E-11	1.313E-10	0.291467	hyper	sig	chr9_129253986
chr11	70826771	70826771	+	1.464E-11	1.314E-10	0.225435	hyper	sig	chr11_70826771
chr22	45863763	45863763	+	1.465E-11	1.3148E-10	-0.2302	hypo	sig	chr22_45863763
chr10	1176468	1176468	+	1.465E-11	1.315E-10	-0.23548	hypo	sig	chr10_1176468
chr8	10613442	10613442	+	1.465E-11	1.315E-10	-0.31387	hypo	sig	chr8_10613442
chr15	47183959	47183959	+	1.469E-11	1.3177E-10	-0.23652	hypo	sig	chr15_47183959
chr1	50426665	50426665	+	1.469E-11	1.318E-10	0.244653	hyper	sig	chr1_50426665
chr16	3180723	3180723	+	1.469E-11	1.3185E-10	0.246575	hyper	sig	chr16_3180723
chr17	80546498	80546498	+	1.47E-11	1.3186E-10	-0.23313	hypo	sig	chr17_80546498
chr14	36504164	36504164	+	1.47E-11	1.3189E-10	0.243298	hyper	sig	chr14_36504164
chr20	63658093	63658093	+	1.471E-11	1.32E-10	0.247956	hyper	sig	chr20_63658093
chr2	479049	479049	+	1.472E-11	1.3202E-10	-0.23149	hypo	sig	chr2_479049
chr9	96217683	96217683	+	1.473E-11	1.3213E-10	0.210096	hyper	sig	chr9_96217683
chr9	1.3E+08	130262517	+	1.473E-11	1.3213E-10	-0.23551	hypo	sig	chr9_130262517
chr10	7173417	7173417	+	1.473E-11	1.3216E-10	-0.23296	hypo	sig	chr10_7173417
chr2	94998614	94998614	+	1.473E-11	1.3216E-10	0.292279	hyper	sig	chr2_94998614
chr10	27413530	27413530	+	1.475E-11	1.3231E-10	0.238379	hyper	sig	chr10_27413530
chr7	194719	194719	+	1.476E-11	1.3242E-10	0.211059	hyper	sig	chr7_194719
chr17	1078452	1078452	+	1.477E-11	1.3247E-10	0.211042	hyper	sig	chr17_1078452
chr16	85112502	85112502	+	1.478E-11	1.3257E-10	-0.22813	hypo	sig	chr16_85112502
chr22	48503467	48503467	+	1.479E-11	1.327E-10	-0.2362	hypo	sig	chr22_48503467
chr7	1.51E+08	151341415	+	1.48E-11	1.3279E-10	0.297191	hyper	sig	chr7_151341415
chr7	32431794	32431794	+	1.481E-11	1.3283E-10	-0.29421	hypo	sig	chr7_32431794
chr2	1784233	1784233	+	1.481E-11	1.3284E-10	-0.21602	hypo	sig	chr2_1784233
chr16	49638080	49638080	+	1.482E-11	1.3289E-10	-0.21168	hypo	sig	chr16_49638080
chr17	47848238	47848238	+	1.482E-11	1.3293E-10	0.257574	hyper	sig	chr17_47848238
chr1	37761898	37761898	+	1.482E-11	1.3296E-10	0.279345	hyper	sig	chr1_37761898
chr2	1.19E+08	118845453	+	1.483E-11	1.3305E-10	0.271926	hyper	sig	chr2_118845453
chr2	2.42E+08	241804032	+	1.484E-11	1.3306E-10	0.202735	hyper	sig	chr2_241804032
chr19	3290347	3290347	+	1.484E-11	1.3311E-10	-0.28371	hypo	sig	chr19_3290347

chr2	2.17E+08	216583517	+	1.485E-11	1.3319E-10	-0.25611	hypo	sig	chr2_216583517
chr17	83091788	83091788	+	1.485E-11	1.332E-10	-0.25234	hypo	sig	chr17_83091788
chr2	55923924	55923924	+	1.486E-11	1.3325E-10	0.247918	hyper	sig	chr2_55923924
chr17	36939717	36939717	+	1.487E-11	1.3335E-10	0.208211	hyper	sig	chr17_36939717
chr10	1.3E+08	129862262	+	1.488E-11	1.3341E-10	-0.27014	hypo	sig	chr10_129862262
chr12	8234314	8234314	+	1.489E-11	1.3353E-10	-0.39651	hypo	sig	chr12_8234314
chr16	29251762	29251762	+	1.489E-11	1.3354E-10	-0.25439	hypo	sig	chr16_29251762
chr5	5887281	5887281	+	1.489E-11	1.3355E-10	0.248279	hyper	sig	chr5_5887281
chr9	1.37E+08	136696130	+	1.492E-11	1.3375E-10	-0.21815	hypo	sig	chr9_136696130
chr16	3029893	3029893	+	1.492E-11	1.3382E-10	0.215214	hyper	sig	chr16_3029893
chr3	1.47E+08	147411987	+	1.492E-11	1.3382E-10	0.256889	hyper	sig	chr3_147411987
chr12	1.14E+08	114408667	+	1.493E-11	1.3383E-10	0.22232	hyper	sig	chr12_114408667
chr4	8108595	8108595	+	1.493E-11	1.3388E-10	-0.22395	hypo	sig	chr4_8108595
chr22	49704616	49704616	+	1.493E-11	1.3389E-10	0.243355	hyper	sig	chr22_49704616
chr11	1.35E+08	134665241	+	1.493E-11	1.3391E-10	-0.27893	hypo	sig	chr11_134665241
chr4	55947694	55947694	+	1.496E-11	1.3409E-10	-0.21882	hypo	sig	chr4_55947694
chr4	1.09E+08	109302031	+	1.497E-11	1.3423E-10	0.224582	hyper	sig	chr4_109302031
chr1	31754573	31754573	+	1.499E-11	1.3438E-10	-0.24972	hypo	sig	chr1_31754573
chr12	53987229	53987229	+	1.499E-11	1.344E-10	0.21882	hyper	sig	chr12_53987229
chr16	31569661	31569661	+	1.499E-11	1.3441E-10	0.206658	hyper	sig	chr16_31569661
chr1	44813460	44813460	+	1.5E-11	1.345E-10	0.255472	hyper	sig	chr1_44813460
chr16	89818961	89818961	+	1.501E-11	1.3454E-10	-0.25034	hypo	sig	chr16_89818961
chr1	47984297	47984297	+	1.501E-11	1.3455E-10	0.247612	hyper	sig	chr1_47984297
chr14	60642489	60642489	+	1.501E-11	1.346E-10	0.220542	hyper	sig	chr14_60642489
chr8	22690167	22690167	+	1.504E-11	1.3477E-10	0.245673	hyper	sig	chr8_22690167
chr13	87673185	87673185	+	1.505E-11	1.3486E-10	0.257026	hyper	sig	chr13_87673185
chr8	1.43E+08	142777211	+	1.505E-11	1.3488E-10	0.217358	hyper	sig	chr8_142777211
chr17	82066271	82066271	+	1.505E-11	1.3492E-10	-0.20258	hypo	sig	chr17_82066271
chr12	85278554	85278554	+	1.505E-11	1.3492E-10	0.238856	hyper	sig	chr12_85278554
chr20	63537206	63537206	+	1.507E-11	1.3506E-10	-0.2063	hypo	sig	chr20_63537206
chr8	41829155	41829155	+	1.507E-11	1.3508E-10	0.220846	hyper	sig	chr8_41829155
chr13	36346691	36346691	+	1.507E-11	1.3508E-10	0.217605	hyper	sig	chr13_36346691
chr2	1.21E+08	120984641	+	1.508E-11	1.3515E-10	-0.22965	hypo	sig	chr2_120984641
chr6	52839582	52839582	+	1.509E-11	1.352E-10	-0.20387	hypo	sig	chr6_52839582
chr19	55443922	55443922	+	1.509E-11	1.3526E-10	0.232993	hyper	sig	chr19_55443922
chr1	50048004	50048004	+	1.509E-11	1.3527E-10	0.224893	hyper	sig	chr1_50048004
chr7	73424384	73424384	+	1.51E-11	1.353E-10	0.206419	hyper	sig	chr7_73424384
chr4	1.85E+08	185004871	+	1.511E-11	1.3537E-10	0.200596	hyper	sig	chr4_185004871
chr3	6861485	6861485	+	1.511E-11	1.3537E-10	0.247263	hyper	sig	chr3_6861485
chr4	52076941	52076941	+	1.512E-11	1.3549E-10	0.245351	hyper	sig	chr4_52076941
chr3	1.84E+08	184177045	+	1.513E-11	1.3556E-10	0.313794	hyper	sig	chr3_184177045
chr6	1.18E+08	117548307	+	1.513E-11	1.3558E-10	0.225172	hyper	sig	chr6_117548307
chr16	2712568	2712568	+	1.513E-11	1.3562E-10	-0.25315	hypo	sig	chr16_2712568
chr6	1.46E+08	146029094	+	1.514E-11	1.357E-10	0.203523	hyper	sig	chr6_146029094
chr16	69328925	69328925	+	1.515E-11	1.3572E-10	-0.23722	hypo	sig	chr16_69328925
chr16	49277520	49277520	+	1.515E-11	1.3578E-10	0.256962	hyper	sig	chr16_49277520
chr2	27307676	27307676	+	1.515E-11	1.3578E-10	0.253852	hyper	sig	chr2_27307676
chr13	1.12E+08	111893384	+	1.515E-11	1.3579E-10	0.227039	hyper	sig	chr13_111893384
chr11	66420660	66420660	+	1.516E-11	1.3582E-10	0.277869	hyper	sig	chr11_66420660
chr5	1393979	1393979	+	1.516E-11	1.3587E-10	0.240235	hyper	sig	chr5_1393979
chr1	1.48E+08	148354546	+	1.517E-11	1.3593E-10	0.260688	hyper	sig	chr1_148354546
chr1	54781625	54781625	+	1.518E-11	1.3602E-10	0.261432	hyper	sig	chr1_54781625
chr12	7916131	7916131	+	1.518E-11	1.3604E-10	0.255125	hyper	sig	chr12_7916131
chr6	1.06E+08	105981735	+	1.518E-11	1.3604E-10	0.224014	hyper	sig	chr6_105981735
chr5	1.4E+08	139904917	+	1.519E-11	1.3607E-10	0.219649	hyper	sig	chr5_139904917
chr7	1.5E+08	149791125	+	1.519E-11	1.361E-10	-0.28168	hypo	sig	chr7_149791125

chr16	51150083	51150083	+	1.52E-11	1.3617E-10	0.254922	hyper	sig	chr16_51150083
chr4	5890106	5890106	+	1.52E-11	1.3617E-10	0.234486	hyper	sig	chr4_5890106
chr6	1E+08	100464015	+	1.52E-11	1.362E-10	0.203332	hyper	sig	chr6_100464015
chr11	1036930	1036930	+	1.521E-11	1.3621E-10	-0.23256	hypo	sig	chr11_1036930
chr7	1.59E+08	159036112	+	1.522E-11	1.3633E-10	-0.24141	hypo	sig	chr7_159036112
chr7	27122681	27122681	+	1.523E-11	1.3639E-10	-0.24749	hypo	sig	chr7_27122681
chr13	1.1E+08	110454851	+	1.525E-11	1.3662E-10	-0.23155	hypo	sig	chr13_110454851
chr16	89949596	89949596	+	1.525E-11	1.3663E-10	0.204319	hyper	sig	chr16_89949596
chr15	22951840	22951840	+	1.526E-11	1.3666E-10	0.22781	hyper	sig	chr15_22951840
chr1	16015595	16015595	+	1.526E-11	1.3668E-10	0.227279	hyper	sig	chr1_16015595
chr22	49628625	49628625	+	1.528E-11	1.3681E-10	0.257353	hyper	sig	chr22_49628625
chr19	733334	733334	+	1.529E-11	1.3698E-10	-0.25968	hypo	sig	chr19_733334
chr19	56765355	56765355	+	1.529E-11	1.3698E-10	0.213399	hyper	sig	chr19_56765355
chr10	1.3E+08	129966679	+	1.53E-11	1.3699E-10	0.212258	hyper	sig	chr10_129966679
chr13	30159311	30159311	+	1.53E-11	1.37E-10	-0.22286	hypo	sig	chr13_30159311
chr15	68666229	68666229	+	1.53E-11	1.3703E-10	-0.20564	hypo	sig	chr15_68666229
chr2	2.41E+08	240519407	+	1.53E-11	1.3705E-10	0.307632	hyper	sig	chr2_240519407
chr20	63006019	63006019	+	1.53E-11	1.3705E-10	0.229263	hyper	sig	chr20_63006019
chr6	1.37E+08	137496572	+	1.531E-11	1.3708E-10	0.260594	hyper	sig	chr6_137496572
chr19	2307646	2307646	+	1.531E-11	1.371E-10	0.260579	hyper	sig	chr19_2307646
chr16	1181693	1181693	+	1.531E-11	1.3711E-10	0.256151	hyper	sig	chr16_1181693
chr12	54047692	54047692	+	1.531E-11	1.3713E-10	0.24025	hyper	sig	chr12_54047692
chr16	29318314	29318314	+	1.533E-11	1.3729E-10	-0.20085	hypo	sig	chr16_29318314
chr15	79433256	79433256	+	1.534E-11	1.3735E-10	0.285185	hyper	sig	chr15_79433256
chr4	1.47E+08	146639076	+	1.536E-11	1.3753E-10	0.220744	hyper	sig	chr4_146639076
chr19	37403442	37403442	+	1.536E-11	1.3754E-10	0.270034	hyper	sig	chr19_37403442
chr1	11483499	11483499	+	1.537E-11	1.3767E-10	-0.21108	hypo	sig	chr1_11483499
chr16	73063138	73063138	+	1.538E-11	1.3769E-10	-0.255	hypo	sig	chr16_73063138
chr12	3305123	3305123	+	1.539E-11	1.3776E-10	-0.22175	hypo	sig	chr12_3305123
chr5	1.35E+08	135027631	+	1.539E-11	1.3779E-10	0.265308	hyper	sig	chr5_135027631
chr7	27122702	27122702	+	1.539E-11	1.3779E-10	-0.22553	hypo	sig	chr7_27122702
chr5	1.77E+08	177117123	+	1.54E-11	1.3788E-10	0.207238	hyper	sig	chr5_177117123
chr7	15685877	15685877	+	1.54E-11	1.3792E-10	0.238386	hyper	sig	chr7_15685877
chr2	36354914	36354914	+	1.541E-11	1.3794E-10	0.206035	hyper	sig	chr2_36354914
chr19	55648650	55648650	+	1.541E-11	1.3795E-10	0.244076	hyper	sig	chr19_55648650
chr17	7854811	7854811	+	1.541E-11	1.3796E-10	0.211	hyper	sig	chr17_7854811
chr17	75616901	75616901	+	1.541E-11	1.3798E-10	-0.28709	hypo	sig	chr17_75616901
chr17	28985852	28985852	+	1.542E-11	1.3802E-10	0.207309	hyper	sig	chr17_28985852
chr15	52795222	52795222	+	1.543E-11	1.381E-10	0.248826	hyper	sig	chr15_52795222
chr10	99531352	99531352	+	1.543E-11	1.3811E-10	0.237998	hyper	sig	chr10_99531352
chr7	65764577	65764577	+	1.543E-11	1.3815E-10	0.221218	hyper	sig	chr7_65764577
chr5	1.8E+08	179966917	+	1.543E-11	1.3818E-10	-0.21448	hypo	sig	chr5_179966917
chr19	40396122	40396122	+	1.544E-11	1.382E-10	-0.21924	hypo	sig	chr19_40396122
chr16	84043208	84043208	+	1.544E-11	1.3823E-10	-0.25589	hypo	sig	chr16_84043208
chr8	1.42E+08	142454136	+	1.544E-11	1.3825E-10	-0.22492	hypo	sig	chr8_142454136
chr2	1.09E+08	109130235	+	1.545E-11	1.3832E-10	0.230912	hyper	sig	chr2_109130235
chr6	1.65E+08	165310866	+	1.546E-11	1.3838E-10	-0.25178	hypo	sig	chr6_165310866
chr11	69449940	69449940	+	1.547E-11	1.3846E-10	-0.27501	hypo	sig	chr11_69449940
chr17	57916138	57916138	+	1.549E-11	1.3864E-10	0.23119	hyper	sig	chr17_57916138
chr2	95312584	95312584	+	1.55E-11	1.3877E-10	-0.22952	hypo	sig	chr2_95312584
chr1	1.19E+08	118985337	+	1.551E-11	1.3884E-10	0.27634	hyper	sig	chr1_118985337
chr13	1.11E+08	111325184	+	1.552E-11	1.3887E-10	-0.30453	hypo	sig	chr13_111325184
chr11	65783018	65783018	+	1.552E-11	1.3887E-10	-0.23543	hypo	sig	chr11_65783018
chr10	73910688	73910688	+	1.552E-11	1.389E-10	-0.21482	hypo	sig	chr10_73910688
chr7	1.58E+08	157851527	+	1.553E-11	1.3902E-10	-0.20098	hypo	sig	chr7_157851527
chr12	1.31E+08	130712504	+	1.554E-11	1.3906E-10	-0.22304	hypo	sig	chr12_130712504

chr19	40812164	40812164	+	1.554E-11	1.3909E-10	0.249522	hyper	sig	chr19_40812164
chr7	75395438	75395438	+	1.556E-11	1.3921E-10	0.245783	hyper	sig	chr7_75395438
chr1	44238039	44238039	+	1.556E-11	1.3922E-10	0.24368	hyper	sig	chr1_44238039
chr11	1.19E+08	118971814	+	1.556E-11	1.3926E-10	0.27747	hyper	sig	chr11_118971814
chr14	1.05E+08	104593940	+	1.556E-11	1.3928E-10	-0.24491	hypo	sig	chr14_104593940
chr3	1.13E+08	113441563	+	1.557E-11	1.393E-10	0.2634	hyper	sig	chr3_113441563
chr21	46661367	46661367	+	1.557E-11	1.3934E-10	0.248497	hyper	sig	chr21_46661367
chr9	1.37E+08	136949372	+	1.557E-11	1.3937E-10	-0.24491	hypo	sig	chr9_136949372
chr3	13623537	13623537	+	1.558E-11	1.3946E-10	-0.22258	hypo	sig	chr3_13623537
chr1	35577800	35577800	+	1.559E-11	1.3954E-10	0.292333	hyper	sig	chr1_35577800
chr2	96116222	96116222	+	1.56E-11	1.3962E-10	0.261722	hyper	sig	chr2_96116222
chr4	1.72E+08	171813067	+	1.56E-11	1.3962E-10	0.23048	hyper	sig	chr4_171813067
chr19	3369512	3369512	+	1.562E-11	1.3976E-10	0.325092	hyper	sig	chr19_3369512
chr2	1.98E+08	197786579	+	1.562E-11	1.3976E-10	0.229806	hyper	sig	chr2_197786579
chr11	22193137	22193137	+	1.563E-11	1.3981E-10	0.200653	hyper	sig	chr11_22193137
chr19	2136993	2136993	+	1.563E-11	1.3982E-10	0.23859	hyper	sig	chr19_2136993
chr5	1359562	1359562	+	1.566E-11	1.4008E-10	-0.20634	hypo	sig	chr5_1359562
chr3	69543009	69543009	+	1.566E-11	1.401E-10	0.361404	hyper	sig	chr3_69543009
chr7	1.55E+08	155257796	+	1.567E-11	1.4022E-10	-0.24442	hypo	sig	chr7_155257796
chr7	27147351	27147351	+	1.568E-11	1.4031E-10	0.200842	hyper	sig	chr7_27147351
chr1	47963853	47963853	+	1.569E-11	1.4039E-10	0.214074	hyper	sig	chr1_47963853
chr15	68645223	68645223	+	1.57E-11	1.4047E-10	-0.20205	hypo	sig	chr15_68645223
chr1	1.12E+08	111988666	+	1.571E-11	1.4051E-10	0.223039	hyper	sig	chr1_111988666
chr9	1.13E+08	113387801	+	1.571E-11	1.4055E-10	-0.25374	hypo	sig	chr9_113387801
chr17	4220869	4220869	+	1.572E-11	1.4059E-10	0.224657	hyper	sig	chr17_4220869
chr11	1.19E+08	119339588	+	1.573E-11	1.4069E-10	0.224519	hyper	sig	chr11_119339588
chr9	1.36E+08	136328512	+	1.573E-11	1.4069E-10	0.21179	hyper	sig	chr9_136328512
chr12	1.2E+08	119718602	+	1.573E-11	1.4071E-10	0.20479	hyper	sig	chr12_119718602
chr6	27247743	27247743	+	1.573E-11	1.4075E-10	0.202963	hyper	sig	chr6_27247743
chr5	1.78E+08	178144072	+	1.574E-11	1.4079E-10	0.236528	hyper	sig	chr5_178144072
chr7	1.57E+08	157498875	+	1.574E-11	1.4083E-10	-0.29976	hypo	sig	chr7_157498875
chr6	33073452	33073452	+	1.575E-11	1.4086E-10	-0.25068	hypo	sig	chr6_33073452
chr17	45371127	45371127	+	1.575E-11	1.4088E-10	-0.30635	hypo	sig	chr17_45371127
chr20	3732996	3732996	+	1.575E-11	1.4091E-10	0.240949	hyper	sig	chr20_3732996
chr2	2.41E+08	240818145	+	1.576E-11	1.4093E-10	-0.25585	hypo	sig	chr2_240818145
chr8	23702772	23702772	+	1.576E-11	1.4098E-10	0.220963	hyper	sig	chr8_23702772
chr11	60647608	60647608	+	1.576E-11	1.4099E-10	-0.20563	hypo	sig	chr11_60647608
chr5	1.42E+08	141693288	+	1.577E-11	1.4108E-10	-0.29998	hypo	sig	chr5_141693288
chr16	71230618	71230618	+	1.578E-11	1.4115E-10	0.229249	hyper	sig	chr16_71230618
chr5	959543	959543	+	1.578E-11	1.4116E-10	-0.26282	hypo	sig	chr5_959543
chr11	77138518	77138518	+	1.579E-11	1.4119E-10	0.259356	hyper	sig	chr11_77138518
chr12	1.32E+08	132445964	+	1.58E-11	1.4131E-10	-0.20854	hypo	sig	chr12_132445964
chr1	1.58E+08	157968900	+	1.581E-11	1.4136E-10	-0.21433	hypo	sig	chr1_157968900
chr19	33622574	33622574	+	1.581E-11	1.4142E-10	0.219741	hyper	sig	chr19_33622574
chr7	486118	486118	+	1.581E-11	1.4142E-10	-0.23703	hypo	sig	chr7_486118
chr5	1.76E+08	175655305	+	1.582E-11	1.4146E-10	-0.27291	hypo	sig	chr5_175655305
chr19	56671710	56671710	+	1.582E-11	1.4148E-10	0.224114	hyper	sig	chr19_56671710
chr5	2915133	2915133	+	1.582E-11	1.415E-10	0.236889	hyper	sig	chr5_2915133
chr5	83471631	83471631	+	1.583E-11	1.4157E-10	0.213005	hyper	sig	chr5_83471631
chr20	61885127	61885127	+	1.583E-11	1.4158E-10	-0.2509	hypo	sig	chr20_61885127
chr14	88562454	88562454	+	1.584E-11	1.4162E-10	-0.20732	hypo	sig	chr14_88562454
chr17	7290851	7290851	+	1.586E-11	1.4181E-10	0.232744	hyper	sig	chr17_7290851
chr5	1752616	1752616	+	1.587E-11	1.4188E-10	-0.24973	hypo	sig	chr5_1752616
chr12	5430512	5430512	+	1.589E-11	1.4204E-10	0.213709	hyper	sig	chr12_5430512
chr1	90729208	90729208	+	1.589E-11	1.4206E-10	0.252251	hyper	sig	chr1_90729208
chr3	1.7E+08	170423217	+	1.59E-11	1.4214E-10	-0.2158	hypo	sig	chr3_170423217

chr7	30911996	30911996	+	1.59E-11	1.422E-10	0.27379	hyper	sig	chr7_30911996
chr14	97458412	97458412	+	1.592E-11	1.4231E-10	0.253099	hyper	sig	chr14_97458412
chr11	64712046	64712046	+	1.592E-11	1.4232E-10	0.259206	hyper	sig	chr11_64712046
chr1	3063900	3063900	+	1.592E-11	1.4234E-10	0.237564	hyper	sig	chr1_3063900
chr1	10901148	10901148	+	1.594E-11	1.4249E-10	-0.2896	hypo	sig	chr1_10901148
chr7	50301694	50301694	+	1.594E-11	1.4251E-10	-0.34191	hypo	sig	chr7_50301694
chr19	35309683	35309683	+	1.594E-11	1.4254E-10	0.220593	hyper	sig	chr19_35309683
chr10	1.3E+08	129893029	+	1.596E-11	1.4263E-10	-0.27238	hypo	sig	chr10_129893029
chr4	3492855	3492855	+	1.596E-11	1.4263E-10	0.221621	hyper	sig	chr4_3492855
chr2	27738088	27738088	+	1.596E-11	1.4267E-10	-0.25403	hypo	sig	chr2_27738088
chr12	6632494	6632494	+	1.598E-11	1.4288E-10	-0.20735	hypo	sig	chr12_6632494
chr3	1.95E+08	194687416	+	1.599E-11	1.4289E-10	0.206721	hyper	sig	chr3_194687416
chr1	32216376	32216376	+	1.599E-11	1.4289E-10	-0.27479	hypo	sig	chr1_32216376
chr19	20661235	20661235	+	1.599E-11	1.4294E-10	0.206878	hyper	sig	chr19_20661235
chr10	7668049	7668049	+	1.599E-11	1.4296E-10	0.215475	hyper	sig	chr10_7668049
chr21	33029578	33029578	+	1.6E-11	1.4297E-10	0.355211	hyper	sig	chr21_33029578
chr10	25934119	25934119	+	1.6E-11	1.4298E-10	0.300085	hyper	sig	chr10_25934119
chr9	1.3E+08	130181800	+	1.6E-11	1.4303E-10	-0.26741	hypo	sig	chr9_130181800
chr15	89806327	89806327	+	1.601E-11	1.4308E-10	0.233878	hyper	sig	chr15_89806327
chr1	3747256	3747256	+	1.601E-11	1.4309E-10	0.229222	hyper	sig	chr1_3747256
chr7	64575015	64575015	+	1.601E-11	1.4312E-10	0.202597	hyper	sig	chr7_64575015
chr11	1305546	1305546	+	1.602E-11	1.4314E-10	-0.24559	hypo	sig	chr11_1305546
chr1	2.1E+08	209938690	+	1.602E-11	1.432E-10	0.259416	hyper	sig	chr1_209938690
chr13	51066179	51066179	+	1.603E-11	1.4328E-10	-0.20127	hypo	sig	chr13_51066179
chr8	1.41E+08	140528008	+	1.604E-11	1.4332E-10	0.242582	hyper	sig	chr8_140528008
chr10	79243867	79243867	+	1.604E-11	1.4333E-10	0.253443	hyper	sig	chr10_79243867
chr8	638479	638479	+	1.604E-11	1.4339E-10	-0.27998	hypo	sig	chr8_638479
chr7	1.28E+08	128168480	+	1.605E-11	1.4344E-10	0.204629	hyper	sig	chr7_128168480
chr15	26968022	26968022	+	1.605E-11	1.4345E-10	0.277422	hyper	sig	chr15_26968022
chr22	45565572	45565572	+	1.605E-11	1.4346E-10	-0.27766	hypo	sig	chr22_45565572
chr7	10779819	10779819	+	1.605E-11	1.4347E-10	-0.21111	hypo	sig	chr7_10779819
chr3	52040104	52040104	+	1.606E-11	1.4352E-10	-0.24309	hypo	sig	chr3_52040104
chr16	86954147	86954147	+	1.606E-11	1.4354E-10	0.241678	hyper	sig	chr16_86954147
chr19	6670054	6670054	+	1.607E-11	1.4362E-10	-0.26628	hypo	sig	chr19_6670054
chr7	73704406	73704406	+	1.607E-11	1.4363E-10	0.21928	hyper	sig	chr7_73704406
chr12	6709182	6709182	+	1.607E-11	1.4363E-10	0.209836	hyper	sig	chr12_6709182
chr17	50468537	50468537	+	1.608E-11	1.437E-10	0.204282	hyper	sig	chr17_50468537
chr2	1696918	1696918	+	1.608E-11	1.437E-10	-0.20416	hypo	sig	chr2_1696918
chr2	1.72E+08	172100560	+	1.608E-11	1.437E-10	0.201918	hyper	sig	chr2_172100560
chr6	1.69E+08	168887227	+	1.609E-11	1.4374E-10	-0.23682	hypo	sig	chr6_168887227
chr17	47867130	47867130	+	1.609E-11	1.4375E-10	0.227601	hyper	sig	chr17_47867130
chr4	1.18E+08	118349050	+	1.609E-11	1.4375E-10	-0.26503	hypo	sig	chr4_118349050
chr3	69009753	69009753	+	1.609E-11	1.4379E-10	0.230644	hyper	sig	chr3_69009753
chr17	14303656	14303656	+	1.61E-11	1.4386E-10	0.226972	hyper	sig	chr17_14303656
chr7	1.02E+08	102045503	+	1.611E-11	1.4393E-10	0.267537	hyper	sig	chr7_102045503
chr1	90725023	90725023	+	1.611E-11	1.4397E-10	0.260618	hyper	sig	chr1_90725023
chr8	54457611	54457611	+	1.612E-11	1.4401E-10	0.256095	hyper	sig	chr8_54457611
chr10	16519626	16519626	+	1.613E-11	1.4411E-10	0.228749	hyper	sig	chr10_16519626
chr14	89026806	89026806	+	1.615E-11	1.4432E-10	0.228355	hyper	sig	chr14_89026806
chr10	1.28E+08	128150783	+	1.616E-11	1.4437E-10	0.205897	hyper	sig	chr10_128150783
chr5	3605840	3605840	+	1.616E-11	1.4437E-10	0.238085	hyper	sig	chr5_3605840
chr6	1.05E+08	104941567	+	1.617E-11	1.4449E-10	0.249165	hyper	sig	chr6_104941567
chr19	53153363	53153363	+	1.618E-11	1.4451E-10	-0.27763	hypo	sig	chr19_53153363
chr3	27722982	27722982	+	1.619E-11	1.4458E-10	0.228239	hyper	sig	chr3_27722982
chr10	79243949	79243949	+	1.62E-11	1.4471E-10	0.24413	hyper	sig	chr10_79243949
chr14	1.04E+08	103552336	+	1.62E-11	1.4472E-10	0.311698	hyper	sig	chr14_103552336

chr2	19356800	19356800	+	1.62E-11	1.4473E-10	0.251987	hyper	sig	chr2_19356800
chr17	28717632	28717632	+	1.62E-11	1.4474E-10	0.291778	hyper	sig	chr17_28717632
chr7	1.12E+08	111563043	+	1.621E-11	1.4477E-10	-0.36882	hypo	sig	chr7_111563043
chr13	18662579	18662579	+	1.621E-11	1.4479E-10	-0.20122	hypo	sig	chr13_18662579
chr3	52534379	52534379	+	1.622E-11	1.4485E-10	0.284311	hyper	sig	chr3_52534379
chr3	1.97E+08	196948473	+	1.622E-11	1.4485E-10	0.318543	hyper	sig	chr3_196948473
chr11	70827107	70827107	+	1.622E-11	1.4488E-10	0.242452	hyper	sig	chr11_70827107
chr16	89668776	89668776	+	1.624E-11	1.4502E-10	-0.20754	hypo	sig	chr16_89668776
chr1	1.47E+08	147080016	+	1.625E-11	1.4514E-10	0.208354	hyper	sig	chr1_147080016
chr10	1.23E+08	123141961	+	1.626E-11	1.452E-10	0.221347	hyper	sig	chr10_123141961
chr5	1.41E+08	141339759	+	1.627E-11	1.4533E-10	0.202937	hyper	sig	chr5_141339759
chr6	99348908	99348908	+	1.628E-11	1.4536E-10	0.225224	hyper	sig	chr6_99348908
chr2	1.19E+08	118842892	+	1.629E-11	1.4545E-10	0.233244	hyper	sig	chr2_118842892
chr8	1816199	1816199	+	1.629E-11	1.4545E-10	0.258311	hyper	sig	chr8_1816199
chr10	1.04E+08	103573354	+	1.629E-11	1.4547E-10	-0.2305	hypo	sig	chr10_103573354
chr3	44585294	44585294	+	1.629E-11	1.4549E-10	0.225859	hyper	sig	chr3_44585294
chr20	2403702	2403702	+	1.63E-11	1.4559E-10	-0.22644	hypo	sig	chr20_2403702
chr7	1.43E+08	143388636	+	1.631E-11	1.4561E-10	0.2207	hyper	sig	chr7_143388636
chr20	2756293	2756293	+	1.631E-11	1.4563E-10	-0.25314	hypo	sig	chr20_2756293
chr5	958199	958199	+	1.631E-11	1.4565E-10	-0.2065	hypo	sig	chr5_958199
chr16	89293223	89293223	+	1.631E-11	1.4566E-10	0.20405	hyper	sig	chr16_89293223
chr14	56808354	56808354	+	1.632E-11	1.4575E-10	0.266981	hyper	sig	chr14_56808354
chr20	49910183	49910183	+	1.634E-11	1.4586E-10	-0.21456	hypo	sig	chr20_49910183
chr2	3172220	3172220	+	1.634E-11	1.4589E-10	0.244408	hyper	sig	chr2_3172220
chr12	40693056	40693056	+	1.634E-11	1.4589E-10	0.271783	hyper	sig	chr12_40693056
chr4	3645320	3645320	+	1.636E-11	1.4604E-10	-0.23397	hypo	sig	chr4_3645320
chr2	1.32E+08	131813528	+	1.637E-11	1.4615E-10	-0.22901	hypo	sig	chr2_131813528
chr5	1174325	1174325	+	1.638E-11	1.4626E-10	-0.27373	hypo	sig	chr5_1174325
chr9	97038578	97038578	+	1.639E-11	1.463E-10	0.2411	hyper	sig	chr9_97038578
chr14	1.06E+08	105598125	+	1.639E-11	1.463E-10	-0.20859	hypo	sig	chr14_105598125
chr18	79899547	79899547	+	1.64E-11	1.4637E-10	0.24814	hyper	sig	chr18_79899547
chr19	53037588	53037588	+	1.64E-11	1.4639E-10	0.25385	hyper	sig	chr19_53037588
chr16	1184770	1184770	+	1.64E-11	1.4639E-10	-0.24441	hypo	sig	chr16_1184770
chr5	2176022	2176022	+	1.64E-11	1.4642E-10	-0.25817	hypo	sig	chr5_2176022
chr13	94546158	94546158	+	1.641E-11	1.4646E-10	-0.21272	hypo	sig	chr13_94546158
chr8	64576529	64576529	+	1.641E-11	1.465E-10	0.207486	hyper	sig	chr8_64576529
chr6	30953130	30953130	+	1.643E-11	1.4669E-10	-0.21235	hypo	sig	chr6_30953130
chr1	12031407	12031407	+	1.643E-11	1.4669E-10	0.250084	hyper	sig	chr1_12031407
chr8	1.16E+08	115648316	+	1.644E-11	1.467E-10	0.314321	hyper	sig	chr8_115648316
chr10	1.32E+08	132272573	+	1.645E-11	1.468E-10	0.272102	hyper	sig	chr10_132272573
chr5	2103049	2103049	+	1.645E-11	1.4682E-10	0.23416	hyper	sig	chr5_2103049
chr11	50272090	50272090	+	1.645E-11	1.4684E-10	-0.2198	hypo	sig	chr11_50272090
chr5	83471420	83471420	+	1.646E-11	1.4692E-10	0.211262	hyper	sig	chr5_83471420
chr6	1.08E+08	108123682	+	1.646E-11	1.4692E-10	0.214301	hyper	sig	chr6_108123682
chr1	1.58E+08	158348129	+	1.647E-11	1.4702E-10	-0.2548	hypo	sig	chr1_158348129
chr21	45403938	45403938	+	1.647E-11	1.4702E-10	-0.26655	hypo	sig	chr21_45403938
chr5	1.41E+08	141409831	+	1.649E-11	1.4714E-10	0.238858	hyper	sig	chr5_141409831
chr11	71615476	71615476	+	1.65E-11	1.4722E-10	-0.21974	hypo	sig	chr11_71615476
chr5	1.27E+08	126875423	+	1.65E-11	1.4729E-10	0.266603	hyper	sig	chr5_126875423
chr1	2.29E+08	229407107	+	1.651E-11	1.4735E-10	0.311628	hyper	sig	chr1_229407107
chr16	766573	766573	+	1.651E-11	1.4736E-10	-0.28786	hypo	sig	chr16_766573
chr7	1.51E+08	151412570	+	1.652E-11	1.474E-10	-0.23672	hypo	sig	chr7_151412570
chr1	64203476	64203476	+	1.653E-11	1.4749E-10	-0.25548	hypo	sig	chr1_64203476
chr6	29554078	29554078	+	1.655E-11	1.4768E-10	0.306677	hyper	sig	chr6_29554078
chr7	1.5E+08	149692540	+	1.655E-11	1.4768E-10	0.298616	hyper	sig	chr7_149692540
chr2	2.39E+08	239118383	+	1.655E-11	1.477E-10	0.23582	hyper	sig	chr2_239118383

chr13	1.01E+08	100517604	+	1.655E-11	1.477E-10	-0.29113	hypo	sig	chr13_100517604
chr7	15685535	15685535	+	1.656E-11	1.4775E-10	0.229395	hyper	sig	chr7_15685535
chr19	4648323	4648323	+	1.657E-11	1.4782E-10	0.259996	hyper	sig	chr19_4648323
chr11	3222051	3222051	+	1.657E-11	1.4785E-10	-0.20158	hypo	sig	chr11_3222051
chr1	53576125	53576125	+	1.658E-11	1.4793E-10	-0.23469	hypo	sig	chr1_53576125
chr1	46540148	46540148	+	1.658E-11	1.4795E-10	-0.28534	hypo	sig	chr1_46540148
chr20	63348177	63348177	+	1.658E-11	1.4795E-10	-0.23858	hypo	sig	chr20_63348177
chr16	561922	561922	+	1.663E-11	1.4835E-10	-0.26337	hypo	sig	chr16_561922
chr14	1.01E+08	100825913	+	1.664E-11	1.4846E-10	0.294272	hyper	sig	chr14_100825913
chr12	1.14E+08	114395978	+	1.665E-11	1.4851E-10	0.258212	hyper	sig	chr12_114395978
chr8	1.44E+08	143719094	+	1.665E-11	1.4857E-10	-0.26194	hypo	sig	chr8_143719094
chr7	32299471	32299471	+	1.667E-11	1.4874E-10	0.225145	hyper	sig	chr7_32299471
chr17	49225104	49225104	+	1.668E-11	1.4878E-10	0.293106	hyper	sig	chr17_49225104
chr19	50717223	50717223	+	1.668E-11	1.4881E-10	-0.29427	hypo	sig	chr19_50717223
chr1	1.19E+08	119008306	+	1.669E-11	1.4886E-10	0.267471	hyper	sig	chr1_119008306
chr20	33283082	33283082	+	1.669E-11	1.4886E-10	-0.21625	hypo	sig	chr20_33283082
chr13	78597001	78597001	+	1.669E-11	1.4887E-10	0.211352	hyper	sig	chr13_78597001
chr16	1430991	1430991	+	1.67E-11	1.4892E-10	-0.21069	hypo	sig	chr16_1430991
chr10	26217802	26217802	+	1.67E-11	1.4896E-10	0.253909	hyper	sig	chr10_26217802
chr11	1.29E+08	129373536	+	1.671E-11	1.4907E-10	0.229044	hyper	sig	chr11_129373536
chr2	66444357	66444357	+	1.672E-11	1.4908E-10	0.231285	hyper	sig	chr2_66444357
chr19	53978271	53978271	+	1.672E-11	1.4911E-10	0.355592	hyper	sig	chr19_53978271
chr17	48555850	48555850	+	1.673E-11	1.492E-10	0.205999	hyper	sig	chr17_48555850
chr19	30450947	30450947	+	1.673E-11	1.4923E-10	0.22542	hyper	sig	chr19_30450947
chr3	96777078	96777078	+	1.674E-11	1.4926E-10	0.24937	hyper	sig	chr3_96777078
chr5	1879384	1879384	+	1.674E-11	1.4931E-10	0.332903	hyper	sig	chr5_1879384
chr19	19262928	19262928	+	1.676E-11	1.4944E-10	0.204274	hyper	sig	chr19_19262928
chr4	1.35E+08	134502772	+	1.676E-11	1.4947E-10	-0.25922	hypo	sig	chr4_134502772
chr5	1859613	1859613	+	1.676E-11	1.4948E-10	-0.25443	hypo	sig	chr5_1859613
chr12	54004694	54004694	+	1.677E-11	1.4951E-10	0.255063	hyper	sig	chr12_54004694
chr12	53324314	53324314	+	1.677E-11	1.4958E-10	0.207529	hyper	sig	chr12_53324314
chr13	20177118	20177118	+	1.677E-11	1.4958E-10	0.204012	hyper	sig	chr13_20177118
chr12	6963751	6963751	+	1.678E-11	1.4961E-10	-0.23714	hypo	sig	chr12_6963751
chr16	88259376	88259376	+	1.678E-11	1.4966E-10	-0.21337	hypo	sig	chr16_88259376
chr9	1.22E+08	122092385	+	1.679E-11	1.4969E-10	0.2177	hyper	sig	chr9_122092385
chr8	1.41E+08	141207509	+	1.679E-11	1.4971E-10	-0.22633	hypo	sig	chr8_141207509
chr11	2826453	2826453	+	1.68E-11	1.4981E-10	0.224901	hyper	sig	chr11_2826453
chr13	99997813	99997813	+	1.681E-11	1.4987E-10	0.261166	hyper	sig	chr13_99997813
chr17	48555836	48555836	+	1.682E-11	1.4993E-10	0.218665	hyper	sig	chr17_48555836
chr3	51707264	51707264	+	1.683E-11	1.5007E-10	0.220426	hyper	sig	chr3_51707264
chr4	1.74E+08	173516799	+	1.685E-11	1.5024E-10	0.202028	hyper	sig	chr4_173516799
chr22	46374814	46374814	+	1.686E-11	1.503E-10	-0.25152	hypo	sig	chr22_46374814
chr10	45224501	45224501	+	1.688E-11	1.5049E-10	-0.22595	hypo	sig	chr10_45224501
chr16	88892119	88892119	+	1.688E-11	1.5049E-10	-0.20237	hypo	sig	chr16_88892119
chr13	50127402	50127402	+	1.688E-11	1.5051E-10	0.247748	hyper	sig	chr13_50127402
chr10	43452046	43452046	+	1.689E-11	1.506E-10	-0.25833	hypo	sig	chr10_43452046
chr8	98426492	98426492	+	1.69E-11	1.5061E-10	0.336601	hyper	sig	chr8_98426492
chr4	17781844	17781844	+	1.691E-11	1.5071E-10	0.234869	hyper	sig	chr4_17781844
chr16	88485014	88485014	+	1.691E-11	1.5075E-10	-0.2069	hypo	sig	chr16_88485014
chr6	1.68E+08	168101283	+	1.691E-11	1.5077E-10	0.222148	hyper	sig	chr6_168101283
chr14	1.06E+08	105731677	+	1.692E-11	1.5081E-10	-0.21218	hypo	sig	chr14_105731677
chr19	58118710	58118710	+	1.692E-11	1.5082E-10	0.26865	hyper	sig	chr19_58118710
chr17	8057139	8057139	+	1.693E-11	1.5087E-10	-0.21735	hypo	sig	chr17_8057139
chr13	20946301	20946301	+	1.693E-11	1.509E-10	0.230161	hyper	sig	chr13_20946301
chr5	1.41E+08	141345707	+	1.693E-11	1.5094E-10	0.203601	hyper	sig	chr5_141345707
chr6	27275318	27275318	+	1.694E-11	1.5094E-10	0.208915	hyper	sig	chr6_27275318

chr1	38051650	38051650	+	1.694E-11	1.5098E-10	-0.2335	hypo	sig	chr1_38051650
chr3	13932964	13932964	+	1.695E-11	1.5102E-10	0.242246	hyper	sig	chr3_13932964
chr1	1.19E+08	118988477	+	1.695E-11	1.5108E-10	0.200992	hyper	sig	chr1_118988477
chr6	10411058	10411058	+	1.696E-11	1.5114E-10	0.271697	hyper	sig	chr6_10411058
chr17	10197804	10197804	+	1.696E-11	1.5117E-10	0.226048	hyper	sig	chr17_10197804
chr7	1.01E+08	100836400	+	1.698E-11	1.5129E-10	-0.32233	hypo	sig	chr7_100836400
chr7	42228003	42228003	+	1.699E-11	1.5141E-10	0.213614	hyper	sig	chr7_42228003
chr1	38570296	38570296	+	1.7E-11	1.5151E-10	-0.23497	hypo	sig	chr1_38570296
chr17	16420178	16420178	+	1.702E-11	1.5163E-10	-0.21538	hypo	sig	chr17_16420178
chr22	24188380	24188380	+	1.702E-11	1.5163E-10	-0.24488	hypo	sig	chr22_24188380
chr12	1.25E+08	125136952	+	1.702E-11	1.5163E-10	0.223997	hyper	sig	chr12_125136952
chr5	1.41E+08	140850636	+	1.702E-11	1.5168E-10	0.217866	hyper	sig	chr5_140850636
chr1	1648401	1648401	+	1.703E-11	1.5174E-10	-0.25364	hypo	sig	chr1_1648401
chr8	8891768	8891768	+	1.703E-11	1.5174E-10	0.206784	hyper	sig	chr8_8891768
chr1	18099389	18099389	+	1.704E-11	1.5179E-10	-0.26725	hypo	sig	chr1_18099389
chr13	23945925	23945925	+	1.704E-11	1.5182E-10	0.211626	hyper	sig	chr13_23945925
chr12	54033119	54033119	+	1.704E-11	1.5184E-10	0.202993	hyper	sig	chr12_54033119
chr16	57620005	57620005	+	1.705E-11	1.5188E-10	-0.24909	hypo	sig	chr16_57620005
chr16	88488436	88488436	+	1.705E-11	1.519E-10	-0.20068	hypo	sig	chr16_88488436
chr17	11554565	11554565	+	1.706E-11	1.5202E-10	-0.23863	hypo	sig	chr17_11554565
chr7	1980496	1980496	+	1.707E-11	1.521E-10	-0.21734	hypo	sig	chr7_1980496
chr12	1.32E+08	132391378	+	1.708E-11	1.5215E-10	-0.23867	hypo	sig	chr12_132391378
chr2	1.96E+08	195656573	+	1.708E-11	1.522E-10	-0.21839	hypo	sig	chr2_195656573
chr8	30562418	30562418	+	1.709E-11	1.5227E-10	0.218241	hyper	sig	chr8_30562418
chr13	1.14E+08	114017469	+	1.711E-11	1.5238E-10	-0.28586	hypo	sig	chr13_114017469
chr2	96527382	96527382	+	1.713E-11	1.5261E-10	0.262778	hyper	sig	chr2_96527382
chr7	1.58E+08	157634873	+	1.714E-11	1.5265E-10	-0.20892	hypo	sig	chr7_157634873
chr10	80458	80458	+	1.716E-11	1.5286E-10	-0.22378	hypo	sig	chr10_80458
chr6	10385232	10385232	+	1.717E-11	1.5293E-10	0.262035	hyper	sig	chr6_10385232
chr16	67649776	67649776	+	1.717E-11	1.5294E-10	0.266329	hyper	sig	chr16_67649776
chr17	35488565	35488565	+	1.717E-11	1.5295E-10	0.202548	hyper	sig	chr17_35488565
chr9	118097	118097	+	1.717E-11	1.5296E-10	0.336419	hyper	sig	chr9_118097
chr16	1021005	1021005	+	1.718E-11	1.5298E-10	-0.24523	hypo	sig	chr16_1021005
chr17	28717638	28717638	+	1.718E-11	1.5304E-10	0.287407	hyper	sig	chr17_28717638
chr4	6329393	6329393	+	1.719E-11	1.5306E-10	-0.23517	hypo	sig	chr4_6329393
chr10	27413551	27413551	+	1.719E-11	1.5307E-10	0.231117	hyper	sig	chr10_27413551
chr17	77373893	77373893	+	1.719E-11	1.531E-10	0.206916	hyper	sig	chr17_77373893
chr9	1.35E+08	134557489	+	1.719E-11	1.5311E-10	-0.25603	hypo	sig	chr9_134557489
chr20	63064262	63064262	+	1.72E-11	1.5322E-10	-0.21366	hypo	sig	chr20_63064262
chr5	1.41E+08	141403616	+	1.721E-11	1.5323E-10	0.207639	hyper	sig	chr5_141403616
chr1	2.11E+08	210683793	+	1.721E-11	1.5327E-10	-0.20796	hypo	sig	chr1_210683793
chr1	2174743	2174743	+	1.721E-11	1.5328E-10	0.258539	hyper	sig	chr1_2174743
chr15	34754447	34754447	+	1.722E-11	1.5336E-10	0.240781	hyper	sig	chr15_34754447
chr1	50424983	50424983	+	1.723E-11	1.5339E-10	0.280984	hyper	sig	chr1_50424983
chr14	36506238	36506238	+	1.723E-11	1.5343E-10	0.229426	hyper	sig	chr14_36506238
chr20	58882379	58882379	+	1.724E-11	1.5356E-10	-0.24391	hypo	sig	chr20_58882379
chr8	28702969	28702969	+	1.725E-11	1.5358E-10	0.233223	hyper	sig	chr8_28702969
chr15	79091097	79091097	+	1.726E-11	1.5365E-10	0.253176	hyper	sig	chr15_79091097
chr20	20365499	20365499	+	1.726E-11	1.5365E-10	0.299936	hyper	sig	chr20_20365499
chr12	1.32E+08	132431226	+	1.726E-11	1.5368E-10	-0.2508	hypo	sig	chr12_132431226
chr16	86303863	86303863	+	1.728E-11	1.5382E-10	0.212237	hyper	sig	chr16_86303863
chr2	2.32E+08	231921633	+	1.729E-11	1.5391E-10	-0.22523	hypo	sig	chr2_231921633
chr16	88981961	88981961	+	1.729E-11	1.5393E-10	-0.21838	hypo	sig	chr16_88981961
chr3	1.35E+08	134799457	+	1.729E-11	1.5398E-10	0.271663	hyper	sig	chr3_134799457
chr1	18927537	18927537	+	1.73E-11	1.5403E-10	-0.20225	hypo	sig	chr1_18927537
chr4	1.47E+08	146633076	+	1.731E-11	1.5407E-10	0.288866	hyper	sig	chr4_146633076

chr3	1.42E+08	141797659	+	1.732E-11	1.5418E-10	0.308846	hyper	sig	chr3_141797659
chr2	43101164	43101164	+	1.733E-11	1.5425E-10	0.205881	hyper	sig	chr2_43101164
chr7	1.58E+08	157675573	+	1.734E-11	1.5435E-10	-0.30132	hypo	sig	chr7_157675573
chr19	15790357	15790357	+	1.734E-11	1.5436E-10	-0.20996	hypo	sig	chr19_15790357
chr19	695564	695564	+	1.735E-11	1.5447E-10	-0.22594	hypo	sig	chr19_695564
chr20	63028662	63028662	+	1.738E-11	1.5467E-10	0.290252	hyper	sig	chr20_63028662
chr19	38303854	38303854	+	1.739E-11	1.5478E-10	-0.27145	hypo	sig	chr19_38303854
chr5	1446093	1446093	+	1.739E-11	1.5478E-10	0.239631	hyper	sig	chr5_1446093
chr16	2055014	2055014	+	1.739E-11	1.5481E-10	-0.22261	hypo	sig	chr16_2055014
chr16	87278451	87278451	+	1.74E-11	1.5485E-10	-0.21824	hypo	sig	chr16_87278451
chr19	22809707	22809707	+	1.74E-11	1.5489E-10	-0.20457	hypo	sig	chr19_22809707
chr16	68642741	68642741	+	1.74E-11	1.5491E-10	0.238363	hyper	sig	chr16_68642741
chr7	55254374	55254374	+	1.742E-11	1.55E-10	-0.20538	hypo	sig	chr7_55254374
chr19	840873	840873	+	1.742E-11	1.5501E-10	-0.22665	hypo	sig	chr19_840873
chr2	1.13E+08	113499284	+	1.742E-11	1.5504E-10	0.299015	hyper	sig	chr2_113499284
chr2	1.6E+08	160396889	+	1.742E-11	1.5506E-10	-0.28583	hypo	sig	chr2_160396889
chr12	1.24E+08	124391555	+	1.743E-11	1.551E-10	-0.22362	hypo	sig	chr12_124391555
chr17	80513319	80513319	+	1.745E-11	1.5529E-10	-0.20259	hypo	sig	chr17_80513319
chr9	38487262	38487262	+	1.746E-11	1.5541E-10	-0.32426	hypo	sig	chr9_38487262
chr13	1.12E+08	112071844	+	1.747E-11	1.5547E-10	0.24451	hyper	sig	chr13_112071844
chr10	1.01E+08	100829861	+	1.747E-11	1.5549E-10	0.281286	hyper	sig	chr10_100829861
chr1	55039117	55039117	+	1.747E-11	1.5549E-10	-0.22761	hypo	sig	chr1_55039117
chr2	63056763	63056763	+	1.753E-11	1.5599E-10	0.245956	hyper	sig	chr2_63056763
chr2	1.76E+08	176189510	+	1.754E-11	1.5607E-10	0.269309	hyper	sig	chr2_176189510
chr14	60655445	60655445	+	1.754E-11	1.5609E-10	0.304388	hyper	sig	chr14_60655445
chr16	24255571	24255571	+	1.755E-11	1.5616E-10	0.223531	hyper	sig	chr16_24255571
chr10	1.19E+08	118595750	+	1.755E-11	1.5617E-10	0.290741	hyper	sig	chr10_118595750
chr6	28765896	28765896	+	1.756E-11	1.5622E-10	0.223947	hyper	sig	chr6_28765896
chr3	1.85E+08	184769970	+	1.758E-11	1.5638E-10	-0.24807	hypo	sig	chr3_184769970
chr8	90649488	90649488	+	1.758E-11	1.5642E-10	-0.31383	hypo	sig	chr8_90649488
chr3	1.38E+08	137771354	+	1.758E-11	1.5643E-10	0.211376	hyper	sig	chr3_137771354
chr1	2.26E+08	226109612	+	1.759E-11	1.5645E-10	0.204304	hyper	sig	chr1_226109612
chr10	1.28E+08	128214913	+	1.759E-11	1.5647E-10	-0.22034	hypo	sig	chr10_128214913
chr9	1.37E+08	136511890	+	1.76E-11	1.5656E-10	0.206249	hyper	sig	chr9_136511890
chr1	1.65E+08	164576606	+	1.76E-11	1.5659E-10	0.241774	hyper	sig	chr1_164576606
chr5	37836326	37836326	+	1.761E-11	1.566E-10	0.302412	hyper	sig	chr5_37836326
chr19	35678342	35678342	+	1.761E-11	1.5662E-10	-0.24355	hypo	sig	chr19_35678342
chr1	3080807	3080807	+	1.761E-11	1.5663E-10	0.2346	hyper	sig	chr1_3080807
chr11	31806366	31806366	+	1.761E-11	1.5667E-10	0.219211	hyper	sig	chr11_31806366
chr1	3121063	3121063	+	1.762E-11	1.5671E-10	-0.2462	hypo	sig	chr1_3121063
chr17	27293578	27293578	+	1.762E-11	1.5673E-10	-0.25606	hypo	sig	chr17_27293578
chr9	94607536	94607536	+	1.763E-11	1.5683E-10	-0.24128	hypo	sig	chr9_94607536
chr10	1.17E+08	117006086	+	1.763E-11	1.5683E-10	-0.27021	hypo	sig	chr10_117006086
chr7	1.22E+08	122307369	+	1.764E-11	1.5687E-10	0.293653	hyper	sig	chr7_122307369
chr3	6861474	6861474	+	1.766E-11	1.5703E-10	0.235749	hyper	sig	chr3_6861474
chr3	1.39E+08	138941630	+	1.766E-11	1.5703E-10	-0.26552	hypo	sig	chr3_138941630
chr3	13932972	13932972	+	1.766E-11	1.5706E-10	0.238457	hyper	sig	chr3_13932972
chr3	1.94E+08	193869878	+	1.77E-11	1.574E-10	-0.21696	hypo	sig	chr3_193869878
chr7	979366	979366	+	1.77E-11	1.574E-10	-0.20084	hypo	sig	chr7_979366
chr7	51803888	51803888	+	1.77E-11	1.5741E-10	-0.23535	hypo	sig	chr7_51803888
chr7	1.02E+08	101875567	+	1.771E-11	1.5752E-10	0.260212	hyper	sig	chr7_101875567
chr10	1.28E+08	128047704	+	1.773E-11	1.5763E-10	-0.20265	hypo	sig	chr10_128047704
chr10	1.17E+08	117132707	+	1.773E-11	1.5766E-10	0.225393	hyper	sig	chr10_117132707
chr19	19262934	19262934	+	1.773E-11	1.5766E-10	0.240915	hyper	sig	chr19_19262934
chr11	1.16E+08	115653686	+	1.773E-11	1.5771E-10	-0.26938	hypo	sig	chr11_115653686
chr19	36033207	36033207	+	1.774E-11	1.5773E-10	0.302034	hyper	sig	chr19_36033207

chr1	1.98E+08	197910570	+	1.777E-11	1.5802E-10	0.305697	hyper	sig	chr1_197910570
chr22	36282338	36282338	+	1.778E-11	1.5808E-10	0.232104	hyper	sig	chr22_36282338
chr7	2310056	2310056	+	1.778E-11	1.581E-10	0.225217	hyper	sig	chr7_2310056
chr8	1914961	1914961	+	1.779E-11	1.5819E-10	0.211759	hyper	sig	chr8_1914961
chr10	99531164	99531164	+	1.779E-11	1.5821E-10	0.217318	hyper	sig	chr10_99531164
chr5	1.79E+08	178993689	+	1.781E-11	1.5832E-10	-0.29019	hypo	sig	chr5_178993689
chr10	1.3E+08	129965390	+	1.782E-11	1.5842E-10	0.255171	hyper	sig	chr10_129965390
chr6	31580795	31580795	+	1.783E-11	1.5853E-10	0.209258	hyper	sig	chr6_31580795
chr2	85134902	85134902	+	1.785E-11	1.5867E-10	0.237593	hyper	sig	chr2_85134902
chr19	935271	935271	+	1.785E-11	1.5868E-10	0.204833	hyper	sig	chr19_935271
chr5	1.41E+08	141350569	+	1.786E-11	1.5876E-10	0.21319	hyper	sig	chr5_141350569
chr3	42936590	42936590	+	1.786E-11	1.5877E-10	0.236162	hyper	sig	chr3_42936590
chr7	4871652	4871652	+	1.788E-11	1.5892E-10	-0.27267	hypo	sig	chr7_4871652
chr5	88695562	88695562	+	1.788E-11	1.5898E-10	0.291601	hyper	sig	chr5_88695562
chr2	3535974	3535974	+	1.791E-11	1.592E-10	0.20599	hyper	sig	chr2_3535974
chr10	72317172	72317172	+	1.791E-11	1.5924E-10	-0.24406	hypo	sig	chr10_72317172
chr9	1.37E+08	137278891	+	1.792E-11	1.5924E-10	0.273535	hyper	sig	chr9_137278891
chr7	6871659	6871659	+	1.792E-11	1.5924E-10	-0.25886	hypo	sig	chr7_6871659
chr12	1.2E+08	120398012	+	1.792E-11	1.5925E-10	0.223748	hyper	sig	chr12_120398012
chr10	1.33E+08	132848637	+	1.793E-11	1.5936E-10	-0.20357	hypo	sig	chr10_132848637
chr4	7772877	7772877	+	1.793E-11	1.5938E-10	0.248799	hyper	sig	chr4_7772877
chr17	20907915	20907915	+	1.795E-11	1.595E-10	-0.28449	hypo	sig	chr17_20907915
chr2	2.41E+08	240684170	+	1.795E-11	1.5952E-10	-0.23717	hypo	sig	chr2_240684170
chr4	54108494	54108494	+	1.795E-11	1.5954E-10	0.244385	hyper	sig	chr4_54108494
chr5	1.23E+08	123086770	+	1.796E-11	1.5957E-10	-0.23642	hypo	sig	chr5_123086770
chr13	21060175	21060175	+	1.796E-11	1.5959E-10	0.314961	hyper	sig	chr13_21060175
chr17	82005844	82005844	+	1.796E-11	1.5959E-10	0.219396	hyper	sig	chr17_82005844
chr10	1.33E+08	132916725	+	1.796E-11	1.5965E-10	-0.24291	hypo	sig	chr10_132916725
chr1	3183205	3183205	+	1.797E-11	1.597E-10	-0.23675	hypo	sig	chr1_3183205
chr3	42906671	42906671	+	1.798E-11	1.5976E-10	0.272903	hyper	sig	chr3_42906671
chr19	54164522	54164522	+	1.798E-11	1.5979E-10	0.249209	hyper	sig	chr19_54164522
chr17	1025775	1025775	+	1.799E-11	1.5982E-10	0.206048	hyper	sig	chr17_1025775
chr20	30488905	30488905	+	1.8E-11	1.5993E-10	0.300637	hyper	sig	chr20_30488905
chr17	52160286	52160286	+	1.8E-11	1.5997E-10	0.228596	hyper	sig	chr17_52160286
chr19	58003273	58003273	+	1.802E-11	1.6014E-10	0.252249	hyper	sig	chr19_58003273
chr2	1.28E+08	128487603	+	1.803E-11	1.6022E-10	-0.29922	hypo	sig	chr2_128487603
chr1	27351424	27351424	+	1.804E-11	1.6026E-10	0.226491	hyper	sig	chr1_27351424
chr7	56483969	56483969	+	1.804E-11	1.6032E-10	0.242473	hyper	sig	chr7_56483969
chr1	2943269	2943269	+	1.806E-11	1.6042E-10	-0.25567	hypo	sig	chr1_2943269
chr15	20354042	20354042	+	1.806E-11	1.6043E-10	-0.22975	hypo	sig	chr15_20354042
chr1	1966559	1966559	+	1.806E-11	1.6049E-10	0.296142	hyper	sig	chr1_1966559
chr3	1.3E+08	129594021	+	1.808E-11	1.6058E-10	-0.2166	hypo	sig	chr3_129594021
chr17	82876302	82876302	+	1.808E-11	1.606E-10	-0.2071	hypo	sig	chr17_82876302
chr3	1.26E+08	126416453	+	1.808E-11	1.606E-10	0.31241	hyper	sig	chr3_126416453
chr2	2.32E+08	232419869	+	1.808E-11	1.6063E-10	0.279993	hyper	sig	chr2_232419869
chr16	88975777	88975777	+	1.809E-11	1.6073E-10	-0.22446	hypo	sig	chr16_88975777
chr16	63617658	63617658	+	1.811E-11	1.609E-10	0.241029	hyper	sig	chr16_63617658
chr16	86444039	86444039	+	1.811E-11	1.609E-10	-0.22438	hypo	sig	chr16_86444039
chr2	38074662	38074662	+	1.812E-11	1.6094E-10	0.219829	hyper	sig	chr2_38074662
chr19	19514477	19514477	+	1.812E-11	1.6099E-10	0.262438	hyper	sig	chr19_19514477
chr2	1.76E+08	176124819	+	1.812E-11	1.6099E-10	-0.22787	hypo	sig	chr2_176124819
chr2	81195239	81195239	+	1.813E-11	1.6101E-10	-0.24229	hypo	sig	chr2_81195239
chr17	9925458	9925458	+	1.813E-11	1.6101E-10	-0.22102	hypo	sig	chr17_9925458
chr1	7678983	7678983	+	1.815E-11	1.6124E-10	-0.24172	hypo	sig	chr1_7678983
chr19	49049626	49049626	+	1.817E-11	1.6135E-10	-0.26638	hypo	sig	chr19_49049626
chr1	1.45E+08	144567558	+	1.818E-11	1.6143E-10	0.257608	hyper	sig	chr1_144567558

chr17	81453329	81453329	+	1.819E-11	1.6156E-10	-0.21466	hypo	sig	chr17_81453329
chr12	1.24E+08	124423570	+	1.819E-11	1.6159E-10	0.202626	hyper	sig	chr12_124423570
chr6	34238852	34238852	+	1.82E-11	1.616E-10	-0.24784	hypo	sig	chr6_34238852
chr15	65356489	65356489	+	1.82E-11	1.6167E-10	-0.22897	hypo	sig	chr15_65356489
chr1	27010498	27010498	+	1.82E-11	1.6167E-10	0.246793	hyper	sig	chr1_27010498
chr4	3385480	3385480	+	1.821E-11	1.6174E-10	-0.30984	hypo	sig	chr4_3385480
chr9	1.37E+08	136670633	+	1.821E-11	1.6174E-10	-0.21773	hypo	sig	chr9_136670633
chr2	1.61E+08	161427300	+	1.822E-11	1.6181E-10	0.204406	hyper	sig	chr2_161427300
chr1	54886032	54886032	+	1.824E-11	1.6193E-10	-0.23873	hypo	sig	chr1_54886032
chr2	1.24E+08	124024751	+	1.826E-11	1.6211E-10	0.370015	hyper	sig	chr2_124024751
chr12	1.3E+08	130017853	+	1.826E-11	1.6216E-10	0.265733	hyper	sig	chr12_130017853
chr10	1.33E+08	132851647	+	1.827E-11	1.6219E-10	-0.27648	hypo	sig	chr10_132851647
chr19	50290929	50290929	+	1.827E-11	1.6227E-10	0.244552	hyper	sig	chr19_50290929
chr1	13430787	13430787	+	1.828E-11	1.623E-10	-0.28268	hypo	sig	chr1_13430787
chr10	1.32E+08	131812344	+	1.828E-11	1.6231E-10	-0.23842	hypo	sig	chr10_131812344
chr6	31580765	31580765	+	1.832E-11	1.6265E-10	0.211924	hyper	sig	chr6_31580765
chr3	1381557	1381557	+	1.833E-11	1.6272E-10	-0.22055	hypo	sig	chr3_1381557
chr4	55157832	55157832	+	1.833E-11	1.6277E-10	0.290131	hyper	sig	chr4_55157832
chr19	50827126	50827126	+	1.834E-11	1.6279E-10	0.212087	hyper	sig	chr19_50827126
chr15	29115589	29115589	+	1.835E-11	1.6289E-10	0.235664	hyper	sig	chr15_29115589
chr11	1.34E+08	134471538	+	1.835E-11	1.6292E-10	0.240468	hyper	sig	chr11_134471538
chr2	1.32E+08	131590962	+	1.836E-11	1.6303E-10	-0.21337	hypo	sig	chr2_131590962
chr7	1.55E+08	155071376	+	1.838E-11	1.6316E-10	0.268038	hyper	sig	chr7_155071376
chr10	22477274	22477274	+	1.841E-11	1.6338E-10	0.28863	hyper	sig	chr10_22477274
chr1	2.28E+08	228158365	+	1.841E-11	1.6344E-10	0.258561	hyper	sig	chr1_228158365
chr1	2.3E+08	229570471	+	1.842E-11	1.635E-10	-0.27175	hypo	sig	chr1_229570471
chr17	5772726	5772726	+	1.843E-11	1.6355E-10	-0.24183	hypo	sig	chr17_5772726
chr7	1.02E+08	102300787	+	1.843E-11	1.6357E-10	0.396915	hyper	sig	chr7_102300787
chr1	50047999	50047999	+	1.843E-11	1.6358E-10	0.227625	hyper	sig	chr1_50047999
chr3	1.72E+08	172447683	+	1.844E-11	1.6363E-10	0.339837	hyper	sig	chr3_172447683
chr3	49719003	49719003	+	1.844E-11	1.6364E-10	0.212026	hyper	sig	chr3_49719003
chr6	32080672	32080672	+	1.845E-11	1.6375E-10	-0.20654	hypo	sig	chr6_32080672
chr17	57045530	57045530	+	1.847E-11	1.6393E-10	0.281244	hyper	sig	chr17_57045530
chr2	1816397	1816397	+	1.85E-11	1.6416E-10	0.254016	hyper	sig	chr2_1816397
chr5	51377958	51377958	+	1.85E-11	1.6417E-10	0.214882	hyper	sig	chr5_51377958
chr6	1E+08	100457839	+	1.852E-11	1.644E-10	0.215209	hyper	sig	chr6_100457839
chr17	61454388	61454388	+	1.853E-11	1.6443E-10	0.205648	hyper	sig	chr17_61454388
chr1	2.4E+08	240493437	+	1.853E-11	1.6444E-10	-0.21678	hypo	sig	chr1_240493437
chr2	96865204	96865204	+	1.854E-11	1.645E-10	0.210918	hyper	sig	chr2_96865204
chr20	38721252	38721252	+	1.854E-11	1.6454E-10	0.271842	hyper	sig	chr20_38721252
chr10	49679776	49679776	+	1.855E-11	1.6457E-10	0.219041	hyper	sig	chr10_49679776
chr2	9212886	9212886	+	1.855E-11	1.6461E-10	-0.20385	hypo	sig	chr2_9212886
chr12	1820501	1820501	+	1.858E-11	1.6486E-10	0.296758	hyper	sig	chr12_1820501
chr5	601139	601139	+	1.858E-11	1.649E-10	-0.24994	hypo	sig	chr5_601139
chr1	2.03E+08	203126068	+	1.861E-11	1.6512E-10	-0.22999	hypo	sig	chr1_203126068
chr5	1.71E+08	171307852	+	1.862E-11	1.6523E-10	0.234721	hyper	sig	chr5_171307852
chr11	623799	623799	+	1.863E-11	1.6529E-10	-0.21071	hypo	sig	chr11_623799
chr3	27714722	27714722	+	1.864E-11	1.6535E-10	0.211137	hyper	sig	chr3_27714722
chr10	1.33E+08	133226482	+	1.864E-11	1.6535E-10	-0.2347	hypo	sig	chr10_133226482
chr1	2.47E+08	246697120	+	1.868E-11	1.6571E-10	-0.21105	hypo	sig	chr1_246697120
chr15	77636577	77636577	+	1.868E-11	1.6573E-10	-0.20588	hypo	sig	chr15_77636577
chr3	1.82E+08	181720536	+	1.868E-11	1.6573E-10	0.202223	hyper	sig	chr3_181720536
chr1	1.55E+08	154532389	+	1.869E-11	1.6576E-10	-0.21619	hypo	sig	chr1_154532389
chr2	2.08E+08	207767678	+	1.869E-11	1.6582E-10	-0.2066	hypo	sig	chr2_207767678
chr5	1.59E+08	159104128	+	1.87E-11	1.659E-10	0.246964	hyper	sig	chr5_159104128
chr17	21689199	21689199	+	1.871E-11	1.6597E-10	-0.274	hypo	sig	chr17_21689199

chr16	73065035	73065035	+	1.872E-11	1.6603E-10	-0.21318	hypo	sig	chr16_73065035
chr19	15615063	15615063	+	1.872E-11	1.6603E-10	-0.22684	hypo	sig	chr19_15615063
chr2	2.42E+08	241946713	+	1.872E-11	1.6603E-10	-0.21118	hypo	sig	chr2_241946713
chr12	52248922	52248922	+	1.872E-11	1.6608E-10	0.222575	hyper	sig	chr12_52248922
chr1	920098	920098	+	1.873E-11	1.6612E-10	-0.20898	hypo	sig	chr1_920098
chr3	48662027	48662027	+	1.874E-11	1.662E-10	0.328395	hyper	sig	chr3_48662027
chr5	1.19E+08	119355529	+	1.875E-11	1.6628E-10	-0.27942	hypo	sig	chr5_119355529
chr13	1.12E+08	112229881	+	1.876E-11	1.6643E-10	-0.22804	hypo	sig	chr13_112229881
chr16	54291712	54291712	+	1.877E-11	1.6644E-10	0.228488	hyper	sig	chr16_54291712
chr20	31474342	31474342	+	1.879E-11	1.6666E-10	-0.24032	hypo	sig	chr20_31474342
chr1	44813450	44813450	+	1.879E-11	1.6668E-10	0.247413	hyper	sig	chr1_44813450
chr3	1.2E+08	120450956	+	1.882E-11	1.6695E-10	0.252688	hyper	sig	chr3_120450956
chr8	54457632	54457632	+	1.883E-11	1.6696E-10	0.201901	hyper	sig	chr8_54457632
chr7	2589574	2589574	+	1.883E-11	1.6697E-10	0.203338	hyper	sig	chr7_2589574
chr20	2799468	2799468	+	1.883E-11	1.6699E-10	0.235401	hyper	sig	chr20_2799468
chr19	48746727	48746727	+	1.883E-11	1.6699E-10	0.261711	hyper	sig	chr19_48746727
chr5	1.59E+08	159104511	+	1.883E-11	1.6699E-10	0.25618	hyper	sig	chr5_159104511
chr8	43246837	43246837	+	1.884E-11	1.6702E-10	0.26211	hyper	sig	chr8_43246837
chr6	50725019	50725019	+	1.884E-11	1.6705E-10	0.227667	hyper	sig	chr6_50725019
chr8	10335401	10335401	+	1.884E-11	1.6706E-10	0.271668	hyper	sig	chr8_10335401
chr11	64341361	64341361	+	1.886E-11	1.6719E-10	0.264352	hyper	sig	chr11_64341361
chr16	533676	533676	+	1.886E-11	1.6724E-10	-0.22115	hypo	sig	chr16_533676
chr17	77561192	77561192	+	1.887E-11	1.6734E-10	-0.21738	hypo	sig	chr17_77561192
chr10	1.09E+08	109456730	+	1.889E-11	1.6746E-10	0.239658	hyper	sig	chr10_109456730
chr16	90000346	90000346	+	1.889E-11	1.6746E-10	-0.23619	hypo	sig	chr16_90000346
chr4	1.66E+08	165874491	+	1.889E-11	1.6747E-10	0.214351	hyper	sig	chr4_165874491
chr19	2772198	2772198	+	1.891E-11	1.6761E-10	0.222474	hyper	sig	chr19_2772198
chr1	16532605	16532605	+	1.891E-11	1.6763E-10	0.233473	hyper	sig	chr1_16532605
chr1	15243656	15243656	+	1.891E-11	1.6767E-10	0.233541	hyper	sig	chr1_15243656
chr1	88466987	88466987	+	1.892E-11	1.6771E-10	-0.2588	hypo	sig	chr1_88466987
chr19	6670379	6670379	+	1.893E-11	1.6778E-10	-0.22721	hypo	sig	chr19_6670379
chr2	2.19E+08	218879912	+	1.893E-11	1.6779E-10	0.222749	hyper	sig	chr2_218879912
chr7	5303304	5303304	+	1.893E-11	1.6782E-10	-0.22966	hypo	sig	chr7_5303304
chr10	50674956	50674956	+	1.894E-11	1.6785E-10	-0.23536	hypo	sig	chr10_50674956
chr19	41838059	41838059	+	1.894E-11	1.6787E-10	-0.24701	hypo	sig	chr19_41838059
chr11	64555976	64555976	+	1.894E-11	1.6791E-10	-0.20811	hypo	sig	chr11_64555976
chr8	926155	926155	+	1.895E-11	1.6797E-10	-0.2126	hypo	sig	chr8_926155
chr4	7135543	7135543	+	1.896E-11	1.6802E-10	-0.23556	hypo	sig	chr4_7135543
chr4	1339114	1339114	+	1.896E-11	1.6808E-10	-0.25618	hypo	sig	chr4_1339114
chr7	1.06E+08	105582284	+	1.897E-11	1.6812E-10	-0.25509	hypo	sig	chr7_105582284
chr14	92937939	92937939	+	1.897E-11	1.6817E-10	-0.30795	hypo	sig	chr14_92937939
chr7	2993859	2993859	+	1.898E-11	1.6825E-10	-0.28413	hypo	sig	chr7_2993859
chr11	2184814	2184814	+	1.899E-11	1.6827E-10	-0.23104	hypo	sig	chr11_2184814
chr10	1.33E+08	133207313	+	1.902E-11	1.6858E-10	-0.21413	hypo	sig	chr10_133207313
chr3	1.95E+08	194572552	+	1.903E-11	1.6861E-10	-0.26193	hypo	sig	chr3_194572552
chr12	1.32E+08	132404151	+	1.903E-11	1.6864E-10	-0.22185	hypo	sig	chr12_132404151
chr5	1.41E+08	141394997	+	1.903E-11	1.6864E-10	0.258915	hyper	sig	chr5_141394997
chr2	1.28E+08	127664650	+	1.904E-11	1.6872E-10	0.218253	hyper	sig	chr2_127664650
chr1	1.94E+08	194431481	+	1.904E-11	1.6874E-10	-0.30013	hypo	sig	chr1_194431481
chr15	37096304	37096304	+	1.905E-11	1.6877E-10	0.256964	hyper	sig	chr15_37096304
chr19	57944092	57944092	+	1.906E-11	1.689E-10	-0.20062	hypo	sig	chr19_57944092
chr4	8971807	8971807	+	1.906E-11	1.689E-10	-0.22254	hypo	sig	chr4_8971807
chr5	55234657	55234657	+	1.906E-11	1.6891E-10	-0.21463	hypo	sig	chr5_55234657
chr17	48573818	48573818	+	1.907E-11	1.6901E-10	0.21008	hyper	sig	chr17_48573818
chr6	1.59E+08	158654818	+	1.907E-11	1.6902E-10	0.227759	hyper	sig	chr6_158654818
chr1	1.55E+08	154556366	+	1.909E-11	1.6912E-10	0.209395	hyper	sig	chr1_154556366

chr1	1.72E+08	171841078	+	1.909E-11	1.6913E-10	0.260103	hyper	sig	chr1_171841078
chr3	1.39E+08	138939766	+	1.911E-11	1.6936E-10	0.20639	hyper	sig	chr3_138939766
chr19	52536344	52536344	+	1.913E-11	1.6947E-10	0.296076	hyper	sig	chr19_52536344
chr13	19181945	19181945	+	1.913E-11	1.6952E-10	-0.21425	hypo	sig	chr13_19181945
chr1	1.52E+08	151839083	+	1.913E-11	1.6953E-10	0.265971	hyper	sig	chr1_151839083
chr5	1.41E+08	141216285	+	1.914E-11	1.6961E-10	0.256723	hyper	sig	chr5_141216285
chr19	49043735	49043735	+	1.915E-11	1.6965E-10	-0.22124	hypo	sig	chr19_49043735
chr17	82889844	82889844	+	1.915E-11	1.6969E-10	-0.20189	hypo	sig	chr17_82889844
chr14	1.05E+08	104907054	+	1.917E-11	1.6984E-10	-0.21361	hypo	sig	chr14_104907054
chr3	48594525	48594525	+	1.917E-11	1.6987E-10	0.246702	hyper	sig	chr3_48594525
chr6	27050262	27050262	+	1.918E-11	1.6994E-10	0.206678	hyper	sig	chr6_27050262
chr6	1.59E+08	158869209	+	1.92E-11	1.7008E-10	-0.24474	hypo	sig	chr6_158869209
chr5	1.41E+08	140802964	+	1.92E-11	1.7013E-10	0.267338	hyper	sig	chr5_140802964
chr1	47994141	47994141	+	1.921E-11	1.7013E-10	-0.21701	hypo	sig	chr1_47994141
chr12	1.24E+08	124426698	+	1.921E-11	1.7018E-10	0.211357	hyper	sig	chr12_124426698
chr5	1.59E+08	159105287	+	1.923E-11	1.7033E-10	0.207527	hyper	sig	chr5_159105287
chr16	88228006	88228006	+	1.923E-11	1.7035E-10	-0.3495	hypo	sig	chr16_88228006
chr2	11466838	11466838	+	1.924E-11	1.704E-10	-0.30646	hypo	sig	chr2_11466838
chr10	70699888	70699888	+	1.925E-11	1.7049E-10	-0.2284	hypo	sig	chr10_70699888
chr3	50499944	50499944	+	1.925E-11	1.7051E-10	-0.20752	hypo	sig	chr3_50499944
chr19	31354051	31354051	+	1.925E-11	1.7055E-10	-0.20343	hypo	sig	chr19_31354051
chr8	6806043	6806043	+	1.926E-11	1.706E-10	-0.31318	hypo	sig	chr8_6806043
chr19	23204266	23204266	+	1.928E-11	1.7075E-10	0.211316	hyper	sig	chr19_23204266
chr7	1567815	1567815	+	1.93E-11	1.7097E-10	-0.20119	hypo	sig	chr7_1567815
chr17	81528698	81528698	+	1.931E-11	1.7098E-10	-0.21901	hypo	sig	chr17_81528698
chr1	1.57E+08	156910664	+	1.931E-11	1.71E-10	-0.24548	hypo	sig	chr1_156910664
chr2	1.29E+08	128901444	+	1.931E-11	1.7103E-10	-0.3145	hypo	sig	chr2_128901444
chr3	1.47E+08	147378377	+	1.931E-11	1.7105E-10	0.20551	hyper	sig	chr3_147378377
chr18	79529450	79529450	+	1.933E-11	1.7116E-10	0.231774	hyper	sig	chr18_79529450
chr7	1.58E+08	157795760	+	1.935E-11	1.7134E-10	-0.30677	hypo	sig	chr7_157795760
chr11	2903858	2903858	+	1.936E-11	1.7142E-10	-0.24183	hypo	sig	chr11_2903858
chr10	1.01E+08	101140438	+	1.936E-11	1.7143E-10	0.248365	hyper	sig	chr10_101140438
chr11	66049013	66049013	+	1.936E-11	1.7143E-10	0.2551	hyper	sig	chr11_66049013
chr2	11481417	11481417	+	1.937E-11	1.7148E-10	-0.23468	hypo	sig	chr2_11481417
chr1	1.5E+08	149900172	+	1.938E-11	1.7158E-10	0.240971	hyper	sig	chr1_149900172
chr14	61562016	61562016	+	1.939E-11	1.7172E-10	-0.20208	hypo	sig	chr14_61562016
chr3	45026352	45026352	+	1.94E-11	1.7175E-10	0.238067	hyper	sig	chr3_45026352
chr7	1.56E+08	155795775	+	1.941E-11	1.7183E-10	-0.20723	hypo	sig	chr7_155795775
chr19	51125948	51125948	+	1.941E-11	1.7183E-10	-0.22685	hypo	sig	chr19_51125948
chr7	97024534	97024534	+	1.942E-11	1.7192E-10	0.24609	hyper	sig	chr7_97024534
chr9	1.28E+08	127536111	+	1.944E-11	1.7215E-10	0.305914	hyper	sig	chr9_127536111
chr2	1.76E+08	176083297	+	1.946E-11	1.7224E-10	0.287796	hyper	sig	chr2_176083297
chr6	1.13E+08	113222164	+	1.947E-11	1.7236E-10	-0.25583	hypo	sig	chr6_113222164
chr12	53973224	53973224	+	1.948E-11	1.7241E-10	0.22414	hyper	sig	chr12_53973224
chr19	23204195	23204195	+	1.949E-11	1.7256E-10	0.235661	hyper	sig	chr19_23204195
chr3	11136604	11136604	+	1.95E-11	1.7265E-10	-0.22417	hypo	sig	chr3_11136604
chr7	57652922	57652922	+	1.951E-11	1.7269E-10	-0.23981	hypo	sig	chr7_57652922
chr9	1.24E+08	124010335	+	1.951E-11	1.7271E-10	0.256624	hyper	sig	chr9_124010335
chr6	27864046	27864046	+	1.951E-11	1.7271E-10	0.261523	hyper	sig	chr6_27864046
chr4	1058788	1058788	+	1.952E-11	1.7279E-10	-0.26068	hypo	sig	chr4_1058788
chr17	75320640	75320640	+	1.952E-11	1.728E-10	0.232076	hyper	sig	chr17_75320640
chr5	1.79E+08	178523687	+	1.953E-11	1.7285E-10	-0.22275	hypo	sig	chr5_178523687
chr5	1.56E+08	155729317	+	1.953E-11	1.7287E-10	0.241262	hyper	sig	chr5_155729317
chr2	868252	868252	+	1.954E-11	1.7292E-10	0.238195	hyper	sig	chr2_868252
chr5	2132274	2132274	+	1.955E-11	1.7303E-10	-0.32392	hypo	sig	chr5_2132274
chr6	32083123	32083123	+	1.955E-11	1.7306E-10	-0.22744	hypo	sig	chr6_32083123

chr3	1.26E+08	126156709	+	1.956E-11	1.731E-10	-0.26179	hypo	sig	chr3_126156709
chr10	1.33E+08	133095096	+	1.956E-11	1.7314E-10	-0.22686	hypo	sig	chr10_133095096
chr5	67166142	67166142	+	1.958E-11	1.7329E-10	-0.24043	hypo	sig	chr5_67166142
chr19	2428391	2428391	+	1.959E-11	1.7335E-10	0.207934	hyper	sig	chr19_2428391
chr5	1.41E+08	140850601	+	1.959E-11	1.7336E-10	0.235431	hyper	sig	chr5_140850601
chr19	5838724	5838724	+	1.96E-11	1.7346E-10	-0.22732	hypo	sig	chr19_5838724
chr7	15687210	15687210	+	1.96E-11	1.7349E-10	0.217528	hyper	sig	chr7_15687210
chr11	1.19E+08	119376338	+	1.96E-11	1.735E-10	0.201184	hyper	sig	chr11_119376338
chr4	93834648	93834648	+	1.962E-11	1.7359E-10	0.264018	hyper	sig	chr4_93834648
chr21	36981075	36981075	+	1.963E-11	1.7371E-10	-0.28371	hypo	sig	chr21_36981075
chr16	51113884	51113884	+	1.963E-11	1.7372E-10	0.272543	hyper	sig	chr16_51113884
chr19	51327147	51327147	+	1.964E-11	1.7381E-10	0.319868	hyper	sig	chr19_51327147
chr22	36296963	36296963	+	1.965E-11	1.7385E-10	0.200314	hyper	sig	chr22_36296963
chr11	94401863	94401863	+	1.967E-11	1.7401E-10	0.239284	hyper	sig	chr11_94401863
chr8	1.04E+08	104367498	+	1.968E-11	1.741E-10	0.24125	hyper	sig	chr8_104367498
chr13	1.13E+08	113406066	+	1.968E-11	1.741E-10	-0.26138	hypo	sig	chr13_113406066
chr2	2.33E+08	232901393	+	1.969E-11	1.7424E-10	0.201835	hyper	sig	chr2_232901393
chr17	81255636	81255636	+	1.97E-11	1.7429E-10	0.251707	hyper	sig	chr17_81255636
chr16	88118633	88118633	+	1.97E-11	1.743E-10	-0.28402	hypo	sig	chr16_88118633
chr10	1410755	1410755	+	1.971E-11	1.7437E-10	-0.20468	hypo	sig	chr10_1410755
chr9	1.37E+08	137278882	+	1.972E-11	1.7446E-10	0.247631	hyper	sig	chr9_137278882
chr10	42836881	42836881	+	1.973E-11	1.7452E-10	0.235515	hyper	sig	chr10_42836881
chr20	45702001	45702001	+	1.975E-11	1.7469E-10	-0.21451	hypo	sig	chr20_45702001
chr11	1.21E+08	120512940	+	1.975E-11	1.7469E-10	-0.25335	hypo	sig	chr11_120512940
chr5	77638932	77638932	+	1.975E-11	1.747E-10	0.207021	hyper	sig	chr5_77638932
chr1	1.52E+08	152108895	+	1.975E-11	1.7471E-10	0.228397	hyper	sig	chr1_152108895
chr16	55506314	55506314	+	1.976E-11	1.7483E-10	-0.22127	hypo	sig	chr16_55506314
chr1	25550183	25550183	+	1.977E-11	1.7487E-10	-0.2412	hypo	sig	chr1_25550183
chr5	1549341	1549341	+	1.978E-11	1.7498E-10	-0.24081	hypo	sig	chr5_1549341
chr12	1.2E+08	119594415	+	1.978E-11	1.7499E-10	0.281121	hyper	sig	chr12_119594415
chr16	84313369	84313369	+	1.98E-11	1.7511E-10	-0.24308	hypo	sig	chr16_84313369
chr14	57866376	57866376	+	1.98E-11	1.7513E-10	0.346639	hyper	sig	chr14_57866376
chr16	29142192	29142192	+	1.981E-11	1.7518E-10	-0.22259	hypo	sig	chr16_29142192
chr6	27260602	27260602	+	1.982E-11	1.7526E-10	0.217812	hyper	sig	chr6_27260602
chr2	1.82E+08	181681777	+	1.982E-11	1.753E-10	0.241511	hyper	sig	chr2_181681777
chr10	43105205	43105205	+	1.984E-11	1.7543E-10	0.202923	hyper	sig	chr10_43105205
chr17	57874702	57874702	+	1.984E-11	1.7544E-10	0.232636	hyper	sig	chr17_57874702
chr3	9509024	9509024	+	1.986E-11	1.7564E-10	0.228784	hyper	sig	chr3_9509024
chr8	11799233	11799233	+	1.987E-11	1.7568E-10	-0.28074	hypo	sig	chr8_11799233
chr8	1.16E+08	115648318	+	1.987E-11	1.7574E-10	0.306662	hyper	sig	chr8_115648318
chr19	2389984	2389984	+	1.989E-11	1.7585E-10	-0.30205	hypo	sig	chr19_2389984
chr7	4971825	4971825	+	1.989E-11	1.7589E-10	-0.30992	hypo	sig	chr7_4971825
chr10	22477259	22477259	+	1.991E-11	1.7603E-10	0.263622	hyper	sig	chr10_22477259
chr2	2.42E+08	241988152	+	1.991E-11	1.7603E-10	-0.2047	hypo	sig	chr2_241988152
chr1	16141813	16141813	+	1.991E-11	1.7606E-10	0.23573	hyper	sig	chr1_16141813
chr13	1.14E+08	114090166	+	1.992E-11	1.7614E-10	-0.23717	hypo	sig	chr13_114090166
chr16	701603	701603	+	1.993E-11	1.7622E-10	-0.25075	hypo	sig	chr16_701603
chr22	37024271	37024271	+	1.994E-11	1.7629E-10	-0.31186	hypo	sig	chr22_37024271
chr5	1.36E+08	135930216	+	1.995E-11	1.7641E-10	0.221102	hyper	sig	chr5_135930216
chr17	62680677	62680677	+	1.996E-11	1.7646E-10	-0.26041	hypo	sig	chr17_62680677
chr16	85005046	85005046	+	1.996E-11	1.765E-10	0.23549	hyper	sig	chr16_85005046
chr12	10030668	10030668	+	1.998E-11	1.7665E-10	-0.21196	hypo	sig	chr12_10030668
chr4	2271265	2271265	+	1.998E-11	1.7667E-10	-0.30255	hypo	sig	chr4_2271265
chr1	17617955	17617955	+	1.998E-11	1.7668E-10	0.201786	hyper	sig	chr1_17617955
chr2	1.6E+08	160257345	+	1.998E-11	1.7668E-10	-0.204	hypo	sig	chr2_160257345
chr7	75966747	75966747	+	2E-11	1.7679E-10	0.205622	hyper	sig	chr7_75966747

chr7	37492734	37492734	+	2.001E-11	1.7692E-10	-0.22701	hypo	sig	chr7_37492734
chr18	37567569	37567569	+	2.004E-11	1.7718E-10	0.24453	hyper	sig	chr18_37567569
chr2	1.71E+08	170717290	+	2.005E-11	1.7725E-10	0.262683	hyper	sig	chr2_170717290
chr2	2.22E+08	222425691	+	2.007E-11	1.7743E-10	-0.24719	hypo	sig	chr2_222425691
chr13	98172101	98172101	+	2.008E-11	1.7753E-10	0.302374	hyper	sig	chr13_98172101
chr14	1.06E+08	105731666	+	2.009E-11	1.776E-10	-0.23363	hypo	sig	chr14_105731666
chr7	1.28E+08	128171662	+	2.01E-11	1.7764E-10	-0.26991	hypo	sig	chr7_128171662
chr1	2.07E+08	207053754	+	2.01E-11	1.7768E-10	-0.27317	hypo	sig	chr1_207053754
chr13	1.12E+08	111622518	+	2.012E-11	1.7779E-10	-0.20526	hypo	sig	chr13_111622518
chr4	1.47E+08	146637091	+	2.012E-11	1.7784E-10	0.212828	hyper	sig	chr4_146637091
chr12	46831247	46831247	+	2.013E-11	1.779E-10	0.271676	hyper	sig	chr12_46831247
chr7	1.55E+08	154875945	+	2.016E-11	1.7816E-10	-0.22426	hypo	sig	chr7_154875945
chr20	63414924	63414924	+	2.016E-11	1.7817E-10	-0.22415	hypo	sig	chr20_63414924
chr14	1.04E+08	104181970	+	2.017E-11	1.7822E-10	-0.27796	hypo	sig	chr14_104181970
chr11	1871045	1871045	+	2.018E-11	1.7839E-10	0.228448	hyper	sig	chr11_1871045
chr1	53276731	53276731	+	2.019E-11	1.7841E-10	0.201876	hyper	sig	chr1_53276731
chr20	64106261	64106261	+	2.019E-11	1.7846E-10	-0.26237	hypo	sig	chr20_64106261
chr12	1.32E+08	132444385	+	2.02E-11	1.7849E-10	0.265566	hyper	sig	chr12_132444385
chr5	51399854	51399854	+	2.021E-11	1.7861E-10	0.215951	hyper	sig	chr5_51399854
chr10	1.24E+08	124058408	+	2.021E-11	1.7863E-10	-0.33209	hypo	sig	chr10_124058408
chr15	29113917	29113917	+	2.022E-11	1.7865E-10	-0.20533	hypo	sig	chr15_29113917
chr2	2.01E+08	200865871	+	2.022E-11	1.787E-10	-0.21611	hypo	sig	chr2_200865871
chr2	31580150	31580150	+	2.022E-11	1.7871E-10	0.271144	hyper	sig	chr2_31580150
chr13	40922656	40922656	+	2.023E-11	1.7874E-10	-0.23759	hypo	sig	chr13_40922656
chr19	1177519	1177519	+	2.023E-11	1.7876E-10	-0.26277	hypo	sig	chr19_1177519
chr10	1.33E+08	132811216	+	2.026E-11	1.7897E-10	-0.24187	hypo	sig	chr10_132811216
chr11	278403	278403	+	2.026E-11	1.7897E-10	-0.20159	hypo	sig	chr11_278403
chr7	97003748	97003748	+	2.025E-11	1.7897E-10	0.231721	hyper	sig	chr7_97003748
chr3	1.23E+08	122926542	+	2.026E-11	1.7899E-10	-0.22189	hypo	sig	chr3_122926542
chr10	73656110	73656110	+	2.027E-11	1.7906E-10	0.244031	hyper	sig	chr10_73656110
chr20	63177398	63177398	+	2.027E-11	1.7909E-10	0.292376	hyper	sig	chr20_63177398
chr1	1.8E+08	179812645	+	2.03E-11	1.7931E-10	-0.26268	hypo	sig	chr1_179812645
chr5	2129118	2129118	+	2.03E-11	1.7939E-10	0.228319	hyper	sig	chr5_2129118
chr5	1.41E+08	141174245	+	2.031E-11	1.794E-10	0.23721	hyper	sig	chr5_141174245
chr9	1.37E+08	137294054	+	2.031E-11	1.7945E-10	-0.23298	hypo	sig	chr9_137294054
chr12	1.33E+08	132888427	+	2.034E-11	1.797E-10	0.272824	hyper	sig	chr12_132888427
chr9	1.24E+08	124343503	+	2.034E-11	1.797E-10	0.257857	hyper	sig	chr9_124343503
chr21	45286929	45286929	+	2.034E-11	1.7971E-10	0.223846	hyper	sig	chr21_45286929
chr9	98709582	98709582	+	2.04E-11	1.8024E-10	0.251182	hyper	sig	chr9_98709582
chr6	99603146	99603146	+	2.041E-11	1.8033E-10	0.217006	hyper	sig	chr6_99603146
chr3	1.2E+08	120285434	+	2.042E-11	1.8037E-10	0.277913	hyper	sig	chr3_120285434
chr12	51029465	51029465	+	2.044E-11	1.8056E-10	-0.20537	hypo	sig	chr12_51029465
chr2	25916812	25916812	+	2.044E-11	1.8058E-10	-0.26411	hypo	sig	chr2_25916812
chr12	1864975	1864975	+	2.046E-11	1.8067E-10	0.223123	hyper	sig	chr12_1864975
chr14	1.01E+08	100547703	+	2.047E-11	1.8082E-10	-0.33131	hypo	sig	chr14_100547703
chr5	1225653	1225653	+	2.048E-11	1.8087E-10	-0.27219	hypo	sig	chr5_1225653
chr22	46375155	46375155	+	2.048E-11	1.8091E-10	-0.27213	hypo	sig	chr22_46375155
chr12	1.33E+08	132766852	+	2.049E-11	1.8098E-10	-0.22645	hypo	sig	chr12_132766852
chr19	1465557	1465557	+	2.05E-11	1.8109E-10	0.268516	hyper	sig	chr19_1465557
chr19	36666389	36666389	+	2.053E-11	1.8128E-10	0.261044	hyper	sig	chr19_36666389
chr20	34559933	34559933	+	2.054E-11	1.8135E-10	-0.28038	hypo	sig	chr20_34559933
chr2	25342926	25342926	+	2.057E-11	1.8163E-10	-0.26663	hypo	sig	chr2_25342926
chr6	28988709	28988709	+	2.059E-11	1.8178E-10	0.207262	hyper	sig	chr6_28988709
chr19	3365081	3365081	+	2.059E-11	1.8182E-10	0.235396	hyper	sig	chr19_3365081
chr11	66720476	66720476	+	2.059E-11	1.8183E-10	-0.25077	hypo	sig	chr11_66720476
chr14	44912006	44912006	+	2.06E-11	1.819E-10	0.253029	hyper	sig	chr14_44912006

chr22	37983565	37983565	+	2.06E-11	1.8192E-10	0.307158	hyper	sig	chr22_37983565
chr10	1670719	1670719	+	2.061E-11	1.8199E-10	-0.20446	hypo	sig	chr10_1670719
chr2	1.09E+08	109437601	+	2.062E-11	1.8202E-10	-0.24826	hypo	sig	chr2_109437601
chr1	17606128	17606128	+	2.062E-11	1.8206E-10	0.200546	hyper	sig	chr1_17606128
chr1	1.8E+08	179812641	+	2.062E-11	1.8207E-10	-0.28163	hypo	sig	chr1_179812641
chr3	51955748	51955748	+	2.064E-11	1.822E-10	0.20881	hyper	sig	chr3_51955748
chr5	1.41E+08	141245821	+	2.064E-11	1.8221E-10	0.208915	hyper	sig	chr5_141245821
chr4	1.39E+08	139279605	+	2.066E-11	1.8238E-10	0.201808	hyper	sig	chr4_139279605
chr2	2.13E+08	212536574	+	2.068E-11	1.8253E-10	0.223635	hyper	sig	chr2_212536574
chr7	65731922	65731922	+	2.069E-11	1.8267E-10	0.260119	hyper	sig	chr7_65731922
chr1	2.03E+08	202600440	+	2.069E-11	1.8267E-10	-0.24677	hypo	sig	chr1_202600440
chr1	3593997	3593997	+	2.07E-11	1.8273E-10	-0.24403	hypo	sig	chr1_3593997
chr4	54103879	54103879	+	2.071E-11	1.8285E-10	0.28466	hyper	sig	chr4_54103879
chr12	1.23E+08	123110650	+	2.072E-11	1.8287E-10	-0.21209	hypo	sig	chr12_123110650
chr2	96500685	96500685	+	2.072E-11	1.8288E-10	0.254216	hyper	sig	chr2_96500685
chr19	54008476	54008476	+	2.072E-11	1.8288E-10	-0.27255	hypo	sig	chr19_54008476
chr2	2.33E+08	232637015	+	2.073E-11	1.8295E-10	-0.20755	hypo	sig	chr2_232637015
chr1	1.57E+08	156647066	+	2.074E-11	1.8303E-10	0.203394	hyper	sig	chr1_156647066
chr18	908504	908504	+	2.074E-11	1.8305E-10	0.267457	hyper	sig	chr18_908504
chr8	96157481	96157481	+	2.075E-11	1.8317E-10	0.224366	hyper	sig	chr8_96157481
chr12	29783083	29783083	+	2.077E-11	1.8333E-10	0.316906	hyper	sig	chr12_29783083
chr13	1.13E+08	113401964	+	2.079E-11	1.8346E-10	-0.26382	hypo	sig	chr13_113401964
chr17	78121579	78121579	+	2.079E-11	1.8351E-10	-0.26466	hypo	sig	chr17_78121579
chr2	2.42E+08	241872404	+	2.08E-11	1.8357E-10	-0.35068	hypo	sig	chr2_241872404
chr19	53255235	53255235	+	2.083E-11	1.8382E-10	0.26454	hyper	sig	chr19_53255235
chr7	94664894	94664894	+	2.083E-11	1.8383E-10	-0.2364	hypo	sig	chr7_94664894
chr17	82838864	82838864	+	2.083E-11	1.8383E-10	-0.2036	hypo	sig	chr17_82838864
chr6	30881018	30881018	+	2.084E-11	1.8391E-10	0.207107	hyper	sig	chr6_30881018
chr2	1.3E+08	130373279	+	2.085E-11	1.8397E-10	-0.26324	hypo	sig	chr2_130373279
chr17	35488371	35488371	+	2.086E-11	1.8411E-10	0.262628	hyper	sig	chr17_35488371
chr10	1.01E+08	101140445	+	2.086E-11	1.8411E-10	0.268397	hyper	sig	chr10_101140445
chr2	1.27E+08	127024926	+	2.09E-11	1.844E-10	0.205974	hyper	sig	chr2_127024926
chr20	40683523	40683523	+	2.091E-11	1.8453E-10	0.240403	hyper	sig	chr20_40683523
chr8	1.43E+08	142798695	+	2.092E-11	1.8456E-10	-0.24326	hypo	sig	chr8_142798695
chr3	1.2E+08	119703429	+	2.093E-11	1.8463E-10	0.24284	hyper	sig	chr3_119703429
chr12	1.19E+08	119153942	+	2.093E-11	1.8464E-10	0.275668	hyper	sig	chr12_119153942
chr19	932752	932752	+	2.093E-11	1.8465E-10	-0.20752	hypo	sig	chr19_932752
chr16	86573317	86573317	+	2.093E-11	1.8466E-10	0.236126	hyper	sig	chr16_86573317
chr17	43643579	43643579	+	2.094E-11	1.8474E-10	-0.23663	hypo	sig	chr17_43643579
chr9	1.37E+08	137048749	+	2.094E-11	1.8479E-10	0.245585	hyper	sig	chr9_137048749
chr11	85934714	85934714	+	2.095E-11	1.8481E-10	0.263812	hyper	sig	chr11_85934714
chr8	1.43E+08	143378724	+	2.095E-11	1.8484E-10	0.231498	hyper	sig	chr8_143378724
chr12	4562529	4562529	+	2.096E-11	1.8493E-10	0.214739	hyper	sig	chr12_4562529
chr20	62836291	62836291	+	2.097E-11	1.8496E-10	-0.25487	hypo	sig	chr20_62836291
chr9	19788373	19788373	+	2.098E-11	1.8504E-10	0.247884	hyper	sig	chr9_19788373
chr3	50193604	50193604	+	2.099E-11	1.8521E-10	0.261398	hyper	sig	chr3_50193604
chr22	26610587	26610587	+	2.1E-11	1.8522E-10	-0.25302	hypo	sig	chr22_26610587
chr16	46731462	46731462	+	2.1E-11	1.8525E-10	-0.26101	hypo	sig	chr16_46731462
chr3	1.94E+08	194488214	+	2.101E-11	1.853E-10	-0.27394	hypo	sig	chr3_194488214
chr14	36659494	36659494	+	2.102E-11	1.8542E-10	0.258879	hyper	sig	chr14_36659494
chr12	1.14E+08	114414108	+	2.102E-11	1.8544E-10	0.255857	hyper	sig	chr12_114414108
chr16	1133656	1133656	+	2.103E-11	1.8553E-10	-0.22112	hypo	sig	chr16_1133656
chr6	684090	684090	+	2.105E-11	1.8564E-10	0.282067	hyper	sig	chr6_684090
chr17	44657198	44657198	+	2.107E-11	1.858E-10	0.253814	hyper	sig	chr17_44657198
chr17	36940658	36940658	+	2.107E-11	1.8583E-10	0.267966	hyper	sig	chr17_36940658
chr2	2.08E+08	207771240	+	2.11E-11	1.8612E-10	-0.21121	hypo	sig	chr2_207771240

chr7	73607014	73607014	+	2.111E-11	1.8614E-10	0.204453	hyper	sig	chr7_73607014
chr5	1.41E+08	141423071	+	2.113E-11	1.863E-10	0.236167	hyper	sig	chr5_141423071
chr14	1.05E+08	105305542	+	2.113E-11	1.8631E-10	-0.20914	hypo	sig	chr14_105305542
chr1	50416349	50416349	+	2.113E-11	1.8632E-10	0.281695	hyper	sig	chr1_50416349
chr11	1.34E+08	133935127	+	2.114E-11	1.8637E-10	-0.20818	hypo	sig	chr11_133935127
chr9	1.37E+08	137279076	+	2.115E-11	1.8648E-10	0.244272	hyper	sig	chr9_137279076
chr11	6003524	6003524	+	2.115E-11	1.8649E-10	-0.23283	hypo	sig	chr11_6003524
chr19	17821291	17821291	+	2.121E-11	1.8697E-10	0.31888	hyper	sig	chr19_17821291
chr6	30942538	30942538	+	2.121E-11	1.87E-10	-0.25851	hypo	sig	chr6_30942538
chr3	42686287	42686287	+	2.121E-11	1.8701E-10	0.323123	hyper	sig	chr3_42686287
chr16	29664566	29664566	+	2.125E-11	1.8733E-10	-0.27783	hypo	sig	chr16_29664566
chr20	9507029	9507029	+	2.127E-11	1.8752E-10	0.214747	hyper	sig	chr20_9507029
chr10	1.29E+08	129034129	+	2.128E-11	1.8765E-10	-0.20706	hypo	sig	chr10_129034129
chr2	1.28E+08	127700982	+	2.129E-11	1.877E-10	-0.25452	hypo	sig	chr2_127700982
chr11	67978883	67978883	+	2.129E-11	1.8772E-10	-0.20679	hypo	sig	chr11_67978883
chr12	6556134	6556134	+	2.13E-11	1.878E-10	0.260568	hyper	sig	chr12_6556134
chr8	11709383	11709383	+	2.131E-11	1.8785E-10	0.307232	hyper	sig	chr8_11709383
chr11	2267905	2267905	+	2.131E-11	1.8786E-10	-0.25806	hypo	sig	chr11_2267905
chr22	45890082	45890082	+	2.131E-11	1.8788E-10	0.269631	hyper	sig	chr22_45890082
chr16	88316104	88316104	+	2.132E-11	1.879E-10	-0.22635	hypo	sig	chr16_88316104
chr6	98825926	98825926	+	2.134E-11	1.8815E-10	0.201183	hyper	sig	chr6_98825926
chr7	45564685	45564685	+	2.136E-11	1.8831E-10	0.252486	hyper	sig	chr7_45564685
chr1	11949267	11949267	+	2.136E-11	1.8831E-10	-0.304	hypo	sig	chr1_11949267
chr10	86260832	86260832	+	2.138E-11	1.8844E-10	-0.20981	hypo	sig	chr10_86260832
chr22	46362373	46362373	+	2.139E-11	1.8849E-10	-0.20367	hypo	sig	chr22_46362373
chr5	1.79E+08	179260735	+	2.139E-11	1.8854E-10	-0.24471	hypo	sig	chr5_179260735
chr1	26410866	26410866	+	2.14E-11	1.8857E-10	0.22094	hyper	sig	chr1_26410866
chr13	1.14E+08	114124454	+	2.14E-11	1.8859E-10	-0.22109	hypo	sig	chr13_114124454
chr1	20548602	20548602	+	2.14E-11	1.8862E-10	-0.21722	hypo	sig	chr1_20548602
chr17	82372560	82372560	+	2.143E-11	1.8886E-10	0.210507	hyper	sig	chr17_82372560
chr12	1.07E+08	106585537	+	2.143E-11	1.8887E-10	0.245179	hyper	sig	chr12_106585537
chr17	3924974	3924974	+	2.145E-11	1.8905E-10	0.259545	hyper	sig	chr17_3924974
chr17	6996644	6996644	+	2.146E-11	1.8913E-10	0.313722	hyper	sig	chr17_6996644
chr14	1.05E+08	104608995	+	2.147E-11	1.8917E-10	-0.23059	hypo	sig	chr14_104608995
chr19	629845	629845	+	2.147E-11	1.8923E-10	0.237221	hyper	sig	chr19_629845
chr9	1.38E+08	137788760	+	2.148E-11	1.8933E-10	-0.27682	hypo	sig	chr9_137788760
chr1	1.82E+08	182056883	+	2.149E-11	1.8937E-10	0.232317	hyper	sig	chr1_182056883
chr2	63057662	63057662	+	2.15E-11	1.8942E-10	0.254668	hyper	sig	chr2_63057662
chr1	11858897	11858897	+	2.152E-11	1.8963E-10	0.229818	hyper	sig	chr1_11858897
chr1	10650103	10650103	+	2.154E-11	1.8976E-10	0.225465	hyper	sig	chr1_10650103
chr9	1.33E+08	133209490	+	2.154E-11	1.8983E-10	-0.32419	hypo	sig	chr9_133209490
chr19	50717214	50717214	+	2.155E-11	1.8984E-10	-0.31016	hypo	sig	chr19_50717214
chr1	1.52E+08	151839046	+	2.158E-11	1.9016E-10	0.322505	hyper	sig	chr1_151839046
chr19	1005651	1005651	+	2.159E-11	1.9018E-10	-0.21084	hypo	sig	chr19_1005651
chr9	97857713	97857713	+	2.16E-11	1.9028E-10	0.217724	hyper	sig	chr9_97857713
chr12	1.15E+08	114687819	+	2.161E-11	1.9035E-10	0.203093	hyper	sig	chr12_114687819
chr16	4006878	4006878	+	2.161E-11	1.9037E-10	0.209573	hyper	sig	chr16_4006878
chr14	93713562	93713562	+	2.161E-11	1.904E-10	-0.22743	hypo	sig	chr14_93713562
chr5	1.23E+08	123085856	+	2.162E-11	1.9044E-10	-0.22623	hypo	sig	chr5_123085856
chr12	96489958	96489958	+	2.162E-11	1.9044E-10	0.292913	hyper	sig	chr12_96489958
chr9	1.37E+08	137031275	+	2.163E-11	1.9055E-10	-0.22402	hypo	sig	chr9_137031275
chr2	47509584	47509584	+	2.163E-11	1.9055E-10	-0.20947	hypo	sig	chr2_47509584
chr20	29431011	29431011	+	2.164E-11	1.9059E-10	0.241293	hyper	sig	chr20_29431011
chr17	52159907	52159907	+	2.167E-11	1.9083E-10	0.212401	hyper	sig	chr17_52159907
chr17	74114233	74114233	+	2.168E-11	1.9097E-10	0.28293	hyper	sig	chr17_74114233
chr17	83073373	83073373	+	2.168E-11	1.9097E-10	-0.24127	hypo	sig	chr17_83073373

chr2	2.42E+08	241804225	+	2.169E-11	1.9107E-10	0.252879	hyper	sig	chr2_241804225
chr7	1.43E+08	142796620	+	2.17E-11	1.9111E-10	0.314004	hyper	sig	chr7_142796620
chr6	1.08E+08	108158104	+	2.171E-11	1.9125E-10	0.214659	hyper	sig	chr6_108158104
chr10	1.01E+08	101216945	+	2.172E-11	1.9134E-10	0.278624	hyper	sig	chr10_101216945
chr9	1.33E+08	133497320	+	2.173E-11	1.9136E-10	0.226625	hyper	sig	chr9_133497320
chr6	1.05E+08	104941645	+	2.176E-11	1.9166E-10	0.210967	hyper	sig	chr6_104941645
chr16	67649062	67649062	+	2.177E-11	1.9174E-10	0.240289	hyper	sig	chr16_67649062
chr13	1.13E+08	113322073	+	2.178E-11	1.9181E-10	0.236197	hyper	sig	chr13_113322073
chr20	46214417	46214417	+	2.178E-11	1.9185E-10	-0.27153	hypo	sig	chr20_46214417
chr14	24132619	24132619	+	2.179E-11	1.9188E-10	-0.20488	hypo	sig	chr14_24132619
chr4	7735026	7735026	+	2.179E-11	1.9188E-10	-0.23233	hypo	sig	chr4_7735026
chr12	1.32E+08	132248247	+	2.179E-11	1.9194E-10	-0.2462	hypo	sig	chr12_132248247
chr3	36764688	36764688	+	2.18E-11	1.92E-10	0.344614	hyper	sig	chr3_36764688
chr3	1.7E+08	169666687	+	2.182E-11	1.9217E-10	0.211386	hyper	sig	chr3_169666687
chr2	1.05E+08	104868365	+	2.183E-11	1.9221E-10	0.252202	hyper	sig	chr2_104868365
chr7	1769665	1769665	+	2.183E-11	1.9228E-10	-0.2436	hypo	sig	chr7_1769665
chr1	92481344	92481344	+	2.185E-11	1.9241E-10	0.271253	hyper	sig	chr1_92481344
chr2	88451836	88451836	+	2.187E-11	1.9259E-10	0.27202	hyper	sig	chr2_88451836
chr4	2339643	2339643	+	2.187E-11	1.9261E-10	0.248016	hyper	sig	chr4_2339643
chr10	8043406	8043406	+	2.188E-11	1.9261E-10	0.293704	hyper	sig	chr10_8043406
chr16	67156043	67156043	+	2.188E-11	1.9265E-10	0.255561	hyper	sig	chr16_67156043
chr10	777238	777238	+	2.189E-11	1.9269E-10	-0.27803	hypo	sig	chr10_777238
chr10	1206178	1206178	+	2.189E-11	1.9271E-10	-0.22542	hypo	sig	chr10_1206178
chr5	1865451	1865451	+	2.189E-11	1.9275E-10	-0.26259	hypo	sig	chr5_1865451
chr13	1.13E+08	112985491	+	2.19E-11	1.9278E-10	-0.24167	hypo	sig	chr13_112985491
chr14	76888464	76888464	+	2.194E-11	1.9318E-10	-0.22389	hypo	sig	chr14_76888464
chr13	26742962	26742962	+	2.194E-11	1.9318E-10	0.255419	hyper	sig	chr13_26742962
chr20	57089610	57089610	+	2.195E-11	1.9321E-10	-0.21147	hypo	sig	chr20_57089610
chr6	1.69E+08	169171305	+	2.196E-11	1.9335E-10	-0.23242	hypo	sig	chr6_169171305
chr12	1.27E+08	126727953	+	2.198E-11	1.9345E-10	0.211558	hyper	sig	chr12_126727953
chr15	72198196	72198196	+	2.202E-11	1.9379E-10	-0.20029	hypo	sig	chr15_72198196
chr7	1.55E+08	155070980	+	2.202E-11	1.9379E-10	0.38668	hyper	sig	chr7_155070980
chr3	13929755	13929755	+	2.203E-11	1.939E-10	-0.25437	hypo	sig	chr3_13929755
chr4	1.74E+08	173524147	+	2.204E-11	1.94E-10	0.266166	hyper	sig	chr4_173524147
chr15	95327221	95327221	+	2.205E-11	1.9404E-10	0.233896	hyper	sig	chr15_95327221
chr10	36818102	36818102	+	2.208E-11	1.9432E-10	-0.22629	hypo	sig	chr10_36818102
chr1	2.08E+08	207645226	+	2.208E-11	1.9437E-10	0.240524	hyper	sig	chr1_207645226
chr13	20946255	20946255	+	2.209E-11	1.9441E-10	0.246965	hyper	sig	chr13_20946255
chr3	1.72E+08	172448024	+	2.213E-11	1.9473E-10	0.295276	hyper	sig	chr3_172448024
chr5	1.41E+08	140788035	+	2.214E-11	1.948E-10	0.231308	hyper	sig	chr5_140788035
chr22	49632477	49632477	+	2.215E-11	1.9493E-10	0.242029	hyper	sig	chr22_49632477
chr5	1852725	1852725	+	2.216E-11	1.95E-10	-0.21389	hypo	sig	chr5_1852725
chr11	65590557	65590557	+	2.216E-11	1.9501E-10	0.243311	hyper	sig	chr11_65590557
chr2	1.06E+08	106342862	+	2.217E-11	1.9506E-10	-0.21998	hypo	sig	chr2_106342862
chr6	30199288	30199288	+	2.217E-11	1.9507E-10	-0.23318	hypo	sig	chr6_30199288
chr15	84080692	84080692	+	2.221E-11	1.9541E-10	0.214941	hyper	sig	chr15_84080692
chr13	27973451	27973451	+	2.222E-11	1.9547E-10	0.213294	hyper	sig	chr13_27973451
chr5	1.41E+08	140823863	+	2.222E-11	1.9548E-10	0.25591	hyper	sig	chr5_140823863
chr16	87688698	87688698	+	2.223E-11	1.9555E-10	-0.23992	hypo	sig	chr16_87688698
chr15	1.01E+08	101372259	+	2.223E-11	1.9555E-10	0.244444	hyper	sig	chr15_101372259
chr11	1073612	1073612	+	2.224E-11	1.9563E-10	-0.20347	hypo	sig	chr11_1073612
chr1	6026592	6026592	+	2.224E-11	1.9567E-10	-0.26722	hypo	sig	chr1_6026592
chr8	56446389	56446389	+	2.225E-11	1.9572E-10	0.254773	hyper	sig	chr8_56446389
chr18	45775723	45775723	+	2.225E-11	1.9572E-10	0.208986	hyper	sig	chr18_45775723
chr15	89367401	89367401	+	2.226E-11	1.9581E-10	0.232968	hyper	sig	chr15_89367401
chr5	6182255	6182255	+	2.226E-11	1.9583E-10	-0.25291	hypo	sig	chr5_6182255

chr3	75906968	75906968	+	2.226E-11	1.9586E-10	0.234798	hyper	sig	chr3_75906968
chr8	1.42E+08	141507394	+	2.227E-11	1.9588E-10	-0.21121	hypo	sig	chr8_141507394
chr10	666111	666111	+	2.228E-11	1.9601E-10	0.212106	hyper	sig	chr10_666111
chr16	1093776	1093776	+	2.23E-11	1.9611E-10	-0.24122	hypo	sig	chr16_1093776
chr17	65549581	65549581	+	2.233E-11	1.9637E-10	-0.20807	hypo	sig	chr17_65549581
chr10	1.33E+08	132921146	+	2.233E-11	1.964E-10	-0.20833	hypo	sig	chr10_132921146
chr7	3950867	3950867	+	2.234E-11	1.9645E-10	-0.29731	hypo	sig	chr7_3950867
chr19	52453536	52453536	+	2.234E-11	1.9648E-10	0.217312	hyper	sig	chr19_52453536
chr1	79006640	79006640	+	2.234E-11	1.9653E-10	0.217696	hyper	sig	chr1_79006640
chr22	37335056	37335056	+	2.234E-11	1.9653E-10	0.204148	hyper	sig	chr22_37335056
chr19	2428674	2428674	+	2.235E-11	1.966E-10	0.209535	hyper	sig	chr19_2428674
chr7	1.57E+08	156949202	+	2.237E-11	1.9673E-10	0.219215	hyper	sig	chr7_156949202
chr16	89367444	89367444	+	2.237E-11	1.9675E-10	0.2046	hyper	sig	chr16_89367444
chr11	65642506	65642506	+	2.238E-11	1.9686E-10	0.213926	hyper	sig	chr11_65642506
chr20	844991	844991	+	2.241E-11	1.9708E-10	0.214289	hyper	sig	chr20_844991
chr8	1.43E+08	143261782	+	2.241E-11	1.9711E-10	-0.33954	hypo	sig	chr8_143261782
chr16	88816926	88816926	+	2.242E-11	1.9718E-10	-0.21231	hypo	sig	chr16_88816926
chr2	2.22E+08	222304871	+	2.243E-11	1.9724E-10	0.260135	hyper	sig	chr2_222304871
chr4	1.54E+08	153760192	+	2.245E-11	1.9738E-10	0.300119	hyper	sig	chr4_153760192
chr6	35141714	35141714	+	2.249E-11	1.9778E-10	-0.2301	hypo	sig	chr6_35141714
chr5	77282407	77282407	+	2.25E-11	1.9783E-10	0.226775	hyper	sig	chr5_77282407
chr4	1.74E+08	173524272	+	2.25E-11	1.9783E-10	0.206656	hyper	sig	chr4_173524272
chr3	1.52E+08	152267033	+	2.25E-11	1.9787E-10	0.233321	hyper	sig	chr3_152267033
chr5	1.41E+08	141430943	+	2.252E-11	1.9796E-10	0.200408	hyper	sig	chr5_141430943
chr6	10382648	10382648	+	2.252E-11	1.9801E-10	0.275617	hyper	sig	chr6_10382648
chr10	75408422	75408422	+	2.253E-11	1.9811E-10	0.228339	hyper	sig	chr10_75408422
chr1	1.53E+08	152580620	+	2.255E-11	1.9829E-10	-0.20308	hypo	sig	chr1_152580620
chr22	37377966	37377966	+	2.256E-11	1.983E-10	-0.29524	hypo	sig	chr22_37377966
chr12	6061330	6061330	+	2.256E-11	1.9837E-10	-0.20977	hypo	sig	chr12_6061330
chr20	64317973	64317973	+	2.257E-11	1.9846E-10	-0.23472	hypo	sig	chr20_64317973
chr19	5093638	5093638	+	2.258E-11	1.9847E-10	0.220107	hyper	sig	chr19_5093638
chr5	3606375	3606375	+	2.258E-11	1.9851E-10	0.213683	hyper	sig	chr5_3606375
chr11	1.18E+08	118077134	+	2.258E-11	1.9853E-10	-0.21385	hypo	sig	chr11_118077134
chr1	2.43E+08	242890678	+	2.259E-11	1.9861E-10	0.269426	hyper	sig	chr1_242890678
chr6	1.68E+08	167664195	+	2.259E-11	1.9861E-10	-0.23909	hypo	sig	chr6_167664195
chr13	1.12E+08	112331763	+	2.26E-11	1.9865E-10	0.279305	hyper	sig	chr13_112331763
chr2	2.32E+08	232458808	+	2.26E-11	1.9867E-10	0.260964	hyper	sig	chr2_232458808
chr10	1.3E+08	129849138	+	2.264E-11	1.9898E-10	-0.21071	hypo	sig	chr10_129849138
chr5	1.41E+08	140841779	+	2.264E-11	1.9899E-10	0.214207	hyper	sig	chr5_140841779
chr1	2.43E+08	242890528	+	2.264E-11	1.9903E-10	0.244874	hyper	sig	chr1_242890528
chr11	1748059	1748059	+	2.265E-11	1.9911E-10	0.25052	hyper	sig	chr11_1748059
chr19	51491440	51491440	+	2.266E-11	1.9918E-10	-0.30921	hypo	sig	chr19_51491440
chr1	981869	981869	+	2.267E-11	1.9924E-10	-0.23319	hypo	sig	chr1_981869
chr10	1.27E+08	126906472	+	2.268E-11	1.9931E-10	0.253947	hyper	sig	chr10_126906472
chr22	42338627	42338627	+	2.268E-11	1.9931E-10	-0.20376	hypo	sig	chr22_42338627
chr17	81050301	81050301	+	2.269E-11	1.9942E-10	-0.28123	hypo	sig	chr17_81050301
chr10	1.33E+08	133081534	+	2.269E-11	1.9943E-10	-0.25059	hypo	sig	chr10_133081534
chr9	1.36E+08	136202464	+	2.269E-11	1.9943E-10	0.271768	hyper	sig	chr9_136202464
chr8	6806717	6806717	+	2.271E-11	1.996E-10	-0.2034	hypo	sig	chr8_6806717
chr18	77056134	77056134	+	2.271E-11	1.996E-10	-0.28919	hypo	sig	chr18_77056134
chr8	11008138	11008138	+	2.272E-11	1.9965E-10	-0.23176	hypo	sig	chr8_11008138
chr5	1.41E+08	140795256	+	2.272E-11	1.9966E-10	0.232046	hyper	sig	chr5_140795256
chr7	1.57E+08	157004771	+	2.273E-11	1.9976E-10	0.268852	hyper	sig	chr7_157004771
chr17	7478004	7478004	+	2.274E-11	1.998E-10	0.309183	hyper	sig	chr17_7478004
chr4	3307669	3307669	+	2.275E-11	1.9995E-10	-0.26127	hypo	sig	chr4_3307669
chr12	1.32E+08	132433183	+	2.277E-11	2.0009E-10	0.200042	hyper	sig	chr12_132433183

chr11	1028291	1028291	+	2.278E-11	2.0019E-10	-0.23086	hypo	sig	chr11_1028291
chr11	64321844	64321844	+	2.279E-11	2.0022E-10	-0.20181	hypo	sig	chr11_64321844
chr7	56448320	56448320	+	2.279E-11	2.0023E-10	0.290787	hyper	sig	chr7_56448320
chr17	76441952	76441952	+	2.281E-11	2.004E-10	0.253025	hyper	sig	chr17_76441952
chr8	1.33E+08	133237737	+	2.282E-11	2.005E-10	0.221425	hyper	sig	chr8_133237737
chr12	1.25E+08	124501552	+	2.288E-11	2.0097E-10	0.294286	hyper	sig	chr12_124501552
chr22	50775401	50775401	+	2.288E-11	2.01E-10	0.226462	hyper	sig	chr22_50775401
chr15	48960113	48960113	+	2.288E-11	2.0103E-10	-0.22056	hypo	sig	chr15_48960113
chr1	3157205	3157205	+	2.288E-11	2.0104E-10	0.214705	hyper	sig	chr1_3157205
chr19	58033857	58033857	+	2.289E-11	2.0108E-10	0.302852	hyper	sig	chr19_58033857
chr10	697939	697939	+	2.291E-11	2.0122E-10	-0.21534	hypo	sig	chr10_697939
chr15	25231278	25231278	+	2.291E-11	2.0125E-10	-0.21401	hypo	sig	chr15_25231278
chr1	1937248	1937248	+	2.292E-11	2.0131E-10	-0.28071	hypo	sig	chr1_1937248
chr5	3103662	3103662	+	2.293E-11	2.0141E-10	0.217519	hyper	sig	chr5_3103662
chr1	3073506	3073506	+	2.294E-11	2.0152E-10	0.204287	hyper	sig	chr1_3073506
chr16	89580086	89580086	+	2.296E-11	2.0168E-10	-0.3436	hypo	sig	chr16_89580086
chr21	26967735	26967735	+	2.297E-11	2.0171E-10	0.21112	hyper	sig	chr21_26967735
chr4	7129458	7129458	+	2.298E-11	2.0185E-10	-0.22591	hypo	sig	chr4_7129458
chr6	32096562	32096562	+	2.299E-11	2.019E-10	0.227882	hyper	sig	chr6_32096562
chr9	1.35E+08	135104408	+	2.299E-11	2.019E-10	-0.25146	hypo	sig	chr9_135104408
chr8	23706531	23706531	+	2.302E-11	2.0221E-10	0.207633	hyper	sig	chr8_23706531
chr5	33982153	33982153	+	2.308E-11	2.0271E-10	0.232789	hyper	sig	chr5_33982153
chr14	69570966	69570966	+	2.311E-11	2.0295E-10	-0.24481	hypo	sig	chr14_69570966
chr14	99382588	99382588	+	2.312E-11	2.0297E-10	0.22833	hyper	sig	chr14_99382588
chr6	79945701	79945701	+	2.313E-11	2.0311E-10	-0.20359	hypo	sig	chr6_79945701
chr12	57619423	57619423	+	2.316E-11	2.0332E-10	-0.20644	hypo	sig	chr12_57619423
chr17	49496178	49496178	+	2.32E-11	2.0364E-10	0.366278	hyper	sig	chr17_49496178
chr7	73316549	73316549	+	2.32E-11	2.0372E-10	-0.22322	hypo	sig	chr7_73316549
chr11	44930951	44930951	+	2.321E-11	2.0375E-10	-0.20035	hypo	sig	chr11_44930951
chr5	1.71E+08	171309843	+	2.322E-11	2.0381E-10	0.215456	hyper	sig	chr5_171309843
chr13	1.12E+08	112107269	+	2.324E-11	2.0397E-10	0.211847	hyper	sig	chr13_112107269
chr6	1.18E+08	117907335	+	2.325E-11	2.0408E-10	0.241319	hyper	sig	chr6_117907335
chr4	1.39E+08	139280015	+	2.326E-11	2.0416E-10	0.201964	hyper	sig	chr4_139280015
chr8	1702078	1702078	+	2.329E-11	2.0445E-10	-0.21933	hypo	sig	chr8_1702078
chr1	1.81E+08	181409624	+	2.329E-11	2.0446E-10	-0.26382	hypo	sig	chr1_181409624
chr19	3179431	3179431	+	2.332E-11	2.0466E-10	-0.24493	hypo	sig	chr19_3179431
chr13	24328291	24328291	+	2.332E-11	2.0471E-10	0.206975	hyper	sig	chr13_24328291
chr20	57264391	57264391	+	2.333E-11	2.048E-10	-0.23133	hypo	sig	chr20_57264391
chr14	75281638	75281638	+	2.334E-11	2.0486E-10	-0.21053	hypo	sig	chr14_75281638
chr16	70450226	70450226	+	2.334E-11	2.0488E-10	0.220278	hyper	sig	chr16_70450226
chr2	74516637	74516637	+	2.334E-11	2.0488E-10	0.242412	hyper	sig	chr2_74516637
chr1	1.82E+08	182056903	+	2.335E-11	2.0497E-10	0.203159	hyper	sig	chr1_182056903
chr12	6963693	6963693	+	2.34E-11	2.0538E-10	-0.23248	hypo	sig	chr12_6963693
chr6	1.52E+08	151808719	+	2.341E-11	2.0543E-10	0.205484	hyper	sig	chr6_151808719
chr3	1.64E+08	164004437	+	2.342E-11	2.055E-10	-0.20173	hypo	sig	chr3_164004437
chr5	1658915	1658915	+	2.342E-11	2.0551E-10	-0.24432	hypo	sig	chr5_1658915
chr19	58356393	58356393	+	2.342E-11	2.0555E-10	0.245798	hyper	sig	chr19_58356393
chr5	1.41E+08	141431418	+	2.343E-11	2.0559E-10	0.252553	hyper	sig	chr5_141431418
chr15	77987854	77987854	+	2.345E-11	2.0582E-10	-0.25537	hypo	sig	chr15_77987854
chr14	51095993	51095993	+	2.347E-11	2.0594E-10	0.203264	hyper	sig	chr14_51095993
chr6	1.69E+08	168999529	+	2.35E-11	2.0623E-10	-0.26623	hypo	sig	chr6_168999529
chr14	60507298	60507298	+	2.35E-11	2.0624E-10	0.243365	hyper	sig	chr14_60507298
chr20	62709461	62709461	+	2.351E-11	2.063E-10	0.200706	hyper	sig	chr20_62709461
chr13	99978035	99978035	+	2.352E-11	2.0637E-10	0.253236	hyper	sig	chr13_99978035
chr7	27147361	27147361	+	2.354E-11	2.065E-10	0.218452	hyper	sig	chr7_27147361
chr4	7772953	7772953	+	2.354E-11	2.0651E-10	0.265839	hyper	sig	chr4_7772953

chr15	94856838	94856838	+	2.354E-11	2.0651E-10	-0.24733	hypo	sig	chr15_94856838
chr2	1480331	1480331	+	2.354E-11	2.0651E-10	-0.24016	hypo	sig	chr2_1480331
chr5	1.56E+08	155936459	+	2.354E-11	2.0653E-10	-0.26593	hypo	sig	chr5_155936459
chr7	1158826	1158826	+	2.355E-11	2.0657E-10	-0.31366	hypo	sig	chr7_1158826
chr9	1.09E+08	109167515	+	2.355E-11	2.0661E-10	0.23567	hyper	sig	chr9_109167515
chr5	1.41E+08	141432853	+	2.357E-11	2.0674E-10	0.278597	hyper	sig	chr5_141432853
chr2	1.82E+08	181678167	+	2.357E-11	2.0677E-10	0.242135	hyper	sig	chr2_181678167
chr8	1.42E+08	142417096	+	2.361E-11	2.0714E-10	0.312208	hyper	sig	chr8_142417096
chr19	6111602	6111602	+	2.362E-11	2.0718E-10	-0.20748	hypo	sig	chr19_6111602
chr8	378469	378469	+	2.362E-11	2.0718E-10	-0.27087	hypo	sig	chr8_378469
chr5	2757202	2757202	+	2.363E-11	2.0728E-10	0.307092	hyper	sig	chr5_2757202
chr10	1.33E+08	133360521	+	2.363E-11	2.0732E-10	-0.25578	hypo	sig	chr10_133360521
chr3	48656179	48656179	+	2.365E-11	2.0746E-10	0.261749	hyper	sig	chr3_48656179
chr7	1231037	1231037	+	2.368E-11	2.0772E-10	0.220443	hyper	sig	chr7_1231037
chr1	1.97E+08	196878042	+	2.368E-11	2.0774E-10	0.205722	hyper	sig	chr1_196878042
chr1	2.25E+08	225473773	+	2.37E-11	2.0783E-10	0.206358	hyper	sig	chr1_225473773
chr17	43400152	43400152	+	2.37E-11	2.0789E-10	0.223981	hyper	sig	chr17_43400152
chr14	37622617	37622617	+	2.371E-11	2.0792E-10	0.268398	hyper	sig	chr14_37622617
chr6	37650355	37650355	+	2.372E-11	2.0801E-10	0.232963	hyper	sig	chr6_37650355
chr10	1.03E+08	103277945	+	2.376E-11	2.0833E-10	0.240313	hyper	sig	chr10_103277945
chr17	81083238	81083238	+	2.376E-11	2.0833E-10	0.261702	hyper	sig	chr17_81083238
chr17	80960132	80960132	+	2.379E-11	2.0865E-10	0.211927	hyper	sig	chr17_80960132
chr19	57708772	57708772	+	2.381E-11	2.0876E-10	0.290416	hyper	sig	chr19_57708772
chr22	50044982	50044982	+	2.381E-11	2.0876E-10	-0.24409	hypo	sig	chr22_50044982
chr2	394542	394542	+	2.382E-11	2.0885E-10	-0.22406	hypo	sig	chr2_394542
chr10	1.28E+08	128047111	+	2.383E-11	2.0896E-10	-0.25704	hypo	sig	chr10_128047111
chr1	10650091	10650091	+	2.383E-11	2.0898E-10	0.202896	hyper	sig	chr1_10650091
chr16	3192750	3192750	+	2.385E-11	2.0906E-10	0.219508	hyper	sig	chr16_3192750
chr11	30583903	30583903	+	2.385E-11	2.0911E-10	0.226559	hyper	sig	chr11_30583903
chr2	44944237	44944237	+	2.385E-11	2.0911E-10	0.35591	hyper	sig	chr2_44944237
chr3	32819826	32819826	+	2.385E-11	2.0911E-10	0.223357	hyper	sig	chr3_32819826
chr1	2.21E+08	220895441	+	2.386E-11	2.0916E-10	0.200619	hyper	sig	chr1_220895441
chr16	3184407	3184407	+	2.388E-11	2.0931E-10	0.214714	hyper	sig	chr16_3184407
chr6	32201192	32201192	+	2.388E-11	2.0933E-10	-0.24447	hypo	sig	chr6_32201192
chr16	73093527	73093527	+	2.388E-11	2.0936E-10	-0.20222	hypo	sig	chr16_73093527
chr6	1.7E+08	170275386	+	2.389E-11	2.094E-10	-0.23213	hypo	sig	chr6_170275386
chr6	1.68E+08	168302032	+	2.389E-11	2.0942E-10	-0.29191	hypo	sig	chr6_168302032
chr10	650325	650325	+	2.39E-11	2.0947E-10	-0.20042	hypo	sig	chr10_650325
chr1	2.47E+08	247332855	+	2.39E-11	2.0952E-10	0.239584	hyper	sig	chr1_247332855
chr15	50907225	50907225	+	2.391E-11	2.0958E-10	-0.20651	hypo	sig	chr15_50907225
chr18	12911539	12911539	+	2.392E-11	2.0968E-10	0.220844	hyper	sig	chr18_12911539
chr14	1.01E+08	100883129	+	2.394E-11	2.0984E-10	-0.25971	hypo	sig	chr14_100883129
chr9	88990943	88990943	+	2.394E-11	2.0987E-10	0.270221	hyper	sig	chr9_88990943
chr14	53952010	53952010	+	2.396E-11	2.1003E-10	0.268286	hyper	sig	chr14_53952010
chr10	45444230	45444230	+	2.399E-11	2.1027E-10	-0.23254	hypo	sig	chr10_45444230
chr5	958962	958962	+	2.4E-11	2.1031E-10	-0.23929	hypo	sig	chr5_958962
chr19	1496608	1496608	+	2.401E-11	2.1046E-10	-0.27544	hypo	sig	chr19_1496608
chr1	3743048	3743048	+	2.401E-11	2.1047E-10	-0.24882	hypo	sig	chr1_3743048
chr19	55684079	55684079	+	2.403E-11	2.1056E-10	-0.23592	hypo	sig	chr19_55684079
chr1	25618242	25618242	+	2.406E-11	2.1083E-10	0.215633	hyper	sig	chr1_25618242
chr12	13001784	13001784	+	2.408E-11	2.1104E-10	0.219821	hyper	sig	chr12_13001784
chr5	2387853	2387853	+	2.412E-11	2.1136E-10	0.216117	hyper	sig	chr5_2387853
chr9	1.36E+08	136334555	+	2.413E-11	2.1141E-10	-0.30308	hypo	sig	chr9_136334555
chr15	74818882	74818882	+	2.413E-11	2.1143E-10	-0.21738	hypo	sig	chr15_74818882
chr19	56476980	56476980	+	2.414E-11	2.1149E-10	0.254062	hyper	sig	chr19_56476980
chr4	44447605	44447605	+	2.414E-11	2.1151E-10	0.221312	hyper	sig	chr4_44447605

chr7	1.56E+08	155831086	+	2.415E-11	2.116E-10	0.230251	hyper	sig	chr7_155831086
chr6	10384815	10384815	+	2.416E-11	2.1165E-10	0.312524	hyper	sig	chr6_10384815
chr2	19356808	19356808	+	2.416E-11	2.1165E-10	0.250431	hyper	sig	chr2_19356808
chr2	2.32E+08	232455883	+	2.417E-11	2.1173E-10	-0.20839	hypo	sig	chr2_232455883
chr5	2289107	2289107	+	2.418E-11	2.1184E-10	-0.21501	hypo	sig	chr5_2289107
chr11	1.34E+08	134030027	+	2.418E-11	2.1188E-10	-0.25583	hypo	sig	chr11_134030027
chr16	30650226	30650226	+	2.419E-11	2.1197E-10	0.234049	hyper	sig	chr16_30650226
chr6	1.66E+08	165710100	+	2.422E-11	2.122E-10	-0.21905	hypo	sig	chr6_165710100
chr15	37096667	37096667	+	2.422E-11	2.1222E-10	0.216411	hyper	sig	chr15_37096667
chr7	27145244	27145244	+	2.422E-11	2.1222E-10	0.231205	hyper	sig	chr7_27145244
chr19	48961790	48961790	+	2.424E-11	2.1234E-10	-0.24419	hypo	sig	chr19_48961790
chr13	20301827	20301827	+	2.426E-11	2.1252E-10	0.275487	hyper	sig	chr13_20301827
chr8	64575655	64575655	+	2.426E-11	2.1252E-10	0.207792	hyper	sig	chr8_64575655
chr4	1404091	1404091	+	2.426E-11	2.1254E-10	0.23416	hyper	sig	chr4_1404091
chr8	4991465	4991465	+	2.426E-11	2.1254E-10	0.223686	hyper	sig	chr8_4991465
chr12	51392825	51392825	+	2.427E-11	2.1258E-10	-0.22333	hypo	sig	chr12_51392825
chr22	36494057	36494057	+	2.427E-11	2.1259E-10	-0.20589	hypo	sig	chr22_36494057
chr1	2.28E+08	228058974	+	2.43E-11	2.1284E-10	0.215924	hyper	sig	chr1_228058974
chr8	37962808	37962808	+	2.431E-11	2.129E-10	0.23078	hyper	sig	chr8_37962808
chr12	1.32E+08	132394129	+	2.431E-11	2.129E-10	-0.25005	hypo	sig	chr12_132394129
chr12	51391091	51391091	+	2.431E-11	2.1291E-10	-0.25643	hypo	sig	chr12_51391091
chr4	48483073	48483073	+	2.434E-11	2.1319E-10	0.23454	hyper	sig	chr4_48483073
chr19	3870814	3870814	+	2.435E-11	2.1327E-10	0.21963	hyper	sig	chr19_3870814
chr18	5894706	5894706	+	2.435E-11	2.1329E-10	0.214913	hyper	sig	chr18_5894706
chr22	31079182	31079182	+	2.437E-11	2.1346E-10	-0.21988	hypo	sig	chr22_31079182
chr17	1048610	1048610	+	2.441E-11	2.1374E-10	0.220586	hyper	sig	chr17_1048610
chr11	72822430	72822430	+	2.441E-11	2.1379E-10	0.268462	hyper	sig	chr11_72822430
chr17	83006979	83006979	+	2.443E-11	2.1389E-10	0.210053	hyper	sig	chr17_83006979
chr2	2.42E+08	241800762	+	2.443E-11	2.1393E-10	0.263806	hyper	sig	chr2_241800762
chr7	47315437	47315437	+	2.445E-11	2.1405E-10	0.348695	hyper	sig	chr7_47315437
chr16	86432552	86432552	+	2.445E-11	2.141E-10	0.240366	hyper	sig	chr16_86432552
chr18	79436242	79436242	+	2.448E-11	2.1434E-10	-0.22534	hypo	sig	chr18_79436242
chr12	1.14E+08	113612117	+	2.45E-11	2.1456E-10	0.23331	hyper	sig	chr12_113612117
chr16	54290213	54290213	+	2.451E-11	2.1461E-10	0.260927	hyper	sig	chr16_54290213
chr17	50124158	50124158	+	2.454E-11	2.1483E-10	0.230913	hyper	sig	chr17_50124158
chr3	1.34E+08	133927251	+	2.454E-11	2.1484E-10	0.213534	hyper	sig	chr3_133927251
chr8	1.42E+08	142464375	+	2.454E-11	2.1487E-10	0.217282	hyper	sig	chr8_142464375
chr4	41866142	41866142	+	2.456E-11	2.1503E-10	0.272417	hyper	sig	chr4_41866142
chr3	38028929	38028929	+	2.456E-11	2.1506E-10	0.202021	hyper	sig	chr3_38028929
chr7	1.49E+08	149238970	+	2.459E-11	2.1533E-10	-0.25001	hypo	sig	chr7_149238970
chr3	46020879	46020879	+	2.46E-11	2.1536E-10	-0.21987	hypo	sig	chr3_46020879
chr16	30895923	30895923	+	2.46E-11	2.1537E-10	0.255898	hyper	sig	chr16_30895923
chr16	75486267	75486267	+	2.46E-11	2.1538E-10	-0.24031	hypo	sig	chr16_75486267
chr1	1.6E+08	160084609	+	2.46E-11	2.1538E-10	0.277454	hyper	sig	chr1_160084609
chr1	90717504	90717504	+	2.461E-11	2.1546E-10	0.284081	hyper	sig	chr1_90717504
chr14	60643367	60643367	+	2.461E-11	2.1546E-10	0.262959	hyper	sig	chr14_60643367
chr6	1.08E+08	108165199	+	2.462E-11	2.155E-10	0.263655	hyper	sig	chr6_108165199
chr3	64267877	64267877	+	2.462E-11	2.1554E-10	0.205671	hyper	sig	chr3_64267877
chr1	2.31E+08	231020613	+	2.463E-11	2.1562E-10	0.244767	hyper	sig	chr1_231020613
chr20	58840223	58840223	+	2.464E-11	2.1566E-10	0.29761	hyper	sig	chr20_58840223
chr10	99530965	99530965	+	2.464E-11	2.1566E-10	0.208506	hyper	sig	chr10_99530965
chr11	62688305	62688305	+	2.464E-11	2.1568E-10	0.352953	hyper	sig	chr11_62688305
chr7	73424378	73424378	+	2.465E-11	2.1574E-10	0.219775	hyper	sig	chr7_73424378
chr13	87678173	87678173	+	2.467E-11	2.159E-10	0.210028	hyper	sig	chr13_87678173
chr11	1871005	1871005	+	2.467E-11	2.1592E-10	0.210526	hyper	sig	chr11_1871005
chr1	2.36E+08	236396054	+	2.468E-11	2.16E-10	0.259771	hyper	sig	chr1_236396054

chr17	1098365	1098365	+	2.469E-11	2.1606E-10	-0.29618	hypo	sig	chr17_1098365
chr1	2459282	2459282	+	2.47E-11	2.1616E-10	-0.20833	hypo	sig	chr1_2459282
chr5	1.41E+08	141430772	+	2.471E-11	2.1622E-10	0.201704	hyper	sig	chr5_141430772
chr2	1.56E+08	156320830	+	2.473E-11	2.1644E-10	0.245868	hyper	sig	chr2_156320830
chr19	17329071	17329071	+	2.474E-11	2.1651E-10	0.207252	hyper	sig	chr19_17329071
chr4	52076987	52076987	+	2.476E-11	2.1664E-10	0.242001	hyper	sig	chr4_52076987
chr10	70442260	70442260	+	2.477E-11	2.1673E-10	-0.29571	hypo	sig	chr10_70442260
chr19	40512976	40512976	+	2.479E-11	2.169E-10	0.206982	hyper	sig	chr19_40512976
chr16	1961164	1961164	+	2.479E-11	2.1691E-10	-0.24921	hypo	sig	chr16_1961164
chr4	41880731	41880731	+	2.48E-11	2.1704E-10	0.236544	hyper	sig	chr4_41880731
chr1	63320340	63320340	+	2.481E-11	2.1709E-10	0.208415	hyper	sig	chr1_63320340
chr20	3079363	3079363	+	2.483E-11	2.1723E-10	-0.22132	hypo	sig	chr20_3079363
chr15	76341699	76341699	+	2.483E-11	2.1726E-10	-0.28132	hypo	sig	chr15_76341699
chr12	24902673	24902673	+	2.485E-11	2.1742E-10	0.274866	hyper	sig	chr12_24902673
chr22	19756383	19756383	+	2.486E-11	2.175E-10	0.237989	hyper	sig	chr22_19756383
chr4	17781043	17781043	+	2.486E-11	2.1752E-10	0.203127	hyper	sig	chr4_17781043
chr6	31572392	31572392	+	2.488E-11	2.177E-10	-0.20091	hypo	sig	chr6_31572392
chr10	1.19E+08	119342081	+	2.489E-11	2.1774E-10	0.207661	hyper	sig	chr10_119342081
chr17	61455110	61455110	+	2.489E-11	2.1774E-10	-0.25444	hypo	sig	chr17_61455110
chr14	77317144	77317144	+	2.49E-11	2.1782E-10	-0.20442	hypo	sig	chr14_77317144
chr8	1026072	1026072	+	2.493E-11	2.1806E-10	-0.24138	hypo	sig	chr8_1026072
chr8	1.44E+08	143941015	+	2.493E-11	2.1808E-10	-0.21665	hypo	sig	chr8_143941015
chr11	77039091	77039091	+	2.495E-11	2.1825E-10	-0.32418	hypo	sig	chr11_77039091
chr14	56811049	56811049	+	2.497E-11	2.184E-10	0.220876	hyper	sig	chr14_56811049
chr1	10635690	10635690	+	2.498E-11	2.1853E-10	0.213035	hyper	sig	chr1_10635690
chr1	2.25E+08	224617889	+	2.498E-11	2.1856E-10	0.281745	hyper	sig	chr1_224617889
chr19	29528283	29528283	+	2.5E-11	2.1869E-10	0.264473	hyper	sig	chr19_29528283
chr21	42596057	42596057	+	2.5E-11	2.1871E-10	-0.26448	hypo	sig	chr21_42596057
chr17	31490303	31490303	+	2.501E-11	2.1878E-10	-0.2919	hypo	sig	chr17_31490303
chr12	48004940	48004940	+	2.501E-11	2.1878E-10	0.293246	hyper	sig	chr12_48004940
chr4	1.47E+08	146638976	+	2.505E-11	2.1913E-10	0.205918	hyper	sig	chr4_146638976
chr8	49912062	49912062	+	2.508E-11	2.1935E-10	0.209434	hyper	sig	chr8_49912062
chr12	1.24E+08	124454910	+	2.509E-11	2.1948E-10	0.215839	hyper	sig	chr12_124454910
chr9	1.21E+08	121202449	+	2.51E-11	2.195E-10	-0.22401	hypo	sig	chr9_121202449
chr19	1064219	1064219	+	2.51E-11	2.1952E-10	-0.20231	hypo	sig	chr19_1064219
chr20	62954572	62954572	+	2.51E-11	2.1952E-10	0.275448	hyper	sig	chr20_62954572
chr1	34778155	34778155	+	2.513E-11	2.1976E-10	0.274674	hyper	sig	chr1_34778155
chr7	1.41E+08	140527503	+	2.513E-11	2.1981E-10	-0.21913	hypo	sig	chr7_140527503
chr19	56863939	56863939	+	2.514E-11	2.1989E-10	-0.24823	hypo	sig	chr19_56863939
chr12	1.03E+08	102824442	+	2.515E-11	2.1996E-10	0.306335	hyper	sig	chr12_102824442
chr13	1.13E+08	112985354	+	2.517E-11	2.2009E-10	-0.25657	hypo	sig	chr13_112985354
chr12	1.15E+08	114686956	+	2.517E-11	2.2009E-10	0.216449	hyper	sig	chr12_114686956
chr19	19514420	19514420	+	2.517E-11	2.2011E-10	0.302004	hyper	sig	chr19_19514420
chr10	2775960	2775960	+	2.517E-11	2.2014E-10	-0.23889	hypo	sig	chr10_2775960
chr11	66317457	66317457	+	2.518E-11	2.2016E-10	0.226218	hyper	sig	chr11_66317457
chr12	53975783	53975783	+	2.519E-11	2.2027E-10	0.230351	hyper	sig	chr12_53975783
chr20	40692905	40692905	+	2.519E-11	2.2028E-10	0.25618	hyper	sig	chr20_40692905
chr8	1.43E+08	142787961	+	2.52E-11	2.2034E-10	-0.21804	hypo	sig	chr8_142787961
chr3	50506921	50506921	+	2.523E-11	2.206E-10	-0.28051	hypo	sig	chr3_50506921
chr6	99609205	99609205	+	2.523E-11	2.2064E-10	0.269744	hyper	sig	chr6_99609205
chr7	1.59E+08	158570260	+	2.524E-11	2.2073E-10	0.22986	hyper	sig	chr7_158570260
chr11	1485774	1485774	+	2.525E-11	2.2079E-10	0.219859	hyper	sig	chr11_1485774
chr1	2327872	2327872	+	2.526E-11	2.2087E-10	-0.24926	hypo	sig	chr1_2327872
chr7	1.36E+08	135728484	+	2.526E-11	2.2088E-10	-0.20717	hypo	sig	chr7_135728484
chr7	98878145	98878145	+	2.527E-11	2.2092E-10	0.324238	hyper	sig	chr7_98878145
chr11	46920963	46920963	+	2.527E-11	2.2092E-10	0.235508	hyper	sig	chr11_46920963

chr7	1.56E+08	156104742	+	2.53E-11	2.2119E-10	-0.20292	hypo	sig	chr7_156104742
chr9	11413	11413	+	2.531E-11	2.2126E-10	-0.24739	hypo	sig	chr9_11413
chr1	1.1E+08	109896304	+	2.531E-11	2.2127E-10	-0.25505	hypo	sig	chr1_109896304
chr17	34157099	34157099	+	2.533E-11	2.2144E-10	0.223132	hyper	sig	chr17_34157099
chr10	27413800	27413800	+	2.533E-11	2.2146E-10	0.245432	hyper	sig	chr10_27413800
chr16	51156174	51156174	+	2.534E-11	2.2153E-10	0.216505	hyper	sig	chr16_51156174
chr19	3879908	3879908	+	2.534E-11	2.2155E-10	-0.24572	hypo	sig	chr19_3879908
chr5	88694747	88694747	+	2.535E-11	2.2164E-10	0.201162	hyper	sig	chr5_88694747
chr1	53592943	53592943	+	2.537E-11	2.2179E-10	-0.22598	hypo	sig	chr1_53592943
chr6	30206927	30206927	+	2.54E-11	2.2199E-10	-0.22867	hypo	sig	chr6_30206927
chr16	89608180	89608180	+	2.54E-11	2.22E-10	-0.24803	hypo	sig	chr16_89608180
chr17	7851492	7851492	+	2.541E-11	2.2207E-10	-0.27188	hypo	sig	chr17_7851492
chr19	12806216	12806216	+	2.542E-11	2.2217E-10	-0.20399	hypo	sig	chr19_12806216
chr17	78453386	78453386	+	2.543E-11	2.2224E-10	-0.31828	hypo	sig	chr17_78453386
chr17	27293580	27293580	+	2.544E-11	2.2232E-10	-0.25327	hypo	sig	chr17_27293580
chr20	36875580	36875580	+	2.547E-11	2.2257E-10	-0.24632	hypo	sig	chr20_36875580
chr3	1.34E+08	133746516	+	2.547E-11	2.2257E-10	0.248434	hyper	sig	chr3_133746516
chr17	74235261	74235261	+	2.548E-11	2.2266E-10	-0.2066	hypo	sig	chr17_74235261
chr19	670560	670560	+	2.548E-11	2.2266E-10	-0.20894	hypo	sig	chr19_670560
chr4	785453	785453	+	2.55E-11	2.229E-10	0.216794	hyper	sig	chr4_785453
chr5	1.41E+08	141419385	+	2.551E-11	2.229E-10	0.215651	hyper	sig	chr5_141419385
chr5	1.41E+08	141200115	+	2.551E-11	2.2291E-10	0.252214	hyper	sig	chr5_141200115
chr19	17846308	17846308	+	2.551E-11	2.2292E-10	-0.21514	hypo	sig	chr19_17846308
chr16	2083332	2083332	+	2.552E-11	2.2304E-10	0.29513	hyper	sig	chr16_2083332
chr3	14552329	14552329	+	2.553E-11	2.2312E-10	-0.27168	hypo	sig	chr3_14552329
chr9	1.33E+08	132770640	+	2.553E-11	2.2312E-10	0.239748	hyper	sig	chr9_132770640
chr19	1762396	1762396	+	2.553E-11	2.2313E-10	0.224979	hyper	sig	chr19_1762396
chr17	8965224	8965224	+	2.554E-11	2.2317E-10	0.201135	hyper	sig	chr17_8965224
chr3	36970139	36970139	+	2.554E-11	2.2318E-10	-0.24093	hypo	sig	chr3_36970139
chr7	1243207	1243207	+	2.556E-11	2.2331E-10	0.308225	hyper	sig	chr7_1243207
chr17	81992364	81992364	+	2.557E-11	2.2342E-10	0.214709	hyper	sig	chr17_81992364
chr13	1.12E+08	111630091	+	2.558E-11	2.2353E-10	0.272661	hyper	sig	chr13_111630091
chr2	2.39E+08	239005735	+	2.559E-11	2.2355E-10	-0.20849	hypo	sig	chr2_239005735
chr5	1.33E+08	133245601	+	2.559E-11	2.2361E-10	-0.23936	hypo	sig	chr5_133245601
chr1	2.07E+08	207495979	+	2.56E-11	2.2371E-10	0.210217	hyper	sig	chr1_207495979
chr1	1.19E+08	118989778	+	2.563E-11	2.2392E-10	0.250713	hyper	sig	chr1_118989778
chr1	1.55E+08	154860645	+	2.568E-11	2.2435E-10	-0.22105	hypo	sig	chr1_154860645
chr7	1.59E+08	159007074	+	2.57E-11	2.245E-10	-0.2034	hypo	sig	chr7_159007074
chr16	1112701	1112701	+	2.57E-11	2.2453E-10	-0.22433	hypo	sig	chr16_1112701
chr20	662042	662042	+	2.571E-11	2.2463E-10	0.28817	hyper	sig	chr20_662042
chr5	1.41E+08	140876798	+	2.573E-11	2.2478E-10	0.247586	hyper	sig	chr5_140876798
chr12	54078263	54078263	+	2.574E-11	2.2483E-10	0.224606	hyper	sig	chr12_54078263
chr16	70694124	70694124	+	2.575E-11	2.2492E-10	0.236518	hyper	sig	chr16_70694124
chr10	1.33E+08	132591899	+	2.575E-11	2.2494E-10	-0.228	hypo	sig	chr10_132591899
chr5	1.78E+08	178465768	+	2.577E-11	2.2514E-10	-0.24947	hypo	sig	chr5_178465768
chr5	1.79E+08	179028185	+	2.578E-11	2.2516E-10	-0.21117	hypo	sig	chr5_179028185
chr8	78762410	78762410	+	2.579E-11	2.2528E-10	0.22467	hyper	sig	chr8_78762410
chr4	76420639	76420639	+	2.579E-11	2.253E-10	0.320129	hyper	sig	chr4_76420639
chr12	27969579	27969579	+	2.58E-11	2.2538E-10	0.214191	hyper	sig	chr12_27969579
chr11	63987300	63987300	+	2.581E-11	2.2543E-10	0.212312	hyper	sig	chr11_63987300
chr1	36806333	36806333	+	2.581E-11	2.2547E-10	-0.22527	hypo	sig	chr1_36806333
chr7	27143002	27143002	+	2.581E-11	2.2547E-10	0.348242	hyper	sig	chr7_27143002
chr12	24921056	24921056	+	2.583E-11	2.2557E-10	-0.23771	hypo	sig	chr12_24921056
chr16	89099079	89099079	+	2.583E-11	2.2561E-10	-0.20978	hypo	sig	chr16_89099079
chr7	4837376	4837376	+	2.583E-11	2.2561E-10	-0.31855	hypo	sig	chr7_4837376
chr12	1.01E+08	101209700	+	2.585E-11	2.2575E-10	0.213908	hyper	sig	chr12_101209700

chr7	1.53E+08	152921858	+	2.587E-11	2.2592E-10	-0.28132	hypo	sig	chr7_152921858
chr17	82388188	82388188	+	2.587E-11	2.2594E-10	-0.24549	hypo	sig	chr17_82388188
chr19	3750870	3750870	+	2.587E-11	2.2594E-10	0.204545	hyper	sig	chr19_3750870
chr1	1.47E+08	147079964	+	2.588E-11	2.2604E-10	0.267684	hyper	sig	chr1_147079964
chr11	20163573	20163573	+	2.589E-11	2.2611E-10	0.299471	hyper	sig	chr11_20163573
chr6	1.08E+08	108167421	+	2.59E-11	2.2619E-10	0.234411	hyper	sig	chr6_108167421
chr14	1.03E+08	102819419	+	2.591E-11	2.2624E-10	-0.2791	hypo	sig	chr14_102819419
chr12	52232988	52232988	+	2.592E-11	2.2639E-10	0.341887	hyper	sig	chr12_52232988
chr1	1.54E+08	154323748	+	2.594E-11	2.2656E-10	-0.24771	hypo	sig	chr1_154323748
chr7	1.57E+08	157468951	+	2.595E-11	2.2659E-10	-0.23452	hypo	sig	chr7_157468951
chr11	1872253	1872253	+	2.595E-11	2.266E-10	-0.20838	hypo	sig	chr11_1872253
chr2	1.27E+08	127175935	+	2.596E-11	2.267E-10	0.203457	hyper	sig	chr2_127175935
chr16	3192782	3192782	+	2.597E-11	2.2679E-10	0.220547	hyper	sig	chr16_3192782
chr3	14811316	14811316	+	2.598E-11	2.2687E-10	0.262885	hyper	sig	chr3_14811316
chr4	84502194	84502194	+	2.604E-11	2.2737E-10	0.201676	hyper	sig	chr4_84502194
chr19	54982688	54982688	+	2.607E-11	2.2764E-10	-0.2024	hypo	sig	chr19_54982688
chr14	53952014	53952014	+	2.609E-11	2.2775E-10	0.265456	hyper	sig	chr14_53952014
chr12	53751001	53751001	+	2.609E-11	2.2775E-10	0.224749	hyper	sig	chr12_53751001
chr16	24850685	24850685	+	2.61E-11	2.2783E-10	-0.22732	hypo	sig	chr16_24850685
chr16	67654858	67654858	+	2.61E-11	2.2788E-10	0.304295	hyper	sig	chr16_67654858
chr1	1.47E+08	147072503	+	2.611E-11	2.2797E-10	0.209155	hyper	sig	chr1_147072503
chr5	1.41E+08	141419358	+	2.611E-11	2.2799E-10	0.258009	hyper	sig	chr5_141419358
chr9	1.36E+08	136201650	+	2.613E-11	2.2812E-10	0.237472	hyper	sig	chr9_136201650
chr1	1.19E+08	118992186	+	2.617E-11	2.2844E-10	0.29327	hyper	sig	chr1_118992186
chr4	3533022	3533022	+	2.617E-11	2.2846E-10	0.247873	hyper	sig	chr4_3533022
chr5	77638473	77638473	+	2.617E-11	2.2847E-10	0.259465	hyper	sig	chr5_77638473
chr20	63044087	63044087	+	2.62E-11	2.2867E-10	-0.32924	hypo	sig	chr20_63044087
chr16	29636257	29636257	+	2.623E-11	2.2895E-10	-0.23863	hypo	sig	chr16_29636257
chr6	32148352	32148352	+	2.624E-11	2.2905E-10	0.235464	hyper	sig	chr6_32148352
chr5	5890670	5890670	+	2.625E-11	2.2914E-10	-0.2461	hypo	sig	chr5_5890670
chr19	14942079	14942079	+	2.626E-11	2.292E-10	-0.20717	hypo	sig	chr19_14942079
chr11	20601048	20601048	+	2.628E-11	2.2938E-10	0.251495	hyper	sig	chr11_20601048
chr8	70615261	70615261	+	2.632E-11	2.297E-10	-0.20266	hypo	sig	chr8_70615261
chr7	1.5E+08	150047912	+	2.636E-11	2.3003E-10	0.208621	hyper	sig	chr7_150047912
chr16	2712702	2712702	+	2.637E-11	2.3011E-10	-0.22955	hypo	sig	chr16_2712702
chr14	24132449	24132449	+	2.638E-11	2.3023E-10	-0.23732	hypo	sig	chr14_24132449
chr7	1.5E+08	150036735	+	2.638E-11	2.3023E-10	-0.20001	hypo	sig	chr7_150036735
chr7	4725201	4725201	+	2.638E-11	2.3025E-10	0.226001	hyper	sig	chr7_4725201
chr19	53521256	53521256	+	2.639E-11	2.3027E-10	0.243163	hyper	sig	chr19_53521256
chr12	1.32E+08	132214247	+	2.64E-11	2.3039E-10	-0.23352	hypo	sig	chr12_132214247
chr20	19974918	19974918	+	2.64E-11	2.3039E-10	0.237098	hyper	sig	chr20_19974918
chr12	98894025	98894025	+	2.641E-11	2.3046E-10	0.233697	hyper	sig	chr12_98894025
chr11	8262663	8262663	+	2.642E-11	2.3052E-10	0.224911	hyper	sig	chr11_8262663
chr17	4969173	4969173	+	2.643E-11	2.3061E-10	0.236102	hyper	sig	chr17_4969173
chr16	88935538	88935538	+	2.644E-11	2.3067E-10	-0.22162	hypo	sig	chr16_88935538
chr7	73424292	73424292	+	2.645E-11	2.3079E-10	0.212805	hyper	sig	chr7_73424292
chr13	1.08E+08	107866922	+	2.647E-11	2.3095E-10	0.253139	hyper	sig	chr13_107866922
chr17	82003893	82003893	+	2.648E-11	2.3106E-10	0.228215	hyper	sig	chr17_82003893
chr2	2.41E+08	240726916	+	2.65E-11	2.3123E-10	-0.24433	hypo	sig	chr2_240726916
chr1	1.19E+08	118984833	+	2.652E-11	2.3138E-10	0.251433	hyper	sig	chr1_118984833
chr10	92420787	92420787	+	2.657E-11	2.3178E-10	0.203089	hyper	sig	chr10_92420787
chr13	1.12E+08	112451516	+	2.657E-11	2.3181E-10	-0.21242	hypo	sig	chr13_112451516
chr3	1.38E+08	138010503	+	2.659E-11	2.3201E-10	-0.27782	hypo	sig	chr3_138010503
chr1	2.29E+08	228737698	+	2.66E-11	2.3201E-10	0.207726	hyper	sig	chr1_228737698
chr5	25911098	25911098	+	2.661E-11	2.3213E-10	-0.21696	hypo	sig	chr5_25911098
chr22	42724141	42724141	+	2.663E-11	2.3226E-10	-0.2725	hypo	sig	chr22_42724141

chr19	58356849	58356849	+	2.663E-11	2.323E-10	0.232519	hyper	sig	chr19_58356849
chr16	3012647	3012647	+	2.663E-11	2.3234E-10	0.234307	hyper	sig	chr16_3012647
chr1	3011913	3011913	+	2.664E-11	2.3241E-10	0.260029	hyper	sig	chr1_3011913
chr9	39041538	39041538	+	2.665E-11	2.3243E-10	-0.22364	hypo	sig	chr9_39041538
chr11	20599590	20599590	+	2.666E-11	2.3258E-10	0.206293	hyper	sig	chr11_20599590
chr1	16535543	16535543	+	2.668E-11	2.3268E-10	0.203521	hyper	sig	chr1_16535543
chr17	83076987	83076987	+	2.668E-11	2.3268E-10	-0.23882	hypo	sig	chr17_83076987
chr20	46021631	46021631	+	2.669E-11	2.3283E-10	0.218587	hyper	sig	chr20_46021631
chr17	82236767	82236767	+	2.67E-11	2.3284E-10	0.252778	hyper	sig	chr17_82236767
chr19	18931935	18931935	+	2.67E-11	2.3287E-10	-0.25078	hypo	sig	chr19_18931935
chr12	52965181	52965181	+	2.67E-11	2.3289E-10	0.261802	hyper	sig	chr12_52965181
chr2	74526231	74526231	+	2.671E-11	2.3293E-10	-0.20823	hypo	sig	chr2_74526231
chr19	14085825	14085825	+	2.671E-11	2.3296E-10	0.394755	hyper	sig	chr19_14085825
chr7	19117779	19117779	+	2.671E-11	2.3298E-10	0.21464	hyper	sig	chr7_19117779
chr7	1.59E+08	159158701	+	2.672E-11	2.3305E-10	-0.22407	hypo	sig	chr7_159158701
chr5	1.33E+08	133468288	+	2.674E-11	2.3318E-10	-0.2008	hypo	sig	chr5_133468288
chr1	2342456	2342456	+	2.675E-11	2.3328E-10	-0.20855	hypo	sig	chr1_2342456
chr16	75224872	75224872	+	2.679E-11	2.3364E-10	-0.22837	hypo	sig	chr16_75224872
chr7	1218932	1218932	+	2.683E-11	2.3395E-10	0.282942	hyper	sig	chr7_1218932
chr13	22936026	22936026	+	2.683E-11	2.3395E-10	-0.22651	hypo	sig	chr13_22936026
chr11	1.32E+08	131691862	+	2.683E-11	2.3395E-10	0.236575	hyper	sig	chr11_131691862
chr19	22634527	22634527	+	2.685E-11	2.3414E-10	0.273614	hyper	sig	chr19_22634527
chr12	1.29E+08	128933019	+	2.686E-11	2.3424E-10	-0.29863	hypo	sig	chr12_128933019
chr19	41904368	41904368	+	2.688E-11	2.3433E-10	-0.24649	hypo	sig	chr19_41904368
chr19	48747195	48747195	+	2.689E-11	2.3445E-10	0.229129	hyper	sig	chr19_48747195
chr19	617195	617195	+	2.69E-11	2.3455E-10	-0.21419	hypo	sig	chr19_617195
chr2	1.13E+08	113275948	+	2.69E-11	2.3458E-10	0.217923	hyper	sig	chr2_113275948
chr17	81992318	81992318	+	2.692E-11	2.3469E-10	0.30344	hyper	sig	chr17_81992318
chr10	98445899	98445899	+	2.692E-11	2.3469E-10	0.227257	hyper	sig	chr10_98445899
chr10	1474907	1474907	+	2.692E-11	2.3473E-10	0.219664	hyper	sig	chr10_1474907
chr6	1.46E+08	146434492	+	2.693E-11	2.348E-10	0.286925	hyper	sig	chr6_146434492
chr2	2.35E+08	234796175	+	2.694E-11	2.3488E-10	0.242	hyper	sig	chr2_234796175
chr19	35959643	35959643	+	2.695E-11	2.3494E-10	0.265771	hyper	sig	chr19_35959643
chr1	2073644	2073644	+	2.695E-11	2.3495E-10	0.25406	hyper	sig	chr1_2073644
chr6	27681051	27681051	+	2.696E-11	2.3504E-10	0.228881	hyper	sig	chr6_27681051
chr15	24773028	24773028	+	2.698E-11	2.3521E-10	0.229345	hyper	sig	chr15_24773028
chr15	41403101	41403101	+	2.698E-11	2.3521E-10	-0.21258	hypo	sig	chr15_41403101
chr17	715824	715824	+	2.698E-11	2.3521E-10	-0.22611	hypo	sig	chr17_715824
chr2	1.19E+08	118849589	+	2.7E-11	2.3533E-10	0.204706	hyper	sig	chr2_118849589
chr20	62568944	62568944	+	2.7E-11	2.3533E-10	-0.20366	hypo	sig	chr20_62568944
chr8	98949289	98949289	+	2.7E-11	2.3533E-10	0.253208	hyper	sig	chr8_98949289
chr3	1.28E+08	128491043	+	2.702E-11	2.3549E-10	0.290171	hyper	sig	chr3_128491043
chr7	1.28E+08	128241321	+	2.702E-11	2.3551E-10	0.272105	hyper	sig	chr7_128241321
chr3	53498958	53498958	+	2.703E-11	2.3561E-10	0.218625	hyper	sig	chr3_53498958
chr6	10411172	10411172	+	2.703E-11	2.3563E-10	0.224116	hyper	sig	chr6_10411172
chr19	53978335	53978335	+	2.705E-11	2.3574E-10	0.31313	hyper	sig	chr19_53978335
chr2	1.98E+08	197706846	+	2.705E-11	2.3576E-10	-0.20693	hypo	sig	chr2_197706846
chr5	1.26E+08	126465072	+	2.708E-11	2.3598E-10	-0.23505	hypo	sig	chr5_126465072
chr1	2.36E+08	236394166	+	2.71E-11	2.3614E-10	-0.21675	hypo	sig	chr1_236394166
chr2	1.13E+08	113117800	+	2.711E-11	2.3628E-10	-0.22686	hypo	sig	chr2_113117800
chr9	4794083	4794083	+	2.713E-11	2.3647E-10	-0.27994	hypo	sig	chr9_4794083
chr1	3747215	3747215	+	2.715E-11	2.3657E-10	0.217663	hyper	sig	chr1_3747215
chr12	53931117	53931117	+	2.715E-11	2.3659E-10	0.214319	hyper	sig	chr12_53931117
chr13	25301131	25301131	+	2.715E-11	2.3659E-10	0.268387	hyper	sig	chr13_25301131
chr5	1.75E+08	174732358	+	2.716E-11	2.3671E-10	0.287612	hyper	sig	chr5_174732358
chr7	15685910	15685910	+	2.718E-11	2.3686E-10	0.219412	hyper	sig	chr7_15685910

chr8	1376250	1376250	+	2.72E-11	2.3698E-10	0.211775	hyper	sig	chr8_1376250
chr20	38724379	38724379	+	2.72E-11	2.3702E-10	0.376421	hyper	sig	chr20_38724379
chr21	42684778	42684778	+	2.72E-11	2.3705E-10	-0.25988	hypo	sig	chr21_42684778
chr6	1.69E+08	168574862	+	2.723E-11	2.3728E-10	0.29594	hyper	sig	chr6_168574862
chr19	49133002	49133002	+	2.724E-11	2.3736E-10	0.246276	hyper	sig	chr19_49133002
chr7	1.28E+08	128168429	+	2.725E-11	2.374E-10	0.206733	hyper	sig	chr7_128168429
chr2	48755595	48755595	+	2.725E-11	2.3741E-10	0.201402	hyper	sig	chr2_48755595
chr7	1.58E+08	157574958	+	2.726E-11	2.3751E-10	-0.25478	hypo	sig	chr7_157574958
chr10	1.34E+08	133560298	+	2.726E-11	2.3754E-10	-0.21306	hypo	sig	chr10_133560298
chr19	39195971	39195971	+	2.727E-11	2.3757E-10	-0.22275	hypo	sig	chr19_39195971
chr3	47580307	47580307	+	2.727E-11	2.3759E-10	-0.21743	hypo	sig	chr3_47580307
chr8	54455013	54455013	+	2.731E-11	2.3791E-10	0.236076	hyper	sig	chr8_54455013
chr17	78324835	78324835	+	2.732E-11	2.38E-10	0.206514	hyper	sig	chr17_78324835
chr10	97936456	97936456	+	2.734E-11	2.3814E-10	-0.24212	hypo	sig	chr10_97936456
chr16	89297361	89297361	+	2.735E-11	2.3829E-10	0.200443	hyper	sig	chr16_89297361
chr10	7269538	7269538	+	2.736E-11	2.3833E-10	0.225336	hyper	sig	chr10_7269538
chr6	1.68E+08	168373140	+	2.736E-11	2.3835E-10	-0.27276	hypo	sig	chr6_168373140
chr11	22432833	22432833	+	2.739E-11	2.3862E-10	0.27577	hyper	sig	chr11_22432833
chr9	22447680	22447680	+	2.739E-11	2.3863E-10	0.257875	hyper	sig	chr9_22447680
chr3	1.28E+08	128493400	+	2.74E-11	2.3864E-10	0.306024	hyper	sig	chr3_128493400
chr20	21705615	21705615	+	2.74E-11	2.3868E-10	0.26327	hyper	sig	chr20_21705615
chr15	98514565	98514565	+	2.74E-11	2.3868E-10	-0.20306	hypo	sig	chr15_98514565
chr22	30078926	30078926	+	2.744E-11	2.3898E-10	-0.22731	hypo	sig	chr22_30078926
chr9	1.34E+08	133674270	+	2.745E-11	2.3911E-10	-0.27011	hypo	sig	chr9_133674270
chr5	1.34E+08	134115769	+	2.748E-11	2.3938E-10	-0.21556	hypo	sig	chr5_134115769
chr9	1.37E+08	137294059	+	2.749E-11	2.3941E-10	-0.2377	hypo	sig	chr9_137294059
chr19	37790778	37790778	+	2.75E-11	2.3949E-10	0.250666	hyper	sig	chr19_37790778
chr18	26547314	26547314	+	2.752E-11	2.3963E-10	0.232777	hyper	sig	chr18_26547314
chr16	1266542	1266542	+	2.756E-11	2.4001E-10	-0.21438	hypo	sig	chr16_1266542
chr7	4266134	4266134	+	2.758E-11	2.4014E-10	-0.29284	hypo	sig	chr7_4266134
chr3	1.26E+08	126267854	+	2.758E-11	2.4021E-10	0.278492	hyper	sig	chr3_126267854
chr7	74659984	74659984	+	2.759E-11	2.4023E-10	-0.23037	hypo	sig	chr7_74659984
chr6	98844501	98844501	+	2.759E-11	2.4029E-10	0.2093	hyper	sig	chr6_98844501
chr3	1.34E+08	133674104	+	2.76E-11	2.403E-10	0.20684	hyper	sig	chr3_133674104
chr16	1135407	1135407	+	2.762E-11	2.4049E-10	-0.23062	hypo	sig	chr16_1135407
chr4	1.88E+08	188159729	+	2.762E-11	2.4053E-10	-0.26985	hypo	sig	chr4_188159729
chr4	1503414	1503414	+	2.764E-11	2.4069E-10	-0.2109	hypo	sig	chr4_1503414
chr6	32184324	32184324	+	2.765E-11	2.4074E-10	0.255128	hyper	sig	chr6_32184324
chr17	17561848	17561848	+	2.766E-11	2.4084E-10	-0.22385	hypo	sig	chr17_17561848
chr16	1992658	1992658	+	2.769E-11	2.4111E-10	0.257755	hyper	sig	chr16_1992658
chr9	1.37E+08	136986049	+	2.77E-11	2.4115E-10	0.255571	hyper	sig	chr9_136986049
chr13	1.1E+08	110484858	+	2.771E-11	2.4124E-10	-0.30958	hypo	sig	chr13_110484858
chr19	40398820	40398820	+	2.772E-11	2.4135E-10	0.232689	hyper	sig	chr19_40398820
chr4	54231413	54231413	+	2.772E-11	2.4136E-10	0.202856	hyper	sig	chr4_54231413
chr12	57236600	57236600	+	2.773E-11	2.4146E-10	0.222822	hyper	sig	chr12_57236600
chr2	637501	637501	+	2.775E-11	2.4161E-10	-0.23429	hypo	sig	chr2_637501
chr12	1.13E+08	113112289	+	2.775E-11	2.4163E-10	0.232372	hyper	sig	chr12_113112289
chr1	1.91E+08	191026281	+	2.777E-11	2.4179E-10	-0.2112	hypo	sig	chr1_191026281
chr11	69005640	69005640	+	2.779E-11	2.4191E-10	0.213548	hyper	sig	chr11_69005640
chr18	37398128	37398128	+	2.78E-11	2.4205E-10	-0.23274	hypo	sig	chr18_37398128
chr17	81250417	81250417	+	2.782E-11	2.4217E-10	-0.20879	hypo	sig	chr17_81250417
chr6	1.68E+08	167793160	+	2.782E-11	2.4219E-10	-0.20347	hypo	sig	chr6_167793160
chr4	1.47E+08	147480947	+	2.789E-11	2.428E-10	0.232173	hyper	sig	chr4_147480947
chr18	76024	76024	+	2.79E-11	2.4282E-10	0.275011	hyper	sig	chr18_76024
chr1	27522707	27522707	+	2.79E-11	2.4288E-10	0.209854	hyper	sig	chr1_27522707
chr14	19008300	19008300	+	2.792E-11	2.4303E-10	-0.2329	hypo	sig	chr14_19008300

chr16	56663030	56663030	+	2.796E-11	2.4338E-10	0.361304	hyper	sig	chr16_56663030
chr21	18245552	18245552	+	2.798E-11	2.4348E-10	0.248953	hyper	sig	chr21_18245552
chr14	71935902	71935902	+	2.798E-11	2.4352E-10	-0.22007	hypo	sig	chr14_71935902
chr11	3215591	3215591	+	2.801E-11	2.4373E-10	-0.23761	hypo	sig	chr11_3215591
chr7	20793398	20793398	+	2.801E-11	2.4379E-10	0.312805	hyper	sig	chr7_20793398
chr13	36346676	36346676	+	2.802E-11	2.4384E-10	0.215458	hyper	sig	chr13_36346676
chr11	1.23E+08	123358351	+	2.802E-11	2.4387E-10	0.209183	hyper	sig	chr11_123358351
chr19	57583737	57583737	+	2.807E-11	2.4423E-10	0.214088	hyper	sig	chr19_57583737
chr1	36321596	36321596	+	2.807E-11	2.4425E-10	0.308267	hyper	sig	chr1_36321596
chr20	24471254	24471254	+	2.807E-11	2.4429E-10	0.20345	hyper	sig	chr20_24471254
chr16	85574020	85574020	+	2.809E-11	2.4447E-10	0.213883	hyper	sig	chr16_85574020
chr9	1.29E+08	128688417	+	2.813E-11	2.4479E-10	-0.23407	hypo	sig	chr9_128688417
chr6	34155451	34155451	+	2.814E-11	2.4484E-10	0.255733	hyper	sig	chr6_34155451
chr10	26392485	26392485	+	2.815E-11	2.4495E-10	-0.28766	hypo	sig	chr10_26392485
chr2	5695950	5695950	+	2.816E-11	2.4501E-10	0.330877	hyper	sig	chr2_5695950
chr12	48528690	48528690	+	2.819E-11	2.4524E-10	-0.25472	hypo	sig	chr12_48528690
chr6	30127397	30127397	+	2.819E-11	2.4531E-10	0.224011	hyper	sig	chr6_30127397
chr5	1194099	1194099	+	2.821E-11	2.4547E-10	-0.32162	hypo	sig	chr5_1194099
chr11	69655135	69655135	+	2.823E-11	2.4558E-10	-0.27601	hypo	sig	chr11_69655135
chr12	1.3E+08	130447607	+	2.823E-11	2.4565E-10	-0.22972	hypo	sig	chr12_130447607
chr19	58563627	58563627	+	2.824E-11	2.4571E-10	0.204188	hyper	sig	chr19_58563627
chr2	1.64E+08	163735879	+	2.825E-11	2.4581E-10	0.313785	hyper	sig	chr2_163735879
chr1	27012487	27012487	+	2.827E-11	2.4594E-10	0.204058	hyper	sig	chr1_27012487
chr7	2082641	2082641	+	2.831E-11	2.4626E-10	0.277057	hyper	sig	chr7_2082641
chr14	23372545	23372545	+	2.834E-11	2.4655E-10	-0.25219	hypo	sig	chr14_23372545
chr22	39284552	39284552	+	2.834E-11	2.4655E-10	-0.21435	hypo	sig	chr22_39284552
chr2	1539477	1539477	+	2.835E-11	2.4657E-10	-0.21161	hypo	sig	chr2_1539477
chr3	23202187	23202187	+	2.835E-11	2.466E-10	-0.23878	hypo	sig	chr3_23202187
chr9	1.33E+08	132586511	+	2.841E-11	2.4716E-10	0.262707	hyper	sig	chr9_132586511
chr1	1.81E+08	181486109	+	2.842E-11	2.4724E-10	0.220832	hyper	sig	chr1_181486109
chr1	1.1E+08	110112608	+	2.844E-11	2.4741E-10	-0.20747	hypo	sig	chr1_110112608
chr16	29901595	29901595	+	2.845E-11	2.4742E-10	0.20473	hyper	sig	chr16_29901595
chr14	56810148	56810148	+	2.846E-11	2.4754E-10	0.297555	hyper	sig	chr14_56810148
chr3	62370445	62370445	+	2.846E-11	2.4756E-10	0.274555	hyper	sig	chr3_62370445
chr7	20776758	20776758	+	2.847E-11	2.4757E-10	0.20382	hyper	sig	chr7_20776758
chr19	19861259	19861259	+	2.848E-11	2.4765E-10	0.222779	hyper	sig	chr19_19861259
chr17	18982085	18982085	+	2.848E-11	2.4772E-10	-0.20929	hypo	sig	chr17_18982085
chr18	11755793	11755793	+	2.849E-11	2.4781E-10	-0.22056	hypo	sig	chr18_11755793
chr2	2.42E+08	241666139	+	2.85E-11	2.4782E-10	0.212815	hyper	sig	chr2_241666139
chr12	1.32E+08	132143325	+	2.851E-11	2.4791E-10	-0.21724	hypo	sig	chr12_132143325
chr8	57211827	57211827	+	2.853E-11	2.4814E-10	-0.21074	hypo	sig	chr8_57211827
chr14	20468890	20468890	+	2.853E-11	2.4814E-10	0.224995	hyper	sig	chr14_20468890
chr3	62377388	62377388	+	2.855E-11	2.4828E-10	0.238387	hyper	sig	chr3_62377388
chr17	5116443	5116443	+	2.856E-11	2.4833E-10	0.267711	hyper	sig	chr17_5116443
chr16	88151251	88151251	+	2.856E-11	2.4839E-10	-0.21301	hypo	sig	chr16_88151251
chr2	60298479	60298479	+	2.857E-11	2.4844E-10	-0.20013	hypo	sig	chr2_60298479
chr22	32193357	32193357	+	2.858E-11	2.4854E-10	-0.22213	hypo	sig	chr22_32193357
chr4	5890558	5890558	+	2.859E-11	2.4862E-10	0.270179	hyper	sig	chr4_5890558
chr6	1.25E+08	125154965	+	2.859E-11	2.4863E-10	-0.22987	hypo	sig	chr6_125154965
chr7	1.59E+08	158957553	+	2.86E-11	2.4867E-10	-0.27106	hypo	sig	chr7_158957553
chr12	62191423	62191423	+	2.86E-11	2.487E-10	0.268814	hyper	sig	chr12_62191423
chr17	50781347	50781347	+	2.862E-11	2.4885E-10	0.217883	hyper	sig	chr17_50781347
chr1	58252835	58252835	+	2.866E-11	2.4916E-10	-0.22874	hypo	sig	chr1_58252835
chr14	90518204	90518204	+	2.866E-11	2.492E-10	0.258908	hyper	sig	chr14_90518204
chr19	32718505	32718505	+	2.869E-11	2.4939E-10	-0.20962	hypo	sig	chr19_32718505
chr18	79524550	79524550	+	2.872E-11	2.4967E-10	-0.25379	hypo	sig	chr18_79524550

chr9	1.31E+08	131023064	+	2.872E-11	2.497E-10	-0.21407	hypo	sig	chr9_131023064
chr5	1295616	1295616	+	2.873E-11	2.4973E-10	0.229352	hyper	sig	chr5_1295616
chr1	17551001	17551001	+	2.875E-11	2.4991E-10	-0.23242	hypo	sig	chr1_17551001
chr14	21101389	21101389	+	2.875E-11	2.4994E-10	-0.27518	hypo	sig	chr14_21101389
chr8	64378341	64378341	+	2.875E-11	2.4994E-10	0.279384	hyper	sig	chr8_64378341
chr3	62371462	62371462	+	2.878E-11	2.502E-10	0.286916	hyper	sig	chr3_62371462
chr2	3535962	3535962	+	2.88E-11	2.5033E-10	0.222404	hyper	sig	chr2_3535962
chr19	50943738	50943738	+	2.88E-11	2.5034E-10	-0.25368	hypo	sig	chr19_50943738
chr10	1.23E+08	123148176	+	2.881E-11	2.5039E-10	0.208199	hyper	sig	chr10_123148176
chr1	44118852	44118852	+	2.883E-11	2.5057E-10	-0.21765	hypo	sig	chr1_44118852
chr15	24878183	24878183	+	2.884E-11	2.5064E-10	0.2149	hyper	sig	chr15_24878183
chr4	6657650	6657650	+	2.884E-11	2.5067E-10	0.206047	hyper	sig	chr4_6657650
chr8	26051630	26051630	+	2.885E-11	2.5073E-10	0.218684	hyper	sig	chr8_26051630
chr19	19668185	19668185	+	2.886E-11	2.5086E-10	-0.22601	hypo	sig	chr19_19668185
chr5	1.41E+08	141201240	+	2.888E-11	2.5099E-10	0.271291	hyper	sig	chr5_141201240
chr12	15221261	15221261	+	2.889E-11	2.5107E-10	0.222468	hyper	sig	chr12_15221261
chr16	268619	268619	+	2.893E-11	2.5142E-10	-0.38448	hypo	sig	chr16_268619
chr19	10354225	10354225	+	2.894E-11	2.5147E-10	0.218684	hyper	sig	chr19_10354225
chr6	1.68E+08	168302067	+	2.894E-11	2.5147E-10	-0.23785	hypo	sig	chr6_168302067
chr4	42152949	42152949	+	2.894E-11	2.5148E-10	0.225676	hyper	sig	chr4_42152949
chr1	2.24E+08	224175728	+	2.895E-11	2.5156E-10	0.291223	hyper	sig	chr1_224175728
chr4	5566406	5566406	+	2.896E-11	2.5167E-10	-0.20154	hypo	sig	chr4_5566406
chr4	41882523	41882523	+	2.897E-11	2.5172E-10	0.23845	hyper	sig	chr4_41882523
chr10	1.15E+08	115094292	+	2.897E-11	2.5172E-10	0.205879	hyper	sig	chr10_115094292
chr8	1.45E+08	144504326	+	2.898E-11	2.5178E-10	0.24243	hyper	sig	chr8_144504326
chr1	2.07E+08	207495963	+	2.899E-11	2.5186E-10	0.224435	hyper	sig	chr1_207495963
chr1	2803388	2803388	+	2.899E-11	2.5188E-10	-0.24131	hypo	sig	chr1_2803388
chr17	20375743	20375743	+	2.901E-11	2.5209E-10	-0.28403	hypo	sig	chr17_20375743
chr21	44428076	44428076	+	2.903E-11	2.522E-10	-0.2261	hypo	sig	chr21_44428076
chr9	1.35E+08	135104472	+	2.904E-11	2.5226E-10	-0.27669	hypo	sig	chr9_135104472
chr19	12155671	12155671	+	2.904E-11	2.5229E-10	0.225008	hyper	sig	chr19_12155671
chr4	1309640	1309640	+	2.906E-11	2.5247E-10	0.332785	hyper	sig	chr4_1309640
chr16	88817023	88817023	+	2.907E-11	2.5258E-10	-0.23721	hypo	sig	chr16_88817023
chr2	2.35E+08	234500511	+	2.908E-11	2.5262E-10	-0.20277	hypo	sig	chr2_234500511
chr20	51003839	51003839	+	2.909E-11	2.5272E-10	-0.27579	hypo	sig	chr20_51003839
chr6	3825648	3825648	+	2.909E-11	2.5273E-10	0.240446	hyper	sig	chr6_3825648
chr2	1.21E+08	120863916	+	2.91E-11	2.5279E-10	-0.27011	hypo	sig	chr2_120863916
chr5	1.4E+08	140345684	+	2.91E-11	2.5281E-10	-0.25267	hypo	sig	chr5_140345684
chr10	35128235	35128235	+	2.912E-11	2.5295E-10	-0.20713	hypo	sig	chr10_35128235
chr4	9692169	9692169	+	2.913E-11	2.5303E-10	0.202632	hyper	sig	chr4_9692169
chr5	2755999	2755999	+	2.915E-11	2.5319E-10	0.220922	hyper	sig	chr5_2755999
chr17	41315688	41315688	+	2.915E-11	2.5321E-10	0.20015	hyper	sig	chr17_41315688
chr2	2.42E+08	241926861	+	2.916E-11	2.5326E-10	-0.21323	hypo	sig	chr2_241926861
chr12	55935852	55935852	+	2.916E-11	2.5327E-10	0.262045	hyper	sig	chr12_55935852
chr19	837456	837456	+	2.919E-11	2.5355E-10	-0.24919	hypo	sig	chr19_837456
chr6	1.08E+08	108171067	+	2.919E-11	2.5357E-10	0.297895	hyper	sig	chr6_108171067
chr1	2.28E+08	228287815	+	2.923E-11	2.539E-10	-0.23796	hypo	sig	chr1_228287815
chr1	22592594	22592594	+	2.925E-11	2.5405E-10	-0.21615	hypo	sig	chr1_22592594
chr19	53058650	53058650	+	2.926E-11	2.5409E-10	0.200391	hyper	sig	chr19_53058650
chr2	8543782	8543782	+	2.927E-11	2.5419E-10	-0.23322	hypo	sig	chr2_8543782
chr9	1.33E+08	132576108	+	2.929E-11	2.5433E-10	-0.33775	hypo	sig	chr9_132576108
chr19	4769086	4769086	+	2.93E-11	2.5442E-10	0.22485	hyper	sig	chr19_4769086
chr20	46021641	46021641	+	2.934E-11	2.5476E-10	0.215763	hyper	sig	chr20_46021641
chr7	44238710	44238710	+	2.935E-11	2.5487E-10	-0.21885	hypo	sig	chr7_44238710
chr19	43187872	43187872	+	2.938E-11	2.5509E-10	-0.2969	hypo	sig	chr19_43187872
chr15	26967756	26967756	+	2.939E-11	2.5522E-10	0.310219	hyper	sig	chr15_26967756

chr12	34375557	34375557	+	2.942E-11	2.5541E-10	-0.23971	hypo	sig	chr12_34375557
chr6	1.7E+08	170110651	+	2.942E-11	2.5543E-10	-0.20234	hypo	sig	chr6_170110651
chr10	50024864	50024864	+	2.944E-11	2.5558E-10	0.20855	hyper	sig	chr10_50024864
chr1	42956666	42956666	+	2.944E-11	2.5563E-10	-0.21294	hypo	sig	chr1_42956666
chr17	182128	182128	+	2.945E-11	2.5567E-10	0.252473	hyper	sig	chr17_182128
chr8	1.42E+08	142146407	+	2.945E-11	2.5571E-10	-0.21145	hypo	sig	chr8_142146407
chr12	1.32E+08	132203232	+	2.946E-11	2.558E-10	-0.28275	hypo	sig	chr12_132203232
chr16	1099450	1099450	+	2.947E-11	2.5582E-10	-0.22638	hypo	sig	chr16_1099450
chr2	1.05E+08	104857998	+	2.948E-11	2.5592E-10	0.264332	hyper	sig	chr2_104857998
chr1	2.01E+08	200892157	+	2.948E-11	2.5597E-10	-0.24425	hypo	sig	chr1_200892157
chr1	1.47E+08	147072549	+	2.951E-11	2.5618E-10	0.202758	hyper	sig	chr1_147072549
chr8	64371106	64371106	+	2.951E-11	2.562E-10	0.21448	hyper	sig	chr8_64371106
chr5	1.41E+08	141157375	+	2.953E-11	2.5635E-10	0.231967	hyper	sig	chr5_141157375
chr18	57122052	57122052	+	2.954E-11	2.5641E-10	0.25	hyper	sig	chr18_57122052
chr18	26133827	26133827	+	2.957E-11	2.5666E-10	0.206479	hyper	sig	chr18_26133827
chr9	1.37E+08	136662102	+	2.957E-11	2.5666E-10	-0.324	hypo	sig	chr9_136662102
chr14	1.05E+08	104687100	+	2.959E-11	2.5688E-10	-0.20679	hypo	sig	chr14_104687100
chr13	1.12E+08	112053525	+	2.961E-11	2.5704E-10	0.231672	hyper	sig	chr13_112053525
chr5	1.35E+08	135027743	+	2.964E-11	2.5727E-10	0.282764	hyper	sig	chr5_135027743
chr1	16532818	16532818	+	2.964E-11	2.573E-10	0.280494	hyper	sig	chr1_16532818
chr17	1752914	1752914	+	2.965E-11	2.573E-10	-0.24782	hypo	sig	chr17_1752914
chr17	2924320	2924320	+	2.965E-11	2.5737E-10	0.216024	hyper	sig	chr17_2924320
chr15	90868358	90868358	+	2.967E-11	2.575E-10	-0.22851	hypo	sig	chr15_90868358
chr1	1.52E+08	152115368	+	2.967E-11	2.575E-10	-0.26747	hypo	sig	chr1_152115368
chr6	37650286	37650286	+	2.968E-11	2.5758E-10	0.217294	hyper	sig	chr6_37650286
chr11	2267893	2267893	+	2.972E-11	2.5793E-10	-0.24704	hypo	sig	chr11_2267893
chr7	1.5E+08	150048029	+	2.974E-11	2.5813E-10	0.219896	hyper	sig	chr7_150048029
chr2	660856	660856	+	2.976E-11	2.5821E-10	0.236222	hyper	sig	chr2_660856
chr9	1.28E+08	127536006	+	2.976E-11	2.5824E-10	0.214333	hyper	sig	chr9_127536006
chr1	16872215	16872215	+	2.976E-11	2.5825E-10	0.211336	hyper	sig	chr1_16872215
chr19	708535	708535	+	2.976E-11	2.5825E-10	0.305162	hyper	sig	chr19_708535
chr13	20391820	20391820	+	2.977E-11	2.5829E-10	-0.30369	hypo	sig	chr13_20391820
chr2	95053647	95053647	+	2.978E-11	2.5843E-10	0.22122	hyper	sig	chr2_95053647
chr4	1.74E+08	174217969	+	2.98E-11	2.5855E-10	0.215271	hyper	sig	chr4_174217969
chr10	1.04E+08	103661109	+	2.981E-11	2.5866E-10	0.245116	hyper	sig	chr10_103661109
chr14	1.02E+08	102096528	+	2.982E-11	2.5873E-10	0.278479	hyper	sig	chr14_102096528
chr20	3168849	3168849	+	2.982E-11	2.5874E-10	-0.21115	hypo	sig	chr20_3168849
chr7	94664881	94664881	+	2.982E-11	2.5875E-10	-0.23545	hypo	sig	chr7_94664881
chr12	1.31E+08	131009371	+	2.982E-11	2.5876E-10	-0.33736	hypo	sig	chr12_131009371
chr2	1.3E+08	130213434	+	2.983E-11	2.5881E-10	0.206836	hyper	sig	chr2_130213434
chr14	96668792	96668792	+	2.984E-11	2.5893E-10	-0.24621	hypo	sig	chr14_96668792
chr2	2.33E+08	233480494	+	2.985E-11	2.5897E-10	0.206262	hyper	sig	chr2_233480494
chr10	1.01E+08	101061948	+	2.985E-11	2.5901E-10	-0.23474	hypo	sig	chr10_101061948
chr8	38613105	38613105	+	2.986E-11	2.5905E-10	0.279322	hyper	sig	chr8_38613105
chr5	1.41E+08	141078007	+	2.986E-11	2.5908E-10	0.226569	hyper	sig	chr5_141078007
chr22	46268536	46268536	+	2.987E-11	2.5918E-10	-0.22949	hypo	sig	chr22_46268536
chr10	93060323	93060323	+	2.988E-11	2.5919E-10	0.242324	hyper	sig	chr10_93060323
chr17	77320320	77320320	+	2.988E-11	2.592E-10	0.242642	hyper	sig	chr17_77320320
chr1	1130736	1130736	+	2.989E-11	2.5933E-10	-0.2662	hypo	sig	chr1_1130736
chr3	94937495	94937495	+	2.989E-11	2.5934E-10	-0.23943	hypo	sig	chr3_94937495
chr21	44666938	44666938	+	2.99E-11	2.5936E-10	-0.20149	hypo	sig	chr21_44666938
chr19	1272934	1272934	+	2.992E-11	2.5955E-10	0.212124	hyper	sig	chr19_1272934
chr18	46559196	46559196	+	2.992E-11	2.5959E-10	-0.21711	hypo	sig	chr18_46559196
chr10	27746357	27746357	+	2.993E-11	2.5963E-10	0.212527	hyper	sig	chr10_27746357
chr9	1.3E+08	129710158	+	2.993E-11	2.5963E-10	-0.26989	hypo	sig	chr9_129710158
chr13	1.13E+08	112995180	+	2.993E-11	2.5966E-10	-0.25595	hypo	sig	chr13_112995180

chr7	2111372	2111372	+	2.995E-11	2.5981E-10	0.219626	hyper	sig	chr7_2111372
chr16	1003002	1003002	+	2.995E-11	2.5982E-10	-0.20068	hypo	sig	chr16_1003002
chr5	1.46E+08	146340319	+	2.997E-11	2.5994E-10	0.235884	hyper	sig	chr5_146340319
chr3	1.84E+08	184491335	+	2.999E-11	2.6016E-10	0.229344	hyper	sig	chr3_184491335
chr6	42178110	42178110	+	3E-11	2.6023E-10	0.259274	hyper	sig	chr6_42178110
chr5	76952812	76952812	+	3.001E-11	2.6028E-10	-0.21211	hypo	sig	chr5_76952812
chr18	59265048	59265048	+	3.005E-11	2.6066E-10	0.214218	hyper	sig	chr18_59265048
chr2	73203614	73203614	+	3.006E-11	2.6071E-10	0.281953	hyper	sig	chr2_73203614
chr7	1.3E+08	130490954	+	3.007E-11	2.6079E-10	0.301832	hyper	sig	chr7_130490954
chr5	68921009	68921009	+	3.007E-11	2.608E-10	-0.2322	hypo	sig	chr5_68921009
chr2	63057689	63057689	+	3.009E-11	2.6094E-10	0.261287	hyper	sig	chr2_63057689
chr7	1.51E+08	150977400	+	3.013E-11	2.6132E-10	0.267749	hyper	sig	chr7_150977400
chr10	1.23E+08	122954694	+	3.013E-11	2.6132E-10	0.206619	hyper	sig	chr10_122954694
chr1	1.19E+08	118988422	+	3.014E-11	2.6135E-10	0.276717	hyper	sig	chr1_118988422
chr17	44383004	44383004	+	3.015E-11	2.6142E-10	-0.30894	hypo	sig	chr17_44383004
chr2	91747351	91747351	+	3.019E-11	2.6175E-10	-0.22414	hypo	sig	chr2_91747351
chr19	56538339	56538339	+	3.019E-11	2.6178E-10	0.222923	hyper	sig	chr19_56538339
chr22	18111520	18111520	+	3.019E-11	2.6179E-10	0.230326	hyper	sig	chr22_18111520
chr10	1.01E+08	101228451	+	3.02E-11	2.6187E-10	0.222399	hyper	sig	chr10_101228451
chr7	4141151	4141151	+	3.021E-11	2.6196E-10	-0.25356	hypo	sig	chr7_4141151
chr22	46111891	46111891	+	3.022E-11	2.6203E-10	0.23839	hyper	sig	chr22_46111891
chr16	85208511	85208511	+	3.023E-11	2.6213E-10	-0.23194	hypo	sig	chr16_85208511
chr21	26846655	26846655	+	3.024E-11	2.6215E-10	0.222433	hyper	sig	chr21_26846655
chr5	3597342	3597342	+	3.025E-11	2.6224E-10	0.35302	hyper	sig	chr5_3597342
chr7	1.28E+08	127589213	+	3.025E-11	2.6225E-10	0.26949	hyper	sig	chr7_127589213
chr16	2209389	2209389	+	3.025E-11	2.6228E-10	0.241553	hyper	sig	chr16_2209389
chr3	1.88E+08	187670078	+	3.026E-11	2.6237E-10	0.239986	hyper	sig	chr3_187670078
chr13	80490681	80490681	+	3.026E-11	2.6237E-10	-0.25038	hypo	sig	chr13_80490681
chr8	1.03E+08	103140499	+	3.027E-11	2.6246E-10	0.30027	hyper	sig	chr8_103140499
chr8	2034789	2034789	+	3.03E-11	2.6266E-10	-0.2247	hypo	sig	chr8_2034789
chr10	1.05E+08	104641621	+	3.032E-11	2.6285E-10	0.267097	hyper	sig	chr10_104641621
chr7	74285105	74285105	+	3.034E-11	2.6303E-10	-0.20407	hypo	sig	chr7_74285105
chr2	96116193	96116193	+	3.034E-11	2.6303E-10	0.298212	hyper	sig	chr2_96116193
chr2	42854341	42854341	+	3.036E-11	2.6315E-10	0.23378	hyper	sig	chr2_42854341
chr5	1.41E+08	140797055	+	3.037E-11	2.6321E-10	0.227324	hyper	sig	chr5_140797055
chr3	26624336	26624336	+	3.037E-11	2.6323E-10	0.279348	hyper	sig	chr3_26624336
chr12	1.32E+08	132203209	+	3.037E-11	2.6326E-10	-0.2833	hypo	sig	chr12_132203209
chr7	2738496	2738496	+	3.038E-11	2.6336E-10	0.218193	hyper	sig	chr7_2738496
chr5	1.16E+08	115962314	+	3.039E-11	2.6338E-10	0.271321	hyper	sig	chr5_115962314
chr20	61952005	61952005	+	3.04E-11	2.6349E-10	0.230092	hyper	sig	chr20_61952005
chr5	1.79E+08	179336319	+	3.04E-11	2.6351E-10	-0.23962	hypo	sig	chr5_179336319
chr2	2.4E+08	240323682	+	3.046E-11	2.6398E-10	-0.22933	hypo	sig	chr2_240323682
chr2	2.13E+08	212721238	+	3.048E-11	2.6416E-10	-0.25853	hypo	sig	chr2_212721238
chr18	50298855	50298855	+	3.048E-11	2.6417E-10	0.25182	hyper	sig	chr18_50298855
chr7	27110752	27110752	+	3.048E-11	2.6419E-10	0.202937	hyper	sig	chr7_27110752
chr13	1.11E+08	111326699	+	3.05E-11	2.6432E-10	-0.24028	hypo	sig	chr13_111326699
chr10	1.03E+08	103470903	+	3.051E-11	2.6445E-10	-0.23617	hypo	sig	chr10_103470903
chr22	17120014	17120014	+	3.053E-11	2.6459E-10	0.320638	hyper	sig	chr22_17120014
chr20	61929711	61929711	+	3.055E-11	2.6475E-10	-0.27056	hypo	sig	chr20_61929711
chr2	27307460	27307460	+	3.055E-11	2.6476E-10	0.290369	hyper	sig	chr2_27307460
chr10	15426813	15426813	+	3.055E-11	2.6478E-10	-0.23214	hypo	sig	chr10_15426813
chr21	42366904	42366904	+	3.057E-11	2.649E-10	-0.22718	hypo	sig	chr21_42366904
chr19	8133006	8133006	+	3.057E-11	2.6491E-10	-0.24737	hypo	sig	chr19_8133006
chr7	1.51E+08	150956027	+	3.059E-11	2.6506E-10	0.220756	hyper	sig	chr7_150956027
chr3	1.54E+08	154122676	+	3.06E-11	2.6516E-10	0.20297	hyper	sig	chr3_154122676
chr18	9474261	9474261	+	3.062E-11	2.653E-10	-0.20598	hypo	sig	chr18_9474261

chr2	73291095	73291095	+	3.062E-11	2.653E-10	0.227483	hyper	sig	chr2_73291095
chr9	1.25E+08	125410545	+	3.063E-11	2.6538E-10	-0.21584	hypo	sig	chr9_125410545
chr2	23663495	23663495	+	3.063E-11	2.6544E-10	0.264527	hyper	sig	chr2_23663495
chr12	53974532	53974532	+	3.065E-11	2.6556E-10	0.226377	hyper	sig	chr12_53974532
chr12	1.32E+08	132323388	+	3.065E-11	2.6559E-10	0.210934	hyper	sig	chr12_132323388
chr12	21942477	21942477	+	3.066E-11	2.6562E-10	-0.21307	hypo	sig	chr12_21942477
chr10	1.31E+08	131084765	+	3.068E-11	2.6585E-10	-0.2465	hypo	sig	chr10_131084765
chr13	94601342	94601342	+	3.069E-11	2.6589E-10	0.22603	hyper	sig	chr13_94601342
chr3	64268006	64268006	+	3.069E-11	2.6589E-10	0.231673	hyper	sig	chr3_64268006
chr1	1.57E+08	156921535	+	3.071E-11	2.6604E-10	-0.20191	hypo	sig	chr1_156921535
chr15	24878211	24878211	+	3.071E-11	2.6607E-10	0.204125	hyper	sig	chr15_24878211
chr1	1599074	1599074	+	3.071E-11	2.6607E-10	0.217439	hyper	sig	chr1_1599074
chr17	82032438	82032438	+	3.071E-11	2.6609E-10	0.26524	hyper	sig	chr17_82032438
chr1	2.36E+08	236064110	+	3.072E-11	2.6615E-10	0.23071	hyper	sig	chr1_236064110
chr17	8913874	8913874	+	3.072E-11	2.6615E-10	-0.23842	hypo	sig	chr17_8913874
chr3	311496	311496	+	3.072E-11	2.6616E-10	-0.20027	hypo	sig	chr3_311496
chr13	52826598	52826598	+	3.075E-11	2.6637E-10	-0.24224	hypo	sig	chr13_52826598
chr17	44558539	44558539	+	3.077E-11	2.6651E-10	0.299947	hyper	sig	chr17_44558539
chr15	1E+08	100373743	+	3.077E-11	2.6657E-10	0.243146	hyper	sig	chr15_100373743
chr10	1.33E+08	133020390	+	3.078E-11	2.6663E-10	0.217532	hyper	sig	chr10_133020390
chr8	1.43E+08	142612954	+	3.079E-11	2.6668E-10	-0.24118	hypo	sig	chr8_142612954
chr7	18087880	18087880	+	3.08E-11	2.6675E-10	0.224277	hyper	sig	chr7_18087880
chr6	34002129	34002129	+	3.08E-11	2.668E-10	0.255993	hyper	sig	chr6_34002129
chr16	49278113	49278113	+	3.083E-11	2.6701E-10	0.246062	hyper	sig	chr16_49278113
chr1	3366306	3366306	+	3.083E-11	2.6704E-10	0.201037	hyper	sig	chr1_3366306
chr16	1255388	1255388	+	3.083E-11	2.6705E-10	-0.23389	hypo	sig	chr16_1255388
chr17	61457605	61457605	+	3.084E-11	2.6708E-10	0.262432	hyper	sig	chr17_61457605
chr10	71218967	71218967	+	3.085E-11	2.672E-10	-0.20284	hypo	sig	chr10_71218967
chr2	2.08E+08	208112237	+	3.086E-11	2.6724E-10	0.302541	hyper	sig	chr2_208112237
chr7	19117945	19117945	+	3.086E-11	2.6725E-10	0.288223	hyper	sig	chr7_19117945
chr1	15156232	15156232	+	3.088E-11	2.6742E-10	0.24406	hyper	sig	chr1_15156232
chr13	1.14E+08	114121644	+	3.089E-11	2.675E-10	-0.21901	hypo	sig	chr13_114121644
chr16	841605	841605	+	3.091E-11	2.677E-10	-0.21112	hypo	sig	chr16_841605
chr17	42543699	42543699	+	3.095E-11	2.6798E-10	0.219728	hyper	sig	chr17_42543699
chr6	28774806	28774806	+	3.098E-11	2.6824E-10	0.247252	hyper	sig	chr6_28774806
chr12	76020249	76020249	+	3.1E-11	2.6843E-10	-0.24684	hypo	sig	chr12_76020249
chr7	181469	181469	+	3.1E-11	2.6844E-10	-0.23951	hypo	sig	chr7_181469
chr10	1.34E+08	133622980	+	3.103E-11	2.6872E-10	0.266459	hyper	sig	chr10_133622980
chr19	43699477	43699477	+	3.103E-11	2.6872E-10	0.245231	hyper	sig	chr19_43699477
chr4	41752108	41752108	+	3.106E-11	2.6891E-10	0.200672	hyper	sig	chr4_41752108
chr8	71846226	71846226	+	3.106E-11	2.6893E-10	0.248466	hyper	sig	chr8_71846226
chr19	52453744	52453744	+	3.107E-11	2.6904E-10	0.305479	hyper	sig	chr19_52453744
chr11	70826829	70826829	+	3.109E-11	2.692E-10	0.207101	hyper	sig	chr11_70826829
chr10	1.32E+08	131617307	+	3.11E-11	2.6925E-10	0.204931	hyper	sig	chr10_131617307
chr1	2207793	2207793	+	3.118E-11	2.6993E-10	0.209362	hyper	sig	chr1_2207793
chr1	2535693	2535693	+	3.118E-11	2.6999E-10	0.240835	hyper	sig	chr1_2535693
chr16	1288323	1288323	+	3.122E-11	2.7029E-10	-0.23446	hypo	sig	chr16_1288323
chr7	1.58E+08	157775531	+	3.122E-11	2.7033E-10	-0.20995	hypo	sig	chr7_157775531
chr10	45000523	45000523	+	3.123E-11	2.7037E-10	-0.20054	hypo	sig	chr10_45000523
chr2	95350069	95350069	+	3.123E-11	2.7041E-10	-0.21048	hypo	sig	chr2_95350069
chr3	1.13E+08	113441298	+	3.124E-11	2.7045E-10	0.239666	hyper	sig	chr3_113441298
chr3	1.58E+08	158098680	+	3.124E-11	2.7045E-10	0.21234	hyper	sig	chr3_158098680
chr16	1534593	1534593	+	3.125E-11	2.7054E-10	0.238448	hyper	sig	chr16_1534593
chr19	42199739	42199739	+	3.126E-11	2.7059E-10	-0.20936	hypo	sig	chr19_42199739
chr19	48747202	48747202	+	3.132E-11	2.711E-10	0.228656	hyper	sig	chr19_48747202
chr7	1574168	1574168	+	3.132E-11	2.7115E-10	-0.23986	hypo	sig	chr7_1574168

chr9	1.37E+08	137438630	+	3.135E-11	2.7136E-10	-0.23826	hypo	sig	chr9_137438630
chr7	1.58E+08	158317434	+	3.136E-11	2.7142E-10	0.204909	hyper	sig	chr7_158317434
chr17	77591390	77591390	+	3.136E-11	2.7143E-10	-0.23613	hypo	sig	chr17_77591390
chr10	1.34E+08	133529689	+	3.137E-11	2.7155E-10	0.234591	hyper	sig	chr10_133529689
chr7	1.5E+08	150372805	+	3.138E-11	2.7159E-10	-0.22292	hypo	sig	chr7_150372805
chr1	54254265	54254265	+	3.138E-11	2.7161E-10	-0.21357	hypo	sig	chr1_54254265
chr12	47817131	47817131	+	3.139E-11	2.7166E-10	0.200201	hyper	sig	chr12_47817131
chr14	1.03E+08	102923905	+	3.14E-11	2.718E-10	0.20256	hyper	sig	chr14_102923905
chr1	1.55E+08	154520552	+	3.144E-11	2.7212E-10	-0.24933	hypo	sig	chr1_154520552
chr11	628603	628603	+	3.144E-11	2.7212E-10	-0.20594	hypo	sig	chr11_628603
chr7	32318666	32318666	+	3.146E-11	2.7228E-10	0.293638	hyper	sig	chr7_32318666
chr22	43209402	43209402	+	3.15E-11	2.7262E-10	-0.22587	hypo	sig	chr22_43209402
chr8	653496	653496	+	3.151E-11	2.7266E-10	-0.26218	hypo	sig	chr8_653496
chr2	1.15E+08	114662638	+	3.154E-11	2.7291E-10	0.205714	hyper	sig	chr2_114662638
chr5	1.81E+08	181114726	+	3.155E-11	2.7299E-10	0.253269	hyper	sig	chr5_181114726
chr18	9707794	9707794	+	3.16E-11	2.734E-10	0.217255	hyper	sig	chr18_9707794
chr19	15471932	15471932	+	3.16E-11	2.7341E-10	0.232431	hyper	sig	chr19_15471932
chr1	2906143	2906143	+	3.16E-11	2.7342E-10	0.215969	hyper	sig	chr1_2906143
chr7	1234481	1234481	+	3.161E-11	2.7351E-10	0.296214	hyper	sig	chr7_1234481
chr1	47444693	47444693	+	3.163E-11	2.7365E-10	0.215125	hyper	sig	chr1_47444693
chr19	53884184	53884184	+	3.163E-11	2.7365E-10	0.27418	hyper	sig	chr19_53884184
chr7	66697816	66697816	+	3.166E-11	2.7389E-10	0.269902	hyper	sig	chr7_66697816
chr9	77014968	77014968	+	3.166E-11	2.7389E-10	0.238417	hyper	sig	chr9_77014968
chr2	1.21E+08	120865378	+	3.166E-11	2.739E-10	-0.21956	hypo	sig	chr2_120865378
chr2	1.05E+08	104659248	+	3.167E-11	2.7403E-10	0.232956	hyper	sig	chr2_104659248
chr2	46914642	46914642	+	3.169E-11	2.742E-10	-0.2255	hypo	sig	chr2_46914642
chr4	52076933	52076933	+	3.17E-11	2.7428E-10	0.239688	hyper	sig	chr4_52076933
chr1	53066985	53066985	+	3.173E-11	2.7451E-10	0.22835	hyper	sig	chr1_53066985
chr14	1.05E+08	105011890	+	3.174E-11	2.7454E-10	0.227471	hyper	sig	chr14_105011890
chr1	1.81E+08	181483919	+	3.174E-11	2.7459E-10	0.209508	hyper	sig	chr1_181483919
chr3	26622102	26622102	+	3.176E-11	2.7477E-10	0.298673	hyper	sig	chr3_26622102
chr15	92473980	92473980	+	3.178E-11	2.7489E-10	0.24094	hyper	sig	chr15_92473980
chr10	1.33E+08	132783485	+	3.178E-11	2.7491E-10	-0.20916	hypo	sig	chr10_132783485
chr9	99306083	99306083	+	3.179E-11	2.7494E-10	-0.20665	hypo	sig	chr9_99306083
chr9	1.36E+08	136250177	+	3.179E-11	2.7495E-10	0.265527	hyper	sig	chr9_136250177
chr19	2428665	2428665	+	3.18E-11	2.7506E-10	0.208355	hyper	sig	chr19_2428665
chr19	55359095	55359095	+	3.184E-11	2.7537E-10	-0.23282	hypo	sig	chr19_55359095
chr5	77642138	77642138	+	3.185E-11	2.7547E-10	0.218562	hyper	sig	chr5_77642138
chr11	17735812	17735812	+	3.185E-11	2.755E-10	0.321122	hyper	sig	chr11_17735812
chr11	655411	655411	+	3.187E-11	2.7564E-10	-0.2483	hypo	sig	chr11_655411
chr10	75047083	75047083	+	3.189E-11	2.758E-10	-0.22959	hypo	sig	chr10_75047083
chr1	63326220	63326220	+	3.19E-11	2.7583E-10	0.208484	hyper	sig	chr1_63326220
chr7	1.57E+08	156615705	+	3.191E-11	2.7592E-10	-0.29876	hypo	sig	chr7_156615705
chr6	1.25E+08	124963525	+	3.192E-11	2.7602E-10	0.236701	hyper	sig	chr6_124963525
chr19	17846297	17846297	+	3.192E-11	2.7603E-10	-0.20519	hypo	sig	chr19_17846297
chr7	5599432	5599432	+	3.193E-11	2.7606E-10	-0.28415	hypo	sig	chr7_5599432
chr7	1244373	1244373	+	3.194E-11	2.7614E-10	0.233478	hyper	sig	chr7_1244373
chr7	5478686	5478686	+	3.194E-11	2.7615E-10	0.311254	hyper	sig	chr7_5478686
chr19	2860193	2860193	+	3.194E-11	2.7616E-10	-0.21836	hypo	sig	chr19_2860193
chr5	1.38E+08	138257802	+	3.197E-11	2.764E-10	0.200325	hyper	sig	chr5_138257802
chr8	1.43E+08	142682099	+	3.197E-11	2.7644E-10	-0.20334	hypo	sig	chr8_142682099
chr8	56445525	56445525	+	3.198E-11	2.7649E-10	0.218076	hyper	sig	chr8_56445525
chr9	1.33E+08	132770642	+	3.2E-11	2.7667E-10	0.240723	hyper	sig	chr9_132770642
chr16	31064297	31064297	+	3.204E-11	2.7695E-10	-0.20335	hypo	sig	chr16_31064297
chr8	1.44E+08	143569888	+	3.206E-11	2.7712E-10	0.214738	hyper	sig	chr8_143569888
chr8	1.42E+08	142499462	+	3.209E-11	2.774E-10	0.274353	hyper	sig	chr8_142499462

chr2	1.31E+08	131036959	+	3.213E-11	2.7776E-10	-0.25918	hypo	sig	chr2_131036959
chr1	16677601	16677601	+	3.214E-11	2.7783E-10	-0.21043	hypo	sig	chr1_16677601
chr16	4263347	4263347	+	3.217E-11	2.7809E-10	0.230778	hyper	sig	chr16_4263347
chr11	59898858	59898858	+	3.219E-11	2.7824E-10	-0.2478	hypo	sig	chr11_59898858
chr3	11015514	11015514	+	3.222E-11	2.7846E-10	-0.23829	hypo	sig	chr3_11015514
chr19	10583236	10583236	+	3.222E-11	2.785E-10	0.201147	hyper	sig	chr19_10583236
chr11	1.03E+08	102768059	+	3.225E-11	2.7874E-10	0.253225	hyper	sig	chr11_102768059
chr5	45695315	45695315	+	3.225E-11	2.7875E-10	0.272325	hyper	sig	chr5_45695315
chr19	56765380	56765380	+	3.227E-11	2.7893E-10	0.209644	hyper	sig	chr19_56765380
chr7	1505740	1505740	+	3.227E-11	2.7894E-10	-0.20533	hypo	sig	chr7_1505740
chr13	24328251	24328251	+	3.228E-11	2.7898E-10	0.216138	hyper	sig	chr13_24328251
chr3	1.42E+08	141797753	+	3.228E-11	2.7898E-10	0.254377	hyper	sig	chr3_141797753
chr10	1.33E+08	132984170	+	3.229E-11	2.7906E-10	0.223811	hyper	sig	chr10_132984170
chr3	1.29E+08	129046651	+	3.229E-11	2.7906E-10	0.257513	hyper	sig	chr3_129046651
chr7	56495479	56495479	+	3.23E-11	2.7913E-10	-0.22862	hypo	sig	chr7_56495479
chr5	1.36E+08	135545972	+	3.233E-11	2.7943E-10	-0.23852	hypo	sig	chr5_135545972
chr17	74546057	74546057	+	3.236E-11	2.7961E-10	-0.22568	hypo	sig	chr17_74546057
chr12	6374655	6374655	+	3.237E-11	2.7974E-10	-0.21751	hypo	sig	chr12_6374655
chr19	40170438	40170438	+	3.239E-11	2.7987E-10	0.21178	hyper	sig	chr19_40170438
chr10	1.17E+08	117138440	+	3.24E-11	2.7997E-10	0.217862	hyper	sig	chr10_117138440
chr4	54231409	54231409	+	3.241E-11	2.8006E-10	0.201006	hyper	sig	chr4_54231409
chr12	1.1E+08	110430206	+	3.242E-11	2.8017E-10	-0.20679	hypo	sig	chr12_110430206
chr3	1.97E+08	196948425	+	3.244E-11	2.8027E-10	0.222784	hyper	sig	chr3_196948425
chr16	85353950	85353950	+	3.245E-11	2.804E-10	-0.20852	hypo	sig	chr16_85353950
chr1	4668735	4668735	+	3.246E-11	2.8043E-10	-0.25646	hypo	sig	chr1_4668735
chr19	15464841	15464841	+	3.246E-11	2.8045E-10	-0.22316	hypo	sig	chr19_15464841
chr16	1176047	1176047	+	3.247E-11	2.805E-10	-0.25118	hypo	sig	chr16_1176047
chr19	58204361	58204361	+	3.249E-11	2.807E-10	0.302198	hyper	sig	chr19_58204361
chr10	1.33E+08	133005611	+	3.25E-11	2.8076E-10	-0.23079	hypo	sig	chr10_133005611
chr17	6424281	6424281	+	3.252E-11	2.8093E-10	-0.2227	hypo	sig	chr17_6424281
chr2	2.22E+08	221570490	+	3.253E-11	2.8102E-10	0.22992	hyper	sig	chr2_221570490
chr11	18791116	18791116	+	3.253E-11	2.8103E-10	0.266379	hyper	sig	chr11_18791116
chr15	36888257	36888257	+	3.253E-11	2.8106E-10	0.248661	hyper	sig	chr15_36888257
chr3	37994474	37994474	+	3.254E-11	2.8112E-10	0.251862	hyper	sig	chr3_37994474
chr19	56477015	56477015	+	3.254E-11	2.8112E-10	0.24672	hyper	sig	chr19_56477015
chr10	1.32E+08	132115457	+	3.255E-11	2.8117E-10	-0.22246	hypo	sig	chr10_132115457
chr17	601751	601751	+	3.256E-11	2.8127E-10	0.270063	hyper	sig	chr17_601751
chr9	1.38E+08	137606948	+	3.257E-11	2.8133E-10	-0.26103	hypo	sig	chr9_137606948
chr4	1.11E+08	110633229	+	3.262E-11	2.8176E-10	0.228112	hyper	sig	chr4_110633229
chr11	67409443	67409443	+	3.263E-11	2.8185E-10	-0.2199	hypo	sig	chr11_67409443
chr10	45303831	45303831	+	3.263E-11	2.8185E-10	-0.25343	hypo	sig	chr10_45303831
chr19	48613166	48613166	+	3.264E-11	2.8194E-10	-0.23375	hypo	sig	chr19_48613166
chr19	2306442	2306442	+	3.266E-11	2.8208E-10	-0.23642	hypo	sig	chr19_2306442
chr14	38210743	38210743	+	3.267E-11	2.8218E-10	0.234191	hyper	sig	chr14_38210743
chr16	1023557	1023557	+	3.272E-11	2.8255E-10	-0.2061	hypo	sig	chr16_1023557
chr11	278394	278394	+	3.276E-11	2.8287E-10	-0.20368	hypo	sig	chr11_278394
chr19	36152765	36152765	+	3.279E-11	2.8313E-10	0.282674	hyper	sig	chr19_36152765
chr1	16759391	16759391	+	3.28E-11	2.832E-10	0.226951	hyper	sig	chr1_16759391
chr8	23226002	23226002	+	3.281E-11	2.8329E-10	-0.30767	hypo	sig	chr8_23226002
chr4	8971792	8971792	+	3.281E-11	2.833E-10	-0.23991	hypo	sig	chr4_8971792
chr6	1.08E+08	108123603	+	3.282E-11	2.8337E-10	0.219043	hyper	sig	chr6_108123603
chr19	48745889	48745889	+	3.282E-11	2.8339E-10	0.224021	hyper	sig	chr19_48745889
chr14	1.04E+08	104094268	+	3.282E-11	2.834E-10	-0.2568	hypo	sig	chr14_104094268
chr12	1.33E+08	132558947	+	3.284E-11	2.8353E-10	-0.28701	hypo	sig	chr12_132558947
chr11	2869375	2869375	+	3.284E-11	2.836E-10	0.202322	hyper	sig	chr11_2869375
chr17	81453187	81453187	+	3.285E-11	2.8364E-10	-0.20853	hypo	sig	chr17_81453187

chr16	84933889	84933889	+	3.286E-11	2.8369E-10	-0.26591	hypo	sig	chr16_84933889
chr14	1.05E+08	104570037	+	3.289E-11	2.8395E-10	-0.22212	hypo	sig	chr14_104570037
chr1	27233559	27233559	+	3.29E-11	2.8408E-10	-0.22372	hypo	sig	chr1_27233559
chr5	1.79E+08	179265787	+	3.293E-11	2.8432E-10	0.264974	hyper	sig	chr5_179265787
chr6	1.7E+08	170179057	+	3.294E-11	2.8437E-10	-0.20645	hypo	sig	chr6_170179057
chr13	64958382	64958382	+	3.298E-11	2.8467E-10	-0.24544	hypo	sig	chr13_64958382
chr21	33024789	33024789	+	3.298E-11	2.8468E-10	0.223673	hyper	sig	chr21_33024789
chr13	25096038	25096038	+	3.298E-11	2.8468E-10	0.21634	hyper	sig	chr13_25096038
chr9	97077408	97077408	+	3.298E-11	2.8469E-10	0.257529	hyper	sig	chr9_97077408
chr11	1.25E+08	125496603	+	3.298E-11	2.8471E-10	0.21875	hyper	sig	chr11_125496603
chr8	48683231	48683231	+	3.298E-11	2.8473E-10	-0.23534	hypo	sig	chr8_48683231
chr17	36464376	36464376	+	3.299E-11	2.8479E-10	0.305648	hyper	sig	chr17_36464376
chr1	21887369	21887369	+	3.3E-11	2.8489E-10	0.223682	hyper	sig	chr1_21887369
chr4	5710825	5710825	+	3.304E-11	2.8517E-10	0.257955	hyper	sig	chr4_5710825
chr8	1956965	1956965	+	3.309E-11	2.8559E-10	0.238936	hyper	sig	chr8_1956965
chr5	73382397	73382397	+	3.313E-11	2.8593E-10	0.219438	hyper	sig	chr5_73382397
chr16	85179258	85179258	+	3.316E-11	2.8624E-10	-0.22285	hypo	sig	chr16_85179258
chr17	5116545	5116545	+	3.317E-11	2.8624E-10	0.228436	hyper	sig	chr17_5116545
chr11	68374049	68374049	+	3.319E-11	2.8649E-10	0.214801	hyper	sig	chr11_68374049
chr3	1.64E+08	164001364	+	3.325E-11	2.8694E-10	-0.23039	hypo	sig	chr3_164001364
chr19	3179428	3179428	+	3.326E-11	2.8703E-10	-0.2432	hypo	sig	chr19_3179428
chr1	4653948	4653948	+	3.329E-11	2.8724E-10	0.273723	hyper	sig	chr1_4653948
chr9	1.37E+08	137022390	+	3.329E-11	2.8724E-10	-0.21444	hypo	sig	chr9_137022390
chr11	62688302	62688302	+	3.332E-11	2.875E-10	0.375743	hyper	sig	chr11_62688302
chr14	20800364	20800364	+	3.334E-11	2.8771E-10	-0.20778	hypo	sig	chr14_20800364
chr1	2.01E+08	201212274	+	3.335E-11	2.8776E-10	-0.2101	hypo	sig	chr1_201212274
chr2	60453629	60453629	+	3.336E-11	2.8784E-10	0.202023	hyper	sig	chr2_60453629
chr13	1.14E+08	114015565	+	3.336E-11	2.8789E-10	-0.28008	hypo	sig	chr13_114015565
chr17	869901	869901	+	3.337E-11	2.8797E-10	0.244029	hyper	sig	chr17_869901
chr12	48970659	48970659	+	3.341E-11	2.8829E-10	0.222723	hyper	sig	chr12_48970659
chr15	24878353	24878353	+	3.342E-11	2.8836E-10	0.259698	hyper	sig	chr15_24878353
chr9	95024553	95024553	+	3.344E-11	2.885E-10	0.24821	hyper	sig	chr9_95024553
chr16	87013479	87013479	+	3.346E-11	2.887E-10	0.355974	hyper	sig	chr16_87013479
chr7	64037284	64037284	+	3.346E-11	2.887E-10	0.26855	hyper	sig	chr7_64037284
chr10	73910677	73910677	+	3.347E-11	2.8879E-10	-0.20595	hypo	sig	chr10_73910677
chr2	27752201	27752201	+	3.348E-11	2.8887E-10	-0.22534	hypo	sig	chr2_27752201
chr22	50178697	50178697	+	3.352E-11	2.8913E-10	0.221249	hyper	sig	chr22_50178697
chr21	45478742	45478742	+	3.354E-11	2.8933E-10	-0.24181	hypo	sig	chr21_45478742
chr5	1.41E+08	141102026	+	3.355E-11	2.8939E-10	0.239095	hyper	sig	chr5_141102026
chr17	82372553	82372553	+	3.355E-11	2.8943E-10	0.222919	hyper	sig	chr17_82372553
chr14	64541332	64541332	+	3.358E-11	2.8963E-10	0.215876	hyper	sig	chr14_64541332
chr8	1.43E+08	142585231	+	3.36E-11	2.898E-10	-0.24742	hypo	sig	chr8_142585231
chr5	1.41E+08	141326617	+	3.361E-11	2.899E-10	0.207558	hyper	sig	chr5_141326617
chr19	15233321	15233321	+	3.361E-11	2.8991E-10	0.234415	hyper	sig	chr19_15233321
chr7	1.58E+08	158317447	+	3.362E-11	2.8998E-10	0.20761	hyper	sig	chr7_158317447
chr2	1.75E+08	175002689	+	3.365E-11	2.9019E-10	-0.20228	hypo	sig	chr2_175002689
chr13	1.12E+08	112353093	+	3.365E-11	2.902E-10	-0.24967	hypo	sig	chr13_112353093
chr9	34371362	34371362	+	3.365E-11	2.9023E-10	0.224075	hyper	sig	chr9_34371362
chr10	618779	618779	+	3.366E-11	2.9031E-10	0.223851	hyper	sig	chr10_618779
chr7	74178844	74178844	+	3.366E-11	2.9032E-10	0.23842	hyper	sig	chr7_74178844
chr3	1.23E+08	123071331	+	3.366E-11	2.9032E-10	0.274725	hyper	sig	chr3_123071331
chr19	46413578	46413578	+	3.368E-11	2.9045E-10	0.223329	hyper	sig	chr19_46413578
chr10	1.22E+08	122463111	+	3.368E-11	2.9047E-10	0.205044	hyper	sig	chr10_122463111
chr7	35454970	35454970	+	3.372E-11	2.9078E-10	0.304284	hyper	sig	chr7_35454970
chr4	41880768	41880768	+	3.375E-11	2.9106E-10	0.205362	hyper	sig	chr4_41880768
chr15	81134512	81134512	+	3.381E-11	2.9159E-10	0.272775	hyper	sig	chr15_81134512

chr11	849168	849168	+	3.385E-11	2.9192E-10	-0.21049	hypo	sig	chr11_849168
chr19	17821384	17821384	+	3.386E-11	2.92E-10	0.275826	hyper	sig	chr19_17821384
chr16	31224274	31224274	+	3.387E-11	2.9205E-10	0.257161	hyper	sig	chr16_31224274
chr5	1.6E+08	159965259	+	3.388E-11	2.9217E-10	-0.23978	hypo	sig	chr5_159965259
chr12	47805494	47805494	+	3.389E-11	2.9221E-10	0.217958	hyper	sig	chr12_47805494
chr8	1.4E+08	139702246	+	3.39E-11	2.9233E-10	0.27862	hyper	sig	chr8_139702246
chr17	81681713	81681713	+	3.391E-11	2.924E-10	0.202154	hyper	sig	chr17_81681713
chr16	68234349	68234349	+	3.392E-11	2.9247E-10	-0.26845	hypo	sig	chr16_68234349
chr16	84043380	84043380	+	3.392E-11	2.9247E-10	-0.21695	hypo	sig	chr16_84043380
chr7	70631133	70631133	+	3.394E-11	2.9265E-10	0.234104	hyper	sig	chr7_70631133
chr11	1.12E+08	111939281	+	3.399E-11	2.9306E-10	0.205854	hyper	sig	chr11_111939281
chr1	1.21E+08	121009771	+	3.4E-11	2.9316E-10	0.236936	hyper	sig	chr1_121009771
chr1	2.47E+08	247173384	+	3.401E-11	2.9322E-10	-0.20243	hypo	sig	chr1_247173384
chr1	1.55E+08	155062518	+	3.402E-11	2.9329E-10	0.206345	hyper	sig	chr1_155062518
chr1	2.1E+08	209937835	+	3.402E-11	2.9329E-10	0.212325	hyper	sig	chr1_209937835
chr16	88497770	88497770	+	3.402E-11	2.9331E-10	0.279359	hyper	sig	chr16_88497770
chr16	89817763	89817763	+	3.403E-11	2.9332E-10	-0.2043	hypo	sig	chr16_89817763
chr19	39891818	39891818	+	3.403E-11	2.9332E-10	0.26007	hyper	sig	chr19_39891818
chr12	6636283	6636283	+	3.403E-11	2.9335E-10	-0.23257	hypo	sig	chr12_6636283
chr7	56495459	56495459	+	3.405E-11	2.9348E-10	-0.22045	hypo	sig	chr7_56495459
chr7	1665364	1665364	+	3.407E-11	2.9366E-10	0.213636	hyper	sig	chr7_1665364
chr13	1.13E+08	113364809	+	3.407E-11	2.937E-10	0.222039	hyper	sig	chr13_113364809
chr19	1254153	1254153	+	3.408E-11	2.9379E-10	0.267708	hyper	sig	chr19_1254153
chr4	10458399	10458399	+	3.409E-11	2.9384E-10	-0.25431	hypo	sig	chr4_10458399
chr7	1.44E+08	143885438	+	3.41E-11	2.9389E-10	0.218043	hyper	sig	chr7_143885438
chr12	1.22E+08	122077426	+	3.41E-11	2.9392E-10	-0.21716	hypo	sig	chr12_122077426
chr9	1.33E+08	132770668	+	3.41E-11	2.9392E-10	0.271214	hyper	sig	chr9_132770668
chr1	2.36E+08	236396266	+	3.412E-11	2.9405E-10	0.20481	hyper	sig	chr1_236396266
chr15	43210791	43210791	+	3.412E-11	2.9411E-10	-0.22524	hypo	sig	chr15_43210791
chr1	1.97E+08	196878089	+	3.413E-11	2.9419E-10	0.213337	hyper	sig	chr1_196878089
chr2	26971506	26971506	+	3.414E-11	2.9422E-10	0.242771	hyper	sig	chr2_26971506
chr17	79423399	79423399	+	3.414E-11	2.9427E-10	-0.26113	hypo	sig	chr17_79423399
chr3	28903274	28903274	+	3.415E-11	2.9434E-10	-0.2753	hypo	sig	chr3_28903274
chr14	37599100	37599100	+	3.416E-11	2.9436E-10	0.295721	hyper	sig	chr14_37599100
chr2	2.4E+08	240351247	+	3.417E-11	2.9445E-10	0.232395	hyper	sig	chr2_240351247
chr16	88393246	88393246	+	3.417E-11	2.9446E-10	-0.20434	hypo	sig	chr16_88393246
chr16	1061808	1061808	+	3.417E-11	2.945E-10	-0.30513	hypo	sig	chr16_1061808
chr2	2.38E+08	238287578	+	3.418E-11	2.9458E-10	0.238599	hyper	sig	chr2_238287578
chr10	1.33E+08	133024510	+	3.419E-11	2.9462E-10	-0.22424	hypo	sig	chr10_133024510
chr3	1.35E+08	134650659	+	3.422E-11	2.9492E-10	0.221914	hyper	sig	chr3_134650659
chr19	38360352	38360352	+	3.427E-11	2.9529E-10	-0.23996	hypo	sig	chr19_38360352
chr1	47444209	47444209	+	3.427E-11	2.9532E-10	0.265889	hyper	sig	chr1_47444209
chr15	90957551	90957551	+	3.427E-11	2.9532E-10	0.265269	hyper	sig	chr15_90957551
chr2	26171633	26171633	+	3.43E-11	2.9551E-10	0.229205	hyper	sig	chr2_26171633
chr11	325074	325074	+	3.43E-11	2.9557E-10	0.23228	hyper	sig	chr11_325074
chr16	85353907	85353907	+	3.435E-11	2.9594E-10	-0.25609	hypo	sig	chr16_85353907
chr3	47010012	47010012	+	3.441E-11	2.9645E-10	0.310209	hyper	sig	chr3_47010012
chr7	1.22E+08	122315751	+	3.443E-11	2.9662E-10	0.214937	hyper	sig	chr7_122315751
chr10	81876618	81876618	+	3.443E-11	2.9663E-10	0.222276	hyper	sig	chr10_81876618
chr12	54047416	54047416	+	3.443E-11	2.9663E-10	0.239052	hyper	sig	chr12_54047416
chr12	1.3E+08	129700769	+	3.446E-11	2.969E-10	-0.24058	hypo	sig	chr12_129700769
chr17	10197794	10197794	+	3.446E-11	2.9691E-10	0.235264	hyper	sig	chr17_10197794
chr9	37434064	37434064	+	3.449E-11	2.971E-10	0.265465	hyper	sig	chr9_37434064
chr2	2.35E+08	234796246	+	3.451E-11	2.9726E-10	0.217474	hyper	sig	chr2_234796246
chr9	1.18E+08	117745155	+	3.452E-11	2.9734E-10	0.214229	hyper	sig	chr9_117745155
chr8	26043968	26043968	+	3.452E-11	2.9736E-10	0.213512	hyper	sig	chr8_26043968

chr14	70187218	70187218	+	3.453E-11	2.9742E-10	0.254877	hyper	sig	chr14_70187218
chr11	27719363	27719363	+	3.455E-11	2.9761E-10	0.202755	hyper	sig	chr11_27719363
chr16	66845951	66845951	+	3.456E-11	2.9769E-10	-0.2303	hypo	sig	chr16_66845951
chr14	51096016	51096016	+	3.457E-11	2.9779E-10	0.204906	hyper	sig	chr14_51096016
chr19	403844	403844	+	3.458E-11	2.9786E-10	-0.21953	hypo	sig	chr19_403844
chr12	1.33E+08	132837974	+	3.458E-11	2.9788E-10	0.231618	hyper	sig	chr12_132837974
chr19	15181805	15181805	+	3.459E-11	2.9796E-10	-0.2475	hypo	sig	chr19_15181805
chr16	84032471	84032471	+	3.463E-11	2.9827E-10	-0.29919	hypo	sig	chr16_84032471
chr10	1.3E+08	129899767	+	3.463E-11	2.983E-10	-0.20426	hypo	sig	chr10_129899767
chr17	77960331	77960331	+	3.464E-11	2.9838E-10	0.221281	hyper	sig	chr17_77960331
chr16	1038454	1038454	+	3.467E-11	2.9857E-10	-0.20708	hypo	sig	chr16_1038454
chr9	1.28E+08	127716835	+	3.47E-11	2.9879E-10	-0.21022	hypo	sig	chr9_127716835
chr10	1.3E+08	129946194	+	3.472E-11	2.9901E-10	0.222505	hyper	sig	chr10_129946194
chr6	15504530	15504530	+	3.474E-11	2.9915E-10	0.274385	hyper	sig	chr6_15504530
chr2	1.76E+08	176083341	+	3.476E-11	2.9934E-10	0.241652	hyper	sig	chr2_176083341
chr6	88170046	88170046	+	3.477E-11	2.994E-10	-0.20195	hypo	sig	chr6_88170046
chr1	1.48E+08	148354487	+	3.48E-11	2.9968E-10	0.222882	hyper	sig	chr1_148354487
chr5	1.79E+08	179052590	+	3.48E-11	2.9969E-10	-0.20316	hypo	sig	chr5_179052590
chr19	51601195	51601195	+	3.487E-11	3.0029E-10	0.270662	hyper	sig	chr19_51601195
chr18	23137084	23137084	+	3.488E-11	3.0036E-10	-0.241	hypo	sig	chr18_23137084
chr5	1.79E+08	179218701	+	3.49E-11	3.0047E-10	-0.26772	hypo	sig	chr5_179218701
chr14	1.01E+08	100547843	+	3.49E-11	3.0051E-10	-0.23161	hypo	sig	chr14_100547843
chr14	36504201	36504201	+	3.491E-11	3.0056E-10	0.233109	hyper	sig	chr14_36504201
chr6	1.34E+08	134176492	+	3.491E-11	3.006E-10	0.21692	hyper	sig	chr6_134176492
chr10	44386935	44386935	+	3.493E-11	3.0076E-10	0.233299	hyper	sig	chr10_44386935
chr12	2679628	2679628	+	3.493E-11	3.0076E-10	-0.21561	hypo	sig	chr12_2679628
chr2	2.08E+08	207771173	+	3.493E-11	3.0076E-10	-0.20474	hypo	sig	chr2_207771173
chr11	1.35E+08	134665289	+	3.494E-11	3.0077E-10	-0.22141	hypo	sig	chr11_134665289
chr18	76784281	76784281	+	3.494E-11	3.0082E-10	-0.22141	hypo	sig	chr18_76784281
chr11	1.17E+08	117478592	+	3.494E-11	3.0082E-10	-0.29175	hypo	sig	chr11_117478592
chr7	1843647	1843647	+	3.495E-11	3.0087E-10	0.213527	hyper	sig	chr7_1843647
chr12	1.01E+08	101209752	+	3.504E-11	3.0166E-10	0.225053	hyper	sig	chr12_101209752
chr6	94511257	94511257	+	3.505E-11	3.0174E-10	-0.29634	hypo	sig	chr6_94511257
chr17	79393954	79393954	+	3.506E-11	3.0178E-10	-0.20479	hypo	sig	chr17_79393954
chr2	11656783	11656783	+	3.507E-11	3.0191E-10	-0.30337	hypo	sig	chr2_11656783
chr2	25229460	25229460	+	3.507E-11	3.0191E-10	0.270236	hyper	sig	chr2_25229460
chr11	3219135	3219135	+	3.508E-11	3.0196E-10	-0.20227	hypo	sig	chr11_3219135
chr13	1.11E+08	111066724	+	3.509E-11	3.0204E-10	0.217919	hyper	sig	chr13_111066724
chr19	3821327	3821327	+	3.509E-11	3.0208E-10	-0.26633	hypo	sig	chr19_3821327
chr16	1108493	1108493	+	3.51E-11	3.0209E-10	-0.22474	hypo	sig	chr16_1108493
chr7	945258	945258	+	3.511E-11	3.0224E-10	-0.24229	hypo	sig	chr7_945258
chr3	12934757	12934757	+	3.514E-11	3.0245E-10	0.290221	hyper	sig	chr3_12934757
chr3	1.84E+08	184338830	+	3.516E-11	3.0262E-10	0.239694	hyper	sig	chr3_184338830
chr9	1.37E+08	136964732	+	3.516E-11	3.0262E-10	-0.29341	hypo	sig	chr9_136964732
chr12	50033102	50033102	+	3.522E-11	3.0308E-10	0.274115	hyper	sig	chr12_50033102
chr2	2.41E+08	240596653	+	3.522E-11	3.0308E-10	0.222365	hyper	sig	chr2_240596653
chr9	1.34E+08	133811980	+	3.524E-11	3.0325E-10	-0.22973	hypo	sig	chr9_133811980
chr1	44118849	44118849	+	3.527E-11	3.0349E-10	-0.21765	hypo	sig	chr1_44118849
chr10	7413374	7413374	+	3.528E-11	3.0362E-10	0.22457	hyper	sig	chr10_7413374
chr19	47021861	47021861	+	3.529E-11	3.0364E-10	0.258852	hyper	sig	chr19_47021861
chr2	1.71E+08	170820278	+	3.529E-11	3.0365E-10	0.215405	hyper	sig	chr2_170820278
chr6	1.69E+08	168571589	+	3.533E-11	3.0398E-10	-0.21543	hypo	sig	chr6_168571589
chr11	655525	655525	+	3.534E-11	3.0411E-10	-0.2439	hypo	sig	chr11_655525
chr19	53255444	53255444	+	3.537E-11	3.0435E-10	0.268524	hyper	sig	chr19_53255444
chr5	1.41E+08	141408315	+	3.539E-11	3.0448E-10	0.234169	hyper	sig	chr5_141408315
chr21	45642651	45642651	+	3.541E-11	3.0463E-10	0.264967	hyper	sig	chr21_45642651

chr11	68798337	68798337	+	3.544E-11	3.0495E-10	0.201627	hyper	sig	chr11_68798337
chr10	1.34E+08	133529730	+	3.545E-11	3.0499E-10	0.2279	hyper	sig	chr10_133529730
chr4	10008268	10008268	+	3.546E-11	3.0505E-10	-0.21454	hypo	sig	chr4_10008268
chr17	63533981	63533981	+	3.548E-11	3.0524E-10	-0.21439	hypo	sig	chr17_63533981
chr1	16532691	16532691	+	3.548E-11	3.0527E-10	0.210719	hyper	sig	chr1_16532691
chr3	1381609	1381609	+	3.549E-11	3.0536E-10	-0.27676	hypo	sig	chr3_1381609
chr12	85279492	85279492	+	3.551E-11	3.0549E-10	0.25339	hyper	sig	chr12_85279492
chr1	1.1E+08	110456840	+	3.555E-11	3.0578E-10	-0.21014	hypo	sig	chr1_110456840
chr12	6963602	6963602	+	3.556E-11	3.0588E-10	-0.24371	hypo	sig	chr12_6963602
chr19	58118831	58118831	+	3.559E-11	3.0612E-10	0.252125	hyper	sig	chr19_58118831
chr19	7873861	7873861	+	3.56E-11	3.0622E-10	0.224496	hyper	sig	chr19_7873861
chr6	1.58E+08	157676028	+	3.565E-11	3.0664E-10	0.22072	hyper	sig	chr6_157676028
chr12	1.11E+08	111033685	+	3.567E-11	3.0683E-10	0.259849	hyper	sig	chr12_111033685
chr16	3161474	3161474	+	3.568E-11	3.0687E-10	-0.2066	hypo	sig	chr16_3161474
chr1	2808266	2808266	+	3.574E-11	3.0743E-10	0.217837	hyper	sig	chr1_2808266
chr8	57205291	57205291	+	3.575E-11	3.0747E-10	-0.2254	hypo	sig	chr8_57205291
chr4	1279326	1279326	+	3.578E-11	3.0772E-10	-0.2848	hypo	sig	chr4_1279326
chr13	22848690	22848690	+	3.579E-11	3.0785E-10	-0.25009	hypo	sig	chr13_22848690
chr6	38174139	38174139	+	3.584E-11	3.0823E-10	-0.21081	hypo	sig	chr6_38174139
chr11	64736080	64736080	+	3.586E-11	3.0842E-10	-0.21881	hypo	sig	chr11_64736080
chr21	44990694	44990694	+	3.586E-11	3.0843E-10	-0.22943	hypo	sig	chr21_44990694
chr3	49660025	49660025	+	3.586E-11	3.0844E-10	-0.24657	hypo	sig	chr3_49660025
chr1	3550622	3550622	+	3.589E-11	3.0867E-10	-0.20897	hypo	sig	chr1_3550622
chr5	1.79E+08	179265829	+	3.593E-11	3.0902E-10	0.2809	hyper	sig	chr5_179265829
chr4	1.57E+08	157222339	+	3.594E-11	3.0903E-10	0.265559	hyper	sig	chr4_157222339
chr17	78903545	78903545	+	3.594E-11	3.0907E-10	-0.23705	hypo	sig	chr17_78903545
chr4	41879185	41879185	+	3.594E-11	3.0907E-10	0.287583	hyper	sig	chr4_41879185
chr10	25933877	25933877	+	3.598E-11	3.0936E-10	0.24688	hyper	sig	chr10_25933877
chr12	30201533	30201533	+	3.603E-11	3.0978E-10	0.257384	hyper	sig	chr12_30201533
chr22	31098728	31098728	+	3.603E-11	3.0978E-10	0.283593	hyper	sig	chr22_31098728
chr5	73298604	73298604	+	3.603E-11	3.0982E-10	0.290848	hyper	sig	chr5_73298604
chr7	27250020	27250020	+	3.604E-11	3.0984E-10	0.252976	hyper	sig	chr7_27250020
chr15	76341675	76341675	+	3.604E-11	3.0984E-10	-0.25604	hypo	sig	chr15_76341675
chr14	44912068	44912068	+	3.605E-11	3.0992E-10	0.24185	hyper	sig	chr14_44912068
chr5	1.41E+08	140786683	+	3.607E-11	3.1015E-10	0.234867	hyper	sig	chr5_140786683
chr1	1167580	1167580	+	3.608E-11	3.1016E-10	-0.24783	hypo	sig	chr1_1167580
chr7	73831696	73831696	+	3.608E-11	3.1019E-10	-0.20268	hypo	sig	chr7_73831696
chr11	3229467	3229467	+	3.609E-11	3.1028E-10	-0.2441	hypo	sig	chr11_3229467
chr12	57675094	57675094	+	3.613E-11	3.1064E-10	-0.33794	hypo	sig	chr12_57675094
chr10	1.33E+08	133029447	+	3.614E-11	3.1065E-10	-0.22659	hypo	sig	chr10_133029447
chr17	4641851	4641851	+	3.615E-11	3.1078E-10	0.20859	hyper	sig	chr17_4641851
chr1	10635602	10635602	+	3.621E-11	3.1129E-10	0.244656	hyper	sig	chr1_10635602
chr19	35774778	35774778	+	3.622E-11	3.1132E-10	-0.251	hypo	sig	chr19_35774778
chr5	1.57E+08	156850481	+	3.633E-11	3.1227E-10	0.209816	hyper	sig	chr5_156850481
chr11	737946	737946	+	3.634E-11	3.1233E-10	-0.21403	hypo	sig	chr11_737946
chr19	49165470	49165470	+	3.636E-11	3.1251E-10	0.238335	hyper	sig	chr19_49165470
chr12	189068	189068	+	3.64E-11	3.1285E-10	0.226913	hyper	sig	chr12_189068
chr10	1.33E+08	132982044	+	3.641E-11	3.1295E-10	-0.21241	hypo	sig	chr10_132982044
chr11	49561291	49561291	+	3.643E-11	3.1307E-10	0.24974	hyper	sig	chr11_49561291
chr2	2.32E+08	231927539	+	3.644E-11	3.1314E-10	0.208332	hyper	sig	chr2_231927539
chr13	1.13E+08	112659683	+	3.648E-11	3.1352E-10	-0.20825	hypo	sig	chr13_112659683
chr2	1.27E+08	127024929	+	3.649E-11	3.136E-10	0.201412	hyper	sig	chr2_127024929
chr7	1.58E+08	158264172	+	3.652E-11	3.1387E-10	-0.21229	hypo	sig	chr7_158264172
chr3	1.95E+08	195105663	+	3.654E-11	3.14E-10	-0.2241	hypo	sig	chr3_195105663
chr17	78232226	78232226	+	3.654E-11	3.1401E-10	0.258243	hyper	sig	chr17_78232226
chr2	19357543	19357543	+	3.656E-11	3.1411E-10	0.31268	hyper	sig	chr2_19357543

chr7	27147345	27147345	+	3.656E-11	3.1414E-10	0.217756	hyper	sig	chr7_27147345
chr6	5994953	5994953	+	3.657E-11	3.1422E-10	0.279903	hyper	sig	chr6_5994953
chr4	6727209	6727209	+	3.658E-11	3.1431E-10	0.213674	hyper	sig	chr4_6727209
chr15	27769001	27769001	+	3.659E-11	3.1441E-10	0.22857	hyper	sig	chr15_27769001
chr12	54047685	54047685	+	3.66E-11	3.1447E-10	0.239119	hyper	sig	chr12_54047685
chr2	2.42E+08	241939580	+	3.662E-11	3.1465E-10	-0.22083	hypo	sig	chr2_241939580
chr7	204573	204573	+	3.662E-11	3.1467E-10	-0.21105	hypo	sig	chr7_204573
chr10	5546171	5546171	+	3.664E-11	3.1477E-10	-0.21607	hypo	sig	chr10_5546171
chr1	2475379	2475379	+	3.664E-11	3.1479E-10	-0.27471	hypo	sig	chr1_2475379
chr6	1.66E+08	165819618	+	3.664E-11	3.148E-10	0.222799	hyper	sig	chr6_165819618
chr7	983317	983317	+	3.669E-11	3.1517E-10	0.20441	hyper	sig	chr7_983317
chr4	2339478	2339478	+	3.671E-11	3.1534E-10	0.234984	hyper	sig	chr4_2339478
chr11	20670592	20670592	+	3.672E-11	3.1549E-10	0.238765	hyper	sig	chr11_20670592
chr8	2034728	2034728	+	3.674E-11	3.1561E-10	-0.27004	hypo	sig	chr8_2034728
chr7	1.57E+08	157397697	+	3.675E-11	3.1566E-10	-0.24244	hypo	sig	chr7_157397697
chr22	24004103	24004103	+	3.676E-11	3.1575E-10	-0.20756	hypo	sig	chr22_24004103
chr7	76238995	76238995	+	3.676E-11	3.1577E-10	-0.22903	hypo	sig	chr7_76238995
chr18	73287	73287	+	3.676E-11	3.158E-10	0.237111	hyper	sig	chr18_73287
chr14	28765990	28765990	+	3.677E-11	3.1589E-10	0.222031	hyper	sig	chr14_28765990
chr16	62036161	62036161	+	3.677E-11	3.1589E-10	0.203494	hyper	sig	chr16_62036161
chr5	95843094	95843094	+	3.68E-11	3.161E-10	-0.2078	hypo	sig	chr5_95843094
chr14	60507333	60507333	+	3.681E-11	3.1618E-10	0.279683	hyper	sig	chr14_60507333
chr14	19668665	19668665	+	3.683E-11	3.1632E-10	0.234034	hyper	sig	chr14_19668665
chr3	96814861	96814861	+	3.684E-11	3.1639E-10	0.221898	hyper	sig	chr3_96814861
chr17	81442006	81442006	+	3.684E-11	3.164E-10	-0.28899	hypo	sig	chr17_81442006
chr12	53324273	53324273	+	3.684E-11	3.1644E-10	0.206527	hyper	sig	chr12_53324273
chr15	40445873	40445873	+	3.685E-11	3.1647E-10	0.216422	hyper	sig	chr15_40445873
chr3	1.34E+08	134408744	+	3.687E-11	3.1663E-10	-0.2339	hypo	sig	chr3_134408744
chr2	20671558	20671558	+	3.69E-11	3.169E-10	0.229204	hyper	sig	chr2_20671558
chr18	77250950	77250950	+	3.691E-11	3.17E-10	0.326861	hyper	sig	chr18_77250950
chr18	76460229	76460229	+	3.691E-11	3.1702E-10	0.231563	hyper	sig	chr18_76460229
chr21	37282333	37282333	+	3.692E-11	3.1704E-10	-0.25314	hypo	sig	chr21_37282333
chr1	34176795	34176795	+	3.693E-11	3.1713E-10	0.257635	hyper	sig	chr1_34176795
chr6	1523919	1523919	+	3.693E-11	3.1714E-10	0.255162	hyper	sig	chr6_1523919
chr7	98323652	98323652	+	3.694E-11	3.1726E-10	0.219736	hyper	sig	chr7_98323652
chr19	13506261	13506261	+	3.7E-11	3.1769E-10	0.284403	hyper	sig	chr19_13506261
chr19	13962270	13962270	+	3.701E-11	3.1779E-10	0.262307	hyper	sig	chr19_13962270
chr10	1.01E+08	101284524	+	3.705E-11	3.1812E-10	0.214354	hyper	sig	chr10_101284524
chr16	1039140	1039140	+	3.707E-11	3.1828E-10	-0.2751	hypo	sig	chr16_1039140
chr19	345278	345278	+	3.71E-11	3.1852E-10	0.239248	hyper	sig	chr19_345278
chr5	1.35E+08	135029282	+	3.711E-11	3.1865E-10	0.265424	hyper	sig	chr5_135029282
chr20	9506500	9506500	+	3.715E-11	3.19E-10	0.306775	hyper	sig	chr20_9506500
chr14	24172623	24172623	+	3.718E-11	3.1919E-10	0.261982	hyper	sig	chr14_24172623
chr2	949771	949771	+	3.719E-11	3.1929E-10	0.265694	hyper	sig	chr2_949771
chr12	64389151	64389151	+	3.724E-11	3.1968E-10	-0.21817	hypo	sig	chr12_64389151
chr7	568882	568882	+	3.725E-11	3.1977E-10	0.231443	hyper	sig	chr7_568882
chr10	80131910	80131910	+	3.727E-11	3.1995E-10	-0.2005	hypo	sig	chr10_80131910
chr11	69011997	69011997	+	3.728E-11	3.2002E-10	0.355162	hyper	sig	chr11_69011997
chr17	44558356	44558356	+	3.728E-11	3.2006E-10	0.273324	hyper	sig	chr17_44558356
chr4	1.5E+08	150255957	+	3.729E-11	3.2012E-10	0.280496	hyper	sig	chr4_150255957
chr3	1.24E+08	123883675	+	3.73E-11	3.2018E-10	0.259349	hyper	sig	chr3_123883675
chr10	79243976	79243976	+	3.733E-11	3.2042E-10	0.268349	hyper	sig	chr10_79243976
chr1	7474935	7474935	+	3.739E-11	3.2097E-10	-0.20851	hypo	sig	chr1_7474935
chr6	1.05E+08	104941588	+	3.742E-11	3.212E-10	0.270994	hyper	sig	chr6_104941588
chr17	45430387	45430387	+	3.745E-11	3.2141E-10	0.226023	hyper	sig	chr17_45430387
chr9	1.33E+08	133209357	+	3.75E-11	3.2185E-10	-0.27704	hypo	sig	chr9_133209357

chr15	79282416	79282416	+	3.751E-11	3.2195E-10	0.253776	hyper	sig	chr15_79282416
chr5	1.36E+08	135930212	+	3.758E-11	3.2252E-10	0.227224	hyper	sig	chr5_135930212
chr19	45953145	45953145	+	3.758E-11	3.2252E-10	0.20764	hyper	sig	chr19_45953145
chr17	79776586	79776586	+	3.76E-11	3.2266E-10	-0.21081	hypo	sig	chr17_79776586
chr5	1.41E+08	141376309	+	3.762E-11	3.2284E-10	0.206086	hyper	sig	chr5_141376309
chr9	118076	118076	+	3.763E-11	3.2298E-10	0.324878	hyper	sig	chr9_118076
chr10	26211736	26211736	+	3.764E-11	3.2301E-10	0.282726	hyper	sig	chr10_26211736
chr17	38421426	38421426	+	3.764E-11	3.2306E-10	0.207157	hyper	sig	chr17_38421426
chr7	1.58E+08	157899484	+	3.765E-11	3.2307E-10	0.234488	hyper	sig	chr7_157899484
chr12	1.33E+08	132887003	+	3.769E-11	3.2344E-10	0.210343	hyper	sig	chr12_132887003
chr20	50588255	50588255	+	3.769E-11	3.2345E-10	-0.23872	hypo	sig	chr20_50588255
chr1	2025900	2025900	+	3.772E-11	3.2373E-10	0.209159	hyper	sig	chr1_2025900
chr11	1.34E+08	134047222	+	3.774E-11	3.2385E-10	0.204772	hyper	sig	chr11_134047222
chr22	45889834	45889834	+	3.776E-11	3.2405E-10	0.21893	hyper	sig	chr22_45889834
chr8	33600149	33600149	+	3.776E-11	3.2406E-10	0.200653	hyper	sig	chr8_33600149
chr12	57736548	57736548	+	3.777E-11	3.2408E-10	0.260303	hyper	sig	chr12_57736548
chr22	19022906	19022906	+	3.781E-11	3.244E-10	-0.22608	hypo	sig	chr22_19022906
chr3	62367777	62367777	+	3.784E-11	3.2468E-10	0.250202	hyper	sig	chr3_62367777
chr16	20075569	20075569	+	3.786E-11	3.2486E-10	-0.20662	hypo	sig	chr16_20075569
chr16	50667657	50667657	+	3.788E-11	3.2498E-10	-0.20841	hypo	sig	chr16_50667657
chr16	84367641	84367641	+	3.791E-11	3.2523E-10	-0.21244	hypo	sig	chr16_84367641
chr9	1.34E+08	133657805	+	3.798E-11	3.2583E-10	0.201717	hyper	sig	chr9_133657805
chr6	70282370	70282370	+	3.799E-11	3.2592E-10	0.274171	hyper	sig	chr6_70282370
chr7	1.58E+08	157984195	+	3.801E-11	3.2609E-10	-0.23492	hypo	sig	chr7_157984195
chr9	1.37E+08	136986046	+	3.801E-11	3.2609E-10	0.268793	hyper	sig	chr9_136986046
chr5	38434282	38434282	+	3.803E-11	3.2621E-10	-0.22459	hypo	sig	chr5_38434282
chr19	38303894	38303894	+	3.803E-11	3.2626E-10	-0.21052	hypo	sig	chr19_38303894
chr1	50424994	50424994	+	3.807E-11	3.2651E-10	0.284397	hyper	sig	chr1_50424994
chr7	1073393	1073393	+	3.808E-11	3.266E-10	0.254242	hyper	sig	chr7_1073393
chr19	58562127	58562127	+	3.808E-11	3.2661E-10	0.241659	hyper	sig	chr19_58562127
chr2	98346455	98346455	+	3.809E-11	3.2673E-10	0.290967	hyper	sig	chr2_98346455
chr12	1.32E+08	132429102	+	3.813E-11	3.2703E-10	0.20467	hyper	sig	chr12_132429102
chr17	81488693	81488693	+	3.814E-11	3.2714E-10	0.224165	hyper	sig	chr17_81488693
chr19	33622468	33622468	+	3.815E-11	3.2722E-10	0.245031	hyper	sig	chr19_33622468
chr13	44403888	44403888	+	3.816E-11	3.2722E-10	-0.23675	hypo	sig	chr13_44403888
chr11	19715366	19715366	+	3.818E-11	3.2742E-10	0.234223	hyper	sig	chr11_19715366
chr14	1.05E+08	105249374	+	3.819E-11	3.275E-10	0.232426	hyper	sig	chr14_105249374
chr7	4715710	4715710	+	3.821E-11	3.2766E-10	0.29803	hyper	sig	chr7_4715710
chr20	63066125	63066125	+	3.822E-11	3.2775E-10	-0.22814	hypo	sig	chr20_63066125
chr18	77056041	77056041	+	3.826E-11	3.2811E-10	-0.28701	hypo	sig	chr18_77056041
chr12	53975282	53975282	+	3.829E-11	3.2831E-10	0.298167	hyper	sig	chr12_53975282
chr15	63041593	63041593	+	3.83E-11	3.2838E-10	0.210703	hyper	sig	chr15_63041593
chr17	76000088	76000088	+	3.83E-11	3.2842E-10	0.251536	hyper	sig	chr17_76000088
chr22	48493206	48493206	+	3.833E-11	3.2865E-10	-0.25577	hypo	sig	chr22_48493206
chr5	1243543	1243543	+	3.835E-11	3.2885E-10	0.299162	hyper	sig	chr5_1243543
chr12	1.25E+08	124501691	+	3.836E-11	3.2887E-10	0.235263	hyper	sig	chr12_124501691
chr17	36940655	36940655	+	3.839E-11	3.2918E-10	0.252973	hyper	sig	chr17_36940655
chr16	88484869	88484869	+	3.841E-11	3.2929E-10	-0.20676	hypo	sig	chr16_88484869
chr10	99521465	99521465	+	3.843E-11	3.2947E-10	-0.20256	hypo	sig	chr10_99521465
chr14	23388811	23388811	+	3.847E-11	3.2985E-10	-0.27643	hypo	sig	chr14_23388811
chr1	18859751	18859751	+	3.848E-11	3.2987E-10	-0.31457	hypo	sig	chr1_18859751
chr5	1.41E+08	141389854	+	3.85E-11	3.3006E-10	0.238912	hyper	sig	chr5_141389854
chr18	23137054	23137054	+	3.851E-11	3.3013E-10	-0.21471	hypo	sig	chr18_23137054
chr22	19523308	19523308	+	3.859E-11	3.3077E-10	0.262163	hyper	sig	chr22_19523308
chr8	1.45E+08	144710709	+	3.86E-11	3.3091E-10	-0.28127	hypo	sig	chr8_144710709
chr7	74178833	74178833	+	3.862E-11	3.3103E-10	0.232504	hyper	sig	chr7_74178833

chr17	296636	296636	+	3.862E-11	3.3107E-10	0.217861	hyper	sig	chr17_296636
chr3	14811350	14811350	+	3.865E-11	3.3131E-10	0.285558	hyper	sig	chr3_14811350
chr14	1.01E+08	100895022	+	3.868E-11	3.3154E-10	-0.23057	hypo	sig	chr14_100895022
chr7	1329760	1329760	+	3.87E-11	3.3175E-10	0.284187	hyper	sig	chr7_1329760
chr2	2.18E+08	217755021	+	3.876E-11	3.3221E-10	-0.2147	hypo	sig	chr2_217755021
chr12	53936493	53936493	+	3.876E-11	3.3223E-10	0.288483	hyper	sig	chr12_53936493
chr19	57708763	57708763	+	3.879E-11	3.3245E-10	0.277593	hyper	sig	chr19_57708763
chr1	1110102	1110102	+	3.881E-11	3.3267E-10	-0.21152	hypo	sig	chr1_1110102
chr17	82838867	82838867	+	3.887E-11	3.331E-10	-0.20429	hypo	sig	chr17_82838867
chr5	77639219	77639219	+	3.887E-11	3.3313E-10	0.237991	hyper	sig	chr5_77639219
chr4	6322442	6322442	+	3.888E-11	3.3317E-10	-0.31181	hypo	sig	chr4_6322442
chr19	3578304	3578304	+	3.888E-11	3.3323E-10	-0.25066	hypo	sig	chr19_3578304
chr2	1.26E+08	125942416	+	3.891E-11	3.3345E-10	-0.29572	hypo	sig	chr2_125942416
chr1	1.55E+08	154758104	+	3.891E-11	3.3347E-10	-0.20298	hypo	sig	chr1_154758104
chr4	1.04E+08	103720074	+	3.893E-11	3.3362E-10	0.201534	hyper	sig	chr4_103720074
chr16	56992074	56992074	+	3.902E-11	3.3436E-10	-0.31257	hypo	sig	chr16_56992074
chr5	1.41E+08	141360310	+	3.905E-11	3.3462E-10	0.216419	hyper	sig	chr5_141360310
chr15	88605100	88605100	+	3.905E-11	3.3463E-10	0.221781	hyper	sig	chr15_88605100
chr7	27143016	27143016	+	3.91E-11	3.3502E-10	0.322586	hyper	sig	chr7_27143016
chr15	25064032	25064032	+	3.913E-11	3.3523E-10	-0.24802	hypo	sig	chr15_25064032
chr19	42698012	42698012	+	3.917E-11	3.3556E-10	0.293489	hyper	sig	chr19_42698012
chr9	98944722	98944722	+	3.918E-11	3.3566E-10	0.28024	hyper	sig	chr9_98944722
chr5	1608472	1608472	+	3.918E-11	3.3567E-10	-0.21901	hypo	sig	chr5_1608472
chr7	5478761	5478761	+	3.921E-11	3.3591E-10	0.2439	hyper	sig	chr7_5478761
chr5	1.41E+08	141431317	+	3.924E-11	3.3614E-10	0.226833	hyper	sig	chr5_141431317
chr10	1.01E+08	100737895	+	3.925E-11	3.3627E-10	0.227782	hyper	sig	chr10_100737895
chr10	1.33E+08	132940998	+	3.929E-11	3.3656E-10	-0.30092	hypo	sig	chr10_132940998
chr2	1860363	1860363	+	3.929E-11	3.3656E-10	-0.22472	hypo	sig	chr2_1860363
chr2	1.3E+08	129587565	+	3.929E-11	3.3662E-10	0.251902	hyper	sig	chr2_129587565
chr17	45428792	45428792	+	3.93E-11	3.3663E-10	0.266777	hyper	sig	chr17_45428792
chr1	2.21E+08	220787659	+	3.932E-11	3.3679E-10	-0.24143	hypo	sig	chr1_220787659
chr3	1.47E+08	147410873	+	3.936E-11	3.3719E-10	0.216581	hyper	sig	chr3_147410873
chr8	17413930	17413930	+	3.937E-11	3.3722E-10	0.285648	hyper	sig	chr8_17413930
chr20	21391912	21391912	+	3.938E-11	3.3729E-10	0.293149	hyper	sig	chr20_21391912
chr6	32096557	32096557	+	3.94E-11	3.3747E-10	0.211924	hyper	sig	chr6_32096557
chr17	52160452	52160452	+	3.94E-11	3.375E-10	0.234972	hyper	sig	chr17_52160452
chr4	1.57E+08	157204760	+	3.942E-11	3.3766E-10	-0.23038	hypo	sig	chr4_157204760
chr5	1657276	1657276	+	3.944E-11	3.378E-10	-0.26215	hypo	sig	chr5_1657276
chr2	2.38E+08	238231383	+	3.945E-11	3.3788E-10	0.228148	hyper	sig	chr2_238231383
chr16	833694	833694	+	3.945E-11	3.3791E-10	-0.21765	hypo	sig	chr16_833694
chr21	45289050	45289050	+	3.947E-11	3.3807E-10	0.205177	hyper	sig	chr21_45289050
chr5	1.41E+08	141137651	+	3.949E-11	3.3819E-10	0.209124	hyper	sig	chr5_141137651
chr1	2.48E+08	247639355	+	3.949E-11	3.3823E-10	0.255014	hyper	sig	chr1_247639355
chr9	1.34E+08	133814487	+	3.952E-11	3.3847E-10	0.271272	hyper	sig	chr9_133814487
chr8	6939394	6939394	+	3.953E-11	3.3851E-10	-0.21659	hypo	sig	chr8_6939394
chr2	1.09E+08	109173349	+	3.953E-11	3.3852E-10	0.221153	hyper	sig	chr2_109173349
chr7	2110853	2110853	+	3.954E-11	3.3859E-10	-0.25366	hypo	sig	chr7_2110853
chr12	34332655	34332655	+	3.954E-11	3.3861E-10	-0.22193	hypo	sig	chr12_34332655
chr5	1.58E+08	157986899	+	3.955E-11	3.3866E-10	-0.24494	hypo	sig	chr5_157986899
chr14	92341583	92341583	+	3.955E-11	3.387E-10	-0.21011	hypo	sig	chr14_92341583
chr16	57528864	57528864	+	3.956E-11	3.388E-10	-0.2564	hypo	sig	chr16_57528864
chr21	43729517	43729517	+	3.957E-11	3.3888E-10	0.220322	hyper	sig	chr21_43729517
chr3	64022607	64022607	+	3.964E-11	3.3946E-10	-0.27955	hypo	sig	chr3_64022607
chr3	6862886	6862886	+	3.966E-11	3.396E-10	0.335498	hyper	sig	chr3_6862886
chr21	37006133	37006133	+	3.968E-11	3.3971E-10	0.240143	hyper	sig	chr21_37006133
chr10	1.34E+08	133527281	+	3.968E-11	3.3972E-10	-0.20313	hypo	sig	chr10_133527281

chr15	84080704	84080704	+	3.971E-11	3.3997E-10	0.247406	hyper	sig	chr15_84080704
chr11	9090962	9090962	+	3.972E-11	3.4007E-10	0.263298	hyper	sig	chr11_9090962
chr16	67928381	67928381	+	3.975E-11	3.4032E-10	-0.28639	hypo	sig	chr16_67928381
chr17	75504658	75504658	+	3.975E-11	3.4034E-10	-0.23186	hypo	sig	chr17_75504658
chr1	1.81E+08	181486104	+	3.977E-11	3.4044E-10	0.214933	hyper	sig	chr1_181486104
chr15	75349173	75349173	+	3.977E-11	3.4049E-10	0.312425	hyper	sig	chr15_75349173
chr6	1.68E+08	167684901	+	3.979E-11	3.4059E-10	-0.29259	hypo	sig	chr6_167684901
chr9	1.33E+08	133121824	+	3.979E-11	3.4062E-10	-0.21474	hypo	sig	chr9_133121824
chr4	73998870	73998870	+	3.979E-11	3.4063E-10	0.249821	hyper	sig	chr4_73998870
chr2	1.19E+08	118842269	+	3.98E-11	3.4071E-10	0.204743	hyper	sig	chr2_118842269
chr5	73382301	73382301	+	3.982E-11	3.4088E-10	0.249869	hyper	sig	chr5_73382301
chr16	89339038	89339038	+	3.983E-11	3.4091E-10	-0.23268	hypo	sig	chr16_89339038
chr16	89060458	89060458	+	3.984E-11	3.4103E-10	-0.23504	hypo	sig	chr16_89060458
chr12	65278311	65278311	+	3.987E-11	3.4127E-10	0.237705	hyper	sig	chr12_65278311
chr1	1.8E+08	180255517	+	3.987E-11	3.4128E-10	-0.23988	hypo	sig	chr1_180255517
chr7	1.51E+08	151188274	+	3.987E-11	3.4129E-10	-0.21909	hypo	sig	chr7_151188274
chr4	3649471	3649471	+	3.988E-11	3.413E-10	-0.22035	hypo	sig	chr4_3649471
chr8	1.44E+08	144108291	+	3.989E-11	3.4141E-10	0.333959	hyper	sig	chr8_144108291
chr20	61895164	61895164	+	3.991E-11	3.4154E-10	-0.21252	hypo	sig	chr20_61895164
chr9	1.26E+08	126219076	+	3.994E-11	3.4178E-10	-0.23129	hypo	sig	chr9_126219076
chr1	63316805	63316805	+	3.994E-11	3.4179E-10	0.274691	hyper	sig	chr1_63316805
chr7	5238715	5238715	+	3.995E-11	3.4191E-10	-0.21858	hypo	sig	chr7_5238715
chr12	7750556	7750556	+	3.996E-11	3.4199E-10	-0.20818	hypo	sig	chr12_7750556
chr10	1.01E+08	101146889	+	3.998E-11	3.421E-10	0.304157	hyper	sig	chr10_101146889
chr5	1.41E+08	141174216	+	4E-11	3.4233E-10	0.220052	hyper	sig	chr5_141174216
chr11	1.19E+08	118971816	+	4.001E-11	3.4236E-10	0.273398	hyper	sig	chr11_118971816
chr17	44691135	44691135	+	4.002E-11	3.4246E-10	-0.23419	hypo	sig	chr17_44691135
chr2	1.28E+08	127653049	+	4.003E-11	3.4252E-10	0.225384	hyper	sig	chr2_127653049
chr12	1.21E+08	120738067	+	4.006E-11	3.4276E-10	0.24462	hyper	sig	chr12_120738067
chr5	1.41E+08	141215470	+	4.007E-11	3.4283E-10	0.221386	hyper	sig	chr5_141215470
chr2	1.19E+08	118842895	+	4.007E-11	3.4288E-10	0.23435	hyper	sig	chr2_118842895
chr2	1.32E+08	132010288	+	4.018E-11	3.4372E-10	0.221486	hyper	sig	chr2_132010288
chr18	47250479	47250479	+	4.018E-11	3.4378E-10	0.2012	hyper	sig	chr18_47250479
chr6	1522922	1522922	+	4.024E-11	3.4424E-10	-0.27547	hypo	sig	chr6_1522922
chr10	1.32E+08	132045237	+	4.024E-11	3.4428E-10	-0.22161	hypo	sig	chr10_132045237
chr2	74516631	74516631	+	4.024E-11	3.4428E-10	0.2458	hyper	sig	chr2_74516631
chr6	75208449	75208449	+	4.028E-11	3.4456E-10	-0.2167	hypo	sig	chr6_75208449
chr5	1.78E+08	178154602	+	4.029E-11	3.4462E-10	-0.20921	hypo	sig	chr5_178154602
chr3	1.47E+08	147392464	+	4.03E-11	3.4476E-10	0.226129	hyper	sig	chr3_147392464
chr3	36762074	36762074	+	4.036E-11	3.4521E-10	-0.21768	hypo	sig	chr3_36762074
chr10	1.33E+08	132989634	+	4.04E-11	3.4557E-10	-0.20022	hypo	sig	chr10_132989634
chr7	1747769	1747769	+	4.042E-11	3.4572E-10	-0.29173	hypo	sig	chr7_1747769
chr5	2739002	2739002	+	4.045E-11	3.4597E-10	0.217085	hyper	sig	chr5_2739002
chr10	99531335	99531335	+	4.045E-11	3.4597E-10	0.222852	hyper	sig	chr10_99531335
chr3	9136504	9136504	+	4.047E-11	3.4616E-10	0.239705	hyper	sig	chr3_9136504
chr2	43101124	43101124	+	4.048E-11	3.4621E-10	0.212667	hyper	sig	chr2_43101124
chr3	42936675	42936675	+	4.05E-11	3.4635E-10	0.208831	hyper	sig	chr3_42936675
chr16	48813095	48813095	+	4.052E-11	3.4654E-10	-0.25619	hypo	sig	chr16_48813095
chr6	31862063	31862063	+	4.055E-11	3.4676E-10	0.211376	hyper	sig	chr6_31862063
chr11	2837176	2837176	+	4.058E-11	3.4699E-10	0.246314	hyper	sig	chr11_2837176
chr9	83537410	83537410	+	4.058E-11	3.4703E-10	0.258088	hyper	sig	chr9_83537410
chr12	50058310	50058310	+	4.064E-11	3.475E-10	0.259261	hyper	sig	chr12_50058310
chr19	5914997	5914997	+	4.064E-11	3.4755E-10	0.272436	hyper	sig	chr19_5914997
chr7	55570537	55570537	+	4.067E-11	3.4775E-10	-0.2059	hypo	sig	chr7_55570537
chr11	88508458	88508458	+	4.068E-11	3.4786E-10	-0.22168	hypo	sig	chr11_88508458
chr1	3292955	3292955	+	4.071E-11	3.4808E-10	-0.2289	hypo	sig	chr1_3292955

chr13	20713945	20713945	+	4.073E-11	3.4826E-10	-0.27121	hypo	sig	chr13_20713945
chr7	1664416	1664416	+	4.073E-11	3.4828E-10	0.222735	hyper	sig	chr7_1664416
chr7	45564718	45564718	+	4.074E-11	3.4833E-10	0.212122	hyper	sig	chr7_45564718
chr5	1.41E+08	141419527	+	4.074E-11	3.4836E-10	0.250505	hyper	sig	chr5_141419527
chr7	73424411	73424411	+	4.075E-11	3.4842E-10	0.203476	hyper	sig	chr7_73424411
chr19	19276611	19276611	+	4.077E-11	3.4859E-10	0.215454	hyper	sig	chr19_19276611
chr10	1.2E+08	120457498	+	4.077E-11	3.4859E-10	0.2614	hyper	sig	chr10_120457498
chr12	1.25E+08	124608734	+	4.077E-11	3.4859E-10	-0.25033	hypo	sig	chr12_124608734
chr9	62800445	62800445	+	4.078E-11	3.4869E-10	0.237068	hyper	sig	chr9_62800445
chr15	25241322	25241322	+	4.08E-11	3.488E-10	-0.25849	hypo	sig	chr15_25241322
chr9	975059	975059	+	4.08E-11	3.4881E-10	0.221845	hyper	sig	chr9_975059
chr15	96416939	96416939	+	4.081E-11	3.4892E-10	0.222307	hyper	sig	chr15_96416939
chr8	46954629	46954629	+	4.087E-11	3.4939E-10	-0.22053	hypo	sig	chr8_46954629
chr20	62378527	62378527	+	4.088E-11	3.4946E-10	0.214298	hyper	sig	chr20_62378527
chr8	1.43E+08	142680377	+	4.088E-11	3.4948E-10	-0.25138	hypo	sig	chr8_142680377
chr20	47973795	47973795	+	4.089E-11	3.4948E-10	-0.21521	hypo	sig	chr20_47973795
chr5	1.41E+08	141409912	+	4.091E-11	3.4969E-10	0.251121	hyper	sig	chr5_141409912
chr20	63306158	63306158	+	4.092E-11	3.4973E-10	-0.23595	hypo	sig	chr20_63306158
chr9	41266842	41266842	+	4.093E-11	3.4985E-10	0.237641	hyper	sig	chr9_41266842
chr22	20158755	20158755	+	4.096E-11	3.5008E-10	-0.21661	hypo	sig	chr22_20158755
chr2	2.31E+08	231395432	+	4.099E-11	3.5037E-10	0.297383	hyper	sig	chr2_231395432
chr17	49965488	49965488	+	4.101E-11	3.5052E-10	0.22938	hyper	sig	chr17_49965488
chr7	1.49E+08	149206034	+	4.102E-11	3.5061E-10	-0.20376	hypo	sig	chr7_149206034
chr4	41644646	41644646	+	4.103E-11	3.5065E-10	0.234334	hyper	sig	chr4_41644646
chr1	16521273	16521273	+	4.109E-11	3.5113E-10	0.204699	hyper	sig	chr1_16521273
chr22	31098736	31098736	+	4.109E-11	3.5119E-10	0.280024	hyper	sig	chr22_31098736
chr3	13932749	13932749	+	4.112E-11	3.5142E-10	0.212701	hyper	sig	chr3_13932749
chr6	28259231	28259231	+	4.114E-11	3.5155E-10	0.24583	hyper	sig	chr6_28259231
chr10	42932985	42932985	+	4.117E-11	3.5181E-10	0.215081	hyper	sig	chr10_42932985
chr16	89668768	89668768	+	4.12E-11	3.5208E-10	-0.2067	hypo	sig	chr16_89668768
chr12	1.17E+08	117358440	+	4.121E-11	3.5216E-10	-0.22206	hypo	sig	chr12_117358440
chr11	1748478	1748478	+	4.123E-11	3.5231E-10	0.315513	hyper	sig	chr11_1748478
chr6	1.17E+08	117263602	+	4.124E-11	3.524E-10	0.21618	hyper	sig	chr6_117263602
chr2	2.35E+08	235493343	+	4.124E-11	3.5242E-10	0.26013	hyper	sig	chr2_235493343
chr19	35350660	35350660	+	4.126E-11	3.5253E-10	-0.3081	hypo	sig	chr19_35350660
chr11	2869399	2869399	+	4.126E-11	3.5256E-10	0.201096	hyper	sig	chr11_2869399
chr5	1.76E+08	176133565	+	4.126E-11	3.5257E-10	0.205229	hyper	sig	chr5_176133565
chr13	46440685	46440685	+	4.127E-11	3.5261E-10	-0.31385	hypo	sig	chr13_46440685
chr11	65204678	65204678	+	4.127E-11	3.5262E-10	0.20336	hyper	sig	chr11_65204678
chr11	65833219	65833219	+	4.129E-11	3.5277E-10	0.294502	hyper	sig	chr11_65833219
chr22	50031703	50031703	+	4.137E-11	3.5343E-10	-0.24691	hypo	sig	chr22_50031703
chr11	16611130	16611130	+	4.138E-11	3.5353E-10	0.223485	hyper	sig	chr11_16611130
chr20	41999425	41999425	+	4.139E-11	3.5363E-10	-0.20937	hypo	sig	chr20_41999425
chr16	89154110	89154110	+	4.144E-11	3.5405E-10	-0.21419	hypo	sig	chr16_89154110
chr5	1.41E+08	141372130	+	4.146E-11	3.5416E-10	0.230344	hyper	sig	chr5_141372130
chr12	33438434	33438434	+	4.147E-11	3.5429E-10	0.225012	hyper	sig	chr12_33438434
chr14	1.02E+08	101635289	+	4.149E-11	3.5442E-10	0.21307	hyper	sig	chr14_101635289
chr13	27971466	27971466	+	4.15E-11	3.5448E-10	-0.22299	hypo	sig	chr13_27971466
chr20	46021741	46021741	+	4.151E-11	3.5458E-10	0.244568	hyper	sig	chr20_46021741
chr7	1.28E+08	128201573	+	4.152E-11	3.5468E-10	0.23467	hyper	sig	chr7_128201573
chr15	52798035	52798035	+	4.153E-11	3.5476E-10	0.263094	hyper	sig	chr15_52798035
chr5	2169615	2169615	+	4.154E-11	3.5483E-10	-0.24239	hypo	sig	chr5_2169615
chr16	88678330	88678330	+	4.155E-11	3.5487E-10	0.261356	hyper	sig	chr16_88678330
chr22	50085240	50085240	+	4.156E-11	3.5498E-10	-0.21786	hypo	sig	chr22_50085240
chr2	2.33E+08	232634036	+	4.157E-11	3.5503E-10	0.200682	hyper	sig	chr2_232634036
chr17	29155671	29155671	+	4.157E-11	3.551E-10	-0.21973	hypo	sig	chr17_29155671

chr11	1.18E+08	117796199	+	4.161E-11	3.5543E-10	0.219928	hyper	sig	chr11_117796199
chr4	20253086	20253086	+	4.164E-11	3.5566E-10	0.227586	hyper	sig	chr4_20253086
chr15	28832438	28832438	+	4.165E-11	3.5572E-10	0.207792	hyper	sig	chr15_28832438
chr7	1922620	1922620	+	4.171E-11	3.5625E-10	-0.2338	hypo	sig	chr7_1922620
chr1	90724936	90724936	+	4.172E-11	3.5633E-10	0.269966	hyper	sig	chr1_90724936
chr9	1.31E+08	130915105	+	4.175E-11	3.5653E-10	-0.20583	hypo	sig	chr9_130915105
chr19	50548683	50548683	+	4.176E-11	3.5661E-10	-0.29219	hypo	sig	chr19_50548683
chr11	334639	334639	+	4.177E-11	3.5669E-10	-0.23403	hypo	sig	chr11_334639
chr19	53656115	53656115	+	4.178E-11	3.568E-10	-0.26862	hypo	sig	chr19_53656115
chr17	81727483	81727483	+	4.178E-11	3.568E-10	-0.22764	hypo	sig	chr17_81727483
chr19	52493415	52493415	+	4.179E-11	3.5688E-10	0.215212	hyper	sig	chr19_52493415
chr11	1.13E+08	112881361	+	4.18E-11	3.5691E-10	-0.28939	hypo	sig	chr11_112881361
chr2	31139448	31139448	+	4.18E-11	3.5695E-10	-0.21512	hypo	sig	chr2_31139448
chr7	23710117	23710117	+	4.182E-11	3.5713E-10	-0.20671	hypo	sig	chr7_23710117
chr4	38328394	38328394	+	4.188E-11	3.5757E-10	-0.21199	hypo	sig	chr4_38328394
chr11	1300379	1300379	+	4.188E-11	3.5757E-10	0.287288	hyper	sig	chr11_1300379
chr6	1.67E+08	166721664	+	4.188E-11	3.5761E-10	-0.24021	hypo	sig	chr6_166721664
chr12	6824309	6824309	+	4.189E-11	3.5767E-10	-0.21488	hypo	sig	chr12_6824309
chr4	1.88E+08	187995423	+	4.19E-11	3.5772E-10	0.235421	hyper	sig	chr4_187995423
chr16	66570284	66570284	+	4.192E-11	3.5795E-10	-0.24061	hypo	sig	chr16_66570284
chr2	2.4E+08	240145607	+	4.193E-11	3.5796E-10	-0.2545	hypo	sig	chr2_240145607
chr6	1.08E+08	108119743	+	4.197E-11	3.5832E-10	0.31704	hyper	sig	chr6_108119743
chr14	1.01E+08	100736363	+	4.198E-11	3.5837E-10	-0.23856	hypo	sig	chr14_100736363
chr8	10837321	10837321	+	4.199E-11	3.5848E-10	-0.22154	hypo	sig	chr8_10837321
chr1	2E+08	200213770	+	4.206E-11	3.591E-10	-0.20628	hypo	sig	chr1_200213770
chr17	50468525	50468525	+	4.207E-11	3.5913E-10	0.220574	hyper	sig	chr17_50468525
chr12	1.31E+08	131125377	+	4.207E-11	3.5917E-10	-0.29329	hypo	sig	chr12_131125377
chr13	1.06E+08	106488415	+	4.211E-11	3.595E-10	-0.28335	hypo	sig	chr13_106488415
chr20	21397528	21397528	+	4.213E-11	3.5963E-10	0.205145	hyper	sig	chr20_21397528
chr5	2755089	2755089	+	4.213E-11	3.5963E-10	0.28549	hyper	sig	chr5_2755089
chr4	1.3E+08	130038782	+	4.215E-11	3.5981E-10	-0.21585	hypo	sig	chr4_130038782
chr22	18111430	18111430	+	4.219E-11	3.6015E-10	0.265276	hyper	sig	chr22_18111430
chr2	493514	493514	+	4.221E-11	3.6031E-10	-0.22698	hypo	sig	chr2_493514
chr15	59994909	59994909	+	4.227E-11	3.6081E-10	0.226469	hyper	sig	chr15_59994909
chr3	1.28E+08	128075984	+	4.232E-11	3.6116E-10	0.224162	hyper	sig	chr3_128075984
chr17	7855536	7855536	+	4.242E-11	3.6198E-10	0.257091	hyper	sig	chr17_7855536
chr1	46448913	46448913	+	4.245E-11	3.6226E-10	0.246945	hyper	sig	chr1_46448913
chr5	1855841	1855841	+	4.249E-11	3.6256E-10	0.21127	hyper	sig	chr5_1855841
chr16	30775208	30775208	+	4.249E-11	3.6261E-10	0.200895	hyper	sig	chr16_30775208
chr10	1.32E+08	131980142	+	4.25E-11	3.627E-10	0.216198	hyper	sig	chr10_131980142
chr13	1.12E+08	112053558	+	4.253E-11	3.6291E-10	0.286275	hyper	sig	chr13_112053558
chr8	23404477	23404477	+	4.253E-11	3.6293E-10	0.228252	hyper	sig	chr8_23404477
chr12	34366935	34366935	+	4.254E-11	3.63E-10	-0.20451	hypo	sig	chr12_34366935
chr16	31477526	31477526	+	4.256E-11	3.6313E-10	-0.21224	hypo	sig	chr16_31477526
chr8	1.4E+08	139705054	+	4.256E-11	3.6318E-10	0.224101	hyper	sig	chr8_139705054
chr19	12195703	12195703	+	4.257E-11	3.6321E-10	0.213692	hyper	sig	chr19_12195703
chr16	87614609	87614609	+	4.258E-11	3.6331E-10	-0.24732	hypo	sig	chr16_87614609
chr11	92969497	92969497	+	4.258E-11	3.6333E-10	0.251232	hyper	sig	chr11_92969497
chr10	84241662	84241662	+	4.26E-11	3.6344E-10	-0.23926	hypo	sig	chr10_84241662
chr20	46033583	46033583	+	4.26E-11	3.6346E-10	-0.28009	hypo	sig	chr20_46033583
chr1	1.82E+08	182059541	+	4.261E-11	3.6354E-10	-0.26002	hypo	sig	chr1_182059541
chr8	1.43E+08	142681901	+	4.264E-11	3.6379E-10	-0.21524	hypo	sig	chr8_142681901
chr12	43551414	43551414	+	4.264E-11	3.638E-10	0.342833	hyper	sig	chr12_43551414
chr2	9638557	9638557	+	4.268E-11	3.6409E-10	0.231248	hyper	sig	chr2_9638557
chr11	31800060	31800060	+	4.269E-11	3.6423E-10	0.28837	hyper	sig	chr11_31800060
chr16	29662144	29662144	+	4.271E-11	3.6439E-10	-0.24818	hypo	sig	chr16_29662144

chr10	68561800	68561800	+	4.272E-11	3.6443E-10	0.264027	hyper	sig	chr10_68561800
chr2	1.01E+08	101350467	+	4.272E-11	3.6443E-10	-0.22901	hypo	sig	chr2_101350467
chr20	45316893	45316893	+	4.272E-11	3.6443E-10	0.38518	hyper	sig	chr20_45316893
chr15	24773152	24773152	+	4.277E-11	3.6482E-10	0.232999	hyper	sig	chr15_24773152
chr17	48546418	48546418	+	4.278E-11	3.6488E-10	0.201812	hyper	sig	chr17_48546418
chr8	1.42E+08	142462908	+	4.285E-11	3.655E-10	-0.2066	hypo	sig	chr8_142462908
chr22	48549422	48549422	+	4.286E-11	3.6557E-10	-0.25954	hypo	sig	chr22_48549422
chr11	3050107	3050107	+	4.286E-11	3.6557E-10	-0.2068	hypo	sig	chr11_3050107
chr5	1.8E+08	180126568	+	4.286E-11	3.6559E-10	-0.27005	hypo	sig	chr5_180126568
chr6	1.66E+08	165819640	+	4.29E-11	3.6587E-10	0.226739	hyper	sig	chr6_165819640
chr7	1.53E+08	152926186	+	4.294E-11	3.6621E-10	0.276031	hyper	sig	chr7_152926186
chr17	14310275	14310275	+	4.297E-11	3.665E-10	0.222205	hyper	sig	chr17_14310275
chr13	22925970	22925970	+	4.298E-11	3.6653E-10	0.245674	hyper	sig	chr13_22925970
chr9	95086211	95086211	+	4.299E-11	3.6659E-10	0.227297	hyper	sig	chr9_95086211
chr13	94704788	94704788	+	4.299E-11	3.6662E-10	0.228299	hyper	sig	chr13_94704788
chr16	67249343	67249343	+	4.3E-11	3.667E-10	0.22507	hyper	sig	chr16_67249343
chr5	1430431	1430431	+	4.301E-11	3.6681E-10	-0.22264	hypo	sig	chr5_1430431
chr20	31485771	31485771	+	4.305E-11	3.6708E-10	0.277972	hyper	sig	chr20_31485771
chr17	7414195	7414195	+	4.312E-11	3.6773E-10	-0.31221	hypo	sig	chr17_7414195
chr5	1.42E+08	141752974	+	4.314E-11	3.6788E-10	-0.22795	hypo	sig	chr5_141752974
chr11	72241107	72241107	+	4.316E-11	3.6801E-10	0.241549	hyper	sig	chr11_72241107
chr12	1.15E+08	114686779	+	4.316E-11	3.6802E-10	0.27719	hyper	sig	chr12_114686779
chr3	45146716	45146716	+	4.317E-11	3.681E-10	-0.20849	hypo	sig	chr3_45146716
chr3	1.72E+08	172448149	+	4.321E-11	3.6844E-10	0.318999	hyper	sig	chr3_172448149
chr11	68994932	68994932	+	4.329E-11	3.6907E-10	-0.20928	hypo	sig	chr11_68994932
chr11	1208702	1208702	+	4.33E-11	3.6914E-10	-0.21684	hypo	sig	chr11_1208702
chr15	59996229	59996229	+	4.331E-11	3.6927E-10	0.231716	hyper	sig	chr15_59996229
chr16	89201628	89201628	+	4.332E-11	3.693E-10	0.208627	hyper	sig	chr16_89201628
chr2	10014299	10014299	+	4.332E-11	3.6932E-10	-0.21173	hypo	sig	chr2_10014299
chr5	1021671	1021671	+	4.332E-11	3.6932E-10	-0.2767	hypo	sig	chr5_1021671
chr17	83073387	83073387	+	4.336E-11	3.6965E-10	-0.22736	hypo	sig	chr17_83073387
chr10	1.32E+08	132373463	+	4.337E-11	3.6972E-10	-0.24976	hypo	sig	chr10_132373463
chr2	1.07E+08	106841300	+	4.337E-11	3.6975E-10	0.223438	hyper	sig	chr2_106841300
chr19	44940981	44940981	+	4.339E-11	3.6984E-10	-0.23566	hypo	sig	chr19_44940981
chr15	43329691	43329691	+	4.34E-11	3.6993E-10	0.257319	hyper	sig	chr15_43329691
chr4	11368721	11368721	+	4.341E-11	3.7004E-10	0.318861	hyper	sig	chr4_11368721
chr6	28259202	28259202	+	4.346E-11	3.7042E-10	0.249754	hyper	sig	chr6_28259202
chr19	55377829	55377829	+	4.346E-11	3.7048E-10	0.248997	hyper	sig	chr19_55377829
chr2	1272965	1272965	+	4.347E-11	3.7055E-10	-0.2162	hypo	sig	chr2_1272965
chr1	15101699	15101699	+	4.348E-11	3.7061E-10	-0.23362	hypo	sig	chr1_15101699
chr12	53936093	53936093	+	4.352E-11	3.7092E-10	0.250147	hyper	sig	chr12_53936093
chr12	49535141	49535141	+	4.353E-11	3.7101E-10	-0.22817	hypo	sig	chr12_49535141
chr16	77789409	77789409	+	4.356E-11	3.7126E-10	0.213182	hyper	sig	chr16_77789409
chr19	8210199	8210199	+	4.359E-11	3.7147E-10	0.268152	hyper	sig	chr19_8210199
chr15	96417712	96417712	+	4.362E-11	3.7177E-10	0.238324	hyper	sig	chr15_96417712
chr4	54103893	54103893	+	4.363E-11	3.7179E-10	0.246038	hyper	sig	chr4_54103893
chr15	99438812	99438812	+	4.363E-11	3.7184E-10	-0.27832	hypo	sig	chr15_99438812
chr8	1.43E+08	142700236	+	4.364E-11	3.7187E-10	0.26562	hyper	sig	chr8_142700236
chr7	1.59E+08	159027727	+	4.364E-11	3.7188E-10	-0.23808	hypo	sig	chr7_159027727
chr1	12054345	12054345	+	4.364E-11	3.719E-10	0.239361	hyper	sig	chr1_12054345
chr11	45225019	45225019	+	4.366E-11	3.7201E-10	0.254718	hyper	sig	chr11_45225019
chr22	36467526	36467526	+	4.366E-11	3.7205E-10	0.225564	hyper	sig	chr22_36467526
chr17	28712014	28712014	+	4.367E-11	3.721E-10	0.242501	hyper	sig	chr17_28712014
chr19	57154418	57154418	+	4.367E-11	3.7216E-10	-0.23679	hypo	sig	chr19_57154418
chr5	1.16E+08	115963788	+	4.369E-11	3.7233E-10	0.2563	hyper	sig	chr5_115963788
chr10	50727995	50727995	+	4.377E-11	3.7291E-10	-0.24074	hypo	sig	chr10_50727995

chr16	10629872	10629872	+	4.379E-11	3.7307E-10	-0.21142	hypo	sig	chr16_10629872
chr2	94998558	94998558	+	4.381E-11	3.7323E-10	0.248351	hyper	sig	chr2_94998558
chr5	95843031	95843031	+	4.386E-11	3.7363E-10	-0.20075	hypo	sig	chr5_95843031
chr3	72655435	72655435	+	4.389E-11	3.7389E-10	0.224997	hyper	sig	chr3_72655435
chr17	30558988	30558988	+	4.389E-11	3.739E-10	-0.20876	hypo	sig	chr17_30558988
chr3	1.28E+08	128490929	+	4.391E-11	3.7403E-10	0.215283	hyper	sig	chr3_128490929
chr16	72961223	72961223	+	4.391E-11	3.7407E-10	-0.24769	hypo	sig	chr16_72961223
chr8	54455067	54455067	+	4.393E-11	3.7422E-10	0.238855	hyper	sig	chr8_54455067
chr17	77255031	77255031	+	4.396E-11	3.7442E-10	-0.21589	hypo	sig	chr17_77255031
chr11	31987295	31987295	+	4.399E-11	3.7473E-10	0.257878	hyper	sig	chr11_31987295
chr13	94703027	94703027	+	4.4E-11	3.7475E-10	0.239596	hyper	sig	chr13_94703027
chr2	1.3E+08	130005983	+	4.405E-11	3.752E-10	0.215553	hyper	sig	chr2_130005983
chr15	82949136	82949136	+	4.412E-11	3.758E-10	-0.22134	hypo	sig	chr15_82949136
chr2	629046	629046	+	4.417E-11	3.7619E-10	-0.20592	hypo	sig	chr2_629046
chr5	7851283	7851283	+	4.417E-11	3.7622E-10	0.220076	hyper	sig	chr5_7851283
chr9	1.32E+08	131554503	+	4.418E-11	3.7628E-10	0.238698	hyper	sig	chr9_131554503
chr16	89972175	89972175	+	4.421E-11	3.7655E-10	0.220965	hyper	sig	chr16_89972175
chr11	75584077	75584077	+	4.423E-11	3.7672E-10	0.226438	hyper	sig	chr11_75584077
chr3	58586863	58586863	+	4.427E-11	3.7699E-10	0.282481	hyper	sig	chr3_58586863
chr14	1.03E+08	102546013	+	4.429E-11	3.7716E-10	0.254856	hyper	sig	chr14_102546013
chr17	4586139	4586139	+	4.434E-11	3.7762E-10	-0.21667	hypo	sig	chr17_4586139
chr13	42574774	42574774	+	4.435E-11	3.7769E-10	0.207592	hyper	sig	chr13_42574774
chr19	13905916	13905916	+	4.437E-11	3.7786E-10	0.209284	hyper	sig	chr19_13905916
chr16	85697609	85697609	+	4.443E-11	3.7838E-10	-0.24302	hypo	sig	chr16_85697609
chr7	73829487	73829487	+	4.444E-11	3.784E-10	-0.25037	hypo	sig	chr7_73829487
chr8	26048180	26048180	+	4.444E-11	3.784E-10	0.211695	hyper	sig	chr8_26048180
chr14	36659398	36659398	+	4.447E-11	3.7866E-10	0.224707	hyper	sig	chr14_36659398
chr2	83877638	83877638	+	4.447E-11	3.787E-10	-0.20453	hypo	sig	chr2_83877638
chr17	82336684	82336684	+	4.451E-11	3.7899E-10	-0.29892	hypo	sig	chr17_82336684
chr1	3579192	3579192	+	4.458E-11	3.7957E-10	-0.22699	hypo	sig	chr1_3579192
chr3	44709682	44709682	+	4.461E-11	3.798E-10	-0.22971	hypo	sig	chr3_44709682
chr16	84141322	84141322	+	4.462E-11	3.799E-10	-0.21752	hypo	sig	chr16_84141322
chr12	1.11E+08	111363554	+	4.463E-11	3.7996E-10	-0.21068	hypo	sig	chr12_111363554
chr5	1.41E+08	141350361	+	4.464E-11	3.8003E-10	0.236674	hyper	sig	chr5_141350361
chr3	1.72E+08	172449631	+	4.464E-11	3.8003E-10	0.234404	hyper	sig	chr3_172449631
chr11	65642356	65642356	+	4.465E-11	3.8018E-10	0.314433	hyper	sig	chr11_65642356
chr16	89972004	89972004	+	4.473E-11	3.8078E-10	0.252223	hyper	sig	chr16_89972004
chr3	42686275	42686275	+	4.475E-11	3.8098E-10	0.344064	hyper	sig	chr3_42686275
chr4	93834600	93834600	+	4.475E-11	3.8099E-10	0.2911	hyper	sig	chr4_93834600
chr10	1.33E+08	132834228	+	4.48E-11	3.8139E-10	-0.26563	hypo	sig	chr10_132834228
chr2	24011223	24011223	+	4.483E-11	3.8163E-10	-0.32384	hypo	sig	chr2_24011223
chr1	1.48E+08	148264933	+	4.486E-11	3.8181E-10	0.214531	hyper	sig	chr1_148264933
chr14	33198956	33198956	+	4.487E-11	3.8196E-10	-0.26857	hypo	sig	chr14_33198956
chr19	5914618	5914618	+	4.489E-11	3.8209E-10	0.254066	hyper	sig	chr19_5914618
chr19	6744941	6744941	+	4.489E-11	3.8211E-10	0.247294	hyper	sig	chr19_6744941
chr3	50165506	50165506	+	4.489E-11	3.8212E-10	0.247606	hyper	sig	chr3_50165506
chr8	1.43E+08	143274818	+	4.492E-11	3.8234E-10	-0.23778	hypo	sig	chr8_143274818
chr4	7500721	7500721	+	4.492E-11	3.8237E-10	-0.20224	hypo	sig	chr4_7500721
chr8	57143349	57143349	+	4.494E-11	3.8253E-10	0.328991	hyper	sig	chr8_57143349
chr4	7433982	7433982	+	4.495E-11	3.8261E-10	-0.23475	hypo	sig	chr4_7433982
chr11	97745921	97745921	+	4.497E-11	3.8276E-10	-0.23277	hypo	sig	chr11_97745921
chr1	2.1E+08	210252677	+	4.497E-11	3.8277E-10	-0.30655	hypo	sig	chr1_210252677
chr6	1.59E+08	158999031	+	4.5E-11	3.8299E-10	-0.21736	hypo	sig	chr6_158999031
chr16	165419	165419	+	4.501E-11	3.831E-10	0.210883	hyper	sig	chr16_165419
chr11	1.25E+08	124936085	+	4.503E-11	3.8326E-10	-0.25959	hypo	sig	chr11_124936085
chr3	42906656	42906656	+	4.509E-11	3.8372E-10	0.308424	hyper	sig	chr3_42906656

chr13	35470775	35470775	+	4.512E-11	3.8398E-10	0.266219	hyper	sig	chr13_35470775
chr22	50178717	50178717	+	4.514E-11	3.8414E-10	0.247989	hyper	sig	chr22_50178717
chr11	1.03E+08	102768041	+	4.515E-11	3.8416E-10	0.23473	hyper	sig	chr11_102768041
chr18	77250945	77250945	+	4.516E-11	3.8429E-10	0.33575	hyper	sig	chr18_77250945
chr13	22926192	22926192	+	4.517E-11	3.8432E-10	0.331022	hyper	sig	chr13_22926192
chr16	55655565	55655565	+	4.519E-11	3.8454E-10	0.293935	hyper	sig	chr16_55655565
chr16	3018084	3018084	+	4.52E-11	3.8463E-10	0.222511	hyper	sig	chr16_3018084
chr16	1018700	1018700	+	4.521E-11	3.8469E-10	-0.26329	hypo	sig	chr16_1018700
chr20	45098399	45098399	+	4.524E-11	3.8492E-10	0.260809	hyper	sig	chr20_45098399
chr22	37024276	37024276	+	4.531E-11	3.8545E-10	-0.28147	hypo	sig	chr22_37024276
chr17	334234	334234	+	4.532E-11	3.8552E-10	0.201644	hyper	sig	chr17_334234
chr17	21397520	21397520	+	4.533E-11	3.8559E-10	0.285264	hyper	sig	chr17_21397520
chr14	52043983	52043983	+	4.533E-11	3.8563E-10	-0.20317	hypo	sig	chr14_52043983
chr12	54126537	54126537	+	4.533E-11	3.8564E-10	0.259366	hyper	sig	chr12_54126537
chr1	16532780	16532780	+	4.534E-11	3.857E-10	0.203555	hyper	sig	chr1_16532780
chr5	88694271	88694271	+	4.538E-11	3.8601E-10	0.222311	hyper	sig	chr5_88694271
chr2	1.32E+08	132010303	+	4.538E-11	3.8605E-10	0.238967	hyper	sig	chr2_132010303
chr17	74671537	74671537	+	4.54E-11	3.8614E-10	0.244556	hyper	sig	chr17_74671537
chr16	87964638	87964638	+	4.54E-11	3.8617E-10	0.264262	hyper	sig	chr16_87964638
chr6	1.69E+08	168887150	+	4.54E-11	3.8619E-10	-0.22467	hypo	sig	chr6_168887150
chr2	29920109	29920109	+	4.542E-11	3.8631E-10	0.28582	hyper	sig	chr2_29920109
chr2	2.39E+08	238890994	+	4.542E-11	3.8632E-10	-0.2604	hypo	sig	chr2_238890994
chr17	44559208	44559208	+	4.545E-11	3.8661E-10	0.259198	hyper	sig	chr17_44559208
chr7	1.02E+08	102440332	+	4.546E-11	3.8666E-10	-0.23962	hypo	sig	chr7_102440332
chr10	1.33E+08	132834639	+	4.547E-11	3.8674E-10	-0.22095	hypo	sig	chr10_132834639
chr7	1.42E+08	141695979	+	4.551E-11	3.8709E-10	-0.26916	hypo	sig	chr7_141695979
chr19	5290510	5290510	+	4.554E-11	3.8734E-10	-0.23583	hypo	sig	chr19_5290510
chr19	45783236	45783236	+	4.555E-11	3.8739E-10	0.248666	hyper	sig	chr19_45783236
chr10	1.15E+08	114876597	+	4.555E-11	3.8741E-10	-0.22474	hypo	sig	chr10_114876597
chr5	67166713	67166713	+	4.556E-11	3.8745E-10	-0.26573	hypo	sig	chr5_67166713
chr5	1.71E+08	171311055	+	4.557E-11	3.8754E-10	0.223532	hyper	sig	chr5_171311055
chr6	37658591	37658591	+	4.563E-11	3.8802E-10	-0.22853	hypo	sig	chr6_37658591
chr14	1.01E+08	101461674	+	4.568E-11	3.8844E-10	-0.28091	hypo	sig	chr14_101461674
chr13	94708117	94708117	+	4.569E-11	3.885E-10	0.23577	hyper	sig	chr13_94708117
chr8	1431629	1431629	+	4.574E-11	3.8893E-10	-0.20036	hypo	sig	chr8_1431629
chr7	69599955	69599955	+	4.577E-11	3.8917E-10	0.245079	hyper	sig	chr7_69599955
chr1	29319918	29319918	+	4.577E-11	3.8921E-10	-0.26267	hypo	sig	chr1_29319918
chr3	1.41E+08	141069671	+	4.578E-11	3.8924E-10	-0.21844	hypo	sig	chr3_141069671
chr1	42041118	42041118	+	4.585E-11	3.8983E-10	-0.24847	hypo	sig	chr1_42041118
chr11	44723894	44723894	+	4.587E-11	3.8998E-10	-0.2148	hypo	sig	chr11_44723894
chr5	2180772	2180772	+	4.588E-11	3.9008E-10	-0.25076	hypo	sig	chr5_2180772
chr18	79436278	79436278	+	4.589E-11	3.9015E-10	-0.20662	hypo	sig	chr18_79436278
chr1	3651308	3651308	+	4.59E-11	3.9021E-10	0.216115	hyper	sig	chr1_3651308
chr6	1.01E+08	101392453	+	4.59E-11	3.9021E-10	0.256461	hyper	sig	chr6_101392453
chr22	42648345	42648345	+	4.592E-11	3.9035E-10	-0.26236	hypo	sig	chr22_42648345
chr17	948545	948545	+	4.599E-11	3.9097E-10	0.202575	hyper	sig	chr17_948545
chr15	83283840	83283840	+	4.603E-11	3.9127E-10	0.229983	hyper	sig	chr15_83283840
chr9	1.36E+08	136202504	+	4.604E-11	3.9133E-10	0.220449	hyper	sig	chr9_136202504
chr10	45224452	45224452	+	4.605E-11	3.9139E-10	-0.22635	hypo	sig	chr10_45224452
chr4	7527220	7527220	+	4.606E-11	3.9152E-10	-0.22479	hypo	sig	chr4_7527220
chr6	33976158	33976158	+	4.606E-11	3.9152E-10	0.339231	hyper	sig	chr6_33976158
chr8	48835190	48835190	+	4.607E-11	3.9156E-10	-0.22674	hypo	sig	chr8_48835190
chr2	1.24E+08	124024724	+	4.614E-11	3.9213E-10	0.314639	hyper	sig	chr2_124024724
chr6	1388971	1388971	+	4.615E-11	3.9219E-10	0.229582	hyper	sig	chr6_1388971
chr5	1657273	1657273	+	4.619E-11	3.9255E-10	-0.25247	hypo	sig	chr5_1657273
chr6	32201155	32201155	+	4.62E-11	3.9264E-10	-0.26523	hypo	sig	chr6_32201155

chr15	75713802	75713802	+	4.621E-11	3.9267E-10	0.236914	hyper	sig	chr15_75713802
chr12	54047661	54047661	+	4.623E-11	3.9283E-10	0.244859	hyper	sig	chr12_54047661
chr7	1.58E+08	158263920	+	4.623E-11	3.9283E-10	-0.21972	hypo	sig	chr7_158263920
chr11	3435276	3435276	+	4.623E-11	3.9288E-10	-0.25011	hypo	sig	chr11_3435276
chr7	6101359	6101359	+	4.623E-11	3.929E-10	-0.21986	hypo	sig	chr7_6101359
chr20	63342855	63342855	+	4.624E-11	3.929E-10	-0.24816	hypo	sig	chr20_63342855
chr19	5915192	5915192	+	4.626E-11	3.9313E-10	0.282776	hyper	sig	chr19_5915192
chr15	89371867	89371867	+	4.629E-11	3.9338E-10	0.208616	hyper	sig	chr15_89371867
chr11	65592808	65592808	+	4.631E-11	3.9348E-10	0.249163	hyper	sig	chr11_65592808
chr13	1.12E+08	111534872	+	4.635E-11	3.9385E-10	0.234637	hyper	sig	chr13_111534872
chr10	79240039	79240039	+	4.636E-11	3.9394E-10	0.23581	hyper	sig	chr10_79240039
chr19	35351704	35351704	+	4.637E-11	3.9402E-10	-0.23866	hypo	sig	chr19_35351704
chr22	18157636	18157636	+	4.638E-11	3.9404E-10	0.254635	hyper	sig	chr22_18157636
chr21	45303221	45303221	+	4.643E-11	3.945E-10	-0.20038	hypo	sig	chr21_45303221
chr14	64601759	64601759	+	4.645E-11	3.9468E-10	0.203615	hyper	sig	chr14_64601759
chr10	1.33E+08	132637689	+	4.646E-11	3.9475E-10	0.21589	hyper	sig	chr10_132637689
chr17	48571138	48571138	+	4.648E-11	3.9493E-10	0.217901	hyper	sig	chr17_48571138
chr20	60090620	60090620	+	4.654E-11	3.9544E-10	0.217785	hyper	sig	chr20_60090620
chr5	1.5E+08	149932842	+	4.659E-11	3.9585E-10	0.258686	hyper	sig	chr5_149932842
chr16	643227	643227	+	4.663E-11	3.9613E-10	-0.25356	hypo	sig	chr16_643227
chr3	14305776	14305776	+	4.663E-11	3.9613E-10	-0.22821	hypo	sig	chr3_14305776
chr6	10887469	10887469	+	4.663E-11	3.9613E-10	0.209805	hyper	sig	chr6_10887469
chr12	1.13E+08	113112343	+	4.664E-11	3.9625E-10	0.226152	hyper	sig	chr12_113112343
chr19	50608420	50608420	+	4.666E-11	3.964E-10	0.241353	hyper	sig	chr19_50608420
chr12	1.24E+08	124395424	+	4.667E-11	3.9645E-10	0.236793	hyper	sig	chr12_124395424
chr1	1.13E+08	112748343	+	4.672E-11	3.9684E-10	-0.21219	hypo	sig	chr1_112748343
chr11	1.14E+08	113779757	+	4.676E-11	3.9716E-10	-0.22861	hypo	sig	chr11_113779757
chr5	1827611	1827611	+	4.677E-11	3.9731E-10	-0.22455	hypo	sig	chr5_1827611
chr7	8435835	8435835	+	4.681E-11	3.976E-10	0.255546	hyper	sig	chr7_8435835
chr19	17405903	17405903	+	4.682E-11	3.9768E-10	-0.22134	hypo	sig	chr19_17405903
chr6	1.1E+08	109978685	+	4.685E-11	3.9794E-10	0.219841	hyper	sig	chr6_109978685
chr11	18455786	18455786	+	4.689E-11	3.9825E-10	0.220451	hyper	sig	chr11_18455786
chr16	1534470	1534470	+	4.689E-11	3.9828E-10	0.228214	hyper	sig	chr16_1534470
chr22	37685486	37685486	+	4.69E-11	3.9833E-10	-0.20947	hypo	sig	chr22_37685486
chr6	33007583	33007583	+	4.692E-11	3.9847E-10	-0.20277	hypo	sig	chr6_33007583
chr5	51387780	51387780	+	4.694E-11	3.9866E-10	0.210673	hyper	sig	chr5_51387780
chr16	3055979	3055979	+	4.695E-11	3.9872E-10	0.236116	hyper	sig	chr16_3055979
chr11	1.25E+08	125083297	+	4.695E-11	3.9872E-10	-0.21291	hypo	sig	chr11_125083297
chr12	1.31E+08	131347422	+	4.698E-11	3.9901E-10	-0.22681	hypo	sig	chr12_131347422
chr5	525683	525683	+	4.702E-11	3.9929E-10	0.304112	hyper	sig	chr5_525683
chr10	1.33E+08	132685444	+	4.705E-11	3.9961E-10	-0.23124	hypo	sig	chr10_132685444
chr11	17743994	17743994	+	4.705E-11	3.9961E-10	-0.24104	hypo	sig	chr11_17743994
chr4	1747485	1747485	+	4.706E-11	3.9967E-10	-0.21568	hypo	sig	chr4_1747485
chr9	1.37E+08	136821323	+	4.707E-11	3.9976E-10	0.240828	hyper	sig	chr9_136821323
chr10	1.22E+08	121596230	+	4.708E-11	3.9977E-10	0.328689	hyper	sig	chr10_121596230
chr13	1.11E+08	111410310	+	4.709E-11	3.9987E-10	-0.26003	hypo	sig	chr13_111410310
chr15	22968493	22968493	+	4.71E-11	3.9997E-10	0.216619	hyper	sig	chr15_22968493
chr19	15437055	15437055	+	4.71E-11	3.9998E-10	-0.20111	hypo	sig	chr19_15437055
chr4	1.47E+08	146636980	+	4.71E-11	3.9998E-10	0.253273	hyper	sig	chr4_146636980
chr1	22637082	22637082	+	4.716E-11	4.0043E-10	-0.22261	hypo	sig	chr1_22637082
chr8	6806507	6806507	+	4.717E-11	4.0056E-10	-0.22936	hypo	sig	chr8_6806507
chr1	1165191	1165191	+	4.719E-11	4.0064E-10	-0.21992	hypo	sig	chr1_1165191
chr1	9198558	9198558	+	4.719E-11	4.0066E-10	0.299652	hyper	sig	chr1_9198558
chr9	1.27E+08	126625565	+	4.722E-11	4.0095E-10	0.255059	hyper	sig	chr9_126625565
chr17	3921081	3921081	+	4.725E-11	4.0112E-10	-0.20046	hypo	sig	chr17_3921081
chr16	3029883	3029883	+	4.729E-11	4.0145E-10	0.230648	hyper	sig	chr16_3029883

chr10	1.01E+08	100738633	+	4.731E-11	4.0168E-10	0.219853	hyper	sig	chr10_100738633
chr14	96042193	96042193	+	4.732E-11	4.0172E-10	-0.22492	hypo	sig	chr14_96042193
chr17	29155612	29155612	+	4.737E-11	4.0216E-10	-0.20854	hypo	sig	chr17_29155612
chr7	1.51E+08	151341421	+	4.75E-11	4.0319E-10	0.257329	hyper	sig	chr7_151341421
chr5	69415853	69415853	+	4.75E-11	4.0321E-10	-0.24973	hypo	sig	chr5_69415853
chr15	63597072	63597072	+	4.758E-11	4.039E-10	0.207962	hyper	sig	chr15_63597072
chr13	1.13E+08	112637509	+	4.762E-11	4.042E-10	0.210122	hyper	sig	chr13_112637509
chr11	1.34E+08	134416891	+	4.768E-11	4.0471E-10	-0.22736	hypo	sig	chr11_134416891
chr12	1.19E+08	119154301	+	4.769E-11	4.0473E-10	0.290207	hyper	sig	chr12_119154301
chr2	1.15E+08	114662443	+	4.77E-11	4.0484E-10	0.229891	hyper	sig	chr2_114662443
chr19	37403962	37403962	+	4.773E-11	4.051E-10	0.213175	hyper	sig	chr19_37403962
chr11	20163003	20163003	+	4.776E-11	4.0537E-10	0.231216	hyper	sig	chr11_20163003
chr17	17766678	17766678	+	4.777E-11	4.054E-10	0.2321	hyper	sig	chr17_17766678
chr20	36540977	36540977	+	4.777E-11	4.0543E-10	0.299513	hyper	sig	chr20_36540977
chr22	46531745	46531745	+	4.778E-11	4.0549E-10	-0.21795	hypo	sig	chr22_46531745
chr19	38812814	38812814	+	4.778E-11	4.055E-10	-0.29534	hypo	sig	chr19_38812814
chr6	1.5E+08	149940920	+	4.778E-11	4.0551E-10	0.219252	hyper	sig	chr6_149940920
chr1	5836593	5836593	+	4.781E-11	4.0574E-10	-0.2062	hypo	sig	chr1_5836593
chr16	29148892	29148892	+	4.785E-11	4.0603E-10	-0.21382	hypo	sig	chr16_29148892
chr18	59265075	59265075	+	4.788E-11	4.0633E-10	0.225982	hyper	sig	chr18_59265075
chr8	22815526	22815526	+	4.789E-11	4.0638E-10	-0.21767	hypo	sig	chr8_22815526
chr5	1952827	1952827	+	4.792E-11	4.0661E-10	0.207286	hyper	sig	chr5_1952827
chr14	95873477	95873477	+	4.792E-11	4.0665E-10	-0.28173	hypo	sig	chr14_95873477
chr13	46897929	46897929	+	4.793E-11	4.0668E-10	-0.20459	hypo	sig	chr13_46897929
chr12	1.08E+08	107901117	+	4.793E-11	4.0669E-10	-0.2106	hypo	sig	chr12_107901117
chr9	1.36E+08	136202562	+	4.793E-11	4.0671E-10	0.24642	hyper	sig	chr9_136202562
chr4	10458344	10458344	+	4.794E-11	4.0673E-10	-0.23403	hypo	sig	chr4_10458344
chr7	504888	504888	+	4.796E-11	4.0689E-10	-0.20686	hypo	sig	chr7_504888
chr1	1.07E+08	107480621	+	4.796E-11	4.0693E-10	0.264032	hyper	sig	chr1_107480621
chr12	1.32E+08	132480678	+	4.797E-11	4.0696E-10	-0.22613	hypo	sig	chr12_132480678
chr22	42646873	42646873	+	4.803E-11	4.0749E-10	0.201596	hyper	sig	chr22_42646873
chr12	3457010	3457010	+	4.804E-11	4.0753E-10	0.245992	hyper	sig	chr12_3457010
chr17	4788992	4788992	+	4.806E-11	4.0773E-10	-0.26999	hypo	sig	chr17_4788992
chr22	50281834	50281834	+	4.806E-11	4.0773E-10	-0.20998	hypo	sig	chr22_50281834
chr5	1.41E+08	141374737	+	4.806E-11	4.0773E-10	0.213306	hyper	sig	chr5_141374737
chr6	41407171	41407171	+	4.809E-11	4.0794E-10	0.207805	hyper	sig	chr6_41407171
chr22	46088166	46088166	+	4.811E-11	4.0809E-10	0.219553	hyper	sig	chr22_46088166
chr4	1.9E+08	190018792	+	4.812E-11	4.0824E-10	0.231189	hyper	sig	chr4_190018792
chr15	80251066	80251066	+	4.813E-11	4.0824E-10	0.212906	hyper	sig	chr15_80251066
chr9	1.38E+08	137788852	+	4.816E-11	4.085E-10	-0.34127	hypo	sig	chr9_137788852
chr7	65731914	65731914	+	4.817E-11	4.0863E-10	0.255393	hyper	sig	chr7_65731914
chr1	63319228	63319228	+	4.82E-11	4.0885E-10	0.247196	hyper	sig	chr1_63319228
chr13	51066824	51066824	+	4.821E-11	4.0894E-10	-0.21597	hypo	sig	chr13_51066824
chr3	1.98E+08	197520358	+	4.828E-11	4.0949E-10	-0.26029	hypo	sig	chr3_197520358
chr10	1.3E+08	130046800	+	4.831E-11	4.0977E-10	-0.21869	hypo	sig	chr10_130046800
chr17	50047731	50047731	+	4.831E-11	4.0978E-10	-0.24198	hypo	sig	chr17_50047731
chr21	41802860	41802860	+	4.834E-11	4.1E-10	0.24175	hyper	sig	chr21_41802860
chr6	3749606	3749606	+	4.837E-11	4.1028E-10	-0.2221	hypo	sig	chr6_3749606
chr6	1.67E+08	166656639	+	4.839E-11	4.1037E-10	-0.23002	hypo	sig	chr6_166656639
chr11	18209170	18209170	+	4.84E-11	4.1052E-10	0.304607	hyper	sig	chr11_18209170
chr4	1.74E+08	173518585	+	4.845E-11	4.1092E-10	0.237405	hyper	sig	chr4_173518585
chr7	1.55E+08	155465716	+	4.85E-11	4.1133E-10	0.235986	hyper	sig	chr7_155465716
chr15	26298670	26298670	+	4.852E-11	4.1146E-10	-0.24239	hypo	sig	chr15_26298670
chr14	1.07E+08	106802802	+	4.854E-11	4.1158E-10	-0.22058	hypo	sig	chr14_106802802
chr6	43015202	43015202	+	4.854E-11	4.1163E-10	0.231292	hyper	sig	chr6_43015202
chr2	11356913	11356913	+	4.86E-11	4.1209E-10	-0.24772	hypo	sig	chr2_11356913

chr1	64203442	64203442	+	4.862E-11	4.1223E-10	-0.21193	hypo	sig	chr1_64203442
chr10	1.01E+08	101224764	+	4.862E-11	4.1223E-10	0.23439	hyper	sig	chr10_101224764
chr7	56889648	56889648	+	4.862E-11	4.1223E-10	-0.20038	hypo	sig	chr7_56889648
chr17	897026	897026	+	4.868E-11	4.1278E-10	0.229874	hyper	sig	chr17_897026
chr10	1.32E+08	132272514	+	4.871E-11	4.13E-10	0.23521	hyper	sig	chr10_132272514
chr12	53975650	53975650	+	4.872E-11	4.1305E-10	0.212205	hyper	sig	chr12_53975650
chr7	1.57E+08	157003193	+	4.875E-11	4.1332E-10	0.244035	hyper	sig	chr7_157003193
chr1	2.02E+08	202213514	+	4.878E-11	4.1359E-10	-0.20079	hypo	sig	chr1_202213514
chr16	85832804	85832804	+	4.882E-11	4.1386E-10	-0.2439	hypo	sig	chr16_85832804
chr2	11634820	11634820	+	4.886E-11	4.1419E-10	-0.24688	hypo	sig	chr2_11634820
chr19	3178849	3178849	+	4.888E-11	4.1439E-10	-0.25227	hypo	sig	chr19_3178849
chr5	1.29E+08	129459816	+	4.889E-11	4.1444E-10	0.295436	hyper	sig	chr5_129459816
chr15	74422741	74422741	+	4.892E-11	4.1466E-10	-0.20306	hypo	sig	chr15_74422741
chr3	6861562	6861562	+	4.893E-11	4.1479E-10	0.274083	hyper	sig	chr3_6861562
chr19	40224518	40224518	+	4.894E-11	4.1487E-10	-0.26516	hypo	sig	chr19_40224518
chr2	1.28E+08	127664924	+	4.898E-11	4.1516E-10	0.204379	hyper	sig	chr2_127664924
chr6	1.68E+08	167664221	+	4.899E-11	4.1525E-10	-0.23924	hypo	sig	chr6_167664221
chr7	1.29E+08	128697597	+	4.9E-11	4.1531E-10	0.303834	hyper	sig	chr7_128697597
chr7	15685926	15685926	+	4.902E-11	4.1547E-10	0.225609	hyper	sig	chr7_15685926
chr4	6245813	6245813	+	4.902E-11	4.1552E-10	0.216182	hyper	sig	chr4_6245813
chr13	1.13E+08	112973174	+	4.903E-11	4.1554E-10	-0.24948	hypo	sig	chr13_112973174
chr3	27720863	27720863	+	4.903E-11	4.1554E-10	0.225299	hyper	sig	chr3_27720863
chr7	1.39E+08	138664097	+	4.905E-11	4.1572E-10	0.241797	hyper	sig	chr7_138664097
chr7	4113336	4113336	+	4.913E-11	4.1635E-10	-0.2216	hypo	sig	chr7_4113336
chr1	16227673	16227673	+	4.916E-11	4.1659E-10	0.216553	hyper	sig	chr1_16227673
chr12	1.3E+08	130476900	+	4.919E-11	4.1685E-10	0.230146	hyper	sig	chr12_130476900
chr16	88816806	88816806	+	4.922E-11	4.1705E-10	-0.22621	hypo	sig	chr16_88816806
chr13	1.11E+08	110562885	+	4.922E-11	4.1706E-10	-0.24627	hypo	sig	chr13_110562885
chr15	74133177	74133177	+	4.925E-11	4.1737E-10	0.269769	hyper	sig	chr15_74133177
chr6	1.65E+08	165309625	+	4.926E-11	4.1738E-10	0.237256	hyper	sig	chr6_165309625
chr1	32465697	32465697	+	4.928E-11	4.176E-10	0.221775	hyper	sig	chr1_32465697
chr13	20435970	20435970	+	4.93E-11	4.1775E-10	0.222965	hyper	sig	chr13_20435970
chr5	25911081	25911081	+	4.934E-11	4.1804E-10	-0.22097	hypo	sig	chr5_25911081
chr17	79925854	79925854	+	4.935E-11	4.1813E-10	-0.26432	hypo	sig	chr17_79925854
chr7	1.22E+08	121873574	+	4.936E-11	4.1823E-10	0.201611	hyper	sig	chr7_121873574
chr16	54175300	54175300	+	4.938E-11	4.1839E-10	-0.24113	hypo	sig	chr16_54175300
chr5	1.35E+08	135050463	+	4.938E-11	4.1843E-10	0.282895	hyper	sig	chr5_135050463
chr16	67190099	67190099	+	4.941E-11	4.1862E-10	0.200552	hyper	sig	chr16_67190099
chr2	5696601	5696601	+	4.947E-11	4.1912E-10	0.265626	hyper	sig	chr2_5696601
chr14	76123551	76123551	+	4.959E-11	4.2014E-10	-0.22358	hypo	sig	chr14_76123551
chr5	1.41E+08	141422910	+	4.963E-11	4.2042E-10	0.215192	hyper	sig	chr5_141422910
chr3	1.47E+08	147398168	+	4.963E-11	4.2045E-10	0.243997	hyper	sig	chr3_147398168
chr11	1.32E+08	131691896	+	4.967E-11	4.2077E-10	0.212259	hyper	sig	chr11_131691896
chr1	43587709	43587709	+	4.972E-11	4.2116E-10	0.208148	hyper	sig	chr1_43587709
chr8	54454207	54454207	+	4.974E-11	4.2132E-10	0.289904	hyper	sig	chr8_54454207
chr13	1.11E+08	110990192	+	4.975E-11	4.214E-10	-0.27438	hypo	sig	chr13_110990192
chr11	1.29E+08	128689273	+	4.98E-11	4.2182E-10	0.260165	hyper	sig	chr11_128689273
chr12	1.32E+08	132347299	+	4.98E-11	4.2183E-10	-0.26451	hypo	sig	chr12_132347299
chr19	37790583	37790583	+	4.985E-11	4.222E-10	0.250345	hyper	sig	chr19_37790583
chr19	3178904	3178904	+	4.989E-11	4.2257E-10	-0.24517	hypo	sig	chr19_3178904
chr8	38651062	38651062	+	4.996E-11	4.231E-10	0.295365	hyper	sig	chr8_38651062
chr6	43075946	43075946	+	4.997E-11	4.2325E-10	0.244725	hyper	sig	chr6_43075946
chr7	99580265	99580265	+	4.998E-11	4.2326E-10	0.201995	hyper	sig	chr7_99580265
chr15	25245598	25245598	+	4.998E-11	4.2327E-10	-0.21732	hypo	sig	chr15_25245598
chr6	1.7E+08	170423298	+	5E-11	4.2347E-10	0.239535	hyper	sig	chr6_170423298
chr1	2.21E+08	220895111	+	5.001E-11	4.2349E-10	0.218932	hyper	sig	chr1_220895111

chr12	49334388	49334388	+	5.001E-11	4.235E-10	0.234841	hyper	sig	chr12_49334388
chr16	79589943	79589943	+	5.004E-11	4.2377E-10	0.211342	hyper	sig	chr16_79589943
chr2	2.02E+08	202036264	+	5.004E-11	4.2378E-10	0.349568	hyper	sig	chr2_202036264
chr19	617296	617296	+	5.007E-11	4.2401E-10	-0.21406	hypo	sig	chr19_617296
chr7	1055316	1055316	+	5.01E-11	4.2424E-10	0.250697	hyper	sig	chr7_1055316
chr13	36432045	36432045	+	5.01E-11	4.2425E-10	0.265586	hyper	sig	chr13_36432045
chr6	1.6E+08	160091032	+	5.011E-11	4.2434E-10	-0.22612	hypo	sig	chr6_160091032
chr16	84226180	84226180	+	5.011E-11	4.2436E-10	-0.20151	hypo	sig	chr16_84226180
chr20	46252395	46252395	+	5.012E-11	4.2439E-10	-0.27587	hypo	sig	chr20_46252395
chr9	1.07E+08	106500663	+	5.013E-11	4.2445E-10	-0.27955	hypo	sig	chr9_106500663
chr5	32712856	32712856	+	5.013E-11	4.2448E-10	0.2572	hyper	sig	chr5_32712856
chr20	56004673	56004673	+	5.018E-11	4.2484E-10	0.302833	hyper	sig	chr20_56004673
chr17	7855631	7855631	+	5.026E-11	4.2551E-10	0.267271	hyper	sig	chr17_7855631
chr12	52014813	52014813	+	5.028E-11	4.2568E-10	0.304956	hyper	sig	chr12_52014813
chr15	1.01E+08	100544856	+	5.029E-11	4.2579E-10	0.211802	hyper	sig	chr15_100544856
chr19	12195078	12195078	+	5.03E-11	4.2589E-10	0.221834	hyper	sig	chr19_12195078
chr10	1.33E+08	133309740	+	5.031E-11	4.2591E-10	-0.20436	hypo	sig	chr10_133309740
chr5	1.41E+08	141389810	+	5.032E-11	4.2602E-10	0.267214	hyper	sig	chr5_141389810
chr8	1.41E+08	141445870	+	5.037E-11	4.2642E-10	-0.26242	hypo	sig	chr8_141445870
chr4	9381039	9381039	+	5.037E-11	4.2645E-10	-0.22159	hypo	sig	chr4_9381039
chr19	40567679	40567679	+	5.038E-11	4.2648E-10	0.253974	hyper	sig	chr19_40567679
chr15	26866241	26866241	+	5.038E-11	4.265E-10	-0.2137	hypo	sig	chr15_26866241
chr10	3131373	3131373	+	5.039E-11	4.2656E-10	-0.23031	hypo	sig	chr10_3131373
chr2	2.02E+08	201619164	+	5.039E-11	4.2662E-10	0.227686	hyper	sig	chr2_201619164
chr15	64776469	64776469	+	5.042E-11	4.2682E-10	0.283149	hyper	sig	chr15_64776469
chr16	1128460	1128460	+	5.043E-11	4.2691E-10	-0.25527	hypo	sig	chr16_1128460
chr5	1.41E+08	141442117	+	5.043E-11	4.2695E-10	0.259074	hyper	sig	chr5_141442117
chr2	2.4E+08	239933047	+	5.044E-11	4.2696E-10	-0.25587	hypo	sig	chr2_239933047
chr4	1.44E+08	143912297	+	5.044E-11	4.2696E-10	0.30957	hyper	sig	chr4_143912297
chr8	1.43E+08	143212220	+	5.045E-11	4.271E-10	-0.21541	hypo	sig	chr8_143212220
chr13	29497466	29497466	+	5.046E-11	4.2714E-10	-0.20313	hypo	sig	chr13_29497466
chr7	1.57E+08	157003240	+	5.046E-11	4.2716E-10	0.284803	hyper	sig	chr7_157003240
chr12	80708860	80708860	+	5.047E-11	4.2724E-10	0.202042	hyper	sig	chr12_80708860
chr1	1.83E+08	182952762	+	5.048E-11	4.2728E-10	0.337242	hyper	sig	chr1_182952762
chr2	1.23E+08	122661207	+	5.056E-11	4.2793E-10	0.247836	hyper	sig	chr2_122661207
chr21	42315734	42315734	+	5.057E-11	4.2804E-10	-0.20914	hypo	sig	chr21_42315734
chr2	193243	193243	+	5.059E-11	4.2821E-10	-0.22049	hypo	sig	chr2_193243
chr10	1.33E+08	132508788	+	5.063E-11	4.2852E-10	0.245485	hyper	sig	chr10_132508788
chr17	83093207	83093207	+	5.064E-11	4.2861E-10	0.228125	hyper	sig	chr17_83093207
chr12	3454298	3454298	+	5.068E-11	4.2889E-10	-0.23204	hypo	sig	chr12_3454298
chr3	39189786	39189786	+	5.069E-11	4.2896E-10	-0.23765	hypo	sig	chr3_39189786
chr6	6534645	6534645	+	5.071E-11	4.2914E-10	-0.33618	hypo	sig	chr6_6534645
chr5	1103155	1103155	+	5.076E-11	4.2956E-10	0.20048	hyper	sig	chr5_1103155
chr19	40225934	40225934	+	5.076E-11	4.2957E-10	0.253896	hyper	sig	chr19_40225934
chr12	1500297	1500297	+	5.077E-11	4.2966E-10	-0.20628	hypo	sig	chr12_1500297
chr2	2E+08	200178293	+	5.08E-11	4.2992E-10	-0.24322	hypo	sig	chr2_200178293
chr1	2.08E+08	207645258	+	5.081E-11	4.2995E-10	0.293037	hyper	sig	chr1_207645258
chr17	48542561	48542561	+	5.082E-11	4.3007E-10	0.258409	hyper	sig	chr17_48542561
chr1	2073704	2073704	+	5.084E-11	4.3018E-10	0.285917	hyper	sig	chr1_2073704
chr12	48184487	48184487	+	5.084E-11	4.3021E-10	0.24952	hyper	sig	chr12_48184487
chr10	1.3E+08	129854809	+	5.085E-11	4.303E-10	-0.24202	hypo	sig	chr10_129854809
chr6	37649074	37649074	+	5.086E-11	4.304E-10	0.280993	hyper	sig	chr6_37649074
chr20	63069023	63069023	+	5.094E-11	4.31E-10	-0.26787	hypo	sig	chr20_63069023
chr5	1.41E+08	141077982	+	5.095E-11	4.3105E-10	0.204058	hyper	sig	chr5_141077982
chr9	1.33E+08	133474344	+	5.095E-11	4.3111E-10	-0.26117	hypo	sig	chr9_133474344
chr14	23382051	23382051	+	5.098E-11	4.3136E-10	-0.21925	hypo	sig	chr14_23382051

chr3	13932904	13932904	+	5.104E-11	4.3184E-10	0.258488	hyper	sig	chr3_13932904
chr2	1.81E+08	181456769	+	5.104E-11	4.3184E-10	0.203933	hyper	sig	chr2_181456769
chr22	40679729	40679729	+	5.105E-11	4.3192E-10	0.293091	hyper	sig	chr22_40679729
chr7	43311579	43311579	+	5.106E-11	4.32E-10	-0.24716	hypo	sig	chr7_43311579
chr16	3193319	3193319	+	5.107E-11	4.3204E-10	0.200461	hyper	sig	chr16_3193319
chr14	99319883	99319883	+	5.109E-11	4.322E-10	-0.20226	hypo	sig	chr14_99319883
chr1	1.52E+08	151839149	+	5.11E-11	4.3231E-10	0.23659	hyper	sig	chr1_151839149
chr13	78595837	78595837	+	5.114E-11	4.3258E-10	0.216356	hyper	sig	chr13_78595837
chr20	63406307	63406307	+	5.117E-11	4.3282E-10	-0.27165	hypo	sig	chr20_63406307
chr8	1.43E+08	142612934	+	5.117E-11	4.3286E-10	-0.24558	hypo	sig	chr8_142612934
chr11	65471680	65471680	+	5.12E-11	4.3306E-10	0.246884	hyper	sig	chr11_65471680
chr2	1.21E+08	120766118	+	5.121E-11	4.3313E-10	0.228199	hyper	sig	chr2_120766118
chr3	50372416	50372416	+	5.124E-11	4.334E-10	-0.21619	hypo	sig	chr3_50372416
chr7	55449213	55449213	+	5.129E-11	4.3383E-10	0.280355	hyper	sig	chr7_55449213
chr7	1.55E+08	155374194	+	5.136E-11	4.3439E-10	0.281111	hyper	sig	chr7_155374194
chr7	120520	120520	+	5.136E-11	4.3439E-10	-0.24161	hypo	sig	chr7_120520
chr4	7250842	7250842	+	5.139E-11	4.3461E-10	0.251337	hyper	sig	chr4_7250842
chr18	11752137	11752137	+	5.14E-11	4.347E-10	0.261667	hyper	sig	chr18_11752137
chr2	1.18E+08	117859686	+	5.143E-11	4.3494E-10	0.254995	hyper	sig	chr2_117859686
chr10	1.05E+08	104641545	+	5.145E-11	4.3508E-10	0.223629	hyper	sig	chr10_104641545
chr7	1.59E+08	158570064	+	5.146E-11	4.3514E-10	0.259771	hyper	sig	chr7_158570064
chr1	32703955	32703955	+	5.147E-11	4.3523E-10	0.244449	hyper	sig	chr1_32703955
chr9	1.36E+08	135561104	+	5.151E-11	4.3557E-10	-0.21769	hypo	sig	chr9_135561104
chr2	2.39E+08	239397044	+	5.157E-11	4.3607E-10	0.272475	hyper	sig	chr2_239397044
chr18	12259045	12259045	+	5.158E-11	4.3618E-10	-0.24368	hypo	sig	chr18_12259045
chr11	1.18E+08	118142778	+	5.159E-11	4.3621E-10	-0.25972	hypo	sig	chr11_118142778
chr1	1.9E+08	190478160	+	5.159E-11	4.3625E-10	0.266025	hyper	sig	chr1_190478160
chr14	75124246	75124246	+	5.162E-11	4.365E-10	-0.21311	hypo	sig	chr14_75124246
chr2	96527399	96527399	+	5.164E-11	4.3664E-10	0.238362	hyper	sig	chr2_96527399
chr7	1621333	1621333	+	5.167E-11	4.3684E-10	-0.23099	hypo	sig	chr7_1621333
chr6	37078093	37078093	+	5.17E-11	4.3712E-10	0.279016	hyper	sig	chr6_37078093
chr16	1258267	1258267	+	5.178E-11	4.3778E-10	-0.26759	hypo	sig	chr16_1258267
chr19	3456447	3456447	+	5.178E-11	4.378E-10	0.237153	hyper	sig	chr19_3456447
chr19	58356378	58356378	+	5.182E-11	4.3807E-10	0.231124	hyper	sig	chr19_58356378
chr6	31575870	31575870	+	5.186E-11	4.3845E-10	-0.23677	hypo	sig	chr6_31575870
chr5	1.77E+08	177366995	+	5.19E-11	4.3877E-10	0.247118	hyper	sig	chr5_177366995
chr19	40170423	40170423	+	5.191E-11	4.388E-10	0.219332	hyper	sig	chr19_40170423
chr12	6362016	6362016	+	5.196E-11	4.3926E-10	-0.25132	hypo	sig	chr12_6362016
chr18	46560530	46560530	+	5.208E-11	4.4023E-10	-0.23154	hypo	sig	chr18_46560530
chr18	58859363	58859363	+	5.214E-11	4.4067E-10	0.237934	hyper	sig	chr18_58859363
chr2	2.4E+08	240454706	+	5.214E-11	4.4069E-10	-0.20115	hypo	sig	chr2_240454706
chr7	1.44E+08	143885453	+	5.215E-11	4.4074E-10	0.209538	hyper	sig	chr7_143885453
chr7	80919840	80919840	+	5.217E-11	4.4097E-10	-0.22282	hypo	sig	chr7_80919840
chr3	1.97E+08	197019303	+	5.224E-11	4.4151E-10	-0.2747	hypo	sig	chr3_197019303
chr19	50428208	50428208	+	5.224E-11	4.4153E-10	0.22327	hyper	sig	chr19_50428208
chr14	36659585	36659585	+	5.225E-11	4.4157E-10	0.21364	hyper	sig	chr14_36659585
chr3	62368119	62368119	+	5.228E-11	4.4183E-10	0.251865	hyper	sig	chr3_62368119
chr7	1.41E+08	140527535	+	5.228E-11	4.4185E-10	-0.22905	hypo	sig	chr7_140527535
chr16	68642807	68642807	+	5.229E-11	4.4191E-10	0.241161	hyper	sig	chr16_68642807
chr1	1.56E+08	156136136	+	5.234E-11	4.423E-10	0.24434	hyper	sig	chr1_156136136
chr19	18789781	18789781	+	5.234E-11	4.4234E-10	0.200003	hyper	sig	chr19_18789781
chr7	2699252	2699252	+	5.236E-11	4.4246E-10	-0.21478	hypo	sig	chr7_2699252
chr2	443413	443413	+	5.237E-11	4.4259E-10	-0.24691	hypo	sig	chr2_443413
chr11	1.16E+08	115760801	+	5.238E-11	4.4264E-10	-0.24186	hypo	sig	chr11_115760801
chr19	17821496	17821496	+	5.24E-11	4.4281E-10	0.254692	hyper	sig	chr19_17821496
chr2	7097092	7097092	+	5.24E-11	4.4281E-10	-0.23858	hypo	sig	chr2_7097092

chr6	43769070	43769070	+	5.242E-11	4.4295E-10	0.207151	hyper	sig	chr6_43769070
chr16	8958726	8958726	+	5.243E-11	4.4298E-10	-0.22104	hypo	sig	chr16_8958726
chr20	63534220	63534220	+	5.243E-11	4.4299E-10	0.21798	hyper	sig	chr20_63534220
chr16	49278610	49278610	+	5.246E-11	4.4326E-10	0.238435	hyper	sig	chr16_49278610
chr3	46998873	46998873	+	5.246E-11	4.433E-10	0.235353	hyper	sig	chr3_46998873
chr15	65392620	65392620	+	5.247E-11	4.4335E-10	-0.26435	hypo	sig	chr15_65392620
chr17	78121571	78121571	+	5.25E-11	4.436E-10	-0.26949	hypo	sig	chr17_78121571
chr13	1.12E+08	111953532	+	5.253E-11	4.4379E-10	-0.20218	hypo	sig	chr13_111953532
chr1	90724933	90724933	+	5.254E-11	4.4389E-10	0.289074	hyper	sig	chr1_90724933
chr8	42154940	42154940	+	5.258E-11	4.4423E-10	-0.24495	hypo	sig	chr8_42154940
chr2	2.36E+08	235640084	+	5.26E-11	4.4435E-10	0.235915	hyper	sig	chr2_235640084
chr16	85652388	85652388	+	5.26E-11	4.4437E-10	0.262278	hyper	sig	chr16_85652388
chr9	89178678	89178678	+	5.261E-11	4.4445E-10	0.225306	hyper	sig	chr9_89178678
chr13	1.07E+08	106530682	+	5.263E-11	4.4462E-10	-0.27298	hypo	sig	chr13_106530682
chr7	181802	181802	+	5.269E-11	4.4511E-10	-0.2414	hypo	sig	chr7_181802
chr5	1.41E+08	140672407	+	5.271E-11	4.4529E-10	0.235132	hyper	sig	chr5_140672407
chr7	1247902	1247902	+	5.272E-11	4.4532E-10	0.236798	hyper	sig	chr7_1247902
chr19	3136021	3136021	+	5.274E-11	4.4551E-10	-0.23466	hypo	sig	chr19_3136021
chr16	68642751	68642751	+	5.278E-11	4.4584E-10	0.24726	hyper	sig	chr16_68642751
chr1	17287649	17287649	+	5.281E-11	4.4609E-10	-0.202	hypo	sig	chr1_17287649
chr17	42785254	42785254	+	5.283E-11	4.4618E-10	0.272124	hyper	sig	chr17_42785254
chr5	1.34E+08	134115921	+	5.292E-11	4.4693E-10	-0.21887	hypo	sig	chr5_134115921
chr2	26188932	26188932	+	5.295E-11	4.4721E-10	-0.27188	hypo	sig	chr2_26188932
chr21	44905974	44905974	+	5.299E-11	4.4755E-10	-0.33102	hypo	sig	chr21_44905974
chr5	1.41E+08	141152471	+	5.301E-11	4.477E-10	0.236812	hyper	sig	chr5_141152471
chr14	1.04E+08	104133712	+	5.303E-11	4.4781E-10	-0.22903	hypo	sig	chr14_104133712
chr9	1.37E+08	136846500	+	5.303E-11	4.4783E-10	0.213007	hyper	sig	chr9_136846500
chr17	78117632	78117632	+	5.307E-11	4.4818E-10	0.250736	hyper	sig	chr17_78117632
chr19	58204233	58204233	+	5.311E-11	4.4851E-10	0.247639	hyper	sig	chr19_58204233
chr1	3071046	3071046	+	5.313E-11	4.4863E-10	0.258113	hyper	sig	chr1_3071046
chr16	775198	775198	+	5.314E-11	4.4871E-10	-0.28414	hypo	sig	chr16_775198
chr1	1211424	1211424	+	5.316E-11	4.489E-10	-0.23635	hypo	sig	chr1_1211424
chr17	49972939	49972939	+	5.318E-11	4.4902E-10	0.222516	hyper	sig	chr17_49972939
chr17	60136220	60136220	+	5.318E-11	4.4903E-10	-0.22656	hypo	sig	chr17_60136220
chr1	1.6E+08	160400072	+	5.318E-11	4.4905E-10	0.231641	hyper	sig	chr1_160400072
chr2	2.33E+08	232634023	+	5.319E-11	4.4907E-10	0.241523	hyper	sig	chr2_232634023
chr2	72140621	72140621	+	5.319E-11	4.4909E-10	-0.26732	hypo	sig	chr2_72140621
chr11	1926447	1926447	+	5.319E-11	4.491E-10	-0.22096	hypo	sig	chr11_1926447
chr22	46375158	46375158	+	5.321E-11	4.4922E-10	-0.25631	hypo	sig	chr22_46375158
chr19	58217055	58217055	+	5.322E-11	4.4931E-10	0.280519	hyper	sig	chr19_58217055
chr18	78855457	78855457	+	5.324E-11	4.4947E-10	-0.26443	hypo	sig	chr18_78855457
chr1	16227884	16227884	+	5.327E-11	4.4975E-10	0.270171	hyper	sig	chr1_16227884
chr16	84045326	84045326	+	5.327E-11	4.4975E-10	0.282585	hyper	sig	chr16_84045326
chr7	35538693	35538693	+	5.328E-11	4.498E-10	-0.30004	hypo	sig	chr7_35538693
chr4	1.72E+08	171813517	+	5.329E-11	4.4987E-10	0.295194	hyper	sig	chr4_171813517
chr19	17682671	17682671	+	5.335E-11	4.5033E-10	-0.23155	hypo	sig	chr19_17682671
chr13	1.12E+08	112253895	+	5.337E-11	4.5054E-10	-0.2331	hypo	sig	chr13_112253895
chr17	83063894	83063894	+	5.343E-11	4.5102E-10	-0.20925	hypo	sig	chr17_83063894
chr5	1.59E+08	159095458	+	5.345E-11	4.5117E-10	0.20322	hyper	sig	chr5_159095458
chr19	40365743	40365743	+	5.347E-11	4.5135E-10	0.251341	hyper	sig	chr19_40365743
chr7	1.57E+08	157006447	+	5.349E-11	4.5149E-10	0.203506	hyper	sig	chr7_157006447
chr6	52839607	52839607	+	5.35E-11	4.5157E-10	-0.20904	hypo	sig	chr6_52839607
chr17	5097957	5097957	+	5.35E-11	4.5161E-10	0.217221	hyper	sig	chr17_5097957
chr1	75128322	75128322	+	5.352E-11	4.517E-10	0.208252	hyper	sig	chr1_75128322
chr19	55376559	55376559	+	5.352E-11	4.517E-10	-0.2416	hypo	sig	chr19_55376559
chr9	1.37E+08	136656498	+	5.352E-11	4.5174E-10	-0.23786	hypo	sig	chr9_136656498

chr1	17149598	17149598	+	5.357E-11	4.5209E-10	0.210982	hyper	sig	chr1_17149598
chr4	26061387	26061387	+	5.357E-11	4.5214E-10	-0.20938	hypo	sig	chr4_26061387
chr5	1.41E+08	141385112	+	5.358E-11	4.5222E-10	0.211181	hyper	sig	chr5_141385112
chr16	85574411	85574411	+	5.358E-11	4.5223E-10	0.226429	hyper	sig	chr16_85574411
chr1	16227851	16227851	+	5.36E-11	4.5233E-10	0.285872	hyper	sig	chr1_16227851
chr4	1.23E+08	122826465	+	5.36E-11	4.524E-10	0.262426	hyper	sig	chr4_122826465
chr5	1.41E+08	141422968	+	5.364E-11	4.5268E-10	0.267032	hyper	sig	chr5_141422968
chr19	15457801	15457801	+	5.37E-11	4.5321E-10	0.251522	hyper	sig	chr19_15457801
chr20	2536988	2536988	+	5.373E-11	4.5343E-10	-0.20955	hypo	sig	chr20_2536988
chr10	1.32E+08	132329944	+	5.374E-11	4.5352E-10	-0.24495	hypo	sig	chr10_132329944
chr2	20107042	20107042	+	5.376E-11	4.5367E-10	0.205342	hyper	sig	chr2_20107042
chr3	1.25E+08	125141947	+	5.377E-11	4.5372E-10	0.254693	hyper	sig	chr3_125141947
chr5	362397	362397	+	5.378E-11	4.5387E-10	-0.26935	hypo	sig	chr5_362397
chr6	49628421	49628421	+	5.382E-11	4.5416E-10	-0.22024	hypo	sig	chr6_49628421
chr6	32077092	32077092	+	5.383E-11	4.5424E-10	-0.21232	hypo	sig	chr6_32077092
chr22	37071680	37071680	+	5.384E-11	4.5433E-10	-0.22379	hypo	sig	chr22_37071680
chr7	44105718	44105718	+	5.384E-11	4.5434E-10	0.233717	hyper	sig	chr7_44105718
chr4	24810195	24810195	+	5.386E-11	4.545E-10	0.206199	hyper	sig	chr4_24810195
chr6	1.18E+08	117548313	+	5.387E-11	4.5452E-10	0.221085	hyper	sig	chr6_117548313
chr4	37244190	37244190	+	5.387E-11	4.5454E-10	0.201927	hyper	sig	chr4_37244190
chr20	31485773	31485773	+	5.394E-11	4.5509E-10	0.279698	hyper	sig	chr20_31485773
chr8	68332209	68332209	+	5.396E-11	4.5529E-10	0.246966	hyper	sig	chr8_68332209
chr6	88047693	88047693	+	5.396E-11	4.5531E-10	0.255662	hyper	sig	chr6_88047693
chr11	64858789	64858789	+	5.398E-11	4.5546E-10	-0.265	hypo	sig	chr11_64858789
chr7	4769247	4769247	+	5.4E-11	4.5557E-10	0.206993	hyper	sig	chr7_4769247
chr2	1.72E+08	172108023	+	5.402E-11	4.5574E-10	0.221104	hyper	sig	chr2_172108023
chr10	1.33E+08	132976276	+	5.402E-11	4.5574E-10	-0.20711	hypo	sig	chr10_132976276
chr9	1.34E+08	133950943	+	5.402E-11	4.5578E-10	0.222159	hyper	sig	chr9_133950943
chr1	63316819	63316819	+	5.404E-11	4.5589E-10	0.289878	hyper	sig	chr1_63316819
chr9	97857703	97857703	+	5.405E-11	4.5595E-10	0.228431	hyper	sig	chr9_97857703
chr1	1.96E+08	195722090	+	5.406E-11	4.5608E-10	-0.23135	hypo	sig	chr1_195722090
chr19	58217178	58217178	+	5.407E-11	4.5618E-10	0.218943	hyper	sig	chr19_58217178
chr12	1.3E+08	130162744	+	5.41E-11	4.5637E-10	0.213591	hyper	sig	chr12_130162744
chr11	1652425	1652425	+	5.41E-11	4.5641E-10	-0.21195	hypo	sig	chr11_1652425
chr6	33168520	33168520	+	5.411E-11	4.5647E-10	-0.24038	hypo	sig	chr6_33168520
chr16	87432170	87432170	+	5.413E-11	4.5657E-10	0.202187	hyper	sig	chr16_87432170
chr10	7407763	7407763	+	5.417E-11	4.5693E-10	0.244718	hyper	sig	chr10_7407763
chr2	310044	310044	+	5.418E-11	4.57E-10	-0.21666	hypo	sig	chr2_310044
chr2	27307671	27307671	+	5.42E-11	4.5713E-10	0.246615	hyper	sig	chr2_27307671
chr8	56117873	56117873	+	5.42E-11	4.5715E-10	0.226462	hyper	sig	chr8_56117873
chr3	9136068	9136068	+	5.423E-11	4.5744E-10	0.260744	hyper	sig	chr3_9136068
chr22	31098795	31098795	+	5.426E-11	4.5764E-10	0.323321	hyper	sig	chr22_31098795
chr16	85270898	85270898	+	5.427E-11	4.5772E-10	-0.29353	hypo	sig	chr16_85270898
chr7	4822710	4822710	+	5.432E-11	4.5815E-10	-0.25836	hypo	sig	chr7_4822710
chr7	1.59E+08	158995478	+	5.435E-11	4.5834E-10	-0.22485	hypo	sig	chr7_158995478
chr5	3606463	3606463	+	5.436E-11	4.5848E-10	0.23964	hyper	sig	chr5_3606463
chr16	30997921	30997921	+	5.438E-11	4.5863E-10	-0.24627	hypo	sig	chr16_30997921
chr9	1.37E+08	137062894	+	5.444E-11	4.591E-10	-0.22428	hypo	sig	chr9_137062894
chr11	1.19E+08	118971912	+	5.445E-11	4.5923E-10	0.297598	hyper	sig	chr11_118971912
chr17	50585422	50585422	+	5.446E-11	4.593E-10	-0.2545	hypo	sig	chr17_50585422
chr21	33024793	33024793	+	5.446E-11	4.593E-10	0.211562	hyper	sig	chr21_33024793
chr2	2.24E+08	224441294	+	5.447E-11	4.5938E-10	-0.22051	hypo	sig	chr2_224441294
chr15	74136719	74136719	+	5.451E-11	4.5964E-10	0.227562	hyper	sig	chr15_74136719
chr19	35560890	35560890	+	5.452E-11	4.5971E-10	-0.27743	hypo	sig	chr19_35560890
chr1	16238133	16238133	+	5.452E-11	4.5972E-10	-0.2572	hypo	sig	chr1_16238133
chr10	1182552	1182552	+	5.453E-11	4.5981E-10	-0.20071	hypo	sig	chr10_1182552

chr2	96527411	96527411	+	5.453E-11	4.5981E-10	0.242839	hyper	sig	chr2_96527411
chr9	1.37E+08	136964755	+	5.454E-11	4.5991E-10	-0.3493	hypo	sig	chr9_136964755
chr3	10337543	10337543	+	5.455E-11	4.6E-10	-0.23873	hypo	sig	chr3_10337543
chr17	82347074	82347074	+	5.456E-11	4.6003E-10	-0.22981	hypo	sig	chr17_82347074
chr1	50416405	50416405	+	5.456E-11	4.6004E-10	0.230418	hyper	sig	chr1_50416405
chr19	39318884	39318884	+	5.458E-11	4.6017E-10	-0.20528	hypo	sig	chr19_39318884
chr14	1.01E+08	101065769	+	5.462E-11	4.6049E-10	-0.20171	hypo	sig	chr14_101065769
chr5	1.41E+08	140850278	+	5.467E-11	4.6093E-10	0.272974	hyper	sig	chr5_140850278
chr9	1.37E+08	136807129	+	5.471E-11	4.6123E-10	-0.21302	hypo	sig	chr9_136807129
chr16	11237016	11237016	+	5.475E-11	4.6159E-10	-0.2157	hypo	sig	chr16_11237016
chr9	971825	971825	+	5.476E-11	4.617E-10	0.261493	hyper	sig	chr9_971825
chr2	2E+08	199604280	+	5.478E-11	4.6182E-10	0.220502	hyper	sig	chr2_199604280
chr16	67884990	67884990	+	5.479E-11	4.6188E-10	0.265531	hyper	sig	chr16_67884990
chr1	24736434	24736434	+	5.48E-11	4.6196E-10	0.212848	hyper	sig	chr1_24736434
chr2	38075202	38075202	+	5.481E-11	4.6205E-10	0.348481	hyper	sig	chr2_38075202
chr1	47696766	47696766	+	5.483E-11	4.6225E-10	-0.2615	hypo	sig	chr1_47696766
chr11	73362028	73362028	+	5.483E-11	4.6226E-10	-0.20246	hypo	sig	chr11_73362028
chr21	33021252	33021252	+	5.491E-11	4.6286E-10	0.228574	hyper	sig	chr21_33021252
chr5	1.73E+08	173243887	+	5.495E-11	4.6323E-10	0.215702	hyper	sig	chr5_173243887
chr19	43535589	43535589	+	5.496E-11	4.6332E-10	0.249113	hyper	sig	chr19_43535589
chr12	75208164	75208164	+	5.498E-11	4.6344E-10	0.277617	hyper	sig	chr12_75208164
chr19	14005307	14005307	+	5.499E-11	4.6349E-10	-0.23324	hypo	sig	chr19_14005307
chr5	83472685	83472685	+	5.502E-11	4.6378E-10	0.232622	hyper	sig	chr5_83472685
chr1	98044740	98044740	+	5.516E-11	4.6487E-10	0.218016	hyper	sig	chr1_98044740
chr1	1.48E+08	148160524	+	5.516E-11	4.6493E-10	0.246689	hyper	sig	chr1_148160524
chr4	3494603	3494603	+	5.517E-11	4.6499E-10	0.233038	hyper	sig	chr4_3494603
chr5	1.41E+08	140843462	+	5.518E-11	4.6508E-10	0.215178	hyper	sig	chr5_140843462
chr5	1.41E+08	141235964	+	5.523E-11	4.6543E-10	0.236128	hyper	sig	chr5_141235964
chr10	1.29E+08	129353438	+	5.523E-11	4.6549E-10	-0.20743	hypo	sig	chr10_129353438
chr2	74516534	74516534	+	5.527E-11	4.6574E-10	0.268732	hyper	sig	chr2_74516534
chr1	2043405	2043405	+	5.529E-11	4.6597E-10	-0.22469	hypo	sig	chr1_2043405
chr13	1.13E+08	113413949	+	5.531E-11	4.6609E-10	0.228761	hyper	sig	chr13_113413949
chr1	28813222	28813222	+	5.537E-11	4.666E-10	-0.24539	hypo	sig	chr1_28813222
chr4	95840523	95840523	+	5.537E-11	4.666E-10	-0.21152	hypo	sig	chr4_95840523
chr12	81078265	81078265	+	5.538E-11	4.6666E-10	0.231203	hyper	sig	chr12_81078265
chr6	1.34E+08	134176520	+	5.54E-11	4.6685E-10	0.213396	hyper	sig	chr6_134176520
chr20	57694510	57694510	+	5.542E-11	4.6696E-10	-0.23977	hypo	sig	chr20_57694510
chr2	1.74E+08	174328152	+	5.544E-11	4.6711E-10	0.232977	hyper	sig	chr2_174328152
chr1	53526756	53526756	+	5.547E-11	4.6738E-10	0.213246	hyper	sig	chr1_53526756
chr7	1.58E+08	157962040	+	5.548E-11	4.6745E-10	0.232411	hyper	sig	chr7_157962040
chr10	45444220	45444220	+	5.548E-11	4.6748E-10	-0.24518	hypo	sig	chr10_45444220
chr11	30016280	30016280	+	5.552E-11	4.6777E-10	0.267511	hyper	sig	chr11_30016280
chr19	19860931	19860931	+	5.559E-11	4.6832E-10	0.200294	hyper	sig	chr19_19860931
chr4	1.83E+08	183036761	+	5.565E-11	4.6882E-10	-0.26476	hypo	sig	chr4_183036761
chr16	29148674	29148674	+	5.574E-11	4.696E-10	-0.20679	hypo	sig	chr16_29148674
chr19	640365	640365	+	5.576E-11	4.6973E-10	-0.26598	hypo	sig	chr19_640365
chr5	931241	931241	+	5.579E-11	4.6996E-10	-0.21035	hypo	sig	chr5_931241
chr1	2.21E+08	220877358	+	5.58E-11	4.7001E-10	0.201546	hyper	sig	chr1_220877358
chr10	1.32E+08	132132414	+	5.58E-11	4.7001E-10	-0.28256	hypo	sig	chr10_132132414
chr15	23897827	23897827	+	5.581E-11	4.701E-10	0.269038	hyper	sig	chr15_23897827
chr8	11013861	11013861	+	5.582E-11	4.7017E-10	-0.20195	hypo	sig	chr8_11013861
chr2	1.19E+08	118845519	+	5.585E-11	4.7039E-10	0.236159	hyper	sig	chr2_118845519
chr10	1.33E+08	132936652	+	5.585E-11	4.704E-10	-0.28472	hypo	sig	chr10_132936652
chr11	17724227	17724227	+	5.585E-11	4.7044E-10	-0.27729	hypo	sig	chr11_17724227
chr2	2.4E+08	240322807	+	5.591E-11	4.7093E-10	-0.25722	hypo	sig	chr2_240322807
chr18	2843495	2843495	+	5.592E-11	4.7099E-10	-0.23065	hypo	sig	chr18_2843495

chr7	1.49E+08	149066182	+	5.594E-11	4.7114E-10	-0.25811	hypo	sig	chr7_149066182
chr17	2796486	2796486	+	5.594E-11	4.7115E-10	-0.20861	hypo	sig	chr17_2796486
chr11	1.16E+08	115759881	+	5.595E-11	4.7126E-10	0.205473	hyper	sig	chr11_115759881
chr7	1223392	1223392	+	5.596E-11	4.7128E-10	-0.24207	hypo	sig	chr7_1223392
chr12	34393968	34393968	+	5.597E-11	4.7142E-10	-0.20691	hypo	sig	chr12_34393968
chr20	22568723	22568723	+	5.598E-11	4.7145E-10	0.328204	hyper	sig	chr20_22568723
chr7	57150573	57150573	+	5.6E-11	4.7159E-10	-0.2021	hypo	sig	chr7_57150573
chr10	92572801	92572801	+	5.603E-11	4.7188E-10	-0.27134	hypo	sig	chr10_92572801
chr6	1624758	1624758	+	5.616E-11	4.729E-10	0.274773	hyper	sig	chr6_1624758
chr16	51113795	51113795	+	5.618E-11	4.7303E-10	0.220199	hyper	sig	chr16_51113795
chr14	28777960	28777960	+	5.624E-11	4.7358E-10	0.211011	hyper	sig	chr14_28777960
chr2	2.4E+08	240323032	+	5.625E-11	4.736E-10	-0.25951	hypo	sig	chr2_240323032
chr19	51647381	51647381	+	5.626E-11	4.7371E-10	-0.20482	hypo	sig	chr19_51647381
chr20	58840269	58840269	+	5.627E-11	4.7379E-10	0.276846	hyper	sig	chr20_58840269
chr2	23663499	23663499	+	5.63E-11	4.7403E-10	0.27038	hyper	sig	chr2_23663499
chr2	98937017	98937017	+	5.63E-11	4.7407E-10	0.202427	hyper	sig	chr2_98937017
chr10	1.32E+08	132045208	+	5.631E-11	4.7413E-10	-0.22622	hypo	sig	chr10_132045208
chr4	1.9E+08	190015798	+	5.632E-11	4.7419E-10	0.234205	hyper	sig	chr4_190015798
chr7	2762706	2762706	+	5.638E-11	4.7466E-10	0.291794	hyper	sig	chr7_2762706
chr10	1.22E+08	122457094	+	5.639E-11	4.7472E-10	-0.24682	hypo	sig	chr10_122457094
chr10	26217553	26217553	+	5.646E-11	4.7534E-10	0.264112	hyper	sig	chr10_26217553
chr10	1.18E+08	117537184	+	5.653E-11	4.7589E-10	0.257287	hyper	sig	chr10_117537184
chr12	1.33E+08	132977129	+	5.654E-11	4.7595E-10	0.228186	hyper	sig	chr12_132977129
chr7	1.58E+08	157832995	+	5.662E-11	4.7662E-10	-0.27044	hypo	sig	chr7_157832995
chr10	1.32E+08	132296718	+	5.665E-11	4.7685E-10	-0.25635	hypo	sig	chr10_132296718
chr19	56642761	56642761	+	5.665E-11	4.7689E-10	0.263623	hyper	sig	chr19_56642761
chr1	1.52E+08	151839131	+	5.668E-11	4.771E-10	0.237396	hyper	sig	chr1_151839131
chr5	1.41E+08	140877232	+	5.674E-11	4.7761E-10	0.303435	hyper	sig	chr5_140877232
chr11	50278881	50278881	+	5.675E-11	4.7769E-10	-0.25195	hypo	sig	chr11_50278881
chr19	55377848	55377848	+	5.676E-11	4.777E-10	0.244467	hyper	sig	chr19_55377848
chr20	38448151	38448151	+	5.678E-11	4.779E-10	-0.22981	hypo	sig	chr20_38448151
chr17	29760933	29760933	+	5.68E-11	4.7802E-10	0.207497	hyper	sig	chr17_29760933
chr10	70443368	70443368	+	5.684E-11	4.7836E-10	-0.27786	hypo	sig	chr10_70443368
chr5	1.8E+08	179966926	+	5.693E-11	4.7912E-10	-0.2041	hypo	sig	chr5_179966926
chr11	30017511	30017511	+	5.695E-11	4.793E-10	0.250832	hyper	sig	chr11_30017511
chr5	1.4E+08	139904913	+	5.696E-11	4.7933E-10	0.205376	hyper	sig	chr5_139904913
chr3	1.28E+08	128490563	+	5.697E-11	4.7938E-10	0.210288	hyper	sig	chr3_128490563
chr2	1.76E+08	176150316	+	5.699E-11	4.7954E-10	-0.2189	hypo	sig	chr2_176150316
chr10	1.01E+08	101218338	+	5.705E-11	4.8011E-10	0.218302	hyper	sig	chr10_101218338
chr19	51327964	51327964	+	5.711E-11	4.8056E-10	0.244501	hyper	sig	chr19_51327964
chr4	1.47E+08	146633052	+	5.713E-11	4.8073E-10	0.216628	hyper	sig	chr4_146633052
chr11	2837205	2837205	+	5.715E-11	4.8086E-10	0.300202	hyper	sig	chr11_2837205
chr22	30266987	30266987	+	5.716E-11	4.8098E-10	-0.256	hypo	sig	chr22_30266987
chr19	1409500	1409500	+	5.717E-11	4.8103E-10	0.230336	hyper	sig	chr19_1409500
chr11	1748062	1748062	+	5.72E-11	4.8126E-10	0.265064	hyper	sig	chr11_1748062
chr2	2.4E+08	239728454	+	5.722E-11	4.8145E-10	-0.24298	hypo	sig	chr2_239728454
chr4	1.74E+08	173521389	+	5.727E-11	4.8189E-10	0.277807	hyper	sig	chr4_173521389
chr14	1.03E+08	103225249	+	5.73E-11	4.8211E-10	-0.21194	hypo	sig	chr14_103225249
chr19	3924524	3924524	+	5.731E-11	4.8215E-10	-0.20654	hypo	sig	chr19_3924524
chr6	35797224	35797224	+	5.735E-11	4.8252E-10	-0.22485	hypo	sig	chr6_35797224
chr6	27515110	27515110	+	5.737E-11	4.8262E-10	0.272407	hyper	sig	chr6_27515110
chr1	1.09E+08	109467406	+	5.738E-11	4.8272E-10	0.267384	hyper	sig	chr1_109467406
chr4	9000014	9000014	+	5.739E-11	4.8276E-10	-0.34724	hypo	sig	chr4_9000014
chr7	1620904	1620904	+	5.745E-11	4.8328E-10	-0.2344	hypo	sig	chr7_1620904
chr19	46466738	46466738	+	5.745E-11	4.8329E-10	-0.20802	hypo	sig	chr19_46466738
chr5	1.41E+08	141094817	+	5.745E-11	4.8329E-10	0.247679	hyper	sig	chr5_141094817

chr10	1.32E+08	132232473	+	5.747E-11	4.8346E-10	-0.20489	hypo	sig	chr10_132232473
chr21	44517402	44517402	+	5.749E-11	4.8359E-10	-0.20795	hypo	sig	chr21_44517402
chr12	34403707	34403707	+	5.75E-11	4.8364E-10	-0.28701	hypo	sig	chr12_34403707
chr6	77650238	77650238	+	5.752E-11	4.838E-10	0.228483	hyper	sig	chr6_77650238
chr2	1.3E+08	130197132	+	5.753E-11	4.8388E-10	-0.20058	hypo	sig	chr2_130197132
chr17	42784649	42784649	+	5.755E-11	4.8404E-10	0.220632	hyper	sig	chr17_42784649
chr16	4475985	4475985	+	5.755E-11	4.8407E-10	-0.20555	hypo	sig	chr16_4475985
chr1	3698927	3698927	+	5.756E-11	4.8411E-10	-0.20549	hypo	sig	chr1_3698927
chr16	10182924	10182924	+	5.759E-11	4.8435E-10	0.244869	hyper	sig	chr16_10182924
chr3	35640132	35640132	+	5.76E-11	4.8441E-10	0.205752	hyper	sig	chr3_35640132
chr2	85134751	85134751	+	5.763E-11	4.8465E-10	0.201825	hyper	sig	chr2_85134751
chr14	64196961	64196961	+	5.766E-11	4.8487E-10	0.334179	hyper	sig	chr14_64196961
chr11	1037756	1037756	+	5.769E-11	4.8513E-10	-0.26216	hypo	sig	chr11_1037756
chr3	45026354	45026354	+	5.771E-11	4.8528E-10	0.247181	hyper	sig	chr3_45026354
chr7	1736324	1736324	+	5.771E-11	4.8531E-10	-0.26905	hypo	sig	chr7_1736324
chr19	7533552	7533552	+	5.774E-11	4.8557E-10	0.230355	hyper	sig	chr19_7533552
chr8	1.44E+08	144336303	+	5.775E-11	4.8566E-10	0.211556	hyper	sig	chr8_144336303
chr22	44286634	44286634	+	5.776E-11	4.8572E-10	-0.27137	hypo	sig	chr22_44286634
chr11	27722132	27722132	+	5.777E-11	4.8578E-10	0.232907	hyper	sig	chr11_27722132
chr7	27110698	27110698	+	5.78E-11	4.8603E-10	0.20627	hyper	sig	chr7_27110698
chr3	13204215	13204215	+	5.782E-11	4.8619E-10	0.295812	hyper	sig	chr3_13204215
chr13	25372582	25372582	+	5.783E-11	4.8626E-10	0.319396	hyper	sig	chr13_25372582
chr6	32220169	32220169	+	5.783E-11	4.8628E-10	-0.22279	hypo	sig	chr6_32220169
chr2	2.02E+08	202035367	+	5.783E-11	4.8628E-10	0.242525	hyper	sig	chr2_202035367
chr4	1.77E+08	176792252	+	5.785E-11	4.8644E-10	0.2151	hyper	sig	chr4_176792252
chr22	50075091	50075091	+	5.786E-11	4.8646E-10	-0.23842	hypo	sig	chr22_50075091
chr1	2.2E+08	219924629	+	5.788E-11	4.8663E-10	-0.22939	hypo	sig	chr1_219924629
chr12	1.31E+08	130953982	+	5.795E-11	4.8718E-10	0.20911	hyper	sig	chr12_130953982
chr1	18966019	18966019	+	5.795E-11	4.8719E-10	0.229956	hyper	sig	chr1_18966019
chr1	2598387	2598387	+	5.797E-11	4.8735E-10	-0.26745	hypo	sig	chr1_2598387
chr1	1.13E+08	112854646	+	5.798E-11	4.8743E-10	0.203016	hyper	sig	chr1_112854646
chr3	1.47E+08	147424596	+	5.798E-11	4.8744E-10	0.207863	hyper	sig	chr3_147424596
chr1	3067851	3067851	+	5.803E-11	4.878E-10	0.230483	hyper	sig	chr1_3067851
chr3	6861477	6861477	+	5.804E-11	4.879E-10	0.241389	hyper	sig	chr3_6861477
chr20	63194459	63194459	+	5.805E-11	4.8796E-10	-0.22285	hypo	sig	chr20_63194459
chr4	73998596	73998596	+	5.809E-11	4.8826E-10	0.206843	hyper	sig	chr4_73998596
chr9	1.36E+08	136362024	+	5.811E-11	4.8847E-10	0.259548	hyper	sig	chr9_136362024
chr11	65607567	65607567	+	5.817E-11	4.8894E-10	0.215003	hyper	sig	chr11_65607567
chr5	77632656	77632656	+	5.817E-11	4.8894E-10	0.279019	hyper	sig	chr5_77632656
chr2	2.4E+08	240145656	+	5.817E-11	4.8895E-10	-0.274	hypo	sig	chr2_240145656
chr8	1483142	1483142	+	5.824E-11	4.8952E-10	-0.2427	hypo	sig	chr8_1483142
chr9	95041732	95041732	+	5.825E-11	4.896E-10	-0.20477	hypo	sig	chr9_95041732
chr8	1.42E+08	142121303	+	5.828E-11	4.8978E-10	0.213302	hyper	sig	chr8_142121303
chr15	37102483	37102483	+	5.83E-11	4.8999E-10	0.290892	hyper	sig	chr15_37102483
chr14	1.04E+08	104081660	+	5.834E-11	4.903E-10	-0.2202	hypo	sig	chr14_104081660
chr14	90518221	90518221	+	5.835E-11	4.9037E-10	0.271312	hyper	sig	chr14_90518221
chr17	74359856	74359856	+	5.835E-11	4.9037E-10	-0.21986	hypo	sig	chr17_74359856
chr5	1.34E+08	134113761	+	5.836E-11	4.9046E-10	0.295216	hyper	sig	chr5_134113761
chr1	53135057	53135057	+	5.838E-11	4.9058E-10	0.220484	hyper	sig	chr1_53135057
chr21	45302710	45302710	+	5.845E-11	4.9119E-10	-0.20922	hypo	sig	chr21_45302710
chr17	82321159	82321159	+	5.856E-11	4.9209E-10	-0.25819	hypo	sig	chr17_82321159
chr3	1.25E+08	124885702	+	5.857E-11	4.9216E-10	0.251507	hyper	sig	chr3_124885702
chr5	1.39E+08	139378910	+	5.86E-11	4.9233E-10	-0.22516	hypo	sig	chr5_139378910
chr16	1035715	1035715	+	5.86E-11	4.9237E-10	-0.22168	hypo	sig	chr16_1035715
chr3	1.28E+08	128486276	+	5.861E-11	4.9245E-10	0.240522	hyper	sig	chr3_128486276
chr19	5915069	5915069	+	5.864E-11	4.9268E-10	0.201207	hyper	sig	chr19_5915069

chr7	4818564	4818564	+	5.864E-11	4.9268E-10	-0.2869	hypo	sig	chr7_4818564
chr17	46850980	46850980	+	5.864E-11	4.9268E-10	0.255801	hyper	sig	chr17_46850980
chr19	42000425	42000425	+	5.866E-11	4.928E-10	-0.29446	hypo	sig	chr19_42000425
chr7	1.49E+08	149238948	+	5.87E-11	4.9313E-10	-0.26573	hypo	sig	chr7_149238948
chr22	40419097	40419097	+	5.877E-11	4.9373E-10	0.242781	hyper	sig	chr22_40419097
chr1	10650108	10650108	+	5.885E-11	4.9438E-10	0.234853	hyper	sig	chr1_10650108
chr7	1.56E+08	155998277	+	5.886E-11	4.9444E-10	-0.2127	hypo	sig	chr7_155998277
chr20	63753566	63753566	+	5.89E-11	4.9474E-10	-0.2306	hypo	sig	chr20_63753566
chr1	1.19E+08	118986225	+	5.898E-11	4.9543E-10	0.205741	hyper	sig	chr1_118986225
chr5	1284576	1284576	+	5.901E-11	4.9565E-10	-0.20519	hypo	sig	chr5_1284576
chr8	1.28E+08	127899522	+	5.903E-11	4.9584E-10	-0.20148	hypo	sig	chr8_127899522
chr10	48684696	48684696	+	5.907E-11	4.9614E-10	-0.24298	hypo	sig	chr10_48684696
chr11	2460679	2460679	+	5.908E-11	4.9622E-10	-0.20125	hypo	sig	chr11_2460679
chr1	40315247	40315247	+	5.908E-11	4.9625E-10	0.246767	hyper	sig	chr1_40315247
chr12	7715518	7715518	+	5.908E-11	4.9625E-10	-0.2691	hypo	sig	chr12_7715518
chr7	4862092	4862092	+	5.911E-11	4.9648E-10	0.277108	hyper	sig	chr7_4862092
chr11	77039391	77039391	+	5.912E-11	4.9656E-10	-0.25662	hypo	sig	chr11_77039391
chr13	27798706	27798706	+	5.915E-11	4.9681E-10	0.219766	hyper	sig	chr13_27798706
chr4	1.54E+08	153781574	+	5.919E-11	4.9709E-10	-0.20952	hypo	sig	chr4_153781574
chr6	6614152	6614152	+	5.924E-11	4.9749E-10	-0.27509	hypo	sig	chr6_6614152
chr3	1.25E+08	125141957	+	5.925E-11	4.976E-10	0.233692	hyper	sig	chr3_125141957
chr11	74730943	74730943	+	5.928E-11	4.9785E-10	0.222549	hyper	sig	chr11_74730943
chr5	368685	368685	+	5.93E-11	4.9801E-10	-0.20856	hypo	sig	chr5_368685
chr17	36933769	36933769	+	5.931E-11	4.9804E-10	0.205266	hyper	sig	chr17_36933769
chr13	37066224	37066224	+	5.931E-11	4.9805E-10	-0.20723	hypo	sig	chr13_37066224
chr6	14001741	14001741	+	5.932E-11	4.9811E-10	-0.26245	hypo	sig	chr6_14001741
chr9	1.37E+08	136998061	+	5.934E-11	4.9828E-10	-0.2435	hypo	sig	chr9_136998061
chr10	50024714	50024714	+	5.934E-11	4.9832E-10	0.265999	hyper	sig	chr10_50024714
chr12	1.16E+08	116278320	+	5.934E-11	4.9832E-10	0.225543	hyper	sig	chr12_116278320
chr12	1.08E+08	107864242	+	5.939E-11	4.987E-10	0.221371	hyper	sig	chr12_107864242
chr5	1.75E+08	174720867	+	5.942E-11	4.9891E-10	0.212798	hyper	sig	chr5_174720867
chr1	971759	971759	+	5.944E-11	4.9909E-10	0.309646	hyper	sig	chr1_971759
chr5	1.41E+08	141136030	+	5.946E-11	4.9922E-10	0.209293	hyper	sig	chr5_141136030
chr8	33721780	33721780	+	5.946E-11	4.9928E-10	-0.21498	hypo	sig	chr8_33721780
chr7	1.58E+08	157819416	+	5.95E-11	4.9955E-10	0.241614	hyper	sig	chr7_157819416
chr16	87411405	87411405	+	5.95E-11	4.9956E-10	-0.21931	hypo	sig	chr16_87411405
chr1	16766068	16766068	+	5.962E-11	5.005E-10	0.267136	hyper	sig	chr1_16766068
chr1	1.25E+08	125118140	+	5.962E-11	5.0052E-10	0.261763	hyper	sig	chr1_125118140
chr15	24848354	24848354	+	5.962E-11	5.0052E-10	0.263677	hyper	sig	chr15_24848354
chr12	1.32E+08	132367382	+	5.963E-11	5.0062E-10	0.221952	hyper	sig	chr12_132367382
chr21	42362444	42362444	+	5.965E-11	5.0074E-10	0.205675	hyper	sig	chr21_42362444
chr12	1.32E+08	132347874	+	5.967E-11	5.0088E-10	-0.36199	hypo	sig	chr12_132347874
chr2	365874	365874	+	5.967E-11	5.0088E-10	-0.23369	hypo	sig	chr2_365874
chr15	74824763	74824763	+	5.968E-11	5.0101E-10	-0.22757	hypo	sig	chr15_74824763
chr16	51150036	51150036	+	5.968E-11	5.0101E-10	0.297172	hyper	sig	chr16_51150036
chr3	1.7E+08	170040586	+	5.97E-11	5.0115E-10	0.227968	hyper	sig	chr3_170040586
chr5	3306254	3306254	+	5.97E-11	5.0117E-10	-0.31603	hypo	sig	chr5_3306254
chr2	1.76E+08	176118814	+	5.976E-11	5.0165E-10	-0.2063	hypo	sig	chr2_176118814
chr12	54047359	54047359	+	5.979E-11	5.0188E-10	0.23671	hyper	sig	chr12_54047359
chr1	3094387	3094387	+	5.982E-11	5.0213E-10	-0.2214	hypo	sig	chr1_3094387
chr5	61631963	61631963	+	5.985E-11	5.0234E-10	0.247142	hyper	sig	chr5_61631963
chr11	65058851	65058851	+	5.989E-11	5.0267E-10	-0.21497	hypo	sig	chr11_65058851
chr2	1.19E+08	118845496	+	5.989E-11	5.0267E-10	0.236106	hyper	sig	chr2_118845496
chr7	6084970	6084970	+	5.99E-11	5.0275E-10	-0.24961	hypo	sig	chr7_6084970
chr12	6326683	6326683	+	5.991E-11	5.0281E-10	0.283395	hyper	sig	chr12_6326683
chr12	57456489	57456489	+	5.998E-11	5.0336E-10	0.240873	hyper	sig	chr12_57456489

chr17	19470846	19470846	+	6.002E-11	5.0374E-10	0.216071	hyper	sig	chr17_19470846
chr9	1.33E+08	132582845	+	6.003E-11	5.0376E-10	0.369351	hyper	sig	chr9_132582845
chr1	16074170	16074170	+	6.007E-11	5.0413E-10	-0.26094	hypo	sig	chr1_16074170
chr1	2.35E+08	234723242	+	6.009E-11	5.0423E-10	-0.21037	hypo	sig	chr1_234723242
chr11	32426623	32426623	+	6.012E-11	5.0447E-10	0.287565	hyper	sig	chr11_32426623
chr11	76216157	76216157	+	6.015E-11	5.0474E-10	-0.20958	hypo	sig	chr11_76216157
chr7	35254892	35254892	+	6.018E-11	5.0498E-10	0.304387	hyper	sig	chr7_35254892
chr7	1246619	1246619	+	6.019E-11	5.0506E-10	0.287115	hyper	sig	chr7_1246619
chr11	49048912	49048912	+	6.02E-11	5.051E-10	0.222028	hyper	sig	chr11_49048912
chr6	29975631	29975631	+	6.022E-11	5.0526E-10	0.212923	hyper	sig	chr6_29975631
chr9	93953738	93953738	+	6.028E-11	5.0573E-10	0.200785	hyper	sig	chr9_93953738
chr7	1810650	1810650	+	6.031E-11	5.06E-10	0.267247	hyper	sig	chr7_1810650
chr2	81193807	81193807	+	6.036E-11	5.0644E-10	-0.20837	hypo	sig	chr2_81193807
chr15	89416660	89416660	+	6.04E-11	5.0677E-10	0.217995	hyper	sig	chr15_89416660
chr1	1631715	1631715	+	6.042E-11	5.0687E-10	0.203664	hyper	sig	chr1_1631715
chr11	77472393	77472393	+	6.044E-11	5.0703E-10	-0.21389	hypo	sig	chr11_77472393
chr11	1.34E+08	133955763	+	6.046E-11	5.0722E-10	0.248487	hyper	sig	chr11_133955763
chr17	334181	334181	+	6.046E-11	5.0722E-10	0.202378	hyper	sig	chr17_334181
chr17	62680660	62680660	+	6.055E-11	5.0795E-10	-0.24901	hypo	sig	chr17_62680660
chr16	54291763	54291763	+	6.066E-11	5.0887E-10	0.243832	hyper	sig	chr16_54291763
chr16	1436399	1436399	+	6.07E-11	5.0914E-10	-0.25187	hypo	sig	chr16_1436399
chr11	4212275	4212275	+	6.072E-11	5.0928E-10	0.249016	hyper	sig	chr11_4212275
chr22	42338580	42338580	+	6.074E-11	5.0949E-10	-0.25568	hypo	sig	chr22_42338580
chr11	865988	865988	+	6.08E-11	5.0998E-10	-0.2365	hypo	sig	chr11_865988
chr12	7916096	7916096	+	6.082E-11	5.101E-10	0.263703	hyper	sig	chr12_7916096
chr9	1.22E+08	122225657	+	6.087E-11	5.1054E-10	0.247259	hyper	sig	chr9_122225657
chr5	1.41E+08	141428071	+	6.091E-11	5.1088E-10	0.230226	hyper	sig	chr5_141428071
chr10	1.02E+08	102419175	+	6.092E-11	5.1093E-10	0.227661	hyper	sig	chr10_102419175
chr22	17748779	17748779	+	6.105E-11	5.1195E-10	0.235295	hyper	sig	chr22_17748779
chr14	60510231	60510231	+	6.105E-11	5.1196E-10	0.236636	hyper	sig	chr14_60510231
chr1	2.43E+08	242524940	+	6.106E-11	5.1205E-10	0.213739	hyper	sig	chr1_242524940
chr7	66377556	66377556	+	6.107E-11	5.1206E-10	-0.27167	hypo	sig	chr7_66377556
chr13	46552165	46552165	+	6.109E-11	5.1224E-10	-0.21995	hypo	sig	chr13_46552165
chr19	1465625	1465625	+	6.109E-11	5.1225E-10	0.261773	hyper	sig	chr19_1465625
chr2	1.06E+08	106342829	+	6.11E-11	5.123E-10	-0.21255	hypo	sig	chr2_106342829
chr12	7639988	7639988	+	6.113E-11	5.1258E-10	0.207317	hyper	sig	chr12_7639988
chr1	1166048	1166048	+	6.115E-11	5.1273E-10	-0.21828	hypo	sig	chr1_1166048
chr10	97141022	97141022	+	6.119E-11	5.1306E-10	0.203684	hyper	sig	chr10_97141022
chr5	2103063	2103063	+	6.121E-11	5.1319E-10	0.23812	hyper	sig	chr5_2103063
chr11	1193598	1193598	+	6.122E-11	5.1331E-10	-0.25265	hypo	sig	chr11_1193598
chr11	1.23E+08	122980070	+	6.125E-11	5.1357E-10	0.248677	hyper	sig	chr11_122980070
chr3	96814970	96814970	+	6.127E-11	5.1375E-10	0.252621	hyper	sig	chr3_96814970
chr2	2.38E+08	237591818	+	6.128E-11	5.1375E-10	-0.34221	hypo	sig	chr2_237591818
chr2	27736046	27736046	+	6.131E-11	5.14E-10	-0.20835	hypo	sig	chr2_27736046
chr14	64197227	64197227	+	6.133E-11	5.1419E-10	0.224197	hyper	sig	chr14_64197227
chr11	43926127	43926127	+	6.136E-11	5.1442E-10	0.222493	hyper	sig	chr11_43926127
chr1	18631531	18631531	+	6.136E-11	5.1442E-10	0.204256	hyper	sig	chr1_18631531
chr2	1.72E+08	172100567	+	6.136E-11	5.1446E-10	0.218101	hyper	sig	chr2_172100567
chr11	46361444	46361444	+	6.137E-11	5.145E-10	0.275639	hyper	sig	chr11_46361444
chr19	3785827	3785827	+	6.143E-11	5.15E-10	0.209657	hyper	sig	chr19_3785827
chr9	1.37E+08	137279050	+	6.149E-11	5.1548E-10	0.236246	hyper	sig	chr9_137279050
chr11	63909258	63909258	+	6.15E-11	5.1549E-10	0.215074	hyper	sig	chr11_63909258
chr8	1.44E+08	144336082	+	6.151E-11	5.1563E-10	0.277303	hyper	sig	chr8_144336082
chr13	25097468	25097468	+	6.153E-11	5.1572E-10	-0.29894	hypo	sig	chr13_25097468
chr7	70631117	70631117	+	6.156E-11	5.1594E-10	0.204751	hyper	sig	chr7_70631117
chr2	96762326	96762326	+	6.156E-11	5.1595E-10	-0.24423	hypo	sig	chr2_96762326

chr5	1.33E+08	132748320	+	6.156E-11	5.1597E-10	-0.25609	hypo	sig	chr5_132748320
chr12	1.33E+08	132766878	+	6.157E-11	5.16E-10	-0.23838	hypo	sig	chr12_132766878
chr3	1.13E+08	113441587	+	6.16E-11	5.1625E-10	0.233353	hyper	sig	chr3_113441587
chr4	6329572	6329572	+	6.16E-11	5.1628E-10	-0.2491	hypo	sig	chr4_6329572
chr19	42698031	42698031	+	6.164E-11	5.166E-10	0.297785	hyper	sig	chr19_42698031
chr1	3366148	3366148	+	6.167E-11	5.1688E-10	0.230161	hyper	sig	chr1_3366148
chr12	1.32E+08	132439641	+	6.168E-11	5.1696E-10	-0.22045	hypo	sig	chr12_132439641
chr3	1.96E+08	195849818	+	6.171E-11	5.1719E-10	-0.30394	hypo	sig	chr3_195849818
chr7	23246184	23246184	+	6.176E-11	5.1753E-10	-0.20998	hypo	sig	chr7_23246184
chr17	79423439	79423439	+	6.18E-11	5.1791E-10	-0.24661	hypo	sig	chr17_79423439
chr1	15214843	15214843	+	6.184E-11	5.1822E-10	0.235293	hyper	sig	chr1_15214843
chr8	1.41E+08	141228939	+	6.185E-11	5.1828E-10	-0.22948	hypo	sig	chr8_141228939
chr7	35454759	35454759	+	6.188E-11	5.185E-10	0.244403	hyper	sig	chr7_35454759
chr1	1164658	1164658	+	6.189E-11	5.1857E-10	-0.22593	hypo	sig	chr1_1164658
chr2	2.36E+08	235671305	+	6.192E-11	5.1883E-10	0.233928	hyper	sig	chr2_235671305
chr17	334340	334340	+	6.192E-11	5.1886E-10	0.219019	hyper	sig	chr17_334340
chr14	90518223	90518223	+	6.195E-11	5.1911E-10	0.268455	hyper	sig	chr14_90518223
chr17	42866201	42866201	+	6.196E-11	5.1918E-10	-0.20485	hypo	sig	chr17_42866201
chr2	1.83E+08	183260740	+	6.198E-11	5.1931E-10	-0.20189	hypo	sig	chr2_183260740
chr2	98937206	98937206	+	6.206E-11	5.1998E-10	0.245567	hyper	sig	chr2_98937206
chr6	1.66E+08	165727088	+	6.212E-11	5.2047E-10	0.201606	hyper	sig	chr6_165727088
chr9	1.28E+08	128339962	+	6.22E-11	5.2108E-10	-0.22517	hypo	sig	chr9_128339962
chr19	4552603	4552603	+	6.223E-11	5.2131E-10	-0.20057	hypo	sig	chr19_4552603
chr19	17869412	17869412	+	6.225E-11	5.2152E-10	0.234868	hyper	sig	chr19_17869412
chr9	1.37E+08	136696308	+	6.226E-11	5.216E-10	-0.21106	hypo	sig	chr9_136696308
chr20	46058363	46058363	+	6.227E-11	5.2166E-10	0.328764	hyper	sig	chr20_46058363
chr13	1.13E+08	113408177	+	6.228E-11	5.2175E-10	-0.27252	hypo	sig	chr13_113408177
chr5	2749980	2749980	+	6.231E-11	5.2191E-10	0.253865	hyper	sig	chr5_2749980
chr19	7924807	7924807	+	6.235E-11	5.2224E-10	0.282588	hyper	sig	chr19_7924807
chr16	85848240	85848240	+	6.243E-11	5.2291E-10	-0.23058	hypo	sig	chr16_85848240
chr11	1305474	1305474	+	6.246E-11	5.2312E-10	-0.20658	hypo	sig	chr11_1305474
chr12	75209724	75209724	+	6.247E-11	5.2323E-10	0.202738	hyper	sig	chr12_75209724
chr1	2.37E+08	236687004	+	6.252E-11	5.236E-10	0.214727	hyper	sig	chr1_236687004
chr5	1.41E+08	141365998	+	6.253E-11	5.2374E-10	0.224083	hyper	sig	chr5_141365998
chr5	2066613	2066613	+	6.26E-11	5.2431E-10	0.205972	hyper	sig	chr5_2066613
chr7	2678500	2678500	+	6.268E-11	5.2494E-10	-0.23499	hypo	sig	chr7_2678500
chr15	52794617	52794617	+	6.27E-11	5.2505E-10	0.229022	hyper	sig	chr15_52794617
chr16	1534587	1534587	+	6.275E-11	5.2552E-10	0.228808	hyper	sig	chr16_1534587
chr2	11618528	11618528	+	6.278E-11	5.2569E-10	-0.2123	hypo	sig	chr2_11618528
chr11	46332542	46332542	+	6.28E-11	5.2584E-10	0.250757	hyper	sig	chr11_46332542
chr1	7663546	7663546	+	6.282E-11	5.2606E-10	-0.20645	hypo	sig	chr1_7663546
chr5	63961734	63961734	+	6.283E-11	5.2614E-10	0.250776	hyper	sig	chr5_63961734
chr19	50823413	50823413	+	6.284E-11	5.2621E-10	-0.2977	hypo	sig	chr19_50823413
chr22	31350544	31350544	+	6.284E-11	5.2623E-10	-0.2017	hypo	sig	chr22_31350544
chr14	99522398	99522398	+	6.287E-11	5.2646E-10	0.273016	hyper	sig	chr14_99522398
chr12	1.3E+08	130017832	+	6.288E-11	5.2648E-10	0.253782	hyper	sig	chr12_130017832
chr11	65584778	65584778	+	6.289E-11	5.2662E-10	0.200139	hyper	sig	chr11_65584778
chr2	1.05E+08	104659354	+	6.289E-11	5.2662E-10	0.212248	hyper	sig	chr2_104659354
chr19	21678012	21678012	+	6.291E-11	5.2677E-10	0.240329	hyper	sig	chr19_21678012
chr11	2886589	2886589	+	6.292E-11	5.2682E-10	0.208973	hyper	sig	chr11_2886589
chr14	93789555	93789555	+	6.298E-11	5.2733E-10	0.203482	hyper	sig	chr14_93789555
chr7	2019507	2019507	+	6.299E-11	5.2743E-10	-0.21685	hypo	sig	chr7_2019507
chr10	1.22E+08	121649399	+	6.303E-11	5.2771E-10	-0.21113	hypo	sig	chr10_121649399
chr16	56589199	56589199	+	6.304E-11	5.2776E-10	0.224193	hyper	sig	chr16_56589199
chr7	1.51E+08	151448177	+	6.305E-11	5.2783E-10	0.234519	hyper	sig	chr7_151448177
chr1	57423045	57423045	+	6.308E-11	5.2807E-10	0.20925	hyper	sig	chr1_57423045

chr2	95025254	95025254	+	6.314E-11	5.2861E-10	0.278475	hyper	sig	chr2_95025254
chr12	1.22E+08	121582250	+	6.316E-11	5.2878E-10	0.24924	hyper	sig	chr12_121582250
chr2	1.2E+08	119678463	+	6.319E-11	5.2897E-10	-0.23903	hypo	sig	chr2_119678463
chr16	88118655	88118655	+	6.32E-11	5.2909E-10	-0.26514	hypo	sig	chr16_88118655
chr22	37206520	37206520	+	6.325E-11	5.2949E-10	-0.23289	hypo	sig	chr22_37206520
chr20	31571012	31571012	+	6.325E-11	5.295E-10	-0.2522	hypo	sig	chr20_31571012
chr19	40613504	40613504	+	6.326E-11	5.2958E-10	0.236143	hyper	sig	chr19_40613504
chr4	55157586	55157586	+	6.326E-11	5.2959E-10	0.260012	hyper	sig	chr4_55157586
chr3	1.47E+08	147409941	+	6.328E-11	5.2971E-10	0.271653	hyper	sig	chr3_147409941
chr5	421519	421519	+	6.328E-11	5.2971E-10	-0.225	hypo	sig	chr5_421519
chr1	20343372	20343372	+	6.33E-11	5.2989E-10	0.236403	hyper	sig	chr1_20343372
chr6	1.68E+08	167797221	+	6.332E-11	5.3001E-10	-0.24126	hypo	sig	chr6_167797221
chr17	2061422	2061422	+	6.336E-11	5.3032E-10	0.247511	hyper	sig	chr17_2061422
chr17	917602	917602	+	6.346E-11	5.3121E-10	-0.25757	hypo	sig	chr17_917602
chr12	1.31E+08	131084756	+	6.347E-11	5.3123E-10	-0.2342	hypo	sig	chr12_131084756
chr3	49903477	49903477	+	6.348E-11	5.3131E-10	-0.20055	hypo	sig	chr3_49903477
chr10	27746350	27746350	+	6.348E-11	5.3131E-10	0.214433	hyper	sig	chr10_27746350
chr5	73232332	73232332	+	6.348E-11	5.3134E-10	0.234163	hyper	sig	chr5_73232332
chr16	89053208	89053208	+	6.352E-11	5.3167E-10	-0.22045	hypo	sig	chr16_89053208
chr1	3024223	3024223	+	6.357E-11	5.3204E-10	-0.21061	hypo	sig	chr1_3024223
chr12	1.08E+08	108130042	+	6.358E-11	5.3213E-10	0.211185	hyper	sig	chr12_108130042
chr11	50298556	50298556	+	6.372E-11	5.333E-10	0.257254	hyper	sig	chr11_50298556
chr7	55449193	55449193	+	6.377E-11	5.3365E-10	0.254191	hyper	sig	chr7_55449193
chr12	3318264	3318264	+	6.377E-11	5.3368E-10	-0.20871	hypo	sig	chr12_3318264
chr14	73771653	73771653	+	6.378E-11	5.3371E-10	-0.21057	hypo	sig	chr14_73771653
chr14	1.06E+08	105763382	+	6.378E-11	5.3372E-10	-0.23394	hypo	sig	chr14_105763382
chr7	4862080	4862080	+	6.379E-11	5.3378E-10	0.272759	hyper	sig	chr7_4862080
chr6	26744304	26744304	+	6.379E-11	5.3385E-10	0.293682	hyper	sig	chr6_26744304
chr10	1.09E+08	109456707	+	6.386E-11	5.3434E-10	0.215841	hyper	sig	chr10_109456707
chr8	1.44E+08	143733084	+	6.386E-11	5.3438E-10	-0.24932	hypo	sig	chr8_143733084
chr15	40511045	40511045	+	6.386E-11	5.3438E-10	-0.20368	hypo	sig	chr15_40511045
chr6	32148439	32148439	+	6.387E-11	5.3447E-10	0.212871	hyper	sig	chr6_32148439
chr3	1.2E+08	120285417	+	6.388E-11	5.3454E-10	0.251631	hyper	sig	chr3_120285417
chr20	33662467	33662467	+	6.389E-11	5.3459E-10	0.20843	hyper	sig	chr20_33662467
chr1	3094690	3094690	+	6.389E-11	5.3462E-10	-0.20146	hypo	sig	chr1_3094690
chr11	1.19E+08	118971680	+	6.391E-11	5.3477E-10	0.218204	hyper	sig	chr11_118971680
chr11	63762960	63762960	+	6.394E-11	5.3494E-10	0.250624	hyper	sig	chr11_63762960
chr2	2.42E+08	241666976	+	6.403E-11	5.3571E-10	0.27424	hyper	sig	chr2_241666976
chr12	1.2E+08	120398019	+	6.403E-11	5.3575E-10	0.242129	hyper	sig	chr12_120398019
chr1	1.19E+08	118986767	+	6.407E-11	5.3605E-10	0.204267	hyper	sig	chr1_118986767
chr11	31822389	31822389	+	6.416E-11	5.3676E-10	0.219556	hyper	sig	chr11_31822389
chr19	40365771	40365771	+	6.417E-11	5.3679E-10	0.255888	hyper	sig	chr19_40365771
chr19	38564910	38564910	+	6.417E-11	5.3683E-10	0.250202	hyper	sig	chr19_38564910
chr20	63177419	63177419	+	6.417E-11	5.3684E-10	0.304667	hyper	sig	chr20_63177419
chr12	57622843	57622843	+	6.418E-11	5.3688E-10	-0.22382	hypo	sig	chr12_57622843
chr4	1.44E+08	143912302	+	6.419E-11	5.3695E-10	0.307118	hyper	sig	chr4_143912302
chr15	60399396	60399396	+	6.433E-11	5.3809E-10	-0.20677	hypo	sig	chr15_60399396
chr20	57348454	57348454	+	6.434E-11	5.382E-10	0.218126	hyper	sig	chr20_57348454
chr16	87571643	87571643	+	6.438E-11	5.3847E-10	-0.21984	hypo	sig	chr16_87571643
chr20	4822901	4822901	+	6.438E-11	5.3852E-10	0.247474	hyper	sig	chr20_4822901
chr17	42685055	42685055	+	6.439E-11	5.3858E-10	0.207015	hyper	sig	chr17_42685055
chr4	1099836	1099836	+	6.442E-11	5.3879E-10	-0.21297	hypo	sig	chr4_1099836
chr3	1.47E+08	147397774	+	6.442E-11	5.3881E-10	0.255194	hyper	sig	chr3_147397774
chr6	98827448	98827448	+	6.443E-11	5.3889E-10	0.2071	hyper	sig	chr6_98827448
chr5	1.41E+08	141157345	+	6.444E-11	5.3892E-10	0.222257	hyper	sig	chr5_141157345
chr5	1.41E+08	140856383	+	6.451E-11	5.3947E-10	0.216881	hyper	sig	chr5_140856383

chr1	2.1E+08	209938692	+	6.455E-11	5.3982E-10	0.247113	hyper	sig	chr1_209938692
chr7	926567	926567	+	6.455E-11	5.3983E-10	-0.24274	hypo	sig	chr7_926567
chr4	9505850	9505850	+	6.456E-11	5.3987E-10	-0.22224	hypo	sig	chr4_9505850
chr3	62374999	62374999	+	6.457E-11	5.3997E-10	0.225717	hyper	sig	chr3_62374999
chr3	1.97E+08	197031170	+	6.459E-11	5.401E-10	-0.20954	hypo	sig	chr3_197031170
chr4	7250688	7250688	+	6.471E-11	5.4111E-10	0.212548	hyper	sig	chr4_7250688
chr2	2.08E+08	208164870	+	6.474E-11	5.4131E-10	-0.23702	hypo	sig	chr2_208164870
chr10	773739	773739	+	6.478E-11	5.4165E-10	-0.29855	hypo	sig	chr10_773739
chr19	18697131	18697131	+	6.479E-11	5.4174E-10	-0.21808	hypo	sig	chr19_18697131
chr22	43891605	43891605	+	6.485E-11	5.4222E-10	0.219286	hyper	sig	chr22_43891605
chr5	88695313	88695313	+	6.486E-11	5.423E-10	0.224693	hyper	sig	chr5_88695313
chr19	5585654	5585654	+	6.487E-11	5.4236E-10	0.204498	hyper	sig	chr19_5585654
chr18	77668974	77668974	+	6.492E-11	5.4276E-10	-0.23999	hypo	sig	chr18_77668974
chr2	2.42E+08	241771575	+	6.497E-11	5.432E-10	0.26485	hyper	sig	chr2_241771575
chr5	1.79E+08	178590886	+	6.497E-11	5.432E-10	0.207361	hyper	sig	chr5_178590886
chr7	1.59E+08	158995444	+	6.499E-11	5.4329E-10	-0.26829	hypo	sig	chr7_158995444
chr12	6824218	6824218	+	6.508E-11	5.4408E-10	-0.21002	hypo	sig	chr12_6824218
chr10	55631260	55631260	+	6.513E-11	5.4444E-10	0.278198	hyper	sig	chr10_55631260
chr12	1.31E+08	130592988	+	6.513E-11	5.4446E-10	-0.20379	hypo	sig	chr12_130592988
chr1	55040902	55040902	+	6.524E-11	5.453E-10	-0.20211	hypo	sig	chr1_55040902
chr5	1003733	1003733	+	6.529E-11	5.4572E-10	-0.22735	hypo	sig	chr5_1003733
chr5	1.32E+08	132012726	+	6.531E-11	5.4589E-10	0.204953	hyper	sig	chr5_132012726
chr18	55780034	55780034	+	6.531E-11	5.459E-10	0.214973	hyper	sig	chr18_55780034
chr9	1.24E+08	124010353	+	6.534E-11	5.4612E-10	0.284089	hyper	sig	chr9_124010353
chr11	1564631	1564631	+	6.537E-11	5.4639E-10	0.248324	hyper	sig	chr11_1564631
chr22	19729118	19729118	+	6.542E-11	5.4675E-10	-0.20685	hypo	sig	chr22_19729118
chr5	1.69E+08	169298497	+	6.543E-11	5.4683E-10	-0.23991	hypo	sig	chr5_169298497
chr7	210038	210038	+	6.545E-11	5.4694E-10	-0.27369	hypo	sig	chr7_210038
chr2	2.42E+08	241901625	+	6.546E-11	5.4709E-10	-0.28981	hypo	sig	chr2_241901625
chr9	1.34E+08	134387430	+	6.549E-11	5.4727E-10	0.242421	hyper	sig	chr9_134387430
chr10	8057055	8057055	+	6.553E-11	5.476E-10	-0.25245	hypo	sig	chr10_8057055
chr10	3288290	3288290	+	6.559E-11	5.4812E-10	-0.28272	hypo	sig	chr10_3288290
chr4	41744979	41744979	+	6.562E-11	5.4832E-10	0.27957	hyper	sig	chr4_41744979
chr20	46153216	46153216	+	6.564E-11	5.4846E-10	-0.23545	hypo	sig	chr20_46153216
chr17	43780235	43780235	+	6.569E-11	5.4888E-10	-0.20134	hypo	sig	chr17_43780235
chr1	3543939	3543939	+	6.573E-11	5.492E-10	-0.26909	hypo	sig	chr1_3543939
chr5	2008278	2008278	+	6.576E-11	5.4946E-10	0.216927	hyper	sig	chr5_2008278
chr12	1.25E+08	124506344	+	6.578E-11	5.4964E-10	0.229078	hyper	sig	chr12_124506344
chr19	2358622	2358622	+	6.578E-11	5.4964E-10	-0.27494	hypo	sig	chr19_2358622
chr11	43523234	43523234	+	6.58E-11	5.498E-10	-0.26031	hypo	sig	chr11_43523234
chr6	77462948	77462948	+	6.581E-11	5.4983E-10	0.234607	hyper	sig	chr6_77462948
chr1	2332196	2332196	+	6.584E-11	5.5008E-10	-0.23679	hypo	sig	chr1_2332196
chr7	55018367	55018367	+	6.588E-11	5.504E-10	0.200113	hyper	sig	chr7_55018367
chr22	38110730	38110730	+	6.589E-11	5.5044E-10	-0.22521	hypo	sig	chr22_38110730
chr5	1.59E+08	159095446	+	6.592E-11	5.5072E-10	0.213415	hyper	sig	chr5_159095446
chr14	1.01E+08	100830893	+	6.593E-11	5.5075E-10	-0.20058	hypo	sig	chr14_100830893
chr12	38153625	38153625	+	6.595E-11	5.5099E-10	-0.2842	hypo	sig	chr12_38153625
chr6	1.37E+08	137497229	+	6.597E-11	5.511E-10	0.224305	hyper	sig	chr6_137497229
chr7	1.59E+08	159061851	+	6.597E-11	5.5114E-10	0.238028	hyper	sig	chr7_159061851
chr19	2811740	2811740	+	6.598E-11	5.5114E-10	-0.20801	hypo	sig	chr19_2811740
chr8	1.41E+08	141207511	+	6.601E-11	5.5146E-10	-0.21621	hypo	sig	chr8_141207511
chr7	4261203	4261203	+	6.603E-11	5.5162E-10	0.280469	hyper	sig	chr7_4261203
chr4	1.44E+08	143912076	+	6.607E-11	5.5192E-10	0.234153	hyper	sig	chr4_143912076
chr7	1.55E+08	155375044	+	6.609E-11	5.5209E-10	0.319015	hyper	sig	chr7_155375044
chr16	1341643	1341643	+	6.61E-11	5.5212E-10	-0.21753	hypo	sig	chr16_1341643
chr9	1.37E+08	137019300	+	6.612E-11	5.523E-10	-0.22007	hypo	sig	chr9_137019300

chr13	1.12E+08	112328939	+	6.62E-11	5.5298E-10	-0.22732	hypo	sig	chr13_112328939
chr16	29133067	29133067	+	6.622E-11	5.5309E-10	-0.22471	hypo	sig	chr16_29133067
chr2	2.41E+08	240816484	+	6.622E-11	5.531E-10	-0.26144	hypo	sig	chr2_240816484
chr5	1.79E+08	178577120	+	6.624E-11	5.5329E-10	0.221128	hyper	sig	chr5_178577120
chr10	1.33E+08	132645704	+	6.627E-11	5.5349E-10	0.205372	hyper	sig	chr10_132645704
chr2	2.36E+08	235508911	+	6.629E-11	5.5362E-10	-0.25505	hypo	sig	chr2_235508911
chr17	45949885	45949885	+	6.633E-11	5.5401E-10	-0.20788	hypo	sig	chr17_45949885
chr6	1.46E+08	146434511	+	6.637E-11	5.5427E-10	0.285076	hyper	sig	chr6_146434511
chr14	1.06E+08	105631021	+	6.639E-11	5.545E-10	-0.22509	hypo	sig	chr14_105631021
chr11	20601766	20601766	+	6.64E-11	5.5453E-10	0.243346	hyper	sig	chr11_20601766
chr5	1.41E+08	140797079	+	6.642E-11	5.5473E-10	0.204644	hyper	sig	chr5_140797079
chr6	13014866	13014866	+	6.644E-11	5.5483E-10	0.203044	hyper	sig	chr6_13014866
chr20	24471387	24471387	+	6.651E-11	5.5538E-10	0.228505	hyper	sig	chr20_24471387
chr8	1.43E+08	142753369	+	6.655E-11	5.557E-10	-0.22498	hypo	sig	chr8_142753369
chr11	1.34E+08	134277439	+	6.656E-11	5.5585E-10	0.261777	hyper	sig	chr11_134277439
chr7	1.59E+08	159026981	+	6.666E-11	5.5658E-10	-0.22081	hypo	sig	chr7_159026981
chr16	88187356	88187356	+	6.666E-11	5.5659E-10	-0.2171	hypo	sig	chr16_88187356
chr1	42957401	42957401	+	6.667E-11	5.5667E-10	-0.21647	hypo	sig	chr1_42957401
chr1	35577720	35577720	+	6.669E-11	5.5681E-10	0.248043	hyper	sig	chr1_35577720
chr16	30474205	30474205	+	6.669E-11	5.5685E-10	0.24606	hyper	sig	chr16_30474205
chr17	67246635	67246635	+	6.67E-11	5.5689E-10	-0.22638	hypo	sig	chr17_67246635
chr1	1.48E+08	148354462	+	6.671E-11	5.5697E-10	0.235057	hyper	sig	chr1_148354462
chr10	47325502	47325502	+	6.673E-11	5.5716E-10	-0.20097	hypo	sig	chr10_47325502
chr5	17654503	17654503	+	6.678E-11	5.5756E-10	-0.2555	hypo	sig	chr5_17654503
chr6	1.66E+08	165825218	+	6.687E-11	5.5827E-10	-0.24262	hypo	sig	chr6_165825218
chr17	60145393	60145393	+	6.691E-11	5.5861E-10	0.217192	hyper	sig	chr17_60145393
chr11	1927927	1927927	+	6.701E-11	5.5945E-10	-0.23422	hypo	sig	chr11_1927927
chr2	1E+08	100397711	+	6.703E-11	5.596E-10	-0.28124	hypo	sig	chr2_100397711
chr3	6860717	6860717	+	6.706E-11	5.598E-10	0.219951	hyper	sig	chr3_6860717
chr4	6008417	6008417	+	6.707E-11	5.5992E-10	0.209472	hyper	sig	chr4_6008417
chr16	2183980	2183980	+	6.717E-11	5.607E-10	-0.20626	hypo	sig	chr16_2183980
chr12	53492417	53492417	+	6.719E-11	5.6088E-10	0.227551	hyper	sig	chr12_53492417
chr19	10230101	10230101	+	6.72E-11	5.6095E-10	0.214224	hyper	sig	chr19_10230101
chr19	58118752	58118752	+	6.726E-11	5.6141E-10	0.257069	hyper	sig	chr19_58118752
chr9	1.37E+08	137251259	+	6.727E-11	5.6151E-10	0.24455	hyper	sig	chr9_137251259
chr10	22928246	22928246	+	6.733E-11	5.6192E-10	0.238923	hyper	sig	chr10_22928246
chr18	32773057	32773057	+	6.736E-11	5.6215E-10	-0.25677	hypo	sig	chr18_32773057
chr10	73907089	73907089	+	6.736E-11	5.6221E-10	0.292929	hyper	sig	chr10_73907089
chr12	5032999	5032999	+	6.739E-11	5.6245E-10	-0.20787	hypo	sig	chr12_5032999
chr16	85982793	85982793	+	6.74E-11	5.6246E-10	-0.22644	hypo	sig	chr16_85982793
chr6	36127170	36127170	+	6.744E-11	5.6285E-10	-0.20236	hypo	sig	chr6_36127170
chr5	1.41E+08	141399699	+	6.745E-11	5.6294E-10	0.214901	hyper	sig	chr5_141399699
chr19	8210155	8210155	+	6.752E-11	5.6347E-10	0.276525	hyper	sig	chr19_8210155
chr7	1.08E+08	107843416	+	6.754E-11	5.6365E-10	-0.2017	hypo	sig	chr7_107843416
chr12	1.15E+08	114700203	+	6.756E-11	5.638E-10	0.21613	hyper	sig	chr12_114700203
chr19	937466	937466	+	6.766E-11	5.6458E-10	-0.20849	hypo	sig	chr19_937466
chr11	67374628	67374628	+	6.77E-11	5.6489E-10	-0.20701	hypo	sig	chr11_67374628
chr11	19346147	19346147	+	6.77E-11	5.6495E-10	0.227932	hyper	sig	chr11_19346147
chr20	36876224	36876224	+	6.772E-11	5.6507E-10	-0.27724	hypo	sig	chr20_36876224
chr21	45478733	45478733	+	6.774E-11	5.6521E-10	-0.25605	hypo	sig	chr21_45478733
chr6	28259235	28259235	+	6.776E-11	5.6534E-10	0.247824	hyper	sig	chr6_28259235
chr5	88889286	88889286	+	6.78E-11	5.6573E-10	0.232724	hyper	sig	chr5_88889286
chr5	1.41E+08	141431494	+	6.794E-11	5.6684E-10	0.274236	hyper	sig	chr5_141431494
chr16	54939135	54939135	+	6.797E-11	5.6708E-10	0.216128	hyper	sig	chr16_54939135
chr16	1107233	1107233	+	6.798E-11	5.6713E-10	-0.21375	hypo	sig	chr16_1107233
chr20	63420843	63420843	+	6.799E-11	5.6725E-10	-0.23657	hypo	sig	chr20_63420843

chr3	22372075	22372075	+	6.805E-11	5.6767E-10	0.241142	hyper	sig	chr3_22372075
chr7	50450963	50450963	+	6.805E-11	5.6774E-10	0.212159	hyper	sig	chr7_50450963
chr2	20671501	20671501	+	6.807E-11	5.6785E-10	0.224402	hyper	sig	chr2_20671501
chr3	28575196	28575196	+	6.808E-11	5.6797E-10	0.288293	hyper	sig	chr3_28575196
chr17	74844214	74844214	+	6.809E-11	5.6802E-10	-0.21005	hypo	sig	chr17_74844214
chr9	1.35E+08	135175178	+	6.811E-11	5.6816E-10	-0.31397	hypo	sig	chr9_135175178
chr9	1.36E+08	135699125	+	6.813E-11	5.6833E-10	-0.25907	hypo	sig	chr9_135699125
chr11	17385941	17385941	+	6.813E-11	5.6836E-10	-0.23407	hypo	sig	chr11_17385941
chr15	84079842	84079842	+	6.823E-11	5.6913E-10	0.214316	hyper	sig	chr15_84079842
chr3	52226211	52226211	+	6.823E-11	5.6913E-10	-0.31414	hypo	sig	chr3_52226211
chr6	1.46E+08	146027732	+	6.826E-11	5.6933E-10	0.256251	hyper	sig	chr6_146027732
chr3	1.88E+08	187669729	+	6.826E-11	5.6934E-10	0.242582	hyper	sig	chr3_187669729
chr15	74893648	74893648	+	6.831E-11	5.6979E-10	-0.24515	hypo	sig	chr15_74893648
chr7	55078640	55078640	+	6.838E-11	5.7035E-10	-0.30629	hypo	sig	chr7_55078640
chr6	50818784	50818784	+	6.841E-11	5.7055E-10	0.208701	hyper	sig	chr6_50818784
chr12	6697916	6697916	+	6.849E-11	5.7119E-10	-0.23167	hypo	sig	chr12_6697916
chr4	7635727	7635727	+	6.85E-11	5.7133E-10	-0.25697	hypo	sig	chr4_7635727
chr17	32519186	32519186	+	6.852E-11	5.7147E-10	0.218507	hyper	sig	chr17_32519186
chr12	49091240	49091240	+	6.865E-11	5.7251E-10	0.201943	hyper	sig	chr12_49091240
chr12	24948548	24948548	+	6.866E-11	5.7257E-10	0.223997	hyper	sig	chr12_24948548
chr8	11039778	11039778	+	6.868E-11	5.727E-10	-0.21424	hypo	sig	chr8_11039778
chr1	34905086	34905086	+	6.871E-11	5.7293E-10	-0.25626	hypo	sig	chr1_34905086
chr1	6466336	6466336	+	6.874E-11	5.7318E-10	0.230008	hyper	sig	chr1_6466336
chr6	73315315	73315315	+	6.874E-11	5.7321E-10	0.305628	hyper	sig	chr6_73315315
chr6	1.68E+08	168306828	+	6.874E-11	5.7322E-10	-0.21246	hypo	sig	chr6_168306828
chr11	20605357	20605357	+	6.885E-11	5.7404E-10	0.296621	hyper	sig	chr11_20605357
chr10	1.32E+08	132232598	+	6.885E-11	5.7409E-10	-0.22742	hypo	sig	chr10_132232598
chr7	1.55E+08	155381629	+	6.887E-11	5.7424E-10	0.271464	hyper	sig	chr7_155381629
chr5	1.34E+08	134114138	+	6.89E-11	5.7444E-10	0.21552	hyper	sig	chr5_134114138
chr1	1.97E+08	196608474	+	6.893E-11	5.7474E-10	0.235653	hyper	sig	chr1_196608474
chr2	2.35E+08	234995675	+	6.895E-11	5.7483E-10	0.248461	hyper	sig	chr2_234995675
chr10	12128828	12128828	+	6.896E-11	5.7495E-10	-0.26075	hypo	sig	chr10_12128828
chr4	80263091	80263091	+	6.898E-11	5.7512E-10	-0.20057	hypo	sig	chr4_80263091
chr7	1.01E+08	101362582	+	6.904E-11	5.7559E-10	0.205811	hyper	sig	chr7_101362582
chr8	33723021	33723021	+	6.908E-11	5.7584E-10	-0.23068	hypo	sig	chr8_33723021
chr13	20391832	20391832	+	6.908E-11	5.7585E-10	-0.27481	hypo	sig	chr13_20391832
chr22	39313848	39313848	+	6.908E-11	5.7588E-10	0.234973	hyper	sig	chr22_39313848
chr1	2.25E+08	224617940	+	6.908E-11	5.759E-10	0.22796	hyper	sig	chr1_224617940
chr10	1.02E+08	101774767	+	6.909E-11	5.7597E-10	0.200249	hyper	sig	chr10_101774767
chr12	53928365	53928365	+	6.91E-11	5.7598E-10	0.29078	hyper	sig	chr12_53928365
chr2	44932295	44932295	+	6.911E-11	5.7609E-10	0.251147	hyper	sig	chr2_44932295
chr3	45035877	45035877	+	6.912E-11	5.7621E-10	0.221847	hyper	sig	chr3_45035877
chr12	54090587	54090587	+	6.916E-11	5.7648E-10	0.272901	hyper	sig	chr12_54090587
chr2	91847141	91847141	+	6.917E-11	5.7659E-10	-0.20781	hypo	sig	chr2_91847141
chr7	1.51E+08	151302475	+	6.919E-11	5.7669E-10	-0.2425	hypo	sig	chr7_151302475
chr10	61453378	61453378	+	6.92E-11	5.7677E-10	0.203188	hyper	sig	chr10_61453378
chr11	64972177	64972177	+	6.922E-11	5.7689E-10	0.257588	hyper	sig	chr11_64972177
chr17	76077448	76077448	+	6.922E-11	5.7689E-10	0.23378	hyper	sig	chr17_76077448
chr5	1.35E+08	135489151	+	6.922E-11	5.7694E-10	0.201995	hyper	sig	chr5_135489151
chr9	1.31E+08	130666750	+	6.927E-11	5.7736E-10	0.210212	hyper	sig	chr9_130666750
chr6	1.49E+08	148748769	+	6.929E-11	5.7749E-10	0.226348	hyper	sig	chr6_148748769
chr6	1.66E+08	165731408	+	6.934E-11	5.7789E-10	-0.24814	hypo	sig	chr6_165731408
chr19	18878123	18878123	+	6.936E-11	5.7806E-10	-0.22255	hypo	sig	chr19_18878123
chr16	51153477	51153477	+	6.939E-11	5.7832E-10	0.29585	hyper	sig	chr16_51153477
chr17	78142433	78142433	+	6.941E-11	5.7849E-10	-0.2302	hypo	sig	chr17_78142433
chr22	20364443	20364443	+	6.942E-11	5.7851E-10	-0.21123	hypo	sig	chr22_20364443

chr9	35036149	35036149	+	6.944E-11	5.7872E-10	0.249549	hyper	sig	chr9_35036149
chr10	45443121	45443121	+	6.947E-11	5.7894E-10	-0.22528	hypo	sig	chr10_45443121
chr4	1.11E+08	110614481	+	6.952E-11	5.7929E-10	0.241709	hyper	sig	chr4_110614481
chr12	1.3E+08	130334358	+	6.952E-11	5.7932E-10	0.241238	hyper	sig	chr12_130334358
chr3	1.16E+08	115790892	+	6.955E-11	5.7958E-10	-0.233	hypo	sig	chr3_115790892
chr9	1.37E+08	137019241	+	6.964E-11	5.8029E-10	-0.25355	hypo	sig	chr9_137019241
chr19	2513643	2513643	+	6.965E-11	5.8032E-10	-0.21808	hypo	sig	chr19_2513643
chr17	76027608	76027608	+	6.966E-11	5.8046E-10	-0.21247	hypo	sig	chr17_76027608
chr2	58428892	58428892	+	6.971E-11	5.8084E-10	0.23433	hyper	sig	chr2_58428892
chr20	22587375	22587375	+	6.977E-11	5.8133E-10	0.201149	hyper	sig	chr20_22587375
chr6	1.7E+08	170272379	+	6.979E-11	5.8147E-10	-0.20122	hypo	sig	chr6_170272379
chr5	1.4E+08	139710619	+	6.98E-11	5.8151E-10	-0.23403	hypo	sig	chr5_139710619
chr10	1.01E+08	101061976	+	6.982E-11	5.8168E-10	-0.22416	hypo	sig	chr10_101061976
chr19	49528188	49528188	+	6.982E-11	5.8168E-10	0.238815	hyper	sig	chr19_49528188
chr19	55704070	55704070	+	6.983E-11	5.8177E-10	0.222882	hyper	sig	chr19_55704070
chr3	1.94E+08	193869876	+	6.985E-11	5.8193E-10	-0.20881	hypo	sig	chr3_193869876
chr2	86790926	86790926	+	6.989E-11	5.8218E-10	0.240239	hyper	sig	chr2_86790926
chr5	143026	143026	+	7E-11	5.8307E-10	-0.24508	hypo	sig	chr5_143026
chr16	14400254	14400254	+	7.003E-11	5.8333E-10	0.22107	hyper	sig	chr16_14400254
chr6	44041594	44041594	+	7.005E-11	5.8351E-10	0.243131	hyper	sig	chr6_44041594
chr7	1E+08	100099643	+	7.007E-11	5.8364E-10	0.206174	hyper	sig	chr7_100099643
chr1	2207580	2207580	+	7.009E-11	5.8382E-10	0.303343	hyper	sig	chr1_2207580
chr5	77644557	77644557	+	7.013E-11	5.841E-10	0.324587	hyper	sig	chr5_77644557
chr16	88927271	88927271	+	7.015E-11	5.8428E-10	-0.25461	hypo	sig	chr16_88927271
chr7	1.58E+08	158238074	+	7.019E-11	5.8461E-10	-0.22201	hypo	sig	chr7_158238074
chr17	42685239	42685239	+	7.032E-11	5.8562E-10	0.251182	hyper	sig	chr17_42685239
chr10	1.19E+08	118595812	+	7.032E-11	5.8564E-10	0.250631	hyper	sig	chr10_118595812
chr5	1.41E+08	140797003	+	7.034E-11	5.8576E-10	0.224715	hyper	sig	chr5_140797003
chr16	85610210	85610210	+	7.052E-11	5.872E-10	-0.22418	hypo	sig	chr16_85610210
chr10	1.32E+08	132375400	+	7.055E-11	5.8745E-10	-0.20261	hypo	sig	chr10_132375400
chr20	34862160	34862160	+	7.055E-11	5.8749E-10	-0.22141	hypo	sig	chr20_34862160
chr12	15221105	15221105	+	7.057E-11	5.8762E-10	0.21657	hyper	sig	chr12_15221105
chr16	1258141	1258141	+	7.058E-11	5.8773E-10	-0.22873	hypo	sig	chr16_1258141
chr9	69174751	69174751	+	7.062E-11	5.8799E-10	0.224629	hyper	sig	chr9_69174751
chr2	2026614	2026614	+	7.064E-11	5.8815E-10	-0.24805	hypo	sig	chr2_2026614
chr17	39165311	39165311	+	7.065E-11	5.8827E-10	0.292105	hyper	sig	chr17_39165311
chr18	34494547	34494547	+	7.066E-11	5.883E-10	0.223052	hyper	sig	chr18_34494547
chr9	88990978	88990978	+	7.069E-11	5.8854E-10	0.205837	hyper	sig	chr9_88990978
chr6	28814272	28814272	+	7.072E-11	5.8881E-10	0.324797	hyper	sig	chr6_28814272
chr10	80535603	80535603	+	7.073E-11	5.8886E-10	-0.21065	hypo	sig	chr10_80535603
chr7	1.56E+08	155804288	+	7.074E-11	5.8895E-10	0.268303	hyper	sig	chr7_155804288
chr1	75127832	75127832	+	7.075E-11	5.8898E-10	0.216213	hyper	sig	chr1_75127832
chr1	2.36E+08	235642299	+	7.085E-11	5.8981E-10	-0.25233	hypo	sig	chr1_235642299
chr19	19514413	19514413	+	7.091E-11	5.9033E-10	0.309295	hyper	sig	chr19_19514413
chr8	23705738	23705738	+	7.094E-11	5.9059E-10	0.254356	hyper	sig	chr8_23705738
chr3	51955628	51955628	+	7.103E-11	5.9128E-10	0.219034	hyper	sig	chr3_51955628
chr3	1.35E+08	134648209	+	7.107E-11	5.9158E-10	-0.212	hypo	sig	chr3_134648209
chr6	1.69E+08	169169691	+	7.109E-11	5.9173E-10	-0.22791	hypo	sig	chr6_169169691
chr7	19117537	19117537	+	7.116E-11	5.9229E-10	0.223486	hyper	sig	chr7_19117537
chr1	2.43E+08	242524943	+	7.124E-11	5.9296E-10	0.206537	hyper	sig	chr1_242524943
chr19	7533570	7533570	+	7.127E-11	5.9315E-10	0.22942	hyper	sig	chr19_7533570
chr19	57119789	57119789	+	7.13E-11	5.9343E-10	-0.26124	hypo	sig	chr19_57119789
chr2	3601895	3601895	+	7.135E-11	5.9383E-10	-0.25954	hypo	sig	chr2_3601895
chr6	1.59E+08	158820407	+	7.136E-11	5.939E-10	-0.20271	hypo	sig	chr6_158820407
chr12	1635844	1635844	+	7.137E-11	5.9393E-10	-0.2478	hypo	sig	chr12_1635844
chr7	1.01E+08	101096336	+	7.139E-11	5.941E-10	-0.22301	hypo	sig	chr7_101096336

chr16	28882576	28882576	+	7.14E-11	5.9423E-10	0.219229	hyper	sig	chr16_28882576
chr3	1.28E+08	128492290	+	7.143E-11	5.9447E-10	0.223158	hyper	sig	chr3_128492290
chr11	1.25E+08	124864516	+	7.147E-11	5.9474E-10	0.257301	hyper	sig	chr11_124864516
chr1	2.28E+08	228470670	+	7.153E-11	5.9527E-10	0.280571	hyper	sig	chr1_228470670
chr16	1764167	1764167	+	7.156E-11	5.9548E-10	0.203364	hyper	sig	chr16_1764167
chr7	1.58E+08	157904541	+	7.157E-11	5.9555E-10	-0.20087	hypo	sig	chr7_157904541
chr22	37983535	37983535	+	7.159E-11	5.9569E-10	0.238636	hyper	sig	chr22_37983535
chr3	1.47E+08	147397324	+	7.163E-11	5.9602E-10	0.234896	hyper	sig	chr3_147397324
chr3	52313924	52313924	+	7.165E-11	5.9612E-10	-0.21176	hypo	sig	chr3_52313924
chr13	1.14E+08	114054419	+	7.168E-11	5.964E-10	-0.2849	hypo	sig	chr13_114054419
chr19	3884704	3884704	+	7.187E-11	5.9798E-10	-0.24218	hypo	sig	chr19_3884704
chr14	91229917	91229917	+	7.189E-11	5.9807E-10	-0.23143	hypo	sig	chr14_91229917
chr18	57436174	57436174	+	7.191E-11	5.9826E-10	0.217172	hyper	sig	chr18_57436174
chr1	77281689	77281689	+	7.2E-11	5.9897E-10	0.223407	hyper	sig	chr1_77281689
chr17	81400700	81400700	+	7.2E-11	5.99E-10	0.231334	hyper	sig	chr17_81400700
chr3	1.2E+08	119810288	+	7.201E-11	5.9907E-10	0.212798	hyper	sig	chr3_119810288
chr1	2.07E+08	206558392	+	7.201E-11	5.9908E-10	-0.21245	hypo	sig	chr1_206558392
chr15	40249818	40249818	+	7.206E-11	5.9948E-10	-0.23893	hypo	sig	chr15_40249818
chr1	2378700	2378700	+	7.209E-11	5.9967E-10	-0.22816	hypo	sig	chr1_2378700
chr20	63306145	63306145	+	7.211E-11	5.9984E-10	-0.23255	hypo	sig	chr20_63306145
chr16	88416416	88416416	+	7.213E-11	6.0001E-10	-0.23908	hypo	sig	chr16_88416416
chr18	37567585	37567585	+	7.213E-11	6.0001E-10	0.277276	hyper	sig	chr18_37567585
chr7	45087012	45087012	+	7.214E-11	6.0012E-10	-0.23047	hypo	sig	chr7_45087012
chr16	89938784	89938784	+	7.216E-11	6.0027E-10	-0.26049	hypo	sig	chr16_89938784
chr10	1.33E+08	132885416	+	7.218E-11	6.0039E-10	-0.21716	hypo	sig	chr10_132885416
chr3	62369783	62369783	+	7.218E-11	6.0042E-10	0.245354	hyper	sig	chr3_62369783
chr3	1.28E+08	128483809	+	7.219E-11	6.0049E-10	0.277534	hyper	sig	chr3_128483809
chr3	1.87E+08	187196162	+	7.23E-11	6.0139E-10	-0.20117	hypo	sig	chr3_187196162
chr8	96155272	96155272	+	7.233E-11	6.0159E-10	0.257024	hyper	sig	chr8_96155272
chr2	10432323	10432323	+	7.235E-11	6.0176E-10	-0.20443	hypo	sig	chr2_10432323
chr2	1.71E+08	170823104	+	7.236E-11	6.0183E-10	0.209224	hyper	sig	chr2_170823104
chr3	23202202	23202202	+	7.237E-11	6.0191E-10	-0.269	hypo	sig	chr3_23202202
chr12	53975664	53975664	+	7.238E-11	6.0199E-10	0.215853	hyper	sig	chr12_53975664
chr5	77843702	77843702	+	7.25E-11	6.0294E-10	-0.20098	hypo	sig	chr5_77843702
chr1	3317524	3317524	+	7.253E-11	6.0316E-10	-0.21978	hypo	sig	chr1_3317524
chr22	46374791	46374791	+	7.257E-11	6.0348E-10	-0.22352	hypo	sig	chr22_46374791
chr15	24878340	24878340	+	7.261E-11	6.0385E-10	0.254477	hyper	sig	chr15_24878340
chr2	2.36E+08	236177165	+	7.265E-11	6.0411E-10	0.23637	hyper	sig	chr2_236177165
chr1	1.11E+08	110606208	+	7.266E-11	6.042E-10	0.231602	hyper	sig	chr1_110606208
chr5	91918495	91918495	+	7.271E-11	6.0457E-10	-0.26314	hypo	sig	chr5_91918495
chr17	41315655	41315655	+	7.279E-11	6.0527E-10	0.200249	hyper	sig	chr17_41315655
chr16	29285351	29285351	+	7.281E-11	6.0539E-10	-0.22018	hypo	sig	chr16_29285351
chr1	1.19E+08	118988420	+	7.282E-11	6.055E-10	0.275132	hyper	sig	chr1_118988420
chr7	4245700	4245700	+	7.282E-11	6.0551E-10	-0.23282	hypo	sig	chr7_4245700
chr12	1.33E+08	132977119	+	7.284E-11	6.0563E-10	0.226597	hyper	sig	chr12_132977119
chr16	55327769	55327769	+	7.287E-11	6.0589E-10	0.26455	hyper	sig	chr16_55327769
chr3	1.17E+08	116796430	+	7.292E-11	6.0628E-10	-0.25466	hypo	sig	chr3_116796430
chr1	1.61E+08	161201772	+	7.294E-11	6.0637E-10	0.236095	hyper	sig	chr1_161201772
chr17	42685071	42685071	+	7.295E-11	6.0646E-10	0.255044	hyper	sig	chr17_42685071
chr10	42475177	42475177	+	7.301E-11	6.0693E-10	-0.22281	hypo	sig	chr10_42475177
chr9	1.3E+08	129721114	+	7.304E-11	6.0722E-10	-0.25412	hypo	sig	chr9_129721114
chr20	63773446	63773446	+	7.309E-11	6.0759E-10	-0.23915	hypo	sig	chr20_63773446
chr11	60951308	60951308	+	7.309E-11	6.076E-10	0.252558	hyper	sig	chr11_60951308
chr2	2.38E+08	238231340	+	7.31E-11	6.0765E-10	0.226752	hyper	sig	chr2_238231340
chr17	48563533	48563533	+	7.314E-11	6.0799E-10	0.259518	hyper	sig	chr17_48563533
chr6	6004696	6004696	+	7.314E-11	6.0799E-10	0.205886	hyper	sig	chr6_6004696

chr5	1.41E+08	141399900	+	7.319E-11	6.0839E-10	0.201704	hyper	sig	chr5_141399900
chr12	6056471	6056471	+	7.321E-11	6.0852E-10	-0.20472	hypo	sig	chr12_6056471
chr6	37650311	37650311	+	7.327E-11	6.0901E-10	0.229443	hyper	sig	chr6_37650311
chr19	3821333	3821333	+	7.328E-11	6.0906E-10	-0.25774	hypo	sig	chr19_3821333
chr9	34810251	34810251	+	7.329E-11	6.0912E-10	0.273346	hyper	sig	chr9_34810251
chr18	8366878	8366878	+	7.334E-11	6.0959E-10	-0.30247	hypo	sig	chr18_8366878
chr1	90723618	90723618	+	7.337E-11	6.0983E-10	0.24032	hyper	sig	chr1_90723618
chr19	58367594	58367594	+	7.338E-11	6.0986E-10	0.223426	hyper	sig	chr19_58367594
chr19	10492196	10492196	+	7.344E-11	6.1033E-10	0.20588	hyper	sig	chr19_10492196
chr19	49210820	49210820	+	7.352E-11	6.1102E-10	0.215608	hyper	sig	chr19_49210820
chr17	55845654	55845654	+	7.353E-11	6.1112E-10	0.247268	hyper	sig	chr17_55845654
chr5	1.79E+08	179285640	+	7.354E-11	6.1114E-10	-0.23198	hypo	sig	chr5_179285640
chr20	419697	419697	+	7.357E-11	6.1138E-10	-0.28403	hypo	sig	chr20_419697
chr19	1908204	1908204	+	7.357E-11	6.1141E-10	-0.22085	hypo	sig	chr19_1908204
chr8	1.43E+08	142567363	+	7.358E-11	6.115E-10	-0.24358	hypo	sig	chr8_142567363
chr13	70108234	70108234	+	7.359E-11	6.1155E-10	0.257327	hyper	sig	chr13_70108234
chr1	2.27E+08	226736981	+	7.361E-11	6.1171E-10	0.302331	hyper	sig	chr1_226736981
chr14	1.01E+08	100826751	+	7.373E-11	6.1265E-10	0.213534	hyper	sig	chr14_100826751
chr16	49278649	49278649	+	7.373E-11	6.1265E-10	0.204072	hyper	sig	chr16_49278649
chr12	1.33E+08	132882308	+	7.377E-11	6.1295E-10	0.249777	hyper	sig	chr12_132882308
chr17	28986168	28986168	+	7.378E-11	6.1305E-10	0.201702	hyper	sig	chr17_28986168
chr14	23375725	23375725	+	7.381E-11	6.1323E-10	-0.21416	hypo	sig	chr14_23375725
chr11	67464480	67464480	+	7.381E-11	6.1326E-10	-0.20665	hypo	sig	chr11_67464480
chr13	1.07E+08	106917078	+	7.383E-11	6.1339E-10	-0.22465	hypo	sig	chr13_106917078
chr12	63821818	63821818	+	7.383E-11	6.134E-10	0.231606	hyper	sig	chr12_63821818
chr17	34582380	34582380	+	7.387E-11	6.1369E-10	0.233797	hyper	sig	chr17_34582380
chr3	42686297	42686297	+	7.392E-11	6.1412E-10	0.304947	hyper	sig	chr3_42686297
chr2	70939896	70939896	+	7.393E-11	6.1419E-10	-0.26321	hypo	sig	chr2_70939896
chr5	1.41E+08	141382748	+	7.401E-11	6.1485E-10	0.217911	hyper	sig	chr5_141382748
chr17	6655453	6655453	+	7.405E-11	6.1514E-10	0.23697	hyper	sig	chr17_6655453
chr1	1.55E+08	155294600	+	7.405E-11	6.1517E-10	0.206052	hyper	sig	chr1_155294600
chr19	1254262	1254262	+	7.406E-11	6.1521E-10	0.203243	hyper	sig	chr19_1254262
chr1	1.1E+08	110069236	+	7.407E-11	6.1533E-10	0.256129	hyper	sig	chr1_110069236
chr6	30007847	30007847	+	7.409E-11	6.1546E-10	0.237166	hyper	sig	chr6_30007847
chr19	5046584	5046584	+	7.411E-11	6.156E-10	-0.22797	hypo	sig	chr19_5046584
chr11	17534317	17534317	+	7.419E-11	6.1626E-10	0.230408	hyper	sig	chr11_17534317
chr14	99767123	99767123	+	7.429E-11	6.1707E-10	0.239314	hyper	sig	chr14_99767123
chr3	1.26E+08	125756151	+	7.431E-11	6.1724E-10	-0.24704	hypo	sig	chr3_125756151
chr16	56673018	56673018	+	7.437E-11	6.1776E-10	-0.22669	hypo	sig	chr16_56673018
chr16	67884796	67884796	+	7.438E-11	6.1782E-10	0.281669	hyper	sig	chr16_67884796
chr12	1.12E+08	111788288	+	7.444E-11	6.1824E-10	0.246774	hyper	sig	chr12_111788288
chr15	74133172	74133172	+	7.447E-11	6.1852E-10	0.252378	hyper	sig	chr15_74133172
chr19	802935	802935	+	7.448E-11	6.1855E-10	0.273075	hyper	sig	chr19_802935
chr1	2.4E+08	240093885	+	7.461E-11	6.1962E-10	0.221726	hyper	sig	chr1_240093885
chr5	1.41E+08	141200071	+	7.465E-11	6.1997E-10	0.207202	hyper	sig	chr5_141200071
chr12	1.31E+08	131133494	+	7.468E-11	6.202E-10	-0.22936	hypo	sig	chr12_131133494
chr19	46466716	46466716	+	7.469E-11	6.2026E-10	-0.20408	hypo	sig	chr19_46466716
chr22	46374810	46374810	+	7.473E-11	6.2056E-10	-0.24848	hypo	sig	chr22_46374810
chr7	561590	561590	+	7.477E-11	6.2086E-10	0.2449	hyper	sig	chr7_561590
chr6	30071603	30071603	+	7.478E-11	6.2098E-10	0.287932	hyper	sig	chr6_30071603
chr5	1.75E+08	174732670	+	7.481E-11	6.2123E-10	0.226672	hyper	sig	chr5_174732670
chr18	11752100	11752100	+	7.482E-11	6.2129E-10	0.268435	hyper	sig	chr18_11752100
chr11	65048272	65048272	+	7.483E-11	6.2139E-10	0.221522	hyper	sig	chr11_65048272
chr10	1.01E+08	101135376	+	7.49E-11	6.2189E-10	0.288834	hyper	sig	chr10_101135376
chr10	27413788	27413788	+	7.49E-11	6.2189E-10	0.245687	hyper	sig	chr10_27413788
chr13	99989490	99989490	+	7.499E-11	6.2263E-10	0.215031	hyper	sig	chr13_99989490

chr17	49994376	49994376	+	7.499E-11	6.2264E-10	0.344833	hyper	sig	chr17_49994376
chr1	2.08E+08	207645224	+	7.503E-11	6.2291E-10	0.229469	hyper	sig	chr1_207645224
chr22	44206916	44206916	+	7.503E-11	6.2297E-10	-0.2717	hypo	sig	chr22_44206916
chr15	25657230	25657230	+	7.504E-11	6.2298E-10	-0.21581	hypo	sig	chr15_25657230
chr10	3054027	3054027	+	7.505E-11	6.2308E-10	-0.27244	hypo	sig	chr10_3054027
chr19	11152939	11152939	+	7.506E-11	6.2314E-10	0.211989	hyper	sig	chr19_11152939
chr11	18791083	18791083	+	7.513E-11	6.2375E-10	0.324688	hyper	sig	chr11_18791083
chr1	2014991	2014991	+	7.516E-11	6.2399E-10	-0.26368	hypo	sig	chr1_2014991
chr19	36113913	36113913	+	7.531E-11	6.2522E-10	0.226126	hyper	sig	chr19_36113913
chr14	1.05E+08	104936861	+	7.535E-11	6.2546E-10	-0.21347	hypo	sig	chr14_104936861
chr3	1.31E+08	130517358	+	7.536E-11	6.2561E-10	0.22274	hyper	sig	chr3_130517358
chr1	3593971	3593971	+	7.543E-11	6.2618E-10	-0.25015	hypo	sig	chr1_3593971
chr4	1.89E+08	189097010	+	7.545E-11	6.2628E-10	-0.24842	hypo	sig	chr4_189097010
chr9	96219175	96219175	+	7.551E-11	6.268E-10	-0.25502	hypo	sig	chr9_96219175
chr13	1.13E+08	112985338	+	7.554E-11	6.2701E-10	-0.26268	hypo	sig	chr13_112985338
chr19	40365757	40365757	+	7.558E-11	6.2736E-10	0.252976	hyper	sig	chr19_40365757
chr14	53952089	53952089	+	7.564E-11	6.2778E-10	0.219711	hyper	sig	chr14_53952089
chr7	4830458	4830458	+	7.567E-11	6.2808E-10	-0.22572	hypo	sig	chr7_4830458
chr4	1.74E+08	173538282	+	7.578E-11	6.2897E-10	0.230396	hyper	sig	chr4_173538282
chr4	1722762	1722762	+	7.58E-11	6.2905E-10	-0.25234	hypo	sig	chr4_1722762
chr8	19602686	19602686	+	7.584E-11	6.2939E-10	0.234875	hyper	sig	chr8_19602686
chr11	76824446	76824446	+	7.594E-11	6.3022E-10	-0.22516	hypo	sig	chr11_76824446
chr6	31663985	31663985	+	7.608E-11	6.3136E-10	0.211831	hyper	sig	chr6_31663985
chr2	2.22E+08	222298546	+	7.611E-11	6.3155E-10	0.216524	hyper	sig	chr2_222298546
chr17	75320613	75320613	+	7.612E-11	6.3164E-10	0.221759	hyper	sig	chr17_75320613
chr17	82321151	82321151	+	7.62E-11	6.3229E-10	-0.27323	hypo	sig	chr17_82321151
chr6	1.08E+08	108167390	+	7.622E-11	6.3242E-10	0.205861	hyper	sig	chr6_108167390
chr6	31593060	31593060	+	7.627E-11	6.3284E-10	-0.26706	hypo	sig	chr6_31593060
chr1	16227874	16227874	+	7.633E-11	6.3331E-10	0.271819	hyper	sig	chr1_16227874
chr10	46555599	46555599	+	7.634E-11	6.334E-10	0.210584	hyper	sig	chr10_46555599
chr3	1.85E+08	184769950	+	7.643E-11	6.3405E-10	-0.24016	hypo	sig	chr3_184769950
chr10	1.17E+08	117133637	+	7.645E-11	6.3421E-10	0.248284	hyper	sig	chr10_117133637
chr1	2.28E+08	227789635	+	7.648E-11	6.3449E-10	-0.20494	hypo	sig	chr1_227789635
chr2	1.45E+08	144512077	+	7.648E-11	6.3449E-10	-0.20525	hypo	sig	chr2_144512077
chr6	1.59E+08	158649548	+	7.651E-11	6.3467E-10	-0.221	hypo	sig	chr6_158649548
chr13	1.12E+08	112036237	+	7.652E-11	6.3479E-10	-0.20793	hypo	sig	chr13_112036237
chr22	44729476	44729476	+	7.654E-11	6.3495E-10	0.240948	hyper	sig	chr22_44729476
chr5	1.54E+08	154473981	+	7.66E-11	6.3538E-10	0.203009	hyper	sig	chr5_154473981
chr19	35359628	35359628	+	7.661E-11	6.3552E-10	-0.24923	hypo	sig	chr19_35359628
chr15	77904394	77904394	+	7.663E-11	6.3567E-10	-0.27584	hypo	sig	chr15_77904394
chr2	2.35E+08	235192052	+	7.664E-11	6.3567E-10	0.211034	hyper	sig	chr2_235192052
chr3	48269054	48269054	+	7.676E-11	6.3664E-10	-0.20327	hypo	sig	chr3_48269054
chr1	1.11E+08	110675168	+	7.679E-11	6.3688E-10	0.270133	hyper	sig	chr1_110675168
chr14	95047577	95047577	+	7.682E-11	6.3714E-10	0.244	hyper	sig	chr14_95047577
chr14	95879285	95879285	+	7.685E-11	6.3734E-10	-0.21463	hypo	sig	chr14_95879285
chr10	1466995	1466995	+	7.699E-11	6.3854E-10	0.243222	hyper	sig	chr10_1466995
chr3	37994103	37994103	+	7.701E-11	6.3867E-10	0.275592	hyper	sig	chr3_37994103
chr14	71933398	71933398	+	7.703E-11	6.3882E-10	0.235382	hyper	sig	chr14_71933398
chr19	19861225	19861225	+	7.711E-11	6.3943E-10	0.209234	hyper	sig	chr19_19861225
chr14	37622721	37622721	+	7.712E-11	6.3952E-10	0.261787	hyper	sig	chr14_37622721
chr14	28774028	28774028	+	7.713E-11	6.3959E-10	0.226229	hyper	sig	chr14_28774028
chr3	62377511	62377511	+	7.718E-11	6.3996E-10	0.282055	hyper	sig	chr3_62377511
chr4	54094827	54094827	+	7.722E-11	6.4028E-10	0.24887	hyper	sig	chr4_54094827
chr6	10382659	10382659	+	7.722E-11	6.4028E-10	0.287576	hyper	sig	chr6_10382659
chr11	1.23E+08	122672732	+	7.725E-11	6.4052E-10	-0.20953	hypo	sig	chr11_122672732
chr5	1.29E+08	128966614	+	7.725E-11	6.4052E-10	-0.24723	hypo	sig	chr5_128966614

chr6	1.23E+08	122996454	+	7.726E-11	6.4065E-10	0.252679	hyper	sig	chr6_122996454
chr7	1.5E+08	149501941	+	7.727E-11	6.4066E-10	-0.24629	hypo	sig	chr7_149501941
chr11	70141336	70141336	+	7.729E-11	6.4084E-10	0.263181	hyper	sig	chr11_70141336
chr15	89368116	89368116	+	7.729E-11	6.4085E-10	0.204245	hyper	sig	chr15_89368116
chr13	90349522	90349522	+	7.738E-11	6.4152E-10	-0.22417	hypo	sig	chr13_90349522
chr16	22156540	22156540	+	7.742E-11	6.4191E-10	-0.21047	hypo	sig	chr16_22156540
chr12	1.3E+08	130491954	+	7.745E-11	6.421E-10	0.230336	hyper	sig	chr12_130491954
chr13	1.11E+08	111094441	+	7.757E-11	6.4309E-10	-0.21321	hypo	sig	chr13_111094441
chr3	1.7E+08	169659924	+	7.761E-11	6.4341E-10	0.245883	hyper	sig	chr3_169659924
chr3	13283424	13283424	+	7.769E-11	6.4406E-10	0.215979	hyper	sig	chr3_13283424
chr16	87614539	87614539	+	7.772E-11	6.4432E-10	-0.23982	hypo	sig	chr16_87614539
chr10	1.33E+08	132794410	+	7.773E-11	6.4433E-10	-0.22088	hypo	sig	chr10_132794410
chr8	56437531	56437531	+	7.774E-11	6.4442E-10	-0.23145	hypo	sig	chr8_56437531
chr1	38044807	38044807	+	7.784E-11	6.4523E-10	0.207233	hyper	sig	chr1_38044807
chr2	96527376	96527376	+	7.786E-11	6.4538E-10	0.245982	hyper	sig	chr2_96527376
chr9	1.36E+08	135590892	+	7.787E-11	6.4548E-10	-0.31005	hypo	sig	chr9_135590892
chr7	1.5E+08	150049555	+	7.788E-11	6.4553E-10	0.237832	hyper	sig	chr7_150049555
chr12	1.31E+08	131032500	+	7.789E-11	6.4561E-10	-0.23409	hypo	sig	chr12_131032500
chr7	27105013	27105013	+	7.791E-11	6.4574E-10	0.204534	hyper	sig	chr7_27105013
chr5	2747755	2747755	+	7.795E-11	6.4612E-10	0.261699	hyper	sig	chr5_2747755
chr2	74526564	74526564	+	7.797E-11	6.4621E-10	-0.20612	hypo	sig	chr2_74526564
chr18	5196398	5196398	+	7.816E-11	6.4777E-10	0.210591	hyper	sig	chr18_5196398
chr10	1.33E+08	132806683	+	7.818E-11	6.4792E-10	-0.28575	hypo	sig	chr10_132806683
chr5	1.41E+08	141485317	+	7.819E-11	6.4805E-10	0.25999	hyper	sig	chr5_141485317
chr18	37274337	37274337	+	7.821E-11	6.4819E-10	0.228436	hyper	sig	chr18_37274337
chr1	3145997	3145997	+	7.825E-11	6.4851E-10	0.236759	hyper	sig	chr1_3145997
chr19	4903940	4903940	+	7.829E-11	6.4879E-10	-0.20957	hypo	sig	chr19_4903940
chr2	2.42E+08	241857401	+	7.832E-11	6.4902E-10	-0.24378	hypo	sig	chr2_241857401
chr3	13204626	13204626	+	7.834E-11	6.4919E-10	0.294307	hyper	sig	chr3_13204626
chr11	1.25E+08	124866961	+	7.839E-11	6.4957E-10	0.202124	hyper	sig	chr11_124866961
chr13	36346699	36346699	+	7.841E-11	6.4979E-10	0.218031	hyper	sig	chr13_36346699
chr17	75587948	75587948	+	7.842E-11	6.4984E-10	0.212198	hyper	sig	chr17_75587948
chr17	17392280	17392280	+	7.847E-11	6.5024E-10	-0.22204	hypo	sig	chr17_17392280
chr16	57812842	57812842	+	7.856E-11	6.5093E-10	-0.21846	hypo	sig	chr16_57812842
chr5	3596806	3596806	+	7.863E-11	6.5147E-10	0.371822	hyper	sig	chr5_3596806
chr11	66293155	66293155	+	7.865E-11	6.5163E-10	-0.24638	hypo	sig	chr11_66293155
chr7	27239603	27239603	+	7.869E-11	6.52E-10	0.302959	hyper	sig	chr7_27239603
chr10	1.32E+08	131520510	+	7.871E-11	6.5208E-10	-0.21027	hypo	sig	chr10_131520510
chr6	30724207	30724207	+	7.873E-11	6.523E-10	0.216223	hyper	sig	chr6_30724207
chr19	34833552	34833552	+	7.891E-11	6.5375E-10	-0.26922	hypo	sig	chr19_34833552
chr19	5841150	5841150	+	7.896E-11	6.5407E-10	-0.21639	hypo	sig	chr19_5841150
chr8	6835991	6835991	+	7.897E-11	6.5418E-10	0.202983	hyper	sig	chr8_6835991
chr3	62371118	62371118	+	7.901E-11	6.5451E-10	0.285609	hyper	sig	chr3_62371118
chr7	75416108	75416108	+	7.908E-11	6.5505E-10	0.256832	hyper	sig	chr7_75416108
chr12	15221160	15221160	+	7.908E-11	6.5508E-10	0.220263	hyper	sig	chr12_15221160
chr14	1.06E+08	105564644	+	7.909E-11	6.5509E-10	-0.25059	hypo	sig	chr14_105564644
chr1	44238037	44238037	+	7.913E-11	6.5543E-10	0.236783	hyper	sig	chr1_44238037
chr2	2.32E+08	232455895	+	7.926E-11	6.5652E-10	-0.21168	hypo	sig	chr2_232455895
chr8	22392572	22392572	+	7.927E-11	6.5654E-10	0.244376	hyper	sig	chr8_22392572
chr15	45378818	45378818	+	7.937E-11	6.5731E-10	0.213225	hyper	sig	chr15_45378818
chr19	802937	802937	+	7.941E-11	6.5767E-10	0.269659	hyper	sig	chr19_802937
chr12	1.32E+08	132373956	+	7.942E-11	6.577E-10	0.233087	hyper	sig	chr12_132373956
chr15	91915828	91915828	+	7.943E-11	6.5778E-10	-0.21215	hypo	sig	chr15_91915828
chr14	1.01E+08	101365385	+	7.943E-11	6.5782E-10	0.277759	hyper	sig	chr14_101365385
chr10	26437948	26437948	+	7.957E-11	6.5894E-10	-0.23385	hypo	sig	chr10_26437948
chr11	60852124	60852124	+	7.965E-11	6.5953E-10	-0.28097	hypo	sig	chr11_60852124

chr1	1065521	1065521	+	7.966E-11	6.5956E-10	-0.20902	hypo	sig	chr1_1065521
chr1	1.57E+08	156642586	+	7.967E-11	6.5967E-10	0.260783	hyper	sig	chr1_156642586
chr19	56538311	56538311	+	7.969E-11	6.5979E-10	0.221462	hyper	sig	chr19_56538311
chr12	1.32E+08	132431082	+	7.97E-11	6.5987E-10	-0.22547	hypo	sig	chr12_132431082
chr4	1.28E+08	128060097	+	7.972E-11	6.6003E-10	-0.22713	hypo	sig	chr4_128060097
chr9	6716480	6716480	+	7.98E-11	6.6066E-10	-0.20891	hypo	sig	chr9_6716480
chr10	21167073	21167073	+	7.986E-11	6.6115E-10	-0.20016	hypo	sig	chr10_21167073
chr1	53470503	53470503	+	7.988E-11	6.6128E-10	0.211843	hyper	sig	chr1_53470503
chr1	2.35E+08	234723260	+	7.997E-11	6.6201E-10	-0.20459	hypo	sig	chr1_234723260
chr19	56393945	56393945	+	8.005E-11	6.6264E-10	0.236005	hyper	sig	chr19_56393945
chr11	65607752	65607752	+	8.006E-11	6.627E-10	0.20563	hyper	sig	chr11_65607752
chr5	1118562	1118562	+	8.008E-11	6.6289E-10	-0.22127	hypo	sig	chr5_1118562
chr4	7461260	7461260	+	8.008E-11	6.6291E-10	-0.36735	hypo	sig	chr4_7461260
chr20	63319551	63319551	+	8.01E-11	6.6303E-10	-0.24868	hypo	sig	chr20_63319551
chr1	32769723	32769723	+	8.011E-11	6.6312E-10	-0.25424	hypo	sig	chr1_32769723
chr16	87611587	87611587	+	8.025E-11	6.643E-10	-0.20914	hypo	sig	chr16_87611587
chr16	54291232	54291232	+	8.028E-11	6.6446E-10	0.240927	hyper	sig	chr16_54291232
chr20	21520723	21520723	+	8.028E-11	6.6454E-10	0.2535	hyper	sig	chr20_21520723
chr3	1.42E+08	141797744	+	8.036E-11	6.651E-10	0.241218	hyper	sig	chr3_141797744
chr11	66011494	66011494	+	8.037E-11	6.6518E-10	-0.21388	hypo	sig	chr11_66011494
chr19	52492895	52492895	+	8.042E-11	6.6561E-10	0.24065	hyper	sig	chr19_52492895
chr7	97013364	97013364	+	8.047E-11	6.6601E-10	0.203679	hyper	sig	chr7_97013364
chr14	49766979	49766979	+	8.047E-11	6.6603E-10	-0.23185	hypo	sig	chr14_49766979
chr5	1219758	1219758	+	8.048E-11	6.6606E-10	-0.23651	hypo	sig	chr5_1219758
chr15	24773292	24773292	+	8.049E-11	6.6615E-10	0.21554	hyper	sig	chr15_24773292
chr19	4548358	4548358	+	8.05E-11	6.6621E-10	-0.25722	hypo	sig	chr19_4548358
chr14	36509428	36509428	+	8.051E-11	6.663E-10	0.213643	hyper	sig	chr14_36509428
chr11	1.08E+08	107929196	+	8.057E-11	6.6676E-10	0.231735	hyper	sig	chr11_107929196
chr4	11369124	11369124	+	8.058E-11	6.6682E-10	0.263113	hyper	sig	chr4_11369124
chr11	73325094	73325094	+	8.059E-11	6.669E-10	0.221371	hyper	sig	chr11_73325094
chr7	1.4E+08	139523273	+	8.066E-11	6.6746E-10	0.232902	hyper	sig	chr7_139523273
chr5	1.81E+08	180630594	+	8.069E-11	6.6768E-10	-0.21704	hypo	sig	chr5_180630594
chr7	4816198	4816198	+	8.069E-11	6.677E-10	-0.2442	hypo	sig	chr7_4816198
chr20	62984154	62984154	+	8.077E-11	6.6837E-10	-0.20745	hypo	sig	chr20_62984154
chr2	1.53E+08	153478038	+	8.08E-11	6.6856E-10	0.255125	hyper	sig	chr2_153478038
chr1	929693	929693	+	8.083E-11	6.6878E-10	-0.20697	hypo	sig	chr1_929693
chr7	50402061	50402061	+	8.086E-11	6.6905E-10	-0.27332	hypo	sig	chr7_50402061
chr5	1.41E+08	141419392	+	8.095E-11	6.6976E-10	0.209621	hyper	sig	chr5_141419392
chr14	1.01E+08	101060238	+	8.095E-11	6.6981E-10	-0.21375	hypo	sig	chr14_101060238
chr7	1.44E+08	143885418	+	8.096E-11	6.6983E-10	0.249445	hyper	sig	chr7_143885418
chr22	30267005	30267005	+	8.101E-11	6.7026E-10	-0.22985	hypo	sig	chr22_30267005
chr12	1.31E+08	131163270	+	8.101E-11	6.7026E-10	0.215515	hyper	sig	chr12_131163270
chr1	9652841	9652841	+	8.104E-11	6.7047E-10	0.20183	hyper	sig	chr1_9652841
chr12	59085176	59085176	+	8.109E-11	6.709E-10	0.24269	hyper	sig	chr12_59085176
chr5	1.8E+08	179794001	+	8.112E-11	6.7107E-10	0.297405	hyper	sig	chr5_179794001
chr10	1.01E+08	101313584	+	8.116E-11	6.7145E-10	-0.27408	hypo	sig	chr10_101313584
chr18	63321232	63321232	+	8.119E-11	6.7167E-10	-0.23408	hypo	sig	chr18_63321232
chr10	1.33E+08	132838811	+	8.122E-11	6.7193E-10	-0.22669	hypo	sig	chr10_132838811
chr5	76954651	76954651	+	8.125E-11	6.7212E-10	0.274463	hyper	sig	chr5_76954651
chr6	1619235	1619235	+	8.126E-11	6.7219E-10	0.256857	hyper	sig	chr6_1619235
chr16	1764161	1764161	+	8.128E-11	6.7236E-10	0.204336	hyper	sig	chr16_1764161
chr16	1991827	1991827	+	8.128E-11	6.7238E-10	0.228456	hyper	sig	chr16_1991827
chr5	32726083	32726083	+	8.132E-11	6.7273E-10	0.239481	hyper	sig	chr5_32726083
chr5	1748957	1748957	+	8.133E-11	6.7276E-10	-0.2428	hypo	sig	chr5_1748957
chr2	2.42E+08	241843341	+	8.141E-11	6.7343E-10	-0.22139	hypo	sig	chr2_241843341
chr18	12911441	12911441	+	8.149E-11	6.7403E-10	0.220795	hyper	sig	chr18_12911441

chr16	88393162	88393162	+	8.159E-11	6.7482E-10	-0.20045	hypo	sig	chr16_88393162
chr1	1.79E+08	179365096	+	8.162E-11	6.7512E-10	-0.27638	hypo	sig	chr1_179365096
chr3	13283860	13283860	+	8.163E-11	6.7519E-10	0.227065	hyper	sig	chr3_13283860
chr1	1.71E+08	170666883	+	8.169E-11	6.7565E-10	0.298758	hyper	sig	chr1_170666883
chr10	49679607	49679607	+	8.17E-11	6.7572E-10	0.221046	hyper	sig	chr10_49679607
chr16	785882	785882	+	8.176E-11	6.7617E-10	0.203243	hyper	sig	chr16_785882
chr1	74674693	74674693	+	8.177E-11	6.7627E-10	-0.23743	hypo	sig	chr1_74674693
chr22	46661298	46661298	+	8.178E-11	6.7632E-10	-0.25623	hypo	sig	chr22_46661298
chr5	1.41E+08	141408336	+	8.182E-11	6.7662E-10	0.218103	hyper	sig	chr5_141408336
chr2	1138392	1138392	+	8.183E-11	6.7672E-10	-0.22848	hypo	sig	chr2_1138392
chr13	1.13E+08	113147367	+	8.184E-11	6.7682E-10	-0.21488	hypo	sig	chr13_113147367
chr2	20106986	20106986	+	8.187E-11	6.7701E-10	0.224686	hyper	sig	chr2_20106986
chr1	1.55E+08	154544307	+	8.192E-11	6.7742E-10	-0.20744	hypo	sig	chr1_154544307
chr5	1.73E+08	172770203	+	8.194E-11	6.7761E-10	0.209326	hyper	sig	chr5_172770203
chr11	89777130	89777130	+	8.199E-11	6.7796E-10	-0.21591	hypo	sig	chr11_89777130
chr19	53942259	53942259	+	8.199E-11	6.7799E-10	0.270809	hyper	sig	chr19_53942259
chr20	36541042	36541042	+	8.201E-11	6.781E-10	0.297636	hyper	sig	chr20_36541042
chr11	78196274	78196274	+	8.202E-11	6.7822E-10	0.238619	hyper	sig	chr11_78196274
chr12	1.31E+08	131293056	+	8.202E-11	6.7822E-10	-0.24084	hypo	sig	chr12_131293056
chr11	1.14E+08	114059041	+	8.205E-11	6.7842E-10	0.257216	hyper	sig	chr11_114059041
chr7	1.01E+08	100972900	+	8.208E-11	6.7867E-10	0.211329	hyper	sig	chr7_100972900
chr10	71662034	71662034	+	8.216E-11	6.7931E-10	-0.21943	hypo	sig	chr10_71662034
chr12	47756021	47756021	+	8.22E-11	6.7958E-10	-0.28979	hypo	sig	chr12_47756021
chr15	33311759	33311759	+	8.229E-11	6.8034E-10	0.21655	hyper	sig	chr15_33311759
chr13	1.02E+08	102392880	+	8.231E-11	6.8052E-10	-0.25382	hypo	sig	chr13_102392880
chr19	53907801	53907801	+	8.231E-11	6.8052E-10	0.360642	hyper	sig	chr19_53907801
chr3	68785634	68785634	+	8.237E-11	6.8098E-10	-0.22983	hypo	sig	chr3_68785634
chr12	54031159	54031159	+	8.238E-11	6.8107E-10	0.204158	hyper	sig	chr12_54031159
chr4	1.11E+08	110639739	+	8.243E-11	6.8148E-10	0.21222	hyper	sig	chr4_110639739
chr1	27350747	27350747	+	8.25E-11	6.8204E-10	0.223221	hyper	sig	chr1_27350747
chr17	81647869	81647869	+	8.261E-11	6.8286E-10	0.226975	hyper	sig	chr17_81647869
chr13	99997523	99997523	+	8.266E-11	6.8325E-10	0.285549	hyper	sig	chr13_99997523
chr15	80251325	80251325	+	8.267E-11	6.8332E-10	0.208112	hyper	sig	chr15_80251325
chr16	72961207	72961207	+	8.267E-11	6.8337E-10	-0.26766	hypo	sig	chr16_72961207
chr13	1.1E+08	110129202	+	8.269E-11	6.835E-10	-0.23209	hypo	sig	chr13_110129202
chr8	1.43E+08	143013615	+	8.272E-11	6.8372E-10	-0.31854	hypo	sig	chr8_143013615
chr2	1E+08	100409499	+	8.272E-11	6.8377E-10	-0.20196	hypo	sig	chr2_100409499
chr3	1.23E+08	123447880	+	8.273E-11	6.8384E-10	0.23249	hyper	sig	chr3_123447880
chr5	1946076	1946076	+	8.28E-11	6.8436E-10	-0.20918	hypo	sig	chr5_1946076
chr2	862344	862344	+	8.281E-11	6.8444E-10	0.252458	hyper	sig	chr2_862344
chr9	1.37E+08	136656833	+	8.283E-11	6.8461E-10	-0.26043	hypo	sig	chr9_136656833
chr20	45316845	45316845	+	8.284E-11	6.8467E-10	0.359482	hyper	sig	chr20_45316845
chr13	1.12E+08	111900498	+	8.284E-11	6.8469E-10	-0.24305	hypo	sig	chr13_111900498
chr10	1.33E+08	133045331	+	8.286E-11	6.848E-10	-0.21348	hypo	sig	chr10_133045331
chr1	2.03E+08	202642374	+	8.292E-11	6.8529E-10	0.298854	hyper	sig	chr1_202642374
chr18	76785649	76785649	+	8.294E-11	6.8544E-10	-0.2046	hypo	sig	chr18_76785649
chr4	37245964	37245964	+	8.294E-11	6.8544E-10	0.299775	hyper	sig	chr4_37245964
chr21	45258609	45258609	+	8.295E-11	6.855E-10	-0.22501	hypo	sig	chr21_45258609
chr19	35142574	35142574	+	8.299E-11	6.8583E-10	-0.27933	hypo	sig	chr19_35142574
chr3	13637389	13637389	+	8.302E-11	6.8609E-10	-0.26824	hypo	sig	chr3_13637389
chr15	67064140	67064140	+	8.302E-11	6.861E-10	-0.25969	hypo	sig	chr15_67064140
chr11	67675226	67675226	+	8.311E-11	6.8683E-10	-0.20902	hypo	sig	chr11_67675226
chr20	36155253	36155253	+	8.312E-11	6.8684E-10	0.257499	hyper	sig	chr20_36155253
chr16	49599051	49599051	+	8.318E-11	6.8734E-10	-0.22081	hypo	sig	chr16_49599051
chr15	24101821	24101821	+	8.321E-11	6.8761E-10	0.209328	hyper	sig	chr15_24101821
chr19	55452495	55452495	+	8.325E-11	6.879E-10	0.278546	hyper	sig	chr19_55452495

chr5	1.46E+08	146334098	+	8.329E-11	6.8819E-10	0.220079	hyper	sig	chr5_146334098
chr21	44334154	44334154	+	8.331E-11	6.8839E-10	0.203036	hyper	sig	chr21_44334154
chr10	25934103	25934103	+	8.337E-11	6.8887E-10	0.268329	hyper	sig	chr10_25934103
chr17	76538462	76538462	+	8.348E-11	6.8971E-10	0.265695	hyper	sig	chr17_76538462
chr14	55440742	55440742	+	8.348E-11	6.8975E-10	0.253931	hyper	sig	chr14_55440742
chr3	62318632	62318632	+	8.352E-11	6.8999E-10	0.210809	hyper	sig	chr3_62318632
chr2	2.39E+08	239285956	+	8.353E-11	6.9006E-10	-0.22892	hypo	sig	chr2_239285956
chr2	1.32E+08	131830097	+	8.355E-11	6.9028E-10	0.25478	hyper	sig	chr2_131830097
chr17	1080282	1080282	+	8.358E-11	6.9046E-10	-0.24808	hypo	sig	chr17_1080282
chr19	49061734	49061734	+	8.36E-11	6.906E-10	-0.23226	hypo	sig	chr19_49061734
chr17	79137886	79137886	+	8.362E-11	6.9078E-10	0.205671	hyper	sig	chr17_79137886
chr19	3179981	3179981	+	8.362E-11	6.908E-10	-0.21859	hypo	sig	chr19_3179981
chr15	98418127	98418127	+	8.367E-11	6.9113E-10	-0.2411	hypo	sig	chr15_98418127
chr3	1.2E+08	119810161	+	8.367E-11	6.9116E-10	0.25296	hyper	sig	chr3_119810161
chr11	68399562	68399562	+	8.371E-11	6.9148E-10	0.206313	hyper	sig	chr11_68399562
chr7	1596779	1596779	+	8.376E-11	6.919E-10	-0.21986	hypo	sig	chr7_1596779
chr14	36666714	36666714	+	8.377E-11	6.9191E-10	0.242997	hyper	sig	chr14_36666714
chr1	1.51E+08	151145796	+	8.383E-11	6.9239E-10	0.204411	hyper	sig	chr1_151145796
chr6	1.66E+08	166451755	+	8.383E-11	6.9241E-10	-0.2555	hypo	sig	chr6_166451755
chr16	54294620	54294620	+	8.39E-11	6.9298E-10	-0.24212	hypo	sig	chr16_54294620
chr7	218244	218244	+	8.393E-11	6.9321E-10	-0.20328	hypo	sig	chr7_218244
chr10	1.34E+08	133529734	+	8.4E-11	6.9377E-10	0.230175	hyper	sig	chr10_133529734
chr17	2309972	2309972	+	8.403E-11	6.9401E-10	0.235422	hyper	sig	chr17_2309972
chr2	2.41E+08	240623072	+	8.406E-11	6.942E-10	-0.20823	hypo	sig	chr2_240623072
chr12	1865002	1865002	+	8.414E-11	6.9484E-10	0.223992	hyper	sig	chr12_1865002
chr19	54338420	54338420	+	8.419E-11	6.9523E-10	-0.24897	hypo	sig	chr19_54338420
chr6	13860447	13860447	+	8.42E-11	6.9535E-10	0.293146	hyper	sig	chr6_13860447
chr10	1.01E+08	100738640	+	8.427E-11	6.9589E-10	0.214004	hyper	sig	chr10_100738640
chr1	3091469	3091469	+	8.429E-11	6.9602E-10	-0.2112	hypo	sig	chr1_3091469
chr11	67606398	67606398	+	8.442E-11	6.9705E-10	0.216133	hyper	sig	chr11_67606398
chr19	58118841	58118841	+	8.442E-11	6.9705E-10	0.251923	hyper	sig	chr19_58118841
chr11	30586320	30586320	+	8.443E-11	6.9714E-10	0.223602	hyper	sig	chr11_30586320
chr11	1.3E+08	130189739	+	8.444E-11	6.972E-10	-0.20966	hypo	sig	chr11_130189739
chr5	1207159	1207159	+	8.444E-11	6.9725E-10	-0.26688	hypo	sig	chr5_1207159
chr17	11241911	11241911	+	8.449E-11	6.9763E-10	0.208136	hyper	sig	chr17_11241911
chr11	12008191	12008191	+	8.45E-11	6.9769E-10	0.210963	hyper	sig	chr11_12008191
chr6	1E+08	100469040	+	8.45E-11	6.9771E-10	0.202334	hyper	sig	chr6_100469040
chr20	50637015	50637015	+	8.453E-11	6.9791E-10	0.202928	hyper	sig	chr20_50637015
chr5	1.79E+08	179060679	+	8.453E-11	6.9792E-10	0.218799	hyper	sig	chr5_179060679
chr19	12597078	12597078	+	8.458E-11	6.9834E-10	0.2262	hyper	sig	chr19_12597078
chr2	2.19E+08	219331808	+	8.471E-11	6.9939E-10	0.217647	hyper	sig	chr2_219331808
chr2	2.41E+08	240876765	+	8.472E-11	6.9945E-10	-0.2706	hypo	sig	chr2_240876765
chr6	77467103	77467103	+	8.478E-11	6.9995E-10	0.225081	hyper	sig	chr6_77467103
chr16	65124146	65124146	+	8.482E-11	7.0027E-10	0.239079	hyper	sig	chr16_65124146
chr6	36285380	36285380	+	8.484E-11	7.0038E-10	0.200511	hyper	sig	chr6_36285380
chr17	42797737	42797737	+	8.486E-11	7.0056E-10	-0.2218	hypo	sig	chr17_42797737
chr6	28514414	28514414	+	8.491E-11	7.0094E-10	-0.26408	hypo	sig	chr6_28514414
chr9	95041785	95041785	+	8.495E-11	7.0122E-10	-0.23503	hypo	sig	chr9_95041785
chr11	6319089	6319089	+	8.495E-11	7.0124E-10	0.249552	hyper	sig	chr11_6319089
chr16	29662792	29662792	+	8.5E-11	7.0161E-10	-0.2483	hypo	sig	chr16_29662792
chr1	27635235	27635235	+	8.51E-11	7.0246E-10	-0.23178	hypo	sig	chr1_27635235
chr10	1.23E+08	123145564	+	8.511E-11	7.0246E-10	0.208844	hyper	sig	chr10_123145564
chr6	1.66E+08	165819598	+	8.514E-11	7.0273E-10	0.218358	hyper	sig	chr6_165819598
chr1	92481113	92481113	+	8.522E-11	7.0338E-10	0.208319	hyper	sig	chr1_92481113
chr8	23071011	23071011	+	8.523E-11	7.0349E-10	0.210701	hyper	sig	chr8_23071011
chr19	53907803	53907803	+	8.524E-11	7.0355E-10	0.362262	hyper	sig	chr19_53907803

chr1	37930658	37930658	+	8.526E-11	7.0372E-10	-0.25761	hypo	sig	chr1_37930658
chr5	1.77E+08	176661496	+	8.529E-11	7.0392E-10	-0.21673	hypo	sig	chr5_176661496
chr3	40615729	40615729	+	8.529E-11	7.0394E-10	0.239095	hyper	sig	chr3_40615729
chr8	1.45E+08	144713720	+	8.529E-11	7.0394E-10	0.339158	hyper	sig	chr8_144713720
chr10	1.03E+08	102647051	+	8.53E-11	7.0399E-10	0.238532	hyper	sig	chr10_102647051
chr4	56681181	56681181	+	8.532E-11	7.0411E-10	-0.21201	hypo	sig	chr4_56681181
chr16	29785241	29785241	+	8.544E-11	7.051E-10	0.218997	hyper	sig	chr16_29785241
chr7	1.58E+08	158398363	+	8.551E-11	7.0564E-10	-0.20402	hypo	sig	chr7_158398363
chr20	64099410	64099410	+	8.554E-11	7.059E-10	-0.23781	hypo	sig	chr20_64099410
chr19	39313715	39313715	+	8.564E-11	7.0675E-10	-0.23407	hypo	sig	chr19_39313715
chr6	33165761	33165761	+	8.572E-11	7.0735E-10	-0.21499	hypo	sig	chr6_33165761
chr17	75640073	75640073	+	8.578E-11	7.0787E-10	-0.21569	hypo	sig	chr17_75640073
chr2	2.38E+08	237886217	+	8.58E-11	7.0796E-10	0.244901	hyper	sig	chr2_237886217
chr14	1.04E+08	103718883	+	8.602E-11	7.0976E-10	0.276929	hyper	sig	chr14_103718883
chr1	71046473	71046473	+	8.608E-11	7.1023E-10	0.235352	hyper	sig	chr1_71046473
chr19	1496614	1496614	+	8.609E-11	7.1029E-10	-0.26889	hypo	sig	chr19_1496614
chr6	27495581	27495581	+	8.612E-11	7.1051E-10	0.204499	hyper	sig	chr6_27495581
chr2	74130455	74130455	+	8.615E-11	7.1079E-10	0.279557	hyper	sig	chr2_74130455
chr13	19564932	19564932	+	8.615E-11	7.1079E-10	0.202865	hyper	sig	chr13_19564932
chr7	27249451	27249451	+	8.622E-11	7.1131E-10	0.258769	hyper	sig	chr7_27249451
chr3	1.29E+08	128568187	+	8.623E-11	7.1137E-10	-0.23203	hypo	sig	chr3_128568187
chr10	43790351	43790351	+	8.624E-11	7.1142E-10	-0.28807	hypo	sig	chr10_43790351
chr11	59898801	59898801	+	8.631E-11	7.1203E-10	-0.20947	hypo	sig	chr11_59898801
chr12	1.32E+08	132431254	+	8.637E-11	7.1249E-10	-0.24133	hypo	sig	chr12_132431254
chr6	1625232	1625232	+	8.648E-11	7.1334E-10	0.203165	hyper	sig	chr6_1625232
chr8	1523971	1523971	+	8.651E-11	7.1358E-10	-0.20305	hypo	sig	chr8_1523971
chr1	1.12E+08	111737611	+	8.659E-11	7.1424E-10	0.220697	hyper	sig	chr1_111737611
chr4	578725	578725	+	8.659E-11	7.143E-10	0.22223	hyper	sig	chr4_578725
chr1	99263948	99263948	+	8.661E-11	7.1439E-10	-0.20831	hypo	sig	chr1_99263948
chr11	66316639	66316639	+	8.665E-11	7.1474E-10	0.278172	hyper	sig	chr11_66316639
chr17	28717324	28717324	+	8.671E-11	7.1517E-10	0.220984	hyper	sig	chr17_28717324
chr3	1.58E+08	158102724	+	8.673E-11	7.1532E-10	0.294043	hyper	sig	chr3_158102724
chr14	60650019	60650019	+	8.678E-11	7.1576E-10	0.264708	hyper	sig	chr14_60650019
chr16	30650180	30650180	+	8.683E-11	7.1614E-10	0.251587	hyper	sig	chr16_30650180
chr3	1.39E+08	138939775	+	8.683E-11	7.1614E-10	0.210475	hyper	sig	chr3_138939775
chr7	44104864	44104864	+	8.684E-11	7.1621E-10	0.217223	hyper	sig	chr7_44104864
chr10	1.01E+08	101284487	+	8.686E-11	7.1636E-10	0.234738	hyper	sig	chr10_101284487
chr11	2925276	2925276	+	8.687E-11	7.1647E-10	-0.23184	hypo	sig	chr11_2925276
chr12	1.25E+08	124532637	+	8.689E-11	7.1664E-10	0.241666	hyper	sig	chr12_124532637
chr8	55449472	55449472	+	8.699E-11	7.174E-10	-0.20784	hypo	sig	chr8_55449472
chr2	1.19E+08	118842029	+	8.702E-11	7.1763E-10	0.243098	hyper	sig	chr2_118842029
chr14	28774079	28774079	+	8.708E-11	7.181E-10	0.249025	hyper	sig	chr14_28774079
chr8	70035037	70035037	+	8.709E-11	7.1824E-10	0.301752	hyper	sig	chr8_70035037
chr11	2527678	2527678	+	8.71E-11	7.183E-10	-0.20528	hypo	sig	chr11_2527678
chr11	8168876	8168876	+	8.718E-11	7.189E-10	0.243911	hyper	sig	chr11_8168876
chr16	69942137	69942137	+	8.72E-11	7.1899E-10	0.211791	hyper	sig	chr16_69942137
chr16	1543863	1543863	+	8.721E-11	7.1914E-10	-0.25734	hypo	sig	chr16_1543863
chr16	56992117	56992117	+	8.722E-11	7.192E-10	-0.265	hypo	sig	chr16_56992117
chr19	15224010	15224010	+	8.73E-11	7.1979E-10	0.247996	hyper	sig	chr19_15224010
chr11	1672828	1672828	+	8.735E-11	7.2018E-10	-0.2091	hypo	sig	chr11_1672828
chr12	643979	643979	+	8.736E-11	7.2029E-10	-0.21338	hypo	sig	chr12_643979
chr14	56795520	56795520	+	8.738E-11	7.204E-10	0.271084	hyper	sig	chr14_56795520
chr6	70958326	70958326	+	8.743E-11	7.2079E-10	-0.24047	hypo	sig	chr6_70958326
chr3	1.26E+08	126416125	+	8.745E-11	7.2096E-10	-0.23623	hypo	sig	chr3_126416125
chr17	77255005	77255005	+	8.748E-11	7.2121E-10	-0.20111	hypo	sig	chr17_77255005
chr9	1.37E+08	137174389	+	8.752E-11	7.2155E-10	-0.2023	hypo	sig	chr9_137174389

chr17	80152923	80152923	+	8.754E-11	7.2172E-10	-0.22606	hypo	sig	chr17_80152923
chr11	1.25E+08	124864518	+	8.758E-11	7.22E-10	0.262756	hyper	sig	chr11_124864518
chr19	345295	345295	+	8.763E-11	7.2237E-10	0.213288	hyper	sig	chr19_345295
chr3	1.2E+08	119810109	+	8.765E-11	7.2251E-10	0.290126	hyper	sig	chr3_119810109
chr2	1.01E+08	101306428	+	8.767E-11	7.2267E-10	-0.20577	hypo	sig	chr2_101306428
chr5	1.41E+08	141123237	+	8.769E-11	7.2288E-10	0.274926	hyper	sig	chr5_141123237
chr8	1.45E+08	144567382	+	8.776E-11	7.2337E-10	0.206776	hyper	sig	chr8_144567382
chr7	4862154	4862154	+	8.776E-11	7.2338E-10	0.217528	hyper	sig	chr7_4862154
chr13	1.13E+08	112973160	+	8.777E-11	7.2348E-10	-0.25362	hypo	sig	chr13_112973160
chr14	99792852	99792852	+	8.783E-11	7.2396E-10	0.230692	hyper	sig	chr14_99792852
chr17	1787581	1787581	+	8.792E-11	7.2471E-10	-0.24942	hypo	sig	chr17_1787581
chr7	1073376	1073376	+	8.794E-11	7.2479E-10	0.245985	hyper	sig	chr7_1073376
chr13	1.12E+08	112071589	+	8.795E-11	7.2487E-10	0.231315	hyper	sig	chr13_112071589
chr6	30646645	30646645	+	8.801E-11	7.2541E-10	0.276028	hyper	sig	chr6_30646645
chr10	1.17E+08	117132702	+	8.803E-11	7.2549E-10	0.23234	hyper	sig	chr10_117132702
chr19	1722728	1722728	+	8.803E-11	7.2555E-10	-0.30531	hypo	sig	chr19_1722728
chr11	78669693	78669693	+	8.809E-11	7.2599E-10	-0.21557	hypo	sig	chr11_78669693
chr6	30171950	30171950	+	8.81E-11	7.2606E-10	0.214356	hyper	sig	chr6_30171950
chr16	85129800	85129800	+	8.811E-11	7.2616E-10	-0.24584	hypo	sig	chr16_85129800
chr8	8772861	8772861	+	8.817E-11	7.2662E-10	-0.30489	hypo	sig	chr8_8772861
chr7	1348976	1348976	+	8.822E-11	7.2698E-10	-0.22044	hypo	sig	chr7_1348976
chr15	96368759	96368759	+	8.825E-11	7.2721E-10	0.23056	hyper	sig	chr15_96368759
chr12	1.25E+08	124543704	+	8.827E-11	7.2739E-10	0.309712	hyper	sig	chr12_124543704
chr13	1.12E+08	111966038	+	8.834E-11	7.279E-10	-0.22438	hypo	sig	chr13_111966038
chr7	27098479	27098479	+	8.836E-11	7.2812E-10	0.224208	hyper	sig	chr7_27098479
chr4	993386	993386	+	8.837E-11	7.2815E-10	-0.23082	hypo	sig	chr4_993386
chr9	1.11E+08	110579748	+	8.848E-11	7.2903E-10	0.243023	hyper	sig	chr9_110579748
chr3	1.28E+08	128492761	+	8.857E-11	7.2976E-10	0.243447	hyper	sig	chr3_128492761
chr5	1.8E+08	179648661	+	8.864E-11	7.3029E-10	-0.37198	hypo	sig	chr5_179648661
chr7	1819453	1819453	+	8.868E-11	7.3063E-10	-0.20968	hypo	sig	chr7_1819453
chr1	16765860	16765860	+	8.879E-11	7.315E-10	0.211867	hyper	sig	chr1_16765860
chr17	81023572	81023572	+	8.887E-11	7.3208E-10	-0.20966	hypo	sig	chr17_81023572
chr13	1.1E+08	110311845	+	8.888E-11	7.3221E-10	0.252578	hyper	sig	chr13_110311845
chr12	213722	213722	+	8.89E-11	7.3233E-10	-0.22372	hypo	sig	chr12_213722
chr14	85529447	85529447	+	8.891E-11	7.3243E-10	0.225745	hyper	sig	chr14_85529447
chr13	1.12E+08	111972490	+	8.897E-11	7.3291E-10	0.269136	hyper	sig	chr13_111972490
chr13	52405628	52405628	+	8.898E-11	7.3295E-10	0.207479	hyper	sig	chr13_52405628
chr13	1.14E+08	114198220	+	8.904E-11	7.3346E-10	-0.29673	hypo	sig	chr13_114198220
chr12	50033082	50033082	+	8.906E-11	7.3363E-10	0.270907	hyper	sig	chr12_50033082
chr4	13539800	13539800	+	8.907E-11	7.3367E-10	0.216248	hyper	sig	chr4_13539800
chr2	1.98E+08	197786562	+	8.908E-11	7.3372E-10	0.222336	hyper	sig	chr2_197786562
chr8	41834249	41834249	+	8.92E-11	7.3468E-10	-0.24197	hypo	sig	chr8_41834249
chr14	36506180	36506180	+	8.925E-11	7.351E-10	0.238157	hyper	sig	chr14_36506180
chr11	2135226	2135226	+	8.929E-11	7.3539E-10	-0.20832	hypo	sig	chr11_2135226
chr2	63048745	63048745	+	8.933E-11	7.3573E-10	0.204653	hyper	sig	chr2_63048745
chr1	7784835	7784835	+	8.935E-11	7.3588E-10	0.244775	hyper	sig	chr1_7784835
chr7	1.57E+08	156607992	+	8.943E-11	7.3649E-10	0.264917	hyper	sig	chr7_156607992
chr13	1.12E+08	112326139	+	8.944E-11	7.3658E-10	0.288379	hyper	sig	chr13_112326139
chr19	310556	310556	+	8.948E-11	7.3685E-10	0.239533	hyper	sig	chr19_310556
chr14	96595190	96595190	+	8.949E-11	7.3699E-10	-0.24858	hypo	sig	chr14_96595190
chr13	99988677	99988677	+	8.951E-11	7.371E-10	0.224897	hyper	sig	chr13_99988677
chr12	1.31E+08	131494589	+	8.956E-11	7.3749E-10	-0.21486	hypo	sig	chr12_131494589
chr10	1.05E+08	104642810	+	8.957E-11	7.3757E-10	0.212255	hyper	sig	chr10_104642810
chr4	3683029	3683029	+	8.96E-11	7.3783E-10	-0.2466	hypo	sig	chr4_3683029
chr16	88793536	88793536	+	8.964E-11	7.3814E-10	-0.24959	hypo	sig	chr16_88793536
chr8	1.41E+08	141412693	+	8.966E-11	7.3827E-10	0.248297	hyper	sig	chr8_141412693

chr19	45952916	45952916	+	8.967E-11	7.3831E-10	0.256302	hyper	sig	chr19_45952916
chr19	18697129	18697129	+	8.97E-11	7.3861E-10	-0.21973	hypo	sig	chr19_18697129
chr3	52779636	52779636	+	8.972E-11	7.3873E-10	-0.25635	hypo	sig	chr3_52779636
chr6	1.68E+08	168411376	+	8.978E-11	7.3921E-10	-0.21524	hypo	sig	chr6_168411376
chr2	1.81E+08	181458065	+	8.98E-11	7.3935E-10	0.222685	hyper	sig	chr2_181458065
chr11	1.19E+08	119423995	+	8.98E-11	7.3939E-10	-0.2202	hypo	sig	chr11_119423995
chr22	29480581	29480581	+	8.991E-11	7.4021E-10	0.277564	hyper	sig	chr22_29480581
chr1	18631516	18631516	+	8.998E-11	7.4076E-10	0.224675	hyper	sig	chr1_18631516
chr8	1.45E+08	144712692	+	9.001E-11	7.4107E-10	-0.20038	hypo	sig	chr8_144712692
chr12	1.3E+08	130468442	+	9.003E-11	7.4118E-10	-0.20039	hypo	sig	chr12_130468442
chr10	1.31E+08	131089514	+	9.004E-11	7.4124E-10	-0.22141	hypo	sig	chr10_131089514
chr5	1.75E+08	175445329	+	9.006E-11	7.4141E-10	0.248421	hyper	sig	chr5_175445329
chr7	4215178	4215178	+	9.007E-11	7.4148E-10	-0.20962	hypo	sig	chr7_4215178
chr1	3227080	3227080	+	9.009E-11	7.4165E-10	0.243957	hyper	sig	chr1_3227080
chr6	32096541	32096541	+	9.012E-11	7.419E-10	0.210779	hyper	sig	chr6_32096541
chr18	13826523	13826523	+	9.019E-11	7.424E-10	-0.23311	hypo	sig	chr18_13826523
chr19	20665725	20665725	+	9.02E-11	7.4249E-10	0.224523	hyper	sig	chr19_20665725
chr1	77281648	77281648	+	9.022E-11	7.4262E-10	0.206743	hyper	sig	chr1_77281648
chr8	1.42E+08	141643989	+	9.027E-11	7.4305E-10	-0.21487	hypo	sig	chr8_141643989
chr19	58397121	58397121	+	9.028E-11	7.4308E-10	0.237298	hyper	sig	chr19_58397121
chr9	1.28E+08	127762623	+	9.03E-11	7.4328E-10	-0.24648	hypo	sig	chr9_127762623
chr2	1.71E+08	170815089	+	9.033E-11	7.4351E-10	0.219227	hyper	sig	chr2_170815089
chr22	50578553	50578553	+	9.036E-11	7.4377E-10	0.232415	hyper	sig	chr22_50578553
chr1	24109072	24109072	+	9.045E-11	7.4447E-10	-0.27376	hypo	sig	chr1_24109072
chr12	53973191	53973191	+	9.046E-11	7.4449E-10	0.237608	hyper	sig	chr12_53973191
chr5	77211898	77211898	+	9.048E-11	7.447E-10	0.215987	hyper	sig	chr5_77211898
chr8	9552344	9552344	+	9.059E-11	7.4556E-10	-0.21555	hypo	sig	chr8_9552344
chr6	1.18E+08	117548262	+	9.063E-11	7.4589E-10	0.223101	hyper	sig	chr6_117548262
chr7	1.58E+08	158295178	+	9.066E-11	7.4611E-10	-0.27031	hypo	sig	chr7_158295178
chr10	1.05E+08	104643141	+	9.075E-11	7.4686E-10	0.211483	hyper	sig	chr10_104643141
chr16	89608208	89608208	+	9.076E-11	7.4686E-10	-0.25237	hypo	sig	chr16_89608208
chr19	19549841	19549841	+	9.078E-11	7.4707E-10	-0.30821	hypo	sig	chr19_19549841
chr14	37622619	37622619	+	9.086E-11	7.4766E-10	0.2497	hyper	sig	chr14_37622619
chr14	1.06E+08	105769873	+	9.089E-11	7.4786E-10	-0.21624	hypo	sig	chr14_105769873
chr15	88255096	88255096	+	9.095E-11	7.4839E-10	0.226077	hyper	sig	chr15_88255096
chr5	1.71E+08	171308750	+	9.105E-11	7.4914E-10	0.232349	hyper	sig	chr5_171308750
chr8	1061616	1061616	+	9.105E-11	7.4918E-10	-0.27791	hypo	sig	chr8_1061616
chr3	49901394	49901394	+	9.106E-11	7.4919E-10	-0.24155	hypo	sig	chr3_49901394
chr10	1.33E+08	132797405	+	9.106E-11	7.4921E-10	-0.25691	hypo	sig	chr10_132797405
chr3	1.85E+08	184696167	+	9.112E-11	7.4967E-10	-0.22038	hypo	sig	chr3_184696167
chr4	37243632	37243632	+	9.114E-11	7.4984E-10	0.208917	hyper	sig	chr4_37243632
chr11	1.3E+08	129621021	+	9.133E-11	7.5133E-10	0.210951	hyper	sig	chr11_129621021
chr6	28259591	28259591	+	9.135E-11	7.5149E-10	0.233188	hyper	sig	chr6_28259591
chr16	29664578	29664578	+	9.136E-11	7.5156E-10	-0.27439	hypo	sig	chr16_29664578
chr13	51066828	51066828	+	9.136E-11	7.5157E-10	-0.21706	hypo	sig	chr13_51066828
chr1	32704114	32704114	+	9.136E-11	7.5162E-10	0.231742	hyper	sig	chr1_32704114
chr11	1932445	1932445	+	9.142E-11	7.5206E-10	-0.28248	hypo	sig	chr11_1932445
chr19	49210366	49210366	+	9.145E-11	7.5229E-10	0.338453	hyper	sig	chr19_49210366
chr3	1.29E+08	129001341	+	9.146E-11	7.5232E-10	0.259782	hyper	sig	chr3_129001341
chr19	2546984	2546984	+	9.146E-11	7.5233E-10	-0.20433	hypo	sig	chr19_2546984
chr2	28981334	28981334	+	9.147E-11	7.5245E-10	0.217207	hyper	sig	chr2_28981334
chr9	1.37E+08	137293567	+	9.155E-11	7.5304E-10	-0.23522	hypo	sig	chr9_137293567
chr3	62319143	62319143	+	9.156E-11	7.5312E-10	0.209542	hyper	sig	chr3_62319143
chr5	1.74E+08	174311834	+	9.163E-11	7.5365E-10	0.200752	hyper	sig	chr5_174311834
chr6	41100839	41100839	+	9.169E-11	7.5413E-10	0.228549	hyper	sig	chr6_41100839
chr19	2428679	2428679	+	9.171E-11	7.5431E-10	0.200948	hyper	sig	chr19_2428679

chr1	53560898	53560898	+	9.172E-11	7.5437E-10	-0.27795	hypo	sig	chr1_53560898
chr1	1.78E+08	178037420	+	9.183E-11	7.5522E-10	-0.28132	hypo	sig	chr1_178037420
chr19	6475919	6475919	+	9.183E-11	7.5522E-10	0.21146	hyper	sig	chr19_6475919
chr22	18634923	18634923	+	9.183E-11	7.5524E-10	0.281251	hyper	sig	chr22_18634923
chr22	32804298	32804298	+	9.183E-11	7.5524E-10	0.220728	hyper	sig	chr22_32804298
chr14	28765735	28765735	+	9.185E-11	7.5537E-10	0.209331	hyper	sig	chr14_28765735
chr13	99971688	99971688	+	9.191E-11	7.5588E-10	0.217952	hyper	sig	chr13_99971688
chr22	16610308	16610308	+	9.193E-11	7.5598E-10	0.248702	hyper	sig	chr22_16610308
chr10	1.01E+08	101007612	+	9.194E-11	7.5605E-10	0.266585	hyper	sig	chr10_101007612
chr7	73377418	73377418	+	9.195E-11	7.5616E-10	0.255353	hyper	sig	chr7_73377418
chr10	23190481	23190481	+	9.196E-11	7.5625E-10	0.243835	hyper	sig	chr10_23190481
chr8	1389981	1389981	+	9.201E-11	7.566E-10	0.216858	hyper	sig	chr8_1389981
chr6	31577565	31577565	+	9.206E-11	7.5702E-10	-0.21539	hypo	sig	chr6_31577565
chr20	1947331	1947331	+	9.21E-11	7.5733E-10	0.205393	hyper	sig	chr20_1947331
chr13	1.13E+08	113141802	+	9.213E-11	7.5751E-10	-0.24163	hypo	sig	chr13_113141802
chr9	1.27E+08	126625603	+	9.213E-11	7.5757E-10	0.208418	hyper	sig	chr9_126625603
chr4	83113310	83113310	+	9.214E-11	7.5758E-10	-0.26306	hypo	sig	chr4_83113310
chr12	52948097	52948097	+	9.219E-11	7.5802E-10	-0.24346	hypo	sig	chr12_52948097
chr1	2.42E+08	242057535	+	9.22E-11	7.5807E-10	-0.27025	hypo	sig	chr1_242057535
chr2	1.21E+08	120863940	+	9.22E-11	7.5811E-10	-0.29805	hypo	sig	chr2_120863940
chr19	2513268	2513268	+	9.221E-11	7.5812E-10	-0.27598	hypo	sig	chr19_2513268
chr8	1.08E+08	108131533	+	9.227E-11	7.5862E-10	-0.26854	hypo	sig	chr8_108131533
chr8	55102550	55102550	+	9.232E-11	7.5902E-10	0.230255	hyper	sig	chr8_55102550
chr4	1.08E+08	107997283	+	9.235E-11	7.5921E-10	0.239014	hyper	sig	chr4_107997283
chr1	1.57E+08	156676519	+	9.236E-11	7.5929E-10	0.201996	hyper	sig	chr1_156676519
chr7	1.57E+08	157044082	+	9.246E-11	7.6014E-10	-0.25918	hypo	sig	chr7_157044082
chr1	2206226	2206226	+	9.25E-11	7.6043E-10	-0.20553	hypo	sig	chr1_2206226
chr9	1.36E+08	136201205	+	9.254E-11	7.6071E-10	0.216808	hyper	sig	chr9_136201205
chr9	1.19E+08	119369164	+	9.259E-11	7.611E-10	0.298391	hyper	sig	chr9_119369164
chr3	1.54E+08	154122498	+	9.272E-11	7.6215E-10	0.232655	hyper	sig	chr3_154122498
chr19	22832399	22832399	+	9.284E-11	7.6309E-10	0.210476	hyper	sig	chr19_22832399
chr3	1.17E+08	116796436	+	9.284E-11	7.6309E-10	-0.26426	hypo	sig	chr3_116796436
chr9	1.37E+08	136986039	+	9.285E-11	7.6315E-10	0.260906	hyper	sig	chr9_136986039
chr17	14304546	14304546	+	9.291E-11	7.6364E-10	0.204736	hyper	sig	chr17_14304546
chr16	68745081	68745081	+	9.292E-11	7.637E-10	-0.23526	hypo	sig	chr16_68745081
chr5	1.41E+08	141177632	+	9.293E-11	7.6383E-10	0.216237	hyper	sig	chr5_141177632
chr9	1.3E+08	130181725	+	9.294E-11	7.6384E-10	-0.22377	hypo	sig	chr9_130181725
chr1	2.28E+08	228104002	+	9.295E-11	7.6395E-10	0.219695	hyper	sig	chr1_228104002
chr16	88102088	88102088	+	9.297E-11	7.6406E-10	0.255915	hyper	sig	chr16_88102088
chr11	30016225	30016225	+	9.297E-11	7.6409E-10	0.271209	hyper	sig	chr11_30016225
chr22	19754919	19754919	+	9.308E-11	7.6497E-10	0.202562	hyper	sig	chr22_19754919
chr1	54781600	54781600	+	9.314E-11	7.654E-10	0.278604	hyper	sig	chr1_54781600
chr14	1.04E+08	103696739	+	9.317E-11	7.6568E-10	0.245904	hyper	sig	chr14_103696739
chr7	946003	946003	+	9.324E-11	7.6617E-10	-0.21394	hypo	sig	chr7_946003
chr16	268874	268874	+	9.328E-11	7.6651E-10	-0.22327	hypo	sig	chr16_268874
chr16	89834368	89834368	+	9.33E-11	7.6663E-10	-0.2701	hypo	sig	chr16_89834368
chr5	3606473	3606473	+	9.33E-11	7.6665E-10	0.228921	hyper	sig	chr5_3606473
chr19	48729285	48729285	+	9.333E-11	7.6687E-10	0.296631	hyper	sig	chr19_48729285
chr17	78453395	78453395	+	9.335E-11	7.6704E-10	-0.2703	hypo	sig	chr17_78453395
chr15	37093640	37093640	+	9.341E-11	7.6747E-10	0.269347	hyper	sig	chr15_37093640
chr3	1.3E+08	129556790	+	9.348E-11	7.6802E-10	-0.24343	hypo	sig	chr3_129556790
chr1	2.36E+08	236064126	+	9.351E-11	7.683E-10	0.203257	hyper	sig	chr1_236064126
chr9	1.37E+08	137278889	+	9.364E-11	7.6933E-10	0.264707	hyper	sig	chr9_137278889
chr13	70924276	70924276	+	9.366E-11	7.6944E-10	-0.22996	hypo	sig	chr13_70924276
chr18	37274319	37274319	+	9.369E-11	7.6966E-10	0.232655	hyper	sig	chr18_37274319
chr7	1.3E+08	130373776	+	9.376E-11	7.7028E-10	0.23847	hyper	sig	chr7_130373776

chr13	1.12E+08	112240295	+	9.381E-11	7.7068E-10	-0.26563	hypo	sig	chr13_112240295
chr19	9498746	9498746	+	9.381E-11	7.7069E-10	0.243462	hyper	sig	chr19_9498746
chr3	13447423	13447423	+	9.383E-11	7.7082E-10	0.241931	hyper	sig	chr3_13447423
chr6	33193661	33193661	+	9.384E-11	7.7084E-10	0.248986	hyper	sig	chr6_33193661
chr14	60507683	60507683	+	9.386E-11	7.7102E-10	0.201924	hyper	sig	chr14_60507683
chr2	2.19E+08	218984467	+	9.39E-11	7.7134E-10	0.201026	hyper	sig	chr2_218984467
chr1	1.98E+08	197910590	+	9.392E-11	7.715E-10	0.267916	hyper	sig	chr1_197910590
chr20	10219488	10219488	+	9.395E-11	7.7171E-10	0.213574	hyper	sig	chr20_10219488
chr22	20295850	20295850	+	9.397E-11	7.7194E-10	-0.20129	hypo	sig	chr22_20295850
chr9	1.28E+08	127755547	+	9.403E-11	7.7236E-10	0.219017	hyper	sig	chr9_127755547
chr19	3369480	3369480	+	9.41E-11	7.7293E-10	0.269635	hyper	sig	chr19_3369480
chr2	2.41E+08	240893540	+	9.412E-11	7.7308E-10	-0.20895	hypo	sig	chr2_240893540
chr3	1.13E+08	113441552	+	9.417E-11	7.735E-10	0.263876	hyper	sig	chr3_113441552
chr4	92304013	92304013	+	9.422E-11	7.7383E-10	0.217866	hyper	sig	chr4_92304013
chr19	55359110	55359110	+	9.428E-11	7.7436E-10	-0.22944	hypo	sig	chr19_55359110
chr17	81517485	81517485	+	9.439E-11	7.752E-10	0.273327	hyper	sig	chr17_81517485
chr20	54480074	54480074	+	9.439E-11	7.7524E-10	-0.29947	hypo	sig	chr20_54480074
chr11	32426398	32426398	+	9.444E-11	7.7565E-10	0.231242	hyper	sig	chr11_32426398
chr2	1.39E+08	138781070	+	9.455E-11	7.7653E-10	0.288469	hyper	sig	chr2_138781070
chr10	70754592	70754592	+	9.457E-11	7.7662E-10	-0.22283	hypo	sig	chr10_70754592
chr10	7174122	7174122	+	9.461E-11	7.77E-10	-0.2861	hypo	sig	chr10_7174122
chr7	1.28E+08	128241319	+	9.464E-11	7.772E-10	0.268117	hyper	sig	chr7_128241319
chr1	37996874	37996874	+	9.465E-11	7.7727E-10	0.212322	hyper	sig	chr1_37996874
chr1	2.05E+08	205441008	+	9.471E-11	7.7777E-10	-0.27505	hypo	sig	chr1_205441008
chr12	1.31E+08	130970988	+	9.473E-11	7.7787E-10	-0.21113	hypo	sig	chr12_130970988
chr5	34649734	34649734	+	9.474E-11	7.7796E-10	-0.27628	hypo	sig	chr5_34649734
chr10	1.18E+08	117545768	+	9.475E-11	7.7802E-10	0.226163	hyper	sig	chr10_117545768
chr4	1047612	1047612	+	9.488E-11	7.791E-10	-0.23534	hypo	sig	chr4_1047612
chr22	46088089	46088089	+	9.489E-11	7.7914E-10	0.234869	hyper	sig	chr22_46088089
chr4	4864737	4864737	+	9.496E-11	7.7971E-10	0.26765	hyper	sig	chr4_4864737
chr15	82714235	82714235	+	9.498E-11	7.7984E-10	-0.25208	hypo	sig	chr15_82714235
chr13	53202261	53202261	+	9.5E-11	7.7997E-10	0.224255	hyper	sig	chr13_53202261
chr22	49703845	49703845	+	9.5E-11	7.7997E-10	0.307172	hyper	sig	chr22_49703845
chr17	4742940	4742940	+	9.501E-11	7.8002E-10	0.251588	hyper	sig	chr17_4742940
chr2	2.13E+08	212721246	+	9.508E-11	7.8063E-10	-0.26866	hypo	sig	chr2_212721246
chr9	38422553	38422553	+	9.524E-11	7.8188E-10	-0.29956	hypo	sig	chr9_38422553
chr1	3747259	3747259	+	9.527E-11	7.8212E-10	0.205987	hyper	sig	chr1_3747259
chr11	69012074	69012074	+	9.529E-11	7.8227E-10	0.240118	hyper	sig	chr11_69012074
chr17	44657174	44657174	+	9.534E-11	7.8267E-10	0.232795	hyper	sig	chr17_44657174
chr14	1.04E+08	104199735	+	9.547E-11	7.8374E-10	-0.22292	hypo	sig	chr14_104199735
chr5	1.41E+08	141210254	+	9.551E-11	7.8406E-10	0.231854	hyper	sig	chr5_141210254
chr19	58204200	58204200	+	9.565E-11	7.8512E-10	0.259748	hyper	sig	chr19_58204200
chr13	26742989	26742989	+	9.566E-11	7.8524E-10	0.230917	hyper	sig	chr13_26742989
chr9	1.38E+08	137788788	+	9.568E-11	7.8538E-10	-0.25166	hypo	sig	chr9_137788788
chr12	84155404	84155404	+	9.571E-11	7.8558E-10	-0.22854	hypo	sig	chr12_84155404
chr2	11495900	11495900	+	9.572E-11	7.8568E-10	0.207569	hyper	sig	chr2_11495900
chr11	57465053	57465053	+	9.574E-11	7.8582E-10	0.206927	hyper	sig	chr11_57465053
chr10	25934122	25934122	+	9.575E-11	7.8591E-10	0.253907	hyper	sig	chr10_25934122
chr2	1.75E+08	174730122	+	9.582E-11	7.8647E-10	0.216288	hyper	sig	chr2_174730122
chr7	1E+08	100099684	+	9.589E-11	7.8697E-10	0.218489	hyper	sig	chr7_100099684
chr15	1.01E+08	100544291	+	9.597E-11	7.8762E-10	0.236052	hyper	sig	chr15_100544291
chr8	41894990	41894990	+	9.604E-11	7.882E-10	-0.2459	hypo	sig	chr8_41894990
chr9	1.24E+08	124014881	+	9.606E-11	7.8836E-10	0.225489	hyper	sig	chr9_124014881
chr1	2342145	2342145	+	9.632E-11	7.904E-10	-0.21694	hypo	sig	chr1_2342145
chr1	53276737	53276737	+	9.632E-11	7.904E-10	0.205667	hyper	sig	chr1_53276737
chr1	1109948	1109948	+	9.642E-11	7.912E-10	-0.22699	hypo	sig	chr1_1109948

chr10	1.33E+08	132803718	+	9.645E-11	7.9138E-10	-0.20347	hypo	sig	chr10_132803718
chr2	309039	309039	+	9.652E-11	7.9198E-10	-0.22378	hypo	sig	chr2_309039
chr3	10993726	10993726	+	9.652E-11	7.9198E-10	0.224578	hyper	sig	chr3_10993726
chr6	1.08E+08	108111235	+	9.657E-11	7.9228E-10	-0.25544	hypo	sig	chr6_108111235
chr10	3400514	3400514	+	9.666E-11	7.9301E-10	0.268932	hyper	sig	chr10_3400514
chr13	36432101	36432101	+	9.67E-11	7.9338E-10	0.230276	hyper	sig	chr13_36432101
chr12	56488909	56488909	+	9.681E-11	7.9423E-10	0.203123	hyper	sig	chr12_56488909
chr2	1.05E+08	104857996	+	9.685E-11	7.9455E-10	0.265765	hyper	sig	chr2_104857996
chr1	43008233	43008233	+	9.69E-11	7.9495E-10	-0.21152	hypo	sig	chr1_43008233
chr17	81524505	81524505	+	9.69E-11	7.9495E-10	-0.21819	hypo	sig	chr17_81524505
chr3	9136061	9136061	+	9.691E-11	7.9502E-10	0.269787	hyper	sig	chr3_9136061
chr2	11656780	11656780	+	9.692E-11	7.9508E-10	-0.31743	hypo	sig	chr2_11656780
chr10	44293422	44293422	+	9.693E-11	7.9514E-10	0.228821	hyper	sig	chr10_44293422
chr1	7671022	7671022	+	9.697E-11	7.9544E-10	-0.22535	hypo	sig	chr1_7671022
chr16	30896285	30896285	+	9.709E-11	7.9644E-10	0.240637	hyper	sig	chr16_30896285
chr13	52833357	52833357	+	9.71E-11	7.9647E-10	-0.2195	hypo	sig	chr13_52833357
chr7	20779224	20779224	+	9.715E-11	7.9685E-10	0.237543	hyper	sig	chr7_20779224
chr5	1777556	1777556	+	9.715E-11	7.9688E-10	-0.21206	hypo	sig	chr5_1777556
chr4	6382438	6382438	+	9.715E-11	7.9689E-10	-0.22699	hypo	sig	chr4_6382438
chr11	65311434	65311434	+	9.722E-11	7.9738E-10	-0.26483	hypo	sig	chr11_65311434
chr18	55779974	55779974	+	9.723E-11	7.9746E-10	0.201933	hyper	sig	chr18_55779974
chr17	74314765	74314765	+	9.733E-11	7.9824E-10	-0.22942	hypo	sig	chr17_74314765
chr17	17352457	17352457	+	9.738E-11	7.9863E-10	-0.21562	hypo	sig	chr17_17352457
chr8	1.06E+08	106215869	+	9.742E-11	7.9901E-10	-0.23173	hypo	sig	chr8_106215869
chr19	2513677	2513677	+	9.744E-11	7.9915E-10	-0.20542	hypo	sig	chr19_2513677
chr16	88685489	88685489	+	9.752E-11	7.998E-10	0.227188	hyper	sig	chr16_88685489
chr1	1.19E+08	119000559	+	9.759E-11	8.0029E-10	0.213533	hyper	sig	chr1_119000559
chr19	42095743	42095743	+	9.761E-11	8.0046E-10	0.22461	hyper	sig	chr19_42095743
chr1	2.02E+08	201889480	+	9.766E-11	8.0084E-10	0.228571	hyper	sig	chr1_201889480
chr15	84816986	84816986	+	9.77E-11	8.0118E-10	0.205617	hyper	sig	chr15_84816986
chr18	79430043	79430043	+	9.775E-11	8.0154E-10	-0.20464	hypo	sig	chr18_79430043
chr17	73278328	73278328	+	9.789E-11	8.0262E-10	0.248918	hyper	sig	chr17_73278328
chr2	51032811	51032811	+	9.792E-11	8.0287E-10	0.259296	hyper	sig	chr2_51032811
chr11	64972151	64972151	+	9.793E-11	8.0297E-10	0.291206	hyper	sig	chr11_64972151
chr12	34602088	34602088	+	9.795E-11	8.0309E-10	-0.21999	hypo	sig	chr12_34602088
chr8	1759256	1759256	+	9.8E-11	8.0347E-10	0.224385	hyper	sig	chr8_1759256
chr14	1.02E+08	102085153	+	9.8E-11	8.035E-10	-0.25785	hypo	sig	chr14_102085153
chr20	63980491	63980491	+	9.802E-11	8.0366E-10	-0.20936	hypo	sig	chr20_63980491
chr1	92441805	92441805	+	9.804E-11	8.0381E-10	-0.23367	hypo	sig	chr1_92441805
chr13	95553373	95553373	+	9.822E-11	8.0521E-10	0.249034	hyper	sig	chr13_95553373
chr1	1.57E+08	156676552	+	9.826E-11	8.0553E-10	0.210776	hyper	sig	chr1_156676552
chr4	1.39E+08	139279647	+	9.826E-11	8.0553E-10	0.21067	hyper	sig	chr4_139279647
chr1	1942128	1942128	+	9.831E-11	8.0593E-10	-0.26471	hypo	sig	chr1_1942128
chr11	1.2E+08	120248470	+	9.834E-11	8.0613E-10	-0.22354	hypo	sig	chr11_120248470
chr8	1.4E+08	140360189	+	9.837E-11	8.0636E-10	0.205403	hyper	sig	chr8_140360189
chr7	98205262	98205262	+	9.838E-11	8.0646E-10	-0.20387	hypo	sig	chr7_98205262
chr22	42074068	42074068	+	9.84E-11	8.0658E-10	0.243372	hyper	sig	chr22_42074068
chr19	3178846	3178846	+	9.843E-11	8.0679E-10	-0.23715	hypo	sig	chr19_3178846
chr11	69891706	69891706	+	9.843E-11	8.068E-10	-0.22808	hypo	sig	chr11_69891706
chr20	61885114	61885114	+	9.845E-11	8.0694E-10	-0.23109	hypo	sig	chr20_61885114
chr10	1.08E+08	107915526	+	9.848E-11	8.0716E-10	0.203215	hyper	sig	chr10_107915526
chr2	1.32E+08	131647038	+	9.849E-11	8.0726E-10	0.24484	hyper	sig	chr2_131647038
chr12	1.22E+08	121918943	+	9.849E-11	8.0729E-10	0.22772	hyper	sig	chr12_121918943
chr1	90720192	90720192	+	9.851E-11	8.0741E-10	0.245695	hyper	sig	chr1_90720192
chr3	1.29E+08	128993326	+	9.854E-11	8.0768E-10	0.256953	hyper	sig	chr3_128993326
chr11	1.19E+08	118903267	+	9.855E-11	8.0774E-10	0.243361	hyper	sig	chr11_118903267

chr8	1.44E+08	143946178	+	9.858E-11	8.0797E-10	0.219107	hyper	sig	chr8_143946178
chr5	1.54E+08	154480180	+	9.866E-11	8.0862E-10	0.206148	hyper	sig	chr5_154480180
chr8	2034779	2034779	+	9.867E-11	8.0863E-10	-0.21121	hypo	sig	chr8_2034779
chr19	5237543	5237543	+	9.869E-11	8.0882E-10	-0.21348	hypo	sig	chr19_5237543
chr10	1.33E+08	133213438	+	9.877E-11	8.0944E-10	-0.22499	hypo	sig	chr10_133213438
chr11	2904739	2904739	+	9.886E-11	8.1015E-10	-0.20007	hypo	sig	chr11_2904739
chr13	98450809	98450809	+	9.886E-11	8.1018E-10	0.267396	hyper	sig	chr13_98450809
chr17	83091775	83091775	+	9.888E-11	8.1029E-10	-0.20959	hypo	sig	chr17_83091775
chr2	1.58E+08	157597546	+	9.888E-11	8.1029E-10	0.207282	hyper	sig	chr2_157597546
chr14	91575485	91575485	+	9.89E-11	8.1046E-10	-0.25221	hypo	sig	chr14_91575485
chr17	43842227	43842227	+	9.89E-11	8.1046E-10	-0.20679	hypo	sig	chr17_43842227
chr4	55793758	55793758	+	9.901E-11	8.1128E-10	0.243946	hyper	sig	chr4_55793758
chr5	1.51E+08	150640776	+	9.901E-11	8.1132E-10	-0.22053	hypo	sig	chr5_150640776
chr22	37661566	37661566	+	9.916E-11	8.1243E-10	0.2518	hyper	sig	chr22_37661566
chr9	87149289	87149289	+	9.928E-11	8.1338E-10	-0.23346	hypo	sig	chr9_87149289
chr2	11825019	11825019	+	9.934E-11	8.139E-10	0.215048	hyper	sig	chr2_11825019
chr20	51023442	51023442	+	9.937E-11	8.141E-10	0.263485	hyper	sig	chr20_51023442
chr17	75723720	75723720	+	9.946E-11	8.1485E-10	-0.25408	hypo	sig	chr17_75723720
chr20	59995449	59995449	+	9.949E-11	8.1505E-10	-0.20424	hypo	sig	chr20_59995449
chr1	2.03E+08	203129012	+	9.952E-11	8.1534E-10	-0.2016	hypo	sig	chr1_203129012
chr19	1440417	1440417	+	9.953E-11	8.1534E-10	-0.21324	hypo	sig	chr19_1440417
chr1	50416801	50416801	+	9.955E-11	8.1553E-10	0.209436	hyper	sig	chr1_50416801
chr9	95102869	95102869	+	9.958E-11	8.1577E-10	0.203207	hyper	sig	chr9_95102869
chr6	1.17E+08	116565030	+	9.96E-11	8.1595E-10	0.265376	hyper	sig	chr6_116565030
chr15	25787052	25787052	+	9.972E-11	8.1685E-10	-0.23684	hypo	sig	chr15_25787052
chr15	70584938	70584938	+	9.972E-11	8.1685E-10	-0.2086	hypo	sig	chr15_70584938
chr2	2.01E+08	200586226	+	9.973E-11	8.1699E-10	0.222364	hyper	sig	chr2_200586226
chr1	913064	913064	+	9.976E-11	8.1718E-10	-0.20218	hypo	sig	chr1_913064
chr17	21397435	21397435	+	9.982E-11	8.1763E-10	0.248826	hyper	sig	chr17_21397435
chr5	1.41E+08	141398979	+	9.993E-11	8.1851E-10	0.224377	hyper	sig	chr5_141398979
chr1	20707366	20707366	+	9.995E-11	8.1871E-10	-0.22046	hypo	sig	chr1_20707366
chr2	1.05E+08	105119298	+	9.996E-11	8.1876E-10	0.203144	hyper	sig	chr2_105119298
chr6	1E+08	100467929	+	9.999E-11	8.1902E-10	0.221444	hyper	sig	chr6_100467929
chr7	1.57E+08	156608010	+	1E-10	8.194E-10	0.23668	hyper	sig	chr7_156608010
chr11	46296026	46296026	+	1.001E-10	8.1946E-10	0.266431	hyper	sig	chr11_46296026
chr7	1.3E+08	130492995	+	1.001E-10	8.1999E-10	0.202974	hyper	sig	chr7_130492995
chr5	674468	674468	+	1.001E-10	8.2014E-10	0.249849	hyper	sig	chr5_674468
chr12	74171204	74171204	+	1.002E-10	8.2051E-10	-0.26484	hypo	sig	chr12_74171204
chr19	496226	496226	+	1.003E-10	8.2116E-10	0.220227	hyper	sig	chr19_496226
chr16	85982688	85982688	+	1.003E-10	8.212E-10	-0.21161	hypo	sig	chr16_85982688
chr16	54939263	54939263	+	1.003E-10	8.2138E-10	0.336675	hyper	sig	chr16_54939263
chr20	768434	768434	+	1.003E-10	8.2138E-10	-0.2236	hypo	sig	chr20_768434
chr7	1736477	1736477	+	1.004E-10	8.2227E-10	-0.23659	hypo	sig	chr7_1736477
chr17	79439181	79439181	+	1.005E-10	8.2289E-10	0.226708	hyper	sig	chr17_79439181
chr20	63005345	63005345	+	1.005E-10	8.229E-10	0.311	hyper	sig	chr20_63005345
chr1	1.45E+08	145168743	+	1.005E-10	8.23E-10	0.202999	hyper	sig	chr1_145168743
chr4	7250747	7250747	+	1.005E-10	8.2326E-10	0.229533	hyper	sig	chr4_7250747
chr10	1.02E+08	102419153	+	1.006E-10	8.2386E-10	0.237295	hyper	sig	chr10_102419153
chr7	70631130	70631130	+	1.007E-10	8.2426E-10	0.222527	hyper	sig	chr7_70631130
chr7	1.55E+08	155338260	+	1.007E-10	8.2484E-10	-0.29145	hypo	sig	chr7_155338260
chr10	79243902	79243902	+	1.008E-10	8.2521E-10	0.214876	hyper	sig	chr10_79243902
chr11	1343927	1343927	+	1.008E-10	8.2549E-10	-0.20488	hypo	sig	chr11_1343927
chr6	31580750	31580750	+	1.008E-10	8.2556E-10	0.234176	hyper	sig	chr6_31580750
chr19	45232087	45232087	+	1.008E-10	8.2556E-10	-0.23825	hypo	sig	chr19_45232087
chr4	47838078	47838078	+	1.008E-10	8.2556E-10	-0.20445	hypo	sig	chr4_47838078
chr5	1.41E+08	141410317	+	1.009E-10	8.2568E-10	0.258939	hyper	sig	chr5_141410317

chr1	1.8E+08	180270900	+	1.009E-10	8.2581E-10	-0.23675	hypo	sig	chr1_180270900
chr7	1.57E+08	157003195	+	1.009E-10	8.2616E-10	0.241706	hyper	sig	chr7_157003195
chr5	1.11E+08	111070903	+	1.009E-10	8.2628E-10	0.234139	hyper	sig	chr5_111070903
chr10	1.17E+08	117138465	+	1.01E-10	8.2691E-10	0.224113	hyper	sig	chr10_117138465
chr2	1.2E+08	119678447	+	1.01E-10	8.2716E-10	-0.21795	hypo	sig	chr2_119678447
chr5	1.5E+08	150141111	+	1.011E-10	8.276E-10	0.211781	hyper	sig	chr5_150141111
chr15	24773322	24773322	+	1.012E-10	8.2805E-10	0.221689	hyper	sig	chr15_24773322
chr12	1.3E+08	130451417	+	1.012E-10	8.2811E-10	-0.23267	hypo	sig	chr12_130451417
chr19	15233328	15233328	+	1.012E-10	8.2819E-10	0.230611	hyper	sig	chr19_15233328
chr5	931189	931189	+	1.012E-10	8.2874E-10	-0.26719	hypo	sig	chr5_931189
chr16	85272389	85272389	+	1.013E-10	8.29E-10	-0.24178	hypo	sig	chr16_85272389
chr10	1.05E+08	104641553	+	1.013E-10	8.2903E-10	0.218817	hyper	sig	chr10_104641553
chr15	95327064	95327064	+	1.013E-10	8.2935E-10	0.207298	hyper	sig	chr15_95327064
chr1	10739615	10739615	+	1.014E-10	8.2958E-10	-0.22302	hypo	sig	chr1_10739615
chr16	85810511	85810511	+	1.014E-10	8.2976E-10	-0.21547	hypo	sig	chr16_85810511
chr12	1.32E+08	132250137	+	1.014E-10	8.2977E-10	-0.21384	hypo	sig	chr12_132250137
chr12	2057747	2057747	+	1.014E-10	8.302E-10	0.242866	hyper	sig	chr12_2057747
chr11	30016278	30016278	+	1.015E-10	8.3064E-10	0.260316	hyper	sig	chr11_30016278
chr12	1.17E+08	116970071	+	1.016E-10	8.3124E-10	0.201803	hyper	sig	chr12_116970071
chr16	71426304	71426304	+	1.017E-10	8.3206E-10	0.214758	hyper	sig	chr16_71426304
chr7	64568364	64568364	+	1.017E-10	8.3218E-10	-0.23558	hypo	sig	chr7_64568364
chr15	41502095	41502095	+	1.017E-10	8.3227E-10	0.228805	hyper	sig	chr15_41502095
chr1	1.65E+08	165116851	+	1.017E-10	8.3244E-10	-0.24721	hypo	sig	chr1_165116851
chr1	90717528	90717528	+	1.018E-10	8.3325E-10	0.267251	hyper	sig	chr1_90717528
chr2	25373563	25373563	+	1.019E-10	8.3345E-10	-0.25039	hypo	sig	chr2_25373563
chr3	1.47E+08	147398174	+	1.019E-10	8.3399E-10	0.220593	hyper	sig	chr3_147398174
chr5	1.8E+08	180126864	+	1.02E-10	8.3471E-10	-0.29589	hypo	sig	chr5_180126864
chr6	73225837	73225837	+	1.02E-10	8.3471E-10	-0.21759	hypo	sig	chr6_73225837
chr15	67824104	67824104	+	1.02E-10	8.3472E-10	0.211285	hyper	sig	chr15_67824104
chr1	50413888	50413888	+	1.021E-10	8.3532E-10	-0.22652	hypo	sig	chr1_50413888
chr12	1.15E+08	114687326	+	1.024E-10	8.3752E-10	0.240405	hyper	sig	chr12_114687326
chr2	2.2E+08	219516369	+	1.024E-10	8.3792E-10	-0.2074	hypo	sig	chr2_219516369
chr14	96615514	96615514	+	1.025E-10	8.3888E-10	-0.2811	hypo	sig	chr14_96615514
chr7	15686355	15686355	+	1.026E-10	8.3934E-10	0.237996	hyper	sig	chr7_15686355
chr2	731215	731215	+	1.027E-10	8.3984E-10	-0.21731	hypo	sig	chr2_731215
chr20	22568688	22568688	+	1.027E-10	8.4015E-10	0.322814	hyper	sig	chr20_22568688
chr19	1758488	1758488	+	1.028E-10	8.4065E-10	0.246595	hyper	sig	chr19_1758488
chr10	1.01E+08	101007600	+	1.028E-10	8.4073E-10	0.265825	hyper	sig	chr10_101007600
chr5	51377343	51377343	+	1.028E-10	8.4095E-10	0.281875	hyper	sig	chr5_51377343
chr11	64870718	64870718	+	1.028E-10	8.41E-10	0.204848	hyper	sig	chr11_64870718
chr19	1466619	1466619	+	1.029E-10	8.4147E-10	0.298413	hyper	sig	chr19_1466619
chr19	17821437	17821437	+	1.029E-10	8.4149E-10	0.250956	hyper	sig	chr19_17821437
chr19	57351867	57351867	+	1.029E-10	8.4159E-10	0.27869	hyper	sig	chr19_57351867
chr12	34294905	34294905	+	1.029E-10	8.4162E-10	-0.21636	hypo	sig	chr12_34294905
chr15	74209444	74209444	+	1.029E-10	8.4167E-10	-0.21645	hypo	sig	chr15_74209444
chr10	1.33E+08	132984090	+	1.029E-10	8.4188E-10	0.243331	hyper	sig	chr10_132984090
chr16	29187020	29187020	+	1.031E-10	8.4337E-10	0.261145	hyper	sig	chr16_29187020
chr15	52794508	52794508	+	1.031E-10	8.4353E-10	0.203793	hyper	sig	chr15_52794508
chr19	55087624	55087624	+	1.032E-10	8.4429E-10	0.237974	hyper	sig	chr19_55087624
chr7	1455744	1455744	+	1.032E-10	8.4429E-10	-0.24937	hypo	sig	chr7_1455744
chr20	63157290	63157290	+	1.033E-10	8.4447E-10	-0.20097	hypo	sig	chr20_63157290
chr18	37274292	37274292	+	1.033E-10	8.4447E-10	0.274286	hyper	sig	chr18_37274292
chr14	37611425	37611425	+	1.033E-10	8.4469E-10	0.350985	hyper	sig	chr14_37611425
chr20	21020625	21020625	+	1.033E-10	8.4506E-10	0.237841	hyper	sig	chr20_21020625
chr12	52965173	52965173	+	1.034E-10	8.4566E-10	0.259425	hyper	sig	chr12_52965173
chr12	1.15E+08	114686099	+	1.035E-10	8.4608E-10	0.226412	hyper	sig	chr12_114686099

chr12	49342023	49342023	+	1.035E-10	8.4609E-10	0.283601	hyper	sig	chr12_49342023
chr11	1.03E+08	102768049	+	1.036E-10	8.4705E-10	0.229163	hyper	sig	chr11_102768049
chr16	88300666	88300666	+	1.037E-10	8.4823E-10	-0.27007	hypo	sig	chr16_88300666
chr7	55449424	55449424	+	1.038E-10	8.4882E-10	0.24711	hyper	sig	chr7_55449424
chr4	3683002	3683002	+	1.039E-10	8.492E-10	-0.25669	hypo	sig	chr4_3683002
chr20	63415080	63415080	+	1.04E-10	8.5026E-10	-0.32036	hypo	sig	chr20_63415080
chr17	41524122	41524122	+	1.04E-10	8.5047E-10	-0.21915	hypo	sig	chr17_41524122
chr6	42178168	42178168	+	1.041E-10	8.5096E-10	0.240541	hyper	sig	chr6_42178168
chr1	2.25E+08	224616336	+	1.041E-10	8.5117E-10	0.20583	hyper	sig	chr1_224616336
chr7	1.35E+08	135237615	+	1.042E-10	8.5134E-10	-0.25771	hypo	sig	chr7_135237615
chr4	1.54E+08	153781585	+	1.044E-10	8.5355E-10	-0.21118	hypo	sig	chr4_153781585
chr14	61281774	61281774	+	1.044E-10	8.5364E-10	-0.2172	hypo	sig	chr14_61281774
chr3	1.2E+08	120285450	+	1.044E-10	8.5368E-10	0.25484	hyper	sig	chr3_120285450
chr2	11496016	11496016	+	1.045E-10	8.5398E-10	0.231479	hyper	sig	chr2_11496016
chr11	1.12E+08	112499824	+	1.047E-10	8.5535E-10	-0.20837	hypo	sig	chr11_112499824
chr1	1.5E+08	149810928	+	1.047E-10	8.5547E-10	-0.20238	hypo	sig	chr1_149810928
chr11	50298534	50298534	+	1.047E-10	8.5552E-10	0.257117	hyper	sig	chr11_50298534
chr16	31224442	31224442	+	1.047E-10	8.5562E-10	0.255215	hyper	sig	chr16_31224442
chr2	2.39E+08	239121684	+	1.047E-10	8.5562E-10	0.209139	hyper	sig	chr2_239121684
chr20	23053139	23053139	+	1.047E-10	8.5574E-10	-0.22272	hypo	sig	chr20_23053139
chr6	10421595	10421595	+	1.047E-10	8.5594E-10	0.259536	hyper	sig	chr6_10421595
chr17	2057955	2057955	+	1.048E-10	8.5659E-10	0.23863	hyper	sig	chr17_2057955
chr4	1.74E+08	173528405	+	1.049E-10	8.5698E-10	0.242881	hyper	sig	chr4_173528405
chr12	139960	139960	+	1.049E-10	8.5719E-10	0.267063	hyper	sig	chr12_139960
chr14	99382546	99382546	+	1.049E-10	8.5725E-10	0.242574	hyper	sig	chr14_99382546
chr19	403856	403856	+	1.05E-10	8.5804E-10	-0.20441	hypo	sig	chr19_403856
chr7	1455704	1455704	+	1.05E-10	8.5816E-10	-0.2021	hypo	sig	chr7_1455704
chr4	13541085	13541085	+	1.05E-10	8.5829E-10	0.226912	hyper	sig	chr4_13541085
chr3	1.2E+08	120285440	+	1.051E-10	8.5844E-10	0.27758	hyper	sig	chr3_120285440
chr10	1.19E+08	118595764	+	1.051E-10	8.5862E-10	0.248266	hyper	sig	chr10_118595764
chr4	1.09E+08	108763429	+	1.051E-10	8.5862E-10	0.216558	hyper	sig	chr4_108763429
chr10	73907059	73907059	+	1.052E-10	8.5925E-10	0.326763	hyper	sig	chr10_73907059
chr2	1.75E+08	174730460	+	1.052E-10	8.5951E-10	0.248069	hyper	sig	chr2_174730460
chr6	1.07E+08	106509490	+	1.052E-10	8.599E-10	0.215137	hyper	sig	chr6_106509490
chr9	990630	990630	+	1.054E-10	8.6074E-10	-0.26479	hypo	sig	chr9_990630
chr1	2331068	2331068	+	1.054E-10	8.6079E-10	0.247995	hyper	sig	chr1_2331068
chr17	63700957	63700957	+	1.054E-10	8.6127E-10	0.218867	hyper	sig	chr17_63700957
chr10	35607984	35607984	+	1.054E-10	8.6145E-10	0.229649	hyper	sig	chr10_35607984
chr3	1.22E+08	122185368	+	1.056E-10	8.6289E-10	-0.29786	hypo	sig	chr3_122185368
chr10	513563	513563	+	1.057E-10	8.6335E-10	-0.29443	hypo	sig	chr10_513563
chr15	74370301	74370301	+	1.057E-10	8.6354E-10	-0.20886	hypo	sig	chr15_74370301
chr22	46045919	46045919	+	1.057E-10	8.6379E-10	0.204337	hyper	sig	chr22_46045919
chr16	86954245	86954245	+	1.058E-10	8.6433E-10	0.240428	hyper	sig	chr16_86954245
chr5	1.41E+08	140824001	+	1.058E-10	8.6438E-10	0.207477	hyper	sig	chr5_140824001
chr19	15421956	15421956	+	1.059E-10	8.6477E-10	0.227726	hyper	sig	chr19_15421956
chr16	844970	844970	+	1.06E-10	8.6587E-10	-0.20139	hypo	sig	chr16_844970
chr14	1.06E+08	105582729	+	1.061E-10	8.6626E-10	-0.22489	hypo	sig	chr14_105582729
chr2	1.76E+08	176114530	+	1.061E-10	8.6671E-10	-0.23684	hypo	sig	chr2_176114530
chr4	1.74E+08	173531702	+	1.062E-10	8.6702E-10	0.216373	hyper	sig	chr4_173531702
chr11	20600619	20600619	+	1.062E-10	8.6713E-10	0.209178	hyper	sig	chr11_20600619
chr1	68047009	68047009	+	1.062E-10	8.6722E-10	-0.20379	hypo	sig	chr1_68047009
chr3	1.29E+08	128555286	+	1.062E-10	8.6747E-10	0.217591	hyper	sig	chr3_128555286
chr7	63576593	63576593	+	1.062E-10	8.6758E-10	-0.22651	hypo	sig	chr7_63576593
chr22	20085870	20085870	+	1.063E-10	8.6797E-10	0.214745	hyper	sig	chr22_20085870
chr6	72182371	72182371	+	1.063E-10	8.6805E-10	0.264084	hyper	sig	chr6_72182371
chr9	1.3E+08	130411135	+	1.063E-10	8.6828E-10	-0.23546	hypo	sig	chr9_130411135

chr10	1.33E+08	132817041	+	1.064E-10	8.6861E-10	-0.25967	hypo	sig	chr10_132817041
chr11	22432568	22432568	+	1.064E-10	8.6875E-10	0.227725	hyper	sig	chr11_22432568
chr13	26050420	26050420	+	1.064E-10	8.6899E-10	0.230132	hyper	sig	chr13_26050420
chr6	27515290	27515290	+	1.065E-10	8.6941E-10	0.22677	hyper	sig	chr6_27515290
chr2	42492795	42492795	+	1.065E-10	8.6972E-10	0.31584	hyper	sig	chr2_42492795
chr8	46105094	46105094	+	1.066E-10	8.7013E-10	-0.25706	hypo	sig	chr8_46105094
chr4	1.56E+08	155758861	+	1.066E-10	8.7065E-10	0.272083	hyper	sig	chr4_155758861
chr4	1.02E+08	102257896	+	1.066E-10	8.7078E-10	-0.23207	hypo	sig	chr4_102257896
chr10	97578444	97578444	+	1.067E-10	8.7105E-10	0.2108	hyper	sig	chr10_97578444
chr5	1295592	1295592	+	1.067E-10	8.7105E-10	0.258998	hyper	sig	chr5_1295592
chr13	49939019	49939019	+	1.067E-10	8.7144E-10	-0.26885	hypo	sig	chr13_49939019
chr16	32882677	32882677	+	1.067E-10	8.7153E-10	-0.2026	hypo	sig	chr16_32882677
chr8	67952279	67952279	+	1.069E-10	8.7267E-10	0.291043	hyper	sig	chr8_67952279
chr5	1.8E+08	179526663	+	1.069E-10	8.7301E-10	-0.20348	hypo	sig	chr5_179526663
chr13	99997593	99997593	+	1.07E-10	8.7377E-10	0.245317	hyper	sig	chr13_99997593
chr3	1.27E+08	126544938	+	1.072E-10	8.7506E-10	-0.20338	hypo	sig	chr3_126544938
chr19	45952888	45952888	+	1.072E-10	8.7542E-10	0.205275	hyper	sig	chr19_45952888
chr10	1.01E+08	101284479	+	1.072E-10	8.7544E-10	0.255674	hyper	sig	chr10_101284479
chr17	80498342	80498342	+	1.073E-10	8.7574E-10	0.22542	hyper	sig	chr17_80498342
chr14	56804293	56804293	+	1.075E-10	8.7743E-10	0.242377	hyper	sig	chr14_56804293
chr19	31354082	31354082	+	1.075E-10	8.7753E-10	-0.22552	hypo	sig	chr19_31354082
chr14	1.01E+08	101364753	+	1.075E-10	8.777E-10	0.217651	hyper	sig	chr14_101364753
chr7	1.58E+08	157555594	+	1.076E-10	8.7803E-10	-0.20909	hypo	sig	chr7_157555594
chr1	1.81E+08	181483869	+	1.076E-10	8.7833E-10	0.222479	hyper	sig	chr1_181483869
chr2	2.32E+08	231927575	+	1.077E-10	8.7862E-10	0.207676	hyper	sig	chr2_231927575
chr1	1.19E+08	119000762	+	1.077E-10	8.792E-10	0.260098	hyper	sig	chr1_119000762
chr8	1.42E+08	141723949	+	1.078E-10	8.7953E-10	0.22217	hyper	sig	chr8_141723949
chr12	6180265	6180265	+	1.078E-10	8.7964E-10	-0.28625	hypo	sig	chr12_6180265
chr3	1.95E+08	195105661	+	1.079E-10	8.8031E-10	-0.22119	hypo	sig	chr3_195105661
chr16	3192872	3192872	+	1.079E-10	8.8034E-10	0.234156	hyper	sig	chr16_3192872
chr7	1.58E+08	158315547	+	1.079E-10	8.8052E-10	-0.23542	hypo	sig	chr7_158315547
chr19	46023032	46023032	+	1.079E-10	8.809E-10	0.295433	hyper	sig	chr19_46023032
chr3	52373381	52373381	+	1.08E-10	8.8102E-10	0.313165	hyper	sig	chr3_52373381
chr7	6149111	6149111	+	1.08E-10	8.8163E-10	0.213173	hyper	sig	chr7_6149111
chr17	50781471	50781471	+	1.082E-10	8.8292E-10	0.208665	hyper	sig	chr17_50781471
chr17	48573849	48573849	+	1.083E-10	8.8369E-10	0.204079	hyper	sig	chr17_48573849
chr10	49758569	49758569	+	1.083E-10	8.8386E-10	-0.23895	hypo	sig	chr10_49758569
chr5	1.41E+08	140876728	+	1.084E-10	8.8426E-10	0.227044	hyper	sig	chr5_140876728
chr22	19149409	19149409	+	1.084E-10	8.8471E-10	0.212036	hyper	sig	chr22_19149409
chr8	56118017	56118017	+	1.085E-10	8.8513E-10	0.247009	hyper	sig	chr8_56118017
chr9	1.3E+08	130200702	+	1.086E-10	8.8586E-10	0.248154	hyper	sig	chr9_130200702
chr5	1.41E+08	140848946	+	1.088E-10	8.8734E-10	0.26648	hyper	sig	chr5_140848946
chr2	2.41E+08	241049808	+	1.088E-10	8.8787E-10	0.20474	hyper	sig	chr2_241049808
chr8	42148630	42148630	+	1.088E-10	8.8788E-10	-0.26677	hypo	sig	chr8_42148630
chr16	89847351	89847351	+	1.088E-10	8.8804E-10	-0.20069	hypo	sig	chr16_89847351
chr8	1.28E+08	127793134	+	1.089E-10	8.8825E-10	-0.34825	hypo	sig	chr8_127793134
chr13	52845396	52845396	+	1.09E-10	8.8895E-10	0.220338	hyper	sig	chr13_52845396
chr1	27347368	27347368	+	1.09E-10	8.8939E-10	-0.25751	hypo	sig	chr1_27347368
chr21	29298152	29298152	+	1.091E-10	8.8976E-10	-0.20654	hypo	sig	chr21_29298152
chr17	1752838	1752838	+	1.092E-10	8.9049E-10	-0.25389	hypo	sig	chr17_1752838
chr1	1.47E+08	147079944	+	1.092E-10	8.9085E-10	0.242751	hyper	sig	chr1_147079944
chr11	66543806	66543806	+	1.093E-10	8.9134E-10	0.250063	hyper	sig	chr11_66543806
chr20	54476613	54476613	+	1.093E-10	8.919E-10	0.204726	hyper	sig	chr20_54476613
chr6	1.67E+08	167203655	+	1.096E-10	8.9391E-10	0.208796	hyper	sig	chr6_167203655
chr4	10461691	10461691	+	1.097E-10	8.9485E-10	0.252829	hyper	sig	chr4_10461691
chr1	1.6E+08	159929740	+	1.098E-10	8.955E-10	-0.21375	hypo	sig	chr1_159929740

chr19	3879774	3879774	+	1.098E-10	8.9558E-10	-0.21456	hypo	sig	chr19_3879774
chr6	2640819	2640819	+	1.098E-10	8.9563E-10	-0.23697	hypo	sig	chr6_2640819
chr6	32083128	32083128	+	1.1E-10	8.9718E-10	-0.21345	hypo	sig	chr6_32083128
chr19	13506212	13506212	+	1.101E-10	8.9762E-10	0.291103	hyper	sig	chr19_13506212
chr17	21737102	21737102	+	1.101E-10	8.9784E-10	-0.26033	hypo	sig	chr17_21737102
chr20	63962384	63962384	+	1.102E-10	8.9819E-10	-0.2081	hypo	sig	chr20_63962384
chr17	79706885	79706885	+	1.102E-10	8.9841E-10	-0.21919	hypo	sig	chr17_79706885
chr15	43329685	43329685	+	1.102E-10	8.9876E-10	0.214212	hyper	sig	chr15_43329685
chr11	1.14E+08	114059088	+	1.103E-10	8.9923E-10	0.200046	hyper	sig	chr11_114059088
chr16	88259355	88259355	+	1.103E-10	8.9949E-10	-0.22	hypo	sig	chr16_88259355
chr1	1.83E+08	182952749	+	1.103E-10	8.9964E-10	0.309763	hyper	sig	chr1_182952749
chr8	41735526	41735526	+	1.104E-10	8.9988E-10	-0.2775	hypo	sig	chr8_41735526
chr20	63400386	63400386	+	1.105E-10	9.0085E-10	-0.23903	hypo	sig	chr20_63400386
chr22	44664491	44664491	+	1.106E-10	9.0142E-10	0.209984	hyper	sig	chr22_44664491
chr8	1.44E+08	143944670	+	1.106E-10	9.0162E-10	0.210328	hyper	sig	chr8_143944670
chr13	20946359	20946359	+	1.106E-10	9.0168E-10	0.22859	hyper	sig	chr13_20946359
chr4	1410587	1410587	+	1.107E-10	9.0257E-10	0.263261	hyper	sig	chr4_1410587
chr7	32070305	32070305	+	1.107E-10	9.0263E-10	0.257559	hyper	sig	chr7_32070305
chr2	2.39E+08	239483071	+	1.107E-10	9.0267E-10	-0.2401	hypo	sig	chr2_239483071
chr11	1205705	1205705	+	1.109E-10	9.0393E-10	-0.21195	hypo	sig	chr11_1205705
chr6	28922142	28922142	+	1.109E-10	9.0407E-10	-0.2207	hypo	sig	chr6_28922142
chr20	63948404	63948404	+	1.109E-10	9.041E-10	0.233535	hyper	sig	chr20_63948404
chr1	79006606	79006606	+	1.11E-10	9.0444E-10	0.212381	hyper	sig	chr1_79006606
chr17	5100929	5100929	+	1.11E-10	9.049E-10	-0.20953	hypo	sig	chr17_5100929
chr19	437181	437181	+	1.11E-10	9.0491E-10	-0.31841	hypo	sig	chr19_437181
chr7	745774	745774	+	1.11E-10	9.0505E-10	0.218979	hyper	sig	chr7_745774
chr8	41665203	41665203	+	1.111E-10	9.053E-10	-0.23127	hypo	sig	chr8_41665203
chr6	1.65E+08	165310873	+	1.111E-10	9.0542E-10	-0.22539	hypo	sig	chr6_165310873
chr7	27147368	27147368	+	1.111E-10	9.0563E-10	0.208535	hyper	sig	chr7_27147368
chr11	95037860	95037860	+	1.112E-10	9.062E-10	0.23952	hyper	sig	chr11_95037860
chr17	77541443	77541443	+	1.113E-10	9.0697E-10	-0.2209	hypo	sig	chr17_77541443
chr11	1.23E+08	122976559	+	1.113E-10	9.0718E-10	0.268633	hyper	sig	chr11_122976559
chr1	10651584	10651584	+	1.113E-10	9.0733E-10	0.260771	hyper	sig	chr1_10651584
chr21	36696969	36696969	+	1.114E-10	9.0748E-10	0.325726	hyper	sig	chr21_36696969
chr3	50567409	50567409	+	1.114E-10	9.0765E-10	0.201064	hyper	sig	chr3_50567409
chr9	1.37E+08	136846512	+	1.115E-10	9.0839E-10	0.200379	hyper	sig	chr9_136846512
chr19	18931911	18931911	+	1.115E-10	9.0869E-10	-0.22027	hypo	sig	chr19_18931911
chr2	2.31E+08	230985028	+	1.116E-10	9.0948E-10	-0.21956	hypo	sig	chr2_230985028
chr11	69089448	69089448	+	1.117E-10	9.1001E-10	0.206696	hyper	sig	chr11_69089448
chr22	20116255	20116255	+	1.117E-10	9.104E-10	0.206458	hyper	sig	chr22_20116255
chr2	2.08E+08	207767788	+	1.12E-10	9.1227E-10	-0.23928	hypo	sig	chr2_207767788
chr16	841821	841821	+	1.12E-10	9.1238E-10	-0.25523	hypo	sig	chr16_841821
chr8	4991471	4991471	+	1.12E-10	9.1248E-10	0.23408	hyper	sig	chr8_4991471
chr11	1.03E+08	102831993	+	1.12E-10	9.1261E-10	-0.23701	hypo	sig	chr11_102831993
chr17	77389151	77389151	+	1.12E-10	9.1263E-10	0.250785	hyper	sig	chr17_77389151
chr7	35256814	35256814	+	1.12E-10	9.127E-10	0.206337	hyper	sig	chr7_35256814
chr7	1.56E+08	155804829	+	1.121E-10	9.1302E-10	0.21394	hyper	sig	chr7_155804829
chr16	1962646	1962646	+	1.121E-10	9.1328E-10	-0.23074	hypo	sig	chr16_1962646
chr7	96998012	96998012	+	1.121E-10	9.1328E-10	0.236537	hyper	sig	chr7_96998012
chr4	3470412	3470412	+	1.122E-10	9.14E-10	-0.22441	hypo	sig	chr4_3470412
chr5	1752544	1752544	+	1.122E-10	9.1427E-10	-0.20605	hypo	sig	chr5_1752544
chr12	6075350	6075350	+	1.122E-10	9.143E-10	-0.23175	hypo	sig	chr12_6075350
chr13	1.14E+08	114096813	+	1.123E-10	9.1484E-10	-0.22509	hypo	sig	chr13_114096813
chr2	99594127	99594127	+	1.124E-10	9.1551E-10	-0.24212	hypo	sig	chr2_99594127
chr2	1.76E+08	176083222	+	1.124E-10	9.1605E-10	0.224493	hyper	sig	chr2_176083222
chr12	1.14E+08	114488279	+	1.125E-10	9.1621E-10	0.26508	hyper	sig	chr12_114488279

chr7	20777075	20777075	+	1.125E-10	9.1631E-10	0.231066	hyper	sig	chr7_20777075
chr15	45378820	45378820	+	1.126E-10	9.1708E-10	0.215855	hyper	sig	chr15_45378820
chr22	36912381	36912381	+	1.126E-10	9.176E-10	0.23796	hyper	sig	chr22_36912381
chr7	97020919	97020919	+	1.128E-10	9.1904E-10	0.227679	hyper	sig	chr7_97020919
chr16	88678315	88678315	+	1.129E-10	9.1948E-10	0.236046	hyper	sig	chr16_88678315
chr2	25822291	25822291	+	1.129E-10	9.1961E-10	0.257433	hyper	sig	chr2_25822291
chr7	54550024	54550024	+	1.129E-10	9.1992E-10	-0.24044	hypo	sig	chr7_54550024
chr4	1509799	1509799	+	1.13E-10	9.1998E-10	-0.20897	hypo	sig	chr4_1509799
chr4	1.47E+08	146633110	+	1.13E-10	9.2047E-10	0.317151	hyper	sig	chr4_146633110
chr16	66579431	66579431	+	1.13E-10	9.2067E-10	0.217016	hyper	sig	chr16_66579431
chr17	48605685	48605685	+	1.131E-10	9.2124E-10	-0.24827	hypo	sig	chr17_48605685
chr9	95512583	95512583	+	1.132E-10	9.2151E-10	-0.22026	hypo	sig	chr9_95512583
chr4	6329568	6329568	+	1.132E-10	9.2189E-10	-0.23101	hypo	sig	chr4_6329568
chr5	88667847	88667847	+	1.133E-10	9.2239E-10	0.271156	hyper	sig	chr5_88667847
chr12	53936608	53936608	+	1.133E-10	9.2242E-10	0.310062	hyper	sig	chr12_53936608
chr1	3366163	3366163	+	1.133E-10	9.2286E-10	0.205882	hyper	sig	chr1_3366163
chr11	64207388	64207388	+	1.133E-10	9.2289E-10	-0.23518	hypo	sig	chr11_64207388
chr12	1.32E+08	131827660	+	1.134E-10	9.2309E-10	0.210139	hyper	sig	chr12_131827660
chr6	30102571	30102571	+	1.134E-10	9.2326E-10	-0.21723	hypo	sig	chr6_30102571
chr1	6466056	6466056	+	1.134E-10	9.2344E-10	0.212008	hyper	sig	chr1_6466056
chr14	85531125	85531125	+	1.134E-10	9.2379E-10	0.202289	hyper	sig	chr14_85531125
chr14	1.02E+08	102321244	+	1.135E-10	9.2425E-10	-0.2135	hypo	sig	chr14_102321244
chr20	63736359	63736359	+	1.136E-10	9.2499E-10	-0.22619	hypo	sig	chr20_63736359
chr19	55080093	55080093	+	1.136E-10	9.2501E-10	-0.23656	hypo	sig	chr19_55080093
chr22	16602931	16602931	+	1.136E-10	9.2533E-10	0.234844	hyper	sig	chr22_16602931
chr16	3180770	3180770	+	1.137E-10	9.2576E-10	0.25152	hyper	sig	chr16_3180770
chr12	1.32E+08	131897151	+	1.137E-10	9.2577E-10	0.200743	hyper	sig	chr12_131897151
chr5	2756296	2756296	+	1.137E-10	9.2601E-10	0.296384	hyper	sig	chr5_2756296
chr19	12513928	12513928	+	1.138E-10	9.2623E-10	0.225481	hyper	sig	chr19_12513928
chr20	33687181	33687181	+	1.14E-10	9.2838E-10	-0.24632	hypo	sig	chr20_33687181
chr11	1.25E+08	125496744	+	1.141E-10	9.2872E-10	0.272052	hyper	sig	chr11_125496744
chr11	65640974	65640974	+	1.141E-10	9.2891E-10	-0.20459	hypo	sig	chr11_65640974
chr16	66400239	66400239	+	1.142E-10	9.3E-10	-0.21624	hypo	sig	chr16_66400239
chr5	15935574	15935574	+	1.143E-10	9.3047E-10	-0.20568	hypo	sig	chr5_15935574
chr14	1.04E+08	104141995	+	1.144E-10	9.3103E-10	-0.20614	hypo	sig	chr14_104141995
chr19	5048803	5048803	+	1.144E-10	9.3104E-10	0.305565	hyper	sig	chr19_5048803
chr8	1.45E+08	144714037	+	1.144E-10	9.3111E-10	0.274936	hyper	sig	chr8_144714037
chr3	1.39E+08	138940188	+	1.144E-10	9.3113E-10	0.23723	hyper	sig	chr3_138940188
chr6	42554193	42554193	+	1.145E-10	9.3199E-10	0.254278	hyper	sig	chr6_42554193
chr9	41266840	41266840	+	1.146E-10	9.33E-10	0.228921	hyper	sig	chr9_41266840
chr6	1.68E+08	167746643	+	1.146E-10	9.3313E-10	0.238061	hyper	sig	chr6_167746643
chr10	1150707	1150707	+	1.147E-10	9.3359E-10	-0.20977	hypo	sig	chr10_1150707
chr12	9449623	9449623	+	1.147E-10	9.3375E-10	0.221828	hyper	sig	chr12_9449623
chr19	52451426	52451426	+	1.147E-10	9.3375E-10	0.26741	hyper	sig	chr19_52451426
chr13	1.12E+08	111548309	+	1.148E-10	9.3448E-10	-0.20651	hypo	sig	chr13_111548309
chr11	18412310	18412310	+	1.149E-10	9.353E-10	0.257687	hyper	sig	chr11_18412310
chr21	44463927	44463927	+	1.15E-10	9.3561E-10	0.221646	hyper	sig	chr21_44463927
chr2	74526207	74526207	+	1.15E-10	9.3597E-10	-0.20111	hypo	sig	chr2_74526207
chr2	74148419	74148419	+	1.15E-10	9.3621E-10	0.261354	hyper	sig	chr2_74148419
chr2	3595044	3595044	+	1.153E-10	9.3818E-10	0.22441	hyper	sig	chr2_3595044
chr16	1112581	1112581	+	1.154E-10	9.3944E-10	-0.26198	hypo	sig	chr16_1112581
chr5	2132265	2132265	+	1.155E-10	9.3966E-10	-0.29532	hypo	sig	chr5_2132265
chr6	33172619	33172619	+	1.156E-10	9.4061E-10	-0.22042	hypo	sig	chr6_33172619
chr17	79890221	79890221	+	1.156E-10	9.4095E-10	0.20338	hyper	sig	chr17_79890221
chr19	46304491	46304491	+	1.157E-10	9.4184E-10	-0.23643	hypo	sig	chr19_46304491
chr22	49850036	49850036	+	1.158E-10	9.4198E-10	0.269123	hyper	sig	chr22_49850036

chr17	7855476	7855476	+	1.158E-10	9.4202E-10	0.276648	hyper	sig	chr17_7855476
chr13	1.14E+08	113999406	+	1.158E-10	9.4215E-10	-0.22157	hypo	sig	chr13_113999406
chr2	1.74E+08	174328131	+	1.158E-10	9.4259E-10	0.208301	hyper	sig	chr2_174328131
chr12	1.31E+08	130918505	+	1.159E-10	9.4264E-10	-0.24823	hypo	sig	chr12_130918505
chr20	21520728	21520728	+	1.159E-10	9.4283E-10	0.242614	hyper	sig	chr20_21520728
chr16	48492908	48492908	+	1.159E-10	9.4291E-10	-0.20017	hypo	sig	chr16_48492908
chr1	1457026	1457026	+	1.16E-10	9.4348E-10	-0.23872	hypo	sig	chr1_1457026
chr1	1.61E+08	161379219	+	1.16E-10	9.4353E-10	0.204297	hyper	sig	chr1_161379219
chr1	27357400	27357400	+	1.162E-10	9.4498E-10	0.202381	hyper	sig	chr1_27357400
chr13	99997538	99997538	+	1.162E-10	9.4498E-10	0.233442	hyper	sig	chr13_99997538
chr5	1.41E+08	141094815	+	1.162E-10	9.4536E-10	0.251696	hyper	sig	chr5_141094815
chr11	1.25E+08	125496694	+	1.163E-10	9.4572E-10	0.218037	hyper	sig	chr11_125496694
chr11	20671360	20671360	+	1.163E-10	9.4574E-10	0.214787	hyper	sig	chr11_20671360
chr1	12031402	12031402	+	1.163E-10	9.4617E-10	0.228687	hyper	sig	chr1_12031402
chr19	58356387	58356387	+	1.163E-10	9.4628E-10	0.2361	hyper	sig	chr19_58356387
chr2	11670334	11670334	+	1.163E-10	9.4635E-10	0.220637	hyper	sig	chr2_11670334
chr16	89608396	89608396	+	1.164E-10	9.4648E-10	-0.20732	hypo	sig	chr16_89608396
chr10	79240161	79240161	+	1.164E-10	9.4679E-10	0.204114	hyper	sig	chr10_79240161
chr7	1675411	1675411	+	1.164E-10	9.4695E-10	-0.20143	hypo	sig	chr7_1675411
chr10	1.29E+08	129056167	+	1.164E-10	9.4696E-10	0.20775	hyper	sig	chr10_129056167
chr12	34305076	34305076	+	1.166E-10	9.4802E-10	-0.26205	hypo	sig	chr12_34305076
chr13	1.11E+08	110562897	+	1.167E-10	9.4912E-10	-0.27565	hypo	sig	chr13_110562897
chr20	62564793	62564793	+	1.169E-10	9.5055E-10	-0.27197	hypo	sig	chr20_62564793
chr1	3064075	3064075	+	1.169E-10	9.511E-10	0.200742	hyper	sig	chr1_3064075
chr17	1029460	1029460	+	1.17E-10	9.5116E-10	0.21298	hyper	sig	chr17_1029460
chr18	79529460	79529460	+	1.17E-10	9.513E-10	0.20303	hyper	sig	chr18_79529460
chr13	99988660	99988660	+	1.17E-10	9.5132E-10	0.227699	hyper	sig	chr13_99988660
chr13	1.12E+08	111923343	+	1.17E-10	9.5167E-10	-0.28868	hypo	sig	chr13_111923343
chr6	1.68E+08	167797241	+	1.17E-10	9.5178E-10	-0.21853	hypo	sig	chr6_167797241
chr5	1232521	1232521	+	1.17E-10	9.518E-10	-0.23838	hypo	sig	chr5_1232521
chr7	1.01E+08	100707070	+	1.171E-10	9.5263E-10	0.214661	hyper	sig	chr7_100707070
chr6	90610582	90610582	+	1.172E-10	9.532E-10	0.251294	hyper	sig	chr6_90610582
chr2	2.36E+08	235508946	+	1.173E-10	9.5413E-10	-0.20925	hypo	sig	chr2_235508946
chr10	25935029	25935029	+	1.174E-10	9.5433E-10	0.235503	hyper	sig	chr10_25935029
chr7	1.58E+08	157847237	+	1.174E-10	9.5491E-10	-0.22379	hypo	sig	chr7_157847237
chr6	34022023	34022023	+	1.175E-10	9.5503E-10	-0.29484	hypo	sig	chr6_34022023
chr5	19988520	19988520	+	1.175E-10	9.5515E-10	0.207095	hyper	sig	chr5_19988520
chr7	1.54E+08	153749021	+	1.175E-10	9.5556E-10	0.304274	hyper	sig	chr7_153749021
chr19	36152625	36152625	+	1.175E-10	9.5575E-10	0.270303	hyper	sig	chr19_36152625
chr7	4135492	4135492	+	1.176E-10	9.5587E-10	-0.21849	hypo	sig	chr7_4135492
chr21	46284289	46284289	+	1.176E-10	9.5646E-10	-0.24862	hypo	sig	chr21_46284289
chr16	89316483	89316483	+	1.176E-10	9.5651E-10	-0.20553	hypo	sig	chr16_89316483
chr10	1.33E+08	132975739	+	1.177E-10	9.5695E-10	0.244763	hyper	sig	chr10_132975739
chr15	60003122	60003122	+	1.178E-10	9.5755E-10	0.244253	hyper	sig	chr15_60003122
chr1	1.74E+08	173609932	+	1.181E-10	9.6024E-10	-0.23398	hypo	sig	chr1_173609932
chr1	2.28E+08	228471401	+	1.181E-10	9.6038E-10	0.228676	hyper	sig	chr1_228471401
chr19	35310328	35310328	+	1.181E-10	9.6039E-10	-0.22371	hypo	sig	chr19_35310328
chr19	18650518	18650518	+	1.182E-10	9.6064E-10	0.200462	hyper	sig	chr19_18650518
chr16	88414337	88414337	+	1.182E-10	9.6092E-10	-0.25759	hypo	sig	chr16_88414337
chr10	8043409	8043409	+	1.183E-10	9.614E-10	0.296133	hyper	sig	chr10_8043409
chr1	2291069	2291069	+	1.184E-10	9.622E-10	0.213105	hyper	sig	chr1_2291069
chr6	1.7E+08	170058531	+	1.184E-10	9.6236E-10	-0.28587	hypo	sig	chr6_170058531
chr10	1.34E+08	133529776	+	1.185E-10	9.6279E-10	0.248751	hyper	sig	chr10_133529776
chr2	1.54E+08	153871459	+	1.185E-10	9.629E-10	0.258563	hyper	sig	chr2_153871459
chr8	22690165	22690165	+	1.185E-10	9.6296E-10	0.231328	hyper	sig	chr8_22690165
chr16	24255599	24255599	+	1.185E-10	9.63E-10	0.248567	hyper	sig	chr16_24255599

chr14	68796787	68796787	+	1.186E-10	9.6365E-10	-0.20038	hypo	sig	chr14_68796787
chr9	98708042	98708042	+	1.186E-10	9.6391E-10	0.282381	hyper	sig	chr9_98708042
chr2	1.31E+08	131041277	+	1.187E-10	9.6454E-10	0.209561	hyper	sig	chr2_131041277
chr17	48541912	48541912	+	1.187E-10	9.6479E-10	0.278208	hyper	sig	chr17_48541912
chr14	60507743	60507743	+	1.188E-10	9.6517E-10	0.2028	hyper	sig	chr14_60507743
chr17	28718101	28718101	+	1.188E-10	9.6518E-10	0.237222	hyper	sig	chr17_28718101
chr15	78750698	78750698	+	1.188E-10	9.6526E-10	0.221756	hyper	sig	chr15_78750698
chr7	1.55E+08	155451504	+	1.189E-10	9.6597E-10	0.232334	hyper	sig	chr7_155451504
chr12	54019338	54019338	+	1.189E-10	9.6608E-10	0.269888	hyper	sig	chr12_54019338
chr10	86667633	86667633	+	1.189E-10	9.6628E-10	0.257267	hyper	sig	chr10_86667633
chr15	76345947	76345947	+	1.19E-10	9.6737E-10	-0.21387	hypo	sig	chr15_76345947
chr14	57866381	57866381	+	1.191E-10	9.679E-10	0.294201	hyper	sig	chr14_57866381
chr11	1.28E+08	128451854	+	1.191E-10	9.6808E-10	0.224708	hyper	sig	chr11_128451854
chr1	1.56E+08	156076744	+	1.192E-10	9.6869E-10	0.312319	hyper	sig	chr1_156076744
chr4	1599321	1599321	+	1.193E-10	9.6933E-10	-0.20953	hypo	sig	chr4_1599321
chr3	13021694	13021694	+	1.193E-10	9.6962E-10	-0.23364	hypo	sig	chr3_13021694
chr7	1.58E+08	157754127	+	1.194E-10	9.6984E-10	-0.21111	hypo	sig	chr7_157754127
chr19	36113686	36113686	+	1.194E-10	9.7015E-10	0.235809	hyper	sig	chr19_36113686
chr11	1.23E+08	123431435	+	1.195E-10	9.7065E-10	0.215205	hyper	sig	chr11_123431435
chr8	1958431	1958431	+	1.196E-10	9.714E-10	0.247475	hyper	sig	chr8_1958431
chr10	1.22E+08	121649117	+	1.196E-10	9.7162E-10	-0.20457	hypo	sig	chr10_121649117
chr7	1.51E+08	150946827	+	1.199E-10	9.7369E-10	-0.25497	hypo	sig	chr7_150946827
chr17	63997964	63997964	+	1.199E-10	9.7385E-10	0.239946	hyper	sig	chr17_63997964
chr8	21909761	21909761	+	1.199E-10	9.7385E-10	-0.2264	hypo	sig	chr8_21909761
chr11	1.34E+08	134152821	+	1.199E-10	9.7388E-10	0.220251	hyper	sig	chr11_134152821
chr9	1.09E+08	109167474	+	1.199E-10	9.7395E-10	0.219329	hyper	sig	chr9_109167474
chr1	2.37E+08	236686173	+	1.201E-10	9.7526E-10	0.216861	hyper	sig	chr1_236686173
chr20	57261140	57261140	+	1.202E-10	9.7642E-10	0.220232	hyper	sig	chr20_57261140
chr2	26642381	26642381	+	1.202E-10	9.7658E-10	-0.21939	hypo	sig	chr2_26642381
chr8	927379	927379	+	1.203E-10	9.7691E-10	-0.22289	hypo	sig	chr8_927379
chr17	48725065	48725065	+	1.205E-10	9.7867E-10	0.278012	hyper	sig	chr17_48725065
chr12	34386739	34386739	+	1.206E-10	9.7914E-10	-0.25955	hypo	sig	chr12_34386739
chr1	1.19E+08	118983773	+	1.206E-10	9.7973E-10	0.257544	hyper	sig	chr1_118983773
chr1	17579896	17579896	+	1.208E-10	9.8086E-10	-0.23312	hypo	sig	chr1_17579896
chr12	6824438	6824438	+	1.208E-10	9.8086E-10	-0.20319	hypo	sig	chr12_6824438
chr4	92304006	92304006	+	1.208E-10	9.8114E-10	0.205134	hyper	sig	chr4_92304006
chr10	1.33E+08	132984103	+	1.209E-10	9.8194E-10	0.221137	hyper	sig	chr10_132984103
chr19	33235871	33235871	+	1.209E-10	9.8214E-10	-0.25146	hypo	sig	chr19_33235871
chr2	38075200	38075200	+	1.211E-10	9.8304E-10	0.337728	hyper	sig	chr2_38075200
chr5	1.73E+08	173245532	+	1.211E-10	9.8304E-10	0.231997	hyper	sig	chr5_173245532
chr18	78977327	78977327	+	1.211E-10	9.8312E-10	0.262842	hyper	sig	chr18_78977327
chr1	47711083	47711083	+	1.213E-10	9.8482E-10	0.233998	hyper	sig	chr1_47711083
chr14	28768325	28768325	+	1.214E-10	9.8537E-10	0.233708	hyper	sig	chr14_28768325
chr19	4548364	4548364	+	1.214E-10	9.8548E-10	-0.25146	hypo	sig	chr19_4548364
chr7	1.58E+08	157683830	+	1.214E-10	9.8556E-10	0.24724	hyper	sig	chr7_157683830
chr17	77421058	77421058	+	1.215E-10	9.8629E-10	0.268054	hyper	sig	chr17_77421058
chr5	1.36E+08	135578689	+	1.215E-10	9.8653E-10	0.259755	hyper	sig	chr5_135578689
chr14	56817835	56817835	+	1.215E-10	9.8654E-10	0.256658	hyper	sig	chr14_56817835
chr11	1.25E+08	125350602	+	1.217E-10	9.8837E-10	-0.29066	hypo	sig	chr11_125350602
chr19	36776087	36776087	+	1.218E-10	9.8852E-10	0.301349	hyper	sig	chr19_36776087
chr19	2295066	2295066	+	1.218E-10	9.8883E-10	0.214384	hyper	sig	chr19_2295066
chr19	40624044	40624044	+	1.218E-10	9.8886E-10	-0.20987	hypo	sig	chr19_40624044
chr20	63306179	63306179	+	1.219E-10	9.8946E-10	-0.24892	hypo	sig	chr20_63306179
chr7	44145758	44145758	+	1.219E-10	9.8946E-10	0.352564	hyper	sig	chr7_44145758
chr9	1.36E+08	136348894	+	1.219E-10	9.8947E-10	-0.24929	hypo	sig	chr9_136348894
chr3	70000180	70000180	+	1.219E-10	9.8952E-10	-0.22989	hypo	sig	chr3_70000180

chr5	77638495	77638495	+	1.22E-10	9.9054E-10	0.248571	hyper	sig	chr5_77638495
chr2	1.71E+08	170815003	+	1.22E-10	9.9064E-10	0.225589	hyper	sig	chr2_170815003
chr12	57236566	57236566	+	1.221E-10	9.9132E-10	0.245397	hyper	sig	chr12_57236566
chr6	71588775	71588775	+	1.222E-10	9.9204E-10	0.256985	hyper	sig	chr6_71588775
chr3	1.85E+08	184769942	+	1.223E-10	9.9241E-10	-0.23193	hypo	sig	chr3_184769942
chr2	88284076	88284076	+	1.223E-10	9.9254E-10	0.272311	hyper	sig	chr2_88284076
chr22	43129365	43129365	+	1.224E-10	9.9304E-10	-0.21175	hypo	sig	chr22_43129365
chr11	1.23E+08	123195985	+	1.224E-10	9.9331E-10	0.259384	hyper	sig	chr11_123195985
chr13	22936029	22936029	+	1.224E-10	9.9338E-10	-0.21529	hypo	sig	chr13_22936029
chr16	1708030	1708030	+	1.224E-10	9.934E-10	0.208091	hyper	sig	chr16_1708030
chr7	1.39E+08	138664101	+	1.226E-10	9.9456E-10	0.241997	hyper	sig	chr7_138664101
chr1	2342130	2342130	+	1.226E-10	9.9489E-10	-0.23452	hypo	sig	chr1_2342130
chr12	1.24E+08	124445502	+	1.226E-10	9.9493E-10	0.282026	hyper	sig	chr12_124445502
chr11	33861808	33861808	+	1.226E-10	9.9504E-10	-0.20511	hypo	sig	chr11_33861808
chr14	68628863	68628863	+	1.227E-10	9.9555E-10	-0.22491	hypo	sig	chr14_68628863
chr7	4148127	4148127	+	1.227E-10	9.9574E-10	-0.24435	hypo	sig	chr7_4148127
chr9	35676242	35676242	+	1.229E-10	9.9688E-10	0.251188	hyper	sig	chr9_35676242
chr7	1.58E+08	157729681	+	1.229E-10	9.9717E-10	-0.23136	hypo	sig	chr7_157729681
chr1	1.48E+08	148246734	+	1.229E-10	9.9744E-10	0.206994	hyper	sig	chr1_148246734
chr3	1.31E+08	130517511	+	1.23E-10	9.9806E-10	0.311913	hyper	sig	chr3_130517511
chr15	52530261	52530261	+	1.23E-10	9.9812E-10	0.213721	hyper	sig	chr15_52530261
chr19	19514455	19514455	+	1.23E-10	9.9829E-10	0.264152	hyper	sig	chr19_19514455
chr10	1.32E+08	132203235	+	1.231E-10	9.9887E-10	-0.22452	hypo	sig	chr10_132203235
chr7	1096109	1096109	+	1.231E-10	9.9892E-10	0.207172	hyper	sig	chr7_1096109
chr3	1.83E+08	183429163	+	1.233E-10	1.0002E-09	0.261078	hyper	sig	chr3_183429163
chr14	36654524	36654524	+	1.233E-10	1.0006E-09	0.208111	hyper	sig	chr14_36654524
chr16	30474230	30474230	+	1.234E-10	1.0007E-09	0.250971	hyper	sig	chr16_30474230
chr1	2327870	2327870	+	1.234E-10	1.0009E-09	-0.23895	hypo	sig	chr1_2327870
chr15	37102497	37102497	+	1.234E-10	1.001E-09	0.273533	hyper	sig	chr15_37102497
chr3	26622757	26622757	+	1.234E-10	1.0013E-09	0.226633	hyper	sig	chr3_26622757
chr1	1.11E+08	110553365	+	1.235E-10	1.0017E-09	-0.23505	hypo	sig	chr1_110553365
chr8	1.02E+08	102123340	+	1.236E-10	1.0022E-09	0.234678	hyper	sig	chr8_102123340
chr19	22520493	22520493	+	1.236E-10	1.0028E-09	-0.29864	hypo	sig	chr19_22520493
chr8	1.02E+08	102123345	+	1.238E-10	1.0037E-09	0.242191	hyper	sig	chr8_102123345
chr7	65731924	65731924	+	1.238E-10	1.0038E-09	0.268234	hyper	sig	chr7_65731924
chr15	96368828	96368828	+	1.239E-10	1.0048E-09	0.25741	hyper	sig	chr15_96368828
chr19	45386206	45386206	+	1.239E-10	1.0048E-09	0.268128	hyper	sig	chr19_45386206
chr4	4862358	4862358	+	1.24E-10	1.006E-09	0.263238	hyper	sig	chr4_4862358
chr1	1.52E+08	152108769	+	1.241E-10	1.0062E-09	0.302683	hyper	sig	chr1_152108769
chr14	37622240	37622240	+	1.241E-10	1.0063E-09	0.218076	hyper	sig	chr14_37622240
chr4	1.54E+08	154490474	+	1.241E-10	1.0066E-09	0.242205	hyper	sig	chr4_154490474
chr2	96762104	96762104	+	1.242E-10	1.0074E-09	-0.22166	hypo	sig	chr2_96762104
chr16	3055896	3055896	+	1.242E-10	1.0074E-09	0.221572	hyper	sig	chr16_3055896
chr9	1.31E+08	130666738	+	1.244E-10	1.0084E-09	0.201224	hyper	sig	chr9_130666738
chr16	67885062	67885062	+	1.244E-10	1.0085E-09	0.282104	hyper	sig	chr16_67885062
chr7	4971767	4971767	+	1.244E-10	1.009E-09	-0.25537	hypo	sig	chr7_4971767
chr19	3039783	3039783	+	1.246E-10	1.0099E-09	-0.21714	hypo	sig	chr19_3039783
chr11	1.19E+08	119339600	+	1.246E-10	1.0102E-09	0.209393	hyper	sig	chr11_119339600
chr4	7478189	7478189	+	1.247E-10	1.0114E-09	-0.26875	hypo	sig	chr4_7478189
chr10	1.33E+08	133180682	+	1.248E-10	1.0117E-09	0.207545	hyper	sig	chr10_133180682
chr20	21020403	21020403	+	1.248E-10	1.0118E-09	0.258193	hyper	sig	chr20_21020403
chr19	3039751	3039751	+	1.249E-10	1.0123E-09	-0.20369	hypo	sig	chr19_3039751
chr19	29524899	29524899	+	1.249E-10	1.0127E-09	0.22009	hyper	sig	chr19_29524899
chr19	6271873	6271873	+	1.249E-10	1.013E-09	0.287	hyper	sig	chr19_6271873
chr15	74434323	74434323	+	1.25E-10	1.0132E-09	0.221949	hyper	sig	chr15_74434323
chr10	413761	413761	+	1.252E-10	1.0149E-09	-0.26012	hypo	sig	chr10_413761

chr5	1.81E+08	180684966	+	1.253E-10	1.0157E-09	-0.2075	hypo	sig	chr5_180684966
chr10	1.03E+08	103277948	+	1.253E-10	1.016E-09	0.242978	hyper	sig	chr10_103277948
chr5	6766479	6766479	+	1.255E-10	1.0169E-09	-0.22701	hypo	sig	chr5_6766479
chr10	1.19E+08	118595603	+	1.255E-10	1.017E-09	0.24056	hyper	sig	chr10_118595603
chr15	24848374	24848374	+	1.255E-10	1.0172E-09	0.258789	hyper	sig	chr15_24848374
chr22	50017303	50017303	+	1.257E-10	1.0188E-09	-0.22342	hypo	sig	chr22_50017303
chr7	64574652	64574652	+	1.258E-10	1.0194E-09	0.210592	hyper	sig	chr7_64574652
chr16	55324160	55324160	+	1.26E-10	1.0209E-09	0.238938	hyper	sig	chr16_55324160
chr6	30453304	30453304	+	1.261E-10	1.0219E-09	0.244258	hyper	sig	chr6_30453304
chr16	87395578	87395578	+	1.261E-10	1.0222E-09	0.204962	hyper	sig	chr16_87395578
chr4	336342	336342	+	1.261E-10	1.0222E-09	0.206064	hyper	sig	chr4_336342
chr5	1.7E+08	170106343	+	1.262E-10	1.0223E-09	-0.23834	hypo	sig	chr5_170106343
chr16	3029865	3029865	+	1.262E-10	1.0229E-09	0.203103	hyper	sig	chr16_3029865
chr18	80246283	80246283	+	1.263E-10	1.0232E-09	0.230874	hyper	sig	chr18_80246283
chr3	48580447	48580447	+	1.265E-10	1.025E-09	-0.34258	hypo	sig	chr3_48580447
chr11	3223135	3223135	+	1.265E-10	1.0252E-09	-0.28974	hypo	sig	chr11_3223135
chr15	63909885	63909885	+	1.266E-10	1.0255E-09	0.245701	hyper	sig	chr15_63909885
chr5	3605696	3605696	+	1.266E-10	1.0255E-09	0.236928	hyper	sig	chr5_3605696
chr7	1.01E+08	100707084	+	1.266E-10	1.0255E-09	0.218476	hyper	sig	chr7_100707084
chr21	33026500	33026500	+	1.266E-10	1.0256E-09	0.255125	hyper	sig	chr21_33026500
chr3	1.58E+08	158094234	+	1.266E-10	1.0256E-09	0.208497	hyper	sig	chr3_158094234
chr1	2.45E+08	245371519	+	1.266E-10	1.0257E-09	-0.22875	hypo	sig	chr1_245371519
chr5	33936571	33936571	+	1.266E-10	1.0261E-09	0.213223	hyper	sig	chr5_33936571
chr6	1.08E+08	108167480	+	1.269E-10	1.0279E-09	0.234016	hyper	sig	chr6_108167480
chr16	843139	843139	+	1.27E-10	1.0289E-09	-0.23999	hypo	sig	chr16_843139
chr9	118047	118047	+	1.27E-10	1.029E-09	0.358167	hyper	sig	chr9_118047
chr20	64106588	64106588	+	1.272E-10	1.0302E-09	-0.20531	hypo	sig	chr20_64106588
chr1	36320985	36320985	+	1.272E-10	1.0304E-09	0.258581	hyper	sig	chr1_36320985
chr14	26205212	26205212	+	1.273E-10	1.0314E-09	0.258983	hyper	sig	chr14_26205212
chr1	2.03E+08	203027104	+	1.274E-10	1.0323E-09	0.26214	hyper	sig	chr1_203027104
chr22	30267045	30267045	+	1.275E-10	1.0329E-09	-0.22214	hypo	sig	chr22_30267045
chr19	49043647	49043647	+	1.278E-10	1.0352E-09	-0.23522	hypo	sig	chr19_49043647
chr11	64001220	64001220	+	1.278E-10	1.0355E-09	0.226087	hyper	sig	chr11_64001220
chr19	51323779	51323779	+	1.279E-10	1.0356E-09	-0.27148	hypo	sig	chr19_51323779
chr16	362361	362361	+	1.279E-10	1.036E-09	-0.21074	hypo	sig	chr16_362361
chr2	1.76E+08	176117581	+	1.279E-10	1.036E-09	0.216039	hyper	sig	chr2_176117581
chr19	4566508	4566508	+	1.28E-10	1.037E-09	-0.26142	hypo	sig	chr19_4566508
chr16	71230548	71230548	+	1.281E-10	1.0372E-09	0.250741	hyper	sig	chr16_71230548
chr4	1.12E+08	112379505	+	1.282E-10	1.0378E-09	0.209106	hyper	sig	chr4_112379505
chr2	2.19E+08	219332000	+	1.282E-10	1.0381E-09	0.344348	hyper	sig	chr2_219332000
chr12	57236634	57236634	+	1.282E-10	1.0384E-09	0.227622	hyper	sig	chr12_57236634
chr4	9381045	9381045	+	1.283E-10	1.0388E-09	-0.22532	hypo	sig	chr4_9381045
chr2	1.27E+08	126772004	+	1.283E-10	1.0389E-09	-0.22049	hypo	sig	chr2_126772004
chr2	2.33E+08	232634961	+	1.283E-10	1.0392E-09	0.211242	hyper	sig	chr2_232634961
chr2	1.33E+08	132645335	+	1.285E-10	1.0401E-09	0.204671	hyper	sig	chr2_132645335
chr15	87952917	87952917	+	1.285E-10	1.0406E-09	-0.26475	hypo	sig	chr15_87952917
chr5	1.69E+08	168844597	+	1.285E-10	1.0408E-09	0.21001	hyper	sig	chr5_168844597
chr7	1.3E+08	130272956	+	1.286E-10	1.0409E-09	0.272946	hyper	sig	chr7_130272956
chr22	23462400	23462400	+	1.286E-10	1.041E-09	-0.32578	hypo	sig	chr22_23462400
chr10	97975155	97975155	+	1.288E-10	1.0425E-09	0.222883	hyper	sig	chr10_97975155
chr6	86937436	86937436	+	1.288E-10	1.0425E-09	0.294715	hyper	sig	chr6_86937436
chr20	63453221	63453221	+	1.288E-10	1.0425E-09	-0.23711	hypo	sig	chr20_63453221
chr16	85353944	85353944	+	1.288E-10	1.0426E-09	-0.20458	hypo	sig	chr16_85353944
chr16	1534499	1534499	+	1.288E-10	1.0426E-09	0.200451	hyper	sig	chr16_1534499
chr11	1.17E+08	117430166	+	1.288E-10	1.043E-09	-0.20621	hypo	sig	chr11_117430166
chr18	57441575	57441575	+	1.289E-10	1.0439E-09	0.239338	hyper	sig	chr18_57441575

chr1	2459262	2459262	+	1.29E-10	1.044E-09	-0.22047	hypo	sig	chr1_2459262
chr2	1.32E+08	131647035	+	1.29E-10	1.0445E-09	0.235889	hyper	sig	chr2_131647035
chr6	50843232	50843232	+	1.29E-10	1.0446E-09	0.223344	hyper	sig	chr6_50843232
chr3	27728957	27728957	+	1.291E-10	1.0452E-09	0.20135	hyper	sig	chr3_27728957
chr14	60655437	60655437	+	1.291E-10	1.0455E-09	0.29005	hyper	sig	chr14_60655437
chr4	1.47E+08	146654910	+	1.292E-10	1.0461E-09	0.299083	hyper	sig	chr4_146654910
chr7	1.57E+08	157002700	+	1.293E-10	1.0466E-09	0.285196	hyper	sig	chr7_157002700
chr4	7481873	7481873	+	1.294E-10	1.0471E-09	-0.24303	hypo	sig	chr4_7481873
chr15	69462430	69462430	+	1.294E-10	1.0472E-09	-0.24151	hypo	sig	chr15_69462430
chr2	2.39E+08	239062352	+	1.294E-10	1.0473E-09	-0.21972	hypo	sig	chr2_239062352
chr2	2.39E+08	239240004	+	1.294E-10	1.0475E-09	0.221852	hyper	sig	chr2_239240004
chr21	37675664	37675664	+	1.294E-10	1.0476E-09	0.209763	hyper	sig	chr21_37675664
chr4	96521330	96521330	+	1.294E-10	1.0477E-09	-0.20062	hypo	sig	chr4_96521330
chr8	1.43E+08	143272908	+	1.294E-10	1.0477E-09	-0.22235	hypo	sig	chr8_143272908
chr20	43189263	43189263	+	1.295E-10	1.0478E-09	0.260821	hyper	sig	chr20_43189263
chr16	31569584	31569584	+	1.296E-10	1.0489E-09	0.233738	hyper	sig	chr16_31569584
chr12	95957010	95957010	+	1.296E-10	1.0491E-09	0.20474	hyper	sig	chr12_95957010
chr12	49904151	49904151	+	1.297E-10	1.0501E-09	0.247126	hyper	sig	chr12_49904151
chr6	31582313	31582313	+	1.298E-10	1.0506E-09	-0.21068	hypo	sig	chr6_31582313
chr3	14290076	14290076	+	1.299E-10	1.0512E-09	-0.20199	hypo	sig	chr3_14290076
chr4	92304004	92304004	+	1.3E-10	1.0521E-09	0.21213	hyper	sig	chr4_92304004
chr1	1.19E+08	118987307	+	1.3E-10	1.0523E-09	0.291701	hyper	sig	chr1_118987307
chr3	51707312	51707312	+	1.3E-10	1.0523E-09	0.215085	hyper	sig	chr3_51707312
chr10	1.19E+08	119342040	+	1.3E-10	1.0524E-09	0.231862	hyper	sig	chr10_119342040
chr21	32586127	32586127	+	1.302E-10	1.0536E-09	-0.27056	hypo	sig	chr21_32586127
chr19	43699553	43699553	+	1.303E-10	1.0541E-09	0.207553	hyper	sig	chr19_43699553
chr6	84052230	84052230	+	1.303E-10	1.0547E-09	0.222965	hyper	sig	chr6_84052230
chr1	2.01E+08	200873752	+	1.303E-10	1.0547E-09	0.209596	hyper	sig	chr1_200873752
chr5	1.77E+08	177116794	+	1.304E-10	1.0551E-09	0.224764	hyper	sig	chr5_177116794
chr5	1549435	1549435	+	1.305E-10	1.0556E-09	-0.25208	hypo	sig	chr5_1549435
chr2	12718635	12718635	+	1.305E-10	1.0556E-09	0.218801	hyper	sig	chr2_12718635
chr8	18666377	18666377	+	1.305E-10	1.0556E-09	-0.22227	hypo	sig	chr8_18666377
chr13	24308876	24308876	+	1.306E-10	1.0565E-09	-0.23965	hypo	sig	chr13_24308876
chr21	45004771	45004771	+	1.306E-10	1.0568E-09	-0.23107	hypo	sig	chr21_45004771
chr2	2.19E+08	219250576	+	1.306E-10	1.0568E-09	-0.22274	hypo	sig	chr2_219250576
chr11	1514673	1514673	+	1.307E-10	1.0572E-09	0.216516	hyper	sig	chr11_1514673
chr5	1.8E+08	180090140	+	1.307E-10	1.0572E-09	0.254383	hyper	sig	chr5_180090140
chr10	79243864	79243864	+	1.307E-10	1.0576E-09	0.252565	hyper	sig	chr10_79243864
chr4	73870184	73870184	+	1.308E-10	1.0582E-09	-0.2155	hypo	sig	chr4_73870184
chr6	28447302	28447302	+	1.309E-10	1.0587E-09	0.240191	hyper	sig	chr6_28447302
chr12	1.32E+08	132409881	+	1.309E-10	1.059E-09	-0.2246	hypo	sig	chr12_132409881
chr10	52778523	52778523	+	1.312E-10	1.0616E-09	0.327439	hyper	sig	chr10_52778523
chr10	1.25E+08	125162636	+	1.313E-10	1.0618E-09	-0.22414	hypo	sig	chr10_125162636
chr11	67437642	67437642	+	1.313E-10	1.0622E-09	-0.20283	hypo	sig	chr11_67437642
chr6	33081032	33081032	+	1.314E-10	1.063E-09	0.278948	hyper	sig	chr6_33081032
chr7	1.06E+08	105962247	+	1.314E-10	1.0631E-09	-0.21454	hypo	sig	chr7_105962247
chr16	87438182	87438182	+	1.314E-10	1.0631E-09	0.200614	hyper	sig	chr16_87438182
chr20	58840271	58840271	+	1.315E-10	1.0633E-09	0.27162	hyper	sig	chr20_58840271
chr5	1.8E+08	179518582	+	1.315E-10	1.0639E-09	0.219949	hyper	sig	chr5_179518582
chr14	64541401	64541401	+	1.316E-10	1.0642E-09	0.248203	hyper	sig	chr14_64541401
chr17	47866984	47866984	+	1.316E-10	1.0646E-09	0.226044	hyper	sig	chr17_47866984
chr4	1.11E+08	110614441	+	1.317E-10	1.0649E-09	0.232538	hyper	sig	chr4_110614441
chr21	46140163	46140163	+	1.317E-10	1.065E-09	-0.26408	hypo	sig	chr21_46140163
chr9	1.37E+08	137138852	+	1.317E-10	1.0652E-09	0.289206	hyper	sig	chr9_137138852
chr6	1.68E+08	168001681	+	1.319E-10	1.0666E-09	-0.26404	hypo	sig	chr6_168001681
chr1	2.11E+08	210683832	+	1.319E-10	1.0666E-09	-0.21475	hypo	sig	chr1_210683832

chr3	42264990	42264990	+	1.319E-10	1.0666E-09	0.213948	hyper	sig	chr3_42264990
chr7	4845901	4845901	+	1.319E-10	1.0667E-09	-0.21576	hypo	sig	chr7_4845901
chr7	1.57E+08	157002667	+	1.319E-10	1.0668E-09	0.283609	hyper	sig	chr7_157002667
chr13	57629578	57629578	+	1.32E-10	1.0671E-09	0.275999	hyper	sig	chr13_57629578
chr6	10425279	10425279	+	1.323E-10	1.0702E-09	0.224007	hyper	sig	chr6_10425279
chr5	73232330	73232330	+	1.324E-10	1.0706E-09	0.229107	hyper	sig	chr5_73232330
chr19	11243725	11243725	+	1.324E-10	1.0709E-09	0.232811	hyper	sig	chr19_11243725
chr16	47713467	47713467	+	1.324E-10	1.071E-09	0.209766	hyper	sig	chr16_47713467
chr9	1.34E+08	134295483	+	1.325E-10	1.0711E-09	-0.28805	hypo	sig	chr9_134295483
chr21	27143819	27143819	+	1.325E-10	1.0712E-09	-0.20159	hypo	sig	chr21_27143819
chr19	34832483	34832483	+	1.325E-10	1.0712E-09	-0.22102	hypo	sig	chr19_34832483
chr13	22926178	22926178	+	1.325E-10	1.0713E-09	0.368292	hyper	sig	chr13_22926178
chr1	1.44E+08	143667579	+	1.325E-10	1.0717E-09	0.212791	hyper	sig	chr1_143667579
chr2	469856	469856	+	1.328E-10	1.0737E-09	-0.22105	hypo	sig	chr2_469856
chr6	1607272	1607272	+	1.328E-10	1.0737E-09	0.258586	hyper	sig	chr6_1607272
chr17	18007023	18007023	+	1.328E-10	1.0738E-09	0.20801	hyper	sig	chr17_18007023
chr1	2904041	2904041	+	1.329E-10	1.0748E-09	-0.23712	hypo	sig	chr1_2904041
chr7	1.4E+08	140232429	+	1.33E-10	1.0755E-09	-0.21532	hypo	sig	chr7_140232429
chr11	1832938	1832938	+	1.331E-10	1.0759E-09	0.213118	hyper	sig	chr11_1832938
chr12	66189016	66189016	+	1.332E-10	1.0769E-09	0.217578	hyper	sig	chr12_66189016
chr10	1.33E+08	133142799	+	1.334E-10	1.078E-09	-0.20735	hypo	sig	chr10_133142799
chr12	1.21E+08	120650484	+	1.334E-10	1.0781E-09	0.242361	hyper	sig	chr12_120650484
chr19	33297605	33297605	+	1.334E-10	1.0781E-09	-0.22564	hypo	sig	chr19_33297605
chr5	1.41E+08	141364905	+	1.335E-10	1.0788E-09	0.218559	hyper	sig	chr5_141364905
chr16	3009728	3009728	+	1.335E-10	1.0791E-09	-0.22391	hypo	sig	chr16_3009728
chr16	23409236	23409236	+	1.335E-10	1.0792E-09	0.210617	hyper	sig	chr16_23409236
chr12	40106795	40106795	+	1.337E-10	1.0806E-09	-0.2579	hypo	sig	chr12_40106795
chr9	1.37E+08	136693472	+	1.338E-10	1.0811E-09	-0.2603	hypo	sig	chr9_136693472
chr19	58204331	58204331	+	1.338E-10	1.0813E-09	0.269689	hyper	sig	chr19_58204331
chr1	1.45E+08	144552155	+	1.339E-10	1.082E-09	0.210538	hyper	sig	chr1_144552155
chr11	17736735	17736735	+	1.339E-10	1.0823E-09	0.237911	hyper	sig	chr11_17736735
chr1	3747253	3747253	+	1.341E-10	1.0834E-09	0.209649	hyper	sig	chr1_3747253
chr17	39665411	39665411	+	1.341E-10	1.0841E-09	0.211483	hyper	sig	chr17_39665411
chr2	1.06E+08	106343069	+	1.342E-10	1.0842E-09	-0.23188	hypo	sig	chr2_106343069
chr12	1.11E+08	111032868	+	1.342E-10	1.0843E-09	0.203624	hyper	sig	chr12_111032868
chr7	1.58E+08	157951633	+	1.342E-10	1.0844E-09	-0.20009	hypo	sig	chr7_157951633
chr11	1.29E+08	129372702	+	1.342E-10	1.0845E-09	0.227873	hyper	sig	chr11_129372702
chr11	18455793	18455793	+	1.344E-10	1.0857E-09	0.232225	hyper	sig	chr11_18455793
chr1	36178394	36178394	+	1.344E-10	1.0858E-09	0.225744	hyper	sig	chr1_36178394
chr20	64058851	64058851	+	1.345E-10	1.0868E-09	-0.26106	hypo	sig	chr20_64058851
chr21	41952766	41952766	+	1.346E-10	1.0874E-09	-0.29657	hypo	sig	chr21_41952766
chr11	20669689	20669689	+	1.346E-10	1.0874E-09	0.286855	hyper	sig	chr11_20669689
chr15	83285046	83285046	+	1.347E-10	1.0881E-09	0.24117	hyper	sig	chr15_83285046
chr10	1.04E+08	104352577	+	1.347E-10	1.0885E-09	-0.23606	hypo	sig	chr10_104352577
chr1	9654306	9654306	+	1.349E-10	1.0896E-09	-0.2308	hypo	sig	chr1_9654306
chr10	1.33E+08	132916805	+	1.349E-10	1.0902E-09	-0.2229	hypo	sig	chr10_132916805
chr1	2.24E+08	224175749	+	1.35E-10	1.0903E-09	0.268933	hyper	sig	chr1_224175749
chr1	3593148	3593148	+	1.35E-10	1.0904E-09	-0.23634	hypo	sig	chr1_3593148
chr1	1.98E+08	197920521	+	1.35E-10	1.0904E-09	0.218082	hyper	sig	chr1_197920521
chr6	32148335	32148335	+	1.35E-10	1.0904E-09	0.237634	hyper	sig	chr6_32148335
chr12	34302539	34302539	+	1.351E-10	1.0916E-09	-0.28	hypo	sig	chr12_34302539
chr6	1625222	1625222	+	1.352E-10	1.0923E-09	0.206105	hyper	sig	chr6_1625222
chr3	1.82E+08	181720334	+	1.353E-10	1.0926E-09	0.212557	hyper	sig	chr3_181720334
chr6	41375930	41375930	+	1.353E-10	1.0927E-09	0.20738	hyper	sig	chr6_41375930
chr1	57423372	57423372	+	1.354E-10	1.094E-09	0.214955	hyper	sig	chr1_57423372
chr5	1.77E+08	176619172	+	1.356E-10	1.0949E-09	0.274531	hyper	sig	chr5_176619172

chr11	1.12E+08	111513524	+	1.357E-10	1.0956E-09	-0.20268	hypo	sig	chr11_111513524
chr17	2930454	2930454	+	1.357E-10	1.0956E-09	-0.22991	hypo	sig	chr17_2930454
chr15	37095124	37095124	+	1.357E-10	1.0963E-09	0.258243	hyper	sig	chr15_37095124
chr19	12648210	12648210	+	1.358E-10	1.0964E-09	0.236157	hyper	sig	chr19_12648210
chr3	49718964	49718964	+	1.358E-10	1.0964E-09	0.227284	hyper	sig	chr3_49718964
chr16	29877456	29877456	+	1.359E-10	1.0972E-09	0.236363	hyper	sig	chr16_29877456
chr16	85349146	85349146	+	1.359E-10	1.0975E-09	-0.23992	hypo	sig	chr16_85349146
chr10	1150832	1150832	+	1.36E-10	1.0985E-09	-0.22331	hypo	sig	chr10_1150832
chr12	1.32E+08	132347017	+	1.361E-10	1.0988E-09	-0.21983	hypo	sig	chr12_132347017
chr7	57404862	57404862	+	1.361E-10	1.099E-09	0.236506	hyper	sig	chr7_57404862
chr1	3142726	3142726	+	1.361E-10	1.099E-09	0.206877	hyper	sig	chr1_3142726
chr11	1.29E+08	128803591	+	1.362E-10	1.0995E-09	-0.21749	hypo	sig	chr11_128803591
chr5	1.71E+08	171308166	+	1.363E-10	1.1005E-09	0.201274	hyper	sig	chr5_171308166
chr22	45867781	45867781	+	1.365E-10	1.1019E-09	0.248601	hyper	sig	chr22_45867781
chr4	82274894	82274894	+	1.365E-10	1.102E-09	-0.20883	hypo	sig	chr4_82274894
chr6	1.08E+08	108168070	+	1.365E-10	1.1024E-09	0.23149	hyper	sig	chr6_108168070
chr6	1.37E+08	137496200	+	1.366E-10	1.1028E-09	0.287805	hyper	sig	chr6_137496200
chr4	13541040	13541040	+	1.367E-10	1.104E-09	0.286982	hyper	sig	chr4_13541040
chr13	87674420	87674420	+	1.368E-10	1.1042E-09	0.209895	hyper	sig	chr13_87674420
chr18	79785157	79785157	+	1.369E-10	1.1049E-09	-0.21657	hypo	sig	chr18_79785157
chr14	75979809	75979809	+	1.369E-10	1.1052E-09	0.2115	hyper	sig	chr14_75979809
chr1	3073532	3073532	+	1.369E-10	1.1054E-09	0.208493	hyper	sig	chr1_3073532
chr1	37035191	37035191	+	1.37E-10	1.106E-09	0.303251	hyper	sig	chr1_37035191
chr17	39607865	39607865	+	1.371E-10	1.1067E-09	0.23466	hyper	sig	chr17_39607865
chr1	16227880	16227880	+	1.371E-10	1.1069E-09	0.272859	hyper	sig	chr1_16227880
chr11	99019795	99019795	+	1.372E-10	1.1072E-09	0.236736	hyper	sig	chr11_99019795
chr10	1403155	1403155	+	1.372E-10	1.1076E-09	-0.24394	hypo	sig	chr10_1403155
chr19	39515983	39515983	+	1.374E-10	1.1091E-09	0.269081	hyper	sig	chr19_39515983
chr1	47433496	47433496	+	1.374E-10	1.1095E-09	0.270145	hyper	sig	chr1_47433496
chr16	23836654	23836654	+	1.376E-10	1.1109E-09	0.253397	hyper	sig	chr16_23836654
chr8	1.03E+08	103140526	+	1.379E-10	1.1127E-09	0.304763	hyper	sig	chr8_103140526
chr7	1348994	1348994	+	1.379E-10	1.113E-09	-0.21532	hypo	sig	chr7_1348994
chr15	64776458	64776458	+	1.38E-10	1.1138E-09	0.256587	hyper	sig	chr15_64776458
chr15	89743435	89743435	+	1.38E-10	1.1138E-09	-0.2198	hypo	sig	chr15_89743435
chr15	83285096	83285096	+	1.38E-10	1.1139E-09	0.226776	hyper	sig	chr15_83285096
chr17	35448736	35448736	+	1.38E-10	1.114E-09	0.206852	hyper	sig	chr17_35448736
chr1	2.28E+08	227927780	+	1.382E-10	1.115E-09	-0.29342	hypo	sig	chr1_227927780
chr12	47838575	47838575	+	1.382E-10	1.1153E-09	0.206172	hyper	sig	chr12_47838575
chr13	52405661	52405661	+	1.384E-10	1.1166E-09	0.200347	hyper	sig	chr13_52405661
chr3	1.28E+08	128492120	+	1.384E-10	1.1166E-09	0.213685	hyper	sig	chr3_128492120
chr20	51802654	51802654	+	1.384E-10	1.1167E-09	-0.21249	hypo	sig	chr20_51802654
chr17	48546331	48546331	+	1.384E-10	1.1167E-09	0.214819	hyper	sig	chr17_48546331
chr5	1.74E+08	174311266	+	1.384E-10	1.1167E-09	-0.27533	hypo	sig	chr5_174311266
chr1	16520998	16520998	+	1.384E-10	1.117E-09	0.243969	hyper	sig	chr1_16520998
chr1	1965143	1965143	+	1.385E-10	1.1174E-09	-0.22322	hypo	sig	chr1_1965143
chr6	10381531	10381531	+	1.385E-10	1.1175E-09	0.207639	hyper	sig	chr6_10381531
chr19	755284	755284	+	1.385E-10	1.1178E-09	-0.24981	hypo	sig	chr19_755284
chr10	1.3E+08	129946212	+	1.385E-10	1.1179E-09	0.213616	hyper	sig	chr10_129946212
chr15	57307367	57307367	+	1.386E-10	1.1181E-09	-0.26049	hypo	sig	chr15_57307367
chr1	1.44E+08	143698046	+	1.386E-10	1.1185E-09	0.209402	hyper	sig	chr1_143698046
chr1	1.5E+08	150151011	+	1.387E-10	1.1189E-09	0.206897	hyper	sig	chr1_150151011
chr11	77039140	77039140	+	1.389E-10	1.1203E-09	-0.23376	hypo	sig	chr11_77039140
chr19	39515974	39515974	+	1.389E-10	1.1203E-09	0.267687	hyper	sig	chr19_39515974
chr7	1.53E+08	152924930	+	1.389E-10	1.1205E-09	0.26389	hyper	sig	chr7_152924930
chr4	785638	785638	+	1.391E-10	1.1221E-09	0.241647	hyper	sig	chr4_785638
chr3	1.31E+08	130517716	+	1.392E-10	1.1227E-09	0.277733	hyper	sig	chr3_130517716

chr10	1.01E+08	100713383	+	1.393E-10	1.1235E-09	0.215123	hyper	sig	chr10_100713383
chr5	3606445	3606445	+	1.393E-10	1.1237E-09	0.235046	hyper	sig	chr5_3606445
chr11	76186370	76186370	+	1.395E-10	1.1253E-09	0.231816	hyper	sig	chr11_76186370
chr16	87497657	87497657	+	1.397E-10	1.127E-09	-0.21801	hypo	sig	chr16_87497657
chr20	63948428	63948428	+	1.398E-10	1.1275E-09	0.23371	hyper	sig	chr20_63948428
chr16	67406410	67406410	+	1.398E-10	1.1276E-09	0.225695	hyper	sig	chr16_67406410
chr19	47613564	47613564	+	1.4E-10	1.1287E-09	0.298939	hyper	sig	chr19_47613564
chr6	1608323	1608323	+	1.4E-10	1.1293E-09	0.221621	hyper	sig	chr6_1608323
chr6	31186157	31186157	+	1.401E-10	1.1301E-09	-0.20527	hypo	sig	chr6_31186157
chr19	5915014	5915014	+	1.402E-10	1.1303E-09	0.237414	hyper	sig	chr19_5915014
chr10	1.33E+08	133102218	+	1.403E-10	1.1311E-09	-0.23895	hypo	sig	chr10_133102218
chr16	89066532	89066532	+	1.403E-10	1.1314E-09	0.268443	hyper	sig	chr16_89066532
chr10	27413599	27413599	+	1.404E-10	1.1318E-09	0.222088	hyper	sig	chr10_27413599
chr1	1631752	1631752	+	1.405E-10	1.1328E-09	0.205189	hyper	sig	chr1_1631752
chr10	1.01E+08	101218231	+	1.406E-10	1.1336E-09	0.221747	hyper	sig	chr10_101218231
chr14	75470044	75470044	+	1.407E-10	1.1344E-09	0.221428	hyper	sig	chr14_75470044
chr16	54931956	54931956	+	1.408E-10	1.1348E-09	0.246025	hyper	sig	chr16_54931956
chr16	85643337	85643337	+	1.408E-10	1.1353E-09	-0.22924	hypo	sig	chr16_85643337
chr2	70904499	70904499	+	1.409E-10	1.1356E-09	0.21665	hyper	sig	chr2_70904499
chr7	1620092	1620092	+	1.41E-10	1.1366E-09	-0.21231	hypo	sig	chr7_1620092
chr19	12513585	12513585	+	1.41E-10	1.1366E-09	0.332333	hyper	sig	chr19_12513585
chr7	1.51E+08	151448181	+	1.41E-10	1.1368E-09	0.222808	hyper	sig	chr7_151448181
chr10	23201022	23201022	+	1.411E-10	1.1376E-09	0.208482	hyper	sig	chr10_23201022
chr15	67064358	67064358	+	1.414E-10	1.1399E-09	-0.20946	hypo	sig	chr15_67064358
chr11	66421240	66421240	+	1.415E-10	1.1403E-09	0.25501	hyper	sig	chr11_66421240
chr6	71588777	71588777	+	1.416E-10	1.1416E-09	0.253935	hyper	sig	chr6_71588777
chr3	1.28E+08	128075988	+	1.418E-10	1.1431E-09	0.212718	hyper	sig	chr3_128075988
chr5	84384508	84384508	+	1.418E-10	1.1433E-09	0.202176	hyper	sig	chr5_84384508
chr1	2.35E+08	234589076	+	1.419E-10	1.1435E-09	-0.21544	hypo	sig	chr1_234589076
chr22	19762487	19762487	+	1.419E-10	1.1437E-09	-0.22849	hypo	sig	chr22_19762487
chr10	788630	788630	+	1.419E-10	1.1438E-09	-0.22669	hypo	sig	chr10_788630
chr19	14028057	14028057	+	1.421E-10	1.1454E-09	-0.23169	hypo	sig	chr19_14028057
chr6	6605960	6605960	+	1.422E-10	1.1457E-09	-0.27769	hypo	sig	chr6_6605960
chr12	48528714	48528714	+	1.422E-10	1.1459E-09	-0.33521	hypo	sig	chr12_48528714
chr6	84763180	84763180	+	1.423E-10	1.1467E-09	0.203897	hyper	sig	chr6_84763180
chr16	53373777	53373777	+	1.423E-10	1.1468E-09	-0.21567	hypo	sig	chr16_53373777
chr8	1.41E+08	140609487	+	1.423E-10	1.1468E-09	0.284267	hyper	sig	chr8_140609487
chr1	1.65E+08	165357768	+	1.423E-10	1.1469E-09	-0.20325	hypo	sig	chr1_165357768
chr16	1143173	1143173	+	1.424E-10	1.1476E-09	-0.21761	hypo	sig	chr16_1143173
chr5	73311713	73311713	+	1.424E-10	1.1477E-09	0.22772	hyper	sig	chr5_73311713
chr13	1.12E+08	112246856	+	1.425E-10	1.1479E-09	-0.20487	hypo	sig	chr13_112246856
chr19	53158099	53158099	+	1.426E-10	1.149E-09	0.250677	hyper	sig	chr19_53158099
chr17	78134324	78134324	+	1.426E-10	1.1491E-09	-0.23932	hypo	sig	chr17_78134324
chr12	48966186	48966186	+	1.428E-10	1.1505E-09	0.20936	hyper	sig	chr12_48966186
chr4	1410580	1410580	+	1.428E-10	1.1507E-09	0.283454	hyper	sig	chr4_1410580
chr7	27219183	27219183	+	1.428E-10	1.1508E-09	-0.21246	hypo	sig	chr7_27219183
chr2	2.37E+08	237486440	+	1.429E-10	1.151E-09	0.208938	hyper	sig	chr2_237486440
chr17	76262197	76262197	+	1.431E-10	1.1528E-09	-0.21606	hypo	sig	chr17_76262197
chr19	2275760	2275760	+	1.431E-10	1.153E-09	0.206086	hyper	sig	chr19_2275760
chr12	30930520	30930520	+	1.432E-10	1.1534E-09	-0.22194	hypo	sig	chr12_30930520
chr16	2163686	2163686	+	1.432E-10	1.1535E-09	-0.22477	hypo	sig	chr16_2163686
chr11	92969514	92969514	+	1.432E-10	1.1536E-09	0.24955	hyper	sig	chr11_92969514
chr22	44729479	44729479	+	1.432E-10	1.1536E-09	0.237095	hyper	sig	chr22_44729479
chr5	5890689	5890689	+	1.432E-10	1.1541E-09	-0.22384	hypo	sig	chr5_5890689
chr2	1.76E+08	176083440	+	1.434E-10	1.1553E-09	0.212583	hyper	sig	chr2_176083440
chr20	21515953	21515953	+	1.435E-10	1.1559E-09	0.226401	hyper	sig	chr20_21515953

chr3	1.28E+08	128490901	+	1.435E-10	1.1562E-09	0.241888	hyper	sig	chr3_128490901
chr6	1.05E+08	104941612	+	1.435E-10	1.1562E-09	0.229782	hyper	sig	chr6_104941612
chr13	1.14E+08	114054433	+	1.436E-10	1.1568E-09	-0.3	hypo	sig	chr13_114054433
chr6	84052241	84052241	+	1.437E-10	1.1575E-09	0.20819	hyper	sig	chr6_84052241
chr9	1.36E+08	136200607	+	1.437E-10	1.1579E-09	0.252364	hyper	sig	chr9_136200607
chr16	67399720	67399720	+	1.439E-10	1.1588E-09	0.222789	hyper	sig	chr16_67399720
chr1	2.35E+08	234723215	+	1.439E-10	1.1591E-09	-0.21249	hypo	sig	chr1_234723215
chr6	1.01E+08	101399830	+	1.439E-10	1.1593E-09	0.215465	hyper	sig	chr6_101399830
chr19	17983058	17983058	+	1.44E-10	1.1597E-09	-0.23563	hypo	sig	chr19_17983058
chr15	26866724	26866724	+	1.441E-10	1.1602E-09	0.206357	hyper	sig	chr15_26866724
chr12	53976586	53976586	+	1.441E-10	1.1608E-09	0.211226	hyper	sig	chr12_53976586
chr5	1.46E+08	146334239	+	1.441E-10	1.1609E-09	0.20768	hyper	sig	chr5_146334239
chr14	1.04E+08	104239082	+	1.442E-10	1.1611E-09	-0.21294	hypo	sig	chr14_104239082
chr17	28717301	28717301	+	1.442E-10	1.1615E-09	0.245284	hyper	sig	chr17_28717301
chr16	920363	920363	+	1.442E-10	1.1617E-09	0.239005	hyper	sig	chr16_920363
chr22	16602914	16602914	+	1.445E-10	1.1634E-09	0.221823	hyper	sig	chr22_16602914
chr20	57090163	57090163	+	1.445E-10	1.1636E-09	-0.21759	hypo	sig	chr20_57090163
chr6	1.66E+08	165854405	+	1.447E-10	1.1653E-09	0.263246	hyper	sig	chr6_165854405
chr1	22599006	22599006	+	1.447E-10	1.1654E-09	-0.23086	hypo	sig	chr1_22599006
chr9	88991129	88991129	+	1.447E-10	1.1654E-09	0.224213	hyper	sig	chr9_88991129
chr5	3310809	3310809	+	1.448E-10	1.1657E-09	-0.2152	hypo	sig	chr5_3310809
chr2	5696614	5696614	+	1.449E-10	1.1664E-09	0.254454	hyper	sig	chr2_5696614
chr7	1.51E+08	151380342	+	1.449E-10	1.1665E-09	-0.20784	hypo	sig	chr7_151380342
chr2	2.34E+08	233833047	+	1.449E-10	1.1666E-09	-0.21741	hypo	sig	chr2_233833047
chr6	1.08E+08	108167439	+	1.449E-10	1.1667E-09	0.252057	hyper	sig	chr6_108167439
chr2	2.01E+08	200967026	+	1.449E-10	1.1668E-09	-0.21217	hypo	sig	chr2_200967026
chr18	79785104	79785104	+	1.452E-10	1.169E-09	-0.22513	hypo	sig	chr18_79785104
chr1	2.04E+08	204351072	+	1.452E-10	1.1691E-09	0.208776	hyper	sig	chr1_204351072
chr19	19528785	19528785	+	1.452E-10	1.1691E-09	0.294702	hyper	sig	chr19_19528785
chr1	1.55E+08	155062489	+	1.453E-10	1.1696E-09	0.241616	hyper	sig	chr1_155062489
chr8	12011203	12011203	+	1.453E-10	1.1697E-09	-0.25069	hypo	sig	chr8_12011203
chr6	1.17E+08	116565061	+	1.453E-10	1.1697E-09	0.250391	hyper	sig	chr6_116565061
chr12	48329994	48329994	+	1.454E-10	1.1708E-09	-0.24877	hypo	sig	chr12_48329994
chr6	30451839	30451839	+	1.456E-10	1.1724E-09	0.237706	hyper	sig	chr6_30451839
chr18	23137022	23137022	+	1.456E-10	1.1725E-09	-0.22278	hypo	sig	chr18_23137022
chr3	1.38E+08	137763032	+	1.457E-10	1.1727E-09	0.273671	hyper	sig	chr3_137763032
chr1	2.46E+08	245649372	+	1.457E-10	1.1728E-09	-0.20112	hypo	sig	chr1_245649372
chr19	21678014	21678014	+	1.458E-10	1.1735E-09	0.237035	hyper	sig	chr19_21678014
chr4	45457528	45457528	+	1.458E-10	1.1736E-09	-0.28077	hypo	sig	chr4_45457528
chr12	1.13E+08	113112349	+	1.458E-10	1.1738E-09	0.224043	hyper	sig	chr12_113112349
chr3	1.42E+08	141774620	+	1.458E-10	1.1738E-09	-0.22597	hypo	sig	chr3_141774620
chr19	38812899	38812899	+	1.458E-10	1.1739E-09	-0.24958	hypo	sig	chr19_38812899
chr7	1.53E+08	152922644	+	1.459E-10	1.1742E-09	-0.27311	hypo	sig	chr7_152922644
chr2	2.31E+08	231395425	+	1.459E-10	1.1743E-09	0.240282	hyper	sig	chr2_231395425
chr2	1.87E+08	187003385	+	1.459E-10	1.1746E-09	0.207856	hyper	sig	chr2_187003385
chr16	6022084	6022084	+	1.46E-10	1.1748E-09	-0.28693	hypo	sig	chr16_6022084
chr7	38311376	38311376	+	1.463E-10	1.1775E-09	0.23799	hyper	sig	chr7_38311376
chr22	50044595	50044595	+	1.464E-10	1.1784E-09	-0.25694	hypo	sig	chr22_50044595
chr11	2447102	2447102	+	1.465E-10	1.1788E-09	-0.20178	hypo	sig	chr11_2447102
chr2	47008927	47008927	+	1.465E-10	1.179E-09	0.319911	hyper	sig	chr2_47008927
chr1	45622692	45622692	+	1.466E-10	1.1794E-09	0.206601	hyper	sig	chr1_45622692
chr21	44921449	44921449	+	1.467E-10	1.1804E-09	-0.24432	hypo	sig	chr21_44921449
chr1	7664062	7664062	+	1.469E-10	1.182E-09	-0.26077	hypo	sig	chr1_7664062
chr19	3583575	3583575	+	1.47E-10	1.1831E-09	-0.21084	hypo	sig	chr19_3583575
chr5	1639888	1639888	+	1.471E-10	1.1832E-09	-0.21516	hypo	sig	chr5_1639888
chr4	9781267	9781267	+	1.471E-10	1.1836E-09	0.212007	hyper	sig	chr4_9781267

chr4	11369151	11369151	+	1.471E-10	1.1836E-09	0.235299	hyper	sig	chr4_11369151
chr19	50419243	50419243	+	1.471E-10	1.1836E-09	0.23041	hyper	sig	chr19_50419243
chr22	38110616	38110616	+	1.471E-10	1.1836E-09	-0.20048	hypo	sig	chr22_38110616
chr11	31818198	31818198	+	1.473E-10	1.185E-09	0.297325	hyper	sig	chr11_31818198
chr19	45940496	45940496	+	1.473E-10	1.1852E-09	0.309458	hyper	sig	chr19_45940496
chr12	1.31E+08	131050998	+	1.475E-10	1.1865E-09	-0.20905	hypo	sig	chr12_131050998
chr2	2.42E+08	241987990	+	1.475E-10	1.1866E-09	-0.26217	hypo	sig	chr2_241987990
chr8	54455032	54455032	+	1.475E-10	1.1866E-09	0.236528	hyper	sig	chr8_54455032
chr9	1.36E+08	136484686	+	1.475E-10	1.1868E-09	-0.23285	hypo	sig	chr9_136484686
chr22	20013501	20013501	+	1.475E-10	1.1868E-09	0.207811	hyper	sig	chr22_20013501
chr2	27120255	27120255	+	1.475E-10	1.187E-09	-0.24863	hypo	sig	chr2_27120255
chr20	21702184	21702184	+	1.476E-10	1.1877E-09	0.24	hyper	sig	chr20_21702184
chr15	98854886	98854886	+	1.476E-10	1.1877E-09	0.285158	hyper	sig	chr15_98854886
chr12	53936518	53936518	+	1.477E-10	1.1882E-09	0.256964	hyper	sig	chr12_53936518
chr12	57546028	57546028	+	1.477E-10	1.1885E-09	-0.21292	hypo	sig	chr12_57546028
chr17	50781457	50781457	+	1.478E-10	1.1887E-09	0.208261	hyper	sig	chr17_50781457
chr14	1.02E+08	102321237	+	1.478E-10	1.189E-09	-0.2065	hypo	sig	chr14_102321237
chr12	1.1E+08	109833718	+	1.479E-10	1.1896E-09	0.222185	hyper	sig	chr12_109833718
chr8	11721366	11721366	+	1.479E-10	1.1897E-09	0.282329	hyper	sig	chr8_11721366
chr6	1.59E+08	158869215	+	1.48E-10	1.1907E-09	-0.22687	hypo	sig	chr6_158869215
chr7	57256155	57256155	+	1.481E-10	1.1911E-09	-0.20931	hypo	sig	chr7_57256155
chr1	1.44E+08	143661244	+	1.481E-10	1.1914E-09	0.264309	hyper	sig	chr1_143661244
chr6	36340583	36340583	+	1.482E-10	1.1918E-09	-0.22438	hypo	sig	chr6_36340583
chr5	958693	958693	+	1.482E-10	1.1919E-09	-0.2541	hypo	sig	chr5_958693
chr8	69832641	69832641	+	1.482E-10	1.1921E-09	0.213153	hyper	sig	chr8_69832641
chr8	1E+08	100105837	+	1.483E-10	1.1932E-09	0.224065	hyper	sig	chr8_100105837
chr10	48684758	48684758	+	1.485E-10	1.194E-09	-0.20363	hypo	sig	chr10_48684758
chr10	1.32E+08	132272538	+	1.485E-10	1.1942E-09	0.240803	hyper	sig	chr10_132272538
chr9	1.32E+08	131554534	+	1.485E-10	1.1942E-09	0.293662	hyper	sig	chr9_131554534
chr19	49050430	49050430	+	1.485E-10	1.1944E-09	-0.27912	hypo	sig	chr19_49050430
chr4	946895	946895	+	1.485E-10	1.1945E-09	0.217684	hyper	sig	chr4_946895
chr4	1.11E+08	110626634	+	1.486E-10	1.1947E-09	0.24134	hyper	sig	chr4_110626634
chr6	84052277	84052277	+	1.487E-10	1.196E-09	0.207295	hyper	sig	chr6_84052277
chr9	1.37E+08	136850234	+	1.49E-10	1.1982E-09	0.203169	hyper	sig	chr9_136850234
chr3	49191135	49191135	+	1.49E-10	1.1983E-09	-0.20401	hypo	sig	chr3_49191135
chr5	1.7E+08	169637667	+	1.493E-10	1.2005E-09	0.226519	hyper	sig	chr5_169637667
chr15	52784609	52784609	+	1.493E-10	1.2006E-09	0.287572	hyper	sig	chr15_52784609
chr15	99434664	99434664	+	1.493E-10	1.2008E-09	-0.22988	hypo	sig	chr15_99434664
chr19	49036984	49036984	+	1.494E-10	1.201E-09	-0.20494	hypo	sig	chr19_49036984
chr16	55328862	55328862	+	1.494E-10	1.2012E-09	0.226963	hyper	sig	chr16_55328862
chr12	54047158	54047158	+	1.494E-10	1.2014E-09	0.301875	hyper	sig	chr12_54047158
chr12	138141	138141	+	1.495E-10	1.2023E-09	-0.21617	hypo	sig	chr12_138141
chr19	50724145	50724145	+	1.496E-10	1.2026E-09	0.245411	hyper	sig	chr19_50724145
chr2	2.37E+08	237489847	+	1.496E-10	1.2026E-09	-0.23212	hypo	sig	chr2_237489847
chr13	46440584	46440584	+	1.496E-10	1.203E-09	-0.20913	hypo	sig	chr13_46440584
chr17	45243952	45243952	+	1.497E-10	1.2034E-09	-0.23888	hypo	sig	chr17_45243952
chr14	23388249	23388249	+	1.497E-10	1.2038E-09	-0.21252	hypo	sig	chr14_23388249
chr2	3595009	3595009	+	1.498E-10	1.2045E-09	0.253062	hyper	sig	chr2_3595009
chr15	89201751	89201751	+	1.498E-10	1.2046E-09	0.21788	hyper	sig	chr15_89201751
chr16	29132997	29132997	+	1.5E-10	1.2055E-09	-0.2288	hypo	sig	chr16_29132997
chr6	42710594	42710594	+	1.501E-10	1.2065E-09	0.254986	hyper	sig	chr6_42710594
chr1	6461208	6461208	+	1.502E-10	1.207E-09	0.211253	hyper	sig	chr1_6461208
chr7	75635250	75635250	+	1.502E-10	1.2074E-09	-0.20337	hypo	sig	chr7_75635250
chr17	63942149	63942149	+	1.504E-10	1.2093E-09	-0.25948	hypo	sig	chr17_63942149
chr8	1.43E+08	142542080	+	1.505E-10	1.2099E-09	-0.27067	hypo	sig	chr8_142542080
chr16	14989727	14989727	+	1.506E-10	1.2106E-09	0.229297	hyper	sig	chr16_14989727

chr14	56807852	56807852	+	1.506E-10	1.2108E-09	0.207712	hyper	sig	chr14_56807852
chr7	45088628	45088628	+	1.507E-10	1.2115E-09	0.381944	hyper	sig	chr7_45088628
chr16	86288330	86288330	+	1.508E-10	1.2116E-09	-0.20113	hypo	sig	chr16_86288330
chr5	10760185	10760185	+	1.508E-10	1.2121E-09	-0.24469	hypo	sig	chr5_10760185
chr7	72969712	72969712	+	1.509E-10	1.2127E-09	0.364368	hyper	sig	chr7_72969712
chr7	1753092	1753092	+	1.509E-10	1.2128E-09	-0.2506	hypo	sig	chr7_1753092
chr10	69578672	69578672	+	1.51E-10	1.2135E-09	0.254522	hyper	sig	chr10_69578672
chr2	74148380	74148380	+	1.512E-10	1.215E-09	0.22542	hyper	sig	chr2_74148380
chr12	7748049	7748049	+	1.512E-10	1.215E-09	-0.21779	hypo	sig	chr12_7748049
chr15	93900679	93900679	+	1.513E-10	1.2154E-09	-0.2649	hypo	sig	chr15_93900679
chr16	55330940	55330940	+	1.514E-10	1.2163E-09	0.2275	hyper	sig	chr16_55330940
chr8	97598305	97598305	+	1.514E-10	1.2167E-09	-0.22962	hypo	sig	chr8_97598305
chr11	32430697	32430697	+	1.515E-10	1.2173E-09	0.27829	hyper	sig	chr11_32430697
chr15	72315904	72315904	+	1.515E-10	1.2174E-09	-0.22392	hypo	sig	chr15_72315904
chr12	78864552	78864552	+	1.517E-10	1.2186E-09	0.202119	hyper	sig	chr12_78864552
chr20	63074825	63074825	+	1.518E-10	1.2196E-09	-0.20294	hypo	sig	chr20_63074825
chr10	1.33E+08	133216172	+	1.519E-10	1.2201E-09	-0.22516	hypo	sig	chr10_133216172
chr17	49854228	49854228	+	1.52E-10	1.2214E-09	-0.20069	hypo	sig	chr17_49854228
chr1	19815172	19815172	+	1.521E-10	1.2216E-09	-0.20078	hypo	sig	chr1_19815172
chr18	69469602	69469602	+	1.521E-10	1.2217E-09	-0.23237	hypo	sig	chr18_69469602
chr18	57352480	57352480	+	1.521E-10	1.222E-09	0.254342	hyper	sig	chr18_57352480
chr22	39374483	39374483	+	1.521E-10	1.2221E-09	-0.20444	hypo	sig	chr22_39374483
chr13	35470777	35470777	+	1.521E-10	1.2223E-09	0.256765	hyper	sig	chr13_35470777
chr1	1.21E+08	121118256	+	1.523E-10	1.2235E-09	0.228547	hyper	sig	chr1_121118256
chr16	29785255	29785255	+	1.523E-10	1.2238E-09	0.205673	hyper	sig	chr16_29785255
chr5	68187932	68187932	+	1.524E-10	1.2244E-09	0.208134	hyper	sig	chr5_68187932
chr1	2.28E+08	227541876	+	1.524E-10	1.2244E-09	0.280373	hyper	sig	chr1_227541876
chr7	1.55E+08	155071367	+	1.527E-10	1.2265E-09	0.244947	hyper	sig	chr7_155071367
chr2	88284067	88284067	+	1.527E-10	1.2267E-09	0.244627	hyper	sig	chr2_88284067
chr21	44338160	44338160	+	1.528E-10	1.2273E-09	0.221222	hyper	sig	chr21_44338160
chr5	1.41E+08	141177675	+	1.528E-10	1.2277E-09	0.208107	hyper	sig	chr5_141177675
chr22	48624646	48624646	+	1.528E-10	1.2277E-09	-0.22709	hypo	sig	chr22_48624646
chr11	20163566	20163566	+	1.531E-10	1.2293E-09	0.29924	hyper	sig	chr11_20163566
chr5	1.41E+08	140787570	+	1.531E-10	1.2296E-09	0.256656	hyper	sig	chr5_140787570
chr1	2376302	2376302	+	1.531E-10	1.2299E-09	-0.24211	hypo	sig	chr1_2376302
chr16	84832668	84832668	+	1.531E-10	1.2299E-09	0.233712	hyper	sig	chr16_84832668
chr1	6474475	6474475	+	1.533E-10	1.231E-09	-0.22163	hypo	sig	chr1_6474475
chr16	991062	991062	+	1.533E-10	1.2311E-09	-0.21734	hypo	sig	chr16_991062
chr6	50850921	50850921	+	1.535E-10	1.2329E-09	0.247869	hyper	sig	chr6_50850921
chr2	3595005	3595005	+	1.536E-10	1.2335E-09	0.244843	hyper	sig	chr2_3595005
chr12	53987247	53987247	+	1.536E-10	1.2336E-09	0.214854	hyper	sig	chr12_53987247
chr9	1.38E+08	138122531	+	1.537E-10	1.2337E-09	-0.24293	hypo	sig	chr9_138122531
chr16	2497558	2497558	+	1.537E-10	1.2342E-09	0.225299	hyper	sig	chr16_2497558
chr3	49531408	49531408	+	1.537E-10	1.2344E-09	0.209527	hyper	sig	chr3_49531408
chr22	38429951	38429951	+	1.538E-10	1.2345E-09	0.22449	hyper	sig	chr22_38429951
chr17	7852237	7852237	+	1.538E-10	1.2348E-09	0.231835	hyper	sig	chr17_7852237
chr20	63826002	63826002	+	1.538E-10	1.2348E-09	-0.21273	hypo	sig	chr20_63826002
chr1	2.49E+08	248681946	+	1.539E-10	1.2353E-09	-0.20911	hypo	sig	chr1_248681946
chr13	1.12E+08	111517224	+	1.539E-10	1.2354E-09	-0.2559	hypo	sig	chr13_111517224
chr7	23710187	23710187	+	1.539E-10	1.2357E-09	-0.20493	hypo	sig	chr7_23710187
chr14	1.06E+08	105731706	+	1.54E-10	1.2364E-09	-0.2106	hypo	sig	chr14_105731706
chr4	8618218	8618218	+	1.541E-10	1.2367E-09	-0.21327	hypo	sig	chr4_8618218
chr7	99598235	99598235	+	1.542E-10	1.2375E-09	0.303712	hyper	sig	chr7_99598235
chr6	84774642	84774642	+	1.542E-10	1.238E-09	0.224897	hyper	sig	chr6_84774642
chr16	57620435	57620435	+	1.543E-10	1.2387E-09	-0.20874	hypo	sig	chr16_57620435
chr19	46303941	46303941	+	1.545E-10	1.2399E-09	-0.26711	hypo	sig	chr19_46303941

chr1	26863296	26863296	+	1.546E-10	1.2408E-09	-0.20678	hypo	sig	chr1_26863296
chr11	61955611	61955611	+	1.546E-10	1.2411E-09	0.216035	hyper	sig	chr11_61955611
chr12	1.3E+08	130474517	+	1.547E-10	1.2416E-09	-0.23149	hypo	sig	chr12_130474517
chr1	2967192	2967192	+	1.548E-10	1.2426E-09	0.211751	hyper	sig	chr1_2967192
chr9	1.36E+08	135561060	+	1.549E-10	1.243E-09	-0.27624	hypo	sig	chr9_135561060
chr5	32712859	32712859	+	1.552E-10	1.2453E-09	0.252512	hyper	sig	chr5_32712859
chr5	965722	965722	+	1.552E-10	1.2456E-09	-0.22845	hypo	sig	chr5_965722
chr12	1.31E+08	131028844	+	1.553E-10	1.2466E-09	-0.20547	hypo	sig	chr12_131028844
chr12	1.32E+08	132206025	+	1.554E-10	1.2472E-09	0.2376	hyper	sig	chr12_132206025
chr5	1.6E+08	159986870	+	1.555E-10	1.2477E-09	0.239329	hyper	sig	chr5_159986870
chr1	1.62E+08	161723298	+	1.556E-10	1.2485E-09	-0.2608	hypo	sig	chr1_161723298
chr7	1318465	1318465	+	1.556E-10	1.2485E-09	-0.24299	hypo	sig	chr7_1318465
chr7	52273841	52273841	+	1.557E-10	1.2493E-09	0.275522	hyper	sig	chr7_52273841
chr1	4782550	4782550	+	1.558E-10	1.2502E-09	-0.2565	hypo	sig	chr1_4782550
chr8	86068254	86068254	+	1.559E-10	1.2505E-09	-0.28561	hypo	sig	chr8_86068254
chr16	2037884	2037884	+	1.559E-10	1.2508E-09	0.209986	hyper	sig	chr16_2037884
chr13	29936357	29936357	+	1.56E-10	1.2519E-09	-0.20329	hypo	sig	chr13_29936357
chr15	77975681	77975681	+	1.56E-10	1.252E-09	0.241001	hyper	sig	chr15_77975681
chr8	47194137	47194137	+	1.561E-10	1.2521E-09	-0.21007	hypo	sig	chr8_47194137
chr5	88678365	88678365	+	1.563E-10	1.2543E-09	0.227069	hyper	sig	chr5_88678365
chr1	1.1E+08	110472677	+	1.564E-10	1.2548E-09	-0.21436	hypo	sig	chr1_110472677
chr7	66607043	66607043	+	1.565E-10	1.2557E-09	0.223517	hyper	sig	chr7_66607043
chr3	1.47E+08	147412636	+	1.566E-10	1.2561E-09	0.250982	hyper	sig	chr3_147412636
chr16	166154	166154	+	1.566E-10	1.2564E-09	0.245314	hyper	sig	chr16_166154
chr5	1.41E+08	141431514	+	1.566E-10	1.2565E-09	0.24538	hyper	sig	chr5_141431514
chr6	36285361	36285361	+	1.568E-10	1.2574E-09	0.234229	hyper	sig	chr6_36285361
chr10	1185233	1185233	+	1.568E-10	1.2575E-09	-0.27321	hypo	sig	chr10_1185233
chr16	1163933	1163933	+	1.568E-10	1.2577E-09	-0.24543	hypo	sig	chr16_1163933
chr9	98190505	98190505	+	1.568E-10	1.2578E-09	-0.21073	hypo	sig	chr9_98190505
chr5	3311253	3311253	+	1.568E-10	1.258E-09	-0.20665	hypo	sig	chr5_3311253
chr12	1.1E+08	109588992	+	1.569E-10	1.2586E-09	-0.24067	hypo	sig	chr12_109588992
chr5	1.41E+08	140843393	+	1.569E-10	1.2586E-09	0.261203	hyper	sig	chr5_140843393
chr16	67654778	67654778	+	1.57E-10	1.2589E-09	0.239926	hyper	sig	chr16_67654778
chr2	41693984	41693984	+	1.57E-10	1.2593E-09	-0.29181	hypo	sig	chr2_41693984
chr6	44342475	44342475	+	1.57E-10	1.2595E-09	0.224137	hyper	sig	chr6_44342475
chr21	9736810	9736810	+	1.571E-10	1.2598E-09	-0.20003	hypo	sig	chr21_9736810
chr17	73956901	73956901	+	1.572E-10	1.2605E-09	-0.27906	hypo	sig	chr17_73956901
chr5	1.36E+08	135578686	+	1.573E-10	1.2618E-09	0.261045	hyper	sig	chr5_135578686
chr16	29252020	29252020	+	1.574E-10	1.2622E-09	-0.22837	hypo	sig	chr16_29252020
chr7	64037261	64037261	+	1.575E-10	1.2632E-09	0.254547	hyper	sig	chr7_64037261
chr5	1.6E+08	160198517	+	1.575E-10	1.2633E-09	-0.23486	hypo	sig	chr5_160198517
chr16	2182352	2182352	+	1.576E-10	1.2635E-09	-0.24446	hypo	sig	chr16_2182352
chr13	27795379	27795379	+	1.577E-10	1.2647E-09	0.253951	hyper	sig	chr13_27795379
chr1	44617259	44617259	+	1.577E-10	1.2648E-09	0.204084	hyper	sig	chr1_44617259
chr16	268842	268842	+	1.577E-10	1.265E-09	-0.21177	hypo	sig	chr16_268842
chr19	1798333	1798333	+	1.581E-10	1.2677E-09	-0.33554	hypo	sig	chr19_1798333
chr1	3595500	3595500	+	1.584E-10	1.2697E-09	-0.20682	hypo	sig	chr1_3595500
chr2	2581272	2581272	+	1.585E-10	1.2708E-09	-0.26783	hypo	sig	chr2_2581272
chr5	1.41E+08	141094904	+	1.586E-10	1.2712E-09	0.272524	hyper	sig	chr5_141094904
chr5	1.41E+08	140876813	+	1.587E-10	1.2724E-09	0.24743	hyper	sig	chr5_140876813
chr1	1.82E+08	182056628	+	1.587E-10	1.2725E-09	0.213426	hyper	sig	chr1_182056628
chr12	52014778	52014778	+	1.589E-10	1.2736E-09	0.251146	hyper	sig	chr12_52014778
chr11	61681495	61681495	+	1.589E-10	1.2737E-09	-0.22253	hypo	sig	chr11_61681495
chr17	78132400	78132400	+	1.589E-10	1.2739E-09	-0.2225	hypo	sig	chr17_78132400
chr2	1.36E+08	136126546	+	1.59E-10	1.2747E-09	0.228887	hyper	sig	chr2_136126546
chr16	1149592	1149592	+	1.59E-10	1.2748E-09	-0.25176	hypo	sig	chr16_1149592

chr16	67162833	67162833	+	1.59E-10	1.2749E-09	0.216127	hyper	sig	chr16_67162833
chr18	11752108	11752108	+	1.591E-10	1.2752E-09	0.241933	hyper	sig	chr18_11752108
chr14	61281780	61281780	+	1.592E-10	1.2757E-09	-0.2217	hypo	sig	chr14_61281780
chr5	1.29E+08	128965819	+	1.592E-10	1.2759E-09	0.231292	hyper	sig	chr5_128965819
chr4	8251696	8251696	+	1.594E-10	1.2775E-09	-0.24967	hypo	sig	chr4_8251696
chr13	30153790	30153790	+	1.594E-10	1.278E-09	-0.2193	hypo	sig	chr13_30153790
chr5	64690363	64690363	+	1.595E-10	1.2784E-09	0.240941	hyper	sig	chr5_64690363
chr2	3595184	3595184	+	1.595E-10	1.2784E-09	0.248129	hyper	sig	chr2_3595184
chr14	87989202	87989202	+	1.596E-10	1.2792E-09	-0.2038	hypo	sig	chr14_87989202
chr10	1209029	1209029	+	1.597E-10	1.2797E-09	-0.20272	hypo	sig	chr10_1209029
chr7	44539712	44539712	+	1.597E-10	1.2797E-09	-0.24123	hypo	sig	chr7_44539712
chr12	46832470	46832470	+	1.598E-10	1.2807E-09	0.207634	hyper	sig	chr12_46832470
chr10	27413483	27413483	+	1.598E-10	1.2807E-09	0.221612	hyper	sig	chr10_27413483
chr6	17102705	17102705	+	1.599E-10	1.2812E-09	-0.22347	hypo	sig	chr6_17102705
chr18	48956059	48956059	+	1.6E-10	1.2825E-09	0.205118	hyper	sig	chr18_48956059
chr15	79284005	79284005	+	1.601E-10	1.2831E-09	0.200072	hyper	sig	chr15_79284005
chr11	1310627	1310627	+	1.602E-10	1.2839E-09	-0.20294	hypo	sig	chr11_1310627
chr18	57368766	57368766	+	1.605E-10	1.2862E-09	-0.21805	hypo	sig	chr18_57368766
chr8	1.42E+08	142454461	+	1.606E-10	1.2866E-09	-0.2203	hypo	sig	chr8_142454461
chr19	2997627	2997627	+	1.608E-10	1.2878E-09	0.232074	hyper	sig	chr19_2997627
chr12	1.33E+08	132882313	+	1.608E-10	1.2885E-09	0.238824	hyper	sig	chr12_132882313
chr1	2.44E+08	244074667	+	1.609E-10	1.289E-09	-0.23246	hypo	sig	chr1_244074667
chr21	45642641	45642641	+	1.61E-10	1.2896E-09	0.235038	hyper	sig	chr21_45642641
chr1	39884365	39884365	+	1.611E-10	1.2901E-09	-0.20207	hypo	sig	chr1_39884365
chr22	44286614	44286614	+	1.611E-10	1.2902E-09	-0.27639	hypo	sig	chr22_44286614
chr1	2433615	2433615	+	1.612E-10	1.2912E-09	-0.22916	hypo	sig	chr1_2433615
chr19	57119166	57119166	+	1.612E-10	1.2915E-09	0.211585	hyper	sig	chr19_57119166
chr2	5709988	5709988	+	1.612E-10	1.2915E-09	-0.21683	hypo	sig	chr2_5709988
chr7	2532354	2532354	+	1.613E-10	1.2922E-09	-0.27908	hypo	sig	chr7_2532354
chr8	17413099	17413099	+	1.614E-10	1.2924E-09	0.2451	hyper	sig	chr8_17413099
chr6	42983915	42983915	+	1.614E-10	1.2929E-09	0.254483	hyper	sig	chr6_42983915
chr1	2.18E+08	218346986	+	1.615E-10	1.2934E-09	0.206393	hyper	sig	chr1_218346986
chr5	1851018	1851018	+	1.615E-10	1.2939E-09	0.261942	hyper	sig	chr5_1851018
chr9	83537307	83537307	+	1.616E-10	1.2945E-09	0.21664	hyper	sig	chr9_83537307
chr16	66579394	66579394	+	1.617E-10	1.2947E-09	0.24393	hyper	sig	chr16_66579394
chr6	31880154	31880154	+	1.617E-10	1.2951E-09	0.203932	hyper	sig	chr6_31880154
chr17	45395434	45395434	+	1.617E-10	1.2953E-09	0.217229	hyper	sig	chr17_45395434
chr8	26515363	26515363	+	1.618E-10	1.296E-09	0.243602	hyper	sig	chr8_26515363
chr7	1.08E+08	107843395	+	1.619E-10	1.2963E-09	-0.21342	hypo	sig	chr7_107843395
chr1	21436645	21436645	+	1.619E-10	1.2964E-09	0.203281	hyper	sig	chr1_21436645
chr11	18209177	18209177	+	1.619E-10	1.2964E-09	0.281303	hyper	sig	chr11_18209177
chr5	1.41E+08	141432926	+	1.62E-10	1.2975E-09	0.208171	hyper	sig	chr5_141432926
chr4	7337080	7337080	+	1.621E-10	1.2978E-09	-0.22693	hypo	sig	chr4_7337080
chr9	1.37E+08	136745865	+	1.621E-10	1.298E-09	-0.21727	hypo	sig	chr9_136745865
chr11	69818377	69818377	+	1.622E-10	1.2987E-09	0.210982	hyper	sig	chr11_69818377
chr16	20964752	20964752	+	1.623E-10	1.2999E-09	-0.23625	hypo	sig	chr16_20964752
chr10	52778583	52778583	+	1.624E-10	1.3004E-09	0.312342	hyper	sig	chr10_52778583
chr19	42698090	42698090	+	1.624E-10	1.3005E-09	0.312196	hyper	sig	chr19_42698090
chr13	36432070	36432070	+	1.624E-10	1.3005E-09	0.258799	hyper	sig	chr13_36432070
chr12	80708723	80708723	+	1.625E-10	1.3011E-09	0.206459	hyper	sig	chr12_80708723
chr5	958949	958949	+	1.626E-10	1.3015E-09	-0.24028	hypo	sig	chr5_958949
chr10	1.33E+08	133215207	+	1.626E-10	1.3021E-09	-0.24797	hypo	sig	chr10_133215207
chr10	1.29E+08	128568398	+	1.626E-10	1.3022E-09	-0.20216	hypo	sig	chr10_128568398
chr5	7851297	7851297	+	1.628E-10	1.3031E-09	0.241589	hyper	sig	chr5_7851297
chr2	79909849	79909849	+	1.629E-10	1.3041E-09	-0.37045	hypo	sig	chr2_79909849
chr14	1.05E+08	104926830	+	1.63E-10	1.3049E-09	-0.27867	hypo	sig	chr14_104926830

chr9	1.36E+08	136257819	+	1.631E-10	1.3058E-09	-0.28805	hypo	sig	chr9_136257819
chr1	3313930	3313930	+	1.631E-10	1.3059E-09	0.230928	hyper	sig	chr1_3313930
chr15	74132400	74132400	+	1.632E-10	1.3062E-09	0.241947	hyper	sig	chr15_74132400
chr22	39095970	39095970	+	1.633E-10	1.307E-09	-0.21315	hypo	sig	chr22_39095970
chr4	52076912	52076912	+	1.633E-10	1.3071E-09	0.250793	hyper	sig	chr4_52076912
chr4	73998605	73998605	+	1.633E-10	1.3071E-09	0.201571	hyper	sig	chr4_73998605
chr16	88875612	88875612	+	1.633E-10	1.3074E-09	-0.25798	hypo	sig	chr16_88875612
chr4	92306125	92306125	+	1.633E-10	1.3075E-09	0.258308	hyper	sig	chr4_92306125
chr7	2019748	2019748	+	1.634E-10	1.3079E-09	-0.26965	hypo	sig	chr7_2019748
chr2	10301914	10301914	+	1.634E-10	1.308E-09	-0.20937	hypo	sig	chr2_10301914
chr13	26046441	26046441	+	1.634E-10	1.3082E-09	-0.23906	hypo	sig	chr13_26046441
chr6	33073444	33073444	+	1.635E-10	1.3084E-09	-0.2454	hypo	sig	chr6_33073444
chr7	1940725	1940725	+	1.636E-10	1.3098E-09	-0.21517	hypo	sig	chr7_1940725
chr5	1.35E+08	135029305	+	1.637E-10	1.3105E-09	0.295751	hyper	sig	chr5_135029305
chr10	1.19E+08	119401711	+	1.638E-10	1.3107E-09	-0.27317	hypo	sig	chr10_119401711
chr15	96413870	96413870	+	1.639E-10	1.3119E-09	0.225534	hyper	sig	chr15_96413870
chr6	30071665	30071665	+	1.64E-10	1.3125E-09	0.258596	hyper	sig	chr6_30071665
chr17	30235447	30235447	+	1.641E-10	1.3131E-09	0.28266	hyper	sig	chr17_30235447
chr1	2342175	2342175	+	1.641E-10	1.3131E-09	-0.21027	hypo	sig	chr1_2342175
chr14	36666415	36666415	+	1.641E-10	1.3135E-09	0.269974	hyper	sig	chr14_36666415
chr9	1.29E+08	129254101	+	1.642E-10	1.3141E-09	0.342737	hyper	sig	chr9_129254101
chr17	42784474	42784474	+	1.643E-10	1.3146E-09	0.206145	hyper	sig	chr17_42784474
chr2	1.19E+08	118845517	+	1.643E-10	1.315E-09	0.239613	hyper	sig	chr2_118845517
chr4	3645266	3645266	+	1.645E-10	1.3165E-09	-0.20761	hypo	sig	chr4_3645266
chr10	1.01E+08	101138636	+	1.647E-10	1.3178E-09	0.200016	hyper	sig	chr10_101138636
chr1	3111978	3111978	+	1.648E-10	1.3191E-09	0.268319	hyper	sig	chr1_3111978
chr19	53993029	53993029	+	1.652E-10	1.3218E-09	0.200245	hyper	sig	chr19_53993029
chr14	64541872	64541872	+	1.652E-10	1.3218E-09	0.248691	hyper	sig	chr14_64541872
chr5	73436356	73436356	+	1.653E-10	1.3225E-09	0.262545	hyper	sig	chr5_73436356
chr18	33440980	33440980	+	1.654E-10	1.3232E-09	0.307677	hyper	sig	chr18_33440980
chr13	36346705	36346705	+	1.657E-10	1.3258E-09	0.215866	hyper	sig	chr13_36346705
chr1	1.11E+08	110608531	+	1.657E-10	1.3261E-09	0.203763	hyper	sig	chr1_110608531
chr12	1.3E+08	130339311	+	1.658E-10	1.3262E-09	0.279397	hyper	sig	chr12_130339311
chr16	87616697	87616697	+	1.658E-10	1.3268E-09	-0.22617	hypo	sig	chr16_87616697
chr3	46464914	46464914	+	1.659E-10	1.3273E-09	0.220386	hyper	sig	chr3_46464914
chr7	25952125	25952125	+	1.66E-10	1.3281E-09	-0.20626	hypo	sig	chr7_25952125
chr1	25816201	25816201	+	1.66E-10	1.3282E-09	0.208721	hyper	sig	chr1_25816201
chr10	7410662	7410662	+	1.661E-10	1.3291E-09	0.226838	hyper	sig	chr10_7410662
chr1	2.25E+08	224618150	+	1.662E-10	1.3292E-09	0.225467	hyper	sig	chr1_224618150
chr16	84819376	84819376	+	1.662E-10	1.3297E-09	-0.21749	hypo	sig	chr16_84819376
chr10	1.33E+08	133083349	+	1.663E-10	1.33E-09	0.244727	hyper	sig	chr10_133083349
chr19	54281050	54281050	+	1.666E-10	1.3324E-09	-0.24069	hypo	sig	chr19_54281050
chr15	75649280	75649280	+	1.667E-10	1.3332E-09	0.227941	hyper	sig	chr15_75649280
chr17	41625848	41625848	+	1.67E-10	1.3354E-09	-0.27581	hypo	sig	chr17_41625848
chr4	55157761	55157761	+	1.67E-10	1.3355E-09	0.232642	hyper	sig	chr4_55157761
chr10	95231136	95231136	+	1.672E-10	1.3373E-09	0.234034	hyper	sig	chr10_95231136
chr9	2933802	2933802	+	1.672E-10	1.3376E-09	-0.21339	hypo	sig	chr9_2933802
chr20	34559817	34559817	+	1.673E-10	1.3377E-09	0.225461	hyper	sig	chr20_34559817
chr11	67616081	67616081	+	1.674E-10	1.3389E-09	0.256052	hyper	sig	chr11_67616081
chr3	1.23E+08	123448711	+	1.675E-10	1.3397E-09	0.265031	hyper	sig	chr3_123448711
chr20	62708467	62708467	+	1.676E-10	1.3402E-09	0.211637	hyper	sig	chr20_62708467
chr5	1.41E+08	141210288	+	1.677E-10	1.3407E-09	0.244985	hyper	sig	chr5_141210288
chr5	32713392	32713392	+	1.677E-10	1.3408E-09	0.250013	hyper	sig	chr5_32713392
chr1	90720181	90720181	+	1.677E-10	1.341E-09	0.23602	hyper	sig	chr1_90720181
chr18	79899643	79899643	+	1.678E-10	1.3416E-09	0.213283	hyper	sig	chr18_79899643
chr11	17547386	17547386	+	1.678E-10	1.3416E-09	0.218494	hyper	sig	chr11_17547386

chr19	29528287	29528287	+	1.678E-10	1.342E-09	0.231002	hyper	sig	chr19_29528287
chr7	35259051	35259051	+	1.679E-10	1.3422E-09	0.247142	hyper	sig	chr7_35259051
chr10	1.01E+08	101236379	+	1.681E-10	1.3438E-09	0.235213	hyper	sig	chr10_101236379
chr19	40365783	40365783	+	1.682E-10	1.3445E-09	0.261353	hyper	sig	chr19_40365783
chr9	69174677	69174677	+	1.682E-10	1.3445E-09	0.202646	hyper	sig	chr9_69174677
chr3	62369789	62369789	+	1.683E-10	1.3455E-09	0.224979	hyper	sig	chr3_62369789
chr1	1430818	1430818	+	1.683E-10	1.3457E-09	0.290094	hyper	sig	chr1_1430818
chr7	44979215	44979215	+	1.684E-10	1.3465E-09	-0.22836	hypo	sig	chr7_44979215
chr20	63406295	63406295	+	1.685E-10	1.3468E-09	-0.256	hypo	sig	chr20_63406295
chr7	64183224	64183224	+	1.685E-10	1.3474E-09	0.243367	hyper	sig	chr7_64183224
chr7	1408456	1408456	+	1.686E-10	1.3477E-09	-0.28051	hypo	sig	chr7_1408456
chr4	41866234	41866234	+	1.686E-10	1.3478E-09	0.236433	hyper	sig	chr4_41866234
chr7	1.58E+08	157555583	+	1.686E-10	1.3479E-09	-0.20276	hypo	sig	chr7_157555583
chr21	41248146	41248146	+	1.687E-10	1.3488E-09	-0.20805	hypo	sig	chr21_41248146
chr16	1534110	1534110	+	1.689E-10	1.3502E-09	0.219177	hyper	sig	chr16_1534110
chr20	32194078	32194078	+	1.69E-10	1.3505E-09	0.251948	hyper	sig	chr20_32194078
chr8	56117998	56117998	+	1.69E-10	1.351E-09	0.217601	hyper	sig	chr8_56117998
chr3	1.07E+08	107429457	+	1.692E-10	1.3522E-09	0.201993	hyper	sig	chr3_107429457
chr10	1.23E+08	123148413	+	1.693E-10	1.3529E-09	0.235297	hyper	sig	chr10_123148413
chr3	1.2E+08	120285414	+	1.695E-10	1.3544E-09	0.250216	hyper	sig	chr3_120285414
chr17	5772896	5772896	+	1.696E-10	1.3556E-09	-0.3108	hypo	sig	chr17_5772896
chr16	88205746	88205746	+	1.697E-10	1.3563E-09	-0.23244	hypo	sig	chr16_88205746
chr14	77126818	77126818	+	1.698E-10	1.3575E-09	-0.20253	hypo	sig	chr14_77126818
chr16	58749856	58749856	+	1.699E-10	1.3575E-09	-0.23161	hypo	sig	chr16_58749856
chr6	1.5E+08	150141173	+	1.7E-10	1.3586E-09	-0.21424	hypo	sig	chr6_150141173
chr9	1.32E+08	131578904	+	1.7E-10	1.3589E-09	-0.23083	hypo	sig	chr9_131578904
chr9	1.38E+08	137514231	+	1.701E-10	1.359E-09	-0.23402	hypo	sig	chr9_137514231
chr8	24940917	24940917	+	1.703E-10	1.3606E-09	-0.20818	hypo	sig	chr8_24940917
chr1	8324085	8324085	+	1.704E-10	1.3618E-09	-0.26749	hypo	sig	chr1_8324085
chr11	843848	843848	+	1.705E-10	1.3624E-09	0.214973	hyper	sig	chr11_843848
chr20	19974897	19974897	+	1.706E-10	1.3631E-09	0.208652	hyper	sig	chr20_19974897
chr22	39461185	39461185	+	1.707E-10	1.3638E-09	-0.20024	hypo	sig	chr22_39461185
chr17	233789	233789	+	1.708E-10	1.3646E-09	-0.25988	hypo	sig	chr17_233789
chr2	2.4E+08	240324618	+	1.709E-10	1.3656E-09	-0.27344	hypo	sig	chr2_240324618
chr12	1.32E+08	132271934	+	1.71E-10	1.3658E-09	-0.24465	hypo	sig	chr12_132271934
chr5	2007510	2007510	+	1.71E-10	1.3659E-09	-0.2277	hypo	sig	chr5_2007510
chr1	2855607	2855607	+	1.71E-10	1.3664E-09	0.21632	hyper	sig	chr1_2855607
chr4	5709528	5709528	+	1.712E-10	1.368E-09	-0.25632	hypo	sig	chr4_5709528
chr1	6455804	6455804	+	1.714E-10	1.369E-09	0.262864	hyper	sig	chr1_6455804
chr8	1.44E+08	144046281	+	1.714E-10	1.3696E-09	-0.21782	hypo	sig	chr8_144046281
chr15	1.01E+08	100849569	+	1.715E-10	1.37E-09	0.20813	hyper	sig	chr15_100849569
chr2	2.35E+08	234513475	+	1.715E-10	1.37E-09	-0.27323	hypo	sig	chr2_234513475
chr12	4115735	4115735	+	1.717E-10	1.3715E-09	-0.25466	hypo	sig	chr12_4115735
chr18	79899690	79899690	+	1.717E-10	1.3718E-09	0.207161	hyper	sig	chr18_79899690
chr10	1.33E+08	133278734	+	1.718E-10	1.3725E-09	-0.20546	hypo	sig	chr10_133278734
chr3	14819269	14819269	+	1.719E-10	1.3729E-09	-0.24698	hypo	sig	chr3_14819269
chr6	1.68E+08	167644916	+	1.719E-10	1.3729E-09	-0.27554	hypo	sig	chr6_167644916
chr19	55472578	55472578	+	1.721E-10	1.3742E-09	-0.22294	hypo	sig	chr19_55472578
chr7	35259043	35259043	+	1.722E-10	1.3749E-09	0.253243	hyper	sig	chr7_35259043
chr3	62374986	62374986	+	1.722E-10	1.3756E-09	0.204507	hyper	sig	chr3_62374986
chr3	1.2E+08	119810125	+	1.723E-10	1.3758E-09	0.243568	hyper	sig	chr3_119810125
chr1	1.96E+08	195721907	+	1.724E-10	1.3769E-09	-0.2267	hypo	sig	chr1_195721907
chr4	54103870	54103870	+	1.726E-10	1.378E-09	0.231534	hyper	sig	chr4_54103870
chr19	1993023	1993023	+	1.726E-10	1.3783E-09	-0.26909	hypo	sig	chr19_1993023
chr14	1.04E+08	104095133	+	1.726E-10	1.3785E-09	-0.24336	hypo	sig	chr14_104095133
chr13	70924253	70924253	+	1.726E-10	1.3787E-09	-0.25304	hypo	sig	chr13_70924253

chr7	1.58E+08	158280403	+	1.726E-10	1.3787E-09	-0.2561	hypo	sig	chr7_158280403
chr5	1.41E+08	140856434	+	1.727E-10	1.3792E-09	0.21749	hyper	sig	chr5_140856434
chr11	49893799	49893799	+	1.727E-10	1.3793E-09	-0.24358	hypo	sig	chr11_49893799
chr14	60643375	60643375	+	1.727E-10	1.3793E-09	0.242847	hyper	sig	chr14_60643375
chr15	1.01E+08	100849540	+	1.728E-10	1.3796E-09	0.210145	hyper	sig	chr15_100849540
chr2	1.76E+08	176117553	+	1.729E-10	1.3809E-09	0.212696	hyper	sig	chr2_176117553
chr16	2497628	2497628	+	1.73E-10	1.3814E-09	0.267817	hyper	sig	chr16_2497628
chr10	81876615	81876615	+	1.731E-10	1.3822E-09	0.221423	hyper	sig	chr10_81876615
chr11	65783048	65783048	+	1.731E-10	1.3824E-09	-0.27996	hypo	sig	chr11_65783048
chr9	1.37E+08	137438669	+	1.731E-10	1.3824E-09	-0.20882	hypo	sig	chr9_137438669
chr5	1.41E+08	141427703	+	1.732E-10	1.3828E-09	0.204344	hyper	sig	chr5_141427703
chr13	1.11E+08	110869610	+	1.733E-10	1.3833E-09	-0.26782	hypo	sig	chr13_110869610
chr19	46303778	46303778	+	1.737E-10	1.3864E-09	-0.22177	hypo	sig	chr19_46303778
chr4	7102521	7102521	+	1.737E-10	1.3868E-09	-0.20115	hypo	sig	chr4_7102521
chr10	1.33E+08	132885358	+	1.739E-10	1.3882E-09	-0.26913	hypo	sig	chr10_132885358
chr5	1.41E+08	140788102	+	1.74E-10	1.3889E-09	0.217631	hyper	sig	chr5_140788102
chr17	74671688	74671688	+	1.741E-10	1.3898E-09	0.226917	hyper	sig	chr17_74671688
chr19	10120968	10120968	+	1.742E-10	1.3902E-09	-0.27793	hypo	sig	chr19_10120968
chr4	7630656	7630656	+	1.742E-10	1.3905E-09	0.215777	hyper	sig	chr4_7630656
chr9	1.35E+08	134816861	+	1.743E-10	1.391E-09	-0.26047	hypo	sig	chr9_134816861
chr18	37398075	37398075	+	1.744E-10	1.3919E-09	-0.21861	hypo	sig	chr18_37398075
chr1	1.48E+08	148329041	+	1.744E-10	1.3923E-09	0.207679	hyper	sig	chr1_148329041
chr19	1009856	1009856	+	1.745E-10	1.3924E-09	0.208727	hyper	sig	chr19_1009856
chr2	1.2E+08	120346418	+	1.747E-10	1.3945E-09	0.208539	hyper	sig	chr2_120346418
chr19	1946094	1946094	+	1.747E-10	1.3945E-09	0.244388	hyper	sig	chr19_1946094
chr16	89834365	89834365	+	1.748E-10	1.3946E-09	-0.27039	hypo	sig	chr16_89834365
chr7	98618430	98618430	+	1.748E-10	1.3946E-09	0.206927	hyper	sig	chr7_98618430
chr22	45309113	45309113	+	1.748E-10	1.3952E-09	-0.2213	hypo	sig	chr22_45309113
chr15	80777348	80777348	+	1.75E-10	1.3962E-09	-0.2119	hypo	sig	chr15_80777348
chr1	17617824	17617824	+	1.75E-10	1.3962E-09	0.235139	hyper	sig	chr1_17617824
chr11	64891664	64891664	+	1.75E-10	1.3964E-09	-0.25031	hypo	sig	chr11_64891664
chr7	27143864	27143864	+	1.751E-10	1.3971E-09	0.266799	hyper	sig	chr7_27143864
chr2	1.76E+08	176157639	+	1.751E-10	1.3976E-09	-0.21793	hypo	sig	chr2_176157639
chr19	41844673	41844673	+	1.752E-10	1.3977E-09	-0.23039	hypo	sig	chr19_41844673
chr10	1.03E+08	103479207	+	1.752E-10	1.3977E-09	-0.20774	hypo	sig	chr10_103479207
chr14	89429357	89429357	+	1.752E-10	1.398E-09	0.210401	hyper	sig	chr14_89429357
chr11	1.17E+08	117204336	+	1.753E-10	1.3984E-09	0.272182	hyper	sig	chr11_117204336
chr7	1315090	1315090	+	1.753E-10	1.3985E-09	-0.29817	hypo	sig	chr7_1315090
chr20	59601158	59601158	+	1.753E-10	1.3987E-09	-0.2379	hypo	sig	chr20_59601158
chr7	54701196	54701196	+	1.754E-10	1.3994E-09	-0.23168	hypo	sig	chr7_54701196
chr10	43131034	43131034	+	1.754E-10	1.3998E-09	-0.2234	hypo	sig	chr10_43131034
chr2	1479005	1479005	+	1.755E-10	1.3999E-09	-0.24177	hypo	sig	chr2_1479005
chr12	54047474	54047474	+	1.755E-10	1.4004E-09	0.246592	hyper	sig	chr12_54047474
chr18	78126786	78126786	+	1.756E-10	1.4008E-09	0.247302	hyper	sig	chr18_78126786
chr2	2.18E+08	218389873	+	1.757E-10	1.4013E-09	-0.29352	hypo	sig	chr2_218389873
chr1	2906145	2906145	+	1.757E-10	1.4013E-09	0.211269	hyper	sig	chr1_2906145
chr15	89408012	89408012	+	1.758E-10	1.4022E-09	0.234161	hyper	sig	chr15_89408012
chr7	1.59E+08	159026807	+	1.758E-10	1.4024E-09	-0.20967	hypo	sig	chr7_159026807
chr10	22477124	22477124	+	1.758E-10	1.4024E-09	0.217081	hyper	sig	chr10_22477124
chr12	6075419	6075419	+	1.758E-10	1.4026E-09	-0.25438	hypo	sig	chr12_6075419
chr19	670617	670617	+	1.76E-10	1.4035E-09	-0.25695	hypo	sig	chr19_670617
chr12	1.25E+08	124506351	+	1.76E-10	1.4042E-09	0.202727	hyper	sig	chr12_124506351
chr19	1177576	1177576	+	1.761E-10	1.405E-09	-0.22561	hypo	sig	chr19_1177576
chr10	69421900	69421900	+	1.762E-10	1.405E-09	0.233673	hyper	sig	chr10_69421900
chr17	22217363	22217363	+	1.762E-10	1.4052E-09	0.219773	hyper	sig	chr17_22217363
chr10	1.02E+08	102419173	+	1.763E-10	1.4065E-09	0.216555	hyper	sig	chr10_102419173

chr15	83283845	83283845	+	1.764E-10	1.4072E-09	0.218032	hyper	sig	chr15_83283845
chr3	1.23E+08	122926500	+	1.764E-10	1.4073E-09	-0.20084	hypo	sig	chr3_122926500
chr4	1.57E+08	156977609	+	1.765E-10	1.4075E-09	-0.21804	hypo	sig	chr4_156977609
chr22	48055790	48055790	+	1.766E-10	1.4085E-09	-0.22685	hypo	sig	chr22_48055790
chr2	2.42E+08	242047730	+	1.766E-10	1.4087E-09	0.207337	hyper	sig	chr2_242047730
chr4	1.44E+08	143912309	+	1.769E-10	1.4107E-09	0.283301	hyper	sig	chr4_143912309
chr1	3031312	3031312	+	1.769E-10	1.4109E-09	-0.26246	hypo	sig	chr1_3031312
chr11	65418243	65418243	+	1.77E-10	1.4112E-09	0.23199	hyper	sig	chr11_65418243
chr12	1.32E+08	132334147	+	1.77E-10	1.4112E-09	-0.22052	hypo	sig	chr12_132334147
chr2	497344	497344	+	1.77E-10	1.4112E-09	-0.25257	hypo	sig	chr2_497344
chr16	49278046	49278046	+	1.77E-10	1.4114E-09	0.210955	hyper	sig	chr16_49278046
chr14	91400472	91400472	+	1.771E-10	1.4122E-09	-0.22877	hypo	sig	chr14_91400472
chr2	2.39E+08	239260156	+	1.771E-10	1.4123E-09	-0.25605	hypo	sig	chr2_239260156
chr5	1089552	1089552	+	1.772E-10	1.4131E-09	0.212283	hyper	sig	chr5_1089552
chr7	1.59E+08	158982289	+	1.773E-10	1.4135E-09	-0.24708	hypo	sig	chr7_158982289
chr7	1.3E+08	130491725	+	1.775E-10	1.4149E-09	0.239794	hyper	sig	chr7_130491725
chr7	1.58E+08	157902736	+	1.776E-10	1.4161E-09	-0.26473	hypo	sig	chr7_157902736
chr8	1.43E+08	142771085	+	1.776E-10	1.4162E-09	-0.30139	hypo	sig	chr8_142771085
chr6	1.23E+08	122997854	+	1.776E-10	1.4162E-09	-0.20445	hypo	sig	chr6_122997854
chr7	1.57E+08	156949108	+	1.778E-10	1.4173E-09	0.200032	hyper	sig	chr7_156949108
chr5	77632667	77632667	+	1.778E-10	1.4176E-09	0.257277	hyper	sig	chr5_77632667
chr8	1.42E+08	141520665	+	1.779E-10	1.4185E-09	-0.28627	hypo	sig	chr8_141520665
chr19	57321044	57321044	+	1.78E-10	1.4193E-09	0.202697	hyper	sig	chr19_57321044
chr1	92481371	92481371	+	1.78E-10	1.4193E-09	0.283806	hyper	sig	chr1_92481371
chr5	1.73E+08	173244558	+	1.781E-10	1.4198E-09	0.233784	hyper	sig	chr5_173244558
chr13	1.08E+08	107866521	+	1.782E-10	1.4206E-09	0.221763	hyper	sig	chr13_107866521
chr1	16759368	16759368	+	1.782E-10	1.4208E-09	0.229323	hyper	sig	chr1_16759368
chr16	10775397	10775397	+	1.783E-10	1.4214E-09	-0.20969	hypo	sig	chr16_10775397
chr20	64062590	64062590	+	1.783E-10	1.4215E-09	0.219229	hyper	sig	chr20_64062590
chr12	6935594	6935594	+	1.784E-10	1.4223E-09	0.21732	hyper	sig	chr12_6935594
chr1	2.21E+08	220877657	+	1.784E-10	1.4223E-09	0.272114	hyper	sig	chr1_220877657
chr17	72118028	72118028	+	1.784E-10	1.4224E-09	0.201682	hyper	sig	chr17_72118028
chr6	22294629	22294629	+	1.784E-10	1.4224E-09	0.203374	hyper	sig	chr6_22294629
chr1	38044525	38044525	+	1.785E-10	1.4225E-09	0.208209	hyper	sig	chr1_38044525
chr6	77467008	77467008	+	1.785E-10	1.4229E-09	0.20024	hyper	sig	chr6_77467008
chr7	4135514	4135514	+	1.785E-10	1.4229E-09	-0.23471	hypo	sig	chr7_4135514
chr16	1030838	1030838	+	1.786E-10	1.4237E-09	-0.23518	hypo	sig	chr16_1030838
chr12	1.3E+08	130186317	+	1.788E-10	1.4248E-09	-0.21371	hypo	sig	chr12_130186317
chr12	85273673	85273673	+	1.789E-10	1.4255E-09	0.20555	hyper	sig	chr12_85273673
chr13	1.03E+08	102774202	+	1.789E-10	1.4257E-09	0.282814	hyper	sig	chr13_102774202
chr2	2.42E+08	242012016	+	1.789E-10	1.426E-09	-0.22189	hypo	sig	chr2_242012016
chr6	1.14E+08	113860563	+	1.79E-10	1.4265E-09	0.23045	hyper	sig	chr6_113860563
chr21	46099580	46099580	+	1.79E-10	1.4266E-09	0.208236	hyper	sig	chr21_46099580
chr5	2096818	2096818	+	1.791E-10	1.4271E-09	-0.27832	hypo	sig	chr5_2096818
chr12	1.32E+08	132315603	+	1.791E-10	1.4276E-09	-0.21257	hypo	sig	chr12_132315603
chr15	37096315	37096315	+	1.791E-10	1.4276E-09	0.233333	hyper	sig	chr15_37096315
chr2	26971493	26971493	+	1.791E-10	1.4276E-09	0.22281	hyper	sig	chr2_26971493
chr1	79006619	79006619	+	1.792E-10	1.4278E-09	0.220714	hyper	sig	chr1_79006619
chr17	50602997	50602997	+	1.792E-10	1.4278E-09	-0.25945	hypo	sig	chr17_50602997
chr17	44758529	44758529	+	1.792E-10	1.4281E-09	0.242727	hyper	sig	chr17_44758529
chr10	1.33E+08	133100364	+	1.793E-10	1.4288E-09	-0.21402	hypo	sig	chr10_133100364
chr2	2.42E+08	241552456	+	1.794E-10	1.4293E-09	-0.20791	hypo	sig	chr2_241552456
chr4	4763602	4763602	+	1.794E-10	1.4294E-09	0.203985	hyper	sig	chr4_4763602
chr15	90100595	90100595	+	1.794E-10	1.4294E-09	0.215892	hyper	sig	chr15_90100595
chr2	10042443	10042443	+	1.794E-10	1.4297E-09	0.301539	hyper	sig	chr2_10042443
chr16	3065905	3065905	+	1.795E-10	1.4306E-09	-0.24921	hypo	sig	chr16_3065905

chr22	21416620	21416620	+	1.796E-10	1.4307E-09	0.230041	hyper	sig	chr22_21416620
chr10	6178947	6178947	+	1.796E-10	1.4311E-09	0.220084	hyper	sig	chr10_6178947
chr6	49713621	49713621	+	1.797E-10	1.4316E-09	0.223964	hyper	sig	chr6_49713621
chr10	92420394	92420394	+	1.797E-10	1.432E-09	0.218137	hyper	sig	chr10_92420394
chr19	37544931	37544931	+	1.797E-10	1.4321E-09	-0.2018	hypo	sig	chr19_37544931
chr6	1E+08	100467336	+	1.798E-10	1.4323E-09	0.21809	hyper	sig	chr6_100467336
chr1	1251028	1251028	+	1.801E-10	1.4347E-09	-0.21404	hypo	sig	chr1_1251028
chr7	1.01E+08	100707068	+	1.801E-10	1.4347E-09	0.212337	hyper	sig	chr7_100707068
chr6	28988775	28988775	+	1.802E-10	1.4358E-09	0.211639	hyper	sig	chr6_28988775
chr1	1.19E+08	118987325	+	1.803E-10	1.436E-09	0.27442	hyper	sig	chr1_118987325
chr20	16574491	16574491	+	1.803E-10	1.4361E-09	-0.31778	hypo	sig	chr20_16574491
chr2	80303201	80303201	+	1.804E-10	1.4373E-09	0.231371	hyper	sig	chr2_80303201
chr19	7682340	7682340	+	1.805E-10	1.4382E-09	0.274509	hyper	sig	chr19_7682340
chr2	1.19E+08	118842426	+	1.806E-10	1.4385E-09	0.26353	hyper	sig	chr2_118842426
chr15	88769889	88769889	+	1.806E-10	1.4387E-09	0.211954	hyper	sig	chr15_88769889
chr13	87677211	87677211	+	1.807E-10	1.4394E-09	0.200626	hyper	sig	chr13_87677211
chr12	98895571	98895571	+	1.807E-10	1.4396E-09	0.260662	hyper	sig	chr12_98895571
chr19	19514445	19514445	+	1.808E-10	1.4398E-09	0.267797	hyper	sig	chr19_19514445
chr3	13204226	13204226	+	1.808E-10	1.4403E-09	0.258122	hyper	sig	chr3_13204226
chr16	57528810	57528810	+	1.81E-10	1.4414E-09	-0.27446	hypo	sig	chr16_57528810
chr10	1.27E+08	126906439	+	1.81E-10	1.4419E-09	0.32336	hyper	sig	chr10_126906439
chr3	36763850	36763850	+	1.811E-10	1.4421E-09	0.278533	hyper	sig	chr3_36763850
chr13	1.13E+08	112842405	+	1.812E-10	1.4427E-09	0.231476	hyper	sig	chr13_112842405
chr19	733352	733352	+	1.812E-10	1.4428E-09	-0.2352	hypo	sig	chr19_733352
chr2	731289	731289	+	1.812E-10	1.443E-09	-0.20518	hypo	sig	chr2_731289
chr1	4653937	4653937	+	1.814E-10	1.4443E-09	0.285631	hyper	sig	chr1_4653937
chr14	36506166	36506166	+	1.817E-10	1.4471E-09	0.245206	hyper	sig	chr14_36506166
chr19	47573442	47573442	+	1.817E-10	1.4471E-09	0.288237	hyper	sig	chr19_47573442
chr3	1.26E+08	126341358	+	1.817E-10	1.4471E-09	-0.20994	hypo	sig	chr3_126341358
chr8	1.42E+08	141723919	+	1.818E-10	1.448E-09	0.215715	hyper	sig	chr8_141723919
chr7	533462	533462	+	1.822E-10	1.4507E-09	-0.22386	hypo	sig	chr7_533462
chr20	59751042	59751042	+	1.823E-10	1.4516E-09	-0.24346	hypo	sig	chr20_59751042
chr15	79091089	79091089	+	1.823E-10	1.4518E-09	0.229276	hyper	sig	chr15_79091089
chr15	31089613	31089613	+	1.824E-10	1.4524E-09	0.229026	hyper	sig	chr15_31089613
chr4	1.3E+08	130037667	+	1.824E-10	1.4524E-09	-0.22348	hypo	sig	chr4_130037667
chr10	15718998	15718998	+	1.825E-10	1.4531E-09	0.249243	hyper	sig	chr10_15718998
chr19	406313	406313	+	1.827E-10	1.4544E-09	-0.2273	hypo	sig	chr19_406313
chr1	27350804	27350804	+	1.828E-10	1.4554E-09	0.252789	hyper	sig	chr1_27350804
chr1	1.47E+08	147178272	+	1.828E-10	1.4556E-09	0.202901	hyper	sig	chr1_147178272
chr17	75105913	75105913	+	1.829E-10	1.4561E-09	-0.21453	hypo	sig	chr17_75105913
chr5	1.77E+08	177484796	+	1.829E-10	1.4562E-09	0.213028	hyper	sig	chr5_177484796
chr3	9552385	9552385	+	1.831E-10	1.4572E-09	0.301206	hyper	sig	chr3_9552385
chr7	946009	946009	+	1.831E-10	1.4573E-09	-0.2174	hypo	sig	chr7_946009
chr22	37805900	37805900	+	1.833E-10	1.4588E-09	0.232772	hyper	sig	chr22_37805900
chr10	1.3E+08	130191123	+	1.833E-10	1.4591E-09	0.240428	hyper	sig	chr10_130191123
chr22	42079140	42079140	+	1.838E-10	1.4628E-09	0.267196	hyper	sig	chr22_42079140
chr1	9323242	9323242	+	1.838E-10	1.4633E-09	0.251522	hyper	sig	chr1_9323242
chr22	38429944	38429944	+	1.84E-10	1.4644E-09	0.216537	hyper	sig	chr22_38429944
chr3	1.94E+08	194203752	+	1.842E-10	1.4659E-09	-0.21771	hypo	sig	chr3_194203752
chr7	1.58E+08	157993139	+	1.843E-10	1.4667E-09	-0.22754	hypo	sig	chr7_157993139
chr3	1.29E+08	128559760	+	1.843E-10	1.4669E-09	-0.21112	hypo	sig	chr3_128559760
chr14	93788205	93788205	+	1.844E-10	1.4676E-09	0.203245	hyper	sig	chr14_93788205
chr10	1.05E+08	104641509	+	1.844E-10	1.4678E-09	0.220356	hyper	sig	chr10_104641509
chr1	1.53E+08	152686287	+	1.846E-10	1.4692E-09	-0.21603	hypo	sig	chr1_152686287
chr1	2.1E+08	209937867	+	1.847E-10	1.4698E-09	0.239039	hyper	sig	chr1_209937867
chr19	41328052	41328052	+	1.847E-10	1.4698E-09	-0.26085	hypo	sig	chr19_41328052

chr5	1.41E+08	141408921	+	1.849E-10	1.471E-09	0.221988	hyper	sig	chr5_141408921
chr1	2815801	2815801	+	1.85E-10	1.472E-09	-0.24628	hypo	sig	chr1_2815801
chr19	7006432	7006432	+	1.851E-10	1.473E-09	-0.21919	hypo	sig	chr19_7006432
chr13	64959294	64959294	+	1.852E-10	1.4736E-09	-0.21552	hypo	sig	chr13_64959294
chr18	48650	48650	+	1.853E-10	1.4741E-09	-0.2102	hypo	sig	chr18_48650
chr2	2.39E+08	239111081	+	1.853E-10	1.4742E-09	0.204851	hyper	sig	chr2_239111081
chr17	39687430	39687430	+	1.854E-10	1.4748E-09	-0.22989	hypo	sig	chr17_39687430
chr10	1.33E+08	132544997	+	1.855E-10	1.4758E-09	0.20159	hyper	sig	chr10_132544997
chr6	1.68E+08	168150600	+	1.855E-10	1.4762E-09	-0.21176	hypo	sig	chr6_168150600
chr7	1.02E+08	102258368	+	1.856E-10	1.4763E-09	-0.21743	hypo	sig	chr7_102258368
chr18	57123111	57123111	+	1.856E-10	1.4767E-09	0.24127	hyper	sig	chr18_57123111
chr12	47942327	47942327	+	1.857E-10	1.4772E-09	0.28341	hyper	sig	chr12_47942327
chr14	89701115	89701115	+	1.857E-10	1.4776E-09	-0.20869	hypo	sig	chr14_89701115
chr7	4805966	4805966	+	1.858E-10	1.4781E-09	-0.30932	hypo	sig	chr7_4805966
chr5	1.41E+08	141101245	+	1.859E-10	1.4787E-09	0.230733	hyper	sig	chr5_141101245
chr2	2.39E+08	239110043	+	1.861E-10	1.48E-09	0.203338	hyper	sig	chr2_239110043
chr6	11933112	11933112	+	1.861E-10	1.4806E-09	0.216107	hyper	sig	chr6_11933112
chr6	1.61E+08	161140094	+	1.863E-10	1.4815E-09	-0.22392	hypo	sig	chr6_161140094
chr7	64030771	64030771	+	1.863E-10	1.482E-09	-0.21264	hypo	sig	chr7_64030771
chr17	79090386	79090386	+	1.863E-10	1.4822E-09	0.294964	hyper	sig	chr17_79090386
chr12	1.27E+08	127146267	+	1.864E-10	1.4823E-09	0.227239	hyper	sig	chr12_127146267
chr2	497035	497035	+	1.864E-10	1.4824E-09	-0.20497	hypo	sig	chr2_497035
chr4	41751872	41751872	+	1.864E-10	1.4829E-09	0.21294	hyper	sig	chr4_41751872
chr12	1644736	1644736	+	1.866E-10	1.4839E-09	0.207566	hyper	sig	chr12_1644736
chr6	37649091	37649091	+	1.866E-10	1.4843E-09	0.27591	hyper	sig	chr6_37649091
chr16	31569677	31569677	+	1.867E-10	1.4852E-09	0.230991	hyper	sig	chr16_31569677
chr1	1.56E+08	156161453	+	1.868E-10	1.4857E-09	0.213504	hyper	sig	chr1_156161453
chr4	42149265	42149265	+	1.868E-10	1.4857E-09	-0.22382	hypo	sig	chr4_42149265
chr2	80324281	80324281	+	1.869E-10	1.4863E-09	-0.23602	hypo	sig	chr2_80324281
chr17	80002854	80002854	+	1.87E-10	1.4874E-09	-0.23135	hypo	sig	chr17_80002854
chr7	31053548	31053548	+	1.872E-10	1.4885E-09	0.256838	hyper	sig	chr7_31053548
chr12	1.14E+08	114406437	+	1.873E-10	1.4897E-09	0.211882	hyper	sig	chr12_114406437
chr8	23705585	23705585	+	1.873E-10	1.4897E-09	0.286566	hyper	sig	chr8_23705585
chr10	1.3E+08	129899048	+	1.874E-10	1.4899E-09	0.223974	hyper	sig	chr10_129899048
chr17	19747971	19747971	+	1.874E-10	1.4899E-09	-0.25493	hypo	sig	chr17_19747971
chr9	14993652	14993652	+	1.874E-10	1.4899E-09	0.235406	hyper	sig	chr9_14993652
chr15	89410104	89410104	+	1.875E-10	1.4909E-09	0.202075	hyper	sig	chr15_89410104
chr19	4377263	4377263	+	1.875E-10	1.491E-09	-0.23835	hypo	sig	chr19_4377263
chr16	85735293	85735293	+	1.876E-10	1.4916E-09	-0.26008	hypo	sig	chr16_85735293
chr19	57119206	57119206	+	1.876E-10	1.4917E-09	0.217331	hyper	sig	chr19_57119206
chr5	81394690	81394690	+	1.878E-10	1.4928E-09	0.217508	hyper	sig	chr5_81394690
chr16	56589207	56589207	+	1.88E-10	1.4943E-09	0.206998	hyper	sig	chr16_56589207
chr11	65418228	65418228	+	1.883E-10	1.497E-09	0.223672	hyper	sig	chr11_65418228
chr7	1.56E+08	155922355	+	1.883E-10	1.4972E-09	-0.22534	hypo	sig	chr7_155922355
chr12	1.31E+08	130712514	+	1.883E-10	1.4972E-09	-0.2195	hypo	sig	chr12_130712514
chr9	96219231	96219231	+	1.884E-10	1.4974E-09	-0.25293	hypo	sig	chr9_96219231
chr6	1.67E+08	166657128	+	1.884E-10	1.498E-09	-0.24181	hypo	sig	chr6_166657128
chr7	119309	119309	+	1.886E-10	1.4989E-09	-0.21521	hypo	sig	chr7_119309
chr11	2909273	2909273	+	1.888E-10	1.5008E-09	0.268402	hyper	sig	chr11_2909273
chr22	37206502	37206502	+	1.889E-10	1.5019E-09	-0.23792	hypo	sig	chr22_37206502
chr19	10671083	10671083	+	1.892E-10	1.5038E-09	0.214706	hyper	sig	chr19_10671083
chr8	1054113	1054113	+	1.892E-10	1.504E-09	0.202914	hyper	sig	chr8_1054113
chr7	1.13E+08	113086560	+	1.892E-10	1.5041E-09	0.213153	hyper	sig	chr7_113086560
chr6	30111868	30111868	+	1.892E-10	1.5041E-09	-0.21479	hypo	sig	chr6_30111868
chr5	2748063	2748063	+	1.893E-10	1.5043E-09	0.215992	hyper	sig	chr5_2748063
chr9	95363207	95363207	+	1.893E-10	1.5048E-09	-0.20164	hypo	sig	chr9_95363207

chr6	1.7E+08	170089808	+	1.894E-10	1.5056E-09	-0.25631	hypo	sig	chr6_170089808
chr19	1766325	1766325	+	1.895E-10	1.5064E-09	0.218271	hyper	sig	chr19_1766325
chr19	45952981	45952981	+	1.895E-10	1.5064E-09	0.241413	hyper	sig	chr19_45952981
chr22	39995449	39995449	+	1.897E-10	1.5074E-09	-0.21312	hypo	sig	chr22_39995449
chr12	52258910	52258910	+	1.897E-10	1.5075E-09	0.288814	hyper	sig	chr12_52258910
chr1	63329693	63329693	+	1.897E-10	1.5076E-09	0.222173	hyper	sig	chr1_63329693
chr14	70186997	70186997	+	1.897E-10	1.5077E-09	0.234516	hyper	sig	chr14_70186997
chr20	4814748	4814748	+	1.898E-10	1.5086E-09	-0.20977	hypo	sig	chr20_4814748
chr11	69891488	69891488	+	1.899E-10	1.5087E-09	-0.29488	hypo	sig	chr11_69891488
chr4	83113237	83113237	+	1.899E-10	1.5088E-09	-0.20833	hypo	sig	chr4_83113237
chr19	48268388	48268388	+	1.899E-10	1.509E-09	-0.29752	hypo	sig	chr19_48268388
chr12	1.17E+08	117033901	+	1.901E-10	1.5106E-09	0.228269	hyper	sig	chr12_117033901
chr5	1.41E+08	140877219	+	1.901E-10	1.5107E-09	0.295969	hyper	sig	chr5_140877219
chr17	74671069	74671069	+	1.902E-10	1.5115E-09	0.201852	hyper	sig	chr17_74671069
chr16	88898386	88898386	+	1.903E-10	1.5121E-09	-0.218	hypo	sig	chr16_88898386
chr12	1.14E+08	113796343	+	1.903E-10	1.5123E-09	0.218051	hyper	sig	chr12_113796343
chr9	1.22E+08	122227037	+	1.904E-10	1.5127E-09	0.221932	hyper	sig	chr9_122227037
chr20	38677068	38677068	+	1.904E-10	1.513E-09	-0.20873	hypo	sig	chr20_38677068
chr9	1.37E+08	136745544	+	1.906E-10	1.514E-09	-0.23044	hypo	sig	chr9_136745544
chr5	1.41E+08	141216307	+	1.907E-10	1.5148E-09	0.217679	hyper	sig	chr5_141216307
chr17	35515217	35515217	+	1.908E-10	1.516E-09	0.205389	hyper	sig	chr17_35515217
chr5	1504807	1504807	+	1.908E-10	1.5161E-09	-0.23827	hypo	sig	chr5_1504807
chr5	3597517	3597517	+	1.909E-10	1.5164E-09	0.288696	hyper	sig	chr5_3597517
chr3	62377393	62377393	+	1.909E-10	1.5165E-09	0.23648	hyper	sig	chr3_62377393
chr1	53077541	53077541	+	1.91E-10	1.5176E-09	-0.22561	hypo	sig	chr1_53077541
chr4	6753179	6753179	+	1.911E-10	1.518E-09	-0.24319	hypo	sig	chr4_6753179
chr7	1.56E+08	155803719	+	1.914E-10	1.5202E-09	0.279148	hyper	sig	chr7_155803719
chr7	1.58E+08	158141058	+	1.915E-10	1.5209E-09	-0.21272	hypo	sig	chr7_158141058
chr16	51113797	51113797	+	1.916E-10	1.5217E-09	0.238782	hyper	sig	chr16_51113797
chr12	95956985	95956985	+	1.916E-10	1.5217E-09	0.221199	hyper	sig	chr12_95956985
chr7	1.01E+08	100868216	+	1.916E-10	1.5218E-09	0.245229	hyper	sig	chr7_100868216
chr5	1.41E+08	140836027	+	1.917E-10	1.5225E-09	0.314987	hyper	sig	chr5_140836027
chr1	34176619	34176619	+	1.917E-10	1.5228E-09	0.202155	hyper	sig	chr1_34176619
chr17	79423452	79423452	+	1.919E-10	1.5241E-09	-0.22806	hypo	sig	chr17_79423452
chr19	50608444	50608444	+	1.919E-10	1.5243E-09	0.251942	hyper	sig	chr19_50608444
chr13	1.14E+08	114048807	+	1.921E-10	1.5257E-09	-0.28275	hypo	sig	chr13_114048807
chr12	48003805	48003805	+	1.921E-10	1.5259E-09	0.20661	hyper	sig	chr12_48003805
chr17	79464915	79464915	+	1.923E-10	1.5273E-09	-0.20635	hypo	sig	chr17_79464915
chr14	23419161	23419161	+	1.924E-10	1.5278E-09	-0.21295	hypo	sig	chr14_23419161
chr8	71547337	71547337	+	1.924E-10	1.5281E-09	0.207332	hyper	sig	chr8_71547337
chr1	1.52E+08	152108067	+	1.926E-10	1.5293E-09	0.201042	hyper	sig	chr1_152108067
chr8	1.41E+08	140557977	+	1.926E-10	1.5295E-09	0.264482	hyper	sig	chr8_140557977
chr6	31143329	31143329	+	1.927E-10	1.5302E-09	0.205941	hyper	sig	chr6_31143329
chr16	29220208	29220208	+	1.929E-10	1.5316E-09	0.245252	hyper	sig	chr16_29220208
chr16	47014090	47014090	+	1.929E-10	1.5316E-09	0.207938	hyper	sig	chr16_47014090
chr11	1037923	1037923	+	1.929E-10	1.5317E-09	-0.20024	hypo	sig	chr11_1037923
chr1	1.16E+08	116374960	+	1.929E-10	1.5318E-09	-0.22292	hypo	sig	chr1_116374960
chr17	42779570	42779570	+	1.929E-10	1.5319E-09	-0.22815	hypo	sig	chr17_42779570
chr7	5300592	5300592	+	1.931E-10	1.533E-09	-0.20331	hypo	sig	chr7_5300592
chr16	85196133	85196133	+	1.932E-10	1.5338E-09	0.23677	hyper	sig	chr16_85196133
chr6	1E+08	100467295	+	1.934E-10	1.5355E-09	0.258509	hyper	sig	chr6_100467295
chr2	1.76E+08	176083428	+	1.935E-10	1.5359E-09	0.215902	hyper	sig	chr2_176083428
chr19	58118400	58118400	+	1.936E-10	1.5367E-09	0.234576	hyper	sig	chr19_58118400
chr5	1.54E+08	154480161	+	1.937E-10	1.5378E-09	0.224972	hyper	sig	chr5_154480161
chr5	1.41E+08	140884458	+	1.938E-10	1.5384E-09	0.22629	hyper	sig	chr5_140884458
chr2	10428944	10428944	+	1.939E-10	1.5389E-09	-0.20286	hypo	sig	chr2_10428944

chr7	6524165	6524165	+	1.94E-10	1.54E-09	-0.31552	hypo	sig	chr7_6524165
chr16	48810461	48810461	+	1.941E-10	1.5407E-09	0.210843	hyper	sig	chr16_48810461
chr19	45952958	45952958	+	1.943E-10	1.5423E-09	0.269175	hyper	sig	chr19_45952958
chr10	52884109	52884109	+	1.943E-10	1.5424E-09	-0.21375	hypo	sig	chr10_52884109
chr18	37274296	37274296	+	1.944E-10	1.5427E-09	0.25574	hyper	sig	chr18_37274296
chr1	75127263	75127263	+	1.944E-10	1.5428E-09	0.233875	hyper	sig	chr1_75127263
chr12	1.24E+08	124411533	+	1.944E-10	1.5429E-09	0.203025	hyper	sig	chr12_124411533
chr5	1.76E+08	175682151	+	1.944E-10	1.543E-09	0.201987	hyper	sig	chr5_175682151
chr9	92809611	92809611	+	1.945E-10	1.5437E-09	0.202846	hyper	sig	chr9_92809611
chr6	27680726	27680726	+	1.947E-10	1.5449E-09	0.222919	hyper	sig	chr6_27680726
chr9	1.09E+08	108855863	+	1.948E-10	1.5457E-09	-0.20095	hypo	sig	chr9_108855863
chr19	51601166	51601166	+	1.948E-10	1.5462E-09	0.274554	hyper	sig	chr19_51601166
chr2	1.76E+08	176152842	+	1.949E-10	1.5464E-09	-0.22833	hypo	sig	chr2_176152842
chr20	37902531	37902531	+	1.949E-10	1.5468E-09	0.248208	hyper	sig	chr20_37902531
chr1	50416334	50416334	+	1.949E-10	1.547E-09	0.250515	hyper	sig	chr1_50416334
chr2	9820541	9820541	+	1.949E-10	1.547E-09	-0.25073	hypo	sig	chr2_9820541
chr8	10965584	10965584	+	1.951E-10	1.5482E-09	-0.20268	hypo	sig	chr8_10965584
chr13	99971972	99971972	+	1.951E-10	1.5484E-09	0.268713	hyper	sig	chr13_99971972
chr19	57947178	57947178	+	1.951E-10	1.5485E-09	0.208103	hyper	sig	chr19_57947178
chr21	46661722	46661722	+	1.954E-10	1.5501E-09	0.255809	hyper	sig	chr21_46661722
chr8	19602515	19602515	+	1.955E-10	1.5513E-09	0.245023	hyper	sig	chr8_19602515
chr16	31569239	31569239	+	1.956E-10	1.5518E-09	0.249452	hyper	sig	chr16_31569239
chr5	1.8E+08	180090152	+	1.957E-10	1.5524E-09	0.224916	hyper	sig	chr5_180090152
chr10	1.33E+08	133100099	+	1.957E-10	1.5531E-09	-0.20774	hypo	sig	chr10_133100099
chr12	53931076	53931076	+	1.959E-10	1.5543E-09	0.209519	hyper	sig	chr12_53931076
chr19	14085821	14085821	+	1.959E-10	1.5543E-09	0.340951	hyper	sig	chr19_14085821
chr1	1.5E+08	150151513	+	1.959E-10	1.5545E-09	0.240453	hyper	sig	chr1_150151513
chr17	79925179	79925179	+	1.959E-10	1.5545E-09	-0.21008	hypo	sig	chr17_79925179
chr16	533797	533797	+	1.96E-10	1.5548E-09	-0.24775	hypo	sig	chr16_533797
chr1	15407276	15407276	+	1.96E-10	1.555E-09	0.229557	hyper	sig	chr1_15407276
chr3	1.96E+08	195863185	+	1.963E-10	1.5572E-09	0.224996	hyper	sig	chr3_195863185
chr4	1.44E+08	143912319	+	1.964E-10	1.5582E-09	0.263558	hyper	sig	chr4_143912319
chr15	82039637	82039637	+	1.964E-10	1.5583E-09	-0.20449	hypo	sig	chr15_82039637
chr9	1.3E+08	129874123	+	1.964E-10	1.5583E-09	0.240904	hyper	sig	chr9_129874123
chr19	51002251	51002251	+	1.965E-10	1.5584E-09	-0.27651	hypo	sig	chr19_51002251
chr15	64700581	64700581	+	1.967E-10	1.5601E-09	0.263598	hyper	sig	chr15_64700581
chr20	1302831	1302831	+	1.969E-10	1.5614E-09	-0.21882	hypo	sig	chr20_1302831
chr1	2418295	2418295	+	1.969E-10	1.5618E-09	0.21523	hyper	sig	chr1_2418295
chr10	36818095	36818095	+	1.97E-10	1.5624E-09	-0.2029	hypo	sig	chr10_36818095
chr19	45324047	45324047	+	1.97E-10	1.5628E-09	0.258628	hyper	sig	chr19_45324047
chr5	1.77E+08	177116789	+	1.971E-10	1.563E-09	0.227106	hyper	sig	chr5_177116789
chr16	51156034	51156034	+	1.971E-10	1.5631E-09	0.23417	hyper	sig	chr16_51156034
chr14	28774102	28774102	+	1.971E-10	1.5631E-09	0.215981	hyper	sig	chr14_28774102
chr16	88927237	88927237	+	1.972E-10	1.5637E-09	-0.22962	hypo	sig	chr16_88927237
chr1	2207736	2207736	+	1.973E-10	1.5649E-09	0.201406	hyper	sig	chr1_2207736
chr16	86504616	86504616	+	1.974E-10	1.5651E-09	0.239123	hyper	sig	chr16_86504616
chr13	50132929	50132929	+	1.975E-10	1.566E-09	0.233036	hyper	sig	chr13_50132929
chr18	79430089	79430089	+	1.975E-10	1.5665E-09	-0.20854	hypo	sig	chr18_79430089
chr6	34137930	34137930	+	1.977E-10	1.5679E-09	-0.24739	hypo	sig	chr6_34137930
chr17	21275145	21275145	+	1.979E-10	1.569E-09	0.264532	hyper	sig	chr17_21275145
chr7	1.51E+08	151395204	+	1.979E-10	1.5692E-09	-0.20335	hypo	sig	chr7_151395204
chr16	31371689	31371689	+	1.98E-10	1.5697E-09	-0.20722	hypo	sig	chr16_31371689
chr2	9318936	9318936	+	1.981E-10	1.5708E-09	0.20982	hyper	sig	chr2_9318936
chr11	20161012	20161012	+	1.981E-10	1.5711E-09	0.203407	hyper	sig	chr11_20161012
chr22	17120158	17120158	+	1.982E-10	1.5714E-09	0.299083	hyper	sig	chr22_17120158
chr4	1.74E+08	173521387	+	1.983E-10	1.572E-09	0.260064	hyper	sig	chr4_173521387

chr12	1.24E+08	124289128	+	1.984E-10	1.5727E-09	0.214315	hyper	sig	chr12_124289128
chr9	1.36E+08	136356373	+	1.985E-10	1.5736E-09	-0.23441	hypo	sig	chr9_136356373
chr11	17385952	17385952	+	1.985E-10	1.5737E-09	-0.22191	hypo	sig	chr11_17385952
chr6	1.56E+08	156397377	+	1.987E-10	1.5749E-09	0.247066	hyper	sig	chr6_156397377
chr17	77403765	77403765	+	1.987E-10	1.5756E-09	0.217473	hyper	sig	chr17_77403765
chr11	72244614	72244614	+	1.988E-10	1.5759E-09	0.278652	hyper	sig	chr11_72244614
chr5	1.41E+08	141225725	+	1.989E-10	1.5765E-09	0.206557	hyper	sig	chr5_141225725
chr4	7517065	7517065	+	1.99E-10	1.5771E-09	-0.23542	hypo	sig	chr4_7517065
chr16	86444032	86444032	+	1.99E-10	1.5776E-09	-0.22454	hypo	sig	chr16_86444032
chr12	1.15E+08	114700241	+	1.991E-10	1.5786E-09	0.202081	hyper	sig	chr12_114700241
chr5	1.79E+08	179204792	+	1.992E-10	1.5788E-09	-0.25589	hypo	sig	chr5_179204792
chr16	68642782	68642782	+	1.993E-10	1.5794E-09	0.260872	hyper	sig	chr16_68642782
chr7	1.01E+08	100676917	+	1.993E-10	1.5794E-09	0.216339	hyper	sig	chr7_100676917
chr17	74925008	74925008	+	1.993E-10	1.5797E-09	0.228057	hyper	sig	chr17_74925008
chr16	72961220	72961220	+	1.993E-10	1.58E-09	-0.2428	hypo	sig	chr16_72961220
chr2	2.33E+08	233481875	+	1.994E-10	1.5806E-09	0.228781	hyper	sig	chr2_233481875
chr2	1.72E+08	171515586	+	1.995E-10	1.5811E-09	-0.23923	hypo	sig	chr2_171515586
chr17	17725380	17725380	+	1.995E-10	1.5814E-09	0.255627	hyper	sig	chr17_17725380
chr15	40510757	40510757	+	1.997E-10	1.5825E-09	-0.23989	hypo	sig	chr15_40510757
chr7	961343	961343	+	1.998E-10	1.5837E-09	0.217685	hyper	sig	chr7_961343
chr2	2.42E+08	241809524	+	1.999E-10	1.5841E-09	0.243655	hyper	sig	chr2_241809524
chr2	25204256	25204256	+	2E-10	1.5853E-09	0.24329	hyper	sig	chr2_25204256
chr5	13810123	13810123	+	2.001E-10	1.5857E-09	0.247234	hyper	sig	chr5_13810123
chr9	74498020	74498020	+	2.004E-10	1.588E-09	0.204293	hyper	sig	chr9_74498020
chr14	24172616	24172616	+	2.006E-10	1.5892E-09	0.239575	hyper	sig	chr14_24172616
chr1	3285462	3285462	+	2.007E-10	1.5903E-09	-0.22591	hypo	sig	chr1_3285462
chr7	1.52E+08	151736185	+	2.007E-10	1.5904E-09	0.200687	hyper	sig	chr7_151736185
chr7	1.01E+08	100868228	+	2.008E-10	1.5909E-09	0.258514	hyper	sig	chr7_100868228
chr19	53058391	53058391	+	2.009E-10	1.5919E-09	0.32809	hyper	sig	chr19_53058391
chr2	2.22E+08	222303443	+	2.009E-10	1.5921E-09	0.292237	hyper	sig	chr2_222303443
chr9	94607522	94607522	+	2.013E-10	1.5948E-09	-0.22618	hypo	sig	chr9_94607522
chr6	27762754	27762754	+	2.014E-10	1.5955E-09	0.221177	hyper	sig	chr6_27762754
chr16	10182892	10182892	+	2.014E-10	1.5957E-09	0.244827	hyper	sig	chr16_10182892
chr8	1.42E+08	142465532	+	2.015E-10	1.5959E-09	-0.20279	hypo	sig	chr8_142465532
chr16	85892031	85892031	+	2.017E-10	1.5979E-09	-0.2609	hypo	sig	chr16_85892031
chr22	37334993	37334993	+	2.018E-10	1.5987E-09	0.205152	hyper	sig	chr22_37334993
chr5	54884426	54884426	+	2.018E-10	1.5988E-09	0.267066	hyper	sig	chr5_54884426
chr2	38073803	38073803	+	2.02E-10	1.5998E-09	0.30557	hyper	sig	chr2_38073803
chr5	1.41E+08	141477412	+	2.02E-10	1.5999E-09	0.242051	hyper	sig	chr5_141477412
chr19	18008182	18008182	+	2.022E-10	1.6014E-09	0.207561	hyper	sig	chr19_18008182
chr1	2.05E+08	204674395	+	2.023E-10	1.6026E-09	-0.20712	hypo	sig	chr1_204674395
chr19	45499230	45499230	+	2.024E-10	1.6029E-09	0.251805	hyper	sig	chr19_45499230
chr5	1.69E+08	169301593	+	2.024E-10	1.6032E-09	0.257897	hyper	sig	chr5_169301593
chr16	918291	918291	+	2.024E-10	1.6032E-09	-0.20723	hypo	sig	chr16_918291
chr16	88497985	88497985	+	2.026E-10	1.6047E-09	0.240244	hyper	sig	chr16_88497985
chr8	41688557	41688557	+	2.027E-10	1.6053E-09	-0.24723	hypo	sig	chr8_41688557
chr17	79228321	79228321	+	2.029E-10	1.6067E-09	-0.21251	hypo	sig	chr17_79228321
chr5	10310597	10310597	+	2.029E-10	1.6071E-09	-0.21273	hypo	sig	chr5_10310597
chr21	45478773	45478773	+	2.032E-10	1.6093E-09	-0.20811	hypo	sig	chr21_45478773
chr16	86510917	86510917	+	2.035E-10	1.6114E-09	0.236281	hyper	sig	chr16_86510917
chr16	87278441	87278441	+	2.035E-10	1.6115E-09	-0.21795	hypo	sig	chr16_87278441
chr1	1.48E+08	148246747	+	2.038E-10	1.6134E-09	0.219857	hyper	sig	chr1_148246747
chr6	1388932	1388932	+	2.045E-10	1.6193E-09	0.209464	hyper	sig	chr6_1388932
chr14	60486227	60486227	+	2.045E-10	1.6193E-09	0.239673	hyper	sig	chr14_60486227
chr4	1.47E+08	146633024	+	2.046E-10	1.6196E-09	0.246425	hyper	sig	chr4_146633024
chr7	1810673	1810673	+	2.046E-10	1.6203E-09	0.233817	hyper	sig	chr7_1810673

chr7	8437471	8437471	+	2.047E-10	1.6206E-09	0.20227	hyper	sig	chr7_8437471
chr5	1.79E+08	178577076	+	2.047E-10	1.6209E-09	0.230221	hyper	sig	chr5_178577076
chr15	74236378	74236378	+	2.047E-10	1.6209E-09	-0.21105	hypo	sig	chr15_74236378
chr5	88689425	88689425	+	2.047E-10	1.6209E-09	0.237705	hyper	sig	chr5_88689425
chr8	24956541	24956541	+	2.048E-10	1.6214E-09	0.223201	hyper	sig	chr8_24956541
chr15	91915875	91915875	+	2.049E-10	1.6224E-09	-0.22925	hypo	sig	chr15_91915875
chr14	23550834	23550834	+	2.05E-10	1.6225E-09	0.211011	hyper	sig	chr14_23550834
chr10	52411149	52411149	+	2.05E-10	1.623E-09	0.217011	hyper	sig	chr10_52411149
chr17	81050265	81050265	+	2.052E-10	1.6248E-09	-0.26487	hypo	sig	chr17_81050265
chr2	1.28E+08	127653173	+	2.053E-10	1.6252E-09	0.215392	hyper	sig	chr2_127653173
chr19	33622459	33622459	+	2.053E-10	1.6253E-09	0.282559	hyper	sig	chr19_33622459
chr2	949762	949762	+	2.053E-10	1.6253E-09	0.229974	hyper	sig	chr2_949762
chr17	79833123	79833123	+	2.054E-10	1.6258E-09	-0.22069	hypo	sig	chr17_79833123
chr5	1.41E+08	141332805	+	2.054E-10	1.6259E-09	0.239193	hyper	sig	chr5_141332805
chr4	6658038	6658038	+	2.055E-10	1.6263E-09	0.211144	hyper	sig	chr4_6658038
chr8	1.43E+08	142777220	+	2.057E-10	1.6281E-09	0.203259	hyper	sig	chr8_142777220
chr6	71421314	71421314	+	2.058E-10	1.6287E-09	0.21092	hyper	sig	chr6_71421314
chr13	36213688	36213688	+	2.058E-10	1.629E-09	-0.20552	hypo	sig	chr13_36213688
chr2	2.39E+08	239309284	+	2.058E-10	1.6291E-09	0.271798	hyper	sig	chr2_239309284
chr5	2371915	2371915	+	2.06E-10	1.6303E-09	-0.22333	hypo	sig	chr5_2371915
chr11	1771425	1771425	+	2.061E-10	1.631E-09	-0.24261	hypo	sig	chr11_1771425
chr2	73291093	73291093	+	2.062E-10	1.6316E-09	0.220973	hyper	sig	chr2_73291093
chr12	1.33E+08	132766842	+	2.064E-10	1.6332E-09	-0.20434	hypo	sig	chr12_132766842
chr2	1.27E+08	127024893	+	2.064E-10	1.6334E-09	0.283224	hyper	sig	chr2_127024893
chr10	1.3E+08	129899041	+	2.065E-10	1.6339E-09	0.209356	hyper	sig	chr10_129899041
chr17	81681772	81681772	+	2.065E-10	1.6341E-09	0.202191	hyper	sig	chr17_81681772
chr17	35515269	35515269	+	2.066E-10	1.6348E-09	0.205688	hyper	sig	chr17_35515269
chr22	42142899	42142899	+	2.066E-10	1.6348E-09	0.202014	hyper	sig	chr22_42142899
chr13	1.14E+08	114121751	+	2.066E-10	1.6351E-09	-0.25027	hypo	sig	chr13_114121751
chr4	1.3E+08	130090544	+	2.067E-10	1.6354E-09	-0.26812	hypo	sig	chr4_130090544
chr2	2.19E+08	219437215	+	2.07E-10	1.6375E-09	0.229171	hyper	sig	chr2_219437215
chr13	1.12E+08	112107414	+	2.07E-10	1.6378E-09	0.278197	hyper	sig	chr13_112107414
chr19	11530435	11530435	+	2.071E-10	1.6385E-09	-0.20852	hypo	sig	chr19_11530435
chr14	38199336	38199336	+	2.072E-10	1.6392E-09	-0.23021	hypo	sig	chr14_38199336
chr9	1.31E+08	130919128	+	2.073E-10	1.6404E-09	-0.21306	hypo	sig	chr9_130919128
chr1	2814376	2814376	+	2.074E-10	1.6405E-09	-0.25638	hypo	sig	chr1_2814376
chr6	1.68E+08	168196949	+	2.074E-10	1.6408E-09	-0.27794	hypo	sig	chr6_168196949
chr5	1.59E+08	159105336	+	2.074E-10	1.6411E-09	0.204044	hyper	sig	chr5_159105336
chr16	85982784	85982784	+	2.077E-10	1.6429E-09	-0.22273	hypo	sig	chr16_85982784
chr1	1143920	1143920	+	2.077E-10	1.6433E-09	-0.20093	hypo	sig	chr1_1143920
chr16	1050587	1050587	+	2.078E-10	1.6437E-09	-0.20671	hypo	sig	chr16_1050587
chr17	61404965	61404965	+	2.079E-10	1.6444E-09	0.200673	hyper	sig	chr17_61404965
chr20	58841863	58841863	+	2.079E-10	1.6447E-09	0.216378	hyper	sig	chr20_58841863
chr16	2497590	2497590	+	2.08E-10	1.6453E-09	0.226301	hyper	sig	chr16_2497590
chr14	88325520	88325520	+	2.08E-10	1.6455E-09	-0.2295	hypo	sig	chr14_88325520
chr2	2.33E+08	232634872	+	2.081E-10	1.646E-09	0.203816	hyper	sig	chr2_232634872
chr13	1.12E+08	111972530	+	2.081E-10	1.646E-09	0.217605	hyper	sig	chr13_111972530
chr16	2853182	2853182	+	2.082E-10	1.6465E-09	0.266727	hyper	sig	chr16_2853182
chr1	2.28E+08	227944391	+	2.084E-10	1.648E-09	0.330184	hyper	sig	chr1_227944391
chr11	61895499	61895499	+	2.084E-10	1.6484E-09	-0.21871	hypo	sig	chr11_61895499
chr2	74148378	74148378	+	2.085E-10	1.649E-09	0.222051	hyper	sig	chr2_74148378
chr15	52783459	52783459	+	2.085E-10	1.6493E-09	0.201144	hyper	sig	chr15_52783459
chr1	1.5E+08	149900168	+	2.086E-10	1.6498E-09	0.232567	hyper	sig	chr1_149900168
chr15	52180573	52180573	+	2.088E-10	1.6513E-09	0.210226	hyper	sig	chr15_52180573
chr14	1.01E+08	100725810	+	2.088E-10	1.6515E-09	-0.26658	hypo	sig	chr14_100725810
chr21	26967663	26967663	+	2.089E-10	1.6524E-09	0.233692	hyper	sig	chr21_26967663

chr10	86668538	86668538	+	2.09E-10	1.6529E-09	0.22286	hyper	sig	chr10_86668538
chr16	81558203	81558203	+	2.09E-10	1.6531E-09	-0.20558	hypo	sig	chr16_81558203
chr5	1.41E+08	141442114	+	2.09E-10	1.6531E-09	0.252205	hyper	sig	chr5_141442114
chr12	1.33E+08	132888405	+	2.092E-10	1.6544E-09	0.245879	hyper	sig	chr12_132888405
chr9	96048864	96048864	+	2.092E-10	1.6545E-09	0.209721	hyper	sig	chr9_96048864
chr3	13282133	13282133	+	2.093E-10	1.6547E-09	0.236035	hyper	sig	chr3_13282133
chr17	82342945	82342945	+	2.094E-10	1.6555E-09	-0.20054	hypo	sig	chr17_82342945
chr12	1.32E+08	131686976	+	2.095E-10	1.6561E-09	-0.20866	hypo	sig	chr12_131686976
chr2	1.31E+08	130600179	+	2.096E-10	1.6569E-09	-0.27028	hypo	sig	chr2_130600179
chr1	2.24E+08	223856801	+	2.097E-10	1.6577E-09	-0.25028	hypo	sig	chr1_223856801
chr5	28810538	28810538	+	2.098E-10	1.6585E-09	-0.24198	hypo	sig	chr5_28810538
chr5	1.72E+08	172178798	+	2.098E-10	1.6588E-09	-0.2031	hypo	sig	chr5_172178798
chr17	21573857	21573857	+	2.099E-10	1.6594E-09	0.247724	hyper	sig	chr17_21573857
chr14	60643988	60643988	+	2.102E-10	1.6619E-09	0.214171	hyper	sig	chr14_60643988
chr5	1.71E+08	171313987	+	2.103E-10	1.6627E-09	0.226972	hyper	sig	chr5_171313987
chr2	1.19E+08	118853580	+	2.103E-10	1.6628E-09	0.218606	hyper	sig	chr2_118853580
chr6	34238967	34238967	+	2.104E-10	1.6631E-09	-0.24319	hypo	sig	chr6_34238967
chr3	47009996	47009996	+	2.105E-10	1.6641E-09	0.304713	hyper	sig	chr3_47009996
chr14	1.01E+08	100843049	+	2.106E-10	1.6646E-09	0.204441	hyper	sig	chr14_100843049
chr14	53952117	53952117	+	2.106E-10	1.6649E-09	0.225012	hyper	sig	chr14_53952117
chr12	1.12E+08	111788335	+	2.11E-10	1.6673E-09	0.234263	hyper	sig	chr12_111788335
chr6	70282741	70282741	+	2.111E-10	1.6685E-09	0.248951	hyper	sig	chr6_70282741
chr3	14819257	14819257	+	2.111E-10	1.6685E-09	-0.24866	hypo	sig	chr3_14819257
chr13	1.12E+08	112395376	+	2.112E-10	1.6689E-09	0.25	hyper	sig	chr13_112395376
chr5	1.41E+08	140850612	+	2.112E-10	1.6694E-09	0.22157	hyper	sig	chr5_140850612
chr11	1.11E+08	111308242	+	2.113E-10	1.6697E-09	-0.22731	hypo	sig	chr11_111308242
chr5	1.41E+08	141201184	+	2.116E-10	1.6718E-09	0.24973	hyper	sig	chr5_141201184
chr16	75248410	75248410	+	2.116E-10	1.6721E-09	0.2387	hyper	sig	chr16_75248410
chr14	22886213	22886213	+	2.117E-10	1.6732E-09	-0.20524	hypo	sig	chr14_22886213
chr6	1.06E+08	105986367	+	2.118E-10	1.6738E-09	0.217036	hyper	sig	chr6_105986367
chr12	1.07E+08	106582296	+	2.119E-10	1.6743E-09	0.2508	hyper	sig	chr12_106582296
chr2	2.42E+08	241926986	+	2.12E-10	1.6749E-09	-0.23868	hypo	sig	chr2_241926986
chr4	1.63E+08	163473997	+	2.12E-10	1.6749E-09	-0.20672	hypo	sig	chr4_163473997
chr4	1.1E+08	110200616	+	2.12E-10	1.6752E-09	-0.24014	hypo	sig	chr4_110200616
chr17	48564622	48564622	+	2.121E-10	1.6762E-09	0.233352	hyper	sig	chr17_48564622
chr13	1.12E+08	112343932	+	2.122E-10	1.6766E-09	-0.40023	hypo	sig	chr13_112343932
chr1	2E+08	200034950	+	2.122E-10	1.6766E-09	0.202478	hyper	sig	chr1_200034950
chr7	1604001	1604001	+	2.123E-10	1.6771E-09	-0.2619	hypo	sig	chr7_1604001
chr7	1.04E+08	103989108	+	2.123E-10	1.6771E-09	0.241811	hyper	sig	chr7_103989108
chr17	62666841	62666841	+	2.126E-10	1.68E-09	-0.20406	hypo	sig	chr17_62666841
chr1	1.5E+08	150282803	+	2.128E-10	1.6812E-09	0.260288	hyper	sig	chr1_150282803
chr17	505050	505050	+	2.129E-10	1.6821E-09	-0.20923	hypo	sig	chr17_505050
chr16	85615260	85615260	+	2.13E-10	1.6826E-09	-0.24137	hypo	sig	chr16_85615260
chr7	2019743	2019743	+	2.13E-10	1.6828E-09	-0.27399	hypo	sig	chr7_2019743
chr1	3168882	3168882	+	2.131E-10	1.6832E-09	-0.22766	hypo	sig	chr1_3168882
chr10	1.04E+08	103585071	+	2.132E-10	1.6841E-09	0.20599	hyper	sig	chr10_103585071
chr6	1.08E+08	108171063	+	2.132E-10	1.6843E-09	0.282665	hyper	sig	chr6_108171063
chr12	57727880	57727880	+	2.133E-10	1.6852E-09	0.34641	hyper	sig	chr12_57727880
chr11	67727217	67727217	+	2.136E-10	1.6869E-09	-0.289	hypo	sig	chr11_67727217
chr1	3673340	3673340	+	2.136E-10	1.687E-09	-0.24377	hypo	sig	chr1_3673340
chr10	86942620	86942620	+	2.136E-10	1.6874E-09	0.22622	hyper	sig	chr10_86942620
chr19	542032	542032	+	2.136E-10	1.6874E-09	0.246603	hyper	sig	chr19_542032
chr1	3768784	3768784	+	2.137E-10	1.6878E-09	-0.23081	hypo	sig	chr1_3768784
chr5	1.17E+08	116576605	+	2.137E-10	1.6883E-09	0.203041	hyper	sig	chr5_116576605
chr21	42362446	42362446	+	2.138E-10	1.6884E-09	0.211871	hyper	sig	chr21_42362446
chr17	82242738	82242738	+	2.138E-10	1.689E-09	0.232926	hyper	sig	chr17_82242738

chr6	32051942	32051942	+	2.139E-10	1.6899E-09	-0.29948	hypo	sig	chr6_32051942
chr10	1.33E+08	132520788	+	2.14E-10	1.6906E-09	0.206208	hyper	sig	chr10_132520788
chr15	41152422	41152422	+	2.142E-10	1.6915E-09	-0.28048	hypo	sig	chr15_41152422
chr15	40291068	40291068	+	2.142E-10	1.6915E-09	0.229697	hyper	sig	chr15_40291068
chr8	58147956	58147956	+	2.143E-10	1.6929E-09	-0.23574	hypo	sig	chr8_58147956
chr20	45471065	45471065	+	2.144E-10	1.6932E-09	0.202958	hyper	sig	chr20_45471065
chr4	24810148	24810148	+	2.144E-10	1.6933E-09	0.201258	hyper	sig	chr4_24810148
chr6	1.67E+08	166656837	+	2.146E-10	1.695E-09	-0.20379	hypo	sig	chr6_166656837
chr19	1482621	1482621	+	2.147E-10	1.6954E-09	-0.22315	hypo	sig	chr19_1482621
chr11	57464882	57464882	+	2.148E-10	1.6959E-09	0.251638	hyper	sig	chr11_57464882
chr5	1.69E+08	168529990	+	2.148E-10	1.6961E-09	0.237293	hyper	sig	chr5_168529990
chr22	37103494	37103494	+	2.151E-10	1.6983E-09	0.233437	hyper	sig	chr22_37103494
chr8	1.43E+08	143283846	+	2.151E-10	1.6985E-09	-0.22375	hypo	sig	chr8_143283846
chr11	1489442	1489442	+	2.153E-10	1.7002E-09	0.204792	hyper	sig	chr11_1489442
chr16	46639026	46639026	+	2.155E-10	1.7014E-09	-0.25519	hypo	sig	chr16_46639026
chr5	1.4E+08	139543682	+	2.155E-10	1.7015E-09	-0.20716	hypo	sig	chr5_139543682
chr17	44657177	44657177	+	2.159E-10	1.7042E-09	0.22281	hyper	sig	chr17_44657177
chr11	71615452	71615452	+	2.159E-10	1.7046E-09	-0.20611	hypo	sig	chr11_71615452
chr4	41873457	41873457	+	2.161E-10	1.7061E-09	0.321702	hyper	sig	chr4_41873457
chr6	28208206	28208206	+	2.162E-10	1.707E-09	0.234437	hyper	sig	chr6_28208206
chr1	46493033	46493033	+	2.163E-10	1.7072E-09	0.29153	hyper	sig	chr1_46493033
chr6	10887096	10887096	+	2.163E-10	1.7076E-09	0.213067	hyper	sig	chr6_10887096
chr13	27979475	27979475	+	2.164E-10	1.708E-09	0.241099	hyper	sig	chr13_27979475
chr2	2.38E+08	238131318	+	2.165E-10	1.7088E-09	-0.23559	hypo	sig	chr2_238131318
chr19	2291448	2291448	+	2.168E-10	1.7117E-09	0.202521	hyper	sig	chr19_2291448
chr10	1.01E+08	100737597	+	2.169E-10	1.7118E-09	0.3275	hyper	sig	chr10_100737597
chr16	1044605	1044605	+	2.169E-10	1.7118E-09	-0.30636	hypo	sig	chr16_1044605
chr9	1.21E+08	120842286	+	2.169E-10	1.7122E-09	0.204478	hyper	sig	chr9_120842286
chr19	44945182	44945182	+	2.17E-10	1.7127E-09	-0.23752	hypo	sig	chr19_44945182
chr10	27745927	27745927	+	2.17E-10	1.7128E-09	0.200611	hyper	sig	chr10_27745927
chr19	4455337	4455337	+	2.17E-10	1.713E-09	0.233431	hyper	sig	chr19_4455337
chr19	58033833	58033833	+	2.172E-10	1.7143E-09	0.270624	hyper	sig	chr19_58033833
chr22	50045018	50045018	+	2.173E-10	1.7146E-09	-0.20891	hypo	sig	chr22_50045018
chr3	9509030	9509030	+	2.174E-10	1.7156E-09	0.23234	hyper	sig	chr3_9509030
chr10	71774203	71774203	+	2.176E-10	1.7171E-09	-0.24592	hypo	sig	chr10_71774203
chr20	9506491	9506491	+	2.176E-10	1.7173E-09	0.289647	hyper	sig	chr20_9506491
chr1	16759451	16759451	+	2.177E-10	1.7178E-09	0.209408	hyper	sig	chr1_16759451
chr12	1.07E+08	106585656	+	2.177E-10	1.7178E-09	0.227208	hyper	sig	chr12_106585656
chr11	617537	617537	+	2.177E-10	1.718E-09	-0.29129	hypo	sig	chr11_617537
chr19	524368	524368	+	2.18E-10	1.7201E-09	-0.24211	hypo	sig	chr19_524368
chr14	1.01E+08	100827469	+	2.181E-10	1.7208E-09	0.218963	hyper	sig	chr14_100827469
chr15	1E+08	100373658	+	2.181E-10	1.721E-09	0.250995	hyper	sig	chr15_100373658
chr1	1.84E+08	184036456	+	2.183E-10	1.7224E-09	0.216097	hyper	sig	chr1_184036456
chr1	1.55E+08	155320598	+	2.183E-10	1.7225E-09	0.245054	hyper	sig	chr1_155320598
chr18	79378809	79378809	+	2.189E-10	1.7267E-09	0.249778	hyper	sig	chr18_79378809
chr5	1.41E+08	141394297	+	2.191E-10	1.7283E-09	0.250141	hyper	sig	chr5_141394297
chr15	31483192	31483192	+	2.191E-10	1.7286E-09	0.234208	hyper	sig	chr15_31483192
chr1	1.94E+08	194431498	+	2.193E-10	1.7303E-09	-0.22129	hypo	sig	chr1_194431498
chr17	79458387	79458387	+	2.194E-10	1.7307E-09	-0.23504	hypo	sig	chr17_79458387
chr3	1.82E+08	181703957	+	2.194E-10	1.7308E-09	0.209975	hyper	sig	chr3_181703957
chr7	43119208	43119208	+	2.194E-10	1.7308E-09	-0.27298	hypo	sig	chr7_43119208
chr10	1.33E+08	132984046	+	2.194E-10	1.7308E-09	0.204155	hyper	sig	chr10_132984046
chr14	93713488	93713488	+	2.195E-10	1.7315E-09	-0.26565	hypo	sig	chr14_93713488
chr15	83285023	83285023	+	2.196E-10	1.7322E-09	0.2129	hyper	sig	chr15_83285023
chr15	69561685	69561685	+	2.198E-10	1.7337E-09	-0.22088	hypo	sig	chr15_69561685
chr15	67825308	67825308	+	2.198E-10	1.7338E-09	0.201751	hyper	sig	chr15_67825308

chr16	229946	229946	+	2.199E-10	1.7347E-09	-0.25894	hypo	sig	chr16_229946
chr12	1.1E+08	110430212	+	2.201E-10	1.7357E-09	-0.21045	hypo	sig	chr12_110430212
chr19	43535603	43535603	+	2.201E-10	1.7359E-09	0.248135	hyper	sig	chr19_43535603
chr6	1.06E+08	105993566	+	2.203E-10	1.7373E-09	0.203382	hyper	sig	chr6_105993566
chr3	1.2E+08	119810134	+	2.204E-10	1.7383E-09	0.239155	hyper	sig	chr3_119810134
chr22	39610568	39610568	+	2.209E-10	1.7416E-09	-0.22246	hypo	sig	chr22_39610568
chr7	928992	928992	+	2.21E-10	1.7429E-09	0.236847	hyper	sig	chr7_928992
chr5	1.36E+08	136190333	+	2.21E-10	1.7429E-09	-0.21694	hypo	sig	chr5_136190333
chr1	1.6E+08	160370978	+	2.211E-10	1.7438E-09	0.20369	hyper	sig	chr1_160370978
chr22	19756371	19756371	+	2.213E-10	1.7452E-09	0.217463	hyper	sig	chr22_19756371
chr3	1.22E+08	122184667	+	2.213E-10	1.7453E-09	0.253966	hyper	sig	chr3_122184667
chr19	52517362	52517362	+	2.214E-10	1.7461E-09	-0.22507	hypo	sig	chr19_52517362
chr6	533865	533865	+	2.215E-10	1.7469E-09	0.231732	hyper	sig	chr6_533865
chr8	1.43E+08	143426495	+	2.217E-10	1.7476E-09	0.275616	hyper	sig	chr8_143426495
chr17	50047700	50047700	+	2.218E-10	1.7485E-09	-0.23312	hypo	sig	chr17_50047700
chr5	1.69E+08	169301582	+	2.219E-10	1.7498E-09	0.245884	hyper	sig	chr5_169301582
chr17	1005468	1005468	+	2.223E-10	1.7522E-09	0.203426	hyper	sig	chr17_1005468
chr12	30201545	30201545	+	2.224E-10	1.7535E-09	0.227311	hyper	sig	chr12_30201545
chr1	3413575	3413575	+	2.225E-10	1.7539E-09	-0.23589	hypo	sig	chr1_3413575
chr17	77320304	77320304	+	2.225E-10	1.7542E-09	0.255202	hyper	sig	chr17_77320304
chr6	29828763	29828763	+	2.227E-10	1.7559E-09	0.20118	hyper	sig	chr6_29828763
chr19	49196697	49196697	+	2.229E-10	1.7573E-09	0.247881	hyper	sig	chr19_49196697
chr5	1.41E+08	141394789	+	2.229E-10	1.7573E-09	0.289566	hyper	sig	chr5_141394789
chr7	98178505	98178505	+	2.234E-10	1.7607E-09	-0.25196	hypo	sig	chr7_98178505
chr2	1.13E+08	113235430	+	2.234E-10	1.7612E-09	-0.25821	hypo	sig	chr2_113235430
chr1	1354372	1354372	+	2.243E-10	1.7675E-09	-0.25058	hypo	sig	chr1_1354372
chr3	26622066	26622066	+	2.243E-10	1.7677E-09	0.290898	hyper	sig	chr3_26622066
chr9	1.37E+08	137453570	+	2.243E-10	1.7677E-09	0.271063	hyper	sig	chr9_137453570
chr8	1.43E+08	143317895	+	2.244E-10	1.7684E-09	0.201167	hyper	sig	chr8_143317895
chr5	1835559	1835559	+	2.244E-10	1.7686E-09	-0.201	hypo	sig	chr5_1835559
chr7	1.59E+08	159007143	+	2.244E-10	1.7687E-09	-0.28092	hypo	sig	chr7_159007143
chr13	1.13E+08	112910819	+	2.244E-10	1.7688E-09	0.205741	hyper	sig	chr13_112910819
chr20	37521354	37521354	+	2.248E-10	1.7717E-09	0.242771	hyper	sig	chr20_37521354
chr5	7287047	7287047	+	2.249E-10	1.7719E-09	-0.20784	hypo	sig	chr5_7287047
chr4	3681565	3681565	+	2.249E-10	1.7725E-09	-0.21267	hypo	sig	chr4_3681565
chr12	30201557	30201557	+	2.249E-10	1.7726E-09	0.237481	hyper	sig	chr12_30201557
chr2	1.27E+08	127390878	+	2.256E-10	1.778E-09	-0.20449	hypo	sig	chr2_127390878
chr11	2141315	2141315	+	2.258E-10	1.7792E-09	0.253663	hyper	sig	chr11_2141315
chr10	1.02E+08	102403101	+	2.261E-10	1.7813E-09	0.209612	hyper	sig	chr10_102403101
chr10	1.23E+08	122818924	+	2.262E-10	1.7826E-09	0.233694	hyper	sig	chr10_122818924
chr13	78597184	78597184	+	2.265E-10	1.7845E-09	0.207976	hyper	sig	chr13_78597184
chr1	1.57E+08	156642577	+	2.267E-10	1.7857E-09	0.27865	hyper	sig	chr1_156642577
chr14	60506757	60506757	+	2.267E-10	1.7863E-09	0.206892	hyper	sig	chr14_60506757
chr11	74731820	74731820	+	2.27E-10	1.7881E-09	0.203082	hyper	sig	chr11_74731820
chr1	75132246	75132246	+	2.27E-10	1.7883E-09	0.279347	hyper	sig	chr1_75132246
chr8	1.41E+08	141235445	+	2.27E-10	1.7885E-09	-0.2047	hypo	sig	chr8_141235445
chr22	46464714	46464714	+	2.271E-10	1.7893E-09	-0.2208	hypo	sig	chr22_46464714
chr22	20438296	20438296	+	2.272E-10	1.79E-09	0.21248	hyper	sig	chr22_20438296
chr6	10419026	10419026	+	2.273E-10	1.7902E-09	0.259981	hyper	sig	chr6_10419026
chr2	3601857	3601857	+	2.273E-10	1.7907E-09	-0.23123	hypo	sig	chr2_3601857
chr16	31569628	31569628	+	2.274E-10	1.791E-09	0.206953	hyper	sig	chr16_31569628
chr7	47336305	47336305	+	2.278E-10	1.7946E-09	0.200788	hyper	sig	chr7_47336305
chr12	1.14E+08	114405459	+	2.28E-10	1.7957E-09	0.225288	hyper	sig	chr12_114405459
chr1	47726026	47726026	+	2.281E-10	1.7968E-09	0.214963	hyper	sig	chr1_47726026
chr17	22217344	22217344	+	2.282E-10	1.7974E-09	0.236277	hyper	sig	chr17_22217344
chr3	1.47E+08	147397163	+	2.283E-10	1.7979E-09	0.217594	hyper	sig	chr3_147397163

chr6	1.7E+08	170082025	+	2.284E-10	1.7988E-09	-0.2005	hypo	sig	chr6_170082025
chr13	57632879	57632879	+	2.285E-10	1.7997E-09	0.248373	hyper	sig	chr13_57632879
chr7	1.33E+08	132534510	+	2.286E-10	1.8001E-09	-0.24255	hypo	sig	chr7_132534510
chr10	1.04E+08	103661136	+	2.286E-10	1.8004E-09	0.257125	hyper	sig	chr10_103661136
chr1	16765920	16765920	+	2.288E-10	1.802E-09	0.216661	hyper	sig	chr1_16765920
chr5	1.77E+08	177301594	+	2.292E-10	1.8048E-09	-0.20527	hypo	sig	chr5_177301594
chr9	971823	971823	+	2.294E-10	1.8062E-09	0.239932	hyper	sig	chr9_971823
chr20	61541757	61541757	+	2.295E-10	1.8074E-09	-0.2721	hypo	sig	chr20_61541757
chr15	75694328	75694328	+	2.297E-10	1.8083E-09	0.239588	hyper	sig	chr15_75694328
chr11	44954836	44954836	+	2.297E-10	1.809E-09	-0.28128	hypo	sig	chr11_44954836
chr14	74357179	74357179	+	2.298E-10	1.8091E-09	-0.22077	hypo	sig	chr14_74357179
chr19	54416660	54416660	+	2.298E-10	1.8091E-09	0.341433	hyper	sig	chr19_54416660
chr17	81727635	81727635	+	2.298E-10	1.8096E-09	-0.21527	hypo	sig	chr17_81727635
chr17	80067554	80067554	+	2.299E-10	1.8099E-09	-0.22465	hypo	sig	chr17_80067554
chr19	1758473	1758473	+	2.299E-10	1.8101E-09	0.258963	hyper	sig	chr19_1758473
chr11	2909321	2909321	+	2.3E-10	1.8105E-09	0.292334	hyper	sig	chr11_2909321
chr1	1205300	1205300	+	2.302E-10	1.812E-09	-0.20311	hypo	sig	chr1_1205300
chr1	12160040	12160040	+	2.302E-10	1.812E-09	-0.21013	hypo	sig	chr1_12160040
chr19	50419239	50419239	+	2.302E-10	1.8124E-09	0.206761	hyper	sig	chr19_50419239
chr12	49544032	49544032	+	2.304E-10	1.8139E-09	0.331456	hyper	sig	chr12_49544032
chr14	24316173	24316173	+	2.305E-10	1.8149E-09	-0.20506	hypo	sig	chr14_24316173
chr10	71316945	71316945	+	2.308E-10	1.8168E-09	-0.21022	hypo	sig	chr10_71316945
chr18	79523493	79523493	+	2.309E-10	1.8175E-09	-0.2016	hypo	sig	chr18_79523493
chr16	29785253	29785253	+	2.31E-10	1.818E-09	0.208467	hyper	sig	chr16_29785253
chr17	63700979	63700979	+	2.311E-10	1.8189E-09	0.217576	hyper	sig	chr17_63700979
chr20	46201121	46201121	+	2.311E-10	1.819E-09	0.232654	hyper	sig	chr20_46201121
chr2	2.41E+08	240701835	+	2.312E-10	1.8195E-09	-0.21521	hypo	sig	chr2_240701835
chr3	46720112	46720112	+	2.312E-10	1.8202E-09	-0.22332	hypo	sig	chr3_46720112
chr19	345255	345255	+	2.315E-10	1.8218E-09	0.259911	hyper	sig	chr19_345255
chr4	687391	687391	+	2.315E-10	1.8222E-09	-0.23078	hypo	sig	chr4_687391
chr18	500291	500291	+	2.317E-10	1.8232E-09	0.202355	hyper	sig	chr18_500291
chr6	6000374	6000374	+	2.319E-10	1.8252E-09	0.257946	hyper	sig	chr6_6000374
chr16	86954177	86954177	+	2.32E-10	1.8255E-09	0.205932	hyper	sig	chr16_86954177
chr6	31737145	31737145	+	2.32E-10	1.826E-09	-0.28462	hypo	sig	chr6_31737145
chr5	1.8E+08	179840782	+	2.321E-10	1.8267E-09	0.201753	hyper	sig	chr5_179840782
chr5	481587	481587	+	2.322E-10	1.8275E-09	-0.20337	hypo	sig	chr5_481587
chr1	2.43E+08	242524068	+	2.323E-10	1.8278E-09	0.295802	hyper	sig	chr1_242524068
chr19	49436292	49436292	+	2.323E-10	1.8278E-09	0.250406	hyper	sig	chr19_49436292
chr17	44915341	44915341	+	2.323E-10	1.8279E-09	-0.21172	hypo	sig	chr17_44915341
chr11	49892500	49892500	+	2.324E-10	1.8291E-09	0.251709	hyper	sig	chr11_49892500
chr19	40216601	40216601	+	2.325E-10	1.8292E-09	-0.21863	hypo	sig	chr19_40216601
chr9	1.36E+08	135700643	+	2.327E-10	1.8308E-09	-0.23199	hypo	sig	chr9_135700643
chr20	57262535	57262535	+	2.327E-10	1.831E-09	-0.21219	hypo	sig	chr20_57262535
chr12	66188948	66188948	+	2.328E-10	1.8316E-09	0.201141	hyper	sig	chr12_66188948
chr13	36432076	36432076	+	2.328E-10	1.8317E-09	0.23998	hyper	sig	chr13_36432076
chr19	42698007	42698007	+	2.328E-10	1.832E-09	0.265986	hyper	sig	chr19_42698007
chr17	15783139	15783139	+	2.329E-10	1.8325E-09	0.22137	hyper	sig	chr17_15783139
chr10	71774170	71774170	+	2.33E-10	1.8334E-09	-0.20823	hypo	sig	chr10_71774170
chr16	54290211	54290211	+	2.332E-10	1.8352E-09	0.24689	hyper	sig	chr16_54290211
chr17	42784025	42784025	+	2.334E-10	1.8363E-09	0.203478	hyper	sig	chr17_42784025
chr5	1.55E+08	154938610	+	2.334E-10	1.8367E-09	-0.27461	hypo	sig	chr5_154938610
chr16	57528820	57528820	+	2.335E-10	1.8374E-09	-0.25717	hypo	sig	chr16_57528820
chr8	6806459	6806459	+	2.336E-10	1.8377E-09	-0.23283	hypo	sig	chr8_6806459
chr19	15479341	15479341	+	2.336E-10	1.8382E-09	-0.20879	hypo	sig	chr19_15479341
chr3	1.54E+08	154428831	+	2.34E-10	1.841E-09	0.253293	hyper	sig	chr3_154428831
chr16	88130334	88130334	+	2.341E-10	1.8418E-09	-0.2176	hypo	sig	chr16_88130334

chr7	5478803	5478803	+	2.344E-10	1.8439E-09	0.237169	hyper	sig	chr7_5478803
chr7	8435851	8435851	+	2.344E-10	1.8439E-09	0.254787	hyper	sig	chr7_8435851
chr14	97025821	97025821	+	2.345E-10	1.8443E-09	0.206988	hyper	sig	chr14_97025821
chr6	1.34E+08	134176435	+	2.345E-10	1.8449E-09	0.207179	hyper	sig	chr6_134176435
chr1	47711037	47711037	+	2.346E-10	1.8453E-09	0.237191	hyper	sig	chr1_47711037
chr17	75640080	75640080	+	2.351E-10	1.8488E-09	-0.20326	hypo	sig	chr17_75640080
chr16	1221126	1221126	+	2.351E-10	1.8491E-09	-0.29929	hypo	sig	chr16_1221126
chr11	67674937	67674937	+	2.351E-10	1.8492E-09	-0.20288	hypo	sig	chr11_67674937
chr3	9500502	9500502	+	2.352E-10	1.8497E-09	0.245489	hyper	sig	chr3_9500502
chr4	785456	785456	+	2.353E-10	1.8504E-09	0.204349	hyper	sig	chr4_785456
chr1	2.28E+08	228103830	+	2.353E-10	1.8508E-09	0.232175	hyper	sig	chr1_228103830
chr5	1.34E+08	134115783	+	2.354E-10	1.8513E-09	-0.20674	hypo	sig	chr5_134115783
chr11	67409431	67409431	+	2.359E-10	1.855E-09	-0.21747	hypo	sig	chr11_67409431
chr7	1.59E+08	158974444	+	2.362E-10	1.8573E-09	-0.22912	hypo	sig	chr7_158974444
chr12	1.31E+08	131028746	+	2.362E-10	1.8574E-09	-0.27855	hypo	sig	chr12_131028746
chr9	1.36E+08	136257949	+	2.362E-10	1.8575E-09	-0.2751	hypo	sig	chr9_136257949
chr13	83880336	83880336	+	2.363E-10	1.8582E-09	0.215131	hyper	sig	chr13_83880336
chr2	1E+08	100322822	+	2.364E-10	1.8584E-09	0.269819	hyper	sig	chr2_100322822
chr7	2509352	2509352	+	2.364E-10	1.8585E-09	-0.20428	hypo	sig	chr7_2509352
chr2	97737690	97737690	+	2.364E-10	1.8589E-09	-0.246	hypo	sig	chr2_97737690
chr2	2.36E+08	235981807	+	2.364E-10	1.859E-09	0.227996	hyper	sig	chr2_235981807
chr2	1.81E+08	181461302	+	2.365E-10	1.8594E-09	-0.22019	hypo	sig	chr2_181461302
chr11	64207467	64207467	+	2.367E-10	1.8608E-09	-0.20673	hypo	sig	chr11_64207467
chr19	4552480	4552480	+	2.368E-10	1.8614E-09	-0.20734	hypo	sig	chr19_4552480
chr8	1.14E+08	114311464	+	2.368E-10	1.8619E-09	0.21551	hyper	sig	chr8_114311464
chr16	2497579	2497579	+	2.369E-10	1.8623E-09	0.231587	hyper	sig	chr16_2497579
chr15	92391511	92391511	+	2.37E-10	1.8633E-09	-0.25839	hypo	sig	chr15_92391511
chr17	76077446	76077446	+	2.371E-10	1.8635E-09	0.226702	hyper	sig	chr17_76077446
chr10	1.23E+08	123148192	+	2.371E-10	1.8636E-09	0.226362	hyper	sig	chr10_123148192
chr14	1.03E+08	103102755	+	2.372E-10	1.8647E-09	0.242771	hyper	sig	chr14_103102755
chr19	38562778	38562778	+	2.375E-10	1.8672E-09	-0.25318	hypo	sig	chr19_38562778
chr13	20946364	20946364	+	2.376E-10	1.868E-09	0.224145	hyper	sig	chr13_20946364
chr19	55452647	55452647	+	2.377E-10	1.8683E-09	0.353037	hyper	sig	chr19_55452647
chr7	4107382	4107382	+	2.379E-10	1.8699E-09	-0.20234	hypo	sig	chr7_4107382
chr16	1991835	1991835	+	2.38E-10	1.8705E-09	0.206512	hyper	sig	chr16_1991835
chr2	2.19E+08	218873992	+	2.38E-10	1.8706E-09	0.222653	hyper	sig	chr2_218873992
chr10	1.01E+08	101216960	+	2.38E-10	1.871E-09	0.221608	hyper	sig	chr10_101216960
chr14	21026069	21026069	+	2.382E-10	1.8722E-09	0.216796	hyper	sig	chr14_21026069
chr3	13877920	13877920	+	2.383E-10	1.8726E-09	0.23917	hyper	sig	chr3_13877920
chr14	1.01E+08	100827460	+	2.384E-10	1.8737E-09	0.221231	hyper	sig	chr14_100827460
chr12	53973160	53973160	+	2.385E-10	1.8742E-09	0.252991	hyper	sig	chr12_53973160
chr22	39483946	39483946	+	2.385E-10	1.8743E-09	-0.21901	hypo	sig	chr22_39483946
chr3	1.7E+08	170040582	+	2.385E-10	1.8746E-09	0.226718	hyper	sig	chr3_170040582
chr1	2.28E+08	228417200	+	2.387E-10	1.8757E-09	0.27473	hyper	sig	chr1_228417200
chr2	1.3E+08	130431211	+	2.387E-10	1.876E-09	-0.29321	hypo	sig	chr2_130431211
chr11	61829362	61829362	+	2.387E-10	1.8761E-09	0.23652	hyper	sig	chr11_61829362
chr1	2339035	2339035	+	2.389E-10	1.8772E-09	-0.23702	hypo	sig	chr1_2339035
chr19	2241127	2241127	+	2.389E-10	1.8772E-09	-0.24026	hypo	sig	chr19_2241127
chr7	4128107	4128107	+	2.39E-10	1.8779E-09	-0.20827	hypo	sig	chr7_4128107
chr14	37622416	37622416	+	2.394E-10	1.8808E-09	0.208833	hyper	sig	chr14_37622416
chr5	1.41E+08	141409849	+	2.395E-10	1.8818E-09	0.224519	hyper	sig	chr5_141409849
chr6	1.29E+08	128930152	+	2.396E-10	1.8824E-09	0.252303	hyper	sig	chr6_128930152
chr1	2.47E+08	246609303	+	2.397E-10	1.8836E-09	-0.2188	hypo	sig	chr1_246609303
chr2	74374799	74374799	+	2.398E-10	1.8839E-09	0.252762	hyper	sig	chr2_74374799
chr15	64921876	64921876	+	2.399E-10	1.8845E-09	-0.2105	hypo	sig	chr15_64921876
chr5	63961178	63961178	+	2.399E-10	1.8851E-09	0.272155	hyper	sig	chr5_63961178

chr19	45815162	45815162	+	2.4E-10	1.8855E-09	0.250388	hyper	sig	chr19_45815162
chr20	63454560	63454560	+	2.4E-10	1.8855E-09	0.233967	hyper	sig	chr20_63454560
chr14	47675582	47675582	+	2.401E-10	1.8865E-09	0.267408	hyper	sig	chr14_47675582
chr19	37790728	37790728	+	2.403E-10	1.8878E-09	0.245588	hyper	sig	chr19_37790728
chr15	76993891	76993891	+	2.403E-10	1.8879E-09	-0.20338	hypo	sig	chr15_76993891
chr19	2242250	2242250	+	2.405E-10	1.8891E-09	-0.23258	hypo	sig	chr19_2242250
chr11	1.17E+08	117478633	+	2.406E-10	1.89E-09	-0.24359	hypo	sig	chr11_117478633
chr10	1173291	1173291	+	2.406E-10	1.89E-09	-0.20786	hypo	sig	chr10_1173291
chr2	44928197	44928197	+	2.408E-10	1.8916E-09	0.350008	hyper	sig	chr2_44928197
chr5	1.33E+08	132823404	+	2.409E-10	1.8924E-09	0.245306	hyper	sig	chr5_132823404
chr10	49608985	49608985	+	2.409E-10	1.8927E-09	0.25583	hyper	sig	chr10_49608985
chr19	38904999	38904999	+	2.41E-10	1.8934E-09	-0.30651	hypo	sig	chr19_38904999
chr9	1.37E+08	137138421	+	2.411E-10	1.8939E-09	0.320625	hyper	sig	chr9_137138421
chr4	76420637	76420637	+	2.412E-10	1.8943E-09	0.305661	hyper	sig	chr4_76420637
chr17	48551488	48551488	+	2.414E-10	1.8964E-09	0.263626	hyper	sig	chr17_48551488
chr1	1.54E+08	153568194	+	2.416E-10	1.8973E-09	-0.27322	hypo	sig	chr1_153568194
chr22	44729708	44729708	+	2.416E-10	1.8977E-09	0.273123	hyper	sig	chr22_44729708
chr19	35250106	35250106	+	2.416E-10	1.8979E-09	-0.24391	hypo	sig	chr19_35250106
chr19	53553980	53553980	+	2.416E-10	1.8979E-09	0.254222	hyper	sig	chr19_53553980
chr11	2141306	2141306	+	2.419E-10	1.8996E-09	0.249659	hyper	sig	chr11_2141306
chr11	1.08E+08	107592177	+	2.42E-10	1.9003E-09	0.210031	hyper	sig	chr11_107592177
chr11	2826263	2826263	+	2.421E-10	1.901E-09	0.237026	hyper	sig	chr11_2826263
chr16	57528801	57528801	+	2.423E-10	1.9027E-09	-0.28702	hypo	sig	chr16_57528801
chr22	48577132	48577132	+	2.424E-10	1.9038E-09	0.227291	hyper	sig	chr22_48577132
chr8	1.41E+08	141228956	+	2.426E-10	1.9048E-09	-0.20856	hypo	sig	chr8_141228956
chr8	47763104	47763104	+	2.426E-10	1.905E-09	0.207382	hyper	sig	chr8_47763104
chr7	65764629	65764629	+	2.429E-10	1.9071E-09	0.20749	hyper	sig	chr7_65764629
chr12	7916167	7916167	+	2.43E-10	1.908E-09	0.25765	hyper	sig	chr12_7916167
chr2	74648434	74648434	+	2.433E-10	1.9102E-09	0.231381	hyper	sig	chr2_74648434
chr3	69541861	69541861	+	2.433E-10	1.9104E-09	0.210639	hyper	sig	chr3_69541861
chr4	7984211	7984211	+	2.433E-10	1.9106E-09	-0.2079	hypo	sig	chr4_7984211
chr4	8247722	8247722	+	2.436E-10	1.9123E-09	-0.2177	hypo	sig	chr4_8247722
chr1	1.8E+08	179812701	+	2.438E-10	1.9142E-09	-0.25702	hypo	sig	chr1_179812701
chr2	1484326	1484326	+	2.439E-10	1.9145E-09	-0.25993	hypo	sig	chr2_1484326
chr11	76320926	76320926	+	2.439E-10	1.9152E-09	-0.23333	hypo	sig	chr11_76320926
chr8	38770548	38770548	+	2.44E-10	1.9158E-09	0.235184	hyper	sig	chr8_38770548
chr19	3507805	3507805	+	2.441E-10	1.9162E-09	0.270816	hyper	sig	chr19_3507805
chr19	50366075	50366075	+	2.446E-10	1.9204E-09	-0.2026	hypo	sig	chr19_50366075
chr4	92303970	92303970	+	2.447E-10	1.9209E-09	0.204497	hyper	sig	chr4_92303970
chr12	1.32E+08	131845995	+	2.449E-10	1.9223E-09	-0.23689	hypo	sig	chr12_131845995
chr8	26039908	26039908	+	2.45E-10	1.9233E-09	0.230883	hyper	sig	chr8_26039908
chr16	67406380	67406380	+	2.451E-10	1.924E-09	0.20684	hyper	sig	chr16_67406380
chr11	2267887	2267887	+	2.452E-10	1.9242E-09	-0.23471	hypo	sig	chr11_2267887
chr8	1992192	1992192	+	2.452E-10	1.9248E-09	-0.21447	hypo	sig	chr8_1992192
chr9	1.3E+08	129724132	+	2.454E-10	1.926E-09	-0.26437	hypo	sig	chr9_129724132
chr12	1.32E+08	132213825	+	2.455E-10	1.9265E-09	-0.20642	hypo	sig	chr12_132213825
chr6	27247618	27247618	+	2.456E-10	1.9271E-09	0.213288	hyper	sig	chr6_27247618
chr10	1.33E+08	133081527	+	2.456E-10	1.9279E-09	-0.22456	hypo	sig	chr10_133081527
chr17	77409859	77409859	+	2.457E-10	1.9284E-09	0.258073	hyper	sig	chr17_77409859
chr10	49613520	49613520	+	2.458E-10	1.9288E-09	0.255834	hyper	sig	chr10_49613520
chr10	1.29E+08	128886442	+	2.46E-10	1.9302E-09	-0.20046	hypo	sig	chr10_128886442
chr12	1.17E+08	117032736	+	2.46E-10	1.9304E-09	0.239545	hyper	sig	chr12_117032736
chr18	52340124	52340124	+	2.461E-10	1.9311E-09	0.219749	hyper	sig	chr18_52340124
chr19	15934898	15934898	+	2.461E-10	1.9312E-09	-0.20673	hypo	sig	chr19_15934898
chr14	1.04E+08	104436341	+	2.463E-10	1.9325E-09	0.220052	hyper	sig	chr14_104436341
chr22	17564108	17564108	+	2.463E-10	1.9327E-09	0.243948	hyper	sig	chr22_17564108

chr11	3223154	3223154	+	2.463E-10	1.9328E-09	-0.24789	hypo	sig	chr11_3223154
chr22	32205079	32205079	+	2.463E-10	1.933E-09	-0.29238	hypo	sig	chr22_32205079
chr1	31703673	31703673	+	2.465E-10	1.9343E-09	0.216315	hyper	sig	chr1_31703673
chr14	89701303	89701303	+	2.466E-10	1.9345E-09	-0.25849	hypo	sig	chr14_89701303
chr2	2E+08	199603979	+	2.467E-10	1.9356E-09	0.21302	hyper	sig	chr2_199603979
chr19	57192463	57192463	+	2.468E-10	1.9361E-09	0.240572	hyper	sig	chr19_57192463
chr16	1962641	1962641	+	2.468E-10	1.9362E-09	-0.22641	hypo	sig	chr16_1962641
chr20	37385014	37385014	+	2.469E-10	1.9369E-09	0.220018	hyper	sig	chr20_37385014
chr19	49165519	49165519	+	2.469E-10	1.9374E-09	0.225612	hyper	sig	chr19_49165519
chr1	1.61E+08	161139697	+	2.47E-10	1.9375E-09	-0.20285	hypo	sig	chr1_161139697
chr20	51023540	51023540	+	2.47E-10	1.9378E-09	0.279236	hyper	sig	chr20_51023540
chr19	11454768	11454768	+	2.47E-10	1.938E-09	-0.24004	hypo	sig	chr19_11454768
chr19	4197982	4197982	+	2.471E-10	1.9385E-09	0.278363	hyper	sig	chr19_4197982
chr13	18594845	18594845	+	2.472E-10	1.9392E-09	-0.23506	hypo	sig	chr13_18594845
chr5	1.41E+08	141188767	+	2.472E-10	1.9393E-09	0.249681	hyper	sig	chr5_141188767
chr1	1.57E+08	156642654	+	2.474E-10	1.9409E-09	0.217466	hyper	sig	chr1_156642654
chr16	88927254	88927254	+	2.476E-10	1.9424E-09	-0.22257	hypo	sig	chr16_88927254
chr5	38846345	38846345	+	2.478E-10	1.9437E-09	0.213478	hyper	sig	chr5_38846345
chr17	1472097	1472097	+	2.481E-10	1.9462E-09	0.228749	hyper	sig	chr17_1472097
chr2	2.41E+08	240962645	+	2.483E-10	1.9479E-09	0.208157	hyper	sig	chr2_240962645
chr17	11554516	11554516	+	2.485E-10	1.949E-09	-0.25121	hypo	sig	chr17_11554516
chr19	35302580	35302580	+	2.485E-10	1.9491E-09	-0.23262	hypo	sig	chr19_35302580
chr19	856107	856107	+	2.487E-10	1.9505E-09	-0.24258	hypo	sig	chr19_856107
chr2	2.39E+08	239009177	+	2.489E-10	1.9523E-09	0.200355	hyper	sig	chr2_239009177
chr11	1851526	1851526	+	2.49E-10	1.9527E-09	-0.25069	hypo	sig	chr11_1851526
chr1	1.48E+08	148354549	+	2.49E-10	1.9531E-09	0.244259	hyper	sig	chr1_148354549
chr6	43060558	43060558	+	2.492E-10	1.9545E-09	-0.20039	hypo	sig	chr6_43060558
chr11	2460749	2460749	+	2.493E-10	1.9554E-09	-0.21616	hypo	sig	chr11_2460749
chr12	1.32E+08	132341582	+	2.494E-10	1.9559E-09	-0.23005	hypo	sig	chr12_132341582
chr20	1467992	1467992	+	2.496E-10	1.9574E-09	-0.2083	hypo	sig	chr20_1467992
chr16	14303831	14303831	+	2.496E-10	1.9575E-09	0.226648	hyper	sig	chr16_14303831
chr14	64746848	64746848	+	2.498E-10	1.9586E-09	0.263591	hyper	sig	chr14_64746848
chr16	67162803	67162803	+	2.5E-10	1.9606E-09	0.216299	hyper	sig	chr16_67162803
chr1	20728670	20728670	+	2.503E-10	1.9629E-09	-0.25299	hypo	sig	chr1_20728670
chr6	31572209	31572209	+	2.503E-10	1.963E-09	-0.22648	hypo	sig	chr6_31572209
chr16	1204440	1204440	+	2.504E-10	1.9638E-09	-0.26137	hypo	sig	chr16_1204440
chr8	1866542	1866542	+	2.505E-10	1.9642E-09	0.201148	hyper	sig	chr8_1866542
chr19	45152836	45152836	+	2.507E-10	1.9652E-09	0.212529	hyper	sig	chr19_45152836
chr13	25300867	25300867	+	2.507E-10	1.9659E-09	0.201049	hyper	sig	chr13_25300867
chr15	1E+08	100373758	+	2.508E-10	1.966E-09	0.248038	hyper	sig	chr15_100373758
chr14	61865178	61865178	+	2.509E-10	1.9674E-09	-0.21522	hypo	sig	chr14_61865178
chr20	2799465	2799465	+	2.509E-10	1.9674E-09	0.219616	hyper	sig	chr20_2799465
chr11	1.03E+08	102768020	+	2.51E-10	1.9678E-09	0.225732	hyper	sig	chr11_102768020
chr9	1.29E+08	129261477	+	2.512E-10	1.9692E-09	-0.2554	hypo	sig	chr9_129261477
chr9	1.36E+08	135740290	+	2.513E-10	1.9697E-09	-0.22599	hypo	sig	chr9_135740290
chr12	51269526	51269526	+	2.514E-10	1.9708E-09	-0.22328	hypo	sig	chr12_51269526
chr11	60913012	60913012	+	2.514E-10	1.9709E-09	0.23196	hyper	sig	chr11_60913012
chr13	1.13E+08	112757663	+	2.515E-10	1.9714E-09	-0.22883	hypo	sig	chr13_112757663
chr20	38445616	38445616	+	2.516E-10	1.9722E-09	-0.23361	hypo	sig	chr20_38445616
chr11	1.13E+08	113387501	+	2.516E-10	1.9726E-09	0.226955	hyper	sig	chr11_113387501
chr1	2.05E+08	204685017	+	2.519E-10	1.9743E-09	0.226638	hyper	sig	chr1_204685017
chr7	1.57E+08	157005908	+	2.52E-10	1.9749E-09	0.310361	hyper	sig	chr7_157005908
chr17	18007013	18007013	+	2.52E-10	1.9752E-09	0.204242	hyper	sig	chr17_18007013
chr11	1748272	1748272	+	2.522E-10	1.9769E-09	0.232799	hyper	sig	chr11_1748272
chr11	1.34E+08	133576357	+	2.522E-10	1.977E-09	-0.21324	hypo	sig	chr11_133576357
chr1	1.6E+08	160370984	+	2.523E-10	1.9773E-09	0.215957	hyper	sig	chr1_160370984

chr1	92481359	92481359	+	2.524E-10	1.9784E-09	0.286783	hyper	sig	chr1_92481359
chr8	74985145	74985145	+	2.525E-10	1.9786E-09	0.26398	hyper	sig	chr8_74985145
chr6	1.18E+08	117548354	+	2.525E-10	1.9792E-09	0.2552	hyper	sig	chr6_117548354
chr16	563299	563299	+	2.529E-10	1.9817E-09	-0.28989	hypo	sig	chr16_563299
chr5	2757119	2757119	+	2.529E-10	1.9817E-09	0.219367	hyper	sig	chr5_2757119
chr5	1724777	1724777	+	2.529E-10	1.982E-09	-0.21058	hypo	sig	chr5_1724777
chr7	74028157	74028157	+	2.529E-10	1.9822E-09	0.330117	hyper	sig	chr7_74028157
chr9	1.27E+08	126680425	+	2.53E-10	1.9825E-09	-0.20141	hypo	sig	chr9_126680425
chr12	1.32E+08	132440133	+	2.53E-10	1.9827E-09	-0.21016	hypo	sig	chr12_132440133
chr6	1.67E+08	166656647	+	2.531E-10	1.9834E-09	-0.24147	hypo	sig	chr6_166656647
chr14	50007344	50007344	+	2.532E-10	1.9843E-09	-0.2506	hypo	sig	chr14_50007344
chr1	1.57E+08	156676318	+	2.533E-10	1.9845E-09	0.21946	hyper	sig	chr1_156676318
chr13	36432066	36432066	+	2.534E-10	1.9854E-09	0.24595	hyper	sig	chr13_36432066
chr6	6614172	6614172	+	2.535E-10	1.9863E-09	-0.2352	hypo	sig	chr6_6614172
chr20	61024219	61024219	+	2.537E-10	1.9877E-09	-0.26583	hypo	sig	chr20_61024219
chr17	80859524	80859524	+	2.539E-10	1.9892E-09	0.241202	hyper	sig	chr17_80859524
chr16	29132982	29132982	+	2.54E-10	1.9899E-09	-0.22698	hypo	sig	chr16_29132982
chr9	1.34E+08	133972264	+	2.54E-10	1.99E-09	-0.2054	hypo	sig	chr9_133972264
chr1	92480164	92480164	+	2.543E-10	1.992E-09	0.212808	hyper	sig	chr1_92480164
chr15	95327074	95327074	+	2.543E-10	1.9924E-09	0.206815	hyper	sig	chr15_95327074
chr6	1.66E+08	165662075	+	2.545E-10	1.9935E-09	0.224324	hyper	sig	chr6_165662075
chr17	82003830	82003830	+	2.546E-10	1.9942E-09	0.230075	hyper	sig	chr17_82003830
chr17	80090264	80090264	+	2.546E-10	1.9943E-09	-0.23185	hypo	sig	chr17_80090264
chr19	7888169	7888169	+	2.546E-10	1.9946E-09	-0.25475	hypo	sig	chr19_7888169
chr10	79240023	79240023	+	2.548E-10	1.9959E-09	0.234488	hyper	sig	chr10_79240023
chr1	1.21E+08	121052066	+	2.549E-10	1.9969E-09	0.239554	hyper	sig	chr1_121052066
chr15	93028766	93028766	+	2.553E-10	1.9995E-09	0.209656	hyper	sig	chr15_93028766
chr5	1.79E+08	178577073	+	2.554E-10	2.0003E-09	0.231928	hyper	sig	chr5_178577073
chr11	1030231	1030231	+	2.557E-10	2.0028E-09	-0.25259	hypo	sig	chr11_1030231
chr2	86789053	86789053	+	2.557E-10	2.0029E-09	0.221448	hyper	sig	chr2_86789053
chr5	1.11E+08	111070914	+	2.56E-10	2.005E-09	0.230364	hyper	sig	chr5_111070914
chr16	1112793	1112793	+	2.563E-10	2.0073E-09	-0.23522	hypo	sig	chr16_1112793
chr7	1.58E+08	157683988	+	2.563E-10	2.0075E-09	0.367716	hyper	sig	chr7_157683988
chr1	12044828	12044828	+	2.564E-10	2.0082E-09	-0.21554	hypo	sig	chr1_12044828
chr10	1.25E+08	125162632	+	2.566E-10	2.0092E-09	-0.21592	hypo	sig	chr10_125162632
chr11	69969523	69969523	+	2.567E-10	2.0104E-09	-0.2025	hypo	sig	chr11_69969523
chr10	79243917	79243917	+	2.57E-10	2.0124E-09	0.212756	hyper	sig	chr10_79243917
chr13	77660424	77660424	+	2.572E-10	2.0139E-09	-0.34728	hypo	sig	chr13_77660424
chr11	64972306	64972306	+	2.572E-10	2.014E-09	0.232621	hyper	sig	chr11_64972306
chr3	1.28E+08	128279123	+	2.574E-10	2.0153E-09	0.281994	hyper	sig	chr3_128279123
chr2	3640060	3640060	+	2.575E-10	2.016E-09	-0.22099	hypo	sig	chr2_3640060
chr5	1.81E+08	181114974	+	2.577E-10	2.0178E-09	0.204811	hyper	sig	chr5_181114974
chr9	37005992	37005992	+	2.579E-10	2.0188E-09	-0.24227	hypo	sig	chr9_37005992
chr16	84042977	84042977	+	2.581E-10	2.0206E-09	-0.27009	hypo	sig	chr16_84042977
chr11	1.25E+08	124743677	+	2.581E-10	2.0208E-09	0.235113	hyper	sig	chr11_124743677
chr16	85982844	85982844	+	2.582E-10	2.0211E-09	-0.26461	hypo	sig	chr16_85982844
chr16	2184050	2184050	+	2.582E-10	2.0215E-09	-0.20511	hypo	sig	chr16_2184050
chr13	64076832	64076832	+	2.583E-10	2.0222E-09	-0.27428	hypo	sig	chr13_64076832
chr7	176685	176685	+	2.584E-10	2.0228E-09	-0.21161	hypo	sig	chr7_176685
chr4	47425991	47425991	+	2.584E-10	2.0232E-09	-0.22644	hypo	sig	chr4_47425991
chr21	37006140	37006140	+	2.585E-10	2.0235E-09	0.232251	hyper	sig	chr21_37006140
chr1	1.79E+08	179365100	+	2.585E-10	2.0239E-09	-0.2866	hypo	sig	chr1_179365100
chr11	67674557	67674557	+	2.586E-10	2.0241E-09	-0.26241	hypo	sig	chr11_67674557
chr16	88968428	88968428	+	2.588E-10	2.0258E-09	-0.24802	hypo	sig	chr16_88968428
chr11	4212284	4212284	+	2.589E-10	2.0268E-09	0.228012	hyper	sig	chr11_4212284
chr22	42338606	42338606	+	2.592E-10	2.0286E-09	-0.20866	hypo	sig	chr22_42338606

chr19	15474602	15474602	+	2.592E-10	2.0288E-09	-0.28546	hypo	sig	chr19_15474602
chr7	1.59E+08	159094728	+	2.593E-10	2.0293E-09	-0.21162	hypo	sig	chr7_159094728
chr12	1.23E+08	122895053	+	2.596E-10	2.0319E-09	-0.23577	hypo	sig	chr12_122895053
chr8	1.43E+08	142544618	+	2.597E-10	2.0326E-09	-0.23171	hypo	sig	chr8_142544618
chr17	19418908	19418908	+	2.598E-10	2.0334E-09	-0.26741	hypo	sig	chr17_19418908
chr4	1309869	1309869	+	2.603E-10	2.0374E-09	0.230083	hyper	sig	chr4_1309869
chr7	1.59E+08	158720042	+	2.605E-10	2.0384E-09	-0.23791	hypo	sig	chr7_158720042
chr7	1325473	1325473	+	2.605E-10	2.0385E-09	-0.21781	hypo	sig	chr7_1325473
chr3	75668379	75668379	+	2.605E-10	2.0386E-09	0.23098	hyper	sig	chr3_75668379
chr4	92306123	92306123	+	2.606E-10	2.0394E-09	0.253854	hyper	sig	chr4_92306123
chr20	5947451	5947451	+	2.607E-10	2.04E-09	-0.23877	hypo	sig	chr20_5947451
chr10	11441624	11441624	+	2.608E-10	2.0409E-09	-0.21508	hypo	sig	chr10_11441624
chr12	1.3E+08	130492006	+	2.609E-10	2.0411E-09	0.212927	hyper	sig	chr12_130492006
chr14	1.01E+08	100727847	+	2.609E-10	2.0412E-09	0.203495	hyper	sig	chr14_100727847
chr5	1.41E+08	141413903	+	2.609E-10	2.0414E-09	0.211229	hyper	sig	chr5_141413903
chr11	73310662	73310662	+	2.609E-10	2.0414E-09	0.226142	hyper	sig	chr11_73310662
chr13	1.14E+08	113665022	+	2.609E-10	2.0416E-09	-0.21157	hypo	sig	chr13_113665022
chr1	2.26E+08	225825309	+	2.611E-10	2.0431E-09	-0.20606	hypo	sig	chr1_225825309
chr9	1.25E+08	124505371	+	2.612E-10	2.0436E-09	0.205217	hyper	sig	chr9_124505371
chr4	1.54E+08	153759698	+	2.612E-10	2.0436E-09	0.20314	hyper	sig	chr4_153759698
chr21	33032149	33032149	+	2.613E-10	2.0441E-09	-0.20813	hypo	sig	chr21_33032149
chr1	9183508	9183508	+	2.615E-10	2.0456E-09	0.23162	hyper	sig	chr1_9183508
chr16	30927890	30927890	+	2.617E-10	2.0473E-09	0.31916	hyper	sig	chr16_30927890
chr10	42242754	42242754	+	2.619E-10	2.0488E-09	0.236319	hyper	sig	chr10_42242754
chr16	829151	829151	+	2.623E-10	2.0521E-09	-0.24697	hypo	sig	chr16_829151
chr1	1272356	1272356	+	2.623E-10	2.0521E-09	-0.2072	hypo	sig	chr1_1272356
chr16	85600442	85600442	+	2.624E-10	2.0524E-09	0.201046	hyper	sig	chr16_85600442
chr16	34164027	34164027	+	2.625E-10	2.053E-09	0.24301	hyper	sig	chr16_34164027
chr8	17413105	17413105	+	2.626E-10	2.0543E-09	0.249652	hyper	sig	chr8_17413105
chr1	1.55E+08	155320581	+	2.628E-10	2.0557E-09	0.235735	hyper	sig	chr1_155320581
chr19	38812866	38812866	+	2.63E-10	2.0574E-09	-0.22781	hypo	sig	chr19_38812866
chr14	1.05E+08	104946652	+	2.631E-10	2.058E-09	-0.2375	hypo	sig	chr14_104946652
chr18	14999781	14999781	+	2.635E-10	2.0612E-09	0.271754	hyper	sig	chr18_14999781
chr4	13540304	13540304	+	2.636E-10	2.0615E-09	0.207234	hyper	sig	chr4_13540304
chr11	64566699	64566699	+	2.636E-10	2.0616E-09	-0.29825	hypo	sig	chr11_64566699
chr16	49278606	49278606	+	2.636E-10	2.0619E-09	0.2452	hyper	sig	chr16_49278606
chr1	1.21E+08	121007162	+	2.64E-10	2.0645E-09	0.309991	hyper	sig	chr1_121007162
chr7	55449195	55449195	+	2.64E-10	2.0647E-09	0.244942	hyper	sig	chr7_55449195
chr10	1.33E+08	133029687	+	2.642E-10	2.0663E-09	-0.20541	hypo	sig	chr10_133029687
chr13	1.12E+08	112451469	+	2.647E-10	2.0701E-09	-0.32543	hypo	sig	chr13_112451469
chr11	1943908	1943908	+	2.648E-10	2.0707E-09	-0.21189	hypo	sig	chr11_1943908
chr22	43996530	43996530	+	2.649E-10	2.0711E-09	-0.2062	hypo	sig	chr22_43996530
chr1	2904032	2904032	+	2.65E-10	2.072E-09	-0.24361	hypo	sig	chr1_2904032
chr12	53324252	53324252	+	2.651E-10	2.0728E-09	0.215837	hyper	sig	chr12_53324252
chr16	1068867	1068867	+	2.653E-10	2.0745E-09	-0.30995	hypo	sig	chr16_1068867
chr14	95061491	95061491	+	2.655E-10	2.0758E-09	-0.26208	hypo	sig	chr14_95061491
chr17	1005380	1005380	+	2.656E-10	2.0764E-09	0.276647	hyper	sig	chr17_1005380
chr7	1.02E+08	101628816	+	2.657E-10	2.077E-09	-0.25214	hypo	sig	chr7_101628816
chr5	1.4E+08	139660961	+	2.657E-10	2.0771E-09	0.203163	hyper	sig	chr5_139660961
chr11	1.34E+08	134385293	+	2.661E-10	2.08E-09	-0.2672	hypo	sig	chr11_134385293
chr5	1.41E+08	141355830	+	2.661E-10	2.0806E-09	0.203828	hyper	sig	chr5_141355830
chr1	16520647	16520647	+	2.664E-10	2.083E-09	0.204677	hyper	sig	chr1_16520647
chr1	47432775	47432775	+	2.667E-10	2.0846E-09	0.215403	hyper	sig	chr1_47432775
chr5	958205	958205	+	2.668E-10	2.0853E-09	-0.20761	hypo	sig	chr5_958205
chr22	17032615	17032615	+	2.669E-10	2.0862E-09	-0.21941	hypo	sig	chr22_17032615
chr20	40683689	40683689	+	2.669E-10	2.0864E-09	0.230569	hyper	sig	chr20_40683689

chr17	79981789	79981789	+	2.67E-10	2.087E-09	0.276048	hyper	sig	chr17_79981789
chr16	85602196	85602196	+	2.672E-10	2.0887E-09	0.21309	hyper	sig	chr16_85602196
chr12	52878034	52878034	+	2.673E-10	2.089E-09	-0.21377	hypo	sig	chr12_52878034
chr5	1089644	1089644	+	2.674E-10	2.0902E-09	0.206005	hyper	sig	chr5_1089644
chr19	1946061	1946061	+	2.675E-10	2.091E-09	0.20632	hyper	sig	chr19_1946061
chr9	1.35E+08	135300436	+	2.679E-10	2.0941E-09	-0.20016	hypo	sig	chr9_135300436
chr12	56488811	56488811	+	2.68E-10	2.0941E-09	0.217407	hyper	sig	chr12_56488811
chr8	1.44E+08	144151844	+	2.68E-10	2.0943E-09	0.258586	hyper	sig	chr8_144151844
chr8	56118055	56118055	+	2.681E-10	2.0952E-09	0.30935	hyper	sig	chr8_56118055
chr13	50127870	50127870	+	2.681E-10	2.0952E-09	0.266324	hyper	sig	chr13_50127870
chr11	69939687	69939687	+	2.684E-10	2.0976E-09	0.242881	hyper	sig	chr11_69939687
chr17	80465734	80465734	+	2.69E-10	2.1016E-09	-0.24511	hypo	sig	chr17_80465734
chr17	82242980	82242980	+	2.691E-10	2.1027E-09	0.245726	hyper	sig	chr17_82242980
chr9	1.26E+08	126490518	+	2.692E-10	2.1034E-09	-0.24536	hypo	sig	chr9_126490518
chr1	2.17E+08	217138130	+	2.698E-10	2.1077E-09	0.216267	hyper	sig	chr1_217138130
chr12	1.33E+08	132766902	+	2.7E-10	2.1097E-09	-0.26092	hypo	sig	chr12_132766902
chr5	1.5E+08	150166535	+	2.703E-10	2.1113E-09	-0.20948	hypo	sig	chr5_150166535
chr5	1093664	1093664	+	2.703E-10	2.1114E-09	-0.20812	hypo	sig	chr5_1093664
chr7	1587743	1587743	+	2.703E-10	2.1115E-09	-0.30096	hypo	sig	chr7_1587743
chr2	1.71E+08	170821714	+	2.705E-10	2.1133E-09	0.274109	hyper	sig	chr2_170821714
chr6	1594356	1594356	+	2.706E-10	2.1135E-09	-0.20042	hypo	sig	chr6_1594356
chr2	1138402	1138402	+	2.707E-10	2.1147E-09	-0.23881	hypo	sig	chr2_1138402
chr22	46375237	46375237	+	2.708E-10	2.1153E-09	-0.23974	hypo	sig	chr22_46375237
chr19	13014412	13014412	+	2.709E-10	2.116E-09	0.221417	hyper	sig	chr19_13014412
chr19	14053030	14053030	+	2.711E-10	2.1174E-09	-0.25155	hypo	sig	chr19_14053030
chr17	4789027	4789027	+	2.712E-10	2.1181E-09	-0.23214	hypo	sig	chr17_4789027
chr1	2906173	2906173	+	2.715E-10	2.1206E-09	0.200058	hyper	sig	chr1_2906173
chr7	1156689	1156689	+	2.716E-10	2.1211E-09	-0.24282	hypo	sig	chr7_1156689
chr19	37853815	37853815	+	2.719E-10	2.1237E-09	0.228395	hyper	sig	chr19_37853815
chr3	14522808	14522808	+	2.723E-10	2.1265E-09	-0.26381	hypo	sig	chr3_14522808
chr6	28259723	28259723	+	2.724E-10	2.1271E-09	0.251122	hyper	sig	chr6_28259723
chr16	14308300	14308300	+	2.724E-10	2.1278E-09	0.232934	hyper	sig	chr16_14308300
chr9	1.29E+08	129171928	+	2.725E-10	2.1278E-09	-0.28194	hypo	sig	chr9_129171928
chr8	55919828	55919828	+	2.726E-10	2.1289E-09	-0.22268	hypo	sig	chr8_55919828
chr1	2.28E+08	227925586	+	2.726E-10	2.1289E-09	-0.2617	hypo	sig	chr1_227925586
chr3	1.98E+08	197520931	+	2.728E-10	2.1303E-09	-0.24599	hypo	sig	chr3_197520931
chr7	1241925	1241925	+	2.728E-10	2.1307E-09	0.210477	hyper	sig	chr7_1241925
chr5	1.77E+08	177498627	+	2.729E-10	2.1308E-09	0.219636	hyper	sig	chr5_177498627
chr7	1065676	1065676	+	2.729E-10	2.1313E-09	0.236368	hyper	sig	chr7_1065676
chr8	48674429	48674429	+	2.732E-10	2.133E-09	-0.21688	hypo	sig	chr8_48674429
chr9	34374992	34374992	+	2.733E-10	2.1343E-09	-0.20641	hypo	sig	chr9_34374992
chr2	1.81E+08	181458171	+	2.734E-10	2.1345E-09	0.201109	hyper	sig	chr2_181458171
chr4	7985866	7985866	+	2.734E-10	2.1346E-09	-0.25893	hypo	sig	chr4_7985866
chr2	2.38E+08	237796578	+	2.736E-10	2.1362E-09	-0.23578	hypo	sig	chr2_237796578
chr10	1.33E+08	132785086	+	2.736E-10	2.1363E-09	0.36073	hyper	sig	chr10_132785086
chr2	1.11E+08	111366880	+	2.738E-10	2.1375E-09	0.225293	hyper	sig	chr2_111366880
chr7	4960651	4960651	+	2.739E-10	2.1386E-09	-0.24242	hypo	sig	chr7_4960651
chr5	2129146	2129146	+	2.74E-10	2.1393E-09	0.232808	hyper	sig	chr5_2129146
chr8	52939592	52939592	+	2.74E-10	2.1394E-09	0.288785	hyper	sig	chr8_52939592
chr12	52127352	52127352	+	2.741E-10	2.1397E-09	-0.23736	hypo	sig	chr12_52127352
chr17	72116726	72116726	+	2.744E-10	2.1421E-09	0.279656	hyper	sig	chr17_72116726
chr4	41879342	41879342	+	2.744E-10	2.1421E-09	0.23022	hyper	sig	chr4_41879342
chr15	1.01E+08	101320733	+	2.744E-10	2.1425E-09	0.219622	hyper	sig	chr15_101320733
chr17	48558192	48558192	+	2.745E-10	2.1429E-09	0.219749	hyper	sig	chr17_48558192
chr17	75723613	75723613	+	2.751E-10	2.1473E-09	-0.2063	hypo	sig	chr17_75723613
chr16	67661640	67661640	+	2.752E-10	2.1481E-09	0.227498	hyper	sig	chr16_67661640

chr10	48684706	48684706	+	2.759E-10	2.1535E-09	-0.2341	hypo	sig	chr10_48684706
chr4	6753436	6753436	+	2.76E-10	2.1544E-09	-0.20885	hypo	sig	chr4_6753436
chr1	1.19E+08	118989095	+	2.761E-10	2.1546E-09	0.241379	hyper	sig	chr1_118989095
chr16	268893	268893	+	2.761E-10	2.1548E-09	-0.20233	hypo	sig	chr16_268893
chr7	1.41E+08	140527527	+	2.761E-10	2.1551E-09	-0.22072	hypo	sig	chr7_140527527
chr1	2.28E+08	228465435	+	2.768E-10	2.16E-09	0.222424	hyper	sig	chr1_228465435
chr7	1.57E+08	156607999	+	2.769E-10	2.1611E-09	0.254456	hyper	sig	chr7_156607999
chr11	1.32E+08	131910487	+	2.77E-10	2.1618E-09	0.208266	hyper	sig	chr11_131910487
chr13	20946295	20946295	+	2.774E-10	2.1646E-09	0.214822	hyper	sig	chr13_20946295
chr6	1.08E+08	108119731	+	2.774E-10	2.1648E-09	0.30721	hyper	sig	chr6_108119731
chr5	32713414	32713414	+	2.775E-10	2.1655E-09	0.25769	hyper	sig	chr5_32713414
chr2	1939204	1939204	+	2.778E-10	2.1676E-09	-0.24817	hypo	sig	chr2_1939204
chr19	12155638	12155638	+	2.778E-10	2.168E-09	0.238223	hyper	sig	chr19_12155638
chr2	1564235	1564235	+	2.781E-10	2.1698E-09	-0.21045	hypo	sig	chr2_1564235
chr6	10385248	10385248	+	2.781E-10	2.1701E-09	0.240221	hyper	sig	chr6_10385248
chr7	42228122	42228122	+	2.781E-10	2.1702E-09	0.205028	hyper	sig	chr7_42228122
chr15	37102866	37102866	+	2.782E-10	2.1702E-09	0.211248	hyper	sig	chr15_37102866
chr17	83077110	83077110	+	2.781E-10	2.1702E-09	-0.27347	hypo	sig	chr17_83077110
chr11	73367805	73367805	+	2.782E-10	2.1703E-09	-0.23043	hypo	sig	chr11_73367805
chr16	68235153	68235153	+	2.782E-10	2.1709E-09	-0.25002	hypo	sig	chr16_68235153
chr15	70475036	70475036	+	2.783E-10	2.1714E-09	-0.21424	hypo	sig	chr15_70475036
chr3	48656193	48656193	+	2.785E-10	2.1728E-09	0.231437	hyper	sig	chr3_48656193
chr19	12295339	12295339	+	2.785E-10	2.1732E-09	0.238173	hyper	sig	chr19_12295339
chr21	45478696	45478696	+	2.788E-10	2.1748E-09	-0.27672	hypo	sig	chr21_45478696
chr5	1.01E+08	100687847	+	2.789E-10	2.1761E-09	-0.22264	hypo	sig	chr5_100687847
chr16	768437	768437	+	2.791E-10	2.1774E-09	-0.26327	hypo	sig	chr16_768437
chr22	16602497	16602497	+	2.792E-10	2.1778E-09	0.220556	hyper	sig	chr22_16602497
chr7	20776687	20776687	+	2.792E-10	2.178E-09	0.208304	hyper	sig	chr7_20776687
chr11	1.13E+08	112963751	+	2.792E-10	2.1782E-09	0.230162	hyper	sig	chr11_112963751
chr16	1992696	1992696	+	2.795E-10	2.1803E-09	0.237234	hyper	sig	chr16_1992696
chr6	36285309	36285309	+	2.797E-10	2.1815E-09	0.204061	hyper	sig	chr6_36285309
chr8	98949455	98949455	+	2.797E-10	2.1818E-09	0.246512	hyper	sig	chr8_98949455
chr4	1.54E+08	153759623	+	2.798E-10	2.1824E-09	0.25641	hyper	sig	chr4_153759623
chr14	20623226	20623226	+	2.798E-10	2.1824E-09	0.325815	hyper	sig	chr14_20623226
chr14	64541974	64541974	+	2.798E-10	2.1828E-09	0.22064	hyper	sig	chr14_64541974
chr20	35093373	35093373	+	2.799E-10	2.1829E-09	-0.20934	hypo	sig	chr20_35093373
chr4	81029033	81029033	+	2.804E-10	2.1867E-09	-0.21883	hypo	sig	chr4_81029033
chr13	78610021	78610021	+	2.805E-10	2.1879E-09	0.211496	hyper	sig	chr13_78610021
chr17	45896187	45896187	+	2.806E-10	2.1882E-09	0.224659	hyper	sig	chr17_45896187
chr4	1.9E+08	190015740	+	2.806E-10	2.1885E-09	0.216448	hyper	sig	chr4_190015740
chr19	29405398	29405398	+	2.806E-10	2.1885E-09	0.25715	hyper	sig	chr19_29405398
chr17	79833111	79833111	+	2.807E-10	2.1889E-09	-0.22266	hypo	sig	chr17_79833111
chr2	1.33E+08	132668780	+	2.808E-10	2.1898E-09	0.228153	hyper	sig	chr2_132668780
chr2	1.09E+08	109130222	+	2.808E-10	2.1901E-09	0.209648	hyper	sig	chr2_109130222
chr21	45379929	45379929	+	2.809E-10	2.1907E-09	-0.35039	hypo	sig	chr21_45379929
chr19	18891444	18891444	+	2.811E-10	2.1921E-09	-0.20258	hypo	sig	chr19_18891444
chr17	601779	601779	+	2.811E-10	2.1924E-09	0.231157	hyper	sig	chr17_601779
chr10	52884139	52884139	+	2.813E-10	2.1933E-09	-0.20497	hypo	sig	chr10_52884139
chr16	1007075	1007075	+	2.813E-10	2.1938E-09	-0.21566	hypo	sig	chr16_1007075
chr8	10547882	10547882	+	2.813E-10	2.1938E-09	-0.24287	hypo	sig	chr8_10547882
chr20	33732990	33732990	+	2.814E-10	2.1942E-09	-0.31038	hypo	sig	chr20_33732990
chr17	80196275	80196275	+	2.814E-10	2.1943E-09	0.261394	hyper	sig	chr17_80196275
chr1	1.07E+08	107480627	+	2.819E-10	2.1981E-09	0.223358	hyper	sig	chr1_107480627
chr11	75433737	75433737	+	2.821E-10	2.1994E-09	-0.29598	hypo	sig	chr11_75433737
chr16	1247815	1247815	+	2.822E-10	2.2003E-09	-0.20121	hypo	sig	chr16_1247815
chr17	851118	851118	+	2.822E-10	2.2005E-09	0.200709	hyper	sig	chr17_851118

chr8	1.44E+08	144339105	+	2.823E-10	2.2014E-09	0.231332	hyper	sig	chr8_144339105
chr16	1475659	1475659	+	2.825E-10	2.2023E-09	-0.21829	hypo	sig	chr16_1475659
chr12	663565	663565	+	2.825E-10	2.2024E-09	-0.22037	hypo	sig	chr12_663565
chr5	1.41E+08	140801648	+	2.825E-10	2.2026E-09	0.326686	hyper	sig	chr5_140801648
chr2	70901076	70901076	+	2.825E-10	2.2027E-09	0.205502	hyper	sig	chr2_70901076
chr13	1.02E+08	102400082	+	2.828E-10	2.2045E-09	0.231019	hyper	sig	chr13_102400082
chr6	33415096	33415096	+	2.828E-10	2.2049E-09	0.224403	hyper	sig	chr6_33415096
chr5	3188003	3188003	+	2.83E-10	2.2065E-09	0.202174	hyper	sig	chr5_3188003
chr7	945978	945978	+	2.831E-10	2.2072E-09	-0.2235	hypo	sig	chr7_945978
chr1	46493133	46493133	+	2.832E-10	2.2079E-09	0.272785	hyper	sig	chr1_46493133
chr15	23897851	23897851	+	2.832E-10	2.2079E-09	0.250633	hyper	sig	chr15_23897851
chr7	4113321	4113321	+	2.835E-10	2.2099E-09	-0.20787	hypo	sig	chr7_4113321
chr16	86968998	86968998	+	2.835E-10	2.2102E-09	0.226446	hyper	sig	chr16_86968998
chr7	1875632	1875632	+	2.836E-10	2.2104E-09	-0.20413	hypo	sig	chr7_1875632
chr16	88842060	88842060	+	2.836E-10	2.2108E-09	-0.22188	hypo	sig	chr16_88842060
chr12	1.21E+08	120980183	+	2.836E-10	2.211E-09	-0.26313	hypo	sig	chr12_120980183
chr22	45889853	45889853	+	2.837E-10	2.2113E-09	0.226733	hyper	sig	chr22_45889853
chr16	57091850	57091850	+	2.838E-10	2.2121E-09	0.208306	hyper	sig	chr16_57091850
chr3	14405137	14405137	+	2.839E-10	2.2131E-09	-0.21148	hypo	sig	chr3_14405137
chr2	38960678	38960678	+	2.84E-10	2.2138E-09	0.310354	hyper	sig	chr2_38960678
chr1	2.11E+08	211257415	+	2.841E-10	2.2145E-09	0.20526	hyper	sig	chr1_211257415
chr9	1.37E+08	136998072	+	2.844E-10	2.2164E-09	-0.22622	hypo	sig	chr9_136998072
chr22	32414404	32414404	+	2.844E-10	2.2168E-09	-0.22651	hypo	sig	chr22_32414404
chr5	13810111	13810111	+	2.844E-10	2.217E-09	0.224158	hyper	sig	chr5_13810111
chr11	1006059	1006059	+	2.846E-10	2.2181E-09	0.21014	hyper	sig	chr11_1006059
chr8	1.44E+08	143733069	+	2.846E-10	2.2184E-09	-0.24499	hypo	sig	chr8_143733069
chr5	1.41E+08	141236923	+	2.848E-10	2.2196E-09	0.21575	hyper	sig	chr5_141236923
chr3	13204592	13204592	+	2.849E-10	2.2203E-09	0.297136	hyper	sig	chr3_13204592
chr14	75980957	75980957	+	2.851E-10	2.2215E-09	0.233762	hyper	sig	chr14_75980957
chr2	1.06E+08	106342859	+	2.851E-10	2.222E-09	-0.20479	hypo	sig	chr2_106342859
chr2	64769839	64769839	+	2.851E-10	2.222E-09	-0.26932	hypo	sig	chr2_64769839
chr3	1.97E+08	196948447	+	2.852E-10	2.2224E-09	0.235569	hyper	sig	chr3_196948447
chr9	95079709	95079709	+	2.854E-10	2.2244E-09	0.206714	hyper	sig	chr9_95079709
chr1	1.56E+08	156161455	+	2.855E-10	2.2245E-09	0.219863	hyper	sig	chr1_156161455
chr17	45844966	45844966	+	2.856E-10	2.2254E-09	-0.27932	hypo	sig	chr17_45844966
chr6	10417152	10417152	+	2.857E-10	2.2261E-09	0.247741	hyper	sig	chr6_10417152
chr15	57303042	57303042	+	2.857E-10	2.2262E-09	-0.23377	hypo	sig	chr15_57303042
chr6	1.68E+08	168156017	+	2.858E-10	2.2268E-09	-0.28005	hypo	sig	chr6_168156017
chr5	1.41E+08	141423512	+	2.86E-10	2.2288E-09	0.205163	hyper	sig	chr5_141423512
chr1	10529414	10529414	+	2.866E-10	2.233E-09	0.208453	hyper	sig	chr1_10529414
chr20	64107726	64107726	+	2.867E-10	2.2336E-09	-0.21359	hypo	sig	chr20_64107726
chr14	36583566	36583566	+	2.868E-10	2.2344E-09	0.208989	hyper	sig	chr14_36583566
chr19	17797437	17797437	+	2.871E-10	2.2371E-09	-0.21709	hypo	sig	chr19_17797437
chr1	1.19E+08	119000562	+	2.873E-10	2.2383E-09	0.211879	hyper	sig	chr1_119000562
chr14	34554332	34554332	+	2.873E-10	2.2383E-09	-0.27611	hypo	sig	chr14_34554332
chr2	69387986	69387986	+	2.875E-10	2.2394E-09	-0.21336	hypo	sig	chr2_69387986
chr7	1.58E+08	157962037	+	2.88E-10	2.243E-09	0.216721	hyper	sig	chr7_157962037
chr19	11482201	11482201	+	2.88E-10	2.2437E-09	0.244064	hyper	sig	chr19_11482201
chr7	1.43E+08	142796603	+	2.882E-10	2.2451E-09	0.266609	hyper	sig	chr7_142796603
chr10	27413664	27413664	+	2.884E-10	2.2466E-09	0.274336	hyper	sig	chr10_27413664
chr16	51113851	51113851	+	2.889E-10	2.2499E-09	0.239982	hyper	sig	chr16_51113851
chr19	53788792	53788792	+	2.891E-10	2.2515E-09	-0.26691	hypo	sig	chr19_53788792
chr8	1.41E+08	141495100	+	2.891E-10	2.2519E-09	-0.2707	hypo	sig	chr8_141495100
chr20	38730890	38730890	+	2.892E-10	2.2525E-09	0.225265	hyper	sig	chr20_38730890
chr7	2110289	2110289	+	2.893E-10	2.2532E-09	-0.21324	hypo	sig	chr7_2110289
chr2	2.42E+08	241552436	+	2.895E-10	2.2546E-09	-0.28551	hypo	sig	chr2_241552436

chr22	17842769	17842769	+	2.895E-10	2.2547E-09	-0.22517	hypo	sig	chr22_17842769
chr6	5994852	5994852	+	2.897E-10	2.2558E-09	0.260004	hyper	sig	chr6_5994852
chr3	1.8E+08	180036406	+	2.898E-10	2.2569E-09	0.267552	hyper	sig	chr3_180036406
chr2	23663515	23663515	+	2.9E-10	2.2581E-09	0.259763	hyper	sig	chr2_23663515
chr5	1409720	1409720	+	2.901E-10	2.2587E-09	0.217317	hyper	sig	chr5_1409720
chr6	1.66E+08	166330907	+	2.903E-10	2.2607E-09	0.219676	hyper	sig	chr6_166330907
chr15	80693998	80693998	+	2.905E-10	2.2615E-09	0.207431	hyper	sig	chr15_80693998
chr17	41654657	41654657	+	2.907E-10	2.2635E-09	-0.24689	hypo	sig	chr17_41654657
chr9	1.24E+08	124487491	+	2.909E-10	2.2652E-09	0.203618	hyper	sig	chr9_124487491
chr5	1.41E+08	141376291	+	2.911E-10	2.2665E-09	0.208929	hyper	sig	chr5_141376291
chr7	1.58E+08	157683839	+	2.913E-10	2.2677E-09	0.248022	hyper	sig	chr7_157683839
chr5	89837	89837	+	2.915E-10	2.269E-09	-0.20862	hypo	sig	chr5_89837
chr18	76460077	76460077	+	2.919E-10	2.2721E-09	0.265475	hyper	sig	chr18_76460077
chr22	16602701	16602701	+	2.919E-10	2.2721E-09	0.219434	hyper	sig	chr22_16602701
chr2	2.4E+08	240234203	+	2.92E-10	2.2726E-09	-0.21084	hypo	sig	chr2_240234203
chr15	73989642	73989642	+	2.92E-10	2.2732E-09	-0.21461	hypo	sig	chr15_73989642
chr8	1.41E+08	141194212	+	2.924E-10	2.2758E-09	0.323347	hyper	sig	chr8_141194212
chr6	1.17E+08	117265341	+	2.924E-10	2.276E-09	0.211851	hyper	sig	chr6_117265341
chr19	48671103	48671103	+	2.925E-10	2.2766E-09	-0.28564	hypo	sig	chr19_48671103
chr6	33165804	33165804	+	2.927E-10	2.278E-09	-0.20765	hypo	sig	chr6_33165804
chr10	1.27E+08	126906500	+	2.927E-10	2.278E-09	0.241944	hyper	sig	chr10_126906500
chr19	51026743	51026743	+	2.928E-10	2.2786E-09	-0.22872	hypo	sig	chr19_51026743
chr3	1.14E+08	113623562	+	2.928E-10	2.2787E-09	0.275108	hyper	sig	chr3_113623562
chr19	12195039	12195039	+	2.928E-10	2.2792E-09	0.223312	hyper	sig	chr19_12195039
chr3	1.2E+08	120450924	+	2.936E-10	2.2852E-09	0.231579	hyper	sig	chr3_120450924
chr11	71424049	71424049	+	2.938E-10	2.2864E-09	-0.29956	hypo	sig	chr11_71424049
chr14	1.04E+08	104158914	+	2.939E-10	2.2876E-09	-0.21791	hypo	sig	chr14_104158914
chr12	1.17E+08	116880708	+	2.94E-10	2.2878E-09	0.206429	hyper	sig	chr12_116880708
chr5	1.17E+08	116576621	+	2.942E-10	2.2895E-09	0.218499	hyper	sig	chr5_116576621
chr5	2537299	2537299	+	2.943E-10	2.2899E-09	-0.27699	hypo	sig	chr5_2537299
chr12	1.32E+08	132423464	+	2.944E-10	2.2908E-09	-0.22795	hypo	sig	chr12_132423464
chr9	1.37E+08	137130466	+	2.944E-10	2.2909E-09	0.201178	hyper	sig	chr9_137130466
chr17	10051608	10051608	+	2.946E-10	2.2924E-09	-0.20638	hypo	sig	chr17_10051608
chr14	1.04E+08	103889717	+	2.946E-10	2.2927E-09	-0.20084	hypo	sig	chr14_103889717
chr4	1.39E+08	139279629	+	2.947E-10	2.2929E-09	0.203647	hyper	sig	chr4_139279629
chr7	1513522	1513522	+	2.947E-10	2.2932E-09	-0.20929	hypo	sig	chr7_1513522
chr16	49281005	49281005	+	2.947E-10	2.2933E-09	0.202248	hyper	sig	chr16_49281005
chr19	1520503	1520503	+	2.948E-10	2.2936E-09	-0.27167	hypo	sig	chr19_1520503
chr5	1.41E+08	141224771	+	2.949E-10	2.2944E-09	0.211526	hyper	sig	chr5_141224771
chr8	1.44E+08	143954155	+	2.949E-10	2.2945E-09	0.202297	hyper	sig	chr8_143954155
chr20	46538973	46538973	+	2.95E-10	2.2953E-09	-0.28543	hypo	sig	chr20_46538973
chr3	1.27E+08	126704953	+	2.957E-10	2.3002E-09	0.214984	hyper	sig	chr3_126704953
chr4	3750651	3750651	+	2.957E-10	2.3005E-09	-0.22979	hypo	sig	chr4_3750651
chr11	45667109	45667109	+	2.957E-10	2.3008E-09	-0.22732	hypo	sig	chr11_45667109
chr15	75178427	75178427	+	2.96E-10	2.303E-09	0.218597	hyper	sig	chr15_75178427
chr5	41509702	41509702	+	2.961E-10	2.3034E-09	0.22524	hyper	sig	chr5_41509702
chr6	6006539	6006539	+	2.961E-10	2.3034E-09	0.216577	hyper	sig	chr6_6006539
chr16	88101473	88101473	+	2.963E-10	2.3049E-09	0.231876	hyper	sig	chr16_88101473
chr5	38257991	38257991	+	2.967E-10	2.3077E-09	0.305839	hyper	sig	chr5_38257991
chr19	18650369	18650369	+	2.967E-10	2.308E-09	0.229104	hyper	sig	chr19_18650369
chr16	55325122	55325122	+	2.968E-10	2.3086E-09	0.221578	hyper	sig	chr16_55325122
chr20	3408968	3408968	+	2.971E-10	2.3107E-09	0.21104	hyper	sig	chr20_3408968
chr5	1.41E+08	141345509	+	2.972E-10	2.3113E-09	0.318491	hyper	sig	chr5_141345509
chr1	3111992	3111992	+	2.976E-10	2.3143E-09	0.267386	hyper	sig	chr1_3111992
chr8	27489167	27489167	+	2.976E-10	2.3149E-09	-0.22468	hypo	sig	chr8_27489167
chr12	56021541	56021541	+	2.982E-10	2.3189E-09	0.292783	hyper	sig	chr12_56021541

chr10	1.33E+08	132925934	+	2.986E-10	2.3217E-09	-0.22951	hypo	sig	chr10_132925934
chr17	18636414	18636414	+	2.986E-10	2.3218E-09	-0.2416	hypo	sig	chr17_18636414
chr2	1.45E+08	144524695	+	2.987E-10	2.3225E-09	0.207635	hyper	sig	chr2_144524695
chr3	42537016	42537016	+	2.987E-10	2.3226E-09	0.208559	hyper	sig	chr3_42537016
chr7	1.59E+08	159022463	+	2.987E-10	2.3229E-09	-0.22996	hypo	sig	chr7_159022463
chr2	74415405	74415405	+	2.988E-10	2.3233E-09	0.236424	hyper	sig	chr2_74415405
chr8	1.43E+08	143187141	+	2.989E-10	2.3241E-09	-0.23167	hypo	sig	chr8_143187141
chr14	22105329	22105329	+	2.989E-10	2.3242E-09	-0.2137	hypo	sig	chr14_22105329
chr14	1.03E+08	102546003	+	2.992E-10	2.3268E-09	0.244917	hyper	sig	chr14_102546003
chr4	7591710	7591710	+	2.993E-10	2.3271E-09	-0.23257	hypo	sig	chr4_7591710
chr19	7006415	7006415	+	2.994E-10	2.3282E-09	-0.25511	hypo	sig	chr19_7006415
chr1	9183707	9183707	+	2.995E-10	2.3287E-09	0.257462	hyper	sig	chr1_9183707
chr12	1.15E+08	114699904	+	2.997E-10	2.3298E-09	0.20189	hyper	sig	chr12_114699904
chr9	1.02E+08	101737502	+	2.997E-10	2.3305E-09	0.247499	hyper	sig	chr9_101737502
chr20	45471035	45471035	+	2.999E-10	2.3315E-09	0.209184	hyper	sig	chr20_45471035
chr6	10385080	10385080	+	3E-10	2.3328E-09	0.242386	hyper	sig	chr6_10385080
chr5	1.2E+08	120465284	+	3.005E-10	2.3359E-09	0.224057	hyper	sig	chr5_120465284
chr3	12944666	12944666	+	3.005E-10	2.3363E-09	0.236371	hyper	sig	chr3_12944666
chr11	43583208	43583208	+	3.006E-10	2.3368E-09	0.223801	hyper	sig	chr11_43583208
chr17	82372539	82372539	+	3.007E-10	2.3375E-09	0.228381	hyper	sig	chr17_82372539
chr16	89118183	89118183	+	3.008E-10	2.3386E-09	0.230618	hyper	sig	chr16_89118183
chr6	1.68E+08	168052603	+	3.008E-10	2.3387E-09	-0.21731	hypo	sig	chr6_168052603
chr10	99527302	99527302	+	3.009E-10	2.339E-09	0.249235	hyper	sig	chr10_99527302
chr1	2239904	2239904	+	3.01E-10	2.3399E-09	0.278054	hyper	sig	chr1_2239904
chr13	1.03E+08	102774207	+	3.011E-10	2.3404E-09	0.27893	hyper	sig	chr13_102774207
chr12	453664	453664	+	3.015E-10	2.3435E-09	-0.23027	hypo	sig	chr12_453664
chr17	42685093	42685093	+	3.019E-10	2.3465E-09	0.276868	hyper	sig	chr17_42685093
chr16	2842621	2842621	+	3.025E-10	2.3508E-09	0.214938	hyper	sig	chr16_2842621
chr8	23225774	23225774	+	3.027E-10	2.3523E-09	-0.254	hypo	sig	chr8_23225774
chr5	1.46E+08	146334202	+	3.027E-10	2.3528E-09	0.206941	hyper	sig	chr5_146334202
chr11	2301277	2301277	+	3.028E-10	2.3534E-09	-0.22043	hypo	sig	chr11_2301277
chr4	8273341	8273341	+	3.03E-10	2.3549E-09	-0.21993	hypo	sig	chr4_8273341
chr11	3233326	3233326	+	3.031E-10	2.3553E-09	-0.26732	hypo	sig	chr11_3233326
chr6	37576769	37576769	+	3.031E-10	2.3556E-09	-0.20097	hypo	sig	chr6_37576769
chr16	563642	563642	+	3.035E-10	2.3585E-09	-0.22456	hypo	sig	chr16_563642
chr5	1.41E+08	141375759	+	3.036E-10	2.3592E-09	0.218839	hyper	sig	chr5_141375759
chr10	52308867	52308867	+	3.036E-10	2.3594E-09	0.248071	hyper	sig	chr10_52308867
chr1	2.01E+08	200737933	+	3.038E-10	2.3601E-09	-0.26949	hypo	sig	chr1_200737933
chr7	15686358	15686358	+	3.039E-10	2.3608E-09	0.224705	hyper	sig	chr7_15686358
chr13	41455876	41455876	+	3.039E-10	2.3613E-09	-0.21245	hypo	sig	chr13_41455876
chr19	470965	470965	+	3.041E-10	2.3623E-09	-0.21761	hypo	sig	chr19_470965
chr12	49334367	49334367	+	3.044E-10	2.3647E-09	0.209103	hyper	sig	chr12_49334367
chr12	1.25E+08	124655723	+	3.044E-10	2.3649E-09	0.228995	hyper	sig	chr12_124655723
chr11	78196277	78196277	+	3.046E-10	2.3664E-09	0.226411	hyper	sig	chr11_78196277
chr12	1.3E+08	130163345	+	3.046E-10	2.3666E-09	0.273528	hyper	sig	chr12_130163345
chr6	7468615	7468615	+	3.048E-10	2.3681E-09	-0.20772	hypo	sig	chr6_7468615
chr7	1.29E+08	128856631	+	3.051E-10	2.37E-09	0.235778	hyper	sig	chr7_128856631
chr19	2513304	2513304	+	3.051E-10	2.3703E-09	-0.21983	hypo	sig	chr19_2513304
chr20	63682323	63682323	+	3.052E-10	2.3704E-09	0.236532	hyper	sig	chr20_63682323
chr3	36453429	36453429	+	3.055E-10	2.3727E-09	-0.21145	hypo	sig	chr3_36453429
chr11	1.19E+08	119368373	+	3.056E-10	2.3738E-09	-0.20113	hypo	sig	chr11_119368373
chr11	1.3E+08	130190508	+	3.056E-10	2.3739E-09	-0.20374	hypo	sig	chr11_130190508
chr8	26382396	26382396	+	3.057E-10	2.3747E-09	-0.21971	hypo	sig	chr8_26382396
chr17	8397800	8397800	+	3.065E-10	2.3802E-09	-0.22318	hypo	sig	chr17_8397800
chr22	24188779	24188779	+	3.065E-10	2.3806E-09	-0.20901	hypo	sig	chr22_24188779
chr17	80472080	80472080	+	3.067E-10	2.3818E-09	-0.22693	hypo	sig	chr17_80472080

chr22	36566801	36566801	+	3.069E-10	2.3835E-09	-0.23242	hypo	sig	chr22_36566801
chr20	60055394	60055394	+	3.07E-10	2.384E-09	-0.20487	hypo	sig	chr20_60055394
chr16	30029692	30029692	+	3.074E-10	2.3872E-09	-0.21319	hypo	sig	chr16_30029692
chr9	1.36E+08	135781123	+	3.075E-10	2.3881E-09	-0.21	hypo	sig	chr9_135781123
chr5	1.41E+08	140871331	+	3.076E-10	2.3887E-09	0.220445	hyper	sig	chr5_140871331
chr16	3962927	3962927	+	3.077E-10	2.3889E-09	-0.21913	hypo	sig	chr16_3962927
chr10	1.01E+08	101238360	+	3.078E-10	2.3903E-09	0.221742	hyper	sig	chr10_101238360
chr19	1908457	1908457	+	3.079E-10	2.3904E-09	-0.22497	hypo	sig	chr19_1908457
chr6	10419067	10419067	+	3.079E-10	2.3904E-09	0.331298	hyper	sig	chr6_10419067
chr3	62371169	62371169	+	3.082E-10	2.3933E-09	0.258084	hyper	sig	chr3_62371169
chr5	44389653	44389653	+	3.083E-10	2.3937E-09	0.251146	hyper	sig	chr5_44389653
chr19	40216569	40216569	+	3.083E-10	2.394E-09	-0.24222	hypo	sig	chr19_40216569
chr11	65047464	65047464	+	3.084E-10	2.3948E-09	0.284917	hyper	sig	chr11_65047464
chr18	48408134	48408134	+	3.085E-10	2.3954E-09	0.280958	hyper	sig	chr18_48408134
chr16	87688827	87688827	+	3.087E-10	2.3964E-09	-0.23347	hypo	sig	chr16_87688827
chr17	41350861	41350861	+	3.087E-10	2.3966E-09	-0.22893	hypo	sig	chr17_41350861
chr10	28925270	28925270	+	3.088E-10	2.3973E-09	0.205391	hyper	sig	chr10_28925270
chr20	57261620	57261620	+	3.088E-10	2.3975E-09	0.229128	hyper	sig	chr20_57261620
chr7	2979516	2979516	+	3.088E-10	2.3976E-09	0.203457	hyper	sig	chr7_2979516
chr2	721057	721057	+	3.089E-10	2.3978E-09	-0.28465	hypo	sig	chr2_721057
chr17	38538908	38538908	+	3.089E-10	2.398E-09	-0.22825	hypo	sig	chr17_38538908
chr13	36672952	36672952	+	3.09E-10	2.3988E-09	-0.21348	hypo	sig	chr13_36672952
chr16	46573790	46573790	+	3.092E-10	2.4002E-09	-0.25741	hypo	sig	chr16_46573790
chr3	58577864	58577864	+	3.093E-10	2.4009E-09	0.216587	hyper	sig	chr3_58577864
chr1	2883050	2883050	+	3.095E-10	2.4026E-09	0.239029	hyper	sig	chr1_2883050
chr2	1.76E+08	176083232	+	3.097E-10	2.4041E-09	0.211133	hyper	sig	chr2_176083232
chr9	1.37E+08	136998079	+	3.098E-10	2.4043E-09	-0.22621	hypo	sig	chr9_136998079
chr5	1.41E+08	141102030	+	3.099E-10	2.405E-09	0.227654	hyper	sig	chr5_141102030
chr13	1.13E+08	113364804	+	3.099E-10	2.4052E-09	0.227385	hyper	sig	chr13_113364804
chr18	11752128	11752128	+	3.1E-10	2.4057E-09	0.243499	hyper	sig	chr18_11752128
chr8	1.42E+08	141602741	+	3.1E-10	2.406E-09	-0.22581	hypo	sig	chr8_141602741
chr16	535244	535244	+	3.103E-10	2.408E-09	-0.27414	hypo	sig	chr16_535244
chr2	96762295	96762295	+	3.104E-10	2.4086E-09	-0.20078	hypo	sig	chr2_96762295
chr15	25727375	25727375	+	3.106E-10	2.4101E-09	-0.22218	hypo	sig	chr15_25727375
chr2	20107012	20107012	+	3.108E-10	2.4123E-09	0.209454	hyper	sig	chr2_20107012
chr6	1.68E+08	168396758	+	3.111E-10	2.4139E-09	-0.20491	hypo	sig	chr6_168396758
chr5	2704197	2704197	+	3.113E-10	2.4155E-09	-0.24209	hypo	sig	chr5_2704197
chr11	17718850	17718850	+	3.113E-10	2.4157E-09	0.253295	hyper	sig	chr11_17718850
chr19	4548342	4548342	+	3.114E-10	2.4162E-09	-0.23786	hypo	sig	chr19_4548342
chr4	1233247	1233247	+	3.114E-10	2.4167E-09	0.209635	hyper	sig	chr4_1233247
chr17	6552012	6552012	+	3.12E-10	2.4212E-09	-0.26649	hypo	sig	chr17_6552012
chr17	48753942	48753942	+	3.131E-10	2.4289E-09	0.236237	hyper	sig	chr17_48753942
chr5	1.41E+08	141409980	+	3.131E-10	2.4293E-09	0.260432	hyper	sig	chr5_141409980
chr8	1.4E+08	140100774	+	3.134E-10	2.4312E-09	0.218992	hyper	sig	chr8_140100774
chr1	47449881	47449881	+	3.137E-10	2.4334E-09	0.208635	hyper	sig	chr1_47449881
chr4	54094039	54094039	+	3.143E-10	2.4382E-09	0.234684	hyper	sig	chr4_54094039
chr5	1.41E+08	140842635	+	3.147E-10	2.441E-09	0.206501	hyper	sig	chr5_140842635
chr10	3118732	3118732	+	3.147E-10	2.4415E-09	-0.26753	hypo	sig	chr10_3118732
chr19	44776583	44776583	+	3.151E-10	2.4442E-09	-0.24101	hypo	sig	chr19_44776583
chr7	15687226	15687226	+	3.152E-10	2.4451E-09	0.212823	hyper	sig	chr7_15687226
chr19	41328233	41328233	+	3.153E-10	2.4455E-09	-0.20121	hypo	sig	chr19_41328233
chr16	29663590	29663590	+	3.156E-10	2.4477E-09	-0.21412	hypo	sig	chr16_29663590
chr2	2.39E+08	239246587	+	3.16E-10	2.4506E-09	-0.21308	hypo	sig	chr2_239246587
chr3	13484440	13484440	+	3.161E-10	2.4517E-09	-0.21331	hypo	sig	chr3_13484440
chr2	61889548	61889548	+	3.162E-10	2.452E-09	-0.3029	hypo	sig	chr2_61889548
chr5	1.69E+08	169301789	+	3.162E-10	2.4525E-09	-0.20578	hypo	sig	chr5_169301789

chr1	2.31E+08	230849986	+	3.166E-10	2.4551E-09	0.227293	hyper	sig	chr1_230849986
chr10	1.32E+08	132066979	+	3.166E-10	2.4552E-09	-0.27605	hypo	sig	chr10_132066979
chr20	58841817	58841817	+	3.171E-10	2.4593E-09	0.207275	hyper	sig	chr20_58841817
chr12	52906509	52906509	+	3.175E-10	2.4616E-09	-0.23898	hypo	sig	chr12_52906509
chr7	55018517	55018517	+	3.176E-10	2.4625E-09	0.200664	hyper	sig	chr7_55018517
chr6	41407150	41407150	+	3.177E-10	2.4637E-09	0.208254	hyper	sig	chr6_41407150
chr12	1.22E+08	121918946	+	3.178E-10	2.4638E-09	0.219698	hyper	sig	chr12_121918946
chr7	35454962	35454962	+	3.178E-10	2.4643E-09	0.294703	hyper	sig	chr7_35454962
chr1	2.21E+08	220876589	+	3.179E-10	2.4645E-09	0.281818	hyper	sig	chr1_220876589
chr1	3550366	3550366	+	3.179E-10	2.4648E-09	-0.20327	hypo	sig	chr1_3550366
chr17	77793311	77793311	+	3.181E-10	2.4663E-09	-0.21351	hypo	sig	chr17_77793311
chr2	10331348	10331348	+	3.181E-10	2.4666E-09	-0.29403	hypo	sig	chr2_10331348
chr12	7863195	7863195	+	3.183E-10	2.4674E-09	0.215687	hyper	sig	chr12_7863195
chr3	1.95E+08	195446555	+	3.186E-10	2.4698E-09	-0.20128	hypo	sig	chr3_195446555
chr12	1.33E+08	132766774	+	3.188E-10	2.4715E-09	-0.27639	hypo	sig	chr12_132766774
chr7	1.58E+08	157736752	+	3.194E-10	2.4757E-09	-0.21167	hypo	sig	chr7_157736752
chr14	28766011	28766011	+	3.199E-10	2.4796E-09	0.209919	hyper	sig	chr14_28766011
chr6	30685744	30685744	+	3.2E-10	2.4804E-09	0.253791	hyper	sig	chr6_30685744
chr19	1356494	1356494	+	3.201E-10	2.4809E-09	0.225438	hyper	sig	chr19_1356494
chr10	71316900	71316900	+	3.202E-10	2.482E-09	-0.20639	hypo	sig	chr10_71316900
chr17	77488313	77488313	+	3.204E-10	2.4836E-09	0.231122	hyper	sig	chr17_77488313
chr17	16683507	16683507	+	3.206E-10	2.4848E-09	0.2095	hyper	sig	chr17_16683507
chr22	45889758	45889758	+	3.206E-10	2.4848E-09	0.249397	hyper	sig	chr22_45889758
chr16	54932809	54932809	+	3.206E-10	2.4848E-09	0.373414	hyper	sig	chr16_54932809
chr18	37567872	37567872	+	3.206E-10	2.485E-09	0.200727	hyper	sig	chr18_37567872
chr13	1.14E+08	114042101	+	3.207E-10	2.4858E-09	-0.24514	hypo	sig	chr13_114042101
chr1	1.72E+08	171841076	+	3.208E-10	2.486E-09	0.24907	hyper	sig	chr1_171841076
chr5	1.5E+08	150166510	+	3.209E-10	2.487E-09	-0.22198	hypo	sig	chr5_150166510
chr19	53899201	53899201	+	3.212E-10	2.4891E-09	0.278132	hyper	sig	chr19_53899201
chr2	2.06E+08	206444150	+	3.215E-10	2.4912E-09	0.218435	hyper	sig	chr2_206444150
chr1	75132171	75132171	+	3.217E-10	2.4929E-09	0.232089	hyper	sig	chr1_75132171
chr21	45642661	45642661	+	3.22E-10	2.495E-09	0.244481	hyper	sig	chr21_45642661
chr7	73568262	73568262	+	3.223E-10	2.4973E-09	-0.2622	hypo	sig	chr7_73568262
chr14	1.03E+08	102545995	+	3.223E-10	2.4978E-09	0.237791	hyper	sig	chr14_102545995
chr16	75239515	75239515	+	3.226E-10	2.4997E-09	0.240146	hyper	sig	chr16_75239515
chr10	1.32E+08	132136532	+	3.227E-10	2.5003E-09	-0.28782	hypo	sig	chr10_132136532
chr5	10567528	10567528	+	3.228E-10	2.501E-09	0.292066	hyper	sig	chr5_10567528
chr2	1.19E+08	118845248	+	3.229E-10	2.5016E-09	0.220007	hyper	sig	chr2_118845248
chr4	1606755	1606755	+	3.229E-10	2.5022E-09	-0.21477	hypo	sig	chr4_1606755
chr2	1.28E+08	128493806	+	3.233E-10	2.5046E-09	0.202122	hyper	sig	chr2_128493806
chr2	1.68E+08	167716246	+	3.233E-10	2.5051E-09	-0.26291	hypo	sig	chr2_167716246
chr12	1.13E+08	113421026	+	3.234E-10	2.5059E-09	-0.20993	hypo	sig	chr12_113421026
chr16	1152015	1152015	+	3.234E-10	2.5059E-09	-0.20318	hypo	sig	chr16_1152015
chr9	1.28E+08	128408986	+	3.235E-10	2.5065E-09	0.252903	hyper	sig	chr9_128408986
chr11	8262933	8262933	+	3.237E-10	2.5076E-09	0.212965	hyper	sig	chr11_8262933
chr2	1.72E+08	172081433	+	3.237E-10	2.508E-09	0.207736	hyper	sig	chr2_172081433
chr1	44029020	44029020	+	3.238E-10	2.5087E-09	-0.2109	hypo	sig	chr1_44029020
chr19	40613511	40613511	+	3.238E-10	2.5087E-09	0.235067	hyper	sig	chr19_40613511
chr8	1.44E+08	143708227	+	3.241E-10	2.5106E-09	0.212013	hyper	sig	chr8_143708227
chr17	38421396	38421396	+	3.243E-10	2.5122E-09	0.237572	hyper	sig	chr17_38421396
chr1	14598636	14598636	+	3.244E-10	2.5127E-09	0.222989	hyper	sig	chr1_14598636
chr16	88184789	88184789	+	3.244E-10	2.5131E-09	-0.20989	hypo	sig	chr16_88184789
chr12	1.32E+08	132271082	+	3.246E-10	2.5144E-09	-0.25003	hypo	sig	chr12_132271082
chr15	25231239	25231239	+	3.247E-10	2.515E-09	-0.23185	hypo	sig	chr15_25231239
chr7	98878103	98878103	+	3.247E-10	2.5152E-09	0.266721	hyper	sig	chr7_98878103
chr20	58461578	58461578	+	3.249E-10	2.5167E-09	-0.30186	hypo	sig	chr20_58461578

chr11	18412326	18412326	+	3.251E-10	2.518E-09	0.242484	hyper	sig	chr11_18412326
chr2	91747346	91747346	+	3.251E-10	2.518E-09	-0.21345	hypo	sig	chr2_91747346
chr17	13114952	13114952	+	3.252E-10	2.5184E-09	0.213508	hyper	sig	chr17_13114952
chr12	53050197	53050197	+	3.258E-10	2.5231E-09	0.203821	hyper	sig	chr12_53050197
chr7	15685875	15685875	+	3.258E-10	2.5236E-09	0.20888	hyper	sig	chr7_15685875
chr16	51113876	51113876	+	3.259E-10	2.5242E-09	0.258811	hyper	sig	chr16_51113876
chr17	1078403	1078403	+	3.261E-10	2.5254E-09	0.200292	hyper	sig	chr17_1078403
chr2	2.32E+08	231924767	+	3.261E-10	2.5256E-09	-0.29365	hypo	sig	chr2_231924767
chr1	2.46E+08	245577997	+	3.263E-10	2.5265E-09	-0.20571	hypo	sig	chr1_245577997
chr17	41350730	41350730	+	3.264E-10	2.5277E-09	-0.22077	hypo	sig	chr17_41350730
chr11	43523182	43523182	+	3.264E-10	2.5279E-09	-0.22825	hypo	sig	chr11_43523182
chr19	28727238	28727238	+	3.268E-10	2.5307E-09	0.283814	hyper	sig	chr19_28727238
chr20	2817075	2817075	+	3.269E-10	2.5313E-09	-0.30642	hypo	sig	chr20_2817075
chr2	1.71E+08	170813990	+	3.271E-10	2.5327E-09	0.230226	hyper	sig	chr2_170813990
chr5	1.41E+08	140871259	+	3.273E-10	2.5338E-09	0.253336	hyper	sig	chr5_140871259
chr6	41584797	41584797	+	3.274E-10	2.5349E-09	0.237374	hyper	sig	chr6_41584797
chr13	1.12E+08	112036212	+	3.275E-10	2.5354E-09	-0.20991	hypo	sig	chr13_112036212
chr7	1.55E+08	155369926	+	3.276E-10	2.5361E-09	0.21616	hyper	sig	chr7_155369926
chr6	6006684	6006684	+	3.277E-10	2.537E-09	0.21003	hyper	sig	chr6_6006684
chr1	1.55E+08	154502739	+	3.281E-10	2.5398E-09	0.25241	hyper	sig	chr1_154502739
chr17	65538408	65538408	+	3.286E-10	2.5435E-09	-0.24346	hypo	sig	chr17_65538408
chr6	1.66E+08	165661928	+	3.289E-10	2.5458E-09	0.203675	hyper	sig	chr6_165661928
chr8	55102571	55102571	+	3.29E-10	2.5466E-09	0.232504	hyper	sig	chr8_55102571
chr16	89861248	89861248	+	3.29E-10	2.5469E-09	0.244103	hyper	sig	chr16_89861248
chr4	72569708	72569708	+	3.3E-10	2.5541E-09	0.209114	hyper	sig	chr4_72569708
chr7	1.59E+08	158979051	+	3.301E-10	2.5554E-09	-0.23345	hypo	sig	chr7_158979051
chr14	60653482	60653482	+	3.302E-10	2.5558E-09	0.234591	hyper	sig	chr14_60653482
chr11	1.3E+08	130315746	+	3.303E-10	2.5563E-09	-0.20272	hypo	sig	chr11_130315746
chr1	1947126	1947126	+	3.304E-10	2.5571E-09	-0.2067	hypo	sig	chr1_1947126
chr7	94394113	94394113	+	3.307E-10	2.5597E-09	0.239329	hyper	sig	chr7_94394113
chr1	1060916	1060916	+	3.311E-10	2.5628E-09	-0.2561	hypo	sig	chr1_1060916
chr4	6322822	6322822	+	3.313E-10	2.5642E-09	-0.26799	hypo	sig	chr4_6322822
chr19	52536349	52536349	+	3.318E-10	2.5676E-09	0.280934	hyper	sig	chr19_52536349
chr2	662910	662910	+	3.32E-10	2.5696E-09	-0.21384	hypo	sig	chr2_662910
chr2	88451852	88451852	+	3.323E-10	2.5718E-09	0.215959	hyper	sig	chr2_88451852
chr7	56809973	56809973	+	3.324E-10	2.5722E-09	-0.21959	hypo	sig	chr7_56809973
chr19	42256554	42256554	+	3.324E-10	2.5725E-09	0.230633	hyper	sig	chr19_42256554
chr11	1.25E+08	124920959	+	3.325E-10	2.5727E-09	0.208541	hyper	sig	chr11_124920959
chr1	23627295	23627295	+	3.325E-10	2.5731E-09	-0.25061	hypo	sig	chr1_23627295
chr14	56797468	56797468	+	3.328E-10	2.5751E-09	0.229914	hyper	sig	chr14_56797468
chr2	2.06E+08	206444177	+	3.331E-10	2.5772E-09	0.218441	hyper	sig	chr2_206444177
chr2	2.38E+08	237633893	+	3.332E-10	2.578E-09	-0.23373	hypo	sig	chr2_237633893
chr20	50116430	50116430	+	3.332E-10	2.5783E-09	-0.22048	hypo	sig	chr20_50116430
chr5	1.41E+08	140788362	+	3.334E-10	2.5798E-09	0.236685	hyper	sig	chr5_140788362
chr9	1.36E+08	136155702	+	3.335E-10	2.5799E-09	-0.21803	hypo	sig	chr9_136155702
chr9	1.22E+08	122216900	+	3.338E-10	2.5821E-09	0.243101	hyper	sig	chr9_122216900
chr16	1026014	1026014	+	3.34E-10	2.5842E-09	0.20222	hyper	sig	chr16_1026014
chr5	1.41E+08	140883635	+	3.341E-10	2.5845E-09	0.28667	hyper	sig	chr5_140883635
chr11	1.18E+08	117514970	+	3.345E-10	2.5877E-09	-0.20887	hypo	sig	chr11_117514970
chr12	56488802	56488802	+	3.346E-10	2.5881E-09	0.225114	hyper	sig	chr12_56488802
chr11	71424224	71424224	+	3.347E-10	2.5892E-09	-0.21174	hypo	sig	chr11_71424224
chr7	1.14E+08	114088451	+	3.347E-10	2.5893E-09	0.213263	hyper	sig	chr7_114088451
chr1	2270532	2270532	+	3.348E-10	2.5901E-09	0.255174	hyper	sig	chr1_2270532
chr2	20242400	20242400	+	3.35E-10	2.5913E-09	0.246586	hyper	sig	chr2_20242400
chr1	41383517	41383517	+	3.354E-10	2.5942E-09	0.253726	hyper	sig	chr1_41383517
chr3	11534027	11534027	+	3.354E-10	2.5942E-09	-0.25406	hypo	sig	chr3_11534027

chr12	1.32E+08	132173309	+	3.354E-10	2.5944E-09	-0.2697	hypo	sig	chr12_132173309
chr20	31721756	31721756	+	3.359E-10	2.5981E-09	-0.21928	hypo	sig	chr20_31721756
chr13	1.12E+08	112107047	+	3.362E-10	2.6004E-09	0.276561	hyper	sig	chr13_112107047
chr11	6571447	6571447	+	3.365E-10	2.6022E-09	0.213292	hyper	sig	chr11_6571447
chr19	815099	815099	+	3.371E-10	2.6069E-09	-0.25837	hypo	sig	chr19_815099
chr19	47434122	47434122	+	3.373E-10	2.6083E-09	-0.20128	hypo	sig	chr19_47434122
chr14	94773830	94773830	+	3.374E-10	2.6094E-09	0.265629	hyper	sig	chr14_94773830
chr7	70590325	70590325	+	3.375E-10	2.6098E-09	-0.22195	hypo	sig	chr7_70590325
chr17	50634297	50634297	+	3.38E-10	2.6139E-09	-0.28722	hypo	sig	chr17_50634297
chr2	2.41E+08	240580230	+	3.381E-10	2.6143E-09	-0.21174	hypo	sig	chr2_240580230
chr2	91442033	91442033	+	3.386E-10	2.6175E-09	0.205415	hyper	sig	chr2_91442033
chr10	1.33E+08	132796869	+	3.386E-10	2.6178E-09	-0.20225	hypo	sig	chr10_132796869
chr20	29080152	29080152	+	3.387E-10	2.6183E-09	0.233623	hyper	sig	chr20_29080152
chr8	1.43E+08	143088843	+	3.387E-10	2.6185E-09	-0.20124	hypo	sig	chr8_143088843
chr22	43346234	43346234	+	3.389E-10	2.62E-09	-0.25307	hypo	sig	chr22_43346234
chr16	1137841	1137841	+	3.389E-10	2.6201E-09	-0.21846	hypo	sig	chr16_1137841
chr19	41886404	41886404	+	3.389E-10	2.6201E-09	-0.2357	hypo	sig	chr19_41886404
chr12	3170826	3170826	+	3.389E-10	2.6203E-09	-0.20476	hypo	sig	chr12_3170826
chr6	30646605	30646605	+	3.394E-10	2.6238E-09	0.204406	hyper	sig	chr6_30646605
chr11	1.23E+08	122981639	+	3.398E-10	2.6266E-09	0.21705	hyper	sig	chr11_122981639
chr12	1.32E+08	132174960	+	3.398E-10	2.6269E-09	-0.28001	hypo	sig	chr12_132174960
chr2	2.22E+08	222298551	+	3.405E-10	2.6319E-09	0.201482	hyper	sig	chr2_222298551
chr19	40219547	40219547	+	3.406E-10	2.6328E-09	-0.29739	hypo	sig	chr19_40219547
chr3	1.47E+08	147420529	+	3.406E-10	2.6331E-09	0.229506	hyper	sig	chr3_147420529
chr13	1.12E+08	111972543	+	3.408E-10	2.6346E-09	0.213083	hyper	sig	chr13_111972543
chr9	1.05E+08	104928492	+	3.408E-10	2.6346E-09	0.223585	hyper	sig	chr9_104928492
chr3	13932994	13932994	+	3.409E-10	2.6352E-09	0.221077	hyper	sig	chr3_13932994
chr19	40568018	40568018	+	3.411E-10	2.6367E-09	0.287521	hyper	sig	chr19_40568018
chr5	1.81E+08	181114714	+	3.412E-10	2.6369E-09	0.242674	hyper	sig	chr5_181114714
chr2	8693222	8693222	+	3.412E-10	2.637E-09	-0.21045	hypo	sig	chr2_8693222
chr20	21102172	21102172	+	3.419E-10	2.6424E-09	0.258394	hyper	sig	chr20_21102172
chr1	1.19E+08	118999654	+	3.421E-10	2.6436E-09	0.221315	hyper	sig	chr1_118999654
chr12	1.32E+08	131681843	+	3.421E-10	2.6441E-09	-0.20072	hypo	sig	chr12_131681843
chr3	1.26E+08	126267883	+	3.424E-10	2.6458E-09	0.24486	hyper	sig	chr3_126267883
chr16	88874666	88874666	+	3.428E-10	2.6487E-09	-0.26634	hypo	sig	chr16_88874666
chr1	10901135	10901135	+	3.429E-10	2.6499E-09	-0.26792	hypo	sig	chr1_10901135
chr3	1.8E+08	180324659	+	3.431E-10	2.651E-09	-0.23439	hypo	sig	chr3_180324659
chr9	1.26E+08	126235856	+	3.433E-10	2.6522E-09	-0.2007	hypo	sig	chr9_126235856
chr6	1.08E+08	108165246	+	3.433E-10	2.6524E-09	0.276257	hyper	sig	chr6_108165246
chr5	1.81E+08	180608756	+	3.433E-10	2.6525E-09	-0.20276	hypo	sig	chr5_180608756
chr10	1.31E+08	130744563	+	3.435E-10	2.6539E-09	-0.23756	hypo	sig	chr10_130744563
chr1	21591077	21591077	+	3.437E-10	2.6558E-09	-0.24526	hypo	sig	chr1_21591077
chr11	43577772	43577772	+	3.438E-10	2.6562E-09	0.223384	hyper	sig	chr11_43577772
chr17	1999728	1999728	+	3.439E-10	2.6567E-09	0.208441	hyper	sig	chr17_1999728
chr7	1.49E+08	149462268	+	3.447E-10	2.6626E-09	-0.20964	hypo	sig	chr7_149462268
chr3	1.7E+08	169666744	+	3.448E-10	2.6632E-09	0.22541	hyper	sig	chr3_169666744
chr2	2.22E+08	222297349	+	3.449E-10	2.6639E-09	0.218353	hyper	sig	chr2_222297349
chr1	1332431	1332431	+	3.451E-10	2.6655E-09	-0.2319	hypo	sig	chr1_1332431
chr1	47532997	47532997	+	3.455E-10	2.6683E-09	0.224378	hyper	sig	chr1_47532997
chr7	27147483	27147483	+	3.456E-10	2.6691E-09	0.203633	hyper	sig	chr7_27147483
chr9	1.3E+08	130181713	+	3.456E-10	2.6691E-09	-0.26822	hypo	sig	chr9_130181713
chr13	26012296	26012296	+	3.459E-10	2.6714E-09	0.275613	hyper	sig	chr13_26012296
chr2	2.37E+08	236507699	+	3.46E-10	2.6726E-09	0.262151	hyper	sig	chr2_236507699
chr1	1.55E+08	155071943	+	3.464E-10	2.6751E-09	0.251657	hyper	sig	chr1_155071943
chr3	1.27E+08	126518719	+	3.464E-10	2.6752E-09	-0.27674	hypo	sig	chr3_126518719
chr16	1958292	1958292	+	3.469E-10	2.6794E-09	0.217608	hyper	sig	chr16_1958292

chr4	37245957	37245957	+	3.471E-10	2.6802E-09	0.287515	hyper	sig	chr4_37245957
chr5	73380212	73380212	+	3.472E-10	2.6811E-09	-0.20063	hypo	sig	chr5_73380212
chr1	47225933	47225933	+	3.475E-10	2.6834E-09	0.234051	hyper	sig	chr1_47225933
chr5	77638552	77638552	+	3.482E-10	2.6889E-09	0.249107	hyper	sig	chr5_77638552
chr10	81873674	81873674	+	3.488E-10	2.6932E-09	0.226694	hyper	sig	chr10_81873674
chr11	27812509	27812509	+	3.491E-10	2.6958E-09	-0.20847	hypo	sig	chr11_27812509
chr8	1.34E+08	133767474	+	3.493E-10	2.6972E-09	0.251119	hyper	sig	chr8_133767474
chr4	61200182	61200182	+	3.494E-10	2.6976E-09	0.225132	hyper	sig	chr4_61200182
chr22	19738851	19738851	+	3.495E-10	2.6982E-09	-0.30232	hypo	sig	chr22_19738851
chr17	17766659	17766659	+	3.5E-10	2.7018E-09	0.213734	hyper	sig	chr17_17766659
chr7	27143012	27143012	+	3.5E-10	2.7018E-09	0.31558	hyper	sig	chr7_27143012
chr3	49910468	49910468	+	3.5E-10	2.7023E-09	0.223077	hyper	sig	chr3_49910468
chr16	89935107	89935107	+	3.506E-10	2.7063E-09	-0.21652	hypo	sig	chr16_89935107
chr17	39593589	39593589	+	3.506E-10	2.7068E-09	-0.24596	hypo	sig	chr17_39593589
chr13	28099541	28099541	+	3.507E-10	2.7072E-09	0.281322	hyper	sig	chr13_28099541
chr17	44210835	44210835	+	3.508E-10	2.7079E-09	0.234869	hyper	sig	chr17_44210835
chr10	75044063	75044063	+	3.511E-10	2.7104E-09	0.24637	hyper	sig	chr10_75044063
chr12	1.1E+08	109554976	+	3.524E-10	2.7197E-09	-0.21833	hypo	sig	chr12_109554976
chr12	1.23E+08	122716642	+	3.524E-10	2.7201E-09	-0.24625	hypo	sig	chr12_122716642
chr12	65278295	65278295	+	3.525E-10	2.7207E-09	0.240616	hyper	sig	chr12_65278295
chr10	1.32E+08	132200046	+	3.527E-10	2.7224E-09	-0.21153	hypo	sig	chr10_132200046
chr5	1.41E+08	141399825	+	3.528E-10	2.7226E-09	0.20823	hyper	sig	chr5_141399825
chr6	1.05E+08	104953079	+	3.529E-10	2.7235E-09	0.228837	hyper	sig	chr6_104953079
chr20	63480196	63480196	+	3.53E-10	2.7243E-09	-0.28253	hypo	sig	chr20_63480196
chr1	27871972	27871972	+	3.532E-10	2.7253E-09	-0.20237	hypo	sig	chr1_27871972
chr1	75132425	75132425	+	3.539E-10	2.7308E-09	0.246416	hyper	sig	chr1_75132425
chr17	39165688	39165688	+	3.54E-10	2.7317E-09	0.251482	hyper	sig	chr17_39165688
chr4	1.32E+08	132063135	+	3.54E-10	2.7319E-09	-0.2566	hypo	sig	chr4_132063135
chr19	2273238	2273238	+	3.541E-10	2.7325E-09	-0.20369	hypo	sig	chr19_2273238
chr11	18733222	18733222	+	3.542E-10	2.7331E-09	-0.20557	hypo	sig	chr11_18733222
chr1	1.2E+08	119853267	+	3.544E-10	2.7342E-09	0.218056	hyper	sig	chr1_119853267
chr8	1707516	1707516	+	3.544E-10	2.7348E-09	-0.28927	hypo	sig	chr8_1707516
chr5	1.41E+08	141365782	+	3.55E-10	2.7392E-09	0.21679	hyper	sig	chr5_141365782
chr5	77972529	77972529	+	3.551E-10	2.7394E-09	0.206142	hyper	sig	chr5_77972529
chr15	1.01E+08	101372238	+	3.552E-10	2.7406E-09	0.221049	hyper	sig	chr15_101372238
chr12	1.32E+08	132426853	+	3.555E-10	2.7425E-09	-0.22622	hypo	sig	chr12_132426853
chr19	53329058	53329058	+	3.558E-10	2.7446E-09	0.275872	hyper	sig	chr19_53329058
chr16	643234	643234	+	3.559E-10	2.7459E-09	-0.24877	hypo	sig	chr16_643234
chr16	22164644	22164644	+	3.563E-10	2.7483E-09	-0.23037	hypo	sig	chr16_22164644
chr13	1.14E+08	113978875	+	3.563E-10	2.7488E-09	-0.20102	hypo	sig	chr13_113978875
chr6	4173352	4173352	+	3.569E-10	2.7535E-09	-0.20479	hypo	sig	chr6_4173352
chr2	2.02E+08	202169919	+	3.571E-10	2.7546E-09	-0.21034	hypo	sig	chr2_202169919
chr22	22559482	22559482	+	3.571E-10	2.7546E-09	-0.23415	hypo	sig	chr22_22559482
chr15	47184097	47184097	+	3.572E-10	2.7556E-09	0.285236	hyper	sig	chr15_47184097
chr3	10329920	10329920	+	3.576E-10	2.758E-09	-0.2403	hypo	sig	chr3_10329920
chr8	30442581	30442581	+	3.577E-10	2.7591E-09	0.264386	hyper	sig	chr8_30442581
chr10	1516669	1516669	+	3.578E-10	2.7596E-09	-0.2264	hypo	sig	chr10_1516669
chr2	73291567	73291567	+	3.581E-10	2.7617E-09	0.20819	hyper	sig	chr2_73291567
chr21	36705742	36705742	+	3.582E-10	2.7628E-09	0.236676	hyper	sig	chr21_36705742
chr1	2.05E+08	205226884	+	3.583E-10	2.7632E-09	-0.20133	hypo	sig	chr1_205226884
chr12	1.1E+08	109554974	+	3.584E-10	2.7641E-09	-0.22977	hypo	sig	chr12_109554974
chr17	52160043	52160043	+	3.585E-10	2.7647E-09	0.234282	hyper	sig	chr17_52160043
chr12	95957017	95957017	+	3.587E-10	2.7663E-09	0.210361	hyper	sig	chr12_95957017
chr16	3184438	3184438	+	3.588E-10	2.7675E-09	0.220207	hyper	sig	chr16_3184438
chr19	16110909	16110909	+	3.59E-10	2.7683E-09	0.210769	hyper	sig	chr19_16110909
chr16	88110409	88110409	+	3.591E-10	2.7691E-09	0.232557	hyper	sig	chr16_88110409

chr22	20956362	20956362	+	3.591E-10	2.7697E-09	-0.26209	hypo	sig	chr22_20956362
chr22	44729338	44729338	+	3.592E-10	2.7699E-09	0.212832	hyper	sig	chr22_44729338
chr17	8397865	8397865	+	3.592E-10	2.77E-09	-0.21994	hypo	sig	chr17_8397865
chr12	1.29E+08	128853326	+	3.592E-10	2.77E-09	0.204978	hyper	sig	chr12_128853326
chr12	85273510	85273510	+	3.593E-10	2.7704E-09	0.226497	hyper	sig	chr12_85273510
chr15	98651918	98651918	+	3.596E-10	2.7727E-09	0.216863	hyper	sig	chr15_98651918
chr10	1.33E+08	132960367	+	3.597E-10	2.7739E-09	-0.21812	hypo	sig	chr10_132960367
chr5	1.79E+08	178577113	+	3.6E-10	2.776E-09	0.223917	hyper	sig	chr5_178577113
chr10	75094305	75094305	+	3.602E-10	2.777E-09	-0.25333	hypo	sig	chr10_75094305
chr22	29480927	29480927	+	3.602E-10	2.7777E-09	0.265564	hyper	sig	chr22_29480927
chr17	1098368	1098368	+	3.604E-10	2.7785E-09	-0.25955	hypo	sig	chr17_1098368
chr8	26039894	26039894	+	3.605E-10	2.7799E-09	0.238807	hyper	sig	chr8_26039894
chr7	1.58E+08	157693965	+	3.606E-10	2.7804E-09	0.300793	hyper	sig	chr7_157693965
chr5	1.35E+08	135029284	+	3.608E-10	2.782E-09	0.246979	hyper	sig	chr5_135029284
chr17	48749718	48749718	+	3.613E-10	2.7854E-09	0.257872	hyper	sig	chr17_48749718
chr1	2448392	2448392	+	3.619E-10	2.7901E-09	-0.24336	hypo	sig	chr1_2448392
chr1	38001024	38001024	+	3.619E-10	2.7902E-09	0.204422	hyper	sig	chr1_38001024
chr11	2211911	2211911	+	3.621E-10	2.7914E-09	-0.2795	hypo	sig	chr11_2211911
chr6	1.46E+08	146434426	+	3.621E-10	2.7916E-09	0.251399	hyper	sig	chr6_146434426
chr3	14540452	14540452	+	3.624E-10	2.7935E-09	0.238858	hyper	sig	chr3_14540452
chr11	65642373	65642373	+	3.627E-10	2.7962E-09	0.260373	hyper	sig	chr11_65642373
chr7	27143860	27143860	+	3.628E-10	2.7964E-09	0.262325	hyper	sig	chr7_27143860
chr1	27350811	27350811	+	3.629E-10	2.7971E-09	0.269656	hyper	sig	chr1_27350811
chr17	47424286	47424286	+	3.63E-10	2.7984E-09	0.241147	hyper	sig	chr17_47424286
chr3	37994274	37994274	+	3.631E-10	2.7991E-09	0.230959	hyper	sig	chr3_37994274
chr6	28977405	28977405	+	3.633E-10	2.8003E-09	0.230453	hyper	sig	chr6_28977405
chr6	32761866	32761866	+	3.633E-10	2.8004E-09	0.214038	hyper	sig	chr6_32761866
chr14	1.01E+08	100880999	+	3.636E-10	2.8028E-09	-0.20495	hypo	sig	chr14_100880999
chr19	17407893	17407893	+	3.64E-10	2.8051E-09	-0.216	hypo	sig	chr19_17407893
chr2	2.18E+08	218368815	+	3.64E-10	2.8056E-09	0.269568	hyper	sig	chr2_218368815
chr16	79589721	79589721	+	3.642E-10	2.8066E-09	0.218733	hyper	sig	chr16_79589721
chr17	22217342	22217342	+	3.642E-10	2.8066E-09	0.230082	hyper	sig	chr17_22217342
chr3	1.94E+08	194313209	+	3.642E-10	2.8069E-09	0.291903	hyper	sig	chr3_194313209
chr2	2.42E+08	241818307	+	3.646E-10	2.8099E-09	-0.22489	hypo	sig	chr2_241818307
chr1	47433239	47433239	+	3.646E-10	2.81E-09	0.249254	hyper	sig	chr1_47433239
chr9	1.11E+08	110579746	+	3.65E-10	2.8126E-09	0.205226	hyper	sig	chr9_110579746
chr17	78799179	78799179	+	3.65E-10	2.8126E-09	0.224292	hyper	sig	chr17_78799179
chr16	70173417	70173417	+	3.651E-10	2.8131E-09	-0.24328	hypo	sig	chr16_70173417
chr3	1.94E+08	194277191	+	3.651E-10	2.8131E-09	0.210989	hyper	sig	chr3_194277191
chr14	1.01E+08	100825707	+	3.655E-10	2.8166E-09	0.226601	hyper	sig	chr14_100825707
chr11	1.15E+08	115154276	+	3.657E-10	2.818E-09	-0.26068	hypo	sig	chr11_115154276
chr1	2.28E+08	228058960	+	3.658E-10	2.819E-09	0.220136	hyper	sig	chr1_228058960
chr17	79423286	79423286	+	3.661E-10	2.8208E-09	-0.21752	hypo	sig	chr17_79423286
chr9	1.19E+08	119369159	+	3.661E-10	2.8213E-09	0.305107	hyper	sig	chr9_119369159
chr17	18120666	18120666	+	3.663E-10	2.8222E-09	0.235527	hyper	sig	chr17_18120666
chr19	45804877	45804877	+	3.666E-10	2.8244E-09	-0.21851	hypo	sig	chr19_45804877
chr19	52536281	52536281	+	3.666E-10	2.8246E-09	0.228948	hyper	sig	chr19_52536281
chr19	55472559	55472559	+	3.668E-10	2.8263E-09	-0.23094	hypo	sig	chr19_55472559
chr20	63348167	63348167	+	3.669E-10	2.8271E-09	-0.20598	hypo	sig	chr20_63348167
chr16	56635205	56635205	+	3.673E-10	2.8297E-09	0.226739	hyper	sig	chr16_56635205
chr20	30895316	30895316	+	3.675E-10	2.8311E-09	0.204917	hyper	sig	chr20_30895316
chr8	1.42E+08	142453627	+	3.675E-10	2.8314E-09	0.202952	hyper	sig	chr8_142453627
chr18	60010258	60010258	+	3.677E-10	2.8326E-09	-0.22017	hypo	sig	chr18_60010258
chr15	22262605	22262605	+	3.679E-10	2.8341E-09	-0.30429	hypo	sig	chr15_22262605
chr16	56635807	56635807	+	3.682E-10	2.8365E-09	0.21823	hyper	sig	chr16_56635807
chr7	1.58E+08	158267234	+	3.683E-10	2.8371E-09	-0.22657	hypo	sig	chr7_158267234

chr5	14585516	14585516	+	3.684E-10	2.8381E-09	-0.21528	hypo	sig	chr5_14585516
chr8	60926867	60926867	+	3.686E-10	2.8393E-09	-0.21817	hypo	sig	chr8_60926867
chr19	5290478	5290478	+	3.687E-10	2.8402E-09	-0.2347	hypo	sig	chr19_5290478
chr11	46361501	46361501	+	3.687E-10	2.8403E-09	0.228495	hyper	sig	chr11_46361501
chr11	1.23E+08	122980050	+	3.688E-10	2.8411E-09	0.233919	hyper	sig	chr11_122980050
chr13	26051115	26051115	+	3.691E-10	2.8434E-09	0.217434	hyper	sig	chr13_26051115
chr12	1.14E+08	114400779	+	3.692E-10	2.8439E-09	0.212597	hyper	sig	chr12_114400779
chr1	1.55E+08	155207770	+	3.696E-10	2.8467E-09	0.26553	hyper	sig	chr1_155207770
chr6	27260488	27260488	+	3.697E-10	2.8472E-09	0.214825	hyper	sig	chr6_27260488
chr12	24902646	24902646	+	3.699E-10	2.8489E-09	0.251565	hyper	sig	chr12_24902646
chr1	3128322	3128322	+	3.699E-10	2.8494E-09	-0.24721	hypo	sig	chr1_3128322
chr5	1.77E+08	177474501	+	3.701E-10	2.8503E-09	0.210868	hyper	sig	chr5_177474501
chr17	15917771	15917771	+	3.701E-10	2.8504E-09	0.30388	hyper	sig	chr17_15917771
chr2	1.94E+08	194002917	+	3.707E-10	2.855E-09	-0.22383	hypo	sig	chr2_194002917
chr19	40365650	40365650	+	3.709E-10	2.8565E-09	0.238927	hyper	sig	chr19_40365650
chr15	89784009	89784009	+	3.715E-10	2.8607E-09	-0.21312	hypo	sig	chr15_89784009
chr15	77565653	77565653	+	3.718E-10	2.8633E-09	0.220966	hyper	sig	chr15_77565653
chr9	96877260	96877260	+	3.719E-10	2.8638E-09	0.301974	hyper	sig	chr9_96877260
chr16	643176	643176	+	3.722E-10	2.8659E-09	-0.21347	hypo	sig	chr16_643176
chr16	88958041	88958041	+	3.724E-10	2.8672E-09	-0.24669	hypo	sig	chr16_88958041
chr11	1303183	1303183	+	3.724E-10	2.8672E-09	0.201666	hyper	sig	chr11_1303183
chr9	1.36E+08	136100796	+	3.724E-10	2.8673E-09	-0.2136	hypo	sig	chr9_136100796
chr1	2.08E+08	207823763	+	3.724E-10	2.8674E-09	0.213439	hyper	sig	chr1_207823763
chr1	6968193	6968193	+	3.725E-10	2.8681E-09	-0.2067	hypo	sig	chr1_6968193
chr22	16601058	16601058	+	3.726E-10	2.8689E-09	0.245976	hyper	sig	chr22_16601058
chr17	79748135	79748135	+	3.726E-10	2.8691E-09	0.239519	hyper	sig	chr17_79748135
chr7	73607102	73607102	+	3.727E-10	2.8697E-09	0.231087	hyper	sig	chr7_73607102
chr16	35425688	35425688	+	3.728E-10	2.8698E-09	0.272991	hyper	sig	chr16_35425688
chr5	1.29E+08	129459843	+	3.73E-10	2.8714E-09	0.237543	hyper	sig	chr5_129459843
chr2	1.33E+08	132582198	+	3.742E-10	2.8803E-09	-0.21247	hypo	sig	chr2_132582198
chr11	2302074	2302074	+	3.743E-10	2.881E-09	-0.24621	hypo	sig	chr11_2302074
chr4	55157706	55157706	+	3.75E-10	2.8866E-09	0.214686	hyper	sig	chr4_55157706
chr17	4560716	4560716	+	3.75E-10	2.8867E-09	-0.20017	hypo	sig	chr17_4560716
chr15	79090742	79090742	+	3.751E-10	2.8873E-09	0.305227	hyper	sig	chr15_79090742
chr10	1.02E+08	102225903	+	3.751E-10	2.8874E-09	-0.21737	hypo	sig	chr10_102225903
chr1	1914917	1914917	+	3.752E-10	2.8877E-09	0.201998	hyper	sig	chr1_1914917
chr6	1.68E+08	168052625	+	3.753E-10	2.8886E-09	-0.25383	hypo	sig	chr6_168052625
chr1	1.48E+08	148354562	+	3.754E-10	2.8889E-09	0.258141	hyper	sig	chr1_148354562
chr2	1.31E+08	130835589	+	3.754E-10	2.8892E-09	-0.23132	hypo	sig	chr2_130835589
chr12	24902554	24902554	+	3.756E-10	2.8906E-09	0.2371	hyper	sig	chr12_24902554
chr1	3246698	3246698	+	3.756E-10	2.8909E-09	0.234242	hyper	sig	chr1_3246698
chr12	1.19E+08	118774570	+	3.757E-10	2.8915E-09	0.228849	hyper	sig	chr12_118774570
chr6	26743166	26743166	+	3.757E-10	2.8917E-09	0.247029	hyper	sig	chr6_26743166
chr5	676268	676268	+	3.758E-10	2.8919E-09	-0.26876	hypo	sig	chr5_676268
chr11	281659	281659	+	3.76E-10	2.8932E-09	0.235892	hyper	sig	chr11_281659
chr11	46718491	46718491	+	3.762E-10	2.8947E-09	-0.21341	hypo	sig	chr11_46718491
chr11	79439066	79439066	+	3.763E-10	2.8957E-09	0.24273	hyper	sig	chr11_79439066
chr1	47229257	47229257	+	3.764E-10	2.8962E-09	0.327566	hyper	sig	chr1_47229257
chr4	1.22E+08	121763788	+	3.764E-10	2.8963E-09	-0.20565	hypo	sig	chr4_121763788
chr19	35358569	35358569	+	3.767E-10	2.8983E-09	-0.21326	hypo	sig	chr19_35358569
chr1	94113840	94113840	+	3.771E-10	2.9012E-09	-0.20747	hypo	sig	chr1_94113840
chr11	46346262	46346262	+	3.781E-10	2.9091E-09	-0.24076	hypo	sig	chr11_46346262
chr8	1.44E+08	143733034	+	3.783E-10	2.9108E-09	-0.22931	hypo	sig	chr8_143733034
chr1	16535615	16535615	+	3.783E-10	2.9108E-09	0.211902	hyper	sig	chr1_16535615
chr9	1.19E+08	119369162	+	3.785E-10	2.9116E-09	0.304815	hyper	sig	chr9_119369162
chr15	25185794	25185794	+	3.789E-10	2.9149E-09	-0.22686	hypo	sig	chr15_25185794

chr11	1853209	1853209	+	3.792E-10	2.9174E-09	-0.20536	hypo	sig	chr11_1853209
chr1	23899154	23899154	+	3.801E-10	2.9235E-09	-0.26436	hypo	sig	chr1_23899154
chr1	2.03E+08	203308930	+	3.801E-10	2.9242E-09	0.225976	hyper	sig	chr1_203308930
chr19	15181787	15181787	+	3.803E-10	2.9255E-09	-0.24919	hypo	sig	chr19_15181787
chr20	45097879	45097879	+	3.806E-10	2.9278E-09	0.21395	hyper	sig	chr20_45097879
chr2	20106989	20106989	+	3.808E-10	2.9286E-09	0.21894	hyper	sig	chr2_20106989
chr5	1.41E+08	140876810	+	3.81E-10	2.9303E-09	0.23026	hyper	sig	chr5_140876810
chr17	49497953	49497953	+	3.813E-10	2.9325E-09	0.221448	hyper	sig	chr17_49497953
chr17	28405420	28405420	+	3.815E-10	2.9339E-09	0.249128	hyper	sig	chr17_28405420
chr16	89861163	89861163	+	3.816E-10	2.9348E-09	0.239912	hyper	sig	chr16_89861163
chr5	1.41E+08	141210373	+	3.817E-10	2.9356E-09	0.269307	hyper	sig	chr5_141210373
chr9	1.35E+08	134625492	+	3.817E-10	2.9356E-09	-0.2397	hypo	sig	chr9_134625492
chr1	1.81E+08	181483960	+	3.82E-10	2.938E-09	0.220302	hyper	sig	chr1_181483960
chr11	1.34E+08	134416853	+	3.821E-10	2.9386E-09	-0.25048	hypo	sig	chr11_134416853
chr19	12195076	12195076	+	3.822E-10	2.9394E-09	0.21347	hyper	sig	chr19_12195076
chr9	1.22E+08	122220675	+	3.822E-10	2.9395E-09	0.359849	hyper	sig	chr9_122220675
chr16	1533986	1533986	+	3.825E-10	2.9412E-09	0.209476	hyper	sig	chr16_1533986
chr20	25584806	25584806	+	3.828E-10	2.9438E-09	0.208643	hyper	sig	chr20_25584806
chr2	74003197	74003197	+	3.829E-10	2.9442E-09	0.390485	hyper	sig	chr2_74003197
chr1	99969449	99969449	+	3.829E-10	2.9444E-09	-0.23346	hypo	sig	chr1_99969449
chr1	2.21E+08	220896426	+	3.831E-10	2.9454E-09	0.236207	hyper	sig	chr1_220896426
chr7	97733274	97733274	+	3.831E-10	2.9454E-09	0.207774	hyper	sig	chr7_97733274
chr20	40683683	40683683	+	3.831E-10	2.9457E-09	0.22733	hyper	sig	chr20_40683683
chr16	89633257	89633257	+	3.832E-10	2.9466E-09	0.30308	hyper	sig	chr16_89633257
chr10	1.33E+08	132591840	+	3.834E-10	2.9477E-09	-0.24479	hypo	sig	chr10_132591840
chr14	1.04E+08	104368187	+	3.835E-10	2.9483E-09	-0.23504	hypo	sig	chr14_104368187
chr14	44912092	44912092	+	3.838E-10	2.9504E-09	0.234439	hyper	sig	chr14_44912092
chr10	590569	590569	+	3.839E-10	2.9514E-09	-0.2856	hypo	sig	chr10_590569
chr7	1.06E+08	105525145	+	3.84E-10	2.952E-09	-0.22806	hypo	sig	chr7_105525145
chr6	29558561	29558561	+	3.84E-10	2.9525E-09	-0.3425	hypo	sig	chr6_29558561
chr19	8529402	8529402	+	3.844E-10	2.9554E-09	-0.20651	hypo	sig	chr19_8529402
chr14	60328273	60328273	+	3.844E-10	2.9556E-09	-0.21296	hypo	sig	chr14_60328273
chr5	1.41E+08	140877206	+	3.846E-10	2.9565E-09	0.306531	hyper	sig	chr5_140877206
chr8	1.43E+08	143427198	+	3.848E-10	2.9585E-09	0.220605	hyper	sig	chr8_143427198
chr7	1.58E+08	157522480	+	3.849E-10	2.9588E-09	-0.26796	hypo	sig	chr7_157522480
chr1	20724091	20724091	+	3.851E-10	2.96E-09	-0.21747	hypo	sig	chr1_20724091
chr11	68807226	68807226	+	3.851E-10	2.9602E-09	0.202637	hyper	sig	chr11_68807226
chr3	72279669	72279669	+	3.852E-10	2.9611E-09	0.226818	hyper	sig	chr3_72279669
chr11	72673989	72673989	+	3.854E-10	2.9623E-09	0.242398	hyper	sig	chr11_72673989
chr22	50604379	50604379	+	3.859E-10	2.9659E-09	0.226932	hyper	sig	chr22_50604379
chr5	1.59E+08	159100852	+	3.859E-10	2.9663E-09	0.294978	hyper	sig	chr5_159100852
chr18	79470732	79470732	+	3.861E-10	2.9675E-09	0.248534	hyper	sig	chr18_79470732
chr1	1325967	1325967	+	3.868E-10	2.9729E-09	-0.20571	hypo	sig	chr1_1325967
chr16	88063389	88063389	+	3.869E-10	2.9736E-09	0.211336	hyper	sig	chr16_88063389
chr9	1.33E+08	133426473	+	3.87E-10	2.9742E-09	0.204115	hyper	sig	chr9_133426473
chr4	1404101	1404101	+	3.873E-10	2.9762E-09	0.220204	hyper	sig	chr4_1404101
chr12	1.31E+08	131044870	+	3.873E-10	2.9767E-09	-0.29271	hypo	sig	chr12_131044870
chr17	76888453	76888453	+	3.874E-10	2.9769E-09	-0.21782	hypo	sig	chr17_76888453
chr6	5995754	5995754	+	3.874E-10	2.977E-09	0.208664	hyper	sig	chr6_5995754
chr12	53966076	53966076	+	3.874E-10	2.9771E-09	0.226432	hyper	sig	chr12_53966076
chr19	45682119	45682119	+	3.878E-10	2.9806E-09	0.242403	hyper	sig	chr19_45682119
chr7	1.43E+08	143359248	+	3.88E-10	2.9814E-09	-0.22241	hypo	sig	chr7_143359248
chr17	7446983	7446983	+	3.881E-10	2.982E-09	0.261656	hyper	sig	chr17_7446983
chr6	31143311	31143311	+	3.882E-10	2.9829E-09	0.205604	hyper	sig	chr6_31143311
chr12	56021539	56021539	+	3.883E-10	2.9838E-09	0.289668	hyper	sig	chr12_56021539
chr6	27762667	27762667	+	3.885E-10	2.9853E-09	0.219265	hyper	sig	chr6_27762667

chr17	35448738	35448738	+	3.886E-10	2.9858E-09	0.200669	hyper	sig	chr17_35448738
chr10	45199560	45199560	+	3.886E-10	2.9858E-09	0.207665	hyper	sig	chr10_45199560
chr3	63913421	63913421	+	3.887E-10	2.9863E-09	0.200365	hyper	sig	chr3_63913421
chr17	47852251	47852251	+	3.891E-10	2.9893E-09	0.216718	hyper	sig	chr17_47852251
chr16	87603617	87603617	+	3.893E-10	2.9909E-09	0.264658	hyper	sig	chr16_87603617
chr19	49043618	49043618	+	3.893E-10	2.9914E-09	-0.21467	hypo	sig	chr19_49043618
chr19	35139153	35139153	+	3.895E-10	2.9923E-09	0.322516	hyper	sig	chr19_35139153
chr21	44352755	44352755	+	3.896E-10	2.993E-09	-0.23835	hypo	sig	chr21_44352755
chr6	28773559	28773559	+	3.898E-10	2.9945E-09	0.202976	hyper	sig	chr6_28773559
chr10	1.25E+08	125162714	+	3.898E-10	2.9947E-09	-0.20649	hypo	sig	chr10_125162714
chr2	22186356	22186356	+	3.901E-10	2.9968E-09	-0.22618	hypo	sig	chr2_22186356
chr10	6228496	6228496	+	3.901E-10	2.9968E-09	-0.27308	hypo	sig	chr10_6228496
chr7	1.04E+08	103989110	+	3.901E-10	2.9971E-09	0.232132	hyper	sig	chr7_103989110
chr15	61229871	61229871	+	3.902E-10	2.998E-09	0.214005	hyper	sig	chr15_61229871
chr19	49061613	49061613	+	3.902E-10	2.998E-09	-0.22978	hypo	sig	chr19_49061613
chr14	37622538	37622538	+	3.903E-10	2.9984E-09	0.236723	hyper	sig	chr14_37622538
chr7	1.55E+08	155071104	+	3.903E-10	2.9986E-09	0.212455	hyper	sig	chr7_155071104
chr17	81464391	81464391	+	3.905E-10	2.9999E-09	-0.29139	hypo	sig	chr17_81464391
chr15	96343657	96343657	+	3.908E-10	3.002E-09	-0.26484	hypo	sig	chr15_96343657
chr1	1958537	1958537	+	3.91E-10	3.0033E-09	-0.2676	hypo	sig	chr1_1958537
chr19	45815181	45815181	+	3.911E-10	3.0043E-09	0.223738	hyper	sig	chr19_45815181
chr10	99531350	99531350	+	3.916E-10	3.0082E-09	0.241148	hyper	sig	chr10_99531350
chr16	87127192	87127192	+	3.919E-10	3.0102E-09	0.322848	hyper	sig	chr16_87127192
chr5	3197610	3197610	+	3.924E-10	3.0141E-09	0.223689	hyper	sig	chr5_3197610
chr7	73377409	73377409	+	3.924E-10	3.0141E-09	0.241739	hyper	sig	chr7_73377409
chr1	11701729	11701729	+	3.928E-10	3.0172E-09	0.21688	hyper	sig	chr1_11701729
chr22	50601347	50601347	+	3.931E-10	3.0187E-09	0.311011	hyper	sig	chr22_50601347
chr3	6861556	6861556	+	3.931E-10	3.0192E-09	0.262322	hyper	sig	chr3_6861556
chr14	99118503	99118503	+	3.934E-10	3.0212E-09	0.251206	hyper	sig	chr14_99118503
chr14	1.02E+08	101963907	+	3.935E-10	3.0221E-09	0.210645	hyper	sig	chr14_101963907
chr1	1.15E+08	114855253	+	3.937E-10	3.0235E-09	0.240412	hyper	sig	chr1_114855253
chr1	16534780	16534780	+	3.938E-10	3.0242E-09	0.245352	hyper	sig	chr1_16534780
chr12	1.32E+08	132360258	+	3.939E-10	3.0247E-09	-0.22824	hypo	sig	chr12_132360258
chr12	53974529	53974529	+	3.94E-10	3.0253E-09	0.219257	hyper	sig	chr12_53974529
chr3	1.47E+08	147424552	+	3.944E-10	3.0285E-09	0.222826	hyper	sig	chr3_147424552
chr1	3391782	3391782	+	3.945E-10	3.0291E-09	0.281882	hyper	sig	chr1_3391782
chr4	1.86E+08	186104319	+	3.947E-10	3.031E-09	-0.25059	hypo	sig	chr4_186104319
chr4	3767898	3767898	+	3.949E-10	3.0318E-09	0.202426	hyper	sig	chr4_3767898
chr19	36604564	36604564	+	3.949E-10	3.0323E-09	0.232589	hyper	sig	chr19_36604564
chr7	1.08E+08	107843356	+	3.954E-10	3.0361E-09	-0.24662	hypo	sig	chr7_107843356
chr12	54222021	54222021	+	3.956E-10	3.0371E-09	-0.28103	hypo	sig	chr12_54222021
chr16	1038610	1038610	+	3.956E-10	3.0375E-09	-0.20686	hypo	sig	chr16_1038610
chr7	1.28E+08	128271380	+	3.961E-10	3.0407E-09	0.227203	hyper	sig	chr7_128271380
chr4	2320364	2320364	+	3.961E-10	3.0409E-09	-0.21628	hypo	sig	chr4_2320364
chr1	1.19E+08	118989697	+	3.961E-10	3.041E-09	0.20883	hyper	sig	chr1_118989697
chr16	31224423	31224423	+	3.963E-10	3.0421E-09	0.233447	hyper	sig	chr16_31224423
chr2	2.39E+08	239397046	+	3.963E-10	3.0426E-09	0.209667	hyper	sig	chr2_239397046
chr10	43690726	43690726	+	3.966E-10	3.0448E-09	0.225535	hyper	sig	chr10_43690726
chr6	1.37E+08	137491168	+	3.967E-10	3.0455E-09	-0.20567	hypo	sig	chr6_137491168
chr11	69654223	69654223	+	3.967E-10	3.0456E-09	-0.21702	hypo	sig	chr11_69654223
chr2	11618525	11618525	+	3.971E-10	3.0481E-09	-0.23132	hypo	sig	chr2_11618525
chr1	31581165	31581165	+	3.971E-10	3.0484E-09	0.279221	hyper	sig	chr1_31581165
chr17	77543875	77543875	+	3.975E-10	3.0509E-09	-0.26476	hypo	sig	chr17_77543875
chr1	2234083	2234083	+	3.983E-10	3.0568E-09	0.212292	hyper	sig	chr1_2234083
chr11	31799696	31799696	+	3.983E-10	3.057E-09	0.315039	hyper	sig	chr11_31799696
chr17	19748499	19748499	+	3.983E-10	3.0572E-09	-0.21945	hypo	sig	chr17_19748499

chr7	63349031	63349031	+	3.985E-10	3.0583E-09	-0.22921	hypo	sig	chr7_63349031
chr12	49342060	49342060	+	3.987E-10	3.0596E-09	0.267037	hyper	sig	chr12_49342060
chr2	1.92E+08	191881707	+	3.988E-10	3.0604E-09	-0.21301	hypo	sig	chr2_191881707
chr1	2291001	2291001	+	3.988E-10	3.0605E-09	0.207975	hyper	sig	chr1_2291001
chr9	23824147	23824147	+	3.989E-10	3.0612E-09	0.208565	hyper	sig	chr9_23824147
chr4	1058808	1058808	+	3.991E-10	3.0629E-09	-0.24581	hypo	sig	chr4_1058808
chr2	47572250	47572250	+	3.992E-10	3.0632E-09	0.24731	hyper	sig	chr2_47572250
chr17	16415100	16415100	+	3.996E-10	3.0665E-09	-0.22447	hypo	sig	chr17_16415100
chr7	1364220	1364220	+	3.999E-10	3.0686E-09	-0.2078	hypo	sig	chr7_1364220
chr6	32761653	32761653	+	3.999E-10	3.0688E-09	0.277524	hyper	sig	chr6_32761653
chr7	11832433	11832433	+	4E-10	3.0692E-09	0.202728	hyper	sig	chr7_11832433
chr5	1.8E+08	179519963	+	4.002E-10	3.0706E-09	-0.23975	hypo	sig	chr5_179519963
chr3	79502178	79502178	+	4.002E-10	3.0708E-09	-0.21918	hypo	sig	chr3_79502178
chr1	1.52E+08	151839068	+	4.008E-10	3.0754E-09	0.284212	hyper	sig	chr1_151839068
chr22	43223789	43223789	+	4.008E-10	3.0757E-09	-0.22402	hypo	sig	chr22_43223789
chr7	1.59E+08	159027787	+	4.012E-10	3.078E-09	-0.23607	hypo	sig	chr7_159027787
chr16	66579508	66579508	+	4.016E-10	3.0815E-09	0.22075	hyper	sig	chr16_66579508
chr11	69001477	69001477	+	4.018E-10	3.0826E-09	0.248775	hyper	sig	chr11_69001477
chr12	98439581	98439581	+	4.02E-10	3.0842E-09	-0.20075	hypo	sig	chr12_98439581
chr17	79922766	79922766	+	4.021E-10	3.0846E-09	-0.20241	hypo	sig	chr17_79922766
chr18	904825	904825	+	4.021E-10	3.0847E-09	0.296567	hyper	sig	chr18_904825
chr13	1.12E+08	112342175	+	4.023E-10	3.0864E-09	-0.25853	hypo	sig	chr13_112342175
chr8	22589604	22589604	+	4.028E-10	3.0899E-09	0.259947	hyper	sig	chr8_22589604
chr21	45391436	45391436	+	4.033E-10	3.0937E-09	-0.25504	hypo	sig	chr21_45391436
chr20	51546454	51546454	+	4.034E-10	3.0945E-09	-0.23627	hypo	sig	chr20_51546454
chr1	1460706	1460706	+	4.035E-10	3.0954E-09	-0.24748	hypo	sig	chr1_1460706
chr17	50781366	50781366	+	4.037E-10	3.0967E-09	0.20737	hyper	sig	chr17_50781366
chr6	1.68E+08	168377037	+	4.039E-10	3.0983E-09	-0.2105	hypo	sig	chr6_168377037
chr16	85400169	85400169	+	4.041E-10	3.0992E-09	-0.25261	hypo	sig	chr16_85400169
chr11	18119895	18119895	+	4.041E-10	3.0992E-09	-0.27914	hypo	sig	chr11_18119895
chr3	1.95E+08	194632703	+	4.041E-10	3.0996E-09	-0.20618	hypo	sig	chr3_194632703
chr13	36674879	36674879	+	4.043E-10	3.1008E-09	0.241819	hyper	sig	chr13_36674879
chr12	42482385	42482385	+	4.044E-10	3.1019E-09	0.230397	hyper	sig	chr12_42482385
chr16	34132757	34132757	+	4.046E-10	3.1032E-09	-0.24509	hypo	sig	chr16_34132757
chr2	86809817	86809817	+	4.048E-10	3.1042E-09	0.271196	hyper	sig	chr2_86809817
chr7	27251727	27251727	+	4.049E-10	3.1056E-09	0.271649	hyper	sig	chr7_27251727
chr3	1.28E+08	128493472	+	4.052E-10	3.1072E-09	0.221505	hyper	sig	chr3_128493472
chr2	2.39E+08	239275043	+	4.052E-10	3.1074E-09	-0.28689	hypo	sig	chr2_239275043
chr8	1.43E+08	142544606	+	4.052E-10	3.1076E-09	-0.2285	hypo	sig	chr8_142544606
chr9	1.34E+08	134440458	+	4.054E-10	3.109E-09	-0.20782	hypo	sig	chr9_134440458
chr5	1222602	1222602	+	4.055E-10	3.1099E-09	-0.21837	hypo	sig	chr5_1222602
chr10	99527357	99527357	+	4.056E-10	3.11E-09	0.240206	hyper	sig	chr10_99527357
chr4	1.83E+08	182806051	+	4.057E-10	3.1107E-09	-0.21663	hypo	sig	chr4_182806051
chr16	768460	768460	+	4.057E-10	3.1112E-09	-0.25449	hypo	sig	chr16_768460
chr1	27360327	27360327	+	4.057E-10	3.1113E-09	0.201543	hyper	sig	chr1_27360327
chr3	1.38E+08	138331249	+	4.06E-10	3.1132E-09	-0.24401	hypo	sig	chr3_138331249
chr7	1237454	1237454	+	4.062E-10	3.1149E-09	0.285744	hyper	sig	chr7_1237454
chr5	1.41E+08	140830337	+	4.062E-10	3.115E-09	0.233085	hyper	sig	chr5_140830337
chr9	1.37E+08	136976558	+	4.066E-10	3.1179E-09	-0.29285	hypo	sig	chr9_136976558
chr2	48617125	48617125	+	4.068E-10	3.1194E-09	-0.27047	hypo	sig	chr2_48617125
chr10	1.33E+08	133213324	+	4.072E-10	3.1219E-09	-0.2906	hypo	sig	chr10_133213324
chr1	2.28E+08	227940302	+	4.075E-10	3.1241E-09	-0.21837	hypo	sig	chr1_227940302
chr2	1.82E+08	181685150	+	4.075E-10	3.1245E-09	0.229262	hyper	sig	chr2_181685150
chr17	19978390	19978390	+	4.076E-10	3.1248E-09	0.250912	hyper	sig	chr17_19978390
chr6	1.17E+08	117265327	+	4.076E-10	3.1252E-09	0.224329	hyper	sig	chr6_117265327
chr5	1.41E+08	141183936	+	4.078E-10	3.1263E-09	0.278895	hyper	sig	chr5_141183936

chr3	1.96E+08	195851476	+	4.078E-10	3.1265E-09	-0.22191	hypo	sig	chr3_195851476
chr17	44758536	44758536	+	4.08E-10	3.1277E-09	0.254941	hyper	sig	chr17_44758536
chr20	62063582	62063582	+	4.083E-10	3.1301E-09	0.220686	hyper	sig	chr20_62063582
chr1	3030465	3030465	+	4.087E-10	3.1334E-09	-0.20173	hypo	sig	chr1_3030465
chr1	90723616	90723616	+	4.088E-10	3.1341E-09	0.242583	hyper	sig	chr1_90723616
chr12	34394597	34394597	+	4.09E-10	3.1351E-09	-0.26044	hypo	sig	chr12_34394597
chr18	32140126	32140126	+	4.09E-10	3.1352E-09	-0.20506	hypo	sig	chr18_32140126
chr8	1.42E+08	142454153	+	4.095E-10	3.1391E-09	-0.2016	hypo	sig	chr8_142454153
chr12	53218748	53218748	+	4.096E-10	3.1401E-09	0.243625	hyper	sig	chr12_53218748
chr1	3436442	3436442	+	4.097E-10	3.1403E-09	-0.23384	hypo	sig	chr1_3436442
chr7	1.51E+08	151390893	+	4.101E-10	3.1431E-09	-0.25175	hypo	sig	chr7_151390893
chr10	1.33E+08	133273958	+	4.101E-10	3.1436E-09	-0.28154	hypo	sig	chr10_133273958
chr7	8441760	8441760	+	4.102E-10	3.1441E-09	0.339379	hyper	sig	chr7_8441760
chr11	64939737	64939737	+	4.103E-10	3.1445E-09	-0.20682	hypo	sig	chr11_64939737
chr14	76138696	76138696	+	4.104E-10	3.1456E-09	0.284845	hyper	sig	chr14_76138696
chr22	43160116	43160116	+	4.107E-10	3.1477E-09	-0.21131	hypo	sig	chr22_43160116
chr17	49496194	49496194	+	4.108E-10	3.1484E-09	0.297053	hyper	sig	chr17_49496194
chr14	1.04E+08	103711216	+	4.11E-10	3.1499E-09	-0.20926	hypo	sig	chr14_103711216
chr5	3311267	3311267	+	4.12E-10	3.1569E-09	-0.20915	hypo	sig	chr5_3311267
chr6	5994530	5994530	+	4.12E-10	3.157E-09	0.202844	hyper	sig	chr6_5994530
chr5	1.8E+08	179793819	+	4.12E-10	3.1575E-09	0.22695	hyper	sig	chr5_179793819
chr13	20177558	20177558	+	4.123E-10	3.1593E-09	0.327381	hyper	sig	chr13_20177558
chr6	32058854	32058854	+	4.123E-10	3.1597E-09	-0.21471	hypo	sig	chr6_32058854
chr7	1.28E+08	127582570	+	4.134E-10	3.1677E-09	0.245428	hyper	sig	chr7_127582570
chr22	15854731	15854731	+	4.137E-10	3.1696E-09	-0.21821	hypo	sig	chr22_15854731
chr9	1.34E+08	134281499	+	4.148E-10	3.1777E-09	-0.25754	hypo	sig	chr9_134281499
chr12	55727705	55727705	+	4.149E-10	3.1786E-09	0.225835	hyper	sig	chr12_55727705
chr1	92481478	92481478	+	4.152E-10	3.181E-09	0.25667	hyper	sig	chr1_92481478
chr17	83006997	83006997	+	4.161E-10	3.1876E-09	0.2061	hyper	sig	chr17_83006997
chr12	47083347	47083347	+	4.162E-10	3.1885E-09	-0.28664	hypo	sig	chr12_47083347
chr16	795752	795752	+	4.165E-10	3.1902E-09	-0.26225	hypo	sig	chr16_795752
chr6	98844404	98844404	+	4.166E-10	3.191E-09	0.26359	hyper	sig	chr6_98844404
chr8	46233934	46233934	+	4.169E-10	3.1934E-09	-0.26221	hypo	sig	chr8_46233934
chr2	47569713	47569713	+	4.17E-10	3.1943E-09	0.213756	hyper	sig	chr2_47569713
chr16	49634423	49634423	+	4.171E-10	3.1948E-09	-0.24053	hypo	sig	chr16_49634423
chr7	27143862	27143862	+	4.176E-10	3.1984E-09	0.261705	hyper	sig	chr7_27143862
chr16	26032754	26032754	+	4.178E-10	3.2001E-09	-0.2961	hypo	sig	chr16_26032754
chr2	85134719	85134719	+	4.182E-10	3.2027E-09	0.204938	hyper	sig	chr2_85134719
chr8	22233560	22233560	+	4.184E-10	3.2043E-09	-0.25032	hypo	sig	chr8_22233560
chr1	1.57E+08	156893886	+	4.188E-10	3.2071E-09	0.221959	hyper	sig	chr1_156893886
chr18	79650062	79650062	+	4.188E-10	3.2075E-09	-0.24367	hypo	sig	chr18_79650062
chr19	42698149	42698149	+	4.191E-10	3.2095E-09	0.272247	hyper	sig	chr19_42698149
chr19	34481372	34481372	+	4.191E-10	3.2096E-09	0.218166	hyper	sig	chr19_34481372
chr9	93952904	93952904	+	4.192E-10	3.2099E-09	0.212072	hyper	sig	chr9_93952904
chr19	2252787	2252787	+	4.2E-10	3.2163E-09	0.222038	hyper	sig	chr19_2252787
chr17	1230412	1230412	+	4.201E-10	3.2168E-09	-0.20191	hypo	sig	chr17_1230412
chr5	1.77E+08	177492283	+	4.201E-10	3.2172E-09	0.214885	hyper	sig	chr5_177492283
chr1	44118825	44118825	+	4.203E-10	3.2184E-09	-0.20997	hypo	sig	chr1_44118825
chr14	93713538	93713538	+	4.204E-10	3.219E-09	-0.2005	hypo	sig	chr14_93713538
chr19	8526932	8526932	+	4.205E-10	3.2198E-09	0.206332	hyper	sig	chr19_8526932
chr1	1.21E+08	121118272	+	4.206E-10	3.2202E-09	0.22527	hyper	sig	chr1_121118272
chr20	60087403	60087403	+	4.209E-10	3.2223E-09	0.230092	hyper	sig	chr20_60087403
chr7	1.44E+08	143885516	+	4.213E-10	3.2255E-09	0.216984	hyper	sig	chr7_143885516
chr7	1.28E+08	127589198	+	4.217E-10	3.2286E-09	0.256587	hyper	sig	chr7_127589198
chr1	16535646	16535646	+	4.218E-10	3.2295E-09	0.213628	hyper	sig	chr1_16535646
chr17	47424288	47424288	+	4.219E-10	3.2299E-09	0.239092	hyper	sig	chr17_47424288

chr5	1174359	1174359	+	4.227E-10	3.2356E-09	-0.23088	hypo	sig	chr5_1174359
chr15	64840906	64840906	+	4.233E-10	3.2402E-09	0.217774	hyper	sig	chr15_64840906
chr8	11704246	11704246	+	4.236E-10	3.2428E-09	0.255222	hyper	sig	chr8_11704246
chr7	1.57E+08	157002698	+	4.239E-10	3.2446E-09	0.269262	hyper	sig	chr7_157002698
chr5	1.41E+08	141431509	+	4.239E-10	3.245E-09	0.247556	hyper	sig	chr5_141431509
chr6	1625367	1625367	+	4.247E-10	3.2504E-09	0.226654	hyper	sig	chr6_1625367
chr4	1.9E+08	189553323	+	4.249E-10	3.2522E-09	-0.20662	hypo	sig	chr4_189553323
chr7	55078061	55078061	+	4.25E-10	3.2525E-09	-0.27145	hypo	sig	chr7_55078061
chr7	8443923	8443923	+	4.25E-10	3.2531E-09	0.334069	hyper	sig	chr7_8443923
chr2	1.61E+08	161427291	+	4.254E-10	3.2554E-09	0.216459	hyper	sig	chr2_161427291
chr8	41665230	41665230	+	4.26E-10	3.2604E-09	-0.20901	hypo	sig	chr8_41665230
chr15	58864924	58864924	+	4.263E-10	3.2619E-09	0.264813	hyper	sig	chr15_58864924
chr10	1.3E+08	129899003	+	4.265E-10	3.2639E-09	0.208599	hyper	sig	chr10_129899003
chr5	1.27E+08	126869325	+	4.266E-10	3.2644E-09	0.228066	hyper	sig	chr5_126869325
chr12	52233639	52233639	+	4.27E-10	3.2672E-09	0.238396	hyper	sig	chr12_52233639
chr3	44580921	44580921	+	4.271E-10	3.268E-09	0.236224	hyper	sig	chr3_44580921
chr14	89701141	89701141	+	4.275E-10	3.2707E-09	-0.20326	hypo	sig	chr14_89701141
chr15	1.01E+08	100544304	+	4.276E-10	3.2717E-09	0.226307	hyper	sig	chr15_100544304
chr17	48753944	48753944	+	4.278E-10	3.2734E-09	0.227637	hyper	sig	chr17_48753944
chr16	85112472	85112472	+	4.281E-10	3.2756E-09	-0.22096	hypo	sig	chr16_85112472
chr1	1.52E+08	151826286	+	4.285E-10	3.2785E-09	0.224791	hyper	sig	chr1_151826286
chr17	49965472	49965472	+	4.287E-10	3.2798E-09	0.210296	hyper	sig	chr17_49965472
chr1	2.25E+08	224617878	+	4.289E-10	3.2808E-09	0.27442	hyper	sig	chr1_224617878
chr15	74136730	74136730	+	4.289E-10	3.2808E-09	0.205755	hyper	sig	chr15_74136730
chr2	1.76E+08	176189508	+	4.29E-10	3.2815E-09	0.247475	hyper	sig	chr2_176189508
chr20	64059822	64059822	+	4.29E-10	3.2815E-09	-0.21536	hypo	sig	chr20_64059822
chr19	35138494	35138494	+	4.293E-10	3.2838E-09	0.220453	hyper	sig	chr19_35138494
chr19	52536407	52536407	+	4.294E-10	3.2842E-09	0.277538	hyper	sig	chr19_52536407
chr1	9326742	9326742	+	4.295E-10	3.2853E-09	0.259595	hyper	sig	chr1_9326742
chr2	2189943	2189943	+	4.296E-10	3.2863E-09	-0.21737	hypo	sig	chr2_2189943
chr7	1.5E+08	149765677	+	4.296E-10	3.2864E-09	0.296325	hyper	sig	chr7_149765677
chr1	1.97E+08	196609328	+	4.297E-10	3.2866E-09	0.279613	hyper	sig	chr1_196609328
chr17	1575633	1575633	+	4.3E-10	3.2889E-09	-0.20065	hypo	sig	chr17_1575633
chr14	69850153	69850153	+	4.301E-10	3.2894E-09	-0.25232	hypo	sig	chr14_69850153
chr6	29975624	29975624	+	4.305E-10	3.2925E-09	0.210022	hyper	sig	chr6_29975624
chr15	40291076	40291076	+	4.307E-10	3.294E-09	0.217108	hyper	sig	chr15_40291076
chr21	43721033	43721033	+	4.307E-10	3.2941E-09	-0.22686	hypo	sig	chr21_43721033
chr20	56003792	56003792	+	4.309E-10	3.2954E-09	0.273426	hyper	sig	chr20_56003792
chr12	53936599	53936599	+	4.315E-10	3.2996E-09	0.256053	hyper	sig	chr12_53936599
chr16	1122243	1122243	+	4.315E-10	3.2996E-09	-0.23675	hypo	sig	chr16_1122243
chr19	7924857	7924857	+	4.315E-10	3.2997E-09	0.266621	hyper	sig	chr19_7924857
chr7	65764635	65764635	+	4.316E-10	3.3004E-09	0.216662	hyper	sig	chr7_65764635
chr11	8262930	8262930	+	4.317E-10	3.3009E-09	0.210736	hyper	sig	chr11_8262930
chr18	47749056	47749056	+	4.318E-10	3.3021E-09	0.228592	hyper	sig	chr18_47749056
chr2	27077329	27077329	+	4.318E-10	3.3022E-09	-0.22099	hypo	sig	chr2_27077329
chr1	2.21E+08	220877442	+	4.321E-10	3.304E-09	0.244605	hyper	sig	chr1_220877442
chr17	82593929	82593929	+	4.327E-10	3.3083E-09	0.206136	hyper	sig	chr17_82593929
chr16	89861150	89861150	+	4.33E-10	3.3104E-09	0.252	hyper	sig	chr16_89861150
chr1	91542330	91542330	+	4.33E-10	3.3106E-09	-0.22274	hypo	sig	chr1_91542330
chr19	35115828	35115828	+	4.331E-10	3.3117E-09	-0.2395	hypo	sig	chr19_35115828
chr10	71965240	71965240	+	4.334E-10	3.3138E-09	0.213706	hyper	sig	chr10_71965240
chr19	4605049	4605049	+	4.338E-10	3.3162E-09	-0.20521	hypo	sig	chr19_4605049
chr9	1.37E+08	137143356	+	4.344E-10	3.3211E-09	-0.23537	hypo	sig	chr9_137143356
chr8	1.45E+08	144583068	+	4.349E-10	3.3244E-09	-0.25342	hypo	sig	chr8_144583068
chr12	65278302	65278302	+	4.349E-10	3.3246E-09	0.232985	hyper	sig	chr12_65278302
chr2	64770889	64770889	+	4.361E-10	3.3333E-09	0.258131	hyper	sig	chr2_64770889

chr4	1.04E+08	103719876	+	4.362E-10	3.3344E-09	0.22288	hyper	sig	chr4_103719876
chr8	54454216	54454216	+	4.362E-10	3.3345E-09	0.265645	hyper	sig	chr8_54454216
chr12	3456967	3456967	+	4.364E-10	3.3356E-09	0.21441	hyper	sig	chr12_3456967
chr11	10451491	10451491	+	4.368E-10	3.339E-09	-0.23545	hypo	sig	chr11_10451491
chr7	5238662	5238662	+	4.371E-10	3.3409E-09	-0.20334	hypo	sig	chr7_5238662
chr4	84496059	84496059	+	4.373E-10	3.3427E-09	0.201373	hyper	sig	chr4_84496059
chr1	50048052	50048052	+	4.375E-10	3.3438E-09	0.263168	hyper	sig	chr1_50048052
chr9	1.35E+08	135175007	+	4.38E-10	3.3475E-09	-0.27264	hypo	sig	chr9_135175007
chr7	1321541	1321541	+	4.385E-10	3.3513E-09	0.210688	hyper	sig	chr7_1321541
chr7	997743	997743	+	4.386E-10	3.3518E-09	0.23979	hyper	sig	chr7_997743
chr12	1.2E+08	120361922	+	4.387E-10	3.3524E-09	0.212466	hyper	sig	chr12_120361922
chr5	1.41E+08	140877239	+	4.391E-10	3.3553E-09	0.293579	hyper	sig	chr5_140877239
chr1	2908624	2908624	+	4.393E-10	3.3566E-09	-0.21305	hypo	sig	chr1_2908624
chr7	529948	529948	+	4.394E-10	3.3576E-09	-0.20448	hypo	sig	chr7_529948
chr2	2.4E+08	239829466	+	4.395E-10	3.3579E-09	-0.22663	hypo	sig	chr2_239829466
chr14	37622773	37622773	+	4.397E-10	3.3597E-09	0.265332	hyper	sig	chr14_37622773
chr1	2.04E+08	204377498	+	4.398E-10	3.3603E-09	-0.3132	hypo	sig	chr1_204377498
chr17	47867140	47867140	+	4.398E-10	3.3604E-09	0.231675	hyper	sig	chr17_47867140
chr10	43573861	43573861	+	4.398E-10	3.3607E-09	0.205047	hyper	sig	chr10_43573861
chr10	79243929	79243929	+	4.405E-10	3.3653E-09	0.210836	hyper	sig	chr10_79243929
chr11	1.17E+08	116835572	+	4.406E-10	3.3666E-09	0.225654	hyper	sig	chr11_116835572
chr6	27423160	27423160	+	4.413E-10	3.3712E-09	0.237958	hyper	sig	chr6_27423160
chr11	66316258	66316258	+	4.414E-10	3.3719E-09	0.218111	hyper	sig	chr11_66316258
chr2	1.19E+08	118994487	+	4.417E-10	3.3741E-09	-0.21738	hypo	sig	chr2_118994487
chr12	1.32E+08	132394151	+	4.418E-10	3.375E-09	-0.21559	hypo	sig	chr12_132394151
chr2	3321994	3321994	+	4.42E-10	3.3768E-09	0.225571	hyper	sig	chr2_3321994
chr10	26217557	26217557	+	4.424E-10	3.3796E-09	0.288408	hyper	sig	chr10_26217557
chr11	2155788	2155788	+	4.425E-10	3.3804E-09	-0.275	hypo	sig	chr11_2155788
chr19	58043164	58043164	+	4.427E-10	3.3817E-09	0.205181	hyper	sig	chr19_58043164
chr10	72009282	72009282	+	4.432E-10	3.3851E-09	0.327522	hyper	sig	chr10_72009282
chr19	7682355	7682355	+	4.435E-10	3.3873E-09	0.284269	hyper	sig	chr19_7682355
chr19	837420	837420	+	4.435E-10	3.3876E-09	-0.21463	hypo	sig	chr19_837420
chr6	1.68E+08	168079054	+	4.436E-10	3.3877E-09	-0.26465	hypo	sig	chr6_168079054
chr2	1.58E+08	157597555	+	4.437E-10	3.3889E-09	0.208613	hyper	sig	chr2_157597555
chr19	803001	803001	+	4.438E-10	3.3893E-09	0.276474	hyper	sig	chr19_803001
chr17	35515162	35515162	+	4.44E-10	3.3906E-09	0.210235	hyper	sig	chr17_35515162
chr17	65536782	65536782	+	4.442E-10	3.3927E-09	-0.20244	hypo	sig	chr17_65536782
chr6	32397336	32397336	+	4.444E-10	3.3935E-09	-0.21413	hypo	sig	chr6_32397336
chr14	44912088	44912088	+	4.444E-10	3.394E-09	0.219324	hyper	sig	chr14_44912088
chr19	1468516	1468516	+	4.449E-10	3.3976E-09	0.213731	hyper	sig	chr19_1468516
chr17	78498904	78498904	+	4.452E-10	3.3999E-09	-0.24964	hypo	sig	chr17_78498904
chr5	1.41E+08	141210394	+	4.453E-10	3.4003E-09	0.29178	hyper	sig	chr5_141210394
chr5	758976	758976	+	4.457E-10	3.4036E-09	-0.21312	hypo	sig	chr5_758976
chr19	1009241	1009241	+	4.459E-10	3.4046E-09	0.286315	hyper	sig	chr19_1009241
chr10	1.24E+08	123668317	+	4.465E-10	3.4091E-09	-0.2215	hypo	sig	chr10_123668317
chr1	1.15E+08	115338314	+	4.469E-10	3.4122E-09	0.206073	hyper	sig	chr1_115338314
chr19	54983342	54983342	+	4.469E-10	3.4125E-09	-0.21517	hypo	sig	chr19_54983342
chr1	28590183	28590183	+	4.47E-10	3.4131E-09	-0.2336	hypo	sig	chr1_28590183
chr19	18208342	18208342	+	4.473E-10	3.4153E-09	0.236897	hyper	sig	chr19_18208342
chr1	11654212	11654212	+	4.48E-10	3.4201E-09	0.221235	hyper	sig	chr1_11654212
chr13	1.12E+08	111548228	+	4.48E-10	3.4204E-09	-0.30975	hypo	sig	chr13_111548228
chr7	5297198	5297198	+	4.481E-10	3.4211E-09	-0.31864	hypo	sig	chr7_5297198
chr14	75470025	75470025	+	4.484E-10	3.4229E-09	0.223871	hyper	sig	chr14_75470025
chr18	78985056	78985056	+	4.486E-10	3.4246E-09	0.206649	hyper	sig	chr18_78985056
chr12	1.3E+08	130447367	+	4.494E-10	3.4305E-09	-0.23667	hypo	sig	chr12_130447367
chr5	1.4E+08	139710528	+	4.5E-10	3.4351E-09	-0.2181	hypo	sig	chr5_139710528

chr7	1E+08	100099979	+	4.501E-10	3.4355E-09	0.251679	hyper	sig	chr7_100099979
chr8	1.03E+08	102535917	+	4.501E-10	3.4355E-09	0.209253	hyper	sig	chr8_102535917
chr20	63406333	63406333	+	4.502E-10	3.4366E-09	-0.26639	hypo	sig	chr20_63406333
chr17	48553345	48553345	+	4.503E-10	3.4371E-09	0.23508	hyper	sig	chr17_48553345
chr16	57620484	57620484	+	4.505E-10	3.4383E-09	-0.21414	hypo	sig	chr16_57620484
chr17	81475128	81475128	+	4.508E-10	3.4408E-09	-0.23066	hypo	sig	chr17_81475128
chr8	1366446	1366446	+	4.511E-10	3.4429E-09	-0.23748	hypo	sig	chr8_1366446
chr11	19350198	19350198	+	4.515E-10	3.4456E-09	-0.20292	hypo	sig	chr11_19350198
chr10	1.33E+08	132880987	+	4.515E-10	3.4457E-09	-0.20596	hypo	sig	chr10_132880987
chr11	1.19E+08	118689215	+	4.515E-10	3.4457E-09	0.201628	hyper	sig	chr11_118689215
chr17	49035715	49035715	+	4.517E-10	3.4474E-09	-0.21653	hypo	sig	chr17_49035715
chr17	82321112	82321112	+	4.52E-10	3.4492E-09	-0.25935	hypo	sig	chr17_82321112
chr7	1E+08	100381969	+	4.521E-10	3.4501E-09	0.202079	hyper	sig	chr7_100381969
chr12	7439913	7439913	+	4.522E-10	3.4504E-09	0.200889	hyper	sig	chr12_7439913
chr11	1461304	1461304	+	4.526E-10	3.4536E-09	0.266171	hyper	sig	chr11_1461304
chr8	1.42E+08	141974670	+	4.532E-10	3.4584E-09	-0.22723	hypo	sig	chr8_141974670
chr18	31042331	31042331	+	4.533E-10	3.4586E-09	0.239056	hyper	sig	chr18_31042331
chr13	27919232	27919232	+	4.534E-10	3.4592E-09	0.255176	hyper	sig	chr13_27919232
chr8	1.43E+08	142585839	+	4.54E-10	3.4641E-09	-0.25813	hypo	sig	chr8_142585839
chr18	57428332	57428332	+	4.542E-10	3.465E-09	0.269572	hyper	sig	chr18_57428332
chr17	44248366	44248366	+	4.542E-10	3.4653E-09	-0.24335	hypo	sig	chr17_44248366
chr2	66444486	66444486	+	4.543E-10	3.4662E-09	0.217776	hyper	sig	chr2_66444486
chr20	63775428	63775428	+	4.544E-10	3.467E-09	0.278928	hyper	sig	chr20_63775428
chr12	50033097	50033097	+	4.545E-10	3.4676E-09	0.254921	hyper	sig	chr12_50033097
chr2	66444661	66444661	+	4.547E-10	3.4692E-09	0.257587	hyper	sig	chr2_66444661
chr1	69570188	69570188	+	4.549E-10	3.4707E-09	0.237585	hyper	sig	chr1_69570188
chr19	55118892	55118892	+	4.552E-10	3.4723E-09	0.278644	hyper	sig	chr19_55118892
chr8	37898086	37898086	+	4.553E-10	3.4732E-09	-0.26353	hypo	sig	chr8_37898086
chr4	9531807	9531807	+	4.553E-10	3.4732E-09	-0.25671	hypo	sig	chr4_9531807
chr5	1.78E+08	178372226	+	4.556E-10	3.4751E-09	0.207337	hyper	sig	chr5_178372226
chr19	37790711	37790711	+	4.556E-10	3.4752E-09	0.283593	hyper	sig	chr19_37790711
chr6	1.32E+08	132402908	+	4.558E-10	3.4771E-09	-0.21239	hypo	sig	chr6_132402908
chr8	926199	926199	+	4.559E-10	3.4773E-09	-0.24892	hypo	sig	chr8_926199
chr11	72241125	72241125	+	4.56E-10	3.4786E-09	0.220181	hyper	sig	chr11_72241125
chr12	53936515	53936515	+	4.561E-10	3.4791E-09	0.252761	hyper	sig	chr12_53936515
chr11	75428454	75428454	+	4.562E-10	3.48E-09	0.213167	hyper	sig	chr11_75428454
chr22	39456811	39456811	+	4.563E-10	3.4805E-09	0.264546	hyper	sig	chr22_39456811
chr10	79159474	79159474	+	4.565E-10	3.482E-09	0.213878	hyper	sig	chr10_79159474
chr16	87132825	87132825	+	4.567E-10	3.4837E-09	-0.23683	hypo	sig	chr16_87132825
chr19	480265	480265	+	4.57E-10	3.4857E-09	0.22366	hyper	sig	chr19_480265
chr12	1.21E+08	121240687	+	4.571E-10	3.486E-09	0.255408	hyper	sig	chr12_121240687
chr7	1810686	1810686	+	4.573E-10	3.4879E-09	0.209918	hyper	sig	chr7_1810686
chr14	69850174	69850174	+	4.576E-10	3.4899E-09	-0.24218	hypo	sig	chr14_69850174
chr7	1745028	1745028	+	4.576E-10	3.4901E-09	-0.21287	hypo	sig	chr7_1745028
chr16	57185079	57185079	+	4.576E-10	3.4901E-09	-0.20522	hypo	sig	chr16_57185079
chr16	87132775	87132775	+	4.576E-10	3.4901E-09	-0.25488	hypo	sig	chr16_87132775
chr15	75178479	75178479	+	4.577E-10	3.4903E-09	0.209675	hyper	sig	chr15_75178479
chr19	2123948	2123948	+	4.579E-10	3.4924E-09	0.250534	hyper	sig	chr19_2123948
chr19	56477024	56477024	+	4.584E-10	3.4954E-09	0.230309	hyper	sig	chr19_56477024
chr1	63329695	63329695	+	4.584E-10	3.4958E-09	0.227293	hyper	sig	chr1_63329695
chr5	1.78E+08	178363632	+	4.587E-10	3.4977E-09	-0.25938	hypo	sig	chr5_178363632
chr3	72655175	72655175	+	4.588E-10	3.4987E-09	0.204701	hyper	sig	chr3_72655175
chr17	81453220	81453220	+	4.589E-10	3.4992E-09	-0.20553	hypo	sig	chr17_81453220
chr9	1.28E+08	127762605	+	4.593E-10	3.5017E-09	-0.25987	hypo	sig	chr9_127762605
chr7	1461629	1461629	+	4.594E-10	3.5025E-09	-0.26399	hypo	sig	chr7_1461629
chr5	1406328	1406328	+	4.601E-10	3.5075E-09	-0.29456	hypo	sig	chr5_1406328

chr6	50846146	50846146	+	4.601E-10	3.5076E-09	0.230045	hyper	sig	chr6_50846146
chr16	6022011	6022011	+	4.601E-10	3.5079E-09	-0.21273	hypo	sig	chr16_6022011
chr1	63319193	63319193	+	4.601E-10	3.508E-09	0.245941	hyper	sig	chr1_63319193
chr2	25276900	25276900	+	4.602E-10	3.5088E-09	0.249088	hyper	sig	chr2_25276900
chr7	1.55E+08	155071426	+	4.61E-10	3.5146E-09	0.220198	hyper	sig	chr7_155071426
chr20	673917	673917	+	4.612E-10	3.5158E-09	-0.27525	hypo	sig	chr20_673917
chr7	54697846	54697846	+	4.615E-10	3.5179E-09	0.244785	hyper	sig	chr7_54697846
chr7	32070321	32070321	+	4.617E-10	3.5192E-09	0.237842	hyper	sig	chr7_32070321
chr17	4901145	4901145	+	4.622E-10	3.5227E-09	0.266636	hyper	sig	chr17_4901145
chr19	53993162	53993162	+	4.624E-10	3.5247E-09	0.215714	hyper	sig	chr19_53993162
chr7	1.06E+08	105962315	+	4.626E-10	3.5256E-09	-0.22289	hypo	sig	chr7_105962315
chr20	44116365	44116365	+	4.627E-10	3.5268E-09	0.255783	hyper	sig	chr20_44116365
chr19	2511182	2511182	+	4.628E-10	3.5269E-09	-0.25071	hypo	sig	chr19_2511182
chr4	3263983	3263983	+	4.631E-10	3.5294E-09	-0.2515	hypo	sig	chr4_3263983
chr6	31728441	31728441	+	4.633E-10	3.531E-09	0.260883	hyper	sig	chr6_31728441
chr19	11674439	11674439	+	4.637E-10	3.534E-09	0.223208	hyper	sig	chr19_11674439
chr10	1.32E+08	132330072	+	4.639E-10	3.5351E-09	-0.20502	hypo	sig	chr10_132330072
chr10	99534800	99534800	+	4.64E-10	3.5363E-09	0.253531	hyper	sig	chr10_99534800
chr5	32712878	32712878	+	4.645E-10	3.5397E-09	0.261187	hyper	sig	chr5_32712878
chr16	1197283	1197283	+	4.645E-10	3.5397E-09	-0.23808	hypo	sig	chr16_1197283
chr16	760643	760643	+	4.648E-10	3.542E-09	-0.2862	hypo	sig	chr16_760643
chr11	1.25E+08	124618897	+	4.651E-10	3.5437E-09	-0.22968	hypo	sig	chr11_124618897
chr9	88706417	88706417	+	4.651E-10	3.5437E-09	-0.20568	hypo	sig	chr9_88706417
chr2	66581097	66581097	+	4.655E-10	3.5466E-09	0.216624	hyper	sig	chr2_66581097
chr14	64541315	64541315	+	4.665E-10	3.5539E-09	0.219159	hyper	sig	chr14_64541315
chr8	55454500	55454500	+	4.665E-10	3.5539E-09	-0.20251	hypo	sig	chr8_55454500
chr16	14990102	14990102	+	4.668E-10	3.5565E-09	0.20678	hyper	sig	chr16_14990102
chr6	30983600	30983600	+	4.668E-10	3.5565E-09	-0.2082	hypo	sig	chr6_30983600
chr1	9654285	9654285	+	4.668E-10	3.5566E-09	-0.22066	hypo	sig	chr1_9654285
chr5	2096808	2096808	+	4.671E-10	3.5583E-09	-0.25801	hypo	sig	chr5_2096808
chr12	1.24E+08	124427539	+	4.673E-10	3.5602E-09	0.219024	hyper	sig	chr12_124427539
chr7	1.22E+08	122316448	+	4.674E-10	3.5608E-09	0.207847	hyper	sig	chr7_122316448
chr16	3013708	3013708	+	4.677E-10	3.5625E-09	0.211836	hyper	sig	chr16_3013708
chr12	1.07E+08	106585875	+	4.679E-10	3.5646E-09	0.217347	hyper	sig	chr12_106585875
chr16	85832838	85832838	+	4.679E-10	3.5647E-09	-0.29566	hypo	sig	chr16_85832838
chr7	1604153	1604153	+	4.681E-10	3.566E-09	-0.20029	hypo	sig	chr7_1604153
chr11	3218651	3218651	+	4.682E-10	3.5663E-09	-0.2454	hypo	sig	chr11_3218651
chr2	2.27E+08	227320584	+	4.686E-10	3.5691E-09	-0.26498	hypo	sig	chr2_227320584
chr16	3192895	3192895	+	4.688E-10	3.5707E-09	0.24633	hyper	sig	chr16_3192895
chr6	1.7E+08	169849516	+	4.689E-10	3.5716E-09	-0.22335	hypo	sig	chr6_169849516
chr19	1450377	1450377	+	4.69E-10	3.5722E-09	0.248277	hyper	sig	chr19_1450377
chr12	52233654	52233654	+	4.692E-10	3.5741E-09	0.245421	hyper	sig	chr12_52233654
chr1	54951082	54951082	+	4.694E-10	3.5752E-09	-0.20955	hypo	sig	chr1_54951082
chr4	1561219	1561219	+	4.695E-10	3.5761E-09	-0.20555	hypo	sig	chr4_1561219
chr4	54109990	54109990	+	4.698E-10	3.5781E-09	0.20021	hyper	sig	chr4_54109990
chr22	43410034	43410034	+	4.703E-10	3.5817E-09	-0.22006	hypo	sig	chr22_43410034
chr1	2434381	2434381	+	4.705E-10	3.5836E-09	-0.20979	hypo	sig	chr1_2434381
chr7	1.2E+08	120272542	+	4.708E-10	3.5857E-09	0.204812	hyper	sig	chr7_120272542
chr2	55923902	55923902	+	4.714E-10	3.5898E-09	0.220415	hyper	sig	chr2_55923902
chr17	7336255	7336255	+	4.717E-10	3.5916E-09	-0.21352	hypo	sig	chr17_7336255
chr20	44356349	44356349	+	4.718E-10	3.5928E-09	-0.31782	hypo	sig	chr20_44356349
chr6	3749523	3749523	+	4.72E-10	3.5943E-09	-0.21948	hypo	sig	chr6_3749523
chr2	1.05E+08	104659429	+	4.727E-10	3.5992E-09	0.255638	hyper	sig	chr2_104659429
chr16	57797828	57797828	+	4.73E-10	3.6012E-09	-0.21997	hypo	sig	chr16_57797828
chr2	2.42E+08	242011818	+	4.733E-10	3.6036E-09	-0.20783	hypo	sig	chr2_242011818
chr19	50550056	50550056	+	4.734E-10	3.6044E-09	-0.22851	hypo	sig	chr19_50550056

chr14	1.02E+08	102321241	+	4.739E-10	3.608E-09	-0.21911	hypo	sig	chr14_102321241
chr1	3203643	3203643	+	4.739E-10	3.6083E-09	-0.2118	hypo	sig	chr1_3203643
chr4	6221848	6221848	+	4.74E-10	3.6089E-09	0.221256	hyper	sig	chr4_6221848
chr6	42259320	42259320	+	4.741E-10	3.6093E-09	-0.20238	hypo	sig	chr6_42259320
chr11	1.3E+08	130318173	+	4.743E-10	3.6106E-09	-0.24439	hypo	sig	chr11_130318173
chr9	1042241	1042241	+	4.744E-10	3.6115E-09	0.204762	hyper	sig	chr9_1042241
chr17	18108693	18108693	+	4.745E-10	3.612E-09	0.200482	hyper	sig	chr17_18108693
chr19	1102754	1102754	+	4.745E-10	3.6121E-09	-0.26071	hypo	sig	chr19_1102754
chr7	1E+08	100390236	+	4.747E-10	3.6136E-09	-0.22624	hypo	sig	chr7_100390236
chr1	90719408	90719408	+	4.747E-10	3.614E-09	0.208196	hyper	sig	chr1_90719408
chr7	2512306	2512306	+	4.749E-10	3.6154E-09	-0.2057	hypo	sig	chr7_2512306
chr19	36113760	36113760	+	4.756E-10	3.62E-09	0.208183	hyper	sig	chr19_36113760
chr19	51601175	51601175	+	4.756E-10	3.6205E-09	0.258314	hyper	sig	chr19_51601175
chr17	46819585	46819585	+	4.756E-10	3.6205E-09	0.208287	hyper	sig	chr17_46819585
chr11	17547392	17547392	+	4.762E-10	3.6243E-09	0.229354	hyper	sig	chr11_17547392
chr7	1.51E+08	151088995	+	4.762E-10	3.6247E-09	0.210911	hyper	sig	chr7_151088995
chr16	49484227	49484227	+	4.766E-10	3.6276E-09	0.207233	hyper	sig	chr16_49484227
chr7	1.3E+08	130141828	+	4.767E-10	3.6281E-09	0.206794	hyper	sig	chr7_130141828
chr8	1.18E+08	118074544	+	4.77E-10	3.6301E-09	0.247014	hyper	sig	chr8_118074544
chr3	38645673	38645673	+	4.774E-10	3.6329E-09	-0.25286	hypo	sig	chr3_38645673
chr5	61622678	61622678	+	4.774E-10	3.6332E-09	-0.20989	hypo	sig	chr5_61622678
chr6	32152167	32152167	+	4.775E-10	3.6336E-09	0.234222	hyper	sig	chr6_32152167
chr12	1.08E+08	108210294	+	4.777E-10	3.6352E-09	-0.25714	hypo	sig	chr12_108210294
chr3	1.47E+08	147413289	+	4.777E-10	3.6352E-09	0.261037	hyper	sig	chr3_147413289
chr13	36432611	36432611	+	4.778E-10	3.636E-09	0.237688	hyper	sig	chr13_36432611
chr17	82003763	82003763	+	4.779E-10	3.6369E-09	0.210472	hyper	sig	chr17_82003763
chr7	97017792	97017792	+	4.78E-10	3.6375E-09	0.22256	hyper	sig	chr7_97017792
chr12	1.31E+08	131033851	+	4.784E-10	3.6403E-09	-0.26112	hypo	sig	chr12_131033851
chr20	49483340	49483340	+	4.784E-10	3.6403E-09	0.405173	hyper	sig	chr20_49483340
chr19	38562771	38562771	+	4.785E-10	3.6409E-09	-0.2516	hypo	sig	chr19_38562771
chr6	34002045	34002045	+	4.788E-10	3.6429E-09	0.201367	hyper	sig	chr6_34002045
chr16	67884828	67884828	+	4.788E-10	3.6433E-09	0.24889	hyper	sig	chr16_67884828
chr2	2.35E+08	235045271	+	4.789E-10	3.644E-09	-0.25653	hypo	sig	chr2_235045271
chr7	1922540	1922540	+	4.789E-10	3.6441E-09	-0.26823	hypo	sig	chr7_1922540
chr7	1.08E+08	107843354	+	4.791E-10	3.6451E-09	-0.24161	hypo	sig	chr7_107843354
chr7	4877647	4877647	+	4.795E-10	3.6481E-09	-0.21309	hypo	sig	chr7_4877647
chr9	1.38E+08	138148043	+	4.796E-10	3.6489E-09	0.236997	hyper	sig	chr9_138148043
chr9	87499004	87499004	+	4.798E-10	3.6505E-09	0.230607	hyper	sig	chr9_87499004
chr13	42574300	42574300	+	4.799E-10	3.6515E-09	0.295025	hyper	sig	chr13_42574300
chr7	1567717	1567717	+	4.808E-10	3.6577E-09	-0.21683	hypo	sig	chr7_1567717
chr8	46219205	46219205	+	4.808E-10	3.6578E-09	-0.22241	hypo	sig	chr8_46219205
chr10	1.34E+08	133529661	+	4.808E-10	3.6581E-09	0.21337	hyper	sig	chr10_133529661
chr1	3064091	3064091	+	4.809E-10	3.6583E-09	0.227321	hyper	sig	chr1_3064091
chr5	1.75E+08	174723359	+	4.81E-10	3.659E-09	0.293998	hyper	sig	chr5_174723359
chr2	1.05E+08	104854869	+	4.81E-10	3.6595E-09	0.255752	hyper	sig	chr2_104854869
chr3	1.23E+08	122923742	+	4.814E-10	3.6619E-09	0.212428	hyper	sig	chr3_122923742
chr5	1.75E+08	174718906	+	4.814E-10	3.6623E-09	0.205123	hyper	sig	chr5_174718906
chr6	29975683	29975683	+	4.818E-10	3.6655E-09	0.214865	hyper	sig	chr6_29975683
chr2	1.14E+08	113706355	+	4.819E-10	3.6661E-09	0.264344	hyper	sig	chr2_113706355
chr10	1.01E+08	101138688	+	4.822E-10	3.6678E-09	0.203279	hyper	sig	chr10_101138688
chr11	31814072	31814072	+	4.824E-10	3.6695E-09	0.215918	hyper	sig	chr11_31814072
chr6	1.5E+08	149954813	+	4.826E-10	3.6709E-09	0.208952	hyper	sig	chr6_149954813
chr10	513573	513573	+	4.826E-10	3.6709E-09	-0.31775	hypo	sig	chr10_513573
chr16	1128469	1128469	+	4.827E-10	3.6717E-09	-0.25073	hypo	sig	chr16_1128469
chr4	1.5E+08	150255985	+	4.828E-10	3.6719E-09	0.251639	hyper	sig	chr4_150255985
chr11	1.25E+08	125494843	+	4.832E-10	3.6752E-09	0.224093	hyper	sig	chr11_125494843

chr18	77087534	77087534	+	4.833E-10	3.6757E-09	0.303627	hyper	sig	chr18_77087534
chr7	1.55E+08	155257766	+	4.834E-10	3.6769E-09	-0.22501	hypo	sig	chr7_155257766
chr19	49037058	49037058	+	4.838E-10	3.6797E-09	-0.23145	hypo	sig	chr19_49037058
chr11	10693935	10693935	+	4.84E-10	3.6812E-09	0.217661	hyper	sig	chr11_10693935
chr22	43897961	43897961	+	4.841E-10	3.6818E-09	-0.28823	hypo	sig	chr22_43897961
chr7	1600440	1600440	+	4.845E-10	3.6845E-09	-0.22859	hypo	sig	chr7_1600440
chr7	10779815	10779815	+	4.849E-10	3.6881E-09	-0.2003	hypo	sig	chr7_10779815
chr20	37519246	37519246	+	4.854E-10	3.6911E-09	0.268485	hyper	sig	chr20_37519246
chr19	14337619	14337619	+	4.856E-10	3.6926E-09	-0.21033	hypo	sig	chr19_14337619
chr11	1423503	1423503	+	4.861E-10	3.6966E-09	-0.2275	hypo	sig	chr11_1423503
chr17	79144967	79144967	+	4.861E-10	3.6967E-09	-0.33116	hypo	sig	chr17_79144967
chr5	981715	981715	+	4.862E-10	3.6969E-09	0.217368	hyper	sig	chr5_981715
chr5	88689447	88689447	+	4.862E-10	3.6969E-09	0.229647	hyper	sig	chr5_88689447
chr17	28712040	28712040	+	4.862E-10	3.6969E-09	0.214367	hyper	sig	chr17_28712040
chr19	45901459	45901459	+	4.866E-10	3.7001E-09	0.291736	hyper	sig	chr19_45901459
chr7	6664543	6664543	+	4.872E-10	3.7043E-09	0.239597	hyper	sig	chr7_6664543
chr14	28759270	28759270	+	4.872E-10	3.7046E-09	0.208177	hyper	sig	chr14_28759270
chr1	1.1E+08	109762944	+	4.875E-10	3.7064E-09	-0.22678	hypo	sig	chr1_109762944
chr5	1295584	1295584	+	4.877E-10	3.7077E-09	0.262588	hyper	sig	chr5_1295584
chr11	1.11E+08	111283959	+	4.879E-10	3.7092E-09	-0.22068	hypo	sig	chr11_111283959
chr10	79983411	79983411	+	4.88E-10	3.7099E-09	0.224096	hyper	sig	chr10_79983411
chr20	37902537	37902537	+	4.88E-10	3.7099E-09	0.258664	hyper	sig	chr20_37902537
chr14	64197210	64197210	+	4.885E-10	3.7137E-09	0.210675	hyper	sig	chr14_64197210
chr11	31798128	31798128	+	4.886E-10	3.7144E-09	0.203577	hyper	sig	chr11_31798128
chr18	26660814	26660814	+	4.887E-10	3.7148E-09	-0.22055	hypo	sig	chr18_26660814
chr10	1.33E+08	132685456	+	4.888E-10	3.7158E-09	-0.20426	hypo	sig	chr10_132685456
chr1	10704474	10704474	+	4.893E-10	3.7191E-09	0.229929	hyper	sig	chr1_10704474
chr1	2.1E+08	210252601	+	4.893E-10	3.7191E-09	-0.23512	hypo	sig	chr1_210252601
chr20	52106107	52106107	+	4.895E-10	3.7205E-09	0.249573	hyper	sig	chr20_52106107
chr1	90725410	90725410	+	4.908E-10	3.7304E-09	0.206033	hyper	sig	chr1_90725410
chr11	1.34E+08	133788082	+	4.909E-10	3.731E-09	0.288384	hyper	sig	chr11_133788082
chr21	9778945	9778945	+	4.913E-10	3.7337E-09	-0.20275	hypo	sig	chr21_9778945
chr12	52014819	52014819	+	4.918E-10	3.7375E-09	0.311017	hyper	sig	chr12_52014819
chr19	44758475	44758475	+	4.919E-10	3.7381E-09	0.252525	hyper	sig	chr19_44758475
chr8	43277097	43277097	+	4.931E-10	3.747E-09	0.267199	hyper	sig	chr8_43277097
chr6	1.07E+08	106509632	+	4.941E-10	3.7541E-09	0.226924	hyper	sig	chr6_106509632
chr15	77975728	77975728	+	4.944E-10	3.7568E-09	0.272634	hyper	sig	chr15_77975728
chr5	1.42E+08	141695836	+	4.945E-10	3.757E-09	-0.20195	hypo	sig	chr5_141695836
chr12	43552029	43552029	+	4.95E-10	3.7612E-09	0.286496	hyper	sig	chr12_43552029
chr22	26757023	26757023	+	4.953E-10	3.7627E-09	0.22327	hyper	sig	chr22_26757023
chr16	67884786	67884786	+	4.954E-10	3.7637E-09	0.273896	hyper	sig	chr16_67884786
chr16	31224305	31224305	+	4.954E-10	3.764E-09	0.269664	hyper	sig	chr16_31224305
chr17	75588030	75588030	+	4.956E-10	3.7648E-09	0.204894	hyper	sig	chr17_75588030
chr17	22694396	22694396	+	4.961E-10	3.7691E-09	-0.29192	hypo	sig	chr17_22694396
chr2	79512152	79512152	+	4.964E-10	3.7707E-09	0.263628	hyper	sig	chr2_79512152
chr5	539762	539762	+	4.965E-10	3.7715E-09	0.219769	hyper	sig	chr5_539762
chr5	1.11E+08	111091656	+	4.968E-10	3.7736E-09	-0.22051	hypo	sig	chr5_111091656
chr12	1.17E+08	116506467	+	4.974E-10	3.7785E-09	-0.25495	hypo	sig	chr12_116506467
chr12	1.17E+08	116880041	+	4.975E-10	3.7789E-09	0.260527	hyper	sig	chr12_116880041
chr17	21452969	21452969	+	4.975E-10	3.7792E-09	0.209361	hyper	sig	chr17_21452969
chr16	1066015	1066015	+	4.976E-10	3.7797E-09	0.26629	hyper	sig	chr16_1066015
chr10	71393944	71393944	+	4.977E-10	3.7803E-09	-0.20783	hypo	sig	chr10_71393944
chr14	50007337	50007337	+	4.977E-10	3.7807E-09	-0.22102	hypo	sig	chr14_50007337
chr9	1.37E+08	137463305	+	4.978E-10	3.7814E-09	-0.22077	hypo	sig	chr9_137463305
chr1	1.56E+08	155962016	+	4.982E-10	3.7837E-09	-0.24708	hypo	sig	chr1_155962016
chr6	1.08E+08	108123640	+	4.986E-10	3.7872E-09	0.207215	hyper	sig	chr6_108123640

chr3	1.21E+08	121078674	+	4.987E-10	3.7878E-09	-0.22632	hypo	sig	chr3_121078674
chr14	96593158	96593158	+	4.989E-10	3.789E-09	0.242816	hyper	sig	chr14_96593158
chr1	7664037	7664037	+	4.995E-10	3.7938E-09	-0.24243	hypo	sig	chr1_7664037
chr11	30016083	30016083	+	4.996E-10	3.7941E-09	0.311119	hyper	sig	chr11_30016083
chr17	74310151	74310151	+	4.997E-10	3.795E-09	-0.22509	hypo	sig	chr17_74310151
chr6	1.49E+08	148513727	+	4.998E-10	3.7954E-09	0.230973	hyper	sig	chr6_148513727
chr12	34395013	34395013	+	5E-10	3.7969E-09	-0.2147	hypo	sig	chr12_34395013
chr19	42095736	42095736	+	5.003E-10	3.7989E-09	0.215463	hyper	sig	chr19_42095736
chr1	6465989	6465989	+	5.004E-10	3.7999E-09	0.234011	hyper	sig	chr1_6465989
chr18	77056388	77056388	+	5.009E-10	3.8037E-09	-0.20924	hypo	sig	chr18_77056388
chr10	7666205	7666205	+	5.015E-10	3.808E-09	0.257951	hyper	sig	chr10_7666205
chr19	37548753	37548753	+	5.016E-10	3.8088E-09	0.253428	hyper	sig	chr19_37548753
chr11	1882083	1882083	+	5.018E-10	3.8102E-09	-0.21167	hypo	sig	chr11_1882083
chr5	5139221	5139221	+	5.024E-10	3.814E-09	0.216773	hyper	sig	chr5_5139221
chr16	55327763	55327763	+	5.027E-10	3.8163E-09	0.252141	hyper	sig	chr16_55327763
chr19	36152613	36152613	+	5.029E-10	3.8176E-09	0.309416	hyper	sig	chr19_36152613
chr7	27106546	27106546	+	5.03E-10	3.8185E-09	0.30165	hyper	sig	chr7_27106546
chr10	1.29E+08	129030263	+	5.031E-10	3.8195E-09	-0.21494	hypo	sig	chr10_129030263
chr14	1.01E+08	100709638	+	5.033E-10	3.8203E-09	0.279479	hyper	sig	chr14_100709638
chr13	52826581	52826581	+	5.033E-10	3.8205E-09	-0.2341	hypo	sig	chr13_52826581
chr2	71071808	71071808	+	5.033E-10	3.8207E-09	-0.24359	hypo	sig	chr2_71071808
chr14	94951346	94951346	+	5.036E-10	3.8228E-09	-0.29634	hypo	sig	chr14_94951346
chr5	1.27E+08	126869353	+	5.037E-10	3.8231E-09	0.232225	hyper	sig	chr5_126869353
chr19	12195748	12195748	+	5.037E-10	3.8232E-09	0.250695	hyper	sig	chr19_12195748
chr5	1.41E+08	140830371	+	5.043E-10	3.8275E-09	0.224439	hyper	sig	chr5_140830371
chr7	97004218	97004218	+	5.044E-10	3.8282E-09	0.235255	hyper	sig	chr7_97004218
chr13	1.1E+08	110445430	+	5.046E-10	3.8297E-09	-0.20708	hypo	sig	chr13_110445430
chr2	47572908	47572908	+	5.047E-10	3.8301E-09	-0.20382	hypo	sig	chr2_47572908
chr5	1.13E+08	113474646	+	5.049E-10	3.8314E-09	-0.20804	hypo	sig	chr5_113474646
chr13	36431907	36431907	+	5.054E-10	3.8351E-09	0.282084	hyper	sig	chr13_36431907
chr19	4552468	4552468	+	5.055E-10	3.8359E-09	-0.21727	hypo	sig	chr19_4552468
chr12	1932545	1932545	+	5.058E-10	3.8383E-09	0.207491	hyper	sig	chr12_1932545
chr10	1.33E+08	133365267	+	5.062E-10	3.841E-09	-0.21212	hypo	sig	chr10_133365267
chr16	54291407	54291407	+	5.066E-10	3.8443E-09	0.206373	hyper	sig	chr16_54291407
chr17	1271560	1271560	+	5.068E-10	3.8458E-09	0.223508	hyper	sig	chr17_1271560
chr1	20399505	20399505	+	5.07E-10	3.8466E-09	-0.21981	hypo	sig	chr1_20399505
chr2	84294041	84294041	+	5.07E-10	3.8471E-09	-0.22377	hypo	sig	chr2_84294041
chr9	88990940	88990940	+	5.074E-10	3.85E-09	0.249571	hyper	sig	chr9_88990940
chr20	64106184	64106184	+	5.077E-10	3.852E-09	-0.22845	hypo	sig	chr20_64106184
chr2	24174896	24174896	+	5.078E-10	3.8523E-09	0.253202	hyper	sig	chr2_24174896
chr7	2692146	2692146	+	5.085E-10	3.8576E-09	-0.28259	hypo	sig	chr7_2692146
chr7	923835	923835	+	5.085E-10	3.8576E-09	-0.21212	hypo	sig	chr7_923835
chr12	24839381	24839381	+	5.085E-10	3.8578E-09	-0.21736	hypo	sig	chr12_24839381
chr7	1.51E+08	151395260	+	5.088E-10	3.8595E-09	-0.21719	hypo	sig	chr7_151395260
chr5	1.41E+08	141419274	+	5.091E-10	3.8619E-09	0.273962	hyper	sig	chr5_141419274
chr8	1.45E+08	144500325	+	5.092E-10	3.8626E-09	0.226561	hyper	sig	chr8_144500325
chr6	84763496	84763496	+	5.1E-10	3.8688E-09	0.240004	hyper	sig	chr6_84763496
chr1	58814737	58814737	+	5.102E-10	3.8699E-09	-0.23905	hypo	sig	chr1_58814737
chr8	66178101	66178101	+	5.103E-10	3.8709E-09	0.266066	hyper	sig	chr8_66178101
chr10	49769034	49769034	+	5.103E-10	3.8709E-09	0.312723	hyper	sig	chr10_49769034
chr13	1.01E+08	101452769	+	5.105E-10	3.8723E-09	-0.21342	hypo	sig	chr13_101452769
chr2	70901061	70901061	+	5.105E-10	3.8723E-09	0.200671	hyper	sig	chr2_70901061
chr17	49964817	49964817	+	5.107E-10	3.8733E-09	0.260109	hyper	sig	chr17_49964817
chr2	314540	314540	+	5.107E-10	3.8737E-09	-0.24116	hypo	sig	chr2_314540
chr15	52795161	52795161	+	5.109E-10	3.875E-09	0.304854	hyper	sig	chr15_52795161
chr19	55359090	55359090	+	5.111E-10	3.8765E-09	-0.20038	hypo	sig	chr19_55359090

chr10	49679614	49679614	+	5.113E-10	3.8781E-09	0.21686	hyper	sig	chr10_49679614
chr19	3369704	3369704	+	5.119E-10	3.8825E-09	0.221116	hyper	sig	chr19_3369704
chr19	53258615	53258615	+	5.121E-10	3.8835E-09	-0.21918	hypo	sig	chr19_53258615
chr13	1.13E+08	112773378	+	5.121E-10	3.8835E-09	0.204655	hyper	sig	chr13_112773378
chr3	72996535	72996535	+	5.124E-10	3.8858E-09	-0.23983	hypo	sig	chr3_72996535
chr1	75130434	75130434	+	5.126E-10	3.8875E-09	0.20445	hyper	sig	chr1_75130434
chr10	1.33E+08	132994655	+	5.127E-10	3.8879E-09	0.203691	hyper	sig	chr10_132994655
chr17	76949163	76949163	+	5.127E-10	3.8882E-09	-0.20597	hypo	sig	chr17_76949163
chr4	1.44E+08	143912344	+	5.128E-10	3.8885E-09	0.23322	hyper	sig	chr4_143912344
chr12	34375293	34375293	+	5.13E-10	3.89E-09	-0.2087	hypo	sig	chr12_34375293
chr2	8545491	8545491	+	5.131E-10	3.8911E-09	-0.21446	hypo	sig	chr2_8545491
chr14	37622410	37622410	+	5.132E-10	3.8919E-09	0.220626	hyper	sig	chr14_37622410
chr15	89411940	89411940	+	5.133E-10	3.8922E-09	0.220646	hyper	sig	chr15_89411940
chr19	1064265	1064265	+	5.142E-10	3.8991E-09	-0.23971	hypo	sig	chr19_1064265
chr7	1.54E+08	153749215	+	5.144E-10	3.8999E-09	0.265382	hyper	sig	chr7_153749215
chr16	88617495	88617495	+	5.145E-10	3.9008E-09	-0.20475	hypo	sig	chr16_88617495
chr1	2503847	2503847	+	5.15E-10	3.9044E-09	0.307006	hyper	sig	chr1_2503847
chr8	2057615	2057615	+	5.15E-10	3.9045E-09	-0.2348	hypo	sig	chr8_2057615
chr13	1.12E+08	112074102	+	5.153E-10	3.9068E-09	0.213339	hyper	sig	chr13_112074102
chr10	1.23E+08	123148202	+	5.159E-10	3.9112E-09	0.219049	hyper	sig	chr10_123148202
chr16	1020137	1020137	+	5.159E-10	3.9113E-09	-0.23086	hypo	sig	chr16_1020137
chr2	1.05E+08	104659440	+	5.16E-10	3.9116E-09	0.250898	hyper	sig	chr2_104659440
chr13	1.11E+08	111121559	+	5.167E-10	3.9166E-09	-0.21382	hypo	sig	chr13_111121559
chr20	10219490	10219490	+	5.172E-10	3.9207E-09	0.20474	hyper	sig	chr20_10219490
chr5	1.77E+08	177367006	+	5.177E-10	3.9242E-09	0.259711	hyper	sig	chr5_177367006
chr3	38648968	38648968	+	5.18E-10	3.9266E-09	0.225497	hyper	sig	chr3_38648968
chr8	2026740	2026740	+	5.182E-10	3.9276E-09	-0.26763	hypo	sig	chr8_2026740
chr2	1.15E+08	114662210	+	5.184E-10	3.9291E-09	0.361347	hyper	sig	chr2_114662210
chr17	38467173	38467173	+	5.185E-10	3.9297E-09	0.21102	hyper	sig	chr17_38467173
chr17	44559225	44559225	+	5.187E-10	3.9314E-09	0.242343	hyper	sig	chr17_44559225
chr11	69470804	69470804	+	5.189E-10	3.9328E-09	-0.26318	hypo	sig	chr11_69470804
chr2	2.38E+08	238231388	+	5.189E-10	3.933E-09	0.215635	hyper	sig	chr2_238231388
chr3	1.95E+08	194688119	+	5.191E-10	3.9338E-09	0.212067	hyper	sig	chr3_194688119
chr22	46268612	46268612	+	5.191E-10	3.9342E-09	-0.29152	hypo	sig	chr22_46268612
chr5	1.41E+08	141210179	+	5.199E-10	3.9398E-09	0.221109	hyper	sig	chr5_141210179
chr12	1.32E+08	132426829	+	5.199E-10	3.9401E-09	-0.23761	hypo	sig	chr12_132426829
chr20	46246665	46246665	+	5.2E-10	3.9402E-09	0.211325	hyper	sig	chr20_46246665
chr19	41888227	41888227	+	5.203E-10	3.943E-09	-0.28934	hypo	sig	chr19_41888227
chr2	64990461	64990461	+	5.204E-10	3.9434E-09	-0.24096	hypo	sig	chr2_64990461
chr20	64059870	64059870	+	5.204E-10	3.9437E-09	-0.20934	hypo	sig	chr20_64059870
chr5	1.77E+08	177402450	+	5.206E-10	3.9448E-09	0.207282	hyper	sig	chr5_177402450
chr10	1.33E+08	132911583	+	5.209E-10	3.9472E-09	-0.21626	hypo	sig	chr10_132911583
chr11	1.19E+08	118971677	+	5.21E-10	3.9479E-09	0.208773	hyper	sig	chr11_118971677
chr5	2755765	2755765	+	5.213E-10	3.9497E-09	0.203787	hyper	sig	chr5_2755765
chr7	1.53E+08	152924960	+	5.214E-10	3.9505E-09	0.26377	hyper	sig	chr7_152924960
chr2	70889687	70889687	+	5.215E-10	3.9517E-09	0.263554	hyper	sig	chr2_70889687
chr2	2.41E+08	240519423	+	5.218E-10	3.9535E-09	0.232821	hyper	sig	chr2_240519423
chr2	1.27E+08	126977349	+	5.219E-10	3.9541E-09	-0.21309	hypo	sig	chr2_126977349
chr5	88684532	88684532	+	5.231E-10	3.963E-09	0.212196	hyper	sig	chr5_88684532
chr17	36792069	36792069	+	5.242E-10	3.9705E-09	0.264929	hyper	sig	chr17_36792069
chr19	58098036	58098036	+	5.248E-10	3.9754E-09	0.238322	hyper	sig	chr19_58098036
chr8	1.43E+08	142612950	+	5.251E-10	3.9772E-09	-0.23474	hypo	sig	chr8_142612950
chr10	1.34E+08	133623007	+	5.251E-10	3.9773E-09	0.263454	hyper	sig	chr10_133623007
chr22	32204959	32204959	+	5.251E-10	3.9775E-09	-0.21053	hypo	sig	chr22_32204959
chr16	88184837	88184837	+	5.258E-10	3.9824E-09	-0.21651	hypo	sig	chr16_88184837
chr4	44447602	44447602	+	5.259E-10	3.9832E-09	0.213354	hyper	sig	chr4_44447602

chr7	57013039	57013039	+	5.26E-10	3.9837E-09	-0.22871	hypo	sig	chr7_57013039
chr11	70662072	70662072	+	5.261E-10	3.9842E-09	0.235348	hyper	sig	chr11_70662072
chr13	22897924	22897924	+	5.261E-10	3.9843E-09	-0.28818	hypo	sig	chr13_22897924
chr7	5295694	5295694	+	5.27E-10	3.9907E-09	-0.3051	hypo	sig	chr7_5295694
chr12	56957358	56957358	+	5.271E-10	3.9912E-09	-0.27333	hypo	sig	chr12_56957358
chr19	45771872	45771872	+	5.274E-10	3.9934E-09	0.201368	hyper	sig	chr19_45771872
chr3	48661136	48661136	+	5.274E-10	3.9935E-09	0.225398	hyper	sig	chr3_48661136
chr1	14930061	14930061	+	5.275E-10	3.994E-09	-0.25354	hypo	sig	chr1_14930061
chr13	94759293	94759293	+	5.275E-10	3.9945E-09	-0.25258	hypo	sig	chr13_94759293
chr2	1.82E+08	181683520	+	5.276E-10	3.9947E-09	0.270752	hyper	sig	chr2_181683520
chr2	1.05E+08	104659329	+	5.279E-10	3.9968E-09	0.201166	hyper	sig	chr2_104659329
chr2	2.42E+08	241900809	+	5.28E-10	3.9982E-09	-0.24622	hypo	sig	chr2_241900809
chr7	1.58E+08	158282719	+	5.287E-10	4.0028E-09	-0.21516	hypo	sig	chr7_158282719
chr1	90719690	90719690	+	5.289E-10	4.0043E-09	0.269899	hyper	sig	chr1_90719690
chr14	99522270	99522270	+	5.293E-10	4.0074E-09	0.231747	hyper	sig	chr14_99522270
chr5	1.76E+08	176362293	+	5.299E-10	4.0118E-09	-0.24241	hypo	sig	chr5_176362293
chr15	28832144	28832144	+	5.3E-10	4.0121E-09	0.219861	hyper	sig	chr15_28832144
chr16	86733217	86733217	+	5.303E-10	4.0146E-09	0.200595	hyper	sig	chr16_86733217
chr12	1.22E+08	121581067	+	5.303E-10	4.0148E-09	0.206857	hyper	sig	chr12_121581067
chr1	38570262	38570262	+	5.306E-10	4.0163E-09	-0.22687	hypo	sig	chr1_38570262
chr22	46268581	46268581	+	5.306E-10	4.0166E-09	-0.2474	hypo	sig	chr22_46268581
chr2	98396784	98396784	+	5.307E-10	4.0175E-09	-0.20125	hypo	sig	chr2_98396784
chr8	1.45E+08	144500379	+	5.309E-10	4.019E-09	0.285849	hyper	sig	chr8_144500379
chr10	26215287	26215287	+	5.312E-10	4.0205E-09	0.20476	hyper	sig	chr10_26215287
chr5	1.4E+08	139710608	+	5.316E-10	4.0237E-09	-0.2307	hypo	sig	chr5_139710608
chr10	69578665	69578665	+	5.317E-10	4.0245E-09	0.204662	hyper	sig	chr10_69578665
chr11	73367791	73367791	+	5.322E-10	4.0283E-09	-0.23077	hypo	sig	chr11_73367791
chr1	2.25E+08	225484423	+	5.328E-10	4.0327E-09	0.232452	hyper	sig	chr1_225484423
chr6	36285335	36285335	+	5.33E-10	4.0338E-09	0.20937	hyper	sig	chr6_36285335
chr16	30895934	30895934	+	5.33E-10	4.034E-09	0.250768	hyper	sig	chr16_30895934
chr3	1.28E+08	128491994	+	5.331E-10	4.0343E-09	0.20158	hyper	sig	chr3_128491994
chr6	1.68E+08	167795633	+	5.334E-10	4.0369E-09	-0.26332	hypo	sig	chr6_167795633
chr13	80360044	80360044	+	5.335E-10	4.0373E-09	-0.23737	hypo	sig	chr13_80360044
chr1	2.08E+08	207645254	+	5.341E-10	4.0414E-09	0.243553	hyper	sig	chr1_207645254
chr12	1.3E+08	130013851	+	5.341E-10	4.0415E-09	0.200937	hyper	sig	chr12_130013851
chr7	90599381	90599381	+	5.351E-10	4.0487E-09	-0.23696	hypo	sig	chr7_90599381
chr10	1.32E+08	131749535	+	5.352E-10	4.0497E-09	-0.26389	hypo	sig	chr10_131749535
chr1	18855014	18855014	+	5.366E-10	4.06E-09	-0.23944	hypo	sig	chr1_18855014
chr1	1.47E+08	147079937	+	5.366E-10	4.06E-09	0.220514	hyper	sig	chr1_147079937
chr16	88415913	88415913	+	5.371E-10	4.0635E-09	-0.23028	hypo	sig	chr16_88415913
chr15	24878365	24878365	+	5.372E-10	4.0638E-09	0.244298	hyper	sig	chr15_24878365
chr1	1.83E+08	182952575	+	5.378E-10	4.0685E-09	0.206182	hyper	sig	chr1_182952575
chr17	50840690	50840690	+	5.379E-10	4.0693E-09	-0.22956	hypo	sig	chr17_50840690
chr18	79899558	79899558	+	5.382E-10	4.0716E-09	0.2017	hyper	sig	chr18_79899558
chr10	22477134	22477134	+	5.388E-10	4.0759E-09	0.227613	hyper	sig	chr10_22477134
chr17	42784161	42784161	+	5.391E-10	4.0778E-09	0.212112	hyper	sig	chr17_42784161
chr1	2.26E+08	226127211	+	5.396E-10	4.081E-09	-0.26004	hypo	sig	chr1_226127211
chr8	1.2E+08	120125997	+	5.396E-10	4.0811E-09	0.216036	hyper	sig	chr8_120125997
chr2	85412776	85412776	+	5.403E-10	4.0863E-09	-0.29607	hypo	sig	chr2_85412776
chr20	38435792	38435792	+	5.407E-10	4.0891E-09	-0.20351	hypo	sig	chr20_38435792
chr5	602057	602057	+	5.411E-10	4.0917E-09	-0.21506	hypo	sig	chr5_602057
chr16	67885005	67885005	+	5.416E-10	4.0956E-09	0.251943	hyper	sig	chr16_67885005
chr16	3548600	3548600	+	5.419E-10	4.0976E-09	-0.25652	hypo	sig	chr16_3548600
chr10	35604666	35604666	+	5.423E-10	4.1004E-09	-0.22418	hypo	sig	chr10_35604666
chr5	1.77E+08	177367002	+	5.428E-10	4.1045E-09	0.244159	hyper	sig	chr5_177367002
chr16	3591279	3591279	+	5.435E-10	4.1092E-09	-0.20283	hypo	sig	chr16_3591279

chr3	50206497	50206497	+	5.435E-10	4.1094E-09	-0.26932	hypo	sig	chr3_50206497
chr17	48564675	48564675	+	5.436E-10	4.1102E-09	0.250434	hyper	sig	chr17_48564675
chr11	16611173	16611173	+	5.437E-10	4.1109E-09	0.203741	hyper	sig	chr11_16611173
chr22	43129314	43129314	+	5.439E-10	4.1121E-09	-0.21396	hypo	sig	chr22_43129314
chr11	64321891	64321891	+	5.442E-10	4.1145E-09	-0.20122	hypo	sig	chr11_64321891
chr17	3128038	3128038	+	5.445E-10	4.1165E-09	-0.22763	hypo	sig	chr17_3128038
chr11	69519351	69519351	+	5.445E-10	4.1166E-09	-0.25682	hypo	sig	chr11_69519351
chr17	82003853	82003853	+	5.448E-10	4.1188E-09	0.210147	hyper	sig	chr17_82003853
chr11	1.19E+08	118971670	+	5.45E-10	4.1196E-09	0.210105	hyper	sig	chr11_118971670
chr19	35774792	35774792	+	5.452E-10	4.1214E-09	-0.2276	hypo	sig	chr19_35774792
chr12	1.13E+08	113103878	+	5.458E-10	4.1261E-09	0.25766	hyper	sig	chr12_113103878
chr8	1.4E+08	140100734	+	5.463E-10	4.1291E-09	0.247707	hyper	sig	chr8_140100734
chr6	98843452	98843452	+	5.463E-10	4.1294E-09	0.214879	hyper	sig	chr6_98843452
chr11	69715789	69715789	+	5.467E-10	4.1322E-09	-0.21234	hypo	sig	chr11_69715789
chr11	49208521	49208521	+	5.469E-10	4.134E-09	0.213561	hyper	sig	chr11_49208521
chr5	1295610	1295610	+	5.47E-10	4.1341E-09	0.224787	hyper	sig	chr5_1295610
chr1	1211411	1211411	+	5.471E-10	4.1351E-09	-0.21744	hypo	sig	chr1_1211411
chr2	1.33E+08	132589285	+	5.471E-10	4.1354E-09	0.219882	hyper	sig	chr2_132589285
chr5	1.8E+08	179518594	+	5.477E-10	4.1396E-09	0.220768	hyper	sig	chr5_179518594
chr5	1.41E+08	140862621	+	5.479E-10	4.141E-09	0.253671	hyper	sig	chr5_140862621
chr2	1.13E+08	113291252	+	5.48E-10	4.1415E-09	0.231822	hyper	sig	chr2_113291252
chr11	1.29E+08	129372645	+	5.483E-10	4.1437E-09	0.216225	hyper	sig	chr11_129372645
chr14	70187202	70187202	+	5.483E-10	4.1438E-09	0.203539	hyper	sig	chr14_70187202
chr7	1.59E+08	158993011	+	5.484E-10	4.1445E-09	0.250559	hyper	sig	chr7_158993011
chr7	1.08E+08	107843488	+	5.485E-10	4.145E-09	-0.29955	hypo	sig	chr7_107843488
chr12	1.01E+08	101209746	+	5.488E-10	4.1473E-09	0.207859	hyper	sig	chr12_101209746
chr12	7439854	7439854	+	5.494E-10	4.1518E-09	0.248666	hyper	sig	chr12_7439854
chr5	1.41E+08	140795531	+	5.5E-10	4.1562E-09	0.222299	hyper	sig	chr5_140795531
chr11	1040312	1040312	+	5.502E-10	4.1573E-09	-0.24497	hypo	sig	chr11_1040312
chr7	1.55E+08	155167163	+	5.506E-10	4.1604E-09	-0.20822	hypo	sig	chr7_155167163
chr18	5196362	5196362	+	5.51E-10	4.163E-09	0.244759	hyper	sig	chr18_5196362
chr6	1.08E+08	108167419	+	5.51E-10	4.163E-09	0.227248	hyper	sig	chr6_108167419
chr6	1.66E+08	166170046	+	5.511E-10	4.1641E-09	0.22641	hyper	sig	chr6_166170046
chr16	55331850	55331850	+	5.518E-10	4.1692E-09	0.293655	hyper	sig	chr16_55331850
chr20	46058365	46058365	+	5.521E-10	4.1713E-09	0.317085	hyper	sig	chr20_46058365
chr11	1.34E+08	134360256	+	5.526E-10	4.1745E-09	0.260584	hyper	sig	chr11_134360256
chr19	3097714	3097714	+	5.526E-10	4.1749E-09	0.247845	hyper	sig	chr19_3097714
chr10	7561860	7561860	+	5.528E-10	4.1763E-09	0.214928	hyper	sig	chr10_7561860
chr16	843110	843110	+	5.529E-10	4.177E-09	-0.22934	hypo	sig	chr16_843110
chr10	1.03E+08	103278615	+	5.53E-10	4.1773E-09	0.266729	hyper	sig	chr10_103278615
chr6	52404091	52404091	+	5.531E-10	4.1787E-09	-0.23652	hypo	sig	chr6_52404091
chr19	56476961	56476961	+	5.532E-10	4.1788E-09	0.23341	hyper	sig	chr19_56476961
chr17	44758457	44758457	+	5.532E-10	4.179E-09	0.222868	hyper	sig	chr17_44758457
chr19	54277134	54277134	+	5.536E-10	4.1821E-09	-0.24543	hypo	sig	chr19_54277134
chr1	6345691	6345691	+	5.536E-10	4.1822E-09	-0.20221	hypo	sig	chr1_6345691
chr13	98223106	98223106	+	5.54E-10	4.1845E-09	-0.23064	hypo	sig	chr13_98223106
chr17	68461872	68461872	+	5.54E-10	4.1845E-09	-0.22633	hypo	sig	chr17_68461872
chr19	56368026	56368026	+	5.542E-10	4.1861E-09	0.214328	hyper	sig	chr19_56368026
chr14	99249568	99249568	+	5.548E-10	4.1908E-09	-0.23082	hypo	sig	chr14_99249568
chr20	63980505	63980505	+	5.551E-10	4.1924E-09	-0.20189	hypo	sig	chr20_63980505
chr9	1.33E+08	133475106	+	5.551E-10	4.193E-09	-0.25237	hypo	sig	chr9_133475106
chr15	80933119	80933119	+	5.552E-10	4.1933E-09	0.272332	hyper	sig	chr15_80933119
chr7	2944113	2944113	+	5.554E-10	4.1944E-09	-0.2388	hypo	sig	chr7_2944113
chr19	55038354	55038354	+	5.557E-10	4.1971E-09	-0.20492	hypo	sig	chr19_55038354
chr15	82646268	82646268	+	5.561E-10	4.2E-09	0.265197	hyper	sig	chr15_82646268
chr17	1787587	1787587	+	5.565E-10	4.2026E-09	-0.25811	hypo	sig	chr17_1787587

chr7	752117	752117	+	5.567E-10	4.2043E-09	0.210264	hyper	sig	chr7_752117
chr2	96636972	96636972	+	5.569E-10	4.2058E-09	0.230275	hyper	sig	chr2_96636972
chr16	30650256	30650256	+	5.57E-10	4.2064E-09	0.205222	hyper	sig	chr16_30650256
chr4	1.24E+08	123547672	+	5.574E-10	4.2091E-09	-0.22807	hypo	sig	chr4_123547672
chr1	3120392	3120392	+	5.581E-10	4.2142E-09	0.212292	hyper	sig	chr1_3120392
chr8	66178113	66178113	+	5.587E-10	4.2189E-09	0.302469	hyper	sig	chr8_66178113
chr2	2.19E+08	218995049	+	5.591E-10	4.2218E-09	0.239091	hyper	sig	chr2_218995049
chr17	18982181	18982181	+	5.592E-10	4.2226E-09	-0.20843	hypo	sig	chr17_18982181
chr13	50129282	50129282	+	5.596E-10	4.2253E-09	0.280625	hyper	sig	chr13_50129282
chr9	1.35E+08	134818347	+	5.6E-10	4.2282E-09	-0.23408	hypo	sig	chr9_134818347
chr1	17520260	17520260	+	5.607E-10	4.2331E-09	-0.2228	hypo	sig	chr1_17520260
chr19	4051768	4051768	+	5.613E-10	4.2374E-09	-0.21618	hypo	sig	chr19_4051768
chr17	887836	887836	+	5.615E-10	4.2391E-09	0.248061	hyper	sig	chr17_887836
chr13	20301924	20301924	+	5.618E-10	4.2412E-09	0.263864	hyper	sig	chr13_20301924
chr2	870634	870634	+	5.618E-10	4.2414E-09	-0.2202	hypo	sig	chr2_870634
chr1	2888655	2888655	+	5.621E-10	4.2438E-09	-0.28816	hypo	sig	chr1_2888655
chr15	89370811	89370811	+	5.622E-10	4.2439E-09	0.235594	hyper	sig	chr15_89370811
chr11	267619	267619	+	5.623E-10	4.2449E-09	-0.23715	hypo	sig	chr11_267619
chr13	1.12E+08	111584565	+	5.623E-10	4.2449E-09	-0.21544	hypo	sig	chr13_111584565
chr1	46551092	46551092	+	5.627E-10	4.2477E-09	-0.24743	hypo	sig	chr1_46551092
chr10	787216	787216	+	5.628E-10	4.2483E-09	-0.2358	hypo	sig	chr10_787216
chr16	49530459	49530459	+	5.633E-10	4.2522E-09	-0.30832	hypo	sig	chr16_49530459
chr2	5696014	5696014	+	5.633E-10	4.2525E-09	0.213945	hyper	sig	chr2_5696014
chr10	1.33E+08	133114931	+	5.638E-10	4.2555E-09	-0.22914	hypo	sig	chr10_133114931
chr10	1.22E+08	122499061	+	5.641E-10	4.2581E-09	-0.21028	hypo	sig	chr10_122499061
chr19	45152984	45152984	+	5.642E-10	4.2585E-09	0.20106	hyper	sig	chr19_45152984
chr2	47572085	47572085	+	5.643E-10	4.2594E-09	0.209669	hyper	sig	chr2_47572085
chr1	2.25E+08	224618147	+	5.644E-10	4.2601E-09	0.22175	hyper	sig	chr1_224618147
chr11	70177439	70177439	+	5.648E-10	4.2629E-09	-0.23112	hypo	sig	chr11_70177439
chr18	57352477	57352477	+	5.649E-10	4.2634E-09	0.251011	hyper	sig	chr18_57352477
chr1	1.12E+08	111737683	+	5.652E-10	4.2661E-09	0.206266	hyper	sig	chr1_111737683
chr16	63617706	63617706	+	5.653E-10	4.2663E-09	0.24837	hyper	sig	chr16_63617706
chr4	654800	654800	+	5.657E-10	4.2696E-09	-0.24332	hypo	sig	chr4_654800
chr6	29827780	29827780	+	5.658E-10	4.27E-09	0.204768	hyper	sig	chr6_29827780
chr12	45050213	45050213	+	5.659E-10	4.2708E-09	0.202241	hyper	sig	chr12_45050213
chr4	1.13E+08	112511417	+	5.66E-10	4.2713E-09	0.21524	hyper	sig	chr4_112511417
chr4	10461996	10461996	+	5.661E-10	4.2721E-09	0.210426	hyper	sig	chr4_10461996
chr10	3118782	3118782	+	5.664E-10	4.2741E-09	-0.23617	hypo	sig	chr10_3118782
chr1	6455811	6455811	+	5.667E-10	4.2763E-09	0.259281	hyper	sig	chr1_6455811
chr7	15687778	15687778	+	5.675E-10	4.2826E-09	0.215911	hyper	sig	chr7_15687778
chr11	75428475	75428475	+	5.686E-10	4.2903E-09	0.211864	hyper	sig	chr11_75428475
chr19	49390140	49390140	+	5.689E-10	4.2928E-09	-0.25935	hypo	sig	chr19_49390140
chr5	7290039	7290039	+	5.689E-10	4.2929E-09	-0.22122	hypo	sig	chr5_7290039
chr14	85529451	85529451	+	5.693E-10	4.2954E-09	0.239705	hyper	sig	chr14_85529451
chr19	1734442	1734442	+	5.693E-10	4.2957E-09	0.235618	hyper	sig	chr19_1734442
chr11	65184263	65184263	+	5.695E-10	4.2969E-09	0.208775	hyper	sig	chr11_65184263
chr3	11157097	11157097	+	5.697E-10	4.2983E-09	-0.25649	hypo	sig	chr3_11157097
chr5	1.73E+08	173234052	+	5.7E-10	4.3003E-09	0.260527	hyper	sig	chr5_173234052
chr12	57621567	57621567	+	5.7E-10	4.3005E-09	0.21439	hyper	sig	chr12_57621567
chr19	1170246	1170246	+	5.7E-10	4.3006E-09	0.200718	hyper	sig	chr19_1170246
chr19	5914729	5914729	+	5.701E-10	4.301E-09	0.270639	hyper	sig	chr19_5914729
chr2	42050492	42050492	+	5.707E-10	4.3058E-09	0.216409	hyper	sig	chr2_42050492
chr16	4376975	4376975	+	5.716E-10	4.312E-09	0.218915	hyper	sig	chr16_4376975
chr12	52947846	52947846	+	5.718E-10	4.3134E-09	-0.2363	hypo	sig	chr12_52947846
chr5	2643165	2643165	+	5.721E-10	4.3156E-09	0.221482	hyper	sig	chr5_2643165
chr5	572004	572004	+	5.723E-10	4.317E-09	-0.22401	hypo	sig	chr5_572004

chr17	2309969	2309969	+	5.726E-10	4.319E-09	0.221478	hyper	sig	chr17_2309969
chr1	2.21E+08	220892087	+	5.733E-10	4.3244E-09	-0.22805	hypo	sig	chr1_220892087
chr22	46268555	46268555	+	5.735E-10	4.3255E-09	-0.21268	hypo	sig	chr22_46268555
chr4	8606220	8606220	+	5.737E-10	4.327E-09	-0.236	hypo	sig	chr4_8606220
chr22	36322380	36322380	+	5.738E-10	4.3277E-09	0.230266	hyper	sig	chr22_36322380
chr2	1.35E+08	134719549	+	5.745E-10	4.3331E-09	0.304927	hyper	sig	chr2_134719549
chr7	99598230	99598230	+	5.75E-10	4.3369E-09	0.288844	hyper	sig	chr7_99598230
chr2	2.01E+08	200586222	+	5.751E-10	4.3373E-09	0.208297	hyper	sig	chr2_200586222
chr5	1.79E+08	178577088	+	5.754E-10	4.3396E-09	0.22633	hyper	sig	chr5_178577088
chr10	1.33E+08	133259995	+	5.755E-10	4.34E-09	0.216271	hyper	sig	chr10_133259995
chr22	48334561	48334561	+	5.758E-10	4.3423E-09	-0.23673	hypo	sig	chr22_48334561
chr12	1.32E+08	132178969	+	5.758E-10	4.3424E-09	-0.25261	hypo	sig	chr12_132178969
chr12	30201667	30201667	+	5.765E-10	4.3476E-09	0.20246	hyper	sig	chr12_30201667
chr11	64712024	64712024	+	5.768E-10	4.349E-09	0.223488	hyper	sig	chr11_64712024
chr16	86508073	86508073	+	5.768E-10	4.3495E-09	0.2296	hyper	sig	chr16_86508073
chr20	61902804	61902804	+	5.769E-10	4.3503E-09	-0.21186	hypo	sig	chr20_61902804
chr2	74130448	74130448	+	5.774E-10	4.3536E-09	0.241169	hyper	sig	chr2_74130448
chr19	58356997	58356997	+	5.776E-10	4.3552E-09	0.222318	hyper	sig	chr19_58356997
chr16	2842598	2842598	+	5.778E-10	4.3567E-09	0.217483	hyper	sig	chr16_2842598
chr18	79430123	79430123	+	5.783E-10	4.3599E-09	-0.20816	hypo	sig	chr18_79430123
chr7	1.52E+08	151782769	+	5.787E-10	4.3633E-09	0.210373	hyper	sig	chr7_151782769
chr11	1.34E+08	134046781	+	5.791E-10	4.3657E-09	-0.2032	hypo	sig	chr11_134046781
chr19	8062313	8062313	+	5.796E-10	4.3695E-09	-0.24424	hypo	sig	chr19_8062313
chr5	1.39E+08	139393623	+	5.796E-10	4.3696E-09	0.236533	hyper	sig	chr5_139393623
chr15	98505215	98505215	+	5.798E-10	4.3708E-09	-0.20922	hypo	sig	chr15_98505215
chr8	1.43E+08	142777004	+	5.799E-10	4.3712E-09	0.26379	hyper	sig	chr8_142777004
chr6	28259241	28259241	+	5.8E-10	4.3724E-09	0.225361	hyper	sig	chr6_28259241
chr7	1.52E+08	151736308	+	5.801E-10	4.3725E-09	0.227948	hyper	sig	chr7_151736308
chr12	1.32E+08	131662343	+	5.804E-10	4.3747E-09	0.23509	hyper	sig	chr12_131662343
chr3	1.84E+08	184337238	+	5.804E-10	4.3751E-09	0.255911	hyper	sig	chr3_184337238
chr8	1.08E+08	108081194	+	5.807E-10	4.377E-09	0.24512	hyper	sig	chr8_108081194
chr2	2.2E+08	219852098	+	5.808E-10	4.3777E-09	0.229004	hyper	sig	chr2_219852098
chr17	82457468	82457468	+	5.82E-10	4.3867E-09	-0.24494	hypo	sig	chr17_82457468
chr17	1752810	1752810	+	5.824E-10	4.3892E-09	-0.28371	hypo	sig	chr17_1752810
chr2	2.42E+08	241771511	+	5.825E-10	4.3899E-09	0.22462	hyper	sig	chr2_241771511
chr19	17821386	17821386	+	5.825E-10	4.3902E-09	0.258247	hyper	sig	chr19_17821386
chr4	29117495	29117495	+	5.825E-10	4.3902E-09	-0.2025	hypo	sig	chr4_29117495
chr12	1.32E+08	132431056	+	5.826E-10	4.3907E-09	-0.22934	hypo	sig	chr12_132431056
chr19	3165802	3165802	+	5.826E-10	4.391E-09	-0.2103	hypo	sig	chr19_3165802
chr11	65591988	65591988	+	5.837E-10	4.3985E-09	0.279635	hyper	sig	chr11_65591988
chr8	1.42E+08	142454289	+	5.837E-10	4.3989E-09	-0.2163	hypo	sig	chr8_142454289
chr6	1624764	1624764	+	5.838E-10	4.3995E-09	0.264088	hyper	sig	chr6_1624764
chr17	416275	416275	+	5.842E-10	4.4022E-09	-0.26083	hypo	sig	chr17_416275
chr12	38141893	38141893	+	5.843E-10	4.4029E-09	-0.24437	hypo	sig	chr12_38141893
chr8	1.43E+08	143228932	+	5.843E-10	4.4029E-09	-0.22098	hypo	sig	chr8_143228932
chr3	1.38E+08	137764672	+	5.843E-10	4.4032E-09	0.202658	hyper	sig	chr3_137764672
chr13	21106421	21106421	+	5.846E-10	4.405E-09	-0.20291	hypo	sig	chr13_21106421
chr1	2.42E+08	242059667	+	5.851E-10	4.4083E-09	-0.25231	hypo	sig	chr1_242059667
chr9	1.37E+08	136739820	+	5.852E-10	4.4088E-09	-0.21473	hypo	sig	chr9_136739820
chr17	81734399	81734399	+	5.861E-10	4.4155E-09	-0.24853	hypo	sig	chr17_81734399
chr10	1.01E+08	101236686	+	5.87E-10	4.422E-09	0.231615	hyper	sig	chr10_101236686
chr11	64972183	64972183	+	5.87E-10	4.422E-09	0.246768	hyper	sig	chr11_64972183
chr2	2.39E+08	239118432	+	5.872E-10	4.4234E-09	0.219883	hyper	sig	chr2_239118432
chr19	10287497	10287497	+	5.873E-10	4.4244E-09	0.24155	hyper	sig	chr19_10287497
chr10	79983390	79983390	+	5.873E-10	4.4244E-09	0.211482	hyper	sig	chr10_79983390
chr5	88689405	88689405	+	5.878E-10	4.428E-09	0.212576	hyper	sig	chr5_88689405

chr5	37835404	37835404	+	5.88E-10	4.4295E-09	0.219113	hyper	sig	chr5_37835404
chr5	1.41E+08	141234903	+	5.881E-10	4.4302E-09	0.212888	hyper	sig	chr5_141234903
chr7	1.02E+08	101687651	+	5.882E-10	4.4305E-09	-0.21338	hypo	sig	chr7_101687651
chr2	44944709	44944709	+	5.883E-10	4.4312E-09	0.238723	hyper	sig	chr2_44944709
chr4	82274930	82274930	+	5.883E-10	4.4312E-09	-0.20522	hypo	sig	chr4_82274930
chr2	1.31E+08	130918720	+	5.884E-10	4.4322E-09	-0.20492	hypo	sig	chr2_130918720
chr2	46276357	46276357	+	5.888E-10	4.435E-09	-0.2186	hypo	sig	chr2_46276357
chr19	1271398	1271398	+	5.891E-10	4.4374E-09	0.211459	hyper	sig	chr19_1271398
chr2	74516419	74516419	+	5.892E-10	4.4382E-09	0.24787	hyper	sig	chr2_74516419
chr9	35036355	35036355	+	5.894E-10	4.4391E-09	0.23477	hyper	sig	chr9_35036355
chr3	13072840	13072840	+	5.894E-10	4.4396E-09	0.256209	hyper	sig	chr3_13072840
chr7	1.43E+08	142856777	+	5.896E-10	4.4408E-09	-0.25252	hypo	sig	chr7_142856777
chr5	88886979	88886979	+	5.898E-10	4.4421E-09	-0.21289	hypo	sig	chr5_88886979
chr7	1.55E+08	155071671	+	5.899E-10	4.4432E-09	-0.20231	hypo	sig	chr7_155071671
chr12	1.1E+08	109589017	+	5.9E-10	4.4438E-09	-0.24792	hypo	sig	chr12_109589017
chr3	1.72E+08	172447727	+	5.903E-10	4.4458E-09	0.228654	hyper	sig	chr3_172447727
chr12	1.32E+08	132320255	+	5.904E-10	4.4467E-09	-0.23297	hypo	sig	chr12_132320255
chr4	7461374	7461374	+	5.905E-10	4.4468E-09	-0.24573	hypo	sig	chr4_7461374
chr7	945994	945994	+	5.91E-10	4.4503E-09	-0.20413	hypo	sig	chr7_945994
chr19	15181779	15181779	+	5.911E-10	4.4511E-09	-0.2531	hypo	sig	chr19_15181779
chr11	65727724	65727724	+	5.911E-10	4.4511E-09	-0.23878	hypo	sig	chr11_65727724
chr1	15949812	15949812	+	5.914E-10	4.4535E-09	0.227961	hyper	sig	chr1_15949812
chr5	1.73E+08	173234575	+	5.92E-10	4.4581E-09	0.255208	hyper	sig	chr5_173234575
chr5	1.41E+08	141362127	+	5.925E-10	4.462E-09	0.24333	hyper	sig	chr5_141362127
chr21	45257864	45257864	+	5.927E-10	4.4628E-09	-0.20714	hypo	sig	chr21_45257864
chr8	26515299	26515299	+	5.935E-10	4.4686E-09	0.2175	hyper	sig	chr8_26515299
chr1	1536855	1536855	+	5.935E-10	4.4686E-09	0.242884	hyper	sig	chr1_1536855
chr11	66543904	66543904	+	5.936E-10	4.4691E-09	0.207661	hyper	sig	chr11_66543904
chr13	36345158	36345158	+	5.942E-10	4.4736E-09	0.205687	hyper	sig	chr13_36345158
chr2	1.3E+08	129878111	+	5.944E-10	4.4754E-09	0.26374	hyper	sig	chr2_129878111
chr17	79046728	79046728	+	5.948E-10	4.4777E-09	0.203509	hyper	sig	chr17_79046728
chr1	3366337	3366337	+	5.948E-10	4.4781E-09	0.208133	hyper	sig	chr1_3366337
chr8	926183	926183	+	5.949E-10	4.4783E-09	-0.22845	hypo	sig	chr8_926183
chr13	27979468	27979468	+	5.95E-10	4.4792E-09	0.219161	hyper	sig	chr13_27979468
chr7	27113356	27113356	+	5.953E-10	4.4811E-09	0.334194	hyper	sig	chr7_27113356
chr17	49964778	49964778	+	5.955E-10	4.4829E-09	0.246179	hyper	sig	chr17_49964778
chr1	1.61E+08	161313856	+	5.957E-10	4.4841E-09	-0.2055	hypo	sig	chr1_161313856
chr12	1.2E+08	119803523	+	5.962E-10	4.488E-09	0.207939	hyper	sig	chr12_119803523
chr19	45161301	45161301	+	5.963E-10	4.4889E-09	-0.21738	hypo	sig	chr19_45161301
chr10	3118767	3118767	+	5.964E-10	4.4891E-09	-0.25491	hypo	sig	chr10_3118767
chr3	1.34E+08	133746497	+	5.966E-10	4.4909E-09	0.216188	hyper	sig	chr3_133746497
chr6	31355149	31355149	+	5.974E-10	4.4964E-09	-0.20599	hypo	sig	chr6_31355149
chr1	2.48E+08	247549013	+	5.975E-10	4.4974E-09	-0.25649	hypo	sig	chr1_247549013
chr2	2.39E+08	239483553	+	5.984E-10	4.5034E-09	-0.22623	hypo	sig	chr2_239483553
chr8	1.09E+08	108786918	+	5.988E-10	4.5066E-09	0.22134	hyper	sig	chr8_108786918
chr4	6105648	6105648	+	5.99E-10	4.5084E-09	0.282383	hyper	sig	chr4_6105648
chr12	1.32E+08	132409851	+	5.991E-10	4.5085E-09	-0.28122	hypo	sig	chr12_132409851
chr8	48590354	48590354	+	5.996E-10	4.5123E-09	-0.224	hypo	sig	chr8_48590354
chr16	67155893	67155893	+	6.004E-10	4.5181E-09	0.25072	hyper	sig	chr16_67155893
chr14	1.06E+08	105708014	+	6.008E-10	4.5208E-09	-0.22454	hypo	sig	chr14_105708014
chr3	1.28E+08	128480918	+	6.01E-10	4.5225E-09	0.239806	hyper	sig	chr3_128480918
chr17	79408536	79408536	+	6.012E-10	4.5236E-09	-0.25611	hypo	sig	chr17_79408536
chr10	86960341	86960341	+	6.024E-10	4.5322E-09	-0.2178	hypo	sig	chr10_86960341
chr5	1.41E+08	140802538	+	6.025E-10	4.5329E-09	0.234007	hyper	sig	chr5_140802538
chr5	1291269	1291269	+	6.027E-10	4.5344E-09	-0.24739	hypo	sig	chr5_1291269
chr15	83107271	83107271	+	6.033E-10	4.5388E-09	0.238561	hyper	sig	chr15_83107271

chr9	1.37E+08	137019238	+	6.035E-10	4.5403E-09	-0.22492	hypo	sig	chr9_137019238
chr9	1.31E+08	131273261	+	6.036E-10	4.5406E-09	-0.23503	hypo	sig	chr9_131273261
chr1	2.05E+08	205031782	+	6.036E-10	4.5408E-09	-0.21353	hypo	sig	chr1_205031782
chr1	3157187	3157187	+	6.04E-10	4.5436E-09	0.208228	hyper	sig	chr1_3157187
chr8	98949264	98949264	+	6.042E-10	4.5451E-09	0.281884	hyper	sig	chr8_98949264
chr6	1.57E+08	156719718	+	6.044E-10	4.5467E-09	-0.27779	hypo	sig	chr6_156719718
chr11	396716	396716	+	6.044E-10	4.5469E-09	0.206662	hyper	sig	chr11_396716
chr16	29664740	29664740	+	6.045E-10	4.5471E-09	-0.20739	hypo	sig	chr16_29664740
chr15	93179355	93179355	+	6.045E-10	4.5477E-09	-0.24226	hypo	sig	chr15_93179355
chr7	1.3E+08	129796628	+	6.046E-10	4.5477E-09	-0.20039	hypo	sig	chr7_129796628
chr16	88098817	88098817	+	6.052E-10	4.5524E-09	-0.21148	hypo	sig	chr16_88098817
chr11	68854809	68854809	+	6.055E-10	4.5547E-09	0.220797	hyper	sig	chr11_68854809
chr5	1.71E+08	170773368	+	6.058E-10	4.5565E-09	-0.20611	hypo	sig	chr5_170773368
chr19	13017071	13017071	+	6.062E-10	4.5597E-09	0.206506	hyper	sig	chr19_13017071
chr18	80077547	80077547	+	6.064E-10	4.5609E-09	-0.23304	hypo	sig	chr18_80077547
chr1	1.5E+08	150282742	+	6.066E-10	4.5625E-09	0.217647	hyper	sig	chr1_150282742
chr17	74852028	74852028	+	6.068E-10	4.5636E-09	-0.20859	hypo	sig	chr17_74852028
chr16	57528894	57528894	+	6.069E-10	4.5647E-09	-0.2472	hypo	sig	chr16_57528894
chr2	5696583	5696583	+	6.08E-10	4.5724E-09	0.262906	hyper	sig	chr2_5696583
chr7	1.57E+08	157014762	+	6.082E-10	4.5737E-09	0.205302	hyper	sig	chr7_157014762
chr5	81852431	81852431	+	6.09E-10	4.5798E-09	0.207371	hyper	sig	chr5_81852431
chr16	839011	839011	+	6.095E-10	4.5831E-09	-0.23114	hypo	sig	chr16_839011
chr1	6080565	6080565	+	6.114E-10	4.5966E-09	0.237661	hyper	sig	chr1_6080565
chr1	37557166	37557166	+	6.119E-10	4.6001E-09	0.23238	hyper	sig	chr1_37557166
chr12	1.1E+08	110430265	+	6.126E-10	4.6055E-09	-0.25488	hypo	sig	chr12_110430265
chr16	85753513	85753513	+	6.127E-10	4.6059E-09	0.207029	hyper	sig	chr16_85753513
chr14	1.06E+08	105763328	+	6.127E-10	4.6063E-09	-0.20754	hypo	sig	chr14_105763328
chr8	22704866	22704866	+	6.131E-10	4.6086E-09	0.260636	hyper	sig	chr8_22704866
chr4	1.88E+08	187995495	+	6.133E-10	4.6107E-09	0.231404	hyper	sig	chr4_187995495
chr1	26201425	26201425	+	6.135E-10	4.6121E-09	0.223731	hyper	sig	chr1_26201425
chr8	53886175	53886175	+	6.142E-10	4.617E-09	-0.21733	hypo	sig	chr8_53886175
chr16	7304506	7304506	+	6.142E-10	4.6171E-09	0.256895	hyper	sig	chr16_7304506
chr8	37493544	37493544	+	6.146E-10	4.6196E-09	0.210391	hyper	sig	chr8_37493544
chr9	34371335	34371335	+	6.146E-10	4.6197E-09	0.257456	hyper	sig	chr9_34371335
chr20	51802340	51802340	+	6.151E-10	4.6234E-09	0.310656	hyper	sig	chr20_51802340
chr15	65332941	65332941	+	6.161E-10	4.6303E-09	-0.25815	hypo	sig	chr15_65332941
chr10	97596378	97596378	+	6.165E-10	4.6332E-09	-0.20081	hypo	sig	chr10_97596378
chr7	1.58E+08	158282666	+	6.169E-10	4.6365E-09	-0.20736	hypo	sig	chr7_158282666
chr19	46296916	46296916	+	6.169E-10	4.6367E-09	0.240833	hyper	sig	chr19_46296916
chr19	41935938	41935938	+	6.171E-10	4.6376E-09	0.223298	hyper	sig	chr19_41935938
chr8	33565801	33565801	+	6.172E-10	4.6388E-09	0.244705	hyper	sig	chr8_33565801
chr7	1.54E+08	154052644	+	6.179E-10	4.6433E-09	0.263145	hyper	sig	chr7_154052644
chr8	1.4E+08	140360057	+	6.181E-10	4.6451E-09	0.249842	hyper	sig	chr8_140360057
chr17	40355289	40355289	+	6.185E-10	4.6479E-09	0.205435	hyper	sig	chr17_40355289
chr2	70889354	70889354	+	6.186E-10	4.6484E-09	0.221675	hyper	sig	chr2_70889354
chr15	62782737	62782737	+	6.196E-10	4.6561E-09	0.236625	hyper	sig	chr15_62782737
chr17	7855565	7855565	+	6.198E-10	4.6571E-09	0.242546	hyper	sig	chr17_7855565
chr10	1.14E+08	114320862	+	6.201E-10	4.6598E-09	-0.24234	hypo	sig	chr10_114320862
chr22	46123307	46123307	+	6.203E-10	4.661E-09	-0.26464	hypo	sig	chr22_46123307
chr2	1.72E+08	172108026	+	6.206E-10	4.6628E-09	0.213139	hyper	sig	chr2_172108026
chr16	841602	841602	+	6.208E-10	4.6644E-09	-0.21744	hypo	sig	chr16_841602
chr19	50323800	50323800	+	6.209E-10	4.6653E-09	-0.23831	hypo	sig	chr19_50323800
chr1	9326762	9326762	+	6.21E-10	4.6661E-09	0.240316	hyper	sig	chr1_9326762
chr17	299647	299647	+	6.214E-10	4.6683E-09	0.202361	hyper	sig	chr17_299647
chr11	31796926	31796926	+	6.214E-10	4.6684E-09	0.243972	hyper	sig	chr11_31796926
chr3	42265563	42265563	+	6.215E-10	4.6693E-09	0.329395	hyper	sig	chr3_42265563

chr2	2.39E+08	239498910	+	6.216E-10	4.67E-09	-0.20424	hypo	sig	chr2_239498910
chr3	22372209	22372209	+	6.223E-10	4.6749E-09	0.277386	hyper	sig	chr3_22372209
chr12	1.1E+08	109709573	+	6.224E-10	4.676E-09	-0.24612	hypo	sig	chr12_109709573
chr19	41926101	41926101	+	6.229E-10	4.6791E-09	0.224814	hyper	sig	chr19_41926101
chr2	25167488	25167488	+	6.237E-10	4.685E-09	0.308613	hyper	sig	chr2_25167488
chr12	1912779	1912779	+	6.237E-10	4.6851E-09	-0.2613	hypo	sig	chr12_1912779
chr17	61398204	61398204	+	6.237E-10	4.6852E-09	0.237643	hyper	sig	chr17_61398204
chr10	26392472	26392472	+	6.238E-10	4.6855E-09	-0.2467	hypo	sig	chr10_26392472
chr1	1631704	1631704	+	6.25E-10	4.6945E-09	0.202227	hyper	sig	chr1_1631704
chr14	73783815	73783815	+	6.251E-10	4.6955E-09	0.278757	hyper	sig	chr14_73783815
chr13	26685672	26685672	+	6.255E-10	4.6981E-09	-0.29456	hypo	sig	chr13_26685672
chr19	56477029	56477029	+	6.255E-10	4.6982E-09	0.239336	hyper	sig	chr19_56477029
chr14	1.04E+08	104186530	+	6.264E-10	4.7043E-09	-0.24367	hypo	sig	chr14_104186530
chr21	42315254	42315254	+	6.265E-10	4.705E-09	-0.2281	hypo	sig	chr21_42315254
chr19	524186	524186	+	6.271E-10	4.7093E-09	-0.25893	hypo	sig	chr19_524186
chr2	44930150	44930150	+	6.271E-10	4.7093E-09	0.213104	hyper	sig	chr2_44930150
chr1	1.19E+08	118992083	+	6.275E-10	4.7123E-09	0.231088	hyper	sig	chr1_118992083
chr3	1.84E+08	184379601	+	6.278E-10	4.7149E-09	0.266654	hyper	sig	chr3_184379601
chr4	7773116	7773116	+	6.281E-10	4.7166E-09	0.204958	hyper	sig	chr4_7773116
chr8	66178089	66178089	+	6.283E-10	4.7179E-09	0.234533	hyper	sig	chr8_66178089
chr1	6470716	6470716	+	6.287E-10	4.7208E-09	0.219742	hyper	sig	chr1_6470716
chr3	51670335	51670335	+	6.288E-10	4.7219E-09	-0.22064	hypo	sig	chr3_51670335
chr19	1765763	1765763	+	6.289E-10	4.7221E-09	0.261109	hyper	sig	chr19_1765763
chr10	1.33E+08	133083327	+	6.289E-10	4.7223E-09	0.250294	hyper	sig	chr10_133083327
chr2	2.42E+08	242012262	+	6.29E-10	4.7232E-09	-0.22653	hypo	sig	chr2_242012262
chr7	1.5E+08	149692544	+	6.291E-10	4.7238E-09	0.263955	hyper	sig	chr7_149692544
chr11	1.34E+08	134471544	+	6.293E-10	4.7253E-09	0.225724	hyper	sig	chr11_134471544
chr19	57095876	57095876	+	6.296E-10	4.7273E-09	-0.20641	hypo	sig	chr19_57095876
chr16	74421621	74421621	+	6.298E-10	4.7287E-09	-0.2158	hypo	sig	chr16_74421621
chr4	3494573	3494573	+	6.3E-10	4.7299E-09	0.228295	hyper	sig	chr4_3494573
chr20	25584883	25584883	+	6.304E-10	4.7327E-09	0.261441	hyper	sig	chr20_25584883
chr2	26174299	26174299	+	6.309E-10	4.7365E-09	0.276697	hyper	sig	chr2_26174299
chr1	1.55E+08	155307712	+	6.32E-10	4.7444E-09	0.218192	hyper	sig	chr1_155307712
chr7	1.56E+08	155806408	+	6.321E-10	4.7451E-09	0.243268	hyper	sig	chr7_155806408
chr3	1.92E+08	191952723	+	6.322E-10	4.7455E-09	-0.22531	hypo	sig	chr3_191952723
chr13	1.12E+08	111512531	+	6.323E-10	4.7462E-09	-0.22778	hypo	sig	chr13_111512531
chr4	1.54E+08	153760208	+	6.326E-10	4.7482E-09	0.266761	hyper	sig	chr4_153760208
chr2	1.37E+08	136765000	+	6.328E-10	4.7496E-09	0.300532	hyper	sig	chr2_136765000
chr7	1922601	1922601	+	6.332E-10	4.7526E-09	-0.2295	hypo	sig	chr7_1922601
chr12	1.14E+08	114395970	+	6.339E-10	4.7577E-09	0.257654	hyper	sig	chr12_114395970
chr15	29101574	29101574	+	6.345E-10	4.7621E-09	-0.24067	hypo	sig	chr15_29101574
chr7	1.06E+08	106013297	+	6.347E-10	4.7631E-09	0.212812	hyper	sig	chr7_106013297
chr2	43101398	43101398	+	6.351E-10	4.7659E-09	0.272155	hyper	sig	chr2_43101398
chr1	26410837	26410837	+	6.351E-10	4.7661E-09	0.226829	hyper	sig	chr1_26410837
chr6	28090937	28090937	+	6.351E-10	4.7661E-09	0.210328	hyper	sig	chr6_28090937
chr17	44657144	44657144	+	6.356E-10	4.7695E-09	0.221743	hyper	sig	chr17_44657144
chr9	1.36E+08	135699131	+	6.36E-10	4.772E-09	-0.24749	hypo	sig	chr9_135699131
chr5	64507088	64507088	+	6.367E-10	4.7775E-09	0.21757	hyper	sig	chr5_64507088
chr15	89361616	89361616	+	6.37E-10	4.7795E-09	0.220208	hyper	sig	chr15_89361616
chr3	42906677	42906677	+	6.376E-10	4.7838E-09	0.289063	hyper	sig	chr3_42906677
chr2	63048733	63048733	+	6.38E-10	4.7871E-09	0.206717	hyper	sig	chr2_63048733
chr17	65573295	65573295	+	6.382E-10	4.7885E-09	-0.34799	hypo	sig	chr17_65573295
chr1	2.05E+08	205058064	+	6.385E-10	4.7908E-09	-0.2213	hypo	sig	chr1_205058064
chr8	13130952	13130952	+	6.387E-10	4.7918E-09	0.229191	hyper	sig	chr8_13130952
chr6	1.7E+08	170110786	+	6.393E-10	4.7961E-09	-0.24685	hypo	sig	chr6_170110786
chr16	795767	795767	+	6.397E-10	4.7991E-09	-0.25615	hypo	sig	chr16_795767

chr2	27082480	27082480	+	6.404E-10	4.804E-09	0.207843	hyper	sig	chr2_27082480
chr20	52973191	52973191	+	6.405E-10	4.805E-09	0.292334	hyper	sig	chr20_52973191
chr10	42932992	42932992	+	6.407E-10	4.8059E-09	0.213403	hyper	sig	chr10_42932992
chr16	51113858	51113858	+	6.417E-10	4.8131E-09	0.251036	hyper	sig	chr16_51113858
chr14	99792855	99792855	+	6.421E-10	4.8162E-09	0.226835	hyper	sig	chr14_99792855
chr1	24965375	24965375	+	6.421E-10	4.8164E-09	-0.32532	hypo	sig	chr1_24965375
chr22	43880133	43880133	+	6.43E-10	4.8226E-09	-0.23551	hypo	sig	chr22_43880133
chr1	2.43E+08	242524976	+	6.43E-10	4.8229E-09	0.219593	hyper	sig	chr1_242524976
chr1	3195285	3195285	+	6.435E-10	4.826E-09	-0.20373	hypo	sig	chr1_3195285
chr14	1.03E+08	103102800	+	6.435E-10	4.8266E-09	0.209295	hyper	sig	chr14_103102800
chr1	1.1E+08	110151641	+	6.436E-10	4.8272E-09	0.238004	hyper	sig	chr1_110151641
chr13	83879782	83879782	+	6.438E-10	4.8288E-09	0.242574	hyper	sig	chr13_83879782
chr20	50588310	50588310	+	6.444E-10	4.8325E-09	-0.23245	hypo	sig	chr20_50588310
chr12	1.33E+08	132977144	+	6.444E-10	4.8325E-09	0.216846	hyper	sig	chr12_132977144
chr14	64541374	64541374	+	6.455E-10	4.8404E-09	0.212057	hyper	sig	chr14_64541374
chr16	89052686	89052686	+	6.459E-10	4.8434E-09	-0.2796	hypo	sig	chr16_89052686
chr8	57143313	57143313	+	6.459E-10	4.8439E-09	0.304269	hyper	sig	chr8_57143313
chr1	15741127	15741127	+	6.461E-10	4.8449E-09	-0.22427	hypo	sig	chr1_15741127
chr1	2.48E+08	247936614	+	6.462E-10	4.8459E-09	-0.22131	hypo	sig	chr1_247936614
chr10	1.01E+08	100737821	+	6.463E-10	4.8467E-09	0.204842	hyper	sig	chr10_100737821
chr16	3018013	3018013	+	6.465E-10	4.848E-09	0.210407	hyper	sig	chr16_3018013
chr19	44758458	44758458	+	6.468E-10	4.8497E-09	0.301978	hyper	sig	chr19_44758458
chr8	1.43E+08	142918270	+	6.476E-10	4.8552E-09	-0.25148	hypo	sig	chr8_142918270
chr7	119040	119040	+	6.478E-10	4.8566E-09	-0.25051	hypo	sig	chr7_119040
chr11	1.2E+08	120010880	+	6.48E-10	4.8583E-09	-0.24184	hypo	sig	chr11_120010880
chr10	1507752	1507752	+	6.486E-10	4.8624E-09	-0.2208	hypo	sig	chr10_1507752
chr7	182350	182350	+	6.486E-10	4.8625E-09	-0.25968	hypo	sig	chr7_182350
chr10	49614026	49614026	+	6.496E-10	4.8698E-09	0.200117	hyper	sig	chr10_49614026
chr15	74174693	74174693	+	6.499E-10	4.872E-09	0.218805	hyper	sig	chr15_74174693
chr16	55832645	55832645	+	6.501E-10	4.873E-09	0.217358	hyper	sig	chr16_55832645
chr17	79465449	79465449	+	6.503E-10	4.8744E-09	-0.22288	hypo	sig	chr17_79465449
chr16	88409677	88409677	+	6.503E-10	4.8748E-09	-0.25581	hypo	sig	chr16_88409677
chr11	2904828	2904828	+	6.511E-10	4.8803E-09	-0.20265	hypo	sig	chr11_2904828
chr11	1.3E+08	130473414	+	6.511E-10	4.8807E-09	-0.20638	hypo	sig	chr11_130473414
chr3	1.97E+08	196640761	+	6.513E-10	4.8822E-09	-0.21161	hypo	sig	chr3_196640761
chr10	1.18E+08	117551948	+	6.514E-10	4.8829E-09	0.207937	hyper	sig	chr10_117551948
chr3	47009977	47009977	+	6.516E-10	4.884E-09	0.315769	hyper	sig	chr3_47009977
chr19	52453823	52453823	+	6.522E-10	4.8885E-09	0.291057	hyper	sig	chr19_52453823
chr2	1.82E+08	181682587	+	6.533E-10	4.896E-09	0.319557	hyper	sig	chr2_181682587
chr11	1.16E+08	115653703	+	6.539E-10	4.9006E-09	-0.24197	hypo	sig	chr11_115653703
chr7	1.35E+08	135246725	+	6.542E-10	4.9023E-09	-0.23987	hypo	sig	chr7_135246725
chr15	88773260	88773260	+	6.547E-10	4.9057E-09	-0.20857	hypo	sig	chr15_88773260
chr13	1.1E+08	110438044	+	6.549E-10	4.9074E-09	-0.28636	hypo	sig	chr13_110438044
chr5	1399739	1399739	+	6.555E-10	4.9118E-09	-0.22045	hypo	sig	chr5_1399739
chr8	1.44E+08	144005868	+	6.556E-10	4.9127E-09	-0.22416	hypo	sig	chr8_144005868
chr2	63053447	63053447	+	6.559E-10	4.9148E-09	0.247441	hyper	sig	chr2_63053447
chr11	69089456	69089456	+	6.565E-10	4.9188E-09	0.202766	hyper	sig	chr11_69089456
chr13	42574310	42574310	+	6.568E-10	4.921E-09	0.292741	hyper	sig	chr13_42574310
chr19	40365750	40365750	+	6.57E-10	4.9224E-09	0.248452	hyper	sig	chr19_40365750
chr7	1.39E+08	138876144	+	6.576E-10	4.9267E-09	-0.23898	hypo	sig	chr7_138876144
chr12	1.32E+08	132271129	+	6.578E-10	4.9282E-09	-0.26079	hypo	sig	chr12_132271129
chr17	82440536	82440536	+	6.579E-10	4.9286E-09	-0.21496	hypo	sig	chr17_82440536
chr17	82242988	82242988	+	6.582E-10	4.931E-09	0.227264	hyper	sig	chr17_82242988
chr15	78757344	78757344	+	6.585E-10	4.9325E-09	-0.24171	hypo	sig	chr15_78757344
chr6	1625040	1625040	+	6.585E-10	4.933E-09	0.275606	hyper	sig	chr6_1625040
chr5	1.81E+08	180588452	+	6.592E-10	4.9375E-09	-0.23825	hypo	sig	chr5_180588452

chr7	27252024	27252024	+	6.592E-10	4.9375E-09	0.268132	hyper	sig	chr7_27252024
chr9	1.22E+08	122124797	+	6.599E-10	4.9428E-09	-0.29461	hypo	sig	chr9_122124797
chr13	1.11E+08	110812698	+	6.605E-10	4.9471E-09	0.345494	hyper	sig	chr13_110812698
chr2	38960681	38960681	+	6.606E-10	4.9476E-09	0.288494	hyper	sig	chr2_38960681
chr11	1.19E+08	119029021	+	6.615E-10	4.954E-09	-0.20066	hypo	sig	chr11_119029021
chr7	56060832	56060832	+	6.619E-10	4.9568E-09	-0.21577	hypo	sig	chr7_56060832
chr16	88951605	88951605	+	6.619E-10	4.9571E-09	-0.20652	hypo	sig	chr16_88951605
chr22	19937726	19937726	+	6.622E-10	4.959E-09	-0.21528	hypo	sig	chr22_19937726
chr9	1.37E+08	136657159	+	6.623E-10	4.9599E-09	-0.23509	hypo	sig	chr9_136657159
chr19	52493037	52493037	+	6.628E-10	4.9634E-09	0.257806	hyper	sig	chr19_52493037
chr1	1.19E+08	118999672	+	6.633E-10	4.9669E-09	0.23112	hyper	sig	chr1_118999672
chr16	31010246	31010246	+	6.644E-10	4.9745E-09	0.272495	hyper	sig	chr16_31010246
chr2	2.19E+08	219250543	+	6.645E-10	4.975E-09	-0.21827	hypo	sig	chr2_219250543
chr16	31569650	31569650	+	6.646E-10	4.9758E-09	0.202261	hyper	sig	chr16_31569650
chr15	37096297	37096297	+	6.647E-10	4.9762E-09	0.25812	hyper	sig	chr15_37096297
chr7	1065679	1065679	+	6.648E-10	4.977E-09	0.220313	hyper	sig	chr7_1065679
chr7	1.02E+08	101629204	+	6.649E-10	4.9778E-09	-0.22193	hypo	sig	chr7_101629204
chr15	27808234	27808234	+	6.649E-10	4.9781E-09	-0.2266	hypo	sig	chr15_27808234
chr11	65048190	65048190	+	6.651E-10	4.9793E-09	0.232857	hyper	sig	chr11_65048190
chr17	35515201	35515201	+	6.657E-10	4.9833E-09	0.229944	hyper	sig	chr17_35515201
chr1	26177234	26177234	+	6.658E-10	4.9844E-09	-0.2078	hypo	sig	chr1_26177234
chr6	26017334	26017334	+	6.658E-10	4.9844E-09	0.212075	hyper	sig	chr6_26017334
chr8	23707585	23707585	+	6.66E-10	4.9859E-09	0.207557	hyper	sig	chr8_23707585
chr5	1.4E+08	140146361	+	6.661E-10	4.9864E-09	0.288074	hyper	sig	chr5_140146361
chr13	67231018	67231018	+	6.662E-10	4.9868E-09	0.20557	hyper	sig	chr13_67231018
chr16	89176527	89176527	+	6.664E-10	4.9881E-09	-0.22866	hypo	sig	chr16_89176527
chr9	1.36E+08	136200644	+	6.666E-10	4.9896E-09	0.204566	hyper	sig	chr9_136200644
chr10	75408744	75408744	+	6.685E-10	5.0033E-09	0.28655	hyper	sig	chr10_75408744
chr2	1.13E+08	113235413	+	6.689E-10	5.0062E-09	-0.25076	hypo	sig	chr2_113235413
chr10	49612601	49612601	+	6.691E-10	5.0077E-09	0.217423	hyper	sig	chr10_49612601
chr10	70475889	70475889	+	6.692E-10	5.0088E-09	-0.23625	hypo	sig	chr10_70475889
chr8	1.44E+08	143733066	+	6.693E-10	5.0092E-09	-0.23676	hypo	sig	chr8_143733066
chr11	56700468	56700468	+	6.705E-10	5.0182E-09	-0.20623	hypo	sig	chr11_56700468
chr6	84774042	84774042	+	6.706E-10	5.0189E-09	0.224349	hyper	sig	chr6_84774042
chr7	5527872	5527872	+	6.713E-10	5.024E-09	0.223428	hyper	sig	chr7_5527872
chr5	45696311	45696311	+	6.72E-10	5.0285E-09	0.225425	hyper	sig	chr5_45696311
chr2	1.76E+08	176068660	+	6.727E-10	5.0339E-09	0.214532	hyper	sig	chr2_176068660
chr13	1.14E+08	114015435	+	6.728E-10	5.0349E-09	-0.2214	hypo	sig	chr13_114015435
chr19	55156949	55156949	+	6.729E-10	5.035E-09	0.24284	hyper	sig	chr19_55156949
chr16	1531224	1531224	+	6.729E-10	5.0352E-09	0.310145	hyper	sig	chr16_1531224
chr17	18421707	18421707	+	6.73E-10	5.0357E-09	-0.22655	hypo	sig	chr17_18421707
chr16	73047010	73047010	+	6.731E-10	5.0365E-09	0.212759	hyper	sig	chr16_73047010
chr6	90610593	90610593	+	6.732E-10	5.0374E-09	0.258813	hyper	sig	chr6_90610593
chr3	1.38E+08	137771368	+	6.738E-10	5.0415E-09	0.201908	hyper	sig	chr3_137771368
chr19	35944800	35944800	+	6.74E-10	5.0429E-09	0.20199	hyper	sig	chr19_35944800
chr16	55327779	55327779	+	6.744E-10	5.0461E-09	0.259079	hyper	sig	chr16_55327779
chr16	1088301	1088301	+	6.748E-10	5.0488E-09	-0.22351	hypo	sig	chr16_1088301
chr14	1.01E+08	101069197	+	6.75E-10	5.0502E-09	-0.26291	hypo	sig	chr14_101069197
chr2	2.41E+08	240580226	+	6.752E-10	5.0514E-09	-0.22336	hypo	sig	chr2_240580226
chr7	1.27E+08	126806444	+	6.756E-10	5.0541E-09	-0.2436	hypo	sig	chr7_126806444
chr8	1.42E+08	142448509	+	6.757E-10	5.0551E-09	-0.23219	hypo	sig	chr8_142448509
chr19	6113918	6113918	+	6.772E-10	5.0657E-09	-0.27114	hypo	sig	chr19_6113918
chr20	49567564	49567564	+	6.772E-10	5.0658E-09	0.225055	hyper	sig	chr20_49567564
chr22	35542296	35542296	+	6.774E-10	5.0674E-09	0.276585	hyper	sig	chr22_35542296
chr16	58511598	58511598	+	6.779E-10	5.0708E-09	-0.22283	hypo	sig	chr16_58511598
chr5	6572908	6572908	+	6.782E-10	5.0726E-09	-0.20157	hypo	sig	chr5_6572908

chr17	45229255	45229255	+	6.783E-10	5.0733E-09	-0.20177	hypo	sig	chr17_45229255
chr19	4237236	4237236	+	6.785E-10	5.0749E-09	-0.20293	hypo	sig	chr19_4237236
chr7	1.55E+08	155071116	+	6.787E-10	5.0762E-09	0.215366	hyper	sig	chr7_155071116
chr16	1010545	1010545	+	6.796E-10	5.0829E-09	0.218127	hyper	sig	chr16_1010545
chr11	2147344	2147344	+	6.798E-10	5.0845E-09	-0.27067	hypo	sig	chr11_2147344
chr4	7591666	7591666	+	6.8E-10	5.0858E-09	-0.23603	hypo	sig	chr4_7591666
chr4	1.35E+08	134952955	+	6.801E-10	5.0862E-09	-0.23472	hypo	sig	chr4_134952955
chr1	2327830	2327830	+	6.805E-10	5.089E-09	-0.24713	hypo	sig	chr1_2327830
chr19	30451034	30451034	+	6.805E-10	5.0892E-09	0.223059	hyper	sig	chr19_30451034
chr13	26051112	26051112	+	6.811E-10	5.0939E-09	0.22612	hyper	sig	chr13_26051112
chr17	36940616	36940616	+	6.819E-10	5.0993E-09	0.200125	hyper	sig	chr17_36940616
chr3	1.14E+08	114239061	+	6.829E-10	5.1064E-09	-0.20727	hypo	sig	chr3_114239061
chr5	79069802	79069802	+	6.831E-10	5.1082E-09	0.253651	hyper	sig	chr5_79069802
chr12	42482326	42482326	+	6.832E-10	5.1086E-09	0.203831	hyper	sig	chr12_42482326
chr1	2.01E+08	201014231	+	6.841E-10	5.1153E-09	0.218542	hyper	sig	chr1_201014231
chr12	3491675	3491675	+	6.845E-10	5.1177E-09	0.323951	hyper	sig	chr12_3491675
chr19	55313197	55313197	+	6.845E-10	5.1178E-09	0.267234	hyper	sig	chr19_55313197
chr19	4369319	4369319	+	6.847E-10	5.1196E-09	-0.27343	hypo	sig	chr19_4369319
chr5	1.54E+08	154474196	+	6.848E-10	5.1202E-09	0.222915	hyper	sig	chr5_154474196
chr22	46375248	46375248	+	6.849E-10	5.1209E-09	-0.25647	hypo	sig	chr22_46375248
chr2	27715366	27715366	+	6.852E-10	5.1228E-09	0.243981	hyper	sig	chr2_27715366
chr20	4761804	4761804	+	6.857E-10	5.1266E-09	-0.23781	hypo	sig	chr20_4761804
chr19	33683713	33683713	+	6.865E-10	5.1321E-09	-0.20037	hypo	sig	chr19_33683713
chr19	750564	750564	+	6.873E-10	5.1379E-09	-0.25333	hypo	sig	chr19_750564
chr10	1.01E+08	101140652	+	6.874E-10	5.1386E-09	0.271389	hyper	sig	chr10_101140652
chr13	35470749	35470749	+	6.874E-10	5.1386E-09	0.205922	hyper	sig	chr13_35470749
chr2	27381129	27381129	+	6.878E-10	5.1413E-09	0.248332	hyper	sig	chr2_27381129
chr1	25573685	25573685	+	6.883E-10	5.145E-09	-0.24605	hypo	sig	chr1_25573685
chr20	61885139	61885139	+	6.884E-10	5.1455E-09	-0.23409	hypo	sig	chr20_61885139
chr10	1.02E+08	102433632	+	6.887E-10	5.1476E-09	-0.23465	hypo	sig	chr10_102433632
chr15	48191913	48191913	+	6.888E-10	5.1485E-09	0.200854	hyper	sig	chr15_48191913
chr8	1.44E+08	144435936	+	6.889E-10	5.1494E-09	0.218623	hyper	sig	chr8_144435936
chr11	20600050	20600050	+	6.891E-10	5.1503E-09	0.247312	hyper	sig	chr11_20600050
chr19	56765266	56765266	+	6.898E-10	5.1557E-09	0.226341	hyper	sig	chr19_56765266
chr5	1.41E+08	140848765	+	6.9E-10	5.1575E-09	0.224828	hyper	sig	chr5_140848765
chr21	42314368	42314368	+	6.902E-10	5.1585E-09	-0.27078	hypo	sig	chr21_42314368
chr1	2.03E+08	203272779	+	6.905E-10	5.161E-09	-0.26665	hypo	sig	chr1_203272779
chr14	1.01E+08	100693094	+	6.908E-10	5.1627E-09	-0.25155	hypo	sig	chr14_100693094
chr11	1207639	1207639	+	6.91E-10	5.1644E-09	-0.25624	hypo	sig	chr11_1207639
chr2	3595001	3595001	+	6.913E-10	5.1666E-09	0.234586	hyper	sig	chr2_3595001
chr12	1.32E+08	132404166	+	6.917E-10	5.1692E-09	-0.24666	hypo	sig	chr12_132404166
chr7	27114223	27114223	+	6.918E-10	5.1696E-09	0.217908	hyper	sig	chr7_27114223
chr8	1451889	1451889	+	6.923E-10	5.1731E-09	-0.24371	hypo	sig	chr8_1451889
chr20	63352443	63352443	+	6.932E-10	5.18E-09	0.229094	hyper	sig	chr20_63352443
chr7	1620114	1620114	+	6.935E-10	5.182E-09	-0.20543	hypo	sig	chr7_1620114
chr2	1.76E+08	176149718	+	6.936E-10	5.1829E-09	-0.22166	hypo	sig	chr2_176149718
chr1	2.18E+08	218346983	+	6.937E-10	5.1837E-09	0.207873	hyper	sig	chr1_218346983
chr15	27862091	27862091	+	6.943E-10	5.1876E-09	-0.20532	hypo	sig	chr15_27862091
chr19	841137	841137	+	6.943E-10	5.188E-09	-0.21668	hypo	sig	chr19_841137
chr1	1.19E+08	118985846	+	6.948E-10	5.1911E-09	0.20962	hyper	sig	chr1_118985846
chr2	2.4E+08	239746071	+	6.951E-10	5.1932E-09	-0.20962	hypo	sig	chr2_239746071
chr7	120659	120659	+	6.953E-10	5.1948E-09	-0.23667	hypo	sig	chr7_120659
chr11	61956960	61956960	+	6.955E-10	5.1961E-09	-0.2051	hypo	sig	chr11_61956960
chr16	57528843	57528843	+	6.955E-10	5.1963E-09	-0.23514	hypo	sig	chr16_57528843
chr19	48747171	48747171	+	6.968E-10	5.2056E-09	0.264747	hyper	sig	chr19_48747171
chr6	30453312	30453312	+	6.97E-10	5.2068E-09	0.220249	hyper	sig	chr6_30453312

chr16	86508059	86508059	+	6.976E-10	5.2115E-09	0.20725	hyper	sig	chr16_86508059
chr11	64053974	64053974	+	6.977E-10	5.2117E-09	0.203372	hyper	sig	chr11_64053974
chr9	1.37E+08	137279023	+	6.979E-10	5.2133E-09	0.217951	hyper	sig	chr9_137279023
chr3	57007308	57007308	+	6.987E-10	5.2192E-09	-0.24453	hypo	sig	chr3_57007308
chr1	2.02E+08	202203874	+	7.004E-10	5.231E-09	-0.32057	hypo	sig	chr1_202203874
chr9	91157112	91157112	+	7.005E-10	5.2317E-09	-0.22719	hypo	sig	chr9_91157112
chr10	79221423	79221423	+	7.013E-10	5.2375E-09	0.281887	hyper	sig	chr10_79221423
chr9	1.21E+08	121267594	+	7.022E-10	5.2437E-09	0.20839	hyper	sig	chr9_121267594
chr20	25148129	25148129	+	7.025E-10	5.2463E-09	0.222216	hyper	sig	chr20_25148129
chr17	2052187	2052187	+	7.025E-10	5.2465E-09	-0.20883	hypo	sig	chr17_2052187
chr22	43210137	43210137	+	7.027E-10	5.2478E-09	-0.21411	hypo	sig	chr22_43210137
chr14	93906432	93906432	+	7.032E-10	5.2515E-09	-0.22478	hypo	sig	chr14_93906432
chr17	21512401	21512401	+	7.033E-10	5.2523E-09	-0.29028	hypo	sig	chr17_21512401
chr3	10991560	10991560	+	7.037E-10	5.2547E-09	-0.30558	hypo	sig	chr3_10991560
chr16	14979252	14979252	+	7.038E-10	5.2552E-09	-0.20674	hypo	sig	chr16_14979252
chr22	18157661	18157661	+	7.047E-10	5.2623E-09	0.227184	hyper	sig	chr22_18157661
chr10	68232090	68232090	+	7.048E-10	5.263E-09	0.307817	hyper	sig	chr10_68232090
chr11	2807428	2807428	+	7.049E-10	5.2634E-09	0.229914	hyper	sig	chr11_2807428
chr16	4264245	4264245	+	7.051E-10	5.2647E-09	0.205554	hyper	sig	chr16_4264245
chr17	77409864	77409864	+	7.061E-10	5.272E-09	0.267361	hyper	sig	chr17_77409864
chr5	270364	270364	+	7.062E-10	5.273E-09	-0.24732	hypo	sig	chr5_270364
chr11	70826260	70826260	+	7.065E-10	5.2744E-09	0.218441	hyper	sig	chr11_70826260
chr8	22704889	22704889	+	7.066E-10	5.2758E-09	0.226632	hyper	sig	chr8_22704889
chr1	11692392	11692392	+	7.079E-10	5.2849E-09	0.210349	hyper	sig	chr1_11692392
chr3	38028904	38028904	+	7.084E-10	5.2887E-09	0.204384	hyper	sig	chr3_38028904
chr6	33165166	33165166	+	7.087E-10	5.2902E-09	-0.20107	hypo	sig	chr6_33165166
chr17	334154	334154	+	7.088E-10	5.2912E-09	0.222237	hyper	sig	chr17_334154
chr20	64106706	64106706	+	7.095E-10	5.2959E-09	-0.23508	hypo	sig	chr20_64106706
chr19	3966823	3966823	+	7.099E-10	5.2993E-09	-0.20598	hypo	sig	chr19_3966823
chr22	46614607	46614607	+	7.102E-10	5.3009E-09	-0.21061	hypo	sig	chr22_46614607
chr16	1258102	1258102	+	7.119E-10	5.3131E-09	-0.22503	hypo	sig	chr16_1258102
chr7	1.57E+08	157003198	+	7.123E-10	5.3158E-09	0.238009	hyper	sig	chr7_157003198
chr1	1.5E+08	150151502	+	7.124E-10	5.3166E-09	0.235191	hyper	sig	chr1_150151502
chr5	1.41E+08	141123378	+	7.133E-10	5.3228E-09	0.250273	hyper	sig	chr5_141123378
chr17	77541235	77541235	+	7.133E-10	5.3229E-09	-0.23902	hypo	sig	chr17_77541235
chr7	1.55E+08	155071054	+	7.136E-10	5.3252E-09	0.212673	hyper	sig	chr7_155071054
chr1	2.34E+08	234356748	+	7.136E-10	5.3256E-09	-0.20868	hypo	sig	chr1_234356748
chr2	5728844	5728844	+	7.149E-10	5.3349E-09	-0.22833	hypo	sig	chr2_5728844
chr6	32761728	32761728	+	7.155E-10	5.3392E-09	0.236275	hyper	sig	chr6_32761728
chr9	35563836	35563836	+	7.162E-10	5.3442E-09	0.246292	hyper	sig	chr9_35563836
chr17	82345534	82345534	+	7.176E-10	5.3542E-09	0.208647	hyper	sig	chr17_82345534
chr5	1.72E+08	171667790	+	7.183E-10	5.3594E-09	0.224412	hyper	sig	chr5_171667790
chr14	1E+08	100193515	+	7.183E-10	5.3596E-09	-0.36346	hypo	sig	chr14_100193515
chr20	62476222	62476222	+	7.185E-10	5.3608E-09	0.216229	hyper	sig	chr20_62476222
chr12	53987281	53987281	+	7.187E-10	5.3619E-09	0.225212	hyper	sig	chr12_53987281
chr14	23361765	23361765	+	7.191E-10	5.365E-09	-0.21001	hypo	sig	chr14_23361765
chr9	1.32E+08	131554500	+	7.206E-10	5.3758E-09	0.204407	hyper	sig	chr9_131554500
chr19	11361585	11361585	+	7.207E-10	5.3768E-09	-0.23897	hypo	sig	chr19_11361585
chr16	268822	268822	+	7.211E-10	5.3795E-09	-0.20837	hypo	sig	chr16_268822
chr9	1.35E+08	134809489	+	7.236E-10	5.3977E-09	-0.20116	hypo	sig	chr9_134809489
chr12	53973168	53973168	+	7.24E-10	5.4E-09	0.250488	hyper	sig	chr12_53973168
chr17	15917776	15917776	+	7.24E-10	5.4001E-09	0.292113	hyper	sig	chr17_15917776
chr8	32647689	32647689	+	7.24E-10	5.4004E-09	-0.23871	hypo	sig	chr8_32647689
chr4	9381048	9381048	+	7.251E-10	5.4083E-09	-0.21397	hypo	sig	chr4_9381048
chr1	2433898	2433898	+	7.252E-10	5.4086E-09	-0.20216	hypo	sig	chr1_2433898
chr1	3413570	3413570	+	7.254E-10	5.4102E-09	-0.22787	hypo	sig	chr1_3413570

chr16	85199564	85199564	+	7.263E-10	5.4162E-09	0.218742	hyper	sig	chr16_85199564
chr11	2302229	2302229	+	7.266E-10	5.4186E-09	-0.21335	hypo	sig	chr11_2302229
chr16	58511595	58511595	+	7.271E-10	5.4222E-09	-0.20448	hypo	sig	chr16_58511595
chr10	1.25E+08	125024380	+	7.273E-10	5.4238E-09	0.208076	hyper	sig	chr10_125024380
chr18	32769148	32769148	+	7.274E-10	5.4243E-09	-0.20867	hypo	sig	chr18_32769148
chr8	1.28E+08	127899520	+	7.275E-10	5.425E-09	-0.20349	hypo	sig	chr8_127899520
chr17	4433907	4433907	+	7.279E-10	5.4279E-09	-0.23108	hypo	sig	chr17_4433907
chr5	1.41E+08	141156087	+	7.28E-10	5.4286E-09	0.253863	hyper	sig	chr5_141156087
chr7	1.51E+08	151410782	+	7.282E-10	5.4301E-09	0.250168	hyper	sig	chr7_151410782
chr8	22557005	22557005	+	7.284E-10	5.4317E-09	-0.29412	hypo	sig	chr8_22557005
chr12	1.33E+08	132977103	+	7.296E-10	5.44E-09	0.211169	hyper	sig	chr12_132977103
chr14	1.05E+08	105478379	+	7.299E-10	5.4422E-09	-0.20376	hypo	sig	chr14_105478379
chr19	7924803	7924803	+	7.307E-10	5.4483E-09	0.268675	hyper	sig	chr19_7924803
chr3	10992165	10992165	+	7.316E-10	5.4549E-09	0.28999	hyper	sig	chr3_10992165
chr17	75874414	75874414	+	7.318E-10	5.4559E-09	0.200471	hyper	sig	chr17_75874414
chr11	48880362	48880362	+	7.324E-10	5.4603E-09	-0.24415	hypo	sig	chr11_48880362
chr17	77400331	77400331	+	7.343E-10	5.4741E-09	0.20916	hyper	sig	chr17_77400331
chr16	89608152	89608152	+	7.345E-10	5.4749E-09	-0.21083	hypo	sig	chr16_89608152
chr13	1.13E+08	112874437	+	7.346E-10	5.4759E-09	0.203025	hyper	sig	chr13_112874437
chr7	5303495	5303495	+	7.346E-10	5.4761E-09	-0.28112	hypo	sig	chr7_5303495
chr12	14321265	14321265	+	7.351E-10	5.4796E-09	0.206251	hyper	sig	chr12_14321265
chr7	1524063	1524063	+	7.352E-10	5.4801E-09	-0.21269	hypo	sig	chr7_1524063
chr11	47595794	47595794	+	7.359E-10	5.4852E-09	-0.23917	hypo	sig	chr11_47595794
chr2	3595158	3595158	+	7.361E-10	5.4862E-09	0.228774	hyper	sig	chr2_3595158
chr15	1.01E+08	100880521	+	7.364E-10	5.4886E-09	0.218216	hyper	sig	chr15_100880521
chr6	34059159	34059159	+	7.364E-10	5.4886E-09	-0.21228	hypo	sig	chr6_34059159
chr20	22569558	22569558	+	7.372E-10	5.4944E-09	0.205138	hyper	sig	chr20_22569558
chr7	4214654	4214654	+	7.375E-10	5.4964E-09	-0.23455	hypo	sig	chr7_4214654
chr12	1.2E+08	120361871	+	7.38E-10	5.4998E-09	0.203615	hyper	sig	chr12_120361871
chr20	35174742	35174742	+	7.381E-10	5.5007E-09	-0.21175	hypo	sig	chr20_35174742
chr19	3369485	3369485	+	7.39E-10	5.5073E-09	0.254812	hyper	sig	chr19_3369485
chr19	4648327	4648327	+	7.394E-10	5.5098E-09	0.23583	hyper	sig	chr19_4648327
chr3	1.25E+08	125141860	+	7.395E-10	5.5107E-09	0.259993	hyper	sig	chr3_125141860
chr20	45097790	45097790	+	7.396E-10	5.5114E-09	0.210543	hyper	sig	chr20_45097790
chr5	1119593	1119593	+	7.398E-10	5.5128E-09	-0.22775	hypo	sig	chr5_1119593
chr16	51154476	51154476	+	7.399E-10	5.5137E-09	0.242106	hyper	sig	chr16_51154476
chr19	51335195	51335195	+	7.407E-10	5.5189E-09	-0.23826	hypo	sig	chr19_51335195
chr13	1.14E+08	114015400	+	7.408E-10	5.5198E-09	-0.21203	hypo	sig	chr13_114015400
chr7	1.22E+08	122307428	+	7.41E-10	5.5216E-09	0.232091	hyper	sig	chr7_122307428
chr16	73063120	73063120	+	7.423E-10	5.5309E-09	-0.21575	hypo	sig	chr16_73063120
chr12	1812863	1812863	+	7.434E-10	5.5384E-09	-0.28588	hypo	sig	chr12_1812863
chr2	3779053	3779053	+	7.436E-10	5.5399E-09	-0.22306	hypo	sig	chr2_3779053
chr1	21817040	21817040	+	7.437E-10	5.5403E-09	-0.26688	hypo	sig	chr1_21817040
chr16	1135398	1135398	+	7.439E-10	5.5419E-09	-0.21855	hypo	sig	chr16_1135398
chr3	1.96E+08	195851467	+	7.439E-10	5.5419E-09	-0.20778	hypo	sig	chr3_195851467
chr7	27145234	27145234	+	7.442E-10	5.5439E-09	0.214674	hyper	sig	chr7_27145234
chr1	2356966	2356966	+	7.454E-10	5.5528E-09	-0.20225	hypo	sig	chr1_2356966
chr16	31224503	31224503	+	7.455E-10	5.5535E-09	0.216833	hyper	sig	chr16_31224503
chr20	35602312	35602312	+	7.458E-10	5.5557E-09	0.220987	hyper	sig	chr20_35602312
chr12	53205989	53205989	+	7.46E-10	5.5568E-09	-0.22278	hypo	sig	chr12_53205989
chr19	44904864	44904864	+	7.469E-10	5.5636E-09	-0.21154	hypo	sig	chr19_44904864
chr22	45867795	45867795	+	7.47E-10	5.5639E-09	0.240249	hyper	sig	chr22_45867795
chr1	27564905	27564905	+	7.472E-10	5.5655E-09	0.251453	hyper	sig	chr1_27564905
chr17	81255605	81255605	+	7.473E-10	5.5664E-09	0.21524	hyper	sig	chr17_81255605
chr5	17057410	17057410	+	7.475E-10	5.5674E-09	-0.2205	hypo	sig	chr5_17057410
chr14	60506764	60506764	+	7.478E-10	5.5697E-09	0.201762	hyper	sig	chr14_60506764

chr5	1.41E+08	140884409	+	7.479E-10	5.5702E-09	0.216397	hyper	sig	chr5_140884409
chr3	1.34E+08	133784108	+	7.48E-10	5.5715E-09	0.218461	hyper	sig	chr3_133784108
chr7	2679480	2679480	+	7.486E-10	5.5754E-09	-0.29361	hypo	sig	chr7_2679480
chr5	88689431	88689431	+	7.486E-10	5.5755E-09	0.255621	hyper	sig	chr5_88689431
chr14	1.01E+08	101021160	+	7.487E-10	5.5759E-09	-0.25858	hypo	sig	chr14_101021160
chr17	5116374	5116374	+	7.494E-10	5.5813E-09	0.257301	hyper	sig	chr17_5116374
chr12	62191446	62191446	+	7.499E-10	5.5849E-09	0.240853	hyper	sig	chr12_62191446
chr10	1199518	1199518	+	7.512E-10	5.5941E-09	-0.23437	hypo	sig	chr10_1199518
chr5	1.41E+08	141431404	+	7.513E-10	5.5944E-09	0.222433	hyper	sig	chr5_141431404
chr2	2.2E+08	219513182	+	7.517E-10	5.5976E-09	-0.25301	hypo	sig	chr2_219513182
chr7	1.35E+08	134891651	+	7.517E-10	5.5976E-09	0.241841	hyper	sig	chr7_134891651
chr11	6415234	6415234	+	7.52E-10	5.5995E-09	-0.28454	hypo	sig	chr11_6415234
chr2	2.19E+08	219331790	+	7.523E-10	5.6014E-09	0.236238	hyper	sig	chr2_219331790
chr11	64972149	64972149	+	7.527E-10	5.604E-09	0.287173	hyper	sig	chr11_64972149
chr10	1.33E+08	132916754	+	7.527E-10	5.6042E-09	-0.21857	hypo	sig	chr10_132916754
chr6	30986825	30986825	+	7.528E-10	5.6051E-09	-0.23301	hypo	sig	chr6_30986825
chr4	54101258	54101258	+	7.529E-10	5.6057E-09	0.216766	hyper	sig	chr4_54101258
chr6	1.68E+08	167975489	+	7.529E-10	5.6057E-09	-0.20446	hypo	sig	chr6_167975489
chr1	2207551	2207551	+	7.53E-10	5.606E-09	0.258864	hyper	sig	chr1_2207551
chr19	58118369	58118369	+	7.532E-10	5.6074E-09	0.218909	hyper	sig	chr19_58118369
chr7	1.51E+08	151014104	+	7.539E-10	5.6126E-09	0.236902	hyper	sig	chr7_151014104
chr6	32096568	32096568	+	7.544E-10	5.6165E-09	0.205038	hyper	sig	chr6_32096568
chr12	85279443	85279443	+	7.546E-10	5.6178E-09	0.260066	hyper	sig	chr12_85279443
chr11	1748308	1748308	+	7.548E-10	5.6193E-09	0.226477	hyper	sig	chr11_1748308
chr8	1.43E+08	143285222	+	7.553E-10	5.6228E-09	-0.23484	hypo	sig	chr8_143285222
chr8	2023541	2023541	+	7.56E-10	5.6278E-09	-0.23843	hypo	sig	chr8_2023541
chr10	1.3E+08	129888119	+	7.56E-10	5.6279E-09	-0.20262	hypo	sig	chr10_129888119
chr16	3029876	3029876	+	7.561E-10	5.6281E-09	0.20369	hyper	sig	chr16_3029876
chr12	1.08E+08	108357692	+	7.561E-10	5.6285E-09	-0.21651	hypo	sig	chr12_108357692
chr7	34321324	34321324	+	7.566E-10	5.6317E-09	0.215714	hyper	sig	chr7_34321324
chr5	1.41E+08	140843511	+	7.57E-10	5.6348E-09	0.205229	hyper	sig	chr5_140843511
chr2	2.38E+08	238131329	+	7.573E-10	5.6365E-09	-0.20112	hypo	sig	chr2_238131329
chr10	1.33E+08	132817138	+	7.577E-10	5.6394E-09	-0.21155	hypo	sig	chr10_132817138
chr10	1.33E+08	133020554	+	7.579E-10	5.6408E-09	-0.21809	hypo	sig	chr10_133020554
chr11	2410103	2410103	+	7.583E-10	5.6437E-09	0.263016	hyper	sig	chr11_2410103
chr22	31098762	31098762	+	7.595E-10	5.6519E-09	0.253741	hyper	sig	chr22_31098762
chr10	1.2E+08	119818849	+	7.596E-10	5.6532E-09	0.239977	hyper	sig	chr10_119818849
chr2	1.35E+08	134717906	+	7.599E-10	5.6552E-09	0.252079	hyper	sig	chr2_134717906
chr19	35902503	35902503	+	7.612E-10	5.6641E-09	-0.28229	hypo	sig	chr19_35902503
chr2	60586236	60586236	+	7.614E-10	5.666E-09	-0.27961	hypo	sig	chr2_60586236
chr19	49436805	49436805	+	7.618E-10	5.6684E-09	0.200639	hyper	sig	chr19_49436805
chr14	73785223	73785223	+	7.62E-10	5.6698E-09	0.209586	hyper	sig	chr14_73785223
chr6	1.08E+08	108174729	+	7.621E-10	5.6708E-09	0.217404	hyper	sig	chr6_108174729
chr11	68009101	68009101	+	7.622E-10	5.6714E-09	-0.2406	hypo	sig	chr11_68009101
chr3	1.34E+08	134408761	+	7.625E-10	5.6734E-09	-0.22842	hypo	sig	chr3_134408761
chr17	8063862	8063862	+	7.637E-10	5.6819E-09	0.203923	hyper	sig	chr17_8063862
chr18	78976785	78976785	+	7.647E-10	5.6893E-09	0.202283	hyper	sig	chr18_78976785
chr2	1.75E+08	174678506	+	7.654E-10	5.6944E-09	-0.20173	hypo	sig	chr2_174678506
chr2	2.41E+08	240672682	+	7.657E-10	5.696E-09	0.215459	hyper	sig	chr2_240672682
chr22	50089814	50089814	+	7.66E-10	5.6987E-09	0.227486	hyper	sig	chr22_50089814
chr12	1.27E+08	127455598	+	7.665E-10	5.7022E-09	0.2471	hyper	sig	chr12_127455598
chr5	1.41E+08	141427627	+	7.681E-10	5.7138E-09	0.214105	hyper	sig	chr5_141427627
chr1	1.44E+08	143661945	+	7.683E-10	5.7147E-09	0.223401	hyper	sig	chr1_143661945
chr10	1.01E+08	100829858	+	7.683E-10	5.7148E-09	0.268685	hyper	sig	chr10_100829858
chr1	16226972	16226972	+	7.687E-10	5.7176E-09	0.212253	hyper	sig	chr1_16226972
chr11	68980956	68980956	+	7.687E-10	5.7179E-09	-0.24208	hypo	sig	chr11_68980956

chr13	1.12E+08	112058477	+	7.693E-10	5.7221E-09	0.233539	hyper	sig	chr13_112058477
chr4	1.77E+08	176792230	+	7.7E-10	5.7267E-09	0.221565	hyper	sig	chr4_176792230
chr10	92420728	92420728	+	7.705E-10	5.7305E-09	0.232325	hyper	sig	chr10_92420728
chr17	74539625	74539625	+	7.707E-10	5.7322E-09	-0.21548	hypo	sig	chr17_74539625
chr5	1.41E+08	141094741	+	7.714E-10	5.7369E-09	0.243661	hyper	sig	chr5_141094741
chr5	45695365	45695365	+	7.715E-10	5.7372E-09	0.224661	hyper	sig	chr5_45695365
chr9	1.22E+08	121698752	+	7.716E-10	5.7383E-09	0.237939	hyper	sig	chr9_121698752
chr17	78316436	78316436	+	7.727E-10	5.746E-09	-0.22976	hypo	sig	chr17_78316436
chr16	16224128	16224128	+	7.729E-10	5.7473E-09	-0.26128	hypo	sig	chr16_16224128
chr1	1.21E+08	121009700	+	7.729E-10	5.7473E-09	0.202566	hyper	sig	chr1_121009700
chr10	92695773	92695773	+	7.741E-10	5.756E-09	0.282581	hyper	sig	chr10_92695773
chr11	22192732	22192732	+	7.761E-10	5.7701E-09	0.221795	hyper	sig	chr11_22192732
chr19	15010573	15010573	+	7.762E-10	5.771E-09	0.21932	hyper	sig	chr19_15010573
chr12	1.31E+08	130711773	+	7.763E-10	5.7718E-09	-0.2704	hypo	sig	chr12_130711773
chr11	72013731	72013731	+	7.77E-10	5.7763E-09	0.281366	hyper	sig	chr11_72013731
chr12	63151003	63151003	+	7.771E-10	5.7772E-09	0.334412	hyper	sig	chr12_63151003
chr5	1.41E+08	140823005	+	7.773E-10	5.7783E-09	0.205226	hyper	sig	chr5_140823005
chr18	23574373	23574373	+	7.777E-10	5.7818E-09	-0.21307	hypo	sig	chr18_23574373
chr11	1.23E+08	123137755	+	7.788E-10	5.7896E-09	0.206973	hyper	sig	chr11_123137755
chr1	15727208	15727208	+	7.799E-10	5.7971E-09	0.250119	hyper	sig	chr1_15727208
chr15	89409155	89409155	+	7.818E-10	5.8107E-09	0.241794	hyper	sig	chr15_89409155
chr7	1.57E+08	157004747	+	7.821E-10	5.8127E-09	0.214416	hyper	sig	chr7_157004747
chr5	1.41E+08	141102032	+	7.834E-10	5.8221E-09	0.228944	hyper	sig	chr5_141102032
chr10	26438244	26438244	+	7.846E-10	5.8307E-09	0.21551	hyper	sig	chr10_26438244
chr6	30451835	30451835	+	7.846E-10	5.8311E-09	0.232044	hyper	sig	chr6_30451835
chr22	36506614	36506614	+	7.85E-10	5.8335E-09	-0.24476	hypo	sig	chr22_36506614
chr8	1.41E+08	141440131	+	7.85E-10	5.8335E-09	-0.21549	hypo	sig	chr8_141440131
chr1	1.65E+08	165355683	+	7.851E-10	5.8341E-09	0.226508	hyper	sig	chr1_165355683
chr3	1.3E+08	130264338	+	7.853E-10	5.8361E-09	-0.23637	hypo	sig	chr3_130264338
chr9	1.01E+08	101026904	+	7.856E-10	5.8381E-09	-0.20733	hypo	sig	chr9_101026904
chr20	32278698	32278698	+	7.858E-10	5.8394E-09	-0.21159	hypo	sig	chr20_32278698
chr19	10636489	10636489	+	7.858E-10	5.8395E-09	0.207576	hyper	sig	chr19_10636489
chr3	1.29E+08	129046509	+	7.877E-10	5.8528E-09	0.210314	hyper	sig	chr3_129046509
chr14	1.01E+08	100826615	+	7.877E-10	5.8532E-09	0.245945	hyper	sig	chr14_100826615
chr7	42228111	42228111	+	7.879E-10	5.8545E-09	0.219328	hyper	sig	chr7_42228111
chr1	877937	877937	+	7.884E-10	5.8578E-09	-0.20575	hypo	sig	chr1_877937
chr6	10417166	10417166	+	7.891E-10	5.8629E-09	0.241392	hyper	sig	chr6_10417166
chr11	78196197	78196197	+	7.892E-10	5.8636E-09	0.201114	hyper	sig	chr11_78196197
chr19	851588	851588	+	7.898E-10	5.8679E-09	-0.25086	hypo	sig	chr19_851588
chr8	1.44E+08	144475396	+	7.898E-10	5.8681E-09	0.204452	hyper	sig	chr8_144475396
chr7	1.5E+08	149765791	+	7.9E-10	5.8693E-09	0.236664	hyper	sig	chr7_149765791
chr11	65471672	65471672	+	7.913E-10	5.8785E-09	0.229469	hyper	sig	chr11_65471672
chr16	3029803	3029803	+	7.916E-10	5.8807E-09	0.209398	hyper	sig	chr16_3029803
chr7	1.44E+08	143511574	+	7.918E-10	5.8818E-09	0.273002	hyper	sig	chr7_143511574
chr8	1.44E+08	144357268	+	7.922E-10	5.8847E-09	-0.26552	hypo	sig	chr8_144357268
chr5	1.41E+08	141431423	+	7.925E-10	5.8865E-09	0.243826	hyper	sig	chr5_141431423
chr19	1290563	1290563	+	7.926E-10	5.8879E-09	-0.20464	hypo	sig	chr19_1290563
chr14	20623224	20623224	+	7.928E-10	5.8888E-09	0.31997	hyper	sig	chr14_20623224
chr17	79945121	79945121	+	7.928E-10	5.8892E-09	0.236443	hyper	sig	chr17_79945121
chr2	2.41E+08	241049878	+	7.928E-10	5.8892E-09	0.230833	hyper	sig	chr2_241049878
chr18	45825589	45825589	+	7.93E-10	5.8904E-09	-0.20212	hypo	sig	chr18_45825589
chr2	1.13E+08	113499235	+	7.94E-10	5.8976E-09	0.245565	hyper	sig	chr2_113499235
chr8	37493465	37493465	+	7.951E-10	5.9051E-09	0.20003	hyper	sig	chr8_37493465
chr9	1.28E+08	127722193	+	7.955E-10	5.9076E-09	-0.25561	hypo	sig	chr9_127722193
chr11	75350766	75350766	+	7.956E-10	5.9082E-09	0.267678	hyper	sig	chr11_75350766
chr8	70035039	70035039	+	7.956E-10	5.9086E-09	0.283076	hyper	sig	chr8_70035039

chr10	75073447	75073447	+	7.958E-10	5.9098E-09	-0.22527	hypo	sig	chr10_75073447
chr20	46021663	46021663	+	7.965E-10	5.915E-09	0.220537	hyper	sig	chr20_46021663
chr19	38812887	38812887	+	7.968E-10	5.9167E-09	-0.23844	hypo	sig	chr19_38812887
chr1	90717464	90717464	+	7.969E-10	5.9177E-09	0.250646	hyper	sig	chr1_90717464
chr16	972613	972613	+	7.97E-10	5.9181E-09	-0.21895	hypo	sig	chr16_972613
chr7	73886564	73886564	+	7.97E-10	5.9186E-09	0.266349	hyper	sig	chr7_73886564
chr18	26547308	26547308	+	7.971E-10	5.9187E-09	0.231761	hyper	sig	chr18_26547308
chr17	36792067	36792067	+	7.972E-10	5.9193E-09	0.264576	hyper	sig	chr17_36792067
chr4	8199784	8199784	+	7.974E-10	5.9211E-09	-0.22593	hypo	sig	chr4_8199784
chr14	60486215	60486215	+	7.978E-10	5.9239E-09	0.245345	hyper	sig	chr14_60486215
chr11	31800317	31800317	+	7.983E-10	5.9276E-09	0.371796	hyper	sig	chr11_31800317
chr14	66012838	66012838	+	7.991E-10	5.9331E-09	-0.21069	hypo	sig	chr14_66012838
chr16	88110405	88110405	+	8.001E-10	5.9401E-09	0.224691	hyper	sig	chr16_88110405
chr20	63426137	63426137	+	8.001E-10	5.9402E-09	-0.20806	hypo	sig	chr20_63426137
chr14	1.01E+08	101046091	+	8.011E-10	5.947E-09	-0.20196	hypo	sig	chr14_101046091
chr4	48484511	48484511	+	8.016E-10	5.9506E-09	0.321078	hyper	sig	chr4_48484511
chr19	42424974	42424974	+	8.02E-10	5.9537E-09	-0.23177	hypo	sig	chr19_42424974
chr17	8057094	8057094	+	8.024E-10	5.9561E-09	-0.21542	hypo	sig	chr17_8057094
chr2	98823564	98823564	+	8.026E-10	5.9578E-09	0.227969	hyper	sig	chr2_98823564
chr7	30912040	30912040	+	8.033E-10	5.9625E-09	0.213438	hyper	sig	chr7_30912040
chr1	47726030	47726030	+	8.036E-10	5.965E-09	0.215968	hyper	sig	chr1_47726030
chr9	34591039	34591039	+	8.039E-10	5.9672E-09	-0.22857	hypo	sig	chr9_34591039
chr17	3944662	3944662	+	8.043E-10	5.9698E-09	0.268745	hyper	sig	chr17_3944662
chr4	338717	338717	+	8.046E-10	5.972E-09	0.234465	hyper	sig	chr4_338717
chr19	18603051	18603051	+	8.047E-10	5.9723E-09	-0.26732	hypo	sig	chr19_18603051
chr5	77972527	77972527	+	8.049E-10	5.9741E-09	0.23949	hyper	sig	chr5_77972527
chr1	2174875	2174875	+	8.073E-10	5.9914E-09	0.201709	hyper	sig	chr1_2174875
chr17	7852251	7852251	+	8.073E-10	5.9915E-09	0.209979	hyper	sig	chr17_7852251
chr16	2899130	2899130	+	8.074E-10	5.9919E-09	-0.32435	hypo	sig	chr16_2899130
chr17	50165865	50165865	+	8.08E-10	5.9967E-09	0.228325	hyper	sig	chr17_50165865
chr16	34162934	34162934	+	8.081E-10	5.9971E-09	0.218582	hyper	sig	chr16_34162934
chr20	5010154	5010154	+	8.081E-10	5.9973E-09	-0.22573	hypo	sig	chr20_5010154
chr10	1.24E+08	123665720	+	8.082E-10	5.9979E-09	0.318534	hyper	sig	chr10_123665720
chr12	34395180	34395180	+	8.083E-10	5.9986E-09	-0.20214	hypo	sig	chr12_34395180
chr11	1343820	1343820	+	8.088E-10	6.0021E-09	-0.20861	hypo	sig	chr11_1343820
chr20	64062647	64062647	+	8.089E-10	6.0025E-09	0.221859	hyper	sig	chr20_64062647
chr17	74117197	74117197	+	8.102E-10	6.0119E-09	-0.20018	hypo	sig	chr17_74117197
chr11	92225660	92225660	+	8.105E-10	6.0143E-09	0.210072	hyper	sig	chr11_92225660
chr17	82321190	82321190	+	8.112E-10	6.0193E-09	-0.22289	hypo	sig	chr17_82321190
chr7	1.04E+08	103988923	+	8.113E-10	6.0203E-09	0.226155	hyper	sig	chr7_103988923
chr18	13869376	13869376	+	8.116E-10	6.0223E-09	0.254516	hyper	sig	chr18_13869376
chr14	94773894	94773894	+	8.117E-10	6.0231E-09	0.248867	hyper	sig	chr14_94773894
chr11	2837125	2837125	+	8.118E-10	6.0234E-09	0.230374	hyper	sig	chr11_2837125
chr10	1399565	1399565	+	8.122E-10	6.0264E-09	-0.29054	hypo	sig	chr10_1399565
chr19	42697977	42697977	+	8.127E-10	6.0299E-09	0.262871	hyper	sig	chr19_42697977
chr11	68370963	68370963	+	8.13E-10	6.0323E-09	0.245907	hyper	sig	chr11_68370963
chr17	897505	897505	+	8.131E-10	6.033E-09	-0.20309	hypo	sig	chr17_897505
chr1	1.54E+08	153617305	+	8.133E-10	6.0339E-09	-0.23966	hypo	sig	chr1_153617305
chr20	63499917	63499917	+	8.133E-10	6.0343E-09	0.238985	hyper	sig	chr20_63499917
chr10	2315129	2315129	+	8.133E-10	6.0343E-09	-0.24119	hypo	sig	chr10_2315129
chr15	71814661	71814661	+	8.135E-10	6.0355E-09	-0.22644	hypo	sig	chr15_71814661
chr8	1.01E+08	100649867	+	8.139E-10	6.038E-09	-0.22881	hypo	sig	chr8_100649867
chr1	1.77E+08	177164756	+	8.146E-10	6.0431E-09	0.224593	hyper	sig	chr1_177164756
chr3	1.28E+08	128492283	+	8.159E-10	6.0526E-09	0.215274	hyper	sig	chr3_128492283
chr8	54454245	54454245	+	8.17E-10	6.0609E-09	0.204558	hyper	sig	chr8_54454245
chr2	2.41E+08	240777778	+	8.171E-10	6.0613E-09	-0.20554	hypo	sig	chr2_240777778

chr12	1.32E+08	132344569	+	8.178E-10	6.0664E-09	-0.2353	hypo	sig	chr12_132344569
chr7	961347	961347	+	8.181E-10	6.068E-09	0.214553	hyper	sig	chr7_961347
chr1	1.19E+08	118990346	+	8.182E-10	6.0688E-09	0.252698	hyper	sig	chr1_118990346
chr4	5893674	5893674	+	8.182E-10	6.0688E-09	0.213567	hyper	sig	chr4_5893674
chr7	65771326	65771326	+	8.187E-10	6.0724E-09	-0.20844	hypo	sig	chr7_65771326
chr16	972713	972713	+	8.188E-10	6.0732E-09	-0.21559	hypo	sig	chr16_972713
chr1	2291017	2291017	+	8.189E-10	6.0735E-09	0.218992	hyper	sig	chr1_2291017
chr2	20106981	20106981	+	8.189E-10	6.0737E-09	0.222655	hyper	sig	chr2_20106981
chr14	1.05E+08	104926834	+	8.19E-10	6.0743E-09	-0.26277	hypo	sig	chr14_104926834
chr19	18778193	18778193	+	8.193E-10	6.0764E-09	-0.22407	hypo	sig	chr19_18778193
chr12	1.24E+08	124445236	+	8.194E-10	6.077E-09	0.209663	hyper	sig	chr12_124445236
chr10	1.33E+08	133273956	+	8.196E-10	6.0787E-09	-0.28415	hypo	sig	chr10_133273956
chr8	1.43E+08	142823558	+	8.201E-10	6.0818E-09	-0.26522	hypo	sig	chr8_142823558
chr5	73232420	73232420	+	8.203E-10	6.0833E-09	0.232231	hyper	sig	chr5_73232420
chr10	49441966	49441966	+	8.209E-10	6.088E-09	0.250547	hyper	sig	chr10_49441966
chr16	88497780	88497780	+	8.214E-10	6.091E-09	0.236493	hyper	sig	chr16_88497780
chr11	18455807	18455807	+	8.223E-10	6.0976E-09	0.237945	hyper	sig	chr11_18455807
chr12	53507329	53507329	+	8.232E-10	6.104E-09	0.24518	hyper	sig	chr12_53507329
chr6	1.67E+08	167116308	+	8.235E-10	6.106E-09	0.229296	hyper	sig	chr6_167116308
chr9	1.33E+08	132582847	+	8.243E-10	6.1118E-09	0.343854	hyper	sig	chr9_132582847
chr19	37312183	37312183	+	8.244E-10	6.1124E-09	-0.21572	hypo	sig	chr19_37312183
chr11	68980692	68980692	+	8.258E-10	6.1229E-09	-0.25415	hypo	sig	chr11_68980692
chr1	2376422	2376422	+	8.263E-10	6.1262E-09	-0.30786	hypo	sig	chr1_2376422
chr15	67064146	67064146	+	8.274E-10	6.134E-09	-0.25108	hypo	sig	chr15_67064146
chr22	50085762	50085762	+	8.281E-10	6.139E-09	-0.23822	hypo	sig	chr22_50085762
chr18	79459509	79459509	+	8.281E-10	6.1393E-09	-0.23471	hypo	sig	chr18_79459509
chr2	2.32E+08	231924727	+	8.292E-10	6.1464E-09	-0.22053	hypo	sig	chr2_231924727
chr22	39658119	39658119	+	8.296E-10	6.1495E-09	-0.24043	hypo	sig	chr22_39658119
chr17	13602358	13602358	+	8.296E-10	6.1495E-09	0.263857	hyper	sig	chr17_13602358
chr8	11059295	11059295	+	8.296E-10	6.1496E-09	0.224173	hyper	sig	chr8_11059295
chr11	30017457	30017457	+	8.301E-10	6.1529E-09	0.273624	hyper	sig	chr11_30017457
chr3	22372191	22372191	+	8.302E-10	6.1537E-09	0.278335	hyper	sig	chr3_22372191
chr9	36163573	36163573	+	8.31E-10	6.1596E-09	0.27024	hyper	sig	chr9_36163573
chr22	37518648	37518648	+	8.314E-10	6.162E-09	-0.21611	hypo	sig	chr22_37518648
chr19	56476972	56476972	+	8.319E-10	6.1659E-09	0.233496	hyper	sig	chr19_56476972
chr3	51874922	51874922	+	8.33E-10	6.1735E-09	-0.20726	hypo	sig	chr3_51874922
chr22	20297120	20297120	+	8.332E-10	6.1749E-09	-0.28644	hypo	sig	chr22_20297120
chr8	1.41E+08	141228285	+	8.34E-10	6.1807E-09	-0.25045	hypo	sig	chr8_141228285
chr19	35861571	35861571	+	8.356E-10	6.1925E-09	0.220526	hyper	sig	chr19_35861571
chr9	1.24E+08	124487554	+	8.359E-10	6.1946E-09	0.297716	hyper	sig	chr9_124487554
chr2	64990456	64990456	+	8.366E-10	6.1995E-09	-0.23619	hypo	sig	chr2_64990456
chr15	59995883	59995883	+	8.369E-10	6.2015E-09	0.284622	hyper	sig	chr15_59995883
chr6	29165772	29165772	+	8.372E-10	6.2037E-09	-0.20626	hypo	sig	chr6_29165772
chr7	1.59E+08	158997141	+	8.376E-10	6.2061E-09	0.217746	hyper	sig	chr7_158997141
chr8	1.04E+08	104367470	+	8.378E-10	6.2076E-09	0.236717	hyper	sig	chr8_104367470
chr3	1.29E+08	128993329	+	8.397E-10	6.2214E-09	0.247795	hyper	sig	chr3_128993329
chr14	77641318	77641318	+	8.404E-10	6.2264E-09	-0.2428	hypo	sig	chr14_77641318
chr1	1.48E+08	148329721	+	8.406E-10	6.2281E-09	0.235245	hyper	sig	chr1_148329721
chr5	1.35E+08	135040836	+	8.409E-10	6.2299E-09	0.204204	hyper	sig	chr5_135040836
chr1	2.06E+08	205774278	+	8.417E-10	6.2356E-09	-0.20282	hypo	sig	chr1_205774278
chr1	31754568	31754568	+	8.42E-10	6.2381E-09	-0.2337	hypo	sig	chr1_31754568
chr9	1.37E+08	137048725	+	8.426E-10	6.2423E-09	0.239406	hyper	sig	chr9_137048725
chr14	37622245	37622245	+	8.44E-10	6.2519E-09	0.224485	hyper	sig	chr14_37622245
chr10	47299909	47299909	+	8.445E-10	6.2557E-09	0.25077	hyper	sig	chr10_47299909
chr7	56883751	56883751	+	8.451E-10	6.26E-09	-0.24567	hypo	sig	chr7_56883751
chr19	49210758	49210758	+	8.458E-10	6.2645E-09	0.225383	hyper	sig	chr19_49210758

chr10	1.3E+08	129960522	+	8.466E-10	6.2703E-09	0.228403	hyper	sig	chr10_129960522
chr17	39563660	39563660	+	8.474E-10	6.2756E-09	0.217606	hyper	sig	chr17_39563660
chr7	1922565	1922565	+	8.48E-10	6.2804E-09	-0.23444	hypo	sig	chr7_1922565
chr12	1.32E+08	132407688	+	8.485E-10	6.2834E-09	-0.25287	hypo	sig	chr12_132407688
chr17	48551298	48551298	+	8.487E-10	6.2849E-09	0.287791	hyper	sig	chr17_48551298
chr7	1.57E+08	157005550	+	8.487E-10	6.2849E-09	0.220076	hyper	sig	chr7_157005550
chr9	34986980	34986980	+	8.487E-10	6.2851E-09	-0.2232	hypo	sig	chr9_34986980
chr16	34163062	34163062	+	8.489E-10	6.2861E-09	0.223639	hyper	sig	chr16_34163062
chr5	1.41E+08	141245791	+	8.497E-10	6.2921E-09	0.213043	hyper	sig	chr5_141245791
chr9	1.35E+08	134557480	+	8.498E-10	6.2924E-09	-0.21892	hypo	sig	chr9_134557480
chr1	1.67E+08	166878745	+	8.5E-10	6.2942E-09	-0.2063	hypo	sig	chr1_166878745
chr3	38648981	38648981	+	8.502E-10	6.2951E-09	0.240211	hyper	sig	chr3_38648981
chr13	1.14E+08	114007589	+	8.502E-10	6.2955E-09	-0.22687	hypo	sig	chr13_114007589
chr9	34624043	34624043	+	8.509E-10	6.3003E-09	0.218596	hyper	sig	chr9_34624043
chr7	57405059	57405059	+	8.51E-10	6.301E-09	0.289496	hyper	sig	chr7_57405059
chr20	32745262	32745262	+	8.51E-10	6.301E-09	-0.31737	hypo	sig	chr20_32745262
chr2	1.82E+08	181677852	+	8.514E-10	6.3033E-09	0.239926	hyper	sig	chr2_181677852
chr3	46744704	46744704	+	8.521E-10	6.3081E-09	-0.23713	hypo	sig	chr3_46744704
chr6	1.08E+08	108171516	+	8.524E-10	6.3101E-09	0.207325	hyper	sig	chr6_108171516
chr4	1.47E+08	146654896	+	8.542E-10	6.3228E-09	0.294115	hyper	sig	chr4_146654896
chr1	1.07E+08	107140113	+	8.545E-10	6.3254E-09	0.250665	hyper	sig	chr1_107140113
chr11	72781090	72781090	+	8.545E-10	6.3254E-09	-0.2041	hypo	sig	chr11_72781090
chr16	84453160	84453160	+	8.545E-10	6.3254E-09	0.208241	hyper	sig	chr16_84453160
chr1	2879767	2879767	+	8.557E-10	6.3336E-09	-0.24728	hypo	sig	chr1_2879767
chr12	53975730	53975730	+	8.558E-10	6.334E-09	0.224135	hyper	sig	chr12_53975730
chr1	1.57E+08	156846038	+	8.559E-10	6.3352E-09	0.219045	hyper	sig	chr1_156846038
chr4	3574779	3574779	+	8.559E-10	6.3352E-09	-0.22535	hypo	sig	chr4_3574779
chr2	10961358	10961358	+	8.562E-10	6.3369E-09	-0.24999	hypo	sig	chr2_10961358
chr10	1.3E+08	130046650	+	8.579E-10	6.349E-09	-0.23506	hypo	sig	chr10_130046650
chr8	1.44E+08	144107551	+	8.579E-10	6.3494E-09	0.230126	hyper	sig	chr8_144107551
chr2	1.06E+08	106343053	+	8.581E-10	6.3507E-09	-0.21672	hypo	sig	chr2_106343053
chr20	21523765	21523765	+	8.584E-10	6.3525E-09	0.20507	hyper	sig	chr20_21523765
chr19	19533274	19533274	+	8.605E-10	6.3677E-09	-0.2389	hypo	sig	chr19_19533274
chr16	88958036	88958036	+	8.606E-10	6.3683E-09	-0.25272	hypo	sig	chr16_88958036
chr4	55157878	55157878	+	8.609E-10	6.3709E-09	0.265075	hyper	sig	chr4_55157878
chr9	96219222	96219222	+	8.62E-10	6.3782E-09	-0.24348	hypo	sig	chr9_96219222
chr3	1.82E+08	181715817	+	8.622E-10	6.3801E-09	0.216669	hyper	sig	chr3_181715817
chr19	21678044	21678044	+	8.626E-10	6.3826E-09	0.222857	hyper	sig	chr19_21678044
chr19	3178906	3178906	+	8.626E-10	6.3828E-09	-0.22502	hypo	sig	chr19_3178906
chr2	38960817	38960817	+	8.631E-10	6.3867E-09	0.248042	hyper	sig	chr2_38960817
chr2	74415403	74415403	+	8.633E-10	6.388E-09	0.228852	hyper	sig	chr2_74415403
chr7	1.22E+08	121873631	+	8.643E-10	6.3951E-09	0.223654	hyper	sig	chr7_121873631
chr11	67409481	67409481	+	8.651E-10	6.4003E-09	-0.21813	hypo	sig	chr11_67409481
chr8	41735557	41735557	+	8.652E-10	6.4009E-09	-0.35026	hypo	sig	chr8_41735557
chr8	1.44E+08	143732685	+	8.652E-10	6.4011E-09	-0.20946	hypo	sig	chr8_143732685
chr19	8592680	8592680	+	8.658E-10	6.4054E-09	0.240428	hyper	sig	chr19_8592680
chr7	42228109	42228109	+	8.66E-10	6.4068E-09	0.215502	hyper	sig	chr7_42228109
chr21	46661330	46661330	+	8.673E-10	6.4164E-09	0.214413	hyper	sig	chr21_46661330
chr10	1.02E+08	101841431	+	8.675E-10	6.4173E-09	0.27859	hyper	sig	chr10_101841431
chr19	58217207	58217207	+	8.678E-10	6.4198E-09	0.207942	hyper	sig	chr19_58217207
chr11	65717998	65717998	+	8.678E-10	6.4198E-09	0.208886	hyper	sig	chr11_65717998
chr16	51154469	51154469	+	8.679E-10	6.4201E-09	0.255315	hyper	sig	chr16_51154469
chr1	3242542	3242542	+	8.68E-10	6.421E-09	-0.21254	hypo	sig	chr1_3242542
chr5	36693049	36693049	+	8.68E-10	6.421E-09	0.204628	hyper	sig	chr5_36693049
chr3	27720933	27720933	+	8.681E-10	6.4215E-09	0.21811	hyper	sig	chr3_27720933
chr16	30474221	30474221	+	8.683E-10	6.4229E-09	0.237104	hyper	sig	chr16_30474221

chr19	2252351	2252351	+	8.684E-10	6.4236E-09	0.234161	hyper	sig	chr19_2252351
chr5	1.81E+08	181109117	+	8.686E-10	6.4248E-09	-0.20585	hypo	sig	chr5_181109117
chr4	1058803	1058803	+	8.688E-10	6.4261E-09	-0.24017	hypo	sig	chr4_1058803
chr5	1950068	1950068	+	8.689E-10	6.427E-09	-0.2108	hypo	sig	chr5_1950068
chr8	1.24E+08	123539997	+	8.69E-10	6.4275E-09	0.248446	hyper	sig	chr8_123539997
chr15	99059863	99059863	+	8.69E-10	6.4277E-09	0.230866	hyper	sig	chr15_99059863
chr3	1.95E+08	194572568	+	8.695E-10	6.4307E-09	-0.23978	hypo	sig	chr3_194572568
chr10	1.33E+08	132940775	+	8.695E-10	6.4309E-09	-0.2343	hypo	sig	chr10_132940775
chr20	63948439	63948439	+	8.7E-10	6.4341E-09	0.212345	hyper	sig	chr20_63948439
chr16	48622813	48622813	+	8.706E-10	6.4383E-09	0.260623	hyper	sig	chr16_48622813
chr16	54288650	54288650	+	8.708E-10	6.4395E-09	0.255984	hyper	sig	chr16_54288650
chr1	2.25E+08	224615662	+	8.722E-10	6.4494E-09	0.206586	hyper	sig	chr1_224615662
chr6	39322948	39322948	+	8.724E-10	6.4509E-09	-0.203	hypo	sig	chr6_39322948
chr10	1.33E+08	132964710	+	8.734E-10	6.4581E-09	-0.20793	hypo	sig	chr10_132964710
chr12	1.32E+08	132426347	+	8.734E-10	6.4581E-09	-0.22892	hypo	sig	chr12_132426347
chr19	10486373	10486373	+	8.736E-10	6.4597E-09	0.219537	hyper	sig	chr19_10486373
chr19	30228475	30228475	+	8.738E-10	6.4614E-09	0.221501	hyper	sig	chr19_30228475
chr2	987604	987604	+	8.74E-10	6.4625E-09	-0.20816	hypo	sig	chr2_987604
chr12	6362018	6362018	+	8.741E-10	6.4628E-09	-0.23262	hypo	sig	chr12_6362018
chr8	1.43E+08	143426507	+	8.754E-10	6.4724E-09	0.263416	hyper	sig	chr8_143426507
chr5	88695254	88695254	+	8.763E-10	6.479E-09	0.244049	hyper	sig	chr5_88695254
chr7	10780209	10780209	+	8.771E-10	6.4842E-09	-0.2958	hypo	sig	chr7_10780209
chr11	57424959	57424959	+	8.774E-10	6.4866E-09	-0.22545	hypo	sig	chr11_57424959
chr10	1.01E+08	101216964	+	8.775E-10	6.4871E-09	0.223545	hyper	sig	chr10_101216964
chr9	1.34E+08	133527172	+	8.777E-10	6.4885E-09	0.201394	hyper	sig	chr9_133527172
chr21	32572738	32572738	+	8.785E-10	6.4944E-09	-0.29831	hypo	sig	chr21_32572738
chr17	50270725	50270725	+	8.789E-10	6.4972E-09	0.203141	hyper	sig	chr17_50270725
chr6	7468548	7468548	+	8.803E-10	6.507E-09	-0.22502	hypo	sig	chr6_7468548
chr19	45008864	45008864	+	8.808E-10	6.5109E-09	-0.24166	hypo	sig	chr19_45008864
chr9	96924900	96924900	+	8.81E-10	6.5119E-09	0.242954	hyper	sig	chr9_96924900
chr12	6326604	6326604	+	8.811E-10	6.5128E-09	0.211642	hyper	sig	chr12_6326604
chr1	3433948	3433948	+	8.812E-10	6.5138E-09	-0.23975	hypo	sig	chr1_3433948
chr7	56827831	56827831	+	8.813E-10	6.5144E-09	-0.32845	hypo	sig	chr7_56827831
chr17	44916892	44916892	+	8.821E-10	6.5196E-09	0.22748	hyper	sig	chr17_44916892
chr4	1.88E+08	187995427	+	8.827E-10	6.524E-09	0.22682	hyper	sig	chr4_187995427
chr16	1026022	1026022	+	8.828E-10	6.5244E-09	0.205883	hyper	sig	chr16_1026022
chr7	95773444	95773444	+	8.832E-10	6.5278E-09	0.29021	hyper	sig	chr7_95773444
chr4	3835492	3835492	+	8.833E-10	6.528E-09	-0.21364	hypo	sig	chr4_3835492
chr7	955030	955030	+	8.837E-10	6.5308E-09	0.202174	hyper	sig	chr7_955030
chr11	8269158	8269158	+	8.865E-10	6.551E-09	0.278534	hyper	sig	chr11_8269158
chr16	775525	775525	+	8.868E-10	6.5531E-09	-0.23259	hypo	sig	chr16_775525
chr7	80919855	80919855	+	8.873E-10	6.5569E-09	-0.20217	hypo	sig	chr7_80919855
chr16	15434276	15434276	+	8.875E-10	6.558E-09	0.211781	hyper	sig	chr16_15434276
chr10	26905620	26905620	+	8.877E-10	6.5599E-09	-0.20097	hypo	sig	chr10_26905620
chr12	6375110	6375110	+	8.878E-10	6.5601E-09	-0.23748	hypo	sig	chr12_6375110
chr7	1289372	1289372	+	8.878E-10	6.5606E-09	-0.22854	hypo	sig	chr7_1289372
chr4	8108546	8108546	+	8.892E-10	6.5705E-09	-0.20695	hypo	sig	chr4_8108546
chr12	1.32E+08	131843904	+	8.895E-10	6.5723E-09	-0.20386	hypo	sig	chr12_131843904
chr11	20208767	20208767	+	8.904E-10	6.5783E-09	0.202664	hyper	sig	chr11_20208767
chr12	33439501	33439501	+	8.904E-10	6.5783E-09	0.257925	hyper	sig	chr12_33439501
chr15	26965243	26965243	+	8.906E-10	6.5797E-09	-0.25934	hypo	sig	chr15_26965243
chr16	4376241	4376241	+	8.908E-10	6.5813E-09	0.270185	hyper	sig	chr16_4376241
chr14	1E+08	100328965	+	8.911E-10	6.5833E-09	-0.23498	hypo	sig	chr14_100328965
chr4	7698952	7698952	+	8.915E-10	6.5863E-09	-0.23448	hypo	sig	chr4_7698952
chr7	4707664	4707664	+	8.918E-10	6.5883E-09	0.211114	hyper	sig	chr7_4707664
chr19	35866168	35866168	+	8.921E-10	6.5907E-09	-0.27535	hypo	sig	chr19_35866168

chr12	54060691	54060691	+	8.937E-10	6.602E-09	-0.22308	hypo	sig	chr12_54060691
chr13	20391883	20391883	+	8.942E-10	6.6056E-09	-0.23673	hypo	sig	chr13_20391883
chr17	82051148	82051148	+	8.944E-10	6.607E-09	0.235993	hyper	sig	chr17_82051148
chr20	20365491	20365491	+	8.945E-10	6.6078E-09	0.275663	hyper	sig	chr20_20365491
chr18	79899716	79899716	+	8.951E-10	6.6119E-09	0.204489	hyper	sig	chr18_79899716
chr12	1.32E+08	132480663	+	8.964E-10	6.6214E-09	-0.20381	hypo	sig	chr12_132480663
chr5	1877881	1877881	+	8.968E-10	6.6241E-09	0.266507	hyper	sig	chr5_1877881
chr1	44617265	44617265	+	8.97E-10	6.625E-09	0.204027	hyper	sig	chr1_44617265
chr6	43635440	43635440	+	8.977E-10	6.6304E-09	-0.29914	hypo	sig	chr6_43635440
chr5	61323138	61323138	+	8.98E-10	6.6325E-09	-0.20917	hypo	sig	chr5_61323138
chr10	93075498	93075498	+	8.994E-10	6.6418E-09	0.281623	hyper	sig	chr10_93075498
chr20	63775192	63775192	+	8.993E-10	6.6418E-09	0.328234	hyper	sig	chr20_63775192
chr2	1.32E+08	131647050	+	8.995E-10	6.6427E-09	0.222483	hyper	sig	chr2_131647050
chr11	65184581	65184581	+	8.998E-10	6.6446E-09	0.204515	hyper	sig	chr11_65184581
chr2	2.02E+08	202036838	+	9E-10	6.6463E-09	0.287224	hyper	sig	chr2_202036838
chr19	3179987	3179987	+	9.011E-10	6.6536E-09	-0.21008	hypo	sig	chr19_3179987
chr5	1.8E+08	180441660	+	9.013E-10	6.655E-09	-0.23434	hypo	sig	chr5_180441660
chr3	35639666	35639666	+	9.016E-10	6.6574E-09	0.275789	hyper	sig	chr3_35639666
chr15	74752010	74752010	+	9.019E-10	6.6596E-09	-0.2649	hypo	sig	chr15_74752010
chr5	64690369	64690369	+	9.022E-10	6.6613E-09	0.225297	hyper	sig	chr5_64690369
chr19	45901396	45901396	+	9.023E-10	6.6619E-09	0.339859	hyper	sig	chr19_45901396
chr12	53750796	53750796	+	9.031E-10	6.6675E-09	0.214549	hyper	sig	chr12_53750796
chr4	8691574	8691574	+	9.036E-10	6.671E-09	-0.25527	hypo	sig	chr4_8691574
chr7	1.56E+08	155788730	+	9.04E-10	6.6738E-09	-0.24186	hypo	sig	chr7_155788730
chr1	2073486	2073486	+	9.041E-10	6.6746E-09	0.237699	hyper	sig	chr1_2073486
chr14	95313948	95313948	+	9.043E-10	6.676E-09	-0.26624	hypo	sig	chr14_95313948
chr19	38954182	38954182	+	9.043E-10	6.676E-09	-0.20292	hypo	sig	chr19_38954182
chr11	1.19E+08	118689325	+	9.044E-10	6.6764E-09	0.207895	hyper	sig	chr11_118689325
chr13	27975787	27975787	+	9.051E-10	6.6819E-09	0.227335	hyper	sig	chr13_27975787
chr17	47848100	47848100	+	9.064E-10	6.6909E-09	0.299187	hyper	sig	chr17_47848100
chr7	55449190	55449190	+	9.065E-10	6.6914E-09	0.237034	hyper	sig	chr7_55449190
chr12	1.32E+08	132403725	+	9.072E-10	6.6968E-09	-0.2016	hypo	sig	chr12_132403725
chr10	1.01E+08	101001105	+	9.073E-10	6.6973E-09	0.285424	hyper	sig	chr10_101001105
chr7	57404068	57404068	+	9.079E-10	6.7015E-09	0.210804	hyper	sig	chr7_57404068
chr4	48484793	48484793	+	9.08E-10	6.7018E-09	0.227257	hyper	sig	chr4_48484793
chr3	22372452	22372452	+	9.082E-10	6.7033E-09	0.28298	hyper	sig	chr3_22372452
chr19	14005293	14005293	+	9.083E-10	6.7043E-09	-0.22207	hypo	sig	chr19_14005293
chr14	37622700	37622700	+	9.094E-10	6.7122E-09	0.241976	hyper	sig	chr14_37622700
chr20	3223525	3223525	+	9.104E-10	6.7189E-09	-0.29943	hypo	sig	chr20_3223525
chr15	96367936	96367936	+	9.104E-10	6.7192E-09	0.271106	hyper	sig	chr15_96367936
chr10	1.33E+08	132806666	+	9.106E-10	6.7202E-09	-0.23802	hypo	sig	chr10_132806666
chr19	48745851	48745851	+	9.108E-10	6.7215E-09	0.207236	hyper	sig	chr19_48745851
chr9	1.38E+08	137512271	+	9.118E-10	6.7285E-09	0.203536	hyper	sig	chr9_137512271
chr4	1.44E+08	143912350	+	9.121E-10	6.7306E-09	0.224507	hyper	sig	chr4_143912350
chr20	63281321	63281321	+	9.126E-10	6.7344E-09	0.216958	hyper	sig	chr20_63281321
chr16	75486273	75486273	+	9.136E-10	6.7413E-09	-0.21448	hypo	sig	chr16_75486273
chr8	11019844	11019844	+	9.141E-10	6.7451E-09	-0.20258	hypo	sig	chr8_11019844
chr3	38306625	38306625	+	9.146E-10	6.7486E-09	-0.21123	hypo	sig	chr3_38306625
chr11	74683273	74683273	+	9.155E-10	6.7547E-09	0.223456	hyper	sig	chr11_74683273
chr1	2.17E+08	217135020	+	9.168E-10	6.7641E-09	0.208112	hyper	sig	chr1_217135020
chr22	30247437	30247437	+	9.175E-10	6.7691E-09	-0.20864	hypo	sig	chr22_30247437
chr7	4862053	4862053	+	9.176E-10	6.7694E-09	0.276727	hyper	sig	chr7_4862053
chr19	22709151	22709151	+	9.181E-10	6.7728E-09	0.236192	hyper	sig	chr19_22709151
chr17	7792885	7792885	+	9.187E-10	6.777E-09	-0.20625	hypo	sig	chr17_7792885
chr7	1.55E+08	155071353	+	9.192E-10	6.781E-09	0.216793	hyper	sig	chr7_155071353
chr9	41266856	41266856	+	9.194E-10	6.7826E-09	0.219107	hyper	sig	chr9_41266856

chr1	2.28E+08	227560741	+	9.196E-10	6.7835E-09	0.241952	hyper	sig	chr1_227560741
chr2	2.38E+08	238108508	+	9.197E-10	6.7843E-09	-0.21068	hypo	sig	chr2_238108508
chr6	32083150	32083150	+	9.198E-10	6.7847E-09	-0.20915	hypo	sig	chr6_32083150
chr20	9507219	9507219	+	9.208E-10	6.7922E-09	0.231945	hyper	sig	chr20_9507219
chr14	60653484	60653484	+	9.215E-10	6.7973E-09	0.230547	hyper	sig	chr14_60653484
chr11	65616782	65616782	+	9.217E-10	6.7982E-09	-0.2566	hypo	sig	chr11_65616782
chr16	57528917	57528917	+	9.222E-10	6.8022E-09	-0.25673	hypo	sig	chr16_57528917
chr11	70662057	70662057	+	9.227E-10	6.8051E-09	0.229573	hyper	sig	chr11_70662057
chr2	60568401	60568401	+	9.227E-10	6.8055E-09	-0.23235	hypo	sig	chr2_60568401
chr12	57727858	57727858	+	9.256E-10	6.8257E-09	0.288277	hyper	sig	chr12_57727858
chr16	88869436	88869436	+	9.257E-10	6.8262E-09	-0.22234	hypo	sig	chr16_88869436
chr19	58204247	58204247	+	9.26E-10	6.8284E-09	0.227076	hyper	sig	chr19_58204247
chr16	88558821	88558821	+	9.267E-10	6.8334E-09	-0.25651	hypo	sig	chr16_88558821
chr1	2.28E+08	228212864	+	9.27E-10	6.8354E-09	0.254473	hyper	sig	chr1_228212864
chr11	31815975	31815975	+	9.271E-10	6.8358E-09	0.20381	hyper	sig	chr11_31815975
chr9	1.32E+08	132409811	+	9.271E-10	6.8359E-09	0.21482	hyper	sig	chr9_132409811
chr6	28817018	28817018	+	9.292E-10	6.8504E-09	0.228462	hyper	sig	chr6_28817018
chr16	54938154	54938154	+	9.292E-10	6.8507E-09	0.216348	hyper	sig	chr16_54938154
chr15	24773298	24773298	+	9.296E-10	6.8538E-09	0.213431	hyper	sig	chr15_24773298
chr16	1027645	1027645	+	9.304E-10	6.8591E-09	-0.24886	hypo	sig	chr16_1027645
chr1	2.43E+08	243482893	+	9.314E-10	6.866E-09	0.270722	hyper	sig	chr1_243482893
chr2	1.09E+08	109173354	+	9.317E-10	6.8681E-09	0.213288	hyper	sig	chr2_109173354
chr1	38570321	38570321	+	9.327E-10	6.8753E-09	-0.21079	hypo	sig	chr1_38570321
chr4	1.88E+08	187995412	+	9.337E-10	6.8825E-09	0.213785	hyper	sig	chr4_187995412
chr11	79439201	79439201	+	9.345E-10	6.888E-09	0.241779	hyper	sig	chr11_79439201
chr13	1.14E+08	114089671	+	9.351E-10	6.8922E-09	-0.22583	hypo	sig	chr13_114089671
chr9	1.37E+08	136657166	+	9.365E-10	6.9021E-09	-0.24314	hypo	sig	chr9_136657166
chr7	96992873	96992873	+	9.375E-10	6.9094E-09	0.2943	hyper	sig	chr7_96992873
chr20	32031281	32031281	+	9.376E-10	6.9098E-09	0.204777	hyper	sig	chr20_32031281
chr19	50230785	50230785	+	9.38E-10	6.9129E-09	0.27747	hyper	sig	chr19_50230785
chr22	44737366	44737366	+	9.384E-10	6.9154E-09	-0.22642	hypo	sig	chr22_44737366
chr19	3178842	3178842	+	9.402E-10	6.9281E-09	-0.23173	hypo	sig	chr19_3178842
chr11	8914893	8914893	+	9.411E-10	6.9353E-09	0.227198	hyper	sig	chr11_8914893
chr4	72031848	72031848	+	9.416E-10	6.9384E-09	0.238581	hyper	sig	chr4_72031848
chr7	42228127	42228127	+	9.417E-10	6.9389E-09	0.20783	hyper	sig	chr7_42228127
chr5	77851300	77851300	+	9.418E-10	6.9396E-09	0.227035	hyper	sig	chr5_77851300
chr10	8055306	8055306	+	9.42E-10	6.9409E-09	0.202551	hyper	sig	chr10_8055306
chr1	2.28E+08	228447023	+	9.422E-10	6.9422E-09	0.223703	hyper	sig	chr1_228447023
chr11	1.03E+08	102767931	+	9.432E-10	6.9497E-09	0.204924	hyper	sig	chr11_102767931
chr1	18630222	18630222	+	9.44E-10	6.9557E-09	0.226136	hyper	sig	chr1_18630222
chr11	61012194	61012194	+	9.444E-10	6.9582E-09	-0.20661	hypo	sig	chr11_61012194
chr7	1.37E+08	136869653	+	9.462E-10	6.971E-09	0.217882	hyper	sig	chr7_136869653
chr16	89972164	89972164	+	9.462E-10	6.9713E-09	0.236151	hyper	sig	chr16_89972164
chr16	6484260	6484260	+	9.468E-10	6.9753E-09	0.276837	hyper	sig	chr16_6484260
chr5	1.68E+08	167861656	+	9.493E-10	6.9934E-09	0.20345	hyper	sig	chr5_167861656
chr7	15686340	15686340	+	9.494E-10	6.9935E-09	0.219459	hyper	sig	chr7_15686340
chr19	45152810	45152810	+	9.497E-10	6.9956E-09	0.213651	hyper	sig	chr19_45152810
chr19	55363483	55363483	+	9.502E-10	6.9994E-09	-0.26377	hypo	sig	chr19_55363483
chr9	97077399	97077399	+	9.51E-10	7.005E-09	0.253845	hyper	sig	chr9_97077399
chr13	1.13E+08	112995726	+	9.511E-10	7.0055E-09	-0.24131	hypo	sig	chr13_112995726
chr10	1.01E+08	101140429	+	9.511E-10	7.0057E-09	0.219264	hyper	sig	chr10_101140429
chr19	21484042	21484042	+	9.512E-10	7.006E-09	0.244907	hyper	sig	chr19_21484042
chr17	38734068	38734068	+	9.515E-10	7.0082E-09	0.221394	hyper	sig	chr17_38734068
chr12	1.32E+08	132477723	+	9.523E-10	7.0143E-09	-0.2528	hypo	sig	chr12_132477723
chr15	52798698	52798698	+	9.524E-10	7.0145E-09	0.28253	hyper	sig	chr15_52798698
chr3	1.94E+08	194398258	+	9.524E-10	7.015E-09	0.212019	hyper	sig	chr3_194398258

chr5	1.77E+08	176865527	+	9.527E-10	7.0165E-09	-0.24715	hypo	sig	chr5_176865527
chr17	49964771	49964771	+	9.528E-10	7.0173E-09	0.223085	hyper	sig	chr17_49964771
chr12	85279449	85279449	+	9.53E-10	7.0189E-09	0.251792	hyper	sig	chr12_85279449
chr6	25218594	25218594	+	9.534E-10	7.0216E-09	0.230667	hyper	sig	chr6_25218594
chr4	4863221	4863221	+	9.536E-10	7.0228E-09	0.291355	hyper	sig	chr4_4863221
chr9	1.34E+08	134242982	+	9.547E-10	7.0307E-09	0.232742	hyper	sig	chr9_134242982
chr7	1297630	1297630	+	9.556E-10	7.0373E-09	0.205543	hyper	sig	chr7_1297630
chr4	83113223	83113223	+	9.556E-10	7.0374E-09	-0.21591	hypo	sig	chr4_83113223
chr5	1.77E+08	177328289	+	9.557E-10	7.0381E-09	-0.2337	hypo	sig	chr5_177328289
chr14	1.06E+08	105564804	+	9.571E-10	7.0472E-09	-0.22842	hypo	sig	chr14_105564804
chr9	1.33E+08	133369754	+	9.575E-10	7.0503E-09	-0.20197	hypo	sig	chr9_133369754
chr1	1.8E+08	179744693	+	9.576E-10	7.0509E-09	0.223893	hyper	sig	chr1_179744693
chr2	25161940	25161940	+	9.606E-10	7.0722E-09	-0.21543	hypo	sig	chr2_25161940
chr6	1.68E+08	168001614	+	9.607E-10	7.0733E-09	-0.2375	hypo	sig	chr6_168001614
chr19	2817439	2817439	+	9.61E-10	7.0756E-09	0.239629	hyper	sig	chr19_2817439
chr10	1.3E+08	129960452	+	9.613E-10	7.0772E-09	0.220915	hyper	sig	chr10_129960452
chr10	1.02E+08	101841468	+	9.616E-10	7.0797E-09	0.236411	hyper	sig	chr10_101841468
chr6	42154164	42154164	+	9.621E-10	7.0828E-09	-0.20923	hypo	sig	chr6_42154164
chr14	60655447	60655447	+	9.631E-10	7.0901E-09	0.269005	hyper	sig	chr14_60655447
chr21	41248128	41248128	+	9.635E-10	7.0931E-09	-0.2089	hypo	sig	chr21_41248128
chr1	63772772	63772772	+	9.638E-10	7.0946E-09	-0.20944	hypo	sig	chr1_63772772
chr7	80919852	80919852	+	9.655E-10	7.1072E-09	-0.20595	hypo	sig	chr7_80919852
chr12	1.32E+08	132259434	+	9.656E-10	7.1074E-09	-0.22986	hypo	sig	chr12_132259434
chr20	4687481	4687481	+	9.657E-10	7.1083E-09	0.208819	hyper	sig	chr20_4687481
chr18	77087270	77087270	+	9.658E-10	7.1092E-09	0.281493	hyper	sig	chr18_77087270
chr8	41308667	41308667	+	9.666E-10	7.1144E-09	0.209802	hyper	sig	chr8_41308667
chr8	1.44E+08	143994574	+	9.67E-10	7.1171E-09	-0.21822	hypo	sig	chr8_143994574
chr11	57465050	57465050	+	9.692E-10	7.1329E-09	0.207262	hyper	sig	chr11_57465050
chr12	1.08E+08	107571929	+	9.692E-10	7.1329E-09	-0.21473	hypo	sig	chr12_107571929
chr13	1.14E+08	114143969	+	9.693E-10	7.1334E-09	-0.22686	hypo	sig	chr13_114143969
chr20	3664879	3664879	+	9.694E-10	7.1342E-09	-0.20682	hypo	sig	chr20_3664879
chr16	56635203	56635203	+	9.695E-10	7.1346E-09	0.214602	hyper	sig	chr16_56635203
chr16	1135436	1135436	+	9.698E-10	7.137E-09	-0.22868	hypo	sig	chr16_1135436
chr5	1.74E+08	173973134	+	9.699E-10	7.1379E-09	0.238162	hyper	sig	chr5_173973134
chr9	1.22E+08	122219882	+	9.704E-10	7.1411E-09	0.219793	hyper	sig	chr9_122219882
chr8	66505333	66505333	+	9.709E-10	7.1444E-09	-0.23248	hypo	sig	chr8_66505333
chr20	63458957	63458957	+	9.717E-10	7.15E-09	-0.23361	hypo	sig	chr20_63458957
chr14	96593156	96593156	+	9.719E-10	7.1518E-09	0.248899	hyper	sig	chr14_96593156
chr4	1.74E+08	173509892	+	9.72E-10	7.1519E-09	0.205556	hyper	sig	chr4_173509892
chr14	96739621	96739621	+	9.733E-10	7.1614E-09	-0.24543	hypo	sig	chr14_96739621
chr15	40323018	40323018	+	9.743E-10	7.1681E-09	0.210421	hyper	sig	chr15_40323018
chr12	53930707	53930707	+	9.745E-10	7.1697E-09	0.208766	hyper	sig	chr12_53930707
chr10	777211	777211	+	9.746E-10	7.1702E-09	-0.24589	hypo	sig	chr10_777211
chr12	53973252	53973252	+	9.748E-10	7.1715E-09	0.222801	hyper	sig	chr12_53973252
chr19	4455170	4455170	+	9.755E-10	7.176E-09	0.250754	hyper	sig	chr19_4455170
chr4	1.88E+08	187995420	+	9.761E-10	7.1801E-09	0.219237	hyper	sig	chr4_187995420
chr6	1.7E+08	170147895	+	9.764E-10	7.1826E-09	-0.21533	hypo	sig	chr6_170147895
chr21	44391590	44391590	+	9.774E-10	7.1895E-09	0.261093	hyper	sig	chr21_44391590
chr5	93610781	93610781	+	9.774E-10	7.1897E-09	0.202949	hyper	sig	chr5_93610781
chr2	1.28E+08	127681718	+	9.795E-10	7.2042E-09	0.203455	hyper	sig	chr2_127681718
chr19	1254252	1254252	+	9.796E-10	7.2047E-09	0.208058	hyper	sig	chr19_1254252
chr6	10887070	10887070	+	9.806E-10	7.212E-09	0.200673	hyper	sig	chr6_10887070
chr10	1.33E+08	132851714	+	9.808E-10	7.2129E-09	-0.29853	hypo	sig	chr10_132851714
chr12	6326534	6326534	+	9.81E-10	7.2146E-09	0.275458	hyper	sig	chr12_6326534
chr11	1.21E+08	120517172	+	9.813E-10	7.2168E-09	-0.20262	hypo	sig	chr11_120517172
chr1	26410827	26410827	+	9.826E-10	7.2261E-09	0.222396	hyper	sig	chr1_26410827

chr1	16532734	16532734	+	9.827E-10	7.2264E-09	0.201588	hyper	sig	chr1_16532734
chr7	1.54E+08	153887710	+	9.827E-10	7.2267E-09	0.280857	hyper	sig	chr7_153887710
chr13	78595958	78595958	+	9.829E-10	7.2279E-09	0.218202	hyper	sig	chr13_78595958
chr5	1.5E+08	150150055	+	9.83E-10	7.2281E-09	-0.21457	hypo	sig	chr5_150150055
chr1	1.19E+08	118988470	+	9.833E-10	7.2307E-09	0.200196	hyper	sig	chr1_118988470
chr7	73829814	73829814	+	9.84E-10	7.235E-09	-0.27972	hypo	sig	chr7_73829814
chr15	67826518	67826518	+	9.841E-10	7.2359E-09	0.284331	hyper	sig	chr15_67826518
chr17	82368125	82368125	+	9.848E-10	7.2413E-09	-0.21888	hypo	sig	chr17_82368125
chr4	15615163	15615163	+	9.86E-10	7.2494E-09	0.218884	hyper	sig	chr4_15615163
chr19	12770002	12770002	+	9.875E-10	7.2608E-09	0.201398	hyper	sig	chr19_12770002
chr5	602053	602053	+	9.877E-10	7.2619E-09	-0.22999	hypo	sig	chr5_602053
chr6	10390007	10390007	+	9.882E-10	7.2654E-09	0.266054	hyper	sig	chr6_10390007
chr12	1.32E+08	132322969	+	9.887E-10	7.2688E-09	0.229936	hyper	sig	chr12_132322969
chr4	41866157	41866157	+	9.889E-10	7.2698E-09	0.239715	hyper	sig	chr4_41866157
chr5	1.41E+08	141427616	+	9.89E-10	7.2705E-09	0.226393	hyper	sig	chr5_141427616
chr6	82363051	82363051	+	9.891E-10	7.2716E-09	0.265451	hyper	sig	chr6_82363051
chr2	9473652	9473652	+	9.898E-10	7.2761E-09	-0.20883	hypo	sig	chr2_9473652
chr13	27796838	27796838	+	9.898E-10	7.2761E-09	0.238103	hyper	sig	chr13_27796838
chr7	97026439	97026439	+	9.9E-10	7.2777E-09	0.222407	hyper	sig	chr7_97026439
chr4	2438034	2438034	+	9.911E-10	7.2857E-09	-0.2192	hypo	sig	chr4_2438034
chr20	1947352	1947352	+	9.921E-10	7.2927E-09	0.222243	hyper	sig	chr20_1947352
chr17	17028552	17028552	+	9.928E-10	7.2972E-09	-0.21842	hypo	sig	chr17_17028552
chr8	48659930	48659930	+	9.932E-10	7.2999E-09	-0.20472	hypo	sig	chr8_48659930
chr11	64972160	64972160	+	9.935E-10	7.3025E-09	0.275191	hyper	sig	chr11_64972160
chr4	305549	305549	+	9.94E-10	7.3061E-09	0.228233	hyper	sig	chr4_305549
chr5	73230859	73230859	+	9.946E-10	7.31E-09	0.256727	hyper	sig	chr5_73230859
chr11	17718998	17718998	+	9.951E-10	7.3135E-09	0.207465	hyper	sig	chr11_17718998
chr3	13623541	13623541	+	9.962E-10	7.3212E-09	-0.21022	hypo	sig	chr3_13623541
chr5	1.41E+08	141432911	+	9.966E-10	7.3246E-09	0.212582	hyper	sig	chr5_141432911
chr12	1.29E+08	128945505	+	9.973E-10	7.3295E-09	-0.2051	hypo	sig	chr12_128945505
chr15	95327211	95327211	+	9.978E-10	7.3329E-09	0.220287	hyper	sig	chr15_95327211
chr6	29676891	29676891	+	9.979E-10	7.3331E-09	-0.262	hypo	sig	chr6_29676891
chr16	88497784	88497784	+	9.985E-10	7.3378E-09	0.250863	hyper	sig	chr16_88497784
chr7	35455224	35455224	+	9.986E-10	7.3383E-09	0.239263	hyper	sig	chr7_35455224
chr16	55328844	55328844	+	9.991E-10	7.3417E-09	0.224907	hyper	sig	chr16_55328844
chr7	1753083	1753083	+	9.992E-10	7.3424E-09	-0.28217	hypo	sig	chr7_1753083
chr12	49292836	49292836	+	9.997E-10	7.3456E-09	-0.20397	hypo	sig	chr12_49292836
chr10	3118727	3118727	+	9.999E-10	7.3466E-09	-0.26789	hypo	sig	chr10_3118727
chr1	2207879	2207879	+	1E-09	7.349E-09	0.250344	hyper	sig	chr1_2207879
chr4	1.9E+08	189608128	+	1E-09	7.3491E-09	-0.24195	hypo	sig	chr4_189608128
chr12	1.21E+08	121240917	+	1E-09	7.3498E-09	0.237283	hyper	sig	chr12_121240917
chr4	1494096	1494096	+	1.001E-09	7.3531E-09	-0.23058	hypo	sig	chr4_1494096
chr2	3595147	3595147	+	1.001E-09	7.3532E-09	0.221585	hyper	sig	chr2_3595147
chr7	1940719	1940719	+	1.001E-09	7.354E-09	-0.20186	hypo	sig	chr7_1940719
chr16	84851557	84851557	+	1.002E-09	7.3613E-09	-0.29113	hypo	sig	chr16_84851557
chr16	88880586	88880586	+	1.002E-09	7.3616E-09	0.21479	hyper	sig	chr16_88880586
chr17	1005543	1005543	+	1.003E-09	7.3661E-09	0.252031	hyper	sig	chr17_1005543
chr22	25179265	25179265	+	1.003E-09	7.3662E-09	0.227159	hyper	sig	chr22_25179265
chr6	30731128	30731128	+	1.003E-09	7.3692E-09	-0.20443	hypo	sig	chr6_30731128
chr16	67161896	67161896	+	1.003E-09	7.37E-09	0.202062	hyper	sig	chr16_67161896
chr20	63177402	63177402	+	1.003E-09	7.3715E-09	0.273115	hyper	sig	chr20_63177402
chr14	37602571	37602571	+	1.004E-09	7.3717E-09	0.260294	hyper	sig	chr14_37602571
chr1	11777882	11777882	+	1.004E-09	7.3739E-09	-0.21428	hypo	sig	chr1_11777882
chr6	26743550	26743550	+	1.004E-09	7.3766E-09	0.229273	hyper	sig	chr6_26743550
chr11	75428751	75428751	+	1.006E-09	7.3887E-09	0.249513	hyper	sig	chr11_75428751
chr3	1.24E+08	124384174	+	1.006E-09	7.3897E-09	-0.23662	hypo	sig	chr3_124384174

chr1	13584299	13584299	+	1.008E-09	7.4E-09	0.200493	hyper	sig	chr1_13584299
chr4	41359792	41359792	+	1.008E-09	7.4007E-09	-0.2286	hypo	sig	chr4_41359792
chr5	1852060	1852060	+	1.008E-09	7.4023E-09	0.2774	hyper	sig	chr5_1852060
chr4	3772094	3772094	+	1.009E-09	7.4089E-09	-0.21922	hypo	sig	chr4_3772094
chr17	79408528	79408528	+	1.009E-09	7.411E-09	-0.23815	hypo	sig	chr17_79408528
chr8	1.42E+08	141945215	+	1.01E-09	7.4142E-09	-0.28742	hypo	sig	chr8_141945215
chr12	1820325	1820325	+	1.01E-09	7.4181E-09	0.247462	hyper	sig	chr12_1820325
chr3	1.2E+08	119703436	+	1.011E-09	7.4228E-09	0.226019	hyper	sig	chr3_119703436
chr2	95025265	95025265	+	1.013E-09	7.4388E-09	0.256562	hyper	sig	chr2_95025265
chr12	1.32E+08	131848792	+	1.014E-09	7.4429E-09	-0.2069	hypo	sig	chr12_131848792
chr16	761141	761141	+	1.016E-09	7.4583E-09	-0.27098	hypo	sig	chr16_761141
chr9	94607509	94607509	+	1.016E-09	7.4619E-09	-0.22935	hypo	sig	chr9_94607509
chr4	5022544	5022544	+	1.017E-09	7.4673E-09	-0.20279	hypo	sig	chr4_5022544
chr1	9349751	9349751	+	1.017E-09	7.4676E-09	0.208604	hyper	sig	chr1_9349751
chr5	35893130	35893130	+	1.017E-09	7.4679E-09	-0.24677	hypo	sig	chr5_35893130
chr8	53878036	53878036	+	1.017E-09	7.468E-09	0.205097	hyper	sig	chr8_53878036
chr8	1.43E+08	142787586	+	1.017E-09	7.4687E-09	-0.2461	hypo	sig	chr8_142787586
chr20	45098381	45098381	+	1.017E-09	7.4687E-09	0.292347	hyper	sig	chr20_45098381
chr13	1.12E+08	112450537	+	1.017E-09	7.4691E-09	-0.20997	hypo	sig	chr13_112450537
chr10	1.32E+08	132272602	+	1.018E-09	7.4705E-09	0.284184	hyper	sig	chr10_132272602
chr2	5696256	5696256	+	1.018E-09	7.4723E-09	0.29201	hyper	sig	chr2_5696256
chr3	1.29E+08	128554004	+	1.018E-09	7.4752E-09	-0.21777	hypo	sig	chr3_128554004
chr17	1190813	1190813	+	1.019E-09	7.4763E-09	-0.22919	hypo	sig	chr17_1190813
chr14	60485565	60485565	+	1.019E-09	7.477E-09	0.20401	hyper	sig	chr14_60485565
chr16	86196373	86196373	+	1.019E-09	7.4771E-09	0.211371	hyper	sig	chr16_86196373
chr17	7852265	7852265	+	1.02E-09	7.483E-09	0.216695	hyper	sig	chr17_7852265
chr12	1.32E+08	132352729	+	1.02E-09	7.4835E-09	-0.22802	hypo	sig	chr12_132352729
chr13	1.11E+08	111093090	+	1.021E-09	7.4916E-09	-0.2345	hypo	sig	chr13_111093090
chr6	1.06E+08	105981639	+	1.021E-09	7.4922E-09	0.212967	hyper	sig	chr6_105981639
chr9	97077385	97077385	+	1.021E-09	7.4927E-09	0.2795	hyper	sig	chr9_97077385
chr7	1.2E+08	120274783	+	1.021E-09	7.4949E-09	-0.20907	hypo	sig	chr7_120274783
chr20	38646862	38646862	+	1.022E-09	7.5018E-09	0.207998	hyper	sig	chr20_38646862
chr20	63177407	63177407	+	1.022E-09	7.5018E-09	0.261374	hyper	sig	chr20_63177407
chr5	1.42E+08	141883246	+	1.022E-09	7.503E-09	0.236335	hyper	sig	chr5_141883246
chr2	42100926	42100926	+	1.022E-09	7.5031E-09	0.228016	hyper	sig	chr2_42100926
chr12	34300430	34300430	+	1.023E-09	7.5042E-09	-0.25105	hypo	sig	chr12_34300430
chr3	1.29E+08	129046014	+	1.025E-09	7.524E-09	0.24785	hyper	sig	chr3_129046014
chr20	50799556	50799556	+	1.026E-09	7.531E-09	0.237871	hyper	sig	chr20_50799556
chr10	1.31E+08	131310689	+	1.026E-09	7.5319E-09	0.255586	hyper	sig	chr10_131310689
chr1	1599114	1599114	+	1.028E-09	7.541E-09	0.219159	hyper	sig	chr1_1599114
chr12	85279634	85279634	+	1.029E-09	7.5502E-09	0.234972	hyper	sig	chr12_85279634
chr15	22835430	22835430	+	1.029E-09	7.5515E-09	-0.20263	hypo	sig	chr15_22835430
chr10	93065581	93065581	+	1.029E-09	7.5524E-09	0.211954	hyper	sig	chr10_93065581
chr17	63989196	63989196	+	1.029E-09	7.5526E-09	0.234158	hyper	sig	chr17_63989196
chr17	45998269	45998269	+	1.03E-09	7.5536E-09	-0.20414	hypo	sig	chr17_45998269
chr1	3146020	3146020	+	1.03E-09	7.5562E-09	0.22667	hyper	sig	chr1_3146020
chr10	1.01E+08	101001113	+	1.03E-09	7.5569E-09	0.261478	hyper	sig	chr10_101001113
chr16	281393	281393	+	1.031E-09	7.56E-09	0.212365	hyper	sig	chr16_281393
chr9	1.09E+08	109167423	+	1.031E-09	7.5647E-09	0.262251	hyper	sig	chr9_109167423
chr7	1.53E+08	152922564	+	1.033E-09	7.579E-09	-0.22282	hypo	sig	chr7_152922564
chr10	1.3E+08	129899011	+	1.034E-09	7.5873E-09	0.211974	hyper	sig	chr10_129899011
chr20	52106091	52106091	+	1.035E-09	7.591E-09	0.232731	hyper	sig	chr20_52106091
chr1	1.81E+08	181485647	+	1.036E-09	7.5971E-09	0.210071	hyper	sig	chr1_181485647
chr16	67399733	67399733	+	1.036E-09	7.598E-09	0.209689	hyper	sig	chr16_67399733
chr19	51327999	51327999	+	1.036E-09	7.598E-09	0.205632	hyper	sig	chr19_51327999
chr20	62556869	62556869	+	1.037E-09	7.6069E-09	-0.23992	hypo	sig	chr20_62556869

chr7	1.5E+08	150340834	+	1.038E-09	7.6111E-09	0.231535	hyper	sig	chr7_150340834
chr2	73175373	73175373	+	1.039E-09	7.6158E-09	0.261388	hyper	sig	chr2_73175373
chr19	51003632	51003632	+	1.039E-09	7.6184E-09	-0.26855	hypo	sig	chr19_51003632
chr1	1.45E+08	145168760	+	1.039E-09	7.6187E-09	0.202989	hyper	sig	chr1_145168760
chr1	2327821	2327821	+	1.041E-09	7.6331E-09	-0.26878	hypo	sig	chr1_2327821
chr13	99978054	99978054	+	1.042E-09	7.6397E-09	0.237624	hyper	sig	chr13_99978054
chr17	50781465	50781465	+	1.043E-09	7.6441E-09	0.202752	hyper	sig	chr17_50781465
chr6	1.66E+08	166165610	+	1.043E-09	7.6441E-09	0.20054	hyper	sig	chr6_166165610
chr7	1395429	1395429	+	1.043E-09	7.6453E-09	0.229419	hyper	sig	chr7_1395429
chr13	99960995	99960995	+	1.044E-09	7.652E-09	0.313337	hyper	sig	chr13_99960995
chr15	95327066	95327066	+	1.045E-09	7.6598E-09	0.200986	hyper	sig	chr15_95327066
chr1	2.01E+08	201127171	+	1.045E-09	7.6601E-09	-0.23557	hypo	sig	chr1_201127171
chr5	1.41E+08	141423213	+	1.045E-09	7.6628E-09	0.214271	hyper	sig	chr5_141423213
chr2	20220985	20220985	+	1.045E-09	7.663E-09	-0.25275	hypo	sig	chr2_20220985
chr3	1.95E+08	195035665	+	1.045E-09	7.663E-09	0.218623	hyper	sig	chr3_195035665
chr20	21391824	21391824	+	1.045E-09	7.6637E-09	0.250528	hyper	sig	chr20_21391824
chr1	2.36E+08	235642376	+	1.045E-09	7.6638E-09	-0.23141	hypo	sig	chr1_235642376
chr8	1.42E+08	141945209	+	1.046E-09	7.6648E-09	-0.20536	hypo	sig	chr8_141945209
chr4	8108519	8108519	+	1.046E-09	7.6651E-09	-0.23234	hypo	sig	chr4_8108519
chr12	1.13E+08	113476231	+	1.046E-09	7.671E-09	0.21081	hyper	sig	chr12_113476231
chr11	1.26E+08	126406184	+	1.047E-09	7.6718E-09	-0.2069	hypo	sig	chr11_126406184
chr5	2757114	2757114	+	1.048E-09	7.6806E-09	0.201363	hyper	sig	chr5_2757114
chr1	3323127	3323127	+	1.048E-09	7.6826E-09	-0.25701	hypo	sig	chr1_3323127
chr17	79925822	79925822	+	1.048E-09	7.6852E-09	-0.2954	hypo	sig	chr17_79925822
chr9	1.28E+08	128149353	+	1.049E-09	7.6892E-09	-0.21651	hypo	sig	chr9_128149353
chr10	1.02E+08	102240689	+	1.05E-09	7.6934E-09	0.216628	hyper	sig	chr10_102240689
chr6	35493824	35493824	+	1.05E-09	7.695E-09	0.276758	hyper	sig	chr6_35493824
chr10	1.33E+08	133219851	+	1.05E-09	7.6959E-09	0.203509	hyper	sig	chr10_133219851
chr4	386740	386740	+	1.051E-09	7.7038E-09	0.207033	hyper	sig	chr4_386740
chr1	3673407	3673407	+	1.052E-09	7.7105E-09	-0.20839	hypo	sig	chr1_3673407
chr10	1.34E+08	133622606	+	1.052E-09	7.7116E-09	0.248792	hyper	sig	chr10_133622606
chr8	68332211	68332211	+	1.053E-09	7.7147E-09	0.236712	hyper	sig	chr8_68332211
chr9	89695526	89695526	+	1.053E-09	7.7148E-09	-0.23194	hypo	sig	chr9_89695526
chr1	1.47E+08	147081052	+	1.053E-09	7.7149E-09	0.217118	hyper	sig	chr1_147081052
chr14	52960713	52960713	+	1.053E-09	7.7188E-09	-0.21066	hypo	sig	chr14_52960713
chr17	260453	260453	+	1.053E-09	7.7193E-09	0.263235	hyper	sig	chr17_260453
chr9	1.37E+08	136527675	+	1.053E-09	7.7196E-09	-0.22966	hypo	sig	chr9_136527675
chr9	1.36E+08	135501815	+	1.054E-09	7.7228E-09	0.215509	hyper	sig	chr9_135501815
chr1	1.56E+08	156161498	+	1.054E-09	7.7233E-09	0.279623	hyper	sig	chr1_156161498
chr1	1.21E+08	121118254	+	1.054E-09	7.7246E-09	0.218138	hyper	sig	chr1_121118254
chr7	1.57E+08	156604928	+	1.055E-09	7.7327E-09	-0.20633	hypo	sig	chr7_156604928
chr2	3595039	3595039	+	1.056E-09	7.7405E-09	0.213713	hyper	sig	chr2_3595039
chr2	2.42E+08	241843174	+	1.056E-09	7.7407E-09	-0.20775	hypo	sig	chr2_241843174
chr16	86499350	86499350	+	1.057E-09	7.7431E-09	0.208317	hyper	sig	chr16_86499350
chr7	4172070	4172070	+	1.058E-09	7.7519E-09	-0.23367	hypo	sig	chr7_4172070
chr2	2027257	2027257	+	1.058E-09	7.7543E-09	-0.2172	hypo	sig	chr2_2027257
chr11	95037404	95037404	+	1.059E-09	7.7549E-09	0.245995	hyper	sig	chr11_95037404
chr2	25276898	25276898	+	1.06E-09	7.7621E-09	0.243525	hyper	sig	chr2_25276898
chr1	21944330	21944330	+	1.06E-09	7.7646E-09	0.231372	hyper	sig	chr1_21944330
chr7	1.24E+08	124033897	+	1.06E-09	7.7675E-09	0.262338	hyper	sig	chr7_124033897
chr15	63602097	63602097	+	1.06E-09	7.7676E-09	-0.26045	hypo	sig	chr15_63602097
chr3	1.93E+08	192515347	+	1.06E-09	7.768E-09	0.241622	hyper	sig	chr3_192515347
chr2	19352099	19352099	+	1.061E-09	7.7726E-09	0.21184	hyper	sig	chr2_19352099
chr2	2.42E+08	241820440	+	1.062E-09	7.7762E-09	-0.24271	hypo	sig	chr2_241820440
chr4	690040	690040	+	1.063E-09	7.7843E-09	-0.222	hypo	sig	chr4_690040
chr4	4864727	4864727	+	1.063E-09	7.7887E-09	0.24689	hyper	sig	chr4_4864727

chr2	2.33E+08	232634829	+	1.064E-09	7.7912E-09	0.226494	hyper	sig	chr2_232634829
chr19	49038829	49038829	+	1.064E-09	7.7915E-09	-0.21495	hypo	sig	chr19_49038829
chr17	81330895	81330895	+	1.064E-09	7.7919E-09	-0.21655	hypo	sig	chr17_81330895
chr2	1.76E+08	176083338	+	1.064E-09	7.7961E-09	0.234432	hyper	sig	chr2_176083338
chr1	6361354	6361354	+	1.065E-09	7.8024E-09	-0.20694	hypo	sig	chr1_6361354
chr2	1.24E+08	124025305	+	1.065E-09	7.8024E-09	0.203833	hyper	sig	chr2_124025305
chr10	1.33E+08	132851711	+	1.066E-09	7.8075E-09	-0.29029	hypo	sig	chr10_132851711
chr11	61534761	61534761	+	1.067E-09	7.8123E-09	-0.23773	hypo	sig	chr11_61534761
chr1	6474791	6474791	+	1.067E-09	7.8168E-09	-0.208	hypo	sig	chr1_6474791
chr5	73452168	73452168	+	1.069E-09	7.8311E-09	0.210667	hyper	sig	chr5_73452168
chr7	1.55E+08	155071253	+	1.07E-09	7.8338E-09	0.202512	hyper	sig	chr7_155071253
chr2	3702996	3702996	+	1.07E-09	7.8366E-09	0.215935	hyper	sig	chr2_3702996
chr6	55578935	55578935	+	1.07E-09	7.8367E-09	0.222067	hyper	sig	chr6_55578935
chr6	1.06E+08	105992997	+	1.071E-09	7.839E-09	0.204615	hyper	sig	chr6_105992997
chr21	33024769	33024769	+	1.071E-09	7.8422E-09	0.203971	hyper	sig	chr21_33024769
chr7	4845895	4845895	+	1.072E-09	7.8519E-09	-0.2065	hypo	sig	chr7_4845895
chr7	1.57E+08	157302623	+	1.073E-09	7.8529E-09	-0.23697	hypo	sig	chr7_157302623
chr5	88678597	88678597	+	1.073E-09	7.8554E-09	0.225041	hyper	sig	chr5_88678597
chr4	1.57E+08	157222765	+	1.074E-09	7.8599E-09	0.205954	hyper	sig	chr4_157222765
chr6	10887078	10887078	+	1.074E-09	7.8653E-09	0.20983	hyper	sig	chr6_10887078
chr15	52784691	52784691	+	1.075E-09	7.8696E-09	0.236044	hyper	sig	chr15_52784691
chr15	74132753	74132753	+	1.075E-09	7.8696E-09	0.221902	hyper	sig	chr15_74132753
chr13	1.13E+08	112674595	+	1.075E-09	7.8722E-09	-0.33477	hypo	sig	chr13_112674595
chr19	1133045	1133045	+	1.075E-09	7.8723E-09	-0.28038	hypo	sig	chr19_1133045
chr17	14295068	14295068	+	1.075E-09	7.8725E-09	0.242945	hyper	sig	chr17_14295068
chr9	1.37E+08	137139564	+	1.076E-09	7.8794E-09	0.220628	hyper	sig	chr9_137139564
chr9	96924916	96924916	+	1.078E-09	7.8874E-09	0.205135	hyper	sig	chr9_96924916
chr8	1.43E+08	143261718	+	1.078E-09	7.8895E-09	-0.25847	hypo	sig	chr8_143261718
chr11	61008604	61008604	+	1.078E-09	7.8927E-09	0.232382	hyper	sig	chr11_61008604
chr12	34290735	34290735	+	1.079E-09	7.8972E-09	-0.26084	hypo	sig	chr12_34290735
chr4	1309867	1309867	+	1.08E-09	7.9046E-09	0.221464	hyper	sig	chr4_1309867
chr8	10547869	10547869	+	1.081E-09	7.9124E-09	-0.23499	hypo	sig	chr8_10547869
chr7	32299442	32299442	+	1.081E-09	7.9126E-09	0.220317	hyper	sig	chr7_32299442
chr5	1.41E+08	141423255	+	1.081E-09	7.9148E-09	0.217282	hyper	sig	chr5_141423255
chr6	1.18E+08	117548273	+	1.082E-09	7.9158E-09	0.200061	hyper	sig	chr6_117548273
chr5	3597299	3597299	+	1.082E-09	7.9213E-09	0.278685	hyper	sig	chr5_3597299
chr11	32437025	32437025	+	1.083E-09	7.9294E-09	0.221483	hyper	sig	chr11_32437025
chr7	1.58E+08	157736775	+	1.084E-09	7.9301E-09	0.200554	hyper	sig	chr7_157736775
chr11	71424006	71424006	+	1.085E-09	7.9395E-09	-0.23272	hypo	sig	chr11_71424006
chr11	1489432	1489432	+	1.086E-09	7.9487E-09	0.202789	hyper	sig	chr11_1489432
chr5	1.59E+08	159095428	+	1.086E-09	7.9494E-09	0.228535	hyper	sig	chr5_159095428
chr8	1.4E+08	139918710	+	1.087E-09	7.954E-09	0.238356	hyper	sig	chr8_139918710
chr5	1.77E+08	177367017	+	1.087E-09	7.956E-09	0.270666	hyper	sig	chr5_177367017
chr12	53218735	53218735	+	1.087E-09	7.9561E-09	0.236775	hyper	sig	chr12_53218735
chr8	2000708	2000708	+	1.088E-09	7.9581E-09	-0.21328	hypo	sig	chr8_2000708
chr2	2.02E+08	201619145	+	1.088E-09	7.9581E-09	0.217944	hyper	sig	chr2_201619145
chr19	2867324	2867324	+	1.089E-09	7.9706E-09	-0.2049	hypo	sig	chr19_2867324
chr16	29217627	29217627	+	1.09E-09	7.9736E-09	-0.21882	hypo	sig	chr16_29217627
chr8	1.44E+08	143944654	+	1.09E-09	7.9761E-09	0.215395	hyper	sig	chr8_143944654
chr16	68235246	68235246	+	1.091E-09	7.9828E-09	-0.28113	hypo	sig	chr16_68235246
chr4	6657987	6657987	+	1.091E-09	7.985E-09	0.216511	hyper	sig	chr4_6657987
chr11	70661746	70661746	+	1.092E-09	7.9868E-09	0.251765	hyper	sig	chr11_70661746
chr1	12594973	12594973	+	1.092E-09	7.9874E-09	0.315965	hyper	sig	chr1_12594973
chr13	1.14E+08	114063611	+	1.093E-09	7.9947E-09	0.272571	hyper	sig	chr13_114063611
chr1	92441884	92441884	+	1.093E-09	7.9956E-09	-0.23203	hypo	sig	chr1_92441884
chr18	77968652	77968652	+	1.093E-09	7.9983E-09	-0.20536	hypo	sig	chr18_77968652

chr12	1.11E+08	111397511	+	1.094E-09	8.0021E-09	-0.21112	hypo	sig	chr12_111397511
chr17	60560159	60560159	+	1.095E-09	8.0067E-09	-0.25616	hypo	sig	chr17_60560159
chr2	1.15E+08	115162463	+	1.095E-09	8.0091E-09	0.202279	hyper	sig	chr2_115162463
chr12	1.14E+08	114414445	+	1.095E-09	8.0092E-09	0.288502	hyper	sig	chr12_114414445
chr7	35451183	35451183	+	1.096E-09	8.0195E-09	-0.23832	hypo	sig	chr7_35451183
chr17	46977991	46977991	+	1.097E-09	8.0207E-09	0.249826	hyper	sig	chr17_46977991
chr21	44753290	44753290	+	1.097E-09	8.0216E-09	-0.20349	hypo	sig	chr21_44753290
chr16	86495032	86495032	+	1.097E-09	8.0222E-09	0.229712	hyper	sig	chr16_86495032
chr5	1.77E+08	177492738	+	1.097E-09	8.0227E-09	0.211388	hyper	sig	chr5_177492738
chr16	31569590	31569590	+	1.098E-09	8.0321E-09	0.216317	hyper	sig	chr16_31569590
chr10	12825735	12825735	+	1.1E-09	8.0455E-09	0.285806	hyper	sig	chr10_12825735
chr7	45572770	45572770	+	1.1E-09	8.046E-09	-0.24215	hypo	sig	chr7_45572770
chr2	86861166	86861166	+	1.101E-09	8.0507E-09	-0.21763	hypo	sig	chr2_86861166
chr2	20671505	20671505	+	1.101E-09	8.0522E-09	0.219156	hyper	sig	chr2_20671505
chr10	47375329	47375329	+	1.101E-09	8.0535E-09	0.234771	hyper	sig	chr10_47375329
chr16	4948979	4948979	+	1.102E-09	8.0566E-09	-0.21732	hypo	sig	chr16_4948979
chr6	33172013	33172013	+	1.102E-09	8.0594E-09	-0.23472	hypo	sig	chr6_33172013
chr5	1.78E+08	177996378	+	1.104E-09	8.0716E-09	0.250323	hyper	sig	chr5_177996378
chr7	80919850	80919850	+	1.104E-09	8.0726E-09	-0.20712	hypo	sig	chr7_80919850
chr1	19480349	19480349	+	1.104E-09	8.0751E-09	0.205914	hyper	sig	chr1_19480349
chr10	73656141	73656141	+	1.104E-09	8.0759E-09	0.253267	hyper	sig	chr10_73656141
chr19	5536920	5536920	+	1.105E-09	8.077E-09	0.206253	hyper	sig	chr19_5536920
chr22	48396930	48396930	+	1.105E-09	8.081E-09	-0.22552	hypo	sig	chr22_48396930
chr19	54906172	54906172	+	1.106E-09	8.0876E-09	0.21822	hyper	sig	chr19_54906172
chr10	1732679	1732679	+	1.106E-09	8.0882E-09	-0.26773	hypo	sig	chr10_1732679
chr9	98190553	98190553	+	1.106E-09	8.0893E-09	-0.21103	hypo	sig	chr9_98190553
chr1	3699934	3699934	+	1.107E-09	8.0938E-09	0.261655	hyper	sig	chr1_3699934
chr2	1.94E+08	194090849	+	1.107E-09	8.0964E-09	-0.20576	hypo	sig	chr2_194090849
chr3	14298059	14298059	+	1.108E-09	8.0977E-09	0.206699	hyper	sig	chr3_14298059
chr3	27723975	27723975	+	1.108E-09	8.0994E-09	0.210281	hyper	sig	chr3_27723975
chr7	2932425	2932425	+	1.108E-09	8.1013E-09	-0.27206	hypo	sig	chr7_2932425
chr12	1.32E+08	132426470	+	1.109E-09	8.1077E-09	-0.24515	hypo	sig	chr12_132426470
chr7	24285738	24285738	+	1.11E-09	8.1121E-09	0.236673	hyper	sig	chr7_24285738
chr18	5196462	5196462	+	1.11E-09	8.1132E-09	0.241907	hyper	sig	chr18_5196462
chr5	1194090	1194090	+	1.11E-09	8.1142E-09	-0.28187	hypo	sig	chr5_1194090
chr20	24469032	24469032	+	1.113E-09	8.1329E-09	0.203323	hyper	sig	chr20_24469032
chr12	65729509	65729509	+	1.113E-09	8.1347E-09	0.241958	hyper	sig	chr12_65729509
chr16	66551554	66551554	+	1.114E-09	8.1442E-09	-0.25171	hypo	sig	chr16_66551554
chr16	54281811	54281811	+	1.114E-09	8.1458E-09	0.230494	hyper	sig	chr16_54281811
chr14	19679597	19679597	+	1.115E-09	8.1493E-09	-0.22825	hypo	sig	chr14_19679597
chr2	1.27E+08	126772037	+	1.116E-09	8.157E-09	-0.24521	hypo	sig	chr2_126772037
chr15	89647923	89647923	+	1.117E-09	8.1615E-09	-0.21702	hypo	sig	chr15_89647923
chr21	36706719	36706719	+	1.117E-09	8.1661E-09	0.240105	hyper	sig	chr21_36706719
chr15	65332949	65332949	+	1.118E-09	8.169E-09	-0.21265	hypo	sig	chr15_65332949
chr20	24142348	24142348	+	1.118E-09	8.1706E-09	-0.20177	hypo	sig	chr20_24142348
chr9	97077447	97077447	+	1.12E-09	8.1809E-09	0.209636	hyper	sig	chr9_97077447
chr3	50269549	50269549	+	1.121E-09	8.1887E-09	0.22348	hyper	sig	chr3_50269549
chr14	1.07E+08	106845064	+	1.121E-09	8.19E-09	-0.22236	hypo	sig	chr14_106845064
chr9	1.37E+08	137453574	+	1.121E-09	8.1926E-09	0.258385	hyper	sig	chr9_137453574
chr5	1.41E+08	140876785	+	1.121E-09	8.1938E-09	0.216894	hyper	sig	chr5_140876785
chr2	2.2E+08	219562435	+	1.122E-09	8.1949E-09	-0.21091	hypo	sig	chr2_219562435
chr16	54939256	54939256	+	1.122E-09	8.1977E-09	0.29876	hyper	sig	chr16_54939256
chr7	1387122	1387122	+	1.122E-09	8.1987E-09	-0.20786	hypo	sig	chr7_1387122
chr10	1.17E+08	117133648	+	1.123E-09	8.2044E-09	0.216137	hyper	sig	chr10_117133648
chr11	31815814	31815814	+	1.126E-09	8.2251E-09	0.207372	hyper	sig	chr11_31815814
chr11	1.34E+08	134384773	+	1.127E-09	8.2301E-09	-0.20694	hypo	sig	chr11_134384773

chr5	1.71E+08	171433458	+	1.128E-09	8.2383E-09	-0.28322	hypo	sig	chr5_171433458
chr17	78880003	78880003	+	1.128E-09	8.2391E-09	0.202864	hyper	sig	chr17_78880003
chr4	17781870	17781870	+	1.128E-09	8.2412E-09	0.294815	hyper	sig	chr4_17781870
chr10	1212070	1212070	+	1.13E-09	8.2532E-09	-0.22833	hypo	sig	chr10_1212070
chr12	6167891	6167891	+	1.131E-09	8.2601E-09	-0.23234	hypo	sig	chr12_6167891
chr4	11369184	11369184	+	1.133E-09	8.2718E-09	0.201727	hyper	sig	chr4_11369184
chr19	57583701	57583701	+	1.133E-09	8.2726E-09	0.217454	hyper	sig	chr19_57583701
chr7	1237445	1237445	+	1.133E-09	8.2743E-09	0.335577	hyper	sig	chr7_1237445
chr1	3388551	3388551	+	1.133E-09	8.2763E-09	-0.22568	hypo	sig	chr1_3388551
chr17	44210851	44210851	+	1.134E-09	8.2805E-09	0.216174	hyper	sig	chr17_44210851
chr17	81556599	81556599	+	1.135E-09	8.2877E-09	-0.2515	hypo	sig	chr17_81556599
chr4	1.83E+08	183399533	+	1.135E-09	8.2887E-09	-0.21986	hypo	sig	chr4_183399533
chr16	34161733	34161733	+	1.136E-09	8.2962E-09	0.236556	hyper	sig	chr16_34161733
chr2	2.41E+08	241101539	+	1.137E-09	8.2996E-09	-0.21493	hypo	sig	chr2_241101539
chr3	1.93E+08	192727118	+	1.139E-09	8.3173E-09	0.25043	hyper	sig	chr3_192727118
chr11	63762948	63762948	+	1.139E-09	8.3184E-09	0.237452	hyper	sig	chr11_63762948
chr1	3178144	3178144	+	1.14E-09	8.3203E-09	0.212034	hyper	sig	chr1_3178144
chr5	1.35E+08	135040859	+	1.141E-09	8.3289E-09	0.208785	hyper	sig	chr5_135040859
chr10	1.17E+08	117140782	+	1.141E-09	8.3297E-09	0.251659	hyper	sig	chr10_117140782
chr16	88957307	88957307	+	1.142E-09	8.3341E-09	-0.2835	hypo	sig	chr16_88957307
chr7	1.55E+08	155071297	+	1.142E-09	8.3349E-09	0.207117	hyper	sig	chr7_155071297
chr6	10887074	10887074	+	1.144E-09	8.3477E-09	0.203201	hyper	sig	chr6_10887074
chr1	2.28E+08	228471358	+	1.144E-09	8.3517E-09	0.217228	hyper	sig	chr1_228471358
chr7	27210318	27210318	+	1.145E-09	8.3597E-09	-0.29663	hypo	sig	chr7_27210318
chr15	24878434	24878434	+	1.146E-09	8.3628E-09	0.268082	hyper	sig	chr15_24878434
chr1	33307396	33307396	+	1.146E-09	8.3631E-09	0.252335	hyper	sig	chr1_33307396
chr10	1.27E+08	126906450	+	1.146E-09	8.3674E-09	0.290619	hyper	sig	chr10_126906450
chr21	36705076	36705076	+	1.146E-09	8.368E-09	0.230962	hyper	sig	chr21_36705076
chr6	1.44E+08	144187242	+	1.147E-09	8.3695E-09	0.211905	hyper	sig	chr6_144187242
chr5	1.41E+08	141152518	+	1.148E-09	8.3765E-09	0.22682	hyper	sig	chr5_141152518
chr11	12248739	12248739	+	1.149E-09	8.3869E-09	-0.22459	hypo	sig	chr11_12248739
chr1	90717501	90717501	+	1.151E-09	8.3985E-09	0.259556	hyper	sig	chr1_90717501
chr9	1.37E+08	137279043	+	1.151E-09	8.4008E-09	0.231056	hyper	sig	chr9_137279043
chr1	1.45E+08	145168781	+	1.152E-09	8.4027E-09	0.215681	hyper	sig	chr1_145168781
chr1	1.19E+08	118983826	+	1.153E-09	8.4152E-09	0.234471	hyper	sig	chr1_118983826
chr3	1.84E+08	184389746	+	1.154E-09	8.4204E-09	-0.22486	hypo	sig	chr3_184389746
chr12	12927389	12927389	+	1.154E-09	8.4212E-09	-0.21852	hypo	sig	chr12_12927389
chr19	18220578	18220578	+	1.155E-09	8.4237E-09	0.21409	hyper	sig	chr19_18220578
chr5	1290868	1290868	+	1.155E-09	8.4273E-09	-0.23889	hypo	sig	chr5_1290868
chr1	1.78E+08	178487003	+	1.155E-09	8.4276E-09	0.250201	hyper	sig	chr1_178487003
chr17	44657201	44657201	+	1.155E-09	8.4277E-09	0.222486	hyper	sig	chr17_44657201
chr1	1648390	1648390	+	1.155E-09	8.4289E-09	-0.21195	hypo	sig	chr1_1648390
chr12	66189034	66189034	+	1.155E-09	8.4301E-09	0.22239	hyper	sig	chr12_66189034
chr1	2.11E+08	210684052	+	1.156E-09	8.4332E-09	-0.25073	hypo	sig	chr1_210684052
chr13	22926014	22926014	+	1.156E-09	8.4345E-09	0.206335	hyper	sig	chr13_22926014
chr17	21513689	21513689	+	1.156E-09	8.4349E-09	-0.20541	hypo	sig	chr17_21513689
chr7	45575861	45575861	+	1.157E-09	8.4372E-09	0.216733	hyper	sig	chr7_45575861
chr2	2.4E+08	240351272	+	1.157E-09	8.441E-09	0.246911	hyper	sig	chr2_240351272
chr2	66438290	66438290	+	1.159E-09	8.4514E-09	0.246835	hyper	sig	chr2_66438290
chr14	99749279	99749279	+	1.161E-09	8.4672E-09	-0.20226	hypo	sig	chr14_99749279
chr12	63821798	63821798	+	1.161E-09	8.4675E-09	0.2351	hyper	sig	chr12_63821798
chr7	4113293	4113293	+	1.161E-09	8.4684E-09	-0.26144	hypo	sig	chr7_4113293
chr19	55858302	55858302	+	1.162E-09	8.4758E-09	-0.23891	hypo	sig	chr19_55858302
chr3	52518824	52518824	+	1.163E-09	8.4814E-09	0.239803	hyper	sig	chr3_52518824
chr8	23714216	23714216	+	1.164E-09	8.4917E-09	0.211076	hyper	sig	chr8_23714216
chr15	1.01E+08	101320730	+	1.166E-09	8.5069E-09	0.210605	hyper	sig	chr15_101320730

chr3	1.26E+08	125756295	+	1.167E-09	8.5085E-09	-0.25421	hypo	sig	chr3_125756295
chr7	63580088	63580088	+	1.167E-09	8.5131E-09	-0.22986	hypo	sig	chr7_63580088
chr17	82321132	82321132	+	1.168E-09	8.516E-09	-0.25095	hypo	sig	chr17_82321132
chr1	1.48E+08	148329578	+	1.169E-09	8.5261E-09	0.201702	hyper	sig	chr1_148329578
chr19	58033748	58033748	+	1.169E-09	8.5262E-09	0.228877	hyper	sig	chr19_58033748
chr17	22217365	22217365	+	1.17E-09	8.5292E-09	0.209645	hyper	sig	chr17_22217365
chr2	72925549	72925549	+	1.17E-09	8.5301E-09	0.204874	hyper	sig	chr2_72925549
chr19	1155226	1155226	+	1.17E-09	8.5326E-09	-0.2007	hypo	sig	chr19_1155226
chr14	1.04E+08	104436395	+	1.171E-09	8.5392E-09	0.24505	hyper	sig	chr14_104436395
chr8	1.42E+08	141618727	+	1.172E-09	8.544E-09	-0.23553	hypo	sig	chr8_141618727
chr19	45783234	45783234	+	1.172E-09	8.5481E-09	0.233648	hyper	sig	chr19_45783234
chr6	29827837	29827837	+	1.173E-09	8.5497E-09	0.205775	hyper	sig	chr6_29827837
chr1	1.52E+08	152108841	+	1.175E-09	8.5637E-09	0.220188	hyper	sig	chr1_152108841
chr13	1.14E+08	113650420	+	1.177E-09	8.5788E-09	-0.20748	hypo	sig	chr13_113650420
chr11	64972094	64972094	+	1.177E-09	8.579E-09	0.266956	hyper	sig	chr11_64972094
chr18	9536012	9536012	+	1.177E-09	8.579E-09	0.250787	hyper	sig	chr18_9536012
chr17	1231595	1231595	+	1.177E-09	8.5815E-09	-0.22332	hypo	sig	chr17_1231595
chr1	3064343	3064343	+	1.177E-09	8.5825E-09	0.248781	hyper	sig	chr1_3064343
chr7	1.57E+08	157498495	+	1.178E-09	8.5853E-09	-0.23926	hypo	sig	chr7_157498495
chr11	526303	526303	+	1.178E-09	8.5885E-09	-0.20974	hypo	sig	chr11_526303
chr12	53973218	53973218	+	1.178E-09	8.5891E-09	0.218064	hyper	sig	chr12_53973218
chr3	8745098	8745098	+	1.18E-09	8.5993E-09	-0.21423	hypo	sig	chr3_8745098
chr15	61216934	61216934	+	1.18E-09	8.6016E-09	-0.22751	hypo	sig	chr15_61216934
chr10	1.33E+08	132984148	+	1.18E-09	8.6023E-09	0.210785	hyper	sig	chr10_132984148
chr1	2.08E+08	207645390	+	1.18E-09	8.6032E-09	0.216323	hyper	sig	chr1_207645390
chr1	1599056	1599056	+	1.182E-09	8.6154E-09	0.211255	hyper	sig	chr1_1599056
chr9	1.35E+08	134771088	+	1.182E-09	8.6154E-09	-0.21123	hypo	sig	chr9_134771088
chr9	1.37E+08	136511900	+	1.183E-09	8.6201E-09	0.20907	hyper	sig	chr9_136511900
chr22	45867777	45867777	+	1.183E-09	8.6248E-09	0.243949	hyper	sig	chr22_45867777
chr12	1.31E+08	131095981	+	1.184E-09	8.6254E-09	-0.23831	hypo	sig	chr12_131095981
chr19	30224798	30224798	+	1.184E-09	8.6295E-09	0.210123	hyper	sig	chr19_30224798
chr7	97010099	97010099	+	1.184E-09	8.6298E-09	0.267118	hyper	sig	chr7_97010099
chr5	1.42E+08	142014331	+	1.185E-09	8.6382E-09	-0.20745	hypo	sig	chr5_142014331
chr11	82732444	82732444	+	1.186E-09	8.6414E-09	0.20572	hyper	sig	chr11_82732444
chr7	1.44E+08	143511534	+	1.186E-09	8.6446E-09	0.273578	hyper	sig	chr7_143511534
chr14	20435754	20435754	+	1.187E-09	8.6475E-09	0.200554	hyper	sig	chr14_20435754
chr13	1.13E+08	112721584	+	1.187E-09	8.6475E-09	-0.23436	hypo	sig	chr13_112721584
chr10	1.23E+08	123148233	+	1.187E-09	8.6494E-09	0.234268	hyper	sig	chr10_123148233
chr20	20365495	20365495	+	1.188E-09	8.6537E-09	0.268258	hyper	sig	chr20_20365495
chr7	1.01E+08	100707082	+	1.188E-09	8.6542E-09	0.206121	hyper	sig	chr7_100707082
chr10	1.34E+08	133529741	+	1.188E-09	8.6545E-09	0.220542	hyper	sig	chr10_133529741
chr1	10704438	10704438	+	1.189E-09	8.6637E-09	0.23563	hyper	sig	chr1_10704438
chr3	1.28E+08	128492668	+	1.191E-09	8.6745E-09	0.228422	hyper	sig	chr3_128492668
chr8	1.44E+08	143843269	+	1.191E-09	8.6781E-09	-0.22698	hypo	sig	chr8_143843269
chr19	56397755	56397755	+	1.191E-09	8.6795E-09	-0.29888	hypo	sig	chr19_56397755
chr1	31617430	31617430	+	1.193E-09	8.6878E-09	0.217702	hyper	sig	chr1_31617430
chr6	1.69E+08	169159917	+	1.193E-09	8.6891E-09	-0.21714	hypo	sig	chr6_169159917
chr20	63341679	63341679	+	1.194E-09	8.6968E-09	-0.22934	hypo	sig	chr20_63341679
chr7	1.53E+08	152736697	+	1.194E-09	8.6974E-09	-0.23657	hypo	sig	chr7_152736697
chr20	3843599	3843599	+	1.195E-09	8.7038E-09	-0.24977	hypo	sig	chr20_3843599
chr17	1472123	1472123	+	1.196E-09	8.7118E-09	0.211558	hyper	sig	chr17_1472123
chr20	20371139	20371139	+	1.197E-09	8.7173E-09	0.227194	hyper	sig	chr20_20371139
chr17	48542521	48542521	+	1.198E-09	8.7286E-09	0.245325	hyper	sig	chr17_48542521
chr16	89248037	89248037	+	1.2E-09	8.7369E-09	0.221634	hyper	sig	chr16_89248037
chr17	48564699	48564699	+	1.2E-09	8.7405E-09	0.266973	hyper	sig	chr17_48564699
chr11	75429782	75429782	+	1.201E-09	8.7456E-09	0.239583	hyper	sig	chr11_75429782

chr16	3193470	3193470	+	1.201E-09	8.7467E-09	0.20263	hyper	sig	chr16_3193470
chr2	73291111	73291111	+	1.201E-09	8.7491E-09	0.207662	hyper	sig	chr2_73291111
chr1	2.03E+08	202600459	+	1.202E-09	8.7564E-09	-0.21776	hypo	sig	chr1_202600459
chr9	92809619	92809619	+	1.204E-09	8.7705E-09	0.207232	hyper	sig	chr9_92809619
chr9	1.28E+08	128455243	+	1.205E-09	8.7718E-09	-0.21404	hypo	sig	chr9_128455243
chr8	22549587	22549587	+	1.205E-09	8.7743E-09	-0.25334	hypo	sig	chr8_22549587
chr15	45660527	45660527	+	1.205E-09	8.7761E-09	0.206119	hyper	sig	chr15_45660527
chr19	14114273	14114273	+	1.206E-09	8.7794E-09	-0.2389	hypo	sig	chr19_14114273
chr2	91747382	91747382	+	1.206E-09	8.7839E-09	-0.21038	hypo	sig	chr2_91747382
chr3	51718127	51718127	+	1.206E-09	8.7844E-09	-0.22809	hypo	sig	chr3_51718127
chr4	54230484	54230484	+	1.207E-09	8.7886E-09	0.207344	hyper	sig	chr4_54230484
chr22	23763505	23763505	+	1.208E-09	8.7926E-09	0.211523	hyper	sig	chr22_23763505
chr4	1.22E+08	121764370	+	1.208E-09	8.793E-09	0.238889	hyper	sig	chr4_121764370
chr2	42492812	42492812	+	1.208E-09	8.7938E-09	0.285193	hyper	sig	chr2_42492812
chr7	1.55E+08	155071118	+	1.208E-09	8.7942E-09	0.222995	hyper	sig	chr7_155071118
chr5	1.8E+08	180090198	+	1.209E-09	8.8022E-09	0.21392	hyper	sig	chr5_180090198
chr21	41763269	41763269	+	1.209E-09	8.8057E-09	0.214532	hyper	sig	chr21_41763269
chr9	94332644	94332644	+	1.211E-09	8.8174E-09	0.215093	hyper	sig	chr9_94332644
chr1	2.27E+08	226709357	+	1.211E-09	8.8179E-09	0.24368	hyper	sig	chr1_226709357
chr7	2734780	2734780	+	1.211E-09	8.8195E-09	0.215981	hyper	sig	chr7_2734780
chr4	55157814	55157814	+	1.212E-09	8.8245E-09	0.248265	hyper	sig	chr4_55157814
chr7	4172448	4172448	+	1.213E-09	8.8327E-09	-0.28377	hypo	sig	chr7_4172448
chr2	193292	193292	+	1.213E-09	8.8337E-09	-0.20108	hypo	sig	chr2_193292
chr16	4937603	4937603	+	1.215E-09	8.8444E-09	-0.20316	hypo	sig	chr16_4937603
chr3	52373353	52373353	+	1.215E-09	8.8479E-09	0.333122	hyper	sig	chr3_52373353
chr7	1395441	1395441	+	1.218E-09	8.8641E-09	0.218399	hyper	sig	chr7_1395441
chr12	189023	189023	+	1.218E-09	8.8665E-09	0.240713	hyper	sig	chr12_189023
chr1	10400193	10400193	+	1.219E-09	8.8708E-09	-0.20726	hypo	sig	chr1_10400193
chr15	41502148	41502148	+	1.219E-09	8.8742E-09	0.216135	hyper	sig	chr15_41502148
chr16	53542406	53542406	+	1.221E-09	8.8843E-09	-0.20157	hypo	sig	chr16_53542406
chr5	73381503	73381503	+	1.222E-09	8.8935E-09	0.231013	hyper	sig	chr5_73381503
chr22	20430707	20430707	+	1.223E-09	8.9034E-09	-0.21281	hypo	sig	chr22_20430707
chr4	7527197	7527197	+	1.224E-09	8.9048E-09	-0.25597	hypo	sig	chr4_7527197
chr18	5197575	5197575	+	1.225E-09	8.9117E-09	0.245903	hyper	sig	chr18_5197575
chr22	44698711	44698711	+	1.225E-09	8.9127E-09	0.200882	hyper	sig	chr22_44698711
chr19	49691812	49691812	+	1.225E-09	8.9137E-09	0.230353	hyper	sig	chr19_49691812
chr1	1.57E+08	156849187	+	1.226E-09	8.9178E-09	0.246502	hyper	sig	chr1_156849187
chr9	1.3E+08	129553563	+	1.226E-09	8.9186E-09	-0.21446	hypo	sig	chr9_129553563
chr10	92420739	92420739	+	1.226E-09	8.921E-09	0.247199	hyper	sig	chr10_92420739
chr15	24848309	24848309	+	1.226E-09	8.9216E-09	0.27808	hyper	sig	chr15_24848309
chr14	99968683	99968683	+	1.228E-09	8.9373E-09	-0.2176	hypo	sig	chr14_99968683
chr16	31145773	31145773	+	1.229E-09	8.9399E-09	-0.20297	hypo	sig	chr16_31145773
chr4	946889	946889	+	1.229E-09	8.9432E-09	0.205121	hyper	sig	chr4_946889
chr19	3369914	3369914	+	1.229E-09	8.9443E-09	0.380877	hyper	sig	chr19_3369914
chr9	1.37E+08	137438687	+	1.23E-09	8.9456E-09	-0.20688	hypo	sig	chr9_137438687
chr8	1.45E+08	145007944	+	1.23E-09	8.9493E-09	0.23889	hyper	sig	chr8_145007944
chr5	1.4E+08	139710360	+	1.23E-09	8.9505E-09	-0.24226	hypo	sig	chr5_139710360
chr5	1.76E+08	176185298	+	1.231E-09	8.9545E-09	-0.20561	hypo	sig	chr5_176185298
chr16	87406992	87406992	+	1.231E-09	8.9551E-09	-0.25494	hypo	sig	chr16_87406992
chr4	7645126	7645126	+	1.233E-09	8.9691E-09	-0.20787	hypo	sig	chr4_7645126
chr10	47375362	47375362	+	1.233E-09	8.9725E-09	0.218071	hyper	sig	chr10_47375362
chr10	79243924	79243924	+	1.234E-09	8.976E-09	0.203676	hyper	sig	chr10_79243924
chr11	65547471	65547471	+	1.234E-09	8.9763E-09	0.207775	hyper	sig	chr11_65547471
chr20	19974916	19974916	+	1.234E-09	8.978E-09	0.210286	hyper	sig	chr20_19974916
chr3	52373400	52373400	+	1.235E-09	8.9829E-09	0.286086	hyper	sig	chr3_52373400
chr20	59995055	59995055	+	1.236E-09	8.9879E-09	-0.20204	hypo	sig	chr20_59995055

chr10	1.3E+08	129892985	+	1.236E-09	8.9929E-09	-0.20775	hypo	sig	chr10_129892985
chr1	1.15E+08	114854962	+	1.238E-09	9.0058E-09	0.244822	hyper	sig	chr1_114854962
chr7	1940733	1940733	+	1.239E-09	9.0075E-09	-0.21968	hypo	sig	chr7_1940733
chr7	226461	226461	+	1.241E-09	9.0245E-09	-0.21562	hypo	sig	chr7_226461
chr5	1.41E+08	141156043	+	1.241E-09	9.0253E-09	0.315646	hyper	sig	chr5_141156043
chr19	47573455	47573455	+	1.242E-09	9.0293E-09	0.25787	hyper	sig	chr19_47573455
chr16	68745001	68745001	+	1.242E-09	9.0328E-09	-0.24854	hypo	sig	chr16_68745001
chr19	13255109	13255109	+	1.242E-09	9.0338E-09	-0.23407	hypo	sig	chr19_13255109
chr18	5196354	5196354	+	1.244E-09	9.0418E-09	0.25255	hyper	sig	chr18_5196354
chr16	88874644	88874644	+	1.244E-09	9.0421E-09	-0.26927	hypo	sig	chr16_88874644
chr4	1.58E+08	158170911	+	1.244E-09	9.0442E-09	-0.20405	hypo	sig	chr4_158170911
chr15	82043838	82043838	+	1.244E-09	9.0467E-09	0.273249	hyper	sig	chr15_82043838
chr5	1.41E+08	141364781	+	1.245E-09	9.0484E-09	0.239827	hyper	sig	chr5_141364781
chr9	1042869	1042869	+	1.245E-09	9.0495E-09	0.202927	hyper	sig	chr9_1042869
chr4	87219241	87219241	+	1.245E-09	9.05E-09	0.21264	hyper	sig	chr4_87219241
chr1	3385869	3385869	+	1.246E-09	9.0556E-09	-0.20994	hypo	sig	chr1_3385869
chr1	35577789	35577789	+	1.246E-09	9.0601E-09	0.245877	hyper	sig	chr1_35577789
chr1	9349769	9349769	+	1.246E-09	9.0612E-09	0.215035	hyper	sig	chr1_9349769
chr10	43790416	43790416	+	1.247E-09	9.0655E-09	-0.2374	hypo	sig	chr10_43790416
chr14	1.05E+08	105249404	+	1.248E-09	9.0697E-09	0.202444	hyper	sig	chr14_105249404
chr10	1.02E+08	102419151	+	1.249E-09	9.0769E-09	0.219127	hyper	sig	chr10_102419151
chr16	85349142	85349142	+	1.249E-09	9.0788E-09	-0.21366	hypo	sig	chr16_85349142
chr12	34399431	34399431	+	1.25E-09	9.0833E-09	-0.25125	hypo	sig	chr12_34399431
chr18	78388311	78388311	+	1.25E-09	9.0878E-09	-0.20811	hypo	sig	chr18_78388311
chr22	36286765	36286765	+	1.25E-09	9.089E-09	0.231668	hyper	sig	chr22_36286765
chr8	90984977	90984977	+	1.25E-09	9.0896E-09	0.241246	hyper	sig	chr8_90984977
chr19	22532562	22532562	+	1.251E-09	9.0937E-09	0.219052	hyper	sig	chr19_22532562
chr4	1.41E+08	141128178	+	1.251E-09	9.0948E-09	-0.20511	hypo	sig	chr4_141128178
chr7	1419399	1419399	+	1.252E-09	9.1006E-09	-0.21834	hypo	sig	chr7_1419399
chr1	21608233	21608233	+	1.252E-09	9.1013E-09	-0.24039	hypo	sig	chr1_21608233
chr19	7873639	7873639	+	1.253E-09	9.1039E-09	0.266071	hyper	sig	chr19_7873639
chr1	9279653	9279653	+	1.254E-09	9.1163E-09	-0.29116	hypo	sig	chr1_9279653
chr20	62304619	62304619	+	1.254E-09	9.1165E-09	-0.22509	hypo	sig	chr20_62304619
chr5	1.41E+08	141084958	+	1.255E-09	9.1214E-09	0.277505	hyper	sig	chr5_141084958
chr1	1.65E+08	165235323	+	1.255E-09	9.1222E-09	0.299121	hyper	sig	chr1_165235323
chr1	2.24E+08	224175771	+	1.255E-09	9.1223E-09	0.270917	hyper	sig	chr1_224175771
chr5	1107550	1107550	+	1.256E-09	9.1256E-09	-0.26253	hypo	sig	chr5_1107550
chr11	1908023	1908023	+	1.256E-09	9.1266E-09	-0.2146	hypo	sig	chr11_1908023
chr16	1099438	1099438	+	1.257E-09	9.1342E-09	-0.20625	hypo	sig	chr16_1099438
chr7	74178879	74178879	+	1.257E-09	9.135E-09	0.259617	hyper	sig	chr7_74178879
chr15	69462428	69462428	+	1.257E-09	9.1367E-09	-0.23753	hypo	sig	chr15_69462428
chr22	32474004	32474004	+	1.257E-09	9.1367E-09	-0.20628	hypo	sig	chr22_32474004
chr3	1.34E+08	133784118	+	1.258E-09	9.1405E-09	0.209057	hyper	sig	chr3_133784118
chr19	1763808	1763808	+	1.259E-09	9.1461E-09	0.270551	hyper	sig	chr19_1763808
chr1	37761787	37761787	+	1.259E-09	9.1491E-09	0.225828	hyper	sig	chr1_37761787
chr10	25935044	25935044	+	1.259E-09	9.1506E-09	0.218874	hyper	sig	chr10_25935044
chr10	1.23E+08	123143277	+	1.26E-09	9.1588E-09	0.222782	hyper	sig	chr10_123143277
chr9	1.28E+08	127762636	+	1.261E-09	9.1612E-09	-0.21336	hypo	sig	chr9_127762636
chr9	1.28E+08	127716807	+	1.262E-09	9.168E-09	-0.24735	hypo	sig	chr9_127716807
chr4	9692140	9692140	+	1.262E-09	9.1708E-09	0.210432	hyper	sig	chr4_9692140
chr21	30430511	30430511	+	1.263E-09	9.176E-09	-0.21278	hypo	sig	chr21_30430511
chr11	67474799	67474799	+	1.263E-09	9.1773E-09	-0.22889	hypo	sig	chr11_67474799
chr18	79832722	79832722	+	1.264E-09	9.1825E-09	-0.22777	hypo	sig	chr18_79832722
chr12	1.3E+08	130468385	+	1.264E-09	9.1849E-09	-0.21868	hypo	sig	chr12_130468385
chr6	35501133	35501133	+	1.265E-09	9.188E-09	-0.20648	hypo	sig	chr6_35501133
chr5	1.33E+08	132823034	+	1.266E-09	9.1998E-09	0.228287	hyper	sig	chr5_132823034

chr4	6035650	6035650	+	1.267E-09	9.2017E-09	-0.22136	hypo	sig	chr4_6035650
chr15	79090757	79090757	+	1.267E-09	9.2031E-09	0.274305	hyper	sig	chr15_79090757
chr2	8545469	8545469	+	1.267E-09	9.2052E-09	-0.22508	hypo	sig	chr2_8545469
chr5	959596	959596	+	1.267E-09	9.2072E-09	-0.22299	hypo	sig	chr5_959596
chr2	1.58E+08	157597662	+	1.268E-09	9.2133E-09	0.217593	hyper	sig	chr2_157597662
chr16	66975295	66975295	+	1.269E-09	9.2154E-09	-0.22084	hypo	sig	chr16_66975295
chr3	1.82E+08	181724419	+	1.269E-09	9.217E-09	0.297395	hyper	sig	chr3_181724419
chr7	1538567	1538567	+	1.271E-09	9.23E-09	0.338725	hyper	sig	chr7_1538567
chr12	52232034	52232034	+	1.276E-09	9.2671E-09	-0.21509	hypo	sig	chr12_52232034
chr3	1.84E+08	184339081	+	1.277E-09	9.2721E-09	0.320503	hyper	sig	chr3_184339081
chr11	2826465	2826465	+	1.277E-09	9.273E-09	0.213184	hyper	sig	chr11_2826465
chr17	48542211	48542211	+	1.279E-09	9.2885E-09	0.227561	hyper	sig	chr17_48542211
chr3	1.34E+08	133674833	+	1.28E-09	9.2952E-09	0.204383	hyper	sig	chr3_133674833
chr16	594382	594382	+	1.28E-09	9.297E-09	-0.20354	hypo	sig	chr16_594382
chr2	1.63E+08	163348244	+	1.281E-09	9.2987E-09	0.246047	hyper	sig	chr2_163348244
chr17	76538468	76538468	+	1.281E-09	9.3013E-09	0.238863	hyper	sig	chr17_76538468
chr4	6664002	6664002	+	1.281E-09	9.302E-09	0.267962	hyper	sig	chr4_6664002
chr3	1.32E+08	132037701	+	1.282E-09	9.3062E-09	0.216641	hyper	sig	chr3_132037701
chr11	281637	281637	+	1.282E-09	9.3087E-09	0.259688	hyper	sig	chr11_281637
chr1	90730135	90730135	+	1.282E-09	9.311E-09	0.208917	hyper	sig	chr1_90730135
chr2	28346804	28346804	+	1.283E-09	9.3184E-09	0.272496	hyper	sig	chr2_28346804
chr5	1867973	1867973	+	1.284E-09	9.3228E-09	0.28129	hyper	sig	chr5_1867973
chr7	28957760	28957760	+	1.284E-09	9.3247E-09	0.210966	hyper	sig	chr7_28957760
chr5	1.35E+08	135038702	+	1.285E-09	9.3294E-09	0.210935	hyper	sig	chr5_135038702
chr8	71558747	71558747	+	1.286E-09	9.333E-09	0.219821	hyper	sig	chr8_71558747
chr7	1.59E+08	158992908	+	1.286E-09	9.3355E-09	0.206117	hyper	sig	chr7_158992908
chr5	63961164	63961164	+	1.286E-09	9.3375E-09	0.257066	hyper	sig	chr5_63961164
chr6	57845833	57845833	+	1.287E-09	9.343E-09	-0.20361	hypo	sig	chr6_57845833
chr11	65599586	65599586	+	1.287E-09	9.345E-09	0.218686	hyper	sig	chr11_65599586
chr14	74503369	74503369	+	1.287E-09	9.345E-09	-0.25455	hypo	sig	chr14_74503369
chr19	1218511	1218511	+	1.287E-09	9.345E-09	0.214518	hyper	sig	chr19_1218511
chr7	1.29E+08	128858912	+	1.287E-09	9.346E-09	0.201764	hyper	sig	chr7_128858912
chr7	27110653	27110653	+	1.288E-09	9.3478E-09	0.201532	hyper	sig	chr7_27110653
chr14	1.05E+08	104608892	+	1.288E-09	9.3524E-09	-0.20333	hypo	sig	chr14_104608892
chr20	51798344	51798344	+	1.289E-09	9.3569E-09	-0.20719	hypo	sig	chr20_51798344
chr9	1.37E+08	137293570	+	1.289E-09	9.3575E-09	-0.21831	hypo	sig	chr9_137293570
chr2	71561004	71561004	+	1.289E-09	9.3591E-09	-0.23463	hypo	sig	chr2_71561004
chr19	55513721	55513721	+	1.29E-09	9.3609E-09	-0.21294	hypo	sig	chr19_55513721
chr15	68571825	68571825	+	1.29E-09	9.3619E-09	-0.20288	hypo	sig	chr15_68571825
chr2	2.19E+08	218978717	+	1.291E-09	9.3679E-09	0.204666	hyper	sig	chr2_218978717
chr6	1.05E+08	104936721	+	1.291E-09	9.3713E-09	-0.34571	hypo	sig	chr6_104936721
chr13	94708130	94708130	+	1.293E-09	9.3829E-09	0.213781	hyper	sig	chr13_94708130
chr7	1.28E+08	128454720	+	1.293E-09	9.3864E-09	0.212834	hyper	sig	chr7_128454720
chr1	20475962	20475962	+	1.293E-09	9.3875E-09	-0.2176	hypo	sig	chr1_20475962
chr16	30012323	30012323	+	1.296E-09	9.4034E-09	0.209799	hyper	sig	chr16_30012323
chr7	1.5E+08	150372801	+	1.296E-09	9.4076E-09	-0.20206	hypo	sig	chr7_150372801
chr5	73299899	73299899	+	1.298E-09	9.4203E-09	0.216689	hyper	sig	chr5_73299899
chr10	1809322	1809322	+	1.3E-09	9.4299E-09	-0.24306	hypo	sig	chr10_1809322
chr15	66252005	66252005	+	1.301E-09	9.4434E-09	0.228989	hyper	sig	chr15_66252005
chr4	44447626	44447626	+	1.302E-09	9.4441E-09	0.217048	hyper	sig	chr4_44447626
chr5	1.41E+08	140843522	+	1.306E-09	9.4743E-09	0.201613	hyper	sig	chr5_140843522
chr19	3785857	3785857	+	1.306E-09	9.4753E-09	0.206839	hyper	sig	chr19_3785857
chr3	6863303	6863303	+	1.306E-09	9.4772E-09	0.203913	hyper	sig	chr3_6863303
chr11	20163569	20163569	+	1.308E-09	9.4861E-09	0.261199	hyper	sig	chr11_20163569
chr16	1532208	1532208	+	1.308E-09	9.4894E-09	0.31317	hyper	sig	chr16_1532208
chr10	1.3E+08	130046693	+	1.308E-09	9.4912E-09	-0.20481	hypo	sig	chr10_130046693

chr16	1280138	1280138	+	1.308E-09	9.4916E-09	-0.24999	hypo	sig	chr16_1280138
chr3	6861487	6861487	+	1.309E-09	9.4951E-09	0.23159	hyper	sig	chr3_6861487
chr1	10651609	10651609	+	1.31E-09	9.4991E-09	0.221232	hyper	sig	chr1_10651609
chr11	1.2E+08	119742765	+	1.31E-09	9.4992E-09	0.223106	hyper	sig	chr11_119742765
chr1	27343238	27343238	+	1.31E-09	9.5008E-09	-0.22152	hypo	sig	chr1_27343238
chr15	40350797	40350797	+	1.312E-09	9.514E-09	-0.2051	hypo	sig	chr15_40350797
chr2	1.24E+08	124024736	+	1.312E-09	9.5155E-09	0.309439	hyper	sig	chr2_124024736
chr7	27123229	27123229	+	1.312E-09	9.5172E-09	-0.20614	hypo	sig	chr7_27123229
chr10	15426788	15426788	+	1.313E-09	9.5201E-09	-0.21674	hypo	sig	chr10_15426788
chr11	71566425	71566425	+	1.315E-09	9.5354E-09	-0.2036	hypo	sig	chr11_71566425
chr12	1.14E+08	114414464	+	1.315E-09	9.5362E-09	0.29142	hyper	sig	chr12_114414464
chr19	49436332	49436332	+	1.315E-09	9.5362E-09	0.223424	hyper	sig	chr19_49436332
chr11	30584102	30584102	+	1.315E-09	9.5369E-09	0.248924	hyper	sig	chr11_30584102
chr14	1.01E+08	101453480	+	1.318E-09	9.56E-09	-0.23309	hypo	sig	chr14_101453480
chr16	646036	646036	+	1.319E-09	9.5661E-09	-0.22603	hypo	sig	chr16_646036
chr1	1.19E+08	118990359	+	1.319E-09	9.5677E-09	0.269544	hyper	sig	chr1_118990359
chr11	70671272	70671272	+	1.32E-09	9.5732E-09	0.204866	hyper	sig	chr11_70671272
chr1	3246076	3246076	+	1.321E-09	9.5783E-09	0.236361	hyper	sig	chr1_3246076
chr3	1.4E+08	139540074	+	1.322E-09	9.5825E-09	0.205807	hyper	sig	chr3_139540074
chr1	2.29E+08	229433299	+	1.322E-09	9.5836E-09	0.209921	hyper	sig	chr1_229433299
chr1	6200129	6200129	+	1.324E-09	9.6032E-09	0.244077	hyper	sig	chr1_6200129
chr10	47375320	47375320	+	1.327E-09	9.62E-09	0.259369	hyper	sig	chr10_47375320
chr1	80050734	80050734	+	1.328E-09	9.625E-09	-0.26861	hypo	sig	chr1_80050734
chr20	51802325	51802325	+	1.33E-09	9.6384E-09	0.336916	hyper	sig	chr20_51802325
chr4	3492852	3492852	+	1.33E-09	9.6399E-09	0.200869	hyper	sig	chr4_3492852
chr16	55327592	55327592	+	1.33E-09	9.6434E-09	0.26322	hyper	sig	chr16_55327592
chr12	1.04E+08	104304156	+	1.331E-09	9.6451E-09	0.255201	hyper	sig	chr12_104304156
chr22	38214448	38214448	+	1.331E-09	9.6505E-09	0.249192	hyper	sig	chr22_38214448
chr5	1.81E+08	180620184	+	1.332E-09	9.6541E-09	-0.23607	hypo	sig	chr5_180620184
chr17	48573799	48573799	+	1.332E-09	9.6543E-09	0.216474	hyper	sig	chr17_48573799
chr1	1.98E+08	197910587	+	1.332E-09	9.6573E-09	0.260396	hyper	sig	chr1_197910587
chr15	78629884	78629884	+	1.334E-09	9.6662E-09	-0.20083	hypo	sig	chr15_78629884
chr17	48545245	48545245	+	1.334E-09	9.6666E-09	0.207786	hyper	sig	chr17_48545245
chr20	62953468	62953468	+	1.335E-09	9.6728E-09	-0.20192	hypo	sig	chr20_62953468
chr2	64770937	64770937	+	1.335E-09	9.6762E-09	0.225694	hyper	sig	chr2_64770937
chr8	57143672	57143672	+	1.335E-09	9.6787E-09	0.251858	hyper	sig	chr8_57143672
chr10	74813704	74813704	+	1.336E-09	9.6791E-09	0.240573	hyper	sig	chr10_74813704
chr7	57776506	57776506	+	1.336E-09	9.6838E-09	-0.22398	hypo	sig	chr7_57776506
chr1	31626595	31626595	+	1.336E-09	9.6852E-09	0.223506	hyper	sig	chr1_31626595
chr3	73623783	73623783	+	1.337E-09	9.6924E-09	0.222137	hyper	sig	chr3_73623783
chr17	2058296	2058296	+	1.338E-09	9.6953E-09	0.255788	hyper	sig	chr17_2058296
chr3	1.84E+08	184492468	+	1.338E-09	9.6956E-09	0.202229	hyper	sig	chr3_184492468
chr10	8043420	8043420	+	1.338E-09	9.6976E-09	0.265426	hyper	sig	chr10_8043420
chr11	31815966	31815966	+	1.339E-09	9.7007E-09	0.200521	hyper	sig	chr11_31815966
chr1	1.43E+08	143424790	+	1.34E-09	9.7066E-09	0.217942	hyper	sig	chr1_143424790
chr3	1.85E+08	184770031	+	1.342E-09	9.7259E-09	-0.2508	hypo	sig	chr3_184770031
chr3	13278138	13278138	+	1.343E-09	9.7302E-09	-0.20546	hypo	sig	chr3_13278138
chr19	39891955	39891955	+	1.343E-09	9.7305E-09	0.24571	hyper	sig	chr19_39891955
chr16	31373961	31373961	+	1.343E-09	9.7329E-09	-0.22354	hypo	sig	chr16_31373961
chr1	11858892	11858892	+	1.344E-09	9.736E-09	0.223653	hyper	sig	chr1_11858892
chr8	1.43E+08	142700226	+	1.344E-09	9.7398E-09	0.242549	hyper	sig	chr8_142700226
chr1	54781608	54781608	+	1.345E-09	9.7417E-09	0.253718	hyper	sig	chr1_54781608
chr6	1E+08	100467368	+	1.345E-09	9.7442E-09	0.207686	hyper	sig	chr6_100467368
chr14	36659381	36659381	+	1.346E-09	9.7507E-09	0.208542	hyper	sig	chr14_36659381
chr1	1.8E+08	179812741	+	1.346E-09	9.7509E-09	-0.23865	hypo	sig	chr1_179812741
chr17	32265410	32265410	+	1.346E-09	9.7513E-09	0.203948	hyper	sig	chr17_32265410

chr15	52783789	52783789	+	1.348E-09	9.7629E-09	0.205907	hyper	sig	chr15_52783789
chr17	14310418	14310418	+	1.349E-09	9.7708E-09	0.209975	hyper	sig	chr17_14310418
chr8	64799136	64799136	+	1.349E-09	9.7732E-09	0.251368	hyper	sig	chr8_64799136
chr8	1E+08	100303270	+	1.349E-09	9.7746E-09	-0.21545	hypo	sig	chr8_100303270
chr17	45428865	45428865	+	1.351E-09	9.7841E-09	0.270315	hyper	sig	chr17_45428865
chr5	1.79E+08	179124609	+	1.351E-09	9.7872E-09	-0.22498	hypo	sig	chr5_179124609
chr13	1.13E+08	112997177	+	1.352E-09	9.7948E-09	-0.22937	hypo	sig	chr13_112997177
chr19	50259146	50259146	+	1.353E-09	9.7982E-09	0.235046	hyper	sig	chr19_50259146
chr4	6242538	6242538	+	1.353E-09	9.801E-09	-0.27814	hypo	sig	chr4_6242538
chr5	1444343	1444343	+	1.354E-09	9.8034E-09	0.222978	hyper	sig	chr5_1444343
chr14	28765764	28765764	+	1.354E-09	9.8047E-09	0.219309	hyper	sig	chr14_28765764
chr17	82003761	82003761	+	1.356E-09	9.8228E-09	0.200046	hyper	sig	chr17_82003761
chr6	36285322	36285322	+	1.356E-09	9.8229E-09	0.21946	hyper	sig	chr6_36285322
chr20	3223492	3223492	+	1.357E-09	9.8262E-09	-0.26316	hypo	sig	chr20_3223492
chr2	1.2E+08	120216531	+	1.357E-09	9.8262E-09	-0.28023	hypo	sig	chr2_120216531
chr6	32761637	32761637	+	1.357E-09	9.8291E-09	0.281356	hyper	sig	chr6_32761637
chr13	23904435	23904435	+	1.358E-09	9.8312E-09	-0.25141	hypo	sig	chr13_23904435
chr5	1.41E+08	141303877	+	1.358E-09	9.8315E-09	0.210009	hyper	sig	chr5_141303877
chr16	3180761	3180761	+	1.359E-09	9.8429E-09	0.233048	hyper	sig	chr16_3180761
chr5	63961773	63961773	+	1.36E-09	9.8489E-09	0.23518	hyper	sig	chr5_63961773
chr8	1.41E+08	141305775	+	1.361E-09	9.8561E-09	0.251174	hyper	sig	chr8_141305775
chr20	22568665	22568665	+	1.362E-09	9.8581E-09	0.314477	hyper	sig	chr20_22568665
chr11	33378432	33378432	+	1.362E-09	9.8635E-09	-0.21179	hypo	sig	chr11_33378432
chr4	1.83E+08	182800448	+	1.362E-09	9.8635E-09	-0.20446	hypo	sig	chr4_182800448
chr8	1294065	1294065	+	1.363E-09	9.8649E-09	-0.25665	hypo	sig	chr8_1294065
chr19	33211089	33211089	+	1.366E-09	9.8863E-09	-0.2853	hypo	sig	chr19_33211089
chr16	31224262	31224262	+	1.367E-09	9.8956E-09	0.212482	hyper	sig	chr16_31224262
chr20	46026679	46026679	+	1.367E-09	9.8973E-09	-0.27899	hypo	sig	chr20_46026679
chr16	67653924	67653924	+	1.367E-09	9.8984E-09	0.201584	hyper	sig	chr16_67653924
chr14	60656525	60656525	+	1.369E-09	9.9114E-09	0.210787	hyper	sig	chr14_60656525
chr1	12047611	12047611	+	1.369E-09	9.9115E-09	-0.24855	hypo	sig	chr1_12047611
chr5	1.41E+08	140870938	+	1.371E-09	9.9229E-09	0.251069	hyper	sig	chr5_140870938
chr19	41331117	41331117	+	1.371E-09	9.9236E-09	-0.20226	hypo	sig	chr19_41331117
chr7	1.3E+08	129503531	+	1.371E-09	9.9237E-09	0.281394	hyper	sig	chr7_129503531
chr1	75124767	75124767	+	1.373E-09	9.9357E-09	0.261796	hyper	sig	chr1_75124767
chr22	20207093	20207093	+	1.373E-09	9.9361E-09	-0.24937	hypo	sig	chr22_20207093
chr19	36152119	36152119	+	1.373E-09	9.9371E-09	0.292246	hyper	sig	chr19_36152119
chr20	37902497	37902497	+	1.373E-09	9.9373E-09	0.242129	hyper	sig	chr20_37902497
chr17	47850527	47850527	+	1.375E-09	9.9501E-09	-0.23707	hypo	sig	chr17_47850527
chr16	28880701	28880701	+	1.376E-09	9.9596E-09	0.339314	hyper	sig	chr16_28880701
chr16	85349097	85349097	+	1.38E-09	9.9845E-09	-0.20099	hypo	sig	chr16_85349097
chr16	67884783	67884783	+	1.381E-09	9.9887E-09	0.265447	hyper	sig	chr16_67884783
chr8	98972290	98972290	+	1.382E-09	9.9989E-09	-0.20531	hypo	sig	chr8_98972290
chr16	3414161	3414161	+	1.383E-09	1.0004E-08	0.260476	hyper	sig	chr16_3414161
chr7	1455759	1455759	+	1.383E-09	1.0004E-08	-0.23795	hypo	sig	chr7_1455759
chr2	2.22E+08	222295711	+	1.383E-09	1.0005E-08	0.202411	hyper	sig	chr2_222295711
chr1	63316803	63316803	+	1.384E-09	1.001E-08	0.255278	hyper	sig	chr1_63316803
chr3	13934262	13934262	+	1.384E-09	1.0013E-08	-0.30411	hypo	sig	chr3_13934262
chr7	1.57E+08	157462494	+	1.384E-09	1.0014E-08	-0.20711	hypo	sig	chr7_157462494
chr19	49527816	49527816	+	1.385E-09	1.0019E-08	0.214462	hyper	sig	chr19_49527816
chr2	1.31E+08	131040039	+	1.386E-09	1.0024E-08	0.232855	hyper	sig	chr2_131040039
chr20	63415741	63415741	+	1.386E-09	1.0028E-08	-0.21314	hypo	sig	chr20_63415741
chr1	1.54E+08	153567016	+	1.388E-09	1.0043E-08	-0.21823	hypo	sig	chr1_153567016
chr6	1.49E+08	148748775	+	1.389E-09	1.005E-08	0.21584	hyper	sig	chr6_148748775
chr7	1.22E+08	121873633	+	1.391E-09	1.0062E-08	0.222787	hyper	sig	chr7_121873633
chr6	1.17E+08	117265351	+	1.392E-09	1.0065E-08	0.220866	hyper	sig	chr6_117265351

chr3	1.27E+08	126542512	+	1.394E-09	1.0084E-08	0.264831	hyper	sig	chr3_126542512
chr11	2328633	2328633	+	1.395E-09	1.0092E-08	-0.26908	hypo	sig	chr11_2328633
chr4	1.23E+08	122826479	+	1.396E-09	1.0095E-08	0.256338	hyper	sig	chr4_122826479
chr6	28977386	28977386	+	1.398E-09	1.0112E-08	0.244124	hyper	sig	chr6_28977386
chr4	2961537	2961537	+	1.399E-09	1.0114E-08	-0.22324	hypo	sig	chr4_2961537
chr5	1.32E+08	132258598	+	1.399E-09	1.0117E-08	0.261368	hyper	sig	chr5_132258598
chr1	2.05E+08	204980516	+	1.4E-09	1.0125E-08	-0.24698	hypo	sig	chr1_204980516
chr17	82003843	82003843	+	1.4E-09	1.0127E-08	0.213301	hyper	sig	chr17_82003843
chr5	194519	194519	+	1.4E-09	1.0127E-08	-0.21171	hypo	sig	chr5_194519
chr20	10214442	10214442	+	1.401E-09	1.013E-08	-0.2352	hypo	sig	chr20_10214442
chr9	97846680	97846680	+	1.401E-09	1.0131E-08	-0.2309	hypo	sig	chr9_97846680
chr22	24774371	24774371	+	1.402E-09	1.0135E-08	-0.2224	hypo	sig	chr22_24774371
chr18	79425451	79425451	+	1.405E-09	1.0159E-08	-0.22668	hypo	sig	chr18_79425451
chr2	73291097	73291097	+	1.405E-09	1.016E-08	0.207102	hyper	sig	chr2_73291097
chr10	1.24E+08	124417999	+	1.405E-09	1.0162E-08	0.201294	hyper	sig	chr10_124417999
chr10	70673399	70673399	+	1.406E-09	1.0166E-08	0.208286	hyper	sig	chr10_70673399
chr4	622945	622945	+	1.407E-09	1.0171E-08	-0.20301	hypo	sig	chr4_622945
chr5	1.77E+08	177474422	+	1.407E-09	1.0174E-08	0.246335	hyper	sig	chr5_177474422
chr8	2023554	2023554	+	1.409E-09	1.0183E-08	-0.25662	hypo	sig	chr8_2023554
chr4	80386231	80386231	+	1.413E-09	1.0212E-08	-0.20379	hypo	sig	chr4_80386231
chr19	3179311	3179311	+	1.413E-09	1.0215E-08	-0.22039	hypo	sig	chr19_3179311
chr12	34302356	34302356	+	1.413E-09	1.0216E-08	-0.21535	hypo	sig	chr12_34302356
chr17	10120980	10120980	+	1.416E-09	1.0233E-08	0.201572	hyper	sig	chr17_10120980
chr1	3217558	3217558	+	1.416E-09	1.0233E-08	0.210857	hyper	sig	chr1_3217558
chr10	79382384	79382384	+	1.416E-09	1.0235E-08	0.207955	hyper	sig	chr10_79382384
chr15	36888282	36888282	+	1.416E-09	1.0236E-08	0.261787	hyper	sig	chr15_36888282
chr4	1.26E+08	125639339	+	1.418E-09	1.0246E-08	-0.23102	hypo	sig	chr4_125639339
chr4	13541223	13541223	+	1.421E-09	1.0268E-08	0.208261	hyper	sig	chr4_13541223
chr19	12513942	12513942	+	1.421E-09	1.0269E-08	0.20317	hyper	sig	chr19_12513942
chr5	1.79E+08	178577058	+	1.423E-09	1.0283E-08	0.228176	hyper	sig	chr5_178577058
chr12	1.32E+08	132407675	+	1.423E-09	1.0284E-08	-0.25447	hypo	sig	chr12_132407675
chr5	1.41E+08	140877257	+	1.424E-09	1.0292E-08	0.282126	hyper	sig	chr5_140877257
chr7	5253799	5253799	+	1.425E-09	1.0301E-08	-0.24058	hypo	sig	chr7_5253799
chr10	1.33E+08	132558343	+	1.426E-09	1.0303E-08	0.210815	hyper	sig	chr10_132558343
chr11	72673991	72673991	+	1.426E-09	1.0303E-08	0.245153	hyper	sig	chr11_72673991
chr17	48746915	48746915	+	1.426E-09	1.0304E-08	0.219255	hyper	sig	chr17_48746915
chr1	41383045	41383045	+	1.427E-09	1.0307E-08	0.200889	hyper	sig	chr1_41383045
chr15	95327058	95327058	+	1.427E-09	1.0309E-08	0.204815	hyper	sig	chr15_95327058
chr16	31428341	31428341	+	1.428E-09	1.0318E-08	0.229894	hyper	sig	chr16_31428341
chr4	1.9E+08	189608327	+	1.429E-09	1.0325E-08	-0.22442	hypo	sig	chr4_189608327
chr16	88914323	88914323	+	1.43E-09	1.0331E-08	-0.20259	hypo	sig	chr16_88914323
chr14	69548119	69548119	+	1.431E-09	1.0339E-08	0.218989	hyper	sig	chr14_69548119
chr11	3671942	3671942	+	1.431E-09	1.034E-08	0.201122	hyper	sig	chr11_3671942
chr3	96814924	96814924	+	1.432E-09	1.0347E-08	0.200702	hyper	sig	chr3_96814924
chr12	1.25E+08	124608058	+	1.434E-09	1.0355E-08	-0.2092	hypo	sig	chr12_124608058
chr16	85713888	85713888	+	1.434E-09	1.0358E-08	-0.24662	hypo	sig	chr16_85713888
chr15	74410680	74410680	+	1.434E-09	1.0362E-08	0.205896	hyper	sig	chr15_74410680
chr11	70826283	70826283	+	1.435E-09	1.0368E-08	0.215159	hyper	sig	chr11_70826283
chr14	1.01E+08	100826618	+	1.436E-09	1.037E-08	0.248323	hyper	sig	chr14_100826618
chr2	96761996	96761996	+	1.436E-09	1.0371E-08	-0.22953	hypo	sig	chr2_96761996
chr2	1.71E+08	170717661	+	1.436E-09	1.0373E-08	0.227962	hyper	sig	chr2_170717661
chr6	1.1E+08	109979879	+	1.437E-09	1.0382E-08	0.235635	hyper	sig	chr6_109979879
chr1	3076056	3076056	+	1.438E-09	1.0386E-08	-0.2037	hypo	sig	chr1_3076056
chr17	42784130	42784130	+	1.439E-09	1.0393E-08	0.202907	hyper	sig	chr17_42784130
chr8	43291833	43291833	+	1.439E-09	1.0395E-08	-0.24449	hypo	sig	chr8_43291833
chr4	8606182	8606182	+	1.439E-09	1.0396E-08	-0.26669	hypo	sig	chr4_8606182

chr7	1.59E+08	158982421	+	1.442E-09	1.0411E-08	-0.21198	hypo	sig	chr7_158982421
chr19	55321264	55321264	+	1.442E-09	1.0412E-08	-0.27234	hypo	sig	chr19_55321264
chr18	46680152	46680152	+	1.442E-09	1.0416E-08	-0.21831	hypo	sig	chr18_46680152
chr1	1.51E+08	150979320	+	1.443E-09	1.0417E-08	0.24408	hyper	sig	chr1_150979320
chr2	987971	987971	+	1.443E-09	1.0419E-08	-0.20553	hypo	sig	chr2_987971
chr8	1.44E+08	144047166	+	1.444E-09	1.0425E-08	-0.24117	hypo	sig	chr8_144047166
chr1	6093065	6093065	+	1.444E-09	1.0428E-08	-0.20891	hypo	sig	chr1_6093065
chr16	27471141	27471141	+	1.444E-09	1.043E-08	0.266018	hyper	sig	chr16_27471141
chr19	35853391	35853391	+	1.444E-09	1.043E-08	-0.201	hypo	sig	chr19_35853391
chr7	2560456	2560456	+	1.445E-09	1.0434E-08	-0.21392	hypo	sig	chr7_2560456
chr11	1.34E+08	133575923	+	1.446E-09	1.044E-08	-0.23493	hypo	sig	chr11_133575923
chr5	1.34E+08	134113756	+	1.449E-09	1.046E-08	0.290606	hyper	sig	chr5_134113756
chr12	66189063	66189063	+	1.45E-09	1.0468E-08	0.22552	hyper	sig	chr12_66189063
chr14	75979645	75979645	+	1.452E-09	1.0483E-08	0.228872	hyper	sig	chr14_75979645
chr6	1.65E+08	165310836	+	1.453E-09	1.0493E-08	-0.26745	hypo	sig	chr6_165310836
chr7	1.57E+08	156608187	+	1.455E-09	1.0501E-08	0.200067	hyper	sig	chr7_156608187
chr2	2.38E+08	238160300	+	1.455E-09	1.0503E-08	-0.20802	hypo	sig	chr2_238160300
chr17	77373908	77373908	+	1.455E-09	1.0504E-08	0.201687	hyper	sig	chr17_77373908
chr16	67165657	67165657	+	1.456E-09	1.0507E-08	0.286377	hyper	sig	chr16_67165657
chr16	84930249	84930249	+	1.456E-09	1.051E-08	-0.25148	hypo	sig	chr16_84930249
chr11	43582691	43582691	+	1.456E-09	1.0513E-08	0.205715	hyper	sig	chr11_43582691
chr7	1.49E+08	149205976	+	1.456E-09	1.0513E-08	-0.22486	hypo	sig	chr7_149205976
chr7	1.52E+08	151805236	+	1.457E-09	1.0516E-08	-0.20272	hypo	sig	chr7_151805236
chr16	1176323	1176323	+	1.458E-09	1.0523E-08	-0.21361	hypo	sig	chr16_1176323
chr16	85181963	85181963	+	1.458E-09	1.0524E-08	-0.20676	hypo	sig	chr16_85181963
chr7	55449453	55449453	+	1.46E-09	1.0539E-08	0.24022	hyper	sig	chr7_55449453
chr19	1526523	1526523	+	1.461E-09	1.0541E-08	-0.20076	hypo	sig	chr19_1526523
chr7	1.5E+08	150372717	+	1.461E-09	1.0542E-08	-0.23099	hypo	sig	chr7_150372717
chr20	54476600	54476600	+	1.463E-09	1.0556E-08	0.211709	hyper	sig	chr20_54476600
chr17	2405395	2405395	+	1.464E-09	1.0562E-08	-0.20504	hypo	sig	chr17_2405395
chr7	1.5E+08	149692525	+	1.467E-09	1.0588E-08	0.251256	hyper	sig	chr7_149692525
chr12	49298571	49298571	+	1.468E-09	1.0593E-08	-0.30805	hypo	sig	chr12_49298571
chr10	1.01E+08	100738680	+	1.47E-09	1.0607E-08	0.213978	hyper	sig	chr10_100738680
chr1	2512974	2512974	+	1.471E-09	1.061E-08	-0.2161	hypo	sig	chr1_2512974
chr1	41920230	41920230	+	1.472E-09	1.0622E-08	-0.20068	hypo	sig	chr1_41920230
chr14	60653506	60653506	+	1.472E-09	1.0622E-08	0.253559	hyper	sig	chr14_60653506
chr13	57634283	57634283	+	1.473E-09	1.0629E-08	0.24325	hyper	sig	chr13_57634283
chr12	57236582	57236582	+	1.475E-09	1.0637E-08	0.223936	hyper	sig	chr12_57236582
chr15	23686581	23686581	+	1.475E-09	1.0639E-08	0.254607	hyper	sig	chr15_23686581
chr16	24255618	24255618	+	1.476E-09	1.0647E-08	0.253977	hyper	sig	chr16_24255618
chr2	1.92E+08	191881700	+	1.477E-09	1.0653E-08	-0.20318	hypo	sig	chr2_191881700
chr1	1.48E+08	148318387	+	1.477E-09	1.0656E-08	0.21696	hyper	sig	chr1_148318387
chr9	1.28E+08	128233549	+	1.478E-09	1.0659E-08	-0.22378	hypo	sig	chr9_128233549
chr17	48472745	48472745	+	1.478E-09	1.0664E-08	-0.22267	hypo	sig	chr17_48472745
chr5	1.16E+08	115962382	+	1.48E-09	1.0672E-08	0.347684	hyper	sig	chr5_115962382
chr10	1.33E+08	133178982	+	1.48E-09	1.0676E-08	-0.22002	hypo	sig	chr10_133178982
chr11	1006210	1006210	+	1.481E-09	1.0683E-08	0.229966	hyper	sig	chr11_1006210
chr7	1.59E+08	158957535	+	1.481E-09	1.0683E-08	-0.24487	hypo	sig	chr7_158957535
chr22	45889781	45889781	+	1.482E-09	1.0688E-08	0.212937	hyper	sig	chr22_45889781
chr16	87654816	87654816	+	1.483E-09	1.0694E-08	-0.25983	hypo	sig	chr16_87654816
chr15	74383900	74383900	+	1.483E-09	1.0696E-08	-0.31393	hypo	sig	chr15_74383900
chr17	233823	233823	+	1.483E-09	1.0698E-08	-0.25409	hypo	sig	chr17_233823
chr15	1.01E+08	100849558	+	1.484E-09	1.0702E-08	0.218666	hyper	sig	chr15_100849558
chr3	38029032	38029032	+	1.487E-09	1.0724E-08	0.28446	hyper	sig	chr3_38029032
chr7	64045732	64045732	+	1.487E-09	1.0724E-08	0.207324	hyper	sig	chr7_64045732
chr5	1.72E+08	171667981	+	1.488E-09	1.0728E-08	0.228389	hyper	sig	chr5_171667981

chr1	1460831	1460831	+	1.49E-09	1.0743E-08	-0.21258	hypo	sig	chr1_1460831
chr1	3111970	3111970	+	1.49E-09	1.0746E-08	0.256385	hyper	sig	chr1_3111970
chr7	1.51E+08	150977383	+	1.492E-09	1.0756E-08	0.208305	hyper	sig	chr7_150977383
chr4	7303099	7303099	+	1.492E-09	1.0759E-08	-0.20792	hypo	sig	chr4_7303099
chr2	2.35E+08	235493340	+	1.493E-09	1.0764E-08	0.23899	hyper	sig	chr2_235493340
chr12	7439907	7439907	+	1.493E-09	1.0764E-08	0.204251	hyper	sig	chr12_7439907
chr12	54014878	54014878	+	1.493E-09	1.0767E-08	0.213969	hyper	sig	chr12_54014878
chr20	63029458	63029458	+	1.493E-09	1.0767E-08	0.212764	hyper	sig	chr20_63029458
chr6	10384864	10384864	+	1.496E-09	1.0788E-08	0.267401	hyper	sig	chr6_10384864
chr10	1.25E+08	125150693	+	1.497E-09	1.0789E-08	-0.28091	hypo	sig	chr10_125150693
chr16	30474232	30474232	+	1.498E-09	1.0797E-08	0.234112	hyper	sig	chr16_30474232
chr13	1.12E+08	111970277	+	1.498E-09	1.0797E-08	-0.34639	hypo	sig	chr13_111970277
chr11	3219169	3219169	+	1.498E-09	1.08E-08	-0.21507	hypo	sig	chr11_3219169
chr17	79732963	79732963	+	1.498E-09	1.08E-08	-0.2371	hypo	sig	chr17_79732963
chr10	1.09E+08	109456720	+	1.5E-09	1.081E-08	0.217973	hyper	sig	chr10_109456720
chr9	1.37E+08	137322415	+	1.5E-09	1.0812E-08	-0.23642	hypo	sig	chr9_137322415
chr2	95025268	95025268	+	1.5E-09	1.0816E-08	0.251552	hyper	sig	chr2_95025268
chr16	31224432	31224432	+	1.501E-09	1.0816E-08	0.217603	hyper	sig	chr16_31224432
chr4	1.74E+08	174211782	+	1.502E-09	1.0825E-08	-0.21714	hypo	sig	chr4_174211782
chr1	16648057	16648057	+	1.503E-09	1.0833E-08	0.249111	hyper	sig	chr1_16648057
chr14	1.03E+08	103110080	+	1.505E-09	1.0849E-08	0.225645	hyper	sig	chr14_103110080
chr17	81031050	81031050	+	1.506E-09	1.0852E-08	-0.21664	hypo	sig	chr17_81031050
chr5	1.41E+08	141419311	+	1.506E-09	1.0853E-08	0.282337	hyper	sig	chr5_141419311
chr7	1.5E+08	150372786	+	1.507E-09	1.0862E-08	-0.21524	hypo	sig	chr7_150372786
chr5	1.41E+08	140836071	+	1.509E-09	1.0876E-08	0.250761	hyper	sig	chr5_140836071
chr16	55327773	55327773	+	1.509E-09	1.0877E-08	0.248194	hyper	sig	chr16_55327773
chr3	1.39E+08	139006003	+	1.51E-09	1.0881E-08	0.227534	hyper	sig	chr3_139006003
chr14	1.03E+08	103102855	+	1.511E-09	1.089E-08	0.226596	hyper	sig	chr14_103102855
chr17	43843199	43843199	+	1.512E-09	1.0895E-08	-0.24705	hypo	sig	chr17_43843199
chr17	81727669	81727669	+	1.513E-09	1.0901E-08	-0.23796	hypo	sig	chr17_81727669
chr12	34219368	34219368	+	1.514E-09	1.0906E-08	0.239531	hyper	sig	chr12_34219368
chr22	48396890	48396890	+	1.514E-09	1.091E-08	-0.21754	hypo	sig	chr22_48396890
chr19	18697155	18697155	+	1.515E-09	1.0915E-08	-0.20818	hypo	sig	chr19_18697155
chr21	44686189	44686189	+	1.516E-09	1.0923E-08	-0.23374	hypo	sig	chr21_44686189
chr11	31807689	31807689	+	1.517E-09	1.0929E-08	0.225925	hyper	sig	chr11_31807689
chr2	2.18E+08	218004874	+	1.517E-09	1.0931E-08	-0.27605	hypo	sig	chr2_218004874
chr11	1.3E+08	130189805	+	1.518E-09	1.0938E-08	-0.20213	hypo	sig	chr11_130189805
chr10	1.01E+08	101047249	+	1.519E-09	1.0944E-08	0.250901	hyper	sig	chr10_101047249
chr4	54230499	54230499	+	1.52E-09	1.0949E-08	0.229119	hyper	sig	chr4_54230499
chr6	28090946	28090946	+	1.52E-09	1.0949E-08	0.223359	hyper	sig	chr6_28090946
chr12	52258890	52258890	+	1.521E-09	1.0956E-08	0.28519	hyper	sig	chr12_52258890
chr19	22623394	22623394	+	1.522E-09	1.0961E-08	0.262935	hyper	sig	chr19_22623394
chr10	1.33E+08	132833755	+	1.522E-09	1.0967E-08	-0.20994	hypo	sig	chr10_132833755
chr11	2287421	2287421	+	1.523E-09	1.0971E-08	0.231531	hyper	sig	chr11_2287421
chr17	48564669	48564669	+	1.524E-09	1.0979E-08	0.221059	hyper	sig	chr17_48564669
chr5	1.41E+08	141394980	+	1.524E-09	1.0981E-08	0.245369	hyper	sig	chr5_141394980
chr10	1.2E+08	119818842	+	1.524E-09	1.0982E-08	0.240992	hyper	sig	chr10_119818842
chr15	52795253	52795253	+	1.526E-09	1.0994E-08	0.2056	hyper	sig	chr15_52795253
chr5	3311173	3311173	+	1.526E-09	1.0994E-08	-0.25227	hypo	sig	chr5_3311173
chr1	90729782	90729782	+	1.528E-09	1.1003E-08	0.212618	hyper	sig	chr1_90729782
chr1	2.48E+08	247639742	+	1.528E-09	1.1007E-08	0.26125	hyper	sig	chr1_247639742
chr13	1.13E+08	113453322	+	1.528E-09	1.1007E-08	0.211722	hyper	sig	chr13_113453322
chr13	40922667	40922667	+	1.529E-09	1.1016E-08	-0.21624	hypo	sig	chr13_40922667
chr11	64891669	64891669	+	1.531E-09	1.1027E-08	-0.24223	hypo	sig	chr11_64891669
chr17	2384848	2384848	+	1.532E-09	1.1037E-08	0.262503	hyper	sig	chr17_2384848
chr1	2.05E+08	204980433	+	1.534E-09	1.105E-08	-0.2206	hypo	sig	chr1_204980433

chr11	20162773	20162773	+	1.535E-09	1.1055E-08	0.207484	hyper	sig	chr11_20162773
chr18	26865114	26865114	+	1.537E-09	1.107E-08	-0.21839	hypo	sig	chr18_26865114
chr7	1.36E+08	135661968	+	1.54E-09	1.109E-08	-0.28532	hypo	sig	chr7_135661968
chr7	56483967	56483967	+	1.541E-09	1.1094E-08	0.236577	hyper	sig	chr7_56483967
chr5	2754829	2754829	+	1.541E-09	1.1097E-08	0.212176	hyper	sig	chr5_2754829
chr1	1.48E+08	148354566	+	1.543E-09	1.1108E-08	0.262037	hyper	sig	chr1_148354566
chr17	82822507	82822507	+	1.543E-09	1.1111E-08	0.201637	hyper	sig	chr17_82822507
chr13	27975719	27975719	+	1.544E-09	1.1117E-08	0.264633	hyper	sig	chr13_27975719
chr7	1.59E+08	159061819	+	1.545E-09	1.1119E-08	0.225519	hyper	sig	chr7_159061819
chr20	34559819	34559819	+	1.546E-09	1.113E-08	0.214996	hyper	sig	chr20_34559819
chr2	2.42E+08	241857427	+	1.546E-09	1.1133E-08	-0.2897	hypo	sig	chr2_241857427
chr8	70035034	70035034	+	1.547E-09	1.1137E-08	0.268654	hyper	sig	chr8_70035034
chr5	1.51E+08	150671382	+	1.548E-09	1.1141E-08	-0.21026	hypo	sig	chr5_150671382
chr6	99613041	99613041	+	1.548E-09	1.1143E-08	0.217312	hyper	sig	chr6_99613041
chr11	1443574	1443574	+	1.549E-09	1.1149E-08	-0.29229	hypo	sig	chr11_1443574
chr15	47184094	47184094	+	1.553E-09	1.1177E-08	0.253773	hyper	sig	chr15_47184094
chr16	67162890	67162890	+	1.553E-09	1.1177E-08	0.269189	hyper	sig	chr16_67162890
chr16	87668175	87668175	+	1.553E-09	1.1178E-08	-0.22976	hypo	sig	chr16_87668175
chr2	1.35E+08	134718163	+	1.555E-09	1.119E-08	0.239009	hyper	sig	chr2_134718163
chr17	78140937	78140937	+	1.555E-09	1.1193E-08	-0.22699	hypo	sig	chr17_78140937
chr19	1496560	1496560	+	1.556E-09	1.1202E-08	-0.25747	hypo	sig	chr19_1496560
chr16	87582633	87582633	+	1.558E-09	1.1216E-08	0.20404	hyper	sig	chr16_87582633
chr19	1450419	1450419	+	1.562E-09	1.1239E-08	0.205583	hyper	sig	chr19_1450419
chr1	2.47E+08	246609313	+	1.565E-09	1.1262E-08	-0.24132	hypo	sig	chr1_246609313
chr14	70187215	70187215	+	1.565E-09	1.1264E-08	0.236824	hyper	sig	chr14_70187215
chr7	16644442	16644442	+	1.566E-09	1.1267E-08	0.207552	hyper	sig	chr7_16644442
chr19	58513580	58513580	+	1.566E-09	1.1267E-08	-0.21617	hypo	sig	chr19_58513580
chr11	31987302	31987302	+	1.567E-09	1.1275E-08	0.241316	hyper	sig	chr11_31987302
chr11	2826164	2826164	+	1.568E-09	1.128E-08	0.20325	hyper	sig	chr11_2826164
chr7	30911123	30911123	+	1.568E-09	1.1281E-08	0.25094	hyper	sig	chr7_30911123
chr4	44447607	44447607	+	1.568E-09	1.1283E-08	0.202381	hyper	sig	chr4_44447607
chr11	67458466	67458466	+	1.568E-09	1.1284E-08	0.206455	hyper	sig	chr11_67458466
chr5	1.41E+08	141123336	+	1.569E-09	1.1288E-08	0.218554	hyper	sig	chr5_141123336
chr16	29255150	29255150	+	1.569E-09	1.1288E-08	-0.21446	hypo	sig	chr16_29255150
chr7	4739277	4739277	+	1.57E-09	1.1294E-08	0.211717	hyper	sig	chr7_4739277
chr19	552944	552944	+	1.571E-09	1.1301E-08	-0.30671	hypo	sig	chr19_552944
chr17	79211023	79211023	+	1.571E-09	1.1304E-08	-0.20126	hypo	sig	chr17_79211023
chr9	1.36E+08	135560840	+	1.574E-09	1.1321E-08	-0.21916	hypo	sig	chr9_135560840
chr6	31877636	31877636	+	1.575E-09	1.1332E-08	-0.2125	hypo	sig	chr6_31877636
chr7	1546405	1546405	+	1.576E-09	1.1333E-08	0.237374	hyper	sig	chr7_1546405
chr19	50428718	50428718	+	1.577E-09	1.1344E-08	-0.23153	hypo	sig	chr19_50428718
chr1	2.28E+08	228158313	+	1.579E-09	1.1356E-08	0.254352	hyper	sig	chr1_228158313
chr16	49278042	49278042	+	1.579E-09	1.1359E-08	0.211397	hyper	sig	chr16_49278042
chr5	1409705	1409705	+	1.58E-09	1.1361E-08	0.200353	hyper	sig	chr5_1409705
chr15	65396927	65396927	+	1.581E-09	1.1369E-08	0.213637	hyper	sig	chr15_65396927
chr19	35040507	35040507	+	1.582E-09	1.1376E-08	0.230159	hyper	sig	chr19_35040507
chr11	46352133	46352133	+	1.582E-09	1.1378E-08	0.228208	hyper	sig	chr11_46352133
chr22	50177991	50177991	+	1.582E-09	1.1379E-08	0.223468	hyper	sig	chr22_50177991
chr11	1101376	1101376	+	1.583E-09	1.1384E-08	-0.23788	hypo	sig	chr11_1101376
chr12	54058093	54058093	+	1.585E-09	1.1398E-08	-0.20436	hypo	sig	chr12_54058093
chr6	31766131	31766131	+	1.585E-09	1.1399E-08	0.202446	hyper	sig	chr6_31766131
chr11	3153808	3153808	+	1.585E-09	1.14E-08	0.209136	hyper	sig	chr11_3153808
chr11	65833212	65833212	+	1.586E-09	1.1402E-08	0.280003	hyper	sig	chr11_65833212
chr20	63006034	63006034	+	1.589E-09	1.1427E-08	0.204209	hyper	sig	chr20_63006034
chr20	25584802	25584802	+	1.592E-09	1.1448E-08	0.203187	hyper	sig	chr20_25584802
chr20	63254010	63254010	+	1.594E-09	1.1459E-08	0.222945	hyper	sig	chr20_63254010

chr2	45170897	45170897	+	1.595E-09	1.1465E-08	0.210328	hyper	sig	chr2_45170897
chr17	7855058	7855058	+	1.597E-09	1.1478E-08	0.215929	hyper	sig	chr17_7855058
chr19	22623365	22623365	+	1.598E-09	1.1486E-08	0.30901	hyper	sig	chr19_22623365
chr17	77960207	77960207	+	1.598E-09	1.149E-08	0.217788	hyper	sig	chr17_77960207
chr15	74130336	74130336	+	1.599E-09	1.1493E-08	0.212212	hyper	sig	chr15_74130336
chr6	28259509	28259509	+	1.603E-09	1.152E-08	0.259936	hyper	sig	chr6_28259509
chr9	37120008	37120008	+	1.603E-09	1.1525E-08	0.206523	hyper	sig	chr9_37120008
chr12	54128193	54128193	+	1.604E-09	1.1527E-08	-0.20757	hypo	sig	chr12_54128193
chr6	1.36E+08	136192232	+	1.604E-09	1.153E-08	-0.24234	hypo	sig	chr6_136192232
chr19	30228546	30228546	+	1.604E-09	1.153E-08	0.20093	hyper	sig	chr19_30228546
chr1	2.03E+08	203085787	+	1.604E-09	1.1532E-08	-0.21495	hypo	sig	chr1_203085787
chr1	90841427	90841427	+	1.605E-09	1.1538E-08	0.322546	hyper	sig	chr1_90841427
chr15	82573079	82573079	+	1.606E-09	1.1543E-08	-0.20383	hypo	sig	chr15_82573079
chr8	1.44E+08	143708088	+	1.606E-09	1.1543E-08	0.233424	hyper	sig	chr8_143708088
chr16	66923549	66923549	+	1.607E-09	1.1548E-08	0.239546	hyper	sig	chr16_66923549
chr2	2.18E+08	218402647	+	1.607E-09	1.155E-08	0.207142	hyper	sig	chr2_218402647
chr1	1.57E+08	156845827	+	1.608E-09	1.1556E-08	0.233569	hyper	sig	chr1_156845827
chr1	43302882	43302882	+	1.608E-09	1.1556E-08	-0.20861	hypo	sig	chr1_43302882
chr19	54906186	54906186	+	1.608E-09	1.1557E-08	0.219403	hyper	sig	chr19_54906186
chr4	26063529	26063529	+	1.609E-09	1.1562E-08	-0.2844	hypo	sig	chr4_26063529
chr1	13511667	13511667	+	1.611E-09	1.1574E-08	-0.20722	hypo	sig	chr1_13511667
chr17	41315676	41315676	+	1.614E-09	1.1596E-08	0.206628	hyper	sig	chr17_41315676
chr16	85208409	85208409	+	1.615E-09	1.1601E-08	-0.20759	hypo	sig	chr16_85208409
chr20	63534181	63534181	+	1.615E-09	1.1603E-08	0.232822	hyper	sig	chr20_63534181
chr19	17977686	17977686	+	1.616E-09	1.161E-08	-0.208	hypo	sig	chr19_17977686
chr16	31471488	31471488	+	1.616E-09	1.161E-08	0.214001	hyper	sig	chr16_31471488
chr11	1.2E+08	119568287	+	1.617E-09	1.1617E-08	0.23174	hyper	sig	chr11_119568287
chr1	3063393	3063393	+	1.618E-09	1.1627E-08	0.308127	hyper	sig	chr1_3063393
chr5	1.68E+08	167858630	+	1.618E-09	1.1627E-08	0.200043	hyper	sig	chr5_167858630
chr14	1.04E+08	104222229	+	1.618E-09	1.1627E-08	-0.21805	hypo	sig	chr14_104222229
chr5	1.11E+08	111070832	+	1.62E-09	1.1636E-08	0.210779	hyper	sig	chr5_111070832
chr10	1.01E+08	101140392	+	1.62E-09	1.1636E-08	0.212501	hyper	sig	chr10_101140392
chr6	37649390	37649390	+	1.62E-09	1.1637E-08	0.224693	hyper	sig	chr6_37649390
chr18	79434648	79434648	+	1.622E-09	1.1651E-08	-0.2596	hypo	sig	chr18_79434648
chr19	5838720	5838720	+	1.623E-09	1.1659E-08	-0.21499	hypo	sig	chr19_5838720
chr3	44585205	44585205	+	1.624E-09	1.1665E-08	0.203373	hyper	sig	chr3_44585205
chr13	1.14E+08	113671389	+	1.624E-09	1.1666E-08	-0.22666	hypo	sig	chr13_113671389
chr10	1.03E+08	103277942	+	1.625E-09	1.167E-08	0.228759	hyper	sig	chr10_103277942
chr17	48523171	48523171	+	1.625E-09	1.1674E-08	0.241109	hyper	sig	chr17_48523171
chr1	1282129	1282129	+	1.627E-09	1.1686E-08	-0.20925	hypo	sig	chr1_1282129
chr6	1.69E+08	169254624	+	1.628E-09	1.1694E-08	-0.22884	hypo	sig	chr6_169254624
chr22	31104866	31104866	+	1.628E-09	1.1696E-08	0.286773	hyper	sig	chr22_31104866
chr8	1.42E+08	142004740	+	1.63E-09	1.1706E-08	0.210835	hyper	sig	chr8_142004740
chr1	58814645	58814645	+	1.631E-09	1.171E-08	-0.22617	hypo	sig	chr1_58814645
chr16	88978359	88978359	+	1.631E-09	1.1714E-08	-0.24406	hypo	sig	chr16_88978359
chr8	1.44E+08	144108267	+	1.632E-09	1.1721E-08	0.229641	hyper	sig	chr8_144108267
chr19	5915035	5915035	+	1.632E-09	1.1722E-08	0.209855	hyper	sig	chr19_5915035
chr3	62377078	62377078	+	1.634E-09	1.1737E-08	0.208015	hyper	sig	chr3_62377078
chr16	2853163	2853163	+	1.635E-09	1.1741E-08	0.271455	hyper	sig	chr16_2853163
chr7	2110306	2110306	+	1.635E-09	1.1742E-08	-0.21733	hypo	sig	chr7_2110306
chr1	50416299	50416299	+	1.637E-09	1.1754E-08	0.229758	hyper	sig	chr1_50416299
chr19	49969250	49969250	+	1.638E-09	1.1763E-08	-0.29905	hypo	sig	chr19_49969250
chr8	1676515	1676515	+	1.638E-09	1.1763E-08	-0.25562	hypo	sig	chr8_1676515
chr5	2915190	2915190	+	1.638E-09	1.1764E-08	0.205152	hyper	sig	chr5_2915190
chr19	30226808	30226808	+	1.639E-09	1.1772E-08	0.317809	hyper	sig	chr19_30226808
chr22	49632491	49632491	+	1.641E-09	1.178E-08	0.202923	hyper	sig	chr22_49632491

chr19	43624086	43624086	+	1.642E-09	1.1792E-08	-0.29595	hypo	sig	chr19_43624086
chr14	1.05E+08	104953278	+	1.642E-09	1.1792E-08	-0.23031	hypo	sig	chr14_104953278
chr5	1.41E+08	141394864	+	1.643E-09	1.1797E-08	0.226603	hyper	sig	chr5_141394864
chr9	1.22E+08	122220137	+	1.644E-09	1.1799E-08	0.214839	hyper	sig	chr9_122220137
chr5	1395129	1395129	+	1.644E-09	1.1803E-08	-0.22608	hypo	sig	chr5_1395129
chr19	48444321	48444321	+	1.645E-09	1.1806E-08	0.2389	hyper	sig	chr19_48444321
chr4	37243675	37243675	+	1.646E-09	1.1818E-08	0.209266	hyper	sig	chr4_37243675
chr10	79222462	79222462	+	1.647E-09	1.1822E-08	0.20782	hyper	sig	chr10_79222462
chr7	1.5E+08	150048060	+	1.647E-09	1.1823E-08	0.263594	hyper	sig	chr7_150048060
chr1	2.24E+08	224175699	+	1.65E-09	1.1841E-08	0.299718	hyper	sig	chr1_224175699
chr16	89668718	89668718	+	1.653E-09	1.1863E-08	-0.24477	hypo	sig	chr16_89668718
chr7	55449404	55449404	+	1.654E-09	1.1869E-08	0.235486	hyper	sig	chr7_55449404
chr13	21263971	21263971	+	1.656E-09	1.1888E-08	0.202042	hyper	sig	chr13_21263971
chr20	46058404	46058404	+	1.657E-09	1.1893E-08	0.245558	hyper	sig	chr20_46058404
chr1	2.47E+08	246791199	+	1.66E-09	1.1914E-08	-0.20473	hypo	sig	chr1_246791199
chr1	75132126	75132126	+	1.663E-09	1.1935E-08	0.208471	hyper	sig	chr1_75132126
chr1	1.6E+08	160400068	+	1.666E-09	1.1954E-08	0.215044	hyper	sig	chr1_160400068
chr14	28765684	28765684	+	1.666E-09	1.1954E-08	0.208034	hyper	sig	chr14_28765684
chr1	2452248	2452248	+	1.666E-09	1.1957E-08	0.217061	hyper	sig	chr1_2452248
chr3	40615706	40615706	+	1.668E-09	1.197E-08	0.217231	hyper	sig	chr3_40615706
chr6	77462697	77462697	+	1.669E-09	1.1975E-08	0.202037	hyper	sig	chr6_77462697
chr16	85262391	85262391	+	1.669E-09	1.1976E-08	-0.23576	hypo	sig	chr16_85262391
chr12	54014880	54014880	+	1.67E-09	1.1978E-08	0.201029	hyper	sig	chr12_54014880
chr3	13474180	13474180	+	1.67E-09	1.198E-08	-0.22939	hypo	sig	chr3_13474180
chr6	1E+08	100457811	+	1.67E-09	1.1982E-08	0.208541	hyper	sig	chr6_100457811
chr2	1.21E+08	120984569	+	1.67E-09	1.1983E-08	-0.22412	hypo	sig	chr2_120984569
chr16	86733066	86733066	+	1.671E-09	1.1986E-08	0.253518	hyper	sig	chr16_86733066
chr4	7250739	7250739	+	1.671E-09	1.1986E-08	0.207131	hyper	sig	chr4_7250739
chr2	3536046	3536046	+	1.676E-09	1.2021E-08	0.225745	hyper	sig	chr2_3536046
chr9	1.22E+08	122219898	+	1.677E-09	1.2028E-08	0.247909	hyper	sig	chr9_122219898
chr20	64098751	64098751	+	1.678E-09	1.2037E-08	-0.20458	hypo	sig	chr20_64098751
chr4	385895	385895	+	1.678E-09	1.2038E-08	0.282987	hyper	sig	chr4_385895
chr19	35350792	35350792	+	1.679E-09	1.204E-08	-0.22819	hypo	sig	chr19_35350792
chr10	1.19E+08	118595299	+	1.679E-09	1.2041E-08	0.20232	hyper	sig	chr10_118595299
chr11	1.29E+08	128689349	+	1.679E-09	1.2043E-08	0.271446	hyper	sig	chr11_128689349
chr1	53088879	53088879	+	1.681E-09	1.2058E-08	-0.23058	hypo	sig	chr1_53088879
chr12	1.32E+08	132271143	+	1.683E-09	1.2069E-08	-0.22958	hypo	sig	chr12_132271143
chr1	3323115	3323115	+	1.686E-09	1.2088E-08	-0.26473	hypo	sig	chr1_3323115
chr5	1.35E+08	135027363	+	1.687E-09	1.2098E-08	0.218487	hyper	sig	chr5_135027363
chr19	685205	685205	+	1.688E-09	1.2106E-08	-0.22522	hypo	sig	chr19_685205
chr16	1096421	1096421	+	1.688E-09	1.2107E-08	-0.27485	hypo	sig	chr16_1096421
chr5	1.41E+08	141400264	+	1.689E-09	1.2112E-08	0.298807	hyper	sig	chr5_141400264
chr11	92225698	92225698	+	1.692E-09	1.2131E-08	0.222431	hyper	sig	chr11_92225698
chr6	1.08E+08	108175527	+	1.692E-09	1.2132E-08	0.200266	hyper	sig	chr6_108175527
chr10	75408767	75408767	+	1.693E-09	1.2136E-08	0.251592	hyper	sig	chr10_75408767
chr4	1.83E+08	182807314	+	1.693E-09	1.2137E-08	0.203474	hyper	sig	chr4_182807314
chr1	1282131	1282131	+	1.693E-09	1.2138E-08	-0.20086	hypo	sig	chr1_1282131
chr7	75866857	75866857	+	1.693E-09	1.2139E-08	0.212028	hyper	sig	chr7_75866857
chr1	19273065	19273065	+	1.694E-09	1.2141E-08	-0.24	hypo	sig	chr1_19273065
chr15	96367943	96367943	+	1.695E-09	1.2148E-08	0.267848	hyper	sig	chr15_96367943
chr20	63467825	63467825	+	1.695E-09	1.2152E-08	-0.27878	hypo	sig	chr20_63467825
chr6	42744806	42744806	+	1.696E-09	1.2159E-08	0.271993	hyper	sig	chr6_42744806
chr19	55359104	55359104	+	1.698E-09	1.2174E-08	-0.20931	hypo	sig	chr19_55359104
chr22	46661310	46661310	+	1.699E-09	1.2179E-08	-0.22873	hypo	sig	chr22_46661310
chr16	5058607	5058607	+	1.699E-09	1.218E-08	0.222949	hyper	sig	chr16_5058607
chr8	10404199	10404199	+	1.7E-09	1.2183E-08	-0.22673	hypo	sig	chr8_10404199

chr2	2.42E+08	241809530	+	1.7E-09	1.2186E-08	0.232393	hyper	sig	chr2_241809530
chr8	1.1E+08	109645815	+	1.7E-09	1.2187E-08	-0.22473	hypo	sig	chr8_109645815
chr14	37622646	37622646	+	1.701E-09	1.2192E-08	0.236804	hyper	sig	chr14_37622646
chr12	1.15E+08	114687194	+	1.702E-09	1.2198E-08	0.218962	hyper	sig	chr12_114687194
chr22	22559473	22559473	+	1.702E-09	1.2201E-08	-0.23352	hypo	sig	chr22_22559473
chr2	20226157	20226157	+	1.702E-09	1.2201E-08	-0.30676	hypo	sig	chr2_20226157
chr2	868436	868436	+	1.703E-09	1.2204E-08	0.224009	hyper	sig	chr2_868436
chr19	35960082	35960082	+	1.704E-09	1.2209E-08	0.270686	hyper	sig	chr19_35960082
chr1	1166068	1166068	+	1.704E-09	1.2211E-08	-0.21483	hypo	sig	chr1_1166068
chr2	2.39E+08	239118400	+	1.704E-09	1.2212E-08	0.228414	hyper	sig	chr2_239118400
chr1	1165937	1165937	+	1.705E-09	1.2215E-08	-0.20724	hypo	sig	chr1_1165937
chr1	2174926	2174926	+	1.705E-09	1.2221E-08	0.205092	hyper	sig	chr1_2174926
chr1	84691533	84691533	+	1.705E-09	1.2222E-08	-0.21596	hypo	sig	chr1_84691533
chr12	75207738	75207738	+	1.707E-09	1.2236E-08	0.244572	hyper	sig	chr12_75207738
chr4	54088687	54088687	+	1.709E-09	1.2245E-08	-0.33984	hypo	sig	chr4_54088687
chr15	79090783	79090783	+	1.71E-09	1.2253E-08	0.238348	hyper	sig	chr15_79090783
chr19	37790761	37790761	+	1.71E-09	1.2253E-08	0.220026	hyper	sig	chr19_37790761
chr20	17683261	17683261	+	1.711E-09	1.2261E-08	-0.20104	hypo	sig	chr20_17683261
chr14	64541310	64541310	+	1.712E-09	1.2263E-08	0.213963	hyper	sig	chr14_64541310
chr14	99591174	99591174	+	1.712E-09	1.2265E-08	0.247212	hyper	sig	chr14_99591174
chr8	1605068	1605068	+	1.712E-09	1.2269E-08	-0.21748	hypo	sig	chr8_1605068
chr2	1.07E+08	106585855	+	1.714E-09	1.2277E-08	-0.22491	hypo	sig	chr2_106585855
chr5	1202334	1202334	+	1.715E-09	1.2285E-08	-0.218	hypo	sig	chr5_1202334
chr2	2.41E+08	241204110	+	1.717E-09	1.23E-08	-0.26644	hypo	sig	chr2_241204110
chr16	86931814	86931814	+	1.717E-09	1.2302E-08	0.202693	hyper	sig	chr16_86931814
chr7	67364795	67364795	+	1.72E-09	1.2318E-08	0.217866	hyper	sig	chr7_67364795
chr22	49669181	49669181	+	1.72E-09	1.2322E-08	0.221736	hyper	sig	chr22_49669181
chr2	1.61E+08	161427294	+	1.721E-09	1.2327E-08	0.225227	hyper	sig	chr2_161427294
chr16	1288502	1288502	+	1.721E-09	1.2329E-08	-0.24109	hypo	sig	chr16_1288502
chr16	49278627	49278627	+	1.722E-09	1.2335E-08	0.205633	hyper	sig	chr16_49278627
chr7	1.5E+08	150048035	+	1.723E-09	1.2338E-08	0.203576	hyper	sig	chr7_150048035
chr10	1.33E+08	133226810	+	1.723E-09	1.2338E-08	-0.20413	hypo	sig	chr10_133226810
chr11	60852139	60852139	+	1.726E-09	1.2358E-08	-0.2274	hypo	sig	chr11_60852139
chr9	1.19E+08	119369153	+	1.726E-09	1.2361E-08	0.294935	hyper	sig	chr9_119369153
chr14	1.05E+08	104687153	+	1.727E-09	1.2368E-08	-0.21695	hypo	sig	chr14_104687153
chr11	2426291	2426291	+	1.727E-09	1.2369E-08	-0.25931	hypo	sig	chr11_2426291
chr2	1.76E+08	176083275	+	1.729E-09	1.238E-08	0.219348	hyper	sig	chr2_176083275
chr22	20494867	20494867	+	1.73E-09	1.239E-08	0.211807	hyper	sig	chr22_20494867
chr20	63752128	63752128	+	1.731E-09	1.2397E-08	-0.21039	hypo	sig	chr20_63752128
chr10	1.01E+08	101234263	+	1.732E-09	1.2401E-08	0.243315	hyper	sig	chr10_101234263
chr17	66958282	66958282	+	1.732E-09	1.2402E-08	0.209968	hyper	sig	chr17_66958282
chr9	1.31E+08	130663252	+	1.733E-09	1.2406E-08	0.242047	hyper	sig	chr9_130663252
chr2	80303141	80303141	+	1.734E-09	1.2418E-08	0.207437	hyper	sig	chr2_80303141
chr15	25241481	25241481	+	1.735E-09	1.242E-08	-0.20466	hypo	sig	chr15_25241481
chr15	52795119	52795119	+	1.735E-09	1.242E-08	0.279783	hyper	sig	chr15_52795119
chr7	1.59E+08	159061832	+	1.739E-09	1.2451E-08	0.225535	hyper	sig	chr7_159061832
chr7	2638614	2638614	+	1.741E-09	1.246E-08	0.203879	hyper	sig	chr7_2638614
chr17	79048406	79048406	+	1.741E-09	1.2465E-08	-0.23566	hypo	sig	chr17_79048406
chr17	4901027	4901027	+	1.742E-09	1.2468E-08	0.223383	hyper	sig	chr17_4901027
chr1	2E+08	200212074	+	1.742E-09	1.2468E-08	-0.21149	hypo	sig	chr1_200212074
chr7	57180250	57180250	+	1.744E-09	1.2481E-08	-0.21822	hypo	sig	chr7_57180250
chr6	1E+08	100467345	+	1.745E-09	1.2488E-08	0.227178	hyper	sig	chr6_100467345
chr8	79376393	79376393	+	1.746E-09	1.2498E-08	-0.26363	hypo	sig	chr8_79376393
chr12	34358551	34358551	+	1.747E-09	1.2504E-08	-0.24189	hypo	sig	chr12_34358551
chr12	1.25E+08	124733057	+	1.747E-09	1.2506E-08	0.276219	hyper	sig	chr12_124733057
chr9	1.35E+08	134783869	+	1.748E-09	1.2512E-08	-0.20441	hypo	sig	chr9_134783869

chr7	1.51E+08	151056953	+	1.749E-09	1.2518E-08	0.305273	hyper	sig	chr7_151056953
chr13	36346669	36346669	+	1.752E-09	1.2535E-08	0.209968	hyper	sig	chr13_36346669
chr11	31798071	31798071	+	1.752E-09	1.2541E-08	0.240197	hyper	sig	chr11_31798071
chr8	1.42E+08	142140113	+	1.755E-09	1.2556E-08	-0.20035	hypo	sig	chr8_142140113
chr10	70699873	70699873	+	1.755E-09	1.256E-08	-0.20366	hypo	sig	chr10_70699873
chr1	38044564	38044564	+	1.755E-09	1.256E-08	0.205594	hyper	sig	chr1_38044564
chr12	1.3E+08	130474321	+	1.756E-09	1.2567E-08	-0.22492	hypo	sig	chr12_130474321
chr18	78397443	78397443	+	1.757E-09	1.257E-08	-0.2599	hypo	sig	chr18_78397443
chr20	17614732	17614732	+	1.757E-09	1.2571E-08	0.221508	hyper	sig	chr20_17614732
chr11	1.24E+08	123560428	+	1.757E-09	1.2571E-08	0.244127	hyper	sig	chr11_123560428
chr13	94704047	94704047	+	1.757E-09	1.2572E-08	0.281442	hyper	sig	chr13_94704047
chr2	2.38E+08	238108496	+	1.758E-09	1.2581E-08	-0.20975	hypo	sig	chr2_238108496
chr1	16521295	16521295	+	1.764E-09	1.2622E-08	0.210915	hyper	sig	chr1_16521295
chr14	1E+08	100398195	+	1.767E-09	1.2641E-08	-0.20261	hypo	sig	chr14_100398195
chr9	1.3E+08	130263830	+	1.769E-09	1.2652E-08	-0.22177	hypo	sig	chr9_130263830
chr10	1.22E+08	121649330	+	1.77E-09	1.2662E-08	-0.20276	hypo	sig	chr10_121649330
chr8	1.43E+08	142585848	+	1.771E-09	1.2664E-08	-0.26276	hypo	sig	chr8_142585848
chr15	58864863	58864863	+	1.772E-09	1.2671E-08	0.25852	hyper	sig	chr15_58864863
chr19	407227	407227	+	1.773E-09	1.2678E-08	-0.23189	hypo	sig	chr19_407227
chr8	11750017	11750017	+	1.773E-09	1.2678E-08	-0.20854	hypo	sig	chr8_11750017
chr16	89608320	89608320	+	1.774E-09	1.2687E-08	-0.2759	hypo	sig	chr16_89608320
chr7	1747674	1747674	+	1.774E-09	1.269E-08	-0.20834	hypo	sig	chr7_1747674
chr2	68321010	68321010	+	1.774E-09	1.269E-08	-0.20038	hypo	sig	chr2_68321010
chr1	2.21E+08	220895134	+	1.775E-09	1.2695E-08	0.216339	hyper	sig	chr1_220895134
chr1	17560587	17560587	+	1.776E-09	1.2703E-08	-0.2852	hypo	sig	chr1_17560587
chr7	45176084	45176084	+	1.777E-09	1.2706E-08	-0.25714	hypo	sig	chr7_45176084
chr19	49527822	49527822	+	1.778E-09	1.2717E-08	0.214248	hyper	sig	chr19_49527822
chr18	23231885	23231885	+	1.783E-09	1.2747E-08	-0.21318	hypo	sig	chr18_23231885
chr21	46284313	46284313	+	1.783E-09	1.2747E-08	-0.21394	hypo	sig	chr21_46284313
chr15	74136717	74136717	+	1.783E-09	1.2747E-08	0.218342	hyper	sig	chr15_74136717
chr5	1.5E+08	150488713	+	1.783E-09	1.275E-08	0.278508	hyper	sig	chr5_150488713
chr5	2643096	2643096	+	1.783E-09	1.2751E-08	0.270613	hyper	sig	chr5_2643096
chr2	26171698	26171698	+	1.784E-09	1.2754E-08	0.220201	hyper	sig	chr2_26171698
chr12	1.32E+08	132310589	+	1.784E-09	1.2758E-08	0.20314	hyper	sig	chr12_132310589
chr13	1.12E+08	112013828	+	1.784E-09	1.2759E-08	-0.22245	hypo	sig	chr13_112013828
chr13	1.11E+08	110954870	+	1.785E-09	1.2761E-08	-0.22801	hypo	sig	chr13_110954870
chr1	2.47E+08	247090523	+	1.785E-09	1.2766E-08	-0.22536	hypo	sig	chr1_247090523
chr1	1207235	1207235	+	1.787E-09	1.2774E-08	-0.27555	hypo	sig	chr1_1207235
chr17	44248354	44248354	+	1.789E-09	1.2794E-08	-0.26821	hypo	sig	chr17_44248354
chr16	87656463	87656463	+	1.793E-09	1.2816E-08	0.237982	hyper	sig	chr16_87656463
chr1	3173178	3173178	+	1.794E-09	1.2822E-08	-0.24248	hypo	sig	chr1_3173178
chr13	1.12E+08	111556972	+	1.794E-09	1.2824E-08	-0.23839	hypo	sig	chr13_111556972
chr4	1.11E+08	110614439	+	1.795E-09	1.2831E-08	0.222788	hyper	sig	chr4_110614439
chr14	70187040	70187040	+	1.795E-09	1.2832E-08	0.242142	hyper	sig	chr14_70187040
chr4	1.21E+08	121381113	+	1.796E-09	1.2837E-08	0.21201	hyper	sig	chr4_121381113
chr5	77211820	77211820	+	1.797E-09	1.2841E-08	0.209075	hyper	sig	chr5_77211820
chr4	1.54E+08	153759627	+	1.797E-09	1.2845E-08	0.21066	hyper	sig	chr4_153759627
chr6	84763491	84763491	+	1.799E-09	1.2856E-08	0.241939	hyper	sig	chr6_84763491
chr11	1037762	1037762	+	1.8E-09	1.2863E-08	-0.22734	hypo	sig	chr11_1037762
chr11	1869667	1869667	+	1.801E-09	1.287E-08	-0.2174	hypo	sig	chr11_1869667
chr7	36154730	36154730	+	1.801E-09	1.2873E-08	0.214349	hyper	sig	chr7_36154730
chr11	78798602	78798602	+	1.803E-09	1.2883E-08	-0.23003	hypo	sig	chr11_78798602
chr17	44847932	44847932	+	1.803E-09	1.2887E-08	-0.21516	hypo	sig	chr17_44847932
chr16	1135424	1135424	+	1.804E-09	1.289E-08	-0.21794	hypo	sig	chr16_1135424
chr8	1.42E+08	141622403	+	1.805E-09	1.2896E-08	-0.28256	hypo	sig	chr8_141622403
chr11	66316226	66316226	+	1.806E-09	1.2903E-08	0.201387	hyper	sig	chr11_66316226

chr2	2.38E+08	237501426	+	1.809E-09	1.2922E-08	-0.23792	hypo	sig	chr2_237501426
chr16	1436117	1436117	+	1.809E-09	1.2927E-08	-0.21022	hypo	sig	chr16_1436117
chr19	49037042	49037042	+	1.81E-09	1.2929E-08	-0.21339	hypo	sig	chr19_49037042
chr5	63961725	63961725	+	1.81E-09	1.2931E-08	0.227638	hyper	sig	chr5_63961725
chr19	55366014	55366014	+	1.81E-09	1.2935E-08	-0.25202	hypo	sig	chr19_55366014
chr4	1.69E+08	168877777	+	1.812E-09	1.2947E-08	0.234115	hyper	sig	chr4_168877777
chr12	1642234	1642234	+	1.814E-09	1.2961E-08	-0.2045	hypo	sig	chr12_1642234
chr19	1223197	1223197	+	1.815E-09	1.2964E-08	0.210251	hyper	sig	chr19_1223197
chr15	99434724	99434724	+	1.815E-09	1.2966E-08	-0.23834	hypo	sig	chr15_99434724
chr3	28576661	28576661	+	1.816E-09	1.2972E-08	0.255415	hyper	sig	chr3_28576661
chr7	28959291	28959291	+	1.817E-09	1.2979E-08	-0.20483	hypo	sig	chr7_28959291
chr21	37920476	37920476	+	1.819E-09	1.299E-08	-0.23705	hypo	sig	chr21_37920476
chr19	4911086	4911086	+	1.819E-09	1.2994E-08	-0.20828	hypo	sig	chr19_4911086
chr14	93430055	93430055	+	1.819E-09	1.2997E-08	0.242905	hyper	sig	chr14_93430055
chr1	1.44E+08	143658829	+	1.821E-09	1.3004E-08	-0.20164	hypo	sig	chr1_143658829
chr1	52843556	52843556	+	1.821E-09	1.3005E-08	0.256721	hyper	sig	chr1_52843556
chr8	56113974	56113974	+	1.821E-09	1.301E-08	0.212294	hyper	sig	chr8_56113974
chr14	92922901	92922901	+	1.822E-09	1.3011E-08	0.200775	hyper	sig	chr14_92922901
chr4	1.11E+08	110612657	+	1.823E-09	1.3023E-08	0.214012	hyper	sig	chr4_110612657
chr1	39671975	39671975	+	1.827E-09	1.3048E-08	0.201092	hyper	sig	chr1_39671975
chr2	26504114	26504114	+	1.827E-09	1.3051E-08	-0.22554	hypo	sig	chr2_26504114
chr7	120696	120696	+	1.83E-09	1.3067E-08	-0.25861	hypo	sig	chr7_120696
chr17	20554169	20554169	+	1.83E-09	1.3067E-08	-0.20267	hypo	sig	chr17_20554169
chr11	69296040	69296040	+	1.831E-09	1.3072E-08	-0.21216	hypo	sig	chr11_69296040
chr16	29184721	29184721	+	1.831E-09	1.3073E-08	-0.22074	hypo	sig	chr16_29184721
chr10	3400608	3400608	+	1.831E-09	1.3073E-08	0.217257	hyper	sig	chr10_3400608
chr14	37622593	37622593	+	1.832E-09	1.308E-08	0.235563	hyper	sig	chr14_37622593
chr5	1174334	1174334	+	1.832E-09	1.3083E-08	-0.23418	hypo	sig	chr5_1174334
chr17	17812572	17812572	+	1.835E-09	1.31E-08	0.236423	hyper	sig	chr17_17812572
chr3	53844721	53844721	+	1.84E-09	1.3134E-08	-0.21504	hypo	sig	chr3_53844721
chr19	12597484	12597484	+	1.84E-09	1.3134E-08	0.234437	hyper	sig	chr19_12597484
chr11	70662112	70662112	+	1.844E-09	1.316E-08	0.23078	hyper	sig	chr11_70662112
chr6	30940962	30940962	+	1.846E-09	1.3178E-08	-0.20415	hypo	sig	chr6_30940962
chr10	1173910	1173910	+	1.846E-09	1.3181E-08	-0.24553	hypo	sig	chr10_1173910
chr1	46448856	46448856	+	1.847E-09	1.3185E-08	0.24248	hyper	sig	chr1_46448856
chr6	1.7E+08	170058566	+	1.848E-09	1.3193E-08	-0.25832	hypo	sig	chr6_170058566
chr19	407205	407205	+	1.849E-09	1.3198E-08	-0.21974	hypo	sig	chr19_407205
chr11	77138069	77138069	+	1.85E-09	1.3207E-08	0.248835	hyper	sig	chr11_77138069
chr15	26880433	26880433	+	1.852E-09	1.322E-08	-0.20838	hypo	sig	chr15_26880433
chr13	19818419	19818419	+	1.857E-09	1.3255E-08	0.200793	hyper	sig	chr13_19818419
chr15	58864889	58864889	+	1.857E-09	1.3256E-08	0.249135	hyper	sig	chr15_58864889
chr2	2.32E+08	232456434	+	1.857E-09	1.3256E-08	-0.22396	hypo	sig	chr2_232456434
chr8	1.41E+08	141368092	+	1.858E-09	1.3256E-08	-0.20207	hypo	sig	chr8_141368092
chr4	41744859	41744859	+	1.858E-09	1.3262E-08	0.319397	hyper	sig	chr4_41744859
chr7	1.29E+08	128860209	+	1.859E-09	1.3269E-08	0.211884	hyper	sig	chr7_128860209
chr2	2.41E+08	240726878	+	1.86E-09	1.3271E-08	-0.25508	hypo	sig	chr2_240726878
chr5	1.77E+08	176680095	+	1.86E-09	1.3271E-08	0.249516	hyper	sig	chr5_176680095
chr7	989503	989503	+	1.86E-09	1.3272E-08	0.23725	hyper	sig	chr7_989503
chr19	40365725	40365725	+	1.86E-09	1.3274E-08	0.240462	hyper	sig	chr19_40365725
chr10	1.32E+08	132135640	+	1.861E-09	1.3278E-08	-0.25093	hypo	sig	chr10_132135640
chr1	20343380	20343380	+	1.861E-09	1.3279E-08	0.221796	hyper	sig	chr1_20343380
chr8	1.44E+08	143915960	+	1.862E-09	1.3284E-08	-0.22616	hypo	sig	chr8_143915960
chr6	1917776	1917776	+	1.863E-09	1.3295E-08	-0.26411	hypo	sig	chr6_1917776
chr17	3917193	3917193	+	1.863E-09	1.3296E-08	-0.23083	hypo	sig	chr17_3917193
chr20	327676	327676	+	1.866E-09	1.331E-08	0.253819	hyper	sig	chr20_327676
chr16	81442913	81442913	+	1.868E-09	1.3324E-08	-0.22052	hypo	sig	chr16_81442913

chr8	943402	943402	+	1.868E-09	1.333E-08	-0.20258	hypo	sig	chr8_943402
chr3	1.35E+08	134650649	+	1.87E-09	1.3341E-08	0.217481	hyper	sig	chr3_134650649
chr22	17842723	17842723	+	1.872E-09	1.3355E-08	-0.22521	hypo	sig	chr22_17842723
chr3	50192127	50192127	+	1.874E-09	1.3366E-08	-0.20033	hypo	sig	chr3_50192127
chr19	10713201	10713201	+	1.874E-09	1.3367E-08	-0.20207	hypo	sig	chr19_10713201
chr15	99008749	99008749	+	1.874E-09	1.3367E-08	-0.24829	hypo	sig	chr15_99008749
chr14	28765772	28765772	+	1.874E-09	1.3369E-08	0.223787	hyper	sig	chr14_28765772
chr15	90868670	90868670	+	1.874E-09	1.337E-08	-0.23222	hypo	sig	chr15_90868670
chr1	2959981	2959981	+	1.875E-09	1.3374E-08	-0.21881	hypo	sig	chr1_2959981
chr10	1670690	1670690	+	1.876E-09	1.3378E-08	-0.21868	hypo	sig	chr10_1670690
chr12	75207743	75207743	+	1.877E-09	1.3389E-08	0.254691	hyper	sig	chr12_75207743
chr11	763398	763398	+	1.877E-09	1.339E-08	-0.23789	hypo	sig	chr11_763398
chr1	36320994	36320994	+	1.877E-09	1.3391E-08	0.210616	hyper	sig	chr1_36320994
chr14	99215913	99215913	+	1.878E-09	1.3391E-08	0.241224	hyper	sig	chr14_99215913
chr7	2763144	2763144	+	1.878E-09	1.3394E-08	0.269096	hyper	sig	chr7_2763144
chr10	1.31E+08	131078755	+	1.879E-09	1.3398E-08	-0.20519	hypo	sig	chr10_131078755
chr19	51415794	51415794	+	1.879E-09	1.3398E-08	-0.20758	hypo	sig	chr19_51415794
chr7	1.22E+08	122299831	+	1.882E-09	1.3421E-08	0.228498	hyper	sig	chr7_122299831
chr8	1.45E+08	144713951	+	1.883E-09	1.3426E-08	0.273063	hyper	sig	chr8_144713951
chr5	1.41E+08	140803066	+	1.883E-09	1.3429E-08	0.236201	hyper	sig	chr5_140803066
chr7	4971813	4971813	+	1.884E-09	1.3435E-08	-0.27457	hypo	sig	chr7_4971813
chr9	37027301	37027301	+	1.886E-09	1.3452E-08	0.203894	hyper	sig	chr9_37027301
chr19	35944860	35944860	+	1.886E-09	1.3452E-08	0.223828	hyper	sig	chr19_35944860
chr12	1.3E+08	130447541	+	1.888E-09	1.3464E-08	-0.24832	hypo	sig	chr12_130447541
chr16	3064883	3064883	+	1.89E-09	1.3476E-08	-0.25055	hypo	sig	chr16_3064883
chr8	1.16E+08	115648582	+	1.89E-09	1.3477E-08	0.244529	hyper	sig	chr8_115648582
chr2	71071799	71071799	+	1.89E-09	1.3478E-08	-0.23672	hypo	sig	chr2_71071799
chr10	79242797	79242797	+	1.892E-09	1.3488E-08	0.216265	hyper	sig	chr10_79242797
chr8	26047480	26047480	+	1.892E-09	1.3488E-08	0.254264	hyper	sig	chr8_26047480
chr9	97077397	97077397	+	1.894E-09	1.3505E-08	0.238024	hyper	sig	chr9_97077397
chr9	1.33E+08	133199932	+	1.895E-09	1.351E-08	-0.20273	hypo	sig	chr9_133199932
chr7	4416746	4416746	+	1.897E-09	1.3521E-08	0.21881	hyper	sig	chr7_4416746
chr20	35602307	35602307	+	1.897E-09	1.3525E-08	0.224148	hyper	sig	chr20_35602307
chr1	54403678	54403678	+	1.898E-09	1.3531E-08	0.222627	hyper	sig	chr1_54403678
chr5	1.41E+08	141374687	+	1.9E-09	1.3547E-08	0.237972	hyper	sig	chr5_141374687
chr8	2025427	2025427	+	1.903E-09	1.3564E-08	-0.20636	hypo	sig	chr8_2025427
chr19	40365762	40365762	+	1.905E-09	1.358E-08	0.242754	hyper	sig	chr19_40365762
chr5	1.33E+08	132748304	+	1.906E-09	1.3585E-08	-0.26852	hypo	sig	chr5_132748304
chr12	1.17E+08	117143305	+	1.907E-09	1.3591E-08	-0.201	hypo	sig	chr12_117143305
chr11	69819938	69819938	+	1.907E-09	1.3593E-08	0.266356	hyper	sig	chr11_69819938
chr5	36693010	36693010	+	1.908E-09	1.3595E-08	0.237143	hyper	sig	chr5_36693010
chr5	1.41E+08	141341259	+	1.908E-09	1.3595E-08	0.200332	hyper	sig	chr5_141341259
chr8	1.43E+08	143187114	+	1.908E-09	1.36E-08	-0.21443	hypo	sig	chr8_143187114
chr19	18225322	18225322	+	1.909E-09	1.3601E-08	0.220603	hyper	sig	chr19_18225322
chr9	1.37E+08	137254056	+	1.909E-09	1.3603E-08	-0.2175	hypo	sig	chr9_137254056
chr1	2.21E+08	220885425	+	1.91E-09	1.361E-08	0.284002	hyper	sig	chr1_220885425
chr16	68257756	68257756	+	1.91E-09	1.3612E-08	-0.21553	hypo	sig	chr16_68257756
chr2	2.22E+08	222298538	+	1.91E-09	1.3612E-08	0.209573	hyper	sig	chr2_222298538
chr1	31626540	31626540	+	1.911E-09	1.3615E-08	0.234129	hyper	sig	chr1_31626540
chr1	58814735	58814735	+	1.912E-09	1.3625E-08	-0.22856	hypo	sig	chr1_58814735
chr19	30262583	30262583	+	1.912E-09	1.3626E-08	-0.31815	hypo	sig	chr19_30262583
chr5	1.73E+08	172618173	+	1.912E-09	1.3628E-08	-0.34752	hypo	sig	chr5_172618173
chr16	75248419	75248419	+	1.917E-09	1.3657E-08	0.218316	hyper	sig	chr16_75248419
chr9	92807254	92807254	+	1.918E-09	1.3663E-08	0.234228	hyper	sig	chr9_92807254
chr7	65764559	65764559	+	1.918E-09	1.3664E-08	0.231556	hyper	sig	chr7_65764559
chr3	1.24E+08	123692312	+	1.919E-09	1.367E-08	0.256061	hyper	sig	chr3_123692312

chr6	1.67E+08	167349798	+	1.921E-09	1.3683E-08	-0.23452	hypo	sig	chr6_167349798
chr17	80501852	80501852	+	1.921E-09	1.3685E-08	0.286995	hyper	sig	chr17_80501852
chr6	1388942	1388942	+	1.922E-09	1.369E-08	0.223212	hyper	sig	chr6_1388942
chr11	2944562	2944562	+	1.924E-09	1.3706E-08	0.216866	hyper	sig	chr11_2944562
chr17	35752968	35752968	+	1.925E-09	1.3711E-08	0.206997	hyper	sig	chr17_35752968
chr19	40812044	40812044	+	1.925E-09	1.3711E-08	0.225641	hyper	sig	chr19_40812044
chr7	27249444	27249444	+	1.925E-09	1.3713E-08	0.257043	hyper	sig	chr7_27249444
chr7	1.58E+08	158267309	+	1.925E-09	1.3715E-08	-0.22244	hypo	sig	chr7_158267309
chr8	1.43E+08	143187122	+	1.926E-09	1.3719E-08	-0.21947	hypo	sig	chr8_143187122
chr21	45393383	45393383	+	1.926E-09	1.372E-08	-0.21865	hypo	sig	chr21_45393383
chr5	1446183	1446183	+	1.926E-09	1.3721E-08	0.253262	hyper	sig	chr5_1446183
chr13	27424063	27424063	+	1.929E-09	1.3736E-08	0.273377	hyper	sig	chr13_27424063
chr6	1.66E+08	165819434	+	1.93E-09	1.3744E-08	0.210606	hyper	sig	chr6_165819434
chr17	17445653	17445653	+	1.933E-09	1.3765E-08	-0.25618	hypo	sig	chr17_17445653
chr5	1.41E+08	140803052	+	1.935E-09	1.3783E-08	0.208515	hyper	sig	chr5_140803052
chr12	1.04E+08	104138749	+	1.937E-09	1.3792E-08	0.203068	hyper	sig	chr12_104138749
chr6	10382612	10382612	+	1.937E-09	1.3794E-08	0.206577	hyper	sig	chr6_10382612
chr4	54108474	54108474	+	1.939E-09	1.3808E-08	0.238706	hyper	sig	chr4_54108474
chr16	88927282	88927282	+	1.939E-09	1.3809E-08	-0.20221	hypo	sig	chr16_88927282
chr15	95327069	95327069	+	1.94E-09	1.3811E-08	0.205512	hyper	sig	chr15_95327069
chr5	1.75E+08	174750363	+	1.94E-09	1.3813E-08	-0.24572	hypo	sig	chr5_174750363
chr19	40613513	40613513	+	1.944E-09	1.3843E-08	0.22878	hyper	sig	chr19_40613513
chr17	65538396	65538396	+	1.945E-09	1.3848E-08	-0.20674	hypo	sig	chr17_65538396
chr2	44801125	44801125	+	1.947E-09	1.386E-08	0.254251	hyper	sig	chr2_44801125
chr7	1747731	1747731	+	1.948E-09	1.3864E-08	-0.24496	hypo	sig	chr7_1747731
chr12	98894038	98894038	+	1.95E-09	1.3879E-08	0.21001	hyper	sig	chr12_98894038
chr16	88485127	88485127	+	1.95E-09	1.3879E-08	-0.24441	hypo	sig	chr16_88485127
chr9	1.36E+08	136364533	+	1.95E-09	1.388E-08	0.253985	hyper	sig	chr9_136364533
chr19	58038445	58038445	+	1.951E-09	1.3884E-08	0.248316	hyper	sig	chr19_58038445
chr11	69251975	69251975	+	1.951E-09	1.3889E-08	-0.22502	hypo	sig	chr11_69251975
chr11	18412364	18412364	+	1.952E-09	1.3892E-08	0.213976	hyper	sig	chr11_18412364
chr6	1309614	1309614	+	1.952E-09	1.3894E-08	-0.20227	hypo	sig	chr6_1309614
chr13	40922758	40922758	+	1.953E-09	1.3897E-08	-0.2599	hypo	sig	chr13_40922758
chr12	49955574	49955574	+	1.954E-09	1.3905E-08	0.244031	hyper	sig	chr12_49955574
chr20	37519216	37519216	+	1.954E-09	1.3907E-08	0.21137	hyper	sig	chr20_37519216
chr14	1.05E+08	104578850	+	1.955E-09	1.3916E-08	-0.22923	hypo	sig	chr14_104578850
chr17	3386159	3386159	+	1.956E-09	1.3923E-08	0.203892	hyper	sig	chr17_3386159
chr5	37837975	37837975	+	1.957E-09	1.3926E-08	0.257895	hyper	sig	chr5_37837975
chr16	31143016	31143016	+	1.957E-09	1.393E-08	0.219566	hyper	sig	chr16_31143016
chr14	91575696	91575696	+	1.958E-09	1.3932E-08	-0.22636	hypo	sig	chr14_91575696
chr16	1181673	1181673	+	1.959E-09	1.3943E-08	0.232201	hyper	sig	chr16_1181673
chr12	33439565	33439565	+	1.962E-09	1.3958E-08	0.295314	hyper	sig	chr12_33439565
chr7	1421352	1421352	+	1.963E-09	1.3968E-08	-0.20712	hypo	sig	chr7_1421352
chr3	13171915	13171915	+	1.963E-09	1.3971E-08	-0.22421	hypo	sig	chr3_13171915
chr3	1.92E+08	191952760	+	1.965E-09	1.3981E-08	-0.21705	hypo	sig	chr3_191952760
chr1	2.25E+08	224618131	+	1.966E-09	1.399E-08	0.225108	hyper	sig	chr1_224618131
chr17	17352410	17352410	+	1.967E-09	1.3994E-08	-0.2083	hypo	sig	chr17_17352410
chr1	1.19E+08	118985467	+	1.967E-09	1.3995E-08	0.238514	hyper	sig	chr1_118985467
chr19	55156930	55156930	+	1.968E-09	1.3999E-08	0.263336	hyper	sig	chr19_55156930
chr19	17977707	17977707	+	1.969E-09	1.4006E-08	-0.21006	hypo	sig	chr19_17977707
chr3	1.23E+08	122681662	+	1.97E-09	1.4018E-08	-0.20148	hypo	sig	chr3_122681662
chr16	50674013	50674013	+	1.97E-09	1.4018E-08	0.252972	hyper	sig	chr16_50674013
chr12	1812842	1812842	+	1.97E-09	1.4019E-08	-0.33884	hypo	sig	chr12_1812842
chr20	3674259	3674259	+	1.971E-09	1.402E-08	-0.21197	hypo	sig	chr20_3674259
chr17	81665333	81665333	+	1.971E-09	1.4025E-08	-0.20153	hypo	sig	chr17_81665333
chr12	1.24E+08	124387764	+	1.975E-09	1.405E-08	0.259948	hyper	sig	chr12_124387764

chr4	6242585	6242585	+	1.975E-09	1.4051E-08	-0.20356	hypo	sig	chr4_6242585
chr5	1.77E+08	177385122	+	1.976E-09	1.4059E-08	-0.20875	hypo	sig	chr5_177385122
chr2	1.56E+08	156329361	+	1.977E-09	1.4061E-08	0.278671	hyper	sig	chr2_156329361
chr3	13654245	13654245	+	1.979E-09	1.4078E-08	-0.2124	hypo	sig	chr3_13654245
chr19	2770423	2770423	+	1.98E-09	1.4082E-08	0.237866	hyper	sig	chr19_2770423
chr11	70662131	70662131	+	1.981E-09	1.4087E-08	0.227398	hyper	sig	chr11_70662131
chr12	1.24E+08	124387766	+	1.982E-09	1.41E-08	0.263296	hyper	sig	chr12_124387766
chr16	66459208	66459208	+	1.99E-09	1.4155E-08	-0.22264	hypo	sig	chr16_66459208
chr17	8072757	8072757	+	1.992E-09	1.4167E-08	0.213928	hyper	sig	chr17_8072757
chr21	43720486	43720486	+	1.993E-09	1.4171E-08	-0.22462	hypo	sig	chr21_43720486
chr19	3871520	3871520	+	1.994E-09	1.4178E-08	-0.2175	hypo	sig	chr19_3871520
chr6	73299809	73299809	+	1.995E-09	1.4183E-08	0.23781	hyper	sig	chr6_73299809
chr10	1.25E+08	124545512	+	1.999E-09	1.4212E-08	-0.22043	hypo	sig	chr10_124545512
chr1	1354462	1354462	+	1.999E-09	1.4213E-08	-0.2005	hypo	sig	chr1_1354462
chr1	9349716	9349716	+	1.999E-09	1.4214E-08	0.206922	hyper	sig	chr1_9349716
chr15	99434740	99434740	+	2.001E-09	1.4228E-08	-0.23001	hypo	sig	chr15_99434740
chr5	1.75E+08	175445338	+	2.003E-09	1.424E-08	0.223743	hyper	sig	chr5_175445338
chr10	1.01E+08	101140464	+	2.003E-09	1.4241E-08	0.275324	hyper	sig	chr10_101140464
chr15	89496244	89496244	+	2.004E-09	1.4247E-08	0.208483	hyper	sig	chr15_89496244
chr17	2058010	2058010	+	2.005E-09	1.425E-08	0.210923	hyper	sig	chr17_2058010
chr19	407209	407209	+	2.006E-09	1.4263E-08	-0.22207	hypo	sig	chr19_407209
chr15	79562574	79562574	+	2.007E-09	1.4268E-08	0.20931	hyper	sig	chr15_79562574
chr7	74610555	74610555	+	2.008E-09	1.4275E-08	-0.20891	hypo	sig	chr7_74610555
chr11	1.14E+08	113779828	+	2.009E-09	1.4276E-08	-0.24939	hypo	sig	chr11_113779828
chr1	2.01E+08	200737958	+	2.009E-09	1.428E-08	-0.22943	hypo	sig	chr1_200737958
chr2	44801130	44801130	+	2.01E-09	1.4288E-08	0.250205	hyper	sig	chr2_44801130
chr5	1.41E+08	141419522	+	2.012E-09	1.4299E-08	0.21125	hyper	sig	chr5_141419522
chr17	79390365	79390365	+	2.012E-09	1.4301E-08	-0.20093	hypo	sig	chr17_79390365
chr6	84773361	84773361	+	2.013E-09	1.4307E-08	0.23399	hyper	sig	chr6_84773361
chr1	5994664	5994664	+	2.014E-09	1.4315E-08	-0.20497	hypo	sig	chr1_5994664
chr10	7407780	7407780	+	2.016E-09	1.4326E-08	0.24473	hyper	sig	chr10_7407780
chr7	76237006	76237006	+	2.019E-09	1.4348E-08	-0.247	hypo	sig	chr7_76237006
chr6	44295090	44295090	+	2.019E-09	1.4348E-08	-0.20945	hypo	sig	chr6_44295090
chr14	60641610	60641610	+	2.019E-09	1.4349E-08	0.256668	hyper	sig	chr14_60641610
chr10	1475109	1475109	+	2.022E-09	1.4366E-08	0.266068	hyper	sig	chr10_1475109
chr11	1208710	1208710	+	2.024E-09	1.4382E-08	-0.20286	hypo	sig	chr11_1208710
chr8	1414412	1414412	+	2.025E-09	1.4388E-08	-0.23031	hypo	sig	chr8_1414412
chr16	14304059	14304059	+	2.025E-09	1.439E-08	0.22569	hyper	sig	chr16_14304059
chr9	1.34E+08	134165563	+	2.027E-09	1.4406E-08	0.205761	hyper	sig	chr9_134165563
chr9	1.34E+08	133972193	+	2.03E-09	1.4425E-08	-0.2975	hypo	sig	chr9_133972193
chr6	466935	466935	+	2.031E-09	1.4427E-08	-0.20109	hypo	sig	chr6_466935
chr18	76056	76056	+	2.032E-09	1.4436E-08	0.207371	hyper	sig	chr18_76056
chr17	48554679	48554679	+	2.032E-09	1.4438E-08	0.226571	hyper	sig	chr17_48554679
chr5	1.79E+08	178994270	+	2.035E-09	1.4454E-08	0.244386	hyper	sig	chr5_178994270
chr13	20394890	20394890	+	2.039E-09	1.448E-08	0.228442	hyper	sig	chr13_20394890
chr7	1156677	1156677	+	2.04E-09	1.4492E-08	-0.24806	hypo	sig	chr7_1156677
chr6	28810519	28810519	+	2.041E-09	1.4498E-08	0.249791	hyper	sig	chr6_28810519
chr16	1104922	1104922	+	2.044E-09	1.4519E-08	-0.26508	hypo	sig	chr16_1104922
chr1	2.18E+08	218346817	+	2.045E-09	1.4524E-08	0.201108	hyper	sig	chr1_218346817
chr10	1.32E+08	132295167	+	2.046E-09	1.4533E-08	-0.22197	hypo	sig	chr10_132295167
chr2	96636963	96636963	+	2.047E-09	1.4539E-08	0.202088	hyper	sig	chr2_96636963
chr7	119025	119025	+	2.048E-09	1.4543E-08	-0.23852	hypo	sig	chr7_119025
chr5	1875791	1875791	+	2.048E-09	1.4543E-08	0.253897	hyper	sig	chr5_1875791
chr17	81031524	81031524	+	2.05E-09	1.4557E-08	-0.2093	hypo	sig	chr17_81031524
chr11	85934743	85934743	+	2.051E-09	1.4569E-08	0.266771	hyper	sig	chr11_85934743
chr4	1.74E+08	173510813	+	2.056E-09	1.4598E-08	-0.22174	hypo	sig	chr4_173510813

chr8	41308634	41308634	+	2.058E-09	1.4611E-08	0.254733	hyper	sig	chr8_41308634
chr4	1.13E+08	112521553	+	2.059E-09	1.4622E-08	0.225776	hyper	sig	chr4_112521553
chr20	63481651	63481651	+	2.059E-09	1.4623E-08	-0.24333	hypo	sig	chr20_63481651
chr5	1.81E+08	180620190	+	2.06E-09	1.4628E-08	-0.22473	hypo	sig	chr5_180620190
chr6	27515309	27515309	+	2.061E-09	1.4634E-08	0.246935	hyper	sig	chr6_27515309
chr17	65538195	65538195	+	2.063E-09	1.4648E-08	-0.20541	hypo	sig	chr17_65538195
chr2	96832658	96832658	+	2.063E-09	1.4648E-08	0.2192	hyper	sig	chr2_96832658
chr15	92734137	92734137	+	2.066E-09	1.4666E-08	0.252149	hyper	sig	chr15_92734137
chr6	31766324	31766324	+	2.067E-09	1.4674E-08	0.208029	hyper	sig	chr6_31766324
chr2	97014202	97014202	+	2.067E-09	1.4676E-08	-0.28724	hypo	sig	chr2_97014202
chr20	35599063	35599063	+	2.073E-09	1.4714E-08	-0.22117	hypo	sig	chr20_35599063
chr1	10655828	10655828	+	2.073E-09	1.4718E-08	0.21634	hyper	sig	chr1_10655828
chr8	37965441	37965441	+	2.076E-09	1.4738E-08	0.201425	hyper	sig	chr8_37965441
chr10	1.17E+08	117133646	+	2.08E-09	1.4761E-08	0.22078	hyper	sig	chr10_117133646
chr15	37095394	37095394	+	2.08E-09	1.4764E-08	0.277146	hyper	sig	chr15_37095394
chr17	78121606	78121606	+	2.081E-09	1.4768E-08	-0.21041	hypo	sig	chr17_78121606
chr8	27611764	27611764	+	2.082E-09	1.4778E-08	-0.20444	hypo	sig	chr8_27611764
chr10	7407743	7407743	+	2.085E-09	1.4794E-08	0.21076	hyper	sig	chr10_7407743
chr3	1.47E+08	147398226	+	2.087E-09	1.4812E-08	0.250149	hyper	sig	chr3_147398226
chr7	4804116	4804116	+	2.088E-09	1.4819E-08	-0.21196	hypo	sig	chr7_4804116
chr2	1.3E+08	129587581	+	2.091E-09	1.484E-08	0.20575	hyper	sig	chr2_129587581
chr19	5915026	5915026	+	2.094E-09	1.4857E-08	0.233265	hyper	sig	chr19_5915026
chr20	62214063	62214063	+	2.096E-09	1.487E-08	-0.27373	hypo	sig	chr20_62214063
chr2	1.13E+08	113291309	+	2.097E-09	1.4877E-08	0.228603	hyper	sig	chr2_113291309
chr1	84691500	84691500	+	2.097E-09	1.488E-08	-0.21597	hypo	sig	chr1_84691500
chr19	18870634	18870634	+	2.098E-09	1.4886E-08	0.283625	hyper	sig	chr19_18870634
chr17	4476356	4476356	+	2.1E-09	1.4896E-08	-0.21834	hypo	sig	chr17_4476356
chr4	73998879	73998879	+	2.102E-09	1.4915E-08	0.218236	hyper	sig	chr4_73998879
chr12	1644990	1644990	+	2.103E-09	1.4921E-08	0.233243	hyper	sig	chr12_1644990
chr22	45004877	45004877	+	2.104E-09	1.4927E-08	-0.21611	hypo	sig	chr22_45004877
chr1	1698061	1698061	+	2.104E-09	1.4927E-08	-0.21365	hypo	sig	chr1_1698061
chr1	40133075	40133075	+	2.108E-09	1.495E-08	0.230217	hyper	sig	chr1_40133075
chr11	69252041	69252041	+	2.11E-09	1.4965E-08	-0.20361	hypo	sig	chr11_69252041
chr7	54665644	54665644	+	2.11E-09	1.4967E-08	-0.27273	hypo	sig	chr7_54665644
chr13	1.12E+08	111919974	+	2.111E-09	1.4972E-08	-0.28853	hypo	sig	chr13_111919974
chr21	46456082	46456082	+	2.112E-09	1.4979E-08	0.206973	hyper	sig	chr21_46456082
chr5	1.79E+08	179349148	+	2.112E-09	1.498E-08	-0.25781	hypo	sig	chr5_179349148
chr17	4969105	4969105	+	2.113E-09	1.4982E-08	0.241642	hyper	sig	chr17_4969105
chr1	2.08E+08	207669168	+	2.115E-09	1.4998E-08	0.23601	hyper	sig	chr1_207669168
chr22	42719931	42719931	+	2.119E-09	1.5027E-08	0.226119	hyper	sig	chr22_42719931
chr19	1624653	1624653	+	2.12E-09	1.5031E-08	0.254476	hyper	sig	chr19_1624653
chr22	30267039	30267039	+	2.12E-09	1.5033E-08	-0.2093	hypo	sig	chr22_30267039
chr8	19602513	19602513	+	2.12E-09	1.5036E-08	0.224828	hyper	sig	chr8_19602513
chr2	86338990	86338990	+	2.121E-09	1.5039E-08	-0.20602	hypo	sig	chr2_86338990
chr19	46303950	46303950	+	2.121E-09	1.5039E-08	-0.2619	hypo	sig	chr19_46303950
chr4	1722722	1722722	+	2.123E-09	1.5056E-08	-0.21888	hypo	sig	chr4_1722722
chr19	480270	480270	+	2.125E-09	1.5065E-08	0.227438	hyper	sig	chr19_480270
chr2	662585	662585	+	2.126E-09	1.5076E-08	-0.21224	hypo	sig	chr2_662585
chr5	88659956	88659956	+	2.127E-09	1.5081E-08	0.219734	hyper	sig	chr5_88659956
chr11	1.23E+08	122977356	+	2.128E-09	1.5085E-08	0.202524	hyper	sig	chr11_122977356
chr12	1.3E+08	130339532	+	2.128E-09	1.5088E-08	0.201901	hyper	sig	chr12_130339532
chr20	56004816	56004816	+	2.132E-09	1.5117E-08	0.26584	hyper	sig	chr20_56004816
chr2	2.37E+08	237073673	+	2.135E-09	1.5135E-08	-0.20709	hypo	sig	chr2_237073673
chr13	1.13E+08	112843548	+	2.137E-09	1.5151E-08	0.209699	hyper	sig	chr13_112843548
chr1	2.27E+08	226637785	+	2.14E-09	1.517E-08	0.225736	hyper	sig	chr1_226637785
chr1	1.15E+08	115338423	+	2.141E-09	1.5178E-08	0.220304	hyper	sig	chr1_115338423

chr6	30685735	30685735	+	2.142E-09	1.5182E-08	0.20815	hyper	sig	chr6_30685735
chr7	2526877	2526877	+	2.144E-09	1.5193E-08	-0.23743	hypo	sig	chr7_2526877
chr16	31569701	31569701	+	2.144E-09	1.5199E-08	0.224208	hyper	sig	chr16_31569701
chr8	1.44E+08	144336091	+	2.147E-09	1.5217E-08	0.244583	hyper	sig	chr8_144336091
chr12	49334321	49334321	+	2.148E-09	1.5221E-08	0.273072	hyper	sig	chr12_49334321
chr1	1.51E+08	150538212	+	2.149E-09	1.5231E-08	0.230666	hyper	sig	chr1_150538212
chr5	93588385	93588385	+	2.151E-09	1.5241E-08	0.226712	hyper	sig	chr5_93588385
chr19	50419302	50419302	+	2.152E-09	1.5252E-08	0.250158	hyper	sig	chr19_50419302
chr7	1.51E+08	151174936	+	2.154E-09	1.5261E-08	0.252733	hyper	sig	chr7_151174936
chr1	2.36E+08	235642130	+	2.154E-09	1.5262E-08	-0.30758	hypo	sig	chr1_235642130
chr12	49549324	49549324	+	2.16E-09	1.5305E-08	0.202664	hyper	sig	chr12_49549324
chr6	1.68E+08	168389013	+	2.161E-09	1.5311E-08	-0.20321	hypo	sig	chr6_168389013
chr7	1.28E+08	127582576	+	2.164E-09	1.5329E-08	0.234447	hyper	sig	chr7_127582576
chr7	1922536	1922536	+	2.165E-09	1.5336E-08	-0.23116	hypo	sig	chr7_1922536
chr9	1.35E+08	135358436	+	2.165E-09	1.5339E-08	0.259579	hyper	sig	chr9_135358436
chr19	49043777	49043777	+	2.166E-09	1.5342E-08	-0.20127	hypo	sig	chr19_49043777
chr8	19245253	19245253	+	2.166E-09	1.5343E-08	-0.22463	hypo	sig	chr8_19245253
chr16	63617652	63617652	+	2.169E-09	1.5367E-08	0.202778	hyper	sig	chr16_63617652
chr15	89379718	89379718	+	2.17E-09	1.5371E-08	-0.2045	hypo	sig	chr15_89379718
chr7	73886580	73886580	+	2.172E-09	1.5388E-08	0.244952	hyper	sig	chr7_73886580
chr16	920818	920818	+	2.173E-09	1.539E-08	0.277724	hyper	sig	chr16_920818
chr16	88203177	88203177	+	2.173E-09	1.5395E-08	-0.26819	hypo	sig	chr16_88203177
chr9	1.28E+08	127762600	+	2.175E-09	1.5407E-08	-0.25627	hypo	sig	chr9_127762600
chr7	1.5E+08	150372795	+	2.176E-09	1.5412E-08	-0.20227	hypo	sig	chr7_150372795
chr19	3507786	3507786	+	2.177E-09	1.5418E-08	0.283646	hyper	sig	chr19_3507786
chr11	65607778	65607778	+	2.181E-09	1.5444E-08	0.206527	hyper	sig	chr11_65607778
chr1	2426197	2426197	+	2.181E-09	1.5445E-08	-0.20103	hypo	sig	chr1_2426197
chr19	4559818	4559818	+	2.182E-09	1.5456E-08	-0.22803	hypo	sig	chr19_4559818
chr19	55064469	55064469	+	2.184E-09	1.5465E-08	0.201013	hyper	sig	chr19_55064469
chr17	72116728	72116728	+	2.184E-09	1.5467E-08	0.262992	hyper	sig	chr17_72116728
chr19	49210699	49210699	+	2.184E-09	1.5468E-08	0.277112	hyper	sig	chr19_49210699
chr12	1.14E+08	114403162	+	2.188E-09	1.5491E-08	0.20658	hyper	sig	chr12_114403162
chr15	96776611	96776611	+	2.19E-09	1.5505E-08	-0.20985	hypo	sig	chr15_96776611
chr5	502049	502049	+	2.19E-09	1.5509E-08	0.217156	hyper	sig	chr5_502049
chr19	6713513	6713513	+	2.192E-09	1.5521E-08	-0.23295	hypo	sig	chr19_6713513
chr5	1854819	1854819	+	2.193E-09	1.5525E-08	-0.20126	hypo	sig	chr5_1854819
chr12	65121550	65121550	+	2.193E-09	1.553E-08	0.287138	hyper	sig	chr12_65121550
chr11	1.23E+08	122976787	+	2.196E-09	1.5548E-08	0.275627	hyper	sig	chr11_122976787
chr6	1558573	1558573	+	2.197E-09	1.5557E-08	-0.22594	hypo	sig	chr6_1558573
chr20	845051	845051	+	2.198E-09	1.5564E-08	0.223559	hyper	sig	chr20_845051
chr11	1025990	1025990	+	2.205E-09	1.5607E-08	-0.2297	hypo	sig	chr11_1025990
chr12	1.09E+08	109110961	+	2.205E-09	1.561E-08	0.227754	hyper	sig	chr12_109110961
chr4	1.83E+08	182800429	+	2.206E-09	1.5616E-08	-0.21397	hypo	sig	chr4_182800429
chr2	96762061	96762061	+	2.21E-09	1.5645E-08	-0.21972	hypo	sig	chr2_96762061
chr5	1.81E+08	180739443	+	2.211E-09	1.5651E-08	-0.24335	hypo	sig	chr5_180739443
chr5	1.41E+08	141101996	+	2.212E-09	1.5655E-08	0.201611	hyper	sig	chr5_141101996
chr16	68360786	68360786	+	2.215E-09	1.5677E-08	-0.21136	hypo	sig	chr16_68360786
chr2	3059330	3059330	+	2.22E-09	1.5713E-08	-0.22949	hypo	sig	chr2_3059330
chr5	51378109	51378109	+	2.221E-09	1.5718E-08	0.200559	hyper	sig	chr5_51378109
chr16	87654868	87654868	+	2.222E-09	1.5725E-08	-0.21054	hypo	sig	chr16_87654868
chr3	28200504	28200504	+	2.228E-09	1.5766E-08	0.202974	hyper	sig	chr3_28200504
chr6	90947359	90947359	+	2.231E-09	1.5787E-08	-0.20385	hypo	sig	chr6_90947359
chr19	18233512	18233512	+	2.231E-09	1.5788E-08	0.234863	hyper	sig	chr19_18233512
chr2	1.72E+08	172080968	+	2.233E-09	1.5798E-08	0.315242	hyper	sig	chr2_172080968
chr9	1.23E+08	123407054	+	2.235E-09	1.5815E-08	0.229374	hyper	sig	chr9_123407054
chr17	78891814	78891814	+	2.236E-09	1.582E-08	-0.20489	hypo	sig	chr17_78891814

chr19	18650803	18650803	+	2.24E-09	1.5847E-08	0.259171	hyper	sig	chr19_18650803
chr16	14989709	14989709	+	2.24E-09	1.5848E-08	0.224049	hyper	sig	chr16_14989709
chr9	96219179	96219179	+	2.24E-09	1.5848E-08	-0.23611	hypo	sig	chr9_96219179
chr16	75221762	75221762	+	2.242E-09	1.586E-08	-0.33309	hypo	sig	chr16_75221762
chr12	1.32E+08	132443647	+	2.242E-09	1.5861E-08	-0.21817	hypo	sig	chr12_132443647
chr8	2064379	2064379	+	2.243E-09	1.5871E-08	-0.26931	hypo	sig	chr8_2064379
chr6	10389811	10389811	+	2.244E-09	1.5874E-08	0.215383	hyper	sig	chr6_10389811
chr12	55935862	55935862	+	2.244E-09	1.5874E-08	0.221206	hyper	sig	chr12_55935862
chr2	55923931	55923931	+	2.244E-09	1.5877E-08	0.219816	hyper	sig	chr2_55923931
chr5	1446073	1446073	+	2.246E-09	1.5888E-08	0.234655	hyper	sig	chr5_1446073
chr19	3821205	3821205	+	2.248E-09	1.5898E-08	-0.29022	hypo	sig	chr19_3821205
chr5	1.75E+08	174733360	+	2.248E-09	1.5902E-08	0.201538	hyper	sig	chr5_174733360
chr14	64541979	64541979	+	2.249E-09	1.5905E-08	0.207564	hyper	sig	chr14_64541979
chr14	22848282	22848282	+	2.249E-09	1.5907E-08	0.219871	hyper	sig	chr14_22848282
chr16	49278057	49278057	+	2.249E-09	1.5908E-08	0.210701	hyper	sig	chr16_49278057
chr22	20425265	20425265	+	2.249E-09	1.5908E-08	0.275266	hyper	sig	chr22_20425265
chr11	20605554	20605554	+	2.25E-09	1.5916E-08	0.250794	hyper	sig	chr11_20605554
chr2	1.61E+08	161417483	+	2.25E-09	1.5917E-08	0.209639	hyper	sig	chr2_161417483
chr5	1.71E+08	171310377	+	2.251E-09	1.5917E-08	0.208129	hyper	sig	chr5_171310377
chr19	1009267	1009267	+	2.251E-09	1.5919E-08	0.373134	hyper	sig	chr19_1009267
chr3	1.94E+08	194297132	+	2.252E-09	1.5928E-08	-0.24339	hypo	sig	chr3_194297132
chr19	937504	937504	+	2.253E-09	1.5936E-08	-0.20763	hypo	sig	chr19_937504
chr1	3011930	3011930	+	2.254E-09	1.5937E-08	0.21354	hyper	sig	chr1_3011930
chr17	77421080	77421080	+	2.259E-09	1.5978E-08	0.209538	hyper	sig	chr17_77421080
chr19	49862502	49862502	+	2.26E-09	1.5981E-08	0.257762	hyper	sig	chr19_49862502
chr10	1.32E+08	131980245	+	2.261E-09	1.5986E-08	0.214362	hyper	sig	chr10_131980245
chr16	2960409	2960409	+	2.263E-09	1.5998E-08	-0.23219	hypo	sig	chr16_2960409
chr6	43276554	43276554	+	2.263E-09	1.6002E-08	-0.24008	hypo	sig	chr6_43276554
chr7	1383283	1383283	+	2.264E-09	1.6008E-08	-0.22674	hypo	sig	chr7_1383283
chr19	1009179	1009179	+	2.264E-09	1.6008E-08	0.222494	hyper	sig	chr19_1009179
chr19	8698404	8698404	+	2.264E-09	1.6008E-08	0.241461	hyper	sig	chr19_8698404
chr12	1.32E+08	132340083	+	2.266E-09	1.6022E-08	0.303047	hyper	sig	chr12_132340083
chr1	1.51E+08	151131754	+	2.267E-09	1.6026E-08	0.24213	hyper	sig	chr1_151131754
chr1	2243546	2243546	+	2.268E-09	1.6032E-08	0.217094	hyper	sig	chr1_2243546
chr16	85982815	85982815	+	2.269E-09	1.6042E-08	-0.22274	hypo	sig	chr16_85982815
chr17	2709218	2709218	+	2.269E-09	1.6042E-08	-0.26254	hypo	sig	chr17_2709218
chr15	90868608	90868608	+	2.27E-09	1.6048E-08	-0.20375	hypo	sig	chr15_90868608
chr1	69568528	69568528	+	2.271E-09	1.6052E-08	0.247483	hyper	sig	chr1_69568528
chr1	44407981	44407981	+	2.272E-09	1.6062E-08	0.200567	hyper	sig	chr1_44407981
chr17	44558627	44558627	+	2.273E-09	1.6067E-08	0.208324	hyper	sig	chr17_44558627
chr8	1.2E+08	120125527	+	2.275E-09	1.6081E-08	0.207654	hyper	sig	chr8_120125527
chr4	7524912	7524912	+	2.275E-09	1.6083E-08	-0.20582	hypo	sig	chr4_7524912
chr2	63057640	63057640	+	2.276E-09	1.6091E-08	0.23605	hyper	sig	chr2_63057640
chr11	8719159	8719159	+	2.279E-09	1.6106E-08	0.237197	hyper	sig	chr11_8719159
chr15	33311768	33311768	+	2.28E-09	1.6114E-08	0.230868	hyper	sig	chr15_33311768
chr11	64630519	64630519	+	2.28E-09	1.6118E-08	0.223418	hyper	sig	chr11_64630519
chr19	17821449	17821449	+	2.282E-09	1.613E-08	0.211273	hyper	sig	chr19_17821449
chr12	34294922	34294922	+	2.283E-09	1.6136E-08	-0.20328	hypo	sig	chr12_34294922
chr10	1.33E+08	132586600	+	2.284E-09	1.6143E-08	0.214375	hyper	sig	chr10_132586600
chr3	39502281	39502281	+	2.286E-09	1.6156E-08	0.248851	hyper	sig	chr3_39502281
chr7	1.3E+08	130493249	+	2.286E-09	1.6156E-08	0.203349	hyper	sig	chr7_130493249
chr3	1.26E+08	126267873	+	2.287E-09	1.6163E-08	0.243809	hyper	sig	chr3_126267873
chr17	44761271	44761271	+	2.288E-09	1.6169E-08	-0.27698	hypo	sig	chr17_44761271
chr19	1482638	1482638	+	2.289E-09	1.6173E-08	-0.21541	hypo	sig	chr19_1482638
chr6	1.7E+08	170046279	+	2.29E-09	1.6185E-08	0.217385	hyper	sig	chr6_170046279
chr2	1.05E+08	104842706	+	2.291E-09	1.6188E-08	0.284035	hyper	sig	chr2_104842706

chr9	1.27E+08	127122805	+	2.293E-09	1.6203E-08	0.322826	hyper	sig	chr9_127122805
chr5	1883504	1883504	+	2.296E-09	1.6221E-08	0.239273	hyper	sig	chr5_1883504
chr6	1.17E+08	117265362	+	2.296E-09	1.6225E-08	0.203545	hyper	sig	chr6_117265362
chr2	96116236	96116236	+	2.298E-09	1.6236E-08	0.246486	hyper	sig	chr2_96116236
chr7	1.12E+08	111728741	+	2.298E-09	1.6238E-08	-0.31373	hypo	sig	chr7_111728741
chr11	1.3E+08	130429055	+	2.298E-09	1.6239E-08	0.228235	hyper	sig	chr11_130429055
chr5	73299929	73299929	+	2.298E-09	1.6239E-08	0.208571	hyper	sig	chr5_73299929
chr19	56476974	56476974	+	2.299E-09	1.6246E-08	0.229041	hyper	sig	chr19_56476974
chr4	8441980	8441980	+	2.301E-09	1.6259E-08	-0.24579	hypo	sig	chr4_8441980
chr8	866998	866998	+	2.306E-09	1.6288E-08	-0.21781	hypo	sig	chr8_866998
chr9	1.37E+08	137480104	+	2.306E-09	1.6293E-08	-0.24102	hypo	sig	chr9_137480104
chr17	4900888	4900888	+	2.307E-09	1.6296E-08	0.266715	hyper	sig	chr17_4900888
chr19	55452674	55452674	+	2.307E-09	1.6296E-08	0.31061	hyper	sig	chr19_55452674
chr11	1.3E+08	129574606	+	2.308E-09	1.6304E-08	-0.24043	hypo	sig	chr11_129574606
chr2	1.76E+08	176150485	+	2.308E-09	1.6306E-08	-0.23517	hypo	sig	chr2_176150485
chr7	5238742	5238742	+	2.309E-09	1.6312E-08	-0.20433	hypo	sig	chr7_5238742
chr11	72677220	72677220	+	2.309E-09	1.6313E-08	0.235968	hyper	sig	chr11_72677220
chr16	81698069	81698069	+	2.311E-09	1.6322E-08	0.247518	hyper	sig	chr16_81698069
chr8	11759262	11759262	+	2.311E-09	1.6326E-08	-0.23374	hypo	sig	chr8_11759262
chr13	50127437	50127437	+	2.314E-09	1.6342E-08	0.263141	hyper	sig	chr13_50127437
chr16	2083478	2083478	+	2.314E-09	1.6342E-08	0.243953	hyper	sig	chr16_2083478
chr16	1354865	1354865	+	2.315E-09	1.6351E-08	-0.20062	hypo	sig	chr16_1354865
chr19	1424846	1424846	+	2.315E-09	1.6352E-08	-0.23574	hypo	sig	chr19_1424846
chr16	2083338	2083338	+	2.315E-09	1.6353E-08	0.231728	hyper	sig	chr16_2083338
chr18	23231920	23231920	+	2.316E-09	1.6354E-08	-0.232	hypo	sig	chr18_23231920
chr4	1.39E+08	139011502	+	2.318E-09	1.637E-08	-0.29617	hypo	sig	chr4_139011502
chr2	2.19E+08	218859046	+	2.32E-09	1.6384E-08	0.209117	hyper	sig	chr2_218859046
chr9	1.37E+08	136788915	+	2.321E-09	1.639E-08	-0.25076	hypo	sig	chr9_136788915
chr1	1.96E+08	195721913	+	2.322E-09	1.6399E-08	-0.20537	hypo	sig	chr1_195721913
chr8	85438161	85438161	+	2.324E-09	1.6412E-08	0.231562	hyper	sig	chr8_85438161
chr18	79436302	79436302	+	2.326E-09	1.6422E-08	-0.20733	hypo	sig	chr18_79436302
chr2	10162331	10162331	+	2.33E-09	1.6453E-08	-0.2012	hypo	sig	chr2_10162331
chr17	75588027	75588027	+	2.331E-09	1.6456E-08	0.204269	hyper	sig	chr17_75588027
chr20	63775152	63775152	+	2.331E-09	1.6458E-08	0.210818	hyper	sig	chr20_63775152
chr11	1401089	1401089	+	2.331E-09	1.6461E-08	-0.23215	hypo	sig	chr11_1401089
chr1	2.28E+08	227925359	+	2.332E-09	1.6467E-08	-0.21708	hypo	sig	chr1_227925359
chr10	1465664	1465664	+	2.335E-09	1.6483E-08	-0.20938	hypo	sig	chr10_1465664
chr16	29664525	29664525	+	2.335E-09	1.6485E-08	-0.22456	hypo	sig	chr16_29664525
chr12	10039194	10039194	+	2.336E-09	1.6489E-08	-0.27373	hypo	sig	chr12_10039194
chr1	35577781	35577781	+	2.337E-09	1.6495E-08	0.243559	hyper	sig	chr1_35577781
chr1	2.26E+08	225889877	+	2.337E-09	1.6497E-08	-0.27026	hypo	sig	chr1_225889877
chr5	1.41E+08	141236807	+	2.338E-09	1.6504E-08	0.204421	hyper	sig	chr5_141236807
chr17	803875	803875	+	2.338E-09	1.6507E-08	-0.21288	hypo	sig	chr17_803875
chr10	79394383	79394383	+	2.342E-09	1.653E-08	-0.21426	hypo	sig	chr10_79394383
chr1	3701372	3701372	+	2.345E-09	1.655E-08	-0.20094	hypo	sig	chr1_3701372
chr1	2242180	2242180	+	2.345E-09	1.6554E-08	0.212359	hyper	sig	chr1_2242180
chr11	1.23E+08	122981605	+	2.347E-09	1.6566E-08	0.224322	hyper	sig	chr11_122981605
chr8	43550655	43550655	+	2.348E-09	1.657E-08	-0.23037	hypo	sig	chr8_43550655
chr21	45618975	45618975	+	2.348E-09	1.6575E-08	-0.233	hypo	sig	chr21_45618975
chr2	98088345	98088345	+	2.348E-09	1.6575E-08	-0.20971	hypo	sig	chr2_98088345
chr16	1543470	1543470	+	2.35E-09	1.6586E-08	-0.27077	hypo	sig	chr16_1543470
chr1	1.55E+08	155062044	+	2.35E-09	1.6589E-08	0.216872	hyper	sig	chr1_155062044
chr17	79048248	79048248	+	2.354E-09	1.6617E-08	-0.2469	hypo	sig	chr17_79048248
chr1	2.11E+08	211478901	+	2.358E-09	1.664E-08	0.340657	hyper	sig	chr1_211478901
chr5	891274	891274	+	2.359E-09	1.6645E-08	-0.22577	hypo	sig	chr5_891274
chr22	42338604	42338604	+	2.359E-09	1.6651E-08	-0.20271	hypo	sig	chr22_42338604

chr5	1.77E+08	177095595	+	2.36E-09	1.6653E-08	0.209695	hyper	sig	chr5_177095595
chr16	31224401	31224401	+	2.361E-09	1.6659E-08	0.230531	hyper	sig	chr16_31224401
chr1	16759365	16759365	+	2.362E-09	1.6669E-08	0.216545	hyper	sig	chr1_16759365
chr16	8720877	8720877	+	2.363E-09	1.6676E-08	0.230387	hyper	sig	chr16_8720877
chr12	1.14E+08	114480923	+	2.363E-09	1.6677E-08	0.217665	hyper	sig	chr12_114480923
chr17	49035724	49035724	+	2.364E-09	1.6683E-08	-0.20627	hypo	sig	chr17_49035724
chr14	65103590	65103590	+	2.366E-09	1.6692E-08	-0.21621	hypo	sig	chr14_65103590
chr10	1.16E+08	116271380	+	2.367E-09	1.6702E-08	0.235601	hyper	sig	chr10_116271380
chr12	53973481	53973481	+	2.368E-09	1.6709E-08	0.248784	hyper	sig	chr12_53973481
chr2	88451850	88451850	+	2.369E-09	1.6712E-08	0.214048	hyper	sig	chr2_88451850
chr8	1.44E+08	144047147	+	2.37E-09	1.6723E-08	-0.21003	hypo	sig	chr8_144047147
chr9	1.37E+08	136578452	+	2.372E-09	1.6734E-08	-0.31259	hypo	sig	chr9_136578452
chr7	1.4E+08	139523310	+	2.375E-09	1.6756E-08	0.214605	hyper	sig	chr7_139523310
chr2	15768946	15768946	+	2.376E-09	1.676E-08	-0.26841	hypo	sig	chr2_15768946
chr16	22162767	22162767	+	2.376E-09	1.6762E-08	0.243669	hyper	sig	chr16_22162767
chr14	1.04E+08	104088419	+	2.376E-09	1.6763E-08	-0.22307	hypo	sig	chr14_104088419
chr15	92393146	92393146	+	2.376E-09	1.6764E-08	0.265235	hyper	sig	chr15_92393146
chr7	6273486	6273486	+	2.379E-09	1.678E-08	-0.20471	hypo	sig	chr7_6273486
chr3	1.85E+08	184769945	+	2.38E-09	1.6791E-08	-0.21639	hypo	sig	chr3_184769945
chr2	65054895	65054895	+	2.382E-09	1.68E-08	-0.21316	hypo	sig	chr2_65054895
chr15	23686593	23686593	+	2.383E-09	1.6806E-08	0.263943	hyper	sig	chr15_23686593
chr20	62978177	62978177	+	2.383E-09	1.681E-08	-0.22957	hypo	sig	chr20_62978177
chr5	1.41E+08	140870186	+	2.385E-09	1.6823E-08	0.250212	hyper	sig	chr5_140870186
chr15	99006277	99006277	+	2.385E-09	1.6823E-08	-0.22952	hypo	sig	chr15_99006277
chr2	1.32E+08	131830061	+	2.385E-09	1.6825E-08	0.238262	hyper	sig	chr2_131830061
chr11	67695312	67695312	+	2.386E-09	1.683E-08	-0.21141	hypo	sig	chr11_67695312
chr19	38386461	38386461	+	2.386E-09	1.683E-08	0.227673	hyper	sig	chr19_38386461
chr17	48551355	48551355	+	2.387E-09	1.6833E-08	0.235855	hyper	sig	chr17_48551355
chr1	2339005	2339005	+	2.387E-09	1.6835E-08	-0.28919	hypo	sig	chr1_2339005
chr5	1865449	1865449	+	2.387E-09	1.6837E-08	-0.22981	hypo	sig	chr5_1865449
chr1	2207857	2207857	+	2.388E-09	1.6845E-08	0.212473	hyper	sig	chr1_2207857
chr8	55102541	55102541	+	2.389E-09	1.6846E-08	0.217644	hyper	sig	chr8_55102541
chr11	92869327	92869327	+	2.391E-09	1.6862E-08	-0.22419	hypo	sig	chr11_92869327
chr16	49277622	49277622	+	2.391E-09	1.6862E-08	0.204661	hyper	sig	chr16_49277622
chr1	1.5E+08	149810856	+	2.392E-09	1.6872E-08	-0.20959	hypo	sig	chr1_149810856
chr1	54402969	54402969	+	2.395E-09	1.6887E-08	0.267543	hyper	sig	chr1_54402969
chr4	7244332	7244332	+	2.395E-09	1.6888E-08	0.246489	hyper	sig	chr4_7244332
chr11	281617	281617	+	2.395E-09	1.6889E-08	0.259444	hyper	sig	chr11_281617
chr1	4724562	4724562	+	2.396E-09	1.6894E-08	-0.26757	hypo	sig	chr1_4724562
chr1	2.3E+08	229570509	+	2.397E-09	1.69E-08	-0.24758	hypo	sig	chr1_229570509
chr8	26039898	26039898	+	2.398E-09	1.6906E-08	0.205045	hyper	sig	chr8_26039898
chr16	1992714	1992714	+	2.399E-09	1.6915E-08	0.225411	hyper	sig	chr16_1992714
chr19	3390127	3390127	+	2.4E-09	1.6919E-08	0.267839	hyper	sig	chr19_3390127
chr17	22217478	22217478	+	2.401E-09	1.6926E-08	0.219151	hyper	sig	chr17_22217478
chr17	77233654	77233654	+	2.401E-09	1.6932E-08	-0.20299	hypo	sig	chr17_77233654
chr17	45395069	45395069	+	2.402E-09	1.6935E-08	0.238478	hyper	sig	chr17_45395069
chr5	1.8E+08	179966883	+	2.403E-09	1.6945E-08	-0.23128	hypo	sig	chr5_179966883
chr6	32761824	32761824	+	2.404E-09	1.6947E-08	0.205535	hyper	sig	chr6_32761824
chr17	73284514	73284514	+	2.406E-09	1.6964E-08	0.207384	hyper	sig	chr17_73284514
chr6	1.1E+08	110356964	+	2.409E-09	1.698E-08	0.244309	hyper	sig	chr6_110356964
chr2	96762042	96762042	+	2.409E-09	1.6982E-08	-0.21741	hypo	sig	chr2_96762042
chr14	99215918	99215918	+	2.41E-09	1.6985E-08	0.221004	hyper	sig	chr14_99215918
chr1	1.48E+08	148309471	+	2.411E-09	1.6992E-08	0.208799	hyper	sig	chr1_148309471
chr2	2.42E+08	241804184	+	2.412E-09	1.6998E-08	0.208975	hyper	sig	chr2_241804184
chr9	1.37E+08	137480125	+	2.413E-09	1.7008E-08	-0.26247	hypo	sig	chr9_137480125
chr4	7772910	7772910	+	2.413E-09	1.7009E-08	0.245201	hyper	sig	chr4_7772910

chr19	1290619	1290619	+	2.414E-09	1.7014E-08	-0.24354	hypo	sig	chr19_1290619
chr4	1.9E+08	189642825	+	2.415E-09	1.7024E-08	-0.23376	hypo	sig	chr4_189642825
chr1	1.45E+08	145168704	+	2.417E-09	1.7034E-08	0.206482	hyper	sig	chr1_145168704
chr1	3471414	3471414	+	2.418E-09	1.7044E-08	-0.24002	hypo	sig	chr1_3471414
chr16	89608162	89608162	+	2.418E-09	1.7045E-08	-0.21033	hypo	sig	chr16_89608162
chr2	1.05E+08	104857972	+	2.426E-09	1.7095E-08	0.232153	hyper	sig	chr2_104857972
chr11	2416992	2416992	+	2.426E-09	1.7098E-08	-0.23159	hypo	sig	chr11_2416992
chr7	1.57E+08	157004774	+	2.429E-09	1.7119E-08	0.240709	hyper	sig	chr7_157004774
chr5	97579135	97579135	+	2.432E-09	1.7134E-08	-0.20867	hypo	sig	chr5_97579135
chr7	1.55E+08	154914112	+	2.432E-09	1.7134E-08	0.242997	hyper	sig	chr7_154914112
chr8	1874095	1874095	+	2.432E-09	1.7138E-08	-0.22508	hypo	sig	chr8_1874095
chr7	1.02E+08	102300785	+	2.434E-09	1.7152E-08	0.30082	hyper	sig	chr7_102300785
chr22	29581860	29581860	+	2.438E-09	1.7177E-08	-0.23453	hypo	sig	chr22_29581860
chr2	1.31E+08	131041235	+	2.439E-09	1.7181E-08	0.255827	hyper	sig	chr2_131041235
chr11	763456	763456	+	2.439E-09	1.7185E-08	-0.20519	hypo	sig	chr11_763456
chr5	1.8E+08	180350516	+	2.44E-09	1.7188E-08	-0.22428	hypo	sig	chr5_180350516
chr3	1.47E+08	147405690	+	2.44E-09	1.7192E-08	0.243678	hyper	sig	chr3_147405690
chr19	55648091	55648091	+	2.442E-09	1.7205E-08	0.216797	hyper	sig	chr19_55648091
chr14	95517013	95517013	+	2.443E-09	1.7209E-08	0.239876	hyper	sig	chr14_95517013
chr2	2.33E+08	233117297	+	2.443E-09	1.7212E-08	-0.222	hypo	sig	chr2_233117297
chr1	2.48E+08	247639337	+	2.444E-09	1.722E-08	0.233004	hyper	sig	chr1_247639337
chr13	1.13E+08	112973170	+	2.444E-09	1.722E-08	-0.22534	hypo	sig	chr13_112973170
chr10	1.33E+08	132571932	+	2.445E-09	1.7226E-08	-0.22216	hypo	sig	chr10_132571932
chr8	64379830	64379830	+	2.452E-09	1.727E-08	0.211886	hyper	sig	chr8_64379830
chr2	492747	492747	+	2.452E-09	1.7272E-08	-0.262	hypo	sig	chr2_492747
chr4	947046	947046	+	2.452E-09	1.7273E-08	0.214753	hyper	sig	chr4_947046
chr14	76349216	76349216	+	2.453E-09	1.7278E-08	-0.20533	hypo	sig	chr14_76349216
chr17	58282166	58282166	+	2.455E-09	1.7293E-08	-0.25535	hypo	sig	chr17_58282166
chr5	1466803	1466803	+	2.455E-09	1.7293E-08	-0.27964	hypo	sig	chr5_1466803
chr17	17392074	17392074	+	2.456E-09	1.7298E-08	-0.24595	hypo	sig	chr17_17392074
chr11	2869543	2869543	+	2.459E-09	1.7316E-08	0.234761	hyper	sig	chr11_2869543
chr3	1.58E+08	158102915	+	2.46E-09	1.7328E-08	0.235655	hyper	sig	chr3_158102915
chr17	77540935	77540935	+	2.461E-09	1.733E-08	-0.21052	hypo	sig	chr17_77540935
chr7	96997522	96997522	+	2.461E-09	1.733E-08	0.264867	hyper	sig	chr7_96997522
chr2	2.41E+08	241063611	+	2.462E-09	1.7336E-08	0.244527	hyper	sig	chr2_241063611
chr16	28880625	28880625	+	2.462E-09	1.7338E-08	0.23853	hyper	sig	chr16_28880625
chr21	45491644	45491644	+	2.463E-09	1.7347E-08	-0.24672	hypo	sig	chr21_45491644
chr2	1.49E+08	149320581	+	2.464E-09	1.7349E-08	0.229452	hyper	sig	chr2_149320581
chr2	2.24E+08	224441315	+	2.464E-09	1.7351E-08	-0.26864	hypo	sig	chr2_224441315
chr15	64844945	64844945	+	2.464E-09	1.7351E-08	0.225713	hyper	sig	chr15_64844945
chr19	46211592	46211592	+	2.468E-09	1.7379E-08	-0.20705	hypo	sig	chr19_46211592
chr11	4212244	4212244	+	2.469E-09	1.7381E-08	0.231668	hyper	sig	chr11_4212244
chr1	2313146	2313146	+	2.469E-09	1.7384E-08	0.234069	hyper	sig	chr1_2313146
chr11	281652	281652	+	2.471E-09	1.7396E-08	0.233897	hyper	sig	chr11_281652
chr9	1.37E+08	137279070	+	2.473E-09	1.7409E-08	0.214504	hyper	sig	chr9_137279070
chr19	6274197	6274197	+	2.474E-09	1.7418E-08	0.276007	hyper	sig	chr19_6274197
chr2	2.41E+08	240604532	+	2.476E-09	1.7432E-08	-0.20018	hypo	sig	chr2_240604532
chr1	3111793	3111793	+	2.478E-09	1.7443E-08	0.217548	hyper	sig	chr1_3111793
chr4	1.57E+08	157220715	+	2.479E-09	1.7448E-08	0.3668	hyper	sig	chr4_157220715
chr20	45105001	45105001	+	2.484E-09	1.7488E-08	-0.20123	hypo	sig	chr20_45105001
chr12	6142224	6142224	+	2.488E-09	1.7511E-08	-0.2323	hypo	sig	chr12_6142224
chr11	67506890	67506890	+	2.488E-09	1.7514E-08	-0.2087	hypo	sig	chr11_67506890
chr22	44729371	44729371	+	2.49E-09	1.7525E-08	0.208814	hyper	sig	chr22_44729371
chr8	66177703	66177703	+	2.491E-09	1.7535E-08	0.230294	hyper	sig	chr8_66177703
chr10	71806257	71806257	+	2.495E-09	1.756E-08	-0.21534	hypo	sig	chr10_71806257
chr10	1.33E+08	133123420	+	2.495E-09	1.756E-08	-0.21444	hypo	sig	chr10_133123420

chr18	12250819	12250819	+	2.495E-09	1.756E-08	-0.25875	hypo	sig	chr18_12250819
chr12	1.13E+08	113464534	+	2.495E-09	1.7562E-08	0.208513	hyper	sig	chr12_113464534
chr15	47184173	47184173	+	2.496E-09	1.7563E-08	0.210986	hyper	sig	chr15_47184173
chr17	5116401	5116401	+	2.497E-09	1.757E-08	0.261858	hyper	sig	chr17_5116401
chr5	1.41E+08	141399731	+	2.499E-09	1.7588E-08	0.204593	hyper	sig	chr5_141399731
chr13	1.14E+08	113979012	+	2.499E-09	1.7589E-08	-0.2409	hypo	sig	chr13_113979012
chr10	68561959	68561959	+	2.504E-09	1.7622E-08	0.232393	hyper	sig	chr10_68561959
chr8	1.44E+08	144336076	+	2.505E-09	1.7624E-08	0.26334	hyper	sig	chr8_144336076
chr6	1.26E+08	125759388	+	2.506E-09	1.7632E-08	-0.27068	hypo	sig	chr6_125759388
chr18	37247069	37247069	+	2.506E-09	1.7633E-08	-0.22778	hypo	sig	chr18_37247069
chr5	1.5E+08	150166465	+	2.51E-09	1.7659E-08	-0.20372	hypo	sig	chr5_150166465
chr6	73567250	73567250	+	2.511E-09	1.7666E-08	-0.21723	hypo	sig	chr6_73567250
chr11	1.23E+08	123431440	+	2.513E-09	1.768E-08	0.217104	hyper	sig	chr11_123431440
chr8	64802178	64802178	+	2.514E-09	1.7685E-08	-0.28222	hypo	sig	chr8_64802178
chr4	41359780	41359780	+	2.514E-09	1.7686E-08	-0.22577	hypo	sig	chr4_41359780
chr3	1.38E+08	138434060	+	2.515E-09	1.7693E-08	0.236999	hyper	sig	chr3_138434060
chr16	88509141	88509141	+	2.516E-09	1.7696E-08	-0.22011	hypo	sig	chr16_88509141
chr5	1.41E+08	141152477	+	2.517E-09	1.7704E-08	0.214433	hyper	sig	chr5_141152477
chr9	35036350	35036350	+	2.517E-09	1.7706E-08	0.240583	hyper	sig	chr9_35036350
chr1	2449855	2449855	+	2.519E-09	1.7721E-08	-0.23912	hypo	sig	chr1_2449855
chr1	1.65E+08	165355812	+	2.519E-09	1.7722E-08	0.226756	hyper	sig	chr1_165355812
chr5	42995535	42995535	+	2.521E-09	1.7731E-08	0.232517	hyper	sig	chr5_42995535
chr12	53973694	53973694	+	2.521E-09	1.7734E-08	0.215841	hyper	sig	chr12_53973694
chr13	1.12E+08	112125693	+	2.521E-09	1.7734E-08	-0.2495	hypo	sig	chr13_112125693
chr1	2.17E+08	217138651	+	2.522E-09	1.774E-08	0.226335	hyper	sig	chr1_217138651
chr13	70108300	70108300	+	2.522E-09	1.7741E-08	0.264502	hyper	sig	chr13_70108300
chr9	1.36E+08	136362018	+	2.524E-09	1.7753E-08	0.230908	hyper	sig	chr9_136362018
chr16	35553307	35553307	+	2.525E-09	1.7762E-08	0.272846	hyper	sig	chr16_35553307
chr7	1.55E+08	155071016	+	2.527E-09	1.7774E-08	0.252456	hyper	sig	chr7_155071016
chr17	48601736	48601736	+	2.527E-09	1.7776E-08	-0.21867	hypo	sig	chr17_48601736
chr2	2.2E+08	219852073	+	2.529E-09	1.7785E-08	0.226592	hyper	sig	chr2_219852073
chr19	52451407	52451407	+	2.529E-09	1.7788E-08	0.267519	hyper	sig	chr19_52451407
chr19	2772060	2772060	+	2.532E-09	1.7803E-08	0.223009	hyper	sig	chr19_2772060
chr2	1.13E+08	113291273	+	2.532E-09	1.7806E-08	0.2311	hyper	sig	chr2_113291273
chr10	1173267	1173267	+	2.532E-09	1.7808E-08	-0.22324	hypo	sig	chr10_1173267
chr1	11654197	11654197	+	2.533E-09	1.781E-08	0.216029	hyper	sig	chr1_11654197
chr20	63832737	63832737	+	2.533E-09	1.781E-08	-0.20998	hypo	sig	chr20_63832737
chr15	82648612	82648612	+	2.537E-09	1.7841E-08	0.233469	hyper	sig	chr15_82648612
chr3	75617768	75617768	+	2.548E-09	1.7914E-08	-0.20279	hypo	sig	chr3_75617768
chr11	61008724	61008724	+	2.548E-09	1.7915E-08	0.219205	hyper	sig	chr11_61008724
chr6	32074971	32074971	+	2.55E-09	1.793E-08	-0.23416	hypo	sig	chr6_32074971
chr8	64799157	64799157	+	2.557E-09	1.7971E-08	0.230771	hyper	sig	chr8_64799157
chr1	1.19E+08	118985015	+	2.557E-09	1.7971E-08	0.224351	hyper	sig	chr1_118985015
chr14	75980167	75980167	+	2.557E-09	1.7972E-08	0.292142	hyper	sig	chr14_75980167
chr4	3285986	3285986	+	2.559E-09	1.7984E-08	-0.21187	hypo	sig	chr4_3285986
chr8	1.43E+08	142700256	+	2.559E-09	1.7987E-08	0.230171	hyper	sig	chr8_142700256
chr2	94994291	94994291	+	2.561E-09	1.7999E-08	-0.26135	hypo	sig	chr2_94994291
chr11	17774974	17774974	+	2.565E-09	1.8028E-08	-0.20343	hypo	sig	chr11_17774974
chr11	1.29E+08	128686339	+	2.566E-09	1.8032E-08	0.232033	hyper	sig	chr11_128686339
chr8	1188020	1188020	+	2.567E-09	1.8037E-08	0.209904	hyper	sig	chr8_1188020
chr16	88497863	88497863	+	2.568E-09	1.8046E-08	0.218605	hyper	sig	chr16_88497863
chr14	1.06E+08	105502838	+	2.568E-09	1.8047E-08	-0.21333	hypo	sig	chr14_105502838
chr7	1321496	1321496	+	2.571E-09	1.8069E-08	0.211964	hyper	sig	chr7_1321496
chr9	96027802	96027802	+	2.572E-09	1.8077E-08	0.221711	hyper	sig	chr9_96027802
chr1	1.56E+08	156284362	+	2.574E-09	1.8087E-08	-0.2002	hypo	sig	chr1_156284362
chr7	1.51E+08	151013397	+	2.574E-09	1.8088E-08	0.204764	hyper	sig	chr7_151013397

chr16	88150712	88150712	+	2.576E-09	1.8099E-08	-0.21993	hypo	sig	chr16_88150712
chr17	48542217	48542217	+	2.576E-09	1.81E-08	0.226674	hyper	sig	chr17_48542217
chr3	10332795	10332795	+	2.576E-09	1.8103E-08	-0.2302	hypo	sig	chr3_10332795
chr2	11656957	11656957	+	2.579E-09	1.8118E-08	-0.27106	hypo	sig	chr2_11656957
chr11	1.31E+08	130805380	+	2.579E-09	1.8119E-08	-0.25349	hypo	sig	chr11_130805380
chr1	5710307	5710307	+	2.581E-09	1.8133E-08	-0.29186	hypo	sig	chr1_5710307
chr19	48966753	48966753	+	2.582E-09	1.8143E-08	-0.21427	hypo	sig	chr19_48966753
chr12	54014856	54014856	+	2.582E-09	1.8143E-08	0.226369	hyper	sig	chr12_54014856
chr5	1.41E+08	141370499	+	2.584E-09	1.8155E-08	0.296262	hyper	sig	chr5_141370499
chr4	4864781	4864781	+	2.587E-09	1.8173E-08	0.213032	hyper	sig	chr4_4864781
chr19	18233708	18233708	+	2.589E-09	1.8185E-08	0.25	hyper	sig	chr19_18233708
chr2	2.22E+08	222423612	+	2.589E-09	1.819E-08	-0.21197	hypo	sig	chr2_222423612
chr7	5382611	5382611	+	2.59E-09	1.8192E-08	0.26777	hyper	sig	chr7_5382611
chr13	27425019	27425019	+	2.594E-09	1.8221E-08	0.216285	hyper	sig	chr13_27425019
chr5	1.81E+08	180609446	+	2.594E-09	1.8222E-08	-0.20417	hypo	sig	chr5_180609446
chr2	1.24E+08	123686383	+	2.596E-09	1.8235E-08	-0.20295	hypo	sig	chr2_123686383
chr12	15221123	15221123	+	2.6E-09	1.8258E-08	0.215109	hyper	sig	chr12_15221123
chr3	1.28E+08	128485970	+	2.602E-09	1.8277E-08	0.277397	hyper	sig	chr3_128485970
chr8	1.42E+08	142122100	+	2.603E-09	1.8278E-08	0.229825	hyper	sig	chr8_142122100
chr5	73230941	73230941	+	2.605E-09	1.8296E-08	0.205736	hyper	sig	chr5_73230941
chr5	570493	570493	+	2.608E-09	1.8317E-08	-0.27997	hypo	sig	chr5_570493
chr6	10385240	10385240	+	2.608E-09	1.8317E-08	0.239575	hyper	sig	chr6_10385240
chr10	7424407	7424407	+	2.609E-09	1.8322E-08	-0.26355	hypo	sig	chr10_7424407
chr17	48541557	48541557	+	2.611E-09	1.8332E-08	0.304367	hyper	sig	chr17_48541557
chr1	10651622	10651622	+	2.611E-09	1.8336E-08	0.228318	hyper	sig	chr1_10651622
chr5	1.55E+08	154691758	+	2.613E-09	1.8348E-08	0.258894	hyper	sig	chr5_154691758
chr17	81251957	81251957	+	2.614E-09	1.8351E-08	-0.21109	hypo	sig	chr17_81251957
chr17	49965699	49965699	+	2.614E-09	1.8356E-08	0.232187	hyper	sig	chr17_49965699
chr10	1.33E+08	132784946	+	2.615E-09	1.8361E-08	0.247137	hyper	sig	chr10_132784946
chr21	42837123	42837123	+	2.615E-09	1.8361E-08	0.200669	hyper	sig	chr21_42837123
chr7	195393	195393	+	2.615E-09	1.8361E-08	0.211882	hyper	sig	chr7_195393
chr16	85445027	85445027	+	2.616E-09	1.8364E-08	-0.21599	hypo	sig	chr16_85445027
chr9	1.35E+08	134557517	+	2.621E-09	1.8398E-08	-0.28363	hypo	sig	chr9_134557517
chr12	49544288	49544288	+	2.626E-09	1.8432E-08	0.249963	hyper	sig	chr12_49544288
chr7	4137020	4137020	+	2.627E-09	1.8438E-08	-0.22072	hypo	sig	chr7_4137020
chr20	62377274	62377274	+	2.627E-09	1.844E-08	0.206871	hyper	sig	chr20_62377274
chr10	21510200	21510200	+	2.627E-09	1.8444E-08	0.211932	hyper	sig	chr10_21510200
chr3	62379299	62379299	+	2.628E-09	1.8448E-08	0.203186	hyper	sig	chr3_62379299
chr19	41331166	41331166	+	2.629E-09	1.8451E-08	-0.22751	hypo	sig	chr19_41331166
chr13	20946245	20946245	+	2.63E-09	1.8457E-08	0.210844	hyper	sig	chr13_20946245
chr12	57016481	57016481	+	2.63E-09	1.8459E-08	0.21184	hyper	sig	chr12_57016481
chr5	501887	501887	+	2.63E-09	1.846E-08	0.200033	hyper	sig	chr5_501887
chr7	1.4E+08	140435901	+	2.63E-09	1.846E-08	0.232643	hyper	sig	chr7_140435901
chr14	1.04E+08	104385432	+	2.632E-09	1.8474E-08	-0.27823	hypo	sig	chr14_104385432
chr5	1831201	1831201	+	2.632E-09	1.8476E-08	-0.21222	hypo	sig	chr5_1831201
chr10	1.01E+08	100737909	+	2.64E-09	1.8526E-08	0.21723	hyper	sig	chr10_100737909
chr22	37661543	37661543	+	2.641E-09	1.8532E-08	0.229981	hyper	sig	chr22_37661543
chr22	39318188	39318188	+	2.642E-09	1.8541E-08	-0.2341	hypo	sig	chr22_39318188
chr5	1.29E+08	128965808	+	2.643E-09	1.8544E-08	0.209124	hyper	sig	chr5_128965808
chr5	88689547	88689547	+	2.643E-09	1.8545E-08	0.277413	hyper	sig	chr5_88689547
chr10	21510068	21510068	+	2.644E-09	1.8551E-08	0.316618	hyper	sig	chr10_21510068
chr17	21397497	21397497	+	2.645E-09	1.8559E-08	0.247483	hyper	sig	chr17_21397497
chr12	50032994	50032994	+	2.646E-09	1.8568E-08	0.320509	hyper	sig	chr12_50032994
chr13	78594269	78594269	+	2.647E-09	1.8571E-08	0.225606	hyper	sig	chr13_78594269
chr8	30383603	30383603	+	2.647E-09	1.8573E-08	0.210029	hyper	sig	chr8_30383603
chr19	36033164	36033164	+	2.647E-09	1.8575E-08	0.276217	hyper	sig	chr19_36033164

chr1	2.26E+08	225941017	+	2.648E-09	1.858E-08	0.200922	hyper	sig	chr1_225941017
chr16	1230666	1230666	+	2.649E-09	1.8588E-08	-0.24187	hypo	sig	chr16_1230666
chr19	1526563	1526563	+	2.65E-09	1.8595E-08	-0.21035	hypo	sig	chr19_1526563
chr22	21632653	21632653	+	2.651E-09	1.86E-08	-0.25464	hypo	sig	chr22_21632653
chr5	66504295	66504295	+	2.652E-09	1.8606E-08	-0.24564	hypo	sig	chr5_66504295
chr9	98708050	98708050	+	2.653E-09	1.861E-08	0.277223	hyper	sig	chr9_98708050
chr17	19387190	19387190	+	2.653E-09	1.8612E-08	0.232167	hyper	sig	chr17_19387190
chr2	1.3E+08	130229692	+	2.654E-09	1.8622E-08	-0.24891	hypo	sig	chr2_130229692
chr3	62377401	62377401	+	2.655E-09	1.8624E-08	0.215686	hyper	sig	chr3_62377401
chr5	1.41E+08	141419538	+	2.658E-09	1.8642E-08	0.240199	hyper	sig	chr5_141419538
chr3	55484421	55484421	+	2.659E-09	1.8648E-08	-0.22703	hypo	sig	chr3_55484421
chr11	2521562	2521562	+	2.659E-09	1.8649E-08	-0.20741	hypo	sig	chr11_2521562
chr1	2.28E+08	228417376	+	2.659E-09	1.8652E-08	0.225494	hyper	sig	chr1_228417376
chr14	69850308	69850308	+	2.66E-09	1.8656E-08	-0.27135	hypo	sig	chr14_69850308
chr3	40615704	40615704	+	2.661E-09	1.8663E-08	0.214515	hyper	sig	chr3_40615704
chr12	1.32E+08	132341560	+	2.661E-09	1.8664E-08	-0.22149	hypo	sig	chr12_132341560
chr11	46380155	46380155	+	2.663E-09	1.8676E-08	0.223192	hyper	sig	chr11_46380155
chr16	30023166	30023166	+	2.664E-09	1.8684E-08	-0.20947	hypo	sig	chr16_30023166
chr17	45899474	45899474	+	2.664E-09	1.8685E-08	-0.25546	hypo	sig	chr17_45899474
chr5	73436382	73436382	+	2.669E-09	1.8718E-08	0.213885	hyper	sig	chr5_73436382
chr7	5290835	5290835	+	2.67E-09	1.8728E-08	-0.21887	hypo	sig	chr7_5290835
chr11	2302042	2302042	+	2.671E-09	1.8729E-08	-0.2614	hypo	sig	chr11_2302042
chr10	16519540	16519540	+	2.672E-09	1.8739E-08	0.232741	hyper	sig	chr10_16519540
chr17	77884460	77884460	+	2.672E-09	1.8741E-08	-0.22146	hypo	sig	chr17_77884460
chr4	55157876	55157876	+	2.673E-09	1.8743E-08	0.26162	hyper	sig	chr4_55157876
chr3	1.47E+08	147412609	+	2.673E-09	1.8744E-08	0.260407	hyper	sig	chr3_147412609
chr19	22709195	22709195	+	2.673E-09	1.8746E-08	0.235922	hyper	sig	chr19_22709195
chr10	50024698	50024698	+	2.674E-09	1.8751E-08	0.279916	hyper	sig	chr10_50024698
chr2	1.05E+08	104845280	+	2.678E-09	1.8775E-08	0.206931	hyper	sig	chr2_104845280
chr7	43114304	43114304	+	2.688E-09	1.8844E-08	0.239563	hyper	sig	chr7_43114304
chr11	1.3E+08	129574620	+	2.689E-09	1.8853E-08	-0.24499	hypo	sig	chr11_129574620
chr19	55378044	55378044	+	2.689E-09	1.8854E-08	0.232581	hyper	sig	chr19_55378044
chr10	7411632	7411632	+	2.691E-09	1.8867E-08	0.224204	hyper	sig	chr10_7411632
chr1	10664465	10664465	+	2.699E-09	1.8918E-08	0.241819	hyper	sig	chr1_10664465
chr1	1.51E+08	150981462	+	2.701E-09	1.8934E-08	-0.20286	hypo	sig	chr1_150981462
chr15	37095376	37095376	+	2.702E-09	1.894E-08	0.259853	hyper	sig	chr15_37095376
chr3	55489961	55489961	+	2.702E-09	1.8942E-08	-0.21766	hypo	sig	chr3_55489961
chr20	50588211	50588211	+	2.704E-09	1.8954E-08	-0.24805	hypo	sig	chr20_50588211
chr12	54047346	54047346	+	2.706E-09	1.8965E-08	0.202852	hyper	sig	chr12_54047346
chr15	91912428	91912428	+	2.706E-09	1.8965E-08	-0.20995	hypo	sig	chr15_91912428
chr12	1.14E+08	114408691	+	2.707E-09	1.8971E-08	0.246808	hyper	sig	chr12_114408691
chr14	81331021	81331021	+	2.707E-09	1.8971E-08	-0.20095	hypo	sig	chr14_81331021
chr4	41879181	41879181	+	2.707E-09	1.8973E-08	0.247253	hyper	sig	chr4_41879181
chr16	49838547	49838547	+	2.707E-09	1.8974E-08	0.231663	hyper	sig	chr16_49838547
chr15	81174500	81174500	+	2.709E-09	1.8988E-08	-0.21711	hypo	sig	chr15_81174500
chr6	39793138	39793138	+	2.71E-09	1.8993E-08	0.262547	hyper	sig	chr6_39793138
chr3	13072836	13072836	+	2.712E-09	1.9006E-08	0.250867	hyper	sig	chr3_13072836
chr7	1.58E+08	157582069	+	2.713E-09	1.9014E-08	-0.22281	hypo	sig	chr7_157582069
chr10	1.11E+08	110644947	+	2.716E-09	1.903E-08	0.211158	hyper	sig	chr10_110644947
chr3	1.47E+08	147398143	+	2.72E-09	1.9063E-08	0.220916	hyper	sig	chr3_147398143
chr19	524366	524366	+	2.721E-09	1.9065E-08	-0.22053	hypo	sig	chr19_524366
chr15	77987867	77987867	+	2.726E-09	1.91E-08	-0.24334	hypo	sig	chr15_77987867
chr7	2700636	2700636	+	2.727E-09	1.9104E-08	-0.2074	hypo	sig	chr7_2700636
chr5	80653520	80653520	+	2.727E-09	1.9104E-08	-0.21905	hypo	sig	chr5_80653520
chr8	1.44E+08	144327537	+	2.727E-09	1.9109E-08	0.24831	hyper	sig	chr8_144327537
chr6	27505884	27505884	+	2.733E-09	1.9145E-08	0.224053	hyper	sig	chr6_27505884

chr2	1.71E+08	170821109	+	2.734E-09	1.915E-08	0.207848	hyper	sig	chr2_170821109
chr22	45889802	45889802	+	2.737E-09	1.9174E-08	0.202576	hyper	sig	chr22_45889802
chr3	58586842	58586842	+	2.738E-09	1.9176E-08	0.26478	hyper	sig	chr3_58586842
chr5	37838125	37838125	+	2.738E-09	1.9182E-08	0.217742	hyper	sig	chr5_37838125
chr5	51399824	51399824	+	2.741E-09	1.9199E-08	0.235127	hyper	sig	chr5_51399824
chr1	2.04E+08	204377515	+	2.744E-09	1.9217E-08	-0.28224	hypo	sig	chr1_204377515
chr2	3319296	3319296	+	2.744E-09	1.9218E-08	-0.2209	hypo	sig	chr2_3319296
chr17	5500014	5500014	+	2.747E-09	1.9237E-08	0.245577	hyper	sig	chr17_5500014
chr20	62686850	62686850	+	2.747E-09	1.9241E-08	-0.2138	hypo	sig	chr20_62686850
chr2	75198784	75198784	+	2.749E-09	1.9249E-08	-0.23503	hypo	sig	chr2_75198784
chr10	1.3E+08	129888102	+	2.75E-09	1.9255E-08	-0.23098	hypo	sig	chr10_129888102
chr19	3133437	3133437	+	2.75E-09	1.9259E-08	-0.23872	hypo	sig	chr19_3133437
chr21	43779176	43779176	+	2.75E-09	1.9259E-08	-0.24549	hypo	sig	chr21_43779176
chr8	55102536	55102536	+	2.75E-09	1.926E-08	0.208737	hyper	sig	chr8_55102536
chr10	79242800	79242800	+	2.755E-09	1.929E-08	0.214363	hyper	sig	chr10_79242800
chr10	47299931	47299931	+	2.756E-09	1.9297E-08	0.2618	hyper	sig	chr10_47299931
chr1	1.56E+08	155942839	+	2.762E-09	1.9336E-08	-0.22716	hypo	sig	chr1_155942839
chr16	25103771	25103771	+	2.762E-09	1.9342E-08	-0.23121	hypo	sig	chr16_25103771
chr2	74415421	74415421	+	2.764E-09	1.9354E-08	0.2142	hyper	sig	chr2_74415421
chr12	1.15E+08	114700283	+	2.765E-09	1.9356E-08	0.210403	hyper	sig	chr12_114700283
chr2	496936	496936	+	2.765E-09	1.9361E-08	-0.25595	hypo	sig	chr2_496936
chr17	49887301	49887301	+	2.766E-09	1.9366E-08	-0.20252	hypo	sig	chr17_49887301
chr16	88404447	88404447	+	2.77E-09	1.9389E-08	-0.22817	hypo	sig	chr16_88404447
chr4	1.77E+08	176792244	+	2.77E-09	1.9394E-08	0.207295	hyper	sig	chr4_176792244
chr10	1.02E+08	102240663	+	2.772E-09	1.9406E-08	0.232105	hyper	sig	chr10_102240663
chr10	1.33E+08	133071061	+	2.774E-09	1.9418E-08	-0.21628	hypo	sig	chr10_133071061
chr9	41266852	41266852	+	2.775E-09	1.9424E-08	0.220812	hyper	sig	chr9_41266852
chr1	37761762	37761762	+	2.776E-09	1.9432E-08	0.253299	hyper	sig	chr1_37761762
chr1	10739762	10739762	+	2.777E-09	1.9438E-08	-0.23195	hypo	sig	chr1_10739762
chr6	6006537	6006537	+	2.784E-09	1.9488E-08	0.208569	hyper	sig	chr6_6006537
chr1	15492773	15492773	+	2.785E-09	1.949E-08	0.226965	hyper	sig	chr1_15492773
chr10	1.32E+08	132202775	+	2.786E-09	1.9496E-08	-0.28459	hypo	sig	chr10_132202775
chr11	47331708	47331708	+	2.786E-09	1.9497E-08	-0.22437	hypo	sig	chr11_47331708
chr8	72075016	72075016	+	2.787E-09	1.9503E-08	0.205744	hyper	sig	chr8_72075016
chr19	50319836	50319836	+	2.788E-09	1.9514E-08	-0.20341	hypo	sig	chr19_50319836
chr16	1494647	1494647	+	2.794E-09	1.9551E-08	0.239075	hyper	sig	chr16_1494647
chr22	42290049	42290049	+	2.797E-09	1.9572E-08	0.213964	hyper	sig	chr22_42290049
chr6	30062292	30062292	+	2.799E-09	1.9585E-08	-0.21809	hypo	sig	chr6_30062292
chr7	97021754	97021754	+	2.801E-09	1.9597E-08	0.293654	hyper	sig	chr7_97021754
chr11	22341250	22341250	+	2.804E-09	1.9616E-08	0.205635	hyper	sig	chr11_22341250
chr12	1.24E+08	124457626	+	2.804E-09	1.9617E-08	0.242191	hyper	sig	chr12_124457626
chr16	88416218	88416218	+	2.808E-09	1.9646E-08	-0.20056	hypo	sig	chr16_88416218
chr17	79178622	79178622	+	2.808E-09	1.9647E-08	-0.22615	hypo	sig	chr17_79178622
chr12	6180259	6180259	+	2.81E-09	1.9656E-08	-0.24782	hypo	sig	chr12_6180259
chr13	40922774	40922774	+	2.811E-09	1.9662E-08	-0.2675	hypo	sig	chr13_40922774
chr20	21397899	21397899	+	2.813E-09	1.9677E-08	0.296118	hyper	sig	chr20_21397899
chr19	37403444	37403444	+	2.813E-09	1.968E-08	0.227317	hyper	sig	chr19_37403444
chr10	69416679	69416679	+	2.815E-09	1.9692E-08	0.225017	hyper	sig	chr10_69416679
chr11	70587123	70587123	+	2.816E-09	1.9698E-08	-0.22623	hypo	sig	chr11_70587123
chr22	49855641	49855641	+	2.817E-09	1.9703E-08	-0.23785	hypo	sig	chr22_49855641
chr11	865896	865896	+	2.818E-09	1.9714E-08	-0.26094	hypo	sig	chr11_865896
chr15	93179361	93179361	+	2.82E-09	1.9722E-08	-0.20827	hypo	sig	chr15_93179361
chr1	2.43E+08	243101794	+	2.82E-09	1.9725E-08	0.202	hyper	sig	chr1_243101794
chr11	69654860	69654860	+	2.825E-09	1.9761E-08	-0.20996	hypo	sig	chr11_69654860
chr7	85187181	85187181	+	2.826E-09	1.9764E-08	0.263382	hyper	sig	chr7_85187181
chr7	1.06E+08	106112975	+	2.827E-09	1.9773E-08	-0.218	hypo	sig	chr7_106112975

chr16	88927191	88927191	+	2.828E-09	1.9776E-08	-0.25995	hypo	sig	chr16_88927191
chr8	66507330	66507330	+	2.828E-09	1.9776E-08	0.318083	hyper	sig	chr8_66507330
chr19	38813386	38813386	+	2.829E-09	1.9782E-08	-0.22647	hypo	sig	chr19_38813386
chr15	78626142	78626142	+	2.829E-09	1.9783E-08	-0.2926	hypo	sig	chr15_78626142
chr16	61954	61954	+	2.84E-09	1.9857E-08	0.206039	hyper	sig	chr16_61954
chr16	54291358	54291358	+	2.84E-09	1.9858E-08	0.209663	hyper	sig	chr16_54291358
chr4	2746663	2746663	+	2.84E-09	1.986E-08	-0.21306	hypo	sig	chr4_2746663
chr7	5297189	5297189	+	2.84E-09	1.9861E-08	-0.25651	hypo	sig	chr7_5297189
chr2	71455467	71455467	+	2.842E-09	1.9874E-08	-0.20463	hypo	sig	chr2_71455467
chr7	1.56E+08	155803704	+	2.843E-09	1.9878E-08	0.252633	hyper	sig	chr7_155803704
chr22	50597584	50597584	+	2.847E-09	1.9903E-08	-0.20306	hypo	sig	chr22_50597584
chr9	1.22E+08	122095219	+	2.849E-09	1.9919E-08	-0.25435	hypo	sig	chr9_122095219
chr16	29901396	29901396	+	2.849E-09	1.9919E-08	0.236736	hyper	sig	chr16_29901396
chr17	44657243	44657243	+	2.852E-09	1.9941E-08	0.252025	hyper	sig	chr17_44657243
chr16	87278394	87278394	+	2.853E-09	1.9946E-08	-0.20863	hypo	sig	chr16_87278394
chr12	53973151	53973151	+	2.854E-09	1.9954E-08	0.222252	hyper	sig	chr12_53973151
chr6	1.34E+08	133889607	+	2.856E-09	1.9965E-08	0.260109	hyper	sig	chr6_133889607
chr7	30742471	30742471	+	2.858E-09	1.9976E-08	-0.21336	hypo	sig	chr7_30742471
chr1	2.49E+08	248811488	+	2.858E-09	1.9979E-08	0.23791	hyper	sig	chr1_248811488
chr10	1.19E+08	118595748	+	2.867E-09	2.0038E-08	0.257773	hyper	sig	chr10_118595748
chr7	2692128	2692128	+	2.868E-09	2.0044E-08	-0.27323	hypo	sig	chr7_2692128
chr21	41467664	41467664	+	2.872E-09	2.0073E-08	0.201717	hyper	sig	chr21_41467664
chr20	63690090	63690090	+	2.872E-09	2.0074E-08	-0.23798	hypo	sig	chr20_63690090
chr5	1.57E+08	157266773	+	2.872E-09	2.0076E-08	-0.21328	hypo	sig	chr5_157266773
chr15	22957075	22957075	+	2.873E-09	2.0079E-08	-0.20608	hypo	sig	chr15_22957075
chr1	99004060	99004060	+	2.874E-09	2.0085E-08	0.249074	hyper	sig	chr1_99004060
chr13	1.12E+08	111668804	+	2.879E-09	2.0119E-08	-0.28122	hypo	sig	chr13_111668804
chr10	633325	633325	+	2.879E-09	2.0122E-08	0.200475	hyper	sig	chr10_633325
chr21	44425637	44425637	+	2.882E-09	2.0142E-08	-0.25388	hypo	sig	chr21_44425637
chr3	14564280	14564280	+	2.884E-09	2.0156E-08	-0.29208	hypo	sig	chr3_14564280
chr20	51023431	51023431	+	2.888E-09	2.0179E-08	0.211045	hyper	sig	chr20_51023431
chr12	1.17E+08	117045242	+	2.895E-09	2.0229E-08	0.208112	hyper	sig	chr12_117045242
chr6	1.69E+08	168887114	+	2.895E-09	2.0229E-08	-0.26016	hypo	sig	chr6_168887114
chr12	1.32E+08	132282993	+	2.896E-09	2.0234E-08	-0.23014	hypo	sig	chr12_132282993
chr20	419690	419690	+	2.897E-09	2.0239E-08	-0.27485	hypo	sig	chr20_419690
chr4	25028388	25028388	+	2.9E-09	2.0257E-08	-0.20282	hypo	sig	chr4_25028388
chr2	88448457	88448457	+	2.902E-09	2.0271E-08	-0.21129	hypo	sig	chr2_88448457
chr19	46851426	46851426	+	2.906E-09	2.0297E-08	0.201937	hyper	sig	chr19_46851426
chr8	1.43E+08	142668878	+	2.913E-09	2.0348E-08	0.204263	hyper	sig	chr8_142668878
chr8	1062420	1062420	+	2.915E-09	2.0358E-08	0.222707	hyper	sig	chr8_1062420
chr4	41644648	41644648	+	2.915E-09	2.036E-08	0.213797	hyper	sig	chr4_41644648
chr17	38575946	38575946	+	2.915E-09	2.036E-08	0.20361	hyper	sig	chr17_38575946
chr10	1.01E+08	101228435	+	2.916E-09	2.0363E-08	0.215426	hyper	sig	chr10_101228435
chr16	47038374	47038374	+	2.916E-09	2.0366E-08	-0.21718	hypo	sig	chr16_47038374
chr5	1417591	1417591	+	2.921E-09	2.0398E-08	-0.21102	hypo	sig	chr5_1417591
chr4	54103746	54103746	+	2.923E-09	2.0412E-08	0.224072	hyper	sig	chr4_54103746
chr3	62370464	62370464	+	2.924E-09	2.0414E-08	0.231528	hyper	sig	chr3_62370464
chr15	33311761	33311761	+	2.925E-09	2.0423E-08	0.213924	hyper	sig	chr15_33311761
chr22	17366525	17366525	+	2.926E-09	2.0433E-08	-0.24187	hypo	sig	chr22_17366525
chr17	7589734	7589734	+	2.929E-09	2.0448E-08	0.272369	hyper	sig	chr17_7589734
chr1	10651513	10651513	+	2.929E-09	2.045E-08	0.202991	hyper	sig	chr1_10651513
chr12	43551989	43551989	+	2.929E-09	2.0451E-08	0.311188	hyper	sig	chr12_43551989
chr7	4862047	4862047	+	2.93E-09	2.0456E-08	0.275074	hyper	sig	chr7_4862047
chr19	55316810	55316810	+	2.932E-09	2.0466E-08	0.201151	hyper	sig	chr19_55316810
chr19	18225545	18225545	+	2.932E-09	2.0471E-08	0.271493	hyper	sig	chr19_18225545
chr6	1619225	1619225	+	2.932E-09	2.0471E-08	0.221761	hyper	sig	chr6_1619225

chr8	1.42E+08	141760621	+	2.935E-09	2.049E-08	-0.2202	hypo	sig	chr8_141760621
chr16	88152470	88152470	+	2.938E-09	2.0512E-08	0.206018	hyper	sig	chr16_88152470
chr6	6002962	6002962	+	2.94E-09	2.0519E-08	0.248622	hyper	sig	chr6_6002962
chr7	1.28E+08	128134783	+	2.944E-09	2.0546E-08	0.251126	hyper	sig	chr7_128134783
chr17	44558613	44558613	+	2.944E-09	2.0546E-08	0.217387	hyper	sig	chr17_44558613
chr16	88938563	88938563	+	2.945E-09	2.0556E-08	-0.20556	hypo	sig	chr16_88938563
chr5	1.41E+08	141410090	+	2.948E-09	2.0576E-08	0.220383	hyper	sig	chr5_141410090
chr17	74108754	74108754	+	2.949E-09	2.0579E-08	-0.23945	hypo	sig	chr17_74108754
chr16	14405947	14405947	+	2.954E-09	2.0616E-08	-0.23648	hypo	sig	chr16_14405947
chr4	11427309	11427309	+	2.954E-09	2.0617E-08	0.25812	hyper	sig	chr4_11427309
chr7	1.55E+08	154898429	+	2.955E-09	2.0622E-08	-0.3176	hypo	sig	chr7_154898429
chr19	43699455	43699455	+	2.957E-09	2.0632E-08	0.226475	hyper	sig	chr19_43699455
chr5	1.41E+08	141174257	+	2.959E-09	2.065E-08	0.254153	hyper	sig	chr5_141174257
chr17	82302386	82302386	+	2.96E-09	2.0658E-08	-0.26721	hypo	sig	chr17_82302386
chr2	15690013	15690013	+	2.96E-09	2.0658E-08	-0.22986	hypo	sig	chr2_15690013
chr7	4708159	4708159	+	2.961E-09	2.0661E-08	0.230303	hyper	sig	chr7_4708159
chr1	2.02E+08	202122743	+	2.966E-09	2.0698E-08	0.205885	hyper	sig	chr1_202122743
chr7	1.35E+08	134891640	+	2.968E-09	2.0708E-08	0.221746	hyper	sig	chr7_134891640
chr20	58840253	58840253	+	2.969E-09	2.0718E-08	0.272392	hyper	sig	chr20_58840253
chr20	25584896	25584896	+	2.971E-09	2.0731E-08	0.213251	hyper	sig	chr20_25584896
chr9	96877314	96877314	+	2.973E-09	2.0741E-08	0.257542	hyper	sig	chr9_96877314
chr12	49333191	49333191	+	2.976E-09	2.0762E-08	0.244103	hyper	sig	chr12_49333191
chr5	1865440	1865440	+	2.976E-09	2.0762E-08	-0.21179	hypo	sig	chr5_1865440
chr3	1.38E+08	138350515	+	2.977E-09	2.0767E-08	-0.296	hypo	sig	chr3_138350515
chr20	45114626	45114626	+	2.98E-09	2.0791E-08	0.20371	hyper	sig	chr20_45114626
chr19	17407962	17407962	+	2.981E-09	2.0797E-08	-0.21279	hypo	sig	chr19_17407962
chr8	11059264	11059264	+	2.982E-09	2.0801E-08	0.217566	hyper	sig	chr8_11059264
chr3	1.29E+08	128559748	+	2.983E-09	2.0806E-08	-0.22159	hypo	sig	chr3_128559748
chr6	73208977	73208977	+	2.983E-09	2.0811E-08	-0.27947	hypo	sig	chr6_73208977
chr9	1.3E+08	130175355	+	2.984E-09	2.0819E-08	0.231	hyper	sig	chr9_130175355
chr10	1.25E+08	125024268	+	2.985E-09	2.0825E-08	0.289954	hyper	sig	chr10_125024268
chr19	4912256	4912256	+	2.986E-09	2.0827E-08	0.212105	hyper	sig	chr19_4912256
chr10	1.33E+08	133229369	+	2.988E-09	2.0841E-08	0.221417	hyper	sig	chr10_133229369
chr1	50048046	50048046	+	2.989E-09	2.085E-08	0.253825	hyper	sig	chr1_50048046
chr9	41266885	41266885	+	2.989E-09	2.085E-08	0.224688	hyper	sig	chr9_41266885
chr19	35773224	35773224	+	2.99E-09	2.0858E-08	-0.22536	hypo	sig	chr19_35773224
chr22	25179407	25179407	+	2.993E-09	2.0874E-08	0.229764	hyper	sig	chr22_25179407
chr1	1.61E+08	161201759	+	2.993E-09	2.0877E-08	0.209923	hyper	sig	chr1_161201759
chr12	1.24E+08	124327508	+	2.995E-09	2.0888E-08	0.21562	hyper	sig	chr12_124327508
chr12	54126625	54126625	+	2.995E-09	2.0889E-08	0.200649	hyper	sig	chr12_54126625
chr1	47414110	47414110	+	2.996E-09	2.0892E-08	-0.23937	hypo	sig	chr1_47414110
chr7	27122832	27122832	+	3E-09	2.0918E-08	-0.20838	hypo	sig	chr7_27122832
chr6	27423207	27423207	+	3.003E-09	2.0939E-08	0.318889	hyper	sig	chr6_27423207
chr5	1555696	1555696	+	3.005E-09	2.0955E-08	-0.21631	hypo	sig	chr5_1555696
chr1	4133822	4133822	+	3.006E-09	2.0961E-08	0.201421	hyper	sig	chr1_4133822
chr1	6604299	6604299	+	3.006E-09	2.0964E-08	0.215088	hyper	sig	chr1_6604299
chr17	76013881	76013881	+	3.011E-09	2.0997E-08	0.213979	hyper	sig	chr17_76013881
chr22	19151420	19151420	+	3.022E-09	2.1069E-08	0.21183	hyper	sig	chr22_19151420
chr7	1.53E+08	152926249	+	3.022E-09	2.1071E-08	0.218902	hyper	sig	chr7_152926249
chr7	15685520	15685520	+	3.023E-09	2.1074E-08	0.2156	hyper	sig	chr7_15685520
chr7	1156699	1156699	+	3.025E-09	2.1086E-08	-0.20562	hypo	sig	chr7_1156699
chr8	21727870	21727870	+	3.026E-09	2.1098E-08	-0.22625	hypo	sig	chr8_21727870
chr16	49278418	49278418	+	3.029E-09	2.1114E-08	0.289093	hyper	sig	chr16_49278418
chr17	36464774	36464774	+	3.029E-09	2.1114E-08	0.240947	hyper	sig	chr17_36464774
chr7	4113344	4113344	+	3.031E-09	2.1126E-08	-0.21606	hypo	sig	chr7_4113344
chr4	796013	796013	+	3.032E-09	2.1134E-08	0.210658	hyper	sig	chr4_796013

chr16	46731504	46731504	+	3.033E-09	2.1141E-08	-0.20825	hypo	sig	chr16_46731504
chr4	1.34E+08	134201281	+	3.034E-09	2.115E-08	0.20167	hyper	sig	chr4_134201281
chr4	1310260	1310260	+	3.039E-09	2.1179E-08	0.205946	hyper	sig	chr4_1310260
chr19	12648184	12648184	+	3.039E-09	2.1183E-08	0.241107	hyper	sig	chr19_12648184
chr1	58814740	58814740	+	3.044E-09	2.1216E-08	-0.23217	hypo	sig	chr1_58814740
chr16	1443725	1443725	+	3.047E-09	2.1233E-08	-0.23389	hypo	sig	chr16_1443725
chr3	1.94E+08	194255607	+	3.05E-09	2.1251E-08	-0.2246	hypo	sig	chr3_194255607
chr19	30228473	30228473	+	3.051E-09	2.1262E-08	0.205156	hyper	sig	chr19_30228473
chr19	35351246	35351246	+	3.052E-09	2.1269E-08	-0.22122	hypo	sig	chr19_35351246
chr16	3099151	3099151	+	3.053E-09	2.1272E-08	0.274377	hyper	sig	chr16_3099151
chr3	1.82E+08	181720635	+	3.054E-09	2.128E-08	0.264315	hyper	sig	chr3_181720635
chr19	12513614	12513614	+	3.055E-09	2.1288E-08	0.259557	hyper	sig	chr19_12513614
chr20	17315121	17315121	+	3.058E-09	2.1308E-08	-0.23915	hypo	sig	chr20_17315121
chr2	2.39E+08	239246573	+	3.06E-09	2.132E-08	-0.21788	hypo	sig	chr2_239246573
chr6	1.7E+08	170023585	+	3.06E-09	2.132E-08	0.318203	hyper	sig	chr6_170023585
chr19	45253678	45253678	+	3.06E-09	2.1321E-08	-0.23755	hypo	sig	chr19_45253678
chr11	65592706	65592706	+	3.062E-09	2.1332E-08	0.268138	hyper	sig	chr11_65592706
chr20	49479903	49479903	+	3.062E-09	2.1335E-08	-0.20907	hypo	sig	chr20_49479903
chr15	96047275	96047275	+	3.064E-09	2.1343E-08	-0.21191	hypo	sig	chr15_96047275
chr2	2.27E+08	227320899	+	3.064E-09	2.1345E-08	-0.22485	hypo	sig	chr2_227320899
chr2	66582853	66582853	+	3.066E-09	2.136E-08	0.25272	hyper	sig	chr2_66582853
chr19	6479656	6479656	+	3.067E-09	2.1363E-08	-0.22318	hypo	sig	chr19_6479656
chr17	9017757	9017757	+	3.069E-09	2.1376E-08	-0.20396	hypo	sig	chr17_9017757
chr7	1.5E+08	149774678	+	3.069E-09	2.1377E-08	-0.24799	hypo	sig	chr7_149774678
chr7	27251731	27251731	+	3.071E-09	2.1391E-08	0.261948	hyper	sig	chr7_27251731
chr15	40322979	40322979	+	3.071E-09	2.1391E-08	0.203128	hyper	sig	chr15_40322979
chr14	1.04E+08	103889712	+	3.073E-09	2.1407E-08	-0.20251	hypo	sig	chr14_103889712
chr16	1257501	1257501	+	3.074E-09	2.1409E-08	-0.27192	hypo	sig	chr16_1257501
chr8	48870586	48870586	+	3.077E-09	2.1432E-08	0.268566	hyper	sig	chr8_48870586
chr11	71609806	71609806	+	3.078E-09	2.1437E-08	-0.26391	hypo	sig	chr11_71609806
chr8	10595430	10595430	+	3.078E-09	2.1438E-08	-0.21557	hypo	sig	chr8_10595430
chr5	1.74E+08	173973136	+	3.078E-09	2.1438E-08	0.229581	hyper	sig	chr5_173973136
chr19	1765716	1765716	+	3.079E-09	2.1442E-08	0.260691	hyper	sig	chr19_1765716
chr19	3180083	3180083	+	3.085E-09	2.1481E-08	-0.21847	hypo	sig	chr19_3180083
chr1	4133914	4133914	+	3.085E-09	2.1482E-08	0.251657	hyper	sig	chr1_4133914
chr7	50450837	50450837	+	3.085E-09	2.1485E-08	0.200993	hyper	sig	chr7_50450837
chr10	1.34E+08	133622955	+	3.089E-09	2.1508E-08	0.23743	hyper	sig	chr10_133622955
chr11	1.11E+08	111284314	+	3.094E-09	2.1541E-08	-0.22196	hypo	sig	chr11_111284314
chr2	68775246	68775246	+	3.095E-09	2.155E-08	-0.22457	hypo	sig	chr2_68775246
chr19	58394612	58394612	+	3.097E-09	2.1562E-08	-0.21464	hypo	sig	chr19_58394612
chr2	38073719	38073719	+	3.099E-09	2.1578E-08	0.209481	hyper	sig	chr2_38073719
chr19	13286913	13286913	+	3.1E-09	2.1581E-08	-0.22213	hypo	sig	chr19_13286913
chr17	44761173	44761173	+	3.102E-09	2.1594E-08	-0.21708	hypo	sig	chr17_44761173
chr15	52795255	52795255	+	3.102E-09	2.1594E-08	0.201888	hyper	sig	chr15_52795255
chr19	1466652	1466652	+	3.102E-09	2.1594E-08	0.284667	hyper	sig	chr19_1466652
chr15	96366541	96366541	+	3.102E-09	2.1594E-08	0.23981	hyper	sig	chr15_96366541
chr2	2.22E+08	222298854	+	3.103E-09	2.16E-08	0.221879	hyper	sig	chr2_222298854
chr16	68447598	68447598	+	3.104E-09	2.1608E-08	0.317997	hyper	sig	chr16_68447598
chr16	30894910	30894910	+	3.104E-09	2.161E-08	-0.2065	hypo	sig	chr16_30894910
chr2	43101416	43101416	+	3.105E-09	2.1614E-08	0.244212	hyper	sig	chr2_43101416
chr7	57400640	57400640	+	3.105E-09	2.1617E-08	-0.24232	hypo	sig	chr7_57400640
chr18	26547624	26547624	+	3.107E-09	2.1629E-08	0.247064	hyper	sig	chr18_26547624
chr4	1082572	1082572	+	3.109E-09	2.1639E-08	-0.23835	hypo	sig	chr4_1082572
chr1	1166016	1166016	+	3.111E-09	2.1655E-08	-0.21425	hypo	sig	chr1_1166016
chr6	29558566	29558566	+	3.114E-09	2.1672E-08	-0.31204	hypo	sig	chr6_29558566
chr12	1.31E+08	131435001	+	3.114E-09	2.1676E-08	-0.23215	hypo	sig	chr12_131435001

chr13	78595618	78595618	+	3.117E-09	2.1696E-08	0.212305	hyper	sig	chr13_78595618
chr17	6995766	6995766	+	3.12E-09	2.1714E-08	0.231123	hyper	sig	chr17_6995766
chr19	41904211	41904211	+	3.12E-09	2.1715E-08	-0.22553	hypo	sig	chr19_41904211
chr17	32519160	32519160	+	3.123E-09	2.1734E-08	0.216111	hyper	sig	chr17_32519160
chr1	3111981	3111981	+	3.125E-09	2.1745E-08	0.239162	hyper	sig	chr1_3111981
chr8	1.43E+08	143286881	+	3.128E-09	2.1763E-08	-0.20184	hypo	sig	chr8_143286881
chr16	49274584	49274584	+	3.131E-09	2.1783E-08	0.207157	hyper	sig	chr16_49274584
chr7	1.58E+08	157754057	+	3.137E-09	2.1826E-08	-0.23082	hypo	sig	chr7_157754057
chr5	572026	572026	+	3.137E-09	2.1829E-08	-0.21994	hypo	sig	chr5_572026
chr8	79769058	79769058	+	3.138E-09	2.1835E-08	-0.20252	hypo	sig	chr8_79769058
chr12	52258923	52258923	+	3.141E-09	2.1854E-08	0.25015	hyper	sig	chr12_52258923
chr8	1.44E+08	143873260	+	3.146E-09	2.1886E-08	0.241214	hyper	sig	chr8_143873260
chr6	1.66E+08	165731368	+	3.151E-09	2.1918E-08	-0.20004	hypo	sig	chr6_165731368
chr6	28616403	28616403	+	3.157E-09	2.1958E-08	0.214574	hyper	sig	chr6_28616403
chr6	41653213	41653213	+	3.157E-09	2.1959E-08	0.227996	hyper	sig	chr6_41653213
chr13	1.11E+08	111113870	+	3.157E-09	2.1961E-08	-0.21437	hypo	sig	chr13_111113870
chr19	2241178	2241178	+	3.158E-09	2.1965E-08	-0.33417	hypo	sig	chr19_2241178
chr20	62063557	62063557	+	3.159E-09	2.1975E-08	0.245909	hyper	sig	chr20_62063557
chr17	47848163	47848163	+	3.161E-09	2.1987E-08	0.228643	hyper	sig	chr17_47848163
chr17	3917492	3917492	+	3.164E-09	2.2008E-08	-0.24023	hypo	sig	chr17_3917492
chr4	1212030	1212030	+	3.165E-09	2.2015E-08	0.296113	hyper	sig	chr4_1212030
chr9	1.38E+08	137788771	+	3.17E-09	2.205E-08	-0.2382	hypo	sig	chr9_137788771
chr3	1.49E+08	148697656	+	3.171E-09	2.2051E-08	0.211065	hyper	sig	chr3_148697656
chr8	1011834	1011834	+	3.171E-09	2.2055E-08	-0.20816	hypo	sig	chr8_1011834
chr11	30016265	30016265	+	3.173E-09	2.2065E-08	0.236692	hyper	sig	chr11_30016265
chr12	8015031	8015031	+	3.18E-09	2.2111E-08	0.215935	hyper	sig	chr12_8015031
chr12	1.32E+08	132196336	+	3.18E-09	2.2113E-08	-0.22248	hypo	sig	chr12_132196336
chr8	1.08E+08	108081876	+	3.181E-09	2.212E-08	0.203385	hyper	sig	chr8_108081876
chr8	72075323	72075323	+	3.182E-09	2.2128E-08	0.214377	hyper	sig	chr8_72075323
chr5	1.4E+08	140146364	+	3.183E-09	2.2134E-08	0.270428	hyper	sig	chr5_140146364
chr1	1.57E+08	156676285	+	3.184E-09	2.2138E-08	0.204287	hyper	sig	chr1_156676285
chr7	1.01E+08	100641549	+	3.186E-09	2.2152E-08	-0.2183	hypo	sig	chr7_100641549
chr1	1.56E+08	156076747	+	3.186E-09	2.2155E-08	0.278745	hyper	sig	chr1_156076747
chr6	10411139	10411139	+	3.187E-09	2.2159E-08	0.230133	hyper	sig	chr6_10411139
chr1	1.11E+08	111233234	+	3.189E-09	2.2173E-08	-0.25366	hypo	sig	chr1_111233234
chr19	18386448	18386448	+	3.189E-09	2.2174E-08	-0.20065	hypo	sig	chr19_18386448
chr9	1.31E+08	131011000	+	3.192E-09	2.2191E-08	-0.21134	hypo	sig	chr9_131011000
chr11	63945509	63945509	+	3.192E-09	2.2194E-08	0.249784	hyper	sig	chr11_63945509
chr1	47984247	47984247	+	3.193E-09	2.2202E-08	0.220905	hyper	sig	chr1_47984247
chr20	20365487	20365487	+	3.194E-09	2.2204E-08	0.278609	hyper	sig	chr20_20365487
chr1	16983071	16983071	+	3.196E-09	2.222E-08	-0.25233	hypo	sig	chr1_16983071
chr9	1.33E+08	133120055	+	3.196E-09	2.2221E-08	0.212766	hyper	sig	chr9_133120055
chr12	1.31E+08	130918239	+	3.198E-09	2.2231E-08	-0.26414	hypo	sig	chr12_130918239
chr3	9552416	9552416	+	3.198E-09	2.2234E-08	0.217554	hyper	sig	chr3_9552416
chr7	27113359	27113359	+	3.2E-09	2.2244E-08	0.327586	hyper	sig	chr7_27113359
chr12	3151008	3151008	+	3.203E-09	2.2263E-08	0.206468	hyper	sig	chr12_3151008
chr5	1.41E+08	140876767	+	3.204E-09	2.2274E-08	0.226777	hyper	sig	chr5_140876767
chr10	1.02E+08	102240665	+	3.214E-09	2.2338E-08	0.226928	hyper	sig	chr10_102240665
chr1	3598630	3598630	+	3.217E-09	2.236E-08	0.234369	hyper	sig	chr1_3598630
chr2	44981339	44981339	+	3.217E-09	2.236E-08	-0.21286	hypo	sig	chr2_44981339
chr20	62466218	62466218	+	3.217E-09	2.236E-08	-0.20423	hypo	sig	chr20_62466218
chr7	19144345	19144345	+	3.219E-09	2.2369E-08	0.210074	hyper	sig	chr7_19144345
chr2	95026220	95026220	+	3.221E-09	2.2384E-08	0.213768	hyper	sig	chr2_95026220
chr2	1.28E+08	127884594	+	3.221E-09	2.2384E-08	0.202304	hyper	sig	chr2_127884594
chr17	83060641	83060641	+	3.222E-09	2.2393E-08	-0.23171	hypo	sig	chr17_83060641
chr10	1.19E+08	118595885	+	3.224E-09	2.2402E-08	0.253768	hyper	sig	chr10_118595885

chr15	61227437	61227437	+	3.224E-09	2.2404E-08	0.202413	hyper	sig	chr15_61227437
chr16	31224451	31224451	+	3.225E-09	2.2409E-08	0.235833	hyper	sig	chr16_31224451
chr17	78561052	78561052	+	3.228E-09	2.2434E-08	-0.22944	hypo	sig	chr17_78561052
chr14	91415213	91415213	+	3.229E-09	2.2436E-08	-0.22979	hypo	sig	chr14_91415213
chr8	1184615	1184615	+	3.229E-09	2.2436E-08	-0.24207	hypo	sig	chr8_1184615
chr12	50081364	50081364	+	3.239E-09	2.2507E-08	0.239808	hyper	sig	chr12_50081364
chr2	1.76E+08	176164345	+	3.244E-09	2.2537E-08	0.200193	hyper	sig	chr2_176164345
chr14	64197186	64197186	+	3.245E-09	2.2541E-08	0.213967	hyper	sig	chr14_64197186
chr5	1.41E+08	141370544	+	3.246E-09	2.2553E-08	0.26067	hyper	sig	chr5_141370544
chr3	72928972	72928972	+	3.247E-09	2.2554E-08	0.235195	hyper	sig	chr3_72928972
chr2	1.28E+08	127653125	+	3.248E-09	2.2565E-08	0.22171	hyper	sig	chr2_127653125
chr11	1.16E+08	115505424	+	3.254E-09	2.2601E-08	-0.21812	hypo	sig	chr11_115505424
chr17	1005510	1005510	+	3.255E-09	2.2611E-08	0.205273	hyper	sig	chr17_1005510
chr21	42684766	42684766	+	3.259E-09	2.2635E-08	-0.25811	hypo	sig	chr21_42684766
chr19	35450004	35450004	+	3.26E-09	2.264E-08	-0.21669	hypo	sig	chr19_35450004
chr7	1.56E+08	155804796	+	3.26E-09	2.2642E-08	0.217321	hyper	sig	chr7_155804796
chr12	65278430	65278430	+	3.264E-09	2.2671E-08	0.21349	hyper	sig	chr12_65278430
chr9	1.37E+08	136527647	+	3.268E-09	2.2695E-08	-0.21225	hypo	sig	chr9_136527647
chr1	1.75E+08	175079778	+	3.268E-09	2.2696E-08	-0.25445	hypo	sig	chr1_175079778
chr16	88410159	88410159	+	3.271E-09	2.2717E-08	-0.23086	hypo	sig	chr16_88410159
chr13	40922884	40922884	+	3.275E-09	2.2738E-08	-0.2602	hypo	sig	chr13_40922884
chr18	13136311	13136311	+	3.276E-09	2.2746E-08	-0.20374	hypo	sig	chr18_13136311
chr15	69462422	69462422	+	3.276E-09	2.2751E-08	-0.21832	hypo	sig	chr15_69462422
chr1	18632462	18632462	+	3.277E-09	2.2754E-08	0.250263	hyper	sig	chr1_18632462
chr1	90717499	90717499	+	3.288E-09	2.283E-08	0.253485	hyper	sig	chr1_90717499
chr7	1.2E+08	120272532	+	3.292E-09	2.2856E-08	0.213613	hyper	sig	chr7_120272532
chr2	2.39E+08	239349243	+	3.292E-09	2.2858E-08	0.247743	hyper	sig	chr2_239349243
chr12	53975670	53975670	+	3.295E-09	2.2879E-08	0.219042	hyper	sig	chr12_53975670
chr11	2266737	2266737	+	3.298E-09	2.2896E-08	-0.21795	hypo	sig	chr11_2266737
chr22	43345131	43345131	+	3.299E-09	2.2899E-08	-0.20444	hypo	sig	chr22_43345131
chr1	2.23E+08	223129465	+	3.299E-09	2.2901E-08	0.233123	hyper	sig	chr1_223129465
chr3	1.42E+08	141797715	+	3.301E-09	2.2912E-08	0.256804	hyper	sig	chr3_141797715
chr16	85349152	85349152	+	3.301E-09	2.2913E-08	-0.22389	hypo	sig	chr16_85349152
chr1	27405691	27405691	+	3.304E-09	2.2933E-08	0.207594	hyper	sig	chr1_27405691
chr10	93060280	93060280	+	3.304E-09	2.2933E-08	0.206853	hyper	sig	chr10_93060280
chr1	3275374	3275374	+	3.305E-09	2.2938E-08	-0.21857	hypo	sig	chr1_3275374
chr13	1.14E+08	114059995	+	3.306E-09	2.2945E-08	-0.20097	hypo	sig	chr13_114059995
chr7	4707670	4707670	+	3.312E-09	2.2987E-08	0.208392	hyper	sig	chr7_4707670
chr16	85168196	85168196	+	3.312E-09	2.2988E-08	-0.24619	hypo	sig	chr16_85168196
chr17	65538418	65538418	+	3.314E-09	2.3002E-08	-0.21279	hypo	sig	chr17_65538418
chr20	32217212	32217212	+	3.315E-09	2.3007E-08	-0.20202	hypo	sig	chr20_32217212
chr6	33113758	33113758	+	3.319E-09	2.3033E-08	-0.24681	hypo	sig	chr6_33113758
chr3	51713246	51713246	+	3.319E-09	2.3033E-08	-0.21176	hypo	sig	chr3_51713246
chr20	45098416	45098416	+	3.32E-09	2.3039E-08	0.23246	hyper	sig	chr20_45098416
chr19	53329219	53329219	+	3.326E-09	2.3078E-08	0.256398	hyper	sig	chr19_53329219
chr16	1010567	1010567	+	3.329E-09	2.3097E-08	0.225012	hyper	sig	chr16_1010567
chr9	1.36E+08	135501839	+	3.329E-09	2.3101E-08	0.231408	hyper	sig	chr9_135501839
chr13	50133363	50133363	+	3.333E-09	2.3127E-08	0.217066	hyper	sig	chr13_50133363
chr11	12009566	12009566	+	3.334E-09	2.3135E-08	0.240873	hyper	sig	chr11_12009566
chr20	63007020	63007020	+	3.338E-09	2.3161E-08	0.234323	hyper	sig	chr20_63007020
chr12	48795548	48795548	+	3.339E-09	2.3164E-08	-0.22526	hypo	sig	chr12_48795548
chr2	74648421	74648421	+	3.34E-09	2.3175E-08	0.214231	hyper	sig	chr2_74648421
chr19	18787526	18787526	+	3.345E-09	2.3203E-08	0.218649	hyper	sig	chr19_18787526
chr9	1.25E+08	124503710	+	3.345E-09	2.3208E-08	0.235106	hyper	sig	chr9_124503710
chr20	44750257	44750257	+	3.354E-09	2.3269E-08	0.229442	hyper	sig	chr20_44750257
chr21	10342509	10342509	+	3.355E-09	2.3274E-08	-0.20229	hypo	sig	chr21_10342509

chr14	74218162	74218162	+	3.357E-09	2.3287E-08	-0.23591	hypo	sig	chr14_74218162
chr12	8321606	8321606	+	3.359E-09	2.33E-08	-0.21131	hypo	sig	chr12_8321606
chr7	1.57E+08	157044132	+	3.361E-09	2.3311E-08	-0.26418	hypo	sig	chr7_157044132
chr20	62466229	62466229	+	3.361E-09	2.3312E-08	-0.21202	hypo	sig	chr20_62466229
chr9	1.37E+08	137262285	+	3.365E-09	2.3338E-08	0.216789	hyper	sig	chr9_137262285
chr11	1.34E+08	133575907	+	3.367E-09	2.3352E-08	-0.2006	hypo	sig	chr11_133575907
chr12	1.25E+08	124621165	+	3.37E-09	2.3372E-08	0.231177	hyper	sig	chr12_124621165
chr10	1.32E+08	132116159	+	3.371E-09	2.3381E-08	-0.22387	hypo	sig	chr10_132116159
chr22	44729282	44729282	+	3.376E-09	2.341E-08	0.21973	hyper	sig	chr22_44729282
chr5	603436	603436	+	3.376E-09	2.3413E-08	0.212024	hyper	sig	chr5_603436
chr16	3086931	3086931	+	3.377E-09	2.3415E-08	-0.30101	hypo	sig	chr16_3086931
chr15	65085713	65085713	+	3.377E-09	2.3418E-08	0.248582	hyper	sig	chr15_65085713
chr16	67648907	67648907	+	3.382E-09	2.3454E-08	0.237296	hyper	sig	chr16_67648907
chr16	15055179	15055179	+	3.384E-09	2.3464E-08	0.217002	hyper	sig	chr16_15055179
chr12	1.32E+08	131851009	+	3.385E-09	2.3469E-08	-0.21667	hypo	sig	chr12_131851009
chr7	1.57E+08	157005848	+	3.386E-09	2.3475E-08	0.268023	hyper	sig	chr7_157005848
chr16	86569939	86569939	+	3.389E-09	2.3497E-08	0.218763	hyper	sig	chr16_86569939
chr4	1.09E+08	109302025	+	3.393E-09	2.3521E-08	0.212285	hyper	sig	chr4_109302025
chr2	72919938	72919938	+	3.393E-09	2.3525E-08	0.212075	hyper	sig	chr2_72919938
chr9	1.33E+08	133274637	+	3.395E-09	2.3534E-08	-0.2074	hypo	sig	chr9_133274637
chr7	1.59E+08	158974456	+	3.4E-09	2.357E-08	-0.23598	hypo	sig	chr7_158974456
chr3	1.28E+08	128480913	+	3.405E-09	2.3603E-08	0.227652	hyper	sig	chr3_128480913
chr1	1.56E+08	156161468	+	3.408E-09	2.362E-08	0.226732	hyper	sig	chr1_156161468
chr19	1526602	1526602	+	3.408E-09	2.3625E-08	-0.24734	hypo	sig	chr19_1526602
chr2	1.32E+08	131813539	+	3.41E-09	2.3633E-08	-0.22228	hypo	sig	chr2_131813539
chr19	15900565	15900565	+	3.412E-09	2.3649E-08	0.216621	hyper	sig	chr19_15900565
chr10	1.04E+08	103661119	+	3.413E-09	2.3658E-08	0.233641	hyper	sig	chr10_103661119
chr17	39563720	39563720	+	3.414E-09	2.3664E-08	0.225552	hyper	sig	chr17_39563720
chr13	1.11E+08	111458913	+	3.416E-09	2.3673E-08	-0.28492	hypo	sig	chr13_111458913
chr19	35959511	35959511	+	3.416E-09	2.3677E-08	0.216477	hyper	sig	chr19_35959511
chr13	1.14E+08	114027196	+	3.421E-09	2.3707E-08	0.27767	hyper	sig	chr13_114027196
chr12	50081615	50081615	+	3.421E-09	2.3708E-08	0.207431	hyper	sig	chr12_50081615
chr6	10411175	10411175	+	3.43E-09	2.377E-08	0.211614	hyper	sig	chr6_10411175
chr20	45316878	45316878	+	3.431E-09	2.3772E-08	0.363736	hyper	sig	chr20_45316878
chr20	4814717	4814717	+	3.432E-09	2.3783E-08	-0.23106	hypo	sig	chr20_4814717
chr8	1.2E+08	120126078	+	3.433E-09	2.3788E-08	0.2001	hyper	sig	chr8_120126078
chr11	1.33E+08	133065081	+	3.434E-09	2.379E-08	-0.20291	hypo	sig	chr11_133065081
chr7	3095036	3095036	+	3.435E-09	2.3799E-08	-0.20933	hypo	sig	chr7_3095036
chr3	8984368	8984368	+	3.445E-09	2.387E-08	-0.22758	hypo	sig	chr3_8984368
chr17	7855474	7855474	+	3.446E-09	2.3872E-08	0.251023	hyper	sig	chr17_7855474
chr8	64374027	64374027	+	3.448E-09	2.3888E-08	0.287144	hyper	sig	chr8_64374027
chr17	48725069	48725069	+	3.455E-09	2.3934E-08	0.230126	hyper	sig	chr17_48725069
chr11	1916227	1916227	+	3.457E-09	2.3948E-08	-0.20283	hypo	sig	chr11_1916227
chr12	34338244	34338244	+	3.458E-09	2.3955E-08	-0.25048	hypo	sig	chr12_34338244
chr8	40932943	40932943	+	3.459E-09	2.3957E-08	-0.20269	hypo	sig	chr8_40932943
chr19	40170367	40170367	+	3.465E-09	2.3998E-08	0.205128	hyper	sig	chr19_40170367
chr17	82302395	82302395	+	3.466E-09	2.4006E-08	-0.23378	hypo	sig	chr17_82302395
chr12	50082460	50082460	+	3.468E-09	2.4022E-08	-0.26147	hypo	sig	chr12_50082460
chr19	13962262	13962262	+	3.47E-09	2.4035E-08	0.226198	hyper	sig	chr19_13962262
chr3	1.47E+08	147405686	+	3.471E-09	2.404E-08	0.229848	hyper	sig	chr3_147405686
chr10	1.3E+08	129855021	+	3.473E-09	2.4052E-08	-0.20163	hypo	sig	chr10_129855021
chr7	56483964	56483964	+	3.478E-09	2.4087E-08	0.208175	hyper	sig	chr7_56483964
chr2	1.07E+08	106584602	+	3.479E-09	2.4094E-08	0.207489	hyper	sig	chr2_106584602
chr12	24902629	24902629	+	3.48E-09	2.4097E-08	0.219912	hyper	sig	chr12_24902629
chr14	56809897	56809897	+	3.481E-09	2.4106E-08	0.218709	hyper	sig	chr14_56809897
chr15	77902133	77902133	+	3.488E-09	2.4153E-08	-0.20029	hypo	sig	chr15_77902133

chr12	57475305	57475305	+	3.489E-09	2.4155E-08	0.223187	hyper	sig	chr12_57475305
chr16	67648973	67648973	+	3.489E-09	2.4156E-08	0.205218	hyper	sig	chr16_67648973
chr17	82646871	82646871	+	3.489E-09	2.4159E-08	-0.27812	hypo	sig	chr17_82646871
chr10	1.03E+08	103281847	+	3.496E-09	2.4201E-08	0.21544	hyper	sig	chr10_103281847
chr7	1.39E+08	139485918	+	3.496E-09	2.4203E-08	-0.20161	hypo	sig	chr7_139485918
chr19	57708787	57708787	+	3.496E-09	2.4203E-08	0.252852	hyper	sig	chr19_57708787
chr6	33976078	33976078	+	3.499E-09	2.4224E-08	0.200059	hyper	sig	chr6_33976078
chr17	897191	897191	+	3.504E-09	2.4257E-08	0.229737	hyper	sig	chr17_897191
chr4	48909959	48909959	+	3.504E-09	2.4257E-08	-0.24559	hypo	sig	chr4_48909959
chr7	1593180	1593180	+	3.505E-09	2.4265E-08	-0.26481	hypo	sig	chr7_1593180
chr6	50842991	50842991	+	3.507E-09	2.4277E-08	0.206708	hyper	sig	chr6_50842991
chr7	1.02E+08	102258339	+	3.513E-09	2.4315E-08	-0.22287	hypo	sig	chr7_102258339
chr19	17821388	17821388	+	3.514E-09	2.4319E-08	0.241655	hyper	sig	chr19_17821388
chr2	88284056	88284056	+	3.517E-09	2.4345E-08	0.207078	hyper	sig	chr2_88284056
chr4	3662565	3662565	+	3.52E-09	2.4362E-08	-0.21649	hypo	sig	chr4_3662565
chr1	2.21E+08	220885507	+	3.521E-09	2.437E-08	0.227363	hyper	sig	chr1_220885507
chr5	1.73E+08	173233763	+	3.527E-09	2.4407E-08	0.245719	hyper	sig	chr5_173233763
chr1	1.1E+08	110068901	+	3.527E-09	2.4409E-08	0.221505	hyper	sig	chr1_110068901
chr11	68854807	68854807	+	3.528E-09	2.4415E-08	0.231936	hyper	sig	chr11_68854807
chr14	99118576	99118576	+	3.532E-09	2.4438E-08	0.255222	hyper	sig	chr14_99118576
chr19	1734465	1734465	+	3.533E-09	2.4444E-08	0.218982	hyper	sig	chr19_1734465
chr2	85752921	85752921	+	3.533E-09	2.445E-08	-0.24978	hypo	sig	chr2_85752921
chr6	28810423	28810423	+	3.536E-09	2.4468E-08	0.239901	hyper	sig	chr6_28810423
chr3	32819997	32819997	+	3.536E-09	2.4468E-08	0.251346	hyper	sig	chr3_32819997
chr20	2840281	2840281	+	3.537E-09	2.4474E-08	0.20065	hyper	sig	chr20_2840281
chr10	1.33E+08	133273977	+	3.538E-09	2.4479E-08	-0.24965	hypo	sig	chr10_133273977
chr1	9311347	9311347	+	3.539E-09	2.4488E-08	0.227914	hyper	sig	chr1_9311347
chr12	38154219	38154219	+	3.54E-09	2.4492E-08	-0.22428	hypo	sig	chr12_38154219
chr17	80087644	80087644	+	3.541E-09	2.4502E-08	-0.2601	hypo	sig	chr17_80087644
chr3	1.42E+08	141797729	+	3.541E-09	2.4503E-08	0.237817	hyper	sig	chr3_141797729
chr5	67011508	67011508	+	3.544E-09	2.4521E-08	0.246824	hyper	sig	chr5_67011508
chr17	82334205	82334205	+	3.545E-09	2.4526E-08	0.227979	hyper	sig	chr17_82334205
chr17	27666526	27666526	+	3.546E-09	2.453E-08	-0.21007	hypo	sig	chr17_27666526
chr12	1.23E+08	122716730	+	3.553E-09	2.458E-08	-0.21175	hypo	sig	chr12_122716730
chr11	1338856	1338856	+	3.553E-09	2.4581E-08	-0.20734	hypo	sig	chr11_1338856
chr19	57119061	57119061	+	3.554E-09	2.4589E-08	0.207584	hyper	sig	chr19_57119061
chr17	45844998	45844998	+	3.557E-09	2.4602E-08	-0.25699	hypo	sig	chr17_45844998
chr10	1.33E+08	133085102	+	3.557E-09	2.4603E-08	-0.22624	hypo	sig	chr10_133085102
chr1	1.48E+08	148329023	+	3.559E-09	2.4617E-08	0.200595	hyper	sig	chr1_148329023
chr20	63415020	63415020	+	3.564E-09	2.4651E-08	-0.21981	hypo	sig	chr20_63415020
chr14	1.01E+08	100826630	+	3.564E-09	2.4652E-08	0.254784	hyper	sig	chr14_100826630
chr2	2.42E+08	241771552	+	3.564E-09	2.4652E-08	0.222222	hyper	sig	chr2_241771552
chr1	2611094	2611094	+	3.565E-09	2.4657E-08	0.248261	hyper	sig	chr1_2611094
chr7	5357057	5357057	+	3.57E-09	2.469E-08	0.218968	hyper	sig	chr7_5357057
chr5	1.77E+08	176553530	+	3.576E-09	2.4732E-08	-0.20128	hypo	sig	chr5_176553530
chr3	51962929	51962929	+	3.577E-09	2.4733E-08	0.224491	hyper	sig	chr3_51962929
chr7	73399661	73399661	+	3.577E-09	2.4735E-08	0.20228	hyper	sig	chr7_73399661
chr15	34754449	34754449	+	3.577E-09	2.4736E-08	0.217041	hyper	sig	chr15_34754449
chr11	62806342	62806342	+	3.577E-09	2.4737E-08	-0.24435	hypo	sig	chr11_62806342
chr5	1.16E+08	115962331	+	3.578E-09	2.4742E-08	0.25654	hyper	sig	chr5_115962331
chr4	65670689	65670689	+	3.58E-09	2.4756E-08	0.213856	hyper	sig	chr4_65670689
chr20	63466900	63466900	+	3.583E-09	2.4772E-08	-0.21916	hypo	sig	chr20_63466900
chr22	29474286	29474286	+	3.584E-09	2.4782E-08	-0.21724	hypo	sig	chr22_29474286
chr5	1.41E+08	140823086	+	3.585E-09	2.4788E-08	0.20051	hyper	sig	chr5_140823086
chr11	47172586	47172586	+	3.591E-09	2.4828E-08	0.253324	hyper	sig	chr11_47172586
chr16	87885952	87885952	+	3.598E-09	2.4875E-08	-0.20518	hypo	sig	chr16_87885952

chr1	7070032	7070032	+	3.601E-09	2.4892E-08	0.207864	hyper	sig	chr1_7070032
chr10	1.33E+08	133273993	+	3.607E-09	2.4935E-08	-0.24524	hypo	sig	chr10_133273993
chr4	88458005	88458005	+	3.608E-09	2.494E-08	0.245626	hyper	sig	chr4_88458005
chr10	1.32E+08	132164998	+	3.609E-09	2.4945E-08	-0.2139	hypo	sig	chr10_132164998
chr4	7655592	7655592	+	3.609E-09	2.4947E-08	-0.20955	hypo	sig	chr4_7655592
chr8	1.44E+08	143718821	+	3.61E-09	2.4954E-08	-0.2028	hypo	sig	chr8_143718821
chr3	1.47E+08	147424647	+	3.611E-09	2.496E-08	0.227603	hyper	sig	chr3_147424647
chr19	40613499	40613499	+	3.612E-09	2.4962E-08	0.204799	hyper	sig	chr19_40613499
chr3	1.05E+08	105353825	+	3.613E-09	2.497E-08	0.2247	hyper	sig	chr3_105353825
chr14	60654006	60654006	+	3.613E-09	2.4972E-08	0.210182	hyper	sig	chr14_60654006
chr4	3311859	3311859	+	3.616E-09	2.4988E-08	-0.20369	hypo	sig	chr4_3311859
chr15	90956125	90956125	+	3.616E-09	2.4992E-08	-0.2241	hypo	sig	chr15_90956125
chr5	42994096	42994096	+	3.617E-09	2.4996E-08	0.207911	hyper	sig	chr5_42994096
chr11	18695119	18695119	+	3.619E-09	2.5011E-08	-0.20483	hypo	sig	chr11_18695119
chr13	1.09E+08	108925669	+	3.62E-09	2.5014E-08	-0.23261	hypo	sig	chr13_108925669
chr16	55331855	55331855	+	3.622E-09	2.5027E-08	0.271461	hyper	sig	chr16_55331855
chr16	49484241	49484241	+	3.624E-09	2.5042E-08	0.200923	hyper	sig	chr16_49484241
chr22	39376230	39376230	+	3.624E-09	2.5044E-08	-0.26778	hypo	sig	chr22_39376230
chr1	14923299	14923299	+	3.626E-09	2.5053E-08	-0.22001	hypo	sig	chr1_14923299
chr1	38051570	38051570	+	3.626E-09	2.5057E-08	-0.20017	hypo	sig	chr1_38051570
chr1	1.53E+08	152760569	+	3.627E-09	2.5059E-08	-0.22551	hypo	sig	chr1_152760569
chr19	6475499	6475499	+	3.629E-09	2.5073E-08	0.200922	hyper	sig	chr19_6475499
chr4	41751071	41751071	+	3.629E-09	2.5078E-08	0.222269	hyper	sig	chr4_41751071
chr16	3075828	3075828	+	3.636E-09	2.5125E-08	0.21261	hyper	sig	chr16_3075828
chr19	58350336	58350336	+	3.637E-09	2.5127E-08	0.335365	hyper	sig	chr19_58350336
chr2	1.13E+08	113235475	+	3.644E-09	2.5179E-08	-0.22491	hypo	sig	chr2_113235475
chr10	1.19E+08	118596522	+	3.645E-09	2.5184E-08	0.202416	hyper	sig	chr10_118596522
chr2	9213005	9213005	+	3.649E-09	2.5212E-08	-0.21439	hypo	sig	chr2_9213005
chr13	1.14E+08	113653306	+	3.654E-09	2.5242E-08	-0.2118	hypo	sig	chr13_113653306
chr1	1.15E+08	115338523	+	3.657E-09	2.526E-08	0.261197	hyper	sig	chr1_115338523
chr8	98949395	98949395	+	3.658E-09	2.5269E-08	0.229803	hyper	sig	chr8_98949395
chr7	1.58E+08	157751250	+	3.658E-09	2.527E-08	-0.20489	hypo	sig	chr7_157751250
chr22	23581423	23581423	+	3.659E-09	2.5274E-08	-0.25223	hypo	sig	chr22_23581423
chr7	1.5E+08	150372702	+	3.664E-09	2.5306E-08	-0.22218	hypo	sig	chr7_150372702
chr17	7446973	7446973	+	3.669E-09	2.5343E-08	0.255142	hyper	sig	chr17_7446973
chr16	30012294	30012294	+	3.67E-09	2.5345E-08	0.211942	hyper	sig	chr16_30012294
chr11	70662104	70662104	+	3.67E-09	2.5346E-08	0.219706	hyper	sig	chr11_70662104
chr9	1.37E+08	136998056	+	3.671E-09	2.535E-08	-0.21104	hypo	sig	chr9_136998056
chr3	52373375	52373375	+	3.671E-09	2.5355E-08	0.299437	hyper	sig	chr3_52373375
chr1	44238029	44238029	+	3.672E-09	2.5361E-08	0.2046	hyper	sig	chr1_44238029
chr11	1.19E+08	119315020	+	3.677E-09	2.5395E-08	0.205042	hyper	sig	chr11_119315020
chr2	2.39E+08	239349365	+	3.678E-09	2.5396E-08	0.20105	hyper	sig	chr2_239349365
chr3	1.2E+08	120285446	+	3.681E-09	2.542E-08	0.243613	hyper	sig	chr3_120285446
chr16	19875359	19875359	+	3.682E-09	2.5427E-08	-0.20985	hypo	sig	chr16_19875359
chr2	2.38E+08	237538516	+	3.685E-09	2.5441E-08	0.222654	hyper	sig	chr2_237538516
chr2	2.08E+08	208406636	+	3.686E-09	2.5449E-08	0.297723	hyper	sig	chr2_208406636
chr7	1.55E+08	154914105	+	3.689E-09	2.547E-08	0.228889	hyper	sig	chr7_154914105
chr2	2.41E+08	240782646	+	3.689E-09	2.5472E-08	-0.21414	hypo	sig	chr2_240782646
chr17	36941381	36941381	+	3.69E-09	2.5474E-08	0.205211	hyper	sig	chr17_36941381
chr5	1.13E+08	113487745	+	3.69E-09	2.5475E-08	0.210214	hyper	sig	chr5_113487745
chr10	1.33E+08	132938999	+	3.694E-09	2.5503E-08	-0.20088	hypo	sig	chr10_132938999
chr6	50846058	50846058	+	3.695E-09	2.551E-08	0.294108	hyper	sig	chr6_50846058
chr6	71588821	71588821	+	3.695E-09	2.5512E-08	0.226705	hyper	sig	chr6_71588821
chr22	50578555	50578555	+	3.699E-09	2.5534E-08	0.207593	hyper	sig	chr22_50578555
chr5	1.59E+08	159105379	+	3.708E-09	2.5598E-08	0.212422	hyper	sig	chr5_159105379
chr22	20953298	20953298	+	3.71E-09	2.5612E-08	-0.23945	hypo	sig	chr22_20953298

chr12	50033118	50033118	+	3.711E-09	2.5614E-08	0.249187	hyper	sig	chr12_50033118
chr7	1.5E+08	150372553	+	3.712E-09	2.5625E-08	-0.20568	hypo	sig	chr7_150372553
chr15	79433268	79433268	+	3.717E-09	2.5654E-08	0.221344	hyper	sig	chr15_79433268
chr6	1E+08	100467308	+	3.717E-09	2.5655E-08	0.225129	hyper	sig	chr6_100467308
chr7	1.02E+08	102300652	+	3.718E-09	2.5661E-08	0.255302	hyper	sig	chr7_102300652
chr19	802989	802989	+	3.718E-09	2.5665E-08	0.268161	hyper	sig	chr19_802989
chr5	37834935	37834935	+	3.719E-09	2.5671E-08	0.260388	hyper	sig	chr5_37834935
chr16	561392	561392	+	3.72E-09	2.5676E-08	-0.23184	hypo	sig	chr16_561392
chr15	89415410	89415410	+	3.722E-09	2.5691E-08	-0.26364	hypo	sig	chr15_89415410
chr10	1.19E+08	118595860	+	3.723E-09	2.5695E-08	0.217004	hyper	sig	chr10_118595860
chr1	1460605	1460605	+	3.723E-09	2.5698E-08	-0.23629	hypo	sig	chr1_1460605
chr5	1.75E+08	174732725	+	3.728E-09	2.5729E-08	0.23548	hyper	sig	chr5_174732725
chr2	1.63E+08	163348277	+	3.731E-09	2.575E-08	0.259619	hyper	sig	chr2_163348277
chr19	58043117	58043117	+	3.731E-09	2.5751E-08	0.212489	hyper	sig	chr19_58043117
chr13	1.11E+08	111409608	+	3.734E-09	2.577E-08	-0.22921	hypo	sig	chr13_111409608
chr18	50557591	50557591	+	3.738E-09	2.5794E-08	-0.22551	hypo	sig	chr18_50557591
chr20	419701	419701	+	3.744E-09	2.5832E-08	-0.26299	hypo	sig	chr20_419701
chr16	68235203	68235203	+	3.744E-09	2.5836E-08	-0.23604	hypo	sig	chr16_68235203
chr11	1297679	1297679	+	3.746E-09	2.5849E-08	-0.23287	hypo	sig	chr11_1297679
chr13	1.14E+08	114015439	+	3.748E-09	2.586E-08	-0.20863	hypo	sig	chr13_114015439
chr17	81251879	81251879	+	3.749E-09	2.5869E-08	-0.23696	hypo	sig	chr17_81251879
chr19	17821326	17821326	+	3.75E-09	2.5874E-08	0.290401	hyper	sig	chr19_17821326
chr16	30474234	30474234	+	3.754E-09	2.5903E-08	0.225505	hyper	sig	chr16_30474234
chr5	73381473	73381473	+	3.755E-09	2.5908E-08	0.204097	hyper	sig	chr5_73381473
chr16	29251308	29251308	+	3.759E-09	2.5933E-08	-0.22581	hypo	sig	chr16_29251308
chr7	55449179	55449179	+	3.762E-09	2.5952E-08	0.21364	hyper	sig	chr7_55449179
chr4	1309858	1309858	+	3.763E-09	2.5958E-08	0.222302	hyper	sig	chr4_1309858
chr8	81523245	81523245	+	3.764E-09	2.5967E-08	-0.20774	hypo	sig	chr8_81523245
chr15	90839781	90839781	+	3.766E-09	2.5979E-08	-0.23064	hypo	sig	chr15_90839781
chr3	1.27E+08	127193168	+	3.767E-09	2.5985E-08	-0.22308	hypo	sig	chr3_127193168
chr20	63454475	63454475	+	3.768E-09	2.5995E-08	0.233344	hyper	sig	chr20_63454475
chr17	7589948	7589948	+	3.771E-09	2.601E-08	0.213831	hyper	sig	chr17_7589948
chr19	2865999	2865999	+	3.777E-09	2.6052E-08	-0.22256	hypo	sig	chr19_2865999
chr19	2273181	2273181	+	3.78E-09	2.6069E-08	-0.2199	hypo	sig	chr19_2273181
chr20	45316895	45316895	+	3.786E-09	2.6111E-08	0.365012	hyper	sig	chr20_45316895
chr17	45981394	45981394	+	3.791E-09	2.6144E-08	-0.21866	hypo	sig	chr17_45981394
chr4	1.29E+08	128672767	+	3.792E-09	2.6149E-08	-0.22654	hypo	sig	chr4_128672767
chr4	54101569	54101569	+	3.795E-09	2.6166E-08	0.235856	hyper	sig	chr4_54101569
chr17	31490323	31490323	+	3.803E-09	2.6225E-08	-0.28793	hypo	sig	chr17_31490323
chr15	77696942	77696942	+	3.803E-09	2.6225E-08	-0.22352	hypo	sig	chr15_77696942
chr14	37610991	37610991	+	3.805E-09	2.6236E-08	0.200531	hyper	sig	chr14_37610991
chr1	1.56E+08	156284979	+	3.809E-09	2.6261E-08	-0.25368	hypo	sig	chr1_156284979
chr1	2.47E+08	247079778	+	3.81E-09	2.6268E-08	-0.26087	hypo	sig	chr1_247079778
chr21	44990023	44990023	+	3.813E-09	2.6285E-08	0.209108	hyper	sig	chr21_44990023
chr16	1245373	1245373	+	3.816E-09	2.6308E-08	-0.26438	hypo	sig	chr16_1245373
chr1	3223267	3223267	+	3.82E-09	2.6334E-08	-0.24134	hypo	sig	chr1_3223267
chr10	6179026	6179026	+	3.821E-09	2.634E-08	0.225888	hyper	sig	chr10_6179026
chr2	1.13E+08	113235461	+	3.822E-09	2.6346E-08	-0.23078	hypo	sig	chr2_113235461
chr5	1.41E+08	140672950	+	3.824E-09	2.6361E-08	0.245875	hyper	sig	chr5_140672950
chr8	1076619	1076619	+	3.826E-09	2.6375E-08	-0.27454	hypo	sig	chr8_1076619
chr11	1460584	1460584	+	3.828E-09	2.6383E-08	0.228947	hyper	sig	chr11_1460584
chr11	22432831	22432831	+	3.828E-09	2.6384E-08	0.242372	hyper	sig	chr11_22432831
chr2	2.08E+08	207926814	+	3.832E-09	2.6411E-08	0.223583	hyper	sig	chr2_207926814
chr19	12295432	12295432	+	3.834E-09	2.6426E-08	0.201384	hyper	sig	chr19_12295432
chr18	77056085	77056085	+	3.837E-09	2.6444E-08	-0.23472	hypo	sig	chr18_77056085
chr17	39633297	39633297	+	3.843E-09	2.6484E-08	-0.21839	hypo	sig	chr17_39633297

chr1	1.55E+08	154869504	+	3.844E-09	2.6494E-08	0.201552	hyper	sig	chr1_154869504
chr13	50127773	50127773	+	3.845E-09	2.6495E-08	0.230576	hyper	sig	chr13_50127773
chr9	97038575	97038575	+	3.846E-09	2.6504E-08	0.214301	hyper	sig	chr9_97038575
chr11	65047605	65047605	+	3.848E-09	2.6515E-08	0.278304	hyper	sig	chr11_65047605
chr14	64542001	64542001	+	3.853E-09	2.6551E-08	0.232457	hyper	sig	chr14_64542001
chr7	18087565	18087565	+	3.853E-09	2.6551E-08	0.241403	hyper	sig	chr7_18087565
chr2	2.22E+08	222303738	+	3.858E-09	2.6583E-08	0.209073	hyper	sig	chr2_222303738
chr7	1705627	1705627	+	3.86E-09	2.6598E-08	-0.25844	hypo	sig	chr7_1705627
chr7	1.59E+08	158992923	+	3.864E-09	2.6623E-08	0.207325	hyper	sig	chr7_158992923
chr11	70365302	70365302	+	3.866E-09	2.6637E-08	-0.20606	hypo	sig	chr11_70365302
chr9	42975014	42975014	+	3.869E-09	2.6656E-08	0.280804	hyper	sig	chr9_42975014
chr17	79925838	79925838	+	3.871E-09	2.6669E-08	-0.24697	hypo	sig	chr17_79925838
chr5	1.13E+08	113433573	+	3.871E-09	2.667E-08	-0.30559	hypo	sig	chr5_113433573
chr7	27249879	27249879	+	3.882E-09	2.6738E-08	0.242572	hyper	sig	chr7_27249879
chr8	1.25E+08	124999592	+	3.882E-09	2.6742E-08	-0.23285	hypo	sig	chr8_124999592
chr10	1.19E+08	118595617	+	3.889E-09	2.6786E-08	0.206113	hyper	sig	chr10_118595617
chr19	2511703	2511703	+	3.892E-09	2.6807E-08	-0.21464	hypo	sig	chr19_2511703
chr1	3037758	3037758	+	3.894E-09	2.6819E-08	-0.27818	hypo	sig	chr1_3037758
chr16	29218725	29218725	+	3.896E-09	2.6833E-08	-0.24239	hypo	sig	chr16_29218725
chr1	32181257	32181257	+	3.896E-09	2.6835E-08	0.207635	hyper	sig	chr1_32181257
chr16	3498171	3498171	+	3.897E-09	2.6839E-08	-0.21646	hypo	sig	chr16_3498171
chr1	22680460	22680460	+	3.898E-09	2.6844E-08	-0.23678	hypo	sig	chr1_22680460
chr1	42785009	42785009	+	3.899E-09	2.6854E-08	0.255019	hyper	sig	chr1_42785009
chr19	49528159	49528159	+	3.902E-09	2.6873E-08	0.204936	hyper	sig	chr19_49528159
chr20	63499907	63499907	+	3.904E-09	2.6887E-08	0.237342	hyper	sig	chr20_63499907
chr1	1.51E+08	151145779	+	3.907E-09	2.6906E-08	0.231105	hyper	sig	chr1_151145779
chr3	49553654	49553654	+	3.91E-09	2.6925E-08	0.213897	hyper	sig	chr3_49553654
chr7	43119189	43119189	+	3.913E-09	2.6943E-08	-0.26118	hypo	sig	chr7_43119189
chr11	62547474	62547474	+	3.915E-09	2.696E-08	0.204596	hyper	sig	chr11_62547474
chr11	64341430	64341430	+	3.916E-09	2.6965E-08	0.221098	hyper	sig	chr11_64341430
chr7	1.59E+08	158977550	+	3.918E-09	2.6973E-08	-0.20781	hypo	sig	chr7_158977550
chr19	42246423	42246423	+	3.919E-09	2.6985E-08	0.21031	hyper	sig	chr19_42246423
chr17	42672204	42672204	+	3.921E-09	2.6994E-08	0.235551	hyper	sig	chr17_42672204
chr16	3184258	3184258	+	3.922E-09	2.6999E-08	0.228348	hyper	sig	chr16_3184258
chr6	28633580	28633580	+	3.922E-09	2.7001E-08	0.256143	hyper	sig	chr6_28633580
chr8	1.44E+08	143891477	+	3.923E-09	2.7006E-08	-0.20596	hypo	sig	chr8_143891477
chr17	76530139	76530139	+	3.923E-09	2.7007E-08	0.230079	hyper	sig	chr17_76530139
chr19	815107	815107	+	3.924E-09	2.7016E-08	-0.21783	hypo	sig	chr19_815107
chr15	69468655	69468655	+	3.924E-09	2.7017E-08	-0.20509	hypo	sig	chr15_69468655
chr22	10743942	10743942	+	3.926E-09	2.7025E-08	-0.22904	hypo	sig	chr22_10743942
chr11	69655118	69655118	+	3.931E-09	2.7059E-08	-0.2093	hypo	sig	chr11_69655118
chr2	2.42E+08	241946696	+	3.932E-09	2.7069E-08	-0.21166	hypo	sig	chr2_241946696
chr3	9395266	9395266	+	3.935E-09	2.7089E-08	0.214343	hyper	sig	chr3_9395266
chr17	82321100	82321100	+	3.935E-09	2.7089E-08	-0.23236	hypo	sig	chr17_82321100
chr5	1.58E+08	157987381	+	3.941E-09	2.7125E-08	0.221857	hyper	sig	chr5_157987381
chr3	1.25E+08	124885683	+	3.943E-09	2.7138E-08	0.208051	hyper	sig	chr3_124885683
chr8	55102562	55102562	+	3.945E-09	2.7155E-08	0.206615	hyper	sig	chr8_55102562
chr17	83075693	83075693	+	3.946E-09	2.7161E-08	-0.24435	hypo	sig	chr17_83075693
chr10	1.19E+08	118596231	+	3.948E-09	2.7176E-08	0.23983	hyper	sig	chr10_118596231
chr2	1687390	1687390	+	3.952E-09	2.7198E-08	-0.22443	hypo	sig	chr2_1687390
chr14	1.06E+08	105668738	+	3.956E-09	2.7223E-08	-0.20586	hypo	sig	chr14_105668738
chr7	1.58E+08	158077316	+	3.956E-09	2.7223E-08	0.215908	hyper	sig	chr7_158077316
chr7	4690313	4690313	+	3.956E-09	2.7226E-08	0.231431	hyper	sig	chr7_4690313
chr2	1.01E+08	101306558	+	3.959E-09	2.7243E-08	-0.20756	hypo	sig	chr2_101306558
chr16	84505237	84505237	+	3.959E-09	2.7248E-08	0.237311	hyper	sig	chr16_84505237
chr11	1025978	1025978	+	3.96E-09	2.7253E-08	-0.21789	hypo	sig	chr11_1025978

chr6	35498216	35498216	+	3.962E-09	2.7265E-08	0.202161	hyper	sig	chr6_35498216
chr2	94998653	94998653	+	3.963E-09	2.7269E-08	0.284144	hyper	sig	chr2_94998653
chr17	44210865	44210865	+	3.965E-09	2.7284E-08	0.227393	hyper	sig	chr17_44210865
chr6	70282764	70282764	+	3.966E-09	2.7288E-08	0.212161	hyper	sig	chr6_70282764
chr16	30445163	30445163	+	3.97E-09	2.7317E-08	-0.23539	hypo	sig	chr16_30445163
chr17	80501842	80501842	+	3.972E-09	2.7329E-08	0.311246	hyper	sig	chr17_80501842
chr8	1282047	1282047	+	3.974E-09	2.7345E-08	-0.22079	hypo	sig	chr8_1282047
chr10	22477280	22477280	+	3.975E-09	2.7351E-08	0.251435	hyper	sig	chr10_22477280
chr5	1.4E+08	139793267	+	3.976E-09	2.7357E-08	-0.24375	hypo	sig	chr5_139793267
chr17	42155605	42155605	+	3.98E-09	2.7381E-08	0.208742	hyper	sig	chr17_42155605
chr16	2299859	2299859	+	3.986E-09	2.7421E-08	-0.25169	hypo	sig	chr16_2299859
chr19	10085238	10085238	+	3.987E-09	2.7427E-08	0.212131	hyper	sig	chr19_10085238
chr11	1005308	1005308	+	3.988E-09	2.7433E-08	-0.24383	hypo	sig	chr11_1005308
chr10	1.03E+08	102919701	+	3.991E-09	2.7452E-08	0.245502	hyper	sig	chr10_102919701
chr19	48966416	48966416	+	3.992E-09	2.7463E-08	-0.218	hypo	sig	chr19_48966416
chr19	56642727	56642727	+	3.993E-09	2.7469E-08	0.212667	hyper	sig	chr19_56642727
chr5	1.79E+08	179223977	+	3.995E-09	2.748E-08	-0.28232	hypo	sig	chr5_179223977
chr8	1.4E+08	139703029	+	3.997E-09	2.7496E-08	0.202959	hyper	sig	chr8_139703029
chr7	1.29E+08	128910848	+	3.999E-09	2.7508E-08	0.23073	hyper	sig	chr7_128910848
chr15	69462439	69462439	+	4.001E-09	2.7518E-08	-0.22979	hypo	sig	chr15_69462439
chr17	42852619	42852619	+	4.002E-09	2.7525E-08	0.233726	hyper	sig	chr17_42852619
chr9	1.33E+08	132581105	+	4.006E-09	2.7556E-08	0.259341	hyper	sig	chr9_132581105
chr20	63007044	63007044	+	4.007E-09	2.7559E-08	0.225144	hyper	sig	chr20_63007044
chr5	1.41E+08	141097145	+	4.007E-09	2.7559E-08	0.222162	hyper	sig	chr5_141097145
chr20	49910123	49910123	+	4.008E-09	2.7564E-08	-0.22146	hypo	sig	chr20_49910123
chr4	7773139	7773139	+	4.008E-09	2.7564E-08	0.203514	hyper	sig	chr4_7773139
chr10	1.28E+08	127906669	+	4.011E-09	2.7585E-08	-0.21541	hypo	sig	chr10_127906669
chr16	268639	268639	+	4.012E-09	2.759E-08	-0.25622	hypo	sig	chr16_268639
chr16	66403076	66403076	+	4.015E-09	2.7613E-08	-0.21778	hypo	sig	chr16_66403076
chr15	1.02E+08	101653247	+	4.018E-09	2.7634E-08	-0.2307	hypo	sig	chr15_101653247
chr20	62216219	62216219	+	4.027E-09	2.7693E-08	-0.2229	hypo	sig	chr20_62216219
chr8	1.45E+08	144500286	+	4.03E-09	2.7713E-08	0.213562	hyper	sig	chr8_144500286
chr7	1.57E+08	157006151	+	4.037E-09	2.7758E-08	0.273853	hyper	sig	chr7_157006151
chr5	1.2E+08	120465277	+	4.04E-09	2.7774E-08	0.245597	hyper	sig	chr5_120465277
chr19	39308451	39308451	+	4.042E-09	2.7786E-08	0.200822	hyper	sig	chr19_39308451
chr4	107991	107991	+	4.049E-09	2.7832E-08	0.257738	hyper	sig	chr4_107991
chr19	48729351	48729351	+	4.051E-09	2.7845E-08	0.22787	hyper	sig	chr19_48729351
chr4	7782113	7782113	+	4.052E-09	2.7857E-08	0.217196	hyper	sig	chr4_7782113
chr17	78879951	78879951	+	4.053E-09	2.7859E-08	0.233889	hyper	sig	chr17_78879951
chr1	54781614	54781614	+	4.053E-09	2.7861E-08	0.23705	hyper	sig	chr1_54781614
chr13	1.14E+08	113548469	+	4.055E-09	2.787E-08	0.20179	hyper	sig	chr13_113548469
chr15	1.01E+08	100880526	+	4.058E-09	2.7893E-08	0.208955	hyper	sig	chr15_100880526
chr5	1.41E+08	141421834	+	4.062E-09	2.792E-08	0.207451	hyper	sig	chr5_141421834
chr7	97023923	97023923	+	4.064E-09	2.7933E-08	0.228179	hyper	sig	chr7_97023923
chr7	1700794	1700794	+	4.064E-09	2.7934E-08	-0.22827	hypo	sig	chr7_1700794
chr16	87278360	87278360	+	4.067E-09	2.7953E-08	-0.22502	hypo	sig	chr16_87278360
chr10	75238443	75238443	+	4.071E-09	2.7974E-08	-0.21899	hypo	sig	chr10_75238443
chr18	37484935	37484935	+	4.074E-09	2.7997E-08	0.262036	hyper	sig	chr18_37484935
chr20	38726637	38726637	+	4.076E-09	2.8008E-08	0.234315	hyper	sig	chr20_38726637
chr5	1.41E+08	140835616	+	4.076E-09	2.801E-08	0.211259	hyper	sig	chr5_140835616
chr2	1.61E+08	161424673	+	4.077E-09	2.8013E-08	0.220965	hyper	sig	chr2_161424673
chr16	87765104	87765104	+	4.083E-09	2.8055E-08	-0.20092	hypo	sig	chr16_87765104
chr5	1.78E+08	178465735	+	4.083E-09	2.8057E-08	-0.24504	hypo	sig	chr5_178465735
chr12	53492454	53492454	+	4.084E-09	2.806E-08	0.25132	hyper	sig	chr12_53492454
chr22	39646557	39646557	+	4.088E-09	2.8085E-08	-0.24452	hypo	sig	chr22_39646557
chr16	88442636	88442636	+	4.091E-09	2.811E-08	-0.2587	hypo	sig	chr16_88442636

chr2	1.45E+08	144524640	+	4.093E-09	2.8124E-08	0.218725	hyper	sig	chr2_144524640
chr2	99597947	99597947	+	4.098E-09	2.8156E-08	-0.20725	hypo	sig	chr2_99597947
chr16	1146591	1146591	+	4.099E-09	2.8157E-08	-0.29114	hypo	sig	chr16_1146591
chr22	30266824	30266824	+	4.099E-09	2.816E-08	-0.22869	hypo	sig	chr22_30266824
chr7	73829743	73829743	+	4.1E-09	2.8169E-08	-0.24977	hypo	sig	chr7_73829743
chr12	1.14E+08	114447847	+	4.103E-09	2.8184E-08	0.20065	hyper	sig	chr12_114447847
chr2	89583654	89583654	+	4.103E-09	2.8185E-08	-0.24059	hypo	sig	chr2_89583654
chr19	41219402	41219402	+	4.116E-09	2.8272E-08	0.208496	hyper	sig	chr19_41219402
chr2	95350088	95350088	+	4.118E-09	2.8284E-08	-0.20087	hypo	sig	chr2_95350088
chr9	1.28E+08	128409004	+	4.12E-09	2.8299E-08	0.253637	hyper	sig	chr9_128409004
chr8	38770352	38770352	+	4.121E-09	2.8306E-08	0.273672	hyper	sig	chr8_38770352
chr1	2.1E+08	209937653	+	4.124E-09	2.8323E-08	0.236965	hyper	sig	chr1_209937653
chr2	2.32E+08	232409879	+	4.125E-09	2.833E-08	0.238516	hyper	sig	chr2_232409879
chr17	1223858	1223858	+	4.126E-09	2.8335E-08	0.245008	hyper	sig	chr17_1223858
chr3	1.3E+08	129542843	+	4.127E-09	2.8342E-08	-0.23465	hypo	sig	chr3_129542843
chr4	9381055	9381055	+	4.13E-09	2.836E-08	-0.2173	hypo	sig	chr4_9381055
chr3	1.3E+08	130010831	+	4.131E-09	2.8368E-08	-0.20204	hypo	sig	chr3_130010831
chr12	4115749	4115749	+	4.145E-09	2.8459E-08	-0.23051	hypo	sig	chr12_4115749
chr16	56663300	56663300	+	4.147E-09	2.8473E-08	0.393597	hyper	sig	chr16_56663300
chr9	1.33E+08	133205705	+	4.148E-09	2.848E-08	-0.20803	hypo	sig	chr9_133205705
chr1	41386102	41386102	+	4.15E-09	2.8494E-08	0.314007	hyper	sig	chr1_41386102
chr14	60655390	60655390	+	4.151E-09	2.85E-08	0.273809	hyper	sig	chr14_60655390
chr2	25204282	25204282	+	4.154E-09	2.8524E-08	0.247842	hyper	sig	chr2_25204282
chr11	2909277	2909277	+	4.155E-09	2.8527E-08	0.247753	hyper	sig	chr11_2909277
chr2	2.18E+08	218382198	+	4.158E-09	2.8545E-08	-0.28273	hypo	sig	chr2_218382198
chr16	1011085	1011085	+	4.161E-09	2.8567E-08	-0.214	hypo	sig	chr16_1011085
chr3	49906703	49906703	+	4.161E-09	2.8569E-08	-0.21784	hypo	sig	chr3_49906703
chr1	3111666	3111666	+	4.162E-09	2.8573E-08	0.258088	hyper	sig	chr1_3111666
chr11	626686	626686	+	4.165E-09	2.8591E-08	0.218176	hyper	sig	chr11_626686
chr4	1369467	1369467	+	4.169E-09	2.8617E-08	0.243423	hyper	sig	chr4_1369467
chr22	50544986	50544986	+	4.169E-09	2.8621E-08	-0.24334	hypo	sig	chr22_50544986
chr2	63054709	63054709	+	4.173E-09	2.8646E-08	0.217196	hyper	sig	chr2_63054709
chr22	42647176	42647176	+	4.173E-09	2.8647E-08	0.207929	hyper	sig	chr22_42647176
chr4	1.55E+08	154781923	+	4.177E-09	2.8669E-08	0.213701	hyper	sig	chr4_154781923
chr16	54291246	54291246	+	4.178E-09	2.8677E-08	0.219673	hyper	sig	chr16_54291246
chr15	78757311	78757311	+	4.182E-09	2.8703E-08	-0.22123	hypo	sig	chr15_78757311
chr16	68745047	68745047	+	4.184E-09	2.8715E-08	-0.21048	hypo	sig	chr16_68745047
chr16	84025791	84025791	+	4.187E-09	2.8736E-08	-0.21415	hypo	sig	chr16_84025791
chr13	1.14E+08	114005622	+	4.194E-09	2.878E-08	-0.23225	hypo	sig	chr13_114005622
chr3	1.26E+08	125756244	+	4.195E-09	2.8787E-08	-0.2198	hypo	sig	chr3_125756244
chr1	1.12E+08	111981883	+	4.195E-09	2.8787E-08	-0.23277	hypo	sig	chr1_111981883
chr1	1.57E+08	156642579	+	4.196E-09	2.8793E-08	0.259416	hyper	sig	chr1_156642579
chr7	73768002	73768002	+	4.198E-09	2.8808E-08	-0.24631	hypo	sig	chr7_73768002
chr5	1.41E+08	141365767	+	4.201E-09	2.8827E-08	0.21026	hyper	sig	chr5_141365767
chr7	64942691	64942691	+	4.201E-09	2.8827E-08	0.201165	hyper	sig	chr7_64942691
chr9	6644407	6644407	+	4.202E-09	2.8834E-08	0.294135	hyper	sig	chr9_6644407
chr1	1.83E+08	182952752	+	4.202E-09	2.8834E-08	0.292649	hyper	sig	chr1_182952752
chr19	45553856	45553856	+	4.213E-09	2.8904E-08	0.27191	hyper	sig	chr19_45553856
chr17	42155581	42155581	+	4.213E-09	2.8904E-08	0.231775	hyper	sig	chr17_42155581
chr12	56951623	56951623	+	4.214E-09	2.8911E-08	-0.24764	hypo	sig	chr12_56951623
chr1	2.47E+08	247008536	+	4.218E-09	2.8936E-08	-0.21499	hypo	sig	chr1_247008536
chr10	1.17E+08	117132700	+	4.219E-09	2.8946E-08	0.213396	hyper	sig	chr10_117132700
chr7	1158848	1158848	+	4.222E-09	2.8964E-08	-0.2545	hypo	sig	chr7_1158848
chr7	2700659	2700659	+	4.222E-09	2.8966E-08	-0.22455	hypo	sig	chr7_2700659
chr9	1.36E+08	136122847	+	4.224E-09	2.8975E-08	0.217981	hyper	sig	chr9_136122847
chr2	86790220	86790220	+	4.224E-09	2.8978E-08	0.23975	hyper	sig	chr2_86790220

chr1	2137623	2137623	+	4.228E-09	2.9005E-08	-0.23625	hypo	sig	chr1_2137623
chr10	1.2E+08	119536463	+	4.231E-09	2.9019E-08	0.200751	hyper	sig	chr10_119536463
chr14	53952114	53952114	+	4.237E-09	2.906E-08	0.204493	hyper	sig	chr14_53952114
chr1	53576116	53576116	+	4.241E-09	2.9089E-08	-0.21864	hypo	sig	chr1_53576116
chr13	20394797	20394797	+	4.243E-09	2.9102E-08	0.229195	hyper	sig	chr13_20394797
chr8	1.42E+08	142252572	+	4.247E-09	2.9127E-08	-0.25294	hypo	sig	chr8_142252572
chr5	3593682	3593682	+	4.251E-09	2.9156E-08	0.212482	hyper	sig	chr5_3593682
chr3	96777122	96777122	+	4.252E-09	2.916E-08	0.207472	hyper	sig	chr3_96777122
chr2	2.27E+08	226798039	+	4.254E-09	2.917E-08	0.263653	hyper	sig	chr2_226798039
chr11	22432836	22432836	+	4.254E-09	2.9171E-08	0.237091	hyper	sig	chr11_22432836
chr1	9538962	9538962	+	4.254E-09	2.9172E-08	-0.25754	hypo	sig	chr1_9538962
chr15	82648703	82648703	+	4.254E-09	2.9175E-08	0.224952	hyper	sig	chr15_82648703
chr8	733183	733183	+	4.255E-09	2.918E-08	-0.22398	hypo	sig	chr8_733183
chr7	73831483	73831483	+	4.257E-09	2.919E-08	-0.21013	hypo	sig	chr7_73831483
chr14	73234131	73234131	+	4.258E-09	2.92E-08	-0.20252	hypo	sig	chr14_73234131
chr2	2.19E+08	219250513	+	4.26E-09	2.9212E-08	-0.20262	hypo	sig	chr2_219250513
chr8	73297258	73297258	+	4.261E-09	2.9216E-08	-0.21148	hypo	sig	chr8_73297258
chr3	1.7E+08	169659942	+	4.266E-09	2.9249E-08	0.214813	hyper	sig	chr3_169659942
chr1	2449839	2449839	+	4.267E-09	2.9256E-08	-0.24164	hypo	sig	chr1_2449839
chr20	62350179	62350179	+	4.271E-09	2.9285E-08	-0.24873	hypo	sig	chr20_62350179
chr7	1.58E+08	157833005	+	4.283E-09	2.9362E-08	-0.2164	hypo	sig	chr7_157833005
chr1	41920043	41920043	+	4.284E-09	2.9371E-08	-0.2197	hypo	sig	chr1_41920043
chr10	1.33E+08	132797443	+	4.289E-09	2.9404E-08	-0.25185	hypo	sig	chr10_132797443
chr11	1305224	1305224	+	4.292E-09	2.9421E-08	-0.22551	hypo	sig	chr11_1305224
chr11	49561435	49561435	+	4.293E-09	2.9429E-08	0.217491	hyper	sig	chr11_49561435
chr7	1.58E+08	157683841	+	4.294E-09	2.9432E-08	0.225986	hyper	sig	chr7_157683841
chr17	897535	897535	+	4.294E-09	2.9433E-08	-0.20083	hypo	sig	chr17_897535
chr2	48617753	48617753	+	4.299E-09	2.9465E-08	-0.21651	hypo	sig	chr2_48617753
chr16	54594811	54594811	+	4.302E-09	2.9488E-08	0.25817	hyper	sig	chr16_54594811
chr3	1.26E+08	125756242	+	4.302E-09	2.9489E-08	-0.2206	hypo	sig	chr3_125756242
chr11	16611157	16611157	+	4.303E-09	2.9491E-08	0.231116	hyper	sig	chr11_16611157
chr22	50482622	50482622	+	4.304E-09	2.9499E-08	0.234461	hyper	sig	chr22_50482622
chr13	1.12E+08	111558718	+	4.305E-09	2.9506E-08	-0.20652	hypo	sig	chr13_111558718
chr19	1399258	1399258	+	4.305E-09	2.9508E-08	-0.2125	hypo	sig	chr19_1399258
chr7	51901503	51901503	+	4.307E-09	2.9515E-08	-0.25494	hypo	sig	chr7_51901503
chr16	57528834	57528834	+	4.313E-09	2.9556E-08	-0.23023	hypo	sig	chr16_57528834
chr2	2.42E+08	242012297	+	4.321E-09	2.9611E-08	-0.2265	hypo	sig	chr2_242012297
chr6	10411164	10411164	+	4.322E-09	2.962E-08	0.215634	hyper	sig	chr6_10411164
chr11	44853825	44853825	+	4.328E-09	2.9654E-08	0.235238	hyper	sig	chr11_44853825
chr2	2.39E+08	239247311	+	4.328E-09	2.9657E-08	-0.20304	hypo	sig	chr2_239247311
chr16	324501	324501	+	4.331E-09	2.9675E-08	-0.21314	hypo	sig	chr16_324501
chr1	13584310	13584310	+	4.335E-09	2.9699E-08	0.207182	hyper	sig	chr1_13584310
chr9	93947509	93947509	+	4.339E-09	2.9726E-08	0.213617	hyper	sig	chr9_93947509
chr20	29427513	29427513	+	4.34E-09	2.9736E-08	-0.27117	hypo	sig	chr20_29427513
chr17	16690351	16690351	+	4.342E-09	2.9745E-08	0.221293	hyper	sig	chr17_16690351
chr20	62466220	62466220	+	4.343E-09	2.9751E-08	-0.20785	hypo	sig	chr20_62466220
chr12	1.27E+08	127146254	+	4.347E-09	2.9778E-08	0.206786	hyper	sig	chr12_127146254
chr7	5608337	5608337	+	4.347E-09	2.978E-08	-0.24066	hypo	sig	chr7_5608337
chr8	1.44E+08	143974263	+	4.348E-09	2.9786E-08	0.224209	hyper	sig	chr8_143974263
chr12	34292842	34292842	+	4.35E-09	2.98E-08	-0.24043	hypo	sig	chr12_34292842
chr11	59063124	59063124	+	4.352E-09	2.9808E-08	0.220518	hyper	sig	chr11_59063124
chr1	1.56E+08	155942778	+	4.353E-09	2.9815E-08	-0.21944	hypo	sig	chr1_155942778
chr2	38960618	38960618	+	4.355E-09	2.9831E-08	0.244952	hyper	sig	chr2_38960618
chr10	86381213	86381213	+	4.359E-09	2.9859E-08	-0.20352	hypo	sig	chr10_86381213
chr11	65872255	65872255	+	4.364E-09	2.9889E-08	0.282304	hyper	sig	chr11_65872255
chr5	1.41E+08	141210382	+	4.367E-09	2.991E-08	0.251721	hyper	sig	chr5_141210382

chr10	1.01E+08	100735266	+	4.37E-09	2.9928E-08	0.274305	hyper	sig	chr10_100735266
chr1	58814817	58814817	+	4.373E-09	2.9949E-08	-0.21342	hypo	sig	chr1_58814817
chr10	1.33E+08	132806676	+	4.375E-09	2.9965E-08	-0.23679	hypo	sig	chr10_132806676
chr5	1.42E+08	141854274	+	4.38E-09	2.9998E-08	0.208897	hyper	sig	chr5_141854274
chr3	1.6E+08	160224456	+	4.385E-09	3.0031E-08	-0.21207	hypo	sig	chr3_160224456
chr22	26757052	26757052	+	4.386E-09	3.0035E-08	0.225788	hyper	sig	chr22_26757052
chr7	1.28E+08	128267831	+	4.388E-09	3.0046E-08	0.250633	hyper	sig	chr7_128267831
chr1	1.19E+08	118984881	+	4.392E-09	3.0078E-08	0.229199	hyper	sig	chr1_118984881
chr1	16859839	16859839	+	4.392E-09	3.0078E-08	0.266261	hyper	sig	chr1_16859839
chr19	50627060	50627060	+	4.396E-09	3.0104E-08	-0.20287	hypo	sig	chr19_50627060
chr7	74209307	74209307	+	4.396E-09	3.0105E-08	-0.23516	hypo	sig	chr7_74209307
chr2	96762342	96762342	+	4.401E-09	3.0132E-08	-0.24353	hypo	sig	chr2_96762342
chr15	67824910	67824910	+	4.401E-09	3.0134E-08	0.2051	hyper	sig	chr15_67824910
chr5	1.55E+08	154938604	+	4.405E-09	3.0163E-08	-0.23726	hypo	sig	chr5_154938604
chr16	1483712	1483712	+	4.407E-09	3.017E-08	-0.26128	hypo	sig	chr16_1483712
chr12	47811756	47811756	+	4.41E-09	3.0193E-08	0.207618	hyper	sig	chr12_47811756
chr10	1.31E+08	131311009	+	4.411E-09	3.0199E-08	0.205201	hyper	sig	chr10_131311009
chr1	2.05E+08	204980524	+	4.418E-09	3.0247E-08	-0.25923	hypo	sig	chr1_204980524
chr17	83075661	83075661	+	4.421E-09	3.0267E-08	-0.23672	hypo	sig	chr17_83075661
chr10	23174453	23174453	+	4.433E-09	3.0344E-08	0.213376	hyper	sig	chr10_23174453
chr17	42039782	42039782	+	4.435E-09	3.0354E-08	0.306444	hyper	sig	chr17_42039782
chr9	1.33E+08	132878996	+	4.435E-09	3.0354E-08	0.256635	hyper	sig	chr9_132878996
chr19	53941174	53941174	+	4.438E-09	3.0375E-08	-0.22224	hypo	sig	chr19_53941174
chr13	1.12E+08	112107513	+	4.441E-09	3.0393E-08	0.227318	hyper	sig	chr13_112107513
chr5	320708	320708	+	4.448E-09	3.044E-08	0.204411	hyper	sig	chr5_320708
chr5	3590632	3590632	+	4.448E-09	3.0442E-08	0.260455	hyper	sig	chr5_3590632
chr9	1.36E+08	135778904	+	4.45E-09	3.0451E-08	-0.22205	hypo	sig	chr9_135778904
chr20	56625986	56625986	+	4.455E-09	3.0486E-08	0.26352	hyper	sig	chr20_56625986
chr7	1.58E+08	157669901	+	4.455E-09	3.0488E-08	-0.23761	hypo	sig	chr7_157669901
chr16	68447592	68447592	+	4.456E-09	3.0495E-08	0.317834	hyper	sig	chr16_68447592
chr17	9017796	9017796	+	4.459E-09	3.0511E-08	-0.22361	hypo	sig	chr17_9017796
chr22	37024253	37024253	+	4.466E-09	3.0556E-08	-0.27084	hypo	sig	chr22_37024253
chr15	39584146	39584146	+	4.467E-09	3.0564E-08	0.204359	hyper	sig	chr15_39584146
chr3	22372450	22372450	+	4.468E-09	3.0573E-08	0.278086	hyper	sig	chr3_22372450
chr13	98173797	98173797	+	4.474E-09	3.0613E-08	0.254889	hyper	sig	chr13_98173797
chr21	45642623	45642623	+	4.475E-09	3.0613E-08	0.22314	hyper	sig	chr21_45642623
chr7	4862062	4862062	+	4.481E-09	3.0654E-08	0.259773	hyper	sig	chr7_4862062
chr10	42475190	42475190	+	4.482E-09	3.0663E-08	-0.24859	hypo	sig	chr10_42475190
chr4	8601512	8601512	+	4.483E-09	3.0668E-08	-0.28512	hypo	sig	chr4_8601512
chr11	724574	724574	+	4.484E-09	3.0675E-08	0.227526	hyper	sig	chr11_724574
chr4	26804781	26804781	+	4.485E-09	3.0679E-08	0.245524	hyper	sig	chr4_26804781
chr20	419768	419768	+	4.487E-09	3.0696E-08	-0.22149	hypo	sig	chr20_419768
chr22	42367809	42367809	+	4.488E-09	3.07E-08	-0.2002	hypo	sig	chr22_42367809
chr12	1.31E+08	130649061	+	4.49E-09	3.0715E-08	-0.22213	hypo	sig	chr12_130649061
chr7	65771342	65771342	+	4.492E-09	3.0727E-08	-0.23073	hypo	sig	chr7_65771342
chr3	49030033	49030033	+	4.493E-09	3.0737E-08	-0.20448	hypo	sig	chr3_49030033
chr5	1.35E+08	135050493	+	4.494E-09	3.0739E-08	0.253585	hyper	sig	chr5_135050493
chr6	1.23E+08	122996391	+	4.496E-09	3.0752E-08	0.206725	hyper	sig	chr6_122996391
chr1	19815131	19815131	+	4.498E-09	3.0764E-08	-0.21117	hypo	sig	chr1_19815131
chr1	2.03E+08	203087301	+	4.502E-09	3.0787E-08	-0.22731	hypo	sig	chr1_203087301
chr19	41886446	41886446	+	4.508E-09	3.0831E-08	-0.21466	hypo	sig	chr19_41886446
chr7	1.41E+08	140527543	+	4.517E-09	3.0888E-08	-0.22424	hypo	sig	chr7_140527543
chr20	41362332	41362332	+	4.518E-09	3.0897E-08	-0.20215	hypo	sig	chr20_41362332
chr6	70564582	70564582	+	4.518E-09	3.0897E-08	-0.221	hypo	sig	chr6_70564582
chr15	88615271	88615271	+	4.52E-09	3.0908E-08	-0.31665	hypo	sig	chr15_88615271
chr5	1.41E+08	140843387	+	4.521E-09	3.0917E-08	0.239187	hyper	sig	chr5_140843387

chr10	1.33E+08	132508184	+	4.524E-09	3.0931E-08	0.228671	hyper	sig	chr10_132508184
chr22	17842766	17842766	+	4.524E-09	3.0932E-08	-0.21318	hypo	sig	chr22_17842766
chr19	12648178	12648178	+	4.524E-09	3.0935E-08	0.229487	hyper	sig	chr19_12648178
chr1	1.1E+08	110068218	+	4.525E-09	3.0942E-08	0.2715	hyper	sig	chr1_110068218
chr14	61832186	61832186	+	4.529E-09	3.0966E-08	-0.20278	hypo	sig	chr14_61832186
chr1	2459210	2459210	+	4.537E-09	3.1019E-08	-0.23922	hypo	sig	chr1_2459210
chr11	1.29E+08	128824190	+	4.539E-09	3.1034E-08	0.231402	hyper	sig	chr11_128824190
chr12	53975763	53975763	+	4.54E-09	3.1039E-08	0.225157	hyper	sig	chr12_53975763
chr4	1.47E+08	147481047	+	4.557E-09	3.1146E-08	0.306212	hyper	sig	chr4_147481047
chr2	2.41E+08	240519647	+	4.557E-09	3.1148E-08	0.305498	hyper	sig	chr2_240519647
chr3	28575191	28575191	+	4.564E-09	3.1196E-08	0.296298	hyper	sig	chr3_28575191
chr17	1006060	1006060	+	4.567E-09	3.1213E-08	0.221969	hyper	sig	chr17_1006060
chr6	28259233	28259233	+	4.575E-09	3.1262E-08	0.221593	hyper	sig	chr6_28259233
chr6	1.34E+08	134115576	+	4.579E-09	3.1288E-08	0.287603	hyper	sig	chr6_134115576
chr11	1748347	1748347	+	4.579E-09	3.1289E-08	0.24005	hyper	sig	chr11_1748347
chr2	2.36E+08	235614774	+	4.583E-09	3.1315E-08	-0.21071	hypo	sig	chr2_235614774
chr8	9898309	9898309	+	4.586E-09	3.1339E-08	0.22301	hyper	sig	chr8_9898309
chr4	7986193	7986193	+	4.589E-09	3.1355E-08	-0.20134	hypo	sig	chr4_7986193
chr1	54996953	54996953	+	4.59E-09	3.1363E-08	0.222036	hyper	sig	chr1_54996953
chr5	1.41E+08	140842662	+	4.598E-09	3.1416E-08	0.205596	hyper	sig	chr5_140842662
chr4	5020038	5020038	+	4.599E-09	3.1423E-08	-0.20262	hypo	sig	chr4_5020038
chr3	1.58E+08	158095513	+	4.605E-09	3.146E-08	0.265662	hyper	sig	chr3_158095513
chr1	1.1E+08	110068893	+	4.611E-09	3.1501E-08	0.212403	hyper	sig	chr1_110068893
chr5	1107162	1107162	+	4.611E-09	3.1501E-08	-0.27454	hypo	sig	chr5_1107162
chr22	48499846	48499846	+	4.613E-09	3.1514E-08	-0.28907	hypo	sig	chr22_48499846
chr5	1549290	1549290	+	4.62E-09	3.1558E-08	-0.26892	hypo	sig	chr5_1549290
chr19	40554652	40554652	+	4.624E-09	3.1585E-08	0.202779	hyper	sig	chr19_40554652
chr16	88063381	88063381	+	4.626E-09	3.1596E-08	0.21313	hyper	sig	chr16_88063381
chr1	8348692	8348692	+	4.629E-09	3.1613E-08	-0.25081	hypo	sig	chr1_8348692
chr16	84813330	84813330	+	4.632E-09	3.1634E-08	-0.24254	hypo	sig	chr16_84813330
chr19	44758460	44758460	+	4.633E-09	3.164E-08	0.284179	hyper	sig	chr19_44758460
chr7	2440822	2440822	+	4.635E-09	3.1653E-08	-0.24459	hypo	sig	chr7_2440822
chr19	40365790	40365790	+	4.636E-09	3.1663E-08	0.241975	hyper	sig	chr19_40365790
chr17	77543852	77543852	+	4.649E-09	3.1747E-08	-0.22517	hypo	sig	chr17_77543852
chr8	93496067	93496067	+	4.649E-09	3.1747E-08	0.239398	hyper	sig	chr8_93496067
chr12	1.32E+08	132268866	+	4.653E-09	3.1772E-08	0.224534	hyper	sig	chr12_132268866
chr19	45901464	45901464	+	4.656E-09	3.1793E-08	0.296535	hyper	sig	chr19_45901464
chr12	1.31E+08	131014454	+	4.657E-09	3.18E-08	-0.2146	hypo	sig	chr12_131014454
chr17	82591784	82591784	+	4.657E-09	3.1803E-08	0.200764	hyper	sig	chr17_82591784
chr17	17676054	17676054	+	4.659E-09	3.1813E-08	-0.20143	hypo	sig	chr17_17676054
chr11	95037752	95037752	+	4.659E-09	3.1815E-08	0.245511	hyper	sig	chr11_95037752
chr14	69850337	69850337	+	4.663E-09	3.1837E-08	-0.27366	hypo	sig	chr14_69850337
chr16	30394737	30394737	+	4.667E-09	3.1868E-08	0.228689	hyper	sig	chr16_30394737
chr17	5116369	5116369	+	4.673E-09	3.1903E-08	0.260717	hyper	sig	chr17_5116369
chr13	20391828	20391828	+	4.674E-09	3.191E-08	-0.24065	hypo	sig	chr13_20391828
chr10	1.33E+08	133278556	+	4.677E-09	3.1929E-08	-0.23201	hypo	sig	chr10_133278556
chr2	2.39E+08	239349632	+	4.68E-09	3.1948E-08	0.228603	hyper	sig	chr2_239349632
chr19	55452704	55452704	+	4.686E-09	3.1987E-08	0.271278	hyper	sig	chr19_55452704
chr17	15918054	15918054	+	4.688E-09	3.2002E-08	0.21517	hyper	sig	chr17_15918054
chr7	45148327	45148327	+	4.699E-09	3.2072E-08	0.203722	hyper	sig	chr7_45148327
chr14	60516112	60516112	+	4.704E-09	3.211E-08	0.240321	hyper	sig	chr14_60516112
chr1	1.1E+08	110068906	+	4.712E-09	3.216E-08	0.233885	hyper	sig	chr1_110068906
chr6	10411211	10411211	+	4.715E-09	3.2182E-08	0.242754	hyper	sig	chr6_10411211
chr2	70906686	70906686	+	4.717E-09	3.2192E-08	0.231443	hyper	sig	chr2_70906686
chr6	1E+08	100467357	+	4.717E-09	3.2192E-08	0.230802	hyper	sig	chr6_100467357
chr2	501823	501823	+	4.719E-09	3.2205E-08	-0.25433	hypo	sig	chr2_501823

chr10	1098727	1098727	+	4.72E-09	3.2212E-08	0.208989	hyper	sig	chr10_1098727
chr9	1.36E+08	135521084	+	4.722E-09	3.2225E-08	-0.23677	hypo	sig	chr9_135521084
chr2	63056238	63056238	+	4.725E-09	3.2243E-08	0.223494	hyper	sig	chr2_63056238
chr3	1.94E+08	194313180	+	4.725E-09	3.2245E-08	0.269065	hyper	sig	chr3_194313180
chr5	36693030	36693030	+	4.726E-09	3.2252E-08	0.219467	hyper	sig	chr5_36693030
chr5	1.41E+08	141423248	+	4.726E-09	3.2255E-08	0.209398	hyper	sig	chr5_141423248
chr8	1.43E+08	142806259	+	4.729E-09	3.2271E-08	-0.242	hypo	sig	chr8_142806259
chr4	75631246	75631246	+	4.732E-09	3.229E-08	0.201187	hyper	sig	chr4_75631246
chr14	96595103	96595103	+	4.733E-09	3.2298E-08	-0.21294	hypo	sig	chr14_96595103
chr15	68575272	68575272	+	4.738E-09	3.233E-08	-0.22132	hypo	sig	chr15_68575272
chr13	23901198	23901198	+	4.748E-09	3.2396E-08	-0.26078	hypo	sig	chr13_23901198
chr9	1.3E+08	129685866	+	4.749E-09	3.2397E-08	-0.25876	hypo	sig	chr9_129685866
chr3	1.97E+08	196948621	+	4.753E-09	3.2424E-08	0.230651	hyper	sig	chr3_196948621
chr9	1.24E+08	124291879	+	4.754E-09	3.243E-08	0.279779	hyper	sig	chr9_124291879
chr5	1.56E+08	155729325	+	4.759E-09	3.2468E-08	0.200621	hyper	sig	chr5_155729325
chr12	1.3E+08	130339373	+	4.76E-09	3.2474E-08	0.233389	hyper	sig	chr12_130339373
chr5	1.41E+08	141422655	+	4.764E-09	3.2495E-08	0.264758	hyper	sig	chr5_141422655
chr19	44797005	44797005	+	4.764E-09	3.2498E-08	0.202374	hyper	sig	chr19_44797005
chr17	3944578	3944578	+	4.766E-09	3.2511E-08	0.251452	hyper	sig	chr17_3944578
chr10	86262103	86262103	+	4.776E-09	3.2574E-08	-0.21342	hypo	sig	chr10_86262103
chr16	88151196	88151196	+	4.777E-09	3.2584E-08	-0.20381	hypo	sig	chr16_88151196
chr13	1.13E+08	112642158	+	4.78E-09	3.2599E-08	-0.23924	hypo	sig	chr13_112642158
chr11	22433194	22433194	+	4.782E-09	3.2615E-08	0.257748	hyper	sig	chr11_22433194
chr2	29920116	29920116	+	4.788E-09	3.2648E-08	0.255231	hyper	sig	chr2_29920116
chr22	37245444	37245444	+	4.794E-09	3.2687E-08	-0.20351	hypo	sig	chr22_37245444
chr22	40682033	40682033	+	4.8E-09	3.2725E-08	-0.21892	hypo	sig	chr22_40682033
chr11	8262928	8262928	+	4.803E-09	3.2745E-08	0.20124	hyper	sig	chr11_8262928
chr2	1.82E+08	181678577	+	4.805E-09	3.2756E-08	0.219734	hyper	sig	chr2_181678577
chr11	73217986	73217986	+	4.808E-09	3.2776E-08	-0.20329	hypo	sig	chr11_73217986
chr17	1137661	1137661	+	4.812E-09	3.2801E-08	-0.22668	hypo	sig	chr17_1137661
chr1	17406218	17406218	+	4.815E-09	3.2824E-08	0.215086	hyper	sig	chr1_17406218
chr8	98948540	98948540	+	4.816E-09	3.2831E-08	0.220329	hyper	sig	chr8_98948540
chr5	19988569	19988569	+	4.817E-09	3.2839E-08	0.201637	hyper	sig	chr5_19988569
chr17	1472043	1472043	+	4.819E-09	3.2849E-08	0.20512	hyper	sig	chr17_1472043
chr15	29104226	29104226	+	4.823E-09	3.2878E-08	-0.24206	hypo	sig	chr15_29104226
chr6	44284891	44284891	+	4.831E-09	3.2926E-08	-0.2255	hypo	sig	chr6_44284891
chr5	77183534	77183534	+	4.832E-09	3.2934E-08	-0.22449	hypo	sig	chr5_77183534
chr17	82917870	82917870	+	4.843E-09	3.3004E-08	0.225855	hyper	sig	chr17_82917870
chr10	1.34E+08	133529658	+	4.845E-09	3.302E-08	0.210318	hyper	sig	chr10_133529658
chr7	1.51E+08	151395849	+	4.85E-09	3.3054E-08	-0.20478	hypo	sig	chr7_151395849
chr4	1035775	1035775	+	4.859E-09	3.3113E-08	-0.2014	hypo	sig	chr4_1035775
chr16	68510196	68510196	+	4.859E-09	3.3114E-08	0.220685	hyper	sig	chr16_68510196
chr16	50673967	50673967	+	4.868E-09	3.317E-08	0.208027	hyper	sig	chr16_50673967
chr14	56809916	56809916	+	4.87E-09	3.3186E-08	0.238608	hyper	sig	chr14_56809916
chr7	1.06E+08	105708073	+	4.887E-09	3.3292E-08	0.200933	hyper	sig	chr7_105708073
chr9	1.36E+08	135590552	+	4.892E-09	3.3324E-08	-0.28285	hypo	sig	chr9_135590552
chr1	47433232	47433232	+	4.892E-09	3.3326E-08	0.231743	hyper	sig	chr1_47433232
chr6	28816966	28816966	+	4.892E-09	3.3326E-08	0.227525	hyper	sig	chr6_28816966
chr6	1.68E+08	168001891	+	4.893E-09	3.3334E-08	-0.2001	hypo	sig	chr6_168001891
chr6	30071626	30071626	+	4.895E-09	3.3344E-08	0.250826	hyper	sig	chr6_30071626
chr22	32041587	32041587	+	4.896E-09	3.3352E-08	-0.21085	hypo	sig	chr22_32041587
chr4	8200723	8200723	+	4.901E-09	3.3387E-08	-0.21099	hypo	sig	chr4_8200723
chr7	44038162	44038162	+	4.907E-09	3.3421E-08	-0.23968	hypo	sig	chr7_44038162
chr3	1.34E+08	133784057	+	4.909E-09	3.344E-08	0.225972	hyper	sig	chr3_133784057
chr16	51154478	51154478	+	4.91E-09	3.3442E-08	0.234575	hyper	sig	chr16_51154478
chr20	33672817	33672817	+	4.91E-09	3.3443E-08	0.245173	hyper	sig	chr20_33672817

chr5	1.36E+08	135931002	+	4.912E-09	3.3456E-08	0.206294	hyper	sig	chr5_135931002
chr16	14405975	14405975	+	4.924E-09	3.3537E-08	-0.23762	hypo	sig	chr16_14405975
chr19	2511650	2511650	+	4.928E-09	3.3561E-08	-0.23691	hypo	sig	chr19_2511650
chr1	1.52E+08	151839171	+	4.929E-09	3.3568E-08	0.237081	hyper	sig	chr1_151839171
chr20	45972887	45972887	+	4.932E-09	3.3585E-08	-0.27088	hypo	sig	chr20_45972887
chr19	2511716	2511716	+	4.935E-09	3.3603E-08	-0.22393	hypo	sig	chr19_2511716
chr11	69646298	69646298	+	4.936E-09	3.3615E-08	0.226082	hyper	sig	chr11_69646298
chr21	46661409	46661409	+	4.938E-09	3.3625E-08	0.283025	hyper	sig	chr21_46661409
chr21	26965292	26965292	+	4.939E-09	3.3632E-08	0.243931	hyper	sig	chr21_26965292
chr1	98044774	98044774	+	4.944E-09	3.3665E-08	0.228002	hyper	sig	chr1_98044774
chr5	76954665	76954665	+	4.95E-09	3.3706E-08	0.258283	hyper	sig	chr5_76954665
chr2	1.31E+08	130819902	+	4.955E-09	3.3737E-08	0.205649	hyper	sig	chr2_130819902
chr18	76126	76126	+	4.956E-09	3.3739E-08	0.201503	hyper	sig	chr18_76126
chr7	1583165	1583165	+	4.958E-09	3.3754E-08	-0.21424	hypo	sig	chr7_1583165
chr15	98643736	98643736	+	4.965E-09	3.3798E-08	-0.20658	hypo	sig	chr15_98643736
chr13	1.14E+08	114158187	+	4.965E-09	3.3802E-08	-0.20866	hypo	sig	chr13_114158187
chr1	1.82E+08	182056877	+	4.976E-09	3.3873E-08	0.204657	hyper	sig	chr1_182056877
chr17	81697271	81697271	+	4.977E-09	3.3879E-08	0.201558	hyper	sig	chr17_81697271
chr6	30071658	30071658	+	4.977E-09	3.3882E-08	0.244305	hyper	sig	chr6_30071658
chr19	50639128	50639128	+	4.979E-09	3.3894E-08	0.247489	hyper	sig	chr19_50639128
chr2	20242398	20242398	+	4.98E-09	3.3901E-08	0.220608	hyper	sig	chr2_20242398
chr6	1E+08	100467979	+	4.983E-09	3.3917E-08	0.224538	hyper	sig	chr6_100467979
chr18	78126680	78126680	+	4.984E-09	3.3927E-08	0.209977	hyper	sig	chr18_78126680
chr5	1.41E+08	140786671	+	4.991E-09	3.3973E-08	0.201295	hyper	sig	chr5_140786671
chr2	2.19E+08	219331992	+	4.996E-09	3.4002E-08	0.288586	hyper	sig	chr2_219331992
chr5	161642	161642	+	5.003E-09	3.405E-08	-0.2487	hypo	sig	chr5_161642
chr2	1.05E+08	104659432	+	5.007E-09	3.4071E-08	0.231764	hyper	sig	chr2_104659432
chr9	1.35E+08	135277515	+	5.009E-09	3.4087E-08	0.230871	hyper	sig	chr9_135277515
chr8	37965412	37965412	+	5.009E-09	3.4088E-08	0.238883	hyper	sig	chr8_37965412
chr8	1.44E+08	143891341	+	5.011E-09	3.4098E-08	-0.22139	hypo	sig	chr8_143891341
chr17	45237194	45237194	+	5.015E-09	3.4122E-08	-0.20441	hypo	sig	chr17_45237194
chr10	1.3E+08	129966730	+	5.017E-09	3.4135E-08	0.241639	hyper	sig	chr10_129966730
chr16	1543854	1543854	+	5.017E-09	3.4137E-08	-0.21548	hypo	sig	chr16_1543854
chr19	44925667	44925667	+	5.017E-09	3.414E-08	-0.20199	hypo	sig	chr19_44925667
chr1	6418555	6418555	+	5.02E-09	3.4156E-08	-0.20224	hypo	sig	chr1_6418555
chr18	37567571	37567571	+	5.023E-09	3.4175E-08	0.229208	hyper	sig	chr18_37567571
chr2	1.3E+08	129932965	+	5.023E-09	3.4175E-08	-0.28119	hypo	sig	chr2_129932965
chr1	2.24E+08	223748726	+	5.024E-09	3.4183E-08	0.315557	hyper	sig	chr1_223748726
chr13	1.12E+08	111998263	+	5.025E-09	3.419E-08	-0.21802	hypo	sig	chr13_111998263
chr15	67820654	67820654	+	5.026E-09	3.4195E-08	0.225108	hyper	sig	chr15_67820654
chr2	55923916	55923916	+	5.031E-09	3.4227E-08	0.216561	hyper	sig	chr2_55923916
chr4	84484465	84484465	+	5.036E-09	3.4258E-08	0.225869	hyper	sig	chr4_84484465
chr16	77789402	77789402	+	5.037E-09	3.4269E-08	0.204483	hyper	sig	chr16_77789402
chr16	89834393	89834393	+	5.039E-09	3.4276E-08	-0.2713	hypo	sig	chr16_89834393
chr17	79212109	79212109	+	5.04E-09	3.4286E-08	-0.22429	hypo	sig	chr17_79212109
chr19	49025807	49025807	+	5.048E-09	3.4339E-08	-0.23013	hypo	sig	chr19_49025807
chr14	47243800	47243800	+	5.057E-09	3.4398E-08	-0.21344	hypo	sig	chr14_47243800
chr5	61631833	61631833	+	5.06E-09	3.4414E-08	0.260417	hyper	sig	chr5_61631833
chr5	1.73E+08	173238345	+	5.065E-09	3.4445E-08	0.212304	hyper	sig	chr5_173238345
chr17	62138084	62138084	+	5.071E-09	3.4487E-08	0.213569	hyper	sig	chr17_62138084
chr18	14999773	14999773	+	5.071E-09	3.4489E-08	0.261203	hyper	sig	chr18_14999773
chr2	94872961	94872961	+	5.078E-09	3.4534E-08	-0.33452	hypo	sig	chr2_94872961
chr5	2197200	2197200	+	5.084E-09	3.4569E-08	0.236431	hyper	sig	chr5_2197200
chr5	1.51E+08	150640726	+	5.093E-09	3.4629E-08	-0.22191	hypo	sig	chr5_150640726
chr7	1.02E+08	102300666	+	5.094E-09	3.4636E-08	0.226234	hyper	sig	chr7_102300666
chr16	57260421	57260421	+	5.096E-09	3.4648E-08	0.201622	hyper	sig	chr16_57260421

chr5	1.41E+08	140796731	+	5.096E-09	3.4649E-08	0.205981	hyper	sig	chr5_140796731
chr12	56488808	56488808	+	5.1E-09	3.4676E-08	0.206635	hyper	sig	chr12_56488808
chr5	1.16E+08	115963790	+	5.106E-09	3.4711E-08	0.223171	hyper	sig	chr5_115963790
chr3	1.7E+08	169666246	+	5.107E-09	3.4722E-08	0.291507	hyper	sig	chr3_169666246
chr16	48235865	48235865	+	5.11E-09	3.474E-08	-0.21998	hypo	sig	chr16_48235865
chr16	81005913	81005913	+	5.112E-09	3.4755E-08	-0.20979	hypo	sig	chr16_81005913
chr8	81630571	81630571	+	5.114E-09	3.4763E-08	-0.21185	hypo	sig	chr8_81630571
chr19	29671878	29671878	+	5.12E-09	3.4804E-08	-0.23364	hypo	sig	chr19_29671878
chr19	49059218	49059218	+	5.122E-09	3.4818E-08	0.252665	hyper	sig	chr19_49059218
chr5	1005554	1005554	+	5.125E-09	3.4837E-08	0.212064	hyper	sig	chr5_1005554
chr5	1.42E+08	141811926	+	5.131E-09	3.4879E-08	0.238839	hyper	sig	chr5_141811926
chr18	23574232	23574232	+	5.133E-09	3.4891E-08	-0.22336	hypo	sig	chr18_23574232
chr7	27143018	27143018	+	5.137E-09	3.4913E-08	0.280966	hyper	sig	chr7_27143018
chr11	93537833	93537833	+	5.139E-09	3.4925E-08	-0.23117	hypo	sig	chr11_93537833
chr1	36351725	36351725	+	5.147E-09	3.498E-08	0.216315	hyper	sig	chr1_36351725
chr1	2932299	2932299	+	5.151E-09	3.5009E-08	-0.25102	hypo	sig	chr1_2932299
chr9	1.37E+08	137446307	+	5.155E-09	3.5031E-08	-0.20228	hypo	sig	chr9_137446307
chr12	1.2E+08	120199397	+	5.158E-09	3.5052E-08	-0.20776	hypo	sig	chr12_120199397
chr18	48408083	48408083	+	5.159E-09	3.5057E-08	0.239819	hyper	sig	chr18_48408083
chr15	80704746	80704746	+	5.164E-09	3.5088E-08	-0.20966	hypo	sig	chr15_80704746
chr2	1.86E+08	185738688	+	5.164E-09	3.5092E-08	0.218015	hyper	sig	chr2_185738688
chr1	34928254	34928254	+	5.169E-09	3.5121E-08	-0.23377	hypo	sig	chr1_34928254
chr7	1675784	1675784	+	5.17E-09	3.5129E-08	0.200371	hyper	sig	chr7_1675784
chr20	58840257	58840257	+	5.17E-09	3.5131E-08	0.257875	hyper	sig	chr20_58840257
chr12	53931062	53931062	+	5.174E-09	3.5157E-08	0.234333	hyper	sig	chr12_53931062
chr3	1.82E+08	181724373	+	5.183E-09	3.5212E-08	0.261711	hyper	sig	chr3_181724373
chr5	1.41E+08	140802552	+	5.192E-09	3.5273E-08	0.207425	hyper	sig	chr5_140802552
chr5	1.41E+08	140672944	+	5.193E-09	3.5281E-08	0.222174	hyper	sig	chr5_140672944
chr11	79438343	79438343	+	5.198E-09	3.5314E-08	0.220588	hyper	sig	chr11_79438343
chr13	25373023	25373023	+	5.199E-09	3.5319E-08	0.242293	hyper	sig	chr13_25373023
chr7	1211645	1211645	+	5.2E-09	3.5323E-08	-0.24782	hypo	sig	chr7_1211645
chr2	31581254	31581254	+	5.2E-09	3.5324E-08	0.234332	hyper	sig	chr2_31581254
chr12	56080885	56080885	+	5.204E-09	3.5347E-08	-0.27896	hypo	sig	chr12_56080885
chr2	66446296	66446296	+	5.204E-09	3.5347E-08	0.217159	hyper	sig	chr2_66446296
chr10	22928250	22928250	+	5.204E-09	3.5349E-08	0.21693	hyper	sig	chr10_22928250
chr17	82003571	82003571	+	5.206E-09	3.5359E-08	0.260516	hyper	sig	chr17_82003571
chr6	1384602	1384602	+	5.209E-09	3.5379E-08	0.203673	hyper	sig	chr6_1384602
chr5	1.41E+08	140835750	+	5.211E-09	3.5391E-08	0.267123	hyper	sig	chr5_140835750
chr10	95230874	95230874	+	5.217E-09	3.5436E-08	0.222756	hyper	sig	chr10_95230874
chr19	45472673	45472673	+	5.225E-09	3.5485E-08	0.202273	hyper	sig	chr19_45472673
chr16	88975835	88975835	+	5.234E-09	3.5546E-08	-0.23404	hypo	sig	chr16_88975835
chr17	39637761	39637761	+	5.235E-09	3.555E-08	-0.2191	hypo	sig	chr17_39637761
chr17	19470829	19470829	+	5.237E-09	3.5566E-08	0.204181	hyper	sig	chr17_19470829
chr2	3598798	3598798	+	5.246E-09	3.5625E-08	-0.24593	hypo	sig	chr2_3598798
chr13	1.11E+08	111409553	+	5.249E-09	3.5646E-08	-0.24596	hypo	sig	chr13_111409553
chr7	1.51E+08	150977439	+	5.25E-09	3.5651E-08	0.204786	hyper	sig	chr7_150977439
chr19	57119063	57119063	+	5.252E-09	3.5661E-08	0.213152	hyper	sig	chr19_57119063
chr12	1.32E+08	132250140	+	5.254E-09	3.5674E-08	-0.23272	hypo	sig	chr12_132250140
chr20	51022573	51022573	+	5.259E-09	3.5708E-08	0.201729	hyper	sig	chr20_51022573
chr21	41361537	41361537	+	5.263E-09	3.5734E-08	-0.21016	hypo	sig	chr21_41361537
chr16	31568966	31568966	+	5.27E-09	3.5779E-08	0.207643	hyper	sig	chr16_31568966
chr19	18650812	18650812	+	5.271E-09	3.5783E-08	0.267004	hyper	sig	chr19_18650812
chr3	75668095	75668095	+	5.272E-09	3.5792E-08	0.235404	hyper	sig	chr3_75668095
chr14	1.04E+08	104342113	+	5.273E-09	3.58E-08	-0.20287	hypo	sig	chr14_104342113
chr16	88415961	88415961	+	5.28E-09	3.5843E-08	-0.24122	hypo	sig	chr16_88415961
chr2	1.94E+08	194090760	+	5.282E-09	3.5853E-08	-0.21551	hypo	sig	chr2_194090760

chr11	49059038	49059038	+	5.284E-09	3.5867E-08	-0.21287	hypo	sig	chr11_49059038
chr12	1.1E+08	109589038	+	5.285E-09	3.5872E-08	-0.24577	hypo	sig	chr12_109589038
chr8	1.43E+08	143283832	+	5.288E-09	3.5891E-08	-0.20567	hypo	sig	chr8_143283832
chr7	53036308	53036308	+	5.288E-09	3.5895E-08	-0.21821	hypo	sig	chr7_53036308
chr17	82321003	82321003	+	5.292E-09	3.5918E-08	-0.21763	hypo	sig	chr17_82321003
chr1	10415313	10415313	+	5.297E-09	3.595E-08	-0.20833	hypo	sig	chr1_10415313
chr16	31214036	31214036	+	5.297E-09	3.5952E-08	-0.23966	hypo	sig	chr16_31214036
chr7	1.3E+08	130493224	+	5.298E-09	3.5954E-08	0.226914	hyper	sig	chr7_130493224
chr9	91948206	91948206	+	5.299E-09	3.596E-08	0.265235	hyper	sig	chr9_91948206
chr3	46857974	46857974	+	5.301E-09	3.5977E-08	-0.21244	hypo	sig	chr3_46857974
chr7	30425471	30425471	+	5.304E-09	3.5992E-08	-0.22663	hypo	sig	chr7_30425471
chr1	1.19E+08	118983814	+	5.305E-09	3.6001E-08	0.226876	hyper	sig	chr1_118983814
chr1	2.28E+08	227944236	+	5.307E-09	3.6016E-08	0.209608	hyper	sig	chr1_227944236
chr10	75099490	75099490	+	5.311E-09	3.6042E-08	-0.22232	hypo	sig	chr10_75099490
chr9	1.22E+08	122219903	+	5.312E-09	3.6044E-08	0.25288	hyper	sig	chr9_122219903
chr19	50789262	50789262	+	5.313E-09	3.6051E-08	-0.20046	hypo	sig	chr19_50789262
chr19	1238557	1238557	+	5.318E-09	3.6088E-08	0.222962	hyper	sig	chr19_1238557
chr5	169626	169626	+	5.321E-09	3.6107E-08	-0.22481	hypo	sig	chr5_169626
chr19	4455189	4455189	+	5.325E-09	3.6134E-08	0.221734	hyper	sig	chr19_4455189
chr12	1.32E+08	132202359	+	5.326E-09	3.614E-08	-0.20824	hypo	sig	chr12_132202359
chr1	27360767	27360767	+	5.329E-09	3.6156E-08	0.244737	hyper	sig	chr1_27360767
chr6	5994343	5994343	+	5.331E-09	3.6169E-08	0.220743	hyper	sig	chr6_5994343
chr2	1.68E+08	168241431	+	5.342E-09	3.6241E-08	0.207665	hyper	sig	chr2_168241431
chr5	1153675	1153675	+	5.348E-09	3.6278E-08	-0.21542	hypo	sig	chr5_1153675
chr16	1104951	1104951	+	5.348E-09	3.6282E-08	-0.21948	hypo	sig	chr16_1104951
chr6	1.65E+08	165309622	+	5.349E-09	3.6286E-08	0.218703	hyper	sig	chr6_165309622
chr16	88678457	88678457	+	5.35E-09	3.6291E-08	0.209996	hyper	sig	chr16_88678457
chr8	55102533	55102533	+	5.352E-09	3.6305E-08	0.212024	hyper	sig	chr8_55102533
chr16	30997911	30997911	+	5.355E-09	3.6323E-08	-0.21452	hypo	sig	chr16_30997911
chr16	87067288	87067288	+	5.356E-09	3.6329E-08	-0.25044	hypo	sig	chr16_87067288
chr14	1.04E+08	104390120	+	5.357E-09	3.6336E-08	-0.22511	hypo	sig	chr14_104390120
chr1	2886044	2886044	+	5.359E-09	3.6348E-08	0.24031	hyper	sig	chr1_2886044
chr10	8034305	8034305	+	5.36E-09	3.6357E-08	0.214624	hyper	sig	chr10_8034305
chr3	1.82E+08	181724414	+	5.362E-09	3.6367E-08	0.265502	hyper	sig	chr3_181724414
chr2	85592491	85592491	+	5.368E-09	3.6411E-08	-0.26614	hypo	sig	chr2_85592491
chr2	1.06E+08	106342928	+	5.37E-09	3.6418E-08	-0.20389	hypo	sig	chr2_106342928
chr19	50425881	50425881	+	5.371E-09	3.6428E-08	-0.26369	hypo	sig	chr19_50425881
chr9	1.02E+08	101737467	+	5.374E-09	3.6448E-08	0.211583	hyper	sig	chr9_101737467
chr20	58840235	58840235	+	5.378E-09	3.6471E-08	0.28773	hyper	sig	chr20_58840235
chr17	7446975	7446975	+	5.384E-09	3.6507E-08	0.249777	hyper	sig	chr17_7446975
chr17	36884755	36884755	+	5.386E-09	3.6522E-08	0.203569	hyper	sig	chr17_36884755
chr15	28947045	28947045	+	5.388E-09	3.6534E-08	-0.21146	hypo	sig	chr15_28947045
chr18	26547631	26547631	+	5.388E-09	3.6538E-08	0.237805	hyper	sig	chr18_26547631
chr12	1.17E+08	116917019	+	5.391E-09	3.6558E-08	-0.21739	hypo	sig	chr12_116917019
chr4	10462123	10462123	+	5.395E-09	3.658E-08	0.226678	hyper	sig	chr4_10462123
chr16	89834357	89834357	+	5.397E-09	3.6592E-08	-0.24008	hypo	sig	chr16_89834357
chr6	71588789	71588789	+	5.405E-09	3.665E-08	0.226978	hyper	sig	chr6_71588789
chr16	54290642	54290642	+	5.406E-09	3.6652E-08	0.288141	hyper	sig	chr16_54290642
chr19	49038717	49038717	+	5.409E-09	3.6677E-08	-0.27044	hypo	sig	chr19_49038717
chr7	1.51E+08	151380181	+	5.413E-09	3.67E-08	-0.21651	hypo	sig	chr7_151380181
chr17	5500006	5500006	+	5.419E-09	3.674E-08	0.237623	hyper	sig	chr17_5500006
chr2	3595142	3595142	+	5.431E-09	3.6814E-08	0.218547	hyper	sig	chr2_3595142
chr1	9198586	9198586	+	5.435E-09	3.6841E-08	0.220798	hyper	sig	chr1_9198586
chr14	69571536	69571536	+	5.44E-09	3.6874E-08	0.232378	hyper	sig	chr14_69571536
chr19	35558855	35558855	+	5.442E-09	3.6886E-08	0.252632	hyper	sig	chr19_35558855
chr9	95086090	95086090	+	5.444E-09	3.6902E-08	0.207781	hyper	sig	chr9_95086090

chr1	92441882	92441882	+	5.446E-09	3.6913E-08	-0.2212	hypo	sig	chr1_92441882
chr1	2961947	2961947	+	5.459E-09	3.6995E-08	-0.21566	hypo	sig	chr1_2961947
chr5	1.71E+08	171307890	+	5.462E-09	3.7012E-08	0.226001	hyper	sig	chr5_171307890
chr15	70063294	70063294	+	5.467E-09	3.7048E-08	0.237757	hyper	sig	chr15_70063294
chr11	78669821	78669821	+	5.468E-09	3.7052E-08	-0.21149	hypo	sig	chr11_78669821
chr5	1.76E+08	175680094	+	5.473E-09	3.7084E-08	-0.24053	hypo	sig	chr5_175680094
chr14	1.04E+08	104163727	+	5.477E-09	3.7106E-08	-0.24026	hypo	sig	chr14_104163727
chr19	10339593	10339593	+	5.477E-09	3.7111E-08	-0.24358	hypo	sig	chr19_10339593
chr19	38744187	38744187	+	5.48E-09	3.7126E-08	-0.22291	hypo	sig	chr19_38744187
chr5	1.41E+08	140863184	+	5.48E-09	3.7127E-08	0.322129	hyper	sig	chr5_140863184
chr19	45815378	45815378	+	5.483E-09	3.7146E-08	0.269238	hyper	sig	chr19_45815378
chr17	82837693	82837693	+	5.49E-09	3.7192E-08	-0.21746	hypo	sig	chr17_82837693
chr6	52307323	52307323	+	5.494E-09	3.7217E-08	-0.21076	hypo	sig	chr6_52307323
chr17	80510476	80510476	+	5.496E-09	3.7233E-08	-0.20915	hypo	sig	chr17_80510476
chr11	3147524	3147524	+	5.503E-09	3.7278E-08	0.224385	hyper	sig	chr11_3147524
chr19	43773873	43773873	+	5.504E-09	3.7286E-08	0.264229	hyper	sig	chr19_43773873
chr4	1.86E+08	186152877	+	5.506E-09	3.7297E-08	-0.22464	hypo	sig	chr4_186152877
chr15	36888704	36888704	+	5.506E-09	3.7298E-08	0.216044	hyper	sig	chr15_36888704
chr6	1.67E+08	166640860	+	5.512E-09	3.7336E-08	-0.21142	hypo	sig	chr6_166640860
chr10	1.33E+08	133110043	+	5.514E-09	3.7346E-08	-0.23772	hypo	sig	chr10_133110043
chr2	1.37E+08	136765012	+	5.514E-09	3.7346E-08	0.271446	hyper	sig	chr2_136765012
chr8	1.16E+08	115667480	+	5.52E-09	3.7386E-08	0.256853	hyper	sig	chr8_115667480
chr2	96116217	96116217	+	5.521E-09	3.7388E-08	0.247711	hyper	sig	chr2_96116217
chr9	1.33E+08	133256050	+	5.523E-09	3.7401E-08	-0.25701	hypo	sig	chr9_133256050
chr16	75486244	75486244	+	5.528E-09	3.7436E-08	-0.23858	hypo	sig	chr16_75486244
chr9	37027487	37027487	+	5.528E-09	3.7436E-08	0.200255	hyper	sig	chr9_37027487
chr5	1.41E+08	140850289	+	5.534E-09	3.7473E-08	0.243439	hyper	sig	chr5_140850289
chr3	79502525	79502525	+	5.536E-09	3.7486E-08	-0.20224	hypo	sig	chr3_79502525
chr13	20301829	20301829	+	5.537E-09	3.7498E-08	0.237753	hyper	sig	chr13_20301829
chr2	2.41E+08	240868330	+	5.539E-09	3.7508E-08	-0.21163	hypo	sig	chr2_240868330
chr2	2.34E+08	233712794	+	5.539E-09	3.7508E-08	-0.20298	hypo	sig	chr2_233712794
chr22	19959317	19959317	+	5.545E-09	3.7543E-08	0.207138	hyper	sig	chr22_19959317
chr16	29154686	29154686	+	5.548E-09	3.7567E-08	0.225023	hyper	sig	chr16_29154686
chr3	1.35E+08	134650651	+	5.555E-09	3.7614E-08	0.205556	hyper	sig	chr3_134650651
chr17	57045467	57045467	+	5.571E-09	3.7712E-08	0.238306	hyper	sig	chr17_57045467
chr21	46095223	46095223	+	5.571E-09	3.7713E-08	-0.20079	hypo	sig	chr21_46095223
chr13	1.12E+08	111972509	+	5.576E-09	3.7747E-08	0.205724	hyper	sig	chr13_111972509
chr9	1.22E+08	122347837	+	5.577E-09	3.775E-08	-0.21262	hypo	sig	chr9_122347837
chr19	35849521	35849521	+	5.577E-09	3.775E-08	-0.2931	hypo	sig	chr19_35849521
chr1	1.47E+08	147052320	+	5.577E-09	3.7751E-08	-0.22518	hypo	sig	chr1_147052320
chr4	1.33E+08	133151079	+	5.579E-09	3.7765E-08	0.202928	hyper	sig	chr4_133151079
chr11	3435290	3435290	+	5.58E-09	3.7767E-08	-0.21185	hypo	sig	chr11_3435290
chr11	69643929	69643929	+	5.581E-09	3.7772E-08	0.2426	hyper	sig	chr11_69643929
chr2	23390360	23390360	+	5.585E-09	3.7799E-08	-0.21724	hypo	sig	chr2_23390360
chr1	31771950	31771950	+	5.586E-09	3.7803E-08	0.295313	hyper	sig	chr1_31771950
chr3	49657656	49657656	+	5.587E-09	3.7808E-08	-0.26205	hypo	sig	chr3_49657656
chr16	974273	974273	+	5.594E-09	3.7857E-08	-0.22579	hypo	sig	chr16_974273
chr11	64568097	64568097	+	5.595E-09	3.7859E-08	0.211387	hyper	sig	chr11_64568097
chr5	676617	676617	+	5.602E-09	3.7906E-08	-0.22499	hypo	sig	chr5_676617
chr19	43501943	43501943	+	5.602E-09	3.791E-08	0.204741	hyper	sig	chr19_43501943
chr1	1599162	1599162	+	5.604E-09	3.7921E-08	0.222407	hyper	sig	chr1_1599162
chr19	10713237	10713237	+	5.606E-09	3.7933E-08	-0.22159	hypo	sig	chr19_10713237
chr19	1254122	1254122	+	5.61E-09	3.7958E-08	0.200112	hyper	sig	chr19_1254122
chr16	760667	760667	+	5.611E-09	3.7965E-08	-0.20334	hypo	sig	chr16_760667
chr15	96367930	96367930	+	5.613E-09	3.7975E-08	0.259988	hyper	sig	chr15_96367930
chr1	10651550	10651550	+	5.62E-09	3.8025E-08	0.221426	hyper	sig	chr1_10651550

chr1	25618221	25618221	+	5.63E-09	3.8085E-08	0.203342	hyper	sig	chr1_25618221
chr1	11526154	11526154	+	5.633E-09	3.8105E-08	-0.23963	hypo	sig	chr1_11526154
chr13	1.13E+08	112973195	+	5.633E-09	3.8106E-08	-0.21635	hypo	sig	chr13_112973195
chr2	1.3E+08	130229406	+	5.633E-09	3.8108E-08	0.207034	hyper	sig	chr2_130229406
chr13	1.12E+08	112107401	+	5.639E-09	3.8147E-08	0.253442	hyper	sig	chr13_112107401
chr6	475429	475429	+	5.64E-09	3.8152E-08	0.203829	hyper	sig	chr6_475429
chr7	1235933	1235933	+	5.642E-09	3.8161E-08	0.226914	hyper	sig	chr7_1235933
chr2	63057649	63057649	+	5.644E-09	3.8176E-08	0.229036	hyper	sig	chr2_63057649
chr16	4605432	4605432	+	5.645E-09	3.8181E-08	-0.27045	hypo	sig	chr16_4605432
chr1	11701582	11701582	+	5.645E-09	3.8182E-08	0.208157	hyper	sig	chr1_11701582
chr3	96815022	96815022	+	5.647E-09	3.8192E-08	0.284214	hyper	sig	chr3_96815022
chr8	1.43E+08	142741168	+	5.647E-09	3.8194E-08	-0.20045	hypo	sig	chr8_142741168
chr16	85650841	85650841	+	5.648E-09	3.82E-08	0.231771	hyper	sig	chr16_85650841
chr7	1.58E+08	158267154	+	5.653E-09	3.8232E-08	-0.20054	hypo	sig	chr7_158267154
chr12	1.13E+08	113480236	+	5.655E-09	3.8246E-08	0.221882	hyper	sig	chr12_113480236
chr17	1005508	1005508	+	5.657E-09	3.8256E-08	0.202512	hyper	sig	chr17_1005508
chr5	1107560	1107560	+	5.658E-09	3.8267E-08	-0.26422	hypo	sig	chr5_1107560
chr16	1088334	1088334	+	5.67E-09	3.8339E-08	-0.20388	hypo	sig	chr16_1088334
chr7	1256271	1256271	+	5.671E-09	3.8346E-08	-0.23691	hypo	sig	chr7_1256271
chr22	32804288	32804288	+	5.677E-09	3.8384E-08	0.201094	hyper	sig	chr22_32804288
chr19	51034075	51034075	+	5.687E-09	3.845E-08	-0.21001	hypo	sig	chr19_51034075
chr2	868454	868454	+	5.689E-09	3.8461E-08	0.241786	hyper	sig	chr2_868454
chr17	5116364	5116364	+	5.69E-09	3.8473E-08	0.250906	hyper	sig	chr17_5116364
chr10	1.2E+08	119818844	+	5.691E-09	3.848E-08	0.229962	hyper	sig	chr10_119818844
chr5	1.41E+08	141394832	+	5.692E-09	3.8485E-08	0.231207	hyper	sig	chr5_141394832
chr20	1807677	1807677	+	5.701E-09	3.8541E-08	-0.23556	hypo	sig	chr20_1807677
chr1	1.78E+08	178487113	+	5.702E-09	3.8549E-08	0.218428	hyper	sig	chr1_178487113
chr4	1.54E+08	153781576	+	5.711E-09	3.8609E-08	-0.20659	hypo	sig	chr4_153781576
chr2	1.31E+08	130819924	+	5.719E-09	3.8656E-08	0.257333	hyper	sig	chr2_130819924
chr22	31619121	31619121	+	5.719E-09	3.866E-08	0.202072	hyper	sig	chr22_31619121
chr10	1.03E+08	102919644	+	5.72E-09	3.8664E-08	0.318354	hyper	sig	chr10_102919644
chr7	1.01E+08	100642471	+	5.728E-09	3.8718E-08	-0.25903	hypo	sig	chr7_100642471
chr20	48373203	48373203	+	5.731E-09	3.8735E-08	-0.22468	hypo	sig	chr20_48373203
chr5	1.41E+08	141362170	+	5.736E-09	3.8767E-08	0.211802	hyper	sig	chr5_141362170
chr7	1.57E+08	157005851	+	5.738E-09	3.8778E-08	0.255963	hyper	sig	chr7_157005851
chr19	29405385	29405385	+	5.738E-09	3.8779E-08	0.211897	hyper	sig	chr19_29405385
chr4	55157829	55157829	+	5.739E-09	3.8784E-08	0.24188	hyper	sig	chr4_55157829
chr12	1.33E+08	133035020	+	5.741E-09	3.8796E-08	-0.20708	hypo	sig	chr12_133035020
chr1	9690716	9690716	+	5.742E-09	3.8802E-08	-0.2059	hypo	sig	chr1_9690716
chr4	99652476	99652476	+	5.744E-09	3.8818E-08	-0.21309	hypo	sig	chr4_99652476
chr22	37566792	37566792	+	5.747E-09	3.8836E-08	-0.20692	hypo	sig	chr22_37566792
chr8	1.28E+08	128019088	+	5.75E-09	3.8854E-08	0.206693	hyper	sig	chr8_128019088
chr5	1.33E+08	132823094	+	5.753E-09	3.8875E-08	0.233436	hyper	sig	chr5_132823094
chr1	1.97E+08	196609343	+	5.764E-09	3.8945E-08	0.223296	hyper	sig	chr1_196609343
chr17	1907527	1907527	+	5.766E-09	3.8955E-08	-0.22953	hypo	sig	chr17_1907527
chr19	55321242	55321242	+	5.767E-09	3.896E-08	-0.25529	hypo	sig	chr19_55321242
chr10	95231140	95231140	+	5.768E-09	3.8971E-08	0.213754	hyper	sig	chr10_95231140
chr7	74028164	74028164	+	5.773E-09	3.9001E-08	0.289773	hyper	sig	chr7_74028164
chr7	1.5E+08	150372770	+	5.777E-09	3.9024E-08	-0.20892	hypo	sig	chr7_150372770
chr7	5296052	5296052	+	5.777E-09	3.9025E-08	-0.26742	hypo	sig	chr7_5296052
chr5	77632930	77632930	+	5.779E-09	3.9041E-08	0.235211	hyper	sig	chr5_77632930
chr17	35741093	35741093	+	5.78E-09	3.9048E-08	0.202944	hyper	sig	chr17_35741093
chr7	2567492	2567492	+	5.781E-09	3.9054E-08	0.232199	hyper	sig	chr7_2567492
chr2	25386668	25386668	+	5.791E-09	3.912E-08	-0.23527	hypo	sig	chr2_25386668
chr2	2.36E+08	235677460	+	5.793E-09	3.9131E-08	-0.25724	hypo	sig	chr2_235677460
chr17	4901047	4901047	+	5.798E-09	3.9159E-08	0.203118	hyper	sig	chr17_4901047

chr16	986187	986187	+	5.802E-09	3.9187E-08	-0.20164	hypo	sig	chr16_986187
chr11	64207358	64207358	+	5.809E-09	3.923E-08	-0.21708	hypo	sig	chr11_64207358
chr17	63989217	63989217	+	5.822E-09	3.9314E-08	0.212524	hyper	sig	chr17_63989217
chr16	4934002	4934002	+	5.829E-09	3.9363E-08	-0.20251	hypo	sig	chr16_4934002
chr2	1.05E+08	104854885	+	5.831E-09	3.9373E-08	0.211652	hyper	sig	chr2_104854885
chr13	20177571	20177571	+	5.831E-09	3.9378E-08	0.275483	hyper	sig	chr13_20177571
chr9	1.28E+08	128409019	+	5.834E-09	3.9393E-08	0.232972	hyper	sig	chr9_128409019
chr16	55331903	55331903	+	5.835E-09	3.9403E-08	0.240357	hyper	sig	chr16_55331903
chr7	32070870	32070870	+	5.837E-09	3.9414E-08	0.205365	hyper	sig	chr7_32070870
chr7	50450808	50450808	+	5.839E-09	3.9429E-08	0.209701	hyper	sig	chr7_50450808
chr17	22217352	22217352	+	5.867E-09	3.9609E-08	0.212514	hyper	sig	chr17_22217352
chr19	55377760	55377760	+	5.868E-09	3.9613E-08	0.235763	hyper	sig	chr19_55377760
chr12	1.15E+08	114699891	+	5.868E-09	3.9617E-08	0.201251	hyper	sig	chr12_114699891
chr7	591240	591240	+	5.873E-09	3.9649E-08	0.206439	hyper	sig	chr7_591240
chr12	1.14E+08	113635304	+	5.882E-09	3.9705E-08	-0.24663	hypo	sig	chr12_113635304
chr17	78879949	78879949	+	5.882E-09	3.9706E-08	0.231238	hyper	sig	chr17_78879949
chr1	2503836	2503836	+	5.888E-09	3.9742E-08	0.26057	hyper	sig	chr1_2503836
chr12	51392641	51392641	+	5.889E-09	3.975E-08	-0.21608	hypo	sig	chr12_51392641
chr2	2.18E+08	218259565	+	5.893E-09	3.9774E-08	0.200913	hyper	sig	chr2_218259565
chr5	3301469	3301469	+	5.893E-09	3.9779E-08	-0.23943	hypo	sig	chr5_3301469
chr7	1.57E+08	156607984	+	5.895E-09	3.9786E-08	0.255444	hyper	sig	chr7_156607984
chr7	92592874	92592874	+	5.895E-09	3.9786E-08	-0.22871	hypo	sig	chr7_92592874
chr22	45922839	45922839	+	5.895E-09	3.9791E-08	-0.23056	hypo	sig	chr22_45922839
chr3	42686291	42686291	+	5.897E-09	3.98E-08	0.283486	hyper	sig	chr3_42686291
chr20	63044066	63044066	+	5.903E-09	3.9843E-08	-0.26181	hypo	sig	chr20_63044066
chr6	1.59E+08	159131408	+	5.905E-09	3.985E-08	-0.22458	hypo	sig	chr6_159131408
chr17	74357840	74357840	+	5.91E-09	3.9883E-08	0.209942	hyper	sig	chr17_74357840
chr12	3336550	3336550	+	5.915E-09	3.9919E-08	0.20205	hyper	sig	chr12_3336550
chr6	1.67E+08	167094344	+	5.919E-09	3.9941E-08	-0.22995	hypo	sig	chr6_167094344
chr10	1.04E+08	103668767	+	5.919E-09	3.9942E-08	0.231879	hyper	sig	chr10_103668767
chr7	56175782	56175782	+	5.92E-09	3.9947E-08	0.246925	hyper	sig	chr7_56175782
chr11	724566	724566	+	5.92E-09	3.9948E-08	0.226267	hyper	sig	chr11_724566
chr7	797997	797997	+	5.926E-09	3.9983E-08	0.265152	hyper	sig	chr7_797997
chr4	1524582	1524582	+	5.928E-09	4.0001E-08	-0.24656	hypo	sig	chr4_1524582
chr15	75178872	75178872	+	5.929E-09	4.0004E-08	0.205778	hyper	sig	chr15_75178872
chr2	1.87E+08	187003406	+	5.93E-09	4.0012E-08	0.225452	hyper	sig	chr2_187003406
chr12	1.11E+08	110690224	+	5.932E-09	4.0021E-08	-0.20435	hypo	sig	chr12_110690224
chr17	17810637	17810637	+	5.937E-09	4.0058E-08	0.252026	hyper	sig	chr17_17810637
chr16	86297929	86297929	+	5.939E-09	4.0067E-08	0.204818	hyper	sig	chr16_86297929
chr5	1.41E+08	141422008	+	5.939E-09	4.0068E-08	0.283351	hyper	sig	chr5_141422008
chr6	41736470	41736470	+	5.941E-09	4.008E-08	-0.20201	hypo	sig	chr6_41736470
chr9	1.09E+08	109014406	+	5.952E-09	4.0151E-08	0.292393	hyper	sig	chr9_109014406
chr19	3130741	3130741	+	5.952E-09	4.0152E-08	-0.23822	hypo	sig	chr19_3130741
chr5	1.78E+08	177604303	+	5.952E-09	4.0154E-08	-0.20479	hypo	sig	chr5_177604303
chr12	50166611	50166611	+	5.958E-09	4.0192E-08	0.201061	hyper	sig	chr12_50166611
chr14	56812760	56812760	+	5.969E-09	4.0262E-08	0.215009	hyper	sig	chr14_56812760
chr5	1.41E+08	141193929	+	5.971E-09	4.0276E-08	0.312821	hyper	sig	chr5_141193929
chr21	26967677	26967677	+	5.973E-09	4.0286E-08	0.212846	hyper	sig	chr21_26967677
chr4	1598375	1598375	+	5.973E-09	4.0287E-08	-0.20357	hypo	sig	chr4_1598375
chr17	48554732	48554732	+	5.978E-09	4.032E-08	0.244317	hyper	sig	chr17_48554732
chr20	662082	662082	+	5.988E-09	4.0384E-08	0.208091	hyper	sig	chr20_662082
chr17	34579594	34579594	+	6E-09	4.0461E-08	0.220657	hyper	sig	chr17_34579594
chr1	2.01E+08	201127152	+	6.005E-09	4.0495E-08	-0.24482	hypo	sig	chr1_201127152
chr19	53058388	53058388	+	6.009E-09	4.052E-08	0.299552	hyper	sig	chr19_53058388
chr16	768455	768455	+	6.01E-09	4.053E-08	-0.23238	hypo	sig	chr16_768455
chr9	1.22E+08	122220124	+	6.019E-09	4.0584E-08	0.20416	hyper	sig	chr9_122220124

chr4	1.34E+08	134201354	+	6.025E-09	4.0628E-08	0.290476	hyper	sig	chr4_134201354
chr20	44750300	44750300	+	6.026E-09	4.0628E-08	0.20767	hyper	sig	chr20_44750300
chr8	7147319	7147319	+	6.029E-09	4.0648E-08	0.203391	hyper	sig	chr8_7147319
chr1	33307102	33307102	+	6.03E-09	4.0656E-08	0.204156	hyper	sig	chr1_33307102
chr17	8397806	8397806	+	6.031E-09	4.0665E-08	-0.20399	hypo	sig	chr17_8397806
chr5	1.41E+08	141409927	+	6.031E-09	4.0665E-08	0.221409	hyper	sig	chr5_141409927
chr6	28977432	28977432	+	6.037E-09	4.0701E-08	0.222076	hyper	sig	chr6_28977432
chr11	31820144	31820144	+	6.04E-09	4.0717E-08	0.245151	hyper	sig	chr11_31820144
chr19	856086	856086	+	6.043E-09	4.0738E-08	-0.22445	hypo	sig	chr19_856086
chr6	1E+08	100457815	+	6.043E-09	4.074E-08	0.201194	hyper	sig	chr6_100457815
chr4	3484374	3484374	+	6.045E-09	4.0753E-08	-0.22094	hypo	sig	chr4_3484374
chr1	25550055	25550055	+	6.049E-09	4.0776E-08	-0.22346	hypo	sig	chr1_25550055
chr17	40355340	40355340	+	6.053E-09	4.0803E-08	0.218911	hyper	sig	chr17_40355340
chr8	23452691	23452691	+	6.054E-09	4.0807E-08	0.210424	hyper	sig	chr8_23452691
chr2	26740993	26740993	+	6.055E-09	4.0816E-08	-0.20196	hypo	sig	chr2_26740993
chr12	1.17E+08	116506434	+	6.064E-09	4.0872E-08	-0.20988	hypo	sig	chr12_116506434
chr5	10563001	10563001	+	6.067E-09	4.0891E-08	0.223532	hyper	sig	chr5_10563001
chr3	6861480	6861480	+	6.069E-09	4.0903E-08	0.225597	hyper	sig	chr3_6861480
chr19	28727285	28727285	+	6.071E-09	4.0913E-08	0.266747	hyper	sig	chr19_28727285
chr16	57528923	57528923	+	6.075E-09	4.0942E-08	-0.25023	hypo	sig	chr16_57528923
chr3	12886417	12886417	+	6.077E-09	4.0956E-08	-0.2668	hypo	sig	chr3_12886417
chr14	60655397	60655397	+	6.086E-09	4.1016E-08	0.264489	hyper	sig	chr14_60655397
chr1	2321321	2321321	+	6.091E-09	4.1049E-08	0.207653	hyper	sig	chr1_2321321
chr14	1.01E+08	100893415	+	6.095E-09	4.1076E-08	-0.23965	hypo	sig	chr14_100893415
chr18	48408130	48408130	+	6.099E-09	4.1101E-08	0.259204	hyper	sig	chr18_48408130
chr12	33439101	33439101	+	6.104E-09	4.1133E-08	0.247456	hyper	sig	chr12_33439101
chr11	75433663	75433663	+	6.107E-09	4.1153E-08	-0.23688	hypo	sig	chr11_75433663
chr2	1.92E+08	192193446	+	6.11E-09	4.117E-08	0.238859	hyper	sig	chr2_192193446
chr20	63417499	63417499	+	6.113E-09	4.1188E-08	-0.2066	hypo	sig	chr20_63417499
chr4	1.57E+08	157222884	+	6.115E-09	4.1198E-08	0.222552	hyper	sig	chr4_157222884
chr18	37570586	37570586	+	6.121E-09	4.124E-08	-0.23925	hypo	sig	chr18_37570586
chr7	1.02E+08	102300782	+	6.124E-09	4.1257E-08	0.271089	hyper	sig	chr7_102300782
chr4	8394165	8394165	+	6.126E-09	4.1273E-08	0.201524	hyper	sig	chr4_8394165
chr11	72778128	72778128	+	6.129E-09	4.1291E-08	-0.2056	hypo	sig	chr11_72778128
chr14	1.06E+08	105856058	+	6.13E-09	4.1296E-08	-0.22371	hypo	sig	chr14_105856058
chr19	49165465	49165465	+	6.131E-09	4.1306E-08	0.211507	hyper	sig	chr19_49165465
chr12	34219364	34219364	+	6.138E-09	4.1344E-08	0.230135	hyper	sig	chr12_34219364
chr12	65121539	65121539	+	6.139E-09	4.1355E-08	0.277702	hyper	sig	chr12_65121539
chr1	1.52E+08	151838950	+	6.14E-09	4.1362E-08	0.223297	hyper	sig	chr1_151838950
chr10	1209010	1209010	+	6.14E-09	4.1363E-08	-0.20052	hypo	sig	chr10_1209010
chr17	82577597	82577597	+	6.142E-09	4.1375E-08	-0.21864	hypo	sig	chr17_82577597
chr5	1.8E+08	179518596	+	6.146E-09	4.1399E-08	0.208386	hyper	sig	chr5_179518596
chr12	1.02E+08	101642546	+	6.152E-09	4.144E-08	0.205072	hyper	sig	chr12_101642546
chr7	21948991	21948991	+	6.155E-09	4.1459E-08	-0.20479	hypo	sig	chr7_21948991
chr3	1.82E+08	181725294	+	6.156E-09	4.1462E-08	0.236596	hyper	sig	chr3_181725294
chr20	62954553	62954553	+	6.157E-09	4.147E-08	0.248541	hyper	sig	chr20_62954553
chr5	1549331	1549331	+	6.165E-09	4.152E-08	-0.22033	hypo	sig	chr5_1549331
chr12	1.22E+08	121582261	+	6.169E-09	4.1549E-08	0.221607	hyper	sig	chr12_121582261
chr11	72241150	72241150	+	6.172E-09	4.1565E-08	0.2277	hyper	sig	chr11_72241150
chr2	1561913	1561913	+	6.174E-09	4.1583E-08	-0.21857	hypo	sig	chr2_1561913
chr5	1250607	1250607	+	6.179E-09	4.1613E-08	-0.25626	hypo	sig	chr5_1250607
chr3	26622068	26622068	+	6.189E-09	4.1677E-08	0.263537	hyper	sig	chr3_26622068
chr17	48554457	48554457	+	6.189E-09	4.1678E-08	0.273198	hyper	sig	chr17_48554457
chr5	1.73E+08	173237031	+	6.195E-09	4.1715E-08	0.21906	hyper	sig	chr5_173237031
chr17	77421083	77421083	+	6.204E-09	4.1774E-08	0.201964	hyper	sig	chr17_77421083
chr6	1408496	1408496	+	6.205E-09	4.178E-08	-0.20733	hypo	sig	chr6_1408496

chr15	40072661	40072661	+	6.218E-09	4.1864E-08	-0.26518	hypo	sig	chr15_40072661
chr12	1.15E+08	114686927	+	6.225E-09	4.1913E-08	0.226534	hyper	sig	chr12_114686927
chr1	36159650	36159650	+	6.226E-09	4.1914E-08	0.21198	hyper	sig	chr1_36159650
chr16	85196147	85196147	+	6.231E-09	4.1947E-08	0.223312	hyper	sig	chr16_85196147
chr5	1.36E+08	136357261	+	6.231E-09	4.1951E-08	-0.20804	hypo	sig	chr5_136357261
chr16	30821526	30821526	+	6.237E-09	4.1987E-08	-0.20367	hypo	sig	chr16_30821526
chr2	45006272	45006272	+	6.239E-09	4.2003E-08	0.203232	hyper	sig	chr2_45006272
chr11	47178014	47178014	+	6.24E-09	4.2009E-08	0.310469	hyper	sig	chr11_47178014
chr7	73832076	73832076	+	6.241E-09	4.2013E-08	-0.26638	hypo	sig	chr7_73832076
chr11	69868965	69868965	+	6.254E-09	4.2094E-08	-0.29241	hypo	sig	chr11_69868965
chr2	96987823	96987823	+	6.254E-09	4.21E-08	-0.20643	hypo	sig	chr2_96987823
chr20	37903686	37903686	+	6.256E-09	4.2111E-08	0.327672	hyper	sig	chr20_37903686
chr7	1647250	1647250	+	6.268E-09	4.219E-08	-0.20898	hypo	sig	chr7_1647250
chr1	2.43E+08	242890522	+	6.269E-09	4.2196E-08	0.2007	hyper	sig	chr1_242890522
chr12	3150985	3150985	+	6.273E-09	4.2218E-08	0.227789	hyper	sig	chr12_3150985
chr17	4900211	4900211	+	6.278E-09	4.225E-08	0.236194	hyper	sig	chr17_4900211
chr9	1.37E+08	137138846	+	6.29E-09	4.2332E-08	0.28476	hyper	sig	chr9_137138846
chr17	58487920	58487920	+	6.295E-09	4.2359E-08	0.209482	hyper	sig	chr17_58487920
chr2	2.2E+08	219563619	+	6.299E-09	4.2385E-08	-0.21073	hypo	sig	chr2_219563619
chr1	58814754	58814754	+	6.299E-09	4.2389E-08	-0.23218	hypo	sig	chr1_58814754
chr3	71754949	71754949	+	6.301E-09	4.24E-08	0.231131	hyper	sig	chr3_71754949
chr1	2207520	2207520	+	6.305E-09	4.2427E-08	0.266218	hyper	sig	chr1_2207520
chr17	80498378	80498378	+	6.322E-09	4.2537E-08	0.204943	hyper	sig	chr17_80498378
chr16	88203166	88203166	+	6.327E-09	4.2568E-08	-0.21029	hypo	sig	chr16_88203166
chr21	36706685	36706685	+	6.328E-09	4.2574E-08	0.229471	hyper	sig	chr21_36706685
chr1	56577898	56577898	+	6.328E-09	4.2575E-08	0.225135	hyper	sig	chr1_56577898
chr17	19978314	19978314	+	6.335E-09	4.2618E-08	0.203462	hyper	sig	chr17_19978314
chr22	40419064	40419064	+	6.339E-09	4.2645E-08	0.206286	hyper	sig	chr22_40419064
chr11	2415065	2415065	+	6.342E-09	4.2666E-08	-0.23179	hypo	sig	chr11_2415065
chr15	74730100	74730100	+	6.348E-09	4.2701E-08	-0.21785	hypo	sig	chr15_74730100
chr4	3740710	3740710	+	6.355E-09	4.2744E-08	-0.24052	hypo	sig	chr4_3740710
chr14	37622760	37622760	+	6.359E-09	4.2771E-08	0.257942	hyper	sig	chr14_37622760
chr15	26298753	26298753	+	6.36E-09	4.278E-08	-0.26793	hypo	sig	chr15_26298753
chr15	52795470	52795470	+	6.364E-09	4.2803E-08	0.217474	hyper	sig	chr15_52795470
chr1	12047543	12047543	+	6.366E-09	4.2815E-08	-0.25858	hypo	sig	chr1_12047543
chr19	8588401	8588401	+	6.367E-09	4.282E-08	-0.26675	hypo	sig	chr19_8588401
chr4	1.11E+08	110614348	+	6.371E-09	4.285E-08	0.257024	hyper	sig	chr4_110614348
chr1	1.55E+08	154506939	+	6.372E-09	4.2857E-08	-0.21933	hypo	sig	chr1_154506939
chr11	65626014	65626014	+	6.378E-09	4.2892E-08	0.259337	hyper	sig	chr11_65626014
chr22	50206684	50206684	+	6.378E-09	4.2894E-08	0.263737	hyper	sig	chr22_50206684
chr12	54010531	54010531	+	6.381E-09	4.2913E-08	0.244262	hyper	sig	chr12_54010531
chr2	8574055	8574055	+	6.384E-09	4.2932E-08	-0.25757	hypo	sig	chr2_8574055
chr12	1.32E+08	132250167	+	6.384E-09	4.2934E-08	-0.21791	hypo	sig	chr12_132250167
chr1	75132626	75132626	+	6.389E-09	4.2963E-08	0.281763	hyper	sig	chr1_75132626
chr7	15687755	15687755	+	6.392E-09	4.2982E-08	0.216653	hyper	sig	chr7_15687755
chr7	2524256	2524256	+	6.4E-09	4.3036E-08	-0.21749	hypo	sig	chr7_2524256
chr10	1.33E+08	132591876	+	6.407E-09	4.308E-08	-0.20648	hypo	sig	chr10_132591876
chr6	10411213	10411213	+	6.411E-09	4.3106E-08	0.2324	hyper	sig	chr6_10411213
chr8	1.4E+08	139959000	+	6.425E-09	4.3193E-08	-0.22164	hypo	sig	chr8_139959000
chr12	6556122	6556122	+	6.436E-09	4.3266E-08	0.216765	hyper	sig	chr12_6556122
chr6	1.68E+08	167795738	+	6.438E-09	4.3276E-08	-0.2574	hypo	sig	chr6_167795738
chr6	33069770	33069770	+	6.446E-09	4.3325E-08	-0.20851	hypo	sig	chr6_33069770
chr13	36126070	36126070	+	6.449E-09	4.3348E-08	-0.24378	hypo	sig	chr13_36126070
chr2	2.18E+08	218389944	+	6.452E-09	4.3363E-08	-0.21421	hypo	sig	chr2_218389944
chr1	26284750	26284750	+	6.453E-09	4.337E-08	-0.21234	hypo	sig	chr1_26284750
chr8	10611926	10611926	+	6.454E-09	4.3376E-08	-0.21729	hypo	sig	chr8_10611926

chr19	12194777	12194777	+	6.463E-09	4.3434E-08	0.202317	hyper	sig	chr19_12194777
chr20	4761842	4761842	+	6.468E-09	4.3467E-08	-0.23381	hypo	sig	chr20_4761842
chr15	67064148	67064148	+	6.468E-09	4.3469E-08	-0.23649	hypo	sig	chr15_67064148
chr5	1.76E+08	175868575	+	6.473E-09	4.3501E-08	-0.20363	hypo	sig	chr5_175868575
chr17	80800326	80800326	+	6.482E-09	4.3556E-08	0.209906	hyper	sig	chr17_80800326
chr7	1.29E+08	128910892	+	6.499E-09	4.3666E-08	0.200134	hyper	sig	chr7_128910892
chr14	19668663	19668663	+	6.501E-09	4.3677E-08	0.221332	hyper	sig	chr14_19668663
chr7	1.54E+08	154052828	+	6.504E-09	4.37E-08	0.221485	hyper	sig	chr7_154052828
chr3	62377374	62377374	+	6.504E-09	4.3701E-08	0.219619	hyper	sig	chr3_62377374
chr12	1.24E+08	124423635	+	6.508E-09	4.3725E-08	0.231256	hyper	sig	chr12_124423635
chr5	1.41E+08	141409701	+	6.512E-09	4.3751E-08	0.203132	hyper	sig	chr5_141409701
chr1	26863465	26863465	+	6.514E-09	4.3763E-08	-0.20146	hypo	sig	chr1_26863465
chr20	40683650	40683650	+	6.518E-09	4.3789E-08	0.202793	hyper	sig	chr20_40683650
chr21	33023076	33023076	+	6.519E-09	4.3791E-08	0.200589	hyper	sig	chr21_33023076
chr5	1865482	1865482	+	6.523E-09	4.3821E-08	-0.26735	hypo	sig	chr5_1865482
chr14	50313397	50313397	+	6.529E-09	4.3855E-08	-0.21171	hypo	sig	chr14_50313397
chr21	45618983	45618983	+	6.529E-09	4.3856E-08	-0.20556	hypo	sig	chr21_45618983
chr19	3369503	3369503	+	6.531E-09	4.3872E-08	0.245572	hyper	sig	chr19_3369503
chr11	57424805	57424805	+	6.536E-09	4.3903E-08	-0.22893	hypo	sig	chr11_57424805
chr1	38804638	38804638	+	6.56E-09	4.406E-08	0.228646	hyper	sig	chr1_38804638
chr1	1.5E+08	149900161	+	6.564E-09	4.4087E-08	0.207265	hyper	sig	chr1_149900161
chr1	2418310	2418310	+	6.574E-09	4.4145E-08	0.218981	hyper	sig	chr1_2418310
chr11	1197749	1197749	+	6.574E-09	4.4146E-08	0.215174	hyper	sig	chr11_1197749
chr20	34559871	34559871	+	6.575E-09	4.4151E-08	0.227177	hyper	sig	chr20_34559871
chr16	56663314	56663314	+	6.58E-09	4.4185E-08	0.408398	hyper	sig	chr16_56663314
chr8	29345441	29345441	+	6.582E-09	4.4197E-08	-0.22459	hypo	sig	chr8_29345441
chr12	3839348	3839348	+	6.584E-09	4.4209E-08	0.217586	hyper	sig	chr12_3839348
chr5	1.33E+08	132823158	+	6.589E-09	4.4242E-08	0.202149	hyper	sig	chr5_132823158
chr14	23391454	23391454	+	6.591E-09	4.4254E-08	-0.22759	hypo	sig	chr14_23391454
chr1	3212074	3212074	+	6.596E-09	4.4285E-08	0.226573	hyper	sig	chr1_3212074
chr3	49535380	49535380	+	6.6E-09	4.4313E-08	0.233343	hyper	sig	chr3_49535380
chr6	26017448	26017448	+	6.6E-09	4.4315E-08	0.202755	hyper	sig	chr6_26017448
chr8	40834739	40834739	+	6.602E-09	4.4327E-08	-0.21963	hypo	sig	chr8_40834739
chr4	7650574	7650574	+	6.603E-09	4.4335E-08	-0.21151	hypo	sig	chr4_7650574
chr7	1.12E+08	111563051	+	6.604E-09	4.4341E-08	-0.32933	hypo	sig	chr7_111563051
chr12	47810974	47810974	+	6.61E-09	4.4377E-08	0.207435	hyper	sig	chr12_47810974
chr21	45920273	45920273	+	6.621E-09	4.4449E-08	-0.20157	hypo	sig	chr21_45920273
chr20	22576830	22576830	+	6.623E-09	4.4459E-08	0.272017	hyper	sig	chr20_22576830
chr12	50842899	50842899	+	6.626E-09	4.4475E-08	0.221647	hyper	sig	chr12_50842899
chr7	1.58E+08	158239908	+	6.632E-09	4.4519E-08	-0.25657	hypo	sig	chr7_158239908
chr10	1475029	1475029	+	6.641E-09	4.4575E-08	-0.20596	hypo	sig	chr10_1475029
chr7	1.51E+08	151275122	+	6.652E-09	4.4644E-08	-0.3176	hypo	sig	chr7_151275122
chr8	1.44E+08	144336257	+	6.653E-09	4.4654E-08	0.202126	hyper	sig	chr8_144336257
chr4	55157835	55157835	+	6.654E-09	4.4658E-08	0.254866	hyper	sig	chr4_55157835
chr7	1.55E+08	155470678	+	6.657E-09	4.4677E-08	0.236063	hyper	sig	chr7_155470678
chr4	1.21E+08	121381104	+	6.658E-09	4.4685E-08	0.20292	hyper	sig	chr4_121381104
chr2	2.08E+08	208112224	+	6.662E-09	4.4711E-08	0.274492	hyper	sig	chr2_208112224
chr1	1.48E+08	148354727	+	6.663E-09	4.4717E-08	0.239515	hyper	sig	chr1_148354727
chr19	38213934	38213934	+	6.669E-09	4.4757E-08	-0.22496	hypo	sig	chr19_38213934
chr19	55366042	55366042	+	6.674E-09	4.4792E-08	-0.25615	hypo	sig	chr19_55366042
chr15	83283149	83283149	+	6.675E-09	4.4792E-08	0.20418	hyper	sig	chr15_83283149
chr16	77213253	77213253	+	6.675E-09	4.4792E-08	0.219473	hyper	sig	chr16_77213253
chr5	1.41E+08	141210290	+	6.675E-09	4.4792E-08	0.22646	hyper	sig	chr5_141210290
chr7	1.58E+08	157778380	+	6.68E-09	4.4824E-08	-0.22365	hypo	sig	chr7_157778380
chr4	52861525	52861525	+	6.683E-09	4.4847E-08	0.204212	hyper	sig	chr4_52861525
chr7	1.58E+08	158267012	+	6.684E-09	4.4854E-08	-0.22864	hypo	sig	chr7_158267012

chr19	617378	617378	+	6.69E-09	4.4889E-08	-0.26102	hypo	sig	chr19_617378
chr20	3240389	3240389	+	6.701E-09	4.4962E-08	0.215306	hyper	sig	chr20_3240389
chr12	1.1E+08	109773646	+	6.706E-09	4.4995E-08	-0.222	hypo	sig	chr12_109773646
chr11	76197918	76197918	+	6.711E-09	4.5027E-08	-0.21761	hypo	sig	chr11_76197918
chr20	63832726	63832726	+	6.72E-09	4.5081E-08	-0.21702	hypo	sig	chr20_63832726
chr16	1992735	1992735	+	6.729E-09	4.5139E-08	0.238152	hyper	sig	chr16_1992735
chr5	1.41E+08	141188584	+	6.73E-09	4.5151E-08	0.226672	hyper	sig	chr5_141188584
chr20	44400740	44400740	+	6.74E-09	4.5216E-08	-0.30644	hypo	sig	chr20_44400740
chr16	10112662	10112662	+	6.742E-09	4.5224E-08	-0.20885	hypo	sig	chr16_10112662
chr19	15911527	15911527	+	6.743E-09	4.5232E-08	0.208585	hyper	sig	chr19_15911527
chr12	1.32E+08	132374465	+	6.744E-09	4.5238E-08	-0.21612	hypo	sig	chr12_132374465
chr19	755288	755288	+	6.744E-09	4.5238E-08	-0.2353	hypo	sig	chr19_755288
chr3	1.82E+08	181695241	+	6.747E-09	4.5257E-08	0.200308	hyper	sig	chr3_181695241
chr20	610456	610456	+	6.748E-09	4.526E-08	0.201892	hyper	sig	chr20_610456
chr6	1.37E+08	137489937	+	6.749E-09	4.527E-08	0.254884	hyper	sig	chr6_137489937
chr1	28775090	28775090	+	6.762E-09	4.5355E-08	-0.20133	hypo	sig	chr1_28775090
chr19	29524875	29524875	+	6.766E-09	4.5377E-08	0.229064	hyper	sig	chr19_29524875
chr3	44555003	44555003	+	6.774E-09	4.5427E-08	0.224435	hyper	sig	chr3_44555003
chr6	10411184	10411184	+	6.776E-09	4.5444E-08	0.220446	hyper	sig	chr6_10411184
chr16	62037225	62037225	+	6.778E-09	4.5457E-08	0.217054	hyper	sig	chr16_62037225
chr4	99652491	99652491	+	6.779E-09	4.5462E-08	-0.22604	hypo	sig	chr4_99652491
chr2	11612324	11612324	+	6.782E-09	4.548E-08	-0.20141	hypo	sig	chr2_11612324
chr14	21096662	21096662	+	6.799E-09	4.5592E-08	0.217249	hyper	sig	chr14_21096662
chr20	63738603	63738603	+	6.802E-09	4.5606E-08	0.211766	hyper	sig	chr20_63738603
chr1	2207537	2207537	+	6.803E-09	4.5613E-08	0.251677	hyper	sig	chr1_2207537
chr8	1420340	1420340	+	6.815E-09	4.569E-08	-0.26264	hypo	sig	chr8_1420340
chr11	1918495	1918495	+	6.819E-09	4.5716E-08	-0.25618	hypo	sig	chr11_1918495
chr17	73293243	73293243	+	6.823E-09	4.5743E-08	0.209763	hyper	sig	chr17_73293243
chr9	1.22E+08	121815979	+	6.834E-09	4.5812E-08	0.245698	hyper	sig	chr9_121815979
chr19	50290920	50290920	+	6.836E-09	4.5827E-08	0.218933	hyper	sig	chr19_50290920
chr2	1.07E+08	106584426	+	6.837E-09	4.5831E-08	0.255284	hyper	sig	chr2_106584426
chr7	1.58E+08	157526048	+	6.84E-09	4.5848E-08	-0.20664	hypo	sig	chr7_157526048
chr13	1.13E+08	113111271	+	6.853E-09	4.5938E-08	0.227907	hyper	sig	chr13_113111271
chr10	59175865	59175865	+	6.86E-09	4.5983E-08	0.204161	hyper	sig	chr10_59175865
chr17	79212129	79212129	+	6.861E-09	4.5987E-08	-0.20623	hypo	sig	chr17_79212129
chr5	14487905	14487905	+	6.862E-09	4.5991E-08	0.227073	hyper	sig	chr5_14487905
chr16	11676305	11676305	+	6.87E-09	4.6041E-08	-0.23716	hypo	sig	chr16_11676305
chr17	35764893	35764893	+	6.875E-09	4.6072E-08	-0.22004	hypo	sig	chr17_35764893
chr10	1.33E+08	133105206	+	6.876E-09	4.6082E-08	0.212752	hyper	sig	chr10_133105206
chr9	1.33E+08	133422336	+	6.879E-09	4.61E-08	0.202392	hyper	sig	chr9_133422336
chr17	63435210	63435210	+	6.886E-09	4.6143E-08	-0.25153	hypo	sig	chr17_63435210
chr17	48554736	48554736	+	6.887E-09	4.6152E-08	0.246	hyper	sig	chr17_48554736
chr2	1.76E+08	176189461	+	6.888E-09	4.6158E-08	0.215035	hyper	sig	chr2_176189461
chr2	1.3E+08	129878536	+	6.889E-09	4.6164E-08	0.219493	hyper	sig	chr2_129878536
chr7	1505811	1505811	+	6.898E-09	4.6219E-08	-0.20776	hypo	sig	chr7_1505811
chr9	975788	975788	+	6.898E-09	4.622E-08	0.208714	hyper	sig	chr9_975788
chr16	87278383	87278383	+	6.901E-09	4.6238E-08	-0.21777	hypo	sig	chr16_87278383
chr14	64541977	64541977	+	6.911E-09	4.6301E-08	0.200257	hyper	sig	chr14_64541977
chr22	17842739	17842739	+	6.912E-09	4.6308E-08	-0.20817	hypo	sig	chr22_17842739
chr17	47424297	47424297	+	6.912E-09	4.6309E-08	0.208356	hyper	sig	chr17_47424297
chr7	1.29E+08	128654351	+	6.916E-09	4.6331E-08	0.220387	hyper	sig	chr7_128654351
chr12	1.32E+08	132261044	+	6.917E-09	4.634E-08	-0.22019	hypo	sig	chr12_132261044
chr6	1.05E+08	104941605	+	6.932E-09	4.6435E-08	0.211922	hyper	sig	chr6_104941605
chr20	63769953	63769953	+	6.937E-09	4.6471E-08	-0.20103	hypo	sig	chr20_63769953
chr11	2903358	2903358	+	6.939E-09	4.6482E-08	-0.23147	hypo	sig	chr11_2903358
chr2	1.13E+08	113059085	+	6.953E-09	4.657E-08	0.206967	hyper	sig	chr2_113059085

chr11	1.3E+08	129618814	+	6.957E-09	4.6599E-08	-0.23723	hypo	sig	chr11_129618814
chr6	10417161	10417161	+	6.958E-09	4.6606E-08	0.231197	hyper	sig	chr6_10417161
chr2	63057011	63057011	+	6.971E-09	4.6686E-08	0.207391	hyper	sig	chr2_63057011
chr12	30201553	30201553	+	6.972E-09	4.6695E-08	0.203342	hyper	sig	chr12_30201553
chr7	63790626	63790626	+	6.974E-09	4.6707E-08	0.223418	hyper	sig	chr7_63790626
chr19	38566936	38566936	+	6.983E-09	4.6764E-08	-0.20875	hypo	sig	chr19_38566936
chr7	1.56E+08	156124151	+	6.984E-09	4.6769E-08	-0.21898	hypo	sig	chr7_156124151
chr14	1.06E+08	105537196	+	6.99E-09	4.681E-08	-0.21826	hypo	sig	chr14_105537196
chr5	1.4E+08	139660516	+	6.991E-09	4.6812E-08	-0.26276	hypo	sig	chr5_139660516
chr4	49271463	49271463	+	6.996E-09	4.6848E-08	-0.20153	hypo	sig	chr4_49271463
chr16	85486576	85486576	+	6.999E-09	4.6863E-08	-0.24896	hypo	sig	chr16_85486576
chr16	535419	535419	+	7.003E-09	4.6892E-08	-0.20633	hypo	sig	chr16_535419
chr6	1.1E+08	109980009	+	7.004E-09	4.6894E-08	0.210379	hyper	sig	chr6_109980009
chr20	56627108	56627108	+	7.012E-09	4.6949E-08	0.299461	hyper	sig	chr20_56627108
chr19	22634546	22634546	+	7.014E-09	4.6961E-08	0.203927	hyper	sig	chr19_22634546
chr18	79629112	79629112	+	7.014E-09	4.6962E-08	-0.22182	hypo	sig	chr18_79629112
chr2	2.39E+08	238720302	+	7.03E-09	4.7066E-08	-0.22986	hypo	sig	chr2_238720302
chr20	46210339	46210339	+	7.032E-09	4.7077E-08	0.254358	hyper	sig	chr20_46210339
chr22	20297081	20297081	+	7.038E-09	4.7116E-08	-0.23408	hypo	sig	chr22_20297081
chr19	35034148	35034148	+	7.04E-09	4.7125E-08	-0.21943	hypo	sig	chr19_35034148
chr17	81992315	81992315	+	7.05E-09	4.7193E-08	0.256267	hyper	sig	chr17_81992315
chr10	25933862	25933862	+	7.051E-09	4.7197E-08	0.212383	hyper	sig	chr10_25933862
chr2	73291103	73291103	+	7.056E-09	4.7232E-08	0.204271	hyper	sig	chr2_73291103
chr11	67996574	67996574	+	7.058E-09	4.7242E-08	-0.20676	hypo	sig	chr11_67996574
chr16	1068930	1068930	+	7.066E-09	4.7296E-08	-0.26409	hypo	sig	chr16_1068930
chr3	1.83E+08	183254837	+	7.072E-09	4.733E-08	-0.21925	hypo	sig	chr3_183254837
chr14	1.04E+08	104158941	+	7.073E-09	4.7338E-08	-0.20328	hypo	sig	chr14_104158941
chr16	66975290	66975290	+	7.078E-09	4.7368E-08	-0.20831	hypo	sig	chr16_66975290
chr4	7591650	7591650	+	7.09E-09	4.7447E-08	-0.21053	hypo	sig	chr4_7591650
chr16	14303828	14303828	+	7.097E-09	4.7489E-08	0.210881	hyper	sig	chr16_14303828
chr5	1555739	1555739	+	7.097E-09	4.7489E-08	-0.20271	hypo	sig	chr5_1555739
chr1	1.48E+08	148354593	+	7.125E-09	4.7673E-08	0.295836	hyper	sig	chr1_148354593
chr7	1.28E+08	128207510	+	7.13E-09	4.77E-08	-0.27038	hypo	sig	chr7_128207510
chr11	2169990	2169990	+	7.134E-09	4.7724E-08	-0.20217	hypo	sig	chr11_2169990
chr14	56809567	56809567	+	7.135E-09	4.7733E-08	0.324085	hyper	sig	chr14_56809567
chr1	1.48E+08	147902739	+	7.138E-09	4.775E-08	-0.24508	hypo	sig	chr1_147902739
chr3	59048840	59048840	+	7.146E-09	4.7804E-08	-0.22309	hypo	sig	chr3_59048840
chr3	46577178	46577178	+	7.149E-09	4.7819E-08	0.258125	hyper	sig	chr3_46577178
chr16	30063750	30063750	+	7.156E-09	4.7865E-08	0.208021	hyper	sig	chr16_30063750
chr19	35142626	35142626	+	7.157E-09	4.7872E-08	-0.21483	hypo	sig	chr19_35142626
chr3	1.26E+08	125924991	+	7.158E-09	4.7877E-08	0.22283	hyper	sig	chr3_125924991
chr16	88732385	88732385	+	7.163E-09	4.7911E-08	0.20495	hyper	sig	chr16_88732385
chr5	17498208	17498208	+	7.175E-09	4.7984E-08	-0.2043	hypo	sig	chr5_17498208
chr13	36346761	36346761	+	7.18E-09	4.8017E-08	0.203436	hyper	sig	chr13_36346761
chr16	86569947	86569947	+	7.186E-09	4.8056E-08	0.202461	hyper	sig	chr16_86569947
chr1	53088893	53088893	+	7.191E-09	4.8087E-08	-0.20827	hypo	sig	chr1_53088893
chr9	1.35E+08	135089559	+	7.194E-09	4.8111E-08	-0.21898	hypo	sig	chr9_135089559
chr16	54939254	54939254	+	7.195E-09	4.8116E-08	0.279862	hyper	sig	chr16_54939254
chr11	30584174	30584174	+	7.201E-09	4.8152E-08	0.271861	hyper	sig	chr11_30584174
chr16	1992730	1992730	+	7.208E-09	4.8198E-08	0.235845	hyper	sig	chr16_1992730
chr2	1.29E+08	128902260	+	7.222E-09	4.8285E-08	0.205051	hyper	sig	chr2_128902260
chr3	1.26E+08	125756174	+	7.223E-09	4.8292E-08	-0.2145	hypo	sig	chr3_125756174
chr17	50508062	50508062	+	7.225E-09	4.8305E-08	0.244912	hyper	sig	chr17_50508062
chr5	1021648	1021648	+	7.247E-09	4.8447E-08	-0.24714	hypo	sig	chr5_1021648
chr17	796814	796814	+	7.248E-09	4.8451E-08	-0.20461	hypo	sig	chr17_796814
chr7	2937352	2937352	+	7.251E-09	4.8471E-08	-0.2127	hypo	sig	chr7_2937352

chr18	74316210	74316210	+	7.257E-09	4.851E-08	-0.21372	hypo	sig	chr18_74316210
chr9	1.38E+08	137788756	+	7.268E-09	4.8579E-08	-0.24392	hypo	sig	chr9_137788756
chr5	1.8E+08	179794019	+	7.276E-09	4.8628E-08	0.245775	hyper	sig	chr5_179794019
chr19	40224479	40224479	+	7.283E-09	4.8672E-08	-0.3015	hypo	sig	chr19_40224479
chr17	38924120	38924120	+	7.284E-09	4.8682E-08	-0.20181	hypo	sig	chr17_38924120
chr6	52573977	52573977	+	7.285E-09	4.8686E-08	0.2274	hyper	sig	chr6_52573977
chr11	865931	865931	+	7.286E-09	4.8691E-08	-0.20312	hypo	sig	chr11_865931
chr16	3188493	3188493	+	7.291E-09	4.8724E-08	0.204148	hyper	sig	chr16_3188493
chr2	63806614	63806614	+	7.296E-09	4.8754E-08	-0.27968	hypo	sig	chr2_63806614
chr3	52226016	52226016	+	7.298E-09	4.8769E-08	-0.23036	hypo	sig	chr3_52226016
chr7	1748275	1748275	+	7.301E-09	4.8785E-08	-0.22488	hypo	sig	chr7_1748275
chr13	98450913	98450913	+	7.301E-09	4.8789E-08	0.211367	hyper	sig	chr13_98450913
chr1	90717484	90717484	+	7.303E-09	4.8798E-08	0.247012	hyper	sig	chr1_90717484
chr16	30895936	30895936	+	7.306E-09	4.8817E-08	0.232834	hyper	sig	chr16_30895936
chr16	3193492	3193492	+	7.307E-09	4.8827E-08	0.207859	hyper	sig	chr16_3193492
chr3	25573079	25573079	+	7.313E-09	4.8864E-08	-0.25091	hypo	sig	chr3_25573079
chr5	1.41E+08	140802316	+	7.314E-09	4.8867E-08	0.217966	hyper	sig	chr5_140802316
chr19	1465224	1465224	+	7.316E-09	4.8883E-08	0.210898	hyper	sig	chr19_1465224
chr19	4670729	4670729	+	7.332E-09	4.8989E-08	-0.24301	hypo	sig	chr19_4670729
chr20	63480202	63480202	+	7.34E-09	4.904E-08	-0.2805	hypo	sig	chr20_63480202
chr5	25911187	25911187	+	7.342E-09	4.9051E-08	-0.23627	hypo	sig	chr5_25911187
chr16	84807016	84807016	+	7.343E-09	4.9056E-08	-0.20856	hypo	sig	chr16_84807016
chr7	63054416	63054416	+	7.351E-09	4.9105E-08	0.237709	hyper	sig	chr7_63054416
chr17	61454428	61454428	+	7.354E-09	4.9126E-08	0.222982	hyper	sig	chr17_61454428
chr7	1E+08	100390230	+	7.356E-09	4.9142E-08	-0.22137	hypo	sig	chr7_100390230
chr1	2931593	2931593	+	7.361E-09	4.9172E-08	-0.22949	hypo	sig	chr1_2931593
chr22	48577115	48577115	+	7.363E-09	4.9184E-08	0.202713	hyper	sig	chr22_48577115
chr5	1.81E+08	180630303	+	7.376E-09	4.9264E-08	-0.22316	hypo	sig	chr5_180630303
chr21	44989981	44989981	+	7.382E-09	4.9303E-08	0.284331	hyper	sig	chr21_44989981
chr11	65040298	65040298	+	7.382E-09	4.9308E-08	-0.22147	hypo	sig	chr11_65040298
chr16	49278080	49278080	+	7.384E-09	4.9319E-08	0.213949	hyper	sig	chr16_49278080
chr4	8606224	8606224	+	7.384E-09	4.9319E-08	-0.2175	hypo	sig	chr4_8606224
chr5	1658919	1658919	+	7.384E-09	4.9319E-08	-0.21425	hypo	sig	chr5_1658919
chr14	99066556	99066556	+	7.385E-09	4.9323E-08	-0.20465	hypo	sig	chr14_99066556
chr16	20351702	20351702	+	7.387E-09	4.9332E-08	-0.22752	hypo	sig	chr16_20351702
chr12	34290724	34290724	+	7.392E-09	4.9366E-08	-0.24881	hypo	sig	chr12_34290724
chr13	20177563	20177563	+	7.399E-09	4.941E-08	0.278048	hyper	sig	chr13_20177563
chr9	1.37E+08	136821074	+	7.401E-09	4.9422E-08	0.223043	hyper	sig	chr9_136821074
chr14	1.06E+08	105564771	+	7.402E-09	4.9426E-08	-0.22502	hypo	sig	chr14_105564771
chr1	76075289	76075289	+	7.41E-09	4.9483E-08	0.264159	hyper	sig	chr1_76075289
chr4	3369746	3369746	+	7.412E-09	4.9492E-08	0.210985	hyper	sig	chr4_3369746
chr1	17423747	17423747	+	7.412E-09	4.9496E-08	0.231309	hyper	sig	chr1_17423747
chr16	795786	795786	+	7.414E-09	4.9507E-08	-0.22457	hypo	sig	chr16_795786
chr20	63696181	63696181	+	7.417E-09	4.9527E-08	-0.21286	hypo	sig	chr20_63696181
chr7	1.51E+08	151014132	+	7.419E-09	4.9539E-08	0.261598	hyper	sig	chr7_151014132
chr19	48666987	48666987	+	7.423E-09	4.9562E-08	0.21538	hyper	sig	chr19_48666987
chr13	1.12E+08	112245401	+	7.432E-09	4.9618E-08	-0.24421	hypo	sig	chr13_112245401
chr1	75132202	75132202	+	7.434E-09	4.9629E-08	0.249716	hyper	sig	chr1_75132202
chr16	3029629	3029629	+	7.437E-09	4.9647E-08	0.214157	hyper	sig	chr16_3029629
chr5	60743738	60743738	+	7.443E-09	4.9685E-08	-0.20174	hypo	sig	chr5_60743738
chr19	345338	345338	+	7.443E-09	4.9688E-08	0.210514	hyper	sig	chr19_345338
chr1	2239600	2239600	+	7.444E-09	4.9695E-08	-0.20451	hypo	sig	chr1_2239600
chr2	63806693	63806693	+	7.446E-09	4.9705E-08	-0.22292	hypo	sig	chr2_63806693
chr7	27143846	27143846	+	7.456E-09	4.977E-08	0.238316	hyper	sig	chr7_27143846
chr14	69850165	69850165	+	7.456E-09	4.9771E-08	-0.22294	hypo	sig	chr14_69850165
chr20	845064	845064	+	7.469E-09	4.9851E-08	0.229105	hyper	sig	chr20_845064

chr2	2.19E+08	218995068	+	7.47E-09	4.9855E-08	0.275874	hyper	sig	chr2_218995068
chr19	49515994	49515994	+	7.472E-09	4.9868E-08	-0.20652	hypo	sig	chr19_49515994
chr19	3831766	3831766	+	7.475E-09	4.9887E-08	-0.23818	hypo	sig	chr19_3831766
chr15	96777394	96777394	+	7.477E-09	4.9899E-08	-0.23113	hypo	sig	chr15_96777394
chr6	41208791	41208791	+	7.477E-09	4.99E-08	-0.21491	hypo	sig	chr6_41208791
chr15	67820667	67820667	+	7.484E-09	4.9944E-08	0.262525	hyper	sig	chr15_67820667
chr5	2537851	2537851	+	7.484E-09	4.9945E-08	-0.21133	hypo	sig	chr5_2537851
chr8	30656191	30656191	+	7.493E-09	5.0004E-08	-0.20985	hypo	sig	chr8_30656191
chr17	62667359	62667359	+	7.499E-09	5.0043E-08	-0.20142	hypo	sig	chr17_62667359
chr8	1483113	1483113	+	7.502E-09	5.0063E-08	-0.23413	hypo	sig	chr8_1483113
chr11	1310982	1310982	+	7.505E-09	5.008E-08	-0.25827	hypo	sig	chr11_1310982
chr6	42911326	42911326	+	7.511E-09	5.0122E-08	0.281204	hyper	sig	chr6_42911326
chr5	1.41E+08	141376250	+	7.513E-09	5.0133E-08	0.213504	hyper	sig	chr5_141376250
chr5	15935555	15935555	+	7.521E-09	5.0186E-08	-0.26889	hypo	sig	chr5_15935555
chr7	1.56E+08	155534608	+	7.524E-09	5.0199E-08	0.20014	hyper	sig	chr7_155534608
chr7	45597621	45597621	+	7.524E-09	5.0199E-08	-0.20995	hypo	sig	chr7_45597621
chr1	1272477	1272477	+	7.527E-09	5.0216E-08	-0.20813	hypo	sig	chr1_1272477
chr1	90725495	90725495	+	7.529E-09	5.0233E-08	0.20686	hyper	sig	chr1_90725495
chr14	91575646	91575646	+	7.529E-09	5.0233E-08	-0.27226	hypo	sig	chr14_91575646
chr11	65047445	65047445	+	7.53E-09	5.0236E-08	0.274479	hyper	sig	chr11_65047445
chr16	31487146	31487146	+	7.531E-09	5.0242E-08	-0.22332	hypo	sig	chr16_31487146
chr21	44391629	44391629	+	7.534E-09	5.0257E-08	0.233198	hyper	sig	chr21_44391629
chr1	38804623	38804623	+	7.536E-09	5.0276E-08	0.252767	hyper	sig	chr1_38804623
chr3	49199912	49199912	+	7.538E-09	5.0283E-08	0.20876	hyper	sig	chr3_49199912
chr16	86754092	86754092	+	7.539E-09	5.0295E-08	-0.26526	hypo	sig	chr16_86754092
chr17	48541560	48541560	+	7.549E-09	5.0354E-08	0.308442	hyper	sig	chr17_48541560
chr21	34669364	34669364	+	7.559E-09	5.0422E-08	0.203701	hyper	sig	chr21_34669364
chr7	946160	946160	+	7.561E-09	5.043E-08	-0.20619	hypo	sig	chr7_946160
chr15	93048455	93048455	+	7.576E-09	5.0528E-08	-0.21225	hypo	sig	chr15_93048455
chr6	1.34E+08	133889477	+	7.588E-09	5.0606E-08	0.224201	hyper	sig	chr6_133889477
chr11	1.17E+08	116580913	+	7.591E-09	5.0624E-08	0.234936	hyper	sig	chr11_116580913
chr17	78904656	78904656	+	7.609E-09	5.0734E-08	-0.20637	hypo	sig	chr17_78904656
chr9	1.32E+08	131578914	+	7.61E-09	5.0742E-08	-0.23087	hypo	sig	chr9_131578914
chr14	1.06E+08	106286946	+	7.634E-09	5.0895E-08	-0.21428	hypo	sig	chr14_106286946
chr4	1.57E+08	157222900	+	7.64E-09	5.0933E-08	0.218097	hyper	sig	chr4_157222900
chr6	32153379	32153379	+	7.644E-09	5.096E-08	0.201145	hyper	sig	chr6_32153379
chr6	40599562	40599562	+	7.651E-09	5.1002E-08	0.201617	hyper	sig	chr6_40599562
chr11	14905953	14905953	+	7.663E-09	5.1079E-08	-0.20816	hypo	sig	chr11_14905953
chr7	1.3E+08	130272975	+	7.678E-09	5.1179E-08	0.242875	hyper	sig	chr7_130272975
chr2	2.37E+08	237474101	+	7.68E-09	5.1191E-08	-0.21083	hypo	sig	chr2_237474101
chr13	91175063	91175063	+	7.685E-09	5.122E-08	0.282808	hyper	sig	chr13_91175063
chr19	40812021	40812021	+	7.687E-09	5.1235E-08	0.216479	hyper	sig	chr19_40812021
chr12	1.25E+08	124777985	+	7.687E-09	5.1238E-08	-0.22232	hypo	sig	chr12_124777985
chr3	1.23E+08	122926666	+	7.688E-09	5.124E-08	-0.27632	hypo	sig	chr3_122926666
chr11	31826040	31826040	+	7.697E-09	5.1298E-08	0.248315	hyper	sig	chr11_31826040
chr20	21702187	21702187	+	7.706E-09	5.1358E-08	0.211233	hyper	sig	chr20_21702187
chr3	6861577	6861577	+	7.712E-09	5.1397E-08	0.258589	hyper	sig	chr3_6861577
chr3	1.2E+08	119700646	+	7.717E-09	5.1428E-08	-0.20714	hypo	sig	chr3_119700646
chr12	1.23E+08	122895061	+	7.722E-09	5.1459E-08	-0.21217	hypo	sig	chr12_122895061
chr5	1.8E+08	179554001	+	7.723E-09	5.1462E-08	-0.27082	hypo	sig	chr5_179554001
chr2	2.08E+08	207767810	+	7.723E-09	5.1466E-08	-0.24496	hypo	sig	chr2_207767810
chr1	1.8E+08	179812683	+	7.732E-09	5.1517E-08	-0.20467	hypo	sig	chr1_179812683
chr14	36510634	36510634	+	7.734E-09	5.1535E-08	0.20317	hyper	sig	chr14_36510634
chr1	1.52E+08	152108898	+	7.735E-09	5.1537E-08	0.206431	hyper	sig	chr1_152108898
chr19	3162869	3162869	+	7.735E-09	5.1541E-08	-0.20482	hypo	sig	chr19_3162869
chr5	1.77E+08	176880863	+	7.737E-09	5.1552E-08	-0.21867	hypo	sig	chr5_176880863

chr10	53925257	53925257	+	7.742E-09	5.1583E-08	-0.21429	hypo	sig	chr10_53925257
chr5	1.69E+08	169298177	+	7.752E-09	5.1644E-08	-0.20956	hypo	sig	chr5_169298177
chr1	11692159	11692159	+	7.752E-09	5.1646E-08	0.201637	hyper	sig	chr1_11692159
chr19	10713096	10713096	+	7.755E-09	5.1665E-08	-0.21392	hypo	sig	chr19_10713096
chr18	37254725	37254725	+	7.76E-09	5.1698E-08	0.212167	hyper	sig	chr18_37254725
chr2	96116210	96116210	+	7.762E-09	5.1713E-08	0.251441	hyper	sig	chr2_96116210
chr12	1.15E+08	114688316	+	7.763E-09	5.1714E-08	0.220978	hyper	sig	chr12_114688316
chr7	1.59E+08	159157188	+	7.765E-09	5.1724E-08	-0.24477	hypo	sig	chr7_159157188
chr20	845028	845028	+	7.774E-09	5.1781E-08	0.20215	hyper	sig	chr20_845028
chr16	57260436	57260436	+	7.775E-09	5.1788E-08	0.218918	hyper	sig	chr16_57260436
chr18	37567583	37567583	+	7.775E-09	5.1789E-08	0.23684	hyper	sig	chr18_37567583
chr17	77389187	77389187	+	7.78E-09	5.1819E-08	0.217356	hyper	sig	chr17_77389187
chr14	64601893	64601893	+	7.805E-09	5.1975E-08	0.218607	hyper	sig	chr14_64601893
chr19	617348	617348	+	7.816E-09	5.2047E-08	-0.22176	hypo	sig	chr19_617348
chr9	35036339	35036339	+	7.817E-09	5.2049E-08	0.211501	hyper	sig	chr9_35036339
chr3	1.79E+08	179260982	+	7.817E-09	5.2053E-08	-0.22393	hypo	sig	chr3_179260982
chr18	36188469	36188469	+	7.817E-09	5.2053E-08	-0.25751	hypo	sig	chr18_36188469
chr5	1277300	1277300	+	7.826E-09	5.2108E-08	-0.24895	hypo	sig	chr5_1277300
chr10	25935038	25935038	+	7.827E-09	5.2113E-08	0.233949	hyper	sig	chr10_25935038
chr16	51113865	51113865	+	7.832E-09	5.2144E-08	0.229756	hyper	sig	chr16_51113865
chr1	2.04E+08	203631618	+	7.832E-09	5.2145E-08	0.219494	hyper	sig	chr1_203631618
chr16	85173764	85173764	+	7.833E-09	5.2151E-08	0.240312	hyper	sig	chr16_85173764
chr5	1.41E+08	141423382	+	7.833E-09	5.2151E-08	0.246618	hyper	sig	chr5_141423382
chr7	1.59E+08	159143851	+	7.841E-09	5.2204E-08	0.215922	hyper	sig	chr7_159143851
chr1	1.15E+08	114855266	+	7.842E-09	5.2207E-08	0.25922	hyper	sig	chr1_114855266
chr9	88990950	88990950	+	7.843E-09	5.2213E-08	0.235959	hyper	sig	chr9_88990950
chr2	1.39E+08	138781079	+	7.847E-09	5.2244E-08	0.249033	hyper	sig	chr2_138781079
chr13	1.11E+08	110562916	+	7.854E-09	5.2283E-08	-0.30105	hypo	sig	chr13_110562916
chr12	13103705	13103705	+	7.856E-09	5.2296E-08	-0.23267	hypo	sig	chr12_13103705
chr19	40554700	40554700	+	7.863E-09	5.2344E-08	0.244958	hyper	sig	chr19_40554700
chr7	1.3E+08	130490986	+	7.872E-09	5.2398E-08	0.264444	hyper	sig	chr7_130490986
chr11	68269925	68269925	+	7.872E-09	5.2401E-08	0.250794	hyper	sig	chr11_68269925
chr16	71230583	71230583	+	7.872E-09	5.2401E-08	0.207535	hyper	sig	chr16_71230583
chr10	26216659	26216659	+	7.875E-09	5.2421E-08	0.245363	hyper	sig	chr10_26216659
chr14	1.01E+08	100825509	+	7.887E-09	5.2496E-08	0.217831	hyper	sig	chr14_100825509
chr20	31485743	31485743	+	7.887E-09	5.2497E-08	0.243831	hyper	sig	chr20_31485743
chr10	1.33E+08	133026174	+	7.889E-09	5.2511E-08	-0.22025	hypo	sig	chr10_133026174
chr5	1.41E+08	141431614	+	7.895E-09	5.2547E-08	0.205651	hyper	sig	chr5_141431614
chr5	1.71E+08	170744439	+	7.906E-09	5.2621E-08	0.230603	hyper	sig	chr5_170744439
chr10	42113379	42113379	+	7.908E-09	5.2634E-08	0.205876	hyper	sig	chr10_42113379
chr19	7844033	7844033	+	7.912E-09	5.2655E-08	-0.21572	hypo	sig	chr19_7844033
chr11	2412238	2412238	+	7.92E-09	5.2704E-08	-0.21532	hypo	sig	chr11_2412238
chr1	1.47E+08	147079577	+	7.927E-09	5.2751E-08	0.310854	hyper	sig	chr1_147079577
chr8	935283	935283	+	7.935E-09	5.2804E-08	-0.2186	hypo	sig	chr8_935283
chr14	1.05E+08	104574971	+	7.937E-09	5.2811E-08	-0.23811	hypo	sig	chr14_104574971
chr9	1.36E+08	135987788	+	7.938E-09	5.282E-08	-0.20147	hypo	sig	chr9_135987788
chr6	28977389	28977389	+	7.939E-09	5.2829E-08	0.223077	hyper	sig	chr6_28977389
chr8	76682792	76682792	+	7.941E-09	5.2836E-08	0.241695	hyper	sig	chr8_76682792
chr10	26212174	26212174	+	7.946E-09	5.2872E-08	0.240913	hyper	sig	chr10_26212174
chr19	52451424	52451424	+	7.946E-09	5.2873E-08	0.235535	hyper	sig	chr19_52451424
chr18	79436098	79436098	+	7.948E-09	5.2884E-08	-0.2273	hypo	sig	chr18_79436098
chr14	94768399	94768399	+	7.952E-09	5.2908E-08	0.258855	hyper	sig	chr14_94768399
chr6	30451561	30451561	+	7.963E-09	5.298E-08	0.242988	hyper	sig	chr6_30451561
chr15	72228347	72228347	+	7.966E-09	5.2994E-08	-0.21066	hypo	sig	chr15_72228347
chr12	6555469	6555469	+	7.967E-09	5.3002E-08	0.270638	hyper	sig	chr12_6555469
chr16	67156094	67156094	+	7.971E-09	5.3028E-08	0.224307	hyper	sig	chr16_67156094

chr14	1.06E+08	105508982	+	7.974E-09	5.3048E-08	-0.20236	hypo	sig	chr14_105508982
chr13	99974842	99974842	+	7.975E-09	5.3051E-08	0.241894	hyper	sig	chr13_99974842
chr4	7281477	7281477	+	7.987E-09	5.3125E-08	-0.22562	hypo	sig	chr4_7281477
chr2	85878892	85878892	+	7.99E-09	5.3146E-08	-0.27904	hypo	sig	chr2_85878892
chr9	41124471	41124471	+	7.991E-09	5.3154E-08	0.298176	hyper	sig	chr9_41124471
chr9	1.34E+08	134026447	+	7.998E-09	5.3199E-08	0.263582	hyper	sig	chr9_134026447
chr10	75408740	75408740	+	8.002E-09	5.3222E-08	0.256732	hyper	sig	chr10_75408740
chr16	85642925	85642925	+	8.004E-09	5.3237E-08	-0.20825	hypo	sig	chr16_85642925
chr19	56839515	56839515	+	8.01E-09	5.3272E-08	0.251382	hyper	sig	chr19_56839515
chr15	70089113	70089113	+	8.018E-09	5.3323E-08	0.359027	hyper	sig	chr15_70089113
chr16	89315841	89315841	+	8.018E-09	5.3324E-08	-0.24296	hypo	sig	chr16_89315841
chr16	10578195	10578195	+	8.019E-09	5.333E-08	0.204128	hyper	sig	chr16_10578195
chr1	2.17E+08	217137292	+	8.021E-09	5.3339E-08	0.206051	hyper	sig	chr1_217137292
chr5	1239524	1239524	+	8.026E-09	5.3373E-08	-0.20019	hypo	sig	chr5_1239524
chr6	7426986	7426986	+	8.028E-09	5.3387E-08	0.231862	hyper	sig	chr6_7426986
chr12	1.1E+08	109554941	+	8.036E-09	5.3435E-08	-0.21598	hypo	sig	chr12_109554941
chr3	51942651	51942651	+	8.037E-09	5.3443E-08	-0.2048	hypo	sig	chr3_51942651
chr1	1.65E+08	165235279	+	8.037E-09	5.3443E-08	0.202841	hyper	sig	chr1_165235279
chr15	61216839	61216839	+	8.045E-09	5.3492E-08	-0.22686	hypo	sig	chr15_61216839
chr13	94713820	94713820	+	8.05E-09	5.3524E-08	0.203234	hyper	sig	chr13_94713820
chr20	63738536	63738536	+	8.069E-09	5.3647E-08	0.200678	hyper	sig	chr20_63738536
chr20	45471100	45471100	+	8.073E-09	5.3671E-08	0.216314	hyper	sig	chr20_45471100
chr19	56663675	56663675	+	8.075E-09	5.3687E-08	-0.25439	hypo	sig	chr19_56663675
chr12	1.21E+08	121005438	+	8.08E-09	5.3722E-08	-0.20443	hypo	sig	chr12_121005438
chr3	63278528	63278528	+	8.09E-09	5.3781E-08	0.225153	hyper	sig	chr3_63278528
chr16	3018006	3018006	+	8.106E-09	5.3884E-08	0.225822	hyper	sig	chr16_3018006
chr14	90518201	90518201	+	8.11E-09	5.3906E-08	0.226132	hyper	sig	chr14_90518201
chr22	45890017	45890017	+	8.114E-09	5.3936E-08	0.220959	hyper	sig	chr22_45890017
chr5	1176764	1176764	+	8.115E-09	5.3938E-08	-0.29626	hypo	sig	chr5_1176764
chr1	3037829	3037829	+	8.117E-09	5.3949E-08	-0.24002	hypo	sig	chr1_3037829
chr4	1.69E+08	168877780	+	8.12E-09	5.3969E-08	0.241009	hyper	sig	chr4_168877780
chr2	10014266	10014266	+	8.129E-09	5.4028E-08	-0.20177	hypo	sig	chr2_10014266
chr18	11752121	11752121	+	8.131E-09	5.4044E-08	0.232033	hyper	sig	chr18_11752121
chr11	49048970	49048970	+	8.146E-09	5.4139E-08	0.220862	hyper	sig	chr11_49048970
chr13	20193948	20193948	+	8.152E-09	5.4173E-08	0.206944	hyper	sig	chr13_20193948
chr10	75238640	75238640	+	8.153E-09	5.4182E-08	-0.22026	hypo	sig	chr10_75238640
chr13	1.12E+08	112241531	+	8.156E-09	5.4201E-08	-0.21053	hypo	sig	chr13_112241531
chr7	1620923	1620923	+	8.161E-09	5.423E-08	-0.22049	hypo	sig	chr7_1620923
chr14	23375667	23375667	+	8.169E-09	5.4281E-08	-0.20685	hypo	sig	chr14_23375667
chr17	7852242	7852242	+	8.17E-09	5.4289E-08	0.207406	hyper	sig	chr17_7852242
chr19	523166	523166	+	8.18E-09	5.435E-08	-0.2472	hypo	sig	chr19_523166
chr5	1.41E+08	141172952	+	8.198E-09	5.4465E-08	0.220473	hyper	sig	chr5_141172952
chr2	72925589	72925589	+	8.201E-09	5.4488E-08	0.266461	hyper	sig	chr2_72925589
chr15	63321813	63321813	+	8.202E-09	5.4491E-08	-0.22599	hypo	sig	chr15_63321813
chr10	1.33E+08	132920158	+	8.204E-09	5.4507E-08	-0.32047	hypo	sig	chr10_132920158
chr19	44776587	44776587	+	8.206E-09	5.4519E-08	-0.21925	hypo	sig	chr19_44776587
chr7	5083532	5083532	+	8.214E-09	5.4569E-08	-0.21451	hypo	sig	chr7_5083532
chr20	419684	419684	+	8.217E-09	5.4583E-08	-0.26815	hypo	sig	chr20_419684
chr9	1.38E+08	137789145	+	8.222E-09	5.4619E-08	-0.29891	hypo	sig	chr9_137789145
chr1	2.17E+08	217138286	+	8.227E-09	5.4651E-08	0.234941	hyper	sig	chr1_217138286
chr11	1.23E+08	123438587	+	8.23E-09	5.4666E-08	-0.22609	hypo	sig	chr11_123438587
chr5	1.41E+08	140882779	+	8.235E-09	5.4702E-08	0.218357	hyper	sig	chr5_140882779
chr7	2906337	2906337	+	8.242E-09	5.4746E-08	-0.26659	hypo	sig	chr7_2906337
chr8	1.43E+08	142612903	+	8.253E-09	5.4816E-08	-0.23726	hypo	sig	chr8_142612903
chr11	1.35E+08	134712864	+	8.279E-09	5.498E-08	-0.21224	hypo	sig	chr11_134712864
chr12	1.02E+08	101642591	+	8.286E-09	5.5021E-08	0.238291	hyper	sig	chr12_101642591

chr5	1243568	1243568	+	8.289E-09	5.5045E-08	0.214275	hyper	sig	chr5_1243568
chr12	52319360	52319360	+	8.296E-09	5.5086E-08	-0.22648	hypo	sig	chr12_52319360
chr7	90211115	90211115	+	8.298E-09	5.5097E-08	-0.24056	hypo	sig	chr7_90211115
chr11	1.13E+08	113275083	+	8.298E-09	5.51E-08	-0.22598	hypo	sig	chr11_113275083
chr5	1.55E+08	154691756	+	8.302E-09	5.5124E-08	0.251773	hyper	sig	chr5_154691756
chr2	2.4E+08	239802172	+	8.311E-09	5.5183E-08	-0.2979	hypo	sig	chr2_239802172
chr19	8699903	8699903	+	8.318E-09	5.5226E-08	-0.22995	hypo	sig	chr19_8699903
chr17	41524125	41524125	+	8.321E-09	5.5243E-08	-0.21066	hypo	sig	chr17_41524125
chr10	1.31E+08	131144423	+	8.324E-09	5.5267E-08	-0.20244	hypo	sig	chr10_131144423
chr16	1105294	1105294	+	8.33E-09	5.5305E-08	-0.23995	hypo	sig	chr16_1105294
chr5	1.41E+08	140862649	+	8.332E-09	5.5312E-08	0.260721	hyper	sig	chr5_140862649
chr11	1029327	1029327	+	8.338E-09	5.5352E-08	-0.24424	hypo	sig	chr11_1029327
chr12	1.31E+08	130611483	+	8.346E-09	5.5404E-08	0.211997	hyper	sig	chr12_130611483
chr17	50128919	50128919	+	8.349E-09	5.5424E-08	-0.20196	hypo	sig	chr17_50128919
chr17	48551348	48551348	+	8.353E-09	5.5448E-08	0.226587	hyper	sig	chr17_48551348
chr20	45124408	45124408	+	8.354E-09	5.5455E-08	-0.21532	hypo	sig	chr20_45124408
chr2	1.76E+08	176083212	+	8.357E-09	5.5474E-08	0.216733	hyper	sig	chr2_176083212
chr7	1223395	1223395	+	8.384E-09	5.5644E-08	-0.20794	hypo	sig	chr7_1223395
chr10	1.01E+08	101284489	+	8.384E-09	5.5645E-08	0.214494	hyper	sig	chr10_101284489
chr1	62321618	62321618	+	8.385E-09	5.5654E-08	-0.2019	hypo	sig	chr1_62321618
chr2	2.35E+08	235493304	+	8.389E-09	5.5675E-08	0.26286	hyper	sig	chr2_235493304
chr1	17423733	17423733	+	8.391E-09	5.5687E-08	0.222346	hyper	sig	chr1_17423733
chr4	55125776	55125776	+	8.393E-09	5.5698E-08	0.207897	hyper	sig	chr4_55125776
chr16	85400176	85400176	+	8.394E-09	5.5703E-08	-0.27364	hypo	sig	chr16_85400176
chr9	1.37E+08	137352860	+	8.4E-09	5.5747E-08	-0.25052	hypo	sig	chr9_137352860
chr19	3482748	3482748	+	8.407E-09	5.5792E-08	-0.20394	hypo	sig	chr19_3482748
chr14	85529499	85529499	+	8.411E-09	5.5812E-08	0.23534	hyper	sig	chr14_85529499
chr13	36345277	36345277	+	8.414E-09	5.5833E-08	0.203695	hyper	sig	chr13_36345277
chr17	81647968	81647968	+	8.42E-09	5.5869E-08	0.22731	hyper	sig	chr17_81647968
chr1	1679174	1679174	+	8.428E-09	5.5923E-08	-0.20277	hypo	sig	chr1_1679174
chr14	19679437	19679437	+	8.434E-09	5.5964E-08	-0.23009	hypo	sig	chr14_19679437
chr19	37790669	37790669	+	8.437E-09	5.598E-08	0.289184	hyper	sig	chr19_37790669
chr16	88678434	88678434	+	8.437E-09	5.5981E-08	0.20391	hyper	sig	chr16_88678434
chr6	1.67E+08	166704350	+	8.438E-09	5.5987E-08	0.207434	hyper	sig	chr6_166704350
chr19	33235928	33235928	+	8.444E-09	5.6022E-08	-0.22962	hypo	sig	chr19_33235928
chr12	34302458	34302458	+	8.453E-09	5.608E-08	-0.21091	hypo	sig	chr12_34302458
chr8	98948887	98948887	+	8.46E-09	5.6127E-08	0.255471	hyper	sig	chr8_98948887
chr2	1.19E+08	119432455	+	8.465E-09	5.6159E-08	0.205553	hyper	sig	chr2_119432455
chr9	88007228	88007228	+	8.466E-09	5.6166E-08	-0.26254	hypo	sig	chr9_88007228
chr10	513551	513551	+	8.479E-09	5.6246E-08	-0.24118	hypo	sig	chr10_513551
chr6	1.68E+08	167795718	+	8.481E-09	5.6258E-08	-0.24749	hypo	sig	chr6_167795718
chr12	49091149	49091149	+	8.482E-09	5.6265E-08	0.217865	hyper	sig	chr12_49091149
chr2	2.39E+08	239294943	+	8.486E-09	5.6291E-08	-0.22978	hypo	sig	chr2_239294943
chr22	26757112	26757112	+	8.487E-09	5.6298E-08	0.262413	hyper	sig	chr22_26757112
chr12	1.33E+08	132591192	+	8.489E-09	5.6308E-08	-0.2362	hypo	sig	chr12_132591192
chr5	1.79E+08	179137817	+	8.491E-09	5.6323E-08	-0.20302	hypo	sig	chr5_179137817
chr16	87779024	87779024	+	8.491E-09	5.6324E-08	-0.21867	hypo	sig	chr16_87779024
chr19	38213875	38213875	+	8.499E-09	5.6375E-08	-0.26056	hypo	sig	chr19_38213875
chr21	44928768	44928768	+	8.513E-09	5.6457E-08	-0.21884	hypo	sig	chr21_44928768
chr7	1.55E+08	155451501	+	8.513E-09	5.646E-08	0.226697	hyper	sig	chr7_155451501
chr5	1.78E+08	178465727	+	8.519E-09	5.6495E-08	-0.22196	hypo	sig	chr5_178465727
chr7	47591708	47591708	+	8.52E-09	5.6501E-08	0.235659	hyper	sig	chr7_47591708
chr16	775539	775539	+	8.525E-09	5.6534E-08	-0.22735	hypo	sig	chr16_775539
chr8	52561470	52561470	+	8.526E-09	5.654E-08	-0.21561	hypo	sig	chr8_52561470
chr7	1.59E+08	158586396	+	8.526E-09	5.6542E-08	0.213987	hyper	sig	chr7_158586396
chr11	65489532	65489532	+	8.527E-09	5.6546E-08	0.20978	hyper	sig	chr11_65489532

chr8	88328028	88328028	+	8.54E-09	5.6628E-08	0.201644	hyper	sig	chr8_88328028
chr19	815090	815090	+	8.54E-09	5.6629E-08	-0.21644	hypo	sig	chr19_815090
chr4	4862147	4862147	+	8.542E-09	5.6643E-08	0.227175	hyper	sig	chr4_4862147
chr22	29719122	29719122	+	8.543E-09	5.6648E-08	-0.24551	hypo	sig	chr22_29719122
chr17	48558226	48558226	+	8.561E-09	5.676E-08	0.265344	hyper	sig	chr17_48558226
chr5	2289046	2289046	+	8.567E-09	5.6794E-08	-0.2861	hypo	sig	chr5_2289046
chr11	79438327	79438327	+	8.571E-09	5.682E-08	0.202714	hyper	sig	chr11_79438327
chr2	2.36E+08	235678172	+	8.576E-09	5.6853E-08	0.263924	hyper	sig	chr2_235678172
chr1	1164644	1164644	+	8.579E-09	5.6873E-08	-0.20119	hypo	sig	chr1_1164644
chr6	35141771	35141771	+	8.583E-09	5.6896E-08	-0.20712	hypo	sig	chr6_35141771
chr5	63961099	63961099	+	8.589E-09	5.6936E-08	0.202395	hyper	sig	chr5_63961099
chr16	85209597	85209597	+	8.595E-09	5.697E-08	0.20895	hyper	sig	chr16_85209597
chr10	1.33E+08	133024872	+	8.597E-09	5.6987E-08	0.211624	hyper	sig	chr10_133024872
chr15	68555985	68555985	+	8.597E-09	5.6987E-08	-0.24811	hypo	sig	chr15_68555985
chr1	6026648	6026648	+	8.599E-09	5.6995E-08	-0.24526	hypo	sig	chr1_6026648
chr20	64057233	64057233	+	8.605E-09	5.7034E-08	-0.20614	hypo	sig	chr20_64057233
chr21	34669014	34669014	+	8.605E-09	5.7034E-08	0.261315	hyper	sig	chr21_34669014
chr11	1.12E+08	111913541	+	8.608E-09	5.7053E-08	0.243002	hyper	sig	chr11_111913541
chr20	34997601	34997601	+	8.608E-09	5.7057E-08	0.29673	hyper	sig	chr20_34997601
chr19	13962312	13962312	+	8.611E-09	5.707E-08	0.203808	hyper	sig	chr19_13962312
chr5	1152269	1152269	+	8.618E-09	5.7117E-08	-0.24014	hypo	sig	chr5_1152269
chr8	1.4E+08	139814338	+	8.618E-09	5.7117E-08	0.208091	hyper	sig	chr8_139814338
chr14	1.01E+08	100827449	+	8.626E-09	5.7168E-08	0.209906	hyper	sig	chr14_100827449
chr3	62377398	62377398	+	8.636E-09	5.7229E-08	0.212255	hyper	sig	chr3_62377398
chr10	2315138	2315138	+	8.65E-09	5.7317E-08	-0.23736	hypo	sig	chr10_2315138
chr7	8441766	8441766	+	8.65E-09	5.7319E-08	0.309844	hyper	sig	chr7_8441766
chr11	507898	507898	+	8.652E-09	5.7331E-08	0.262028	hyper	sig	chr11_507898
chr22	37207705	37207705	+	8.654E-09	5.7341E-08	-0.24779	hypo	sig	chr22_37207705
chr12	1.25E+08	124549237	+	8.657E-09	5.7356E-08	0.215165	hyper	sig	chr12_124549237
chr19	52454107	52454107	+	8.665E-09	5.7408E-08	0.300764	hyper	sig	chr19_52454107
chr14	1.01E+08	100709130	+	8.669E-09	5.7431E-08	0.240406	hyper	sig	chr14_100709130
chr3	23811391	23811391	+	8.676E-09	5.7476E-08	-0.20376	hypo	sig	chr3_23811391
chr3	10437534	10437534	+	8.677E-09	5.7483E-08	-0.22058	hypo	sig	chr3_10437534
chr1	1164682	1164682	+	8.684E-09	5.7529E-08	-0.20664	hypo	sig	chr1_1164682
chr2	2.19E+08	218874033	+	8.693E-09	5.7582E-08	0.214065	hyper	sig	chr2_218874033
chr12	48970614	48970614	+	8.694E-09	5.7587E-08	0.21236	hyper	sig	chr12_48970614
chr3	50338348	50338348	+	8.71E-09	5.7687E-08	-0.30791	hypo	sig	chr3_50338348
chr10	1182598	1182598	+	8.712E-09	5.7698E-08	-0.22235	hypo	sig	chr10_1182598
chr10	1.33E+08	133360499	+	8.717E-09	5.773E-08	-0.2173	hypo	sig	chr10_133360499
chr19	3578315	3578315	+	8.728E-09	5.7802E-08	-0.21303	hypo	sig	chr19_3578315
chr12	1.31E+08	131006036	+	8.728E-09	5.7803E-08	-0.24436	hypo	sig	chr12_131006036
chr17	61456753	61456753	+	8.74E-09	5.7878E-08	0.212781	hyper	sig	chr17_61456753
chr1	61043698	61043698	+	8.743E-09	5.7896E-08	0.244993	hyper	sig	chr1_61043698
chr10	1.04E+08	104352511	+	8.747E-09	5.7926E-08	-0.27046	hypo	sig	chr10_104352511
chr3	1.26E+08	126315652	+	8.758E-09	5.7993E-08	0.200251	hyper	sig	chr3_126315652
chr2	1.13E+08	113291268	+	8.758E-09	5.7993E-08	0.22266	hyper	sig	chr2_113291268
chr7	32428519	32428519	+	8.761E-09	5.801E-08	0.23069	hyper	sig	chr7_32428519
chr7	1.56E+08	155922400	+	8.775E-09	5.8102E-08	-0.20234	hypo	sig	chr7_155922400
chr7	45148521	45148521	+	8.781E-09	5.8134E-08	-0.21067	hypo	sig	chr7_45148521
chr5	1.81E+08	181173850	+	8.782E-09	5.8144E-08	0.206834	hyper	sig	chr5_181173850
chr19	40513401	40513401	+	8.794E-09	5.8218E-08	0.232832	hyper	sig	chr19_40513401
chr19	6664847	6664847	+	8.794E-09	5.8218E-08	-0.27602	hypo	sig	chr19_6664847
chr12	1834688	1834688	+	8.797E-09	5.8235E-08	-0.23626	hypo	sig	chr12_1834688
chr16	49465348	49465348	+	8.798E-09	5.8244E-08	0.24083	hyper	sig	chr16_49465348
chr6	1.37E+08	137497250	+	8.8E-09	5.8258E-08	0.212121	hyper	sig	chr6_137497250
chr12	1.32E+08	132207619	+	8.805E-09	5.8286E-08	-0.25062	hypo	sig	chr12_132207619

chr11	1850046	1850046	+	8.805E-09	5.8286E-08	-0.21677	hypo	sig	chr11_1850046
chr4	1.88E+08	187505821	+	8.814E-09	5.8344E-08	-0.20474	hypo	sig	chr4_187505821
chr14	1.05E+08	104605072	+	8.831E-09	5.8452E-08	0.200435	hyper	sig	chr14_104605072
chr12	1.32E+08	132394138	+	8.832E-09	5.8458E-08	-0.20867	hypo	sig	chr12_132394138
chr17	7855684	7855684	+	8.852E-09	5.8584E-08	0.21722	hyper	sig	chr17_7855684
chr2	721051	721051	+	8.852E-09	5.8585E-08	-0.24658	hypo	sig	chr2_721051
chr4	3307652	3307652	+	8.86E-09	5.8636E-08	-0.2064	hypo	sig	chr4_3307652
chr15	1.01E+08	101278115	+	8.88E-09	5.8757E-08	-0.209	hypo	sig	chr15_101278115
chr5	1.79E+08	178577200	+	8.883E-09	5.8777E-08	0.233564	hyper	sig	chr5_178577200
chr12	5430894	5430894	+	8.885E-09	5.8786E-08	0.216049	hyper	sig	chr12_5430894
chr5	64690366	64690366	+	8.886E-09	5.8793E-08	0.239203	hyper	sig	chr5_64690366
chr11	70177442	70177442	+	8.894E-09	5.8845E-08	-0.2038	hypo	sig	chr11_70177442
chr17	49225076	49225076	+	8.899E-09	5.8875E-08	0.265183	hyper	sig	chr17_49225076
chr1	2.03E+08	203126920	+	8.901E-09	5.8891E-08	-0.22015	hypo	sig	chr1_203126920
chr19	36792050	36792050	+	8.909E-09	5.894E-08	0.207042	hyper	sig	chr19_36792050
chr4	993622	993622	+	8.913E-09	5.8965E-08	-0.21528	hypo	sig	chr4_993622
chr2	1.07E+08	106584432	+	8.929E-09	5.9065E-08	0.22951	hyper	sig	chr2_106584432
chr19	49042519	49042519	+	8.932E-09	5.9087E-08	-0.22497	hypo	sig	chr19_49042519
chr14	1.02E+08	102050816	+	8.938E-09	5.9124E-08	0.214835	hyper	sig	chr14_102050816
chr3	26622072	26622072	+	8.938E-09	5.9124E-08	0.262314	hyper	sig	chr3_26622072
chr21	45403931	45403931	+	8.945E-09	5.9172E-08	-0.23217	hypo	sig	chr21_45403931
chr12	30201824	30201824	+	8.952E-09	5.9217E-08	-0.24043	hypo	sig	chr12_30201824
chr7	90211119	90211119	+	8.954E-09	5.9225E-08	-0.24574	hypo	sig	chr7_90211119
chr16	845260	845260	+	8.961E-09	5.9273E-08	-0.22491	hypo	sig	chr16_845260
chr19	48627992	48627992	+	8.971E-09	5.9334E-08	-0.20236	hypo	sig	chr19_48627992
chr3	1.47E+08	147410419	+	8.973E-09	5.9347E-08	0.228322	hyper	sig	chr3_147410419
chr6	99606054	99606054	+	9.002E-09	5.9532E-08	0.208688	hyper	sig	chr6_99606054
chr11	3435293	3435293	+	9.019E-09	5.9635E-08	-0.21155	hypo	sig	chr11_3435293
chr3	1.96E+08	195874245	+	9.021E-09	5.965E-08	-0.20031	hypo	sig	chr3_195874245
chr16	73063146	73063146	+	9.021E-09	5.9651E-08	-0.2182	hypo	sig	chr16_73063146
chr14	1.04E+08	103718895	+	9.025E-09	5.9674E-08	0.25058	hyper	sig	chr14_103718895
chr18	26547600	26547600	+	9.027E-09	5.9689E-08	0.256139	hyper	sig	chr18_26547600
chr18	79785225	79785225	+	9.03E-09	5.9708E-08	-0.20968	hypo	sig	chr18_79785225
chr5	1.41E+08	141100668	+	9.051E-09	5.9839E-08	0.240789	hyper	sig	chr5_141100668
chr1	10651559	10651559	+	9.052E-09	5.9844E-08	0.22823	hyper	sig	chr1_10651559
chr12	34403703	34403703	+	9.065E-09	5.9928E-08	-0.24121	hypo	sig	chr12_34403703
chr6	28814282	28814282	+	9.065E-09	5.9928E-08	0.297724	hyper	sig	chr6_28814282
chr19	10713139	10713139	+	9.074E-09	5.9982E-08	-0.22357	hypo	sig	chr19_10713139
chr19	3369496	3369496	+	9.078E-09	6.0009E-08	0.234676	hyper	sig	chr19_3369496
chr4	80201535	80201535	+	9.082E-09	6.0036E-08	0.261833	hyper	sig	chr4_80201535
chr7	1.58E+08	157529978	+	9.083E-09	6.0038E-08	-0.21202	hypo	sig	chr7_157529978
chr7	45088833	45088833	+	9.085E-09	6.0054E-08	0.202328	hyper	sig	chr7_45088833
chr6	1.66E+08	165940667	+	9.089E-09	6.0079E-08	-0.20256	hypo	sig	chr6_165940667
chr20	57263422	57263422	+	9.092E-09	6.0099E-08	-0.21114	hypo	sig	chr20_57263422
chr12	1.32E+08	132271087	+	9.094E-09	6.0109E-08	-0.21825	hypo	sig	chr12_132271087
chr17	80456817	80456817	+	9.096E-09	6.0122E-08	0.206985	hyper	sig	chr17_80456817
chr11	22341421	22341421	+	9.097E-09	6.0127E-08	0.203032	hyper	sig	chr11_22341421
chr1	1.97E+08	196609378	+	9.099E-09	6.0135E-08	0.206452	hyper	sig	chr1_196609378
chr6	10384796	10384796	+	9.11E-09	6.0206E-08	0.249649	hyper	sig	chr6_10384796
chr7	1.29E+08	128731362	+	9.112E-09	6.0224E-08	-0.20732	hypo	sig	chr7_128731362
chr10	1.34E+08	133529432	+	9.113E-09	6.0225E-08	0.232773	hyper	sig	chr10_133529432
chr17	8327565	8327565	+	9.115E-09	6.024E-08	0.269073	hyper	sig	chr17_8327565
chr20	1296309	1296309	+	9.124E-09	6.0294E-08	-0.26494	hypo	sig	chr20_1296309
chr7	1.51E+08	151395997	+	9.131E-09	6.0344E-08	-0.20034	hypo	sig	chr7_151395997
chr8	1.4E+08	140100728	+	9.137E-09	6.0376E-08	0.239296	hyper	sig	chr8_140100728
chr16	81895924	81895924	+	9.139E-09	6.0388E-08	-0.21237	hypo	sig	chr16_81895924

chr8	55919853	55919853	+	9.147E-09	6.044E-08	-0.2161	hypo	sig	chr8_55919853
chr3	1.23E+08	122914006	+	9.148E-09	6.0444E-08	-0.21662	hypo	sig	chr3_122914006
chr1	3172495	3172495	+	9.151E-09	6.0461E-08	0.22497	hyper	sig	chr1_3172495
chr16	748256	748256	+	9.152E-09	6.0466E-08	-0.20067	hypo	sig	chr16_748256
chr15	90884826	90884826	+	9.158E-09	6.0509E-08	0.227404	hyper	sig	chr15_90884826
chr20	41362324	41362324	+	9.16E-09	6.0516E-08	-0.22056	hypo	sig	chr20_41362324
chr13	1.12E+08	112227359	+	9.17E-09	6.0579E-08	-0.20804	hypo	sig	chr13_112227359
chr11	49892490	49892490	+	9.177E-09	6.0623E-08	0.233484	hyper	sig	chr11_49892490
chr4	52077064	52077064	+	9.193E-09	6.0725E-08	0.204648	hyper	sig	chr4_52077064
chr2	96116184	96116184	+	9.193E-09	6.0726E-08	0.264727	hyper	sig	chr2_96116184
chr2	430845	430845	+	9.208E-09	6.0818E-08	-0.20748	hypo	sig	chr2_430845
chr5	1.41E+08	140875769	+	9.21E-09	6.083E-08	0.204096	hyper	sig	chr5_140875769
chr1	47229308	47229308	+	9.212E-09	6.084E-08	0.314021	hyper	sig	chr1_47229308
chr15	45118030	45118030	+	9.217E-09	6.0879E-08	0.201316	hyper	sig	chr15_45118030
chr17	1056289	1056289	+	9.218E-09	6.0881E-08	0.203384	hyper	sig	chr17_1056289
chr7	1.29E+08	128908924	+	9.226E-09	6.0934E-08	-0.25214	hypo	sig	chr7_128908924
chr9	1.37E+08	137143926	+	9.243E-09	6.1035E-08	-0.24378	hypo	sig	chr9_137143926
chr10	1.3E+08	130485988	+	9.247E-09	6.106E-08	-0.21135	hypo	sig	chr10_130485988
chr16	67149871	67149871	+	9.248E-09	6.1066E-08	0.210811	hyper	sig	chr16_67149871
chr12	4809108	4809108	+	9.252E-09	6.1095E-08	0.292165	hyper	sig	chr12_4809108
chr2	2.4E+08	240447506	+	9.261E-09	6.1152E-08	-0.2162	hypo	sig	chr2_240447506
chr20	38724403	38724403	+	9.263E-09	6.1159E-08	0.376005	hyper	sig	chr20_38724403
chr10	1.33E+08	133459854	+	9.276E-09	6.1239E-08	0.235061	hyper	sig	chr10_133459854
chr19	48745917	48745917	+	9.278E-09	6.1252E-08	0.205724	hyper	sig	chr19_48745917
chr2	1.21E+08	120567029	+	9.278E-09	6.1252E-08	-0.29167	hypo	sig	chr2_120567029
chr12	7439865	7439865	+	9.282E-09	6.1278E-08	0.202229	hyper	sig	chr12_7439865
chr1	13511632	13511632	+	9.284E-09	6.129E-08	-0.2044	hypo	sig	chr1_13511632
chr16	88416432	88416432	+	9.296E-09	6.1368E-08	-0.20915	hypo	sig	chr16_88416432
chr7	2526869	2526869	+	9.298E-09	6.138E-08	-0.24849	hypo	sig	chr7_2526869
chr12	54047630	54047630	+	9.303E-09	6.141E-08	0.219375	hyper	sig	chr12_54047630
chr18	13869419	13869419	+	9.308E-09	6.1442E-08	0.245973	hyper	sig	chr18_13869419
chr22	44729481	44729481	+	9.309E-09	6.1442E-08	0.211825	hyper	sig	chr22_44729481
chr11	63554052	63554052	+	9.311E-09	6.1459E-08	-0.22817	hypo	sig	chr11_63554052
chr19	2242269	2242269	+	9.317E-09	6.1493E-08	-0.22436	hypo	sig	chr19_2242269
chr2	72925520	72925520	+	9.317E-09	6.1494E-08	0.215418	hyper	sig	chr2_72925520
chr1	19980970	19980970	+	9.323E-09	6.153E-08	-0.21927	hypo	sig	chr1_19980970
chr1	1.09E+08	109466192	+	9.325E-09	6.1545E-08	0.218021	hyper	sig	chr1_109466192
chr3	1.29E+08	129001321	+	9.329E-09	6.1566E-08	0.230775	hyper	sig	chr3_129001321
chr10	86942590	86942590	+	9.331E-09	6.1583E-08	0.203779	hyper	sig	chr10_86942590
chr20	9838718	9838718	+	9.334E-09	6.1601E-08	0.273726	hyper	sig	chr20_9838718
chr18	57431233	57431233	+	9.354E-09	6.1724E-08	0.231819	hyper	sig	chr18_57431233
chr16	88969150	88969150	+	9.355E-09	6.173E-08	0.214759	hyper	sig	chr16_88969150
chr16	30474290	30474290	+	9.367E-09	6.1803E-08	0.235437	hyper	sig	chr16_30474290
chr20	49567524	49567524	+	9.378E-09	6.1876E-08	0.22125	hyper	sig	chr20_49567524
chr11	1918401	1918401	+	9.381E-09	6.1895E-08	-0.2414	hypo	sig	chr11_1918401
chr5	1.32E+08	132011080	+	9.388E-09	6.1936E-08	0.243161	hyper	sig	chr5_132011080
chr13	99983098	99983098	+	9.414E-09	6.2099E-08	0.21299	hyper	sig	chr13_99983098
chr19	47573449	47573449	+	9.42E-09	6.2134E-08	0.248364	hyper	sig	chr19_47573449
chr2	1653634	1653634	+	9.422E-09	6.2148E-08	0.259502	hyper	sig	chr2_1653634
chr20	31485781	31485781	+	9.426E-09	6.2172E-08	0.260163	hyper	sig	chr20_31485781
chr5	1.8E+08	179966876	+	9.433E-09	6.2215E-08	-0.23805	hypo	sig	chr5_179966876
chr1	1.67E+08	166948066	+	9.442E-09	6.227E-08	-0.20461	hypo	sig	chr1_166948066
chr2	88286414	88286414	+	9.446E-09	6.2297E-08	-0.26948	hypo	sig	chr2_88286414
chr16	57507269	57507269	+	9.458E-09	6.2373E-08	-0.24147	hypo	sig	chr16_57507269
chr19	45815270	45815270	+	9.46E-09	6.2382E-08	0.220396	hyper	sig	chr19_45815270
chr5	1555685	1555685	+	9.471E-09	6.2459E-08	-0.20568	hypo	sig	chr5_1555685

chr11	8206485	8206485	+	9.476E-09	6.2485E-08	-0.20292	hypo	sig	chr11_8206485
chr4	7635891	7635891	+	9.476E-09	6.2486E-08	-0.2034	hypo	sig	chr4_7635891
chr7	1.5E+08	150372500	+	9.487E-09	6.2555E-08	-0.21347	hypo	sig	chr7_150372500
chr13	1.11E+08	111409591	+	9.489E-09	6.2563E-08	-0.22933	hypo	sig	chr13_111409591
chr15	89377749	89377749	+	9.49E-09	6.2569E-08	0.226506	hyper	sig	chr15_89377749
chr1	7640405	7640405	+	9.49E-09	6.2572E-08	-0.21179	hypo	sig	chr1_7640405
chr3	13932672	13932672	+	9.498E-09	6.2623E-08	0.200702	hyper	sig	chr3_13932672
chr6	10390014	10390014	+	9.502E-09	6.2648E-08	0.261186	hyper	sig	chr6_10390014
chr16	58467707	58467707	+	9.506E-09	6.2675E-08	-0.20819	hypo	sig	chr16_58467707
chr9	974820	974820	+	9.533E-09	6.2848E-08	0.313285	hyper	sig	chr9_974820
chr15	66707073	66707073	+	9.534E-09	6.2849E-08	0.279205	hyper	sig	chr15_66707073
chr19	49058335	49058335	+	9.537E-09	6.2867E-08	0.244992	hyper	sig	chr19_49058335
chr2	1.75E+08	174730447	+	9.543E-09	6.2907E-08	0.225925	hyper	sig	chr2_174730447
chr20	59191894	59191894	+	9.546E-09	6.2928E-08	0.205601	hyper	sig	chr20_59191894
chr4	7250860	7250860	+	9.563E-09	6.3034E-08	0.212795	hyper	sig	chr4_7250860
chr20	63769934	63769934	+	9.567E-09	6.306E-08	-0.21009	hypo	sig	chr20_63769934
chr22	50735203	50735203	+	9.571E-09	6.3081E-08	-0.20405	hypo	sig	chr22_50735203
chr5	1.41E+08	140883511	+	9.578E-09	6.3127E-08	0.223316	hyper	sig	chr5_140883511
chr5	2643137	2643137	+	9.588E-09	6.3191E-08	0.226061	hyper	sig	chr5_2643137
chr2	2.35E+08	234999859	+	9.589E-09	6.3192E-08	-0.21688	hypo	sig	chr2_234999859
chr6	10411180	10411180	+	9.601E-09	6.3273E-08	0.213568	hyper	sig	chr6_10411180
chr10	99234430	99234430	+	9.604E-09	6.3287E-08	0.261882	hyper	sig	chr10_99234430
chr17	42671456	42671456	+	9.607E-09	6.3311E-08	-0.2138	hypo	sig	chr17_42671456
chr5	1.69E+08	169300114	+	9.608E-09	6.3315E-08	0.245359	hyper	sig	chr5_169300114
chr19	52402242	52402242	+	9.61E-09	6.3329E-08	-0.22108	hypo	sig	chr19_52402242
chr1	2.35E+08	234723211	+	9.618E-09	6.3374E-08	-0.20101	hypo	sig	chr1_234723211
chr7	875457	875457	+	9.628E-09	6.3436E-08	0.238664	hyper	sig	chr7_875457
chr19	39248598	39248598	+	9.638E-09	6.3501E-08	0.249164	hyper	sig	chr19_39248598
chr3	47009261	47009261	+	9.642E-09	6.3529E-08	0.263204	hyper	sig	chr3_47009261
chr11	1.13E+08	113275085	+	9.649E-09	6.3574E-08	-0.2174	hypo	sig	chr11_113275085
chr1	71046494	71046494	+	9.667E-09	6.3684E-08	0.228679	hyper	sig	chr1_71046494
chr16	165634	165634	+	9.678E-09	6.3754E-08	0.203461	hyper	sig	chr16_165634
chr3	42264957	42264957	+	9.682E-09	6.3776E-08	0.252929	hyper	sig	chr3_42264957
chr19	1399100	1399100	+	9.688E-09	6.3814E-08	-0.22181	hypo	sig	chr19_1399100
chr16	89052702	89052702	+	9.693E-09	6.3845E-08	-0.26594	hypo	sig	chr16_89052702
chr1	1434299	1434299	+	9.696E-09	6.3865E-08	0.229943	hyper	sig	chr1_1434299
chr19	45783255	45783255	+	9.697E-09	6.3873E-08	0.205701	hyper	sig	chr19_45783255
chr12	1.33E+08	132955276	+	9.709E-09	6.3941E-08	0.256071	hyper	sig	chr12_132955276
chr9	1.36E+08	135781060	+	9.716E-09	6.3988E-08	-0.21991	hypo	sig	chr9_135781060
chr9	1.31E+08	130892538	+	9.719E-09	6.4007E-08	0.256757	hyper	sig	chr9_130892538
chr16	14979294	14979294	+	9.728E-09	6.4064E-08	-0.22814	hypo	sig	chr16_14979294
chr9	77014966	77014966	+	9.762E-09	6.4278E-08	0.22621	hyper	sig	chr9_77014966
chr15	96948230	96948230	+	9.765E-09	6.4296E-08	0.23827	hyper	sig	chr15_96948230
chr1	1167414	1167414	+	9.807E-09	6.4562E-08	-0.21137	hypo	sig	chr1_1167414
chr13	18298477	18298477	+	9.813E-09	6.4603E-08	-0.28504	hypo	sig	chr13_18298477
chr7	6530875	6530875	+	9.821E-09	6.4651E-08	0.211429	hyper	sig	chr7_6530875
chr19	19515627	19515627	+	9.833E-09	6.473E-08	-0.23234	hypo	sig	chr19_19515627
chr16	88903109	88903109	+	9.84E-09	6.4766E-08	-0.22337	hypo	sig	chr16_88903109
chr10	1.23E+08	123148359	+	9.841E-09	6.4774E-08	0.237614	hyper	sig	chr10_123148359
chr4	3671423	3671423	+	9.858E-09	6.4885E-08	-0.21875	hypo	sig	chr4_3671423
chr12	49333125	49333125	+	9.863E-09	6.4911E-08	0.203861	hyper	sig	chr12_49333125
chr20	52973176	52973176	+	9.876E-09	6.4995E-08	0.226242	hyper	sig	chr20_52973176
chr5	506291	506291	+	9.883E-09	6.5041E-08	-0.22477	hypo	sig	chr5_506291
chr5	1.54E+08	154474317	+	9.884E-09	6.5041E-08	0.213225	hyper	sig	chr5_154474317
chr12	1.07E+08	106580469	+	9.887E-09	6.5065E-08	0.202819	hyper	sig	chr12_106580469
chr2	24919079	24919079	+	9.896E-09	6.5121E-08	-0.20838	hypo	sig	chr2_24919079

chr8	1.44E+08	143978085	+	9.896E-09	6.5121E-08	-0.22601	hypo	sig	chr8_143978085
chr11	3162864	3162864	+	9.896E-09	6.5121E-08	0.211351	hyper	sig	chr11_3162864
chr20	45316925	45316925	+	9.897E-09	6.5123E-08	0.294385	hyper	sig	chr20_45316925
chr1	1.19E+08	118985031	+	9.897E-09	6.5124E-08	0.218985	hyper	sig	chr1_118985031
chr22	50169454	50169454	+	9.903E-09	6.5164E-08	0.220444	hyper	sig	chr22_50169454
chr3	1.88E+08	187696223	+	9.905E-09	6.5173E-08	-0.23487	hypo	sig	chr3_187696223
chr12	34296340	34296340	+	9.909E-09	6.5201E-08	-0.29706	hypo	sig	chr12_34296340
chr8	46219153	46219153	+	9.911E-09	6.5214E-08	-0.25782	hypo	sig	chr8_46219153
chr15	93074785	93074785	+	9.918E-09	6.5255E-08	-0.2093	hypo	sig	chr15_93074785
chr2	2.32E+08	232455972	+	9.92E-09	6.5271E-08	-0.21789	hypo	sig	chr2_232455972
chr1	1430826	1430826	+	9.933E-09	6.5353E-08	0.26633	hyper	sig	chr1_1430826
chr15	31483154	31483154	+	9.934E-09	6.5356E-08	0.20605	hyper	sig	chr15_31483154
chr1	3283986	3283986	+	9.935E-09	6.5365E-08	0.214559	hyper	sig	chr1_3283986
chr12	1.33E+08	132559112	+	9.947E-09	6.5439E-08	-0.21074	hypo	sig	chr12_132559112
chr19	1757114	1757114	+	9.948E-09	6.5446E-08	0.242282	hyper	sig	chr19_1757114
chr16	3180710	3180710	+	9.954E-09	6.548E-08	0.208722	hyper	sig	chr16_3180710
chr4	1.85E+08	185017149	+	9.971E-09	6.559E-08	0.225792	hyper	sig	chr4_185017149
chr16	3029651	3029651	+	9.972E-09	6.5594E-08	0.201307	hyper	sig	chr16_3029651
chr20	45098390	45098390	+	9.98E-09	6.5645E-08	0.246781	hyper	sig	chr20_45098390
chr1	1.56E+08	156437386	+	9.99E-09	6.5711E-08	0.218244	hyper	sig	chr1_156437386
chr9	1.28E+08	128131408	+	9.994E-09	6.5732E-08	-0.2396	hypo	sig	chr9_128131408
chr5	1.79E+08	179265790	+	9.994E-09	6.5734E-08	0.227233	hyper	sig	chr5_179265790
chr2	1.61E+08	161245001	+	9.998E-09	6.5757E-08	-0.20428	hypo	sig	chr2_161245001
chr3	1.28E+08	128426322	+	1E-08	6.5799E-08	0.202772	hyper	sig	chr3_128426322
chr17	22217305	22217305	+	1.001E-08	6.5839E-08	0.246337	hyper	sig	chr17_22217305
chr1	3356227	3356227	+	1.002E-08	6.5915E-08	-0.20696	hypo	sig	chr1_3356227
chr7	1.58E+08	158283640	+	1.002E-08	6.5915E-08	-0.20586	hypo	sig	chr7_158283640
chr16	81772478	81772478	+	1.003E-08	6.5929E-08	-0.22992	hypo	sig	chr16_81772478
chr3	1.42E+08	141797702	+	1.003E-08	6.5972E-08	0.259112	hyper	sig	chr3_141797702
chr20	63157189	63157189	+	1.003E-08	6.5978E-08	-0.21851	hypo	sig	chr20_63157189
chr1	45501260	45501260	+	1.003E-08	6.5983E-08	-0.2135	hypo	sig	chr1_45501260
chr8	25002048	25002048	+	1.004E-08	6.6023E-08	0.200022	hyper	sig	chr8_25002048
chr17	83063875	83063875	+	1.004E-08	6.6048E-08	-0.20289	hypo	sig	chr17_83063875
chr19	13017059	13017059	+	1.005E-08	6.6062E-08	0.211039	hyper	sig	chr19_13017059
chr22	26757014	26757014	+	1.005E-08	6.6087E-08	0.217349	hyper	sig	chr22_26757014
chr21	41802876	41802876	+	1.005E-08	6.6094E-08	0.2238	hyper	sig	chr21_41802876
chr11	70661749	70661749	+	1.005E-08	6.6101E-08	0.2284	hyper	sig	chr11_70661749
chr8	1.45E+08	144825796	+	1.006E-08	6.6163E-08	-0.21544	hypo	sig	chr8_144825796
chr11	44930031	44930031	+	1.007E-08	6.6177E-08	-0.23257	hypo	sig	chr11_44930031
chr19	53311091	53311091	+	1.007E-08	6.6177E-08	-0.20971	hypo	sig	chr19_53311091
chr15	58864936	58864936	+	1.008E-08	6.6252E-08	0.242428	hyper	sig	chr15_58864936
chr1	1.47E+08	147079582	+	1.008E-08	6.629E-08	0.289851	hyper	sig	chr1_147079582
chr1	2017915	2017915	+	1.01E-08	6.6393E-08	-0.20349	hypo	sig	chr1_2017915
chr7	97004174	97004174	+	1.011E-08	6.6463E-08	0.244994	hyper	sig	chr7_97004174
chr7	2019777	2019777	+	1.012E-08	6.6491E-08	-0.21581	hypo	sig	chr7_2019777
chr9	41124513	41124513	+	1.012E-08	6.653E-08	0.292641	hyper	sig	chr9_41124513
chr7	15685550	15685550	+	1.013E-08	6.6571E-08	0.208367	hyper	sig	chr7_15685550
chr7	1.5E+08	150372488	+	1.014E-08	6.6624E-08	-0.21976	hypo	sig	chr7_150372488
chr1	1351879	1351879	+	1.014E-08	6.6636E-08	0.200401	hyper	sig	chr1_1351879
chr5	535991	535991	+	1.014E-08	6.6661E-08	-0.23302	hypo	sig	chr5_535991
chr17	800947	800947	+	1.014E-08	6.6664E-08	-0.21876	hypo	sig	chr17_800947
chr12	6555740	6555740	+	1.015E-08	6.6685E-08	0.209217	hyper	sig	chr12_6555740
chr13	1.14E+08	114048797	+	1.015E-08	6.6686E-08	-0.24163	hypo	sig	chr13_114048797
chr2	2.19E+08	218871782	+	1.015E-08	6.6715E-08	0.210026	hyper	sig	chr2_218871782
chr19	55640392	55640392	+	1.016E-08	6.6741E-08	0.20532	hyper	sig	chr19_55640392
chr14	50007463	50007463	+	1.017E-08	6.6818E-08	-0.23642	hypo	sig	chr14_50007463

chr17	44558597	44558597	+	1.017E-08	6.6824E-08	0.22896	hyper	sig	chr17_44558597
chr15	26968045	26968045	+	1.017E-08	6.6844E-08	0.214147	hyper	sig	chr15_26968045
chr5	17204361	17204361	+	1.017E-08	6.6856E-08	-0.28751	hypo	sig	chr5_17204361
chr2	1.3E+08	130373295	+	1.018E-08	6.6898E-08	-0.2427	hypo	sig	chr2_130373295
chr13	42574312	42574312	+	1.018E-08	6.6902E-08	0.279091	hyper	sig	chr13_42574312
chr15	59995899	59995899	+	1.019E-08	6.6981E-08	0.243069	hyper	sig	chr15_59995899
chr19	35357867	35357867	+	1.021E-08	6.705E-08	-0.22632	hypo	sig	chr19_35357867
chr16	67967542	67967542	+	1.021E-08	6.7062E-08	0.234234	hyper	sig	chr16_67967542
chr4	18319396	18319396	+	1.021E-08	6.7069E-08	0.227129	hyper	sig	chr4_18319396
chr15	26968040	26968040	+	1.021E-08	6.7073E-08	0.221152	hyper	sig	chr15_26968040
chr9	1.31E+08	130892380	+	1.023E-08	6.7192E-08	0.321537	hyper	sig	chr9_130892380
chr3	1.79E+08	179027771	+	1.023E-08	6.7222E-08	0.21865	hyper	sig	chr3_179027771
chr6	33068669	33068669	+	1.024E-08	6.7266E-08	-0.22624	hypo	sig	chr6_33068669
chr13	50127435	50127435	+	1.024E-08	6.7269E-08	0.245848	hyper	sig	chr13_50127435
chr20	409917	409917	+	1.024E-08	6.7295E-08	-0.20335	hypo	sig	chr20_409917
chr19	7853115	7853115	+	1.026E-08	6.7413E-08	-0.20748	hypo	sig	chr19_7853115
chr2	2.42E+08	242035239	+	1.027E-08	6.7443E-08	-0.20599	hypo	sig	chr2_242035239
chr4	993388	993388	+	1.027E-08	6.7445E-08	-0.20381	hypo	sig	chr4_993388
chr9	1.09E+08	108855925	+	1.028E-08	6.7514E-08	-0.25284	hypo	sig	chr9_108855925
chr15	89411948	89411948	+	1.028E-08	6.7529E-08	0.2132	hyper	sig	chr15_89411948
chr7	4307945	4307945	+	1.028E-08	6.7536E-08	-0.21647	hypo	sig	chr7_4307945
chr12	80708914	80708914	+	1.029E-08	6.7555E-08	0.231494	hyper	sig	chr12_80708914
chr11	30017472	30017472	+	1.03E-08	6.7662E-08	0.219443	hyper	sig	chr11_30017472
chr16	1177525	1177525	+	1.03E-08	6.7677E-08	-0.24648	hypo	sig	chr16_1177525
chr6	362023	362023	+	1.032E-08	6.7747E-08	-0.21194	hypo	sig	chr6_362023
chr2	2.42E+08	241771533	+	1.033E-08	6.7819E-08	0.215512	hyper	sig	chr2_241771533
chr15	45704334	45704334	+	1.035E-08	6.7949E-08	0.217831	hyper	sig	chr15_45704334
chr2	63056976	63056976	+	1.035E-08	6.7989E-08	0.225287	hyper	sig	chr2_63056976
chr8	1.45E+08	145007957	+	1.036E-08	6.7992E-08	0.214685	hyper	sig	chr8_145007957
chr7	56448322	56448322	+	1.037E-08	6.8109E-08	0.242107	hyper	sig	chr7_56448322
chr13	1.1E+08	110116169	+	1.037E-08	6.8116E-08	-0.21607	hypo	sig	chr13_110116169
chr6	10385242	10385242	+	1.037E-08	6.8116E-08	0.224509	hyper	sig	chr6_10385242
chr2	2.19E+08	218871780	+	1.038E-08	6.817E-08	0.210451	hyper	sig	chr2_218871780
chr11	1461161	1461161	+	1.039E-08	6.8232E-08	0.257856	hyper	sig	chr11_1461161
chr5	1.78E+08	177992381	+	1.04E-08	6.8244E-08	-0.20935	hypo	sig	chr5_177992381
chr5	1.73E+08	173211146	+	1.04E-08	6.828E-08	-0.24664	hypo	sig	chr5_173211146
chr13	20177538	20177538	+	1.04E-08	6.8287E-08	0.330226	hyper	sig	chr13_20177538
chr2	868456	868456	+	1.04E-08	6.8291E-08	0.243749	hyper	sig	chr2_868456
chr15	83285110	83285110	+	1.041E-08	6.8365E-08	0.234572	hyper	sig	chr15_83285110
chr6	1.69E+08	168579973	+	1.042E-08	6.8424E-08	-0.26884	hypo	sig	chr6_168579973
chr10	70691745	70691745	+	1.044E-08	6.8503E-08	-0.23281	hypo	sig	chr10_70691745
chr17	82003817	82003817	+	1.045E-08	6.8586E-08	0.208183	hyper	sig	chr17_82003817
chr6	28814253	28814253	+	1.045E-08	6.8605E-08	0.2429	hyper	sig	chr6_28814253
chr11	32426720	32426720	+	1.048E-08	6.8749E-08	0.256898	hyper	sig	chr11_32426720
chr6	1.56E+08	156396209	+	1.049E-08	6.8849E-08	-0.25587	hypo	sig	chr6_156396209
chr7	1.51E+08	150977287	+	1.049E-08	6.885E-08	0.230272	hyper	sig	chr7_150977287
chr2	1.39E+08	138779930	+	1.049E-08	6.8861E-08	0.243826	hyper	sig	chr2_138779930
chr1	1.56E+08	156388089	+	1.05E-08	6.8879E-08	0.214427	hyper	sig	chr1_156388089
chr3	62370448	62370448	+	1.05E-08	6.8927E-08	0.233923	hyper	sig	chr3_62370448
chr1	2.23E+08	223129460	+	1.051E-08	6.8964E-08	0.228257	hyper	sig	chr1_223129460
chr20	43189273	43189273	+	1.053E-08	6.9082E-08	0.22587	hyper	sig	chr20_43189273
chr1	66752822	66752822	+	1.054E-08	6.915E-08	0.23581	hyper	sig	chr1_66752822
chr19	4552456	4552456	+	1.054E-08	6.9157E-08	-0.21497	hypo	sig	chr19_4552456
chr12	47811762	47811762	+	1.054E-08	6.9176E-08	0.218392	hyper	sig	chr12_47811762
chr16	88436557	88436557	+	1.054E-08	6.9176E-08	-0.24612	hypo	sig	chr16_88436557
chr7	920634	920634	+	1.054E-08	6.9176E-08	-0.21013	hypo	sig	chr7_920634

chr17	4745982	4745982	+	1.055E-08	6.9205E-08	0.283701	hyper	sig	chr17_4745982
chr12	1.32E+08	132167867	+	1.055E-08	6.9217E-08	-0.20219	hypo	sig	chr12_132167867
chr12	1.31E+08	130773769	+	1.058E-08	6.9387E-08	-0.20315	hypo	sig	chr12_130773769
chr10	97738036	97738036	+	1.061E-08	6.957E-08	-0.23248	hypo	sig	chr10_97738036
chr19	18777271	18777271	+	1.061E-08	6.9579E-08	0.228131	hyper	sig	chr19_18777271
chr2	2.4E+08	240030210	+	1.061E-08	6.9593E-08	-0.24091	hypo	sig	chr2_240030210
chr10	49121783	49121783	+	1.061E-08	6.961E-08	-0.27382	hypo	sig	chr10_49121783
chr6	1.5E+08	150055149	+	1.065E-08	6.9831E-08	-0.20955	hypo	sig	chr6_150055149
chr1	16227766	16227766	+	1.066E-08	6.9884E-08	0.230476	hyper	sig	chr1_16227766
chr7	1747749	1747749	+	1.066E-08	6.9896E-08	-0.247	hypo	sig	chr7_1747749
chr19	23471526	23471526	+	1.066E-08	6.9904E-08	0.210025	hyper	sig	chr19_23471526
chr14	53952020	53952020	+	1.066E-08	6.9907E-08	0.225316	hyper	sig	chr14_53952020
chr11	62547556	62547556	+	1.067E-08	6.9973E-08	0.219057	hyper	sig	chr11_62547556
chr10	93569629	93569629	+	1.067E-08	6.9978E-08	-0.26441	hypo	sig	chr10_93569629
chr6	1.14E+08	114341512	+	1.067E-08	6.9984E-08	0.220898	hyper	sig	chr6_114341512
chr16	4738450	4738450	+	1.068E-08	6.9993E-08	-0.21122	hypo	sig	chr16_4738450
chr17	48544700	48544700	+	1.068E-08	6.9993E-08	0.260264	hyper	sig	chr17_48544700
chr20	31637824	31637824	+	1.068E-08	7.0034E-08	0.209796	hyper	sig	chr20_31637824
chr1	90717515	90717515	+	1.069E-08	7.0053E-08	0.241464	hyper	sig	chr1_90717515
chr6	1.08E+08	108167435	+	1.069E-08	7.0112E-08	0.205587	hyper	sig	chr6_108167435
chr9	1.3E+08	129619773	+	1.072E-08	7.025E-08	0.312407	hyper	sig	chr9_129619773
chr13	1.13E+08	113364793	+	1.072E-08	7.0273E-08	0.21697	hyper	sig	chr13_113364793
chr13	20298056	20298056	+	1.073E-08	7.0343E-08	-0.22703	hypo	sig	chr13_20298056
chr7	1567679	1567679	+	1.076E-08	7.0549E-08	-0.21307	hypo	sig	chr7_1567679
chr22	17036259	17036259	+	1.077E-08	7.0581E-08	0.271414	hyper	sig	chr22_17036259
chr12	15221121	15221121	+	1.078E-08	7.0625E-08	0.210256	hyper	sig	chr12_15221121
chr4	3317826	3317826	+	1.078E-08	7.0649E-08	0.207841	hyper	sig	chr4_3317826
chr7	1.58E+08	158395993	+	1.078E-08	7.0653E-08	-0.23081	hypo	sig	chr7_158395993
chr2	2.42E+08	241857410	+	1.079E-08	7.0731E-08	-0.23236	hypo	sig	chr2_241857410
chr19	18870584	18870584	+	1.08E-08	7.0746E-08	0.265749	hyper	sig	chr19_18870584
chr10	1.33E+08	132851629	+	1.081E-08	7.0809E-08	-0.22302	hypo	sig	chr10_132851629
chr3	26622100	26622100	+	1.083E-08	7.0969E-08	0.263692	hyper	sig	chr3_26622100
chr12	1.14E+08	114414473	+	1.085E-08	7.1051E-08	0.262021	hyper	sig	chr12_114414473
chr10	1.33E+08	133026050	+	1.085E-08	7.1106E-08	-0.20507	hypo	sig	chr10_133026050
chr1	6028490	6028490	+	1.086E-08	7.1115E-08	-0.20278	hypo	sig	chr1_6028490
chr4	3533122	3533122	+	1.086E-08	7.1131E-08	0.206638	hyper	sig	chr4_3533122
chr1	90723610	90723610	+	1.086E-08	7.1132E-08	0.222075	hyper	sig	chr1_90723610
chr3	48657014	48657014	+	1.087E-08	7.1203E-08	0.200279	hyper	sig	chr3_48657014
chr9	96219209	96219209	+	1.087E-08	7.1225E-08	-0.2189	hypo	sig	chr9_96219209
chr13	36432062	36432062	+	1.089E-08	7.131E-08	0.230831	hyper	sig	chr13_36432062
chr8	1.45E+08	144500296	+	1.09E-08	7.1394E-08	0.204596	hyper	sig	chr8_144500296
chr4	1202077	1202077	+	1.09E-08	7.1406E-08	-0.22374	hypo	sig	chr4_1202077
chr17	19470801	19470801	+	1.09E-08	7.1409E-08	0.251049	hyper	sig	chr17_19470801
chr11	27719497	27719497	+	1.092E-08	7.15E-08	0.215498	hyper	sig	chr11_27719497
chr2	2.42E+08	241911741	+	1.093E-08	7.1579E-08	-0.20058	hypo	sig	chr2_241911741
chr18	59311865	59311865	+	1.094E-08	7.1633E-08	-0.20153	hypo	sig	chr18_59311865
chr19	750836	750836	+	1.094E-08	7.1648E-08	-0.20241	hypo	sig	chr19_750836
chr8	1.33E+08	133407137	+	1.094E-08	7.1657E-08	0.216498	hyper	sig	chr8_133407137
chr11	18412352	18412352	+	1.095E-08	7.1724E-08	0.212892	hyper	sig	chr11_18412352
chr3	1.94E+08	194488178	+	1.097E-08	7.1856E-08	-0.20875	hypo	sig	chr3_194488178
chr19	53553956	53553956	+	1.098E-08	7.1906E-08	0.229845	hyper	sig	chr19_53553956
chr10	1.34E+08	133529800	+	1.104E-08	7.2273E-08	0.249876	hyper	sig	chr10_133529800
chr2	2.38E+08	238290274	+	1.104E-08	7.2281E-08	-0.20689	hypo	sig	chr2_238290274
chr17	37066633	37066633	+	1.105E-08	7.2351E-08	0.20195	hyper	sig	chr17_37066633
chr12	57727195	57727195	+	1.105E-08	7.2352E-08	0.243328	hyper	sig	chr12_57727195
chr8	1.34E+08	133566075	+	1.106E-08	7.2375E-08	-0.2337	hypo	sig	chr8_133566075

chr3	1.98E+08	197657741	+	1.106E-08	7.2403E-08	-0.20099	hypo	sig	chr3_197657741
chr12	34378578	34378578	+	1.106E-08	7.2409E-08	-0.27925	hypo	sig	chr12_34378578
chr12	1.31E+08	130918514	+	1.106E-08	7.242E-08	-0.22828	hypo	sig	chr12_130918514
chr11	1.25E+08	125330255	+	1.107E-08	7.2436E-08	-0.20387	hypo	sig	chr11_125330255
chr10	43216092	43216092	+	1.108E-08	7.2483E-08	-0.2629	hypo	sig	chr10_43216092
chr11	18790098	18790098	+	1.108E-08	7.251E-08	-0.20228	hypo	sig	chr11_18790098
chr1	9654339	9654339	+	1.108E-08	7.2514E-08	-0.21947	hypo	sig	chr1_9654339
chr11	71586030	71586030	+	1.109E-08	7.2547E-08	-0.21057	hypo	sig	chr11_71586030
chr7	1.56E+08	155806773	+	1.109E-08	7.2548E-08	0.202657	hyper	sig	chr7_155806773
chr2	37666171	37666171	+	1.109E-08	7.2554E-08	0.21218	hyper	sig	chr2_37666171
chr7	47520685	47520685	+	1.109E-08	7.2555E-08	0.267307	hyper	sig	chr7_47520685
chr14	1.06E+08	105564739	+	1.109E-08	7.2577E-08	-0.20339	hypo	sig	chr14_105564739
chr7	1602050	1602050	+	1.109E-08	7.2584E-08	-0.2391	hypo	sig	chr7_1602050
chr1	4712890	4712890	+	1.11E-08	7.2664E-08	-0.34091	hypo	sig	chr1_4712890
chr9	36169890	36169890	+	1.111E-08	7.2712E-08	-0.23315	hypo	sig	chr9_36169890
chr15	65396893	65396893	+	1.113E-08	7.2798E-08	0.214287	hyper	sig	chr15_65396893
chr16	31224284	31224284	+	1.113E-08	7.2804E-08	0.245101	hyper	sig	chr16_31224284
chr8	1.44E+08	144336103	+	1.113E-08	7.2812E-08	0.219241	hyper	sig	chr8_144336103
chr19	58033855	58033855	+	1.113E-08	7.2855E-08	0.256244	hyper	sig	chr19_58033855
chr6	87397204	87397204	+	1.114E-08	7.2874E-08	-0.20019	hypo	sig	chr6_87397204
chr19	48729329	48729329	+	1.115E-08	7.2936E-08	0.236864	hyper	sig	chr19_48729329
chr7	1.3E+08	129503533	+	1.115E-08	7.2941E-08	0.278648	hyper	sig	chr7_129503533
chr19	39264269	39264269	+	1.115E-08	7.2979E-08	0.313526	hyper	sig	chr19_39264269
chr1	39104731	39104731	+	1.117E-08	7.3083E-08	0.22635	hyper	sig	chr1_39104731
chr18	48408174	48408174	+	1.118E-08	7.3167E-08	0.221798	hyper	sig	chr18_48408174
chr10	22477251	22477251	+	1.119E-08	7.3172E-08	0.220459	hyper	sig	chr10_22477251
chr2	2.32E+08	231924756	+	1.119E-08	7.3205E-08	-0.24416	hypo	sig	chr2_231924756
chr7	38368505	38368505	+	1.12E-08	7.3295E-08	-0.20547	hypo	sig	chr7_38368505
chr22	16601063	16601063	+	1.121E-08	7.3352E-08	0.203495	hyper	sig	chr22_16601063
chr19	55156947	55156947	+	1.121E-08	7.3356E-08	0.232219	hyper	sig	chr19_55156947
chr7	64037334	64037334	+	1.122E-08	7.3396E-08	0.222353	hyper	sig	chr7_64037334
chr2	72084521	72084521	+	1.123E-08	7.347E-08	0.223363	hyper	sig	chr2_72084521
chr17	83073402	83073402	+	1.125E-08	7.3574E-08	-0.20563	hypo	sig	chr17_83073402
chr18	76376782	76376782	+	1.125E-08	7.3591E-08	-0.20923	hypo	sig	chr18_76376782
chr15	40338581	40338581	+	1.126E-08	7.3652E-08	0.211536	hyper	sig	chr15_40338581
chr10	72089821	72089821	+	1.127E-08	7.369E-08	-0.22799	hypo	sig	chr10_72089821
chr3	38648970	38648970	+	1.127E-08	7.3692E-08	0.217821	hyper	sig	chr3_38648970
chr6	20032342	20032342	+	1.127E-08	7.3716E-08	0.232917	hyper	sig	chr6_20032342
chr1	1.5E+08	149913641	+	1.129E-08	7.3823E-08	-0.28874	hypo	sig	chr1_149913641
chr10	11165445	11165445	+	1.13E-08	7.3912E-08	0.209383	hyper	sig	chr10_11165445
chr7	1.28E+08	128171635	+	1.131E-08	7.3922E-08	-0.24194	hypo	sig	chr7_128171635
chr8	1546997	1546997	+	1.132E-08	7.4032E-08	-0.20205	hypo	sig	chr8_1546997
chr16	30012297	30012297	+	1.132E-08	7.4034E-08	0.206918	hyper	sig	chr16_30012297
chr11	1.13E+08	113272872	+	1.134E-08	7.4124E-08	-0.27436	hypo	sig	chr11_113272872
chr5	3539092	3539092	+	1.134E-08	7.413E-08	-0.24314	hypo	sig	chr5_3539092
chr13	1.1E+08	110116167	+	1.135E-08	7.4196E-08	-0.2196	hypo	sig	chr13_110116167
chr16	3414099	3414099	+	1.135E-08	7.4211E-08	0.253509	hyper	sig	chr16_3414099
chr16	89053030	89053030	+	1.135E-08	7.4221E-08	-0.26614	hypo	sig	chr16_89053030
chr2	2.4E+08	239829473	+	1.136E-08	7.4232E-08	-0.20464	hypo	sig	chr2_239829473
chr12	3489217	3489217	+	1.136E-08	7.4246E-08	-0.24116	hypo	sig	chr12_3489217
chr17	5116541	5116541	+	1.136E-08	7.4265E-08	0.200584	hyper	sig	chr17_5116541
chr21	36981071	36981071	+	1.137E-08	7.4341E-08	-0.23658	hypo	sig	chr21_36981071
chr20	58841783	58841783	+	1.138E-08	7.4381E-08	0.212343	hyper	sig	chr20_58841783
chr6	1.51E+08	150601429	+	1.139E-08	7.4451E-08	-0.23171	hypo	sig	chr6_150601429
chr11	1.19E+08	119423977	+	1.139E-08	7.4452E-08	-0.21457	hypo	sig	chr11_119423977
chr20	56626005	56626005	+	1.139E-08	7.446E-08	0.296519	hyper	sig	chr20_56626005

chr16	56589904	56589904	+	1.139E-08	7.4466E-08	0.25164	hyper	sig	chr16_56589904
chr10	92420741	92420741	+	1.14E-08	7.4469E-08	0.226799	hyper	sig	chr10_92420741
chr16	87436550	87436550	+	1.14E-08	7.4488E-08	0.235242	hyper	sig	chr16_87436550
chr14	68976966	68976966	+	1.141E-08	7.4559E-08	0.252156	hyper	sig	chr14_68976966
chr12	24902678	24902678	+	1.142E-08	7.4624E-08	0.246772	hyper	sig	chr12_24902678
chr12	1.29E+08	128933053	+	1.142E-08	7.4629E-08	-0.20692	hypo	sig	chr12_128933053
chr6	40378289	40378289	+	1.142E-08	7.4629E-08	-0.21848	hypo	sig	chr6_40378289
chr8	22051323	22051323	+	1.145E-08	7.4816E-08	0.214005	hyper	sig	chr8_22051323
chr17	81464224	81464224	+	1.146E-08	7.4848E-08	-0.21625	hypo	sig	chr17_81464224
chr19	38562796	38562796	+	1.146E-08	7.4864E-08	-0.22061	hypo	sig	chr19_38562796
chr16	795754	795754	+	1.147E-08	7.4939E-08	-0.2378	hypo	sig	chr16_795754
chr2	2.19E+08	219331779	+	1.148E-08	7.4978E-08	0.212509	hyper	sig	chr2_219331779
chr13	1.01E+08	101452778	+	1.148E-08	7.4997E-08	-0.20181	hypo	sig	chr13_101452778
chr19	1799869	1799869	+	1.148E-08	7.4999E-08	-0.29615	hypo	sig	chr19_1799869
chr22	49963609	49963609	+	1.149E-08	7.5077E-08	-0.20047	hypo	sig	chr22_49963609
chr1	1.55E+08	155294642	+	1.15E-08	7.5147E-08	0.247069	hyper	sig	chr1_155294642
chr16	89248186	89248186	+	1.151E-08	7.5175E-08	0.210008	hyper	sig	chr16_89248186
chr17	79145759	79145759	+	1.151E-08	7.5175E-08	-0.25831	hypo	sig	chr17_79145759
chr15	65396909	65396909	+	1.151E-08	7.5204E-08	0.20826	hyper	sig	chr15_65396909
chr6	11179792	11179792	+	1.152E-08	7.5251E-08	-0.2009	hypo	sig	chr6_11179792
chr8	1451934	1451934	+	1.153E-08	7.5315E-08	-0.2204	hypo	sig	chr8_1451934
chr13	90349556	90349556	+	1.155E-08	7.5423E-08	-0.20134	hypo	sig	chr13_90349556
chr10	49397188	49397188	+	1.155E-08	7.5434E-08	0.202851	hyper	sig	chr10_49397188
chr12	34394340	34394340	+	1.155E-08	7.5434E-08	-0.2473	hypo	sig	chr12_34394340
chr21	45478730	45478730	+	1.155E-08	7.5438E-08	-0.21729	hypo	sig	chr21_45478730
chr12	1.14E+08	114444772	+	1.156E-08	7.5465E-08	0.204208	hyper	sig	chr12_114444772
chr11	66974828	66974828	+	1.156E-08	7.548E-08	-0.24454	hypo	sig	chr11_66974828
chr22	29480577	29480577	+	1.156E-08	7.5508E-08	0.232864	hyper	sig	chr22_29480577
chr16	2140430	2140430	+	1.157E-08	7.5548E-08	-0.22212	hypo	sig	chr16_2140430
chr3	1.98E+08	197520391	+	1.158E-08	7.5622E-08	-0.27132	hypo	sig	chr3_197520391
chr17	35741854	35741854	+	1.158E-08	7.5632E-08	0.224599	hyper	sig	chr17_35741854
chr6	6736833	6736833	+	1.158E-08	7.5638E-08	0.202585	hyper	sig	chr6_6736833
chr2	1.61E+08	161427284	+	1.16E-08	7.5724E-08	0.204038	hyper	sig	chr2_161427284
chr5	1.41E+08	141193818	+	1.162E-08	7.5842E-08	0.211339	hyper	sig	chr5_141193818
chr17	79978297	79978297	+	1.162E-08	7.585E-08	0.20619	hyper	sig	chr17_79978297
chr14	1.04E+08	104170831	+	1.162E-08	7.5899E-08	-0.21845	hypo	sig	chr14_104170831
chr22	49324345	49324345	+	1.163E-08	7.5921E-08	-0.22188	hypo	sig	chr22_49324345
chr2	26688822	26688822	+	1.164E-08	7.5964E-08	-0.22776	hypo	sig	chr2_26688822
chr17	82388170	82388170	+	1.164E-08	7.5993E-08	-0.21356	hypo	sig	chr17_82388170
chr18	12092979	12092979	+	1.164E-08	7.6004E-08	-0.21145	hypo	sig	chr18_12092979
chr14	99118602	99118602	+	1.164E-08	7.6011E-08	0.254676	hyper	sig	chr14_99118602
chr1	46493204	46493204	+	1.165E-08	7.6044E-08	0.209164	hyper	sig	chr1_46493204
chr5	2169627	2169627	+	1.165E-08	7.6061E-08	-0.20845	hypo	sig	chr5_2169627
chr1	22592659	22592659	+	1.165E-08	7.607E-08	-0.23197	hypo	sig	chr1_22592659
chr1	32769732	32769732	+	1.165E-08	7.6082E-08	-0.22189	hypo	sig	chr1_32769732
chr4	1.37E+08	136810906	+	1.166E-08	7.6085E-08	-0.23004	hypo	sig	chr4_136810906
chr9	1.37E+08	137279115	+	1.166E-08	7.6085E-08	0.212865	hyper	sig	chr9_137279115
chr6	1.7E+08	170166714	+	1.166E-08	7.6121E-08	0.229	hyper	sig	chr6_170166714
chr1	13511689	13511689	+	1.169E-08	7.631E-08	-0.20513	hypo	sig	chr1_13511689
chr6	1E+08	100466019	+	1.17E-08	7.6371E-08	0.235025	hyper	sig	chr6_100466019
chr5	1.41E+08	140823745	+	1.17E-08	7.6389E-08	0.207441	hyper	sig	chr5_140823745
chr4	1.74E+08	173516119	+	1.17E-08	7.6389E-08	0.22499	hyper	sig	chr4_173516119
chr7	4148060	4148060	+	1.171E-08	7.6429E-08	-0.23181	hypo	sig	chr7_4148060
chr1	2.35E+08	234885648	+	1.172E-08	7.6467E-08	0.20962	hyper	sig	chr1_234885648
chr17	17812678	17812678	+	1.173E-08	7.6524E-08	0.224517	hyper	sig	chr17_17812678
chr1	44813479	44813479	+	1.175E-08	7.6677E-08	0.228182	hyper	sig	chr1_44813479

chr7	1211557	1211557	+	1.175E-08	7.6686E-08	-0.22614	hypo	sig	chr7_1211557
chr22	50041625	50041625	+	1.175E-08	7.669E-08	-0.22918	hypo	sig	chr22_50041625
chr2	3785537	3785537	+	1.177E-08	7.6782E-08	-0.25644	hypo	sig	chr2_3785537
chr21	33025554	33025554	+	1.178E-08	7.6848E-08	0.266121	hyper	sig	chr21_33025554
chr19	52297734	52297734	+	1.178E-08	7.6876E-08	0.201961	hyper	sig	chr19_52297734
chr7	52273801	52273801	+	1.178E-08	7.6885E-08	0.203571	hyper	sig	chr7_52273801
chr16	2324569	2324569	+	1.179E-08	7.6917E-08	-0.21442	hypo	sig	chr16_2324569
chr1	1.09E+08	109466171	+	1.181E-08	7.7049E-08	0.21429	hyper	sig	chr1_109466171
chr15	37102843	37102843	+	1.182E-08	7.71E-08	0.253294	hyper	sig	chr15_37102843
chr9	62831170	62831170	+	1.182E-08	7.7101E-08	0.21089	hyper	sig	chr9_62831170
chr2	24174890	24174890	+	1.183E-08	7.7158E-08	0.244051	hyper	sig	chr2_24174890
chr5	50663903	50663903	+	1.183E-08	7.7164E-08	-0.23026	hypo	sig	chr5_50663903
chr10	1.33E+08	133026181	+	1.183E-08	7.7174E-08	-0.22265	hypo	sig	chr10_133026181
chr12	1.32E+08	132277474	+	1.184E-08	7.7206E-08	0.232315	hyper	sig	chr12_132277474
chr12	50033002	50033002	+	1.184E-08	7.7214E-08	0.31772	hyper	sig	chr12_50033002
chr1	1.62E+08	161523557	+	1.184E-08	7.7224E-08	-0.22522	hypo	sig	chr1_161523557
chr12	1.19E+08	118774585	+	1.184E-08	7.7246E-08	0.255665	hyper	sig	chr12_118774585
chr2	74500240	74500240	+	1.184E-08	7.7264E-08	0.213338	hyper	sig	chr2_74500240
chr7	72942947	72942947	+	1.185E-08	7.7274E-08	0.222348	hyper	sig	chr7_72942947
chr7	1073378	1073378	+	1.185E-08	7.7282E-08	0.220301	hyper	sig	chr7_1073378
chr10	27413845	27413845	+	1.187E-08	7.7413E-08	0.200328	hyper	sig	chr10_27413845
chr1	2806246	2806246	+	1.187E-08	7.7417E-08	-0.22968	hypo	sig	chr1_2806246
chr3	12987142	12987142	+	1.187E-08	7.7438E-08	-0.208	hypo	sig	chr3_12987142
chr12	1.06E+08	106139911	+	1.188E-08	7.7473E-08	0.202445	hyper	sig	chr12_106139911
chr20	63414922	63414922	+	1.189E-08	7.7564E-08	-0.20377	hypo	sig	chr20_63414922
chr22	17084144	17084144	+	1.19E-08	7.7605E-08	0.200184	hyper	sig	chr22_17084144
chr16	68447608	68447608	+	1.19E-08	7.763E-08	0.290731	hyper	sig	chr16_68447608
chr10	1.01E+08	101284566	+	1.191E-08	7.7639E-08	0.209779	hyper	sig	chr10_101284566
chr7	1.55E+08	155257745	+	1.193E-08	7.7772E-08	-0.21973	hypo	sig	chr7_155257745
chr8	1.3E+08	129985426	+	1.194E-08	7.7825E-08	-0.20378	hypo	sig	chr8_129985426
chr9	1.36E+08	135781034	+	1.195E-08	7.7897E-08	-0.21664	hypo	sig	chr9_135781034
chr1	1.52E+08	151831727	+	1.196E-08	7.7965E-08	-0.20167	hypo	sig	chr1_151831727
chr2	43101377	43101377	+	1.199E-08	7.8142E-08	0.283757	hyper	sig	chr2_43101377
chr17	79925129	79925129	+	1.199E-08	7.8165E-08	-0.2093	hypo	sig	chr17_79925129
chr10	44293401	44293401	+	1.2E-08	7.8203E-08	0.224111	hyper	sig	chr10_44293401
chr12	1.33E+08	132610330	+	1.2E-08	7.8209E-08	0.205039	hyper	sig	chr12_132610330
chr8	1.43E+08	143282102	+	1.2E-08	7.8242E-08	-0.2533	hypo	sig	chr8_143282102
chr3	1.42E+08	141797657	+	1.202E-08	7.8347E-08	0.260743	hyper	sig	chr3_141797657
chr11	95037869	95037869	+	1.202E-08	7.8349E-08	0.214232	hyper	sig	chr11_95037869
chr16	85892131	85892131	+	1.203E-08	7.8398E-08	-0.2073	hypo	sig	chr16_85892131
chr22	21882206	21882206	+	1.203E-08	7.8443E-08	-0.22664	hypo	sig	chr22_21882206
chr12	1.17E+08	116506491	+	1.206E-08	7.8608E-08	-0.21031	hypo	sig	chr12_116506491
chr6	1.5E+08	150038247	+	1.207E-08	7.8666E-08	0.222858	hyper	sig	chr6_150038247
chr3	1.71E+08	170909301	+	1.208E-08	7.8706E-08	-0.21778	hypo	sig	chr3_170909301
chr17	79789683	79789683	+	1.209E-08	7.8764E-08	0.209826	hyper	sig	chr17_79789683
chr2	3448692	3448692	+	1.209E-08	7.8774E-08	-0.2996	hypo	sig	chr2_3448692
chr1	90727246	90727246	+	1.21E-08	7.8846E-08	0.232258	hyper	sig	chr1_90727246
chr12	34381406	34381406	+	1.21E-08	7.8857E-08	-0.20749	hypo	sig	chr12_34381406
chr12	57727249	57727249	+	1.211E-08	7.8884E-08	0.22684	hyper	sig	chr12_57727249
chr11	1.34E+08	133836461	+	1.213E-08	7.9012E-08	-0.20797	hypo	sig	chr11_133836461
chr19	12873810	12873810	+	1.213E-08	7.9049E-08	-0.24626	hypo	sig	chr19_12873810
chr7	1159107	1159107	+	1.214E-08	7.9091E-08	-0.24358	hypo	sig	chr7_1159107
chr1	2.17E+08	217135027	+	1.214E-08	7.9108E-08	0.217082	hyper	sig	chr1_217135027
chr1	23371144	23371144	+	1.215E-08	7.9134E-08	0.237415	hyper	sig	chr1_23371144
chr11	1.17E+08	116580980	+	1.215E-08	7.9171E-08	0.204415	hyper	sig	chr11_116580980
chr12	1.32E+08	132431196	+	1.215E-08	7.9173E-08	-0.20886	hypo	sig	chr12_132431196

chr6	1.63E+08	163150292	+	1.216E-08	7.9212E-08	-0.22069	hypo	sig	chr6_163150292
chr1	47439836	47439836	+	1.217E-08	7.9258E-08	0.210322	hyper	sig	chr1_47439836
chr16	1208904	1208904	+	1.217E-08	7.9266E-08	-0.24152	hypo	sig	chr16_1208904
chr4	3446238	3446238	+	1.218E-08	7.9321E-08	-0.25097	hypo	sig	chr4_3446238
chr5	1.41E+08	141303900	+	1.218E-08	7.9337E-08	0.214798	hyper	sig	chr5_141303900
chr13	1.13E+08	112985897	+	1.22E-08	7.9479E-08	-0.25233	hypo	sig	chr13_112985897
chr4	1.54E+08	154492537	+	1.222E-08	7.9576E-08	-0.20719	hypo	sig	chr4_154492537
chr10	69421833	69421833	+	1.223E-08	7.9662E-08	0.201576	hyper	sig	chr10_69421833
chr20	32010784	32010784	+	1.225E-08	7.9761E-08	-0.2165	hypo	sig	chr20_32010784
chr22	50282123	50282123	+	1.225E-08	7.979E-08	-0.21458	hypo	sig	chr22_50282123
chr7	4221387	4221387	+	1.226E-08	7.981E-08	-0.21849	hypo	sig	chr7_4221387
chr7	57655289	57655289	+	1.226E-08	7.9847E-08	-0.20519	hypo	sig	chr7_57655289
chr19	51327158	51327158	+	1.227E-08	7.9916E-08	0.293002	hyper	sig	chr19_51327158
chr7	27143066	27143066	+	1.228E-08	7.9938E-08	0.267248	hyper	sig	chr7_27143066
chr17	79134260	79134260	+	1.228E-08	7.9977E-08	-0.2177	hypo	sig	chr17_79134260
chr9	1.28E+08	128409014	+	1.23E-08	8.0054E-08	0.227415	hyper	sig	chr9_128409014
chr6	28977742	28977742	+	1.23E-08	8.0093E-08	-0.21151	hypo	sig	chr6_28977742
chr12	4806631	4806631	+	1.231E-08	8.0112E-08	-0.25657	hypo	sig	chr12_4806631
chr16	89060435	89060435	+	1.233E-08	8.0279E-08	-0.22478	hypo	sig	chr16_89060435
chr20	45316887	45316887	+	1.235E-08	8.0369E-08	0.348443	hyper	sig	chr20_45316887
chr1	2.45E+08	244642922	+	1.235E-08	8.0377E-08	-0.20377	hypo	sig	chr1_244642922
chr16	84236939	84236939	+	1.236E-08	8.0437E-08	-0.2219	hypo	sig	chr16_84236939
chr2	1.27E+08	126771700	+	1.236E-08	8.0459E-08	-0.24634	hypo	sig	chr2_126771700
chr11	93537846	93537846	+	1.236E-08	8.047E-08	-0.20626	hypo	sig	chr11_93537846
chr15	23897804	23897804	+	1.238E-08	8.0544E-08	0.249271	hyper	sig	chr15_23897804
chr2	1282625	1282625	+	1.238E-08	8.06E-08	0.224302	hyper	sig	chr2_1282625
chr7	25032780	25032780	+	1.24E-08	8.0685E-08	-0.30257	hypo	sig	chr7_25032780
chr5	1.41E+08	140802579	+	1.241E-08	8.0761E-08	0.216047	hyper	sig	chr5_140802579
chr16	30421308	30421308	+	1.242E-08	8.0791E-08	-0.22725	hypo	sig	chr16_30421308
chr7	1.3E+08	130490991	+	1.242E-08	8.0805E-08	0.267014	hyper	sig	chr7_130490991
chr8	1.44E+08	144357216	+	1.242E-08	8.0826E-08	-0.20234	hypo	sig	chr8_144357216
chr11	10451420	10451420	+	1.243E-08	8.0886E-08	-0.24917	hypo	sig	chr11_10451420
chr10	1.32E+08	132104650	+	1.243E-08	8.0887E-08	0.242221	hyper	sig	chr10_132104650
chr15	24848408	24848408	+	1.245E-08	8.0989E-08	0.21992	hyper	sig	chr15_24848408
chr22	45437071	45437071	+	1.245E-08	8.1002E-08	0.207191	hyper	sig	chr22_45437071
chr1	9340633	9340633	+	1.245E-08	8.1012E-08	0.209272	hyper	sig	chr1_9340633
chr15	37102860	37102860	+	1.247E-08	8.111E-08	0.207395	hyper	sig	chr15_37102860
chr1	2433848	2433848	+	1.249E-08	8.1279E-08	-0.22932	hypo	sig	chr1_2433848
chr5	1.73E+08	173244497	+	1.25E-08	8.1319E-08	0.205869	hyper	sig	chr5_173244497
chr2	1.71E+08	170820089	+	1.252E-08	8.1432E-08	0.228387	hyper	sig	chr2_170820089
chr2	1801492	1801492	+	1.252E-08	8.1448E-08	-0.20221	hypo	sig	chr2_1801492
chr9	1.3E+08	130041329	+	1.255E-08	8.161E-08	0.228607	hyper	sig	chr9_130041329
chr16	29233931	29233931	+	1.255E-08	8.165E-08	-0.21284	hypo	sig	chr16_29233931
chr1	1.62E+08	162023437	+	1.257E-08	8.172E-08	0.226267	hyper	sig	chr1_162023437
chr1	36450103	36450103	+	1.257E-08	8.1727E-08	0.234858	hyper	sig	chr1_36450103
chr1	53440146	53440146	+	1.258E-08	8.1786E-08	-0.20152	hypo	sig	chr1_53440146
chr17	1752806	1752806	+	1.258E-08	8.1819E-08	-0.27742	hypo	sig	chr17_1752806
chr9	96219243	96219243	+	1.258E-08	8.1819E-08	-0.24382	hypo	sig	chr9_96219243
chr20	662063	662063	+	1.258E-08	8.1821E-08	0.216794	hyper	sig	chr20_662063
chr7	1.06E+08	105582294	+	1.258E-08	8.1832E-08	-0.22563	hypo	sig	chr7_105582294
chr14	28785842	28785842	+	1.259E-08	8.1858E-08	0.228623	hyper	sig	chr14_28785842
chr16	86495321	86495321	+	1.26E-08	8.1906E-08	0.246674	hyper	sig	chr16_86495321
chr20	419674	419674	+	1.26E-08	8.1952E-08	-0.28559	hypo	sig	chr20_419674
chr20	61885096	61885096	+	1.263E-08	8.2122E-08	-0.23367	hypo	sig	chr20_61885096
chr19	422261	422261	+	1.264E-08	8.2152E-08	-0.21829	hypo	sig	chr19_422261
chr11	1006205	1006205	+	1.265E-08	8.2229E-08	0.216763	hyper	sig	chr11_1006205

chr1	1.6E+08	159855955	+	1.265E-08	8.2267E-08	0.206645	hyper	sig	chr1_159855955
chr2	2.42E+08	242012282	+	1.266E-08	8.2278E-08	-0.21167	hypo	sig	chr2_242012282
chr12	1.31E+08	131443522	+	1.266E-08	8.2285E-08	0.257752	hyper	sig	chr12_131443522
chr12	53197568	53197568	+	1.266E-08	8.2326E-08	0.210949	hyper	sig	chr12_53197568
chr1	1354775	1354775	+	1.266E-08	8.233E-08	-0.26368	hypo	sig	chr1_1354775
chr8	64373237	64373237	+	1.267E-08	8.2331E-08	0.218595	hyper	sig	chr8_64373237
chr15	1.01E+08	101372311	+	1.267E-08	8.2356E-08	0.221437	hyper	sig	chr15_101372311
chr2	11129593	11129593	+	1.268E-08	8.2422E-08	-0.24667	hypo	sig	chr2_11129593
chr11	69867764	69867764	+	1.268E-08	8.2445E-08	-0.20332	hypo	sig	chr11_69867764
chr12	1.1E+08	109709606	+	1.27E-08	8.2541E-08	-0.20095	hypo	sig	chr12_109709606
chr1	26201466	26201466	+	1.27E-08	8.2543E-08	0.220266	hyper	sig	chr1_26201466
chr19	5292319	5292319	+	1.27E-08	8.2551E-08	0.275627	hyper	sig	chr19_5292319
chr3	52317893	52317893	+	1.271E-08	8.259E-08	0.208917	hyper	sig	chr3_52317893
chr1	2.36E+08	236391850	+	1.275E-08	8.2863E-08	-0.20578	hypo	sig	chr1_236391850
chr22	24685918	24685918	+	1.277E-08	8.2958E-08	0.225227	hyper	sig	chr22_24685918
chr1	2475356	2475356	+	1.278E-08	8.3071E-08	-0.24084	hypo	sig	chr1_2475356
chr1	6455780	6455780	+	1.279E-08	8.3082E-08	0.22156	hyper	sig	chr1_6455780
chr4	1005724	1005724	+	1.28E-08	8.3156E-08	-0.20772	hypo	sig	chr4_1005724
chr12	50033034	50033034	+	1.28E-08	8.3194E-08	0.299281	hyper	sig	chr12_50033034
chr3	1.27E+08	127218521	+	1.281E-08	8.3243E-08	-0.26057	hypo	sig	chr3_127218521
chr19	5915188	5915188	+	1.283E-08	8.335E-08	0.243513	hyper	sig	chr19_5915188
chr7	97003667	97003667	+	1.284E-08	8.3394E-08	0.252535	hyper	sig	chr7_97003667
chr10	93061197	93061197	+	1.285E-08	8.3456E-08	0.297543	hyper	sig	chr10_93061197
chr22	45890074	45890074	+	1.285E-08	8.3457E-08	0.226696	hyper	sig	chr22_45890074
chr20	62378378	62378378	+	1.286E-08	8.3531E-08	0.202317	hyper	sig	chr20_62378378
chr1	3704422	3704422	+	1.286E-08	8.3557E-08	-0.21147	hypo	sig	chr1_3704422
chr7	1623905	1623905	+	1.288E-08	8.3638E-08	-0.29458	hypo	sig	chr7_1623905
chr5	1.41E+08	141239836	+	1.288E-08	8.3693E-08	0.208823	hyper	sig	chr5_141239836
chr10	1.32E+08	132132431	+	1.289E-08	8.3706E-08	-0.25239	hypo	sig	chr10_132132431
chr16	1010834	1010834	+	1.289E-08	8.3726E-08	-0.20442	hypo	sig	chr16_1010834
chr7	2480240	2480240	+	1.291E-08	8.3836E-08	0.222959	hyper	sig	chr7_2480240
chr8	1.43E+08	142544639	+	1.291E-08	8.3853E-08	-0.21248	hypo	sig	chr8_142544639
chr1	6455778	6455778	+	1.292E-08	8.3925E-08	0.222791	hyper	sig	chr1_6455778
chr6	1.66E+08	166169980	+	1.292E-08	8.3928E-08	0.245878	hyper	sig	chr6_166169980
chr8	1.41E+08	141422183	+	1.294E-08	8.4046E-08	-0.20929	hypo	sig	chr8_141422183
chr22	22508155	22508155	+	1.295E-08	8.4098E-08	0.21274	hyper	sig	chr22_22508155
chr8	1.41E+08	140549870	+	1.296E-08	8.4168E-08	0.202418	hyper	sig	chr8_140549870
chr10	1.03E+08	103278627	+	1.296E-08	8.4179E-08	0.208858	hyper	sig	chr10_103278627
chr16	89159287	89159287	+	1.297E-08	8.4209E-08	0.219118	hyper	sig	chr16_89159287
chr16	2988049	2988049	+	1.297E-08	8.4242E-08	0.234874	hyper	sig	chr16_2988049
chr6	10617521	10617521	+	1.298E-08	8.4281E-08	-0.24228	hypo	sig	chr6_10617521
chr19	7924820	7924820	+	1.298E-08	8.4284E-08	0.226497	hyper	sig	chr19_7924820
chr10	1.33E+08	133360558	+	1.303E-08	8.458E-08	-0.23465	hypo	sig	chr10_133360558
chr2	2.33E+08	232635004	+	1.303E-08	8.4598E-08	0.249467	hyper	sig	chr2_232635004
chr9	1.37E+08	136562107	+	1.305E-08	8.4699E-08	-0.22057	hypo	sig	chr9_136562107
chr16	87983618	87983618	+	1.308E-08	8.4911E-08	0.223234	hyper	sig	chr16_87983618
chr5	1.41E+08	140787572	+	1.308E-08	8.4918E-08	0.215185	hyper	sig	chr5_140787572
chr10	1.33E+08	133207131	+	1.309E-08	8.4964E-08	-0.25803	hypo	sig	chr10_133207131
chr20	4761786	4761786	+	1.31E-08	8.5029E-08	-0.22101	hypo	sig	chr20_4761786
chr19	47337200	47337200	+	1.311E-08	8.5085E-08	-0.21914	hypo	sig	chr19_47337200
chr6	1.51E+08	151322575	+	1.311E-08	8.5086E-08	-0.22777	hypo	sig	chr6_151322575
chr7	1.51E+08	151055391	+	1.314E-08	8.5255E-08	-0.22478	hypo	sig	chr7_151055391
chr17	79048228	79048228	+	1.314E-08	8.5255E-08	-0.2211	hypo	sig	chr17_79048228
chr1	2.23E+08	223129451	+	1.314E-08	8.5267E-08	0.208843	hyper	sig	chr1_223129451
chr11	72585024	72585024	+	1.314E-08	8.5293E-08	-0.23258	hypo	sig	chr11_72585024
chr14	1.01E+08	100569448	+	1.314E-08	8.5294E-08	0.231336	hyper	sig	chr14_100569448

chr16	84032595	84032595	+	1.315E-08	8.5311E-08	-0.22854	hypo	sig	chr16_84032595
chr21	45456499	45456499	+	1.316E-08	8.5398E-08	-0.20009	hypo	sig	chr21_45456499
chr11	3638537	3638537	+	1.316E-08	8.5406E-08	-0.23446	hypo	sig	chr11_3638537
chr2	42492780	42492780	+	1.317E-08	8.5444E-08	0.293985	hyper	sig	chr2_42492780
chr9	1.33E+08	133205674	+	1.317E-08	8.5449E-08	-0.20884	hypo	sig	chr9_133205674
chr5	1282541	1282541	+	1.317E-08	8.5463E-08	0.208348	hyper	sig	chr5_1282541
chr2	1.76E+08	176124757	+	1.318E-08	8.5501E-08	-0.20954	hypo	sig	chr2_176124757
chr16	2082358	2082358	+	1.32E-08	8.5675E-08	0.244745	hyper	sig	chr16_2082358
chr13	20946354	20946354	+	1.322E-08	8.5747E-08	0.205702	hyper	sig	chr13_20946354
chr6	28977426	28977426	+	1.322E-08	8.5761E-08	0.214776	hyper	sig	chr6_28977426
chr4	1.11E+08	110615185	+	1.322E-08	8.5769E-08	0.206094	hyper	sig	chr4_110615185
chr5	1.35E+08	135027277	+	1.322E-08	8.5797E-08	0.226029	hyper	sig	chr5_135027277
chr21	42351481	42351481	+	1.323E-08	8.5818E-08	-0.22893	hypo	sig	chr21_42351481
chr17	28986236	28986236	+	1.323E-08	8.5838E-08	0.26836	hyper	sig	chr17_28986236
chr1	27604720	27604720	+	1.325E-08	8.5966E-08	0.208179	hyper	sig	chr1_27604720
chr9	97038526	97038526	+	1.325E-08	8.5984E-08	0.210637	hyper	sig	chr9_97038526
chr17	83062303	83062303	+	1.327E-08	8.6071E-08	-0.21119	hypo	sig	chr17_83062303
chr19	10339435	10339435	+	1.327E-08	8.6072E-08	-0.2565	hypo	sig	chr19_10339435
chr4	7805805	7805805	+	1.327E-08	8.6084E-08	0.204399	hyper	sig	chr4_7805805
chr19	19514411	19514411	+	1.327E-08	8.6098E-08	0.271554	hyper	sig	chr19_19514411
chr19	36152113	36152113	+	1.328E-08	8.6151E-08	0.279205	hyper	sig	chr19_36152113
chr6	70282781	70282781	+	1.329E-08	8.617E-08	0.207722	hyper	sig	chr6_70282781
chr14	37622725	37622725	+	1.329E-08	8.6217E-08	0.235896	hyper	sig	chr14_37622725
chr12	1.32E+08	132171129	+	1.331E-08	8.6313E-08	0.218553	hyper	sig	chr12_132171129
chr4	54094094	54094094	+	1.332E-08	8.6394E-08	0.230197	hyper	sig	chr4_54094094
chr16	85209582	85209582	+	1.332E-08	8.641E-08	0.224497	hyper	sig	chr16_85209582
chr17	77258174	77258174	+	1.336E-08	8.6625E-08	-0.22203	hypo	sig	chr17_77258174
chr11	77103277	77103277	+	1.337E-08	8.6676E-08	-0.22422	hypo	sig	chr11_77103277
chr5	1.77E+08	176680019	+	1.338E-08	8.6759E-08	0.202425	hyper	sig	chr5_176680019
chr14	1.05E+08	104728696	+	1.338E-08	8.6773E-08	-0.20564	hypo	sig	chr14_104728696
chr12	34354327	34354327	+	1.34E-08	8.6878E-08	-0.21955	hypo	sig	chr12_34354327
chr18	79436216	79436216	+	1.34E-08	8.6878E-08	-0.20954	hypo	sig	chr18_79436216
chr22	43223803	43223803	+	1.34E-08	8.69E-08	-0.21365	hypo	sig	chr22_43223803
chr16	79589693	79589693	+	1.341E-08	8.6963E-08	0.265625	hyper	sig	chr16_79589693
chr5	2289063	2289063	+	1.342E-08	8.701E-08	-0.21388	hypo	sig	chr5_2289063
chr2	1.76E+08	176068618	+	1.343E-08	8.7056E-08	0.205879	hyper	sig	chr2_176068618
chr2	15664546	15664546	+	1.343E-08	8.7081E-08	0.207024	hyper	sig	chr2_15664546
chr5	1.41E+08	141135623	+	1.346E-08	8.7223E-08	0.209206	hyper	sig	chr5_141135623
chr19	552942	552942	+	1.346E-08	8.7235E-08	-0.29033	hypo	sig	chr19_552942
chr6	1394861	1394861	+	1.346E-08	8.7253E-08	0.211456	hyper	sig	chr6_1394861
chr20	843966	843966	+	1.348E-08	8.7385E-08	-0.2043	hypo	sig	chr20_843966
chr2	2.42E+08	241818287	+	1.349E-08	8.7417E-08	-0.26606	hypo	sig	chr2_241818287
chr7	44103294	44103294	+	1.35E-08	8.7501E-08	-0.22675	hypo	sig	chr7_44103294
chr7	1.5E+08	150340836	+	1.35E-08	8.7502E-08	0.208975	hyper	sig	chr7_150340836
chr15	60944982	60944982	+	1.351E-08	8.7543E-08	-0.21915	hypo	sig	chr15_60944982
chr5	1.77E+08	177400862	+	1.351E-08	8.7546E-08	0.261242	hyper	sig	chr5_177400862
chr1	1.16E+08	116148466	+	1.352E-08	8.764E-08	-0.23743	hypo	sig	chr1_116148466
chr14	1.06E+08	105763265	+	1.353E-08	8.7695E-08	-0.21664	hypo	sig	chr14_105763265
chr7	1.59E+08	159027750	+	1.354E-08	8.7734E-08	-0.20481	hypo	sig	chr7_159027750
chr12	52792339	52792339	+	1.354E-08	8.7742E-08	-0.21567	hypo	sig	chr12_52792339
chr20	25148045	25148045	+	1.354E-08	8.7755E-08	0.255841	hyper	sig	chr20_25148045
chr10	25933868	25933868	+	1.354E-08	8.7767E-08	0.222786	hyper	sig	chr10_25933868
chr8	1.41E+08	140528019	+	1.355E-08	8.7787E-08	0.214439	hyper	sig	chr8_140528019
chr19	1456894	1456894	+	1.356E-08	8.7842E-08	0.246806	hyper	sig	chr19_1456894
chr2	2.08E+08	208406613	+	1.356E-08	8.7887E-08	0.258666	hyper	sig	chr2_208406613
chr6	1.68E+08	168279249	+	1.357E-08	8.7914E-08	-0.21812	hypo	sig	chr6_168279249

chr19	36604618	36604618	+	1.359E-08	8.8062E-08	0.204011	hyper	sig	chr19_36604618
chr6	62285566	62285566	+	1.36E-08	8.809E-08	0.212304	hyper	sig	chr6_62285566
chr11	64972338	64972338	+	1.361E-08	8.8189E-08	0.214703	hyper	sig	chr11_64972338
chr1	18630245	18630245	+	1.361E-08	8.8195E-08	0.225493	hyper	sig	chr1_18630245
chr5	1.41E+08	141224915	+	1.363E-08	8.8315E-08	0.216256	hyper	sig	chr5_141224915
chr19	48614916	48614916	+	1.364E-08	8.834E-08	-0.20227	hypo	sig	chr19_48614916
chr1	2.25E+08	224617898	+	1.365E-08	8.8421E-08	0.242827	hyper	sig	chr1_224617898
chr15	45187477	45187477	+	1.365E-08	8.8427E-08	0.212808	hyper	sig	chr15_45187477
chr3	1.26E+08	125756166	+	1.365E-08	8.843E-08	-0.21391	hypo	sig	chr3_125756166
chr13	1.12E+08	112455091	+	1.368E-08	8.8587E-08	-0.26181	hypo	sig	chr13_112455091
chr13	1.11E+08	111411664	+	1.368E-08	8.8609E-08	0.203114	hyper	sig	chr13_111411664
chr20	29324344	29324344	+	1.37E-08	8.8745E-08	0.221846	hyper	sig	chr20_29324344
chr19	37548814	37548814	+	1.371E-08	8.8793E-08	0.206235	hyper	sig	chr19_37548814
chr22	38089692	38089692	+	1.374E-08	8.8968E-08	0.288811	hyper	sig	chr22_38089692
chr3	1.02E+08	101677956	+	1.374E-08	8.8999E-08	-0.20887	hypo	sig	chr3_101677956
chr5	1.35E+08	135027658	+	1.375E-08	8.9037E-08	0.22888	hyper	sig	chr5_135027658
chr19	52451241	52451241	+	1.375E-08	8.9049E-08	0.212412	hyper	sig	chr19_52451241
chr13	78595525	78595525	+	1.379E-08	8.9312E-08	0.221198	hyper	sig	chr13_78595525
chr16	1256953	1256953	+	1.379E-08	8.9312E-08	-0.22007	hypo	sig	chr16_1256953
chr1	2.47E+08	246789647	+	1.38E-08	8.9323E-08	0.228459	hyper	sig	chr1_246789647
chr19	50724135	50724135	+	1.38E-08	8.9366E-08	0.20966	hyper	sig	chr19_50724135
chr8	11683217	11683217	+	1.38E-08	8.937E-08	0.208573	hyper	sig	chr8_11683217
chr12	1.32E+08	131864094	+	1.382E-08	8.946E-08	0.219589	hyper	sig	chr12_131864094
chr11	1443597	1443597	+	1.383E-08	8.9523E-08	-0.28088	hypo	sig	chr11_1443597
chr8	1668296	1668296	+	1.383E-08	8.9547E-08	-0.21032	hypo	sig	chr8_1668296
chr7	45176462	45176462	+	1.384E-08	8.9573E-08	-0.27605	hypo	sig	chr7_45176462
chr4	1.74E+08	173500954	+	1.384E-08	8.9614E-08	-0.21911	hypo	sig	chr4_173500954
chr19	41995586	41995586	+	1.385E-08	8.9655E-08	-0.28597	hypo	sig	chr19_41995586
chr15	47184106	47184106	+	1.389E-08	8.9919E-08	0.244063	hyper	sig	chr15_47184106
chr12	54047370	54047370	+	1.391E-08	9.0016E-08	0.204477	hyper	sig	chr12_54047370
chr10	1.04E+08	103668778	+	1.391E-08	9.0023E-08	0.248499	hyper	sig	chr10_103668778
chr1	6345521	6345521	+	1.393E-08	9.0153E-08	-0.23442	hypo	sig	chr1_6345521
chr1	2850765	2850765	+	1.393E-08	9.0172E-08	0.209927	hyper	sig	chr1_2850765
chr7	1.59E+08	159094754	+	1.394E-08	9.0192E-08	-0.25058	hypo	sig	chr7_159094754
chr2	1.72E+08	172108545	+	1.394E-08	9.0203E-08	0.203532	hyper	sig	chr2_172108545
chr3	32818101	32818101	+	1.394E-08	9.0228E-08	0.213829	hyper	sig	chr3_32818101
chr1	2.42E+08	242061429	+	1.396E-08	9.0302E-08	-0.22596	hypo	sig	chr1_242061429
chr4	2746665	2746665	+	1.397E-08	9.0367E-08	-0.21821	hypo	sig	chr4_2746665
chr7	1.56E+08	155998756	+	1.397E-08	9.0403E-08	-0.23841	hypo	sig	chr7_155998756
chr7	2627994	2627994	+	1.398E-08	9.0441E-08	-0.2329	hypo	sig	chr7_2627994
chr8	1.02E+08	102123351	+	1.399E-08	9.0504E-08	0.200741	hyper	sig	chr8_102123351
chr19	38213859	38213859	+	1.399E-08	9.0543E-08	-0.27845	hypo	sig	chr19_38213859
chr9	1.24E+08	124010317	+	1.4E-08	9.0576E-08	0.236678	hyper	sig	chr9_124010317
chr4	1.12E+08	112412122	+	1.4E-08	9.0577E-08	0.257672	hyper	sig	chr4_112412122
chr1	3701190	3701190	+	1.4E-08	9.0579E-08	-0.2435	hypo	sig	chr1_3701190
chr18	69469574	69469574	+	1.4E-08	9.0591E-08	-0.20664	hypo	sig	chr18_69469574
chr2	582797	582797	+	1.4E-08	9.0591E-08	-0.21939	hypo	sig	chr2_582797
chr7	64037266	64037266	+	1.404E-08	9.0818E-08	0.22478	hyper	sig	chr7_64037266
chr17	351946	351946	+	1.405E-08	9.0884E-08	-0.21789	hypo	sig	chr17_351946
chr22	46111903	46111903	+	1.405E-08	9.0904E-08	0.205882	hyper	sig	chr22_46111903
chr14	1.02E+08	101955872	+	1.405E-08	9.0905E-08	0.205425	hyper	sig	chr14_101955872
chr18	79430034	79430034	+	1.406E-08	9.0925E-08	-0.21505	hypo	sig	chr18_79430034
chr20	63347904	63347904	+	1.406E-08	9.0939E-08	-0.20031	hypo	sig	chr20_63347904
chr22	42140301	42140301	+	1.406E-08	9.0943E-08	-0.31104	hypo	sig	chr22_42140301
chr10	1.2E+08	119818872	+	1.407E-08	9.0983E-08	0.210084	hyper	sig	chr10_119818872
chr5	1835192	1835192	+	1.408E-08	9.1058E-08	-0.20449	hypo	sig	chr5_1835192

chr13	20946273	20946273	+	1.409E-08	9.1148E-08	0.21007	hyper	sig	chr13_20946273
chr16	974785	974785	+	1.41E-08	9.1219E-08	-0.24469	hypo	sig	chr16_974785
chr17	39563722	39563722	+	1.411E-08	9.1231E-08	0.227144	hyper	sig	chr17_39563722
chr1	2.43E+08	242524978	+	1.411E-08	9.1255E-08	0.207092	hyper	sig	chr1_242524978
chr8	32647668	32647668	+	1.411E-08	9.1271E-08	-0.2326	hypo	sig	chr8_32647668
chr11	1.14E+08	113876193	+	1.414E-08	9.1467E-08	-0.21536	hypo	sig	chr11_113876193
chr4	1.11E+08	110634436	+	1.415E-08	9.1474E-08	0.236498	hyper	sig	chr4_110634436
chr6	1.68E+08	168377704	+	1.416E-08	9.1591E-08	0.244286	hyper	sig	chr6_168377704
chr2	1.32E+08	131724246	+	1.417E-08	9.1612E-08	0.206896	hyper	sig	chr2_131724246
chr10	1.31E+08	131344858	+	1.417E-08	9.1635E-08	-0.24319	hypo	sig	chr10_131344858
chr14	99321114	99321114	+	1.418E-08	9.1655E-08	-0.20942	hypo	sig	chr14_99321114
chr17	59565402	59565402	+	1.422E-08	9.1921E-08	0.206134	hyper	sig	chr17_59565402
chr19	728369	728369	+	1.422E-08	9.1954E-08	-0.23822	hypo	sig	chr19_728369
chr9	1.37E+08	137049152	+	1.425E-08	9.2123E-08	0.351771	hyper	sig	chr9_137049152
chr8	43246865	43246865	+	1.425E-08	9.2141E-08	0.214116	hyper	sig	chr8_43246865
chr19	2252349	2252349	+	1.426E-08	9.2192E-08	0.217378	hyper	sig	chr19_2252349
chr14	1.04E+08	104390259	+	1.427E-08	9.2216E-08	-0.24271	hypo	sig	chr14_104390259
chr14	60655388	60655388	+	1.428E-08	9.2308E-08	0.256938	hyper	sig	chr14_60655388
chr7	1.53E+08	152895606	+	1.428E-08	9.2322E-08	-0.21571	hypo	sig	chr7_152895606
chr2	2.2E+08	219627051	+	1.429E-08	9.2382E-08	-0.23815	hypo	sig	chr2_219627051
chr2	2.41E+08	241229479	+	1.429E-08	9.2396E-08	0.223279	hyper	sig	chr2_241229479
chr11	1489535	1489535	+	1.431E-08	9.2486E-08	0.223434	hyper	sig	chr11_1489535
chr1	11501836	11501836	+	1.431E-08	9.2506E-08	0.24918	hyper	sig	chr1_11501836
chr7	98869401	98869401	+	1.433E-08	9.2641E-08	0.283882	hyper	sig	chr7_98869401
chr19	40812019	40812019	+	1.433E-08	9.2644E-08	0.215154	hyper	sig	chr19_40812019
chr19	1496643	1496643	+	1.435E-08	9.276E-08	-0.26525	hypo	sig	chr19_1496643
chr5	1.41E+08	141419518	+	1.437E-08	9.2879E-08	0.211528	hyper	sig	chr5_141419518
chr9	1.37E+08	136986080	+	1.437E-08	9.2879E-08	0.229559	hyper	sig	chr9_136986080
chr2	44944693	44944693	+	1.438E-08	9.2937E-08	0.218592	hyper	sig	chr2_44944693
chr11	1162148	1162148	+	1.439E-08	9.3004E-08	-0.20426	hypo	sig	chr11_1162148
chr2	1.74E+08	174333303	+	1.44E-08	9.3048E-08	0.21056	hyper	sig	chr2_174333303
chr6	1.05E+08	104941563	+	1.44E-08	9.3065E-08	0.223727	hyper	sig	chr6_104941563
chr16	88130785	88130785	+	1.441E-08	9.3114E-08	-0.26088	hypo	sig	chr16_88130785
chr5	1.4E+08	140345645	+	1.442E-08	9.3166E-08	-0.20301	hypo	sig	chr5_140345645
chr2	2.36E+08	236214304	+	1.443E-08	9.3214E-08	0.221881	hyper	sig	chr2_236214304
chr17	46977971	46977971	+	1.444E-08	9.3257E-08	0.214193	hyper	sig	chr17_46977971
chr16	833933	833933	+	1.444E-08	9.3262E-08	-0.24139	hypo	sig	chr16_833933
chr12	53750813	53750813	+	1.446E-08	9.3405E-08	0.230553	hyper	sig	chr12_53750813
chr17	46769942	46769942	+	1.447E-08	9.3489E-08	0.234602	hyper	sig	chr17_46769942
chr19	50823426	50823426	+	1.448E-08	9.3521E-08	-0.24224	hypo	sig	chr19_50823426
chr19	45815389	45815389	+	1.448E-08	9.3533E-08	0.247643	hyper	sig	chr19_45815389
chr5	1207200	1207200	+	1.45E-08	9.3651E-08	-0.28342	hypo	sig	chr5_1207200
chr7	2692131	2692131	+	1.451E-08	9.3712E-08	-0.25671	hypo	sig	chr7_2692131
chr22	42688973	42688973	+	1.451E-08	9.3714E-08	0.247001	hyper	sig	chr22_42688973
chr17	41524380	41524380	+	1.452E-08	9.377E-08	-0.20388	hypo	sig	chr17_41524380
chr7	1.43E+08	142796642	+	1.454E-08	9.3873E-08	0.201849	hyper	sig	chr7_142796642
chr5	1201819	1201819	+	1.456E-08	9.4018E-08	-0.2732	hypo	sig	chr5_1201819
chr13	1.14E+08	114089936	+	1.457E-08	9.4088E-08	-0.20879	hypo	sig	chr13_114089936
chr12	54047085	54047085	+	1.457E-08	9.4089E-08	0.229908	hyper	sig	chr12_54047085
chr19	6022560	6022560	+	1.458E-08	9.4124E-08	-0.22015	hypo	sig	chr19_6022560
chr7	6530854	6530854	+	1.459E-08	9.4208E-08	0.217296	hyper	sig	chr7_6530854
chr16	57635574	57635574	+	1.459E-08	9.4227E-08	-0.22972	hypo	sig	chr16_57635574
chr19	1802919	1802919	+	1.46E-08	9.4275E-08	-0.22734	hypo	sig	chr19_1802919
chr13	1.13E+08	113098578	+	1.465E-08	9.4603E-08	0.231423	hyper	sig	chr13_113098578
chr17	76915513	76915513	+	1.466E-08	9.4619E-08	-0.21489	hypo	sig	chr17_76915513
chr16	67654781	67654781	+	1.466E-08	9.4646E-08	0.211257	hyper	sig	chr16_67654781

chr2	73291713	73291713	+	1.466E-08	9.4654E-08	0.242372	hyper	sig	chr2_73291713
chr5	1667787	1667787	+	1.467E-08	9.4682E-08	0.20234	hyper	sig	chr5_1667787
chr10	512086	512086	+	1.467E-08	9.4684E-08	0.249574	hyper	sig	chr10_512086
chr8	1.09E+08	109086637	+	1.467E-08	9.4686E-08	0.219533	hyper	sig	chr8_109086637
chr12	70921162	70921162	+	1.468E-08	9.4762E-08	0.232979	hyper	sig	chr12_70921162
chr11	15651300	15651300	+	1.468E-08	9.4768E-08	0.256255	hyper	sig	chr11_15651300
chr19	640369	640369	+	1.472E-08	9.5003E-08	-0.2424	hypo	sig	chr19_640369
chr2	2.19E+08	219486318	+	1.473E-08	9.5036E-08	-0.2102	hypo	sig	chr2_219486318
chr10	27503643	27503643	+	1.473E-08	9.5061E-08	-0.21863	hypo	sig	chr10_27503643
chr3	40615708	40615708	+	1.473E-08	9.5062E-08	0.210027	hyper	sig	chr3_40615708
chr1	12104435	12104435	+	1.478E-08	9.5341E-08	0.220027	hyper	sig	chr1_12104435
chr1	2.01E+08	201284117	+	1.478E-08	9.5393E-08	0.244461	hyper	sig	chr1_201284117
chr11	64566710	64566710	+	1.479E-08	9.5452E-08	-0.2283	hypo	sig	chr11_64566710
chr1	63316807	63316807	+	1.48E-08	9.5459E-08	0.236111	hyper	sig	chr1_63316807
chr14	93090209	93090209	+	1.48E-08	9.5463E-08	-0.21911	hypo	sig	chr14_93090209
chr5	77973131	77973131	+	1.48E-08	9.5466E-08	0.218734	hyper	sig	chr5_77973131
chr1	2339780	2339780	+	1.48E-08	9.549E-08	-0.21317	hypo	sig	chr1_2339780
chr8	404507	404507	+	1.48E-08	9.5506E-08	-0.23104	hypo	sig	chr8_404507
chr14	32934096	32934096	+	1.481E-08	9.5555E-08	0.201493	hyper	sig	chr14_32934096
chr3	95587841	95587841	+	1.483E-08	9.5671E-08	-0.25708	hypo	sig	chr3_95587841
chr7	926969	926969	+	1.484E-08	9.5738E-08	-0.2754	hypo	sig	chr7_926969
chr15	25716853	25716853	+	1.484E-08	9.5756E-08	-0.21461	hypo	sig	chr15_25716853
chr3	1.94E+08	193869916	+	1.488E-08	9.5989E-08	-0.21986	hypo	sig	chr3_193869916
chr9	1.36E+08	136202570	+	1.49E-08	9.6093E-08	0.206646	hyper	sig	chr9_136202570
chr1	19273553	19273553	+	1.49E-08	9.611E-08	-0.27697	hypo	sig	chr1_19273553
chr14	37622842	37622842	+	1.49E-08	9.611E-08	0.200827	hyper	sig	chr14_37622842
chr11	67409483	67409483	+	1.492E-08	9.6214E-08	-0.20412	hypo	sig	chr11_67409483
chr11	1.29E+08	128689356	+	1.492E-08	9.6228E-08	0.23097	hyper	sig	chr11_128689356
chr17	35726037	35726037	+	1.492E-08	9.6232E-08	0.209061	hyper	sig	chr17_35726037
chr16	67667450	67667450	+	1.495E-08	9.6379E-08	0.244831	hyper	sig	chr16_67667450
chr5	2558914	2558914	+	1.496E-08	9.6499E-08	-0.2028	hypo	sig	chr5_2558914
chr13	1.12E+08	111558824	+	1.497E-08	9.6521E-08	-0.2088	hypo	sig	chr13_111558824
chr7	1.55E+08	155482535	+	1.497E-08	9.6533E-08	-0.21299	hypo	sig	chr7_155482535
chr11	2426307	2426307	+	1.497E-08	9.6542E-08	-0.23194	hypo	sig	chr11_2426307
chr5	1.81E+08	180607939	+	1.499E-08	9.6671E-08	-0.2111	hypo	sig	chr5_180607939
chr13	76191200	76191200	+	1.499E-08	9.6679E-08	-0.24155	hypo	sig	chr13_76191200
chr2	66582856	66582856	+	1.5E-08	9.6713E-08	0.242745	hyper	sig	chr2_66582856
chr16	85394221	85394221	+	1.501E-08	9.6798E-08	0.246227	hyper	sig	chr16_85394221
chr8	1.04E+08	104365566	+	1.503E-08	9.6901E-08	-0.21765	hypo	sig	chr8_104365566
chr12	1.25E+08	125326280	+	1.504E-08	9.698E-08	-0.20985	hypo	sig	chr12_125326280
chr16	30012318	30012318	+	1.504E-08	9.6983E-08	0.20237	hyper	sig	chr16_30012318
chr11	17722072	17722072	+	1.505E-08	9.703E-08	0.202718	hyper	sig	chr11_17722072
chr2	26942634	26942634	+	1.506E-08	9.7105E-08	0.24098	hyper	sig	chr2_26942634
chr3	1.47E+08	147392049	+	1.507E-08	9.7121E-08	0.2288	hyper	sig	chr3_147392049
chr2	79512142	79512142	+	1.507E-08	9.7166E-08	0.24064	hyper	sig	chr2_79512142
chr3	26622104	26622104	+	1.509E-08	9.7291E-08	0.265337	hyper	sig	chr3_26622104
chr8	866919	866919	+	1.512E-08	9.7452E-08	-0.24902	hypo	sig	chr8_866919
chr1	2.28E+08	228391337	+	1.512E-08	9.7471E-08	-0.21725	hypo	sig	chr1_228391337
chr21	44391613	44391613	+	1.513E-08	9.7495E-08	0.238116	hyper	sig	chr21_44391613
chr20	21391842	21391842	+	1.514E-08	9.7568E-08	0.224066	hyper	sig	chr20_21391842
chr9	1.36E+08	135521077	+	1.515E-08	9.7608E-08	-0.23535	hypo	sig	chr9_135521077
chr12	38135354	38135354	+	1.516E-08	9.7704E-08	-0.22888	hypo	sig	chr12_38135354
chr19	41995558	41995558	+	1.517E-08	9.7755E-08	-0.22737	hypo	sig	chr19_41995558
chr12	1.19E+08	118774562	+	1.518E-08	9.7794E-08	0.214315	hyper	sig	chr12_118774562
chr2	71071790	71071790	+	1.518E-08	9.7809E-08	-0.22416	hypo	sig	chr2_71071790
chr11	536711	536711	+	1.521E-08	9.7974E-08	-0.23831	hypo	sig	chr11_536711

chr13	1.12E+08	112012716	+	1.523E-08	9.8122E-08	-0.25244	hypo	sig	chr13_112012716
chr6	26743981	26743981	+	1.523E-08	9.8149E-08	0.255456	hyper	sig	chr6_26743981
chr16	67667376	67667376	+	1.524E-08	9.8171E-08	0.216887	hyper	sig	chr16_67667376
chr21	45000470	45000470	+	1.525E-08	9.8233E-08	-0.21899	hypo	sig	chr21_45000470
chr3	1.47E+08	147398107	+	1.526E-08	9.8332E-08	0.201452	hyper	sig	chr3_147398107
chr2	44801484	44801484	+	1.527E-08	9.8357E-08	0.257897	hyper	sig	chr2_44801484
chr11	1.19E+08	119029513	+	1.528E-08	9.8416E-08	-0.2352	hypo	sig	chr11_119029513
chr20	45316967	45316967	+	1.533E-08	9.8708E-08	0.267981	hyper	sig	chr20_45316967
chr16	67394995	67394995	+	1.533E-08	9.8757E-08	-0.2691	hypo	sig	chr16_67394995
chr5	53485111	53485111	+	1.534E-08	9.878E-08	-0.20815	hypo	sig	chr5_53485111
chr1	2.28E+08	227888088	+	1.534E-08	9.8822E-08	0.230159	hyper	sig	chr1_227888088
chr1	1.82E+08	182056681	+	1.535E-08	9.8847E-08	0.22095	hyper	sig	chr1_182056681
chr15	45118066	45118066	+	1.535E-08	9.8868E-08	0.202385	hyper	sig	chr15_45118066
chr12	1.32E+08	131852846	+	1.535E-08	9.8882E-08	-0.24132	hypo	sig	chr12_131852846
chr17	52160411	52160411	+	1.536E-08	9.8904E-08	0.209593	hyper	sig	chr17_52160411
chr11	44930039	44930039	+	1.536E-08	9.8925E-08	-0.27494	hypo	sig	chr11_44930039
chr8	1.43E+08	143212972	+	1.536E-08	9.8925E-08	-0.22152	hypo	sig	chr8_143212972
chr19	55704060	55704060	+	1.537E-08	9.8959E-08	0.214502	hyper	sig	chr19_55704060
chr14	19668674	19668674	+	1.537E-08	9.8982E-08	0.258071	hyper	sig	chr14_19668674
chr11	65642418	65642418	+	1.537E-08	9.8992E-08	0.232544	hyper	sig	chr11_65642418
chr5	1.35E+08	135050550	+	1.538E-08	9.9013E-08	0.279976	hyper	sig	chr5_135050550
chr11	67665411	67665411	+	1.539E-08	9.9103E-08	-0.22738	hypo	sig	chr11_67665411
chr21	36703299	36703299	+	1.54E-08	9.9125E-08	0.208333	hyper	sig	chr21_36703299
chr8	1.4E+08	139732254	+	1.542E-08	9.9306E-08	-0.20566	hypo	sig	chr8_139732254
chr12	57628561	57628561	+	1.544E-08	9.9393E-08	-0.23159	hypo	sig	chr12_57628561
chr19	5536887	5536887	+	1.544E-08	9.9393E-08	0.204943	hyper	sig	chr19_5536887
chr16	22208229	22208229	+	1.544E-08	9.9401E-08	0.213838	hyper	sig	chr16_22208229
chr10	44293406	44293406	+	1.545E-08	9.9472E-08	0.221958	hyper	sig	chr10_44293406
chr16	88432766	88432766	+	1.546E-08	9.9506E-08	-0.26468	hypo	sig	chr16_88432766
chr22	17117621	17117621	+	1.548E-08	9.9615E-08	-0.22489	hypo	sig	chr22_17117621
chr5	1.78E+08	177995722	+	1.548E-08	9.9645E-08	-0.28836	hypo	sig	chr5_177995722
chr3	11060567	11060567	+	1.549E-08	9.9695E-08	-0.22535	hypo	sig	chr3_11060567
chr8	57205950	57205950	+	1.55E-08	9.9749E-08	-0.22832	hypo	sig	chr8_57205950
chr3	1.26E+08	126267851	+	1.55E-08	9.9784E-08	0.22562	hyper	sig	chr3_126267851
chr2	96642911	96642911	+	1.552E-08	9.9868E-08	0.233365	hyper	sig	chr2_96642911
chr13	93453491	93453491	+	1.554E-08	9.9975E-08	-0.2412	hypo	sig	chr13_93453491
chr12	63151920	63151920	+	1.555E-08	1.0008E-07	0.234816	hyper	sig	chr12_63151920
chr5	1.69E+08	169301576	+	1.562E-08	1.0047E-07	0.220006	hyper	sig	chr5_169301576
chr5	51378018	51378018	+	1.562E-08	1.0048E-07	0.205095	hyper	sig	chr5_51378018
chr11	44957132	44957132	+	1.562E-08	1.0049E-07	0.203587	hyper	sig	chr11_44957132
chr2	2.4E+08	240145620	+	1.563E-08	1.0053E-07	-0.20106	hypo	sig	chr2_240145620
chr16	1534150	1534150	+	1.567E-08	1.0083E-07	0.245417	hyper	sig	chr16_1534150
chr14	60507319	60507319	+	1.569E-08	1.0091E-07	0.218879	hyper	sig	chr14_60507319
chr6	1E+08	100449407	+	1.569E-08	1.0094E-07	0.219704	hyper	sig	chr6_100449407
chr17	78458548	78458548	+	1.57E-08	1.01E-07	-0.24297	hypo	sig	chr17_78458548
chr7	1847725	1847725	+	1.571E-08	1.0104E-07	0.207252	hyper	sig	chr7_1847725
chr6	1.58E+08	157675963	+	1.571E-08	1.0104E-07	0.222385	hyper	sig	chr6_157675963
chr3	52714455	52714455	+	1.571E-08	1.0106E-07	0.242497	hyper	sig	chr3_52714455
chr10	49769090	49769090	+	1.573E-08	1.0114E-07	0.24951	hyper	sig	chr10_49769090
chr7	4833745	4833745	+	1.575E-08	1.0126E-07	-0.20636	hypo	sig	chr7_4833745
chr7	1.58E+08	157581203	+	1.575E-08	1.0129E-07	-0.20451	hypo	sig	chr7_157581203
chr3	1.84E+08	184492451	+	1.576E-08	1.0134E-07	0.228504	hyper	sig	chr3_184492451
chr2	2.4E+08	240031198	+	1.577E-08	1.0141E-07	-0.22312	hypo	sig	chr2_240031198
chr17	40027458	40027458	+	1.579E-08	1.0155E-07	0.212778	hyper	sig	chr17_40027458
chr6	1.26E+08	125759454	+	1.58E-08	1.0163E-07	-0.28753	hypo	sig	chr6_125759454
chr5	1.79E+08	178523613	+	1.583E-08	1.0181E-07	-0.25465	hypo	sig	chr5_178523613

chr1	18784514	18784514	+	1.584E-08	1.0182E-07	-0.20516	hypo	sig	chr1_18784514
chr7	1.29E+08	128903325	+	1.588E-08	1.0207E-07	-0.23169	hypo	sig	chr7_128903325
chr10	1.33E+08	132851609	+	1.59E-08	1.0218E-07	-0.20338	hypo	sig	chr10_132851609
chr2	2.32E+08	232315652	+	1.591E-08	1.0226E-07	-0.20316	hypo	sig	chr2_232315652
chr13	23141988	23141988	+	1.592E-08	1.0234E-07	-0.23431	hypo	sig	chr13_23141988
chr11	865926	865926	+	1.594E-08	1.0246E-07	-0.20733	hypo	sig	chr11_865926
chr12	1.13E+08	113480233	+	1.597E-08	1.0263E-07	0.219607	hyper	sig	chr12_113480233
chr13	1.11E+08	111046869	+	1.598E-08	1.027E-07	-0.23828	hypo	sig	chr13_111046869
chr11	68043727	68043727	+	1.599E-08	1.0276E-07	0.208342	hyper	sig	chr11_68043727
chr17	48542528	48542528	+	1.599E-08	1.0277E-07	0.230724	hyper	sig	chr17_48542528
chr8	1.43E+08	143289972	+	1.599E-08	1.0278E-07	-0.26426	hypo	sig	chr8_143289972
chr2	2793933	2793933	+	1.602E-08	1.0296E-07	-0.23559	hypo	sig	chr2_2793933
chr7	1.01E+08	100868185	+	1.604E-08	1.0306E-07	0.214688	hyper	sig	chr7_100868185
chr19	12752692	12752692	+	1.605E-08	1.0312E-07	-0.24541	hypo	sig	chr19_12752692
chr2	1.76E+08	176071907	+	1.606E-08	1.0321E-07	0.27382	hyper	sig	chr2_176071907
chr17	48542580	48542580	+	1.608E-08	1.0329E-07	0.228289	hyper	sig	chr17_48542580
chr1	37761793	37761793	+	1.608E-08	1.0332E-07	0.210719	hyper	sig	chr1_37761793
chr13	38471769	38471769	+	1.61E-08	1.0341E-07	-0.25708	hypo	sig	chr13_38471769
chr4	1239819	1239819	+	1.61E-08	1.0345E-07	0.204698	hyper	sig	chr4_1239819
chr11	507896	507896	+	1.612E-08	1.0353E-07	0.256912	hyper	sig	chr11_507896
chr4	1.44E+08	143912091	+	1.612E-08	1.0357E-07	0.21025	hyper	sig	chr4_143912091
chr19	58350788	58350788	+	1.613E-08	1.0364E-07	0.250057	hyper	sig	chr19_58350788
chr2	2.42E+08	241843190	+	1.614E-08	1.0366E-07	-0.20329	hypo	sig	chr2_241843190
chr2	3594988	3594988	+	1.615E-08	1.0371E-07	0.221747	hyper	sig	chr2_3594988
chr11	1607544	1607544	+	1.615E-08	1.0375E-07	0.209034	hyper	sig	chr11_1607544
chr11	64890754	64890754	+	1.616E-08	1.0377E-07	-0.22964	hypo	sig	chr11_64890754
chr17	74952295	74952295	+	1.616E-08	1.0379E-07	0.255026	hyper	sig	chr17_74952295
chr2	70889664	70889664	+	1.619E-08	1.0395E-07	0.208604	hyper	sig	chr2_70889664
chr19	48900865	48900865	+	1.619E-08	1.0396E-07	0.214408	hyper	sig	chr19_48900865
chr7	1.51E+08	150946845	+	1.619E-08	1.0398E-07	-0.22696	hypo	sig	chr7_150946845
chr3	52226333	52226333	+	1.621E-08	1.0407E-07	-0.20491	hypo	sig	chr3_52226333
chr2	2.22E+08	222303734	+	1.622E-08	1.0419E-07	0.248048	hyper	sig	chr2_222303734
chr17	36939298	36939298	+	1.624E-08	1.0426E-07	0.233736	hyper	sig	chr17_36939298
chr7	1.55E+08	155455016	+	1.626E-08	1.0444E-07	0.202161	hyper	sig	chr7_155455016
chr6	27515267	27515267	+	1.628E-08	1.0455E-07	0.206586	hyper	sig	chr6_27515267
chr16	88437931	88437931	+	1.629E-08	1.0456E-07	-0.245	hypo	sig	chr16_88437931
chr20	21709141	21709141	+	1.629E-08	1.0459E-07	0.242585	hyper	sig	chr20_21709141
chr20	16574649	16574649	+	1.631E-08	1.0474E-07	-0.20929	hypo	sig	chr20_16574649
chr11	1.16E+08	115758108	+	1.633E-08	1.0481E-07	-0.24348	hypo	sig	chr11_115758108
chr1	16228400	16228400	+	1.633E-08	1.0484E-07	0.202513	hyper	sig	chr1_16228400
chr12	76984783	76984783	+	1.634E-08	1.0489E-07	-0.22421	hypo	sig	chr12_76984783
chr16	67648900	67648900	+	1.635E-08	1.0495E-07	0.249258	hyper	sig	chr16_67648900
chr13	94704049	94704049	+	1.636E-08	1.0501E-07	0.265492	hyper	sig	chr13_94704049
chr7	119499	119499	+	1.637E-08	1.0507E-07	-0.2133	hypo	sig	chr7_119499
chr19	45901443	45901443	+	1.641E-08	1.053E-07	0.270936	hyper	sig	chr19_45901443
chr1	7660958	7660958	+	1.641E-08	1.0533E-07	-0.20784	hypo	sig	chr1_7660958
chr17	73899469	73899469	+	1.645E-08	1.0555E-07	-0.2377	hypo	sig	chr17_73899469
chr14	52069981	52069981	+	1.645E-08	1.0559E-07	0.237153	hyper	sig	chr14_52069981
chr2	2.39E+08	238914446	+	1.646E-08	1.0563E-07	-0.20509	hypo	sig	chr2_238914446
chr7	2692140	2692140	+	1.647E-08	1.0569E-07	-0.25249	hypo	sig	chr7_2692140
chr20	36955616	36955616	+	1.649E-08	1.0578E-07	-0.23277	hypo	sig	chr20_36955616
chr2	1.56E+08	156329835	+	1.65E-08	1.0584E-07	0.23143	hyper	sig	chr2_156329835
chr5	524939	524939	+	1.651E-08	1.059E-07	0.28793	hyper	sig	chr5_524939
chr3	36945350	36945350	+	1.651E-08	1.0592E-07	0.217048	hyper	sig	chr3_36945350
chr17	32517639	32517639	+	1.652E-08	1.0598E-07	0.219367	hyper	sig	chr17_32517639
chr14	1.05E+08	104844764	+	1.652E-08	1.0599E-07	0.249165	hyper	sig	chr14_104844764

chr22	10962055	10962055	+	1.656E-08	1.0621E-07	-0.21141	hypo	sig	chr22_10962055
chr8	1.42E+08	142335264	+	1.66E-08	1.065E-07	-0.30564	hypo	sig	chr8_142335264
chr4	7337065	7337065	+	1.661E-08	1.0651E-07	-0.21628	hypo	sig	chr4_7337065
chr12	57628131	57628131	+	1.661E-08	1.0652E-07	0.234292	hyper	sig	chr12_57628131
chr2	1.61E+08	161424675	+	1.663E-08	1.0669E-07	0.211973	hyper	sig	chr2_161424675
chr16	4335249	4335249	+	1.665E-08	1.0677E-07	-0.21972	hypo	sig	chr16_4335249
chr13	1.1E+08	110484910	+	1.666E-08	1.0682E-07	-0.21871	hypo	sig	chr13_110484910
chr11	1.23E+08	122976818	+	1.666E-08	1.0687E-07	0.244076	hyper	sig	chr11_122976818
chr5	1.74E+08	173555474	+	1.668E-08	1.0695E-07	-0.20001	hypo	sig	chr5_173555474
chr5	1724860	1724860	+	1.668E-08	1.0698E-07	-0.24303	hypo	sig	chr5_1724860
chr11	46361429	46361429	+	1.67E-08	1.071E-07	0.250233	hyper	sig	chr11_46361429
chr12	38138343	38138343	+	1.671E-08	1.0716E-07	0.27323	hyper	sig	chr12_38138343
chr7	1.54E+08	154052642	+	1.673E-08	1.0728E-07	0.244944	hyper	sig	chr7_154052642
chr1	1.1E+08	110113886	+	1.673E-08	1.0729E-07	-0.20594	hypo	sig	chr1_110113886
chr8	48260240	48260240	+	1.675E-08	1.0736E-07	-0.23021	hypo	sig	chr8_48260240
chr15	1.01E+08	100880784	+	1.676E-08	1.0745E-07	0.252114	hyper	sig	chr15_100880784
chr7	5295712	5295712	+	1.677E-08	1.0748E-07	-0.26691	hypo	sig	chr7_5295712
chr5	1.34E+08	134115934	+	1.68E-08	1.0768E-07	-0.21595	hypo	sig	chr5_134115934
chr12	1.32E+08	132268879	+	1.68E-08	1.0771E-07	0.200284	hyper	sig	chr12_132268879
chr11	1.32E+08	131684234	+	1.682E-08	1.0782E-07	-0.20392	hypo	sig	chr11_131684234
chr1	2207578	2207578	+	1.682E-08	1.0783E-07	0.267043	hyper	sig	chr1_2207578
chr7	1073413	1073413	+	1.686E-08	1.0803E-07	0.228052	hyper	sig	chr7_1073413
chr10	80131691	80131691	+	1.686E-08	1.0804E-07	-0.20252	hypo	sig	chr10_80131691
chr17	22517794	22517794	+	1.687E-08	1.0809E-07	0.202365	hyper	sig	chr17_22517794
chr15	65300540	65300540	+	1.687E-08	1.0811E-07	-0.22868	hypo	sig	chr15_65300540
chr17	81461158	81461158	+	1.688E-08	1.0817E-07	-0.23108	hypo	sig	chr17_81461158
chr3	68932947	68932947	+	1.688E-08	1.0817E-07	0.201364	hyper	sig	chr3_68932947
chr13	24160170	24160170	+	1.688E-08	1.0819E-07	-0.22689	hypo	sig	chr13_24160170
chr19	5871024	5871024	+	1.689E-08	1.0824E-07	0.234476	hyper	sig	chr19_5871024
chr12	4031921	4031921	+	1.692E-08	1.0845E-07	-0.2583	hypo	sig	chr12_4031921
chr1	47984336	47984336	+	1.693E-08	1.0851E-07	0.20303	hyper	sig	chr1_47984336
chr5	51390300	51390300	+	1.694E-08	1.0852E-07	0.214545	hyper	sig	chr5_51390300
chr5	88667859	88667859	+	1.695E-08	1.0858E-07	0.258074	hyper	sig	chr5_88667859
chr12	1.25E+08	124551855	+	1.696E-08	1.0866E-07	0.201199	hyper	sig	chr12_124551855
chr4	3494567	3494567	+	1.697E-08	1.0871E-07	0.208973	hyper	sig	chr4_3494567
chr3	1.84E+08	184491317	+	1.697E-08	1.0874E-07	0.215354	hyper	sig	chr3_184491317
chr5	1295566	1295566	+	1.698E-08	1.088E-07	0.272578	hyper	sig	chr5_1295566
chr16	73064075	73064075	+	1.701E-08	1.0899E-07	-0.21072	hypo	sig	chr16_73064075
chr9	21031785	21031785	+	1.702E-08	1.0903E-07	0.21686	hyper	sig	chr9_21031785
chr9	1.24E+08	124451397	+	1.703E-08	1.0907E-07	0.261486	hyper	sig	chr9_124451397
chr5	1.5E+08	150209647	+	1.705E-08	1.0921E-07	-0.21039	hypo	sig	chr5_150209647
chr7	1.59E+08	158806122	+	1.706E-08	1.0925E-07	0.312531	hyper	sig	chr7_158806122
chr13	1.13E+08	113413655	+	1.708E-08	1.0937E-07	0.217472	hyper	sig	chr13_113413655
chr10	1.31E+08	131177919	+	1.708E-08	1.0942E-07	0.213765	hyper	sig	chr10_131177919
chr11	1.33E+08	133363259	+	1.711E-08	1.0957E-07	-0.20264	hypo	sig	chr11_133363259
chr16	88143862	88143862	+	1.711E-08	1.0959E-07	0.213289	hyper	sig	chr16_88143862
chr20	31997524	31997524	+	1.712E-08	1.0961E-07	-0.27643	hypo	sig	chr20_31997524
chr6	28616184	28616184	+	1.717E-08	1.0992E-07	0.216549	hyper	sig	chr6_28616184
chr19	55487334	55487334	+	1.719E-08	1.1005E-07	0.243103	hyper	sig	chr19_55487334
chr9	1.35E+08	134625494	+	1.72E-08	1.1013E-07	-0.22549	hypo	sig	chr9_134625494
chr19	12874154	12874154	+	1.722E-08	1.1023E-07	-0.24168	hypo	sig	chr19_12874154
chr1	1.45E+08	145168370	+	1.722E-08	1.1025E-07	0.222062	hyper	sig	chr1_145168370
chr11	1784683	1784683	+	1.723E-08	1.1029E-07	-0.22207	hypo	sig	chr11_1784683
chr16	353851	353851	+	1.727E-08	1.1052E-07	-0.21161	hypo	sig	chr16_353851
chr16	86733076	86733076	+	1.727E-08	1.1056E-07	0.225311	hyper	sig	chr16_86733076
chr11	24496510	24496510	+	1.729E-08	1.1064E-07	0.212187	hyper	sig	chr11_24496510

chr1	1.82E+08	182056691	+	1.729E-08	1.1066E-07	0.235137	hyper	sig	chr1_182056691
chr17	9017775	9017775	+	1.729E-08	1.1066E-07	-0.20075	hypo	sig	chr17_9017775
chr3	1.96E+08	195849501	+	1.729E-08	1.1067E-07	-0.22258	hypo	sig	chr3_195849501
chr2	2.4E+08	240326508	+	1.731E-08	1.1076E-07	-0.21543	hypo	sig	chr2_240326508
chr5	1.73E+08	173238349	+	1.732E-08	1.1082E-07	0.209633	hyper	sig	chr5_173238349
chr8	43551275	43551275	+	1.732E-08	1.1084E-07	-0.23053	hypo	sig	chr8_43551275
chr2	1.76E+08	176072784	+	1.732E-08	1.1086E-07	-0.20146	hypo	sig	chr2_176072784
chr1	33307105	33307105	+	1.734E-08	1.1098E-07	0.202564	hyper	sig	chr1_33307105
chr11	420681	420681	+	1.736E-08	1.1106E-07	0.222222	hyper	sig	chr11_420681
chr4	1.9E+08	190017856	+	1.736E-08	1.1108E-07	0.250091	hyper	sig	chr4_190017856
chr16	83949064	83949064	+	1.738E-08	1.1117E-07	-0.2083	hypo	sig	chr16_83949064
chr16	86733072	86733072	+	1.738E-08	1.1121E-07	0.21675	hyper	sig	chr16_86733072
chr1	16535695	16535695	+	1.738E-08	1.1121E-07	0.205103	hyper	sig	chr1_16535695
chr10	42242689	42242689	+	1.739E-08	1.1123E-07	0.256719	hyper	sig	chr10_42242689
chr7	10779699	10779699	+	1.74E-08	1.1131E-07	-0.29279	hypo	sig	chr7_10779699
chr1	62690779	62690779	+	1.742E-08	1.1145E-07	0.229695	hyper	sig	chr1_62690779
chr16	51151631	51151631	+	1.743E-08	1.1148E-07	0.209766	hyper	sig	chr16_51151631
chr17	77543831	77543831	+	1.745E-08	1.1161E-07	-0.20513	hypo	sig	chr17_77543831
chr10	1.32E+08	131980257	+	1.745E-08	1.1164E-07	0.206939	hyper	sig	chr10_131980257
chr11	737908	737908	+	1.747E-08	1.1172E-07	-0.20457	hypo	sig	chr11_737908
chr19	36775823	36775823	+	1.748E-08	1.1183E-07	0.25225	hyper	sig	chr19_36775823
chr4	107261	107261	+	1.749E-08	1.1186E-07	0.255701	hyper	sig	chr4_107261
chr15	96343652	96343652	+	1.749E-08	1.1187E-07	-0.23709	hypo	sig	chr15_96343652
chr11	12009961	12009961	+	1.749E-08	1.1189E-07	-0.216	hypo	sig	chr11_12009961
chr2	1.3E+08	129587442	+	1.75E-08	1.1191E-07	0.251059	hyper	sig	chr2_129587442
chr16	14989712	14989712	+	1.75E-08	1.1194E-07	0.201745	hyper	sig	chr16_14989712
chr4	1.32E+08	132063033	+	1.751E-08	1.1198E-07	-0.21591	hypo	sig	chr4_132063033
chr1	2.48E+08	247936647	+	1.755E-08	1.1225E-07	-0.2537	hypo	sig	chr1_247936647
chr8	46219155	46219155	+	1.757E-08	1.1235E-07	-0.24714	hypo	sig	chr8_46219155
chr2	2.41E+08	241037241	+	1.759E-08	1.1247E-07	0.215464	hyper	sig	chr2_241037241
chr1	6455808	6455808	+	1.761E-08	1.1261E-07	0.226375	hyper	sig	chr1_6455808
chr9	1.37E+08	137494245	+	1.763E-08	1.1272E-07	-0.2216	hypo	sig	chr9_137494245
chr5	1.41E+08	141431397	+	1.765E-08	1.1283E-07	0.203573	hyper	sig	chr5_141431397
chr19	57708794	57708794	+	1.768E-08	1.1304E-07	0.269567	hyper	sig	chr19_57708794
chr15	69296662	69296662	+	1.768E-08	1.1305E-07	-0.20489	hypo	sig	chr15_69296662
chr18	10414594	10414594	+	1.771E-08	1.1318E-07	-0.20863	hypo	sig	chr18_10414594
chr13	35478661	35478661	+	1.772E-08	1.1326E-07	0.240214	hyper	sig	chr13_35478661
chr1	2.03E+08	203029191	+	1.772E-08	1.133E-07	0.21052	hyper	sig	chr1_203029191
chr1	98053867	98053867	+	1.773E-08	1.1331E-07	0.204425	hyper	sig	chr1_98053867
chr11	69449956	69449956	+	1.773E-08	1.1331E-07	-0.25854	hypo	sig	chr11_69449956
chr19	2727792	2727792	+	1.774E-08	1.1342E-07	-0.24683	hypo	sig	chr19_2727792
chr10	50674965	50674965	+	1.775E-08	1.1347E-07	-0.20545	hypo	sig	chr10_50674965
chr5	1.41E+08	141388772	+	1.778E-08	1.1363E-07	0.20831	hyper	sig	chr5_141388772
chr4	1.87E+08	187066088	+	1.778E-08	1.1363E-07	-0.23209	hypo	sig	chr4_187066088
chr3	1.97E+08	196948467	+	1.779E-08	1.137E-07	0.25007	hyper	sig	chr3_196948467
chr1	24927585	24927585	+	1.78E-08	1.1375E-07	0.204886	hyper	sig	chr1_24927585
chr19	36776063	36776063	+	1.78E-08	1.1378E-07	0.286452	hyper	sig	chr19_36776063
chr11	31826038	31826038	+	1.782E-08	1.1388E-07	0.253003	hyper	sig	chr11_31826038
chr12	1.24E+08	124387790	+	1.782E-08	1.1389E-07	0.224598	hyper	sig	chr12_124387790
chr16	1534600	1534600	+	1.782E-08	1.1389E-07	0.21205	hyper	sig	chr16_1534600
chr9	96027776	96027776	+	1.783E-08	1.1393E-07	0.260155	hyper	sig	chr9_96027776
chr13	1.13E+08	113417683	+	1.784E-08	1.1402E-07	-0.20746	hypo	sig	chr13_113417683
chr3	1.54E+08	154122936	+	1.788E-08	1.1423E-07	0.229755	hyper	sig	chr3_154122936
chr3	1.25E+08	125141929	+	1.788E-08	1.1425E-07	0.257983	hyper	sig	chr3_125141929
chr16	2714279	2714279	+	1.79E-08	1.1435E-07	-0.22999	hypo	sig	chr16_2714279
chr1	1.19E+08	118988391	+	1.79E-08	1.1438E-07	0.28264	hyper	sig	chr1_118988391

chr13	31101031	31101031	+	1.793E-08	1.1456E-07	-0.26764	hypo	sig	chr13_31101031
chr7	55005531	55005531	+	1.794E-08	1.146E-07	0.244433	hyper	sig	chr7_55005531
chr18	8800261	8800261	+	1.794E-08	1.1464E-07	0.239333	hyper	sig	chr18_8800261
chr17	80109008	80109008	+	1.798E-08	1.1487E-07	-0.25395	hypo	sig	chr17_80109008
chr12	1.17E+08	116506415	+	1.798E-08	1.1487E-07	-0.21285	hypo	sig	chr12_116506415
chr20	61934233	61934233	+	1.799E-08	1.1489E-07	-0.28376	hypo	sig	chr20_61934233
chr1	37930662	37930662	+	1.8E-08	1.1495E-07	-0.23121	hypo	sig	chr1_37930662
chr11	62547553	62547553	+	1.803E-08	1.1513E-07	0.212057	hyper	sig	chr11_62547553
chr8	41834223	41834223	+	1.805E-08	1.1525E-07	-0.2189	hypo	sig	chr8_41834223
chr5	76081857	76081857	+	1.805E-08	1.1526E-07	0.228723	hyper	sig	chr5_76081857
chr7	1.57E+08	157302476	+	1.805E-08	1.1527E-07	-0.22191	hypo	sig	chr7_157302476
chr15	55589133	55589133	+	1.806E-08	1.1532E-07	0.232556	hyper	sig	chr15_55589133
chr13	1.12E+08	111945429	+	1.808E-08	1.1543E-07	-0.25172	hypo	sig	chr13_111945429
chr22	50028149	50028149	+	1.808E-08	1.1544E-07	-0.24971	hypo	sig	chr22_50028149
chr7	1.28E+08	128270808	+	1.808E-08	1.1546E-07	0.225676	hyper	sig	chr7_128270808
chr14	1.04E+08	103524428	+	1.809E-08	1.1552E-07	0.203406	hyper	sig	chr14_103524428
chr2	1.13E+08	113235424	+	1.811E-08	1.1561E-07	-0.23324	hypo	sig	chr2_113235424
chr7	2692084	2692084	+	1.812E-08	1.1571E-07	-0.27201	hypo	sig	chr7_2692084
chr16	3962870	3962870	+	1.815E-08	1.159E-07	-0.26029	hypo	sig	chr16_3962870
chr1	29350076	29350076	+	1.818E-08	1.1605E-07	-0.23992	hypo	sig	chr1_29350076
chr20	62710540	62710540	+	1.818E-08	1.1605E-07	-0.29658	hypo	sig	chr20_62710540
chr5	53485154	53485154	+	1.819E-08	1.1611E-07	-0.2579	hypo	sig	chr5_53485154
chr8	22690192	22690192	+	1.82E-08	1.1619E-07	0.213434	hyper	sig	chr8_22690192
chr12	1.15E+08	114664973	+	1.821E-08	1.1622E-07	0.220762	hyper	sig	chr12_114664973
chr8	1.1E+08	109645809	+	1.821E-08	1.1626E-07	-0.21667	hypo	sig	chr8_109645809
chr5	602109	602109	+	1.822E-08	1.1628E-07	-0.21045	hypo	sig	chr5_602109
chr22	17037555	17037555	+	1.823E-08	1.1638E-07	0.214462	hyper	sig	chr22_17037555
chr13	1.12E+08	112331799	+	1.824E-08	1.1643E-07	0.228287	hyper	sig	chr13_112331799
chr5	79111529	79111529	+	1.826E-08	1.1654E-07	-0.20709	hypo	sig	chr5_79111529
chr8	1.41E+08	140549847	+	1.826E-08	1.1655E-07	0.22627	hyper	sig	chr8_140549847
chr3	62377371	62377371	+	1.829E-08	1.1671E-07	0.214376	hyper	sig	chr3_62377371
chr11	77138067	77138067	+	1.83E-08	1.1679E-07	0.231416	hyper	sig	chr11_77138067
chr17	49994443	49994443	+	1.83E-08	1.1681E-07	0.223924	hyper	sig	chr17_49994443
chr1	1434213	1434213	+	1.831E-08	1.1686E-07	0.213154	hyper	sig	chr1_1434213
chr9	96219163	96219163	+	1.833E-08	1.1698E-07	-0.2307	hypo	sig	chr9_96219163
chr12	188985	188985	+	1.834E-08	1.1706E-07	0.210286	hyper	sig	chr12_188985
chr2	1.63E+08	163348307	+	1.835E-08	1.1706E-07	0.22839	hyper	sig	chr2_163348307
chr15	23897818	23897818	+	1.836E-08	1.1717E-07	0.240251	hyper	sig	chr15_23897818
chr3	48657049	48657049	+	1.837E-08	1.172E-07	0.204825	hyper	sig	chr3_48657049
chr16	85445065	85445065	+	1.838E-08	1.173E-07	-0.215	hypo	sig	chr16_85445065
chr20	62220952	62220952	+	1.839E-08	1.1735E-07	0.238352	hyper	sig	chr20_62220952
chr16	3183740	3183740	+	1.84E-08	1.1737E-07	0.226364	hyper	sig	chr16_3183740
chr4	1.77E+08	176792233	+	1.846E-08	1.1774E-07	0.202735	hyper	sig	chr4_176792233
chr11	2386084	2386084	+	1.848E-08	1.179E-07	0.213934	hyper	sig	chr11_2386084
chr2	96550121	96550121	+	1.85E-08	1.1799E-07	-0.20146	hypo	sig	chr2_96550121
chr1	2239592	2239592	+	1.85E-08	1.1803E-07	-0.20712	hypo	sig	chr1_2239592
chr17	78258007	78258007	+	1.852E-08	1.181E-07	-0.22445	hypo	sig	chr17_78258007
chr13	1.14E+08	114019504	+	1.853E-08	1.182E-07	-0.35	hypo	sig	chr13_114019504
chr5	1.41E+08	141394937	+	1.854E-08	1.1825E-07	0.222764	hyper	sig	chr5_141394937
chr6	28977398	28977398	+	1.855E-08	1.1832E-07	0.208649	hyper	sig	chr6_28977398
chr16	31354821	31354821	+	1.857E-08	1.1843E-07	-0.20774	hypo	sig	chr16_31354821
chr4	1.39E+08	139011489	+	1.86E-08	1.1858E-07	-0.26706	hypo	sig	chr4_139011489
chr16	3192850	3192850	+	1.86E-08	1.1861E-07	0.205986	hyper	sig	chr16_3192850
chr12	55704084	55704084	+	1.86E-08	1.1863E-07	0.238643	hyper	sig	chr12_55704084
chr15	40343658	40343658	+	1.862E-08	1.1876E-07	-0.23207	hypo	sig	chr15_40343658
chr7	1.01E+08	100874570	+	1.863E-08	1.1877E-07	0.232584	hyper	sig	chr7_100874570

chr13	36432047	36432047	+	1.864E-08	1.1885E-07	0.230634	hyper	sig	chr13_36432047
chr22	16602728	16602728	+	1.865E-08	1.1892E-07	0.215323	hyper	sig	chr22_16602728
chr10	26217144	26217144	+	1.867E-08	1.1904E-07	0.215415	hyper	sig	chr10_26217144
chr8	64577144	64577144	+	1.869E-08	1.1914E-07	0.205288	hyper	sig	chr8_64577144
chr2	2.37E+08	237453820	+	1.871E-08	1.193E-07	-0.20272	hypo	sig	chr2_237453820
chr17	76027633	76027633	+	1.872E-08	1.1934E-07	-0.22799	hypo	sig	chr17_76027633
chr12	63821912	63821912	+	1.878E-08	1.1969E-07	0.203206	hyper	sig	chr12_63821912
chr21	36159548	36159548	+	1.88E-08	1.1982E-07	-0.20745	hypo	sig	chr21_36159548
chr2	1E+08	100292175	+	1.881E-08	1.1987E-07	-0.2109	hypo	sig	chr2_100292175
chr2	2.41E+08	240672574	+	1.882E-08	1.1995E-07	0.220916	hyper	sig	chr2_240672574
chr4	1.08E+08	108166263	+	1.884E-08	1.2008E-07	0.217309	hyper	sig	chr4_108166263
chr6	28774818	28774818	+	1.884E-08	1.2008E-07	0.210216	hyper	sig	chr6_28774818
chr10	1.17E+08	117213094	+	1.885E-08	1.2014E-07	-0.2073	hypo	sig	chr10_117213094
chr1	6455813	6455813	+	1.887E-08	1.2027E-07	0.230446	hyper	sig	chr1_6455813
chr2	96527294	96527294	+	1.888E-08	1.2031E-07	0.229372	hyper	sig	chr2_96527294
chr5	320716	320716	+	1.889E-08	1.2036E-07	0.229232	hyper	sig	chr5_320716
chr14	1.03E+08	103126829	+	1.889E-08	1.2036E-07	0.215697	hyper	sig	chr14_103126829
chr20	49905630	49905630	+	1.891E-08	1.2053E-07	-0.24004	hypo	sig	chr20_49905630
chr3	1.57E+08	157120258	+	1.894E-08	1.2071E-07	-0.2269	hypo	sig	chr3_157120258
chr1	9538975	9538975	+	1.897E-08	1.2085E-07	-0.23679	hypo	sig	chr1_9538975
chr17	77060223	77060223	+	1.897E-08	1.2087E-07	-0.24141	hypo	sig	chr17_77060223
chr17	2057992	2057992	+	1.897E-08	1.2089E-07	0.206699	hyper	sig	chr17_2057992
chr17	60078007	60078007	+	1.898E-08	1.2093E-07	0.229094	hyper	sig	chr17_60078007
chr19	42698127	42698127	+	1.898E-08	1.2095E-07	0.264547	hyper	sig	chr19_42698127
chr3	29701618	29701618	+	1.9E-08	1.2104E-07	-0.22076	hypo	sig	chr3_29701618
chr12	1.32E+08	132426878	+	1.901E-08	1.2113E-07	-0.21316	hypo	sig	chr12_132426878
chr20	19974932	19974932	+	1.903E-08	1.2121E-07	0.211891	hyper	sig	chr20_19974932
chr5	1.68E+08	168288604	+	1.906E-08	1.2143E-07	-0.23572	hypo	sig	chr5_168288604
chr5	1.71E+08	171308124	+	1.909E-08	1.2159E-07	0.223243	hyper	sig	chr5_171308124
chr7	98865909	98865909	+	1.909E-08	1.216E-07	-0.2059	hypo	sig	chr7_98865909
chr9	96219270	96219270	+	1.909E-08	1.2161E-07	-0.27252	hypo	sig	chr9_96219270
chr16	563321	563321	+	1.91E-08	1.2165E-07	-0.22576	hypo	sig	chr16_563321
chr19	1235149	1235149	+	1.911E-08	1.2172E-07	-0.23353	hypo	sig	chr19_1235149
chr22	43160089	43160089	+	1.912E-08	1.2178E-07	-0.21127	hypo	sig	chr22_43160089
chr14	60653480	60653480	+	1.913E-08	1.2184E-07	0.225593	hyper	sig	chr14_60653480
chr12	66189052	66189052	+	1.915E-08	1.2194E-07	0.218348	hyper	sig	chr12_66189052
chr5	1.55E+08	154691766	+	1.918E-08	1.2212E-07	0.26292	hyper	sig	chr5_154691766
chr13	1.13E+08	113105909	+	1.92E-08	1.2223E-07	-0.21088	hypo	sig	chr13_113105909
chr3	96814855	96814855	+	1.92E-08	1.2224E-07	0.202295	hyper	sig	chr3_96814855
chr17	38734061	38734061	+	1.922E-08	1.2236E-07	0.208077	hyper	sig	chr17_38734061
chr17	44559202	44559202	+	1.924E-08	1.2253E-07	0.224897	hyper	sig	chr17_44559202
chr17	7013765	7013765	+	1.926E-08	1.226E-07	-0.28	hypo	sig	chr17_7013765
chr10	1.32E+08	132206362	+	1.928E-08	1.2274E-07	-0.20362	hypo	sig	chr10_132206362
chr10	97584221	97584221	+	1.929E-08	1.2278E-07	-0.22901	hypo	sig	chr10_97584221
chr18	78515481	78515481	+	1.929E-08	1.228E-07	-0.24709	hypo	sig	chr18_78515481
chr21	44391640	44391640	+	1.93E-08	1.2287E-07	0.228775	hyper	sig	chr21_44391640
chr11	1.16E+08	116357957	+	1.931E-08	1.2296E-07	0.209907	hyper	sig	chr11_116357957
chr17	6552048	6552048	+	1.931E-08	1.2296E-07	-0.21357	hypo	sig	chr17_6552048
chr8	1.04E+08	104367478	+	1.932E-08	1.23E-07	0.211433	hyper	sig	chr8_104367478
chr18	11755854	11755854	+	1.935E-08	1.2315E-07	-0.21498	hypo	sig	chr18_11755854
chr3	62377729	62377729	+	1.938E-08	1.2334E-07	0.212276	hyper	sig	chr3_62377729
chr1	37316589	37316589	+	1.938E-08	1.2337E-07	-0.22076	hypo	sig	chr1_37316589
chr19	34905186	34905186	+	1.943E-08	1.2369E-07	0.227267	hyper	sig	chr19_34905186
chr19	50640091	50640091	+	1.945E-08	1.2377E-07	0.218732	hyper	sig	chr19_50640091
chr3	62375208	62375208	+	1.946E-08	1.2387E-07	0.203097	hyper	sig	chr3_62375208
chr21	29938380	29938380	+	1.948E-08	1.2394E-07	-0.20234	hypo	sig	chr21_29938380

chr1	18600058	18600058	+	1.949E-08	1.24E-07	-0.22504	hypo	sig	chr1_18600058
chr1	2.1E+08	209676100	+	1.949E-08	1.2405E-07	0.230231	hyper	sig	chr1_209676100
chr2	1.13E+08	113499278	+	1.95E-08	1.241E-07	0.245685	hyper	sig	chr2_113499278
chr5	93573130	93573130	+	1.951E-08	1.2417E-07	0.295114	hyper	sig	chr5_93573130
chr11	1.29E+08	128823527	+	1.953E-08	1.2424E-07	-0.22671	hypo	sig	chr11_128823527
chr4	1.11E+08	110629222	+	1.953E-08	1.2426E-07	0.243302	hyper	sig	chr4_110629222
chr5	1.41E+08	141370631	+	1.953E-08	1.2428E-07	0.25243	hyper	sig	chr5_141370631
chr21	41361574	41361574	+	1.954E-08	1.2431E-07	-0.23535	hypo	sig	chr21_41361574
chr6	6002539	6002539	+	1.954E-08	1.2432E-07	0.245198	hyper	sig	chr6_6002539
chr17	80498388	80498388	+	1.959E-08	1.2464E-07	0.202891	hyper	sig	chr17_80498388
chr7	2512026	2512026	+	1.962E-08	1.2483E-07	-0.23821	hypo	sig	chr7_2512026
chr2	2.18E+08	217904600	+	1.963E-08	1.2486E-07	0.222043	hyper	sig	chr2_217904600
chr22	43433865	43433865	+	1.964E-08	1.2495E-07	-0.20435	hypo	sig	chr22_43433865
chr11	66559218	66559218	+	1.966E-08	1.2503E-07	0.216497	hyper	sig	chr11_66559218
chr17	50270780	50270780	+	1.966E-08	1.2505E-07	0.22817	hyper	sig	chr17_50270780
chr7	97003679	97003679	+	1.966E-08	1.2508E-07	0.226215	hyper	sig	chr7_97003679
chr3	1.84E+08	184338848	+	1.967E-08	1.2514E-07	0.228195	hyper	sig	chr3_184338848
chr5	1207175	1207175	+	1.97E-08	1.2532E-07	-0.24248	hypo	sig	chr5_1207175
chr3	1.84E+08	184338854	+	1.972E-08	1.2541E-07	0.238608	hyper	sig	chr3_184338854
chr7	1.28E+08	128134927	+	1.972E-08	1.2543E-07	0.224733	hyper	sig	chr7_128134927
chr2	1.13E+08	113291328	+	1.973E-08	1.2546E-07	0.220456	hyper	sig	chr2_113291328
chr7	1.44E+08	143511529	+	1.978E-08	1.2576E-07	0.259529	hyper	sig	chr7_143511529
chr16	67969785	67969785	+	1.978E-08	1.2576E-07	0.23171	hyper	sig	chr16_67969785
chr14	1.01E+08	100824227	+	1.981E-08	1.2594E-07	0.218767	hyper	sig	chr14_100824227
chr1	18820489	18820489	+	1.986E-08	1.2628E-07	-0.21254	hypo	sig	chr1_18820489
chr1	1.45E+08	145453912	+	1.988E-08	1.2635E-07	0.22736	hyper	sig	chr1_145453912
chr19	54906142	54906142	+	1.988E-08	1.2641E-07	0.206011	hyper	sig	chr19_54906142
chr19	1523061	1523061	+	1.989E-08	1.2645E-07	-0.21104	hypo	sig	chr19_1523061
chr20	38645528	38645528	+	1.99E-08	1.2651E-07	-0.21322	hypo	sig	chr20_38645528
chr12	49544315	49544315	+	1.991E-08	1.2654E-07	0.30178	hyper	sig	chr12_49544315
chr19	12751083	12751083	+	1.993E-08	1.2667E-07	-0.23749	hypo	sig	chr19_12751083
chr10	1.17E+08	117138473	+	1.995E-08	1.2682E-07	0.231965	hyper	sig	chr10_117138473
chr11	62922543	62922543	+	1.996E-08	1.2684E-07	-0.22105	hypo	sig	chr11_62922543
chr3	1.42E+08	141797713	+	1.996E-08	1.2686E-07	0.242567	hyper	sig	chr3_141797713
chr12	1.27E+08	127060567	+	1.996E-08	1.2688E-07	-0.252	hypo	sig	chr12_127060567
chr16	29664682	29664682	+	1.998E-08	1.2696E-07	-0.22191	hypo	sig	chr16_29664682
chr20	40683521	40683521	+	1.998E-08	1.2696E-07	0.207121	hyper	sig	chr20_40683521
chr17	47424294	47424294	+	2E-08	1.271E-07	0.204169	hyper	sig	chr17_47424294
chr12	1.07E+08	106578527	+	2E-08	1.2711E-07	-0.20674	hypo	sig	chr12_106578527
chr7	1599745	1599745	+	2.005E-08	1.274E-07	-0.24386	hypo	sig	chr7_1599745
chr15	77975713	77975713	+	2.008E-08	1.2759E-07	0.229535	hyper	sig	chr15_77975713
chr3	1.27E+08	126542477	+	2.009E-08	1.2763E-07	0.231486	hyper	sig	chr3_126542477
chr11	1918452	1918452	+	2.009E-08	1.2767E-07	-0.26016	hypo	sig	chr11_1918452
chr11	18412234	18412234	+	2.012E-08	1.2782E-07	0.228008	hyper	sig	chr11_18412234
chr14	60655613	60655613	+	2.015E-08	1.2799E-07	0.25828	hyper	sig	chr14_60655613
chr6	2891696	2891696	+	2.017E-08	1.281E-07	-0.2017	hypo	sig	chr6_2891696
chr17	41519920	41519920	+	2.02E-08	1.2829E-07	-0.26994	hypo	sig	chr17_41519920
chr6	1.68E+08	168377706	+	2.021E-08	1.284E-07	0.245938	hyper	sig	chr6_168377706
chr14	56810071	56810071	+	2.023E-08	1.2849E-07	0.24375	hyper	sig	chr14_56810071
chr16	29133126	29133126	+	2.025E-08	1.2858E-07	-0.24638	hypo	sig	chr16_29133126
chr7	12112012	12112012	+	2.026E-08	1.2869E-07	0.228325	hyper	sig	chr7_12112012
chr5	1.75E+08	174733347	+	2.028E-08	1.288E-07	0.209257	hyper	sig	chr5_174733347
chr15	24101778	24101778	+	2.032E-08	1.2905E-07	0.200749	hyper	sig	chr15_24101778
chr12	1.03E+08	102958916	+	2.036E-08	1.2929E-07	0.229526	hyper	sig	chr12_102958916
chr2	2.41E+08	241037198	+	2.04E-08	1.295E-07	0.297535	hyper	sig	chr2_241037198
chr14	96615494	96615494	+	2.04E-08	1.2954E-07	-0.25974	hypo	sig	chr14_96615494

chr16	57528824	57528824	+	2.04E-08	1.2955E-07	-0.22875	hypo	sig	chr16_57528824
chr17	79423414	79423414	+	2.041E-08	1.2955E-07	-0.20046	hypo	sig	chr17_79423414
chr8	46219130	46219130	+	2.041E-08	1.2955E-07	-0.25878	hypo	sig	chr8_46219130
chr16	1443732	1443732	+	2.041E-08	1.2956E-07	-0.22267	hypo	sig	chr16_1443732
chr8	97598215	97598215	+	2.041E-08	1.2956E-07	-0.20546	hypo	sig	chr8_97598215
chr3	1.25E+08	125141881	+	2.042E-08	1.2965E-07	0.256808	hyper	sig	chr3_125141881
chr11	16611177	16611177	+	2.042E-08	1.2965E-07	0.213393	hyper	sig	chr11_16611177
chr16	88334778	88334778	+	2.045E-08	1.2984E-07	-0.24875	hypo	sig	chr16_88334778
chr15	68552526	68552526	+	2.045E-08	1.2984E-07	-0.20699	hypo	sig	chr15_68552526
chr1	1.81E+08	181483851	+	2.047E-08	1.2996E-07	0.200771	hyper	sig	chr1_181483851
chr1	20185571	20185571	+	2.051E-08	1.3017E-07	-0.21231	hypo	sig	chr1_20185571
chr7	1.22E+08	122315387	+	2.052E-08	1.3024E-07	0.231232	hyper	sig	chr7_122315387
chr2	2.2E+08	219852122	+	2.053E-08	1.3032E-07	0.217467	hyper	sig	chr2_219852122
chr14	95651164	95651164	+	2.055E-08	1.304E-07	-0.20395	hypo	sig	chr14_95651164
chr17	14295106	14295106	+	2.058E-08	1.306E-07	0.241395	hyper	sig	chr17_14295106
chr19	35533866	35533866	+	2.06E-08	1.3072E-07	0.21978	hyper	sig	chr19_35533866
chr3	75604405	75604405	+	2.061E-08	1.3079E-07	-0.21482	hypo	sig	chr3_75604405
chr16	1182084	1182084	+	2.063E-08	1.3089E-07	-0.23484	hypo	sig	chr16_1182084
chr7	1276230	1276230	+	2.064E-08	1.3094E-07	0.203143	hyper	sig	chr7_1276230
chr4	7664293	7664293	+	2.065E-08	1.31E-07	-0.20234	hypo	sig	chr4_7664293
chr5	1.76E+08	175657707	+	2.065E-08	1.31E-07	0.251107	hyper	sig	chr5_175657707
chr8	1.43E+08	142700279	+	2.066E-08	1.3108E-07	0.235585	hyper	sig	chr8_142700279
chr3	1.85E+08	184769979	+	2.066E-08	1.3108E-07	-0.20528	hypo	sig	chr3_184769979
chr1	39922639	39922639	+	2.067E-08	1.3114E-07	0.209735	hyper	sig	chr1_39922639
chr7	1.51E+08	151014113	+	2.068E-08	1.312E-07	0.223322	hyper	sig	chr7_151014113
chr20	62216082	62216082	+	2.069E-08	1.3125E-07	-0.25945	hypo	sig	chr20_62216082
chr10	1.33E+08	132964724	+	2.069E-08	1.3128E-07	-0.20536	hypo	sig	chr10_132964724
chr1	2504151	2504151	+	2.072E-08	1.3142E-07	0.236436	hyper	sig	chr1_2504151
chr5	2754780	2754780	+	2.072E-08	1.3143E-07	0.209724	hyper	sig	chr5_2754780
chr22	46023420	46023420	+	2.074E-08	1.3159E-07	-0.20948	hypo	sig	chr22_46023420
chr12	49955577	49955577	+	2.075E-08	1.3164E-07	0.224249	hyper	sig	chr12_49955577
chr5	1.41E+08	141078043	+	2.076E-08	1.317E-07	0.247094	hyper	sig	chr5_141078043
chr1	2.31E+08	231160911	+	2.076E-08	1.3171E-07	0.210228	hyper	sig	chr1_231160911
chr1	11538302	11538302	+	2.077E-08	1.3177E-07	-0.21144	hypo	sig	chr1_11538302
chr6	1.06E+08	105985569	+	2.079E-08	1.3185E-07	-0.21208	hypo	sig	chr6_105985569
chr10	99234418	99234418	+	2.08E-08	1.319E-07	0.264244	hyper	sig	chr10_99234418
chr5	1.54E+08	154480148	+	2.081E-08	1.3196E-07	0.212902	hyper	sig	chr5_154480148
chr1	2.28E+08	227541885	+	2.081E-08	1.3199E-07	0.253263	hyper	sig	chr1_227541885
chr19	38564867	38564867	+	2.081E-08	1.3201E-07	0.201627	hyper	sig	chr19_38564867
chr10	1.01E+08	101140447	+	2.082E-08	1.3202E-07	0.228932	hyper	sig	chr10_101140447
chr13	1.13E+08	112916756	+	2.084E-08	1.3217E-07	-0.20829	hypo	sig	chr13_112916756
chr6	1.01E+08	101402506	+	2.085E-08	1.3221E-07	0.236117	hyper	sig	chr6_101402506
chr21	37920487	37920487	+	2.086E-08	1.3229E-07	-0.21618	hypo	sig	chr21_37920487
chr19	8698425	8698425	+	2.088E-08	1.3239E-07	0.216767	hyper	sig	chr19_8698425
chr8	22690981	22690981	+	2.089E-08	1.3246E-07	0.246582	hyper	sig	chr8_22690981
chr11	1.18E+08	117872799	+	2.089E-08	1.3248E-07	0.234869	hyper	sig	chr11_117872799
chr5	1.41E+08	141183354	+	2.092E-08	1.3264E-07	0.200216	hyper	sig	chr5_141183354
chr1	1.6E+08	160415974	+	2.092E-08	1.3264E-07	-0.25473	hypo	sig	chr1_160415974
chr2	1.32E+08	131646869	+	2.094E-08	1.3274E-07	0.216035	hyper	sig	chr2_131646869
chr8	1.44E+08	144461504	+	2.094E-08	1.3276E-07	0.227377	hyper	sig	chr8_144461504
chr3	13934453	13934453	+	2.094E-08	1.3278E-07	-0.23326	hypo	sig	chr3_13934453
chr15	27808193	27808193	+	2.096E-08	1.3287E-07	-0.21129	hypo	sig	chr15_27808193
chr22	20432430	20432430	+	2.097E-08	1.3295E-07	-0.22378	hypo	sig	chr22_20432430
chr5	1.41E+08	141431407	+	2.098E-08	1.3298E-07	0.205608	hyper	sig	chr5_141431407
chr5	1.35E+08	135050471	+	2.098E-08	1.3302E-07	0.251781	hyper	sig	chr5_135050471
chr17	63432297	63432297	+	2.1E-08	1.3311E-07	-0.20851	hypo	sig	chr17_63432297

chr14	72961951	72961951	+	2.1E-08	1.3315E-07	-0.2078	hypo	sig	chr14_72961951
chr19	54164445	54164445	+	2.106E-08	1.3348E-07	0.213868	hyper	sig	chr19_54164445
chr1	32900102	32900102	+	2.107E-08	1.3353E-07	-0.24509	hypo	sig	chr1_32900102
chr1	42145242	42145242	+	2.107E-08	1.3355E-07	-0.20487	hypo	sig	chr1_42145242
chr5	1.41E+08	140808593	+	2.109E-08	1.337E-07	0.216725	hyper	sig	chr5_140808593
chr8	64587530	64587530	+	2.11E-08	1.3373E-07	0.225198	hyper	sig	chr8_64587530
chr16	4332268	4332268	+	2.116E-08	1.3408E-07	-0.23613	hypo	sig	chr16_4332268
chr3	50193511	50193511	+	2.116E-08	1.3409E-07	0.270888	hyper	sig	chr3_50193511
chr1	22779099	22779099	+	2.116E-08	1.3411E-07	0.20172	hyper	sig	chr1_22779099
chr12	1812035	1812035	+	2.116E-08	1.3411E-07	-0.26164	hypo	sig	chr12_1812035
chr3	62377390	62377390	+	2.117E-08	1.3414E-07	0.202378	hyper	sig	chr3_62377390
chr4	41873488	41873488	+	2.117E-08	1.3415E-07	0.29851	hyper	sig	chr4_41873488
chr3	1.2E+08	119810155	+	2.119E-08	1.3425E-07	0.226354	hyper	sig	chr3_119810155
chr11	67616138	67616138	+	2.119E-08	1.3429E-07	0.216842	hyper	sig	chr11_67616138
chr19	18220197	18220197	+	2.121E-08	1.3438E-07	-0.21049	hypo	sig	chr19_18220197
chr18	48408169	48408169	+	2.123E-08	1.345E-07	0.216867	hyper	sig	chr18_48408169
chr14	1.03E+08	102546019	+	2.126E-08	1.3469E-07	0.207004	hyper	sig	chr14_102546019
chr20	63480139	63480139	+	2.126E-08	1.3469E-07	-0.23083	hypo	sig	chr20_63480139
chr7	1238721	1238721	+	2.126E-08	1.3472E-07	0.262204	hyper	sig	chr7_1238721
chr12	4810482	4810482	+	2.128E-08	1.3483E-07	0.265564	hyper	sig	chr12_4810482
chr17	1080354	1080354	+	2.13E-08	1.3494E-07	-0.24101	hypo	sig	chr17_1080354
chr14	64196965	64196965	+	2.131E-08	1.35E-07	0.270593	hyper	sig	chr14_64196965
chr3	42686362	42686362	+	2.131E-08	1.3502E-07	0.201463	hyper	sig	chr3_42686362
chr22	11606268	11606268	+	2.133E-08	1.3513E-07	-0.22165	hypo	sig	chr22_11606268
chr4	1494091	1494091	+	2.139E-08	1.3546E-07	-0.22382	hypo	sig	chr4_1494091
chr12	1.15E+08	114667878	+	2.143E-08	1.3573E-07	0.228956	hyper	sig	chr12_114667878
chr8	1.44E+08	143739471	+	2.146E-08	1.359E-07	-0.23475	hypo	sig	chr8_143739471
chr10	75283788	75283788	+	2.151E-08	1.3622E-07	0.203767	hyper	sig	chr10_75283788
chr4	107300	107300	+	2.152E-08	1.3628E-07	0.239631	hyper	sig	chr4_107300
chr1	2415657	2415657	+	2.156E-08	1.3651E-07	-0.20645	hypo	sig	chr1_2415657
chr7	4148220	4148220	+	2.157E-08	1.3658E-07	-0.26627	hypo	sig	chr7_4148220
chr7	47540189	47540189	+	2.158E-08	1.3663E-07	-0.20821	hypo	sig	chr7_47540189
chr1	1.57E+08	156647138	+	2.161E-08	1.3681E-07	0.228173	hyper	sig	chr1_156647138
chr1	29135974	29135974	+	2.164E-08	1.3701E-07	-0.22326	hypo	sig	chr1_29135974
chr7	1.3E+08	129778238	+	2.167E-08	1.3715E-07	0.203209	hyper	sig	chr7_129778238
chr17	8467815	8467815	+	2.168E-08	1.3721E-07	0.230387	hyper	sig	chr17_8467815
chr5	1395115	1395115	+	2.174E-08	1.3759E-07	-0.21115	hypo	sig	chr5_1395115
chr13	1.11E+08	111326693	+	2.176E-08	1.3774E-07	-0.20453	hypo	sig	chr13_111326693
chr16	34163106	34163106	+	2.178E-08	1.3786E-07	0.215775	hyper	sig	chr16_34163106
chr13	77918259	77918259	+	2.181E-08	1.38E-07	0.238117	hyper	sig	chr13_77918259
chr20	62836296	62836296	+	2.185E-08	1.3824E-07	-0.23829	hypo	sig	chr20_62836296
chr15	40072560	40072560	+	2.185E-08	1.3829E-07	-0.21491	hypo	sig	chr15_40072560
chr19	40623943	40623943	+	2.188E-08	1.3845E-07	-0.20435	hypo	sig	chr19_40623943
chr1	2.12E+08	211514775	+	2.191E-08	1.3864E-07	-0.20813	hypo	sig	chr1_211514775
chr9	1047310	1047310	+	2.191E-08	1.3866E-07	0.223547	hyper	sig	chr9_1047310
chr1	1.52E+08	152108824	+	2.191E-08	1.3866E-07	0.215215	hyper	sig	chr1_152108824
chr4	92306147	92306147	+	2.192E-08	1.387E-07	0.210562	hyper	sig	chr4_92306147
chr20	40690752	40690752	+	2.192E-08	1.3871E-07	0.239317	hyper	sig	chr20_40690752
chr13	24719118	24719118	+	2.202E-08	1.3927E-07	-0.21149	hypo	sig	chr13_24719118
chr5	77636237	77636237	+	2.202E-08	1.3928E-07	0.22612	hyper	sig	chr5_77636237
chr7	1.2E+08	120272846	+	2.202E-08	1.3929E-07	0.217414	hyper	sig	chr7_120272846
chr19	18878076	18878076	+	2.205E-08	1.3949E-07	-0.25337	hypo	sig	chr19_18878076
chr11	70661734	70661734	+	2.207E-08	1.3956E-07	0.21688	hyper	sig	chr11_70661734
chr19	38812871	38812871	+	2.208E-08	1.3965E-07	-0.20968	hypo	sig	chr19_38812871
chr4	11368729	11368729	+	2.208E-08	1.3966E-07	0.267716	hyper	sig	chr4_11368729
chr18	77671646	77671646	+	2.209E-08	1.397E-07	0.209542	hyper	sig	chr18_77671646

chr9	974774	974774	+	2.209E-08	1.3971E-07	0.362363	hyper	sig	chr9_974774
chr20	61902828	61902828	+	2.21E-08	1.3979E-07	-0.22363	hypo	sig	chr20_61902828
chr16	89623928	89623928	+	2.212E-08	1.3989E-07	0.248879	hyper	sig	chr16_89623928
chr5	1.41E+08	140870800	+	2.216E-08	1.4012E-07	0.223736	hyper	sig	chr5_140870800
chr12	53492462	53492462	+	2.216E-08	1.4016E-07	0.232469	hyper	sig	chr12_53492462
chr11	31824856	31824856	+	2.216E-08	1.4016E-07	0.201597	hyper	sig	chr11_31824856
chr19	8702274	8702274	+	2.217E-08	1.4021E-07	-0.20482	hypo	sig	chr19_8702274
chr16	29316168	29316168	+	2.221E-08	1.4041E-07	-0.2113	hypo	sig	chr16_29316168
chr3	13873387	13873387	+	2.221E-08	1.4045E-07	0.244546	hyper	sig	chr3_13873387
chr18	47264470	47264470	+	2.223E-08	1.4053E-07	0.207057	hyper	sig	chr18_47264470
chr20	19975141	19975141	+	2.224E-08	1.4062E-07	0.205521	hyper	sig	chr20_19975141
chr15	41501454	41501454	+	2.225E-08	1.4069E-07	0.206685	hyper	sig	chr15_41501454
chr5	1201845	1201845	+	2.227E-08	1.408E-07	-0.2226	hypo	sig	chr5_1201845
chr11	75429758	75429758	+	2.229E-08	1.4092E-07	0.225043	hyper	sig	chr11_75429758
chr5	1.41E+08	140884055	+	2.231E-08	1.4103E-07	0.204704	hyper	sig	chr5_140884055
chr12	1865040	1865040	+	2.231E-08	1.4105E-07	0.233626	hyper	sig	chr12_1865040
chr16	58467652	58467652	+	2.232E-08	1.4109E-07	-0.23887	hypo	sig	chr16_58467652
chr17	334140	334140	+	2.233E-08	1.4114E-07	0.217212	hyper	sig	chr17_334140
chr2	2.38E+08	238241258	+	2.235E-08	1.4125E-07	-0.21917	hypo	sig	chr2_238241258
chr10	1.33E+08	132544769	+	2.236E-08	1.4131E-07	0.20084	hyper	sig	chr10_132544769
chr17	835629	835629	+	2.236E-08	1.4133E-07	0.227316	hyper	sig	chr17_835629
chr17	35741135	35741135	+	2.237E-08	1.4141E-07	0.208472	hyper	sig	chr17_35741135
chr13	94704802	94704802	+	2.241E-08	1.4162E-07	0.202012	hyper	sig	chr13_94704802
chr6	1.68E+08	168035673	+	2.243E-08	1.4174E-07	-0.2208	hypo	sig	chr6_168035673
chr9	1.37E+08	137031468	+	2.244E-08	1.4179E-07	-0.20363	hypo	sig	chr9_137031468
chr5	1.41E+08	140830304	+	2.244E-08	1.418E-07	0.239685	hyper	sig	chr5_140830304
chr16	66935974	66935974	+	2.244E-08	1.4182E-07	0.236572	hyper	sig	chr16_66935974
chr5	777278	777278	+	2.245E-08	1.4186E-07	0.234731	hyper	sig	chr5_777278
chr1	18718343	18718343	+	2.249E-08	1.421E-07	-0.21654	hypo	sig	chr1_18718343
chr2	1.09E+08	109411742	+	2.249E-08	1.4211E-07	-0.20195	hypo	sig	chr2_109411742
chr15	29149813	29149813	+	2.251E-08	1.422E-07	-0.20258	hypo	sig	chr15_29149813
chr19	10014317	10014317	+	2.251E-08	1.4221E-07	-0.20864	hypo	sig	chr19_10014317
chr13	57634285	57634285	+	2.251E-08	1.4223E-07	0.239623	hyper	sig	chr13_57634285
chr14	1.05E+08	104926807	+	2.252E-08	1.4228E-07	-0.26024	hypo	sig	chr14_104926807
chr12	43551991	43551991	+	2.253E-08	1.4235E-07	0.297461	hyper	sig	chr12_43551991
chr15	66254363	66254363	+	2.256E-08	1.4251E-07	0.221649	hyper	sig	chr15_66254363
chr2	1.76E+08	176124059	+	2.256E-08	1.4252E-07	-0.20517	hypo	sig	chr2_176124059
chr10	80540827	80540827	+	2.257E-08	1.4258E-07	-0.2667	hypo	sig	chr10_80540827
chr9	1.37E+08	137281718	+	2.259E-08	1.4272E-07	0.253621	hyper	sig	chr9_137281718
chr6	1624707	1624707	+	2.259E-08	1.4273E-07	0.267596	hyper	sig	chr6_1624707
chr18	47248609	47248609	+	2.262E-08	1.4286E-07	0.204661	hyper	sig	chr18_47248609
chr16	85303007	85303007	+	2.262E-08	1.429E-07	-0.21705	hypo	sig	chr16_85303007
chr4	993416	993416	+	2.263E-08	1.4292E-07	-0.22282	hypo	sig	chr4_993416
chr16	47038376	47038376	+	2.267E-08	1.432E-07	-0.22163	hypo	sig	chr16_47038376
chr11	1932431	1932431	+	2.268E-08	1.4322E-07	-0.23135	hypo	sig	chr11_1932431
chr4	7481838	7481838	+	2.268E-08	1.4323E-07	-0.20726	hypo	sig	chr4_7481838
chr12	53973158	53973158	+	2.27E-08	1.4335E-07	0.216892	hyper	sig	chr12_53973158
chr1	2.12E+08	211889578	+	2.27E-08	1.4337E-07	0.203694	hyper	sig	chr1_211889578
chr1	9039365	9039365	+	2.27E-08	1.4338E-07	0.215482	hyper	sig	chr1_9039365
chr3	27723020	27723020	+	2.272E-08	1.4346E-07	0.2006	hyper	sig	chr3_27723020
chr6	1.37E+08	137489573	+	2.274E-08	1.4358E-07	0.287037	hyper	sig	chr6_137489573
chr16	30997906	30997906	+	2.274E-08	1.4358E-07	-0.20834	hypo	sig	chr16_30997906
chr17	37066621	37066621	+	2.274E-08	1.4362E-07	0.211688	hyper	sig	chr17_37066621
chr16	3013746	3013746	+	2.28E-08	1.4393E-07	0.210564	hyper	sig	chr16_3013746
chr11	1918468	1918468	+	2.283E-08	1.4414E-07	-0.25251	hypo	sig	chr11_1918468
chr22	46375266	46375266	+	2.284E-08	1.442E-07	-0.25863	hypo	sig	chr22_46375266

chr7	74209301	74209301	+	2.284E-08	1.442E-07	-0.20486	hypo	sig	chr7_74209301
chr16	775222	775222	+	2.284E-08	1.4422E-07	-0.25026	hypo	sig	chr16_775222
chr5	1.41E+08	141215572	+	2.285E-08	1.4423E-07	0.226567	hyper	sig	chr5_141215572
chr7	12112034	12112034	+	2.286E-08	1.4432E-07	0.21905	hyper	sig	chr7_12112034
chr12	52258918	52258918	+	2.287E-08	1.4436E-07	0.246689	hyper	sig	chr12_52258918
chr7	1.59E+08	159065400	+	2.293E-08	1.4472E-07	-0.21678	hypo	sig	chr7_159065400
chr1	1.76E+08	175599395	+	2.293E-08	1.4474E-07	0.205519	hyper	sig	chr1_175599395
chr19	40624096	40624096	+	2.293E-08	1.4475E-07	-0.21273	hypo	sig	chr19_40624096
chr17	43941606	43941606	+	2.294E-08	1.4479E-07	-0.2367	hypo	sig	chr17_43941606
chr5	1.41E+08	141431463	+	2.294E-08	1.448E-07	0.238986	hyper	sig	chr5_141431463
chr17	46977961	46977961	+	2.297E-08	1.4494E-07	0.222451	hyper	sig	chr17_46977961
chr17	76700592	76700592	+	2.297E-08	1.4496E-07	0.248306	hyper	sig	chr17_76700592
chr19	49197108	49197108	+	2.299E-08	1.4506E-07	0.225667	hyper	sig	chr19_49197108
chr15	89360569	89360569	+	2.301E-08	1.4517E-07	0.220502	hyper	sig	chr15_89360569
chr9	1.37E+08	137138837	+	2.301E-08	1.4518E-07	0.294789	hyper	sig	chr9_137138837
chr14	36666654	36666654	+	2.303E-08	1.4529E-07	0.237838	hyper	sig	chr14_36666654
chr1	98044794	98044794	+	2.303E-08	1.4533E-07	0.236399	hyper	sig	chr1_98044794
chr22	24607433	24607433	+	2.304E-08	1.454E-07	-0.21927	hypo	sig	chr22_24607433
chr3	44554988	44554988	+	2.305E-08	1.4544E-07	0.222827	hyper	sig	chr3_44554988
chr13	20713923	20713923	+	2.305E-08	1.4546E-07	-0.22766	hypo	sig	chr13_20713923
chr17	80469109	80469109	+	2.306E-08	1.455E-07	-0.21345	hypo	sig	chr17_80469109
chr5	1.35E+08	135029094	+	2.307E-08	1.4557E-07	0.250957	hyper	sig	chr5_135029094
chr22	38088840	38088840	+	2.311E-08	1.4579E-07	0.254167	hyper	sig	chr22_38088840
chr10	1.33E+08	132833685	+	2.313E-08	1.4593E-07	-0.21065	hypo	sig	chr10_132833685
chr19	3180106	3180106	+	2.314E-08	1.4598E-07	-0.24773	hypo	sig	chr19_3180106
chr1	10530617	10530617	+	2.318E-08	1.4623E-07	0.275923	hyper	sig	chr1_10530617
chr14	30875878	30875878	+	2.318E-08	1.4623E-07	0.237479	hyper	sig	chr14_30875878
chr6	73299192	73299192	+	2.321E-08	1.4639E-07	0.202085	hyper	sig	chr6_73299192
chr7	57653113	57653113	+	2.323E-08	1.4653E-07	-0.21295	hypo	sig	chr7_57653113
chr1	20291901	20291901	+	2.327E-08	1.4676E-07	0.202623	hyper	sig	chr1_20291901
chr4	1.74E+08	173531953	+	2.33E-08	1.4692E-07	0.224982	hyper	sig	chr4_173531953
chr2	42492746	42492746	+	2.332E-08	1.4704E-07	0.313412	hyper	sig	chr2_42492746
chr16	1066010	1066010	+	2.334E-08	1.472E-07	0.23005	hyper	sig	chr16_1066010
chr5	77973539	77973539	+	2.347E-08	1.4798E-07	0.200162	hyper	sig	chr5_77973539
chr12	49549359	49549359	+	2.351E-08	1.4819E-07	0.202806	hyper	sig	chr12_49549359
chr17	62666811	62666811	+	2.352E-08	1.4825E-07	-0.21674	hypo	sig	chr17_62666811
chr19	1482648	1482648	+	2.352E-08	1.4827E-07	-0.23442	hypo	sig	chr19_1482648
chr20	22576901	22576901	+	2.358E-08	1.4863E-07	0.234758	hyper	sig	chr20_22576901
chr19	10353203	10353203	+	2.359E-08	1.4868E-07	0.226098	hyper	sig	chr19_10353203
chr1	3227967	3227967	+	2.359E-08	1.4869E-07	-0.22439	hypo	sig	chr1_3227967
chr5	1.59E+08	159104101	+	2.36E-08	1.4874E-07	0.217396	hyper	sig	chr5_159104101
chr8	11705446	11705446	+	2.361E-08	1.4879E-07	0.267226	hyper	sig	chr8_11705446
chr1	75124772	75124772	+	2.361E-08	1.4879E-07	0.2308	hyper	sig	chr1_75124772
chr12	1.04E+08	104304178	+	2.371E-08	1.4938E-07	0.218598	hyper	sig	chr12_104304178
chr15	51093683	51093683	+	2.372E-08	1.4945E-07	0.210541	hyper	sig	chr15_51093683
chr18	12068416	12068416	+	2.373E-08	1.4951E-07	-0.25216	hypo	sig	chr18_12068416
chr1	2.21E+08	220892092	+	2.375E-08	1.4962E-07	-0.20166	hypo	sig	chr1_220892092
chr16	3180755	3180755	+	2.377E-08	1.4974E-07	0.211324	hyper	sig	chr16_3180755
chr16	3414107	3414107	+	2.378E-08	1.4977E-07	0.23667	hyper	sig	chr16_3414107
chr5	1.41E+08	140829958	+	2.379E-08	1.4985E-07	0.210435	hyper	sig	chr5_140829958
chr7	1.58E+08	157795753	+	2.381E-08	1.4998E-07	-0.24628	hypo	sig	chr7_157795753
chr19	53520517	53520517	+	2.381E-08	1.5001E-07	0.228321	hyper	sig	chr19_53520517
chr12	1.32E+08	132215365	+	2.386E-08	1.5029E-07	-0.25159	hypo	sig	chr12_132215365
chr14	37622754	37622754	+	2.389E-08	1.5046E-07	0.234392	hyper	sig	chr14_37622754
chr15	74315203	74315203	+	2.39E-08	1.5051E-07	-0.20879	hypo	sig	chr15_74315203
chr9	1.1E+08	109531427	+	2.392E-08	1.5065E-07	-0.22378	hypo	sig	chr9_109531427

chr12	57007126	57007126	+	2.395E-08	1.5083E-07	-0.20688	hypo	sig	chr12_57007126
chr7	1.58E+08	157854598	+	2.396E-08	1.5089E-07	-0.24056	hypo	sig	chr7_157854598
chr5	1.41E+08	141345755	+	2.396E-08	1.5089E-07	0.23295	hyper	sig	chr5_141345755
chr4	52076910	52076910	+	2.4E-08	1.5112E-07	0.220235	hyper	sig	chr4_52076910
chr3	1.27E+08	126542453	+	2.406E-08	1.5145E-07	0.245349	hyper	sig	chr3_126542453
chr2	1.02E+08	102147081	+	2.406E-08	1.5147E-07	-0.24977	hypo	sig	chr2_102147081
chr16	90097333	90097333	+	2.407E-08	1.5151E-07	-0.20038	hypo	sig	chr16_90097333
chr1	1.43E+08	143424933	+	2.413E-08	1.5187E-07	0.223997	hyper	sig	chr1_143424933
chr9	1.32E+08	131840047	+	2.414E-08	1.5195E-07	-0.2302	hypo	sig	chr9_131840047
chr6	44227067	44227067	+	2.415E-08	1.5202E-07	0.239358	hyper	sig	chr6_44227067
chr13	30112745	30112745	+	2.416E-08	1.5208E-07	-0.21179	hypo	sig	chr13_30112745
chr11	281629	281629	+	2.42E-08	1.5229E-07	0.23514	hyper	sig	chr11_281629
chr11	65048312	65048312	+	2.42E-08	1.5229E-07	0.213485	hyper	sig	chr11_65048312
chr6	1.68E+08	167644922	+	2.421E-08	1.5235E-07	-0.24213	hypo	sig	chr6_167644922
chr21	45270083	45270083	+	2.421E-08	1.5238E-07	-0.20435	hypo	sig	chr21_45270083
chr16	89602043	89602043	+	2.422E-08	1.5241E-07	0.204545	hyper	sig	chr16_89602043
chr6	1.39E+08	138682874	+	2.424E-08	1.5253E-07	-0.22558	hypo	sig	chr6_138682874
chr6	34514699	34514699	+	2.424E-08	1.5255E-07	0.229026	hyper	sig	chr6_34514699
chr7	27145289	27145289	+	2.425E-08	1.5259E-07	0.242313	hyper	sig	chr7_27145289
chr4	55157743	55157743	+	2.425E-08	1.5259E-07	0.202439	hyper	sig	chr4_55157743
chr12	42287899	42287899	+	2.425E-08	1.5262E-07	-0.20077	hypo	sig	chr12_42287899
chr7	23247625	23247625	+	2.43E-08	1.5292E-07	0.234635	hyper	sig	chr7_23247625
chr4	1.55E+08	155209046	+	2.435E-08	1.5321E-07	0.215054	hyper	sig	chr4_155209046
chr12	1.32E+08	131775073	+	2.436E-08	1.5324E-07	0.204729	hyper	sig	chr12_131775073
chr13	1.1E+08	110325697	+	2.439E-08	1.5345E-07	-0.21817	hypo	sig	chr13_110325697
chr17	42671413	42671413	+	2.44E-08	1.5348E-07	-0.24273	hypo	sig	chr17_42671413
chr2	74516640	74516640	+	2.44E-08	1.5352E-07	0.205541	hyper	sig	chr2_74516640
chr5	10249038	10249038	+	2.441E-08	1.5358E-07	-0.22533	hypo	sig	chr5_10249038
chr19	1009223	1009223	+	2.445E-08	1.5377E-07	0.221003	hyper	sig	chr19_1009223
chr10	1.31E+08	130747978	+	2.447E-08	1.5391E-07	-0.23342	hypo	sig	chr10_130747978
chr4	1.47E+08	146632949	+	2.448E-08	1.5399E-07	0.221803	hyper	sig	chr4_146632949
chr3	14564292	14564292	+	2.449E-08	1.5402E-07	-0.24063	hypo	sig	chr3_14564292
chr17	47847585	47847585	+	2.449E-08	1.5402E-07	0.205095	hyper	sig	chr17_47847585
chr19	38557466	38557466	+	2.45E-08	1.5411E-07	-0.23573	hypo	sig	chr19_38557466
chr17	1730501	1730501	+	2.451E-08	1.5414E-07	0.203671	hyper	sig	chr17_1730501
chr16	68529198	68529198	+	2.451E-08	1.5417E-07	-0.20354	hypo	sig	chr16_68529198
chr19	47613556	47613556	+	2.455E-08	1.5442E-07	0.238966	hyper	sig	chr19_47613556
chr11	18412259	18412259	+	2.456E-08	1.5446E-07	0.235926	hyper	sig	chr11_18412259
chr6	43285637	43285637	+	2.457E-08	1.5449E-07	0.315007	hyper	sig	chr6_43285637
chr20	57267070	57267070	+	2.458E-08	1.5456E-07	0.237213	hyper	sig	chr20_57267070
chr6	1.17E+08	116565240	+	2.458E-08	1.5457E-07	0.222837	hyper	sig	chr6_116565240
chr16	2719483	2719483	+	2.46E-08	1.5468E-07	-0.20179	hypo	sig	chr16_2719483
chr7	1.51E+08	151013436	+	2.465E-08	1.5497E-07	0.268717	hyper	sig	chr7_151013436
chr16	85445024	85445024	+	2.466E-08	1.5504E-07	-0.20504	hypo	sig	chr16_85445024
chr10	1403167	1403167	+	2.472E-08	1.5544E-07	-0.23085	hypo	sig	chr10_1403167
chr12	49334460	49334460	+	2.473E-08	1.5546E-07	0.249752	hyper	sig	chr12_49334460
chr10	42836504	42836504	+	2.477E-08	1.5569E-07	0.255443	hyper	sig	chr10_42836504
chr16	68510198	68510198	+	2.477E-08	1.557E-07	0.213758	hyper	sig	chr16_68510198
chr12	1.25E+08	124501262	+	2.477E-08	1.5571E-07	0.231863	hyper	sig	chr12_124501262
chr16	34163109	34163109	+	2.479E-08	1.5582E-07	0.210712	hyper	sig	chr16_34163109
chr17	4571562	4571562	+	2.48E-08	1.5589E-07	-0.20873	hypo	sig	chr17_4571562
chr7	1.36E+08	135661957	+	2.482E-08	1.5601E-07	-0.28815	hypo	sig	chr7_135661957
chr12	54374104	54374104	+	2.483E-08	1.5609E-07	-0.24611	hypo	sig	chr12_54374104
chr16	87278365	87278365	+	2.485E-08	1.562E-07	-0.20771	hypo	sig	chr16_87278365
chr16	84933875	84933875	+	2.487E-08	1.563E-07	-0.2153	hypo	sig	chr16_84933875
chr14	1E+08	100165397	+	2.488E-08	1.5633E-07	0.240984	hyper	sig	chr14_100165397

chr2	2.38E+08	238241307	+	2.491E-08	1.5651E-07	-0.21201	hypo	sig	chr2_238241307
chr14	1.06E+08	105856113	+	2.491E-08	1.5654E-07	-0.21293	hypo	sig	chr14_105856113
chr16	66845873	66845873	+	2.492E-08	1.5662E-07	-0.21389	hypo	sig	chr16_66845873
chr8	1.41E+08	140609462	+	2.493E-08	1.5667E-07	0.223701	hyper	sig	chr8_140609462
chr7	2518081	2518081	+	2.497E-08	1.5688E-07	-0.20944	hypo	sig	chr7_2518081
chr8	22218537	22218537	+	2.498E-08	1.5695E-07	-0.20804	hypo	sig	chr8_22218537
chr3	1.84E+08	184338838	+	2.5E-08	1.5706E-07	0.211887	hyper	sig	chr3_184338838
chr14	75470006	75470006	+	2.5E-08	1.5706E-07	0.207085	hyper	sig	chr14_75470006
chr3	1.27E+08	127417833	+	2.501E-08	1.5713E-07	-0.20078	hypo	sig	chr3_127417833
chr5	1608438	1608438	+	2.501E-08	1.5715E-07	-0.21476	hypo	sig	chr5_1608438
chr5	5572397	5572397	+	2.502E-08	1.5718E-07	0.230344	hyper	sig	chr5_5572397
chr12	1.32E+08	132201010	+	2.505E-08	1.5739E-07	-0.20602	hypo	sig	chr12_132201010
chr15	1.01E+08	100864133	+	2.506E-08	1.5744E-07	0.212585	hyper	sig	chr15_100864133
chr2	1.21E+08	120654444	+	2.506E-08	1.5745E-07	0.28576	hyper	sig	chr2_120654444
chr14	28785844	28785844	+	2.507E-08	1.5746E-07	0.228151	hyper	sig	chr14_28785844
chr17	77286080	77286080	+	2.507E-08	1.5747E-07	-0.20685	hypo	sig	chr17_77286080
chr11	18412322	18412322	+	2.508E-08	1.5757E-07	0.221402	hyper	sig	chr11_18412322
chr15	89655760	89655760	+	2.514E-08	1.5788E-07	0.282178	hyper	sig	chr15_89655760
chr17	82235895	82235895	+	2.519E-08	1.5823E-07	-0.20407	hypo	sig	chr17_82235895
chr2	2.4E+08	240324522	+	2.52E-08	1.5826E-07	-0.26011	hypo	sig	chr2_240324522
chr6	31170781	31170781	+	2.521E-08	1.5832E-07	0.203143	hyper	sig	chr6_31170781
chr16	88909691	88909691	+	2.522E-08	1.5838E-07	-0.25738	hypo	sig	chr16_88909691
chr19	23471032	23471032	+	2.523E-08	1.5842E-07	0.236552	hyper	sig	chr19_23471032
chr17	79747310	79747310	+	2.525E-08	1.5858E-07	0.255128	hyper	sig	chr17_79747310
chr11	64204348	64204348	+	2.526E-08	1.5861E-07	0.279147	hyper	sig	chr11_64204348
chr21	43758450	43758450	+	2.526E-08	1.5864E-07	0.213762	hyper	sig	chr21_43758450
chr12	53975712	53975712	+	2.526E-08	1.5865E-07	0.203608	hyper	sig	chr12_53975712
chr7	1.5E+08	149788611	+	2.527E-08	1.5871E-07	0.201796	hyper	sig	chr7_149788611
chr10	1.33E+08	133038178	+	2.529E-08	1.5879E-07	0.210824	hyper	sig	chr10_133038178
chr2	2.42E+08	241771544	+	2.53E-08	1.5886E-07	0.215793	hyper	sig	chr2_241771544
chr11	1.2E+08	119639586	+	2.531E-08	1.5891E-07	-0.21201	hypo	sig	chr11_119639586
chr7	1947102	1947102	+	2.531E-08	1.5892E-07	0.271896	hyper	sig	chr7_1947102
chr13	1.12E+08	111857381	+	2.531E-08	1.5892E-07	-0.21772	hypo	sig	chr13_111857381
chr15	40072539	40072539	+	2.534E-08	1.5908E-07	-0.21908	hypo	sig	chr15_40072539
chr8	58146751	58146751	+	2.536E-08	1.5923E-07	-0.20201	hypo	sig	chr8_58146751
chr3	68931330	68931330	+	2.537E-08	1.5929E-07	0.202554	hyper	sig	chr3_68931330
chr1	75130252	75130252	+	2.537E-08	1.593E-07	0.207332	hyper	sig	chr1_75130252
chr13	1.14E+08	114026827	+	2.538E-08	1.5932E-07	-0.22799	hypo	sig	chr13_114026827
chr15	70095032	70095032	+	2.54E-08	1.5946E-07	0.206457	hyper	sig	chr15_70095032
chr3	49662986	49662986	+	2.541E-08	1.5953E-07	-0.22208	hypo	sig	chr3_49662986
chr2	80302553	80302553	+	2.543E-08	1.5966E-07	0.222127	hyper	sig	chr2_80302553
chr1	26411186	26411186	+	2.544E-08	1.5968E-07	0.2027	hyper	sig	chr1_26411186
chr2	1.76E+08	176083113	+	2.544E-08	1.597E-07	0.253637	hyper	sig	chr2_176083113
chr13	25301128	25301128	+	2.546E-08	1.5982E-07	0.229203	hyper	sig	chr13_25301128
chr2	1.19E+08	118853525	+	2.546E-08	1.5983E-07	0.20483	hyper	sig	chr2_118853525
chr9	1.37E+08	137004592	+	2.554E-08	1.6027E-07	-0.21922	hypo	sig	chr9_137004592
chr17	47848112	47848112	+	2.555E-08	1.6035E-07	0.249157	hyper	sig	chr17_47848112
chr7	1.29E+08	128790654	+	2.556E-08	1.6042E-07	0.234733	hyper	sig	chr7_128790654
chr12	1.15E+08	114686925	+	2.559E-08	1.6058E-07	0.218987	hyper	sig	chr12_114686925
chr8	1.45E+08	144583045	+	2.559E-08	1.606E-07	-0.22862	hypo	sig	chr8_144583045
chr2	38960684	38960684	+	2.56E-08	1.6064E-07	0.26359	hyper	sig	chr2_38960684
chr4	1058772	1058772	+	2.561E-08	1.607E-07	-0.20897	hypo	sig	chr4_1058772
chr14	1.05E+08	104926845	+	2.561E-08	1.6074E-07	-0.23407	hypo	sig	chr14_104926845
chr10	1.3E+08	130125692	+	2.563E-08	1.6083E-07	-0.24278	hypo	sig	chr10_130125692
chr16	1121594	1121594	+	2.563E-08	1.6085E-07	-0.2291	hypo	sig	chr16_1121594
chr7	48848025	48848025	+	2.564E-08	1.6087E-07	0.216418	hyper	sig	chr7_48848025

chr8	1.45E+08	144530471	+	2.564E-08	1.609E-07	0.20421	hyper	sig	chr8_144530471
chr15	96948241	96948241	+	2.567E-08	1.6104E-07	0.223629	hyper	sig	chr15_96948241
chr13	50133509	50133509	+	2.567E-08	1.6108E-07	0.264774	hyper	sig	chr13_50133509
chr20	44400750	44400750	+	2.572E-08	1.6134E-07	-0.2837	hypo	sig	chr20_44400750
chr14	24072220	24072220	+	2.572E-08	1.6136E-07	0.202366	hyper	sig	chr14_24072220
chr17	19748417	19748417	+	2.572E-08	1.6137E-07	-0.20212	hypo	sig	chr17_19748417
chr7	76166403	76166403	+	2.573E-08	1.6137E-07	-0.2539	hypo	sig	chr7_76166403
chr9	92807258	92807258	+	2.574E-08	1.6143E-07	0.235294	hyper	sig	chr9_92807258
chr22	19168711	19168711	+	2.574E-08	1.6146E-07	-0.26434	hypo	sig	chr22_19168711
chr4	1.09E+08	109302001	+	2.576E-08	1.616E-07	0.208589	hyper	sig	chr4_109302001
chr3	1.14E+08	113623547	+	2.58E-08	1.6184E-07	0.218645	hyper	sig	chr3_113623547
chr22	29310822	29310822	+	2.581E-08	1.6188E-07	0.235051	hyper	sig	chr22_29310822
chr11	61763183	61763183	+	2.583E-08	1.6199E-07	0.203696	hyper	sig	chr11_61763183
chr16	4680339	4680339	+	2.583E-08	1.6199E-07	-0.26165	hypo	sig	chr16_4680339
chr2	2.2E+08	219638425	+	2.587E-08	1.6225E-07	-0.20034	hypo	sig	chr2_219638425
chr5	1.41E+08	141210541	+	2.593E-08	1.6259E-07	0.276937	hyper	sig	chr5_141210541
chr6	29162258	29162258	+	2.593E-08	1.6263E-07	-0.24418	hypo	sig	chr6_29162258
chr19	43465929	43465929	+	2.597E-08	1.6285E-07	-0.21792	hypo	sig	chr19_43465929
chr19	55376770	55376770	+	2.598E-08	1.629E-07	-0.20771	hypo	sig	chr19_55376770
chr2	2.19E+08	219331973	+	2.601E-08	1.6306E-07	0.251761	hyper	sig	chr2_219331973
chr3	52518860	52518860	+	2.601E-08	1.631E-07	0.2082	hyper	sig	chr3_52518860
chr9	1.34E+08	133950926	+	2.602E-08	1.6316E-07	0.207402	hyper	sig	chr9_133950926
chr1	1.56E+08	156161448	+	2.603E-08	1.632E-07	0.210438	hyper	sig	chr1_156161448
chr7	1.22E+08	122307426	+	2.604E-08	1.6325E-07	0.216733	hyper	sig	chr7_122307426
chr7	1.59E+08	159007782	+	2.604E-08	1.6325E-07	-0.23467	hypo	sig	chr7_159007782
chr20	44651217	44651217	+	2.606E-08	1.6337E-07	-0.22515	hypo	sig	chr20_44651217
chr15	76342119	76342119	+	2.609E-08	1.6356E-07	-0.23435	hypo	sig	chr15_76342119
chr8	1163811	1163811	+	2.614E-08	1.6385E-07	0.203243	hyper	sig	chr8_1163811
chr7	1.59E+08	158549569	+	2.614E-08	1.6386E-07	0.21827	hyper	sig	chr7_158549569
chr2	25277256	25277256	+	2.617E-08	1.6405E-07	0.236752	hyper	sig	chr2_25277256
chr3	1.92E+08	191952780	+	2.618E-08	1.6407E-07	-0.21453	hypo	sig	chr3_191952780
chr13	44231919	44231919	+	2.618E-08	1.6408E-07	-0.21212	hypo	sig	chr13_44231919
chr22	44677227	44677227	+	2.62E-08	1.642E-07	-0.20328	hypo	sig	chr22_44677227
chr17	74466164	74466164	+	2.62E-08	1.642E-07	-0.2296	hypo	sig	chr17_74466164
chr22	23434051	23434051	+	2.621E-08	1.6427E-07	0.23573	hyper	sig	chr22_23434051
chr4	8649342	8649342	+	2.621E-08	1.6427E-07	0.202913	hyper	sig	chr4_8649342
chr11	507878	507878	+	2.623E-08	1.6441E-07	0.28811	hyper	sig	chr11_507878
chr7	44235957	44235957	+	2.625E-08	1.6454E-07	-0.20156	hypo	sig	chr7_44235957
chr15	79562563	79562563	+	2.626E-08	1.646E-07	0.211811	hyper	sig	chr15_79562563
chr8	37493551	37493551	+	2.631E-08	1.6485E-07	0.200839	hyper	sig	chr8_37493551
chr3	50533209	50533209	+	2.631E-08	1.6486E-07	-0.22426	hypo	sig	chr3_50533209
chr2	11656658	11656658	+	2.631E-08	1.6487E-07	-0.22702	hypo	sig	chr2_11656658
chr17	81403857	81403857	+	2.633E-08	1.6498E-07	0.22627	hyper	sig	chr17_81403857
chr5	10248994	10248994	+	2.633E-08	1.6501E-07	-0.23652	hypo	sig	chr5_10248994
chr13	35472475	35472475	+	2.634E-08	1.6507E-07	-0.20334	hypo	sig	chr13_35472475
chr7	6655144	6655144	+	2.641E-08	1.6547E-07	-0.22307	hypo	sig	chr7_6655144
chr12	1.04E+08	104304201	+	2.642E-08	1.6555E-07	0.205902	hyper	sig	chr12_104304201
chr16	84818916	84818916	+	2.646E-08	1.6575E-07	-0.22345	hypo	sig	chr16_84818916
chr5	1.41E+08	140803045	+	2.646E-08	1.6576E-07	0.201947	hyper	sig	chr5_140803045
chr10	80357540	80357540	+	2.647E-08	1.6581E-07	0.207714	hyper	sig	chr10_80357540
chr22	41288531	41288531	+	2.648E-08	1.6589E-07	-0.20759	hypo	sig	chr22_41288531
chr12	1865035	1865035	+	2.651E-08	1.6604E-07	0.21694	hyper	sig	chr12_1865035
chr20	46058367	46058367	+	2.653E-08	1.6616E-07	0.280091	hyper	sig	chr20_46058367
chr19	48745938	48745938	+	2.653E-08	1.6617E-07	0.206744	hyper	sig	chr19_48745938
chr12	6887694	6887694	+	2.656E-08	1.6636E-07	-0.2287	hypo	sig	chr12_6887694
chr19	55287037	55287037	+	2.656E-08	1.6638E-07	-0.20629	hypo	sig	chr19_55287037

chr3	1.38E+08	138114894	+	2.657E-08	1.6641E-07	0.238759	hyper	sig	chr3_138114894
chr5	1.59E+08	159100862	+	2.659E-08	1.6652E-07	0.269241	hyper	sig	chr5_159100862
chr16	361430	361430	+	2.659E-08	1.6653E-07	-0.20946	hypo	sig	chr16_361430
chr7	1238694	1238694	+	2.66E-08	1.6663E-07	0.283909	hyper	sig	chr7_1238694
chr10	1672308	1672308	+	2.663E-08	1.6679E-07	-0.20931	hypo	sig	chr10_1672308
chr1	1.96E+08	195721841	+	2.665E-08	1.669E-07	-0.27621	hypo	sig	chr1_195721841
chr13	78587026	78587026	+	2.665E-08	1.6691E-07	0.228977	hyper	sig	chr13_78587026
chr17	6996636	6996636	+	2.668E-08	1.6706E-07	0.221178	hyper	sig	chr17_6996636
chr2	2.39E+08	239493908	+	2.672E-08	1.6732E-07	-0.20807	hypo	sig	chr2_239493908
chr10	1739920	1739920	+	2.673E-08	1.6736E-07	-0.20541	hypo	sig	chr10_1739920
chr9	1.37E+08	137446377	+	2.673E-08	1.6739E-07	-0.2317	hypo	sig	chr9_137446377
chr20	63458948	63458948	+	2.673E-08	1.6741E-07	-0.22699	hypo	sig	chr20_63458948
chr12	53218742	53218742	+	2.674E-08	1.6742E-07	0.204879	hyper	sig	chr12_53218742
chr3	13570335	13570335	+	2.677E-08	1.6764E-07	-0.22772	hypo	sig	chr3_13570335
chr2	69387990	69387990	+	2.678E-08	1.6768E-07	-0.2039	hypo	sig	chr2_69387990
chr19	38213920	38213920	+	2.684E-08	1.6801E-07	-0.22605	hypo	sig	chr19_38213920
chr14	1.04E+08	103889893	+	2.684E-08	1.6802E-07	-0.21142	hypo	sig	chr14_103889893
chr19	407230	407230	+	2.688E-08	1.6827E-07	-0.21808	hypo	sig	chr19_407230
chr6	1.32E+08	131948942	+	2.689E-08	1.6836E-07	0.204665	hyper	sig	chr6_131948942
chr1	75127265	75127265	+	2.692E-08	1.6853E-07	0.204876	hyper	sig	chr1_75127265
chr17	82000462	82000462	+	2.695E-08	1.6872E-07	-0.21565	hypo	sig	chr17_82000462
chr9	37787555	37787555	+	2.696E-08	1.6875E-07	0.251992	hyper	sig	chr9_37787555
chr22	42079084	42079084	+	2.697E-08	1.6879E-07	0.224966	hyper	sig	chr22_42079084
chr13	1.02E+08	101706843	+	2.699E-08	1.6892E-07	-0.23896	hypo	sig	chr13_101706843
chr16	89916124	89916124	+	2.701E-08	1.6906E-07	-0.20028	hypo	sig	chr16_89916124
chr12	1.3E+08	130474599	+	2.704E-08	1.6925E-07	-0.23877	hypo	sig	chr12_130474599
chr17	17152283	17152283	+	2.705E-08	1.6932E-07	0.231987	hyper	sig	chr17_17152283
chr20	45316890	45316890	+	2.707E-08	1.6939E-07	0.330331	hyper	sig	chr20_45316890
chr15	52784671	52784671	+	2.709E-08	1.6955E-07	0.213617	hyper	sig	chr15_52784671
chr5	1.73E+08	173245336	+	2.71E-08	1.6956E-07	0.232935	hyper	sig	chr5_173245336
chr17	17392066	17392066	+	2.71E-08	1.6959E-07	-0.23313	hypo	sig	chr17_17392066
chr11	2121697	2121697	+	2.712E-08	1.6972E-07	-0.23772	hypo	sig	chr11_2121697
chr5	602071	602071	+	2.714E-08	1.698E-07	-0.20639	hypo	sig	chr5_602071
chr12	1.15E+08	114700789	+	2.716E-08	1.6992E-07	0.211555	hyper	sig	chr12_114700789
chr2	63053545	63053545	+	2.719E-08	1.7015E-07	0.23367	hyper	sig	chr2_63053545
chr5	1.14E+08	114058939	+	2.722E-08	1.7031E-07	-0.21987	hypo	sig	chr5_114058939
chr2	1.29E+08	128735143	+	2.724E-08	1.7039E-07	-0.25731	hypo	sig	chr2_128735143
chr9	1.37E+08	136748858	+	2.727E-08	1.7061E-07	-0.23123	hypo	sig	chr9_136748858
chr12	1.31E+08	131044874	+	2.733E-08	1.7094E-07	-0.23016	hypo	sig	chr12_131044874
chr2	71276054	71276054	+	2.733E-08	1.7097E-07	-0.23851	hypo	sig	chr2_71276054
chr17	76688351	76688351	+	2.734E-08	1.7098E-07	0.219139	hyper	sig	chr17_76688351
chr6	42961177	42961177	+	2.734E-08	1.7103E-07	-0.23322	hypo	sig	chr6_42961177
chr1	43069341	43069341	+	2.735E-08	1.7108E-07	0.214272	hyper	sig	chr1_43069341
chr9	1.38E+08	138122549	+	2.738E-08	1.7122E-07	-0.21034	hypo	sig	chr9_138122549
chr1	54403334	54403334	+	2.738E-08	1.7126E-07	0.201151	hyper	sig	chr1_54403334
chr13	26012276	26012276	+	2.739E-08	1.7129E-07	0.22142	hyper	sig	chr13_26012276
chr19	55443919	55443919	+	2.741E-08	1.7143E-07	0.22957	hyper	sig	chr19_55443919
chr5	1.41E+08	141431444	+	2.743E-08	1.7152E-07	0.228322	hyper	sig	chr5_141431444
chr3	1.2E+08	119703438	+	2.746E-08	1.7169E-07	0.20094	hyper	sig	chr3_119703438
chr2	2.2E+08	219572647	+	2.746E-08	1.7171E-07	-0.20161	hypo	sig	chr2_219572647
chr17	81158059	81158059	+	2.746E-08	1.7172E-07	-0.22549	hypo	sig	chr17_81158059
chr17	75588608	75588608	+	2.747E-08	1.7178E-07	0.227545	hyper	sig	chr17_75588608
chr22	20204798	20204798	+	2.749E-08	1.7188E-07	0.212544	hyper	sig	chr22_20204798
chr20	4822903	4822903	+	2.749E-08	1.7191E-07	0.217274	hyper	sig	chr20_4822903
chr10	1.32E+08	132248081	+	2.751E-08	1.7202E-07	-0.20132	hypo	sig	chr10_132248081
chr19	16110926	16110926	+	2.753E-08	1.7209E-07	0.211678	hyper	sig	chr19_16110926

chr2	3647658	3647658	+	2.753E-08	1.7211E-07	-0.30672	hypo	sig	chr2_3647658
chr3	13282221	13282221	+	2.755E-08	1.7225E-07	0.262426	hyper	sig	chr3_13282221
chr3	46576918	46576918	+	2.759E-08	1.7247E-07	0.239664	hyper	sig	chr3_46576918
chr20	56359860	56359860	+	2.765E-08	1.7282E-07	0.232036	hyper	sig	chr20_56359860
chr17	45241393	45241393	+	2.765E-08	1.7286E-07	0.235332	hyper	sig	chr17_45241393
chr9	1.34E+08	133979505	+	2.773E-08	1.733E-07	0.253295	hyper	sig	chr9_133979505
chr16	50681434	50681434	+	2.775E-08	1.7345E-07	-0.20702	hypo	sig	chr16_50681434
chr9	1.33E+08	132806543	+	2.775E-08	1.7346E-07	-0.21272	hypo	sig	chr9_132806543
chr18	47262506	47262506	+	2.776E-08	1.735E-07	0.218218	hyper	sig	chr18_47262506
chr7	63067937	63067937	+	2.777E-08	1.7357E-07	0.211169	hyper	sig	chr7_63067937
chr17	32111052	32111052	+	2.778E-08	1.736E-07	0.205156	hyper	sig	chr17_32111052
chr19	50640096	50640096	+	2.779E-08	1.737E-07	0.223216	hyper	sig	chr19_50640096
chr12	70921171	70921171	+	2.779E-08	1.737E-07	0.217704	hyper	sig	chr12_70921171
chr22	24607755	24607755	+	2.78E-08	1.7375E-07	-0.2039	hypo	sig	chr22_24607755
chr11	1.11E+08	111284319	+	2.783E-08	1.739E-07	-0.22326	hypo	sig	chr11_111284319
chr2	5981303	5981303	+	2.783E-08	1.7391E-07	0.230216	hyper	sig	chr2_5981303
chr1	46485617	46485617	+	2.784E-08	1.7395E-07	0.220023	hyper	sig	chr1_46485617
chr9	1.34E+08	133562243	+	2.786E-08	1.7411E-07	-0.25625	hypo	sig	chr9_133562243
chr3	1.47E+08	147413308	+	2.788E-08	1.7423E-07	0.210648	hyper	sig	chr3_147413308
chr12	1.1E+08	109606743	+	2.788E-08	1.7423E-07	0.229104	hyper	sig	chr12_109606743
chr16	11249367	11249367	+	2.79E-08	1.7435E-07	-0.22492	hypo	sig	chr16_11249367
chr21	31556081	31556081	+	2.795E-08	1.7465E-07	-0.22275	hypo	sig	chr21_31556081
chr14	1.07E+08	106802817	+	2.797E-08	1.7471E-07	-0.20627	hypo	sig	chr14_106802817
chr17	48620360	48620360	+	2.799E-08	1.7488E-07	-0.20207	hypo	sig	chr17_48620360
chr10	1.03E+08	103455510	+	2.802E-08	1.7501E-07	-0.20494	hypo	sig	chr10_103455510
chr19	53884181	53884181	+	2.802E-08	1.7505E-07	0.237607	hyper	sig	chr19_53884181
chr6	1.1E+08	110399874	+	2.803E-08	1.7507E-07	0.277804	hyper	sig	chr6_110399874
chr9	1.23E+08	123407033	+	2.804E-08	1.7515E-07	0.222426	hyper	sig	chr9_123407033
chr10	37654952	37654952	+	2.805E-08	1.7522E-07	-0.20907	hypo	sig	chr10_37654952
chr1	58814760	58814760	+	2.807E-08	1.7532E-07	-0.2272	hypo	sig	chr1_58814760
chr10	513561	513561	+	2.808E-08	1.7536E-07	-0.25763	hypo	sig	chr10_513561
chr21	44391658	44391658	+	2.809E-08	1.7543E-07	0.231746	hyper	sig	chr21_44391658
chr19	13286950	13286950	+	2.814E-08	1.7577E-07	-0.2025	hypo	sig	chr19_13286950
chr16	87414473	87414473	+	2.814E-08	1.7577E-07	-0.23404	hypo	sig	chr16_87414473
chr12	1.22E+08	121654412	+	2.816E-08	1.7586E-07	-0.23817	hypo	sig	chr12_121654412
chr12	6556102	6556102	+	2.819E-08	1.7603E-07	0.218334	hyper	sig	chr12_6556102
chr3	1.4E+08	139539059	+	2.821E-08	1.7617E-07	0.201096	hyper	sig	chr3_139539059
chr5	1.33E+08	132823080	+	2.824E-08	1.7632E-07	0.222942	hyper	sig	chr5_132823080
chr7	97003670	97003670	+	2.825E-08	1.7639E-07	0.237097	hyper	sig	chr7_97003670
chr14	53951991	53951991	+	2.827E-08	1.7649E-07	0.263143	hyper	sig	chr14_53951991
chr3	52290132	52290132	+	2.832E-08	1.768E-07	-0.20102	hypo	sig	chr3_52290132
chr7	1.5E+08	149821694	+	2.833E-08	1.7688E-07	-0.22206	hypo	sig	chr7_149821694
chr7	1.56E+08	155806425	+	2.843E-08	1.7749E-07	0.236886	hyper	sig	chr7_155806425
chr5	1872884	1872884	+	2.845E-08	1.7759E-07	-0.20609	hypo	sig	chr5_1872884
chr12	1.1E+08	109606766	+	2.846E-08	1.7762E-07	0.217622	hyper	sig	chr12_109606766
chr5	1.41E+08	140877223	+	2.852E-08	1.7798E-07	0.251599	hyper	sig	chr5_140877223
chr2	74516524	74516524	+	2.852E-08	1.78E-07	0.224335	hyper	sig	chr2_74516524
chr15	96343633	96343633	+	2.858E-08	1.7834E-07	-0.21799	hypo	sig	chr15_96343633
chr6	1.29E+08	128930143	+	2.861E-08	1.7852E-07	0.226596	hyper	sig	chr6_128930143
chr1	1212917	1212917	+	2.862E-08	1.7857E-07	-0.24053	hypo	sig	chr1_1212917
chr10	43702921	43702921	+	2.862E-08	1.7859E-07	-0.20152	hypo	sig	chr10_43702921
chr9	1.28E+08	128233615	+	2.864E-08	1.7873E-07	-0.23449	hypo	sig	chr9_128233615
chr6	1.06E+08	105986059	+	2.869E-08	1.7904E-07	0.219423	hyper	sig	chr6_105986059
chr16	67394412	67394412	+	2.873E-08	1.7922E-07	-0.20049	hypo	sig	chr16_67394412
chr1	99005798	99005798	+	2.879E-08	1.7958E-07	0.21423	hyper	sig	chr1_99005798
chr12	34327286	34327286	+	2.88E-08	1.7964E-07	-0.21432	hypo	sig	chr12_34327286

chr15	74952224	74952224	+	2.882E-08	1.7975E-07	-0.28151	hypo	sig	chr15_74952224
chr3	75214534	75214534	+	2.886E-08	1.8005E-07	-0.2093	hypo	sig	chr3_75214534
chr2	2.41E+08	240895831	+	2.887E-08	1.8008E-07	-0.22047	hypo	sig	chr2_240895831
chr12	1.31E+08	131044881	+	2.887E-08	1.801E-07	-0.24407	hypo	sig	chr12_131044881
chr19	12752726	12752726	+	2.888E-08	1.8013E-07	-0.22239	hypo	sig	chr19_12752726
chr5	33936690	33936690	+	2.892E-08	1.8037E-07	0.201395	hyper	sig	chr5_33936690
chr9	1.37E+08	137160409	+	2.902E-08	1.8099E-07	-0.28102	hypo	sig	chr9_137160409
chr7	1.59E+08	158550094	+	2.903E-08	1.8102E-07	-0.24047	hypo	sig	chr7_158550094
chr15	23897832	23897832	+	2.907E-08	1.8129E-07	0.225651	hyper	sig	chr15_23897832
chr1	2.36E+08	235642158	+	2.911E-08	1.8155E-07	-0.28379	hypo	sig	chr1_235642158
chr15	23897788	23897788	+	2.912E-08	1.816E-07	0.239065	hyper	sig	chr15_23897788
chr17	3916515	3916515	+	2.915E-08	1.8178E-07	-0.25292	hypo	sig	chr17_3916515
chr17	41350882	41350882	+	2.916E-08	1.8183E-07	-0.20446	hypo	sig	chr17_41350882
chr5	1.77E+08	177385115	+	2.921E-08	1.8213E-07	-0.21714	hypo	sig	chr5_177385115
chr1	92481474	92481474	+	2.923E-08	1.8224E-07	0.229437	hyper	sig	chr1_92481474
chr1	1.19E+08	118984160	+	2.923E-08	1.8225E-07	0.242375	hyper	sig	chr1_118984160
chr13	1.13E+08	113409438	+	2.927E-08	1.8246E-07	-0.23581	hypo	sig	chr13_113409438
chr17	30559102	30559102	+	2.927E-08	1.825E-07	-0.21864	hypo	sig	chr17_30559102
chr13	1.12E+08	111974052	+	2.93E-08	1.8265E-07	0.23987	hyper	sig	chr13_111974052
chr7	79452971	79452971	+	2.934E-08	1.8287E-07	0.205117	hyper	sig	chr7_79452971
chr11	49561430	49561430	+	2.934E-08	1.8289E-07	0.202935	hyper	sig	chr11_49561430
chr11	1869671	1869671	+	2.935E-08	1.8298E-07	-0.22982	hypo	sig	chr11_1869671
chr2	1.87E+08	187003404	+	2.935E-08	1.8298E-07	0.215051	hyper	sig	chr2_187003404
chr19	34481337	34481337	+	2.936E-08	1.8303E-07	0.209731	hyper	sig	chr19_34481337
chr1	2.26E+08	226127182	+	2.937E-08	1.8305E-07	-0.23536	hypo	sig	chr1_226127182
chr17	6552026	6552026	+	2.937E-08	1.8306E-07	-0.21293	hypo	sig	chr17_6552026
chr11	1.29E+08	128691171	+	2.94E-08	1.8323E-07	-0.20257	hypo	sig	chr11_128691171
chr5	1152325	1152325	+	2.942E-08	1.8339E-07	-0.24774	hypo	sig	chr5_1152325
chr5	1.47E+08	147446583	+	2.944E-08	1.8346E-07	0.220571	hyper	sig	chr5_147446583
chr19	2292948	2292948	+	2.944E-08	1.8347E-07	-0.25971	hypo	sig	chr19_2292948
chr1	2351678	2351678	+	2.947E-08	1.8365E-07	-0.2049	hypo	sig	chr1_2351678
chr17	48722117	48722117	+	2.949E-08	1.8379E-07	0.200059	hyper	sig	chr17_48722117
chr7	1753245	1753245	+	2.954E-08	1.8408E-07	-0.21355	hypo	sig	chr7_1753245
chr22	45890033	45890033	+	2.957E-08	1.8426E-07	0.203178	hyper	sig	chr22_45890033
chr1	2.26E+08	226127194	+	2.958E-08	1.843E-07	-0.23907	hypo	sig	chr1_226127194
chr3	1.95E+08	194572517	+	2.958E-08	1.8433E-07	-0.21947	hypo	sig	chr3_194572517
chr14	30875864	30875864	+	2.969E-08	1.8498E-07	0.227014	hyper	sig	chr14_30875864
chr15	64851822	64851822	+	2.97E-08	1.8505E-07	0.284241	hyper	sig	chr15_64851822
chr17	22305085	22305085	+	2.972E-08	1.8515E-07	-0.22193	hypo	sig	chr17_22305085
chr10	37648039	37648039	+	2.975E-08	1.8531E-07	-0.27756	hypo	sig	chr10_37648039
chr21	44921413	44921413	+	2.977E-08	1.8542E-07	-0.24351	hypo	sig	chr21_44921413
chr19	10514147	10514147	+	2.98E-08	1.8562E-07	0.21113	hyper	sig	chr19_10514147
chr11	62688395	62688395	+	2.982E-08	1.8574E-07	0.26802	hyper	sig	chr11_62688395
chr7	98869288	98869288	+	2.991E-08	1.8629E-07	0.236022	hyper	sig	chr7_98869288
chr2	2.31E+08	231365566	+	2.992E-08	1.8632E-07	-0.21024	hypo	sig	chr2_231365566
chr8	23225932	23225932	+	2.994E-08	1.8648E-07	-0.23317	hypo	sig	chr8_23225932
chr12	1.22E+08	121813141	+	2.997E-08	1.8665E-07	0.221663	hyper	sig	chr12_121813141
chr1	2415511	2415511	+	2.997E-08	1.8665E-07	-0.2261	hypo	sig	chr1_2415511
chr1	2.17E+08	217137320	+	2.999E-08	1.8673E-07	0.22074	hyper	sig	chr1_217137320
chr5	1.41E+08	141431505	+	2.999E-08	1.8673E-07	0.226138	hyper	sig	chr5_141431505
chr16	1038636	1038636	+	3.001E-08	1.8685E-07	-0.23599	hypo	sig	chr16_1038636
chr7	1.06E+08	105962329	+	3.003E-08	1.8697E-07	-0.22805	hypo	sig	chr7_105962329
chr19	38729975	38729975	+	3.007E-08	1.8724E-07	0.256677	hyper	sig	chr19_38729975
chr1	16939160	16939160	+	3.013E-08	1.8758E-07	0.208587	hyper	sig	chr1_16939160
chr14	1.03E+08	102870514	+	3.017E-08	1.8782E-07	0.2184	hyper	sig	chr14_102870514
chr2	74459638	74459638	+	3.021E-08	1.8805E-07	-0.20976	hypo	sig	chr2_74459638

chr7	1.58E+08	157863451	+	3.024E-08	1.8825E-07	-0.21209	hypo	sig	chr7_157863451
chr12	1.08E+08	108346519	+	3.026E-08	1.8833E-07	-0.25828	hypo	sig	chr12_108346519
chr19	46620690	46620690	+	3.026E-08	1.8835E-07	0.231955	hyper	sig	chr19_46620690
chr17	79927425	79927425	+	3.029E-08	1.8853E-07	-0.22415	hypo	sig	chr17_79927425
chr19	49073905	49073905	+	3.034E-08	1.8879E-07	-0.20635	hypo	sig	chr19_49073905
chr9	1.37E+08	137139716	+	3.034E-08	1.8882E-07	0.251636	hyper	sig	chr9_137139716
chr11	30016306	30016306	+	3.034E-08	1.8883E-07	0.218706	hyper	sig	chr11_30016306
chr7	6015951	6015951	+	3.036E-08	1.8892E-07	0.204473	hyper	sig	chr7_6015951
chr5	1.69E+08	169300098	+	3.039E-08	1.8908E-07	0.217383	hyper	sig	chr5_169300098
chr9	1.34E+08	134226286	+	3.041E-08	1.8922E-07	-0.23791	hypo	sig	chr9_134226286
chr5	7306703	7306703	+	3.047E-08	1.8956E-07	-0.22066	hypo	sig	chr5_7306703
chr9	1.36E+08	136202339	+	3.05E-08	1.8975E-07	0.207705	hyper	sig	chr9_136202339
chr7	1.58E+08	158143210	+	3.052E-08	1.8984E-07	-0.21744	hypo	sig	chr7_158143210
chr5	1.35E+08	135027747	+	3.053E-08	1.8994E-07	0.230172	hyper	sig	chr5_135027747
chr19	55376336	55376336	+	3.054E-08	1.8998E-07	-0.23312	hypo	sig	chr19_55376336
chr7	27143004	27143004	+	3.055E-08	1.9001E-07	0.291472	hyper	sig	chr7_27143004
chr11	20163545	20163545	+	3.056E-08	1.9011E-07	0.25654	hyper	sig	chr11_20163545
chr6	1.66E+08	165853051	+	3.057E-08	1.9014E-07	-0.21032	hypo	sig	chr6_165853051
chr1	92481501	92481501	+	3.058E-08	1.9022E-07	0.230679	hyper	sig	chr1_92481501
chr16	85839717	85839717	+	3.06E-08	1.9031E-07	-0.20946	hypo	sig	chr16_85839717
chr19	1402716	1402716	+	3.062E-08	1.9047E-07	-0.31685	hypo	sig	chr19_1402716
chr13	27424065	27424065	+	3.063E-08	1.905E-07	0.253734	hyper	sig	chr13_27424065
chr2	2.42E+08	241842070	+	3.064E-08	1.9055E-07	-0.25557	hypo	sig	chr2_241842070
chr7	1.57E+08	157082166	+	3.065E-08	1.9065E-07	-0.26135	hypo	sig	chr7_157082166
chr16	1097848	1097848	+	3.068E-08	1.9082E-07	-0.20756	hypo	sig	chr16_1097848
chr16	66923523	66923523	+	3.07E-08	1.9091E-07	0.252288	hyper	sig	chr16_66923523
chr5	1.41E+08	140802931	+	3.072E-08	1.9106E-07	0.230942	hyper	sig	chr5_140802931
chr12	81078258	81078258	+	3.077E-08	1.9132E-07	0.2032	hyper	sig	chr12_81078258
chr19	53329046	53329046	+	3.077E-08	1.9137E-07	0.256462	hyper	sig	chr19_53329046
chr16	1205229	1205229	+	3.078E-08	1.9141E-07	-0.29299	hypo	sig	chr16_1205229
chr14	1.01E+08	100709693	+	3.078E-08	1.9141E-07	0.201114	hyper	sig	chr14_100709693
chr19	56477026	56477026	+	3.088E-08	1.9198E-07	0.208799	hyper	sig	chr19_56477026
chr11	46296252	46296252	+	3.091E-08	1.9217E-07	0.253478	hyper	sig	chr11_46296252
chr17	78450822	78450822	+	3.092E-08	1.9223E-07	-0.23178	hypo	sig	chr17_78450822
chr18	78126730	78126730	+	3.092E-08	1.9224E-07	0.208769	hyper	sig	chr18_78126730
chr6	3752671	3752671	+	3.095E-08	1.9242E-07	0.208958	hyper	sig	chr6_3752671
chr13	1.14E+08	113670992	+	3.096E-08	1.9244E-07	-0.24275	hypo	sig	chr13_113670992
chr16	1162915	1162915	+	3.101E-08	1.9279E-07	-0.20751	hypo	sig	chr16_1162915
chr13	1.12E+08	111558932	+	3.102E-08	1.928E-07	-0.21197	hypo	sig	chr13_111558932
chr3	71754968	71754968	+	3.104E-08	1.9298E-07	0.219788	hyper	sig	chr3_71754968
chr16	54931983	54931983	+	3.105E-08	1.9298E-07	0.210106	hyper	sig	chr16_54931983
chr17	44916895	44916895	+	3.108E-08	1.9321E-07	0.224242	hyper	sig	chr17_44916895
chr7	1.59E+08	158806136	+	3.109E-08	1.9321E-07	0.277606	hyper	sig	chr7_158806136
chr19	12786761	12786761	+	3.112E-08	1.9342E-07	-0.23291	hypo	sig	chr19_12786761
chr10	49441681	49441681	+	3.119E-08	1.9384E-07	0.205394	hyper	sig	chr10_49441681
chr20	63766047	63766047	+	3.121E-08	1.9396E-07	-0.2312	hypo	sig	chr20_63766047
chr16	57628778	57628778	+	3.125E-08	1.942E-07	0.212896	hyper	sig	chr16_57628778
chr12	1.33E+08	132559099	+	3.126E-08	1.9426E-07	-0.21296	hypo	sig	chr12_132559099
chr19	5914582	5914582	+	3.127E-08	1.9433E-07	0.266191	hyper	sig	chr19_5914582
chr19	15233296	15233296	+	3.131E-08	1.9454E-07	0.249676	hyper	sig	chr19_15233296
chr21	45015825	45015825	+	3.134E-08	1.9475E-07	-0.20381	hypo	sig	chr21_45015825
chr2	64612824	64612824	+	3.136E-08	1.9487E-07	-0.2366	hypo	sig	chr2_64612824
chr3	1.94E+08	193869903	+	3.139E-08	1.9504E-07	-0.22185	hypo	sig	chr3_193869903
chr17	7855652	7855652	+	3.14E-08	1.9511E-07	0.22316	hyper	sig	chr17_7855652
chr5	1.41E+08	141400281	+	3.153E-08	1.9588E-07	0.298927	hyper	sig	chr5_141400281
chr1	1.83E+08	183417550	+	3.154E-08	1.9589E-07	0.244797	hyper	sig	chr1_183417550

chr1	1.61E+08	161079938	+	3.154E-08	1.9591E-07	0.231082	hyper	sig	chr1_161079938
chr18	9536074	9536074	+	3.154E-08	1.9594E-07	0.248913	hyper	sig	chr18_9536074
chr22	42367742	42367742	+	3.159E-08	1.9622E-07	-0.21019	hypo	sig	chr22_42367742
chr12	1.25E+08	125076545	+	3.161E-08	1.9632E-07	-0.20314	hypo	sig	chr12_125076545
chr4	1.26E+08	125639376	+	3.166E-08	1.9662E-07	0.204837	hyper	sig	chr4_125639376
chr5	1.41E+08	141364224	+	3.169E-08	1.9679E-07	0.207876	hyper	sig	chr5_141364224
chr11	1.19E+08	119343223	+	3.17E-08	1.9684E-07	-0.25094	hypo	sig	chr11_119343223
chr9	1.36E+08	136208673	+	3.17E-08	1.9688E-07	-0.21785	hypo	sig	chr9_136208673
chr11	72822524	72822524	+	3.174E-08	1.9709E-07	0.249516	hyper	sig	chr11_72822524
chr14	1.04E+08	104270323	+	3.176E-08	1.9718E-07	-0.21737	hypo	sig	chr14_104270323
chr18	78126687	78126687	+	3.176E-08	1.9722E-07	0.203127	hyper	sig	chr18_78126687
chr16	72007438	72007438	+	3.176E-08	1.9723E-07	-0.21321	hypo	sig	chr16_72007438
chr4	80185455	80185455	+	3.178E-08	1.9734E-07	0.22276	hyper	sig	chr4_80185455
chr12	6556059	6556059	+	3.182E-08	1.9755E-07	0.248143	hyper	sig	chr12_6556059
chr7	27191904	27191904	+	3.183E-08	1.9759E-07	0.211915	hyper	sig	chr7_27191904
chr5	1.55E+08	154691736	+	3.185E-08	1.9771E-07	0.210041	hyper	sig	chr5_154691736
chr17	42784444	42784444	+	3.188E-08	1.979E-07	0.22426	hyper	sig	chr17_42784444
chr2	63048485	63048485	+	3.19E-08	1.9806E-07	0.222743	hyper	sig	chr2_63048485
chr6	99606044	99606044	+	3.193E-08	1.9821E-07	0.202017	hyper	sig	chr6_99606044
chr17	8087406	8087406	+	3.194E-08	1.9825E-07	-0.20746	hypo	sig	chr17_8087406
chr10	1.33E+08	132545160	+	3.2E-08	1.9861E-07	0.232943	hyper	sig	chr10_132545160
chr16	2959344	2959344	+	3.203E-08	1.9881E-07	-0.22574	hypo	sig	chr16_2959344
chr16	67156059	67156059	+	3.206E-08	1.9899E-07	0.209289	hyper	sig	chr16_67156059
chr10	6179067	6179067	+	3.207E-08	1.9902E-07	0.255641	hyper	sig	chr10_6179067
chr19	8698414	8698414	+	3.215E-08	1.9952E-07	0.212702	hyper	sig	chr19_8698414
chr17	20091936	20091936	+	3.216E-08	1.9954E-07	0.200866	hyper	sig	chr17_20091936
chr2	44944165	44944165	+	3.218E-08	1.9966E-07	0.292395	hyper	sig	chr2_44944165
chr4	1014815	1014815	+	3.219E-08	1.9975E-07	0.221228	hyper	sig	chr4_1014815
chr7	4261213	4261213	+	3.221E-08	1.9988E-07	0.243586	hyper	sig	chr7_4261213
chr1	47449857	47449857	+	3.223E-08	1.9995E-07	0.21134	hyper	sig	chr1_47449857
chr8	1.43E+08	143248164	+	3.225E-08	2.0009E-07	-0.25049	hypo	sig	chr8_143248164
chr16	1135365	1135365	+	3.227E-08	2.0022E-07	-0.20425	hypo	sig	chr16_1135365
chr3	1.98E+08	197520361	+	3.227E-08	2.0022E-07	-0.22437	hypo	sig	chr3_197520361
chr1	1.83E+08	183417164	+	3.231E-08	2.0042E-07	0.234041	hyper	sig	chr1_183417164
chr8	60660815	60660815	+	3.236E-08	2.0075E-07	-0.22379	hypo	sig	chr8_60660815
chr17	81400609	81400609	+	3.237E-08	2.0081E-07	0.217613	hyper	sig	chr17_81400609
chr6	75202505	75202505	+	3.24E-08	2.0098E-07	0.203899	hyper	sig	chr6_75202505
chr13	27975728	27975728	+	3.243E-08	2.0116E-07	0.258274	hyper	sig	chr13_27975728
chr15	74417320	74417320	+	3.245E-08	2.0128E-07	-0.21865	hypo	sig	chr15_74417320
chr2	2.41E+08	240775670	+	3.25E-08	2.0156E-07	-0.21839	hypo	sig	chr2_240775670
chr9	1.34E+08	133918393	+	3.25E-08	2.0157E-07	0.234527	hyper	sig	chr9_133918393
chr2	44768850	44768850	+	3.25E-08	2.0158E-07	0.273415	hyper	sig	chr2_44768850
chr19	8132957	8132957	+	3.251E-08	2.0164E-07	-0.21648	hypo	sig	chr19_8132957
chr8	1.45E+08	144583052	+	3.256E-08	2.0194E-07	-0.22565	hypo	sig	chr8_144583052
chr17	40191689	40191689	+	3.257E-08	2.0198E-07	0.226327	hyper	sig	chr17_40191689
chr15	64774032	64774032	+	3.257E-08	2.0199E-07	0.203027	hyper	sig	chr15_64774032
chr12	1.31E+08	131004217	+	3.26E-08	2.0214E-07	-0.2036	hypo	sig	chr12_131004217
chr3	1.95E+08	195103123	+	3.264E-08	2.0237E-07	-0.21917	hypo	sig	chr3_195103123
chr18	76012	76012	+	3.269E-08	2.0268E-07	0.229961	hyper	sig	chr18_76012
chr4	1.74E+08	173524306	+	3.272E-08	2.0288E-07	0.229287	hyper	sig	chr4_173524306
chr16	1112801	1112801	+	3.272E-08	2.0288E-07	-0.21294	hypo	sig	chr16_1112801
chr16	51150033	51150033	+	3.275E-08	2.0304E-07	0.247674	hyper	sig	chr16_51150033
chr3	1.96E+08	195851309	+	3.276E-08	2.0311E-07	-0.22596	hypo	sig	chr3_195851309
chr8	1.45E+08	144500349	+	3.278E-08	2.0319E-07	0.206931	hyper	sig	chr8_144500349
chr12	12927301	12927301	+	3.278E-08	2.0322E-07	-0.21805	hypo	sig	chr12_12927301
chr5	1.8E+08	180090185	+	3.279E-08	2.0327E-07	0.229674	hyper	sig	chr5_180090185

chr4	1.54E+08	153760199	+	3.284E-08	2.0356E-07	0.259513	hyper	sig	chr4_153760199
chr3	13700531	13700531	+	3.284E-08	2.0357E-07	0.210935	hyper	sig	chr3_13700531
chr1	2.26E+08	225677675	+	3.285E-08	2.0363E-07	-0.20507	hypo	sig	chr1_225677675
chr16	67884722	67884722	+	3.288E-08	2.0377E-07	0.217338	hyper	sig	chr16_67884722
chr20	63775173	63775173	+	3.29E-08	2.0388E-07	0.248302	hyper	sig	chr20_63775173
chr14	20723694	20723694	+	3.291E-08	2.0396E-07	0.224132	hyper	sig	chr14_20723694
chr19	4835704	4835704	+	3.295E-08	2.0421E-07	-0.20931	hypo	sig	chr19_4835704
chr1	2.28E+08	227949361	+	3.296E-08	2.0424E-07	-0.29125	hypo	sig	chr1_227949361
chr19	1254125	1254125	+	3.296E-08	2.0424E-07	0.225977	hyper	sig	chr19_1254125
chr19	45553837	45553837	+	3.298E-08	2.0438E-07	0.226372	hyper	sig	chr19_45553837
chr19	7682296	7682296	+	3.299E-08	2.0446E-07	0.259797	hyper	sig	chr19_7682296
chr20	62707008	62707008	+	3.302E-08	2.0459E-07	-0.21736	hypo	sig	chr20_62707008
chr17	79204399	79204399	+	3.304E-08	2.0471E-07	-0.21866	hypo	sig	chr17_79204399
chr10	3118790	3118790	+	3.304E-08	2.0474E-07	-0.20658	hypo	sig	chr10_3118790
chr19	23471025	23471025	+	3.306E-08	2.0483E-07	0.23709	hyper	sig	chr19_23471025
chr1	1.07E+08	107480140	+	3.308E-08	2.0495E-07	0.209064	hyper	sig	chr1_107480140
chr3	22372952	22372952	+	3.314E-08	2.0534E-07	0.276377	hyper	sig	chr3_22372952
chr5	1446153	1446153	+	3.316E-08	2.0545E-07	0.201649	hyper	sig	chr5_1446153
chr5	10652224	10652224	+	3.323E-08	2.0584E-07	-0.2217	hypo	sig	chr5_10652224
chr13	20301869	20301869	+	3.325E-08	2.0595E-07	0.221926	hyper	sig	chr13_20301869
chr13	1.12E+08	112245408	+	3.327E-08	2.0607E-07	-0.22756	hypo	sig	chr13_112245408
chr16	533813	533813	+	3.33E-08	2.0624E-07	-0.24022	hypo	sig	chr16_533813
chr3	1.14E+08	113623578	+	3.33E-08	2.0624E-07	0.236269	hyper	sig	chr3_113623578
chr11	18455818	18455818	+	3.333E-08	2.0643E-07	0.232916	hyper	sig	chr11_18455818
chr17	74203149	74203149	+	3.333E-08	2.0644E-07	0.253	hyper	sig	chr17_74203149
chr1	6465991	6465991	+	3.335E-08	2.0654E-07	0.215172	hyper	sig	chr1_6465991
chr13	98472102	98472102	+	3.336E-08	2.0659E-07	-0.2373	hypo	sig	chr13_98472102
chr7	1.51E+08	151188515	+	3.343E-08	2.0701E-07	-0.20303	hypo	sig	chr7_151188515
chr1	1.15E+08	115299945	+	3.344E-08	2.0706E-07	-0.21021	hypo	sig	chr1_115299945
chr5	73298601	73298601	+	3.349E-08	2.0736E-07	0.254382	hyper	sig	chr5_73298601
chr19	57560214	57560214	+	3.351E-08	2.0746E-07	0.230756	hyper	sig	chr19_57560214
chr11	1.32E+08	132245982	+	3.355E-08	2.0774E-07	-0.20599	hypo	sig	chr11_132245982
chr2	1.31E+08	131444431	+	3.362E-08	2.0815E-07	-0.241	hypo	sig	chr2_131444431
chr11	18412245	18412245	+	3.364E-08	2.0825E-07	0.215804	hyper	sig	chr11_18412245
chr5	1.41E+08	140835819	+	3.365E-08	2.083E-07	0.318332	hyper	sig	chr5_140835819
chr10	1.33E+08	133038176	+	3.365E-08	2.0831E-07	0.210089	hyper	sig	chr10_133038176
chr11	64746335	64746335	+	3.369E-08	2.0853E-07	0.235428	hyper	sig	chr11_64746335
chr17	49964236	49964236	+	3.369E-08	2.0856E-07	0.202061	hyper	sig	chr17_49964236
chr7	1.43E+08	143384305	+	3.372E-08	2.0871E-07	0.211306	hyper	sig	chr7_143384305
chr1	9183723	9183723	+	3.373E-08	2.0876E-07	0.256262	hyper	sig	chr1_9183723
chr2	2.19E+08	219331787	+	3.373E-08	2.0876E-07	0.216077	hyper	sig	chr2_219331787
chr10	71774109	71774109	+	3.379E-08	2.0914E-07	-0.20176	hypo	sig	chr10_71774109
chr12	64760244	64760244	+	3.384E-08	2.0945E-07	-0.21635	hypo	sig	chr12_64760244
chr2	2.02E+08	202123509	+	3.387E-08	2.096E-07	-0.20911	hypo	sig	chr2_202123509
chr13	99955783	99955783	+	3.389E-08	2.0972E-07	0.204969	hyper	sig	chr13_99955783
chr5	1.5E+08	150209570	+	3.39E-08	2.0979E-07	-0.22701	hypo	sig	chr5_150209570
chr19	50639126	50639126	+	3.391E-08	2.0985E-07	0.238339	hyper	sig	chr19_50639126
chr22	48396978	48396978	+	3.391E-08	2.0985E-07	-0.23668	hypo	sig	chr22_48396978
chr5	80565480	80565480	+	3.393E-08	2.0996E-07	-0.20411	hypo	sig	chr5_80565480
chr5	1.38E+08	138077801	+	3.393E-08	2.0996E-07	-0.20067	hypo	sig	chr5_138077801
chr7	27142995	27142995	+	3.393E-08	2.0998E-07	0.308097	hyper	sig	chr7_27142995
chr17	61457598	61457598	+	3.396E-08	2.1016E-07	0.229626	hyper	sig	chr17_61457598
chr19	2865984	2865984	+	3.399E-08	2.103E-07	-0.21673	hypo	sig	chr19_2865984
chr17	2057959	2057959	+	3.399E-08	2.1034E-07	0.211877	hyper	sig	chr17_2057959
chr14	74242271	74242271	+	3.403E-08	2.1056E-07	0.213983	hyper	sig	chr14_74242271
chr5	1.59E+08	159104911	+	3.403E-08	2.1056E-07	0.230584	hyper	sig	chr5_159104911

chr13	36346707	36346707	+	3.407E-08	2.1077E-07	0.20176	hyper	sig	chr13_36346707
chr2	1.71E+08	170821741	+	3.412E-08	2.1108E-07	0.23901	hyper	sig	chr2_170821741
chr8	41897928	41897928	+	3.414E-08	2.1118E-07	0.207606	hyper	sig	chr8_41897928
chr3	12944580	12944580	+	3.418E-08	2.1142E-07	0.20269	hyper	sig	chr3_12944580
chr11	778657	778657	+	3.42E-08	2.1152E-07	-0.22559	hypo	sig	chr11_778657
chr16	1061787	1061787	+	3.429E-08	2.1208E-07	-0.21937	hypo	sig	chr16_1061787
chr1	2322760	2322760	+	3.429E-08	2.1209E-07	0.201857	hyper	sig	chr1_2322760
chr17	74836444	74836444	+	3.429E-08	2.1211E-07	-0.21521	hypo	sig	chr17_74836444
chr6	73315296	73315296	+	3.43E-08	2.1213E-07	0.25946	hyper	sig	chr6_73315296
chr7	4830531	4830531	+	3.434E-08	2.1237E-07	-0.21916	hypo	sig	chr7_4830531
chr7	35259194	35259194	+	3.435E-08	2.1241E-07	0.224041	hyper	sig	chr7_35259194
chr8	4993410	4993410	+	3.439E-08	2.1268E-07	0.204117	hyper	sig	chr8_4993410
chr13	20350980	20350980	+	3.44E-08	2.1275E-07	-0.22632	hypo	sig	chr13_20350980
chr3	1.7E+08	169666618	+	3.441E-08	2.1275E-07	0.21557	hyper	sig	chr3_169666618
chr4	1.11E+08	110615707	+	3.446E-08	2.131E-07	0.208434	hyper	sig	chr4_110615707
chr5	1.41E+08	140850346	+	3.447E-08	2.1312E-07	0.275529	hyper	sig	chr5_140850346
chr5	1241570	1241570	+	3.451E-08	2.1337E-07	0.230902	hyper	sig	chr5_1241570
chr17	45407044	45407044	+	3.453E-08	2.1346E-07	-0.20552	hypo	sig	chr17_45407044
chr19	55310111	55310111	+	3.453E-08	2.1349E-07	-0.20395	hypo	sig	chr19_55310111
chr6	1.7E+08	170252362	+	3.456E-08	2.1368E-07	-0.25442	hypo	sig	chr6_170252362
chr2	1.13E+08	113235389	+	3.457E-08	2.1372E-07	-0.24113	hypo	sig	chr2_113235389
chr20	63319556	63319556	+	3.459E-08	2.138E-07	-0.22505	hypo	sig	chr20_63319556
chr20	23038813	23038813	+	3.459E-08	2.1383E-07	-0.25431	hypo	sig	chr20_23038813
chr2	1.13E+08	113291286	+	3.459E-08	2.1384E-07	0.205264	hyper	sig	chr2_113291286
chr2	1730568	1730568	+	3.461E-08	2.1397E-07	0.202029	hyper	sig	chr2_1730568
chr7	636457	636457	+	3.462E-08	2.1398E-07	-0.22116	hypo	sig	chr7_636457
chr12	24902695	24902695	+	3.462E-08	2.1398E-07	0.221781	hyper	sig	chr12_24902695
chr22	45645988	45645988	+	3.473E-08	2.1467E-07	-0.31687	hypo	sig	chr22_45645988
chr2	71071736	71071736	+	3.476E-08	2.1479E-07	-0.26434	hypo	sig	chr2_71071736
chr16	88393193	88393193	+	3.476E-08	2.148E-07	-0.2016	hypo	sig	chr16_88393193
chr19	13963524	13963524	+	3.476E-08	2.1483E-07	0.218734	hyper	sig	chr19_13963524
chr17	82656365	82656365	+	3.478E-08	2.1492E-07	0.21239	hyper	sig	chr17_82656365
chr11	50298581	50298581	+	3.486E-08	2.1542E-07	0.208097	hyper	sig	chr11_50298581
chr3	1.07E+08	107429534	+	3.488E-08	2.1554E-07	0.22275	hyper	sig	chr3_107429534
chr16	85486582	85486582	+	3.49E-08	2.1563E-07	-0.24485	hypo	sig	chr16_85486582
chr7	45160719	45160719	+	3.491E-08	2.1566E-07	-0.24932	hypo	sig	chr7_45160719
chr6	1.08E+08	108170253	+	3.492E-08	2.1576E-07	0.221113	hyper	sig	chr6_108170253
chr2	2.41E+08	240629109	+	3.493E-08	2.1578E-07	0.220226	hyper	sig	chr2_240629109
chr12	57610070	57610070	+	3.493E-08	2.158E-07	0.203577	hyper	sig	chr12_57610070
chr2	11656794	11656794	+	3.497E-08	2.1607E-07	-0.23059	hypo	sig	chr2_11656794
chr11	1.23E+08	122980104	+	3.499E-08	2.1617E-07	0.202637	hyper	sig	chr11_122980104
chr11	67524069	67524069	+	3.505E-08	2.1649E-07	-0.27897	hypo	sig	chr11_67524069
chr2	71071796	71071796	+	3.505E-08	2.1652E-07	-0.21744	hypo	sig	chr2_71071796
chr3	1.97E+08	197459240	+	3.506E-08	2.1655E-07	-0.22633	hypo	sig	chr3_197459240
chr9	35036320	35036320	+	3.508E-08	2.1667E-07	0.202566	hyper	sig	chr9_35036320
chr3	1.95E+08	194572523	+	3.511E-08	2.1685E-07	-0.20958	hypo	sig	chr3_194572523
chr14	23119407	23119407	+	3.514E-08	2.1702E-07	-0.21204	hypo	sig	chr14_23119407
chr11	1938016	1938016	+	3.514E-08	2.1704E-07	-0.27548	hypo	sig	chr11_1938016
chr12	49333173	49333173	+	3.515E-08	2.1708E-07	0.211532	hyper	sig	chr12_49333173
chr12	1.31E+08	131028749	+	3.519E-08	2.1729E-07	-0.22847	hypo	sig	chr12_131028749
chr6	10390010	10390010	+	3.519E-08	2.1732E-07	0.241209	hyper	sig	chr6_10390010
chr3	47010107	47010107	+	3.52E-08	2.1735E-07	0.278635	hyper	sig	chr3_47010107
chr7	66697828	66697828	+	3.52E-08	2.1738E-07	0.217045	hyper	sig	chr7_66697828
chr10	73648216	73648216	+	3.524E-08	2.1763E-07	0.261955	hyper	sig	chr10_73648216
chr1	6455760	6455760	+	3.524E-08	2.1763E-07	0.218406	hyper	sig	chr1_6455760
chr17	82051146	82051146	+	3.525E-08	2.1769E-07	0.217755	hyper	sig	chr17_82051146

chr7	1.02E+08	102300737	+	3.531E-08	2.18E-07	0.217605	hyper	sig	chr7_102300737
chr20	22582581	22582581	+	3.535E-08	2.1829E-07	0.219144	hyper	sig	chr20_22582581
chr5	54520733	54520733	+	3.537E-08	2.1838E-07	0.246301	hyper	sig	chr5_54520733
chr12	1.14E+08	114407418	+	3.543E-08	2.1872E-07	0.219437	hyper	sig	chr12_114407418
chr8	2023386	2023386	+	3.545E-08	2.1882E-07	-0.20113	hypo	sig	chr8_2023386
chr22	23437916	23437916	+	3.549E-08	2.1908E-07	-0.23756	hypo	sig	chr22_23437916
chr6	32201133	32201133	+	3.551E-08	2.1917E-07	-0.23159	hypo	sig	chr6_32201133
chr8	22704209	22704209	+	3.552E-08	2.1924E-07	0.20677	hyper	sig	chr8_22704209
chr16	71853584	71853584	+	3.553E-08	2.193E-07	-0.22248	hypo	sig	chr16_71853584
chr2	3601817	3601817	+	3.554E-08	2.1939E-07	-0.20612	hypo	sig	chr2_3601817
chr10	58511745	58511745	+	3.555E-08	2.1941E-07	-0.20948	hypo	sig	chr10_58511745
chr16	2163674	2163674	+	3.559E-08	2.1965E-07	-0.21122	hypo	sig	chr16_2163674
chr5	1.72E+08	171667772	+	3.57E-08	2.2032E-07	0.231288	hyper	sig	chr5_171667772
chr1	1422783	1422783	+	3.575E-08	2.2064E-07	-0.20289	hypo	sig	chr1_1422783
chr9	1.21E+08	121318884	+	3.577E-08	2.2072E-07	0.2233	hyper	sig	chr9_121318884
chr11	18412283	18412283	+	3.585E-08	2.212E-07	0.226337	hyper	sig	chr11_18412283
chr7	1647415	1647415	+	3.591E-08	2.2157E-07	-0.21337	hypo	sig	chr7_1647415
chr11	1853090	1853090	+	3.593E-08	2.2165E-07	-0.20937	hypo	sig	chr11_1853090
chr8	1.43E+08	143157204	+	3.595E-08	2.2181E-07	-0.20571	hypo	sig	chr8_143157204
chr6	1.68E+08	167965816	+	3.599E-08	2.2201E-07	-0.24595	hypo	sig	chr6_167965816
chr14	89701281	89701281	+	3.6E-08	2.2206E-07	-0.21359	hypo	sig	chr14_89701281
chr11	2141352	2141352	+	3.601E-08	2.2216E-07	0.212131	hyper	sig	chr11_2141352
chr5	1.8E+08	179804109	+	3.605E-08	2.2236E-07	-0.2078	hypo	sig	chr5_179804109
chr7	1.14E+08	114087861	+	3.605E-08	2.2236E-07	0.23651	hyper	sig	chr7_114087861
chr7	982577	982577	+	3.605E-08	2.2238E-07	-0.20188	hypo	sig	chr7_982577
chr14	97458461	97458461	+	3.607E-08	2.2248E-07	0.214496	hyper	sig	chr14_97458461
chr12	52965220	52965220	+	3.613E-08	2.2287E-07	0.264288	hyper	sig	chr12_52965220
chr11	72822529	72822529	+	3.614E-08	2.229E-07	0.236922	hyper	sig	chr11_72822529
chr1	2.28E+08	227952416	+	3.615E-08	2.2294E-07	-0.20475	hypo	sig	chr1_227952416
chr4	8694418	8694418	+	3.616E-08	2.23E-07	-0.21023	hypo	sig	chr4_8694418
chr4	3741439	3741439	+	3.621E-08	2.233E-07	-0.2524	hypo	sig	chr4_3741439
chr15	58864876	58864876	+	3.624E-08	2.2348E-07	0.224316	hyper	sig	chr15_58864876
chr6	70282833	70282833	+	3.635E-08	2.2413E-07	0.271373	hyper	sig	chr6_70282833
chr9	1.36E+08	135501851	+	3.638E-08	2.2434E-07	0.232523	hyper	sig	chr9_135501851
chr9	62800429	62800429	+	3.64E-08	2.2445E-07	0.224025	hyper	sig	chr9_62800429
chr1	47225921	47225921	+	3.644E-08	2.2465E-07	0.220451	hyper	sig	chr1_47225921
chr7	1.3E+08	130493198	+	3.645E-08	2.2472E-07	0.243801	hyper	sig	chr7_130493198
chr3	55491910	55491910	+	3.654E-08	2.2524E-07	-0.27152	hypo	sig	chr3_55491910
chr2	38038425	38038425	+	3.655E-08	2.2529E-07	0.231121	hyper	sig	chr2_38038425
chr1	1.48E+08	148318303	+	3.655E-08	2.253E-07	0.251244	hyper	sig	chr1_148318303
chr17	3924792	3924792	+	3.655E-08	2.2532E-07	0.294821	hyper	sig	chr17_3924792
chr9	1.35E+08	134802852	+	3.657E-08	2.2543E-07	-0.2556	hypo	sig	chr9_134802852
chr10	1.32E+08	132293597	+	3.664E-08	2.2581E-07	0.226743	hyper	sig	chr10_132293597
chr2	11656660	11656660	+	3.665E-08	2.2589E-07	-0.22504	hypo	sig	chr2_11656660
chr16	68447419	68447419	+	3.672E-08	2.2631E-07	0.224181	hyper	sig	chr16_68447419
chr5	1.42E+08	141701578	+	3.674E-08	2.2641E-07	0.228347	hyper	sig	chr5_141701578
chr3	1.96E+08	195825495	+	3.674E-08	2.2643E-07	-0.2239	hypo	sig	chr3_195825495
chr12	1.32E+08	132062169	+	3.678E-08	2.2664E-07	0.205457	hyper	sig	chr12_132062169
chr3	47009990	47009990	+	3.679E-08	2.2671E-07	0.284185	hyper	sig	chr3_47009990
chr4	7250881	7250881	+	3.681E-08	2.2681E-07	0.203891	hyper	sig	chr4_7250881
chr1	1207229	1207229	+	3.684E-08	2.2697E-07	-0.26853	hypo	sig	chr1_1207229
chr2	2.19E+08	218871809	+	3.693E-08	2.2751E-07	0.20103	hyper	sig	chr2_218871809
chr9	36135847	36135847	+	3.697E-08	2.2777E-07	-0.21889	hypo	sig	chr9_36135847
chr5	1.41E+08	141427599	+	3.703E-08	2.2814E-07	0.225186	hyper	sig	chr5_141427599
chr14	77271662	77271662	+	3.706E-08	2.283E-07	-0.22826	hypo	sig	chr14_77271662
chr10	45419244	45419244	+	3.707E-08	2.2835E-07	0.22186	hyper	sig	chr10_45419244

chr1	36109253	36109253	+	3.711E-08	2.2859E-07	-0.24893	hypo	sig	chr1_36109253
chr19	13979498	13979498	+	3.713E-08	2.2871E-07	0.230617	hyper	sig	chr19_13979498
chr22	20422672	20422672	+	3.716E-08	2.2889E-07	0.216382	hyper	sig	chr22_20422672
chr16	51151623	51151623	+	3.718E-08	2.2898E-07	0.202229	hyper	sig	chr16_51151623
chr4	3476662	3476662	+	3.719E-08	2.2905E-07	-0.21209	hypo	sig	chr4_3476662
chr18	37484952	37484952	+	3.721E-08	2.2915E-07	0.213431	hyper	sig	chr18_37484952
chr6	52573805	52573805	+	3.721E-08	2.2916E-07	0.292176	hyper	sig	chr6_52573805
chr17	76141715	76141715	+	3.721E-08	2.2918E-07	0.215876	hyper	sig	chr17_76141715
chr8	1.45E+08	144713963	+	3.724E-08	2.2936E-07	0.257405	hyper	sig	chr8_144713963
chr2	2.32E+08	231924718	+	3.725E-08	2.294E-07	-0.20107	hypo	sig	chr2_231924718
chr9	1.33E+08	132770674	+	3.727E-08	2.2951E-07	0.233673	hyper	sig	chr9_132770674
chr2	1591726	1591726	+	3.729E-08	2.2961E-07	0.23896	hyper	sig	chr2_1591726
chr1	1.13E+08	112882641	+	3.733E-08	2.2989E-07	-0.20499	hypo	sig	chr1_112882641
chr17	45407231	45407231	+	3.736E-08	2.3001E-07	-0.24578	hypo	sig	chr17_45407231
chr18	14866113	14866113	+	3.735E-08	2.3001E-07	-0.22411	hypo	sig	chr18_14866113
chr21	46029450	46029450	+	3.736E-08	2.3002E-07	0.206219	hyper	sig	chr21_46029450
chr12	1.31E+08	131028880	+	3.738E-08	2.3015E-07	-0.202	hypo	sig	chr12_131028880
chr12	1.15E+08	114700323	+	3.738E-08	2.3017E-07	0.255349	hyper	sig	chr12_114700323
chr3	10444409	10444409	+	3.739E-08	2.3023E-07	-0.26948	hypo	sig	chr3_10444409
chr2	2.4E+08	240324610	+	3.74E-08	2.3027E-07	-0.23688	hypo	sig	chr2_240324610
chr11	1.18E+08	117780736	+	3.741E-08	2.3033E-07	-0.20237	hypo	sig	chr11_117780736
chr1	22559252	22559252	+	3.743E-08	2.3042E-07	-0.22218	hypo	sig	chr1_22559252
chr12	1.17E+08	117032733	+	3.743E-08	2.3043E-07	0.206872	hyper	sig	chr12_117032733
chr2	74516413	74516413	+	3.746E-08	2.3062E-07	0.230374	hyper	sig	chr2_74516413
chr1	16009853	16009853	+	3.746E-08	2.3062E-07	-0.20657	hypo	sig	chr1_16009853
chr17	14295079	14295079	+	3.748E-08	2.3071E-07	0.219324	hyper	sig	chr17_14295079
chr11	1549785	1549785	+	3.749E-08	2.3081E-07	-0.20436	hypo	sig	chr11_1549785
chr1	14930048	14930048	+	3.75E-08	2.3083E-07	-0.212	hypo	sig	chr1_14930048
chr1	3349175	3349175	+	3.75E-08	2.3086E-07	-0.2013	hypo	sig	chr1_3349175
chr6	41239712	41239712	+	3.751E-08	2.3092E-07	0.236166	hyper	sig	chr6_41239712
chr5	2643074	2643074	+	3.752E-08	2.3097E-07	0.23261	hyper	sig	chr5_2643074
chr5	1.35E+08	135029290	+	3.753E-08	2.31E-07	0.200038	hyper	sig	chr5_135029290
chr1	3182270	3182270	+	3.753E-08	2.3103E-07	-0.21575	hypo	sig	chr1_3182270
chr16	87616882	87616882	+	3.755E-08	2.3114E-07	-0.20085	hypo	sig	chr16_87616882
chr22	39646638	39646638	+	3.758E-08	2.3133E-07	-0.20397	hypo	sig	chr22_39646638
chr19	18762218	18762218	+	3.759E-08	2.3137E-07	0.214453	hyper	sig	chr19_18762218
chr8	949109	949109	+	3.761E-08	2.3148E-07	-0.25898	hypo	sig	chr8_949109
chr6	49713658	49713658	+	3.762E-08	2.3154E-07	0.243055	hyper	sig	chr6_49713658
chr16	85349044	85349044	+	3.765E-08	2.3171E-07	-0.20722	hypo	sig	chr16_85349044
chr12	1644964	1644964	+	3.766E-08	2.3175E-07	0.244986	hyper	sig	chr12_1644964
chr5	1.23E+08	123163404	+	3.769E-08	2.3194E-07	-0.20646	hypo	sig	chr5_123163404
chr16	86516894	86516894	+	3.77E-08	2.32E-07	0.219969	hyper	sig	chr16_86516894
chr1	2.26E+08	225911316	+	3.772E-08	2.321E-07	-0.20627	hypo	sig	chr1_225911316
chr6	27864402	27864402	+	3.782E-08	2.3269E-07	0.204124	hyper	sig	chr6_27864402
chr3	1.29E+08	128993299	+	3.783E-08	2.3274E-07	0.209389	hyper	sig	chr3_128993299
chr20	50008030	50008030	+	3.784E-08	2.3279E-07	-0.23776	hypo	sig	chr20_50008030
chr2	72925516	72925516	+	3.785E-08	2.3284E-07	0.213897	hyper	sig	chr2_72925516
chr10	1.33E+08	132984197	+	3.79E-08	2.3316E-07	0.207934	hyper	sig	chr10_132984197
chr1	34778010	34778010	+	3.791E-08	2.3319E-07	0.230074	hyper	sig	chr1_34778010
chr19	17751159	17751159	+	3.793E-08	2.3331E-07	-0.22075	hypo	sig	chr19_17751159
chr5	1.41E+08	141332592	+	3.793E-08	2.3333E-07	0.23816	hyper	sig	chr5_141332592
chr1	3565126	3565126	+	3.797E-08	2.3358E-07	-0.22963	hypo	sig	chr1_3565126
chr8	29336887	29336887	+	3.799E-08	2.3369E-07	0.223833	hyper	sig	chr8_29336887
chr4	6566302	6566302	+	3.802E-08	2.3385E-07	-0.20897	hypo	sig	chr4_6566302
chr10	1405060	1405060	+	3.805E-08	2.34E-07	0.227802	hyper	sig	chr10_1405060
chr17	62137929	62137929	+	3.809E-08	2.3426E-07	0.20765	hyper	sig	chr17_62137929

chr20	63402158	63402158	+	3.81E-08	2.3429E-07	-0.20904	hypo	sig	chr20_63402158
chr6	1.37E+08	137497243	+	3.818E-08	2.348E-07	0.214939	hyper	sig	chr6_137497243
chr5	6182586	6182586	+	3.818E-08	2.348E-07	-0.20397	hypo	sig	chr5_6182586
chr14	49766914	49766914	+	3.822E-08	2.3501E-07	-0.21915	hypo	sig	chr14_49766914
chr1	913143	913143	+	3.824E-08	2.3511E-07	-0.25446	hypo	sig	chr1_913143
chr17	82449512	82449512	+	3.824E-08	2.3513E-07	-0.22041	hypo	sig	chr17_82449512
chr4	1.22E+08	122378992	+	3.829E-08	2.3545E-07	-0.23276	hypo	sig	chr4_122378992
chr13	1.14E+08	113653378	+	3.831E-08	2.3555E-07	-0.20599	hypo	sig	chr13_113653378
chr15	23897814	23897814	+	3.831E-08	2.3556E-07	0.230077	hyper	sig	chr15_23897814
chr16	87881839	87881839	+	3.833E-08	2.3567E-07	-0.22073	hypo	sig	chr16_87881839
chr6	1376874	1376874	+	3.836E-08	2.3583E-07	-0.25054	hypo	sig	chr6_1376874
chr15	55588987	55588987	+	3.842E-08	2.3621E-07	0.209185	hyper	sig	chr15_55588987
chr20	57329899	57329899	+	3.844E-08	2.3629E-07	-0.20857	hypo	sig	chr20_57329899
chr6	50707675	50707675	+	3.848E-08	2.3652E-07	0.26674	hyper	sig	chr6_50707675
chr3	51670315	51670315	+	3.851E-08	2.3675E-07	-0.21872	hypo	sig	chr3_51670315
chr2	1.56E+08	156320811	+	3.86E-08	2.3725E-07	0.209578	hyper	sig	chr2_156320811
chr3	1.58E+08	158102905	+	3.862E-08	2.3739E-07	0.228197	hyper	sig	chr3_158102905
chr14	92329179	92329179	+	3.867E-08	2.3763E-07	-0.2532	hypo	sig	chr14_92329179
chr1	3402774	3402774	+	3.874E-08	2.381E-07	0.201039	hyper	sig	chr1_3402774
chr11	77138046	77138046	+	3.886E-08	2.3878E-07	0.226101	hyper	sig	chr11_77138046
chr8	8772854	8772854	+	3.886E-08	2.3878E-07	-0.24628	hypo	sig	chr8_8772854
chr5	1.41E+08	141374191	+	3.888E-08	2.3888E-07	0.204121	hyper	sig	chr5_141374191
chr1	2449834	2449834	+	3.896E-08	2.3936E-07	-0.23488	hypo	sig	chr1_2449834
chr5	1.41E+08	140842727	+	3.9E-08	2.396E-07	0.236757	hyper	sig	chr5_140842727
chr3	1.94E+08	194398237	+	3.9E-08	2.396E-07	0.215271	hyper	sig	chr3_194398237
chr11	7673358	7673358	+	3.905E-08	2.3989E-07	-0.25064	hypo	sig	chr11_7673358
chr7	74043413	74043413	+	3.908E-08	2.4007E-07	0.269399	hyper	sig	chr7_74043413
chr10	1.3E+08	129771167	+	3.908E-08	2.4008E-07	0.240317	hyper	sig	chr10_129771167
chr19	7873646	7873646	+	3.916E-08	2.4055E-07	0.246768	hyper	sig	chr19_7873646
chr3	22372189	22372189	+	3.918E-08	2.4065E-07	0.245427	hyper	sig	chr3_22372189
chr6	1.46E+08	146434567	+	3.918E-08	2.4065E-07	0.265979	hyper	sig	chr6_146434567
chr7	79454850	79454850	+	3.919E-08	2.407E-07	0.207268	hyper	sig	chr7_79454850
chr5	26669120	26669120	+	3.92E-08	2.4073E-07	-0.20011	hypo	sig	chr5_26669120
chr19	55377717	55377717	+	3.921E-08	2.4081E-07	0.212635	hyper	sig	chr19_55377717
chr3	1.56E+08	156099783	+	3.922E-08	2.4084E-07	-0.22291	hypo	sig	chr3_156099783
chr10	1.33E+08	133310352	+	3.924E-08	2.41E-07	-0.25991	hypo	sig	chr10_133310352
chr5	1.41E+08	140796867	+	3.93E-08	2.4135E-07	0.25115	hyper	sig	chr5_140796867
chr10	1.01E+08	101140482	+	3.932E-08	2.4146E-07	0.280849	hyper	sig	chr10_101140482
chr8	41665464	41665464	+	3.933E-08	2.415E-07	-0.20365	hypo	sig	chr8_41665464
chr10	1.11E+08	111078292	+	3.933E-08	2.4152E-07	0.227156	hyper	sig	chr10_111078292
chr6	43285673	43285673	+	3.933E-08	2.4152E-07	0.248626	hyper	sig	chr6_43285673
chr6	50817592	50817592	+	3.934E-08	2.4157E-07	0.213528	hyper	sig	chr6_50817592
chr16	3180851	3180851	+	3.935E-08	2.4162E-07	0.223913	hyper	sig	chr16_3180851
chr14	74348613	74348613	+	3.937E-08	2.4175E-07	0.202391	hyper	sig	chr14_74348613
chr11	45667632	45667632	+	3.943E-08	2.4208E-07	-0.24656	hypo	sig	chr11_45667632
chr3	1.47E+08	147412039	+	3.943E-08	2.4208E-07	0.246118	hyper	sig	chr3_147412039
chr5	1.73E+08	173245547	+	3.943E-08	2.4208E-07	0.215388	hyper	sig	chr5_173245547
chr2	868421	868421	+	3.946E-08	2.4224E-07	0.205357	hyper	sig	chr2_868421
chr8	68760169	68760169	+	3.947E-08	2.423E-07	-0.21161	hypo	sig	chr8_68760169
chr16	31224385	31224385	+	3.948E-08	2.4236E-07	0.225515	hyper	sig	chr16_31224385
chr3	32593020	32593020	+	3.95E-08	2.425E-07	0.253028	hyper	sig	chr3_32593020
chr16	89563012	89563012	+	3.952E-08	2.4259E-07	-0.24717	hypo	sig	chr16_89563012
chr11	64972158	64972158	+	3.954E-08	2.4273E-07	0.259698	hyper	sig	chr11_64972158
chr9	1.37E+08	136846181	+	3.96E-08	2.4307E-07	0.251941	hyper	sig	chr9_136846181
chr1	1143550	1143550	+	3.961E-08	2.4312E-07	-0.24013	hypo	sig	chr1_1143550
chr12	1.22E+08	122054835	+	3.961E-08	2.4312E-07	0.219931	hyper	sig	chr12_122054835

chr16	85445274	85445274	+	3.961E-08	2.4313E-07	-0.22439	hypo	sig	chr16_85445274
chr14	74299548	74299548	+	3.971E-08	2.437E-07	-0.21745	hypo	sig	chr14_74299548
chr15	36877519	36877519	+	3.973E-08	2.4383E-07	-0.21788	hypo	sig	chr15_36877519
chr13	1.13E+08	113417559	+	3.974E-08	2.439E-07	-0.23924	hypo	sig	chr13_113417559
chr19	3821230	3821230	+	3.976E-08	2.4397E-07	-0.27993	hypo	sig	chr19_3821230
chr12	62191798	62191798	+	3.982E-08	2.4433E-07	0.204795	hyper	sig	chr12_62191798
chr3	1.28E+08	128492178	+	3.983E-08	2.4438E-07	0.208104	hyper	sig	chr3_128492178
chr19	15181769	15181769	+	3.983E-08	2.4441E-07	-0.23226	hypo	sig	chr19_15181769
chr3	1.26E+08	125756251	+	3.988E-08	2.4467E-07	-0.21968	hypo	sig	chr3_125756251
chr5	93578298	93578298	+	3.989E-08	2.4474E-07	-0.2079	hypo	sig	chr5_93578298
chr21	45456511	45456511	+	3.995E-08	2.4507E-07	-0.21087	hypo	sig	chr21_45456511
chr6	43285724	43285724	+	3.996E-08	2.4514E-07	0.249958	hyper	sig	chr6_43285724
chr1	1.83E+08	182952716	+	3.999E-08	2.4533E-07	0.241309	hyper	sig	chr1_182952716
chr6	1.68E+08	168496881	+	4E-08	2.4537E-07	0.244485	hyper	sig	chr6_168496881
chr3	47009252	47009252	+	4.002E-08	2.4548E-07	0.270699	hyper	sig	chr3_47009252
chr16	88102857	88102857	+	4.003E-08	2.4557E-07	-0.24703	hypo	sig	chr16_88102857
chr20	62216617	62216617	+	4.004E-08	2.456E-07	-0.26042	hypo	sig	chr20_62216617
chr5	73230958	73230958	+	4.006E-08	2.4573E-07	0.208019	hyper	sig	chr5_73230958
chr4	1039000	1039000	+	4.008E-08	2.4584E-07	-0.23337	hypo	sig	chr4_1039000
chr5	1.77E+08	176619522	+	4.011E-08	2.4603E-07	0.226011	hyper	sig	chr5_176619522
chr3	13205362	13205362	+	4.023E-08	2.4674E-07	-0.20342	hypo	sig	chr3_13205362
chr5	1.41E+08	140861912	+	4.023E-08	2.4675E-07	0.204219	hyper	sig	chr5_140861912
chr3	42266027	42266027	+	4.027E-08	2.4694E-07	0.241833	hyper	sig	chr3_42266027
chr1	2.26E+08	226127225	+	4.028E-08	2.4699E-07	-0.24223	hypo	sig	chr1_226127225
chr18	46676291	46676291	+	4.034E-08	2.4735E-07	-0.26636	hypo	sig	chr18_46676291
chr19	44757776	44757776	+	4.035E-08	2.4741E-07	0.245997	hyper	sig	chr19_44757776
chr2	1.06E+08	106065436	+	4.035E-08	2.4741E-07	0.231315	hyper	sig	chr2_106065436
chr12	49295255	49295255	+	4.036E-08	2.4748E-07	0.217294	hyper	sig	chr12_49295255
chr7	87935397	87935397	+	4.037E-08	2.4757E-07	0.223863	hyper	sig	chr7_87935397
chr14	64541988	64541988	+	4.04E-08	2.4771E-07	0.201993	hyper	sig	chr14_64541988
chr17	77320284	77320284	+	4.042E-08	2.4785E-07	0.238458	hyper	sig	chr17_77320284
chr3	68931289	68931289	+	4.043E-08	2.4787E-07	0.225162	hyper	sig	chr3_68931289
chr7	27122628	27122628	+	4.049E-08	2.4825E-07	-0.21874	hypo	sig	chr7_27122628
chr11	2271640	2271640	+	4.051E-08	2.4838E-07	0.222969	hyper	sig	chr11_2271640
chr19	58357638	58357638	+	4.053E-08	2.4846E-07	0.205653	hyper	sig	chr19_58357638
chr9	1.34E+08	133950901	+	4.062E-08	2.4902E-07	0.241814	hyper	sig	chr9_133950901
chr21	44391604	44391604	+	4.063E-08	2.4908E-07	0.240039	hyper	sig	chr21_44391604
chr14	91285772	91285772	+	4.07E-08	2.4948E-07	0.213275	hyper	sig	chr14_91285772
chr11	2188771	2188771	+	4.07E-08	2.4948E-07	-0.2031	hypo	sig	chr11_2188771
chr6	32761650	32761650	+	4.07E-08	2.4949E-07	0.248474	hyper	sig	chr6_32761650
chr2	26942640	26942640	+	4.074E-08	2.4968E-07	0.235101	hyper	sig	chr2_26942640
chr3	1.29E+08	129045994	+	4.078E-08	2.4995E-07	0.251233	hyper	sig	chr3_129045994
chr16	67667384	67667384	+	4.087E-08	2.5046E-07	0.205483	hyper	sig	chr16_67667384
chr6	1624766	1624766	+	4.089E-08	2.5056E-07	0.236419	hyper	sig	chr6_1624766
chr11	30016286	30016286	+	4.091E-08	2.507E-07	0.22337	hyper	sig	chr11_30016286
chr11	75428442	75428442	+	4.095E-08	2.509E-07	0.20373	hyper	sig	chr11_75428442
chr2	1.76E+08	176071859	+	4.095E-08	2.5094E-07	0.243087	hyper	sig	chr2_176071859
chr12	1.32E+08	132426490	+	4.098E-08	2.511E-07	-0.26999	hypo	sig	chr12_132426490
chr2	36597191	36597191	+	4.1E-08	2.5124E-07	-0.20721	hypo	sig	chr2_36597191
chr19	3821272	3821272	+	4.1E-08	2.5124E-07	-0.25013	hypo	sig	chr19_3821272
chr17	6552001	6552001	+	4.102E-08	2.5136E-07	-0.23695	hypo	sig	chr17_6552001
chr16	149415	149415	+	4.103E-08	2.5141E-07	-0.20168	hypo	sig	chr16_149415
chr12	6996092	6996092	+	4.107E-08	2.5164E-07	-0.2046	hypo	sig	chr12_6996092
chr13	51786080	51786080	+	4.116E-08	2.5218E-07	0.212654	hyper	sig	chr13_51786080
chr16	1027530	1027530	+	4.124E-08	2.5263E-07	-0.20353	hypo	sig	chr16_1027530
chr1	39500465	39500465	+	4.133E-08	2.5312E-07	-0.21888	hypo	sig	chr1_39500465

chr5	67166752	67166752	+	4.136E-08	2.5332E-07	-0.25364	hypo	sig	chr5_67166752
chr16	23695324	23695324	+	4.142E-08	2.5365E-07	0.220539	hyper	sig	chr16_23695324
chr7	35454960	35454960	+	4.144E-08	2.5381E-07	0.260948	hyper	sig	chr7_35454960
chr17	77543846	77543846	+	4.145E-08	2.5382E-07	-0.20315	hypo	sig	chr17_77543846
chr6	1.68E+08	167664253	+	4.145E-08	2.5384E-07	-0.23143	hypo	sig	chr6_167664253
chr19	18233493	18233493	+	4.146E-08	2.5391E-07	0.270439	hyper	sig	chr19_18233493
chr11	1040328	1040328	+	4.147E-08	2.5395E-07	-0.22052	hypo	sig	chr11_1040328
chr5	1.78E+08	177995838	+	4.149E-08	2.5406E-07	-0.24539	hypo	sig	chr5_177995838
chr17	511909	511909	+	4.152E-08	2.5428E-07	0.216076	hyper	sig	chr17_511909
chr9	1.31E+08	131035631	+	4.155E-08	2.544E-07	-0.20697	hypo	sig	chr9_131035631
chr13	1.12E+08	111970333	+	4.156E-08	2.5448E-07	-0.20587	hypo	sig	chr13_111970333
chr7	43445274	43445274	+	4.162E-08	2.548E-07	-0.20574	hypo	sig	chr7_43445274
chr7	1.59E+08	158974471	+	4.165E-08	2.5498E-07	-0.22864	hypo	sig	chr7_158974471
chr4	6329558	6329558	+	4.169E-08	2.5522E-07	-0.20026	hypo	sig	chr4_6329558
chr9	1.3E+08	129752242	+	4.17E-08	2.5527E-07	-0.21053	hypo	sig	chr9_129752242
chr6	33193559	33193559	+	4.171E-08	2.5532E-07	0.203895	hyper	sig	chr6_33193559
chr13	49218706	49218706	+	4.176E-08	2.5562E-07	0.223288	hyper	sig	chr13_49218706
chr10	1153219	1153219	+	4.179E-08	2.5579E-07	-0.25171	hypo	sig	chr10_1153219
chr8	67952350	67952350	+	4.181E-08	2.5592E-07	0.239672	hyper	sig	chr8_67952350
chr5	76954647	76954647	+	4.188E-08	2.5636E-07	0.241333	hyper	sig	chr5_76954647
chr9	974781	974781	+	4.192E-08	2.5654E-07	0.346645	hyper	sig	chr9_974781
chr7	73424274	73424274	+	4.193E-08	2.5662E-07	0.221707	hyper	sig	chr7_73424274
chr16	31224377	31224377	+	4.196E-08	2.5681E-07	0.217146	hyper	sig	chr16_31224377
chr5	1.78E+08	177604345	+	4.198E-08	2.569E-07	-0.23334	hypo	sig	chr5_177604345
chr17	81528382	81528382	+	4.211E-08	2.5766E-07	-0.26376	hypo	sig	chr17_81528382
chr8	1.45E+08	144530520	+	4.211E-08	2.5766E-07	0.21149	hyper	sig	chr8_144530520
chr19	49030052	49030052	+	4.216E-08	2.5797E-07	-0.23099	hypo	sig	chr19_49030052
chr11	281612	281612	+	4.222E-08	2.5829E-07	0.237861	hyper	sig	chr11_281612
chr19	45915796	45915796	+	4.222E-08	2.583E-07	-0.2219	hypo	sig	chr19_45915796
chr17	80002894	80002894	+	4.228E-08	2.5866E-07	-0.23091	hypo	sig	chr17_80002894
chr7	97733289	97733289	+	4.229E-08	2.5869E-07	0.20002	hyper	sig	chr7_97733289
chr5	1.41E+08	140835678	+	4.229E-08	2.5871E-07	0.214257	hyper	sig	chr5_140835678
chr3	1.43E+08	143121443	+	4.23E-08	2.5875E-07	0.206712	hyper	sig	chr3_143121443
chr19	35040493	35040493	+	4.231E-08	2.5883E-07	0.223027	hyper	sig	chr19_35040493
chr1	2014998	2014998	+	4.233E-08	2.5891E-07	-0.2389	hypo	sig	chr1_2014998
chr11	75432956	75432956	+	4.234E-08	2.5901E-07	0.234648	hyper	sig	chr11_75432956
chr13	46437880	46437880	+	4.236E-08	2.591E-07	-0.21516	hypo	sig	chr13_46437880
chr7	1.57E+08	156608242	+	4.237E-08	2.5917E-07	0.21121	hyper	sig	chr7_156608242
chr12	85279451	85279451	+	4.239E-08	2.5926E-07	0.231509	hyper	sig	chr12_85279451
chr8	46954498	46954498	+	4.243E-08	2.5952E-07	-0.20397	hypo	sig	chr8_46954498
chr12	1.27E+08	127280737	+	4.245E-08	2.596E-07	0.204341	hyper	sig	chr12_127280737
chr11	1648645	1648645	+	4.248E-08	2.5977E-07	-0.21476	hypo	sig	chr11_1648645
chr8	98939559	98939559	+	4.248E-08	2.5978E-07	0.201578	hyper	sig	chr8_98939559
chr19	56837873	56837873	+	4.252E-08	2.6001E-07	0.261584	hyper	sig	chr19_56837873
chr8	1510454	1510454	+	4.254E-08	2.6014E-07	-0.22018	hypo	sig	chr8_1510454
chr20	49910117	49910117	+	4.255E-08	2.6019E-07	-0.2327	hypo	sig	chr20_49910117
chr3	13204609	13204609	+	4.257E-08	2.6033E-07	0.261905	hyper	sig	chr3_13204609
chr15	40072518	40072518	+	4.263E-08	2.6066E-07	-0.22425	hypo	sig	chr15_40072518
chr2	20242392	20242392	+	4.27E-08	2.6105E-07	0.21532	hyper	sig	chr2_20242392
chr7	4822466	4822466	+	4.277E-08	2.6145E-07	-0.2031	hypo	sig	chr7_4822466
chr10	1.33E+08	133083025	+	4.283E-08	2.6183E-07	0.228824	hyper	sig	chr10_133083025
chr12	54019294	54019294	+	4.285E-08	2.6192E-07	0.238618	hyper	sig	chr12_54019294
chr1	3162707	3162707	+	4.286E-08	2.62E-07	0.268767	hyper	sig	chr1_3162707
chr2	72925551	72925551	+	4.287E-08	2.6206E-07	0.207206	hyper	sig	chr2_72925551
chr1	3173411	3173411	+	4.29E-08	2.6221E-07	-0.22081	hypo	sig	chr1_3173411
chr5	79689707	79689707	+	4.306E-08	2.6315E-07	0.295618	hyper	sig	chr5_79689707

chr1	1.57E+08	156816825	+	4.306E-08	2.6317E-07	-0.22362	hypo	sig	chr1_156816825
chr16	830916	830916	+	4.309E-08	2.6332E-07	-0.20726	hypo	sig	chr16_830916
chr7	1567660	1567660	+	4.312E-08	2.635E-07	-0.20115	hypo	sig	chr7_1567660
chr15	74893675	74893675	+	4.325E-08	2.6426E-07	-0.23086	hypo	sig	chr15_74893675
chr7	189395	189395	+	4.326E-08	2.643E-07	-0.22112	hypo	sig	chr7_189395
chr3	13654291	13654291	+	4.336E-08	2.649E-07	-0.32198	hypo	sig	chr3_13654291
chr3	1.7E+08	169666240	+	4.344E-08	2.6537E-07	0.282407	hyper	sig	chr3_169666240
chr1	10650151	10650151	+	4.344E-08	2.6538E-07	0.237435	hyper	sig	chr1_10650151
chr11	86195238	86195238	+	4.345E-08	2.6544E-07	-0.20322	hypo	sig	chr11_86195238
chr1	57422357	57422357	+	4.345E-08	2.6544E-07	0.246424	hyper	sig	chr1_57422357
chr8	6805926	6805926	+	4.35E-08	2.6567E-07	-0.22278	hypo	sig	chr8_6805926
chr19	39264250	39264250	+	4.351E-08	2.6573E-07	0.242627	hyper	sig	chr19_39264250
chr13	25288300	25288300	+	4.354E-08	2.659E-07	-0.20718	hypo	sig	chr13_25288300
chr18	48408165	48408165	+	4.354E-08	2.6591E-07	0.236867	hyper	sig	chr18_48408165
chr20	3750130	3750130	+	4.356E-08	2.6601E-07	0.259908	hyper	sig	chr20_3750130
chr3	44580918	44580918	+	4.359E-08	2.6619E-07	0.209298	hyper	sig	chr3_44580918
chr12	4810490	4810490	+	4.359E-08	2.6621E-07	0.245093	hyper	sig	chr12_4810490
chr19	41090517	41090517	+	4.359E-08	2.6621E-07	0.206078	hyper	sig	chr19_41090517
chr12	55727703	55727703	+	4.36E-08	2.6626E-07	0.202638	hyper	sig	chr12_55727703
chr19	45914746	45914746	+	4.363E-08	2.6641E-07	-0.21217	hypo	sig	chr19_45914746
chr3	1.28E+08	128463046	+	4.365E-08	2.6656E-07	-0.22165	hypo	sig	chr3_128463046
chr2	42811259	42811259	+	4.373E-08	2.6699E-07	0.208088	hyper	sig	chr2_42811259
chr21	45294598	45294598	+	4.378E-08	2.6729E-07	0.211469	hyper	sig	chr21_45294598
chr3	26624324	26624324	+	4.379E-08	2.6737E-07	0.200264	hyper	sig	chr3_26624324
chr14	69268955	69268955	+	4.381E-08	2.6744E-07	-0.21359	hypo	sig	chr14_69268955
chr15	35079379	35079379	+	4.382E-08	2.6751E-07	-0.22573	hypo	sig	chr15_35079379
chr2	1.09E+08	109130338	+	4.383E-08	2.6757E-07	0.225686	hyper	sig	chr2_109130338
chr2	2.33E+08	232890961	+	4.385E-08	2.677E-07	0.226246	hyper	sig	chr2_232890961
chr19	3583637	3583637	+	4.388E-08	2.6788E-07	-0.22082	hypo	sig	chr19_3583637
chr5	1.8E+08	179519840	+	4.397E-08	2.6841E-07	-0.20826	hypo	sig	chr5_179519840
chr16	88470842	88470842	+	4.398E-08	2.6844E-07	-0.21916	hypo	sig	chr16_88470842
chr7	2703430	2703430	+	4.399E-08	2.6851E-07	-0.20833	hypo	sig	chr7_2703430
chr5	1727821	1727821	+	4.409E-08	2.6907E-07	-0.21645	hypo	sig	chr5_1727821
chr5	1243834	1243834	+	4.413E-08	2.6929E-07	0.217603	hyper	sig	chr5_1243834
chr5	1.42E+08	142015882	+	4.413E-08	2.6931E-07	-0.21949	hypo	sig	chr5_142015882
chr5	5887278	5887278	+	4.418E-08	2.6962E-07	0.201686	hyper	sig	chr5_5887278
chr10	45419240	45419240	+	4.419E-08	2.6964E-07	0.218573	hyper	sig	chr10_45419240
chr1	1.52E+08	151838991	+	4.426E-08	2.7006E-07	0.242173	hyper	sig	chr1_151838991
chr8	1.45E+08	144714322	+	4.427E-08	2.7014E-07	0.217898	hyper	sig	chr8_144714322
chr7	1073471	1073471	+	4.428E-08	2.7016E-07	0.210808	hyper	sig	chr7_1073471
chr12	57736540	57736540	+	4.434E-08	2.7054E-07	0.226918	hyper	sig	chr12_57736540
chr5	1.75E+08	174732721	+	4.439E-08	2.708E-07	0.213996	hyper	sig	chr5_174732721
chr3	1.43E+08	143121247	+	4.439E-08	2.7085E-07	0.214616	hyper	sig	chr3_143121247
chr12	1.32E+08	132259643	+	4.444E-08	2.7109E-07	-0.20125	hypo	sig	chr12_132259643
chr10	92572795	92572795	+	4.451E-08	2.715E-07	-0.20765	hypo	sig	chr10_92572795
chr6	10384855	10384855	+	4.454E-08	2.717E-07	0.222472	hyper	sig	chr6_10384855
chr14	1.05E+08	104608865	+	4.455E-08	2.7173E-07	-0.25753	hypo	sig	chr14_104608865
chr11	67055382	67055382	+	4.457E-08	2.7189E-07	-0.21885	hypo	sig	chr11_67055382
chr18	79434663	79434663	+	4.464E-08	2.7226E-07	-0.21964	hypo	sig	chr18_79434663
chr1	2470200	2470200	+	4.465E-08	2.7234E-07	-0.20196	hypo	sig	chr1_2470200
chr1	1.19E+08	118989968	+	4.471E-08	2.7266E-07	0.23496	hyper	sig	chr1_118989968
chr10	52778545	52778545	+	4.473E-08	2.7278E-07	0.254641	hyper	sig	chr10_52778545
chr11	63909222	63909222	+	4.479E-08	2.7316E-07	0.210441	hyper	sig	chr11_63909222
chr5	1.79E+08	178940569	+	4.485E-08	2.735E-07	0.206081	hyper	sig	chr5_178940569
chr19	56837847	56837847	+	4.497E-08	2.7419E-07	0.251253	hyper	sig	chr19_56837847
chr2	85765632	85765632	+	4.498E-08	2.7427E-07	-0.22603	hypo	sig	chr2_85765632

chr7	1.55E+08	155084325	+	4.502E-08	2.7445E-07	-0.26987	hypo	sig	chr7_155084325
chr10	413773	413773	+	4.508E-08	2.7485E-07	-0.22502	hypo	sig	chr10_413773
chr6	32761647	32761647	+	4.517E-08	2.7536E-07	0.248886	hyper	sig	chr6_32761647
chr13	20946223	20946223	+	4.518E-08	2.7538E-07	0.220356	hyper	sig	chr13_20946223
chr13	20134890	20134890	+	4.519E-08	2.7549E-07	-0.26068	hypo	sig	chr13_20134890
chr6	33081766	33081766	+	4.532E-08	2.7621E-07	-0.20395	hypo	sig	chr6_33081766
chr2	2.37E+08	236507695	+	4.539E-08	2.7662E-07	0.222849	hyper	sig	chr2_236507695
chr5	1.41E+08	140830320	+	4.54E-08	2.7666E-07	0.224995	hyper	sig	chr5_140830320
chr2	98932686	98932686	+	4.545E-08	2.7699E-07	-0.24238	hypo	sig	chr2_98932686
chr9	41124467	41124467	+	4.546E-08	2.7703E-07	0.247678	hyper	sig	chr9_41124467
chr7	1.43E+08	143384321	+	4.547E-08	2.7708E-07	0.250743	hyper	sig	chr7_143384321
chr1	12047555	12047555	+	4.55E-08	2.7724E-07	-0.2249	hypo	sig	chr1_12047555
chr7	1.02E+08	102300689	+	4.555E-08	2.7753E-07	0.249748	hyper	sig	chr7_102300689
chr1	44220410	44220410	+	4.558E-08	2.7773E-07	0.207947	hyper	sig	chr1_44220410
chr7	1.01E+08	101094672	+	4.56E-08	2.7779E-07	-0.23643	hypo	sig	chr7_101094672
chr9	1.34E+08	134165508	+	4.56E-08	2.7782E-07	0.200122	hyper	sig	chr9_134165508
chr1	99005822	99005822	+	4.566E-08	2.7814E-07	0.230525	hyper	sig	chr1_99005822
chr6	1.17E+08	116565010	+	4.566E-08	2.7817E-07	0.259274	hyper	sig	chr6_116565010
chr19	1254148	1254148	+	4.566E-08	2.7817E-07	0.226647	hyper	sig	chr19_1254148
chr11	1461141	1461141	+	4.567E-08	2.7821E-07	0.268653	hyper	sig	chr11_1461141
chr17	79836167	79836167	+	4.576E-08	2.7878E-07	-0.22005	hypo	sig	chr17_79836167
chr2	2.18E+08	218368851	+	4.587E-08	2.794E-07	0.208261	hyper	sig	chr2_218368851
chr11	1.29E+08	128689369	+	4.587E-08	2.7941E-07	0.254105	hyper	sig	chr11_128689369
chr7	1.59E+08	159027004	+	4.589E-08	2.7948E-07	-0.21154	hypo	sig	chr7_159027004
chr12	1821100	1821100	+	4.597E-08	2.7996E-07	-0.24548	hypo	sig	chr12_1821100
chr1	54503223	54503223	+	4.6E-08	2.8015E-07	-0.22818	hypo	sig	chr1_54503223
chr3	1.29E+08	129046614	+	4.614E-08	2.8097E-07	0.219172	hyper	sig	chr3_129046614
chr19	19549834	19549834	+	4.619E-08	2.8127E-07	-0.27611	hypo	sig	chr19_19549834
chr11	44957336	44957336	+	4.625E-08	2.8158E-07	0.249328	hyper	sig	chr11_44957336
chr3	9844625	9844625	+	4.653E-08	2.8326E-07	-0.21248	hypo	sig	chr3_9844625
chr2	96116250	96116250	+	4.655E-08	2.8334E-07	0.224927	hyper	sig	chr2_96116250
chr13	27975703	27975703	+	4.656E-08	2.8344E-07	0.24265	hyper	sig	chr13_27975703
chr5	1.59E+08	159096457	+	4.656E-08	2.8344E-07	0.205778	hyper	sig	chr5_159096457
chr6	1.7E+08	170280341	+	4.665E-08	2.8395E-07	-0.21195	hypo	sig	chr6_170280341
chr1	1171999	1171999	+	4.682E-08	2.8491E-07	-0.21705	hypo	sig	chr1_1171999
chr1	3077430	3077430	+	4.682E-08	2.8496E-07	-0.25638	hypo	sig	chr1_3077430
chr3	1.81E+08	180601770	+	4.683E-08	2.8499E-07	0.221486	hyper	sig	chr3_180601770
chr7	56174543	56174543	+	4.685E-08	2.8508E-07	0.209665	hyper	sig	chr7_56174543
chr9	1.36E+08	136440299	+	4.687E-08	2.8522E-07	0.208791	hyper	sig	chr9_136440299
chr4	7250851	7250851	+	4.69E-08	2.8537E-07	0.208176	hyper	sig	chr4_7250851
chr3	49019770	49019770	+	4.699E-08	2.8593E-07	-0.20175	hypo	sig	chr3_49019770
chr6	1.13E+08	113222113	+	4.701E-08	2.8601E-07	-0.20386	hypo	sig	chr6_113222113
chr9	1.24E+08	124015332	+	4.704E-08	2.8624E-07	0.227883	hyper	sig	chr9_124015332
chr14	99522342	99522342	+	4.706E-08	2.8636E-07	0.252394	hyper	sig	chr14_99522342
chr1	61043685	61043685	+	4.713E-08	2.8672E-07	0.213808	hyper	sig	chr1_61043685
chr7	64736602	64736602	+	4.716E-08	2.869E-07	-0.24181	hypo	sig	chr7_64736602
chr7	71737666	71737666	+	4.721E-08	2.8723E-07	-0.26291	hypo	sig	chr7_71737666
chr7	1.58E+08	157726598	+	4.723E-08	2.8735E-07	-0.26434	hypo	sig	chr7_157726598
chr1	39680921	39680921	+	4.725E-08	2.8745E-07	-0.23412	hypo	sig	chr1_39680921
chr14	1.01E+08	100826722	+	4.733E-08	2.8789E-07	0.203012	hyper	sig	chr14_100826722
chr2	1.68E+08	167715964	+	4.741E-08	2.8835E-07	-0.23186	hypo	sig	chr2_167715964
chr11	43582257	43582257	+	4.743E-08	2.8846E-07	0.216811	hyper	sig	chr11_43582257
chr13	1.13E+08	113141820	+	4.755E-08	2.8916E-07	-0.20564	hypo	sig	chr13_113141820
chr17	81422672	81422672	+	4.756E-08	2.8924E-07	-0.20521	hypo	sig	chr17_81422672
chr20	22576886	22576886	+	4.76E-08	2.8947E-07	0.218411	hyper	sig	chr20_22576886
chr17	40209834	40209834	+	4.765E-08	2.8977E-07	0.200632	hyper	sig	chr17_40209834

chr12	1.03E+08	102824640	+	4.77E-08	2.9007E-07	0.26229	hyper	sig	chr12_102824640
chr7	1.28E+08	127589200	+	4.773E-08	2.9021E-07	0.225453	hyper	sig	chr7_127589200
chr6	32761676	32761676	+	4.774E-08	2.9029E-07	0.250356	hyper	sig	chr6_32761676
chr1	26410850	26410850	+	4.776E-08	2.9038E-07	0.210806	hyper	sig	chr1_26410850
chr1	16238156	16238156	+	4.778E-08	2.9052E-07	-0.22352	hypo	sig	chr1_16238156
chr5	1.77E+08	176549435	+	4.781E-08	2.9068E-07	-0.20049	hypo	sig	chr5_176549435
chr2	91748226	91748226	+	4.782E-08	2.907E-07	-0.20665	hypo	sig	chr2_91748226
chr7	1244403	1244403	+	4.787E-08	2.9104E-07	0.213086	hyper	sig	chr7_1244403
chr15	99928904	99928904	+	4.79E-08	2.912E-07	-0.20112	hypo	sig	chr15_99928904
chr19	45901441	45901441	+	4.791E-08	2.9125E-07	0.256515	hyper	sig	chr19_45901441
chr11	3645041	3645041	+	4.792E-08	2.9128E-07	-0.25219	hypo	sig	chr11_3645041
chr7	1.56E+08	155576739	+	4.792E-08	2.9128E-07	-0.22095	hypo	sig	chr7_155576739
chr1	9010068	9010068	+	4.795E-08	2.9145E-07	-0.21219	hypo	sig	chr1_9010068
chr2	1591728	1591728	+	4.798E-08	2.9161E-07	0.23112	hyper	sig	chr2_1591728
chr1	3037894	3037894	+	4.813E-08	2.9252E-07	-0.20501	hypo	sig	chr1_3037894
chr16	1247763	1247763	+	4.824E-08	2.9314E-07	-0.218	hypo	sig	chr16_1247763
chr12	1.26E+08	125861240	+	4.835E-08	2.938E-07	-0.22683	hypo	sig	chr12_125861240
chr11	69776670	69776670	+	4.841E-08	2.9411E-07	-0.21005	hypo	sig	chr11_69776670
chr9	1.37E+08	136527690	+	4.847E-08	2.9447E-07	-0.22533	hypo	sig	chr9_136527690
chr9	96219255	96219255	+	4.848E-08	2.9451E-07	-0.23676	hypo	sig	chr9_96219255
chr7	1248606	1248606	+	4.851E-08	2.9471E-07	0.241151	hyper	sig	chr7_1248606
chr20	3238297	3238297	+	4.857E-08	2.9505E-07	0.202717	hyper	sig	chr20_3238297
chr11	30016337	30016337	+	4.858E-08	2.9509E-07	0.25949	hyper	sig	chr11_30016337
chr7	1.58E+08	157876327	+	4.858E-08	2.951E-07	-0.20573	hypo	sig	chr7_157876327
chr1	10779464	10779464	+	4.86E-08	2.9521E-07	-0.20371	hypo	sig	chr1_10779464
chr1	27522836	27522836	+	4.862E-08	2.9531E-07	0.225486	hyper	sig	chr1_27522836
chr5	1.81E+08	181109246	+	4.871E-08	2.9584E-07	-0.20067	hypo	sig	chr5_181109246
chr17	81400624	81400624	+	4.877E-08	2.9621E-07	0.204457	hyper	sig	chr17_81400624
chr5	1.78E+08	178335427	+	4.879E-08	2.9629E-07	-0.23515	hypo	sig	chr5_178335427
chr10	31134386	31134386	+	4.885E-08	2.9665E-07	0.201586	hyper	sig	chr10_31134386
chr10	1.32E+08	132125179	+	4.888E-08	2.9683E-07	-0.22253	hypo	sig	chr10_132125179
chr16	86740897	86740897	+	4.889E-08	2.9686E-07	-0.20319	hypo	sig	chr16_86740897
chr6	36998426	36998426	+	4.903E-08	2.9768E-07	0.233557	hyper	sig	chr6_36998426
chr1	3550275	3550275	+	4.906E-08	2.9787E-07	-0.21314	hypo	sig	chr1_3550275
chr17	19411082	19411082	+	4.911E-08	2.9815E-07	0.266746	hyper	sig	chr17_19411082
chr11	1040305	1040305	+	4.912E-08	2.9821E-07	-0.21449	hypo	sig	chr11_1040305
chr19	53884219	53884219	+	4.919E-08	2.986E-07	0.231675	hyper	sig	chr19_53884219
chr7	1.28E+08	128168404	+	4.919E-08	2.9862E-07	0.206422	hyper	sig	chr7_128168404
chr4	80201539	80201539	+	4.92E-08	2.9868E-07	0.229708	hyper	sig	chr4_80201539
chr17	38490203	38490203	+	4.924E-08	2.9889E-07	-0.22517	hypo	sig	chr17_38490203
chr9	1.36E+08	136250165	+	4.932E-08	2.9935E-07	0.226964	hyper	sig	chr9_136250165
chr6	6002518	6002518	+	4.934E-08	2.9947E-07	0.272764	hyper	sig	chr6_6002518
chr12	1.32E+08	132426837	+	4.943E-08	2.9999E-07	-0.20297	hypo	sig	chr12_132426837
chr8	11704231	11704231	+	4.944E-08	3.0008E-07	0.208309	hyper	sig	chr8_11704231
chr11	49102582	49102582	+	4.947E-08	3.0022E-07	-0.24133	hypo	sig	chr11_49102582
chr17	65549531	65549531	+	4.948E-08	3.0027E-07	-0.23851	hypo	sig	chr17_65549531
chr5	1.5E+08	150209563	+	4.948E-08	3.0029E-07	-0.23413	hypo	sig	chr5_150209563
chr11	69437082	69437082	+	4.956E-08	3.0073E-07	-0.20715	hypo	sig	chr11_69437082
chr12	54047001	54047001	+	4.96E-08	3.0098E-07	0.233808	hyper	sig	chr12_54047001
chr11	75242403	75242403	+	4.971E-08	3.0163E-07	0.232047	hyper	sig	chr11_75242403
chr20	58841773	58841773	+	4.976E-08	3.0191E-07	0.211007	hyper	sig	chr20_58841773
chr16	30122003	30122003	+	4.977E-08	3.0196E-07	0.226407	hyper	sig	chr16_30122003
chr11	70661703	70661703	+	4.981E-08	3.0221E-07	0.228571	hyper	sig	chr11_70661703
chr6	1.12E+08	112367131	+	4.99E-08	3.0273E-07	0.229022	hyper	sig	chr6_112367131
chr2	2.42E+08	241552604	+	4.991E-08	3.0276E-07	-0.21278	hypo	sig	chr2_241552604
chr22	21652983	21652983	+	4.994E-08	3.0293E-07	0.207717	hyper	sig	chr22_21652983

chr8	2008982	2008982	+	4.997E-08	3.0309E-07	-0.20471	hypo	sig	chr8_2008982
chr22	29385790	29385790	+	4.998E-08	3.0315E-07	-0.20189	hypo	sig	chr22_29385790
chr12	53335875	53335875	+	5.004E-08	3.0349E-07	-0.22729	hypo	sig	chr12_53335875
chr10	1.33E+08	132907377	+	5.006E-08	3.0362E-07	-0.21294	hypo	sig	chr10_132907377
chr14	1.05E+08	104926838	+	5.007E-08	3.0365E-07	-0.22422	hypo	sig	chr14_104926838
chr16	563610	563610	+	5.008E-08	3.037E-07	-0.20132	hypo	sig	chr16_563610
chr19	12758209	12758209	+	5.008E-08	3.0373E-07	0.234994	hyper	sig	chr19_12758209
chr12	189038	189038	+	5.008E-08	3.0373E-07	0.228915	hyper	sig	chr12_189038
chr1	1.61E+08	161201789	+	5.009E-08	3.0379E-07	0.206564	hyper	sig	chr1_161201789
chr13	43785664	43785664	+	5.012E-08	3.0396E-07	0.200136	hyper	sig	chr13_43785664
chr16	3722789	3722789	+	5.018E-08	3.0429E-07	-0.27363	hypo	sig	chr16_3722789
chr2	1.24E+08	123686714	+	5.027E-08	3.0482E-07	-0.23096	hypo	sig	chr2_123686714
chr17	77540985	77540985	+	5.029E-08	3.0493E-07	-0.20837	hypo	sig	chr17_77540985
chr2	1.19E+08	118845749	+	5.035E-08	3.0529E-07	0.230897	hyper	sig	chr2_118845749
chr17	81412628	81412628	+	5.036E-08	3.0536E-07	-0.20043	hypo	sig	chr17_81412628
chr20	45097729	45097729	+	5.036E-08	3.0537E-07	0.217786	hyper	sig	chr20_45097729
chr5	1.79E+08	178577208	+	5.037E-08	3.0542E-07	0.218914	hyper	sig	chr5_178577208
chr10	1.33E+08	133040032	+	5.038E-08	3.0546E-07	-0.22329	hypo	sig	chr10_133040032
chr13	22848739	22848739	+	5.041E-08	3.056E-07	-0.20402	hypo	sig	chr13_22848739
chr17	1180681	1180681	+	5.042E-08	3.0566E-07	0.229633	hyper	sig	chr17_1180681
chr10	6211962	6211962	+	5.045E-08	3.0585E-07	0.255971	hyper	sig	chr10_6211962
chr7	2526883	2526883	+	5.049E-08	3.0606E-07	-0.20497	hypo	sig	chr7_2526883
chr2	66446194	66446194	+	5.054E-08	3.0638E-07	0.248604	hyper	sig	chr2_66446194
chr2	1.6E+08	160396862	+	5.057E-08	3.0652E-07	-0.27726	hypo	sig	chr2_160396862
chr1	17826091	17826091	+	5.058E-08	3.0657E-07	-0.22423	hypo	sig	chr1_17826091
chr8	4994869	4994869	+	5.059E-08	3.0664E-07	0.22738	hyper	sig	chr8_4994869
chr15	45116601	45116601	+	5.06E-08	3.067E-07	0.210949	hyper	sig	chr15_45116601
chr16	775480	775480	+	5.069E-08	3.0722E-07	-0.22708	hypo	sig	chr16_775480
chr2	1.71E+08	170813938	+	5.079E-08	3.0779E-07	0.204131	hyper	sig	chr2_170813938
chr11	60647126	60647126	+	5.084E-08	3.0809E-07	0.211806	hyper	sig	chr11_60647126
chr13	1.12E+08	112327834	+	5.086E-08	3.082E-07	-0.23109	hypo	sig	chr13_112327834
chr3	37993979	37993979	+	5.089E-08	3.0834E-07	0.216754	hyper	sig	chr3_37993979
chr2	2.08E+08	207681759	+	5.096E-08	3.0876E-07	0.209872	hyper	sig	chr2_207681759
chr1	1627322	1627322	+	5.099E-08	3.0892E-07	-0.21814	hypo	sig	chr1_1627322
chr11	1.3E+08	130331531	+	5.099E-08	3.0896E-07	-0.23847	hypo	sig	chr11_130331531
chr12	1.31E+08	131096081	+	5.101E-08	3.0904E-07	0.201862	hyper	sig	chr12_131096081
chr20	64085177	64085177	+	5.101E-08	3.0906E-07	0.200171	hyper	sig	chr20_64085177
chr16	66949007	66949007	+	5.101E-08	3.0906E-07	0.228409	hyper	sig	chr16_66949007
chr14	28758723	28758723	+	5.102E-08	3.0913E-07	0.216443	hyper	sig	chr14_28758723
chr22	37330721	37330721	+	5.109E-08	3.0953E-07	-0.25916	hypo	sig	chr22_37330721
chr18	5196343	5196343	+	5.117E-08	3.1001E-07	0.234511	hyper	sig	chr18_5196343
chr20	64064308	64064308	+	5.118E-08	3.1002E-07	0.20454	hyper	sig	chr20_64064308
chr13	1.08E+08	108494971	+	5.14E-08	3.1134E-07	0.230829	hyper	sig	chr13_108494971
chr8	4991484	4991484	+	5.142E-08	3.1145E-07	0.200634	hyper	sig	chr8_4991484
chr17	82243098	82243098	+	5.148E-08	3.1181E-07	0.229939	hyper	sig	chr17_82243098
chr1	1.56E+08	156077338	+	5.166E-08	3.128E-07	0.220351	hyper	sig	chr1_156077338
chr5	1.77E+08	177383803	+	5.18E-08	3.1365E-07	-0.31343	hypo	sig	chr5_177383803
chr17	78903585	78903585	+	5.197E-08	3.146E-07	-0.2197	hypo	sig	chr17_78903585
chr11	65945651	65945651	+	5.198E-08	3.1464E-07	0.236719	hyper	sig	chr11_65945651
chr19	45472903	45472903	+	5.204E-08	3.1501E-07	0.202634	hyper	sig	chr19_45472903
chr2	1.76E+08	176160912	+	5.207E-08	3.1521E-07	0.206869	hyper	sig	chr2_176160912
chr12	49955741	49955741	+	5.214E-08	3.156E-07	0.232862	hyper	sig	chr12_49955741
chr11	18412247	18412247	+	5.216E-08	3.1568E-07	0.22232	hyper	sig	chr11_18412247
chr16	24255626	24255626	+	5.217E-08	3.1574E-07	0.230548	hyper	sig	chr16_24255626
chr11	2301744	2301744	+	5.219E-08	3.1588E-07	-0.23074	hypo	sig	chr11_2301744
chr16	87687526	87687526	+	5.224E-08	3.1616E-07	-0.20538	hypo	sig	chr16_87687526

chr2	626797	626797	+	5.239E-08	3.1705E-07	-0.204	hypo	sig	chr2_626797
chr9	1.35E+08	134770996	+	5.243E-08	3.1725E-07	-0.20441	hypo	sig	chr9_134770996
chr4	1.44E+08	143912026	+	5.259E-08	3.1817E-07	0.205191	hyper	sig	chr4_143912026
chr13	1.14E+08	114054387	+	5.264E-08	3.1843E-07	-0.24457	hypo	sig	chr13_114054387
chr1	1.19E+08	118984840	+	5.266E-08	3.1858E-07	0.209513	hyper	sig	chr1_118984840
chr17	82321095	82321095	+	5.268E-08	3.1868E-07	-0.20275	hypo	sig	chr17_82321095
chr2	94998575	94998575	+	5.269E-08	3.187E-07	0.214037	hyper	sig	chr2_94998575
chr1	39922626	39922626	+	5.277E-08	3.1918E-07	0.211006	hyper	sig	chr1_39922626
chr1	1.8E+08	179747596	+	5.281E-08	3.1936E-07	-0.23283	hypo	sig	chr1_179747596
chr2	96116198	96116198	+	5.283E-08	3.1948E-07	0.239363	hyper	sig	chr2_96116198
chr17	44558575	44558575	+	5.289E-08	3.1981E-07	0.24094	hyper	sig	chr17_44558575
chr2	1.2E+08	120216544	+	5.289E-08	3.1983E-07	-0.25488	hypo	sig	chr2_120216544
chr5	1748948	1748948	+	5.291E-08	3.1995E-07	-0.21102	hypo	sig	chr5_1748948
chr1	16648090	16648090	+	5.292E-08	3.2E-07	0.202351	hyper	sig	chr1_16648090
chr11	1.13E+08	113275060	+	5.295E-08	3.2016E-07	-0.23466	hypo	sig	chr11_113275060
chr5	1.74E+08	173628021	+	5.295E-08	3.2016E-07	0.231429	hyper	sig	chr5_173628021
chr19	38869666	38869666	+	5.301E-08	3.205E-07	0.231558	hyper	sig	chr19_38869666
chr4	5890549	5890549	+	5.308E-08	3.2091E-07	0.216772	hyper	sig	chr4_5890549
chr8	23705977	23705977	+	5.309E-08	3.2096E-07	0.276071	hyper	sig	chr8_23705977
chr1	37557178	37557178	+	5.31E-08	3.21E-07	0.223718	hyper	sig	chr1_37557178
chr16	1311805	1311805	+	5.313E-08	3.212E-07	0.204161	hyper	sig	chr16_1311805
chr19	40811919	40811919	+	5.316E-08	3.2135E-07	0.210491	hyper	sig	chr19_40811919
chr8	1.41E+08	141235500	+	5.322E-08	3.217E-07	-0.27297	hypo	sig	chr8_141235500
chr16	8860165	8860165	+	5.323E-08	3.2177E-07	0.215979	hyper	sig	chr16_8860165
chr6	28616175	28616175	+	5.325E-08	3.2191E-07	0.209196	hyper	sig	chr6_28616175
chr3	50191482	50191482	+	5.326E-08	3.2196E-07	-0.21691	hypo	sig	chr3_50191482
chr18	5196346	5196346	+	5.331E-08	3.2225E-07	0.240137	hyper	sig	chr18_5196346
chr10	1.01E+08	100735236	+	5.339E-08	3.227E-07	0.218076	hyper	sig	chr10_100735236
chr15	92393169	92393169	+	5.345E-08	3.2301E-07	0.250649	hyper	sig	chr15_92393169
chr12	1.25E+08	125136967	+	5.357E-08	3.2373E-07	0.208224	hyper	sig	chr12_125136967
chr1	3285294	3285294	+	5.359E-08	3.2384E-07	-0.24826	hypo	sig	chr1_3285294
chr4	48484418	48484418	+	5.36E-08	3.239E-07	0.250166	hyper	sig	chr4_48484418
chr10	1.34E+08	133574518	+	5.363E-08	3.2406E-07	-0.23952	hypo	sig	chr10_133574518
chr4	41359794	41359794	+	5.364E-08	3.2412E-07	-0.20355	hypo	sig	chr4_41359794
chr3	1.98E+08	197655849	+	5.367E-08	3.243E-07	-0.20287	hypo	sig	chr3_197655849
chr7	1.4E+08	139523314	+	5.37E-08	3.2445E-07	0.214717	hyper	sig	chr7_139523314
chr2	38074680	38074680	+	5.379E-08	3.2499E-07	0.21542	hyper	sig	chr2_38074680
chr19	2310359	2310359	+	5.384E-08	3.2525E-07	-0.24642	hypo	sig	chr19_2310359
chr17	17725364	17725364	+	5.384E-08	3.2526E-07	0.208559	hyper	sig	chr17_17725364
chr13	1.01E+08	101415413	+	5.386E-08	3.2538E-07	-0.22742	hypo	sig	chr13_101415413
chr12	1.11E+08	111032963	+	5.387E-08	3.2543E-07	0.230484	hyper	sig	chr12_111032963
chr7	35259053	35259053	+	5.397E-08	3.2603E-07	0.211883	hyper	sig	chr7_35259053
chr16	23836682	23836682	+	5.404E-08	3.2639E-07	0.200593	hyper	sig	chr16_23836682
chr16	74724957	74724957	+	5.408E-08	3.2662E-07	0.231999	hyper	sig	chr16_74724957
chr8	46617846	46617846	+	5.411E-08	3.2681E-07	0.239873	hyper	sig	chr8_46617846
chr19	5046632	5046632	+	5.414E-08	3.2701E-07	-0.2294	hypo	sig	chr19_5046632
chr5	88695521	88695521	+	5.415E-08	3.2707E-07	0.200191	hyper	sig	chr5_88695521
chr12	1.32E+08	132323010	+	5.417E-08	3.2716E-07	0.282617	hyper	sig	chr12_132323010
chr8	24956549	24956549	+	5.419E-08	3.2729E-07	0.242832	hyper	sig	chr8_24956549
chr16	86570888	86570888	+	5.421E-08	3.2738E-07	0.231825	hyper	sig	chr16_86570888
chr10	52771949	52771949	+	5.422E-08	3.2745E-07	-0.20564	hypo	sig	chr10_52771949
chr8	1479309	1479309	+	5.431E-08	3.2795E-07	0.236976	hyper	sig	chr8_1479309
chr12	1.14E+08	114414451	+	5.432E-08	3.2801E-07	0.261916	hyper	sig	chr12_114414451
chr17	7739886	7739886	+	5.432E-08	3.2804E-07	-0.21111	hypo	sig	chr17_7739886
chr18	78838022	78838022	+	5.435E-08	3.2818E-07	0.213265	hyper	sig	chr18_78838022
chr9	61669669	61669669	+	5.446E-08	3.2882E-07	-0.20264	hypo	sig	chr9_61669669

chr5	1.8E+08	180126899	+	5.446E-08	3.2883E-07	-0.2182	hypo	sig	chr5_180126899
chr10	1.23E+08	123133521	+	5.451E-08	3.2911E-07	0.216097	hyper	sig	chr10_123133521
chr2	1.82E+08	181678192	+	5.452E-08	3.2917E-07	0.234491	hyper	sig	chr2_181678192
chr16	85833630	85833630	+	5.455E-08	3.2937E-07	0.21036	hyper	sig	chr16_85833630
chr14	36659485	36659485	+	5.457E-08	3.2943E-07	0.21519	hyper	sig	chr14_36659485
chr2	2.19E+08	218871760	+	5.457E-08	3.2948E-07	0.231387	hyper	sig	chr2_218871760
chr10	1.04E+08	103573249	+	5.461E-08	3.2968E-07	-0.25118	hypo	sig	chr10_103573249
chr7	1.28E+08	127589203	+	5.467E-08	3.3007E-07	0.229077	hyper	sig	chr7_127589203
chr2	2.32E+08	232352825	+	5.47E-08	3.3019E-07	0.213356	hyper	sig	chr2_232352825
chr21	45409975	45409975	+	5.476E-08	3.3055E-07	-0.23029	hypo	sig	chr21_45409975
chr10	95711073	95711073	+	5.476E-08	3.3056E-07	-0.21067	hypo	sig	chr10_95711073
chr1	1.55E+08	154869471	+	5.494E-08	3.3161E-07	0.215663	hyper	sig	chr1_154869471
chr9	1.31E+08	130679950	+	5.496E-08	3.3168E-07	-0.22423	hypo	sig	chr9_130679950
chr1	2.1E+08	210293205	+	5.496E-08	3.3172E-07	0.251972	hyper	sig	chr1_210293205
chr5	1.4E+08	139677907	+	5.5E-08	3.3193E-07	0.206738	hyper	sig	chr5_139677907
chr1	46493125	46493125	+	5.503E-08	3.3213E-07	0.244721	hyper	sig	chr1_46493125
chr5	1.41E+08	140862632	+	5.505E-08	3.3219E-07	0.224183	hyper	sig	chr5_140862632
chr2	20013368	20013368	+	5.506E-08	3.3226E-07	-0.21851	hypo	sig	chr2_20013368
chr20	21103835	21103835	+	5.507E-08	3.3235E-07	0.221908	hyper	sig	chr20_21103835
chr11	1.19E+08	118971880	+	5.509E-08	3.3241E-07	0.273808	hyper	sig	chr11_118971880
chr11	66857879	66857879	+	5.51E-08	3.325E-07	-0.20074	hypo	sig	chr11_66857879
chr15	76341673	76341673	+	5.521E-08	3.3311E-07	-0.21416	hypo	sig	chr15_76341673
chr10	45199190	45199190	+	5.527E-08	3.3349E-07	0.205761	hyper	sig	chr10_45199190
chr6	1394883	1394883	+	5.529E-08	3.3358E-07	0.209082	hyper	sig	chr6_1394883
chr17	63941958	63941958	+	5.53E-08	3.3364E-07	-0.24174	hypo	sig	chr17_63941958
chr11	18412256	18412256	+	5.53E-08	3.3365E-07	0.217889	hyper	sig	chr11_18412256
chr8	21756995	21756995	+	5.544E-08	3.3446E-07	0.200969	hyper	sig	chr8_21756995
chr9	1.22E+08	121771646	+	5.549E-08	3.3474E-07	0.216744	hyper	sig	chr9_121771646
chr17	49496210	49496210	+	5.557E-08	3.3524E-07	0.247126	hyper	sig	chr17_49496210
chr12	1.17E+08	117032744	+	5.559E-08	3.3532E-07	0.205871	hyper	sig	chr12_117032744
chr16	88110364	88110364	+	5.564E-08	3.3562E-07	0.205199	hyper	sig	chr16_88110364
chr19	10963667	10963667	+	5.565E-08	3.3567E-07	-0.22257	hypo	sig	chr19_10963667
chr5	143081	143081	+	5.571E-08	3.3599E-07	-0.21366	hypo	sig	chr5_143081
chr19	2889168	2889168	+	5.582E-08	3.3662E-07	-0.20559	hypo	sig	chr19_2889168
chr12	1.33E+08	132559127	+	5.589E-08	3.3706E-07	-0.20168	hypo	sig	chr12_132559127
chr19	3825632	3825632	+	5.59E-08	3.3713E-07	-0.20986	hypo	sig	chr19_3825632
chr19	41926786	41926786	+	5.592E-08	3.3721E-07	0.277789	hyper	sig	chr19_41926786
chr12	47307216	47307216	+	5.598E-08	3.376E-07	-0.22378	hypo	sig	chr12_47307216
chr17	42784453	42784453	+	5.6E-08	3.377E-07	0.201432	hyper	sig	chr17_42784453
chr7	73993783	73993783	+	5.604E-08	3.3791E-07	-0.21108	hypo	sig	chr7_73993783
chr11	63762941	63762941	+	5.609E-08	3.3821E-07	0.211375	hyper	sig	chr11_63762941
chr11	2909255	2909255	+	5.618E-08	3.387E-07	0.233302	hyper	sig	chr11_2909255
chr1	2.27E+08	226946048	+	5.622E-08	3.3895E-07	-0.21339	hypo	sig	chr1_226946048
chr16	68447632	68447632	+	5.622E-08	3.3895E-07	0.250805	hyper	sig	chr16_68447632
chr11	1881877	1881877	+	5.624E-08	3.3906E-07	-0.20798	hypo	sig	chr11_1881877
chr17	74927845	74927845	+	5.628E-08	3.3928E-07	-0.2213	hypo	sig	chr17_74927845
chr2	11618715	11618715	+	5.633E-08	3.3954E-07	-0.20656	hypo	sig	chr2_11618715
chr17	49964222	49964222	+	5.634E-08	3.396E-07	0.222476	hyper	sig	chr17_49964222
chr5	1.41E+08	140788350	+	5.635E-08	3.3968E-07	0.216796	hyper	sig	chr5_140788350
chr7	55449216	55449216	+	5.636E-08	3.3974E-07	0.237438	hyper	sig	chr7_55449216
chr2	2.42E+08	242028051	+	5.642E-08	3.4006E-07	-0.21179	hypo	sig	chr2_242028051
chr1	11654177	11654177	+	5.653E-08	3.4071E-07	0.210145	hyper	sig	chr1_11654177
chr8	1.4E+08	139958973	+	5.654E-08	3.4075E-07	-0.23719	hypo	sig	chr8_139958973
chr2	2.42E+08	241804001	+	5.654E-08	3.4079E-07	0.200058	hyper	sig	chr2_241804001
chr12	34338251	34338251	+	5.663E-08	3.4126E-07	-0.24872	hypo	sig	chr12_34338251
chr13	1.14E+08	114010825	+	5.666E-08	3.4147E-07	-0.20902	hypo	sig	chr13_114010825

chr17	32487886	32487886	+	5.67E-08	3.4167E-07	0.229368	hyper	sig	chr17_32487886
chr17	74114245	74114245	+	5.671E-08	3.4175E-07	0.233082	hyper	sig	chr17_74114245
chr5	1.79E+08	179261339	+	5.678E-08	3.421E-07	-0.2053	hypo	sig	chr5_179261339
chr14	36584484	36584484	+	5.686E-08	3.426E-07	0.201437	hyper	sig	chr14_36584484
chr1	63074276	63074276	+	5.697E-08	3.4323E-07	0.275955	hyper	sig	chr1_63074276
chr3	96777081	96777081	+	5.704E-08	3.4364E-07	0.203835	hyper	sig	chr3_96777081
chr8	1.42E+08	141622391	+	5.711E-08	3.4404E-07	-0.25461	hypo	sig	chr8_141622391
chr7	1.54E+08	154305518	+	5.712E-08	3.4407E-07	0.20751	hyper	sig	chr7_154305518
chr5	1.73E+08	173233769	+	5.712E-08	3.4408E-07	0.200405	hyper	sig	chr5_173233769
chr17	47847589	47847589	+	5.712E-08	3.441E-07	0.206124	hyper	sig	chr17_47847589
chr2	1.28E+08	127645754	+	5.713E-08	3.4413E-07	0.206922	hyper	sig	chr2_127645754
chr16	67885023	67885023	+	5.714E-08	3.4422E-07	0.241395	hyper	sig	chr16_67885023
chr3	1.95E+08	194572549	+	5.719E-08	3.4446E-07	-0.21146	hypo	sig	chr3_194572549
chr16	84933898	84933898	+	5.728E-08	3.4501E-07	-0.22348	hypo	sig	chr16_84933898
chr20	62216655	62216655	+	5.73E-08	3.4509E-07	-0.21267	hypo	sig	chr20_62216655
chr16	46428896	46428896	+	5.738E-08	3.4559E-07	0.204738	hyper	sig	chr16_46428896
chr1	3366143	3366143	+	5.739E-08	3.456E-07	0.208803	hyper	sig	chr1_3366143
chr10	70694173	70694173	+	5.745E-08	3.4597E-07	0.208582	hyper	sig	chr10_70694173
chr1	1425596	1425596	+	5.751E-08	3.4629E-07	0.210693	hyper	sig	chr1_1425596
chr2	94871823	94871823	+	5.754E-08	3.4648E-07	0.223982	hyper	sig	chr2_94871823
chr12	1.08E+08	107581548	+	5.77E-08	3.4741E-07	0.223815	hyper	sig	chr12_107581548
chr7	32071450	32071450	+	5.776E-08	3.4776E-07	0.231195	hyper	sig	chr7_32071450
chr8	1.43E+08	142503161	+	5.78E-08	3.4798E-07	-0.20851	hypo	sig	chr8_142503161
chr13	99997819	99997819	+	5.786E-08	3.4829E-07	0.214802	hyper	sig	chr13_99997819
chr16	1764220	1764220	+	5.786E-08	3.483E-07	0.204388	hyper	sig	chr16_1764220
chr19	35296343	35296343	+	5.786E-08	3.4833E-07	-0.23351	hypo	sig	chr19_35296343
chr4	1.55E+08	154742770	+	5.795E-08	3.4884E-07	0.203975	hyper	sig	chr4_154742770
chr9	97077433	97077433	+	5.796E-08	3.489E-07	0.202687	hyper	sig	chr9_97077433
chr7	1.58E+08	157819362	+	5.808E-08	3.4959E-07	0.200792	hyper	sig	chr7_157819362
chr2	2.39E+08	239498975	+	5.813E-08	3.4984E-07	-0.20489	hypo	sig	chr2_239498975
chr1	92481521	92481521	+	5.816E-08	3.5002E-07	0.242085	hyper	sig	chr1_92481521
chr5	69415879	69415879	+	5.817E-08	3.5006E-07	-0.22899	hypo	sig	chr5_69415879
chr5	50663898	50663898	+	5.82E-08	3.5028E-07	-0.20781	hypo	sig	chr5_50663898
chr16	85574397	85574397	+	5.825E-08	3.5053E-07	0.207021	hyper	sig	chr16_85574397
chr2	2.33E+08	233051855	+	5.827E-08	3.5063E-07	0.272257	hyper	sig	chr2_233051855
chr19	56393973	56393973	+	5.833E-08	3.5102E-07	0.208535	hyper	sig	chr19_56393973
chr1	1430849	1430849	+	5.836E-08	3.5115E-07	0.240009	hyper	sig	chr1_1430849
chr6	44274473	44274473	+	5.838E-08	3.5127E-07	-0.21509	hypo	sig	chr6_44274473
chr9	1.37E+08	137321794	+	5.839E-08	3.5133E-07	-0.21857	hypo	sig	chr9_137321794
chr11	1.34E+08	133788118	+	5.842E-08	3.515E-07	0.205454	hyper	sig	chr11_133788118
chr1	3012110	3012110	+	5.848E-08	3.5183E-07	0.229878	hyper	sig	chr1_3012110
chr12	1.03E+08	102824909	+	5.85E-08	3.5193E-07	0.227281	hyper	sig	chr12_102824909
chr5	1.41E+08	141235868	+	5.861E-08	3.5259E-07	0.202972	hyper	sig	chr5_141235868
chr13	98173738	98173738	+	5.876E-08	3.5348E-07	0.20351	hyper	sig	chr13_98173738
chr20	61903091	61903091	+	5.879E-08	3.5365E-07	-0.28966	hypo	sig	chr20_61903091
chr1	3244394	3244394	+	5.885E-08	3.5399E-07	0.227579	hyper	sig	chr1_3244394
chr1	6455766	6455766	+	5.89E-08	3.5425E-07	0.216988	hyper	sig	chr1_6455766
chr21	44990703	44990703	+	5.895E-08	3.5456E-07	-0.20749	hypo	sig	chr21_44990703
chr11	72437919	72437919	+	5.896E-08	3.5457E-07	-0.20142	hypo	sig	chr11_72437919
chr1	1.1E+08	110068226	+	5.902E-08	3.5493E-07	0.2154	hyper	sig	chr1_110068226
chr5	1.41E+08	140823092	+	5.908E-08	3.5527E-07	0.207201	hyper	sig	chr5_140823092
chr7	3950864	3950864	+	5.916E-08	3.5574E-07	-0.21994	hypo	sig	chr7_3950864
chr6	1620701	1620701	+	5.921E-08	3.5606E-07	0.252027	hyper	sig	chr6_1620701
chr1	3227072	3227072	+	5.922E-08	3.5612E-07	0.227451	hyper	sig	chr1_3227072
chr9	1.34E+08	133979502	+	5.926E-08	3.5635E-07	0.246241	hyper	sig	chr9_133979502
chr7	73831650	73831650	+	5.944E-08	3.5735E-07	-0.20999	hypo	sig	chr7_73831650

chr11	1.17E+08	116580911	+	5.95E-08	3.5774E-07	0.214014	hyper	sig	chr11_116580911
chr17	14295114	14295114	+	5.959E-08	3.5822E-07	0.239967	hyper	sig	chr17_14295114
chr11	64870667	64870667	+	5.961E-08	3.5836E-07	0.224608	hyper	sig	chr11_64870667
chr2	42492761	42492761	+	5.968E-08	3.5874E-07	0.258367	hyper	sig	chr2_42492761
chr9	1.31E+08	131264549	+	5.969E-08	3.5882E-07	-0.21173	hypo	sig	chr9_131264549
chr2	19351622	19351622	+	5.972E-08	3.5896E-07	0.240879	hyper	sig	chr2_19351622
chr17	81403862	81403862	+	5.979E-08	3.5938E-07	0.215709	hyper	sig	chr17_81403862
chr10	79240026	79240026	+	5.983E-08	3.5962E-07	0.214051	hyper	sig	chr10_79240026
chr1	29478792	29478792	+	5.988E-08	3.5985E-07	0.209255	hyper	sig	chr1_29478792
chr19	52536440	52536440	+	5.99E-08	3.5999E-07	0.236156	hyper	sig	chr19_52536440
chr1	16139001	16139001	+	5.991E-08	3.6003E-07	-0.26605	hypo	sig	chr1_16139001
chr12	75208134	75208134	+	5.998E-08	3.6046E-07	0.241371	hyper	sig	chr12_75208134
chr22	31098721	31098721	+	6.006E-08	3.6093E-07	0.225107	hyper	sig	chr22_31098721
chr14	64541395	64541395	+	6.007E-08	3.6099E-07	0.204979	hyper	sig	chr14_64541395
chr2	1.76E+08	176152932	+	6.007E-08	3.61E-07	-0.21205	hypo	sig	chr2_176152932
chr1	1.57E+08	156849195	+	6.008E-08	3.6101E-07	0.24465	hyper	sig	chr1_156849195
chr7	1.59E+08	158999729	+	6.01E-08	3.6113E-07	-0.23265	hypo	sig	chr7_158999729
chr1	2.1E+08	209937870	+	6.022E-08	3.6185E-07	0.216253	hyper	sig	chr1_209937870
chr7	1.59E+08	158974480	+	6.024E-08	3.6195E-07	-0.22872	hypo	sig	chr7_158974480
chr11	1.19E+08	118971893	+	6.046E-08	3.632E-07	0.234454	hyper	sig	chr11_118971893
chr9	1.34E+08	134058079	+	6.047E-08	3.6328E-07	0.271892	hyper	sig	chr9_134058079
chr7	4837186	4837186	+	6.05E-08	3.6344E-07	-0.20075	hypo	sig	chr7_4837186
chr4	93834683	93834683	+	6.05E-08	3.6346E-07	0.227337	hyper	sig	chr4_93834683
chr10	71316960	71316960	+	6.053E-08	3.636E-07	-0.20236	hypo	sig	chr10_71316960
chr12	1.32E+08	132174948	+	6.059E-08	3.6395E-07	-0.21785	hypo	sig	chr12_132174948
chr7	1.5E+08	149765719	+	6.06E-08	3.6403E-07	0.226605	hyper	sig	chr7_149765719
chr19	2576239	2576239	+	6.062E-08	3.6414E-07	-0.21729	hypo	sig	chr19_2576239
chr20	46059143	46059143	+	6.063E-08	3.6415E-07	0.233188	hyper	sig	chr20_46059143
chr19	856102	856102	+	6.065E-08	3.6432E-07	-0.20556	hypo	sig	chr19_856102
chr19	12195745	12195745	+	6.07E-08	3.6457E-07	0.234993	hyper	sig	chr19_12195745
chr2	2.33E+08	233061174	+	6.074E-08	3.6481E-07	-0.27291	hypo	sig	chr2_233061174
chr19	52453927	52453927	+	6.086E-08	3.6547E-07	0.243297	hyper	sig	chr19_52453927
chr12	1.31E+08	131434953	+	6.09E-08	3.6569E-07	-0.30054	hypo	sig	chr12_131434953
chr15	1.01E+08	100974026	+	6.096E-08	3.6608E-07	0.238836	hyper	sig	chr15_100974026
chr14	76131527	76131527	+	6.099E-08	3.6621E-07	0.238156	hyper	sig	chr14_76131527
chr3	14810170	14810170	+	6.107E-08	3.667E-07	0.252549	hyper	sig	chr3_14810170
chr19	49862068	49862068	+	6.117E-08	3.6731E-07	0.220303	hyper	sig	chr19_49862068
chr2	1.63E+08	163348258	+	6.12E-08	3.6747E-07	0.23871	hyper	sig	chr2_163348258
chr10	1.33E+08	133459850	+	6.124E-08	3.6765E-07	0.218341	hyper	sig	chr10_133459850
chr1	1.1E+08	110151639	+	6.124E-08	3.6766E-07	0.212298	hyper	sig	chr1_110151639
chr20	63696163	63696163	+	6.137E-08	3.684E-07	-0.20209	hypo	sig	chr20_63696163
chr15	22951836	22951836	+	6.139E-08	3.6851E-07	0.21336	hyper	sig	chr15_22951836
chr19	46429051	46429051	+	6.145E-08	3.6885E-07	0.208545	hyper	sig	chr19_46429051
chr19	2292942	2292942	+	6.155E-08	3.6945E-07	-0.24891	hypo	sig	chr19_2292942
chr2	25253114	25253114	+	6.175E-08	3.7057E-07	0.2165	hyper	sig	chr2_25253114
chr1	39515768	39515768	+	6.182E-08	3.7097E-07	0.212964	hyper	sig	chr1_39515768
chr1	16227904	16227904	+	6.184E-08	3.7108E-07	0.226385	hyper	sig	chr1_16227904
chr16	3496768	3496768	+	6.184E-08	3.711E-07	-0.2056	hypo	sig	chr16_3496768
chr5	1.41E+08	140884035	+	6.189E-08	3.7136E-07	0.227535	hyper	sig	chr5_140884035
chr11	63908904	63908904	+	6.191E-08	3.7146E-07	0.207077	hyper	sig	chr11_63908904
chr2	1.75E+08	174717294	+	6.199E-08	3.7194E-07	-0.20723	hypo	sig	chr2_174717294
chr2	72928125	72928125	+	6.201E-08	3.7206E-07	-0.21066	hypo	sig	chr2_72928125
chr16	73063966	73063966	+	6.209E-08	3.7251E-07	-0.23019	hypo	sig	chr16_73063966
chr8	1.45E+08	145007953	+	6.217E-08	3.7296E-07	0.208102	hyper	sig	chr8_145007953
chr22	46085098	46085098	+	6.223E-08	3.7328E-07	-0.21002	hypo	sig	chr22_46085098
chr2	3783090	3783090	+	6.223E-08	3.733E-07	-0.22915	hypo	sig	chr2_3783090

chr5	1.41E+08	141389799	+	6.224E-08	3.7336E-07	0.217168	hyper	sig	chr5_141389799
chr1	90717534	90717534	+	6.226E-08	3.7346E-07	0.237719	hyper	sig	chr1_90717534
chr7	926501	926501	+	6.236E-08	3.7402E-07	-0.21011	hypo	sig	chr7_926501
chr11	1162160	1162160	+	6.239E-08	3.7423E-07	-0.21171	hypo	sig	chr11_1162160
chr14	1.01E+08	100825519	+	6.24E-08	3.7426E-07	0.203909	hyper	sig	chr14_100825519
chr1	21506983	21506983	+	6.261E-08	3.7547E-07	-0.20203	hypo	sig	chr1_21506983
chr7	5484160	5484160	+	6.263E-08	3.7556E-07	-0.21538	hypo	sig	chr7_5484160
chr19	28727253	28727253	+	6.265E-08	3.757E-07	0.242317	hyper	sig	chr19_28727253
chr5	37834929	37834929	+	6.29E-08	3.7712E-07	0.243734	hyper	sig	chr5_37834929
chr16	84239511	84239511	+	6.303E-08	3.779E-07	-0.20991	hypo	sig	chr16_84239511
chr5	1.41E+08	141442107	+	6.312E-08	3.7837E-07	0.211996	hyper	sig	chr5_141442107
chr19	11674535	11674535	+	6.323E-08	3.7904E-07	0.229025	hyper	sig	chr19_11674535
chr19	47480371	47480371	+	6.345E-08	3.8026E-07	0.228976	hyper	sig	chr19_47480371
chr12	1.3E+08	130425178	+	6.35E-08	3.8059E-07	-0.21737	hypo	sig	chr12_130425178
chr7	1.56E+08	155537321	+	6.351E-08	3.8062E-07	-0.25242	hypo	sig	chr7_155537321
chr19	45952952	45952952	+	6.351E-08	3.8063E-07	0.205422	hyper	sig	chr19_45952952
chr7	2527038	2527038	+	6.353E-08	3.8071E-07	-0.20567	hypo	sig	chr7_2527038
chr19	3179932	3179932	+	6.357E-08	3.8094E-07	-0.20414	hypo	sig	chr19_3179932
chr5	1.41E+08	141345529	+	6.36E-08	3.8112E-07	0.220714	hyper	sig	chr5_141345529
chr9	1.36E+08	135700599	+	6.366E-08	3.8148E-07	-0.26845	hypo	sig	chr9_135700599
chr5	1.32E+08	132011111	+	6.367E-08	3.8153E-07	0.239063	hyper	sig	chr5_132011111
chr3	48661185	48661185	+	6.379E-08	3.8223E-07	0.223343	hyper	sig	chr3_48661185
chr19	10339426	10339426	+	6.381E-08	3.823E-07	-0.22582	hypo	sig	chr19_10339426
chr4	1.9E+08	189553262	+	6.386E-08	3.8264E-07	-0.21984	hypo	sig	chr4_189553262
chr1	2175181	2175181	+	6.387E-08	3.8269E-07	0.219373	hyper	sig	chr1_2175181
chr5	1.41E+08	141352242	+	6.396E-08	3.8321E-07	0.201921	hyper	sig	chr5_141352242
chr1	2313178	2313178	+	6.398E-08	3.8331E-07	0.215884	hyper	sig	chr1_2313178
chr8	66178091	66178091	+	6.398E-08	3.8331E-07	0.208884	hyper	sig	chr8_66178091
chr10	1.33E+08	133271936	+	6.399E-08	3.8337E-07	-0.24099	hypo	sig	chr10_133271936
chr3	13933300	13933300	+	6.4E-08	3.8339E-07	0.255985	hyper	sig	chr3_13933300
chr5	37834897	37834897	+	6.403E-08	3.8356E-07	0.262254	hyper	sig	chr5_37834897
chr22	31139995	31139995	+	6.414E-08	3.8423E-07	0.221798	hyper	sig	chr22_31139995
chr17	79048232	79048232	+	6.417E-08	3.8438E-07	-0.22386	hypo	sig	chr17_79048232
chr1	9183716	9183716	+	6.437E-08	3.8554E-07	0.238462	hyper	sig	chr1_9183716
chr5	73230737	73230737	+	6.437E-08	3.8554E-07	0.236402	hyper	sig	chr5_73230737
chr19	56393985	56393985	+	6.442E-08	3.858E-07	0.200826	hyper	sig	chr19_56393985
chr11	44303738	44303738	+	6.443E-08	3.8586E-07	0.220812	hyper	sig	chr11_44303738
chr8	56154994	56154994	+	6.461E-08	3.869E-07	-0.21065	hypo	sig	chr8_56154994
chr19	52536351	52536351	+	6.471E-08	3.8747E-07	0.248134	hyper	sig	chr19_52536351
chr11	1929225	1929225	+	6.483E-08	3.8813E-07	-0.23857	hypo	sig	chr11_1929225
chr3	48196074	48196074	+	6.503E-08	3.8928E-07	-0.24023	hypo	sig	chr3_48196074
chr2	1.19E+08	118842040	+	6.508E-08	3.896E-07	0.219432	hyper	sig	chr2_118842040
chr6	33748429	33748429	+	6.515E-08	3.8996E-07	-0.20016	hypo	sig	chr6_33748429
chr16	49277654	49277654	+	6.517E-08	3.9009E-07	0.2119	hyper	sig	chr16_49277654
chr12	1.32E+08	132192130	+	6.526E-08	3.9058E-07	-0.2477	hypo	sig	chr12_132192130
chr6	28633598	28633598	+	6.537E-08	3.912E-07	0.207156	hyper	sig	chr6_28633598
chr15	23897859	23897859	+	6.547E-08	3.9176E-07	0.200885	hyper	sig	chr15_23897859
chr5	37834948	37834948	+	6.552E-08	3.921E-07	0.219874	hyper	sig	chr5_37834948
chr17	77543768	77543768	+	6.557E-08	3.9235E-07	-0.21816	hypo	sig	chr17_77543768
chr11	45209934	45209934	+	6.565E-08	3.9283E-07	0.303265	hyper	sig	chr11_45209934
chr6	71588719	71588719	+	6.577E-08	3.9351E-07	0.223054	hyper	sig	chr6_71588719
chr11	64711937	64711937	+	6.58E-08	3.9368E-07	0.308347	hyper	sig	chr11_64711937
chr3	33219712	33219712	+	6.582E-08	3.938E-07	-0.23187	hypo	sig	chr3_33219712
chr9	42975047	42975047	+	6.587E-08	3.9408E-07	0.235896	hyper	sig	chr9_42975047
chr12	30201539	30201539	+	6.59E-08	3.9424E-07	0.218119	hyper	sig	chr12_30201539
chr7	42721043	42721043	+	6.594E-08	3.9446E-07	-0.22129	hypo	sig	chr7_42721043

chr2	44943223	44943223	+	6.6E-08	3.9479E-07	0.211843	hyper	sig	chr2_44943223
chr17	79048404	79048404	+	6.604E-08	3.95E-07	-0.21437	hypo	sig	chr17_79048404
chr7	48848047	48848047	+	6.613E-08	3.9551E-07	0.22397	hyper	sig	chr7_48848047
chr15	73754337	73754337	+	6.619E-08	3.9587E-07	-0.20759	hypo	sig	chr15_73754337
chr1	2.04E+08	204377480	+	6.621E-08	3.9599E-07	-0.2917	hypo	sig	chr1_204377480
chr2	1.29E+08	128737192	+	6.628E-08	3.9641E-07	0.256302	hyper	sig	chr2_128737192
chr16	67667445	67667445	+	6.629E-08	3.9646E-07	0.220291	hyper	sig	chr16_67667445
chr11	62575258	62575258	+	6.633E-08	3.9669E-07	0.213015	hyper	sig	chr11_62575258
chr19	40219541	40219541	+	6.633E-08	3.9669E-07	-0.23783	hypo	sig	chr19_40219541
chr19	49165522	49165522	+	6.638E-08	3.9698E-07	0.20304	hyper	sig	chr19_49165522
chr16	62724747	62724747	+	6.645E-08	3.9733E-07	-0.20102	hypo	sig	chr16_62724747
chr16	88497687	88497687	+	6.663E-08	3.9837E-07	0.210757	hyper	sig	chr16_88497687
chr11	14261264	14261264	+	6.671E-08	3.9881E-07	0.225062	hyper	sig	chr11_14261264
chr16	563023	563023	+	6.673E-08	3.9892E-07	-0.28798	hypo	sig	chr16_563023
chr5	1.36E+08	135830778	+	6.688E-08	3.9979E-07	-0.20738	hypo	sig	chr5_135830778
chr15	73321579	73321579	+	6.689E-08	3.9985E-07	-0.22594	hypo	sig	chr15_73321579
chr5	1.79E+08	178987564	+	6.692E-08	4.0001E-07	-0.22237	hypo	sig	chr5_178987564
chr5	77627916	77627916	+	6.693E-08	4.0008E-07	0.259509	hyper	sig	chr5_77627916
chr5	1.8E+08	179794029	+	6.694E-08	4.0015E-07	0.22071	hyper	sig	chr5_179794029
chr3	46812238	46812238	+	6.694E-08	4.0016E-07	0.214229	hyper	sig	chr3_46812238
chr8	1.44E+08	143738550	+	6.694E-08	4.0017E-07	-0.2261	hypo	sig	chr8_143738550
chr1	2318680	2318680	+	6.699E-08	4.0046E-07	0.214675	hyper	sig	chr1_2318680
chr8	38770376	38770376	+	6.701E-08	4.0054E-07	0.254254	hyper	sig	chr8_38770376
chr22	17111095	17111095	+	6.703E-08	4.0067E-07	0.247402	hyper	sig	chr22_17111095
chr16	4563251	4563251	+	6.705E-08	4.0076E-07	-0.21963	hypo	sig	chr16_4563251
chr10	1185228	1185228	+	6.717E-08	4.0141E-07	-0.20408	hypo	sig	chr10_1185228
chr2	11612927	11612927	+	6.724E-08	4.0181E-07	-0.23006	hypo	sig	chr2_11612927
chr1	1913362	1913362	+	6.735E-08	4.0243E-07	-0.20836	hypo	sig	chr1_1913362
chr5	1.75E+08	175443843	+	6.738E-08	4.0263E-07	0.237171	hyper	sig	chr5_175443843
chr2	51780408	51780408	+	6.748E-08	4.032E-07	-0.23514	hypo	sig	chr2_51780408
chr6	28259215	28259215	+	6.749E-08	4.0322E-07	0.220206	hyper	sig	chr6_28259215
chr17	9925421	9925421	+	6.761E-08	4.039E-07	-0.23667	hypo	sig	chr17_9925421
chr5	73299781	73299781	+	6.763E-08	4.0402E-07	0.213771	hyper	sig	chr5_73299781
chr4	1542063	1542063	+	6.772E-08	4.0456E-07	-0.20115	hypo	sig	chr4_1542063
chr13	27424059	27424059	+	6.78E-08	4.0501E-07	0.25101	hyper	sig	chr13_27424059
chr2	73175300	73175300	+	6.78E-08	4.0502E-07	0.223845	hyper	sig	chr2_73175300
chr19	51123951	51123951	+	6.781E-08	4.0505E-07	-0.21423	hypo	sig	chr19_51123951
chr7	39791296	39791296	+	6.781E-08	4.0505E-07	-0.2077	hypo	sig	chr7_39791296
chr17	61454447	61454447	+	6.792E-08	4.0569E-07	0.219491	hyper	sig	chr17_61454447
chr5	1.81E+08	180620407	+	6.794E-08	4.0584E-07	-0.23291	hypo	sig	chr5_180620407
chr1	41383494	41383494	+	6.8E-08	4.0619E-07	0.224063	hyper	sig	chr1_41383494
chr8	1.43E+08	142612912	+	6.804E-08	4.0639E-07	-0.22321	hypo	sig	chr8_142612912
chr3	1.85E+08	184577014	+	6.809E-08	4.0663E-07	0.200232	hyper	sig	chr3_184577014
chr8	90984907	90984907	+	6.813E-08	4.0687E-07	0.286243	hyper	sig	chr8_90984907
chr20	4248540	4248540	+	6.828E-08	4.0774E-07	0.201498	hyper	sig	chr20_4248540
chr16	4679868	4679868	+	6.854E-08	4.0921E-07	-0.23752	hypo	sig	chr16_4679868
chr19	23471072	23471072	+	6.863E-08	4.097E-07	0.241208	hyper	sig	chr19_23471072
chr1	54781420	54781420	+	6.872E-08	4.1025E-07	0.233438	hyper	sig	chr1_54781420
chr17	8087387	8087387	+	6.892E-08	4.1139E-07	-0.21279	hypo	sig	chr17_8087387
chr4	48484768	48484768	+	6.893E-08	4.114E-07	0.21055	hyper	sig	chr4_48484768
chr9	1.29E+08	129487733	+	6.896E-08	4.1158E-07	0.213456	hyper	sig	chr9_129487733
chr1	2473431	2473431	+	6.905E-08	4.1212E-07	-0.23289	hypo	sig	chr1_2473431
chr16	88430908	88430908	+	6.915E-08	4.1271E-07	0.228176	hyper	sig	chr16_88430908
chr5	1.76E+08	176365244	+	6.918E-08	4.1286E-07	0.202059	hyper	sig	chr5_176365244
chr16	65123979	65123979	+	6.922E-08	4.1304E-07	0.20558	hyper	sig	chr16_65123979
chr5	1.78E+08	177951194	+	6.923E-08	4.131E-07	-0.24791	hypo	sig	chr5_177951194

chr1	17215646	17215646	+	6.931E-08	4.1358E-07	-0.2113	hypo	sig	chr1_17215646
chr3	1.96E+08	195849771	+	6.94E-08	4.1409E-07	-0.23625	hypo	sig	chr3_195849771
chr9	1.36E+08	135783204	+	6.943E-08	4.1424E-07	-0.21939	hypo	sig	chr9_135783204
chr18	46560417	46560417	+	6.96E-08	4.1518E-07	-0.24821	hypo	sig	chr18_46560417
chr18	23137101	23137101	+	6.968E-08	4.1568E-07	-0.20451	hypo	sig	chr18_23137101
chr7	1.57E+08	157006142	+	6.973E-08	4.1595E-07	0.26194	hyper	sig	chr7_157006142
chr19	1038204	1038204	+	6.974E-08	4.1599E-07	-0.20579	hypo	sig	chr19_1038204
chr12	453781	453781	+	6.975E-08	4.1604E-07	-0.20917	hypo	sig	chr12_453781
chr10	21499654	21499654	+	6.978E-08	4.1622E-07	-0.20171	hypo	sig	chr10_21499654
chr5	17306282	17306282	+	6.984E-08	4.1659E-07	-0.20465	hypo	sig	chr5_17306282
chr14	1.01E+08	100827113	+	6.991E-08	4.1694E-07	0.218204	hyper	sig	chr14_100827113
chr1	1.56E+08	156388121	+	6.998E-08	4.1734E-07	0.204082	hyper	sig	chr1_156388121
chr1	2504135	2504135	+	6.999E-08	4.1738E-07	0.206099	hyper	sig	chr1_2504135
chr3	14525970	14525970	+	6.999E-08	4.1738E-07	0.201754	hyper	sig	chr3_14525970
chr16	49277522	49277522	+	6.999E-08	4.1741E-07	0.205128	hyper	sig	chr16_49277522
chr12	6778290	6778290	+	7.004E-08	4.1767E-07	0.240302	hyper	sig	chr12_6778290
chr16	3175118	3175118	+	7.015E-08	4.183E-07	0.207025	hyper	sig	chr16_3175118
chr17	18108170	18108170	+	7.019E-08	4.1851E-07	0.204692	hyper	sig	chr17_18108170
chr17	81161251	81161251	+	7.019E-08	4.1852E-07	-0.21917	hypo	sig	chr17_81161251
chr15	78756045	78756045	+	7.023E-08	4.1876E-07	0.2437	hyper	sig	chr15_78756045
chr4	1.23E+08	122826455	+	7.025E-08	4.1885E-07	0.206538	hyper	sig	chr4_122826455
chr11	18412317	18412317	+	7.026E-08	4.1889E-07	0.203014	hyper	sig	chr11_18412317
chr17	32349650	32349650	+	7.029E-08	4.1906E-07	0.225231	hyper	sig	chr17_32349650
chr1	2.3E+08	229865215	+	7.05E-08	4.2028E-07	-0.20859	hypo	sig	chr1_229865215
chr5	1.75E+08	175443846	+	7.051E-08	4.2032E-07	0.227041	hyper	sig	chr5_175443846
chr5	77638522	77638522	+	7.053E-08	4.2047E-07	0.200078	hyper	sig	chr5_77638522
chr21	43758364	43758364	+	7.057E-08	4.207E-07	0.223084	hyper	sig	chr21_43758364
chr7	2980490	2980490	+	7.07E-08	4.2139E-07	-0.23965	hypo	sig	chr7_2980490
chr15	76341168	76341168	+	7.071E-08	4.215E-07	-0.20999	hypo	sig	chr15_76341168
chr16	88558823	88558823	+	7.077E-08	4.2182E-07	-0.23148	hypo	sig	chr16_88558823
chr11	1.08E+08	107908410	+	7.08E-08	4.2198E-07	0.243486	hyper	sig	chr11_107908410
chr1	17671770	17671770	+	7.082E-08	4.2209E-07	0.255365	hyper	sig	chr1_17671770
chr12	1.02E+08	101642597	+	7.09E-08	4.2255E-07	0.217068	hyper	sig	chr12_101642597
chr1	15482376	15482376	+	7.094E-08	4.228E-07	-0.21308	hypo	sig	chr1_15482376
chr3	1.45E+08	145334258	+	7.101E-08	4.2318E-07	-0.25569	hypo	sig	chr3_145334258
chr19	7533507	7533507	+	7.104E-08	4.2332E-07	0.213339	hyper	sig	chr19_7533507
chr1	32275851	32275851	+	7.105E-08	4.2341E-07	0.22641	hyper	sig	chr1_32275851
chr18	57439193	57439193	+	7.106E-08	4.2346E-07	0.228423	hyper	sig	chr18_57439193
chr1	2.11E+08	210683975	+	7.111E-08	4.2371E-07	-0.20359	hypo	sig	chr1_210683975
chr6	30685753	30685753	+	7.138E-08	4.253E-07	0.219899	hyper	sig	chr6_30685753
chr12	1.32E+08	132407660	+	7.145E-08	4.2567E-07	-0.22713	hypo	sig	chr12_132407660
chr19	1009246	1009246	+	7.16E-08	4.2655E-07	0.255376	hyper	sig	chr19_1009246
chr5	77957720	77957720	+	7.166E-08	4.2688E-07	0.264812	hyper	sig	chr5_77957720
chr19	4327167	4327167	+	7.167E-08	4.2695E-07	0.259906	hyper	sig	chr19_4327167
chr5	95621619	95621619	+	7.186E-08	4.2802E-07	-0.21754	hypo	sig	chr5_95621619
chr9	36163577	36163577	+	7.188E-08	4.2813E-07	0.239924	hyper	sig	chr9_36163577
chr17	72116717	72116717	+	7.188E-08	4.2814E-07	0.243325	hyper	sig	chr17_72116717
chr19	42698130	42698130	+	7.2E-08	4.2881E-07	0.254111	hyper	sig	chr19_42698130
chr5	1.73E+08	173245535	+	7.203E-08	4.2895E-07	0.204261	hyper	sig	chr5_173245535
chr11	61008284	61008284	+	7.218E-08	4.2981E-07	0.201016	hyper	sig	chr11_61008284
chr7	45086015	45086015	+	7.241E-08	4.3113E-07	-0.26212	hypo	sig	chr7_45086015
chr19	1302603	1302603	+	7.262E-08	4.3233E-07	0.20506	hyper	sig	chr19_1302603
chr11	1006258	1006258	+	7.267E-08	4.3257E-07	0.263898	hyper	sig	chr11_1006258
chr2	1.3E+08	129723507	+	7.276E-08	4.3314E-07	-0.20472	hypo	sig	chr2_129723507
chr19	52493041	52493041	+	7.291E-08	4.3396E-07	0.226845	hyper	sig	chr19_52493041
chr11	77138055	77138055	+	7.298E-08	4.3436E-07	0.215791	hyper	sig	chr11_77138055

chr1	2.46E+08	245609461	+	7.307E-08	4.349E-07	-0.21892	hypo	sig	chr1_245609461
chr19	5914733	5914733	+	7.323E-08	4.3581E-07	0.231844	hyper	sig	chr19_5914733
chr7	1.3E+08	130491018	+	7.333E-08	4.3638E-07	0.247569	hyper	sig	chr7_130491018
chr19	17682603	17682603	+	7.341E-08	4.3679E-07	-0.24199	hypo	sig	chr19_17682603
chr16	4683146	4683146	+	7.349E-08	4.3725E-07	0.21062	hyper	sig	chr16_4683146
chr5	270356	270356	+	7.351E-08	4.3735E-07	-0.23789	hypo	sig	chr5_270356
chr4	3449020	3449020	+	7.352E-08	4.3743E-07	-0.22467	hypo	sig	chr4_3449020
chr16	85445302	85445302	+	7.367E-08	4.3828E-07	-0.21281	hypo	sig	chr16_85445302
chr1	33051078	33051078	+	7.37E-08	4.3842E-07	0.248175	hyper	sig	chr1_33051078
chr16	85746807	85746807	+	7.373E-08	4.3858E-07	-0.24937	hypo	sig	chr16_85746807
chr12	53218784	53218784	+	7.386E-08	4.3934E-07	0.207964	hyper	sig	chr12_53218784
chr19	12513600	12513600	+	7.389E-08	4.395E-07	0.256669	hyper	sig	chr19_12513600
chr1	3111973	3111973	+	7.398E-08	4.4001E-07	0.219409	hyper	sig	chr1_3111973
chr19	46303947	46303947	+	7.404E-08	4.4029E-07	-0.22455	hypo	sig	chr19_46303947
chr20	62667257	62667257	+	7.405E-08	4.4039E-07	-0.23976	hypo	sig	chr20_62667257
chr12	1.32E+08	132250119	+	7.408E-08	4.4052E-07	-0.22277	hypo	sig	chr12_132250119
chr7	57404893	57404893	+	7.412E-08	4.4079E-07	0.20172	hyper	sig	chr7_57404893
chr12	43551996	43551996	+	7.425E-08	4.4149E-07	0.285447	hyper	sig	chr12_43551996
chr1	11898234	11898234	+	7.426E-08	4.4153E-07	0.268856	hyper	sig	chr1_11898234
chr1	2.28E+08	228417381	+	7.43E-08	4.4176E-07	0.207394	hyper	sig	chr1_228417381
chr15	82676674	82676674	+	7.434E-08	4.4197E-07	-0.25622	hypo	sig	chr15_82676674
chr11	66253936	66253936	+	7.44E-08	4.4234E-07	-0.28164	hypo	sig	chr11_66253936
chr17	40797083	40797083	+	7.441E-08	4.4239E-07	-0.21675	hypo	sig	chr17_40797083
chr14	96593130	96593130	+	7.444E-08	4.4252E-07	0.218929	hyper	sig	chr14_96593130
chr2	602244	602244	+	7.461E-08	4.4354E-07	-0.20061	hypo	sig	chr2_602244
chr17	2061409	2061409	+	7.471E-08	4.4406E-07	0.220123	hyper	sig	chr17_2061409
chr19	3180094	3180094	+	7.472E-08	4.4414E-07	-0.21628	hypo	sig	chr19_3180094
chr10	15314031	15314031	+	7.486E-08	4.4492E-07	0.206847	hyper	sig	chr10_15314031
chr2	2.42E+08	241936460	+	7.49E-08	4.4516E-07	0.245984	hyper	sig	chr2_241936460
chr5	1.54E+08	154480150	+	7.498E-08	4.456E-07	0.210398	hyper	sig	chr5_154480150
chr12	1.13E+08	113103903	+	7.501E-08	4.4579E-07	0.229451	hyper	sig	chr12_113103903
chr19	859330	859330	+	7.507E-08	4.4611E-07	-0.20093	hypo	sig	chr19_859330
chr2	1.12E+08	112187915	+	7.517E-08	4.467E-07	-0.22749	hypo	sig	chr2_112187915
chr11	63763525	63763525	+	7.527E-08	4.4724E-07	0.219097	hyper	sig	chr11_63763525
chr9	41266909	41266909	+	7.529E-08	4.4733E-07	0.219998	hyper	sig	chr9_41266909
chr13	1.11E+08	111492648	+	7.543E-08	4.4812E-07	-0.22452	hypo	sig	chr13_111492648
chr2	479106	479106	+	7.548E-08	4.4844E-07	-0.2139	hypo	sig	chr2_479106
chr1	3391801	3391801	+	7.562E-08	4.4917E-07	0.270288	hyper	sig	chr1_3391801
chr16	88828271	88828271	+	7.569E-08	4.4958E-07	0.202437	hyper	sig	chr16_88828271
chr16	84223184	84223184	+	7.572E-08	4.4977E-07	-0.22499	hypo	sig	chr16_84223184
chr1	2.28E+08	228149723	+	7.584E-08	4.5044E-07	0.269936	hyper	sig	chr1_228149723
chr1	2104826	2104826	+	7.597E-08	4.5116E-07	0.249228	hyper	sig	chr1_2104826
chr16	88470829	88470829	+	7.603E-08	4.5152E-07	-0.24559	hypo	sig	chr16_88470829
chr5	1.32E+08	132270700	+	7.61E-08	4.5189E-07	0.22466	hyper	sig	chr5_132270700
chr19	8592691	8592691	+	7.644E-08	4.5383E-07	0.222853	hyper	sig	chr19_8592691
chr3	1.38E+08	138114879	+	7.654E-08	4.5434E-07	0.215789	hyper	sig	chr3_138114879
chr14	89701285	89701285	+	7.654E-08	4.5439E-07	-0.22707	hypo	sig	chr14_89701285
chr19	4523766	4523766	+	7.687E-08	4.5627E-07	-0.24473	hypo	sig	chr19_4523766
chr11	65585129	65585129	+	7.696E-08	4.5675E-07	0.200443	hyper	sig	chr11_65585129
chr9	1.37E+08	137148302	+	7.699E-08	4.5694E-07	0.276992	hyper	sig	chr9_137148302
chr6	41633863	41633863	+	7.702E-08	4.5712E-07	-0.20046	hypo	sig	chr6_41633863
chr5	76954660	76954660	+	7.709E-08	4.5748E-07	0.237427	hyper	sig	chr5_76954660
chr13	1.1E+08	110265537	+	7.709E-08	4.575E-07	-0.21831	hypo	sig	chr13_110265537
chr11	44957145	44957145	+	7.711E-08	4.576E-07	0.203061	hyper	sig	chr11_44957145
chr1	50420795	50420795	+	7.728E-08	4.586E-07	0.224268	hyper	sig	chr1_50420795
chr7	22782321	22782321	+	7.732E-08	4.5879E-07	-0.22745	hypo	sig	chr7_22782321

chr2	64770891	64770891	+	7.753E-08	4.6001E-07	0.220974	hyper	sig	chr2_64770891
chr9	1.15E+08	114504332	+	7.755E-08	4.6012E-07	0.256548	hyper	sig	chr9_114504332
chr7	1.57E+08	156607977	+	7.76E-08	4.6036E-07	0.256271	hyper	sig	chr7_156607977
chr11	1162168	1162168	+	7.761E-08	4.6042E-07	-0.22849	hypo	sig	chr11_1162168
chr12	6142229	6142229	+	7.767E-08	4.6076E-07	-0.21281	hypo	sig	chr12_6142229
chr15	52798041	52798041	+	7.769E-08	4.609E-07	0.204207	hyper	sig	chr15_52798041
chr7	4862068	4862068	+	7.774E-08	4.6118E-07	0.232652	hyper	sig	chr7_4862068
chr8	8782566	8782566	+	7.778E-08	4.6139E-07	-0.20514	hypo	sig	chr8_8782566
chr16	57528862	57528862	+	7.79E-08	4.6209E-07	-0.20373	hypo	sig	chr16_57528862
chr19	57727218	57727218	+	7.809E-08	4.6314E-07	0.219016	hyper	sig	chr19_57727218
chr1	16963826	16963826	+	7.819E-08	4.6369E-07	0.205358	hyper	sig	chr1_16963826
chr10	1.33E+08	132627669	+	7.822E-08	4.6385E-07	0.223366	hyper	sig	chr10_132627669
chr14	64197281	64197281	+	7.824E-08	4.6399E-07	0.214238	hyper	sig	chr14_64197281
chr12	51837413	51837413	+	7.825E-08	4.6405E-07	-0.24508	hypo	sig	chr12_51837413
chr19	2511675	2511675	+	7.828E-08	4.642E-07	-0.20426	hypo	sig	chr19_2511675
chr20	58840290	58840290	+	7.842E-08	4.6504E-07	0.226539	hyper	sig	chr20_58840290
chr19	1064148	1064148	+	7.848E-08	4.6533E-07	-0.20215	hypo	sig	chr19_1064148
chr19	22520481	22520481	+	7.851E-08	4.6551E-07	-0.25625	hypo	sig	chr19_22520481
chr19	17645689	17645689	+	7.858E-08	4.659E-07	-0.24744	hypo	sig	chr19_17645689
chr1	18957687	18957687	+	7.866E-08	4.6634E-07	-0.235	hypo	sig	chr1_18957687
chr10	70694151	70694151	+	7.871E-08	4.6663E-07	0.241982	hyper	sig	chr10_70694151
chr16	86572823	86572823	+	7.881E-08	4.6718E-07	0.239428	hyper	sig	chr16_86572823
chr19	10713135	10713135	+	7.883E-08	4.6731E-07	-0.20827	hypo	sig	chr19_10713135
chr19	48490767	48490767	+	7.887E-08	4.6753E-07	0.204504	hyper	sig	chr19_48490767
chr8	1.42E+08	142401058	+	7.89E-08	4.677E-07	-0.26651	hypo	sig	chr8_142401058
chr14	89701291	89701291	+	7.897E-08	4.681E-07	-0.21944	hypo	sig	chr14_89701291
chr17	8073275	8073275	+	7.897E-08	4.681E-07	0.208792	hyper	sig	chr17_8073275
chr20	9516765	9516765	+	7.899E-08	4.682E-07	0.221603	hyper	sig	chr20_9516765
chr17	82243046	82243046	+	7.904E-08	4.6846E-07	0.249984	hyper	sig	chr17_82243046
chr1	16228022	16228022	+	7.905E-08	4.6855E-07	0.260611	hyper	sig	chr1_16228022
chr6	1.37E+08	137489575	+	7.907E-08	4.6866E-07	0.27716	hyper	sig	chr6_137489575
chr12	1.32E+08	132216934	+	7.917E-08	4.692E-07	-0.26991	hypo	sig	chr12_132216934
chr6	32761810	32761810	+	7.926E-08	4.6971E-07	0.201963	hyper	sig	chr6_32761810
chr19	50724133	50724133	+	7.929E-08	4.6992E-07	0.204695	hyper	sig	chr19_50724133
chr10	5499220	5499220	+	7.93E-08	4.6993E-07	-0.20931	hypo	sig	chr10_5499220
chr6	32152162	32152162	+	7.94E-08	4.705E-07	0.200929	hyper	sig	chr6_32152162
chr17	1006056	1006056	+	7.941E-08	4.7055E-07	0.200173	hyper	sig	chr17_1006056
chr12	34381275	34381275	+	7.958E-08	4.7151E-07	-0.21352	hypo	sig	chr12_34381275
chr14	1E+08	100188932	+	7.967E-08	4.7205E-07	-0.21866	hypo	sig	chr14_100188932
chr4	4864712	4864712	+	7.98E-08	4.7275E-07	0.241798	hyper	sig	chr4_4864712
chr6	32085823	32085823	+	7.981E-08	4.728E-07	-0.21905	hypo	sig	chr6_32085823
chr19	3507779	3507779	+	7.994E-08	4.7356E-07	0.266672	hyper	sig	chr19_3507779
chr16	1256787	1256787	+	7.994E-08	4.7358E-07	-0.23973	hypo	sig	chr16_1256787
chr17	77060242	77060242	+	8.005E-08	4.7416E-07	-0.22299	hypo	sig	chr17_77060242
chr3	1.26E+08	125990296	+	8.005E-08	4.7418E-07	0.230288	hyper	sig	chr3_125990296
chr5	1.41E+08	141102047	+	8.005E-08	4.742E-07	0.216498	hyper	sig	chr5_141102047
chr20	37384963	37384963	+	8.006E-08	4.742E-07	0.212425	hyper	sig	chr20_37384963
chr1	1.19E+08	118985393	+	8.008E-08	4.7431E-07	0.219601	hyper	sig	chr1_118985393
chr5	54884413	54884413	+	8.012E-08	4.7454E-07	0.222126	hyper	sig	chr5_54884413
chr13	18874960	18874960	+	8.023E-08	4.7516E-07	0.216842	hyper	sig	chr13_18874960
chr1	3094337	3094337	+	8.026E-08	4.7531E-07	-0.20078	hypo	sig	chr1_3094337
chr1	46436733	46436733	+	8.026E-08	4.7531E-07	-0.21996	hypo	sig	chr1_46436733
chr11	628555	628555	+	8.026E-08	4.7531E-07	-0.25197	hypo	sig	chr11_628555
chr2	63048465	63048465	+	8.026E-08	4.7535E-07	0.207273	hyper	sig	chr2_63048465
chr10	1.29E+08	129042960	+	8.043E-08	4.7628E-07	0.229429	hyper	sig	chr10_129042960
chr2	2.08E+08	207767092	+	8.044E-08	4.7632E-07	-0.23974	hypo	sig	chr2_207767092

chr17	75132626	75132626	+	8.051E-08	4.7672E-07	-0.2264	hypo	sig	chr17_75132626
chr11	77138084	77138084	+	8.06E-08	4.7721E-07	0.224509	hyper	sig	chr11_77138084
chr17	49035679	49035679	+	8.063E-08	4.774E-07	-0.21778	hypo	sig	chr17_49035679
chr10	70283708	70283708	+	8.066E-08	4.776E-07	0.292068	hyper	sig	chr10_70283708
chr19	524639	524639	+	8.069E-08	4.7776E-07	-0.21229	hypo	sig	chr19_524639
chr8	26515308	26515308	+	8.069E-08	4.7776E-07	0.202962	hyper	sig	chr8_26515308
chr19	815067	815067	+	8.072E-08	4.779E-07	-0.24292	hypo	sig	chr19_815067
chr19	4327182	4327182	+	8.08E-08	4.7837E-07	0.273546	hyper	sig	chr19_4327182
chr3	10329956	10329956	+	8.085E-08	4.7866E-07	-0.26055	hypo	sig	chr3_10329956
chr9	1.38E+08	137514293	+	8.085E-08	4.7866E-07	-0.24821	hypo	sig	chr9_137514293
chr19	52536412	52536412	+	8.086E-08	4.7869E-07	0.238412	hyper	sig	chr19_52536412
chr6	1.7E+08	170050254	+	8.105E-08	4.7975E-07	0.225152	hyper	sig	chr6_170050254
chr14	1.01E+08	100709644	+	8.105E-08	4.7979E-07	0.23793	hyper	sig	chr14_100709644
chr2	2.41E+08	241200121	+	8.11E-08	4.8002E-07	-0.28419	hypo	sig	chr2_241200121
chr19	4569126	4569126	+	8.114E-08	4.8026E-07	-0.20552	hypo	sig	chr19_4569126
chr5	1.41E+08	141370655	+	8.114E-08	4.8029E-07	0.273566	hyper	sig	chr5_141370655
chr17	48548028	48548028	+	8.123E-08	4.8079E-07	0.201878	hyper	sig	chr17_48548028
chr22	23437957	23437957	+	8.133E-08	4.8138E-07	-0.23653	hypo	sig	chr22_23437957
chr17	803901	803901	+	8.135E-08	4.815E-07	-0.20173	hypo	sig	chr17_803901
chr5	1.39E+08	139378648	+	8.144E-08	4.8201E-07	0.201202	hyper	sig	chr5_139378648
chr7	44221563	44221563	+	8.156E-08	4.8267E-07	0.205966	hyper	sig	chr7_44221563
chr3	47009998	47009998	+	8.169E-08	4.8339E-07	0.24533	hyper	sig	chr3_47009998
chr11	70085355	70085355	+	8.188E-08	4.8449E-07	-0.24649	hypo	sig	chr11_70085355
chr17	49994387	49994387	+	8.193E-08	4.848E-07	0.26203	hyper	sig	chr17_49994387
chr5	1.79E+08	179209971	+	8.195E-08	4.8488E-07	-0.20259	hypo	sig	chr5_179209971
chr16	11675759	11675759	+	8.203E-08	4.8533E-07	-0.25351	hypo	sig	chr16_11675759
chr20	31485596	31485596	+	8.212E-08	4.8581E-07	0.246058	hyper	sig	chr20_31485596
chr7	1E+08	100390224	+	8.217E-08	4.861E-07	-0.20366	hypo	sig	chr7_100390224
chr16	85643192	85643192	+	8.217E-08	4.8612E-07	-0.22608	hypo	sig	chr16_85643192
chr3	12987014	12987014	+	8.22E-08	4.8628E-07	-0.20438	hypo	sig	chr3_12987014
chr16	87541183	87541183	+	8.229E-08	4.8676E-07	0.201674	hyper	sig	chr16_87541183
chr17	383265	383265	+	8.245E-08	4.8765E-07	-0.2124	hypo	sig	chr17_383265
chr5	69415885	69415885	+	8.271E-08	4.8915E-07	-0.23195	hypo	sig	chr5_69415885
chr22	25179373	25179373	+	8.271E-08	4.8918E-07	0.201257	hyper	sig	chr22_25179373
chr14	60654058	60654058	+	8.28E-08	4.8969E-07	0.225488	hyper	sig	chr14_60654058
chr10	1.32E+08	132221859	+	8.287E-08	4.9004E-07	-0.24641	hypo	sig	chr10_132221859
chr14	1.01E+08	100826535	+	8.304E-08	4.91E-07	0.202734	hyper	sig	chr14_100826535
chr13	19177060	19177060	+	8.308E-08	4.9123E-07	-0.20812	hypo	sig	chr13_19177060
chr7	76279471	76279471	+	8.308E-08	4.9123E-07	-0.226	hypo	sig	chr7_76279471
chr12	1.21E+08	121240723	+	8.339E-08	4.9293E-07	0.208477	hyper	sig	chr12_121240723
chr9	1.22E+08	121744314	+	8.342E-08	4.9309E-07	0.223657	hyper	sig	chr9_121744314
chr3	1.7E+08	169659922	+	8.343E-08	4.9314E-07	0.205349	hyper	sig	chr3_169659922
chr18	26547675	26547675	+	8.346E-08	4.9329E-07	0.22631	hyper	sig	chr18_26547675
chr19	51181984	51181984	+	8.347E-08	4.9337E-07	0.203213	hyper	sig	chr19_51181984
chr3	47355572	47355572	+	8.348E-08	4.934E-07	-0.26448	hypo	sig	chr3_47355572
chr5	1.8E+08	180090124	+	8.352E-08	4.9361E-07	0.217387	hyper	sig	chr5_180090124
chr5	1021712	1021712	+	8.365E-08	4.9434E-07	-0.21276	hypo	sig	chr5_1021712
chr22	19030375	19030375	+	8.369E-08	4.9457E-07	0.252556	hyper	sig	chr22_19030375
chr15	73325221	73325221	+	8.391E-08	4.9585E-07	-0.21118	hypo	sig	chr15_73325221
chr10	1.32E+08	132232831	+	8.414E-08	4.9712E-07	-0.21147	hypo	sig	chr10_132232831
chr7	1.55E+08	155070971	+	8.423E-08	4.9762E-07	0.312208	hyper	sig	chr7_155070971
chr19	15453086	15453086	+	8.442E-08	4.9871E-07	0.246445	hyper	sig	chr19_15453086
chr11	49561440	49561440	+	8.476E-08	5.0063E-07	0.201836	hyper	sig	chr11_49561440
chr17	50124139	50124139	+	8.486E-08	5.0117E-07	0.209326	hyper	sig	chr17_50124139
chr17	61456741	61456741	+	8.496E-08	5.0173E-07	0.205931	hyper	sig	chr17_61456741
chr5	1.79E+08	179240654	+	8.514E-08	5.0276E-07	-0.24882	hypo	sig	chr5_179240654

chr5	1.73E+08	173238143	+	8.515E-08	5.0279E-07	0.20339	hyper	sig	chr5_173238143
chr17	48564722	48564722	+	8.515E-08	5.0282E-07	0.24765	hyper	sig	chr17_48564722
chr10	75109072	75109072	+	8.516E-08	5.0287E-07	-0.23077	hypo	sig	chr10_75109072
chr13	35478848	35478848	+	8.521E-08	5.0312E-07	-0.20834	hypo	sig	chr13_35478848
chr17	76635946	76635946	+	8.531E-08	5.0367E-07	0.206725	hyper	sig	chr17_76635946
chr1	2.04E+08	204377569	+	8.542E-08	5.0427E-07	-0.21033	hypo	sig	chr1_204377569
chr11	31815930	31815930	+	8.554E-08	5.0499E-07	0.200195	hyper	sig	chr11_31815930
chr11	69700972	69700972	+	8.563E-08	5.0547E-07	-0.2281	hypo	sig	chr11_69700972
chr6	73315283	73315283	+	8.564E-08	5.0556E-07	0.263445	hyper	sig	chr6_73315283
chr15	66565895	66565895	+	8.571E-08	5.0591E-07	0.21804	hyper	sig	chr15_66565895
chr2	1.56E+08	156323032	+	8.574E-08	5.0609E-07	0.22249	hyper	sig	chr2_156323032
chr13	99997788	99997788	+	8.576E-08	5.0618E-07	0.216362	hyper	sig	chr13_99997788
chr2	2.08E+08	208112194	+	8.584E-08	5.0665E-07	0.248222	hyper	sig	chr2_208112194
chr16	68510206	68510206	+	8.606E-08	5.0792E-07	0.206038	hyper	sig	chr16_68510206
chr12	1.15E+08	114686929	+	8.614E-08	5.0833E-07	0.201471	hyper	sig	chr12_114686929
chr19	17648907	17648907	+	8.621E-08	5.0871E-07	-0.24953	hypo	sig	chr19_17648907
chr12	5430907	5430907	+	8.633E-08	5.0944E-07	0.200005	hyper	sig	chr12_5430907
chr5	1.11E+08	111071058	+	8.637E-08	5.0966E-07	-0.23192	hypo	sig	chr5_111071058
chr17	73285739	73285739	+	8.649E-08	5.1034E-07	0.292879	hyper	sig	chr17_73285739
chr10	1.04E+08	103668771	+	8.652E-08	5.105E-07	0.234141	hyper	sig	chr10_103668771
chr7	1.02E+08	101613456	+	8.671E-08	5.1155E-07	-0.28346	hypo	sig	chr7_101613456
chr17	44528031	44528031	+	8.677E-08	5.1188E-07	-0.20649	hypo	sig	chr17_44528031
chr7	1.08E+08	107843341	+	8.685E-08	5.1234E-07	-0.23268	hypo	sig	chr7_107843341
chr6	1.5E+08	149853018	+	8.715E-08	5.1404E-07	-0.21421	hypo	sig	chr6_149853018
chr12	1.25E+08	125024956	+	8.746E-08	5.1582E-07	-0.20088	hypo	sig	chr12_125024956
chr15	59995893	59995893	+	8.747E-08	5.1587E-07	0.239657	hyper	sig	chr15_59995893
chr7	1.02E+08	101936656	+	8.748E-08	5.1591E-07	0.213197	hyper	sig	chr7_101936656
chr11	1.25E+08	124870697	+	8.749E-08	5.1595E-07	0.205759	hyper	sig	chr11_124870697
chr19	23471035	23471035	+	8.749E-08	5.1596E-07	0.218489	hyper	sig	chr19_23471035
chr2	1.77E+08	177198302	+	8.752E-08	5.1613E-07	-0.20198	hypo	sig	chr2_177198302
chr16	31109370	31109370	+	8.788E-08	5.1809E-07	0.220722	hyper	sig	chr16_31109370
chr12	1.31E+08	130819386	+	8.795E-08	5.1851E-07	0.227765	hyper	sig	chr12_130819386
chr9	62799266	62799266	+	8.8E-08	5.1879E-07	0.263564	hyper	sig	chr9_62799266
chr14	28759764	28759764	+	8.804E-08	5.1898E-07	0.237237	hyper	sig	chr14_28759764
chr19	17974136	17974136	+	8.809E-08	5.1926E-07	-0.23097	hypo	sig	chr19_17974136
chr5	1.8E+08	179679293	+	8.826E-08	5.2025E-07	0.238724	hyper	sig	chr5_179679293
chr18	10723763	10723763	+	8.83E-08	5.2044E-07	-0.23117	hypo	sig	chr18_10723763
chr19	728357	728357	+	8.842E-08	5.2113E-07	-0.22403	hypo	sig	chr19_728357
chr17	82703097	82703097	+	8.842E-08	5.2113E-07	-0.20717	hypo	sig	chr17_82703097
chr7	4971806	4971806	+	8.884E-08	5.2349E-07	-0.21067	hypo	sig	chr7_4971806
chr13	45714065	45714065	+	8.891E-08	5.2387E-07	-0.2375	hypo	sig	chr13_45714065
chr15	66853400	66853400	+	8.891E-08	5.2388E-07	-0.20474	hypo	sig	chr15_66853400
chr20	63028628	63028628	+	8.898E-08	5.2423E-07	0.250911	hyper	sig	chr20_63028628
chr6	32070812	32070812	+	8.898E-08	5.2424E-07	-0.20234	hypo	sig	chr6_32070812
chr17	7853514	7853514	+	8.919E-08	5.2543E-07	0.256929	hyper	sig	chr17_7853514
chr9	1.37E+08	137186652	+	8.933E-08	5.262E-07	-0.22288	hypo	sig	chr9_137186652
chr20	62216197	62216197	+	8.949E-08	5.2709E-07	-0.24	hypo	sig	chr20_62216197
chr4	41873506	41873506	+	8.959E-08	5.2766E-07	0.300736	hyper	sig	chr4_41873506
chr3	37994110	37994110	+	8.963E-08	5.2787E-07	0.206555	hyper	sig	chr3_37994110
chr14	56811612	56811612	+	8.967E-08	5.2811E-07	0.215984	hyper	sig	chr14_56811612
chr7	5606143	5606143	+	8.976E-08	5.286E-07	-0.22941	hypo	sig	chr7_5606143
chr6	1.7E+08	170253685	+	8.982E-08	5.2894E-07	-0.20027	hypo	sig	chr6_170253685
chr19	55452681	55452681	+	8.984E-08	5.2907E-07	0.258606	hyper	sig	chr19_55452681
chr7	1.57E+08	157002708	+	8.987E-08	5.2922E-07	0.24334	hyper	sig	chr7_157002708
chr2	1.98E+08	197805564	+	8.99E-08	5.2938E-07	0.236196	hyper	sig	chr2_197805564
chr5	1.41E+08	141372230	+	9.011E-08	5.3053E-07	0.217578	hyper	sig	chr5_141372230

chr19	18870603	18870603	+	9.014E-08	5.3073E-07	0.220439	hyper	sig	chr19_18870603
chr21	42314294	42314294	+	9.075E-08	5.3412E-07	-0.20254	hypo	sig	chr21_42314294
chr16	10908120	10908120	+	9.08E-08	5.3442E-07	-0.22322	hypo	sig	chr16_10908120
chr1	16227990	16227990	+	9.085E-08	5.3468E-07	0.257826	hyper	sig	chr1_16227990
chr5	1.41E+08	141492007	+	9.09E-08	5.3495E-07	0.255861	hyper	sig	chr5_141492007
chr9	92837542	92837542	+	9.112E-08	5.3615E-07	0.271234	hyper	sig	chr9_92837542
chr17	48746896	48746896	+	9.121E-08	5.367E-07	0.214462	hyper	sig	chr17_48746896
chr5	1.41E+08	141201364	+	9.139E-08	5.3766E-07	0.275477	hyper	sig	chr5_141201364
chr16	68447584	68447584	+	9.147E-08	5.3812E-07	0.308957	hyper	sig	chr16_68447584
chr9	35563601	35563601	+	9.15E-08	5.3827E-07	0.206695	hyper	sig	chr9_35563601
chr16	68642773	68642773	+	9.161E-08	5.3889E-07	0.21551	hyper	sig	chr16_68642773
chr16	972729	972729	+	9.162E-08	5.39E-07	-0.21955	hypo	sig	chr16_972729
chr16	56193153	56193153	+	9.169E-08	5.394E-07	0.24925	hyper	sig	chr16_56193153
chr19	15461118	15461118	+	9.169E-08	5.394E-07	-0.20599	hypo	sig	chr19_15461118
chr20	17227388	17227388	+	9.175E-08	5.3972E-07	0.241894	hyper	sig	chr20_17227388
chr20	56626022	56626022	+	9.192E-08	5.4064E-07	0.311674	hyper	sig	chr20_56626022
chr13	1.11E+08	111409610	+	9.205E-08	5.414E-07	-0.2041	hypo	sig	chr13_111409610
chr12	6555743	6555743	+	9.214E-08	5.4189E-07	0.203509	hyper	sig	chr12_6555743
chr17	81330924	81330924	+	9.214E-08	5.4191E-07	-0.25148	hypo	sig	chr17_81330924
chr16	88186416	88186416	+	9.216E-08	5.42E-07	0.214389	hyper	sig	chr16_88186416
chr15	24878344	24878344	+	9.231E-08	5.4289E-07	0.212109	hyper	sig	chr15_24878344
chr3	1.34E+08	133746508	+	9.239E-08	5.4329E-07	0.215321	hyper	sig	chr3_133746508
chr17	45241377	45241377	+	9.244E-08	5.4358E-07	0.207626	hyper	sig	chr17_45241377
chr3	1.29E+08	128993400	+	9.252E-08	5.4402E-07	0.266828	hyper	sig	chr3_128993400
chr12	38153610	38153610	+	9.254E-08	5.4415E-07	-0.21398	hypo	sig	chr12_38153610
chr15	25246168	25246168	+	9.275E-08	5.4532E-07	-0.22665	hypo	sig	chr15_25246168
chr20	58840233	58840233	+	9.284E-08	5.4585E-07	0.248828	hyper	sig	chr20_58840233
chr3	1.39E+08	138949581	+	9.286E-08	5.4594E-07	0.221637	hyper	sig	chr3_138949581
chr1	1.16E+08	116416328	+	9.313E-08	5.4748E-07	0.20586	hyper	sig	chr1_116416328
chr21	44900847	44900847	+	9.315E-08	5.476E-07	-0.22095	hypo	sig	chr21_44900847
chr5	1.36E+08	135536920	+	9.321E-08	5.4796E-07	0.225195	hyper	sig	chr5_135536920
chr5	1.41E+08	141423299	+	9.323E-08	5.4806E-07	0.205723	hyper	sig	chr5_141423299
chr2	10008769	10008769	+	9.369E-08	5.5064E-07	-0.21411	hypo	sig	chr2_10008769
chr11	86431338	86431338	+	9.372E-08	5.5079E-07	0.208229	hyper	sig	chr11_86431338
chr16	67654829	67654829	+	9.378E-08	5.5112E-07	0.213831	hyper	sig	chr16_67654829
chr2	1.2E+08	120347500	+	9.378E-08	5.5112E-07	0.200293	hyper	sig	chr2_120347500
chr10	1.03E+08	103470852	+	9.388E-08	5.5168E-07	-0.23628	hypo	sig	chr10_103470852
chr2	85592456	85592456	+	9.389E-08	5.5173E-07	-0.24026	hypo	sig	chr2_85592456
chr5	10306917	10306917	+	9.4E-08	5.524E-07	0.211036	hyper	sig	chr5_10306917
chr5	6750524	6750524	+	9.401E-08	5.5243E-07	0.20304	hyper	sig	chr5_6750524
chr7	1.5E+08	149881180	+	9.401E-08	5.5244E-07	0.248741	hyper	sig	chr7_149881180
chr14	68977002	68977002	+	9.413E-08	5.531E-07	0.261043	hyper	sig	chr14_68977002
chr10	1.32E+08	131749543	+	9.424E-08	5.5369E-07	-0.23874	hypo	sig	chr10_131749543
chr2	1.35E+08	134718161	+	9.428E-08	5.5393E-07	0.22718	hyper	sig	chr2_134718161
chr4	6663918	6663918	+	9.432E-08	5.542E-07	0.219557	hyper	sig	chr4_6663918
chr8	21792506	21792506	+	9.434E-08	5.5431E-07	-0.20182	hypo	sig	chr8_21792506
chr17	33290640	33290640	+	9.435E-08	5.5435E-07	0.229425	hyper	sig	chr17_33290640
chr6	35498449	35498449	+	9.436E-08	5.5437E-07	0.240196	hyper	sig	chr6_35498449
chr4	8345847	8345847	+	9.436E-08	5.5439E-07	-0.21948	hypo	sig	chr4_8345847
chr10	665790	665790	+	9.479E-08	5.5677E-07	0.203089	hyper	sig	chr10_665790
chr10	1.14E+08	114179498	+	9.479E-08	5.5679E-07	0.223523	hyper	sig	chr10_114179498
chr21	44851180	44851180	+	9.481E-08	5.5692E-07	0.207802	hyper	sig	chr21_44851180
chr2	1138438	1138438	+	9.49E-08	5.5739E-07	-0.24188	hypo	sig	chr2_1138438
chr16	4796120	4796120	+	9.495E-08	5.5768E-07	-0.26095	hypo	sig	chr16_4796120
chr7	1.22E+08	121873641	+	9.496E-08	5.5774E-07	0.203117	hyper	sig	chr7_121873641
chr19	58204578	58204578	+	9.503E-08	5.5811E-07	0.224649	hyper	sig	chr19_58204578

chr1	937075	937075	+	9.504E-08	5.5816E-07	-0.20687	hypo	sig	chr1_937075
chr11	1.34E+08	134416986	+	9.507E-08	5.5831E-07	-0.276	hypo	sig	chr11_134416986
chr14	36505367	36505367	+	9.513E-08	5.5867E-07	0.232143	hyper	sig	chr14_36505367
chr3	9136053	9136053	+	9.521E-08	5.5913E-07	0.214545	hyper	sig	chr3_9136053
chr5	1.71E+08	171450504	+	9.524E-08	5.5928E-07	-0.22657	hypo	sig	chr5_171450504
chr2	95025287	95025287	+	9.547E-08	5.6064E-07	0.214128	hyper	sig	chr2_95025287
chr10	1.28E+08	128476130	+	9.553E-08	5.6094E-07	-0.23042	hypo	sig	chr10_128476130
chr9	1.22E+08	121783682	+	9.558E-08	5.6121E-07	0.229253	hyper	sig	chr9_121783682
chr11	63554036	63554036	+	9.562E-08	5.6144E-07	-0.2443	hypo	sig	chr11_63554036
chr16	30604964	30604964	+	9.568E-08	5.6179E-07	0.203535	hyper	sig	chr16_30604964
chr16	57528884	57528884	+	9.571E-08	5.6195E-07	-0.20925	hypo	sig	chr16_57528884
chr7	74059923	74059923	+	9.583E-08	5.6262E-07	-0.21724	hypo	sig	chr7_74059923
chr1	3064110	3064110	+	9.586E-08	5.6279E-07	0.229267	hyper	sig	chr1_3064110
chr19	37855878	37855878	+	9.592E-08	5.6312E-07	0.260181	hyper	sig	chr19_37855878
chr12	49334424	49334424	+	9.624E-08	5.6493E-07	0.214	hyper	sig	chr12_49334424
chr10	1.33E+08	132784942	+	9.632E-08	5.6537E-07	0.23783	hyper	sig	chr10_132784942
chr12	56020749	56020749	+	9.636E-08	5.6554E-07	0.220764	hyper	sig	chr12_56020749
chr11	1443562	1443562	+	9.637E-08	5.6559E-07	-0.25804	hypo	sig	chr11_1443562
chr19	18200494	18200494	+	9.648E-08	5.662E-07	-0.20655	hypo	sig	chr19_18200494
chr10	99232311	99232311	+	9.658E-08	5.6677E-07	0.200608	hyper	sig	chr10_99232311
chr16	55057286	55057286	+	9.668E-08	5.6732E-07	0.250741	hyper	sig	chr16_55057286
chr2	1.05E+08	104862727	+	9.669E-08	5.6738E-07	0.203704	hyper	sig	chr2_104862727
chr16	1992742	1992742	+	9.691E-08	5.6866E-07	0.235977	hyper	sig	chr16_1992742
chr11	18412275	18412275	+	9.706E-08	5.6947E-07	0.229615	hyper	sig	chr11_18412275
chr19	3821285	3821285	+	9.726E-08	5.7056E-07	-0.23415	hypo	sig	chr19_3821285
chr8	1451905	1451905	+	9.727E-08	5.7059E-07	-0.25596	hypo	sig	chr8_1451905
chr13	20177606	20177606	+	9.738E-08	5.7121E-07	0.238865	hyper	sig	chr13_20177606
chr2	63053085	63053085	+	9.742E-08	5.7147E-07	0.210069	hyper	sig	chr2_63053085
chr17	39165615	39165615	+	9.751E-08	5.7194E-07	0.23557	hyper	sig	chr17_39165615
chr11	31818195	31818195	+	9.76E-08	5.7247E-07	0.260144	hyper	sig	chr11_31818195
chr16	89043564	89043564	+	9.765E-08	5.7271E-07	-0.21818	hypo	sig	chr16_89043564
chr5	1.75E+08	174733342	+	9.765E-08	5.7271E-07	0.211714	hyper	sig	chr5_174733342
chr17	7478040	7478040	+	9.78E-08	5.7354E-07	0.30483	hyper	sig	chr17_7478040
chr7	55345294	55345294	+	9.792E-08	5.7419E-07	0.24327	hyper	sig	chr7_55345294
chr4	41879183	41879183	+	9.792E-08	5.7424E-07	0.22756	hyper	sig	chr4_41879183
chr1	1.1E+08	110068207	+	9.794E-08	5.7432E-07	0.250439	hyper	sig	chr1_110068207
chr7	1.59E+08	158997325	+	9.796E-08	5.7443E-07	0.245187	hyper	sig	chr7_158997325
chr17	81400612	81400612	+	9.804E-08	5.7489E-07	0.209543	hyper	sig	chr17_81400612
chr5	79689722	79689722	+	9.831E-08	5.7643E-07	0.296197	hyper	sig	chr5_79689722
chr19	51323803	51323803	+	9.836E-08	5.767E-07	-0.24154	hypo	sig	chr19_51323803
chr1	1.57E+08	156893328	+	9.838E-08	5.7681E-07	0.215754	hyper	sig	chr1_156893328
chr11	1.23E+08	123302393	+	9.843E-08	5.771E-07	0.201782	hyper	sig	chr11_123302393
chr11	20596915	20596915	+	9.846E-08	5.7726E-07	0.228828	hyper	sig	chr11_20596915
chr11	75428427	75428427	+	9.853E-08	5.7762E-07	0.21352	hyper	sig	chr11_75428427
chr11	17719009	17719009	+	9.853E-08	5.7764E-07	0.276875	hyper	sig	chr11_17719009
chr14	38256312	38256312	+	9.857E-08	5.7788E-07	0.209977	hyper	sig	chr14_38256312
chr19	802987	802987	+	9.858E-08	5.7792E-07	0.2268	hyper	sig	chr19_802987
chr11	6571137	6571137	+	9.87E-08	5.7859E-07	0.205964	hyper	sig	chr11_6571137
chr9	1.37E+08	136986099	+	9.881E-08	5.7915E-07	0.222989	hyper	sig	chr9_136986099
chr2	1.3E+08	130120278	+	9.891E-08	5.7974E-07	-0.24278	hypo	sig	chr2_130120278
chr19	44758450	44758450	+	9.897E-08	5.8005E-07	0.302905	hyper	sig	chr19_44758450
chr2	47570827	47570827	+	9.906E-08	5.8054E-07	0.206356	hyper	sig	chr2_47570827
chr8	926165	926165	+	9.911E-08	5.8082E-07	-0.20632	hypo	sig	chr8_926165
chr1	8348993	8348993	+	9.912E-08	5.8088E-07	-0.20821	hypo	sig	chr1_8348993
chr11	1918241	1918241	+	9.912E-08	5.8089E-07	-0.29317	hypo	sig	chr11_1918241
chr20	46365020	46365020	+	9.913E-08	5.8092E-07	0.238979	hyper	sig	chr20_46365020

chr8	1.28E+08	127740656	+	9.922E-08	5.8144E-07	-0.26141	hypo	sig	chr8_127740656
chr12	1.31E+08	131044764	+	9.94E-08	5.8244E-07	-0.20424	hypo	sig	chr12_131044764
chr17	79204557	79204557	+	9.958E-08	5.8349E-07	-0.21899	hypo	sig	chr17_79204557
chr7	4805936	4805936	+	9.961E-08	5.8365E-07	-0.2346	hypo	sig	chr7_4805936
chr2	1.71E+08	170717643	+	9.963E-08	5.8375E-07	0.21172	hyper	sig	chr2_170717643
chr1	5717867	5717867	+	9.969E-08	5.841E-07	-0.23897	hypo	sig	chr1_5717867
chr12	1.3E+08	130339343	+	9.973E-08	5.8428E-07	0.218654	hyper	sig	chr12_130339343
chr4	11369135	11369135	+	1.001E-07	5.862E-07	0.210893	hyper	sig	chr4_11369135
chr19	41926790	41926790	+	1.004E-07	5.8811E-07	0.261982	hyper	sig	chr19_41926790
chr14	1.05E+08	104638402	+	1.006E-07	5.8901E-07	-0.25805	hypo	sig	chr14_104638402
chr11	69891507	69891507	+	1.01E-07	5.9171E-07	-0.21836	hypo	sig	chr11_69891507
chr17	42040113	42040113	+	1.011E-07	5.9175E-07	0.203764	hyper	sig	chr17_42040113
chr17	17810445	17810445	+	1.011E-07	5.9209E-07	0.250174	hyper	sig	chr17_17810445
chr3	13072802	13072802	+	1.011E-07	5.921E-07	0.253854	hyper	sig	chr3_13072802
chr11	281516	281516	+	1.013E-07	5.9312E-07	0.264073	hyper	sig	chr11_281516
chr13	1.12E+08	111962778	+	1.015E-07	5.944E-07	-0.20679	hypo	sig	chr13_111962778
chr15	69035864	69035864	+	1.015E-07	5.9447E-07	-0.20535	hypo	sig	chr15_69035864
chr19	18344780	18344780	+	1.016E-07	5.9463E-07	0.212292	hyper	sig	chr19_18344780
chr2	2.42E+08	241901798	+	1.019E-07	5.9666E-07	0.225931	hyper	sig	chr2_241901798
chr1	1599175	1599175	+	1.021E-07	5.9757E-07	0.227501	hyper	sig	chr1_1599175
chr15	88605079	88605079	+	1.021E-07	5.9762E-07	0.203433	hyper	sig	chr15_88605079
chr7	27182149	27182149	+	1.021E-07	5.9781E-07	-0.23027	hypo	sig	chr7_27182149
chr6	31728174	31728174	+	1.022E-07	5.9814E-07	0.215699	hyper	sig	chr6_31728174
chr1	75124780	75124780	+	1.024E-07	5.992E-07	0.225205	hyper	sig	chr1_75124780
chr2	74440994	74440994	+	1.024E-07	5.9937E-07	-0.20785	hypo	sig	chr2_74440994
chr15	83285158	83285158	+	1.025E-07	5.9993E-07	0.238304	hyper	sig	chr15_83285158
chr17	31560294	31560294	+	1.025E-07	6.0008E-07	0.215701	hyper	sig	chr17_31560294
chr4	5890054	5890054	+	1.025E-07	6.0008E-07	0.230221	hyper	sig	chr4_5890054
chr6	1.59E+08	159232438	+	1.025E-07	6.0008E-07	-0.25757	hypo	sig	chr6_159232438
chr11	75428743	75428743	+	1.027E-07	6.0103E-07	0.224489	hyper	sig	chr11_75428743
chr5	77957709	77957709	+	1.028E-07	6.018E-07	0.267515	hyper	sig	chr5_77957709
chr6	1.68E+08	168079058	+	1.028E-07	6.0181E-07	-0.23604	hypo	sig	chr6_168079058
chr1	1.56E+08	156388049	+	1.029E-07	6.019E-07	0.214839	hyper	sig	chr1_156388049
chr17	75587987	75587987	+	1.029E-07	6.0226E-07	0.200899	hyper	sig	chr17_75587987
chr5	1.78E+08	177509645	+	1.031E-07	6.0298E-07	0.225466	hyper	sig	chr5_177509645
chr12	56957339	56957339	+	1.031E-07	6.0329E-07	-0.26577	hypo	sig	chr12_56957339
chr19	38455268	38455268	+	1.032E-07	6.0389E-07	0.216275	hyper	sig	chr19_38455268
chr6	1E+08	100448125	+	1.033E-07	6.0418E-07	0.242413	hyper	sig	chr6_100448125
chr22	35542318	35542318	+	1.034E-07	6.0498E-07	0.2119	hyper	sig	chr22_35542318
chr16	920237	920237	+	1.034E-07	6.0507E-07	0.24909	hyper	sig	chr16_920237
chr10	80540832	80540832	+	1.039E-07	6.077E-07	-0.24944	hypo	sig	chr10_80540832
chr9	34457341	34457341	+	1.039E-07	6.0795E-07	0.220389	hyper	sig	chr9_34457341
chr1	1.71E+08	170659715	+	1.04E-07	6.0831E-07	-0.24534	hypo	sig	chr1_170659715
chr10	49401318	49401318	+	1.042E-07	6.0928E-07	0.229269	hyper	sig	chr10_49401318
chr6	43285737	43285737	+	1.042E-07	6.0959E-07	0.26005	hyper	sig	chr6_43285737
chr6	30071655	30071655	+	1.046E-07	6.1166E-07	0.225032	hyper	sig	chr6_30071655
chr19	42881158	42881158	+	1.048E-07	6.1246E-07	-0.21557	hypo	sig	chr19_42881158
chr2	42492767	42492767	+	1.048E-07	6.1294E-07	0.2919	hyper	sig	chr2_42492767
chr16	66923533	66923533	+	1.049E-07	6.1312E-07	0.23244	hyper	sig	chr16_66923533
chr2	42492752	42492752	+	1.053E-07	6.152E-07	0.280378	hyper	sig	chr2_42492752
chr10	25935025	25935025	+	1.053E-07	6.1558E-07	0.206141	hyper	sig	chr10_25935025
chr19	17821376	17821376	+	1.055E-07	6.1662E-07	0.22273	hyper	sig	chr19_17821376
chr1	2928867	2928867	+	1.059E-07	6.1874E-07	-0.2131	hypo	sig	chr1_2928867
chr16	56340390	56340390	+	1.059E-07	6.1906E-07	-0.2413	hypo	sig	chr16_56340390
chr9	1.38E+08	137608461	+	1.061E-07	6.197E-07	-0.20427	hypo	sig	chr9_137608461
chr7	1748245	1748245	+	1.063E-07	6.2128E-07	-0.23889	hypo	sig	chr7_1748245

chr12	6167811	6167811	+	1.063E-07	6.2137E-07	-0.25405	hypo	sig	chr12_6167811
chr5	71446724	71446724	+	1.065E-07	6.2221E-07	-0.20395	hypo	sig	chr5_71446724
chr1	2.46E+08	245574641	+	1.067E-07	6.2333E-07	-0.2623	hypo	sig	chr1_245574641
chr11	2538481	2538481	+	1.067E-07	6.2346E-07	0.202143	hyper	sig	chr11_2538481
chr17	48544695	48544695	+	1.068E-07	6.237E-07	0.235066	hyper	sig	chr17_48544695
chr12	1.17E+08	117362435	+	1.069E-07	6.2457E-07	-0.20102	hypo	sig	chr12_117362435
chr1	38559227	38559227	+	1.07E-07	6.2506E-07	-0.20426	hypo	sig	chr1_38559227
chr2	2.42E+08	241776841	+	1.071E-07	6.253E-07	-0.23263	hypo	sig	chr2_241776841
chr19	55377963	55377963	+	1.072E-07	6.2588E-07	0.240583	hyper	sig	chr19_55377963
chr6	28513197	28513197	+	1.073E-07	6.2631E-07	-0.21696	hypo	sig	chr6_28513197
chr5	80331749	80331749	+	1.074E-07	6.2718E-07	-0.26177	hypo	sig	chr5_80331749
chr21	32413745	32413745	+	1.079E-07	6.302E-07	-0.20851	hypo	sig	chr21_32413745
chr12	34218842	34218842	+	1.08E-07	6.303E-07	0.216568	hyper	sig	chr12_34218842
chr1	2.29E+08	229344358	+	1.08E-07	6.3066E-07	-0.20856	hypo	sig	chr1_229344358
chr1	3428386	3428386	+	1.081E-07	6.3112E-07	-0.23133	hypo	sig	chr1_3428386
chr5	56487866	56487866	+	1.081E-07	6.3128E-07	0.229396	hyper	sig	chr5_56487866
chr10	75044069	75044069	+	1.082E-07	6.3135E-07	0.20071	hyper	sig	chr10_75044069
chr6	1.08E+08	108168142	+	1.084E-07	6.3294E-07	0.241105	hyper	sig	chr6_108168142
chr16	87604940	87604940	+	1.085E-07	6.3334E-07	-0.20003	hypo	sig	chr16_87604940
chr1	32216420	32216420	+	1.087E-07	6.3451E-07	-0.21885	hypo	sig	chr1_32216420
chr19	57171736	57171736	+	1.088E-07	6.3476E-07	0.283474	hyper	sig	chr19_57171736
chr7	57177868	57177868	+	1.089E-07	6.3543E-07	-0.23964	hypo	sig	chr7_57177868
chr14	1.05E+08	104588143	+	1.089E-07	6.3551E-07	-0.20982	hypo	sig	chr14_104588143
chr22	20430671	20430671	+	1.091E-07	6.3652E-07	-0.20605	hypo	sig	chr22_20430671
chr22	31098717	31098717	+	1.092E-07	6.373E-07	0.201925	hyper	sig	chr22_31098717
chr1	19288299	19288299	+	1.093E-07	6.3776E-07	-0.23983	hypo	sig	chr1_19288299
chr16	30445193	30445193	+	1.096E-07	6.393E-07	-0.29278	hypo	sig	chr16_30445193
chr5	2727687	2727687	+	1.096E-07	6.3959E-07	0.214501	hyper	sig	chr5_2727687
chr20	21397835	21397835	+	1.097E-07	6.3984E-07	0.248782	hyper	sig	chr20_21397835
chr9	1.37E+08	136821351	+	1.098E-07	6.4047E-07	0.24163	hyper	sig	chr9_136821351
chr19	53255479	53255479	+	1.099E-07	6.4079E-07	0.283893	hyper	sig	chr19_53255479
chr3	27720936	27720936	+	1.099E-07	6.4084E-07	0.218735	hyper	sig	chr3_27720936
chr1	10651384	10651384	+	1.1E-07	6.4137E-07	0.23423	hyper	sig	chr1_10651384
chr6	1.08E+08	108119749	+	1.1E-07	6.4178E-07	0.252797	hyper	sig	chr6_108119749
chr7	1849884	1849884	+	1.102E-07	6.4292E-07	0.251025	hyper	sig	chr7_1849884
chr1	1.47E+08	147073338	+	1.102E-07	6.4297E-07	0.213077	hyper	sig	chr1_147073338
chr19	1496380	1496380	+	1.102E-07	6.4298E-07	-0.22174	hypo	sig	chr19_1496380
chr13	22897690	22897690	+	1.103E-07	6.4316E-07	-0.23644	hypo	sig	chr13_22897690
chr2	2.42E+08	242047690	+	1.103E-07	6.4342E-07	0.200163	hyper	sig	chr2_242047690
chr3	1.94E+08	194488198	+	1.104E-07	6.4396E-07	-0.20569	hypo	sig	chr3_194488198
chr5	1.42E+08	141848385	+	1.105E-07	6.4434E-07	-0.21399	hypo	sig	chr5_141848385
chr11	636482	636482	+	1.105E-07	6.444E-07	0.200224	hyper	sig	chr11_636482
chr11	69891583	69891583	+	1.105E-07	6.4461E-07	-0.22012	hypo	sig	chr11_69891583
chr11	33828945	33828945	+	1.106E-07	6.4467E-07	0.21938	hyper	sig	chr11_33828945
chr16	369972	369972	+	1.108E-07	6.4619E-07	0.209555	hyper	sig	chr16_369972
chr14	60637944	60637944	+	1.109E-07	6.4649E-07	0.237177	hyper	sig	chr14_60637944
chr15	74134058	74134058	+	1.11E-07	6.4695E-07	0.238869	hyper	sig	chr15_74134058
chr10	8061710	8061710	+	1.11E-07	6.4715E-07	-0.21267	hypo	sig	chr10_8061710
chr13	30296586	30296586	+	1.11E-07	6.4736E-07	-0.23801	hypo	sig	chr13_30296586
chr12	65121524	65121524	+	1.111E-07	6.4745E-07	0.273316	hyper	sig	chr12_65121524
chr19	38303859	38303859	+	1.111E-07	6.4747E-07	-0.21913	hypo	sig	chr19_38303859
chr6	86937981	86937981	+	1.111E-07	6.4748E-07	0.21263	hyper	sig	chr6_86937981
chr6	44472849	44472849	+	1.111E-07	6.4752E-07	-0.2327	hypo	sig	chr6_44472849
chr5	1.33E+08	132748310	+	1.111E-07	6.4752E-07	-0.24135	hypo	sig	chr5_132748310
chr3	47009283	47009283	+	1.111E-07	6.4763E-07	0.211513	hyper	sig	chr3_47009283
chr16	88617442	88617442	+	1.111E-07	6.4764E-07	-0.22007	hypo	sig	chr16_88617442

chr13	42039626	42039626	+	1.111E-07	6.4767E-07	0.216027	hyper	sig	chr13_42039626
chr19	38869676	38869676	+	1.111E-07	6.4768E-07	0.218081	hyper	sig	chr19_38869676
chr17	8397751	8397751	+	1.112E-07	6.4836E-07	-0.20857	hypo	sig	chr17_8397751
chr4	7461280	7461280	+	1.113E-07	6.4865E-07	-0.30343	hypo	sig	chr4_7461280
chr6	43285733	43285733	+	1.114E-07	6.4924E-07	0.262262	hyper	sig	chr6_43285733
chr16	87648493	87648493	+	1.116E-07	6.5022E-07	-0.22895	hypo	sig	chr16_87648493
chr5	1.73E+08	173245544	+	1.117E-07	6.5079E-07	0.206827	hyper	sig	chr5_173245544
chr14	33800238	33800238	+	1.118E-07	6.5166E-07	0.202467	hyper	sig	chr14_33800238
chr14	1.05E+08	104907093	+	1.119E-07	6.523E-07	-0.20343	hypo	sig	chr14_104907093
chr17	83082188	83082188	+	1.12E-07	6.5267E-07	-0.22515	hypo	sig	chr17_83082188
chr6	33161283	33161283	+	1.121E-07	6.5343E-07	0.200509	hyper	sig	chr6_33161283
chr4	1.83E+08	182807043	+	1.122E-07	6.5346E-07	0.229091	hyper	sig	chr4_182807043
chr20	63421845	63421845	+	1.122E-07	6.5365E-07	-0.25771	hypo	sig	chr20_63421845
chr3	10164570	10164570	+	1.124E-07	6.5485E-07	-0.21699	hypo	sig	chr3_10164570
chr6	5995497	5995497	+	1.126E-07	6.5573E-07	0.230813	hyper	sig	chr6_5995497
chr17	4900171	4900171	+	1.127E-07	6.5672E-07	0.220211	hyper	sig	chr17_4900171
chr7	946148	946148	+	1.136E-07	6.6136E-07	-0.20841	hypo	sig	chr7_946148
chr14	1.06E+08	105564610	+	1.138E-07	6.6238E-07	-0.25611	hypo	sig	chr14_105564610
chr1	75797291	75797291	+	1.139E-07	6.6345E-07	-0.22422	hypo	sig	chr1_75797291
chr16	979193	979193	+	1.14E-07	6.6392E-07	-0.21042	hypo	sig	chr16_979193
chr18	37335685	37335685	+	1.142E-07	6.6473E-07	-0.25789	hypo	sig	chr18_37335685
chr1	27383825	27383825	+	1.142E-07	6.6474E-07	-0.23768	hypo	sig	chr1_27383825
chr11	1.34E+08	133788095	+	1.144E-07	6.6583E-07	0.223077	hyper	sig	chr11_133788095
chr3	1.82E+08	181724417	+	1.145E-07	6.6631E-07	0.262295	hyper	sig	chr3_181724417
chr1	31717683	31717683	+	1.147E-07	6.6747E-07	-0.20914	hypo	sig	chr1_31717683
chr2	72130761	72130761	+	1.147E-07	6.6777E-07	-0.22114	hypo	sig	chr2_72130761
chr7	1.3E+08	130492796	+	1.149E-07	6.6868E-07	0.214187	hyper	sig	chr7_130492796
chr14	1.04E+08	103696621	+	1.15E-07	6.6909E-07	0.254872	hyper	sig	chr14_103696621
chr5	1.39E+08	139383495	+	1.15E-07	6.6919E-07	-0.21821	hypo	sig	chr5_139383495
chr16	2960397	2960397	+	1.15E-07	6.6935E-07	-0.20704	hypo	sig	chr16_2960397
chr20	38433978	38433978	+	1.151E-07	6.6993E-07	-0.23872	hypo	sig	chr20_38433978
chr11	636489	636489	+	1.152E-07	6.704E-07	0.216788	hyper	sig	chr11_636489
chr7	51477792	51477792	+	1.154E-07	6.7158E-07	-0.23361	hypo	sig	chr7_51477792
chr5	51377367	51377367	+	1.157E-07	6.7321E-07	0.208202	hyper	sig	chr5_51377367
chr11	46296078	46296078	+	1.158E-07	6.7363E-07	0.295556	hyper	sig	chr11_46296078
chr7	1.3E+08	130490934	+	1.158E-07	6.738E-07	0.228687	hyper	sig	chr7_130490934
chr2	10347239	10347239	+	1.159E-07	6.7415E-07	0.204021	hyper	sig	chr2_10347239
chr13	1.14E+08	114005575	+	1.16E-07	6.7453E-07	-0.24542	hypo	sig	chr13_114005575
chr18	5196468	5196468	+	1.161E-07	6.7523E-07	0.215504	hyper	sig	chr18_5196468
chr3	36763975	36763975	+	1.163E-07	6.7637E-07	0.266732	hyper	sig	chr3_36763975
chr1	3236757	3236757	+	1.163E-07	6.7639E-07	-0.20152	hypo	sig	chr1_3236757
chr2	64867171	64867171	+	1.165E-07	6.7729E-07	-0.25084	hypo	sig	chr2_64867171
chr20	62216605	62216605	+	1.165E-07	6.7731E-07	-0.27454	hypo	sig	chr20_62216605
chr18	75207078	75207078	+	1.166E-07	6.7825E-07	0.247334	hyper	sig	chr18_75207078
chr17	1005551	1005551	+	1.167E-07	6.784E-07	0.23062	hyper	sig	chr17_1005551
chr10	1.03E+08	102919677	+	1.169E-07	6.7972E-07	0.244381	hyper	sig	chr10_102919677
chr10	1672297	1672297	+	1.172E-07	6.8123E-07	-0.21096	hypo	sig	chr10_1672297
chr1	1.83E+08	183417154	+	1.173E-07	6.8175E-07	0.202203	hyper	sig	chr1_183417154
chr19	55689070	55689070	+	1.173E-07	6.8215E-07	-0.24306	hypo	sig	chr19_55689070
chr20	57267068	57267068	+	1.174E-07	6.8233E-07	0.211935	hyper	sig	chr20_57267068
chr19	58033862	58033862	+	1.174E-07	6.8243E-07	0.238621	hyper	sig	chr19_58033862
chr19	728378	728378	+	1.176E-07	6.8364E-07	-0.22348	hypo	sig	chr19_728378
chr7	1.56E+08	155787004	+	1.176E-07	6.8372E-07	0.235554	hyper	sig	chr7_155787004
chr12	1.31E+08	131095975	+	1.177E-07	6.842E-07	-0.20856	hypo	sig	chr12_131095975
chr14	99659147	99659147	+	1.178E-07	6.8485E-07	-0.25853	hypo	sig	chr14_99659147
chr19	10712974	10712974	+	1.18E-07	6.8598E-07	-0.20809	hypo	sig	chr19_10712974

chr5	1.41E+08	141201362	+	1.181E-07	6.8623E-07	0.261216	hyper	sig	chr5_141201362
chr9	1.37E+08	136651187	+	1.181E-07	6.8625E-07	-0.2114	hypo	sig	chr9_136651187
chr11	1748356	1748356	+	1.181E-07	6.8637E-07	0.220723	hyper	sig	chr11_1748356
chr5	1.73E+08	173245564	+	1.182E-07	6.8711E-07	0.224967	hyper	sig	chr5_173245564
chr12	1.17E+08	117153054	+	1.184E-07	6.8817E-07	0.225372	hyper	sig	chr12_117153054
chr12	34399037	34399037	+	1.185E-07	6.8844E-07	-0.23546	hypo	sig	chr12_34399037
chr11	1.3E+08	130429063	+	1.185E-07	6.8853E-07	0.202644	hyper	sig	chr11_130429063
chr1	9279632	9279632	+	1.186E-07	6.8911E-07	-0.25295	hypo	sig	chr1_9279632
chr6	1384370	1384370	+	1.188E-07	6.9016E-07	0.227633	hyper	sig	chr6_1384370
chr17	78879935	78879935	+	1.189E-07	6.9051E-07	0.241045	hyper	sig	chr17_78879935
chr1	1.72E+08	171841095	+	1.19E-07	6.9137E-07	0.218024	hyper	sig	chr1_171841095
chr17	28716198	28716198	+	1.191E-07	6.9176E-07	-0.20435	hypo	sig	chr17_28716198
chr4	93834657	93834657	+	1.193E-07	6.9307E-07	0.206645	hyper	sig	chr4_93834657
chr19	521153	521153	+	1.194E-07	6.9324E-07	-0.24987	hypo	sig	chr19_521153
chr7	4190511	4190511	+	1.196E-07	6.9459E-07	-0.23529	hypo	sig	chr7_4190511
chr5	1.41E+08	141215598	+	1.199E-07	6.9638E-07	0.228291	hyper	sig	chr5_141215598
chr17	74958406	74958406	+	1.2E-07	6.9694E-07	-0.21618	hypo	sig	chr17_74958406
chr20	39047850	39047850	+	1.201E-07	6.9728E-07	-0.2	hypo	sig	chr20_39047850
chr6	1.44E+08	144278865	+	1.201E-07	6.9756E-07	-0.20346	hypo	sig	chr6_144278865
chr11	2415078	2415078	+	1.203E-07	6.9835E-07	-0.25427	hypo	sig	chr11_2415078
chr19	45815380	45815380	+	1.204E-07	6.9926E-07	0.244699	hyper	sig	chr19_45815380
chr8	41895862	41895862	+	1.205E-07	6.9952E-07	0.210123	hyper	sig	chr8_41895862
chr9	1.35E+08	134820055	+	1.205E-07	6.9973E-07	-0.20441	hypo	sig	chr9_134820055
chr22	48503838	48503838	+	1.206E-07	6.9996E-07	-0.20188	hypo	sig	chr22_48503838
chr11	724596	724596	+	1.207E-07	7.006E-07	0.246701	hyper	sig	chr11_724596
chr17	65538310	65538310	+	1.208E-07	7.0097E-07	-0.22919	hypo	sig	chr17_65538310
chr20	25853412	25853412	+	1.208E-07	7.01E-07	0.225035	hyper	sig	chr20_25853412
chr18	79626911	79626911	+	1.208E-07	7.0134E-07	0.238036	hyper	sig	chr18_79626911
chr18	12306813	12306813	+	1.209E-07	7.0164E-07	0.233812	hyper	sig	chr18_12306813
chr7	1.49E+08	149205584	+	1.209E-07	7.0165E-07	-0.20576	hypo	sig	chr7_149205584
chr7	74062007	74062007	+	1.209E-07	7.0178E-07	0.219171	hyper	sig	chr7_74062007
chr2	2.31E+08	231483162	+	1.212E-07	7.0333E-07	0.204572	hyper	sig	chr2_231483162
chr16	85643006	85643006	+	1.214E-07	7.0446E-07	-0.20252	hypo	sig	chr16_85643006
chr3	50193626	50193626	+	1.217E-07	7.0614E-07	0.224877	hyper	sig	chr3_50193626
chr4	7299232	7299232	+	1.217E-07	7.0643E-07	-0.23766	hypo	sig	chr4_7299232
chr8	55102577	55102577	+	1.218E-07	7.0656E-07	0.209032	hyper	sig	chr8_55102577
chr19	1409491	1409491	+	1.218E-07	7.0668E-07	0.200597	hyper	sig	chr19_1409491
chr12	1.32E+08	132426798	+	1.218E-07	7.0681E-07	-0.24197	hypo	sig	chr12_132426798
chr3	1.27E+08	126558921	+	1.221E-07	7.0836E-07	-0.22844	hypo	sig	chr3_126558921
chr4	304806	304806	+	1.223E-07	7.0959E-07	0.217118	hyper	sig	chr4_304806
chr8	1.44E+08	143928667	+	1.225E-07	7.105E-07	-0.20447	hypo	sig	chr8_143928667
chr10	1.2E+08	119818863	+	1.226E-07	7.1113E-07	0.200586	hyper	sig	chr10_119818863
chr12	52233656	52233656	+	1.226E-07	7.1129E-07	0.206	hyper	sig	chr12_52233656
chr15	52795035	52795035	+	1.228E-07	7.1206E-07	0.243295	hyper	sig	chr15_52795035
chr19	12194798	12194798	+	1.228E-07	7.1226E-07	0.20465	hyper	sig	chr19_12194798
chr20	58840198	58840198	+	1.229E-07	7.1281E-07	0.230559	hyper	sig	chr20_58840198
chr22	38873060	38873060	+	1.23E-07	7.1355E-07	0.202392	hyper	sig	chr22_38873060
chr5	1.73E+08	173243834	+	1.233E-07	7.1482E-07	0.228634	hyper	sig	chr5_173243834
chr19	22709198	22709198	+	1.233E-07	7.1521E-07	0.214372	hyper	sig	chr19_22709198
chr14	1.06E+08	105707483	+	1.234E-07	7.157E-07	-0.20707	hypo	sig	chr14_105707483
chr11	67616337	67616337	+	1.234E-07	7.1583E-07	0.215449	hyper	sig	chr11_67616337
chr7	1.58E+08	157528049	+	1.236E-07	7.1657E-07	-0.2754	hypo	sig	chr7_157528049
chr9	1.31E+08	130663470	+	1.236E-07	7.1667E-07	0.226539	hyper	sig	chr9_130663470
chr2	1591733	1591733	+	1.238E-07	7.1767E-07	0.222611	hyper	sig	chr2_1591733
chr6	43281673	43281673	+	1.238E-07	7.1767E-07	0.246159	hyper	sig	chr6_43281673
chr6	1619223	1619223	+	1.238E-07	7.1788E-07	0.205308	hyper	sig	chr6_1619223

chr2	2.42E+08	241552622	+	1.239E-07	7.1833E-07	-0.24035	hypo	sig	chr2_241552622
chr3	1.34E+08	133783755	+	1.241E-07	7.195E-07	0.204293	hyper	sig	chr3_133783755
chr3	1.26E+08	125960185	+	1.242E-07	7.1987E-07	-0.23668	hypo	sig	chr3_125960185
chr19	11362055	11362055	+	1.243E-07	7.2028E-07	-0.20437	hypo	sig	chr19_11362055
chr17	81461160	81461160	+	1.244E-07	7.2121E-07	-0.22081	hypo	sig	chr17_81461160
chr19	14210015	14210015	+	1.246E-07	7.2215E-07	0.207951	hyper	sig	chr19_14210015
chr3	1.85E+08	184769907	+	1.247E-07	7.2251E-07	-0.20143	hypo	sig	chr3_184769907
chr11	1.18E+08	117511971	+	1.248E-07	7.2323E-07	-0.24782	hypo	sig	chr11_117511971
chr19	4171736	4171736	+	1.248E-07	7.2323E-07	-0.23693	hypo	sig	chr19_4171736
chr2	1.13E+08	113276901	+	1.249E-07	7.2412E-07	0.2055	hyper	sig	chr2_113276901
chr14	33800179	33800179	+	1.25E-07	7.2441E-07	0.236773	hyper	sig	chr14_33800179
chr10	1.33E+08	132785083	+	1.252E-07	7.2552E-07	0.29366	hyper	sig	chr10_132785083
chr6	43511147	43511147	+	1.253E-07	7.2583E-07	-0.21005	hypo	sig	chr6_43511147
chr5	37834887	37834887	+	1.253E-07	7.2586E-07	0.214622	hyper	sig	chr5_37834887
chr16	50674010	50674010	+	1.253E-07	7.2602E-07	0.21926	hyper	sig	chr16_50674010
chr7	2019738	2019738	+	1.253E-07	7.2602E-07	-0.23792	hypo	sig	chr7_2019738
chr22	24428321	24428321	+	1.254E-07	7.2637E-07	-0.23494	hypo	sig	chr22_24428321
chr10	732106	732106	+	1.254E-07	7.2652E-07	-0.23201	hypo	sig	chr10_732106
chr7	1421097	1421097	+	1.255E-07	7.2734E-07	-0.20774	hypo	sig	chr7_1421097
chr11	70826313	70826313	+	1.258E-07	7.287E-07	0.208269	hyper	sig	chr11_70826313
chr4	1057351	1057351	+	1.258E-07	7.2909E-07	-0.22279	hypo	sig	chr4_1057351
chr8	1.42E+08	141523600	+	1.26E-07	7.2972E-07	-0.20688	hypo	sig	chr8_141523600
chr7	946225	946225	+	1.26E-07	7.3004E-07	-0.20491	hypo	sig	chr7_946225
chr13	52739833	52739833	+	1.261E-07	7.3026E-07	0.245215	hyper	sig	chr13_52739833
chr3	1.26E+08	125756209	+	1.262E-07	7.313E-07	-0.20046	hypo	sig	chr3_125756209
chr17	79836173	79836173	+	1.263E-07	7.317E-07	-0.22094	hypo	sig	chr17_79836173
chr11	636508	636508	+	1.264E-07	7.3232E-07	0.259645	hyper	sig	chr11_636508
chr3	14540448	14540448	+	1.265E-07	7.3283E-07	0.203724	hyper	sig	chr3_14540448
chr1	27350824	27350824	+	1.266E-07	7.3334E-07	0.236407	hyper	sig	chr1_27350824
chr11	70661720	70661720	+	1.266E-07	7.3351E-07	0.208313	hyper	sig	chr11_70661720
chr20	57408625	57408625	+	1.268E-07	7.3416E-07	0.219647	hyper	sig	chr20_57408625
chr6	33974652	33974652	+	1.268E-07	7.344E-07	0.243901	hyper	sig	chr6_33974652
chr17	7855616	7855616	+	1.268E-07	7.3456E-07	0.213113	hyper	sig	chr17_7855616
chr6	34514709	34514709	+	1.27E-07	7.3559E-07	0.219608	hyper	sig	chr6_34514709
chr12	1.31E+08	130918523	+	1.272E-07	7.365E-07	-0.21235	hypo	sig	chr12_130918523
chr10	1.32E+08	131776157	+	1.272E-07	7.365E-07	-0.20623	hypo	sig	chr10_131776157
chr12	1.13E+08	113478841	+	1.273E-07	7.3693E-07	0.310352	hyper	sig	chr12_113478841
chr6	31636233	31636233	+	1.279E-07	7.4049E-07	-0.26024	hypo	sig	chr6_31636233
chr10	1.33E+08	132851732	+	1.28E-07	7.408E-07	-0.28391	hypo	sig	chr10_132851732
chr19	3805898	3805898	+	1.281E-07	7.4171E-07	-0.23677	hypo	sig	chr19_3805898
chr17	2421935	2421935	+	1.283E-07	7.4255E-07	0.244764	hyper	sig	chr17_2421935
chr17	80859148	80859148	+	1.284E-07	7.4335E-07	0.20388	hyper	sig	chr17_80859148
chr12	1.21E+08	120650470	+	1.285E-07	7.4363E-07	0.238147	hyper	sig	chr12_120650470
chr16	1145371	1145371	+	1.286E-07	7.4421E-07	-0.21187	hypo	sig	chr16_1145371
chr1	54996925	54996925	+	1.287E-07	7.4472E-07	0.227533	hyper	sig	chr1_54996925
chr1	3083443	3083443	+	1.287E-07	7.4485E-07	-0.22176	hypo	sig	chr1_3083443
chr19	13979503	13979503	+	1.288E-07	7.4523E-07	0.229029	hyper	sig	chr19_13979503
chr7	74043473	74043473	+	1.288E-07	7.4558E-07	0.209994	hyper	sig	chr7_74043473
chr19	3097719	3097719	+	1.291E-07	7.4699E-07	0.217701	hyper	sig	chr19_3097719
chr3	10437520	10437520	+	1.291E-07	7.4734E-07	-0.21832	hypo	sig	chr3_10437520
chr17	7740783	7740783	+	1.292E-07	7.4738E-07	-0.2172	hypo	sig	chr17_7740783
chr1	3244823	3244823	+	1.292E-07	7.4748E-07	0.250811	hyper	sig	chr1_3244823
chr17	9826123	9826123	+	1.292E-07	7.475E-07	-0.20138	hypo	sig	chr17_9826123
chr5	2755385	2755385	+	1.292E-07	7.4761E-07	0.269585	hyper	sig	chr5_2755385
chr14	1.03E+08	103102922	+	1.3E-07	7.5187E-07	0.228857	hyper	sig	chr14_103102922
chr1	27632752	27632752	+	1.3E-07	7.5215E-07	-0.20613	hypo	sig	chr1_27632752

chr10	3238372	3238372	+	1.301E-07	7.5281E-07	0.206031	hyper	sig	chr10_3238372
chr10	1.3E+08	130042817	+	1.302E-07	7.5318E-07	-0.2207	hypo	sig	chr10_130042817
chr5	1.46E+08	146340306	+	1.302E-07	7.532E-07	0.20952	hyper	sig	chr5_146340306
chr1	34176798	34176798	+	1.303E-07	7.5351E-07	0.205757	hyper	sig	chr1_34176798
chr15	52784597	52784597	+	1.303E-07	7.5366E-07	0.238544	hyper	sig	chr15_52784597
chr21	39317688	39317688	+	1.304E-07	7.5392E-07	-0.22632	hypo	sig	chr21_39317688
chr20	62774206	62774206	+	1.304E-07	7.544E-07	-0.21057	hypo	sig	chr20_62774206
chr19	18866391	18866391	+	1.305E-07	7.5448E-07	0.255063	hyper	sig	chr19_18866391
chr5	3597333	3597333	+	1.309E-07	7.5675E-07	0.275725	hyper	sig	chr5_3597333
chr19	45901393	45901393	+	1.31E-07	7.5771E-07	0.28684	hyper	sig	chr19_45901393
chr6	30883814	30883814	+	1.311E-07	7.5791E-07	-0.21658	hypo	sig	chr6_30883814
chr10	1.04E+08	104335296	+	1.312E-07	7.5841E-07	-0.22153	hypo	sig	chr10_104335296
chr5	1.41E+08	140801633	+	1.312E-07	7.586E-07	0.248121	hyper	sig	chr5_140801633
chr20	64165086	64165086	+	1.313E-07	7.5938E-07	0.208467	hyper	sig	chr20_64165086
chr6	28616610	28616610	+	1.316E-07	7.6063E-07	0.208479	hyper	sig	chr6_28616610
chr15	67830215	67830215	+	1.316E-07	7.6075E-07	0.205351	hyper	sig	chr15_67830215
chr1	3322608	3322608	+	1.319E-07	7.6223E-07	-0.2117	hypo	sig	chr1_3322608
chr5	1.41E+08	141102115	+	1.319E-07	7.6256E-07	0.25017	hyper	sig	chr5_141102115
chr1	27360769	27360769	+	1.32E-07	7.6308E-07	0.220734	hyper	sig	chr1_27360769
chr4	80185509	80185509	+	1.32E-07	7.6327E-07	0.22764	hyper	sig	chr4_80185509
chr7	1.55E+08	155409281	+	1.322E-07	7.6395E-07	0.221942	hyper	sig	chr7_155409281
chr6	33180996	33180996	+	1.322E-07	7.6431E-07	-0.21319	hypo	sig	chr6_33180996
chr16	661305	661305	+	1.323E-07	7.649E-07	0.242577	hyper	sig	chr16_661305
chr17	78125525	78125525	+	1.324E-07	7.6496E-07	-0.20779	hypo	sig	chr17_78125525
chr6	1.68E+08	168196937	+	1.325E-07	7.6587E-07	-0.2367	hypo	sig	chr6_168196937
chr14	75980084	75980084	+	1.326E-07	7.6606E-07	0.231399	hyper	sig	chr14_75980084
chr6	1388956	1388956	+	1.326E-07	7.6649E-07	0.208411	hyper	sig	chr6_1388956
chr1	2E+08	200036789	+	1.328E-07	7.6741E-07	0.21853	hyper	sig	chr1_200036789
chr14	99659539	99659539	+	1.331E-07	7.6912E-07	0.21818	hyper	sig	chr14_99659539
chr3	1.2E+08	119810226	+	1.333E-07	7.7013E-07	0.21118	hyper	sig	chr3_119810226
chr7	1.5E+08	149765795	+	1.333E-07	7.7026E-07	0.203333	hyper	sig	chr7_149765795
chr4	8691455	8691455	+	1.333E-07	7.7028E-07	-0.22744	hypo	sig	chr4_8691455
chr11	48900365	48900365	+	1.334E-07	7.7064E-07	0.226429	hyper	sig	chr11_48900365
chr17	39741057	39741057	+	1.334E-07	7.7066E-07	0.230472	hyper	sig	chr17_39741057
chr19	42393097	42393097	+	1.335E-07	7.7116E-07	-0.24313	hypo	sig	chr19_42393097
chr16	4680341	4680341	+	1.335E-07	7.7127E-07	-0.24374	hypo	sig	chr16_4680341
chr12	1.23E+08	122984791	+	1.335E-07	7.7135E-07	0.239079	hyper	sig	chr12_122984791
chr16	11676168	11676168	+	1.337E-07	7.7207E-07	-0.20378	hypo	sig	chr16_11676168
chr16	50274182	50274182	+	1.337E-07	7.724E-07	-0.24582	hypo	sig	chr16_50274182
chr19	422253	422253	+	1.337E-07	7.7241E-07	-0.20898	hypo	sig	chr19_422253
chr22	32205114	32205114	+	1.34E-07	7.738E-07	-0.22527	hypo	sig	chr22_32205114
chr11	67307954	67307954	+	1.34E-07	7.7406E-07	0.217773	hyper	sig	chr11_67307954
chr9	1.24E+08	124448596	+	1.341E-07	7.7447E-07	-0.21792	hypo	sig	chr9_124448596
chr10	31583368	31583368	+	1.344E-07	7.761E-07	0.213604	hyper	sig	chr10_31583368
chr19	3507807	3507807	+	1.344E-07	7.7636E-07	0.218054	hyper	sig	chr19_3507807
chr1	2.03E+08	202642357	+	1.345E-07	7.7665E-07	0.205683	hyper	sig	chr1_202642357
chr6	30071638	30071638	+	1.346E-07	7.7706E-07	0.224118	hyper	sig	chr6_30071638
chr13	23696234	23696234	+	1.346E-07	7.773E-07	-0.23068	hypo	sig	chr13_23696234
chr19	10712962	10712962	+	1.347E-07	7.7771E-07	-0.2242	hypo	sig	chr19_10712962
chr7	35455079	35455079	+	1.348E-07	7.7829E-07	0.222635	hyper	sig	chr7_35455079
chr5	2418750	2418750	+	1.35E-07	7.7922E-07	-0.25575	hypo	sig	chr5_2418750
chr6	1E+08	100466016	+	1.35E-07	7.7942E-07	0.216016	hyper	sig	chr6_100466016
chr15	25241951	25241951	+	1.35E-07	7.7962E-07	-0.20567	hypo	sig	chr15_25241951
chr17	50634312	50634312	+	1.351E-07	7.8024E-07	-0.24376	hypo	sig	chr17_50634312
chr5	37834990	37834990	+	1.352E-07	7.806E-07	0.214437	hyper	sig	chr5_37834990
chr18	23690561	23690561	+	1.355E-07	7.823E-07	-0.20448	hypo	sig	chr18_23690561

chr6	34157497	34157497	+	1.356E-07	7.8256E-07	-0.23099	hypo	sig	chr6_34157497
chr10	97974468	97974468	+	1.357E-07	7.8308E-07	0.244061	hyper	sig	chr10_97974468
chr14	60658294	60658294	+	1.36E-07	7.8511E-07	0.21089	hyper	sig	chr14_60658294
chr12	1.2E+08	120371468	+	1.362E-07	7.8612E-07	-0.20723	hypo	sig	chr12_120371468
chr7	56448153	56448153	+	1.363E-07	7.8672E-07	0.209075	hyper	sig	chr7_56448153
chr7	45088632	45088632	+	1.365E-07	7.878E-07	0.335189	hyper	sig	chr7_45088632
chr5	1.74E+08	174311279	+	1.367E-07	7.8906E-07	-0.22486	hypo	sig	chr5_174311279
chr1	1.1E+08	109636503	+	1.368E-07	7.8919E-07	-0.20548	hypo	sig	chr1_109636503
chr16	88497804	88497804	+	1.371E-07	7.9121E-07	0.21527	hyper	sig	chr16_88497804
chr3	9136613	9136613	+	1.373E-07	7.9194E-07	0.227059	hyper	sig	chr3_9136613
chr6	3777811	3777811	+	1.373E-07	7.9195E-07	-0.22604	hypo	sig	chr6_3777811
chr6	1.37E+08	137487772	+	1.375E-07	7.9308E-07	0.220394	hyper	sig	chr6_137487772
chr6	10384779	10384779	+	1.379E-07	7.9556E-07	0.257537	hyper	sig	chr6_10384779
chr14	23409587	23409587	+	1.379E-07	7.9561E-07	-0.20564	hypo	sig	chr14_23409587
chr8	38650847	38650847	+	1.38E-07	7.9584E-07	0.214911	hyper	sig	chr8_38650847
chr19	2513606	2513606	+	1.381E-07	7.9633E-07	-0.24328	hypo	sig	chr19_2513606
chr16	55478956	55478956	+	1.383E-07	7.9784E-07	0.226216	hyper	sig	chr16_55478956
chr12	1.32E+08	131848744	+	1.387E-07	7.9989E-07	-0.2081	hypo	sig	chr12_131848744
chr6	87122409	87122409	+	1.388E-07	8.0031E-07	-0.21043	hypo	sig	chr6_87122409
chr18	8718556	8718556	+	1.388E-07	8.0059E-07	0.220064	hyper	sig	chr18_8718556
chr3	1.38E+08	137771735	+	1.389E-07	8.0073E-07	0.206344	hyper	sig	chr3_137771735
chr19	2346281	2346281	+	1.39E-07	8.0157E-07	-0.22753	hypo	sig	chr19_2346281
chr19	2513620	2513620	+	1.39E-07	8.0157E-07	-0.22553	hypo	sig	chr19_2513620
chr4	1.08E+08	107930839	+	1.391E-07	8.0203E-07	0.256221	hyper	sig	chr4_107930839
chr16	1238508	1238508	+	1.392E-07	8.0246E-07	-0.22441	hypo	sig	chr16_1238508
chr1	12031417	12031417	+	1.396E-07	8.0465E-07	0.206	hyper	sig	chr1_12031417
chr3	10505146	10505146	+	1.397E-07	8.0502E-07	0.219367	hyper	sig	chr3_10505146
chr10	79239991	79239991	+	1.398E-07	8.0597E-07	0.281254	hyper	sig	chr10_79239991
chr11	1.33E+08	133065021	+	1.4E-07	8.067E-07	-0.21902	hypo	sig	chr11_133065021
chr20	34559929	34559929	+	1.4E-07	8.0685E-07	0.201334	hyper	sig	chr20_34559929
chr1	2.04E+08	204152746	+	1.401E-07	8.0738E-07	0.202733	hyper	sig	chr1_204152746
chr10	75408764	75408764	+	1.402E-07	8.0782E-07	0.221548	hyper	sig	chr10_75408764
chr19	38079855	38079855	+	1.402E-07	8.08E-07	-0.2305	hypo	sig	chr19_38079855
chr13	24638251	24638251	+	1.408E-07	8.1143E-07	0.275076	hyper	sig	chr13_24638251
chr1	50846509	50846509	+	1.41E-07	8.1253E-07	-0.22001	hypo	sig	chr1_50846509
chr12	57736542	57736542	+	1.415E-07	8.1491E-07	0.22144	hyper	sig	chr12_57736542
chr13	20946190	20946190	+	1.415E-07	8.1517E-07	0.239417	hyper	sig	chr13_20946190
chr5	270366	270366	+	1.416E-07	8.1548E-07	-0.21095	hypo	sig	chr5_270366
chr6	1.52E+08	151807203	+	1.417E-07	8.1614E-07	0.201471	hyper	sig	chr6_151807203
chr9	98943436	98943436	+	1.419E-07	8.1725E-07	0.299931	hyper	sig	chr9_98943436
chr8	55102604	55102604	+	1.419E-07	8.1735E-07	0.235278	hyper	sig	chr8_55102604
chr3	40615524	40615524	+	1.422E-07	8.1913E-07	0.223764	hyper	sig	chr3_40615524
chr15	23687473	23687473	+	1.424E-07	8.2016E-07	0.262075	hyper	sig	chr15_23687473
chr19	3821213	3821213	+	1.426E-07	8.2108E-07	-0.26427	hypo	sig	chr19_3821213
chr15	78621876	78621876	+	1.427E-07	8.2159E-07	-0.20244	hypo	sig	chr15_78621876
chr16	85444971	85444971	+	1.427E-07	8.2186E-07	-0.20891	hypo	sig	chr16_85444971
chr1	22351360	22351360	+	1.428E-07	8.2229E-07	0.203797	hyper	sig	chr1_22351360
chr10	1.28E+08	127735478	+	1.429E-07	8.2284E-07	0.222134	hyper	sig	chr10_127735478
chr5	1.8E+08	179801668	+	1.43E-07	8.2335E-07	0.250516	hyper	sig	chr5_179801668
chr8	93701312	93701312	+	1.431E-07	8.2384E-07	0.211131	hyper	sig	chr8_93701312
chr17	22305016	22305016	+	1.432E-07	8.2444E-07	-0.21719	hypo	sig	chr17_22305016
chr1	42785020	42785020	+	1.433E-07	8.2468E-07	0.20881	hyper	sig	chr1_42785020
chr11	94545682	94545682	+	1.436E-07	8.2673E-07	-0.20666	hypo	sig	chr11_94545682
chr16	67667475	67667475	+	1.439E-07	8.2825E-07	0.215429	hyper	sig	chr16_67667475
chr11	69086333	69086333	+	1.439E-07	8.2837E-07	0.220587	hyper	sig	chr11_69086333
chr7	4308271	4308271	+	1.442E-07	8.2973E-07	-0.22141	hypo	sig	chr7_4308271

chr17	44559232	44559232	+	1.442E-07	8.2981E-07	0.215484	hyper	sig	chr17_44559232
chr17	1180626	1180626	+	1.443E-07	8.304E-07	0.232807	hyper	sig	chr17_1180626
chr21	44391580	44391580	+	1.448E-07	8.3338E-07	0.231894	hyper	sig	chr21_44391580
chr14	64601696	64601696	+	1.449E-07	8.3376E-07	0.210868	hyper	sig	chr14_64601696
chr11	18412306	18412306	+	1.45E-07	8.3433E-07	0.210211	hyper	sig	chr11_18412306
chr1	1.57E+08	156924476	+	1.45E-07	8.3441E-07	0.22276	hyper	sig	chr1_156924476
chr8	1.44E+08	144327550	+	1.451E-07	8.3466E-07	0.212895	hyper	sig	chr8_144327550
chr17	45844978	45844978	+	1.452E-07	8.3511E-07	-0.23495	hypo	sig	chr17_45844978
chr17	82388950	82388950	+	1.452E-07	8.3513E-07	-0.22223	hypo	sig	chr17_82388950
chr19	48552206	48552206	+	1.452E-07	8.3541E-07	-0.2307	hypo	sig	chr19_48552206
chr13	18727322	18727322	+	1.452E-07	8.355E-07	-0.21126	hypo	sig	chr13_18727322
chr9	1.32E+08	132155316	+	1.453E-07	8.3556E-07	-0.2081	hypo	sig	chr9_132155316
chr4	93834666	93834666	+	1.453E-07	8.3569E-07	0.211649	hyper	sig	chr4_93834666
chr3	50193508	50193508	+	1.453E-07	8.3582E-07	0.241967	hyper	sig	chr3_50193508
chr1	26786763	26786763	+	1.454E-07	8.3624E-07	0.224631	hyper	sig	chr1_26786763
chr12	1.1E+08	109606763	+	1.454E-07	8.3648E-07	0.208222	hyper	sig	chr12_109606763
chr10	1.32E+08	132221832	+	1.455E-07	8.3694E-07	-0.24437	hypo	sig	chr10_132221832
chr11	507870	507870	+	1.461E-07	8.3997E-07	0.281294	hyper	sig	chr11_507870
chr8	1476506	1476506	+	1.461E-07	8.4025E-07	-0.20288	hypo	sig	chr8_1476506
chr22	31342563	31342563	+	1.463E-07	8.4103E-07	0.212751	hyper	sig	chr22_31342563
chr3	1.42E+08	141797707	+	1.465E-07	8.4203E-07	0.224734	hyper	sig	chr3_141797707
chr6	1.68E+08	167746568	+	1.467E-07	8.4349E-07	0.284722	hyper	sig	chr6_167746568
chr11	45661851	45661851	+	1.468E-07	8.438E-07	-0.22	hypo	sig	chr11_45661851
chr7	32318644	32318644	+	1.468E-07	8.4388E-07	0.280758	hyper	sig	chr7_32318644
chr3	10764985	10764985	+	1.469E-07	8.4422E-07	-0.23441	hypo	sig	chr3_10764985
chr7	1.5E+08	150038584	+	1.471E-07	8.4545E-07	-0.22414	hypo	sig	chr7_150038584
chr5	93587978	93587978	+	1.472E-07	8.4582E-07	0.22401	hyper	sig	chr5_93587978
chr14	64601900	64601900	+	1.476E-07	8.4835E-07	0.204122	hyper	sig	chr14_64601900
chr22	36482644	36482644	+	1.477E-07	8.4846E-07	-0.21637	hypo	sig	chr22_36482644
chr9	95045387	95045387	+	1.478E-07	8.4946E-07	0.219838	hyper	sig	chr9_95045387
chr7	27092111	27092111	+	1.479E-07	8.497E-07	-0.24467	hypo	sig	chr7_27092111
chr5	93573056	93573056	+	1.48E-07	8.5016E-07	0.243171	hyper	sig	chr5_93573056
chr19	7734717	7734717	+	1.484E-07	8.526E-07	-0.214	hypo	sig	chr19_7734717
chr9	41266845	41266845	+	1.487E-07	8.5431E-07	0.203384	hyper	sig	chr9_41266845
chr6	1E+08	100467591	+	1.489E-07	8.5493E-07	0.221815	hyper	sig	chr6_100467591
chr16	85480353	85480353	+	1.489E-07	8.5499E-07	-0.20048	hypo	sig	chr16_85480353
chr2	25161438	25161438	+	1.489E-07	8.5512E-07	0.205188	hyper	sig	chr2_25161438
chr10	22476997	22476997	+	1.489E-07	8.5516E-07	0.257198	hyper	sig	chr10_22476997
chr8	1.44E+08	144336071	+	1.49E-07	8.5551E-07	0.241233	hyper	sig	chr8_144336071
chr11	32331182	32331182	+	1.49E-07	8.5572E-07	-0.20903	hypo	sig	chr11_32331182
chr20	63029485	63029485	+	1.492E-07	8.5668E-07	0.22381	hyper	sig	chr20_63029485
chr7	1.3E+08	130490995	+	1.492E-07	8.5697E-07	0.24701	hyper	sig	chr7_130490995
chr5	2129073	2129073	+	1.494E-07	8.5768E-07	0.200448	hyper	sig	chr5_2129073
chr16	55478958	55478958	+	1.494E-07	8.5774E-07	0.219444	hyper	sig	chr16_55478958
chr3	1.84E+08	184338845	+	1.495E-07	8.5843E-07	0.207681	hyper	sig	chr3_184338845
chr20	56626007	56626007	+	1.497E-07	8.5929E-07	0.27897	hyper	sig	chr20_56626007
chr12	27021663	27021663	+	1.498E-07	8.5988E-07	-0.23051	hypo	sig	chr12_27021663
chr14	1.01E+08	100827122	+	1.498E-07	8.6022E-07	0.213727	hyper	sig	chr14_100827122
chr5	1.41E+08	141102136	+	1.5E-07	8.6095E-07	0.260859	hyper	sig	chr5_141102136
chr10	80536387	80536387	+	1.5E-07	8.6128E-07	-0.20082	hypo	sig	chr10_80536387
chr11	1.3E+08	130206406	+	1.5E-07	8.6139E-07	-0.20106	hypo	sig	chr11_130206406
chr19	11361368	11361368	+	1.501E-07	8.6178E-07	-0.20035	hypo	sig	chr19_11361368
chr12	54078282	54078282	+	1.503E-07	8.6272E-07	0.219326	hyper	sig	chr12_54078282
chr12	1.32E+08	132334173	+	1.505E-07	8.6386E-07	-0.20605	hypo	sig	chr12_132334173
chr16	2034265	2034265	+	1.505E-07	8.6395E-07	0.202056	hyper	sig	chr16_2034265
chr16	21521376	21521376	+	1.506E-07	8.6445E-07	0.228634	hyper	sig	chr16_21521376

chr20	9507286	9507286	+	1.506E-07	8.6465E-07	0.257438	hyper	sig	chr20_9507286
chr3	52222269	52222269	+	1.507E-07	8.6477E-07	-0.25603	hypo	sig	chr3_52222269
chr19	43501949	43501949	+	1.51E-07	8.6655E-07	0.209461	hyper	sig	chr19_43501949
chr17	45429063	45429063	+	1.511E-07	8.6688E-07	0.206549	hyper	sig	chr17_45429063
chr3	1.34E+08	133746345	+	1.511E-07	8.6725E-07	0.213841	hyper	sig	chr3_133746345
chr5	1.41E+08	141078031	+	1.512E-07	8.6775E-07	0.209301	hyper	sig	chr5_141078031
chr16	29154673	29154673	+	1.513E-07	8.6821E-07	0.204254	hyper	sig	chr16_29154673
chr16	87762817	87762817	+	1.514E-07	8.6881E-07	-0.21351	hypo	sig	chr16_87762817
chr19	53329185	53329185	+	1.514E-07	8.6894E-07	0.234961	hyper	sig	chr19_53329185
chr7	2678692	2678692	+	1.517E-07	8.7053E-07	-0.25045	hypo	sig	chr7_2678692
chr4	48484397	48484397	+	1.518E-07	8.7081E-07	0.242801	hyper	sig	chr4_48484397
chr17	7446990	7446990	+	1.518E-07	8.7088E-07	0.254774	hyper	sig	chr17_7446990
chr11	1434306	1434306	+	1.522E-07	8.7287E-07	-0.20901	hypo	sig	chr11_1434306
chr18	48137812	48137812	+	1.527E-07	8.7578E-07	-0.20632	hypo	sig	chr18_48137812
chr16	85709886	85709886	+	1.527E-07	8.7594E-07	0.210622	hyper	sig	chr16_85709886
chr7	22549172	22549172	+	1.528E-07	8.7635E-07	-0.20144	hypo	sig	chr7_22549172
chr7	2528259	2528259	+	1.529E-07	8.7669E-07	-0.20637	hypo	sig	chr7_2528259
chr17	34579603	34579603	+	1.531E-07	8.7787E-07	0.206282	hyper	sig	chr17_34579603
chr9	1.35E+08	134831266	+	1.532E-07	8.786E-07	-0.24847	hypo	sig	chr9_134831266
chr6	32148814	32148814	+	1.533E-07	8.7925E-07	0.242364	hyper	sig	chr6_32148814
chr17	2058324	2058324	+	1.533E-07	8.793E-07	0.226944	hyper	sig	chr17_2058324
chr1	17149292	17149292	+	1.536E-07	8.8059E-07	0.232202	hyper	sig	chr1_17149292
chr19	1732553	1732553	+	1.536E-07	8.8067E-07	-0.29407	hypo	sig	chr19_1732553
chr7	1.5E+08	149821686	+	1.536E-07	8.8084E-07	-0.20992	hypo	sig	chr7_149821686
chr17	76635903	76635903	+	1.538E-07	8.8208E-07	0.229661	hyper	sig	chr17_76635903
chr5	77973526	77973526	+	1.54E-07	8.8295E-07	0.20589	hyper	sig	chr5_77973526
chr6	5994946	5994946	+	1.54E-07	8.8317E-07	0.210092	hyper	sig	chr6_5994946
chr1	1758883	1758883	+	1.541E-07	8.8331E-07	-0.25812	hypo	sig	chr1_1758883
chr7	6527071	6527071	+	1.541E-07	8.836E-07	0.200102	hyper	sig	chr7_6527071
chr5	93573113	93573113	+	1.543E-07	8.8454E-07	0.24732	hyper	sig	chr5_93573113
chr5	1.41E+08	141403714	+	1.543E-07	8.8459E-07	0.212361	hyper	sig	chr5_141403714
chr19	16034281	16034281	+	1.547E-07	8.865E-07	-0.20249	hypo	sig	chr19_16034281
chr12	51269512	51269512	+	1.547E-07	8.8678E-07	-0.20558	hypo	sig	chr12_51269512
chr17	2855081	2855081	+	1.55E-07	8.8811E-07	0.209058	hyper	sig	chr17_2855081
chr7	45001641	45001641	+	1.55E-07	8.8817E-07	-0.22322	hypo	sig	chr7_45001641
chr7	1.35E+08	135186074	+	1.551E-07	8.8893E-07	-0.20497	hypo	sig	chr7_135186074
chr16	920835	920835	+	1.552E-07	8.8919E-07	0.247619	hyper	sig	chr16_920835
chr1	44118784	44118784	+	1.553E-07	8.9014E-07	-0.21077	hypo	sig	chr1_44118784
chr10	92695805	92695805	+	1.554E-07	8.9031E-07	0.213376	hyper	sig	chr10_92695805
chr16	86558912	86558912	+	1.556E-07	8.9138E-07	0.204519	hyper	sig	chr16_86558912
chr11	67409495	67409495	+	1.557E-07	8.9214E-07	-0.20311	hypo	sig	chr11_67409495
chr17	28986107	28986107	+	1.557E-07	8.9232E-07	0.215242	hyper	sig	chr17_28986107
chr1	3902844	3902844	+	1.558E-07	8.925E-07	-0.21844	hypo	sig	chr1_3902844
chr1	54254343	54254343	+	1.559E-07	8.9331E-07	-0.21035	hypo	sig	chr1_54254343
chr14	53952160	53952160	+	1.56E-07	8.9352E-07	0.218802	hyper	sig	chr14_53952160
chr19	15508267	15508267	+	1.561E-07	8.941E-07	0.231438	hyper	sig	chr19_15508267
chr20	63690099	63690099	+	1.561E-07	8.941E-07	-0.22564	hypo	sig	chr20_63690099
chr1	1.5E+08	149900384	+	1.563E-07	8.951E-07	0.200908	hyper	sig	chr1_149900384
chr14	24172631	24172631	+	1.563E-07	8.9514E-07	0.208176	hyper	sig	chr14_24172631
chr3	1.82E+08	181725304	+	1.565E-07	8.9631E-07	0.220005	hyper	sig	chr3_181725304
chr6	33633073	33633073	+	1.567E-07	8.9733E-07	0.207091	hyper	sig	chr6_33633073
chr12	1.11E+08	111033572	+	1.567E-07	8.9767E-07	0.229157	hyper	sig	chr12_111033572
chr1	1421442	1421442	+	1.568E-07	8.9791E-07	-0.20459	hypo	sig	chr1_1421442
chr2	2.4E+08	239776522	+	1.572E-07	9.0016E-07	-0.2166	hypo	sig	chr2_239776522
chr7	1747735	1747735	+	1.574E-07	9.0112E-07	-0.221	hypo	sig	chr7_1747735
chr3	50217904	50217904	+	1.575E-07	9.0205E-07	-0.21325	hypo	sig	chr3_50217904

chr19	56840882	56840882	+	1.576E-07	9.0246E-07	0.21563	hyper	sig	chr19_56840882
chr1	2.28E+08	228058952	+	1.579E-07	9.0391E-07	0.201316	hyper	sig	chr1_228058952
chr8	1.43E+08	143494524	+	1.58E-07	9.0467E-07	0.242012	hyper	sig	chr8_143494524
chr19	3825489	3825489	+	1.583E-07	9.061E-07	0.206187	hyper	sig	chr19_3825489
chr3	36762161	36762161	+	1.587E-07	9.0868E-07	-0.22003	hypo	sig	chr3_36762161
chr20	62820470	62820470	+	1.59E-07	9.1003E-07	-0.22864	hypo	sig	chr20_62820470
chr14	1.05E+08	105011919	+	1.591E-07	9.1072E-07	0.210278	hyper	sig	chr14_105011919
chr5	98839591	98839591	+	1.593E-07	9.1159E-07	0.23397	hyper	sig	chr5_98839591
chr20	45308109	45308109	+	1.593E-07	9.1181E-07	-0.23701	hypo	sig	chr20_45308109
chr5	1.41E+08	140829518	+	1.593E-07	9.1185E-07	0.222915	hyper	sig	chr5_140829518
chr22	50206539	50206539	+	1.594E-07	9.1246E-07	0.253388	hyper	sig	chr22_50206539
chr13	1.12E+08	112331754	+	1.6E-07	9.1528E-07	0.221476	hyper	sig	chr13_112331754
chr12	1.32E+08	132452267	+	1.606E-07	9.1852E-07	-0.22856	hypo	sig	chr12_132452267
chr7	31335248	31335248	+	1.607E-07	9.193E-07	-0.21364	hypo	sig	chr7_31335248
chr11	77107680	77107680	+	1.608E-07	9.2007E-07	-0.20335	hypo	sig	chr11_77107680
chr5	958951	958951	+	1.609E-07	9.2023E-07	-0.20168	hypo	sig	chr5_958951
chr6	44227065	44227065	+	1.611E-07	9.2146E-07	0.204507	hyper	sig	chr6_44227065
chr1	1.8E+08	180233687	+	1.613E-07	9.2269E-07	0.246647	hyper	sig	chr1_180233687
chr2	1.76E+08	176091618	+	1.613E-07	9.2271E-07	-0.20578	hypo	sig	chr2_176091618
chr9	1.32E+08	132155322	+	1.616E-07	9.2444E-07	-0.21456	hypo	sig	chr9_132155322
chr10	1.17E+08	117132784	+	1.618E-07	9.2518E-07	0.224396	hyper	sig	chr10_117132784
chr17	44559236	44559236	+	1.618E-07	9.2533E-07	0.219904	hyper	sig	chr17_44559236
chr11	1.13E+08	113275096	+	1.619E-07	9.2564E-07	-0.21209	hypo	sig	chr11_113275096
chr11	1.34E+08	133984261	+	1.62E-07	9.2627E-07	-0.21089	hypo	sig	chr11_133984261
chr16	88206358	88206358	+	1.622E-07	9.2723E-07	-0.20749	hypo	sig	chr16_88206358
chr2	66583209	66583209	+	1.625E-07	9.2893E-07	0.209269	hyper	sig	chr2_66583209
chr12	48994593	48994593	+	1.627E-07	9.2997E-07	0.291165	hyper	sig	chr12_48994593
chr11	1849923	1849923	+	1.627E-07	9.3029E-07	-0.20373	hypo	sig	chr11_1849923
chr11	2271675	2271675	+	1.628E-07	9.3041E-07	0.210244	hyper	sig	chr11_2271675
chr11	69891477	69891477	+	1.63E-07	9.3202E-07	-0.254	hypo	sig	chr11_69891477
chr1	16227770	16227770	+	1.631E-07	9.3218E-07	0.214554	hyper	sig	chr1_16227770
chr6	32148302	32148302	+	1.633E-07	9.3362E-07	0.212545	hyper	sig	chr6_32148302
chr1	16759138	16759138	+	1.634E-07	9.3398E-07	0.245549	hyper	sig	chr1_16759138
chr16	1427904	1427904	+	1.635E-07	9.3466E-07	-0.21266	hypo	sig	chr16_1427904
chr12	55746161	55746161	+	1.636E-07	9.3488E-07	0.267485	hyper	sig	chr12_55746161
chr11	1.34E+08	134387681	+	1.637E-07	9.3539E-07	-0.21026	hypo	sig	chr11_134387681
chr11	1.03E+08	102768067	+	1.641E-07	9.3762E-07	0.220902	hyper	sig	chr11_102768067
chr13	1.11E+08	110869564	+	1.645E-07	9.402E-07	-0.29654	hypo	sig	chr13_110869564
chr19	35142540	35142540	+	1.646E-07	9.4066E-07	-0.21443	hypo	sig	chr19_35142540
chr12	34321732	34321732	+	1.647E-07	9.4102E-07	-0.22643	hypo	sig	chr12_34321732
chr1	54781412	54781412	+	1.647E-07	9.4112E-07	0.225314	hyper	sig	chr1_54781412
chr20	64072402	64072402	+	1.647E-07	9.4125E-07	-0.22405	hypo	sig	chr20_64072402
chr7	1.57E+08	157006187	+	1.648E-07	9.4137E-07	0.276939	hyper	sig	chr7_157006187
chr11	77138064	77138064	+	1.648E-07	9.4166E-07	0.203129	hyper	sig	chr11_77138064
chr6	1E+08	100457524	+	1.648E-07	9.4171E-07	0.236396	hyper	sig	chr6_100457524
chr1	1758895	1758895	+	1.65E-07	9.4255E-07	-0.2299	hypo	sig	chr1_1758895
chr17	44268095	44268095	+	1.651E-07	9.4307E-07	-0.23838	hypo	sig	chr17_44268095
chr19	48681314	48681314	+	1.652E-07	9.4365E-07	-0.2243	hypo	sig	chr19_48681314
chr7	44239553	44239553	+	1.652E-07	9.4388E-07	-0.21699	hypo	sig	chr7_44239553
chr1	1.5E+08	150151507	+	1.652E-07	9.4397E-07	0.206678	hyper	sig	chr1_150151507
chr3	1.84E+08	184177054	+	1.655E-07	9.4537E-07	0.255952	hyper	sig	chr3_184177054
chr3	1.38E+08	137759650	+	1.656E-07	9.4583E-07	0.232733	hyper	sig	chr3_137759650
chr7	960531	960531	+	1.661E-07	9.4875E-07	0.201415	hyper	sig	chr7_960531
chr5	1.5E+08	150489226	+	1.663E-07	9.4984E-07	0.223156	hyper	sig	chr5_150489226
chr2	2.35E+08	235044515	+	1.665E-07	9.5071E-07	0.213318	hyper	sig	chr2_235044515
chr1	11538371	11538371	+	1.666E-07	9.5162E-07	-0.28334	hypo	sig	chr1_11538371

chr19	19273572	19273572	+	1.667E-07	9.5175E-07	0.235881	hyper	sig	chr19_19273572
chr7	1.58E+08	158156658	+	1.667E-07	9.5187E-07	-0.25358	hypo	sig	chr7_158156658
chr1	4782382	4782382	+	1.67E-07	9.5364E-07	-0.20843	hypo	sig	chr1_4782382
chr1	24109042	24109042	+	1.673E-07	9.5495E-07	-0.22198	hypo	sig	chr1_24109042
chr2	2.19E+08	219331784	+	1.676E-07	9.5659E-07	0.212481	hyper	sig	chr2_219331784
chr19	12754849	12754849	+	1.676E-07	9.5698E-07	-0.23802	hypo	sig	chr19_12754849
chr9	1.35E+08	135130402	+	1.677E-07	9.5716E-07	-0.27863	hypo	sig	chr9_135130402
chr2	2.37E+08	236507688	+	1.677E-07	9.5736E-07	0.211558	hyper	sig	chr2_236507688
chr7	1.44E+08	143885291	+	1.678E-07	9.578E-07	0.22973	hyper	sig	chr7_143885291
chr20	58882529	58882529	+	1.679E-07	9.5809E-07	-0.21901	hypo	sig	chr20_58882529
chr5	1.41E+08	141442087	+	1.681E-07	9.5964E-07	0.202701	hyper	sig	chr5_141442087
chr14	90759109	90759109	+	1.683E-07	9.6042E-07	0.230892	hyper	sig	chr14_90759109
chr12	48970609	48970609	+	1.687E-07	9.6258E-07	0.203737	hyper	sig	chr12_48970609
chr19	45232045	45232045	+	1.687E-07	9.6267E-07	-0.2109	hypo	sig	chr19_45232045
chr3	1.7E+08	170040590	+	1.687E-07	9.6269E-07	0.206453	hyper	sig	chr3_170040590
chr16	29255229	29255229	+	1.688E-07	9.6296E-07	-0.24467	hypo	sig	chr16_29255229
chr10	1.33E+08	132701020	+	1.689E-07	9.6358E-07	0.211708	hyper	sig	chr10_132701020
chr5	1.41E+08	140871241	+	1.689E-07	9.6363E-07	0.213166	hyper	sig	chr5_140871241
chr12	53931051	53931051	+	1.69E-07	9.6425E-07	0.244654	hyper	sig	chr12_53931051
chr7	1.3E+08	130490945	+	1.694E-07	9.6667E-07	0.225101	hyper	sig	chr7_130490945
chr11	17718829	17718829	+	1.696E-07	9.675E-07	0.24161	hyper	sig	chr11_17718829
chr11	1.3E+08	130040473	+	1.7E-07	9.6961E-07	-0.22881	hypo	sig	chr11_130040473
chr1	2331062	2331062	+	1.705E-07	9.7244E-07	0.20393	hyper	sig	chr1_2331062
chr2	1.31E+08	130916558	+	1.708E-07	9.7388E-07	0.200444	hyper	sig	chr2_130916558
chr10	99234386	99234386	+	1.709E-07	9.7447E-07	0.235775	hyper	sig	chr10_99234386
chr1	2433579	2433579	+	1.71E-07	9.7492E-07	-0.22246	hypo	sig	chr1_2433579
chr12	54129439	54129439	+	1.714E-07	9.7723E-07	-0.24071	hypo	sig	chr12_54129439
chr20	25083727	25083727	+	1.715E-07	9.7758E-07	0.303604	hyper	sig	chr20_25083727
chr20	64046357	64046357	+	1.715E-07	9.7779E-07	-0.22762	hypo	sig	chr20_64046357
chr11	2394330	2394330	+	1.716E-07	9.7823E-07	0.235229	hyper	sig	chr11_2394330
chr9	1.37E+08	137138485	+	1.717E-07	9.7881E-07	0.212637	hyper	sig	chr9_137138485
chr18	45838591	45838591	+	1.718E-07	9.7917E-07	0.200592	hyper	sig	chr18_45838591
chr7	95773440	95773440	+	1.72E-07	9.8049E-07	0.247752	hyper	sig	chr7_95773440
chr17	45241402	45241402	+	1.721E-07	9.808E-07	0.231766	hyper	sig	chr17_45241402
chr16	49884382	49884382	+	1.723E-07	9.8179E-07	-0.20859	hypo	sig	chr16_49884382
chr4	7285806	7285806	+	1.724E-07	9.827E-07	0.204001	hyper	sig	chr4_7285806
chr3	21406628	21406628	+	1.724E-07	9.8281E-07	-0.20007	hypo	sig	chr3_21406628
chr4	1.74E+08	173531905	+	1.726E-07	9.8339E-07	0.209233	hyper	sig	chr4_173531905
chr5	1746934	1746934	+	1.733E-07	9.8751E-07	-0.22984	hypo	sig	chr5_1746934
chr18	10723734	10723734	+	1.734E-07	9.8806E-07	-0.20873	hypo	sig	chr18_10723734
chr10	1.33E+08	133040012	+	1.736E-07	9.8878E-07	-0.22542	hypo	sig	chr10_133040012
chr12	54047194	54047194	+	1.736E-07	9.8909E-07	0.221014	hyper	sig	chr12_54047194
chr10	1.17E+08	117132672	+	1.737E-07	9.8934E-07	0.216708	hyper	sig	chr10_117132672
chr2	3706994	3706994	+	1.738E-07	9.902E-07	-0.23057	hypo	sig	chr2_3706994
chr2	2.42E+08	241802043	+	1.74E-07	9.9122E-07	0.238723	hyper	sig	chr2_241802043
chr1	18725713	18725713	+	1.747E-07	9.9506E-07	0.254553	hyper	sig	chr1_18725713
chr7	946115	946115	+	1.75E-07	9.9631E-07	-0.20098	hypo	sig	chr7_946115
chr14	37610948	37610948	+	1.75E-07	9.967E-07	0.20253	hyper	sig	chr14_37610948
chr10	8043085	8043085	+	1.754E-07	9.987E-07	0.208152	hyper	sig	chr10_8043085
chr21	43975921	43975921	+	1.754E-07	9.9884E-07	0.262467	hyper	sig	chr21_43975921
chr2	2.28E+08	228182114	+	1.757E-07	1.0004E-06	0.20111	hyper	sig	chr2_228182114
chr7	1.55E+08	155375062	+	1.758E-07	1.0008E-06	0.235904	hyper	sig	chr7_155375062
chr7	1461625	1461625	+	1.762E-07	1.0029E-06	-0.20072	hypo	sig	chr7_1461625
chr14	76099393	76099393	+	1.762E-07	1.0032E-06	-0.23951	hypo	sig	chr14_76099393
chr9	97855137	97855137	+	1.767E-07	1.0055E-06	0.232235	hyper	sig	chr9_97855137
chr1	11526280	11526280	+	1.773E-07	1.0087E-06	-0.2247	hypo	sig	chr1_11526280

chr14	76131539	76131539	+	1.773E-07	1.009E-06	0.233706	hyper	sig	chr14_76131539
chr19	45591458	45591458	+	1.774E-07	1.0096E-06	-0.20847	hypo	sig	chr19_45591458
chr8	32647266	32647266	+	1.775E-07	1.01E-06	0.252856	hyper	sig	chr8_32647266
chr1	11898269	11898269	+	1.775E-07	1.01E-06	0.229906	hyper	sig	chr1_11898269
chr17	32487892	32487892	+	1.776E-07	1.0107E-06	0.23596	hyper	sig	chr17_32487892
chr4	7287810	7287810	+	1.778E-07	1.0114E-06	-0.20629	hypo	sig	chr4_7287810
chr13	1.14E+08	114005678	+	1.781E-07	1.0131E-06	-0.2773	hypo	sig	chr13_114005678
chr3	9768238	9768238	+	1.781E-07	1.0132E-06	0.232689	hyper	sig	chr3_9768238
chr3	1.33E+08	133379101	+	1.787E-07	1.0165E-06	-0.20006	hypo	sig	chr3_133379101
chr1	2.23E+08	223129467	+	1.79E-07	1.018E-06	0.207468	hyper	sig	chr1_223129467
chr2	2.33E+08	232634750	+	1.795E-07	1.0208E-06	0.225552	hyper	sig	chr2_232634750
chr5	1.5E+08	150209537	+	1.795E-07	1.0209E-06	-0.21747	hypo	sig	chr5_150209537
chr19	49210379	49210379	+	1.796E-07	1.021E-06	0.273411	hyper	sig	chr19_49210379
chr16	1532199	1532199	+	1.796E-07	1.0214E-06	0.280319	hyper	sig	chr16_1532199
chr2	2.19E+08	219415677	+	1.801E-07	1.0239E-06	0.209341	hyper	sig	chr2_219415677
chr4	1.55E+08	154742781	+	1.803E-07	1.0251E-06	0.229309	hyper	sig	chr4_154742781
chr10	1.33E+08	132700222	+	1.808E-07	1.0277E-06	0.207338	hyper	sig	chr10_132700222
chr3	96777064	96777064	+	1.808E-07	1.0279E-06	0.207585	hyper	sig	chr3_96777064
chr11	68854276	68854276	+	1.809E-07	1.0283E-06	0.218057	hyper	sig	chr11_68854276
chr13	98350065	98350065	+	1.811E-07	1.0293E-06	-0.22156	hypo	sig	chr13_98350065
chr19	17648766	17648766	+	1.815E-07	1.0315E-06	-0.22126	hypo	sig	chr19_17648766
chr1	1.71E+08	170667088	+	1.817E-07	1.0327E-06	0.210407	hyper	sig	chr1_170667088
chr16	49274603	49274603	+	1.817E-07	1.0328E-06	0.20696	hyper	sig	chr16_49274603
chr7	1.57E+08	157040317	+	1.82E-07	1.0344E-06	-0.2093	hypo	sig	chr7_157040317
chr16	54939216	54939216	+	1.822E-07	1.0351E-06	0.200183	hyper	sig	chr16_54939216
chr15	70863696	70863696	+	1.828E-07	1.0384E-06	-0.21253	hypo	sig	chr15_70863696
chr17	78974718	78974718	+	1.828E-07	1.0386E-06	0.22634	hyper	sig	chr17_78974718
chr5	41510170	41510170	+	1.828E-07	1.0387E-06	0.226688	hyper	sig	chr5_41510170
chr1	16875535	16875535	+	1.832E-07	1.0406E-06	-0.2061	hypo	sig	chr1_16875535
chr10	45428257	45428257	+	1.832E-07	1.0406E-06	0.211402	hyper	sig	chr10_45428257
chr8	1.43E+08	143211867	+	1.833E-07	1.0415E-06	-0.23542	hypo	sig	chr8_143211867
chr19	5914570	5914570	+	1.834E-07	1.0416E-06	0.251253	hyper	sig	chr19_5914570
chr9	1.37E+08	137138848	+	1.836E-07	1.0428E-06	0.249326	hyper	sig	chr9_137138848
chr7	1.58E+08	157904936	+	1.838E-07	1.0439E-06	-0.22061	hypo	sig	chr7_157904936
chr19	4303940	4303940	+	1.84E-07	1.0448E-06	-0.20412	hypo	sig	chr19_4303940
chr21	46431881	46431881	+	1.841E-07	1.0455E-06	0.210885	hyper	sig	chr21_46431881
chr20	6766585	6766585	+	1.844E-07	1.0474E-06	-0.20151	hypo	sig	chr20_6766585
chr16	1991488	1991488	+	1.845E-07	1.0476E-06	0.201901	hyper	sig	chr16_1991488
chr14	1.01E+08	100824675	+	1.848E-07	1.0496E-06	-0.25729	hypo	sig	chr14_100824675
chr4	1.25E+08	125317039	+	1.85E-07	1.0505E-06	0.208376	hyper	sig	chr4_125317039
chr7	1253987	1253987	+	1.853E-07	1.0519E-06	-0.23384	hypo	sig	chr7_1253987
chr10	1.19E+08	118596224	+	1.853E-07	1.0522E-06	0.216136	hyper	sig	chr10_118596224
chr5	1193356	1193356	+	1.854E-07	1.0528E-06	-0.21562	hypo	sig	chr5_1193356
chr5	77638502	77638502	+	1.86E-07	1.0559E-06	0.201966	hyper	sig	chr5_77638502
chr9	1.36E+08	135700591	+	1.861E-07	1.0563E-06	-0.27966	hypo	sig	chr9_135700591
chr1	2.21E+08	220893298	+	1.862E-07	1.0569E-06	-0.21659	hypo	sig	chr1_220893298
chr12	1.32E+08	132245167	+	1.863E-07	1.0574E-06	-0.24937	hypo	sig	chr12_132245167
chr12	1.33E+08	132955296	+	1.864E-07	1.0582E-06	0.201931	hyper	sig	chr12_132955296
chr19	45815403	45815403	+	1.865E-07	1.0586E-06	0.256079	hyper	sig	chr19_45815403
chr11	64972164	64972164	+	1.871E-07	1.0618E-06	0.235062	hyper	sig	chr11_64972164
chr9	1.36E+08	136127520	+	1.871E-07	1.062E-06	-0.20995	hypo	sig	chr9_136127520
chr7	1.02E+08	101936604	+	1.873E-07	1.0629E-06	0.231973	hyper	sig	chr7_101936604
chr11	32429941	32429941	+	1.875E-07	1.0637E-06	0.23106	hyper	sig	chr11_32429941
chr19	3962213	3962213	+	1.875E-07	1.0637E-06	0.210013	hyper	sig	chr19_3962213
chr19	45320549	45320549	+	1.875E-07	1.0638E-06	-0.25274	hypo	sig	chr19_45320549
chr19	2525712	2525712	+	1.876E-07	1.0642E-06	-0.23682	hypo	sig	chr19_2525712

chr19	3839255	3839255	+	1.876E-07	1.0644E-06	-0.23594	hypo	sig	chr19_3839255
chr6	1.68E+08	168197049	+	1.878E-07	1.0654E-06	-0.21655	hypo	sig	chr6_168197049
chr19	1809750	1809750	+	1.878E-07	1.0655E-06	-0.21774	hypo	sig	chr19_1809750
chr19	8065790	8065790	+	1.878E-07	1.0655E-06	-0.20235	hypo	sig	chr19_8065790
chr7	1225950	1225950	+	1.879E-07	1.0663E-06	0.202818	hyper	sig	chr7_1225950
chr16	1655710	1655710	+	1.881E-07	1.0669E-06	-0.20276	hypo	sig	chr16_1655710
chr13	1.13E+08	113420613	+	1.881E-07	1.067E-06	-0.22821	hypo	sig	chr13_113420613
chr12	50033040	50033040	+	1.881E-07	1.0673E-06	0.282775	hyper	sig	chr12_50033040
chr3	1.25E+08	125141899	+	1.882E-07	1.0677E-06	0.26464	hyper	sig	chr3_125141899
chr7	983494	983494	+	1.883E-07	1.068E-06	0.211968	hyper	sig	chr7_983494
chr7	1.58E+08	157846255	+	1.883E-07	1.0681E-06	-0.20568	hypo	sig	chr7_157846255
chr2	74148399	74148399	+	1.884E-07	1.0687E-06	0.202093	hyper	sig	chr2_74148399
chr16	87177684	87177684	+	1.894E-07	1.0739E-06	0.218883	hyper	sig	chr16_87177684
chr2	42811423	42811423	+	1.894E-07	1.074E-06	0.21864	hyper	sig	chr2_42811423
chr19	18866389	18866389	+	1.894E-07	1.0742E-06	0.249115	hyper	sig	chr19_18866389
chr2	2.27E+08	227320596	+	1.896E-07	1.0751E-06	-0.22009	hypo	sig	chr2_227320596
chr19	45008878	45008878	+	1.897E-07	1.0758E-06	-0.20182	hypo	sig	chr19_45008878
chr1	19273022	19273022	+	1.899E-07	1.0767E-06	-0.25263	hypo	sig	chr1_19273022
chr12	33439099	33439099	+	1.902E-07	1.0784E-06	0.227284	hyper	sig	chr12_33439099
chr14	60641593	60641593	+	1.902E-07	1.0787E-06	0.218269	hyper	sig	chr14_60641593
chr19	40520129	40520129	+	1.903E-07	1.0791E-06	0.207451	hyper	sig	chr19_40520129
chr19	10963622	10963622	+	1.905E-07	1.08E-06	-0.23906	hypo	sig	chr19_10963622
chr11	49102574	49102574	+	1.907E-07	1.081E-06	-0.21341	hypo	sig	chr11_49102574
chr11	70661738	70661738	+	1.907E-07	1.0811E-06	0.210795	hyper	sig	chr11_70661738
chr16	2184118	2184118	+	1.911E-07	1.0831E-06	-0.24309	hypo	sig	chr16_2184118
chr19	15474660	15474660	+	1.911E-07	1.0832E-06	-0.2377	hypo	sig	chr19_15474660
chr6	1.46E+08	146434447	+	1.911E-07	1.0833E-06	0.205006	hyper	sig	chr6_146434447
chr17	78132808	78132808	+	1.912E-07	1.0837E-06	-0.2104	hypo	sig	chr17_78132808
chr20	419737	419737	+	1.912E-07	1.0837E-06	-0.2053	hypo	sig	chr20_419737
chr3	46506305	46506305	+	1.92E-07	1.0884E-06	-0.21687	hypo	sig	chr3_46506305
chr16	775470	775470	+	1.921E-07	1.0889E-06	-0.23244	hypo	sig	chr16_775470
chr12	1.08E+08	107646047	+	1.922E-07	1.0891E-06	0.229729	hyper	sig	chr12_107646047
chr7	1.51E+08	151411326	+	1.924E-07	1.0903E-06	-0.20329	hypo	sig	chr7_151411326
chr14	64601913	64601913	+	1.924E-07	1.0904E-06	0.204038	hyper	sig	chr14_64601913
chr5	78509703	78509703	+	1.933E-07	1.095E-06	-0.214	hypo	sig	chr5_78509703
chr7	2019728	2019728	+	1.934E-07	1.0959E-06	-0.24178	hypo	sig	chr7_2019728
chr1	2327838	2327838	+	1.935E-07	1.0964E-06	-0.25143	hypo	sig	chr1_2327838
chr13	1.13E+08	112843402	+	1.937E-07	1.0976E-06	0.204702	hyper	sig	chr13_112843402
chr12	1.02E+08	101642611	+	1.938E-07	1.0976E-06	0.212901	hyper	sig	chr12_101642611
chr10	1.3E+08	129884795	+	1.939E-07	1.0982E-06	-0.21989	hypo	sig	chr10_129884795
chr7	1.51E+08	151014118	+	1.94E-07	1.099E-06	0.219282	hyper	sig	chr7_151014118
chr2	2.41E+08	240897135	+	1.942E-07	1.0999E-06	-0.20082	hypo	sig	chr2_240897135
chr7	27092282	27092282	+	1.945E-07	1.1013E-06	-0.27156	hypo	sig	chr7_27092282
chr3	1.7E+08	169666254	+	1.945E-07	1.1013E-06	0.247603	hyper	sig	chr3_169666254
chr10	1.31E+08	131250724	+	1.947E-07	1.1026E-06	0.25684	hyper	sig	chr10_131250724
chr8	66127021	66127021	+	1.948E-07	1.1033E-06	0.245412	hyper	sig	chr8_66127021
chr19	45396320	45396320	+	1.948E-07	1.1034E-06	0.200274	hyper	sig	chr19_45396320
chr14	1.02E+08	101564662	+	1.957E-07	1.1079E-06	0.211277	hyper	sig	chr14_101564662
chr19	41331177	41331177	+	1.957E-07	1.1081E-06	-0.20501	hypo	sig	chr19_41331177
chr13	1.14E+08	114089898	+	1.957E-07	1.1082E-06	-0.22827	hypo	sig	chr13_114089898
chr2	2.4E+08	240144528	+	1.957E-07	1.1082E-06	-0.23954	hypo	sig	chr2_240144528
chr8	1.42E+08	141507105	+	1.958E-07	1.1084E-06	-0.21159	hypo	sig	chr8_141507105
chr20	51022567	51022567	+	1.962E-07	1.1106E-06	0.203702	hyper	sig	chr20_51022567
chr5	1.41E+08	141433096	+	1.968E-07	1.1137E-06	0.21906	hyper	sig	chr5_141433096
chr17	8073283	8073283	+	1.971E-07	1.1155E-06	0.202434	hyper	sig	chr17_8073283
chr16	68447634	68447634	+	1.972E-07	1.116E-06	0.255592	hyper	sig	chr16_68447634

chr12	1.15E+08	114685963	+	1.975E-07	1.1177E-06	0.237439	hyper	sig	chr12_114685963
chr12	1.31E+08	131434982	+	1.976E-07	1.1183E-06	-0.22396	hypo	sig	chr12_131434982
chr3	1.27E+08	126542504	+	1.978E-07	1.1192E-06	0.218746	hyper	sig	chr3_126542504
chr2	1687341	1687341	+	1.978E-07	1.1193E-06	-0.20865	hypo	sig	chr2_1687341
chr13	27791760	27791760	+	1.98E-07	1.1206E-06	0.23696	hyper	sig	chr13_27791760
chr7	2762646	2762646	+	1.985E-07	1.1233E-06	0.274411	hyper	sig	chr7_2762646
chr2	2.4E+08	240033380	+	1.986E-07	1.1237E-06	-0.22287	hypo	sig	chr2_240033380
chr21	46670655	46670655	+	1.988E-07	1.1244E-06	-0.25115	hypo	sig	chr21_46670655
chr12	1.31E+08	131044879	+	1.988E-07	1.1247E-06	-0.22099	hypo	sig	chr12_131044879
chr3	42688890	42688890	+	1.99E-07	1.1259E-06	-0.26447	hypo	sig	chr3_42688890
chr19	15189313	15189313	+	1.992E-07	1.1266E-06	-0.21285	hypo	sig	chr19_15189313
chr7	35454983	35454983	+	1.994E-07	1.1281E-06	0.223704	hyper	sig	chr7_35454983
chr12	57625485	57625485	+	1.996E-07	1.1291E-06	-0.25929	hypo	sig	chr12_57625485
chr16	69917997	69917997	+	2.002E-07	1.1321E-06	0.205438	hyper	sig	chr16_69917997
chr13	32410168	32410168	+	2.014E-07	1.1385E-06	0.211716	hyper	sig	chr13_32410168
chr1	6552244	6552244	+	2.014E-07	1.1386E-06	-0.29492	hypo	sig	chr1_6552244
chr11	65642354	65642354	+	2.016E-07	1.1398E-06	0.218084	hyper	sig	chr11_65642354
chr6	29830610	29830610	+	2.016E-07	1.1399E-06	-0.20728	hypo	sig	chr6_29830610
chr1	9183734	9183734	+	2.017E-07	1.1403E-06	0.269293	hyper	sig	chr1_9183734
chr14	91575694	91575694	+	2.023E-07	1.1435E-06	-0.20167	hypo	sig	chr14_91575694
chr11	64591202	64591202	+	2.026E-07	1.1451E-06	-0.20443	hypo	sig	chr11_64591202
chr2	11656968	11656968	+	2.026E-07	1.1453E-06	-0.2569	hypo	sig	chr2_11656968
chr4	55157898	55157898	+	2.034E-07	1.1493E-06	0.220606	hyper	sig	chr4_55157898
chr2	63056671	63056671	+	2.036E-07	1.1505E-06	0.209178	hyper	sig	chr2_63056671
chr5	1.79E+08	179270356	+	2.037E-07	1.1511E-06	-0.22931	hypo	sig	chr5_179270356
chr11	70661954	70661954	+	2.038E-07	1.1517E-06	0.298559	hyper	sig	chr11_70661954
chr19	45815148	45815148	+	2.039E-07	1.152E-06	0.20518	hyper	sig	chr19_45815148
chr12	34338270	34338270	+	2.043E-07	1.1541E-06	-0.22832	hypo	sig	chr12_34338270
chr1	10779522	10779522	+	2.043E-07	1.1544E-06	-0.24321	hypo	sig	chr1_10779522
chr7	1.59E+08	158992050	+	2.044E-07	1.1548E-06	-0.26983	hypo	sig	chr7_158992050
chr11	71489443	71489443	+	2.044E-07	1.1548E-06	-0.20111	hypo	sig	chr11_71489443
chr16	57812927	57812927	+	2.045E-07	1.1553E-06	-0.21515	hypo	sig	chr16_57812927
chr11	2141280	2141280	+	2.049E-07	1.1575E-06	0.204875	hyper	sig	chr11_2141280
chr11	65585205	65585205	+	2.049E-07	1.1576E-06	0.2472	hyper	sig	chr11_65585205
chr22	11282100	11282100	+	2.049E-07	1.1577E-06	-0.24552	hypo	sig	chr22_11282100
chr5	1.73E+08	173244677	+	2.053E-07	1.1596E-06	0.207585	hyper	sig	chr5_173244677
chr19	28727293	28727293	+	2.054E-07	1.1601E-06	0.247217	hyper	sig	chr19_28727293
chr2	2.41E+08	241037209	+	2.056E-07	1.1612E-06	0.240244	hyper	sig	chr2_241037209
chr8	1.41E+08	140549799	+	2.062E-07	1.1643E-06	0.221261	hyper	sig	chr8_140549799
chr6	35494196	35494196	+	2.063E-07	1.1653E-06	0.234787	hyper	sig	chr6_35494196
chr17	7740412	7740412	+	2.066E-07	1.1665E-06	-0.22031	hypo	sig	chr17_7740412
chr5	1193912	1193912	+	2.066E-07	1.1668E-06	-0.20988	hypo	sig	chr5_1193912
chr20	17612188	17612188	+	2.068E-07	1.1677E-06	0.254095	hyper	sig	chr20_17612188
chr19	13962265	13962265	+	2.073E-07	1.1705E-06	0.209321	hyper	sig	chr19_13962265
chr3	1.96E+08	195849758	+	2.076E-07	1.172E-06	-0.22761	hypo	sig	chr3_195849758
chr3	58440244	58440244	+	2.076E-07	1.1722E-06	-0.22097	hypo	sig	chr3_58440244
chr3	28575256	28575256	+	2.08E-07	1.174E-06	0.238629	hyper	sig	chr3_28575256
chr6	34022014	34022014	+	2.08E-07	1.174E-06	-0.25075	hypo	sig	chr6_34022014
chr21	34669035	34669035	+	2.085E-07	1.1769E-06	0.222055	hyper	sig	chr21_34669035
chr14	1.04E+08	104220577	+	2.085E-07	1.177E-06	-0.23956	hypo	sig	chr14_104220577
chr19	4912263	4912263	+	2.088E-07	1.1785E-06	0.203758	hyper	sig	chr19_4912263
chr10	71965205	71965205	+	2.088E-07	1.1787E-06	0.257862	hyper	sig	chr10_71965205
chr16	29329744	29329744	+	2.092E-07	1.1804E-06	-0.20689	hypo	sig	chr16_29329744
chr11	67506868	67506868	+	2.093E-07	1.1809E-06	-0.22304	hypo	sig	chr11_67506868
chr1	1.17E+08	116534432	+	2.093E-07	1.1814E-06	0.202991	hyper	sig	chr1_116534432
chr1	2.23E+08	223129688	+	2.099E-07	1.1841E-06	0.205086	hyper	sig	chr1_223129688

chr9	1.31E+08	131274781	+	2.099E-07	1.1842E-06	-0.21437	hypo	sig	chr9_131274781
chr12	51390872	51390872	+	2.107E-07	1.1889E-06	-0.21569	hypo	sig	chr12_51390872
chr4	1577753	1577753	+	2.108E-07	1.1894E-06	0.215848	hyper	sig	chr4_1577753
chr16	67884748	67884748	+	2.118E-07	1.1945E-06	0.211649	hyper	sig	chr16_67884748
chr13	35470768	35470768	+	2.124E-07	1.1975E-06	0.212366	hyper	sig	chr13_35470768
chr10	1475111	1475111	+	2.124E-07	1.1976E-06	0.233877	hyper	sig	chr10_1475111
chr10	42242729	42242729	+	2.128E-07	1.2E-06	0.20522	hyper	sig	chr10_42242729
chr17	1627510	1627510	+	2.134E-07	1.2029E-06	-0.24019	hypo	sig	chr17_1627510
chr13	1.12E+08	111636521	+	2.134E-07	1.2032E-06	-0.20265	hypo	sig	chr13_111636521
chr3	6860652	6860652	+	2.135E-07	1.2033E-06	0.210056	hyper	sig	chr3_6860652
chr19	43502022	43502022	+	2.135E-07	1.2033E-06	0.246128	hyper	sig	chr19_43502022
chr8	98948877	98948877	+	2.135E-07	1.2037E-06	0.232401	hyper	sig	chr8_98948877
chr1	6455825	6455825	+	2.139E-07	1.2055E-06	0.216771	hyper	sig	chr1_6455825
chr10	26212196	26212196	+	2.142E-07	1.2074E-06	0.222663	hyper	sig	chr10_26212196
chr2	1.82E+08	181678174	+	2.143E-07	1.2077E-06	0.200022	hyper	sig	chr2_181678174
chr6	30883766	30883766	+	2.148E-07	1.2107E-06	-0.20207	hypo	sig	chr6_30883766
chr17	14206424	14206424	+	2.152E-07	1.2124E-06	-0.20245	hypo	sig	chr17_14206424
chr12	53938462	53938462	+	2.158E-07	1.2156E-06	0.218316	hyper	sig	chr12_53938462
chr11	65642403	65642403	+	2.159E-07	1.2165E-06	0.233521	hyper	sig	chr11_65642403
chr4	1194698	1194698	+	2.167E-07	1.2208E-06	0.22612	hyper	sig	chr4_1194698
chr4	48484505	48484505	+	2.17E-07	1.2221E-06	0.275667	hyper	sig	chr4_48484505
chr7	1.57E+08	157044886	+	2.172E-07	1.2232E-06	-0.20607	hypo	sig	chr7_157044886
chr16	51113867	51113867	+	2.176E-07	1.2257E-06	0.211111	hyper	sig	chr16_51113867
chr3	13934441	13934441	+	2.177E-07	1.2258E-06	-0.21633	hypo	sig	chr3_13934441
chr10	1.33E+08	132851684	+	2.187E-07	1.2314E-06	-0.21783	hypo	sig	chr10_132851684
chr9	1.37E+08	136716695	+	2.189E-07	1.2326E-06	-0.24849	hypo	sig	chr9_136716695
chr19	50728646	50728646	+	2.191E-07	1.2336E-06	0.206512	hyper	sig	chr19_50728646
chr8	11074984	11074984	+	2.191E-07	1.2336E-06	-0.21457	hypo	sig	chr8_11074984
chr13	50127864	50127864	+	2.203E-07	1.24E-06	0.20859	hyper	sig	chr13_50127864
chr5	1119603	1119603	+	2.223E-07	1.2503E-06	-0.2118	hypo	sig	chr5_1119603
chr17	39563733	39563733	+	2.226E-07	1.2519E-06	0.223751	hyper	sig	chr17_39563733
chr17	48542531	48542531	+	2.228E-07	1.253E-06	0.204049	hyper	sig	chr17_48542531
chr4	1.85E+08	184983861	+	2.229E-07	1.2535E-06	-0.20713	hypo	sig	chr4_184983861
chr7	1.59E+08	159011186	+	2.23E-07	1.2542E-06	-0.21211	hypo	sig	chr7_159011186
chr15	37102465	37102465	+	2.234E-07	1.2562E-06	0.223214	hyper	sig	chr15_37102465
chr20	34997387	34997387	+	2.235E-07	1.2567E-06	0.232317	hyper	sig	chr20_34997387
chr10	1.32E+08	132250580	+	2.238E-07	1.2584E-06	-0.20557	hypo	sig	chr10_132250580
chr2	1.63E+08	163348764	+	2.239E-07	1.2589E-06	0.211301	hyper	sig	chr2_163348764
chr7	97004166	97004166	+	2.24E-07	1.2596E-06	0.203702	hyper	sig	chr7_97004166
chr16	57620381	57620381	+	2.241E-07	1.2599E-06	-0.22147	hypo	sig	chr16_57620381
chr1	2.1E+08	209938708	+	2.242E-07	1.2607E-06	0.215999	hyper	sig	chr1_209938708
chr22	46661223	46661223	+	2.248E-07	1.2638E-06	-0.22708	hypo	sig	chr22_46661223
chr19	13963527	13963527	+	2.249E-07	1.2646E-06	0.245077	hyper	sig	chr19_13963527
chr4	1.47E+08	146633090	+	2.251E-07	1.2655E-06	0.240548	hyper	sig	chr4_146633090
chr6	1.68E+08	168079018	+	2.253E-07	1.2663E-06	-0.20554	hypo	sig	chr6_168079018
chr15	28026919	28026919	+	2.26E-07	1.27E-06	-0.23415	hypo	sig	chr15_28026919
chr6	1.34E+08	134115400	+	2.26E-07	1.2703E-06	0.211172	hyper	sig	chr6_134115400
chr17	7855634	7855634	+	2.263E-07	1.272E-06	0.21103	hyper	sig	chr17_7855634
chr6	1.68E+08	167999300	+	2.267E-07	1.2739E-06	-0.21019	hypo	sig	chr6_167999300
chr19	55363494	55363494	+	2.268E-07	1.2744E-06	-0.20165	hypo	sig	chr19_55363494
chr9	1.38E+08	137514329	+	2.27E-07	1.2753E-06	-0.26861	hypo	sig	chr9_137514329
chr12	1.25E+08	124739157	+	2.273E-07	1.2769E-06	-0.20875	hypo	sig	chr12_124739157
chr22	44729433	44729433	+	2.273E-07	1.277E-06	0.210044	hyper	sig	chr22_44729433
chr4	41879217	41879217	+	2.273E-07	1.2773E-06	0.228825	hyper	sig	chr4_41879217
chr12	34399492	34399492	+	2.276E-07	1.2787E-06	-0.20063	hypo	sig	chr12_34399492
chr2	1.05E+08	104659218	+	2.276E-07	1.2787E-06	0.207466	hyper	sig	chr2_104659218

chr16	1992748	1992748	+	2.284E-07	1.2831E-06	0.233114	hyper	sig	chr16_1992748
chr7	8443170	8443170	+	2.284E-07	1.2831E-06	0.289088	hyper	sig	chr7_8443170
chr7	45888046	45888046	+	2.288E-07	1.2854E-06	-0.23606	hypo	sig	chr7_45888046
chr14	99757024	99757024	+	2.289E-07	1.2856E-06	-0.20268	hypo	sig	chr14_99757024
chr9	63818177	63818177	+	2.289E-07	1.2856E-06	0.200528	hyper	sig	chr9_63818177
chr3	52714453	52714453	+	2.296E-07	1.2896E-06	0.209917	hyper	sig	chr3_52714453
chr12	47755537	47755537	+	2.297E-07	1.2901E-06	-0.20091	hypo	sig	chr12_47755537
chr7	42227601	42227601	+	2.299E-07	1.2908E-06	-0.20121	hypo	sig	chr7_42227601
chr6	1.52E+08	151807193	+	2.301E-07	1.2923E-06	0.212197	hyper	sig	chr6_151807193
chr12	51864974	51864974	+	2.308E-07	1.2958E-06	0.229548	hyper	sig	chr12_51864974
chr5	1.29E+08	128965015	+	2.31E-07	1.297E-06	0.230607	hyper	sig	chr5_128965015
chr2	2.41E+08	241188835	+	2.312E-07	1.2977E-06	-0.20285	hypo	sig	chr2_241188835
chr2	91571357	91571357	+	2.312E-07	1.2977E-06	-0.21899	hypo	sig	chr2_91571357
chr16	85179221	85179221	+	2.315E-07	1.2998E-06	-0.20729	hypo	sig	chr16_85179221
chr5	88667882	88667882	+	2.317E-07	1.3006E-06	0.25332	hyper	sig	chr5_88667882
chr14	91284971	91284971	+	2.318E-07	1.301E-06	0.249768	hyper	sig	chr14_91284971
chr19	15232359	15232359	+	2.328E-07	1.3064E-06	0.208088	hyper	sig	chr19_15232359
chr1	50425027	50425027	+	2.328E-07	1.3066E-06	0.233144	hyper	sig	chr1_50425027
chr16	84195467	84195467	+	2.333E-07	1.309E-06	-0.20533	hypo	sig	chr16_84195467
chr7	1.24E+08	124033872	+	2.333E-07	1.3093E-06	0.214421	hyper	sig	chr7_124033872
chr12	1.15E+08	114700132	+	2.334E-07	1.3097E-06	0.213467	hyper	sig	chr12_114700132
chr17	58268548	58268548	+	2.336E-07	1.3108E-06	-0.22807	hypo	sig	chr17_58268548
chr10	42475711	42475711	+	2.337E-07	1.3112E-06	0.207486	hyper	sig	chr10_42475711
chr1	1204175	1204175	+	2.338E-07	1.312E-06	-0.20819	hypo	sig	chr1_1204175
chr1	24109144	24109144	+	2.341E-07	1.3135E-06	-0.22995	hypo	sig	chr1_24109144
chr5	1.58E+08	157690614	+	2.342E-07	1.3138E-06	0.215912	hyper	sig	chr5_157690614
chr5	1.41E+08	141246892	+	2.342E-07	1.3141E-06	0.217257	hyper	sig	chr5_141246892
chr5	1.41E+08	140829497	+	2.343E-07	1.3142E-06	0.234687	hyper	sig	chr5_140829497
chr9	2621039	2621039	+	2.344E-07	1.3149E-06	0.200323	hyper	sig	chr9_2621039
chr16	3075779	3075779	+	2.344E-07	1.315E-06	0.223657	hyper	sig	chr16_3075779
chr10	1.03E+08	102919755	+	2.346E-07	1.3158E-06	0.239124	hyper	sig	chr10_102919755
chr1	2.3E+08	229570441	+	2.349E-07	1.3175E-06	-0.23528	hypo	sig	chr1_229570441
chr17	7767905	7767905	+	2.354E-07	1.3201E-06	-0.20524	hypo	sig	chr17_7767905
chr10	97974461	97974461	+	2.355E-07	1.3208E-06	0.203964	hyper	sig	chr10_97974461
chr16	55655504	55655504	+	2.356E-07	1.3211E-06	0.238449	hyper	sig	chr16_55655504
chr12	53973466	53973466	+	2.358E-07	1.3224E-06	0.235158	hyper	sig	chr12_53973466
chr4	4864783	4864783	+	2.359E-07	1.3229E-06	0.204647	hyper	sig	chr4_4864783
chr10	92695768	92695768	+	2.36E-07	1.3232E-06	0.246894	hyper	sig	chr10_92695768
chr1	13585720	13585720	+	2.36E-07	1.3235E-06	-0.24985	hypo	sig	chr1_13585720
chr11	58390716	58390716	+	2.361E-07	1.3238E-06	-0.21751	hypo	sig	chr11_58390716
chr1	1.52E+08	151838161	+	2.362E-07	1.3245E-06	0.203091	hyper	sig	chr1_151838161
chr6	32047094	32047094	+	2.363E-07	1.3252E-06	-0.24892	hypo	sig	chr6_32047094
chr11	2301434	2301434	+	2.364E-07	1.3257E-06	-0.20578	hypo	sig	chr11_2301434
chr5	1.79E+08	179218681	+	2.364E-07	1.3257E-06	-0.21433	hypo	sig	chr5_179218681
chr16	561413	561413	+	2.365E-07	1.3261E-06	-0.21287	hypo	sig	chr16_561413
chr1	1.8E+08	179812750	+	2.368E-07	1.3274E-06	-0.21437	hypo	sig	chr1_179812750
chr16	85373788	85373788	+	2.375E-07	1.3311E-06	-0.20932	hypo	sig	chr16_85373788
chr14	1.02E+08	101562679	+	2.376E-07	1.3319E-06	0.201553	hyper	sig	chr14_101562679
chr16	81005720	81005720	+	2.38E-07	1.334E-06	-0.20182	hypo	sig	chr16_81005720
chr10	1.04E+08	103668757	+	2.382E-07	1.3351E-06	0.207866	hyper	sig	chr10_103668757
chr2	1.29E+08	128664023	+	2.383E-07	1.3356E-06	-0.25556	hypo	sig	chr2_128664023
chr19	8698358	8698358	+	2.384E-07	1.336E-06	0.219797	hyper	sig	chr19_8698358
chr4	1.83E+08	182801778	+	2.386E-07	1.3371E-06	-0.20801	hypo	sig	chr4_182801778
chr4	1.69E+08	168877784	+	2.386E-07	1.3371E-06	0.20663	hyper	sig	chr4_168877784
chr17	28505776	28505776	+	2.39E-07	1.3391E-06	-0.20399	hypo	sig	chr17_28505776
chr11	45650764	45650764	+	2.391E-07	1.3396E-06	-0.20754	hypo	sig	chr11_45650764

chr7	18087820	18087820	+	2.399E-07	1.3442E-06	0.240343	hyper	sig	chr7_18087820
chr19	15233287	15233287	+	2.4E-07	1.3445E-06	0.265546	hyper	sig	chr19_15233287
chr20	62987766	62987766	+	2.401E-07	1.3453E-06	-0.20371	hypo	sig	chr20_62987766
chr2	1.76E+08	176152542	+	2.402E-07	1.3456E-06	-0.20654	hypo	sig	chr2_176152542
chr16	68510212	68510212	+	2.404E-07	1.3466E-06	0.203045	hyper	sig	chr16_68510212
chr3	1.38E+08	137771733	+	2.405E-07	1.3473E-06	0.204871	hyper	sig	chr3_137771733
chr11	68854837	68854837	+	2.406E-07	1.3479E-06	0.24341	hyper	sig	chr11_68854837
chr11	6571515	6571515	+	2.41E-07	1.3502E-06	0.203629	hyper	sig	chr11_6571515
chr12	57244216	57244216	+	2.419E-07	1.3547E-06	-0.2103	hypo	sig	chr12_57244216
chr3	1.97E+08	196968130	+	2.426E-07	1.3584E-06	0.227594	hyper	sig	chr3_196968130
chr13	1.12E+08	111630399	+	2.428E-07	1.3593E-06	0.208945	hyper	sig	chr13_111630399
chr16	1532203	1532203	+	2.429E-07	1.3598E-06	0.268885	hyper	sig	chr16_1532203
chr21	41802769	41802769	+	2.43E-07	1.3608E-06	0.209472	hyper	sig	chr21_41802769
chr3	14811358	14811358	+	2.431E-07	1.3611E-06	0.231	hyper	sig	chr3_14811358
chr6	34155438	34155438	+	2.433E-07	1.3619E-06	0.205197	hyper	sig	chr6_34155438
chr9	22863184	22863184	+	2.435E-07	1.363E-06	-0.22358	hypo	sig	chr9_22863184
chr15	41152447	41152447	+	2.437E-07	1.3641E-06	-0.20567	hypo	sig	chr15_41152447
chr1	1.56E+08	156291973	+	2.438E-07	1.3647E-06	0.212313	hyper	sig	chr1_156291973
chr5	1390180	1390180	+	2.439E-07	1.3651E-06	-0.20611	hypo	sig	chr5_1390180
chr19	755295	755295	+	2.441E-07	1.3663E-06	-0.20809	hypo	sig	chr19_755295
chr3	1.76E+08	176362163	+	2.442E-07	1.367E-06	-0.21346	hypo	sig	chr3_176362163
chr19	38812810	38812810	+	2.451E-07	1.3716E-06	-0.22139	hypo	sig	chr19_38812810
chr3	1.39E+08	139006526	+	2.453E-07	1.3724E-06	0.222438	hyper	sig	chr3_139006526
chr3	42264959	42264959	+	2.453E-07	1.3727E-06	0.234941	hyper	sig	chr3_42264959
chr19	42697966	42697966	+	2.454E-07	1.3732E-06	0.219301	hyper	sig	chr19_42697966
chr22	24685921	24685921	+	2.455E-07	1.3737E-06	0.202929	hyper	sig	chr22_24685921
chr19	728161	728161	+	2.459E-07	1.3761E-06	-0.21367	hypo	sig	chr19_728161
chr2	47008978	47008978	+	2.461E-07	1.377E-06	0.222208	hyper	sig	chr2_47008978
chr16	85287010	85287010	+	2.462E-07	1.3773E-06	0.207733	hyper	sig	chr16_85287010
chr19	16889037	16889037	+	2.467E-07	1.3802E-06	0.20744	hyper	sig	chr19_16889037
chr15	23897809	23897809	+	2.468E-07	1.3804E-06	0.22463	hyper	sig	chr15_23897809
chr7	15687296	15687296	+	2.468E-07	1.3804E-06	0.225591	hyper	sig	chr7_15687296
chr19	14473339	14473339	+	2.472E-07	1.3826E-06	0.209921	hyper	sig	chr19_14473339
chr14	89701305	89701305	+	2.479E-07	1.3865E-06	-0.21869	hypo	sig	chr14_89701305
chr15	75178371	75178371	+	2.479E-07	1.3867E-06	0.216202	hyper	sig	chr15_75178371
chr7	1.55E+08	154914117	+	2.483E-07	1.3887E-06	0.22276	hyper	sig	chr7_154914117
chr11	3645048	3645048	+	2.485E-07	1.3894E-06	-0.20998	hypo	sig	chr11_3645048
chr11	72241135	72241135	+	2.486E-07	1.3901E-06	0.209875	hyper	sig	chr11_72241135
chr2	69742715	69742715	+	2.492E-07	1.3933E-06	-0.20286	hypo	sig	chr2_69742715
chr12	6167902	6167902	+	2.494E-07	1.3947E-06	-0.22134	hypo	sig	chr12_6167902
chr12	1.32E+08	132331947	+	2.497E-07	1.3958E-06	-0.20134	hypo	sig	chr12_132331947
chr2	1.35E+08	134719556	+	2.497E-07	1.3959E-06	0.252797	hyper	sig	chr2_134719556
chr5	1.74E+08	173555989	+	2.498E-07	1.3966E-06	-0.22644	hypo	sig	chr5_173555989
chr3	36945501	36945501	+	2.498E-07	1.3967E-06	-0.20588	hypo	sig	chr3_36945501
chr10	1.33E+08	132879129	+	2.503E-07	1.3991E-06	-0.22486	hypo	sig	chr10_132879129
chr1	1430845	1430845	+	2.508E-07	1.4016E-06	0.222472	hyper	sig	chr1_1430845
chr7	1.57E+08	157006116	+	2.508E-07	1.4017E-06	0.265567	hyper	sig	chr7_157006116
chr8	1.45E+08	145007974	+	2.508E-07	1.4018E-06	0.204205	hyper	sig	chr8_145007974
chr11	17718809	17718809	+	2.51E-07	1.403E-06	0.210137	hyper	sig	chr11_17718809
chr19	2273020	2273020	+	2.513E-07	1.4045E-06	-0.22249	hypo	sig	chr19_2273020
chr12	1.3E+08	130456554	+	2.517E-07	1.4064E-06	-0.23169	hypo	sig	chr12_130456554
chr5	1.41E+08	141136808	+	2.521E-07	1.4089E-06	0.207116	hyper	sig	chr5_141136808
chr4	1305758	1305758	+	2.525E-07	1.4109E-06	-0.20493	hypo	sig	chr4_1305758
chr15	89379367	89379367	+	2.526E-07	1.4113E-06	0.207726	hyper	sig	chr15_89379367
chr1	6111696	6111696	+	2.527E-07	1.4121E-06	-0.20633	hypo	sig	chr1_6111696
chr8	64586127	64586127	+	2.528E-07	1.4125E-06	0.201834	hyper	sig	chr8_64586127

chr21	45348251	45348251	+	2.529E-07	1.4129E-06	-0.20488	hypo	sig	chr21_45348251
chr1	2.05E+08	205448449	+	2.534E-07	1.4155E-06	-0.21579	hypo	sig	chr1_205448449
chr2	1.64E+08	163733746	+	2.537E-07	1.4172E-06	0.200251	hyper	sig	chr2_163733746
chr11	76686218	76686218	+	2.541E-07	1.4194E-06	-0.20454	hypo	sig	chr11_76686218
chr12	1.24E+08	124098361	+	2.552E-07	1.4248E-06	0.201574	hyper	sig	chr12_124098361
chr11	1401105	1401105	+	2.552E-07	1.4252E-06	-0.20023	hypo	sig	chr11_1401105
chr19	37303660	37303660	+	2.553E-07	1.4253E-06	0.231672	hyper	sig	chr19_37303660
chr10	1.33E+08	133123296	+	2.555E-07	1.4269E-06	-0.2321	hypo	sig	chr10_133123296
chr12	6556108	6556108	+	2.555E-07	1.4269E-06	0.201857	hyper	sig	chr12_6556108
chr20	35174671	35174671	+	2.557E-07	1.4279E-06	-0.22188	hypo	sig	chr20_35174671
chr1	90717546	90717546	+	2.561E-07	1.4298E-06	0.246313	hyper	sig	chr1_90717546
chr16	253075	253075	+	2.566E-07	1.4323E-06	-0.21052	hypo	sig	chr16_253075
chr18	79772407	79772407	+	2.566E-07	1.4324E-06	-0.21162	hypo	sig	chr18_79772407
chr22	38865095	38865095	+	2.57E-07	1.4344E-06	0.216061	hyper	sig	chr22_38865095
chr11	49561617	49561617	+	2.571E-07	1.4348E-06	0.256178	hyper	sig	chr11_49561617
chr17	81734644	81734644	+	2.571E-07	1.4349E-06	-0.23455	hypo	sig	chr17_81734644
chr3	1.27E+08	127390661	+	2.575E-07	1.4373E-06	-0.20321	hypo	sig	chr3_127390661
chr14	72679855	72679855	+	2.576E-07	1.4374E-06	0.253051	hyper	sig	chr14_72679855
chr1	2.28E+08	228315491	+	2.579E-07	1.439E-06	-0.24856	hypo	sig	chr1_228315491
chr22	44737343	44737343	+	2.579E-07	1.4395E-06	-0.20135	hypo	sig	chr22_44737343
chr1	2434409	2434409	+	2.582E-07	1.4407E-06	-0.21755	hypo	sig	chr1_2434409
chr17	7739888	7739888	+	2.584E-07	1.4419E-06	-0.20809	hypo	sig	chr17_7739888
chr19	11243685	11243685	+	2.587E-07	1.4434E-06	0.20415	hyper	sig	chr19_11243685
chr5	1.79E+08	178515540	+	2.588E-07	1.4439E-06	-0.201	hypo	sig	chr5_178515540
chr5	1.41E+08	141419259	+	2.594E-07	1.4471E-06	0.208624	hyper	sig	chr5_141419259
chr1	1.82E+08	182056043	+	2.596E-07	1.4477E-06	-0.20651	hypo	sig	chr1_182056043
chr17	81251560	81251560	+	2.596E-07	1.448E-06	-0.22553	hypo	sig	chr17_81251560
chr17	76028218	76028218	+	2.597E-07	1.4487E-06	-0.22015	hypo	sig	chr17_76028218
chr2	2.42E+08	241926793	+	2.598E-07	1.4492E-06	-0.21156	hypo	sig	chr2_241926793
chr18	78558974	78558974	+	2.601E-07	1.4504E-06	-0.20839	hypo	sig	chr18_78558974
chr11	64608235	64608235	+	2.61E-07	1.4552E-06	0.22022	hyper	sig	chr11_64608235
chr9	1.33E+08	132878989	+	2.61E-07	1.4553E-06	0.218229	hyper	sig	chr9_132878989
chr12	1.14E+08	114440249	+	2.61E-07	1.4555E-06	0.268073	hyper	sig	chr12_114440249
chr7	120703	120703	+	2.611E-07	1.4559E-06	-0.2348	hypo	sig	chr7_120703
chr15	90084320	90084320	+	2.611E-07	1.4562E-06	0.233381	hyper	sig	chr15_90084320
chr8	1.43E+08	142585860	+	2.617E-07	1.459E-06	-0.23183	hypo	sig	chr8_142585860
chr3	13700535	13700535	+	2.621E-07	1.461E-06	0.200666	hyper	sig	chr3_13700535
chr7	1.58E+08	158098051	+	2.622E-07	1.4616E-06	0.245805	hyper	sig	chr7_158098051
chr1	22450712	22450712	+	2.625E-07	1.4631E-06	-0.23165	hypo	sig	chr1_22450712
chr19	1496630	1496630	+	2.629E-07	1.4654E-06	-0.22953	hypo	sig	chr19_1496630
chr9	1.34E+08	133979498	+	2.635E-07	1.4686E-06	0.234442	hyper	sig	chr9_133979498
chr9	36036517	36036517	+	2.638E-07	1.4704E-06	0.238349	hyper	sig	chr9_36036517
chr1	6466316	6466316	+	2.641E-07	1.4718E-06	0.201583	hyper	sig	chr1_6466316
chr16	88430892	88430892	+	2.642E-07	1.4725E-06	0.252409	hyper	sig	chr16_88430892
chr10	1.17E+08	117132665	+	2.642E-07	1.4725E-06	0.200258	hyper	sig	chr10_117132665
chr10	1.25E+08	125000038	+	2.644E-07	1.4731E-06	0.213648	hyper	sig	chr10_125000038
chr14	64601881	64601881	+	2.645E-07	1.474E-06	0.206801	hyper	sig	chr14_64601881
chr19	54188248	54188248	+	2.647E-07	1.4751E-06	-0.2024	hypo	sig	chr19_54188248
chr5	63959261	63959261	+	2.649E-07	1.476E-06	0.220705	hyper	sig	chr5_63959261
chr17	78952273	78952273	+	2.652E-07	1.4775E-06	0.229582	hyper	sig	chr17_78952273
chr5	1.41E+08	141183940	+	2.652E-07	1.4775E-06	0.231155	hyper	sig	chr5_141183940
chr17	42852530	42852530	+	2.658E-07	1.4808E-06	0.203404	hyper	sig	chr17_42852530
chr22	17777666	17777666	+	2.658E-07	1.4809E-06	-0.22452	hypo	sig	chr22_17777666
chr11	32427567	32427567	+	2.66E-07	1.4816E-06	0.208577	hyper	sig	chr11_32427567
chr20	32480597	32480597	+	2.66E-07	1.4819E-06	0.202595	hyper	sig	chr20_32480597
chr19	1064260	1064260	+	2.662E-07	1.4826E-06	-0.20144	hypo	sig	chr19_1064260

chr3	26622078	26622078	+	2.662E-07	1.4829E-06	0.237942	hyper	sig	chr3_26622078
chr19	4197974	4197974	+	2.663E-07	1.4831E-06	0.219212	hyper	sig	chr19_4197974
chr22	16592994	16592994	+	2.666E-07	1.4849E-06	-0.22036	hypo	sig	chr22_16592994
chr17	45844990	45844990	+	2.666E-07	1.485E-06	-0.22586	hypo	sig	chr17_45844990
chr2	1686091	1686091	+	2.666E-07	1.4851E-06	0.22008	hyper	sig	chr2_1686091
chr6	1.68E+08	167795627	+	2.668E-07	1.4861E-06	-0.22433	hypo	sig	chr6_167795627
chr17	42687860	42687860	+	2.672E-07	1.4879E-06	0.265533	hyper	sig	chr17_42687860
chr9	98943452	98943452	+	2.68E-07	1.492E-06	0.263314	hyper	sig	chr9_98943452
chr11	655622	655622	+	2.683E-07	1.4937E-06	-0.22642	hypo	sig	chr11_655622
chr1	10635547	10635547	+	2.685E-07	1.4947E-06	0.207391	hyper	sig	chr1_10635547
chr9	1.31E+08	131036205	+	2.687E-07	1.4962E-06	-0.20394	hypo	sig	chr9_131036205
chr12	1.15E+08	114686012	+	2.692E-07	1.4985E-06	0.201266	hyper	sig	chr12_114686012
chr15	95327261	95327261	+	2.695E-07	1.5003E-06	0.2117	hyper	sig	chr15_95327261
chr5	1.41E+08	141394289	+	2.699E-07	1.5023E-06	0.202609	hyper	sig	chr5_141394289
chr9	83064779	83064779	+	2.699E-07	1.5023E-06	-0.22295	hypo	sig	chr9_83064779
chr13	20302141	20302141	+	2.699E-07	1.5025E-06	-0.20983	hypo	sig	chr13_20302141
chr16	984322	984322	+	2.7E-07	1.503E-06	-0.2257	hypo	sig	chr16_984322
chr3	1.47E+08	147398353	+	2.703E-07	1.5043E-06	0.229242	hyper	sig	chr3_147398353
chr22	49708320	49708320	+	2.707E-07	1.5064E-06	-0.21404	hypo	sig	chr22_49708320
chr5	1.5E+08	150209529	+	2.71E-07	1.5081E-06	-0.21331	hypo	sig	chr5_150209529
chr6	30731210	30731210	+	2.711E-07	1.5086E-06	-0.21139	hypo	sig	chr6_30731210
chr16	986122	986122	+	2.714E-07	1.5104E-06	-0.21169	hypo	sig	chr16_986122
chr5	1.81E+08	180646841	+	2.715E-07	1.5105E-06	-0.2075	hypo	sig	chr5_180646841
chr16	67654759	67654759	+	2.716E-07	1.5112E-06	0.230502	hyper	sig	chr16_67654759
chr12	52365247	52365247	+	2.716E-07	1.5115E-06	-0.21621	hypo	sig	chr12_52365247
chr11	65048359	65048359	+	2.717E-07	1.5118E-06	0.232479	hyper	sig	chr11_65048359
chr11	30583814	30583814	+	2.724E-07	1.5153E-06	0.205298	hyper	sig	chr11_30583814
chr5	1.33E+08	132823054	+	2.735E-07	1.5214E-06	0.210164	hyper	sig	chr5_132823054
chr11	3167272	3167272	+	2.738E-07	1.5229E-06	-0.21113	hypo	sig	chr11_3167272
chr7	1.29E+08	128903296	+	2.744E-07	1.5258E-06	-0.25154	hypo	sig	chr7_128903296
chr9	1.37E+08	137158446	+	2.747E-07	1.5273E-06	-0.2073	hypo	sig	chr9_137158446
chr22	50177971	50177971	+	2.753E-07	1.5306E-06	0.225394	hyper	sig	chr22_50177971
chr7	4862059	4862059	+	2.753E-07	1.5307E-06	0.2326	hyper	sig	chr7_4862059
chr5	1152321	1152321	+	2.756E-07	1.5323E-06	-0.24618	hypo	sig	chr5_1152321
chr12	57454777	57454777	+	2.759E-07	1.5337E-06	-0.2064	hypo	sig	chr12_57454777
chr11	507883	507883	+	2.759E-07	1.5339E-06	0.232212	hyper	sig	chr11_507883
chr1	11898327	11898327	+	2.76E-07	1.5342E-06	0.252919	hyper	sig	chr1_11898327
chr22	29554308	29554308	+	2.761E-07	1.535E-06	0.208081	hyper	sig	chr22_29554308
chr18	78498437	78498437	+	2.762E-07	1.5355E-06	-0.20601	hypo	sig	chr18_78498437
chr2	5672379	5672379	+	2.766E-07	1.5374E-06	-0.2499	hypo	sig	chr2_5672379
chr15	74133154	74133154	+	2.772E-07	1.5409E-06	0.234135	hyper	sig	chr15_74133154
chr5	10632017	10632017	+	2.777E-07	1.5435E-06	-0.21161	hypo	sig	chr5_10632017
chr15	66644903	66644903	+	2.788E-07	1.5494E-06	-0.23222	hypo	sig	chr15_66644903
chr11	30016345	30016345	+	2.795E-07	1.5527E-06	0.230719	hyper	sig	chr11_30016345
chr1	23627066	23627066	+	2.797E-07	1.5537E-06	-0.21366	hypo	sig	chr1_23627066
chr16	55652803	55652803	+	2.801E-07	1.5559E-06	-0.2363	hypo	sig	chr16_55652803
chr5	73436221	73436221	+	2.801E-07	1.5559E-06	0.214695	hyper	sig	chr5_73436221
chr19	1218534	1218534	+	2.801E-07	1.5562E-06	0.204419	hyper	sig	chr19_1218534
chr3	13623561	13623561	+	2.802E-07	1.5565E-06	-0.20593	hypo	sig	chr3_13623561
chr3	23743535	23743535	+	2.802E-07	1.5565E-06	0.217725	hyper	sig	chr3_23743535
chr17	39165684	39165684	+	2.803E-07	1.5569E-06	0.211418	hyper	sig	chr17_39165684
chr1	3771630	3771630	+	2.807E-07	1.5589E-06	0.224812	hyper	sig	chr1_3771630
chr3	28575176	28575176	+	2.812E-07	1.5616E-06	0.23982	hyper	sig	chr3_28575176
chr4	2462301	2462301	+	2.815E-07	1.5636E-06	0.228139	hyper	sig	chr4_2462301
chr2	51028489	51028489	+	2.815E-07	1.5636E-06	-0.20171	hypo	sig	chr2_51028489
chr1	16227907	16227907	+	2.831E-07	1.5717E-06	0.207015	hyper	sig	chr1_16227907

chr1	46448852	46448852	+	2.833E-07	1.5731E-06	0.21691	hyper	sig	chr1_46448852
chr12	1.32E+08	132393616	+	2.834E-07	1.5735E-06	-0.22544	hypo	sig	chr12_132393616
chr7	18087831	18087831	+	2.836E-07	1.5744E-06	0.219874	hyper	sig	chr7_18087831
chr16	86932024	86932024	+	2.838E-07	1.5754E-06	0.201195	hyper	sig	chr16_86932024
chr19	5823825	5823825	+	2.839E-07	1.5759E-06	-0.22255	hypo	sig	chr19_5823825
chr10	3118734	3118734	+	2.846E-07	1.5796E-06	-0.22412	hypo	sig	chr10_3118734
chr10	1489210	1489210	+	2.846E-07	1.5796E-06	-0.21349	hypo	sig	chr10_1489210
chr12	34338260	34338260	+	2.848E-07	1.5806E-06	-0.24219	hypo	sig	chr12_34338260
chr1	1438298	1438298	+	2.851E-07	1.5826E-06	-0.24395	hypo	sig	chr1_1438298
chr12	54019328	54019328	+	2.855E-07	1.5846E-06	0.224528	hyper	sig	chr12_54019328
chr19	48966392	48966392	+	2.861E-07	1.5876E-06	-0.20639	hypo	sig	chr19_48966392
chr5	1.77E+08	176548051	+	2.863E-07	1.5889E-06	-0.2127	hypo	sig	chr5_176548051
chr9	1.29E+08	129253984	+	2.868E-07	1.5914E-06	0.223237	hyper	sig	chr9_129253984
chr3	1.4E+08	139540106	+	2.869E-07	1.592E-06	0.202779	hyper	sig	chr3_139540106
chr2	1.2E+08	120359081	+	2.875E-07	1.5949E-06	-0.21114	hypo	sig	chr2_120359081
chr7	533412	533412	+	2.878E-07	1.5967E-06	-0.25704	hypo	sig	chr7_533412
chr17	4968943	4968943	+	2.879E-07	1.5969E-06	0.257203	hyper	sig	chr17_4968943
chr7	95396135	95396135	+	2.882E-07	1.5986E-06	-0.2321	hypo	sig	chr7_95396135
chr10	1.33E+08	133310001	+	2.883E-07	1.5993E-06	-0.20339	hypo	sig	chr10_133310001
chr15	98293846	98293846	+	2.89E-07	1.6029E-06	-0.21002	hypo	sig	chr15_98293846
chr17	850977	850977	+	2.891E-07	1.6034E-06	0.254011	hyper	sig	chr17_850977
chr8	56118021	56118021	+	2.894E-07	1.6047E-06	0.203601	hyper	sig	chr8_56118021
chr10	27413674	27413674	+	2.902E-07	1.609E-06	0.243309	hyper	sig	chr10_27413674
chr10	72009280	72009280	+	2.903E-07	1.61E-06	0.275944	hyper	sig	chr10_72009280
chr2	29920086	29920086	+	2.906E-07	1.6111E-06	0.222368	hyper	sig	chr2_29920086
chr5	1.41E+08	141150436	+	2.909E-07	1.6129E-06	0.201895	hyper	sig	chr5_141150436
chr5	1.77E+08	177400797	+	2.91E-07	1.6137E-06	0.231349	hyper	sig	chr5_177400797
chr16	2039033	2039033	+	2.913E-07	1.615E-06	0.219151	hyper	sig	chr16_2039033
chr19	7550692	7550692	+	2.916E-07	1.6167E-06	0.20881	hyper	sig	chr19_7550692
chr21	43758549	43758549	+	2.916E-07	1.6167E-06	0.237542	hyper	sig	chr21_43758549
chr3	48662031	48662031	+	2.919E-07	1.6179E-06	0.267045	hyper	sig	chr3_48662031
chr2	96865304	96865304	+	2.93E-07	1.6238E-06	0.224079	hyper	sig	chr2_96865304
chr4	7772940	7772940	+	2.934E-07	1.626E-06	0.233633	hyper	sig	chr4_7772940
chr8	1930925	1930925	+	2.934E-07	1.6263E-06	-0.22116	hypo	sig	chr8_1930925
chr3	5098442	5098442	+	2.938E-07	1.6282E-06	-0.21494	hypo	sig	chr3_5098442
chr11	1.2E+08	119597871	+	2.939E-07	1.6287E-06	-0.24106	hypo	sig	chr11_119597871
chr2	8457793	8457793	+	2.942E-07	1.6302E-06	-0.20809	hypo	sig	chr2_8457793
chr8	1.23E+08	123207178	+	2.948E-07	1.6333E-06	0.243464	hyper	sig	chr8_123207178
chr1	3277648	3277648	+	2.951E-07	1.6353E-06	-0.24458	hypo	sig	chr1_3277648
chr12	1.13E+08	113478853	+	2.958E-07	1.6386E-06	0.287354	hyper	sig	chr12_113478853
chr15	92393134	92393134	+	2.961E-07	1.6404E-06	0.217979	hyper	sig	chr15_92393134
chr22	25179359	25179359	+	2.962E-07	1.6412E-06	0.209057	hyper	sig	chr22_25179359
chr20	22576880	22576880	+	2.964E-07	1.6421E-06	0.205372	hyper	sig	chr20_22576880
chr8	32647257	32647257	+	2.964E-07	1.6422E-06	0.264017	hyper	sig	chr8_32647257
chr1	2.07E+08	207053791	+	2.968E-07	1.6441E-06	-0.20955	hypo	sig	chr1_207053791
chr10	1.23E+08	122822168	+	2.969E-07	1.6447E-06	-0.22741	hypo	sig	chr10_122822168
chr16	56992142	56992142	+	2.973E-07	1.6469E-06	-0.21402	hypo	sig	chr16_56992142
chr15	40072513	40072513	+	2.98E-07	1.6504E-06	-0.21723	hypo	sig	chr15_40072513
chr17	1111960	1111960	+	2.984E-07	1.6524E-06	-0.21939	hypo	sig	chr17_1111960
chr16	67884777	67884777	+	2.985E-07	1.6532E-06	0.22186	hyper	sig	chr16_67884777
chr7	2730286	2730286	+	2.987E-07	1.6539E-06	0.209226	hyper	sig	chr7_2730286
chr12	1.25E+08	124733080	+	2.988E-07	1.6547E-06	0.226512	hyper	sig	chr12_124733080
chr10	1.01E+08	101030074	+	2.993E-07	1.6571E-06	0.23369	hyper	sig	chr10_101030074
chr11	57432960	57432960	+	2.998E-07	1.6598E-06	-0.22165	hypo	sig	chr11_57432960
chr20	2407715	2407715	+	2.998E-07	1.6601E-06	-0.21897	hypo	sig	chr20_2407715
chr3	62319236	62319236	+	3.001E-07	1.6614E-06	0.216089	hyper	sig	chr3_62319236

chr7	74043480	74043480	+	3.006E-07	1.6642E-06	0.200014	hyper	sig	chr7_74043480
chr10	1.33E+08	132607750	+	3.009E-07	1.6657E-06	0.213909	hyper	sig	chr10_132607750
chr20	45316927	45316927	+	3.01E-07	1.666E-06	0.271713	hyper	sig	chr20_45316927
chr19	49024235	49024235	+	3.01E-07	1.6662E-06	-0.23472	hypo	sig	chr19_49024235
chr2	1.37E+08	136759423	+	3.013E-07	1.6675E-06	-0.21507	hypo	sig	chr2_136759423
chr20	9506508	9506508	+	3.013E-07	1.6679E-06	0.252077	hyper	sig	chr20_9506508
chr12	1.25E+08	124621154	+	3.022E-07	1.6725E-06	0.207039	hyper	sig	chr12_124621154
chr12	1.23E+08	122872607	+	3.024E-07	1.6732E-06	-0.20511	hypo	sig	chr12_122872607
chr2	1.06E+08	106488580	+	3.025E-07	1.6739E-06	-0.21078	hypo	sig	chr2_106488580
chr12	53750811	53750811	+	3.027E-07	1.6753E-06	0.221397	hyper	sig	chr12_53750811
chr9	94332599	94332599	+	3.034E-07	1.6786E-06	0.236379	hyper	sig	chr9_94332599
chr2	2.33E+08	232611491	+	3.04E-07	1.682E-06	-0.23072	hypo	sig	chr2_232611491
chr7	1.02E+08	101936607	+	3.041E-07	1.6824E-06	0.229674	hyper	sig	chr7_101936607
chr16	10177885	10177885	+	3.042E-07	1.6829E-06	-0.20151	hypo	sig	chr16_10177885
chr16	4680600	4680600	+	3.05E-07	1.6872E-06	-0.23411	hypo	sig	chr16_4680600
chr11	1.19E+08	118971852	+	3.053E-07	1.6885E-06	0.243235	hyper	sig	chr11_118971852
chr2	1602234	1602234	+	3.058E-07	1.6913E-06	0.208237	hyper	sig	chr2_1602234
chr6	1.1E+08	110356976	+	3.06E-07	1.6926E-06	0.246094	hyper	sig	chr6_110356976
chr5	1258872	1258872	+	3.065E-07	1.6949E-06	-0.21319	hypo	sig	chr5_1258872
chr2	2.22E+08	222304884	+	3.065E-07	1.695E-06	0.21215	hyper	sig	chr2_222304884
chr11	65585072	65585072	+	3.07E-07	1.6976E-06	0.214784	hyper	sig	chr11_65585072
chr4	48491488	48491488	+	3.072E-07	1.6985E-06	0.21097	hyper	sig	chr4_48491488
chr6	34557335	34557335	+	3.072E-07	1.6987E-06	-0.212	hypo	sig	chr6_34557335
chr16	11675739	11675739	+	3.084E-07	1.7049E-06	-0.27418	hypo	sig	chr16_11675739
chr19	11195643	11195643	+	3.085E-07	1.7058E-06	0.23749	hyper	sig	chr19_11195643
chr17	20895952	20895952	+	3.09E-07	1.7079E-06	-0.21389	hypo	sig	chr17_20895952
chr17	8057053	8057053	+	3.092E-07	1.7092E-06	-0.2151	hypo	sig	chr17_8057053
chr17	81403865	81403865	+	3.092E-07	1.7094E-06	0.205804	hyper	sig	chr17_81403865
chr17	4745979	4745979	+	3.093E-07	1.7097E-06	0.253247	hyper	sig	chr17_4745979
chr2	1.72E+08	172081939	+	3.096E-07	1.7113E-06	0.228143	hyper	sig	chr2_172081939
chr6	1.66E+08	165658504	+	3.097E-07	1.7116E-06	-0.21939	hypo	sig	chr6_165658504
chr10	1.33E+08	133070621	+	3.099E-07	1.7129E-06	-0.21678	hypo	sig	chr10_133070621
chr8	1.43E+08	143261734	+	3.101E-07	1.7141E-06	-0.20794	hypo	sig	chr8_143261734
chr19	51068717	51068717	+	3.106E-07	1.7168E-06	-0.22463	hypo	sig	chr19_51068717
chr8	1.43E+08	143289336	+	3.125E-07	1.7267E-06	-0.21807	hypo	sig	chr8_143289336
chr6	31025815	31025815	+	3.128E-07	1.7281E-06	-0.2792	hypo	sig	chr6_31025815
chr3	48897847	48897847	+	3.13E-07	1.729E-06	-0.21401	hypo	sig	chr3_48897847
chr3	1.29E+08	129046177	+	3.133E-07	1.7309E-06	0.208832	hyper	sig	chr3_129046177
chr20	25083735	25083735	+	3.137E-07	1.7331E-06	0.307726	hyper	sig	chr20_25083735
chr7	1.04E+08	103989095	+	3.145E-07	1.7371E-06	0.200177	hyper	sig	chr7_103989095
chr1	16227988	16227988	+	3.148E-07	1.7387E-06	0.246693	hyper	sig	chr1_16227988
chr11	281627	281627	+	3.149E-07	1.7389E-06	0.224728	hyper	sig	chr11_281627
chr12	38151283	38151283	+	3.149E-07	1.739E-06	-0.22064	hypo	sig	chr12_38151283
chr21	45425797	45425797	+	3.15E-07	1.7397E-06	-0.20217	hypo	sig	chr21_45425797
chr2	2.18E+08	218033717	+	3.152E-07	1.7408E-06	-0.25045	hypo	sig	chr2_218033717
chr1	24931358	24931358	+	3.155E-07	1.7424E-06	0.276336	hyper	sig	chr1_24931358
chr17	48541620	48541620	+	3.161E-07	1.7457E-06	0.291789	hyper	sig	chr17_48541620
chr20	33687170	33687170	+	3.162E-07	1.7458E-06	-0.20041	hypo	sig	chr20_33687170
chr15	77817068	77817068	+	3.165E-07	1.7474E-06	-0.21579	hypo	sig	chr15_77817068
chr1	1.82E+08	182056860	+	3.17E-07	1.7502E-06	0.204664	hyper	sig	chr1_182056860
chr6	30646620	30646620	+	3.17E-07	1.7503E-06	0.215269	hyper	sig	chr6_30646620
chr6	14001402	14001402	+	3.17E-07	1.7503E-06	-0.2102	hypo	sig	chr6_14001402
chr3	1.82E+08	181724385	+	3.173E-07	1.7515E-06	0.22176	hyper	sig	chr3_181724385
chr7	57450505	57450505	+	3.173E-07	1.7517E-06	-0.23037	hypo	sig	chr7_57450505
chr1	2E+08	200038738	+	3.176E-07	1.7532E-06	0.249479	hyper	sig	chr1_200038738
chr8	1.45E+08	145007931	+	3.178E-07	1.7541E-06	0.209872	hyper	sig	chr8_145007931

chr1	1.71E+08	170667222	+	3.178E-07	1.7545E-06	0.208567	hyper	sig	chr1_170667222
chr16	89833775	89833775	+	3.181E-07	1.7559E-06	-0.21509	hypo	sig	chr16_89833775
chr17	1271372	1271372	+	3.19E-07	1.7607E-06	0.233537	hyper	sig	chr17_1271372
chr4	80185480	80185480	+	3.193E-07	1.7619E-06	0.202664	hyper	sig	chr4_80185480
chr1	36322383	36322383	+	3.194E-07	1.7622E-06	0.212024	hyper	sig	chr1_36322383
chr4	78181523	78181523	+	3.194E-07	1.7623E-06	-0.21243	hypo	sig	chr4_78181523
chr4	55347169	55347169	+	3.195E-07	1.7628E-06	-0.20954	hypo	sig	chr4_55347169
chr17	36943314	36943314	+	3.198E-07	1.7644E-06	0.215712	hyper	sig	chr17_36943314
chr22	49999163	49999163	+	3.199E-07	1.765E-06	0.232528	hyper	sig	chr22_49999163
chr12	53218740	53218740	+	3.2E-07	1.7657E-06	0.211185	hyper	sig	chr12_53218740
chr12	1.33E+08	132689307	+	3.207E-07	1.7692E-06	-0.23135	hypo	sig	chr12_132689307
chr5	1.79E+08	178577198	+	3.211E-07	1.7715E-06	0.211018	hyper	sig	chr5_178577198
chr16	3183554	3183554	+	3.213E-07	1.7725E-06	0.208445	hyper	sig	chr16_3183554
chr2	2.41E+08	240777760	+	3.215E-07	1.7733E-06	-0.21347	hypo	sig	chr2_240777760
chr7	48848061	48848061	+	3.219E-07	1.7756E-06	0.220347	hyper	sig	chr7_48848061
chr1	3142767	3142767	+	3.221E-07	1.7764E-06	0.200557	hyper	sig	chr1_3142767
chr19	601372	601372	+	3.223E-07	1.7777E-06	0.230128	hyper	sig	chr19_601372
chr2	2.19E+08	218871778	+	3.224E-07	1.7782E-06	0.202327	hyper	sig	chr2_218871778
chr3	1.7E+08	169666607	+	3.228E-07	1.7804E-06	0.204792	hyper	sig	chr3_169666607
chr20	29412140	29412140	+	3.235E-07	1.784E-06	0.268136	hyper	sig	chr20_29412140
chr17	77320301	77320301	+	3.247E-07	1.7899E-06	0.209693	hyper	sig	chr17_77320301
chr7	2678682	2678682	+	3.252E-07	1.7929E-06	-0.21486	hypo	sig	chr7_2678682
chr19	7891240	7891240	+	3.253E-07	1.7933E-06	0.22464	hyper	sig	chr19_7891240
chr1	2.24E+08	223748675	+	3.254E-07	1.794E-06	0.248479	hyper	sig	chr1_223748675
chr11	2301388	2301388	+	3.264E-07	1.7992E-06	-0.20191	hypo	sig	chr11_2301388
chr10	1.32E+08	132058698	+	3.269E-07	1.8014E-06	-0.22676	hypo	sig	chr10_132058698
chr7	57651660	57651660	+	3.269E-07	1.8014E-06	-0.2351	hypo	sig	chr7_57651660
chr12	48329129	48329129	+	3.269E-07	1.8017E-06	-0.20253	hypo	sig	chr12_48329129
chr10	1.19E+08	118595427	+	3.276E-07	1.8049E-06	0.239516	hyper	sig	chr10_118595427
chr7	1.59E+08	159061882	+	3.279E-07	1.8068E-06	0.203842	hyper	sig	chr7_159061882
chr11	67616067	67616067	+	3.281E-07	1.8078E-06	0.200653	hyper	sig	chr11_67616067
chr20	61313600	61313600	+	3.293E-07	1.814E-06	-0.20599	hypo	sig	chr20_61313600
chr1	2.35E+08	234723167	+	3.295E-07	1.8151E-06	-0.23037	hypo	sig	chr1_234723167
chr17	74988801	74988801	+	3.295E-07	1.8152E-06	0.218756	hyper	sig	chr17_74988801
chr11	1238900	1238900	+	3.302E-07	1.8187E-06	-0.20954	hypo	sig	chr11_1238900
chr12	33439091	33439091	+	3.313E-07	1.8243E-06	0.2291	hyper	sig	chr12_33439091
chr1	40816515	40816515	+	3.313E-07	1.8245E-06	-0.2067	hypo	sig	chr1_40816515
chr1	2.47E+08	247378922	+	3.32E-07	1.8281E-06	-0.20135	hypo	sig	chr1_247378922
chr14	91238631	91238631	+	3.32E-07	1.8283E-06	-0.20681	hypo	sig	chr14_91238631
chr2	558906	558906	+	3.322E-07	1.8294E-06	-0.22145	hypo	sig	chr2_558906
chr20	46210353	46210353	+	3.325E-07	1.8307E-06	0.211533	hyper	sig	chr20_46210353
chr1	11536914	11536914	+	3.326E-07	1.8313E-06	-0.20821	hypo	sig	chr1_11536914
chr1	2.48E+08	247936640	+	3.339E-07	1.8379E-06	-0.21022	hypo	sig	chr1_247936640
chr12	1.32E+08	131846012	+	3.341E-07	1.8391E-06	-0.21655	hypo	sig	chr12_131846012
chr20	20199901	20199901	+	3.341E-07	1.8391E-06	0.201144	hyper	sig	chr20_20199901
chr16	1533748	1533748	+	3.344E-07	1.8404E-06	0.201717	hyper	sig	chr16_1533748
chr19	11361434	11361434	+	3.354E-07	1.8457E-06	-0.20742	hypo	sig	chr19_11361434
chr1	2291226	2291226	+	3.354E-07	1.8459E-06	0.213159	hyper	sig	chr1_2291226
chr22	23434046	23434046	+	3.356E-07	1.8471E-06	0.227664	hyper	sig	chr22_23434046
chr16	85892426	85892426	+	3.362E-07	1.8501E-06	-0.2331	hypo	sig	chr16_85892426
chr2	74441009	74441009	+	3.364E-07	1.8511E-06	-0.21149	hypo	sig	chr2_74441009
chr6	1.68E+08	167746595	+	3.367E-07	1.8526E-06	0.224951	hyper	sig	chr6_167746595
chr12	75208148	75208148	+	3.368E-07	1.8532E-06	0.213568	hyper	sig	chr12_75208148
chr19	31353979	31353979	+	3.373E-07	1.856E-06	-0.23221	hypo	sig	chr19_31353979
chr19	4548338	4548338	+	3.375E-07	1.8567E-06	-0.20057	hypo	sig	chr19_4548338
chr10	75408785	75408785	+	3.377E-07	1.8579E-06	0.206162	hyper	sig	chr10_75408785

chr6	1.7E+08	169832131	+	3.385E-07	1.8621E-06	0.23913	hyper	sig	chr6_169832131
chr2	24174918	24174918	+	3.39E-07	1.8649E-06	0.204817	hyper	sig	chr2_24174918
chr22	48504083	48504083	+	3.391E-07	1.865E-06	-0.20471	hypo	sig	chr22_48504083
chr7	1.32E+08	132156063	+	3.392E-07	1.8657E-06	-0.25602	hypo	sig	chr7_132156063
chr20	23630185	23630185	+	3.394E-07	1.8669E-06	-0.22108	hypo	sig	chr20_23630185
chr5	73436190	73436190	+	3.405E-07	1.8728E-06	0.217436	hyper	sig	chr5_73436190
chr16	3180578	3180578	+	3.408E-07	1.874E-06	0.207663	hyper	sig	chr16_3180578
chr12	6555466	6555466	+	3.409E-07	1.8747E-06	0.233309	hyper	sig	chr12_6555466
chr14	1.04E+08	103718775	+	3.411E-07	1.8757E-06	0.22124	hyper	sig	chr14_103718775
chr6	10418830	10418830	+	3.414E-07	1.8773E-06	0.221086	hyper	sig	chr6_10418830
chr19	49809685	49809685	+	3.414E-07	1.8776E-06	0.248989	hyper	sig	chr19_49809685
chr2	25204299	25204299	+	3.415E-07	1.8779E-06	0.222336	hyper	sig	chr2_25204299
chr8	18387678	18387678	+	3.419E-07	1.88E-06	-0.23606	hypo	sig	chr8_18387678
chr20	58856248	58856248	+	3.422E-07	1.8817E-06	-0.20411	hypo	sig	chr20_58856248
chr7	5478679	5478679	+	3.432E-07	1.8865E-06	0.257517	hyper	sig	chr7_5478679
chr7	2717969	2717969	+	3.433E-07	1.8873E-06	0.207308	hyper	sig	chr7_2717969
chr6	13860466	13860466	+	3.434E-07	1.8877E-06	0.253239	hyper	sig	chr6_13860466
chr1	1.65E+08	165360035	+	3.436E-07	1.8886E-06	-0.20623	hypo	sig	chr1_165360035
chr1	2030533	2030533	+	3.436E-07	1.889E-06	-0.21783	hypo	sig	chr1_2030533
chr1	6638371	6638371	+	3.446E-07	1.8941E-06	0.209301	hyper	sig	chr1_6638371
chr1	2.28E+08	228149847	+	3.452E-07	1.8971E-06	0.217635	hyper	sig	chr1_228149847
chr7	1.22E+08	121873695	+	3.453E-07	1.8977E-06	0.202273	hyper	sig	chr7_121873695
chr10	46578373	46578373	+	3.472E-07	1.9075E-06	0.24529	hyper	sig	chr10_46578373
chr2	2.19E+08	219447678	+	3.475E-07	1.9091E-06	0.238296	hyper	sig	chr2_219447678
chr12	1.33E+08	132558961	+	3.476E-07	1.9098E-06	-0.23199	hypo	sig	chr12_132558961
chr14	96739615	96739615	+	3.477E-07	1.91E-06	-0.20865	hypo	sig	chr14_96739615
chr3	1.96E+08	195874069	+	3.48E-07	1.9116E-06	-0.20281	hypo	sig	chr3_195874069
chr11	6244086	6244086	+	3.485E-07	1.9142E-06	-0.21026	hypo	sig	chr11_6244086
chr1	1354761	1354761	+	3.486E-07	1.9148E-06	-0.24346	hypo	sig	chr1_1354761
chr17	41813866	41813866	+	3.49E-07	1.9169E-06	0.225591	hyper	sig	chr17_41813866
chr17	76917417	76917417	+	3.491E-07	1.9175E-06	-0.20406	hypo	sig	chr17_76917417
chr10	1.3E+08	130441185	+	3.493E-07	1.9186E-06	-0.21877	hypo	sig	chr10_130441185
chr11	73325046	73325046	+	3.497E-07	1.9208E-06	0.231053	hyper	sig	chr11_73325046
chr13	99983096	99983096	+	3.498E-07	1.9209E-06	0.208503	hyper	sig	chr13_99983096
chr19	12751072	12751072	+	3.499E-07	1.9216E-06	-0.23631	hypo	sig	chr19_12751072
chr8	839883	839883	+	3.5E-07	1.9221E-06	-0.22662	hypo	sig	chr8_839883
chr15	40072664	40072664	+	3.51E-07	1.9272E-06	-0.24707	hypo	sig	chr15_40072664
chr20	49567587	49567587	+	3.514E-07	1.9294E-06	0.208344	hyper	sig	chr20_49567587
chr2	2.19E+08	219286135	+	3.52E-07	1.9324E-06	0.205296	hyper	sig	chr2_219286135
chr21	46661698	46661698	+	3.522E-07	1.9336E-06	0.221099	hyper	sig	chr21_46661698
chr22	32175832	32175832	+	3.527E-07	1.9362E-06	0.209269	hyper	sig	chr22_32175832
chr20	21103706	21103706	+	3.528E-07	1.9367E-06	0.282045	hyper	sig	chr20_21103706
chr12	1.31E+08	130712448	+	3.528E-07	1.9369E-06	-0.21435	hypo	sig	chr12_130712448
chr16	54591716	54591716	+	3.529E-07	1.9374E-06	-0.20857	hypo	sig	chr16_54591716
chr19	45815394	45815394	+	3.533E-07	1.9394E-06	0.232641	hyper	sig	chr19_45815394
chr19	50722518	50722518	+	3.535E-07	1.9402E-06	-0.25856	hypo	sig	chr19_50722518
chr1	1204184	1204184	+	3.54E-07	1.9431E-06	-0.21123	hypo	sig	chr1_1204184
chr12	12927295	12927295	+	3.542E-07	1.9438E-06	-0.20677	hypo	sig	chr12_12927295
chr17	49964224	49964224	+	3.55E-07	1.9482E-06	0.216709	hyper	sig	chr17_49964224
chr7	149998	149998	+	3.558E-07	1.9525E-06	0.20319	hyper	sig	chr7_149998
chr10	44293229	44293229	+	3.562E-07	1.9544E-06	0.221626	hyper	sig	chr10_44293229
chr10	49328921	49328921	+	3.578E-07	1.9626E-06	-0.23526	hypo	sig	chr10_49328921
chr10	49441932	49441932	+	3.58E-07	1.9637E-06	0.228813	hyper	sig	chr10_49441932
chr9	1.31E+08	130915039	+	3.588E-07	1.968E-06	-0.22721	hypo	sig	chr9_130915039
chr19	19549907	19549907	+	3.588E-07	1.9682E-06	-0.26158	hypo	sig	chr19_19549907
chr14	28264413	28264413	+	3.588E-07	1.9682E-06	0.23475	hyper	sig	chr14_28264413

chr5	88660091	88660091	+	3.591E-07	1.9695E-06	0.210471	hyper	sig	chr5_88660091
chr20	64062531	64062531	+	3.592E-07	1.9703E-06	0.230828	hyper	sig	chr20_64062531
chr20	22582601	22582601	+	3.598E-07	1.9734E-06	0.20107	hyper	sig	chr20_22582601
chr1	9311344	9311344	+	3.599E-07	1.9739E-06	0.207607	hyper	sig	chr1_9311344
chr17	50611949	50611949	+	3.606E-07	1.9777E-06	-0.21552	hypo	sig	chr17_50611949
chr6	1.7E+08	170166694	+	3.609E-07	1.9793E-06	-0.21743	hypo	sig	chr6_170166694
chr19	18866417	18866417	+	3.61E-07	1.9797E-06	0.214144	hyper	sig	chr19_18866417
chr13	1.12E+08	112207870	+	3.615E-07	1.9824E-06	-0.22924	hypo	sig	chr13_112207870
chr17	48572937	48572937	+	3.615E-07	1.9824E-06	0.229733	hyper	sig	chr17_48572937
chr1	32765798	32765798	+	3.617E-07	1.983E-06	0.202117	hyper	sig	chr1_32765798
chr3	1.84E+08	184338864	+	3.617E-07	1.9834E-06	0.240728	hyper	sig	chr3_184338864
chr5	1.79E+08	179260707	+	3.624E-07	1.9868E-06	-0.23845	hypo	sig	chr5_179260707
chr7	8444130	8444130	+	3.631E-07	1.9906E-06	0.204772	hyper	sig	chr7_8444130
chr17	7851467	7851467	+	3.633E-07	1.9918E-06	-0.23605	hypo	sig	chr17_7851467
chr1	29290868	29290868	+	3.634E-07	1.9921E-06	0.215379	hyper	sig	chr1_29290868
chr1	1.48E+08	148354926	+	3.637E-07	1.9938E-06	0.213025	hyper	sig	chr1_148354926
chr8	1.41E+08	140549817	+	3.637E-07	1.9938E-06	0.200444	hyper	sig	chr8_140549817
chr16	87414444	87414444	+	3.639E-07	1.9949E-06	-0.22978	hypo	sig	chr16_87414444
chr5	1.41E+08	141102071	+	3.641E-07	1.9959E-06	0.218516	hyper	sig	chr5_141102071
chr20	4761776	4761776	+	3.642E-07	1.9964E-06	-0.20649	hypo	sig	chr20_4761776
chr8	73097303	73097303	+	3.644E-07	1.9975E-06	-0.23002	hypo	sig	chr8_73097303
chr7	4862070	4862070	+	3.647E-07	1.9989E-06	0.221346	hyper	sig	chr7_4862070
chr15	45116572	45116572	+	3.652E-07	2.0011E-06	0.252351	hyper	sig	chr15_45116572
chr4	1.74E+08	173502508	+	3.653E-07	2.0018E-06	-0.24453	hypo	sig	chr4_173502508
chr12	54019325	54019325	+	3.655E-07	2.0029E-06	0.222795	hyper	sig	chr12_54019325
chr19	24000111	24000111	+	3.66E-07	2.0056E-06	-0.21718	hypo	sig	chr19_24000111
chr16	1991611	1991611	+	3.664E-07	2.0078E-06	0.23745	hyper	sig	chr16_1991611
chr10	75399261	75399261	+	3.665E-07	2.0079E-06	0.231897	hyper	sig	chr10_75399261
chr12	1.31E+08	131044884	+	3.666E-07	2.0084E-06	-0.20849	hypo	sig	chr12_131044884
chr9	1.36E+08	135590576	+	3.673E-07	2.0122E-06	-0.21238	hypo	sig	chr9_135590576
chr3	13484397	13484397	+	3.675E-07	2.0132E-06	-0.22996	hypo	sig	chr3_13484397
chr3	1.7E+08	169666289	+	3.684E-07	2.0179E-06	0.216633	hyper	sig	chr3_169666289
chr16	88793550	88793550	+	3.684E-07	2.0181E-06	-0.20248	hypo	sig	chr16_88793550
chr19	53553992	53553992	+	3.685E-07	2.0182E-06	0.206485	hyper	sig	chr19_53553992
chr15	52795032	52795032	+	3.685E-07	2.0183E-06	0.229478	hyper	sig	chr15_52795032
chr1	1.61E+08	160982942	+	3.686E-07	2.019E-06	-0.21935	hypo	sig	chr1_160982942
chr22	44729640	44729640	+	3.694E-07	2.0232E-06	0.203342	hyper	sig	chr22_44729640
chr17	63989184	63989184	+	3.703E-07	2.0279E-06	0.218381	hyper	sig	chr17_63989184
chr1	3771587	3771587	+	3.706E-07	2.0295E-06	0.23715	hyper	sig	chr1_3771587
chr10	21510234	21510234	+	3.714E-07	2.0334E-06	0.21625	hyper	sig	chr10_21510234
chr14	69570921	69570921	+	3.718E-07	2.0356E-06	-0.22903	hypo	sig	chr14_69570921
chr2	3783002	3783002	+	3.724E-07	2.0386E-06	-0.24319	hypo	sig	chr2_3783002
chr12	57739223	57739223	+	3.738E-07	2.0457E-06	0.216083	hyper	sig	chr12_57739223
chr10	1.33E+08	132923721	+	3.738E-07	2.0458E-06	-0.20122	hypo	sig	chr10_132923721
chr1	2.43E+08	243482922	+	3.738E-07	2.046E-06	0.233181	hyper	sig	chr1_243482922
chr7	1.55E+08	154914149	+	3.74E-07	2.0466E-06	0.207295	hyper	sig	chr7_154914149
chr1	1.53E+08	152881103	+	3.744E-07	2.0489E-06	-0.20834	hypo	sig	chr1_152881103
chr10	80196215	80196215	+	3.75E-07	2.0519E-06	-0.20971	hypo	sig	chr10_80196215
chr10	92420116	92420116	+	3.751E-07	2.0523E-06	0.267003	hyper	sig	chr10_92420116
chr1	76700057	76700057	+	3.759E-07	2.0568E-06	-0.26319	hypo	sig	chr1_76700057
chr15	93067551	93067551	+	3.764E-07	2.0591E-06	-0.20702	hypo	sig	chr15_93067551
chr7	42236133	42236133	+	3.765E-07	2.0595E-06	0.212612	hyper	sig	chr7_42236133
chr22	31139999	31139999	+	3.766E-07	2.0604E-06	0.217511	hyper	sig	chr22_31139999
chr7	27245241	27245241	+	3.77E-07	2.0621E-06	0.237605	hyper	sig	chr7_27245241
chr9	1.22E+08	121739667	+	3.774E-07	2.0646E-06	0.203975	hyper	sig	chr9_121739667
chr8	1.44E+08	144327582	+	3.781E-07	2.0678E-06	0.203775	hyper	sig	chr8_144327582

chr7	6664563	6664563	+	3.784E-07	2.0694E-06	0.216807	hyper	sig	chr7_6664563
chr22	26756992	26756992	+	3.791E-07	2.0731E-06	0.209985	hyper	sig	chr22_26756992
chr12	4809111	4809111	+	3.791E-07	2.0734E-06	0.283539	hyper	sig	chr12_4809111
chr17	40355358	40355358	+	3.794E-07	2.0747E-06	0.203291	hyper	sig	chr17_40355358
chr13	20301881	20301881	+	3.795E-07	2.0754E-06	0.216266	hyper	sig	chr13_20301881
chr2	1.3E+08	130343959	+	3.799E-07	2.0774E-06	-0.20804	hypo	sig	chr2_130343959
chr1	2313157	2313157	+	3.811E-07	2.0833E-06	0.202804	hyper	sig	chr1_2313157
chr21	46670596	46670596	+	3.818E-07	2.0871E-06	-0.22858	hypo	sig	chr21_46670596
chr17	57045488	57045488	+	3.826E-07	2.0915E-06	0.240926	hyper	sig	chr17_57045488
chr1	44801147	44801147	+	3.828E-07	2.0926E-06	-0.20606	hypo	sig	chr1_44801147
chr9	1.38E+08	137606954	+	3.834E-07	2.0953E-06	-0.20536	hypo	sig	chr9_137606954
chr4	3868796	3868796	+	3.837E-07	2.0969E-06	-0.25051	hypo	sig	chr4_3868796
chr7	57404954	57404954	+	3.843E-07	2.1004E-06	0.204431	hyper	sig	chr7_57404954
chr12	53492460	53492460	+	3.844E-07	2.1006E-06	0.221882	hyper	sig	chr12_53492460
chr7	1384012	1384012	+	3.85E-07	2.1037E-06	-0.20944	hypo	sig	chr7_1384012
chr11	1.25E+08	125170542	+	3.851E-07	2.1041E-06	0.224217	hyper	sig	chr11_125170542
chr2	25277183	25277183	+	3.867E-07	2.1129E-06	0.212332	hyper	sig	chr2_25277183
chr16	57628187	57628187	+	3.869E-07	2.114E-06	0.217888	hyper	sig	chr16_57628187
chr8	11338212	11338212	+	3.873E-07	2.1156E-06	-0.21917	hypo	sig	chr8_11338212
chr11	9090984	9090984	+	3.878E-07	2.1185E-06	0.218298	hyper	sig	chr11_9090984
chr11	2886876	2886876	+	3.883E-07	2.1212E-06	0.201694	hyper	sig	chr11_2886876
chr7	73743557	73743557	+	3.893E-07	2.126E-06	-0.21709	hypo	sig	chr7_73743557
chr3	1.34E+08	133783765	+	3.893E-07	2.1261E-06	0.206325	hyper	sig	chr3_133783765
chr22	17366476	17366476	+	3.905E-07	2.132E-06	-0.27005	hypo	sig	chr22_17366476
chr10	80535851	80535851	+	3.919E-07	2.1394E-06	-0.20542	hypo	sig	chr10_80535851
chr12	1.1E+08	109716484	+	3.919E-07	2.1396E-06	0.209802	hyper	sig	chr12_109716484
chr6	1.1E+08	110399876	+	3.921E-07	2.1405E-06	0.241322	hyper	sig	chr6_110399876
chr7	2440991	2440991	+	3.925E-07	2.1425E-06	-0.24235	hypo	sig	chr7_2440991
chr14	99522408	99522408	+	3.925E-07	2.1427E-06	0.206228	hyper	sig	chr14_99522408
chr11	50268237	50268237	+	3.94E-07	2.1503E-06	-0.24486	hypo	sig	chr11_50268237
chr13	78594271	78594271	+	3.951E-07	2.1559E-06	0.20219	hyper	sig	chr13_78594271
chr4	13540341	13540341	+	3.959E-07	2.1603E-06	0.210806	hyper	sig	chr4_13540341
chr16	87541188	87541188	+	3.969E-07	2.1653E-06	0.206903	hyper	sig	chr16_87541188
chr19	18787494	18787494	+	3.97E-07	2.1658E-06	0.224923	hyper	sig	chr19_18787494
chr22	49850038	49850038	+	3.971E-07	2.1663E-06	0.21753	hyper	sig	chr22_49850038
chr11	45661838	45661838	+	3.974E-07	2.1679E-06	-0.22202	hypo	sig	chr11_45661838
chr6	1.68E+08	168035631	+	3.988E-07	2.1752E-06	-0.20768	hypo	sig	chr6_168035631
chr15	78764204	78764204	+	3.991E-07	2.1766E-06	-0.21659	hypo	sig	chr15_78764204
chr2	26558896	26558896	+	3.992E-07	2.1773E-06	0.233766	hyper	sig	chr2_26558896
chr5	1.78E+08	178397384	+	3.993E-07	2.1779E-06	0.218091	hyper	sig	chr5_178397384
chr1	31771936	31771936	+	3.995E-07	2.1787E-06	0.250858	hyper	sig	chr1_31771936
chr2	88284073	88284073	+	3.996E-07	2.1792E-06	0.212722	hyper	sig	chr2_88284073
chr19	1496575	1496575	+	4.005E-07	2.1838E-06	-0.21652	hypo	sig	chr19_1496575
chr21	46661715	46661715	+	4.008E-07	2.1853E-06	0.206375	hyper	sig	chr21_46661715
chr12	85279462	85279462	+	4.016E-07	2.1898E-06	0.21944	hyper	sig	chr12_85279462
chr10	1212044	1212044	+	4.029E-07	2.1961E-06	-0.21296	hypo	sig	chr10_1212044
chr6	1.69E+08	168856157	+	4.03E-07	2.197E-06	-0.21793	hypo	sig	chr6_168856157
chr1	3037744	3037744	+	4.031E-07	2.1976E-06	-0.22442	hypo	sig	chr1_3037744
chr17	44657257	44657257	+	4.039E-07	2.2015E-06	0.226473	hyper	sig	chr17_44657257
chr8	22704884	22704884	+	4.046E-07	2.2052E-06	0.200521	hyper	sig	chr8_22704884
chr18	23690573	23690573	+	4.051E-07	2.2077E-06	-0.20008	hypo	sig	chr18_23690573
chr17	42155771	42155771	+	4.054E-07	2.2094E-06	0.207628	hyper	sig	chr17_42155771
chr6	1.6E+08	159820301	+	4.055E-07	2.2097E-06	-0.21281	hypo	sig	chr6_159820301
chr5	98840134	98840134	+	4.055E-07	2.2098E-06	-0.2267	hypo	sig	chr5_98840134
chr3	63278192	63278192	+	4.061E-07	2.2125E-06	0.218724	hyper	sig	chr3_63278192
chr7	1.58E+08	157577354	+	4.061E-07	2.2129E-06	-0.22684	hypo	sig	chr7_157577354

chr5	3536309	3536309	+	4.066E-07	2.2153E-06	-0.22775	hypo	sig	chr5_3536309
chr1	12591591	12591591	+	4.073E-07	2.2189E-06	0.201948	hyper	sig	chr1_12591591
chr5	77632937	77632937	+	4.079E-07	2.222E-06	0.204969	hyper	sig	chr5_77632937
chr5	1.41E+08	140850357	+	4.08E-07	2.2226E-06	0.253873	hyper	sig	chr5_140850357
chr4	2462287	2462287	+	4.083E-07	2.2239E-06	0.215694	hyper	sig	chr4_2462287
chr17	77060195	77060195	+	4.086E-07	2.2256E-06	-0.25572	hypo	sig	chr17_77060195
chr15	1.01E+08	100880554	+	4.095E-07	2.2303E-06	0.202825	hyper	sig	chr15_100880554
chr2	2.32E+08	232409274	+	4.098E-07	2.2319E-06	-0.20707	hypo	sig	chr2_232409274
chr1	2.28E+08	228149719	+	4.099E-07	2.2325E-06	0.252556	hyper	sig	chr1_228149719
chr7	1.57E+08	157005606	+	4.109E-07	2.2375E-06	0.20525	hyper	sig	chr7_157005606
chr2	73213392	73213392	+	4.112E-07	2.2388E-06	-0.2594	hypo	sig	chr2_73213392
chr13	1.1E+08	110325704	+	4.123E-07	2.2446E-06	-0.20379	hypo	sig	chr13_110325704
chr16	30927879	30927879	+	4.133E-07	2.2498E-06	0.220541	hyper	sig	chr16_30927879
chr1	1.45E+08	145168236	+	4.136E-07	2.2513E-06	0.228446	hyper	sig	chr1_145168236
chr7	27143858	27143858	+	4.142E-07	2.2549E-06	0.218314	hyper	sig	chr7_27143858
chr6	10421615	10421615	+	4.148E-07	2.258E-06	0.204975	hyper	sig	chr6_10421615
chr6	39228514	39228514	+	4.15E-07	2.2588E-06	-0.20239	hypo	sig	chr6_39228514
chr5	73232367	73232367	+	4.167E-07	2.2679E-06	0.209152	hyper	sig	chr5_73232367
chr19	3097753	3097753	+	4.168E-07	2.2682E-06	0.213539	hyper	sig	chr19_3097753
chr11	58575459	58575459	+	4.18E-07	2.2743E-06	-0.22865	hypo	sig	chr11_58575459
chr10	1.33E+08	133100057	+	4.184E-07	2.2764E-06	-0.22686	hypo	sig	chr10_133100057
chr3	1.97E+08	196640780	+	4.196E-07	2.2825E-06	-0.20007	hypo	sig	chr3_196640780
chr22	50546688	50546688	+	4.203E-07	2.2864E-06	0.22448	hyper	sig	chr22_50546688
chr4	7635703	7635703	+	4.21E-07	2.2899E-06	-0.218	hypo	sig	chr4_7635703
chr11	64566701	64566701	+	4.213E-07	2.2914E-06	-0.24498	hypo	sig	chr11_64566701
chr7	1027587	1027587	+	4.215E-07	2.2922E-06	0.225978	hyper	sig	chr7_1027587
chr11	17718827	17718827	+	4.239E-07	2.3048E-06	0.22183	hyper	sig	chr11_17718827
chr7	48848042	48848042	+	4.24E-07	2.3052E-06	0.207305	hyper	sig	chr7_48848042
chr9	1.28E+08	128233951	+	4.241E-07	2.306E-06	-0.2102	hypo	sig	chr9_128233951
chr16	4680355	4680355	+	4.247E-07	2.3089E-06	-0.20021	hypo	sig	chr16_4680355
chr12	33438430	33438430	+	4.25E-07	2.3108E-06	0.203072	hyper	sig	chr12_33438430
chr17	82000479	82000479	+	4.256E-07	2.3134E-06	-0.21891	hypo	sig	chr17_82000479
chr5	1.41E+08	141400255	+	4.26E-07	2.3155E-06	0.228997	hyper	sig	chr5_141400255
chr1	11858726	11858726	+	4.26E-07	2.3157E-06	0.214662	hyper	sig	chr1_11858726
chr4	577193	577193	+	4.267E-07	2.3191E-06	0.209794	hyper	sig	chr4_577193
chr12	1820507	1820507	+	4.271E-07	2.3215E-06	0.229031	hyper	sig	chr12_1820507
chr18	79797213	79797213	+	4.279E-07	2.3258E-06	0.241752	hyper	sig	chr18_79797213
chr13	18874866	18874866	+	4.292E-07	2.3325E-06	0.22951	hyper	sig	chr13_18874866
chr16	5100964	5100964	+	4.299E-07	2.3356E-06	-0.23479	hypo	sig	chr16_5100964
chr2	44801509	44801509	+	4.315E-07	2.3442E-06	0.2221	hyper	sig	chr2_44801509
chr16	5058588	5058588	+	4.321E-07	2.3469E-06	0.203791	hyper	sig	chr16_5058588
chr2	63806602	63806602	+	4.322E-07	2.3474E-06	-0.23109	hypo	sig	chr2_63806602
chr17	81381487	81381487	+	4.326E-07	2.3497E-06	-0.21206	hypo	sig	chr17_81381487
chr11	1771435	1771435	+	4.328E-07	2.3507E-06	-0.21381	hypo	sig	chr11_1771435
chr19	1230849	1230849	+	4.336E-07	2.3546E-06	0.214716	hyper	sig	chr19_1230849
chr8	98973706	98973706	+	4.337E-07	2.3552E-06	0.219433	hyper	sig	chr8_98973706
chr1	1.48E+08	148246176	+	4.34E-07	2.3567E-06	0.254454	hyper	sig	chr1_148246176
chr16	89833782	89833782	+	4.34E-07	2.3567E-06	-0.20781	hypo	sig	chr16_89833782
chr5	1.41E+08	141201172	+	4.341E-07	2.3574E-06	0.221258	hyper	sig	chr5_141201172
chr19	802966	802966	+	4.342E-07	2.358E-06	0.224894	hyper	sig	chr19_802966
chr20	63415776	63415776	+	4.344E-07	2.3587E-06	-0.20064	hypo	sig	chr20_63415776
chr1	1758893	1758893	+	4.344E-07	2.3588E-06	-0.22729	hypo	sig	chr1_1758893
chr4	3470534	3470534	+	4.351E-07	2.3622E-06	-0.21363	hypo	sig	chr4_3470534
chr10	7561903	7561903	+	4.355E-07	2.3644E-06	0.205747	hyper	sig	chr10_7561903
chr9	1.37E+08	137453562	+	4.355E-07	2.3646E-06	0.216679	hyper	sig	chr9_137453562
chr5	1049070	1049070	+	4.36E-07	2.367E-06	-0.22838	hypo	sig	chr5_1049070

chr5	1.41E+08	141394250	+	4.362E-07	2.3681E-06	0.220942	hyper	sig	chr5_141394250
chr3	1.23E+08	122913992	+	4.363E-07	2.3686E-06	-0.22898	hypo	sig	chr3_122913992
chr12	6540118	6540118	+	4.364E-07	2.369E-06	-0.20574	hypo	sig	chr12_6540118
chr19	403811	403811	+	4.374E-07	2.3742E-06	-0.21001	hypo	sig	chr19_403811
chr11	64711952	64711952	+	4.385E-07	2.3801E-06	0.252718	hyper	sig	chr11_64711952
chr1	16759131	16759131	+	4.391E-07	2.3832E-06	0.236413	hyper	sig	chr1_16759131
chr10	1.03E+08	102919743	+	4.392E-07	2.3836E-06	0.206272	hyper	sig	chr10_102919743
chr8	18380910	18380910	+	4.392E-07	2.3838E-06	-0.20408	hypo	sig	chr8_18380910
chr22	32473918	32473918	+	4.393E-07	2.3839E-06	-0.2324	hypo	sig	chr22_32473918
chr17	81403848	81403848	+	4.414E-07	2.395E-06	0.20363	hyper	sig	chr17_81403848
chr8	2729462	2729462	+	4.424E-07	2.4001E-06	-0.20504	hypo	sig	chr8_2729462
chr18	79378798	79378798	+	4.427E-07	2.4013E-06	0.206552	hyper	sig	chr18_79378798
chr1	1655398	1655398	+	4.436E-07	2.4062E-06	-0.22217	hypo	sig	chr1_1655398
chr1	3543416	3543416	+	4.439E-07	2.4077E-06	0.201765	hyper	sig	chr1_3543416
chr12	1.31E+08	131041913	+	4.442E-07	2.4092E-06	-0.20143	hypo	sig	chr12_131041913
chr10	1.33E+08	132790218	+	4.452E-07	2.4144E-06	-0.21876	hypo	sig	chr10_132790218
chr17	50469114	50469114	+	4.456E-07	2.4165E-06	0.210896	hyper	sig	chr17_50469114
chr19	2094000	2094000	+	4.461E-07	2.4187E-06	0.228052	hyper	sig	chr19_2094000
chr7	1.52E+08	151868417	+	4.464E-07	2.4207E-06	0.233569	hyper	sig	chr7_151868417
chr16	66845993	66845993	+	4.484E-07	2.4304E-06	-0.21829	hypo	sig	chr16_66845993
chr19	22626161	22626161	+	4.486E-07	2.4316E-06	-0.2027	hypo	sig	chr19_22626161
chr17	14295075	14295075	+	4.494E-07	2.4356E-06	0.208623	hyper	sig	chr17_14295075
chr12	1.02E+08	101642615	+	4.507E-07	2.4422E-06	0.200418	hyper	sig	chr12_101642615
chr6	33081036	33081036	+	4.519E-07	2.4483E-06	0.224261	hyper	sig	chr6_33081036
chr16	691392	691392	+	4.528E-07	2.4531E-06	-0.22899	hypo	sig	chr16_691392
chr11	1220281	1220281	+	4.53E-07	2.4543E-06	-0.20055	hypo	sig	chr11_1220281
chr16	88118319	88118319	+	4.531E-07	2.4545E-06	-0.21918	hypo	sig	chr16_88118319
chr19	4916549	4916549	+	4.531E-07	2.4549E-06	-0.22121	hypo	sig	chr19_4916549
chr17	48541607	48541607	+	4.535E-07	2.4568E-06	0.277214	hyper	sig	chr17_48541607
chr7	31516868	31516868	+	4.537E-07	2.4577E-06	-0.23759	hypo	sig	chr7_31516868
chr16	90044319	90044319	+	4.538E-07	2.4584E-06	-0.22208	hypo	sig	chr16_90044319
chr3	75395951	75395951	+	4.541E-07	2.4601E-06	0.245449	hyper	sig	chr3_75395951
chr10	8037162	8037162	+	4.543E-07	2.4609E-06	0.26841	hyper	sig	chr10_8037162
chr22	50178735	50178735	+	4.555E-07	2.467E-06	0.207828	hyper	sig	chr22_50178735
chr1	6455822	6455822	+	4.564E-07	2.4716E-06	0.215184	hyper	sig	chr1_6455822
chr7	4822698	4822698	+	4.566E-07	2.4729E-06	-0.21379	hypo	sig	chr7_4822698
chr19	1133021	1133021	+	4.569E-07	2.4746E-06	-0.20878	hypo	sig	chr19_1133021
chr6	10390099	10390099	+	4.579E-07	2.4796E-06	0.268421	hyper	sig	chr6_10390099
chr17	48734056	48734056	+	4.583E-07	2.4816E-06	0.22317	hyper	sig	chr17_48734056
chr5	1.41E+08	141352411	+	4.588E-07	2.4841E-06	0.212815	hyper	sig	chr5_141352411
chr7	1.58E+08	157667733	+	4.601E-07	2.4909E-06	-0.20339	hypo	sig	chr7_157667733
chr7	4715707	4715707	+	4.603E-07	2.4918E-06	0.235585	hyper	sig	chr7_4715707
chr11	655375	655375	+	4.606E-07	2.4936E-06	-0.25296	hypo	sig	chr11_655375
chr1	1.15E+08	115338827	+	4.612E-07	2.4966E-06	-0.24709	hypo	sig	chr1_115338827
chr19	48462264	48462264	+	4.616E-07	2.4985E-06	0.215111	hyper	sig	chr19_48462264
chr17	78257000	78257000	+	4.62E-07	2.5004E-06	-0.20502	hypo	sig	chr17_78257000
chr1	3111882	3111882	+	4.624E-07	2.5025E-06	0.208451	hyper	sig	chr1_3111882
chr16	89048400	89048400	+	4.625E-07	2.503E-06	0.214655	hyper	sig	chr16_89048400
chr17	82388234	82388234	+	4.635E-07	2.5084E-06	-0.21959	hypo	sig	chr17_82388234
chr18	76350796	76350796	+	4.647E-07	2.5146E-06	-0.20939	hypo	sig	chr18_76350796
chr7	55570125	55570125	+	4.656E-07	2.5193E-06	-0.20361	hypo	sig	chr7_55570125
chr4	67285656	67285656	+	4.67E-07	2.526E-06	-0.20265	hypo	sig	chr4_67285656
chr22	43431843	43431843	+	4.672E-07	2.5273E-06	-0.22496	hypo	sig	chr22_43431843
chr7	1668990	1668990	+	4.672E-07	2.5274E-06	-0.20821	hypo	sig	chr7_1668990
chr3	1.47E+08	147398222	+	4.679E-07	2.5308E-06	0.212089	hyper	sig	chr3_147398222
chr6	1.68E+08	168035649	+	4.679E-07	2.5308E-06	-0.20945	hypo	sig	chr6_168035649

chr10	1.33E+08	133165853	+	4.682E-07	2.5321E-06	-0.21535	hypo	sig	chr10_133165853
chr12	34336042	34336042	+	4.685E-07	2.5335E-06	0.245	hyper	sig	chr12_34336042
chr19	3097733	3097733	+	4.686E-07	2.5343E-06	0.20624	hyper	sig	chr19_3097733
chr11	1305735	1305735	+	4.703E-07	2.5431E-06	-0.27868	hypo	sig	chr11_1305735
chr12	80400659	80400659	+	4.707E-07	2.5452E-06	0.200099	hyper	sig	chr12_80400659
chr8	1.43E+08	143187166	+	4.708E-07	2.5453E-06	-0.21374	hypo	sig	chr8_143187166
chr4	48484758	48484758	+	4.711E-07	2.5472E-06	0.203081	hyper	sig	chr4_48484758
chr13	1.14E+08	114009020	+	4.719E-07	2.5511E-06	0.207437	hyper	sig	chr13_114009020
chr19	19637701	19637701	+	4.728E-07	2.5559E-06	0.258912	hyper	sig	chr19_19637701
chr9	97575200	97575200	+	4.733E-07	2.5585E-06	-0.21264	hypo	sig	chr9_97575200
chr9	94332764	94332764	+	4.741E-07	2.5626E-06	0.240977	hyper	sig	chr9_94332764
chr8	1476468	1476468	+	4.747E-07	2.5659E-06	-0.20222	hypo	sig	chr8_1476468
chr8	23705991	23705991	+	4.775E-07	2.58E-06	0.241607	hyper	sig	chr8_23705991
chr2	85765637	85765637	+	4.779E-07	2.5821E-06	-0.21082	hypo	sig	chr2_85765637
chr22	43171459	43171459	+	4.782E-07	2.5835E-06	0.220735	hyper	sig	chr22_43171459
chr20	63394050	63394050	+	4.788E-07	2.5868E-06	0.260425	hyper	sig	chr20_63394050
chr12	1.31E+08	130658067	+	4.79E-07	2.5877E-06	0.222392	hyper	sig	chr12_130658067
chr8	20249922	20249922	+	4.796E-07	2.591E-06	-0.22016	hypo	sig	chr8_20249922
chr7	95773447	95773447	+	4.804E-07	2.5948E-06	0.235461	hyper	sig	chr7_95773447
chr7	1.58E+08	158280617	+	4.815E-07	2.6006E-06	-0.21197	hypo	sig	chr7_158280617
chr2	44768813	44768813	+	4.82E-07	2.603E-06	0.24016	hyper	sig	chr2_44768813
chr19	8698353	8698353	+	4.822E-07	2.6041E-06	0.210445	hyper	sig	chr19_8698353
chr5	1.41E+08	141193899	+	4.848E-07	2.6175E-06	0.240465	hyper	sig	chr5_141193899
chr10	1.34E+08	133622989	+	4.859E-07	2.6231E-06	0.206286	hyper	sig	chr10_133622989
chr1	2340306	2340306	+	4.883E-07	2.6354E-06	-0.20873	hypo	sig	chr1_2340306
chr18	79554099	79554099	+	4.883E-07	2.6355E-06	-0.20959	hypo	sig	chr18_79554099
chr2	3594958	3594958	+	4.883E-07	2.6355E-06	0.207019	hyper	sig	chr2_3594958
chr19	28731306	28731306	+	4.883E-07	2.6355E-06	-0.23263	hypo	sig	chr19_28731306
chr1	1.52E+08	151613296	+	4.889E-07	2.6384E-06	0.204584	hyper	sig	chr1_151613296
chr16	86931883	86931883	+	4.891E-07	2.6393E-06	0.220941	hyper	sig	chr16_86931883
chr17	76944934	76944934	+	4.893E-07	2.6403E-06	-0.20131	hypo	sig	chr17_76944934
chr11	70141322	70141322	+	4.901E-07	2.6447E-06	0.200143	hyper	sig	chr11_70141322
chr12	24902685	24902685	+	4.906E-07	2.6471E-06	0.208936	hyper	sig	chr12_24902685
chr5	1.35E+08	135027619	+	4.907E-07	2.6477E-06	0.235897	hyper	sig	chr5_135027619
chr2	2.42E+08	241552903	+	4.91E-07	2.6492E-06	-0.20482	hypo	sig	chr2_241552903
chr2	17880150	17880150	+	4.915E-07	2.652E-06	-0.22795	hypo	sig	chr2_17880150
chr1	16227935	16227935	+	4.926E-07	2.6571E-06	0.212866	hyper	sig	chr1_16227935
chr11	44930033	44930033	+	4.936E-07	2.6625E-06	-0.20993	hypo	sig	chr11_44930033
chr20	62304517	62304517	+	4.94E-07	2.6645E-06	-0.20924	hypo	sig	chr20_62304517
chr7	92179567	92179567	+	4.972E-07	2.6807E-06	0.229474	hyper	sig	chr7_92179567
chr19	58045469	58045469	+	4.979E-07	2.6845E-06	-0.20711	hypo	sig	chr19_58045469
chr7	44756297	44756297	+	4.987E-07	2.6882E-06	0.216671	hyper	sig	chr7_44756297
chr6	1.7E+08	170182200	+	4.995E-07	2.6926E-06	-0.21027	hypo	sig	chr6_170182200
chr16	79589701	79589701	+	4.998E-07	2.694E-06	0.204889	hyper	sig	chr16_79589701
chr16	31224297	31224297	+	5.012E-07	2.7013E-06	0.205066	hyper	sig	chr16_31224297
chr2	1.8E+08	179862027	+	5.029E-07	2.7097E-06	0.207257	hyper	sig	chr2_179862027
chr19	1923270	1923270	+	5.031E-07	2.7107E-06	0.219226	hyper	sig	chr19_1923270
chr15	74175206	74175206	+	5.031E-07	2.711E-06	-0.20252	hypo	sig	chr15_74175206
chr7	1.58E+08	157544358	+	5.041E-07	2.7158E-06	-0.25478	hypo	sig	chr7_157544358
chr7	50382482	50382482	+	5.046E-07	2.7187E-06	-0.21815	hypo	sig	chr7_50382482
chr12	53993746	53993746	+	5.047E-07	2.7191E-06	0.254807	hyper	sig	chr12_53993746
chr1	9326724	9326724	+	5.05E-07	2.7202E-06	0.226367	hyper	sig	chr1_9326724
chr20	25584869	25584869	+	5.05E-07	2.7202E-06	0.228497	hyper	sig	chr20_25584869
chr2	7089850	7089850	+	5.05E-07	2.7204E-06	-0.26142	hypo	sig	chr2_7089850
chr13	1.14E+08	113981590	+	5.06E-07	2.7256E-06	-0.25332	hypo	sig	chr13_113981590
chr16	49465123	49465123	+	5.077E-07	2.7342E-06	0.224556	hyper	sig	chr16_49465123

chr15	73363764	73363764	+	5.079E-07	2.7353E-06	-0.22677	hypo	sig	chr15_73363764
chr2	1.73E+08	172743268	+	5.081E-07	2.7359E-06	-0.22596	hypo	sig	chr2_172743268
chr16	3099136	3099136	+	5.089E-07	2.7403E-06	0.236881	hyper	sig	chr16_3099136
chr14	60655609	60655609	+	5.096E-07	2.744E-06	0.233422	hyper	sig	chr14_60655609
chr2	721053	721053	+	5.104E-07	2.748E-06	-0.22039	hypo	sig	chr2_721053
chr13	1.14E+08	113981576	+	5.122E-07	2.7572E-06	-0.23689	hypo	sig	chr13_113981576
chr17	77591366	77591366	+	5.138E-07	2.7655E-06	-0.20147	hypo	sig	chr17_77591366
chr14	64542004	64542004	+	5.15E-07	2.7716E-06	0.203451	hyper	sig	chr14_64542004
chr6	1.1E+08	109983926	+	5.164E-07	2.7788E-06	-0.20036	hypo	sig	chr6_109983926
chr9	1.35E+08	135179393	+	5.166E-07	2.7798E-06	-0.20405	hypo	sig	chr9_135179393
chr11	45653096	45653096	+	5.166E-07	2.7799E-06	-0.24046	hypo	sig	chr11_45653096
chr18	31042342	31042342	+	5.178E-07	2.7856E-06	0.205762	hyper	sig	chr18_31042342
chr14	99792910	99792910	+	5.186E-07	2.7898E-06	0.219733	hyper	sig	chr14_99792910
chr12	52014827	52014827	+	5.188E-07	2.791E-06	0.260182	hyper	sig	chr12_52014827
chr2	1.05E+08	104857981	+	5.193E-07	2.7937E-06	0.205235	hyper	sig	chr2_104857981
chr10	95231166	95231166	+	5.195E-07	2.7943E-06	0.206815	hyper	sig	chr10_95231166
chr13	1.14E+08	113981562	+	5.198E-07	2.7961E-06	-0.24654	hypo	sig	chr13_113981562
chr7	1.42E+08	141550851	+	5.201E-07	2.7974E-06	0.248013	hyper	sig	chr7_141550851
chr7	98178508	98178508	+	5.205E-07	2.7997E-06	-0.2044	hypo	sig	chr7_98178508
chr20	62978170	62978170	+	5.21E-07	2.8025E-06	-0.20585	hypo	sig	chr20_62978170
chr16	67667438	67667438	+	5.216E-07	2.8052E-06	0.206295	hyper	sig	chr16_67667438
chr6	1.69E+08	169250737	+	5.216E-07	2.8054E-06	-0.2214	hypo	sig	chr6_169250737
chr6	5995501	5995501	+	5.223E-07	2.809E-06	0.205559	hyper	sig	chr6_5995501
chr20	62352797	62352797	+	5.229E-07	2.8117E-06	0.243014	hyper	sig	chr20_62352797
chr7	175788	175788	+	5.243E-07	2.8193E-06	-0.20468	hypo	sig	chr7_175788
chr5	602129	602129	+	5.249E-07	2.822E-06	-0.2414	hypo	sig	chr5_602129
chr4	1.74E+08	173527372	+	5.257E-07	2.826E-06	0.204514	hyper	sig	chr4_173527372
chr7	1.01E+08	100868152	+	5.276E-07	2.836E-06	0.203026	hyper	sig	chr7_100868152
chr2	1.63E+08	163348242	+	5.291E-07	2.8436E-06	0.209333	hyper	sig	chr2_163348242
chr14	56812601	56812601	+	5.296E-07	2.8462E-06	0.256816	hyper	sig	chr14_56812601
chr3	36945396	36945396	+	5.314E-07	2.8553E-06	0.207883	hyper	sig	chr3_36945396
chr16	71853574	71853574	+	5.317E-07	2.8569E-06	-0.20244	hypo	sig	chr16_71853574
chr14	38210695	38210695	+	5.32E-07	2.8581E-06	0.213235	hyper	sig	chr14_38210695
chr17	81924964	81924964	+	5.329E-07	2.8628E-06	-0.21262	hypo	sig	chr17_81924964
chr2	1.05E+08	104868258	+	5.331E-07	2.8639E-06	0.212734	hyper	sig	chr2_104868258
chr2	86809797	86809797	+	5.35E-07	2.8735E-06	0.23803	hyper	sig	chr2_86809797
chr17	82449552	82449552	+	5.354E-07	2.8759E-06	-0.20286	hypo	sig	chr17_82449552
chr2	85134925	85134925	+	5.359E-07	2.878E-06	0.209091	hyper	sig	chr2_85134925
chr16	34013499	34013499	+	5.385E-07	2.8916E-06	-0.22809	hypo	sig	chr16_34013499
chr21	46661720	46661720	+	5.402E-07	2.9E-06	0.200842	hyper	sig	chr21_46661720
chr12	38100052	38100052	+	5.403E-07	2.9007E-06	-0.2138	hypo	sig	chr12_38100052
chr18	6929745	6929745	+	5.41E-07	2.9044E-06	-0.20604	hypo	sig	chr18_6929745
chr3	8990859	8990859	+	5.42E-07	2.9094E-06	-0.2046	hypo	sig	chr3_8990859
chr12	1865038	1865038	+	5.427E-07	2.9132E-06	0.201264	hyper	sig	chr12_1865038
chr11	1.29E+08	128909760	+	5.439E-07	2.9191E-06	-0.22728	hypo	sig	chr11_128909760
chr6	42744786	42744786	+	5.44E-07	2.9194E-06	0.2463	hyper	sig	chr6_42744786
chr2	1.21E+08	120868263	+	5.441E-07	2.9202E-06	0.229283	hyper	sig	chr2_120868263
chr1	1.78E+08	178487139	+	5.446E-07	2.9225E-06	0.203812	hyper	sig	chr1_178487139
chr17	43938530	43938530	+	5.446E-07	2.9228E-06	-0.2025	hypo	sig	chr17_43938530
chr7	2114321	2114321	+	5.449E-07	2.9243E-06	-0.2256	hypo	sig	chr7_2114321
chr11	71527336	71527336	+	5.455E-07	2.9269E-06	-0.20215	hypo	sig	chr11_71527336
chr9	1.37E+08	136663539	+	5.456E-07	2.9278E-06	-0.25728	hypo	sig	chr9_136663539
chr16	4605476	4605476	+	5.458E-07	2.9284E-06	-0.2221	hypo	sig	chr16_4605476
chr16	88430911	88430911	+	5.46E-07	2.9297E-06	0.204018	hyper	sig	chr16_88430911
chr10	1.14E+08	114401527	+	5.46E-07	2.9297E-06	0.210797	hyper	sig	chr10_114401527
chr11	65642306	65642306	+	5.471E-07	2.9353E-06	0.275892	hyper	sig	chr11_65642306

chr17	81333041	81333041	+	5.48E-07	2.9399E-06	-0.20831	hypo	sig	chr17_81333041
chr7	1E+08	100488657	+	5.482E-07	2.9406E-06	-0.23889	hypo	sig	chr7_100488657
chr17	57875166	57875166	+	5.487E-07	2.9433E-06	0.237547	hyper	sig	chr17_57875166
chr19	38869673	38869673	+	5.493E-07	2.9463E-06	0.214927	hyper	sig	chr19_38869673
chr3	1.84E+08	184168901	+	5.516E-07	2.9582E-06	0.206188	hyper	sig	chr3_184168901
chr10	93066580	93066580	+	5.528E-07	2.9641E-06	0.215053	hyper	sig	chr10_93066580
chr11	70661694	70661694	+	5.53E-07	2.9652E-06	0.211756	hyper	sig	chr11_70661694
chr8	19602504	19602504	+	5.533E-07	2.9668E-06	0.205065	hyper	sig	chr8_19602504
chr5	1.41E+08	141372172	+	5.548E-07	2.974E-06	0.209757	hyper	sig	chr5_141372172
chr19	56642773	56642773	+	5.557E-07	2.9787E-06	0.224164	hyper	sig	chr19_56642773
chr9	1.36E+08	136335306	+	5.568E-07	2.9844E-06	-0.225	hypo	sig	chr9_136335306
chr15	29113813	29113813	+	5.573E-07	2.9871E-06	-0.21767	hypo	sig	chr15_29113813
chr22	24607822	24607822	+	5.586E-07	2.9938E-06	-0.21001	hypo	sig	chr22_24607822
chr7	1.55E+08	155375076	+	5.587E-07	2.9939E-06	0.204852	hyper	sig	chr7_155375076
chr16	1962689	1962689	+	5.595E-07	2.9979E-06	-0.21028	hypo	sig	chr16_1962689
chr16	31143023	31143023	+	5.599E-07	3.0003E-06	0.20981	hyper	sig	chr16_31143023
chr19	48728916	48728916	+	5.612E-07	3.0068E-06	0.212167	hyper	sig	chr19_48728916
chr3	1.82E+08	181724360	+	5.633E-07	3.0177E-06	0.216579	hyper	sig	chr3_181724360
chr11	75428759	75428759	+	5.637E-07	3.0196E-06	0.22548	hyper	sig	chr11_75428759
chr12	54010539	54010539	+	5.638E-07	3.0202E-06	0.206657	hyper	sig	chr12_54010539
chr1	5749508	5749508	+	5.641E-07	3.0216E-06	-0.23135	hypo	sig	chr1_5749508
chr16	87217022	87217022	+	5.642E-07	3.0223E-06	-0.21969	hypo	sig	chr16_87217022
chr19	5914587	5914587	+	5.643E-07	3.0226E-06	0.228894	hyper	sig	chr19_5914587
chr9	95041821	95041821	+	5.644E-07	3.023E-06	-0.25848	hypo	sig	chr9_95041821
chr6	1.6E+08	159820112	+	5.647E-07	3.0246E-06	-0.20474	hypo	sig	chr6_159820112
chr19	19515615	19515615	+	5.656E-07	3.0293E-06	-0.21409	hypo	sig	chr19_19515615
chr7	4172825	4172825	+	5.687E-07	3.0452E-06	-0.21923	hypo	sig	chr7_4172825
chr21	44933658	44933658	+	5.693E-07	3.0482E-06	-0.22462	hypo	sig	chr21_44933658
chr19	39891952	39891952	+	5.704E-07	3.0537E-06	0.202335	hyper	sig	chr19_39891952
chr5	1.79E+08	178560569	+	5.721E-07	3.0622E-06	-0.24771	hypo	sig	chr5_178560569
chr18	904850	904850	+	5.734E-07	3.069E-06	0.217666	hyper	sig	chr18_904850
chr12	1821198	1821198	+	5.736E-07	3.0701E-06	-0.21229	hypo	sig	chr12_1821198
chr18	56639234	56639234	+	5.743E-07	3.0735E-06	-0.20974	hypo	sig	chr18_56639234
chr1	1204161	1204161	+	5.745E-07	3.0745E-06	-0.21692	hypo	sig	chr1_1204161
chr20	63453414	63453414	+	5.751E-07	3.0777E-06	-0.20177	hypo	sig	chr20_63453414
chr17	37512818	37512818	+	5.759E-07	3.0817E-06	0.206758	hyper	sig	chr17_37512818
chr16	88899507	88899507	+	5.76E-07	3.0821E-06	-0.27163	hypo	sig	chr16_88899507
chr8	23344031	23344031	+	5.762E-07	3.0834E-06	0.221709	hyper	sig	chr8_23344031
chr18	21243375	21243375	+	5.763E-07	3.0838E-06	0.227425	hyper	sig	chr18_21243375
chr1	1.08E+08	107964127	+	5.764E-07	3.0841E-06	0.211835	hyper	sig	chr1_107964127
chr3	50338340	50338340	+	5.773E-07	3.0888E-06	-0.25635	hypo	sig	chr3_50338340
chr2	1.05E+08	104857978	+	5.79E-07	3.0973E-06	0.220881	hyper	sig	chr2_104857978
chr17	77320289	77320289	+	5.792E-07	3.0981E-06	0.219916	hyper	sig	chr17_77320289
chr3	13637363	13637363	+	5.793E-07	3.0987E-06	-0.2485	hypo	sig	chr3_13637363
chr1	3162641	3162641	+	5.793E-07	3.0989E-06	0.214748	hyper	sig	chr1_3162641
chr7	99598327	99598327	+	5.794E-07	3.0993E-06	0.221913	hyper	sig	chr7_99598327
chr1	37761720	37761720	+	5.797E-07	3.1009E-06	0.21113	hyper	sig	chr1_37761720
chr7	1.57E+08	157006157	+	5.799E-07	3.1016E-06	0.239048	hyper	sig	chr7_157006157
chr10	1.33E+08	132785065	+	5.8E-07	3.1025E-06	0.268215	hyper	sig	chr10_132785065
chr2	44801049	44801049	+	5.809E-07	3.1068E-06	0.25034	hyper	sig	chr2_44801049
chr12	1.32E+08	132407665	+	5.818E-07	3.1116E-06	-0.22564	hypo	sig	chr12_132407665
chr22	44729406	44729406	+	5.824E-07	3.1146E-06	0.200602	hyper	sig	chr22_44729406
chr9	1.22E+08	121785375	+	5.833E-07	3.1191E-06	0.204494	hyper	sig	chr9_121785375
chr3	64444023	64444023	+	5.833E-07	3.1192E-06	0.206695	hyper	sig	chr3_64444023
chr2	42811375	42811375	+	5.85E-07	3.1277E-06	0.201136	hyper	sig	chr2_42811375
chr22	28885264	28885264	+	5.851E-07	3.1284E-06	-0.23228	hypo	sig	chr22_28885264

chr14	75980146	75980146	+	5.871E-07	3.1382E-06	0.212531	hyper	sig	chr14_75980146
chr5	1879440	1879440	+	5.871E-07	3.1383E-06	0.237109	hyper	sig	chr5_1879440
chr4	1415173	1415173	+	5.883E-07	3.1445E-06	0.25737	hyper	sig	chr4_1415173
chr18	79576082	79576082	+	5.888E-07	3.147E-06	0.206042	hyper	sig	chr18_79576082
chr19	55118894	55118894	+	5.889E-07	3.1473E-06	0.217306	hyper	sig	chr19_55118894
chr16	67944482	67944482	+	5.9E-07	3.153E-06	0.201098	hyper	sig	chr16_67944482
chr9	98790994	98790994	+	5.902E-07	3.1541E-06	-0.20858	hypo	sig	chr9_98790994
chr19	51418558	51418558	+	5.903E-07	3.1544E-06	-0.2056	hypo	sig	chr19_51418558
chr1	1.83E+08	182952622	+	5.911E-07	3.1587E-06	0.225579	hyper	sig	chr1_182952622
chr12	1.02E+08	101642603	+	5.914E-07	3.1599E-06	0.208158	hyper	sig	chr12_101642603
chr16	2469987	2469987	+	5.919E-07	3.1624E-06	-0.22034	hypo	sig	chr16_2469987
chr7	1.51E+08	150820314	+	5.92E-07	3.1629E-06	0.230754	hyper	sig	chr7_150820314
chr5	71446679	71446679	+	5.929E-07	3.1676E-06	-0.22694	hypo	sig	chr5_71446679
chr2	66445331	66445331	+	5.945E-07	3.1756E-06	0.202381	hyper	sig	chr2_66445331
chr5	1.69E+08	169304855	+	5.948E-07	3.1769E-06	-0.22402	hypo	sig	chr5_169304855
chr16	49465364	49465364	+	5.955E-07	3.1803E-06	0.218902	hyper	sig	chr16_49465364
chr14	1.01E+08	100827091	+	5.959E-07	3.1823E-06	0.234155	hyper	sig	chr14_100827091
chr2	11748627	11748627	+	5.96E-07	3.1831E-06	-0.21704	hypo	sig	chr2_11748627
chr16	83971875	83971875	+	5.964E-07	3.185E-06	-0.20632	hypo	sig	chr16_83971875
chr1	2609455	2609455	+	5.975E-07	3.1906E-06	-0.22183	hypo	sig	chr1_2609455
chr5	33937705	33937705	+	5.981E-07	3.1934E-06	0.230239	hyper	sig	chr5_33937705
chr1	2020072	2020072	+	5.992E-07	3.1991E-06	0.202577	hyper	sig	chr1_2020072
chr1	2.28E+08	227924274	+	6E-07	3.2031E-06	-0.20358	hypo	sig	chr1_227924274
chr22	30266011	30266011	+	6.009E-07	3.2082E-06	-0.20356	hypo	sig	chr22_30266011
chr14	32935364	32935364	+	6.012E-07	3.2093E-06	0.200024	hyper	sig	chr14_32935364
chr16	86741090	86741090	+	6.014E-07	3.2106E-06	-0.2043	hypo	sig	chr16_86741090
chr7	99598762	99598762	+	6.017E-07	3.2117E-06	-0.247	hypo	sig	chr7_99598762
chr3	1.96E+08	195637123	+	6.023E-07	3.2148E-06	-0.22049	hypo	sig	chr3_195637123
chr9	1.34E+08	134440517	+	6.046E-07	3.2269E-06	-0.22868	hypo	sig	chr9_134440517
chr15	51093711	51093711	+	6.05E-07	3.2284E-06	0.210361	hyper	sig	chr15_51093711
chr11	85682649	85682649	+	6.055E-07	3.2314E-06	0.219498	hyper	sig	chr11_85682649
chr7	57257299	57257299	+	6.072E-07	3.2399E-06	-0.21712	hypo	sig	chr7_57257299
chr1	6300520	6300520	+	6.073E-07	3.2402E-06	-0.26918	hypo	sig	chr1_6300520
chr5	1.35E+08	135031661	+	6.076E-07	3.2418E-06	0.212548	hyper	sig	chr5_135031661
chr11	61534782	61534782	+	6.077E-07	3.2425E-06	-0.20848	hypo	sig	chr11_61534782
chr10	1212022	1212022	+	6.087E-07	3.2471E-06	-0.22501	hypo	sig	chr10_1212022
chr11	1344622	1344622	+	6.09E-07	3.2485E-06	-0.21428	hypo	sig	chr11_1344622
chr16	2676095	2676095	+	6.096E-07	3.2516E-06	-0.21581	hypo	sig	chr16_2676095
chr3	9136606	9136606	+	6.099E-07	3.2531E-06	0.205685	hyper	sig	chr3_9136606
chr12	1.15E+08	114686882	+	6.11E-07	3.2589E-06	0.219594	hyper	sig	chr12_114686882
chr19	12195741	12195741	+	6.117E-07	3.2622E-06	0.204122	hyper	sig	chr19_12195741
chr4	1202016	1202016	+	6.135E-07	3.2716E-06	-0.21481	hypo	sig	chr4_1202016
chr17	82931886	82931886	+	6.154E-07	3.2812E-06	0.206683	hyper	sig	chr17_82931886
chr8	1.42E+08	141516302	+	6.157E-07	3.2824E-06	-0.25688	hypo	sig	chr8_141516302
chr22	42338557	42338557	+	6.159E-07	3.2837E-06	-0.21025	hypo	sig	chr22_42338557
chr15	24848337	24848337	+	6.171E-07	3.2898E-06	0.213342	hyper	sig	chr15_24848337
chr19	52451373	52451373	+	6.172E-07	3.2903E-06	0.223264	hyper	sig	chr19_52451373
chr15	77987886	77987886	+	6.174E-07	3.2912E-06	-0.22085	hypo	sig	chr15_77987886
chr2	25822499	25822499	+	6.19E-07	3.2995E-06	0.201516	hyper	sig	chr2_25822499
chr8	1.01E+08	100650400	+	6.203E-07	3.3061E-06	-0.21675	hypo	sig	chr8_100650400
chr19	4916625	4916625	+	6.212E-07	3.3104E-06	-0.247	hypo	sig	chr19_4916625
chr3	15118559	15118559	+	6.213E-07	3.3108E-06	-0.21138	hypo	sig	chr3_15118559
chr7	1.53E+08	152924865	+	6.214E-07	3.3115E-06	0.246176	hyper	sig	chr7_152924865
chr13	1.11E+08	111320796	+	6.22E-07	3.3143E-06	-0.20986	hypo	sig	chr13_111320796
chr16	3190109	3190109	+	6.231E-07	3.3202E-06	0.234804	hyper	sig	chr16_3190109
chr16	28059133	28059133	+	6.232E-07	3.3206E-06	-0.21328	hypo	sig	chr16_28059133

chr12	53987094	53987094	+	6.233E-07	3.321E-06	0.29938	hyper	sig	chr12_53987094
chr2	1.05E+08	105237109	+	6.237E-07	3.3231E-06	0.20995	hyper	sig	chr2_105237109
chr18	37567575	37567575	+	6.24E-07	3.3246E-06	0.212105	hyper	sig	chr18_37567575
chr9	1.37E+08	136977446	+	6.262E-07	3.3357E-06	0.210278	hyper	sig	chr9_136977446
chr6	73157297	73157297	+	6.288E-07	3.3483E-06	-0.20762	hypo	sig	chr6_73157297
chr15	20354082	20354082	+	6.288E-07	3.3486E-06	-0.22092	hypo	sig	chr15_20354082
chr4	99650705	99650705	+	6.289E-07	3.349E-06	-0.25904	hypo	sig	chr4_99650705
chr6	1.32E+08	132402854	+	6.295E-07	3.3518E-06	-0.20255	hypo	sig	chr6_132402854
chr14	75979677	75979677	+	6.298E-07	3.3536E-06	0.215054	hyper	sig	chr14_75979677
chr2	43101324	43101324	+	6.321E-07	3.3654E-06	0.276725	hyper	sig	chr2_43101324
chr15	70420739	70420739	+	6.323E-07	3.3664E-06	0.204185	hyper	sig	chr15_70420739
chr11	1.11E+08	111284353	+	6.327E-07	3.3681E-06	-0.22646	hypo	sig	chr11_111284353
chr6	44222928	44222928	+	6.351E-07	3.3805E-06	0.279931	hyper	sig	chr6_44222928
chr8	1.44E+08	144375707	+	6.352E-07	3.3807E-06	0.207234	hyper	sig	chr8_144375707
chr5	1.81E+08	180740732	+	6.36E-07	3.3849E-06	-0.22359	hypo	sig	chr5_180740732
chr1	16532815	16532815	+	6.364E-07	3.3866E-06	0.204513	hyper	sig	chr1_16532815
chr2	2.08E+08	208406618	+	6.369E-07	3.3894E-06	0.230792	hyper	sig	chr2_208406618
chr19	1155727	1155727	+	6.388E-07	3.3986E-06	-0.20504	hypo	sig	chr19_1155727
chr3	75668097	75668097	+	6.392E-07	3.4006E-06	0.203265	hyper	sig	chr3_75668097
chr7	1.58E+08	157854615	+	6.392E-07	3.4008E-06	-0.23674	hypo	sig	chr7_157854615
chr19	38869687	38869687	+	6.396E-07	3.4029E-06	0.207249	hyper	sig	chr19_38869687
chr13	1.11E+08	110723660	+	6.397E-07	3.4033E-06	0.202726	hyper	sig	chr13_110723660
chr11	90972327	90972327	+	6.401E-07	3.4051E-06	-0.23624	hypo	sig	chr11_90972327
chr19	56538270	56538270	+	6.417E-07	3.4134E-06	0.236116	hyper	sig	chr19_56538270
chr5	2643111	2643111	+	6.417E-07	3.4135E-06	0.20774	hyper	sig	chr5_2643111
chr8	21909732	21909732	+	6.433E-07	3.4213E-06	-0.21224	hypo	sig	chr8_21909732
chr8	1.44E+08	143738572	+	6.44E-07	3.4246E-06	-0.20202	hypo	sig	chr8_143738572
chr19	35142521	35142521	+	6.464E-07	3.4365E-06	-0.21173	hypo	sig	chr19_35142521
chr9	1.36E+08	135693931	+	6.471E-07	3.44E-06	-0.21122	hypo	sig	chr9_135693931
chr22	19030360	19030360	+	6.478E-07	3.444E-06	0.266906	hyper	sig	chr22_19030360
chr1	3182079	3182079	+	6.491E-07	3.4503E-06	0.225032	hyper	sig	chr1_3182079
chr15	99734092	99734092	+	6.502E-07	3.4558E-06	-0.21138	hypo	sig	chr15_99734092
chr17	39224409	39224409	+	6.524E-07	3.4664E-06	-0.24573	hypo	sig	chr17_39224409
chr1	1.53E+08	152795726	+	6.541E-07	3.4752E-06	-0.23568	hypo	sig	chr1_152795726
chr12	1.32E+08	132320384	+	6.583E-07	3.4961E-06	-0.21056	hypo	sig	chr12_132320384
chr7	1.02E+08	101936620	+	6.588E-07	3.4989E-06	0.209211	hyper	sig	chr7_101936620
chr1	2E+08	200305638	+	6.59E-07	3.4995E-06	-0.21317	hypo	sig	chr1_200305638
chr2	1.76E+08	176189496	+	6.59E-07	3.4995E-06	0.2067	hyper	sig	chr2_176189496
chr9	1.28E+08	128408988	+	6.59E-07	3.4997E-06	0.211917	hyper	sig	chr9_128408988
chr2	63054755	63054755	+	6.592E-07	3.5009E-06	0.216492	hyper	sig	chr2_63054755
chr7	1.28E+08	128206750	+	6.595E-07	3.5021E-06	-0.2008	hypo	sig	chr7_128206750
chr6	1.69E+08	168885936	+	6.608E-07	3.5088E-06	-0.20777	hypo	sig	chr6_168885936
chr5	1.41E+08	141400261	+	6.609E-07	3.5093E-06	0.235318	hyper	sig	chr5_141400261
chr13	1.01E+08	101452871	+	6.615E-07	3.5122E-06	-0.22781	hypo	sig	chr13_101452871
chr10	1.33E+08	133207147	+	6.647E-07	3.5283E-06	-0.22845	hypo	sig	chr10_133207147
chr1	2.25E+08	224618092	+	6.651E-07	3.5304E-06	0.200957	hyper	sig	chr1_224618092
chr8	48469749	48469749	+	6.66E-07	3.535E-06	-0.20022	hypo	sig	chr8_48469749
chr5	1.77E+08	176619161	+	6.66E-07	3.535E-06	0.203841	hyper	sig	chr5_176619161
chr2	2.39E+08	239349232	+	6.662E-07	3.536E-06	0.212324	hyper	sig	chr2_239349232
chr20	37521642	37521642	+	6.679E-07	3.5445E-06	0.232399	hyper	sig	chr20_37521642
chr17	82235909	82235909	+	6.68E-07	3.5452E-06	-0.21386	hypo	sig	chr17_82235909
chr2	1.76E+08	176071652	+	6.685E-07	3.5475E-06	0.210842	hyper	sig	chr2_176071652
chr7	1.02E+08	102258333	+	6.7E-07	3.5553E-06	-0.21429	hypo	sig	chr7_102258333
chr3	1.34E+08	134375212	+	6.701E-07	3.5556E-06	-0.21019	hypo	sig	chr3_134375212
chr11	392950	392950	+	6.722E-07	3.5666E-06	-0.20198	hypo	sig	chr11_392950
chr17	77288111	77288111	+	6.725E-07	3.568E-06	-0.2069	hypo	sig	chr17_77288111

chr5	1.29E+08	129459813	+	6.737E-07	3.5741E-06	0.238598	hyper	sig	chr5_129459813
chr17	74988858	74988858	+	6.74E-07	3.5759E-06	0.276421	hyper	sig	chr17_74988858
chr12	1.14E+08	114440251	+	6.742E-07	3.5764E-06	0.253697	hyper	sig	chr12_114440251
chr15	31441983	31441983	+	6.743E-07	3.577E-06	-0.21929	hypo	sig	chr15_31441983
chr20	21395817	21395817	+	6.749E-07	3.5798E-06	0.214548	hyper	sig	chr20_21395817
chr7	1.28E+08	128241316	+	6.75E-07	3.5805E-06	0.203027	hyper	sig	chr7_128241316
chr3	1.18E+08	117997305	+	6.754E-07	3.5824E-06	0.210002	hyper	sig	chr3_117997305
chr14	1.02E+08	101628193	+	6.758E-07	3.584E-06	-0.23848	hypo	sig	chr14_101628193
chr10	1.28E+08	127738582	+	6.762E-07	3.5863E-06	0.235445	hyper	sig	chr10_127738582
chr16	830331	830331	+	6.767E-07	3.5888E-06	-0.21018	hypo	sig	chr16_830331
chr7	1.29E+08	129144043	+	6.776E-07	3.5937E-06	0.202616	hyper	sig	chr7_129144043
chr19	49155166	49155166	+	6.797E-07	3.6041E-06	0.262395	hyper	sig	chr19_49155166
chr1	3164677	3164677	+	6.814E-07	3.6124E-06	0.224249	hyper	sig	chr1_3164677
chr20	63463525	63463525	+	6.823E-07	3.6172E-06	-0.23789	hypo	sig	chr20_63463525
chr17	50165886	50165886	+	6.824E-07	3.6178E-06	0.209992	hyper	sig	chr17_50165886
chr11	75428410	75428410	+	6.842E-07	3.6269E-06	0.200099	hyper	sig	chr11_75428410
chr7	5574324	5574324	+	6.851E-07	3.6313E-06	-0.20583	hypo	sig	chr7_5574324
chr2	1.21E+08	120581087	+	6.853E-07	3.6319E-06	-0.22817	hypo	sig	chr2_120581087
chr7	1254002	1254002	+	6.855E-07	3.633E-06	-0.21262	hypo	sig	chr7_1254002
chr13	35470779	35470779	+	6.862E-07	3.6366E-06	0.202337	hyper	sig	chr13_35470779
chr10	11895180	11895180	+	6.862E-07	3.6366E-06	-0.21369	hypo	sig	chr10_11895180
chr6	1.7E+08	170082074	+	6.88E-07	3.6457E-06	-0.23007	hypo	sig	chr6_170082074
chr11	1.3E+08	129574639	+	6.882E-07	3.6463E-06	-0.22845	hypo	sig	chr11_129574639
chr21	45383837	45383837	+	6.888E-07	3.6497E-06	-0.23449	hypo	sig	chr21_45383837
chr12	1.24E+08	123913211	+	6.888E-07	3.6497E-06	-0.21352	hypo	sig	chr12_123913211
chr10	1.19E+08	118596222	+	6.903E-07	3.6573E-06	0.209264	hyper	sig	chr10_118596222
chr10	1.33E+08	132994459	+	6.906E-07	3.6585E-06	0.23055	hyper	sig	chr10_132994459
chr11	46332545	46332545	+	6.909E-07	3.6602E-06	0.203445	hyper	sig	chr11_46332545
chr5	93573084	93573084	+	6.919E-07	3.665E-06	0.209287	hyper	sig	chr5_93573084
chr4	1.88E+08	187997777	+	6.928E-07	3.6696E-06	-0.22577	hypo	sig	chr4_187997777
chr16	57760852	57760852	+	6.928E-07	3.6697E-06	0.208102	hyper	sig	chr16_57760852
chr6	1.37E+08	137490003	+	6.972E-07	3.6916E-06	0.203734	hyper	sig	chr6_137490003
chr6	11179755	11179755	+	6.985E-07	3.6983E-06	-0.20178	hypo	sig	chr6_11179755
chr2	26344610	26344610	+	6.995E-07	3.7031E-06	-0.23718	hypo	sig	chr2_26344610
chr9	1.24E+08	124040750	+	7.009E-07	3.71E-06	0.209958	hyper	sig	chr9_124040750
chr13	18323324	18323324	+	7.034E-07	3.723E-06	-0.25582	hypo	sig	chr13_18323324
chr1	2923198	2923198	+	7.049E-07	3.7302E-06	-0.20344	hypo	sig	chr1_2923198
chr2	10912674	10912674	+	7.058E-07	3.7349E-06	0.259719	hyper	sig	chr2_10912674
chr9	1.24E+08	124015323	+	7.07E-07	3.7408E-06	0.205754	hyper	sig	chr9_124015323
chr14	1.03E+08	102545986	+	7.071E-07	3.7412E-06	0.204558	hyper	sig	chr14_102545986
chr7	1.55E+08	155451530	+	7.084E-07	3.7473E-06	0.211852	hyper	sig	chr7_155451530
chr16	700335	700335	+	7.095E-07	3.7531E-06	-0.22574	hypo	sig	chr16_700335
chr1	2.37E+08	236686757	+	7.107E-07	3.7587E-06	0.236559	hyper	sig	chr1_236686757
chr1	2.08E+08	207912085	+	7.125E-07	3.7681E-06	-0.20063	hypo	sig	chr1_207912085
chr1	2448311	2448311	+	7.128E-07	3.7694E-06	-0.23593	hypo	sig	chr1_2448311
chr6	1.53E+08	153131908	+	7.133E-07	3.7719E-06	0.21365	hyper	sig	chr6_153131908
chr8	66178097	66178097	+	7.133E-07	3.772E-06	0.208278	hyper	sig	chr8_66178097
chr16	88899697	88899697	+	7.149E-07	3.7797E-06	-0.22885	hypo	sig	chr16_88899697
chr5	1.41E+08	140877259	+	7.151E-07	3.7806E-06	0.231124	hyper	sig	chr5_140877259
chr16	72936516	72936516	+	7.16E-07	3.7852E-06	-0.22179	hypo	sig	chr16_72936516
chr11	764793	764793	+	7.175E-07	3.7926E-06	0.222814	hyper	sig	chr11_764793
chr4	1.11E+08	110618765	+	7.177E-07	3.7934E-06	0.218289	hyper	sig	chr4_110618765
chr2	1.84E+08	183546976	+	7.185E-07	3.7978E-06	-0.2248	hypo	sig	chr2_183546976
chr19	31353992	31353992	+	7.211E-07	3.8104E-06	-0.20745	hypo	sig	chr19_31353992
chr4	6689448	6689448	+	7.217E-07	3.8135E-06	-0.24742	hypo	sig	chr4_6689448
chr8	62701958	62701958	+	7.235E-07	3.8223E-06	0.203506	hyper	sig	chr8_62701958

chr4	7481888	7481888	+	7.238E-07	3.8238E-06	-0.20752	hypo	sig	chr4_7481888
chr17	79048371	79048371	+	7.244E-07	3.827E-06	-0.20665	hypo	sig	chr17_79048371
chr17	80196125	80196125	+	7.254E-07	3.8317E-06	0.200871	hyper	sig	chr17_80196125
chr14	60655462	60655462	+	7.265E-07	3.8374E-06	0.225996	hyper	sig	chr14_60655462
chr2	26558893	26558893	+	7.268E-07	3.8386E-06	0.235225	hyper	sig	chr2_26558893
chr17	44758520	44758520	+	7.271E-07	3.84E-06	0.217678	hyper	sig	chr17_44758520
chr14	23375644	23375644	+	7.28E-07	3.8446E-06	-0.20943	hypo	sig	chr14_23375644
chr16	70437056	70437056	+	7.281E-07	3.845E-06	0.210928	hyper	sig	chr16_70437056
chr17	38421384	38421384	+	7.3E-07	3.8544E-06	0.200338	hyper	sig	chr17_38421384
chr4	968353	968353	+	7.308E-07	3.8583E-06	0.221405	hyper	sig	chr4_968353
chr11	2121706	2121706	+	7.309E-07	3.8588E-06	-0.2373	hypo	sig	chr11_2121706
chr19	17808317	17808317	+	7.316E-07	3.8623E-06	0.20772	hyper	sig	chr19_17808317
chr12	1.18E+08	117967854	+	7.373E-07	3.8913E-06	0.220821	hyper	sig	chr12_117967854
chr11	2447149	2447149	+	7.383E-07	3.8961E-06	-0.20053	hypo	sig	chr11_2447149
chr20	57267103	57267103	+	7.384E-07	3.8963E-06	0.238513	hyper	sig	chr20_57267103
chr19	40513426	40513426	+	7.388E-07	3.8987E-06	0.211728	hyper	sig	chr19_40513426
chr9	37938604	37938604	+	7.392E-07	3.9008E-06	0.214147	hyper	sig	chr9_37938604
chr14	1.05E+08	104660348	+	7.4E-07	3.9047E-06	-0.22785	hypo	sig	chr14_104660348
chr11	64566775	64566775	+	7.423E-07	3.9161E-06	-0.20522	hypo	sig	chr11_64566775
chr12	34379274	34379274	+	7.437E-07	3.9234E-06	-0.21567	hypo	sig	chr12_34379274
chr15	74831166	74831166	+	7.439E-07	3.924E-06	0.205391	hyper	sig	chr15_74831166
chr6	44222922	44222922	+	7.447E-07	3.928E-06	0.29009	hyper	sig	chr6_44222922
chr1	86157076	86157076	+	7.464E-07	3.9366E-06	0.203343	hyper	sig	chr1_86157076
chr1	3037749	3037749	+	7.475E-07	3.9423E-06	-0.22619	hypo	sig	chr1_3037749
chr15	1.01E+08	100974007	+	7.479E-07	3.9442E-06	0.24298	hyper	sig	chr15_100974007
chr2	1.72E+08	172081942	+	7.496E-07	3.9529E-06	0.219193	hyper	sig	chr2_172081942
chr16	31569263	31569263	+	7.509E-07	3.9594E-06	0.221358	hyper	sig	chr16_31569263
chr5	1.41E+08	141390083	+	7.511E-07	3.96E-06	0.213715	hyper	sig	chr5_141390083
chr5	1.41E+08	140877266	+	7.514E-07	3.9618E-06	0.234961	hyper	sig	chr5_140877266
chr15	74128628	74128628	+	7.546E-07	3.9777E-06	0.219225	hyper	sig	chr15_74128628
chr7	1.3E+08	130492135	+	7.552E-07	3.9808E-06	0.230071	hyper	sig	chr7_130492135
chr1	18857484	18857484	+	7.557E-07	3.9834E-06	-0.22198	hypo	sig	chr1_18857484
chr19	55452665	55452665	+	7.563E-07	3.9862E-06	0.261366	hyper	sig	chr19_55452665
chr1	12540378	12540378	+	7.569E-07	3.9894E-06	0.221899	hyper	sig	chr1_12540378
chr5	1.35E+08	135038667	+	7.57E-07	3.9896E-06	0.20855	hyper	sig	chr5_135038667
chr3	28575187	28575187	+	7.571E-07	3.9902E-06	0.251225	hyper	sig	chr3_28575187
chr7	1.3E+08	130485970	+	7.607E-07	4.0081E-06	-0.20559	hypo	sig	chr7_130485970
chr20	37521687	37521687	+	7.607E-07	4.0081E-06	0.213234	hyper	sig	chr20_37521687
chr16	2959335	2959335	+	7.622E-07	4.0153E-06	-0.20024	hypo	sig	chr16_2959335
chr14	1.04E+08	104203408	+	7.63E-07	4.0194E-06	-0.23273	hypo	sig	chr14_104203408
chr5	2756302	2756302	+	7.634E-07	4.0212E-06	0.208236	hyper	sig	chr5_2756302
chr11	1.25E+08	125350620	+	7.66E-07	4.0345E-06	-0.20762	hypo	sig	chr11_125350620
chr17	83092380	83092380	+	7.664E-07	4.0364E-06	-0.23296	hypo	sig	chr17_83092380
chr12	53492458	53492458	+	7.696E-07	4.0527E-06	0.206195	hyper	sig	chr12_53492458
chr1	2.26E+08	226127223	+	7.715E-07	4.0618E-06	-0.21371	hypo	sig	chr1_226127223
chr12	48961657	48961657	+	7.715E-07	4.0621E-06	-0.21976	hypo	sig	chr12_48961657
chr7	1.02E+08	102300680	+	7.736E-07	4.0722E-06	0.235679	hyper	sig	chr7_102300680
chr5	3301528	3301528	+	7.743E-07	4.0759E-06	-0.20896	hypo	sig	chr5_3301528
chr16	1341995	1341995	+	7.755E-07	4.0818E-06	-0.25689	hypo	sig	chr16_1341995
chr7	1.51E+08	151173141	+	7.761E-07	4.0849E-06	-0.22101	hypo	sig	chr7_151173141
chr14	69881349	69881349	+	7.775E-07	4.0919E-06	0.232249	hyper	sig	chr14_69881349
chr7	546780	546780	+	7.783E-07	4.0957E-06	-0.27686	hypo	sig	chr7_546780
chr20	17614710	17614710	+	7.784E-07	4.0961E-06	0.212665	hyper	sig	chr20_17614710
chr22	42367903	42367903	+	7.786E-07	4.097E-06	-0.21702	hypo	sig	chr22_42367903
chr19	40349676	40349676	+	7.794E-07	4.1012E-06	-0.20443	hypo	sig	chr19_40349676
chr16	890147	890147	+	7.805E-07	4.1066E-06	-0.20927	hypo	sig	chr16_890147

chr1	8333822	8333822	+	7.856E-07	4.1318E-06	-0.24282	hypo	sig	chr1_8333822
chr16	28876509	28876509	+	7.891E-07	4.1493E-06	0.231789	hyper	sig	chr16_28876509
chr1	21591073	21591073	+	7.899E-07	4.1528E-06	-0.20062	hypo	sig	chr1_21591073
chr5	1.42E+08	141693286	+	7.906E-07	4.1565E-06	-0.23043	hypo	sig	chr5_141693286
chr7	27843035	27843035	+	7.916E-07	4.1612E-06	-0.21948	hypo	sig	chr7_27843035
chr7	1.29E+08	129189736	+	7.921E-07	4.1636E-06	0.265679	hyper	sig	chr7_129189736
chr19	38566952	38566952	+	7.932E-07	4.169E-06	-0.20657	hypo	sig	chr19_38566952
chr16	920826	920826	+	7.944E-07	4.1749E-06	0.225528	hyper	sig	chr16_920826
chr16	85142986	85142986	+	7.954E-07	4.1796E-06	-0.20721	hypo	sig	chr16_85142986
chr17	82331873	82331873	+	7.994E-07	4.1997E-06	-0.20393	hypo	sig	chr17_82331873
chr8	1.41E+08	141444406	+	8.016E-07	4.2108E-06	-0.20738	hypo	sig	chr8_141444406
chr7	27252076	27252076	+	8.059E-07	4.2318E-06	0.218348	hyper	sig	chr7_27252076
chr22	19168695	19168695	+	8.059E-07	4.2318E-06	-0.2325	hypo	sig	chr22_19168695
chr19	1086790	1086790	+	8.071E-07	4.2381E-06	0.239721	hyper	sig	chr19_1086790
chr1	1.52E+08	151839207	+	8.079E-07	4.242E-06	0.248647	hyper	sig	chr1_151839207
chr19	1732547	1732547	+	8.081E-07	4.243E-06	-0.29993	hypo	sig	chr19_1732547
chr21	41361567	41361567	+	8.104E-07	4.2546E-06	-0.20302	hypo	sig	chr21_41361567
chr16	29220896	29220896	+	8.11E-07	4.2574E-06	0.239704	hyper	sig	chr16_29220896
chr1	3484322	3484322	+	8.117E-07	4.2609E-06	-0.29431	hypo	sig	chr1_3484322
chr11	72570283	72570283	+	8.128E-07	4.2661E-06	-0.2007	hypo	sig	chr11_72570283
chr6	41239718	41239718	+	8.139E-07	4.2716E-06	0.227038	hyper	sig	chr6_41239718
chr9	83537439	83537439	+	8.157E-07	4.2807E-06	0.215498	hyper	sig	chr9_83537439
chr5	1.8E+08	179648677	+	8.171E-07	4.2875E-06	-0.23906	hypo	sig	chr5_179648677
chr16	30009555	30009555	+	8.182E-07	4.293E-06	-0.20506	hypo	sig	chr16_30009555
chr14	60655420	60655420	+	8.188E-07	4.2957E-06	0.226021	hyper	sig	chr14_60655420
chr19	53329053	53329053	+	8.189E-07	4.2961E-06	0.217858	hyper	sig	chr19_53329053
chr5	1393922	1393922	+	8.19E-07	4.2965E-06	0.200646	hyper	sig	chr5_1393922
chr5	33937156	33937156	+	8.19E-07	4.2968E-06	0.2079	hyper	sig	chr5_33937156
chr2	45170818	45170818	+	8.228E-07	4.3155E-06	0.212786	hyper	sig	chr2_45170818
chr10	571268	571268	+	8.235E-07	4.3191E-06	0.202244	hyper	sig	chr10_571268
chr9	1.29E+08	129438838	+	8.236E-07	4.3194E-06	-0.20808	hypo	sig	chr9_129438838
chr8	46955012	46955012	+	8.243E-07	4.3229E-06	-0.22001	hypo	sig	chr8_46955012
chr14	1.06E+08	105577820	+	8.258E-07	4.3304E-06	-0.20374	hypo	sig	chr14_105577820
chr7	1664336	1664336	+	8.259E-07	4.331E-06	0.241889	hyper	sig	chr7_1664336
chr12	50051241	50051241	+	8.26E-07	4.3313E-06	-0.2277	hypo	sig	chr12_50051241
chr6	30071631	30071631	+	8.26E-07	4.3314E-06	0.210084	hyper	sig	chr6_30071631
chr2	1.13E+08	113499253	+	8.273E-07	4.3378E-06	0.200121	hyper	sig	chr2_113499253
chr13	28099568	28099568	+	8.28E-07	4.3417E-06	0.204121	hyper	sig	chr13_28099568
chr8	22108584	22108584	+	8.291E-07	4.3467E-06	0.228592	hyper	sig	chr8_22108584
chr9	1.32E+08	132482502	+	8.309E-07	4.3559E-06	-0.21868	hypo	sig	chr9_132482502
chr7	1.02E+08	102321783	+	8.31E-07	4.3562E-06	-0.23472	hypo	sig	chr7_102321783
chr9	6644470	6644470	+	8.328E-07	4.3655E-06	0.240754	hyper	sig	chr9_6644470
chr3	9778973	9778973	+	8.342E-07	4.3725E-06	-0.21241	hypo	sig	chr3_9778973
chr7	1.41E+08	140641335	+	8.345E-07	4.3736E-06	0.262559	hyper	sig	chr7_140641335
chr19	1763856	1763856	+	8.37E-07	4.3862E-06	0.221469	hyper	sig	chr19_1763856
chr19	35959964	35959964	+	8.392E-07	4.3972E-06	0.210143	hyper	sig	chr19_35959964
chr19	11674485	11674485	+	8.397E-07	4.3997E-06	0.205712	hyper	sig	chr19_11674485
chr7	55449466	55449466	+	8.403E-07	4.4031E-06	0.200752	hyper	sig	chr7_55449466
chr1	1.8E+08	179812630	+	8.411E-07	4.4066E-06	-0.24559	hypo	sig	chr1_179812630
chr3	13933333	13933333	+	8.418E-07	4.4104E-06	0.212305	hyper	sig	chr3_13933333
chr17	73647682	73647682	+	8.423E-07	4.4126E-06	-0.22549	hypo	sig	chr17_73647682
chr12	7863136	7863136	+	8.438E-07	4.4202E-06	0.206667	hyper	sig	chr12_7863136
chr16	2083320	2083320	+	8.448E-07	4.4251E-06	0.23206	hyper	sig	chr16_2083320
chr4	11368771	11368771	+	8.455E-07	4.4283E-06	0.236398	hyper	sig	chr4_11368771
chr22	38089709	38089709	+	8.478E-07	4.4397E-06	0.202942	hyper	sig	chr22_38089709
chr7	1.57E+08	157498895	+	8.485E-07	4.4432E-06	-0.27493	hypo	sig	chr7_157498895

chr1	2243258	2243258	+	8.49E-07	4.4454E-06	0.20005	hyper	sig	chr1_2243258
chr3	23811413	23811413	+	8.5E-07	4.4506E-06	-0.20234	hypo	sig	chr3_23811413
chr19	58033850	58033850	+	8.52E-07	4.4606E-06	0.219286	hyper	sig	chr19_58033850
chr19	47544872	47544872	+	8.522E-07	4.4613E-06	-0.22484	hypo	sig	chr19_47544872
chr2	1.84E+08	183608144	+	8.524E-07	4.4622E-06	-0.21866	hypo	sig	chr2_183608144
chr10	1.04E+08	103668753	+	8.527E-07	4.4637E-06	0.20287	hyper	sig	chr10_103668753
chr3	48661199	48661199	+	8.544E-07	4.4723E-06	0.246465	hyper	sig	chr3_48661199
chr6	4482953	4482953	+	8.554E-07	4.4769E-06	-0.27756	hypo	sig	chr6_4482953
chr2	1.32E+08	131724072	+	8.555E-07	4.4776E-06	0.208518	hyper	sig	chr2_131724072
chr2	1.32E+08	132361702	+	8.57E-07	4.4847E-06	-0.23033	hypo	sig	chr2_132361702
chr7	52273849	52273849	+	8.58E-07	4.4897E-06	0.217179	hyper	sig	chr7_52273849
chr11	364846	364846	+	8.59E-07	4.4944E-06	-0.21315	hypo	sig	chr11_364846
chr19	33225352	33225352	+	8.59E-07	4.4945E-06	0.226947	hyper	sig	chr19_33225352
chr10	1.33E+08	132851730	+	8.592E-07	4.4955E-06	-0.25912	hypo	sig	chr10_132851730
chr16	31107681	31107681	+	8.601E-07	4.5E-06	-0.20409	hypo	sig	chr16_31107681
chr2	24083726	24083726	+	8.612E-07	4.5051E-06	-0.26186	hypo	sig	chr2_24083726
chr5	891329	891329	+	8.614E-07	4.5062E-06	-0.21919	hypo	sig	chr5_891329
chr18	50339307	50339307	+	8.615E-07	4.5069E-06	-0.20689	hypo	sig	chr18_50339307
chr9	37027463	37027463	+	8.618E-07	4.5085E-06	0.207509	hyper	sig	chr9_37027463
chr5	1.78E+08	178162854	+	8.619E-07	4.5089E-06	-0.22349	hypo	sig	chr5_178162854
chr16	73063185	73063185	+	8.627E-07	4.5127E-06	-0.24295	hypo	sig	chr16_73063185
chr16	35574124	35574124	+	8.654E-07	4.5258E-06	0.20996	hyper	sig	chr16_35574124
chr14	1.02E+08	102088676	+	8.657E-07	4.5271E-06	-0.22889	hypo	sig	chr14_102088676
chr5	28928223	28928223	+	8.657E-07	4.5271E-06	0.208738	hyper	sig	chr5_28928223
chr13	1.14E+08	113981790	+	8.659E-07	4.5282E-06	-0.23757	hypo	sig	chr13_113981790
chr19	28727234	28727234	+	8.659E-07	4.5283E-06	0.216529	hyper	sig	chr19_28727234
chr16	1534152	1534152	+	8.668E-07	4.5328E-06	0.222199	hyper	sig	chr16_1534152
chr9	1.31E+08	131028407	+	8.68E-07	4.5386E-06	-0.25085	hypo	sig	chr9_131028407
chr13	30932947	30932947	+	8.703E-07	4.55E-06	0.247342	hyper	sig	chr13_30932947
chr13	50133232	50133232	+	8.703E-07	4.55E-06	0.213684	hyper	sig	chr13_50133232
chr16	87648495	87648495	+	8.703E-07	4.55E-06	-0.21293	hypo	sig	chr16_87648495
chr11	358351	358351	+	8.717E-07	4.5568E-06	0.219443	hyper	sig	chr11_358351
chr22	23763604	23763604	+	8.749E-07	4.5727E-06	0.221975	hyper	sig	chr22_23763604
chr19	56840884	56840884	+	8.764E-07	4.5804E-06	0.20095	hyper	sig	chr19_56840884
chr2	1.68E+08	168244505	+	8.768E-07	4.5821E-06	-0.214	hypo	sig	chr2_168244505
chr17	19344511	19344511	+	8.786E-07	4.5913E-06	0.204084	hyper	sig	chr17_19344511
chr10	95184160	95184160	+	8.803E-07	4.5996E-06	-0.20401	hypo	sig	chr10_95184160
chr19	56837836	56837836	+	8.805E-07	4.6006E-06	0.228778	hyper	sig	chr19_56837836
chr5	33937166	33937166	+	8.828E-07	4.6118E-06	0.223552	hyper	sig	chr5_33937166
chr19	4548387	4548387	+	8.835E-07	4.6152E-06	-0.20182	hypo	sig	chr19_4548387
chr19	51066365	51066365	+	8.842E-07	4.6189E-06	-0.23816	hypo	sig	chr19_51066365
chr5	1119459	1119459	+	8.892E-07	4.6437E-06	-0.21735	hypo	sig	chr5_1119459
chr20	31862096	31862096	+	8.93E-07	4.6623E-06	-0.22247	hypo	sig	chr20_31862096
chr12	1.32E+08	132215309	+	8.932E-07	4.6634E-06	-0.21815	hypo	sig	chr12_132215309
chr9	1.38E+08	137514117	+	8.932E-07	4.6634E-06	-0.20191	hypo	sig	chr9_137514117
chr17	78453357	78453357	+	8.933E-07	4.664E-06	-0.24961	hypo	sig	chr17_78453357
chr18	57352438	57352438	+	8.941E-07	4.6676E-06	0.20127	hyper	sig	chr18_57352438
chr19	11359533	11359533	+	8.956E-07	4.6752E-06	-0.20944	hypo	sig	chr19_11359533
chr11	1.11E+08	111284331	+	8.962E-07	4.6785E-06	-0.20167	hypo	sig	chr11_111284331
chr21	45294360	45294360	+	8.963E-07	4.6788E-06	0.259468	hyper	sig	chr21_45294360
chr10	92695786	92695786	+	8.966E-07	4.6801E-06	0.216475	hyper	sig	chr10_92695786
chr14	72679695	72679695	+	8.967E-07	4.6808E-06	0.212705	hyper	sig	chr14_72679695
chr9	35972186	35972186	+	8.969E-07	4.6818E-06	0.20594	hyper	sig	chr9_35972186
chr17	80823268	80823268	+	8.984E-07	4.6887E-06	-0.23339	hypo	sig	chr17_80823268
chr19	4916561	4916561	+	9.009E-07	4.7012E-06	-0.22094	hypo	sig	chr19_4916561
chr16	67001554	67001554	+	9.021E-07	4.7069E-06	0.215679	hyper	sig	chr16_67001554

chr6	12749236	12749236	+	9.023E-07	4.7077E-06	0.229882	hyper	sig	chr6_12749236
chr9	1.34E+08	133706532	+	9.027E-07	4.7098E-06	-0.24277	hypo	sig	chr9_133706532
chr1	94540719	94540719	+	9.032E-07	4.7124E-06	-0.24562	hypo	sig	chr1_94540719
chr8	1.41E+08	140558524	+	9.058E-07	4.7254E-06	-0.2021	hypo	sig	chr8_140558524
chr1	1.71E+08	170659673	+	9.073E-07	4.7329E-06	-0.23006	hypo	sig	chr1_170659673
chr11	1.26E+08	126414286	+	9.082E-07	4.7372E-06	-0.20252	hypo	sig	chr11_126414286
chr9	1.35E+08	134700764	+	9.084E-07	4.7382E-06	-0.22035	hypo	sig	chr9_134700764
chr11	14905189	14905189	+	9.088E-07	4.74E-06	0.238627	hyper	sig	chr11_14905189
chr2	24174950	24174950	+	9.104E-07	4.7479E-06	0.204613	hyper	sig	chr2_24174950
chr14	1.05E+08	104681200	+	9.104E-07	4.7481E-06	-0.21003	hypo	sig	chr14_104681200
chr2	1.74E+08	174344337	+	9.105E-07	4.7482E-06	0.237442	hyper	sig	chr2_174344337
chr22	20670970	20670970	+	9.122E-07	4.7567E-06	0.209929	hyper	sig	chr22_20670970
chr1	2137482	2137482	+	9.124E-07	4.7576E-06	-0.20899	hypo	sig	chr1_2137482
chr20	58840196	58840196	+	9.126E-07	4.759E-06	0.2063	hyper	sig	chr20_58840196
chr2	1.56E+08	156329830	+	9.129E-07	4.7601E-06	0.206976	hyper	sig	chr2_156329830
chr20	36540991	36540991	+	9.131E-07	4.7614E-06	0.224936	hyper	sig	chr20_36540991
chr3	1.82E+08	181724379	+	9.139E-07	4.7651E-06	0.216461	hyper	sig	chr3_181724379
chr16	89042993	89042993	+	9.148E-07	4.7693E-06	-0.22929	hypo	sig	chr16_89042993
chr11	78657071	78657071	+	9.18E-07	4.7853E-06	-0.21125	hypo	sig	chr11_78657071
chr10	70602696	70602696	+	9.228E-07	4.809E-06	-0.21599	hypo	sig	chr10_70602696
chr12	1.3E+08	130142889	+	9.259E-07	4.8245E-06	-0.22866	hypo	sig	chr12_130142889
chr11	30016087	30016087	+	9.26E-07	4.825E-06	0.230456	hyper	sig	chr11_30016087
chr16	46573854	46573854	+	9.275E-07	4.8326E-06	-0.23319	hypo	sig	chr16_46573854
chr3	50341282	50341282	+	9.289E-07	4.8395E-06	-0.20872	hypo	sig	chr3_50341282
chr5	73436147	73436147	+	9.311E-07	4.85E-06	0.241372	hyper	sig	chr5_73436147
chr1	2.47E+08	247376047	+	9.324E-07	4.8568E-06	-0.22519	hypo	sig	chr1_247376047
chr2	1.29E+08	128735159	+	9.356E-07	4.8718E-06	-0.21099	hypo	sig	chr2_128735159
chr7	1.58E+08	157544200	+	9.364E-07	4.8763E-06	-0.20273	hypo	sig	chr7_157544200
chr7	1.51E+08	151199481	+	9.377E-07	4.8823E-06	0.224472	hyper	sig	chr7_151199481
chr17	78142501	78142501	+	9.399E-07	4.8932E-06	-0.21128	hypo	sig	chr17_78142501
chr2	1.76E+08	176189847	+	9.404E-07	4.8956E-06	0.201155	hyper	sig	chr2_176189847
chr12	54129510	54129510	+	9.409E-07	4.8985E-06	-0.23096	hypo	sig	chr12_54129510
chr16	3183376	3183376	+	9.444E-07	4.9156E-06	0.208605	hyper	sig	chr16_3183376
chr4	3375912	3375912	+	9.455E-07	4.9211E-06	0.220453	hyper	sig	chr4_3375912
chr16	2033167	2033167	+	9.464E-07	4.9256E-06	0.252202	hyper	sig	chr16_2033167
chr10	1.29E+08	129042964	+	9.478E-07	4.9322E-06	0.203621	hyper	sig	chr10_129042964
chr17	2058322	2058322	+	9.494E-07	4.9401E-06	0.222498	hyper	sig	chr17_2058322
chr1	26409383	26409383	+	9.518E-07	4.9523E-06	0.243491	hyper	sig	chr1_26409383
chr1	54121307	54121307	+	9.519E-07	4.9528E-06	-0.20199	hypo	sig	chr1_54121307
chr1	2.02E+08	202203650	+	9.55E-07	4.9677E-06	-0.21557	hypo	sig	chr1_202203650
chr7	1.5E+08	149692610	+	9.609E-07	4.9968E-06	0.244271	hyper	sig	chr7_149692610
chr9	36036504	36036504	+	9.618E-07	5.0011E-06	0.237313	hyper	sig	chr9_36036504
chr2	44768730	44768730	+	9.626E-07	5.005E-06	0.274531	hyper	sig	chr2_44768730
chr1	1.13E+08	112852329	+	9.632E-07	5.0076E-06	-0.24108	hypo	sig	chr1_112852329
chr1	92481470	92481470	+	9.639E-07	5.0109E-06	0.2171	hyper	sig	chr1_92481470
chr7	73363784	73363784	+	9.649E-07	5.016E-06	-0.21644	hypo	sig	chr7_73363784
chr11	73661565	73661565	+	9.656E-07	5.0197E-06	0.216951	hyper	sig	chr11_73661565
chr8	1.44E+08	144375720	+	9.66E-07	5.0213E-06	0.212444	hyper	sig	chr8_144375720
chr22	45879404	45879404	+	9.679E-07	5.031E-06	-0.21555	hypo	sig	chr22_45879404
chr20	58839989	58839989	+	9.68E-07	5.0316E-06	0.230453	hyper	sig	chr20_58839989
chr7	4261207	4261207	+	9.706E-07	5.0439E-06	0.216013	hyper	sig	chr7_4261207
chr8	56446369	56446369	+	9.709E-07	5.0454E-06	0.253447	hyper	sig	chr8_56446369
chr20	58840287	58840287	+	9.712E-07	5.0473E-06	0.213723	hyper	sig	chr20_58840287
chr16	67969594	67969594	+	9.739E-07	5.0607E-06	0.24765	hyper	sig	chr16_67969594
chr4	11368757	11368757	+	9.752E-07	5.0669E-06	0.227775	hyper	sig	chr4_11368757
chr17	75588617	75588617	+	9.759E-07	5.0706E-06	0.202455	hyper	sig	chr17_75588617

chr10	1.27E+08	127194787	+	9.767E-07	5.0747E-06	0.24015	hyper	sig	chr10_127194787
chr11	64566745	64566745	+	9.773E-07	5.0773E-06	-0.20481	hypo	sig	chr11_64566745
chr17	7851481	7851481	+	9.788E-07	5.0847E-06	-0.21846	hypo	sig	chr17_7851481
chr4	1.89E+08	189356015	+	9.809E-07	5.095E-06	-0.20536	hypo	sig	chr4_189356015
chr19	40387326	40387326	+	9.822E-07	5.1017E-06	-0.23958	hypo	sig	chr19_40387326
chr17	41625904	41625904	+	9.827E-07	5.104E-06	-0.25812	hypo	sig	chr17_41625904
chr14	93787983	93787983	+	9.854E-07	5.117E-06	0.220226	hyper	sig	chr14_93787983
chr9	21560365	21560365	+	9.865E-07	5.1225E-06	-0.23751	hypo	sig	chr9_21560365
chr6	1.7E+08	170139438	+	9.867E-07	5.1236E-06	0.22143	hyper	sig	chr6_170139438
chr7	5417685	5417685	+	9.896E-07	5.1376E-06	0.223745	hyper	sig	chr7_5417685
chr19	4327136	4327136	+	9.92E-07	5.149E-06	0.221271	hyper	sig	chr19_4327136
chr11	1.34E+08	134277433	+	9.922E-07	5.1503E-06	0.210018	hyper	sig	chr11_134277433
chr3	14298034	14298034	+	9.923E-07	5.1507E-06	0.212074	hyper	sig	chr3_14298034
chr12	1.32E+08	132403641	+	9.963E-07	5.1704E-06	-0.20114	hypo	sig	chr12_132403641
chr7	27106536	27106536	+	9.969E-07	5.1732E-06	0.255814	hyper	sig	chr7_27106536
chr13	1.14E+08	113564265	+	9.971E-07	5.1741E-06	-0.21739	hypo	sig	chr13_113564265
chr3	62373912	62373912	+	9.976E-07	5.177E-06	0.228446	hyper	sig	chr3_62373912
chr13	1.12E+08	111972483	+	9.988E-07	5.1825E-06	0.214293	hyper	sig	chr13_111972483
chr3	13204613	13204613	+	1.001E-06	5.1942E-06	0.218167	hyper	sig	chr3_13204613
chr16	832802	832802	+	1.003E-06	5.2051E-06	-0.2133	hypo	sig	chr16_832802
chr11	67055451	67055451	+	1.006E-06	5.2182E-06	-0.22726	hypo	sig	chr11_67055451
chr19	45766941	45766941	+	1.007E-06	5.2226E-06	0.207246	hyper	sig	chr19_45766941
chr5	6411552	6411552	+	1.008E-06	5.2266E-06	-0.21313	hypo	sig	chr5_6411552
chr14	60654065	60654065	+	1.008E-06	5.2299E-06	0.22918	hyper	sig	chr14_60654065
chr16	16311663	16311663	+	1.013E-06	5.2514E-06	0.235036	hyper	sig	chr16_16311663
chr1	3213159	3213159	+	1.013E-06	5.2528E-06	-0.20093	hypo	sig	chr1_3213159
chr12	56020724	56020724	+	1.015E-06	5.2617E-06	0.203802	hyper	sig	chr12_56020724
chr16	54291298	54291298	+	1.018E-06	5.2766E-06	0.216055	hyper	sig	chr16_54291298
chr11	65611162	65611162	+	1.019E-06	5.2806E-06	0.212145	hyper	sig	chr11_65611162
chr19	1086803	1086803	+	1.022E-06	5.2983E-06	0.209076	hyper	sig	chr19_1086803
chr10	84241381	84241381	+	1.022E-06	5.2987E-06	-0.20428	hypo	sig	chr10_84241381
chr7	923873	923873	+	1.028E-06	5.3275E-06	-0.20196	hypo	sig	chr7_923873
chr11	281543	281543	+	1.029E-06	5.3301E-06	0.223189	hyper	sig	chr11_281543
chr12	63821791	63821791	+	1.029E-06	5.3311E-06	0.200336	hyper	sig	chr12_63821791
chr12	6887705	6887705	+	1.03E-06	5.3369E-06	-0.2367	hypo	sig	chr12_6887705
chr20	63771083	63771083	+	1.03E-06	5.337E-06	-0.20657	hypo	sig	chr20_63771083
chr6	1.34E+08	133889559	+	1.031E-06	5.3404E-06	0.211465	hyper	sig	chr6_133889559
chr19	49928239	49928239	+	1.035E-06	5.3592E-06	-0.23559	hypo	sig	chr19_49928239
chr9	1.36E+08	136201605	+	1.036E-06	5.3636E-06	0.215609	hyper	sig	chr9_136201605
chr12	1.32E+08	132185731	+	1.036E-06	5.3672E-06	-0.20738	hypo	sig	chr12_132185731
chr15	25194294	25194294	+	1.037E-06	5.3677E-06	-0.20352	hypo	sig	chr15_25194294
chr2	2.31E+08	230986989	+	1.037E-06	5.3716E-06	-0.21817	hypo	sig	chr2_230986989
chr14	94768411	94768411	+	1.039E-06	5.3786E-06	0.204892	hyper	sig	chr14_94768411
chr19	2429211	2429211	+	1.039E-06	5.3804E-06	0.206565	hyper	sig	chr19_2429211
chr1	2983029	2983029	+	1.04E-06	5.3828E-06	-0.21331	hypo	sig	chr1_2983029
chr11	65322048	65322048	+	1.04E-06	5.3835E-06	0.25493	hyper	sig	chr11_65322048
chr20	49981803	49981803	+	1.045E-06	5.4091E-06	-0.20178	hypo	sig	chr20_49981803
chr11	46144858	46144858	+	1.048E-06	5.4218E-06	-0.21837	hypo	sig	chr11_46144858
chr11	46346228	46346228	+	1.048E-06	5.4224E-06	-0.22606	hypo	sig	chr11_46346228
chr2	2.4E+08	240031169	+	1.05E-06	5.4322E-06	-0.21673	hypo	sig	chr2_240031169
chr12	34394029	34394029	+	1.05E-06	5.4339E-06	-0.22576	hypo	sig	chr12_34394029
chr13	99960986	99960986	+	1.05E-06	5.4355E-06	0.239623	hyper	sig	chr13_99960986
chr9	1.34E+08	133527260	+	1.051E-06	5.4377E-06	0.202886	hyper	sig	chr9_133527260
chr2	1817340	1817340	+	1.052E-06	5.4438E-06	0.20089	hyper	sig	chr2_1817340
chr22	19770598	19770598	+	1.053E-06	5.4465E-06	-0.20287	hypo	sig	chr22_19770598
chr11	30016328	30016328	+	1.054E-06	5.4538E-06	0.228893	hyper	sig	chr11_30016328

chr2	2.41E+08	240757538	+	1.055E-06	5.4562E-06	0.203679	hyper	sig	chr2_240757538
chr11	6571141	6571141	+	1.055E-06	5.4579E-06	0.204507	hyper	sig	chr11_6571141
chr13	18943854	18943854	+	1.056E-06	5.4641E-06	-0.2117	hypo	sig	chr13_18943854
chr13	1.14E+08	114027220	+	1.056E-06	5.4644E-06	0.218181	hyper	sig	chr13_114027220
chr6	78030112	78030112	+	1.059E-06	5.4766E-06	-0.20384	hypo	sig	chr6_78030112
chr7	1.56E+08	155806434	+	1.064E-06	5.5043E-06	0.216266	hyper	sig	chr7_155806434
chr11	27719469	27719469	+	1.066E-06	5.5143E-06	0.208396	hyper	sig	chr11_27719469
chr16	67155901	67155901	+	1.07E-06	5.5303E-06	0.20189	hyper	sig	chr16_67155901
chr16	10182918	10182918	+	1.07E-06	5.5318E-06	0.20155	hyper	sig	chr16_10182918
chr17	80087927	80087927	+	1.07E-06	5.5337E-06	-0.2019	hypo	sig	chr17_80087927
chr21	46049242	46049242	+	1.07E-06	5.5337E-06	0.220565	hyper	sig	chr21_46049242
chr1	1974260	1974260	+	1.071E-06	5.5365E-06	-0.20545	hypo	sig	chr1_1974260
chr12	1.04E+08	104303889	+	1.074E-06	5.5523E-06	0.216697	hyper	sig	chr12_104303889
chr16	49838559	49838559	+	1.077E-06	5.5683E-06	0.215959	hyper	sig	chr16_49838559
chr2	74500222	74500222	+	1.08E-06	5.5812E-06	0.207491	hyper	sig	chr2_74500222
chr12	1.19E+08	119153967	+	1.08E-06	5.5817E-06	0.210352	hyper	sig	chr12_119153967
chr2	2.38E+08	238164505	+	1.082E-06	5.5888E-06	-0.20094	hypo	sig	chr2_238164505
chr4	1.74E+08	173538244	+	1.083E-06	5.5957E-06	0.201709	hyper	sig	chr4_173538244
chr1	1.78E+08	178487137	+	1.084E-06	5.5998E-06	0.202664	hyper	sig	chr1_178487137
chr6	1625038	1625038	+	1.086E-06	5.6122E-06	0.229409	hyper	sig	chr6_1625038
chr4	1.5E+08	150255973	+	1.087E-06	5.6163E-06	0.200458	hyper	sig	chr4_150255973
chr10	413808	413808	+	1.088E-06	5.6201E-06	-0.23129	hypo	sig	chr10_413808
chr11	1.13E+08	113272885	+	1.089E-06	5.6253E-06	-0.21274	hypo	sig	chr11_113272885
chr10	1.03E+08	102919761	+	1.091E-06	5.6353E-06	0.233129	hyper	sig	chr10_102919761
chr20	40683677	40683677	+	1.092E-06	5.6407E-06	0.200829	hyper	sig	chr20_40683677
chr9	1.34E+08	133918241	+	1.097E-06	5.6644E-06	0.240165	hyper	sig	chr9_133918241
chr5	1.59E+08	159095399	+	1.1E-06	5.6809E-06	0.22026	hyper	sig	chr5_159095399
chr19	7928466	7928466	+	1.101E-06	5.682E-06	0.211929	hyper	sig	chr19_7928466
chr6	1.08E+08	108119736	+	1.112E-06	5.7387E-06	0.253517	hyper	sig	chr6_108119736
chr19	50259162	50259162	+	1.116E-06	5.7561E-06	0.215139	hyper	sig	chr19_50259162
chr1	1986551	1986551	+	1.117E-06	5.7602E-06	-0.21907	hypo	sig	chr1_1986551
chr3	1.33E+08	133397098	+	1.118E-06	5.7686E-06	-0.20477	hypo	sig	chr3_133397098
chr19	35560845	35560845	+	1.122E-06	5.7866E-06	-0.20749	hypo	sig	chr19_35560845
chr16	5044270	5044270	+	1.123E-06	5.7888E-06	-0.21654	hypo	sig	chr16_5044270
chr19	38370768	38370768	+	1.131E-06	5.8292E-06	-0.23402	hypo	sig	chr19_38370768
chr11	536702	536702	+	1.133E-06	5.8394E-06	-0.2418	hypo	sig	chr11_536702
chr10	369979	369979	+	1.133E-06	5.8417E-06	0.251515	hyper	sig	chr10_369979
chr4	4763522	4763522	+	1.135E-06	5.8472E-06	0.206962	hyper	sig	chr4_4763522
chr4	108082	108082	+	1.135E-06	5.8503E-06	0.224543	hyper	sig	chr4_108082
chr2	2.18E+08	218034500	+	1.135E-06	5.8516E-06	-0.20398	hypo	sig	chr2_218034500
chr2	1.56E+08	156329397	+	1.136E-06	5.8537E-06	0.221132	hyper	sig	chr2_156329397
chr5	1.41E+08	141332660	+	1.136E-06	5.8566E-06	0.248223	hyper	sig	chr5_141332660
chr3	53496005	53496005	+	1.138E-06	5.8644E-06	0.200669	hyper	sig	chr3_53496005
chr7	27145294	27145294	+	1.139E-06	5.8677E-06	0.212938	hyper	sig	chr7_27145294
chr19	4171741	4171741	+	1.14E-06	5.8724E-06	-0.21077	hypo	sig	chr19_4171741
chr12	34218849	34218849	+	1.145E-06	5.8968E-06	0.227127	hyper	sig	chr12_34218849
chr22	49850025	49850025	+	1.145E-06	5.8972E-06	0.224407	hyper	sig	chr22_49850025
chr13	1.14E+08	114027237	+	1.145E-06	5.8995E-06	0.205641	hyper	sig	chr13_114027237
chr13	1.13E+08	112985903	+	1.148E-06	5.9148E-06	-0.21887	hypo	sig	chr13_112985903
chr19	3163125	3163125	+	1.149E-06	5.9183E-06	0.23997	hyper	sig	chr19_3163125
chr4	2462285	2462285	+	1.15E-06	5.9203E-06	0.211473	hyper	sig	chr4_2462285
chr7	873378	873378	+	1.151E-06	5.9255E-06	0.210129	hyper	sig	chr7_873378
chr20	22576936	22576936	+	1.151E-06	5.9265E-06	0.233987	hyper	sig	chr20_22576936
chr9	96657366	96657366	+	1.154E-06	5.9417E-06	-0.2287	hypo	sig	chr9_96657366
chr7	1.51E+08	151003732	+	1.155E-06	5.9459E-06	-0.21332	hypo	sig	chr7_151003732
chr19	1468523	1468523	+	1.161E-06	5.9777E-06	0.207076	hyper	sig	chr19_1468523

chr19	49210360	49210360	+	1.162E-06	5.9817E-06	0.256068	hyper	sig	chr19_49210360
chr7	1.49E+08	149072020	+	1.163E-06	5.9871E-06	0.243774	hyper	sig	chr7_149072020
chr6	1624704	1624704	+	1.165E-06	5.996E-06	0.248012	hyper	sig	chr6_1624704
chr10	36818090	36818090	+	1.166E-06	5.9984E-06	-0.20371	hypo	sig	chr10_36818090
chr19	1525723	1525723	+	1.166E-06	5.9985E-06	-0.20348	hypo	sig	chr19_1525723
chr15	51093732	51093732	+	1.167E-06	6.0039E-06	0.215071	hyper	sig	chr15_51093732
chr14	1.03E+08	102761294	+	1.167E-06	6.0064E-06	0.204067	hyper	sig	chr14_102761294
chr16	88100729	88100729	+	1.17E-06	6.0206E-06	0.242215	hyper	sig	chr16_88100729
chr4	1.47E+08	146647500	+	1.173E-06	6.0344E-06	0.218399	hyper	sig	chr4_146647500
chr7	1073362	1073362	+	1.177E-06	6.0517E-06	0.219075	hyper	sig	chr7_1073362
chr12	1.12E+08	112192085	+	1.18E-06	6.0661E-06	0.205362	hyper	sig	chr12_112192085
chr1	22680427	22680427	+	1.18E-06	6.07E-06	-0.21409	hypo	sig	chr1_22680427
chr12	1.06E+08	106246075	+	1.182E-06	6.078E-06	-0.20436	hypo	sig	chr12_106246075
chr21	45539114	45539114	+	1.188E-06	6.1059E-06	-0.20785	hypo	sig	chr21_45539114
chr2	45008148	45008148	+	1.188E-06	6.1089E-06	-0.21958	hypo	sig	chr2_45008148
chr7	568930	568930	+	1.192E-06	6.1249E-06	0.227254	hyper	sig	chr7_568930
chr12	55746075	55746075	+	1.193E-06	6.1298E-06	0.207243	hyper	sig	chr12_55746075
chr17	45241385	45241385	+	1.193E-06	6.1319E-06	0.208357	hyper	sig	chr17_45241385
chr6	1.7E+08	170077569	+	1.195E-06	6.1394E-06	-0.2027	hypo	sig	chr6_170077569
chr20	63394042	63394042	+	1.196E-06	6.1453E-06	0.257334	hyper	sig	chr20_63394042
chr18	57354300	57354300	+	1.196E-06	6.1473E-06	0.213295	hyper	sig	chr18_57354300
chr17	50840989	50840989	+	1.197E-06	6.1483E-06	-0.20113	hypo	sig	chr17_50840989
chr9	1.32E+08	131824323	+	1.197E-06	6.1483E-06	-0.21536	hypo	sig	chr9_131824323
chr9	1.37E+08	137138428	+	1.199E-06	6.1596E-06	0.23501	hyper	sig	chr9_137138428
chr22	22559439	22559439	+	1.204E-06	6.185E-06	-0.22369	hypo	sig	chr22_22559439
chr16	2184110	2184110	+	1.206E-06	6.1938E-06	-0.20421	hypo	sig	chr16_2184110
chr19	3364126	3364126	+	1.206E-06	6.196E-06	0.206101	hyper	sig	chr19_3364126
chr3	1.71E+08	170690646	+	1.208E-06	6.2041E-06	-0.20466	hypo	sig	chr3_170690646
chr12	1.33E+08	132559168	+	1.209E-06	6.2076E-06	-0.20481	hypo	sig	chr12_132559168
chr1	2207514	2207514	+	1.21E-06	6.211E-06	0.221481	hyper	sig	chr1_2207514
chr18	5196333	5196333	+	1.21E-06	6.2128E-06	0.229327	hyper	sig	chr18_5196333
chr7	57424465	57424465	+	1.215E-06	6.2373E-06	0.237401	hyper	sig	chr7_57424465
chr16	87983517	87983517	+	1.22E-06	6.2608E-06	0.221638	hyper	sig	chr16_87983517
chr22	37229421	37229421	+	1.22E-06	6.2621E-06	-0.22743	hypo	sig	chr22_37229421
chr13	27975726	27975726	+	1.223E-06	6.2754E-06	0.216478	hyper	sig	chr13_27975726
chr2	2.41E+08	240701787	+	1.223E-06	6.2764E-06	-0.22026	hypo	sig	chr2_240701787
chr12	54019313	54019313	+	1.226E-06	6.2922E-06	0.203062	hyper	sig	chr12_54019313
chr17	82384605	82384605	+	1.227E-06	6.2973E-06	-0.24588	hypo	sig	chr17_82384605
chr4	2462261	2462261	+	1.228E-06	6.3006E-06	0.237131	hyper	sig	chr4_2462261
chr16	85602237	85602237	+	1.229E-06	6.304E-06	0.222973	hyper	sig	chr16_85602237
chr1	1.83E+08	182952722	+	1.23E-06	6.3099E-06	0.216184	hyper	sig	chr1_182952722
chr19	19515619	19515619	+	1.23E-06	6.3109E-06	-0.2026	hypo	sig	chr19_19515619
chr4	3767969	3767969	+	1.234E-06	6.3275E-06	0.223951	hyper	sig	chr4_3767969
chr19	3617593	3617593	+	1.236E-06	6.3398E-06	-0.20211	hypo	sig	chr19_3617593
chr17	81992298	81992298	+	1.236E-06	6.3399E-06	0.201408	hyper	sig	chr17_81992298
chr2	2.35E+08	235493292	+	1.24E-06	6.3603E-06	0.234474	hyper	sig	chr2_235493292
chr5	98839597	98839597	+	1.246E-06	6.3858E-06	0.214339	hyper	sig	chr5_98839597
chr11	32439712	32439712	+	1.246E-06	6.3859E-06	0.245662	hyper	sig	chr11_32439712
chr2	1.17E+08	117057038	+	1.247E-06	6.3937E-06	-0.2082	hypo	sig	chr2_117057038
chr11	1918361	1918361	+	1.251E-06	6.412E-06	-0.20621	hypo	sig	chr11_1918361
chr19	18784397	18784397	+	1.253E-06	6.4208E-06	-0.20039	hypo	sig	chr19_18784397
chr6	1624701	1624701	+	1.257E-06	6.4403E-06	0.24997	hyper	sig	chr6_1624701
chr5	1090418	1090418	+	1.258E-06	6.4483E-06	-0.25703	hypo	sig	chr5_1090418
chr1	3598659	3598659	+	1.26E-06	6.4584E-06	0.202542	hyper	sig	chr1_3598659
chr17	72124300	72124300	+	1.261E-06	6.4628E-06	-0.20667	hypo	sig	chr17_72124300
chr14	60507388	60507388	+	1.263E-06	6.4728E-06	0.254521	hyper	sig	chr14_60507388

chr2	2.31E+08	230991218	+	1.265E-06	6.4788E-06	0.211199	hyper	sig	chr2_230991218
chr6	10389982	10389982	+	1.265E-06	6.4816E-06	0.23317	hyper	sig	chr6_10389982
chr2	2.19E+08	218962166	+	1.266E-06	6.4876E-06	0.225135	hyper	sig	chr2_218962166
chr11	1.33E+08	133081951	+	1.267E-06	6.4899E-06	0.202191	hyper	sig	chr11_133081951
chr4	7195889	7195889	+	1.268E-06	6.4958E-06	-0.21323	hypo	sig	chr4_7195889
chr3	13622130	13622130	+	1.27E-06	6.5065E-06	-0.21324	hypo	sig	chr3_13622130
chr17	58278140	58278140	+	1.273E-06	6.519E-06	-0.2411	hypo	sig	chr17_58278140
chr1	18630210	18630210	+	1.274E-06	6.524E-06	0.206061	hyper	sig	chr1_18630210
chr1	1.1E+08	110068228	+	1.282E-06	6.5634E-06	0.200059	hyper	sig	chr1_110068228
chr9	94332759	94332759	+	1.284E-06	6.5726E-06	0.218265	hyper	sig	chr9_94332759
chr20	62214086	62214086	+	1.285E-06	6.5762E-06	-0.23779	hypo	sig	chr20_62214086
chr6	1.69E+08	169169732	+	1.285E-06	6.5784E-06	-0.21871	hypo	sig	chr6_169169732
chr10	1199552	1199552	+	1.289E-06	6.596E-06	-0.20437	hypo	sig	chr10_1199552
chr16	29140129	29140129	+	1.29E-06	6.6034E-06	0.202148	hyper	sig	chr16_29140129
chr11	1359071	1359071	+	1.291E-06	6.6093E-06	-0.20214	hypo	sig	chr11_1359071
chr4	1.41E+08	140645871	+	1.292E-06	6.6129E-06	0.206409	hyper	sig	chr4_140645871
chr14	60486152	60486152	+	1.293E-06	6.6177E-06	0.217826	hyper	sig	chr14_60486152
chr16	89184698	89184698	+	1.294E-06	6.6234E-06	-0.22949	hypo	sig	chr16_89184698
chr19	6113934	6113934	+	1.299E-06	6.6447E-06	-0.20106	hypo	sig	chr19_6113934
chr21	46393126	46393126	+	1.303E-06	6.6673E-06	0.210739	hyper	sig	chr21_46393126
chr4	9781337	9781337	+	1.303E-06	6.6675E-06	0.234375	hyper	sig	chr4_9781337
chr16	729125	729125	+	1.303E-06	6.6678E-06	0.25091	hyper	sig	chr16_729125
chr20	1949156	1949156	+	1.309E-06	6.6959E-06	-0.22232	hypo	sig	chr20_1949156
chr2	25204310	25204310	+	1.31E-06	6.6998E-06	0.203193	hyper	sig	chr2_25204310
chr10	1.32E+08	132201827	+	1.314E-06	6.7197E-06	-0.204	hypo	sig	chr10_132201827
chr17	48571095	48571095	+	1.315E-06	6.7221E-06	0.20494	hyper	sig	chr17_48571095
chr17	44558573	44558573	+	1.315E-06	6.7253E-06	0.212504	hyper	sig	chr17_44558573
chr5	51390562	51390562	+	1.316E-06	6.7267E-06	0.233642	hyper	sig	chr5_51390562
chr6	1E+08	100467301	+	1.316E-06	6.729E-06	0.208509	hyper	sig	chr6_100467301
chr9	1.28E+08	127741931	+	1.317E-06	6.7307E-06	0.202466	hyper	sig	chr9_127741931
chr15	45111926	45111926	+	1.318E-06	6.7361E-06	0.213436	hyper	sig	chr15_45111926
chr13	1.01E+08	101452837	+	1.318E-06	6.7392E-06	-0.20319	hypo	sig	chr13_101452837
chr9	1.28E+08	127846602	+	1.321E-06	6.7536E-06	-0.22021	hypo	sig	chr9_127846602
chr1	1.78E+08	178487017	+	1.321E-06	6.7536E-06	0.200264	hyper	sig	chr1_178487017
chr1	63074251	63074251	+	1.324E-06	6.7686E-06	0.213463	hyper	sig	chr1_63074251
chr1	41383458	41383458	+	1.325E-06	6.7727E-06	0.29878	hyper	sig	chr1_41383458
chr15	25716737	25716737	+	1.327E-06	6.7807E-06	-0.2176	hypo	sig	chr15_25716737
chr21	32572759	32572759	+	1.329E-06	6.7884E-06	-0.21814	hypo	sig	chr21_32572759
chr19	7924763	7924763	+	1.329E-06	6.7888E-06	0.280773	hyper	sig	chr19_7924763
chr9	21560368	21560368	+	1.331E-06	6.8026E-06	-0.23861	hypo	sig	chr9_21560368
chr6	35140861	35140861	+	1.333E-06	6.8115E-06	-0.22524	hypo	sig	chr6_35140861
chr16	89301550	89301550	+	1.335E-06	6.8188E-06	0.239974	hyper	sig	chr16_89301550
chr4	13543471	13543471	+	1.338E-06	6.8356E-06	0.225073	hyper	sig	chr4_13543471
chr12	57628134	57628134	+	1.341E-06	6.8478E-06	0.202268	hyper	sig	chr12_57628134
chr12	46831251	46831251	+	1.344E-06	6.8642E-06	0.207604	hyper	sig	chr12_46831251
chr20	2695788	2695788	+	1.346E-06	6.8723E-06	-0.21837	hypo	sig	chr20_2695788
chr8	1.08E+08	108081717	+	1.348E-06	6.8806E-06	0.255037	hyper	sig	chr8_108081717
chr11	69891486	69891486	+	1.349E-06	6.886E-06	-0.22241	hypo	sig	chr11_69891486
chr8	26860307	26860307	+	1.349E-06	6.8895E-06	-0.22194	hypo	sig	chr8_26860307
chr2	70901867	70901867	+	1.35E-06	6.8934E-06	0.246408	hyper	sig	chr2_70901867
chr6	1.17E+08	116564992	+	1.35E-06	6.8935E-06	0.243176	hyper	sig	chr6_116564992
chr1	2504145	2504145	+	1.351E-06	6.8948E-06	0.202776	hyper	sig	chr1_2504145
chr11	1388923	1388923	+	1.355E-06	6.9143E-06	0.238165	hyper	sig	chr11_1388923
chr17	80498155	80498155	+	1.355E-06	6.9151E-06	0.213591	hyper	sig	chr17_80498155
chr19	39435020	39435020	+	1.358E-06	6.9282E-06	-0.24629	hypo	sig	chr19_39435020
chr4	26063550	26063550	+	1.36E-06	6.9406E-06	-0.20095	hypo	sig	chr4_26063550

chr17	16617119	16617119	+	1.366E-06	6.9673E-06	0.20921	hyper	sig	chr17_16617119
chr16	89601998	89601998	+	1.367E-06	6.9725E-06	0.200834	hyper	sig	chr16_89601998
chr14	23407615	23407615	+	1.37E-06	6.9868E-06	-0.25728	hypo	sig	chr14_23407615
chr11	49102605	49102605	+	1.371E-06	6.9912E-06	-0.21098	hypo	sig	chr11_49102605
chr18	37570718	37570718	+	1.373E-06	7.0051E-06	-0.21135	hypo	sig	chr18_37570718
chr2	19356930	19356930	+	1.373E-06	7.0053E-06	0.216407	hyper	sig	chr2_19356930
chr17	77320494	77320494	+	1.374E-06	7.0079E-06	0.21217	hyper	sig	chr17_77320494
chr4	1606948	1606948	+	1.376E-06	7.0166E-06	-0.20301	hypo	sig	chr4_1606948
chr19	46620727	46620727	+	1.377E-06	7.0199E-06	0.216355	hyper	sig	chr19_46620727
chr9	1.37E+08	136716700	+	1.38E-06	7.0344E-06	-0.21048	hypo	sig	chr9_136716700
chr9	1.34E+08	133702208	+	1.381E-06	7.0424E-06	-0.21718	hypo	sig	chr9_133702208
chr12	49955739	49955739	+	1.384E-06	7.0538E-06	0.20162	hyper	sig	chr12_49955739
chr14	19668729	19668729	+	1.386E-06	7.0653E-06	0.264409	hyper	sig	chr14_19668729
chr17	48727442	48727442	+	1.386E-06	7.0656E-06	0.239678	hyper	sig	chr17_48727442
chr2	1134175	1134175	+	1.386E-06	7.0661E-06	-0.22055	hypo	sig	chr2_1134175
chr6	1.5E+08	149546791	+	1.387E-06	7.0685E-06	-0.23714	hypo	sig	chr6_149546791
chr14	74980927	74980927	+	1.387E-06	7.0714E-06	0.205723	hyper	sig	chr14_74980927
chr11	1.25E+08	124920411	+	1.387E-06	7.0715E-06	-0.21041	hypo	sig	chr11_124920411
chr3	1.97E+08	196646813	+	1.393E-06	7.0987E-06	-0.20021	hypo	sig	chr3_196646813
chr11	1685709	1685709	+	1.393E-06	7.0992E-06	-0.20558	hypo	sig	chr11_1685709
chr4	107308	107308	+	1.393E-06	7.0995E-06	0.213067	hyper	sig	chr4_107308
chr3	10164568	10164568	+	1.394E-06	7.1016E-06	-0.20233	hypo	sig	chr3_10164568
chr20	58840304	58840304	+	1.394E-06	7.1056E-06	0.216502	hyper	sig	chr20_58840304
chr1	1354890	1354890	+	1.395E-06	7.1087E-06	-0.21252	hypo	sig	chr1_1354890
chr6	6000368	6000368	+	1.399E-06	7.1279E-06	0.208424	hyper	sig	chr6_6000368
chr15	45111959	45111959	+	1.399E-06	7.1287E-06	0.204351	hyper	sig	chr15_45111959
chr3	1.47E+08	147398274	+	1.405E-06	7.157E-06	0.219233	hyper	sig	chr3_147398274
chr2	2.42E+08	241901781	+	1.407E-06	7.1642E-06	0.206916	hyper	sig	chr2_241901781
chr2	25161421	25161421	+	1.408E-06	7.1725E-06	0.200828	hyper	sig	chr2_25161421
chr9	98708064	98708064	+	1.409E-06	7.1757E-06	0.217021	hyper	sig	chr9_98708064
chr13	1.13E+08	113403125	+	1.41E-06	7.1794E-06	-0.2971	hypo	sig	chr13_113403125
chr1	2.07E+08	206834033	+	1.41E-06	7.1809E-06	-0.21063	hypo	sig	chr1_206834033
chr5	73230434	73230434	+	1.411E-06	7.1832E-06	0.234432	hyper	sig	chr5_73230434
chr5	93573065	93573065	+	1.412E-06	7.1911E-06	0.206145	hyper	sig	chr5_93573065
chr17	41917531	41917531	+	1.415E-06	7.2032E-06	0.218412	hyper	sig	chr17_41917531
chr1	1.52E+08	151839029	+	1.415E-06	7.2061E-06	0.241539	hyper	sig	chr1_151839029
chr4	3470578	3470578	+	1.418E-06	7.2208E-06	-0.25689	hypo	sig	chr4_3470578
chr10	1.33E+08	132834238	+	1.421E-06	7.2328E-06	-0.20703	hypo	sig	chr10_132834238
chr19	3136609	3136609	+	1.423E-06	7.2435E-06	-0.21277	hypo	sig	chr19_3136609
chr2	862308	862308	+	1.425E-06	7.2521E-06	0.211046	hyper	sig	chr2_862308
chr2	26186159	26186159	+	1.429E-06	7.2709E-06	-0.21418	hypo	sig	chr2_26186159
chr2	1.84E+08	183608136	+	1.429E-06	7.271E-06	-0.20506	hypo	sig	chr2_183608136
chr1	24932182	24932182	+	1.43E-06	7.278E-06	0.205307	hyper	sig	chr1_24932182
chr12	1.25E+08	124739177	+	1.431E-06	7.2835E-06	-0.2173	hypo	sig	chr12_124739177
chr17	42680190	42680190	+	1.436E-06	7.3031E-06	0.25086	hyper	sig	chr17_42680190
chr19	38564924	38564924	+	1.438E-06	7.3138E-06	0.204532	hyper	sig	chr19_38564924
chr7	1.5E+08	149779836	+	1.439E-06	7.3175E-06	-0.20006	hypo	sig	chr7_149779836
chr13	1.14E+08	113981580	+	1.44E-06	7.3233E-06	-0.24173	hypo	sig	chr13_113981580
chr19	47573464	47573464	+	1.451E-06	7.3743E-06	0.205705	hyper	sig	chr19_47573464
chr4	7300188	7300188	+	1.454E-06	7.3931E-06	-0.25614	hypo	sig	chr4_7300188
chr22	21450422	21450422	+	1.457E-06	7.4069E-06	0.2089	hyper	sig	chr22_21450422
chr4	78181517	78181517	+	1.459E-06	7.4157E-06	-0.21195	hypo	sig	chr4_78181517
chr6	30741931	30741931	+	1.465E-06	7.4421E-06	0.21112	hyper	sig	chr6_30741931
chr7	1.58E+08	157738187	+	1.465E-06	7.4421E-06	0.223228	hyper	sig	chr7_157738187
chr19	35351268	35351268	+	1.465E-06	7.4456E-06	-0.21396	hypo	sig	chr19_35351268
chr5	483510	483510	+	1.469E-06	7.4616E-06	-0.2211	hypo	sig	chr5_483510

chr19	38617990	38617990	+	1.471E-06	7.4728E-06	0.209237	hyper	sig	chr19_38617990
chr11	44264825	44264825	+	1.479E-06	7.5134E-06	-0.20099	hypo	sig	chr11_44264825
chr20	63738686	63738686	+	1.48E-06	7.5147E-06	0.219235	hyper	sig	chr20_63738686
chr7	1.28E+08	128201943	+	1.481E-06	7.5203E-06	0.205775	hyper	sig	chr7_128201943
chr14	1.05E+08	104899194	+	1.484E-06	7.5334E-06	0.218264	hyper	sig	chr14_104899194
chr2	11656963	11656963	+	1.495E-06	7.586E-06	-0.23054	hypo	sig	chr2_11656963
chr3	26622074	26622074	+	1.496E-06	7.5937E-06	0.217349	hyper	sig	chr3_26622074
chr10	1.03E+08	102505186	+	1.497E-06	7.597E-06	0.235696	hyper	sig	chr10_102505186
chr1	2.28E+08	227560776	+	1.498E-06	7.6015E-06	0.207839	hyper	sig	chr1_227560776
chr3	42264967	42264967	+	1.498E-06	7.6026E-06	0.200101	hyper	sig	chr3_42264967
chr11	1.34E+08	133575845	+	1.506E-06	7.6408E-06	-0.24175	hypo	sig	chr11_133575845
chr19	56837864	56837864	+	1.506E-06	7.6416E-06	0.228862	hyper	sig	chr19_56837864
chr14	1.01E+08	100709633	+	1.507E-06	7.6471E-06	0.222727	hyper	sig	chr14_100709633
chr17	48541901	48541901	+	1.508E-06	7.6506E-06	0.220514	hyper	sig	chr17_48541901
chr21	42352486	42352486	+	1.512E-06	7.6712E-06	-0.22702	hypo	sig	chr21_42352486
chr1	2.29E+08	228555428	+	1.518E-06	7.698E-06	0.208627	hyper	sig	chr1_228555428
chr3	1.61E+08	160757168	+	1.519E-06	7.701E-06	0.235572	hyper	sig	chr3_160757168
chr1	8356778	8356778	+	1.52E-06	7.7061E-06	0.218979	hyper	sig	chr1_8356778
chr19	403795	403795	+	1.522E-06	7.7152E-06	-0.23154	hypo	sig	chr19_403795
chr7	55078034	55078034	+	1.527E-06	7.7428E-06	-0.22455	hypo	sig	chr7_55078034
chr10	92695788	92695788	+	1.529E-06	7.7493E-06	0.214695	hyper	sig	chr10_92695788
chr16	87013435	87013435	+	1.531E-06	7.7593E-06	0.212911	hyper	sig	chr16_87013435
chr20	9506421	9506421	+	1.533E-06	7.7688E-06	0.208125	hyper	sig	chr20_9506421
chr8	1.44E+08	143739451	+	1.533E-06	7.7706E-06	-0.20704	hypo	sig	chr8_143739451
chr7	1.58E+08	157651507	+	1.536E-06	7.7831E-06	-0.24535	hypo	sig	chr7_157651507
chr1	2073693	2073693	+	1.538E-06	7.7937E-06	0.216126	hyper	sig	chr1_2073693
chr5	1.78E+08	178154447	+	1.539E-06	7.7965E-06	-0.23047	hypo	sig	chr5_178154447
chr15	63597598	63597598	+	1.542E-06	7.8121E-06	0.20635	hyper	sig	chr15_63597598
chr13	1.12E+08	112227336	+	1.544E-06	7.8214E-06	-0.23726	hypo	sig	chr13_112227336
chr11	43522618	43522618	+	1.544E-06	7.8248E-06	-0.20917	hypo	sig	chr11_43522618
chr4	930980	930980	+	1.545E-06	7.826E-06	-0.21291	hypo	sig	chr4_930980
chr6	84763453	84763453	+	1.549E-06	7.8488E-06	0.203715	hyper	sig	chr6_84763453
chr15	23180900	23180900	+	1.554E-06	7.8724E-06	-0.22092	hypo	sig	chr15_23180900
chr12	12787456	12787456	+	1.557E-06	7.8826E-06	0.205579	hyper	sig	chr12_12787456
chr19	47432457	47432457	+	1.562E-06	7.9113E-06	-0.26445	hypo	sig	chr19_47432457
chr19	359527	359527	+	1.563E-06	7.9126E-06	-0.20349	hypo	sig	chr19_359527
chr20	37521639	37521639	+	1.563E-06	7.9154E-06	0.228926	hyper	sig	chr20_37521639
chr7	1.28E+08	128201783	+	1.564E-06	7.9172E-06	0.210099	hyper	sig	chr7_128201783
chr14	37602543	37602543	+	1.567E-06	7.9313E-06	0.220385	hyper	sig	chr14_37602543
chr8	1029411	1029411	+	1.569E-06	7.9409E-06	-0.23476	hypo	sig	chr8_1029411
chr15	41514459	41514459	+	1.574E-06	7.9681E-06	0.217882	hyper	sig	chr15_41514459
chr17	79212075	79212075	+	1.579E-06	7.9919E-06	-0.20865	hypo	sig	chr17_79212075
chr7	1.58E+08	158098039	+	1.582E-06	8.0041E-06	0.210757	hyper	sig	chr7_158098039
chr3	1.54E+08	154430164	+	1.588E-06	8.0326E-06	0.235853	hyper	sig	chr3_154430164
chr10	49769058	49769058	+	1.594E-06	8.0593E-06	0.240253	hyper	sig	chr10_49769058
chr16	1991485	1991485	+	1.594E-06	8.0615E-06	0.20536	hyper	sig	chr16_1991485
chr17	50469100	50469100	+	1.594E-06	8.063E-06	0.219975	hyper	sig	chr17_50469100
chr17	48541605	48541605	+	1.597E-06	8.075E-06	0.262614	hyper	sig	chr17_48541605
chr10	71965221	71965221	+	1.601E-06	8.0927E-06	0.217071	hyper	sig	chr10_71965221
chr12	1.25E+08	124621138	+	1.601E-06	8.0929E-06	0.211329	hyper	sig	chr12_124621138
chr5	1.29E+08	129459811	+	1.601E-06	8.0929E-06	0.217536	hyper	sig	chr5_129459811
chr7	44241961	44241961	+	1.601E-06	8.0963E-06	-0.22519	hypo	sig	chr7_44241961
chr8	26040330	26040330	+	1.602E-06	8.1009E-06	0.238895	hyper	sig	chr8_26040330
chr11	55872685	55872685	+	1.606E-06	8.1179E-06	0.238954	hyper	sig	chr11_55872685
chr17	38533363	38533363	+	1.614E-06	8.1566E-06	-0.20453	hypo	sig	chr17_38533363
chr4	3683948	3683948	+	1.616E-06	8.1674E-06	-0.20097	hypo	sig	chr4_3683948

chr10	1.17E+08	117132677	+	1.618E-06	8.1755E-06	0.200445	hyper	sig	chr10_117132677
chr14	1.04E+08	103712312	+	1.622E-06	8.1929E-06	-0.2175	hypo	sig	chr14_103712312
chr17	76635909	76635909	+	1.622E-06	8.1933E-06	0.212898	hyper	sig	chr17_76635909
chr17	49973128	49973128	+	1.628E-06	8.2247E-06	0.20059	hyper	sig	chr17_49973128
chr14	1.03E+08	102545851	+	1.633E-06	8.2459E-06	0.206707	hyper	sig	chr14_102545851
chr5	50964506	50964506	+	1.638E-06	8.2729E-06	0.211269	hyper	sig	chr5_50964506
chr1	2.28E+08	228470646	+	1.642E-06	8.2929E-06	0.240159	hyper	sig	chr1_228470646
chr2	868465	868465	+	1.648E-06	8.3182E-06	0.216778	hyper	sig	chr2_868465
chr11	18412294	18412294	+	1.648E-06	8.3193E-06	0.200488	hyper	sig	chr11_18412294
chr8	1.08E+08	108132920	+	1.651E-06	8.3335E-06	-0.20607	hypo	sig	chr8_108132920
chr17	42421591	42421591	+	1.652E-06	8.34E-06	0.204496	hyper	sig	chr17_42421591
chr1	1.71E+08	170660446	+	1.653E-06	8.3434E-06	0.205251	hyper	sig	chr1_170660446
chr11	2909231	2909231	+	1.658E-06	8.3658E-06	0.212938	hyper	sig	chr11_2909231
chr16	87765056	87765056	+	1.661E-06	8.38E-06	-0.22874	hypo	sig	chr16_87765056
chr2	1.2E+08	120332514	+	1.666E-06	8.4034E-06	-0.24917	hypo	sig	chr2_120332514
chr14	99522393	99522393	+	1.671E-06	8.4264E-06	0.20471	hyper	sig	chr14_99522393
chr5	1.27E+08	126875457	+	1.671E-06	8.4269E-06	0.235774	hyper	sig	chr5_126875457
chr9	974795	974795	+	1.671E-06	8.4284E-06	0.288976	hyper	sig	chr9_974795
chr2	87972985	87972985	+	1.672E-06	8.4333E-06	-0.21772	hypo	sig	chr2_87972985
chr11	94089216	94089216	+	1.678E-06	8.4593E-06	-0.22899	hypo	sig	chr11_94089216
chr11	61777675	61777675	+	1.68E-06	8.4683E-06	0.203587	hyper	sig	chr11_61777675
chr16	561418	561418	+	1.68E-06	8.4707E-06	-0.22135	hypo	sig	chr16_561418
chr5	1.35E+08	135027616	+	1.681E-06	8.4732E-06	0.21489	hyper	sig	chr5_135027616
chr19	57708822	57708822	+	1.685E-06	8.4957E-06	0.272837	hyper	sig	chr19_57708822
chr16	30394722	30394722	+	1.686E-06	8.4984E-06	0.215349	hyper	sig	chr16_30394722
chr15	71811091	71811091	+	1.691E-06	8.5252E-06	-0.22701	hypo	sig	chr15_71811091
chr13	18943812	18943812	+	1.697E-06	8.5507E-06	-0.23232	hypo	sig	chr13_18943812
chr14	1.03E+08	102545877	+	1.704E-06	8.5851E-06	0.206599	hyper	sig	chr14_102545877
chr7	21949050	21949050	+	1.71E-06	8.6139E-06	-0.20501	hypo	sig	chr7_21949050
chr7	1.29E+08	128841204	+	1.71E-06	8.615E-06	-0.23081	hypo	sig	chr7_128841204
chr17	21397516	21397516	+	1.716E-06	8.6437E-06	0.207885	hyper	sig	chr17_21397516
chr2	96524739	96524739	+	1.72E-06	8.6589E-06	-0.20659	hypo	sig	chr2_96524739
chr16	1486556	1486556	+	1.721E-06	8.665E-06	-0.27298	hypo	sig	chr16_1486556
chr16	89576976	89576976	+	1.723E-06	8.6776E-06	0.219212	hyper	sig	chr16_89576976
chr17	81403945	81403945	+	1.724E-06	8.681E-06	0.200852	hyper	sig	chr17_81403945
chr3	1.94E+08	194255594	+	1.725E-06	8.6845E-06	-0.20198	hypo	sig	chr3_194255594
chr10	1.33E+08	133197082	+	1.725E-06	8.6859E-06	-0.20524	hypo	sig	chr10_133197082
chr1	21608269	21608269	+	1.73E-06	8.7087E-06	-0.21966	hypo	sig	chr1_21608269
chr2	1.74E+08	174344332	+	1.732E-06	8.7171E-06	0.236686	hyper	sig	chr2_174344332
chr9	1.36E+08	136250219	+	1.736E-06	8.7406E-06	0.201663	hyper	sig	chr9_136250219
chr3	13204218	13204218	+	1.742E-06	8.7655E-06	0.221268	hyper	sig	chr3_13204218
chr12	57201682	57201682	+	1.743E-06	8.7697E-06	0.201929	hyper	sig	chr12_57201682
chr9	1.34E+08	133950887	+	1.744E-06	8.7769E-06	0.230007	hyper	sig	chr9_133950887
chr2	80302562	80302562	+	1.752E-06	8.8134E-06	0.209001	hyper	sig	chr2_80302562
chr11	12009550	12009550	+	1.754E-06	8.8221E-06	0.226905	hyper	sig	chr11_12009550
chr3	1.84E+08	183694194	+	1.756E-06	8.8339E-06	-0.21874	hypo	sig	chr3_183694194
chr13	98755851	98755851	+	1.764E-06	8.87E-06	-0.23604	hypo	sig	chr13_98755851
chr1	20154147	20154147	+	1.769E-06	8.8948E-06	-0.20552	hypo	sig	chr1_20154147
chr2	66446347	66446347	+	1.769E-06	8.8951E-06	0.20676	hyper	sig	chr2_66446347
chr11	69298023	69298023	+	1.769E-06	8.8963E-06	-0.29083	hypo	sig	chr11_69298023
chr7	73363777	73363777	+	1.793E-06	9.0113E-06	-0.20587	hypo	sig	chr7_73363777
chr13	1.12E+08	112163485	+	1.795E-06	9.0189E-06	-0.25752	hypo	sig	chr13_112163485
chr12	49544321	49544321	+	1.795E-06	9.0191E-06	0.267541	hyper	sig	chr12_49544321
chr1	3594039	3594039	+	1.797E-06	9.0284E-06	-0.20432	hypo	sig	chr1_3594039
chr4	8108470	8108470	+	1.798E-06	9.0341E-06	-0.24686	hypo	sig	chr4_8108470
chr11	69822055	69822055	+	1.802E-06	9.0522E-06	0.241284	hyper	sig	chr11_69822055

chr16	1290382	1290382	+	1.802E-06	9.0524E-06	0.2303	hyper	sig	chr16_1290382
chr13	20298085	20298085	+	1.808E-06	9.0835E-06	-0.20429	hypo	sig	chr13_20298085
chr1	2.02E+08	202015132	+	1.82E-06	9.1404E-06	-0.26098	hypo	sig	chr1_202015132
chr1	1.71E+08	170666893	+	1.826E-06	9.1656E-06	0.230953	hyper	sig	chr1_170666893
chr7	195399	195399	+	1.832E-06	9.1967E-06	0.222713	hyper	sig	chr7_195399
chr16	768500	768500	+	1.834E-06	9.2054E-06	-0.21406	hypo	sig	chr16_768500
chr12	1.32E+08	131940358	+	1.836E-06	9.2164E-06	0.214314	hyper	sig	chr12_131940358
chr1	29246530	29246530	+	1.842E-06	9.2441E-06	-0.20848	hypo	sig	chr1_29246530
chr4	41745008	41745008	+	1.846E-06	9.262E-06	0.20362	hyper	sig	chr4_41745008
chr16	11129033	11129033	+	1.861E-06	9.3344E-06	0.204132	hyper	sig	chr16_11129033
chr16	795760	795760	+	1.862E-06	9.3386E-06	-0.20025	hypo	sig	chr16_795760
chr11	85934672	85934672	+	1.863E-06	9.3427E-06	0.203437	hyper	sig	chr11_85934672
chr15	67830356	67830356	+	1.863E-06	9.3442E-06	0.262007	hyper	sig	chr15_67830356
chr14	96739610	96739610	+	1.869E-06	9.3712E-06	-0.20284	hypo	sig	chr14_96739610
chr14	99659167	99659167	+	1.872E-06	9.3843E-06	-0.21994	hypo	sig	chr14_99659167
chr12	34364871	34364871	+	1.872E-06	9.3847E-06	-0.23352	hypo	sig	chr12_34364871
chr2	1.76E+08	176071876	+	1.878E-06	9.412E-06	0.209561	hyper	sig	chr2_176071876
chr15	51093590	51093590	+	1.879E-06	9.4184E-06	0.200044	hyper	sig	chr15_51093590
chr1	32769726	32769726	+	1.882E-06	9.4336E-06	-0.2082	hypo	sig	chr1_32769726
chr6	1.66E+08	165805369	+	1.883E-06	9.436E-06	0.2229	hyper	sig	chr6_165805369
chr2	2.22E+08	221571069	+	1.883E-06	9.4368E-06	0.203667	hyper	sig	chr2_221571069
chr5	1.41E+08	141332594	+	1.892E-06	9.4779E-06	0.215225	hyper	sig	chr5_141332594
chr15	65397145	65397145	+	1.892E-06	9.4782E-06	-0.20273	hypo	sig	chr15_65397145
chr2	1.09E+08	109130547	+	1.895E-06	9.4945E-06	0.225719	hyper	sig	chr2_109130547
chr3	1.82E+08	181724390	+	1.897E-06	9.5023E-06	0.205823	hyper	sig	chr3_181724390
chr1	1984966	1984966	+	1.9E-06	9.5179E-06	-0.22956	hypo	sig	chr1_1984966
chr12	1.33E+08	132689300	+	1.904E-06	9.5351E-06	-0.21078	hypo	sig	chr12_132689300
chr5	1.76E+08	176237938	+	1.908E-06	9.5572E-06	-0.20549	hypo	sig	chr5_176237938
chr13	1.14E+08	114200759	+	1.91E-06	9.5667E-06	0.214021	hyper	sig	chr13_114200759
chr6	1.68E+08	168459389	+	1.914E-06	9.5863E-06	-0.22292	hypo	sig	chr6_168459389
chr20	25584859	25584859	+	1.916E-06	9.5943E-06	0.20649	hyper	sig	chr20_25584859
chr13	1.14E+08	113656994	+	1.917E-06	9.5988E-06	-0.21263	hypo	sig	chr13_113656994
chr15	40072323	40072323	+	1.918E-06	9.6018E-06	-0.21474	hypo	sig	chr15_40072323
chr12	1629102	1629102	+	1.919E-06	9.6098E-06	0.203974	hyper	sig	chr12_1629102
chr4	7300060	7300060	+	1.921E-06	9.6186E-06	-0.20528	hypo	sig	chr4_7300060
chr19	40487806	40487806	+	1.922E-06	9.6208E-06	0.225447	hyper	sig	chr19_40487806
chr17	41774083	41774083	+	1.922E-06	9.6232E-06	-0.20078	hypo	sig	chr17_41774083
chr14	23386715	23386715	+	1.924E-06	9.6299E-06	-0.22183	hypo	sig	chr14_23386715
chr17	36792063	36792063	+	1.924E-06	9.6336E-06	0.206518	hyper	sig	chr17_36792063
chr11	73377602	73377602	+	1.925E-06	9.6349E-06	-0.21963	hypo	sig	chr11_73377602
chr20	29764888	29764888	+	1.926E-06	9.6406E-06	0.22466	hyper	sig	chr20_29764888
chr19	18225556	18225556	+	1.926E-06	9.6411E-06	0.202903	hyper	sig	chr19_18225556
chr10	26647557	26647557	+	1.927E-06	9.6438E-06	-0.23201	hypo	sig	chr10_26647557
chr19	50717203	50717203	+	1.93E-06	9.6597E-06	-0.21506	hypo	sig	chr19_50717203
chr11	1443578	1443578	+	1.936E-06	9.6896E-06	-0.2273	hypo	sig	chr11_1443578
chr3	1.98E+08	197520060	+	1.938E-06	9.6961E-06	-0.21344	hypo	sig	chr3_197520060
chr17	36940679	36940679	+	1.942E-06	9.7185E-06	0.208542	hyper	sig	chr17_36940679
chr2	1.76E+08	176083334	+	1.943E-06	9.7223E-06	0.214993	hyper	sig	chr2_176083334
chr17	72116724	72116724	+	1.945E-06	9.7321E-06	0.212286	hyper	sig	chr17_72116724
chr16	843059	843059	+	1.948E-06	9.7441E-06	-0.25679	hypo	sig	chr16_843059
chr9	1.21E+08	120894400	+	1.949E-06	9.7477E-06	0.224111	hyper	sig	chr9_120894400
chr2	2.42E+08	241950605	+	1.953E-06	9.7679E-06	-0.22387	hypo	sig	chr2_241950605
chr11	1869761	1869761	+	1.953E-06	9.7704E-06	-0.25349	hypo	sig	chr11_1869761
chr7	1.01E+08	100605991	+	1.954E-06	9.7752E-06	0.207672	hyper	sig	chr7_100605991
chr12	85279422	85279422	+	1.956E-06	9.781E-06	0.211897	hyper	sig	chr12_85279422
chr5	1.41E+08	141442081	+	1.956E-06	9.7825E-06	0.200728	hyper	sig	chr5_141442081

chr13	20415226	20415226	+	1.957E-06	9.786E-06	0.231762	hyper	sig	chr13_20415226
chr16	88151494	88151494	+	1.959E-06	9.7955E-06	-0.20046	hypo	sig	chr16_88151494
chr12	1.32E+08	132380267	+	1.962E-06	9.8124E-06	-0.2007	hypo	sig	chr12_132380267
chr8	23706001	23706001	+	1.963E-06	9.8168E-06	0.215013	hyper	sig	chr8_23706001
chr2	24175045	24175045	+	1.97E-06	9.8497E-06	0.28838	hyper	sig	chr2_24175045
chr14	69850134	69850134	+	1.977E-06	9.8823E-06	-0.20821	hypo	sig	chr14_69850134
chr20	25584861	25584861	+	1.979E-06	9.891E-06	0.210931	hyper	sig	chr20_25584861
chr1	21427572	21427572	+	1.98E-06	9.8933E-06	-0.20528	hypo	sig	chr1_21427572
chr2	66438286	66438286	+	1.985E-06	9.9205E-06	0.203425	hyper	sig	chr2_66438286
chr1	2405282	2405282	+	1.989E-06	9.9389E-06	0.214269	hyper	sig	chr1_2405282
chr2	1.92E+08	192195683	+	1.992E-06	9.95E-06	0.23482	hyper	sig	chr2_192195683
chr9	1.37E+08	137049179	+	2.004E-06	1.001E-05	0.235975	hyper	sig	chr9_137049179
chr1	3771600	3771600	+	2.011E-06	1.0044E-05	0.20713	hyper	sig	chr1_3771600
chr2	1.15E+08	115163318	+	2.017E-06	1.0068E-05	0.201804	hyper	sig	chr2_115163318
chr11	64870654	64870654	+	2.017E-06	1.0069E-05	0.217747	hyper	sig	chr11_64870654
chr5	2005805	2005805	+	2.017E-06	1.0069E-05	0.223992	hyper	sig	chr5_2005805
chr11	8339857	8339857	+	2.02E-06	1.0084E-05	-0.24669	hypo	sig	chr11_8339857
chr4	3253199	3253199	+	2.031E-06	1.0135E-05	-0.2293	hypo	sig	chr4_3253199
chr12	54034313	54034313	+	2.032E-06	1.0141E-05	0.209383	hyper	sig	chr12_54034313
chr11	64747267	64747267	+	2.036E-06	1.0158E-05	-0.22886	hypo	sig	chr11_64747267
chr14	1.01E+08	100852446	+	2.036E-06	1.0158E-05	-0.21873	hypo	sig	chr14_100852446
chr21	44933716	44933716	+	2.036E-06	1.0159E-05	-0.20299	hypo	sig	chr21_44933716
chr15	78626130	78626130	+	2.037E-06	1.0163E-05	-0.2429	hypo	sig	chr15_78626130
chr7	1.51E+08	151174926	+	2.039E-06	1.0176E-05	0.217109	hyper	sig	chr7_151174926
chr11	14905192	14905192	+	2.041E-06	1.0183E-05	0.234228	hyper	sig	chr11_14905192
chr13	1.13E+08	113159379	+	2.044E-06	1.0199E-05	0.233523	hyper	sig	chr13_113159379
chr6	1.34E+08	134115573	+	2.051E-06	1.0232E-05	0.227042	hyper	sig	chr6_134115573
chr12	31077929	31077929	+	2.057E-06	1.026E-05	-0.22165	hypo	sig	chr12_31077929
chr13	1.13E+08	112651326	+	2.059E-06	1.0265E-05	-0.21813	hypo	sig	chr13_112651326
chr7	983503	983503	+	2.068E-06	1.0307E-05	0.2138	hyper	sig	chr7_983503
chr7	1.3E+08	130491001	+	2.068E-06	1.0308E-05	0.219104	hyper	sig	chr7_130491001
chr1	50425029	50425029	+	2.068E-06	1.0309E-05	0.211083	hyper	sig	chr1_50425029
chr6	41600024	41600024	+	2.069E-06	1.0315E-05	0.21525	hyper	sig	chr6_41600024
chr7	1.3E+08	130490932	+	2.077E-06	1.0354E-05	0.203065	hyper	sig	chr7_130490932
chr1	21608266	21608266	+	2.08E-06	1.0364E-05	-0.20908	hypo	sig	chr1_21608266
chr7	44963320	44963320	+	2.091E-06	1.0416E-05	0.227884	hyper	sig	chr7_44963320
chr5	346961	346961	+	2.095E-06	1.0436E-05	-0.20186	hypo	sig	chr5_346961
chr16	67653956	67653956	+	2.095E-06	1.0437E-05	0.208602	hyper	sig	chr16_67653956
chr16	2497636	2497636	+	2.095E-06	1.0438E-05	0.21396	hyper	sig	chr16_2497636
chr4	13547087	13547087	+	2.101E-06	1.0467E-05	0.200313	hyper	sig	chr4_13547087
chr14	37611412	37611412	+	2.101E-06	1.0467E-05	0.264881	hyper	sig	chr14_37611412
chr2	2.23E+08	223053307	+	2.102E-06	1.0467E-05	0.201071	hyper	sig	chr2_223053307
chr3	62373910	62373910	+	2.107E-06	1.0492E-05	0.22881	hyper	sig	chr3_62373910
chr10	1.28E+08	127741942	+	2.11E-06	1.0507E-05	-0.20306	hypo	sig	chr10_127741942
chr6	1.69E+08	169162265	+	2.114E-06	1.0527E-05	-0.22268	hypo	sig	chr6_169162265
chr7	1234472	1234472	+	2.134E-06	1.062E-05	0.21275	hyper	sig	chr7_1234472
chr15	70089140	70089140	+	2.145E-06	1.0671E-05	0.245059	hyper	sig	chr15_70089140
chr2	2.39E+08	239183316	+	2.148E-06	1.0685E-05	-0.22329	hypo	sig	chr2_239183316
chr3	14573276	14573276	+	2.15E-06	1.0697E-05	-0.23183	hypo	sig	chr3_14573276
chr10	80461759	80461759	+	2.152E-06	1.0707E-05	-0.22305	hypo	sig	chr10_80461759
chr1	1060904	1060904	+	2.153E-06	1.0708E-05	-0.20707	hypo	sig	chr1_1060904
chr16	88324503	88324503	+	2.16E-06	1.0744E-05	-0.22517	hypo	sig	chr16_88324503
chr17	79048357	79048357	+	2.205E-06	1.0952E-05	-0.2054	hypo	sig	chr17_79048357
chr9	1.33E+08	133200292	+	2.209E-06	1.0974E-05	0.209464	hyper	sig	chr9_133200292
chr16	813595	813595	+	2.212E-06	1.0988E-05	0.203121	hyper	sig	chr16_813595
chr11	94400946	94400946	+	2.235E-06	1.1094E-05	0.210469	hyper	sig	chr11_94400946

chr2	2.39E+08	239483722	+	2.241E-06	1.112E-05	-0.23923	hypo	sig	chr2_239483722
chr20	3750269	3750269	+	2.245E-06	1.1141E-05	0.202705	hyper	sig	chr20_3750269
chr20	37524906	37524906	+	2.255E-06	1.1187E-05	-0.20119	hypo	sig	chr20_37524906
chr20	41362306	41362306	+	2.261E-06	1.1214E-05	-0.20106	hypo	sig	chr20_41362306
chr1	2.27E+08	226736958	+	2.263E-06	1.1223E-05	0.281276	hyper	sig	chr1_226736958
chr11	63554029	63554029	+	2.267E-06	1.1244E-05	-0.22486	hypo	sig	chr11_63554029
chr20	63546092	63546092	+	2.27E-06	1.1257E-05	-0.21493	hypo	sig	chr20_63546092
chr16	88334775	88334775	+	2.276E-06	1.1287E-05	-0.21985	hypo	sig	chr16_88334775
chr7	6528791	6528791	+	2.279E-06	1.13E-05	-0.24472	hypo	sig	chr7_6528791
chr7	30476811	30476811	+	2.28E-06	1.1304E-05	-0.23124	hypo	sig	chr7_30476811
chr7	95773415	95773415	+	2.285E-06	1.1327E-05	0.251641	hyper	sig	chr7_95773415
chr17	82243110	82243110	+	2.291E-06	1.1355E-05	0.203406	hyper	sig	chr17_82243110
chr10	84231888	84231888	+	2.298E-06	1.1389E-05	-0.21513	hypo	sig	chr10_84231888
chr1	16859798	16859798	+	2.299E-06	1.1392E-05	0.231302	hyper	sig	chr1_16859798
chr3	1.96E+08	196142794	+	2.303E-06	1.1415E-05	-0.20128	hypo	sig	chr3_196142794
chr6	1.66E+08	165854317	+	2.307E-06	1.1432E-05	0.228836	hyper	sig	chr6_165854317
chr17	1005778	1005778	+	2.309E-06	1.144E-05	0.20649	hyper	sig	chr17_1005778
chr3	9955418	9955418	+	2.319E-06	1.149E-05	0.212526	hyper	sig	chr3_9955418
chr1	1110671	1110671	+	2.321E-06	1.1498E-05	-0.20079	hypo	sig	chr1_1110671
chr6	43276248	43276248	+	2.324E-06	1.151E-05	-0.21564	hypo	sig	chr6_43276248
chr1	1942392	1942392	+	2.326E-06	1.152E-05	-0.21355	hypo	sig	chr1_1942392
chr3	13933343	13933343	+	2.331E-06	1.1544E-05	0.222989	hyper	sig	chr3_13933343
chr6	24126254	24126254	+	2.336E-06	1.1567E-05	0.223998	hyper	sig	chr6_24126254
chr7	2512043	2512043	+	2.34E-06	1.1586E-05	-0.21963	hypo	sig	chr7_2512043
chr10	1.33E+08	133169012	+	2.355E-06	1.1658E-05	-0.20422	hypo	sig	chr10_133169012
chr19	17998116	17998116	+	2.356E-06	1.1661E-05	-0.21234	hypo	sig	chr19_17998116
chr6	1.28E+08	127518741	+	2.357E-06	1.1666E-05	0.210664	hyper	sig	chr6_127518741
chr18	78547329	78547329	+	2.358E-06	1.1669E-05	-0.21852	hypo	sig	chr18_78547329
chr16	920225	920225	+	2.366E-06	1.1706E-05	0.213263	hyper	sig	chr16_920225
chr19	611468	611468	+	2.366E-06	1.1707E-05	-0.20837	hypo	sig	chr19_611468
chr1	1.71E+08	170667053	+	2.378E-06	1.1765E-05	0.205318	hyper	sig	chr1_170667053
chr15	85264733	85264733	+	2.392E-06	1.1828E-05	-0.22039	hypo	sig	chr15_85264733
chr15	92393137	92393137	+	2.396E-06	1.1848E-05	0.215288	hyper	sig	chr15_92393137
chr1	11042945	11042945	+	2.398E-06	1.1854E-05	-0.21479	hypo	sig	chr1_11042945
chr16	31820029	31820029	+	2.398E-06	1.1858E-05	-0.22246	hypo	sig	chr16_31820029
chr1	21591058	21591058	+	2.406E-06	1.1894E-05	-0.2037	hypo	sig	chr1_21591058
chr7	1.58E+08	158479052	+	2.417E-06	1.1945E-05	-0.23026	hypo	sig	chr7_158479052
chr16	1447401	1447401	+	2.42E-06	1.1958E-05	-0.25338	hypo	sig	chr16_1447401
chr2	1.39E+08	138781292	+	2.425E-06	1.1981E-05	0.208514	hyper	sig	chr2_138781292
chr16	1427935	1427935	+	2.429E-06	1.2002E-05	-0.25327	hypo	sig	chr16_1427935
chr5	1549452	1549452	+	2.434E-06	1.2022E-05	-0.20513	hypo	sig	chr5_1549452
chr19	1402627	1402627	+	2.434E-06	1.2023E-05	-0.22976	hypo	sig	chr19_1402627
chr7	1.01E+08	100965547	+	2.442E-06	1.2062E-05	0.215171	hyper	sig	chr7_100965547
chr5	957891	957891	+	2.444E-06	1.2068E-05	-0.25033	hypo	sig	chr5_957891
chr19	56642777	56642777	+	2.447E-06	1.2086E-05	0.212261	hyper	sig	chr19_56642777
chr16	10918540	10918540	+	2.45E-06	1.2101E-05	0.21781	hyper	sig	chr16_10918540
chr11	65354112	65354112	+	2.452E-06	1.211E-05	0.20119	hyper	sig	chr11_65354112
chr11	1040394	1040394	+	2.455E-06	1.2119E-05	-0.23044	hypo	sig	chr11_1040394
chr1	15761183	15761183	+	2.467E-06	1.2178E-05	0.212153	hyper	sig	chr1_15761183
chr6	1607218	1607218	+	2.478E-06	1.2228E-05	0.244483	hyper	sig	chr6_1607218
chr6	33974636	33974636	+	2.479E-06	1.2232E-05	0.212403	hyper	sig	chr6_33974636
chr12	1.31E+08	131088176	+	2.486E-06	1.2266E-05	-0.22079	hypo	sig	chr12_131088176
chr1	1.62E+08	162020100	+	2.49E-06	1.2285E-05	-0.20311	hypo	sig	chr1_162020100
chr1	2.03E+08	203166847	+	2.492E-06	1.2292E-05	-0.21708	hypo	sig	chr1_203166847
chr20	63400329	63400329	+	2.492E-06	1.2294E-05	-0.2127	hypo	sig	chr20_63400329
chr7	1746931	1746931	+	2.495E-06	1.2307E-05	-0.21656	hypo	sig	chr7_1746931

chr14	68977014	68977014	+	2.497E-06	1.2315E-05	0.242609	hyper	sig	chr14_68977014
chr21	44655043	44655043	+	2.502E-06	1.2343E-05	-0.21145	hypo	sig	chr21_44655043
chr4	1599479	1599479	+	2.504E-06	1.2348E-05	-0.21145	hypo	sig	chr4_1599479
chr19	45553863	45553863	+	2.509E-06	1.2371E-05	0.222298	hyper	sig	chr19_45553863
chr20	45972883	45972883	+	2.513E-06	1.2393E-05	-0.20142	hypo	sig	chr20_45972883
chr13	50127755	50127755	+	2.524E-06	1.2443E-05	0.227207	hyper	sig	chr13_50127755
chr2	2.42E+08	241797713	+	2.529E-06	1.2465E-05	0.200982	hyper	sig	chr2_241797713
chr3	1.27E+08	127390874	+	2.531E-06	1.2477E-05	-0.24115	hypo	sig	chr3_127390874
chr3	1.38E+08	137762103	+	2.537E-06	1.2505E-05	0.260268	hyper	sig	chr3_137762103
chr17	7467285	7467285	+	2.541E-06	1.2521E-05	-0.2087	hypo	sig	chr17_7467285
chr12	6556021	6556021	+	2.541E-06	1.2523E-05	0.211362	hyper	sig	chr12_6556021
chr19	401121	401121	+	2.544E-06	1.2537E-05	-0.2037	hypo	sig	chr19_401121
chr15	26670630	26670630	+	2.559E-06	1.261E-05	-0.22222	hypo	sig	chr15_26670630
chr5	1.81E+08	180740724	+	2.569E-06	1.2655E-05	-0.21365	hypo	sig	chr5_180740724
chr3	49111503	49111503	+	2.573E-06	1.2671E-05	0.269643	hyper	sig	chr3_49111503
chr19	802931	802931	+	2.578E-06	1.2695E-05	0.216267	hyper	sig	chr19_802931
chr5	1099620	1099620	+	2.579E-06	1.2701E-05	0.234526	hyper	sig	chr5_1099620
chr16	57798088	57798088	+	2.587E-06	1.274E-05	-0.2332	hypo	sig	chr16_57798088
chr19	1734259	1734259	+	2.594E-06	1.277E-05	0.218512	hyper	sig	chr19_1734259
chr7	6526301	6526301	+	2.597E-06	1.2786E-05	0.28665	hyper	sig	chr7_6526301
chr5	1546703	1546703	+	2.598E-06	1.279E-05	-0.22104	hypo	sig	chr5_1546703
chr16	1534160	1534160	+	2.599E-06	1.2797E-05	0.203752	hyper	sig	chr16_1534160
chr21	34890599	34890599	+	2.601E-06	1.2804E-05	-0.23615	hypo	sig	chr21_34890599
chr10	369997	369997	+	2.617E-06	1.2879E-05	0.227274	hyper	sig	chr10_369997
chr8	1.43E+08	143157256	+	2.619E-06	1.2889E-05	-0.22187	hypo	sig	chr8_143157256
chr17	50185687	50185687	+	2.621E-06	1.29E-05	0.240913	hyper	sig	chr17_50185687
chr3	1.39E+08	139006583	+	2.625E-06	1.2918E-05	0.206795	hyper	sig	chr3_139006583
chr7	97003661	97003661	+	2.632E-06	1.2951E-05	0.204128	hyper	sig	chr7_97003661
chr12	75208155	75208155	+	2.637E-06	1.2973E-05	0.204616	hyper	sig	chr12_75208155
chr11	49893807	49893807	+	2.644E-06	1.3008E-05	-0.22288	hypo	sig	chr11_49893807
chr1	77888366	77888366	+	2.648E-06	1.3024E-05	0.210507	hyper	sig	chr1_77888366
chr19	18097493	18097493	+	2.649E-06	1.3028E-05	-0.2284	hypo	sig	chr19_18097493
chr7	74043417	74043417	+	2.653E-06	1.305E-05	0.233919	hyper	sig	chr7_74043417
chr1	90841430	90841430	+	2.66E-06	1.308E-05	0.244763	hyper	sig	chr1_90841430
chr16	88186782	88186782	+	2.662E-06	1.309E-05	0.204807	hyper	sig	chr16_88186782
chr4	80201533	80201533	+	2.669E-06	1.3123E-05	0.212797	hyper	sig	chr4_80201533
chr13	1.12E+08	111961341	+	2.67E-06	1.3125E-05	-0.27701	hypo	sig	chr13_111961341
chr17	80471070	80471070	+	2.674E-06	1.3144E-05	-0.21649	hypo	sig	chr17_80471070
chr18	78878494	78878494	+	2.682E-06	1.3183E-05	-0.2092	hypo	sig	chr18_78878494
chr5	1.78E+08	178154443	+	2.686E-06	1.3199E-05	-0.24044	hypo	sig	chr5_178154443
chr11	2826303	2826303	+	2.689E-06	1.3216E-05	0.214789	hyper	sig	chr11_2826303
chr6	1.68E+08	168197070	+	2.697E-06	1.3252E-05	-0.23124	hypo	sig	chr6_168197070
chr19	49210388	49210388	+	2.698E-06	1.3256E-05	0.229415	hyper	sig	chr19_49210388
chr5	1289917	1289917	+	2.71E-06	1.3312E-05	-0.20553	hypo	sig	chr5_1289917
chr19	49058286	49058286	+	2.716E-06	1.3341E-05	0.259213	hyper	sig	chr19_49058286
chr16	2034115	2034115	+	2.722E-06	1.3368E-05	0.209764	hyper	sig	chr16_2034115
chr5	1.41E+08	141376482	+	2.725E-06	1.3384E-05	0.204893	hyper	sig	chr5_141376482
chr20	37521646	37521646	+	2.728E-06	1.3395E-05	0.221885	hyper	sig	chr20_37521646
chr8	41623088	41623088	+	2.733E-06	1.3422E-05	-0.20774	hypo	sig	chr8_41623088
chr14	75979766	75979766	+	2.745E-06	1.3474E-05	0.205224	hyper	sig	chr14_75979766
chr2	1.49E+08	148553342	+	2.75E-06	1.35E-05	-0.20506	hypo	sig	chr2_148553342
chr5	1.79E+08	179347759	+	2.759E-06	1.3542E-05	-0.23368	hypo	sig	chr5_179347759
chr14	76465712	76465712	+	2.762E-06	1.3553E-05	-0.20532	hypo	sig	chr14_76465712
chr3	13933303	13933303	+	2.765E-06	1.3568E-05	0.22318	hyper	sig	chr3_13933303
chr6	71585479	71585479	+	2.777E-06	1.3622E-05	0.211281	hyper	sig	chr6_71585479
chr5	531280	531280	+	2.782E-06	1.3648E-05	0.221844	hyper	sig	chr5_531280

chr1	13700879	13700879	+	2.783E-06	1.3653E-05	0.234516	hyper	sig	chr1_13700879
chr4	1615502	1615502	+	2.787E-06	1.3672E-05	-0.21987	hypo	sig	chr4_1615502
chr2	1.72E+08	172092955	+	2.789E-06	1.368E-05	0.241612	hyper	sig	chr2_172092955
chr19	50607954	50607954	+	2.806E-06	1.3758E-05	0.203108	hyper	sig	chr19_50607954
chr17	30235481	30235481	+	2.808E-06	1.3767E-05	0.23504	hyper	sig	chr17_30235481
chr19	13962432	13962432	+	2.813E-06	1.3791E-05	0.208048	hyper	sig	chr19_13962432
chr2	42492742	42492742	+	2.815E-06	1.3802E-05	0.25708	hyper	sig	chr2_42492742
chr12	52602957	52602957	+	2.826E-06	1.3851E-05	-0.20261	hypo	sig	chr12_52602957
chr16	49273212	49273212	+	2.846E-06	1.3942E-05	-0.20237	hypo	sig	chr16_49273212
chr18	48408097	48408097	+	2.851E-06	1.3968E-05	0.21323	hyper	sig	chr18_48408097
chr2	47008996	47008996	+	2.853E-06	1.3975E-05	0.234127	hyper	sig	chr2_47008996
chr13	52195891	52195891	+	2.858E-06	1.3996E-05	0.200726	hyper	sig	chr13_52195891
chr4	1.41E+08	140635839	+	2.859E-06	1.4005E-05	-0.2011	hypo	sig	chr4_140635839
chr4	1.54E+08	153651789	+	2.865E-06	1.403E-05	-0.20315	hypo	sig	chr4_153651789
chr22	31139686	31139686	+	2.879E-06	1.4095E-05	-0.20806	hypo	sig	chr22_31139686
chr12	1.31E+08	131380835	+	2.897E-06	1.418E-05	0.207287	hyper	sig	chr12_131380835
chr16	88442623	88442623	+	2.9E-06	1.4194E-05	-0.21984	hypo	sig	chr16_88442623
chr5	1.29E+08	129459821	+	2.901E-06	1.4199E-05	0.205872	hyper	sig	chr5_129459821
chr7	610667	610667	+	2.911E-06	1.4244E-05	0.207018	hyper	sig	chr7_610667
chr1	2.26E+08	226127238	+	2.917E-06	1.4274E-05	-0.21672	hypo	sig	chr1_226127238
chr10	1.3E+08	130129227	+	2.919E-06	1.4279E-05	0.215466	hyper	sig	chr10_130129227
chr20	64095769	64095769	+	2.921E-06	1.429E-05	-0.20731	hypo	sig	chr20_64095769
chr7	935180	935180	+	2.933E-06	1.4343E-05	0.205832	hyper	sig	chr7_935180
chr5	1.78E+08	178154441	+	2.936E-06	1.4359E-05	-0.23306	hypo	sig	chr5_178154441
chr7	2104878	2104878	+	2.944E-06	1.4394E-05	0.223319	hyper	sig	chr7_2104878
chr12	34300830	34300830	+	2.95E-06	1.4424E-05	-0.20602	hypo	sig	chr12_34300830
chr9	93954159	93954159	+	2.951E-06	1.4428E-05	0.226891	hyper	sig	chr9_93954159
chr20	37521685	37521685	+	2.957E-06	1.4453E-05	0.206288	hyper	sig	chr20_37521685
chr7	1056136	1056136	+	2.96E-06	1.4469E-05	0.200665	hyper	sig	chr7_1056136
chr12	43572101	43572101	+	2.978E-06	1.4553E-05	0.259374	hyper	sig	chr12_43572101
chr16	85302228	85302228	+	3.019E-06	1.4743E-05	-0.21709	hypo	sig	chr16_85302228
chr6	1523955	1523955	+	3.031E-06	1.4798E-05	0.203523	hyper	sig	chr6_1523955
chr8	37842397	37842397	+	3.032E-06	1.4802E-05	-0.20749	hypo	sig	chr8_37842397
chr12	53096842	53096842	+	3.034E-06	1.4809E-05	0.23034	hyper	sig	chr12_53096842
chr4	54229094	54229094	+	3.034E-06	1.4812E-05	0.211917	hyper	sig	chr4_54229094
chr5	1.35E+08	135050469	+	3.037E-06	1.4825E-05	0.211941	hyper	sig	chr5_135050469
chr2	1.56E+08	156329379	+	3.038E-06	1.4829E-05	0.22314	hyper	sig	chr2_156329379
chr15	39933474	39933474	+	3.043E-06	1.4852E-05	-0.24184	hypo	sig	chr15_39933474
chr19	5292314	5292314	+	3.064E-06	1.4948E-05	0.228865	hyper	sig	chr19_5292314
chr16	85481116	85481116	+	3.069E-06	1.4974E-05	-0.22096	hypo	sig	chr16_85481116
chr14	96615668	96615668	+	3.077E-06	1.501E-05	-0.20145	hypo	sig	chr14_96615668
chr6	40586764	40586764	+	3.078E-06	1.5013E-05	0.233026	hyper	sig	chr6_40586764
chr12	54364761	54364761	+	3.084E-06	1.5041E-05	-0.20845	hypo	sig	chr12_54364761
chr5	1.77E+08	177400846	+	3.094E-06	1.5088E-05	0.228986	hyper	sig	chr5_177400846
chr19	38774188	38774188	+	3.095E-06	1.5091E-05	-0.20402	hypo	sig	chr19_38774188
chr2	26174311	26174311	+	3.098E-06	1.5109E-05	0.21267	hyper	sig	chr2_26174311
chr7	162890	162890	+	3.103E-06	1.5129E-05	0.216759	hyper	sig	chr7_162890
chr1	930244	930244	+	3.11E-06	1.516E-05	-0.20077	hypo	sig	chr1_930244
chr9	84102454	84102454	+	3.117E-06	1.5193E-05	0.240519	hyper	sig	chr9_84102454
chr22	37024250	37024250	+	3.127E-06	1.5239E-05	-0.21118	hypo	sig	chr22_37024250
chr4	1.34E+08	134201363	+	3.136E-06	1.5279E-05	0.215737	hyper	sig	chr4_134201363
chr1	35578032	35578032	+	3.138E-06	1.5289E-05	0.207212	hyper	sig	chr1_35578032
chr19	45156347	45156347	+	3.148E-06	1.5337E-05	0.200273	hyper	sig	chr19_45156347
chr7	44239674	44239674	+	3.155E-06	1.537E-05	-0.23651	hypo	sig	chr7_44239674
chr15	96343665	96343665	+	3.163E-06	1.5407E-05	-0.21181	hypo	sig	chr15_96343665
chr11	67524060	67524060	+	3.164E-06	1.5412E-05	-0.2342	hypo	sig	chr11_67524060

chr17	82384602	82384602	+	3.172E-06	1.5446E-05	-0.23588	hypo	sig	chr17_82384602
chr5	1.41E+08	141345489	+	3.18E-06	1.5481E-05	0.238204	hyper	sig	chr5_141345489
chr3	1.13E+08	113210868	+	3.195E-06	1.5553E-05	0.250452	hyper	sig	chr3_113210868
chr10	1E+08	100349145	+	3.199E-06	1.5572E-05	-0.21566	hypo	sig	chr10_100349145
chr1	1.1E+08	109712040	+	3.201E-06	1.5581E-05	0.200327	hyper	sig	chr1_109712040
chr5	1.71E+08	171450487	+	3.203E-06	1.5589E-05	-0.2148	hypo	sig	chr5_171450487
chr14	74934017	74934017	+	3.212E-06	1.563E-05	-0.2016	hypo	sig	chr14_74934017
chr17	49496202	49496202	+	3.216E-06	1.5648E-05	0.23116	hyper	sig	chr17_49496202
chr17	20585683	20585683	+	3.22E-06	1.567E-05	-0.20333	hypo	sig	chr17_20585683
chr10	99234404	99234404	+	3.227E-06	1.5699E-05	0.220979	hyper	sig	chr10_99234404
chr14	23407648	23407648	+	3.233E-06	1.573E-05	-0.24793	hypo	sig	chr14_23407648
chr15	76342168	76342168	+	3.242E-06	1.5768E-05	-0.2139	hypo	sig	chr15_76342168
chr19	18834281	18834281	+	3.248E-06	1.5795E-05	-0.21026	hypo	sig	chr19_18834281
chr19	3823238	3823238	+	3.248E-06	1.5799E-05	-0.24179	hypo	sig	chr19_3823238
chr12	1.13E+08	113473432	+	3.253E-06	1.5822E-05	0.23022	hyper	sig	chr12_113473432
chr3	1.23E+08	122912906	+	3.258E-06	1.5841E-05	0.217038	hyper	sig	chr3_122912906
chr2	20214435	20214435	+	3.265E-06	1.5874E-05	-0.21842	hypo	sig	chr2_20214435
chr12	6556083	6556083	+	3.27E-06	1.5899E-05	0.204028	hyper	sig	chr12_6556083
chr19	23471054	23471054	+	3.271E-06	1.5904E-05	0.217805	hyper	sig	chr19_23471054
chr12	19942219	19942219	+	3.273E-06	1.5912E-05	-0.274	hypo	sig	chr12_19942219
chr15	57372389	57372389	+	3.274E-06	1.5917E-05	-0.21038	hypo	sig	chr15_57372389
chr7	87935304	87935304	+	3.283E-06	1.5957E-05	0.20411	hyper	sig	chr7_87935304
chr2	2.23E+08	223053318	+	3.299E-06	1.6032E-05	0.212278	hyper	sig	chr2_223053318
chr1	18725718	18725718	+	3.302E-06	1.6046E-05	0.220178	hyper	sig	chr1_18725718
chr7	27113372	27113372	+	3.308E-06	1.6072E-05	0.275727	hyper	sig	chr7_27113372
chr21	10614607	10614607	+	3.317E-06	1.6116E-05	-0.2092	hypo	sig	chr21_10614607
chr2	1.14E+08	113980045	+	3.342E-06	1.6228E-05	0.212414	hyper	sig	chr2_113980045
chr3	1.25E+08	125141888	+	3.343E-06	1.6233E-05	0.231877	hyper	sig	chr3_125141888
chr2	85431050	85431050	+	3.363E-06	1.6326E-05	0.204257	hyper	sig	chr2_85431050
chr20	25083716	25083716	+	3.364E-06	1.6329E-05	0.251558	hyper	sig	chr20_25083716
chr19	12841423	12841423	+	3.371E-06	1.6361E-05	0.223042	hyper	sig	chr19_12841423
chr2	24175050	24175050	+	3.374E-06	1.6377E-05	0.262157	hyper	sig	chr2_24175050
chr6	30883861	30883861	+	3.385E-06	1.6425E-05	-0.21691	hypo	sig	chr6_30883861
chr6	1.7E+08	170280324	+	3.387E-06	1.6434E-05	-0.21481	hypo	sig	chr6_170280324
chr14	96739690	96739690	+	3.387E-06	1.6434E-05	-0.21366	hypo	sig	chr14_96739690
chr11	61773482	61773482	+	3.393E-06	1.646E-05	0.214199	hyper	sig	chr11_61773482
chr8	21768574	21768574	+	3.394E-06	1.6464E-05	-0.20427	hypo	sig	chr8_21768574
chr17	48541616	48541616	+	3.402E-06	1.6501E-05	0.265885	hyper	sig	chr17_48541616
chr12	51080280	51080280	+	3.421E-06	1.659E-05	0.208873	hyper	sig	chr12_51080280
chr22	44934463	44934463	+	3.43E-06	1.6629E-05	-0.21172	hypo	sig	chr22_44934463
chr2	70889273	70889273	+	3.431E-06	1.6634E-05	0.200454	hyper	sig	chr2_70889273
chr1	39492748	39492748	+	3.444E-06	1.6696E-05	-0.20577	hypo	sig	chr1_39492748
chr16	87067257	87067257	+	3.446E-06	1.6704E-05	-0.21561	hypo	sig	chr16_87067257
chr1	1.1E+08	109617343	+	3.448E-06	1.6713E-05	-0.21692	hypo	sig	chr1_109617343
chr19	55648765	55648765	+	3.451E-06	1.6728E-05	0.250769	hyper	sig	chr19_55648765
chr7	76962798	76962798	+	3.46E-06	1.6766E-05	-0.2254	hypo	sig	chr7_76962798
chr2	47521909	47521909	+	3.461E-06	1.6772E-05	0.207544	hyper	sig	chr2_47521909
chr16	3190096	3190096	+	3.463E-06	1.678E-05	0.232863	hyper	sig	chr16_3190096
chr20	45316835	45316835	+	3.489E-06	1.6901E-05	0.262791	hyper	sig	chr20_45316835
chr19	40225970	40225970	+	3.491E-06	1.691E-05	0.202695	hyper	sig	chr19_40225970
chr16	729108	729108	+	3.501E-06	1.6957E-05	0.231813	hyper	sig	chr16_729108
chr12	49544305	49544305	+	3.508E-06	1.6985E-05	0.227585	hyper	sig	chr12_49544305
chr1	1203551	1203551	+	3.525E-06	1.7065E-05	-0.20263	hypo	sig	chr1_1203551
chr12	1834754	1834754	+	3.529E-06	1.708E-05	-0.22812	hypo	sig	chr12_1834754
chr2	1.76E+08	176083161	+	3.542E-06	1.714E-05	0.207314	hyper	sig	chr2_176083161
chr2	2.18E+08	218382202	+	3.545E-06	1.7154E-05	-0.20721	hypo	sig	chr2_218382202

chr6	1.69E+08	169424158	+	3.549E-06	1.7175E-05	-0.20108	hypo	sig	chr6_169424158
chr5	1.41E+08	141442072	+	3.555E-06	1.7199E-05	0.209725	hyper	sig	chr5_141442072
chr14	60653564	60653564	+	3.555E-06	1.72E-05	0.217579	hyper	sig	chr14_60653564
chr11	61742609	61742609	+	3.56E-06	1.722E-05	-0.21306	hypo	sig	chr11_61742609
chr7	1.5E+08	149501962	+	3.577E-06	1.7298E-05	-0.20799	hypo	sig	chr7_149501962
chr9	1.35E+08	135244567	+	3.584E-06	1.7332E-05	-0.22799	hypo	sig	chr9_135244567
chr11	655620	655620	+	3.593E-06	1.7372E-05	-0.20263	hypo	sig	chr11_655620
chr2	66446200	66446200	+	3.593E-06	1.7375E-05	0.209869	hyper	sig	chr2_66446200
chr17	789885	789885	+	3.599E-06	1.7398E-05	0.202605	hyper	sig	chr17_789885
chr8	8782576	8782576	+	3.62E-06	1.7495E-05	-0.20463	hypo	sig	chr8_8782576
chr16	54291296	54291296	+	3.62E-06	1.7497E-05	0.21795	hyper	sig	chr16_54291296
chr1	2.28E+08	228035706	+	3.639E-06	1.7581E-05	-0.22636	hypo	sig	chr1_228035706
chr12	1.32E+08	131710490	+	3.656E-06	1.7659E-05	0.237193	hyper	sig	chr12_131710490
chr12	34394154	34394154	+	3.664E-06	1.7698E-05	-0.22579	hypo	sig	chr12_34394154
chr11	1.34E+08	134277285	+	3.665E-06	1.7699E-05	0.22739	hyper	sig	chr11_134277285
chr17	72116764	72116764	+	3.678E-06	1.776E-05	0.214682	hyper	sig	chr17_72116764
chr13	20391910	20391910	+	3.678E-06	1.7761E-05	-0.22578	hypo	sig	chr13_20391910
chr7	73735119	73735119	+	3.686E-06	1.7798E-05	-0.20157	hypo	sig	chr7_73735119
chr5	1119452	1119452	+	3.695E-06	1.7837E-05	-0.21422	hypo	sig	chr5_1119452
chr10	42897731	42897731	+	3.708E-06	1.7894E-05	0.203973	hyper	sig	chr10_42897731
chr2	2.4E+08	239724524	+	3.713E-06	1.7921E-05	-0.21848	hypo	sig	chr2_239724524
chr6	1.68E+08	168048391	+	3.716E-06	1.7934E-05	-0.21092	hypo	sig	chr6_168048391
chr19	53978323	53978323	+	3.725E-06	1.7973E-05	0.223139	hyper	sig	chr19_53978323
chr19	57560245	57560245	+	3.751E-06	1.8094E-05	0.209783	hyper	sig	chr19_57560245
chr1	2.47E+08	246791974	+	3.751E-06	1.8095E-05	-0.21525	hypo	sig	chr1_246791974
chr1	1.48E+08	148246269	+	3.756E-06	1.8114E-05	0.205191	hyper	sig	chr1_148246269
chr16	87648466	87648466	+	3.759E-06	1.8129E-05	-0.21366	hypo	sig	chr16_87648466
chr2	25277171	25277171	+	3.763E-06	1.8147E-05	0.203731	hyper	sig	chr2_25277171
chr4	99651792	99651792	+	3.767E-06	1.8167E-05	-0.28064	hypo	sig	chr4_99651792
chr13	1.12E+08	112343833	+	3.775E-06	1.8204E-05	-0.22847	hypo	sig	chr13_112343833
chr7	1.43E+08	143384841	+	3.78E-06	1.8224E-05	0.20402	hyper	sig	chr7_143384841
chr4	577188	577188	+	3.782E-06	1.8231E-05	0.200809	hyper	sig	chr4_577188
chr9	1.32E+08	132486625	+	3.793E-06	1.8285E-05	0.277083	hyper	sig	chr9_132486625
chr6	1.66E+08	165805379	+	3.796E-06	1.8296E-05	0.212583	hyper	sig	chr6_165805379
chr11	1869765	1869765	+	3.808E-06	1.8354E-05	-0.26933	hypo	sig	chr11_1869765
chr4	7478147	7478147	+	3.83E-06	1.8452E-05	-0.21267	hypo	sig	chr4_7478147
chr7	72338123	72338123	+	3.832E-06	1.8461E-05	0.209954	hyper	sig	chr7_72338123
chr5	77627920	77627920	+	3.837E-06	1.8485E-05	0.2224	hyper	sig	chr5_77627920
chr17	6090551	6090551	+	3.865E-06	1.8611E-05	-0.21169	hypo	sig	chr17_6090551
chr4	7735200	7735200	+	3.887E-06	1.8712E-05	-0.20478	hypo	sig	chr4_7735200
chr20	61773221	61773221	+	3.888E-06	1.8717E-05	-0.22699	hypo	sig	chr20_61773221
chr1	2.28E+08	228417186	+	3.916E-06	1.8844E-05	0.240931	hyper	sig	chr1_228417186
chr17	44558560	44558560	+	3.92E-06	1.8862E-05	0.225182	hyper	sig	chr17_44558560
chr10	1.33E+08	132803798	+	3.928E-06	1.8897E-05	-0.20081	hypo	sig	chr10_132803798
chr19	36776057	36776057	+	3.929E-06	1.8905E-05	0.238917	hyper	sig	chr19_36776057
chr19	49809687	49809687	+	3.955E-06	1.9022E-05	0.228075	hyper	sig	chr19_49809687
chr7	1.5E+08	150372456	+	3.956E-06	1.9025E-05	-0.20157	hypo	sig	chr7_150372456
chr16	89003650	89003650	+	3.956E-06	1.9028E-05	-0.20877	hypo	sig	chr16_89003650
chr11	2302017	2302017	+	3.979E-06	1.9129E-05	-0.20024	hypo	sig	chr11_2302017
chr19	19618235	19618235	+	3.98E-06	1.9136E-05	-0.22192	hypo	sig	chr19_19618235
chr10	1.33E+08	133243325	+	4.013E-06	1.9282E-05	-0.20671	hypo	sig	chr10_133243325
chr16	16311643	16311643	+	4.029E-06	1.9354E-05	0.200641	hyper	sig	chr16_16311643
chr6	1.7E+08	170023591	+	4.031E-06	1.9365E-05	0.243985	hyper	sig	chr6_170023591
chr12	54078151	54078151	+	4.042E-06	1.9416E-05	0.22235	hyper	sig	chr12_54078151
chr7	1.02E+08	102300655	+	4.05E-06	1.945E-05	0.202107	hyper	sig	chr7_102300655
chr2	25161039	25161039	+	4.055E-06	1.9476E-05	-0.20455	hypo	sig	chr2_25161039

chr8	56446438	56446438	+	4.06E-06	1.9498E-05	0.204066	hyper	sig	chr8_56446438
chr20	38674914	38674914	+	4.061E-06	1.9499E-05	0.216887	hyper	sig	chr20_38674914
chr16	3193973	3193973	+	4.094E-06	1.9652E-05	-0.20649	hypo	sig	chr16_3193973
chr17	63447656	63447656	+	4.098E-06	1.9669E-05	-0.22343	hypo	sig	chr17_63447656
chr16	729081	729081	+	4.102E-06	1.9688E-05	0.216273	hyper	sig	chr16_729081
chr2	2.39E+08	239291006	+	4.112E-06	1.9736E-05	0.20881	hyper	sig	chr2_239291006
chr14	94768409	94768409	+	4.124E-06	1.9788E-05	0.203901	hyper	sig	chr14_94768409
chr16	88497745	88497745	+	4.136E-06	1.9842E-05	0.208847	hyper	sig	chr16_88497745
chr6	1.7E+08	170023565	+	4.156E-06	1.9933E-05	0.273609	hyper	sig	chr6_170023565
chr19	37855854	37855854	+	4.16E-06	1.9948E-05	0.220638	hyper	sig	chr19_37855854
chr2	2.06E+08	206444347	+	4.175E-06	2.0018E-05	0.209185	hyper	sig	chr2_206444347
chr17	42040049	42040049	+	4.18E-06	2.0041E-05	0.210613	hyper	sig	chr17_42040049
chr5	1.39E+08	139384633	+	4.18E-06	2.0042E-05	-0.2274	hypo	sig	chr5_139384633
chr2	2.27E+08	227167399	+	4.181E-06	2.0044E-05	-0.20101	hypo	sig	chr2_227167399
chr17	36633019	36633019	+	4.188E-06	2.0076E-05	-0.20212	hypo	sig	chr17_36633019
chr3	1.84E+08	184338882	+	4.198E-06	2.0124E-05	0.244947	hyper	sig	chr3_184338882
chr2	94998665	94998665	+	4.217E-06	2.0207E-05	0.236929	hyper	sig	chr2_94998665
chr9	1.37E+08	136986102	+	4.234E-06	2.0286E-05	0.202493	hyper	sig	chr9_136986102
chr16	68447596	68447596	+	4.237E-06	2.0302E-05	0.250119	hyper	sig	chr16_68447596
chr19	1520616	1520616	+	4.239E-06	2.0306E-05	-0.23289	hypo	sig	chr19_1520616
chr3	1.98E+08	197520389	+	4.243E-06	2.0327E-05	-0.2084	hypo	sig	chr3_197520389
chr2	60585645	60585645	+	4.246E-06	2.0339E-05	-0.21816	hypo	sig	chr2_60585645
chr19	44820989	44820989	+	4.248E-06	2.0347E-05	0.210032	hyper	sig	chr19_44820989
chr1	16228016	16228016	+	4.249E-06	2.0351E-05	0.221306	hyper	sig	chr1_16228016
chr17	79990410	79990410	+	4.252E-06	2.0365E-05	-0.22104	hypo	sig	chr17_79990410
chr17	62663837	62663837	+	4.257E-06	2.039E-05	-0.20371	hypo	sig	chr17_62663837
chr2	1.22E+08	121533152	+	4.257E-06	2.0391E-05	-0.2254	hypo	sig	chr2_121533152
chr3	1.72E+08	172447681	+	4.259E-06	2.0396E-05	0.242894	hyper	sig	chr3_172447681
chr6	1.12E+08	112367456	+	4.264E-06	2.0418E-05	0.258302	hyper	sig	chr6_112367456
chr1	2.21E+08	220877652	+	4.264E-06	2.0419E-05	0.20333	hyper	sig	chr1_220877652
chr16	562994	562994	+	4.266E-06	2.0428E-05	-0.21644	hypo	sig	chr16_562994
chr2	20242403	20242403	+	4.275E-06	2.0469E-05	0.213636	hyper	sig	chr2_20242403
chr12	34381489	34381489	+	4.276E-06	2.0474E-05	-0.20934	hypo	sig	chr12_34381489
chr19	22805334	22805334	+	4.29E-06	2.0536E-05	-0.21935	hypo	sig	chr19_22805334
chr14	52069991	52069991	+	4.295E-06	2.0561E-05	0.200945	hyper	sig	chr14_52069991
chr2	2.4E+08	240155873	+	4.295E-06	2.0561E-05	-0.2064	hypo	sig	chr2_240155873
chr4	1.74E+08	173528429	+	4.299E-06	2.0578E-05	0.212075	hyper	sig	chr4_173528429
chr22	49656549	49656549	+	4.31E-06	2.0628E-05	-0.23403	hypo	sig	chr22_49656549
chr1	36178692	36178692	+	4.327E-06	2.0703E-05	-0.22176	hypo	sig	chr1_36178692
chr17	78257981	78257981	+	4.328E-06	2.0711E-05	-0.21578	hypo	sig	chr17_78257981
chr4	663333	663333	+	4.333E-06	2.0733E-05	0.221607	hyper	sig	chr4_663333
chr19	4916566	4916566	+	4.339E-06	2.0758E-05	-0.20549	hypo	sig	chr19_4916566
chr16	27113668	27113668	+	4.34E-06	2.0762E-05	-0.20177	hypo	sig	chr16_27113668
chr7	1.58E+08	157592768	+	4.36E-06	2.0852E-05	-0.20618	hypo	sig	chr7_157592768
chr1	1.54E+08	153793120	+	4.371E-06	2.0906E-05	-0.21204	hypo	sig	chr1_153793120
chr18	904832	904832	+	4.378E-06	2.0935E-05	0.201416	hyper	sig	chr18_904832
chr17	81199759	81199759	+	4.385E-06	2.0967E-05	0.210782	hyper	sig	chr17_81199759
chr5	958138	958138	+	4.405E-06	2.1055E-05	-0.24005	hypo	sig	chr5_958138
chr17	48564742	48564742	+	4.416E-06	2.1106E-05	0.234158	hyper	sig	chr17_48564742
chr22	46123324	46123324	+	4.417E-06	2.1111E-05	-0.20702	hypo	sig	chr22_46123324
chr2	1.13E+08	113235344	+	4.44E-06	2.1211E-05	-0.22922	hypo	sig	chr2_113235344
chr6	1619161	1619161	+	4.446E-06	2.1236E-05	0.23251	hyper	sig	chr6_1619161
chr5	85549483	85549483	+	4.452E-06	2.1266E-05	-0.2074	hypo	sig	chr5_85549483
chr4	48484502	48484502	+	4.455E-06	2.1279E-05	0.227661	hyper	sig	chr4_48484502
chr15	89356475	89356475	+	4.467E-06	2.1332E-05	-0.2002	hypo	sig	chr15_89356475
chr15	27527419	27527419	+	4.485E-06	2.1416E-05	-0.20641	hypo	sig	chr15_27527419

chr7	74027893	74027893	+	4.487E-06	2.1421E-05	0.28813	hyper	sig	chr7_74027893
chr7	56483985	56483985	+	4.496E-06	2.1465E-05	0.201339	hyper	sig	chr7_56483985
chr2	1.56E+08	156329358	+	4.502E-06	2.1492E-05	0.221192	hyper	sig	chr2_156329358
chr5	1289924	1289924	+	4.519E-06	2.1567E-05	-0.20808	hypo	sig	chr5_1289924
chr16	1066021	1066021	+	4.52E-06	2.1573E-05	0.207431	hyper	sig	chr16_1066021
chr15	93109537	93109537	+	4.537E-06	2.1647E-05	-0.20299	hypo	sig	chr15_93109537
chr12	56230235	56230235	+	4.544E-06	2.1682E-05	-0.22088	hypo	sig	chr12_56230235
chr3	46812243	46812243	+	4.58E-06	2.1841E-05	0.20643	hyper	sig	chr3_46812243
chr11	1.29E+08	128689345	+	4.591E-06	2.189E-05	0.206992	hyper	sig	chr11_128689345
chr1	31626523	31626523	+	4.646E-06	2.2141E-05	0.221649	hyper	sig	chr1_31626523
chr17	48612026	48612026	+	4.649E-06	2.2155E-05	-0.2147	hypo	sig	chr17_48612026
chr11	20599368	20599368	+	4.667E-06	2.2235E-05	0.216851	hyper	sig	chr11_20599368
chr16	25012283	25012283	+	4.669E-06	2.2244E-05	-0.20121	hypo	sig	chr16_25012283
chr1	1.56E+08	156076755	+	4.67E-06	2.2247E-05	0.214027	hyper	sig	chr1_156076755
chr20	3092640	3092640	+	4.685E-06	2.2312E-05	0.201758	hyper	sig	chr20_3092640
chr12	27781775	27781775	+	4.693E-06	2.235E-05	0.203863	hyper	sig	chr12_27781775
chr7	6573677	6573677	+	4.706E-06	2.2408E-05	-0.22559	hypo	sig	chr7_6573677
chr5	1.41E+08	140850220	+	4.728E-06	2.2505E-05	0.222239	hyper	sig	chr5_140850220
chr9	1.37E+08	136653240	+	4.736E-06	2.2544E-05	-0.21805	hypo	sig	chr9_136653240
chr6	1.67E+08	166657201	+	4.741E-06	2.2563E-05	-0.21981	hypo	sig	chr6_166657201
chr14	53952162	53952162	+	4.745E-06	2.2583E-05	0.204806	hyper	sig	chr14_53952162
chr15	76342159	76342159	+	4.746E-06	2.2585E-05	-0.20482	hypo	sig	chr15_76342159
chr2	44768769	44768769	+	4.752E-06	2.2612E-05	0.227858	hyper	sig	chr2_44768769
chr9	1.34E+08	133950875	+	4.757E-06	2.2632E-05	0.245059	hyper	sig	chr9_133950875
chr16	73046937	73046937	+	4.763E-06	2.2662E-05	0.207866	hyper	sig	chr16_73046937
chr9	69067365	69067365	+	4.764E-06	2.2664E-05	-0.20713	hypo	sig	chr9_69067365
chr7	1.02E+08	102300772	+	4.765E-06	2.2671E-05	0.207235	hyper	sig	chr7_102300772
chr17	82813398	82813398	+	4.771E-06	2.2694E-05	0.260864	hyper	sig	chr17_82813398
chr19	17327884	17327884	+	4.774E-06	2.2712E-05	0.223859	hyper	sig	chr19_17327884
chr4	1622259	1622259	+	4.793E-06	2.2797E-05	-0.24421	hypo	sig	chr4_1622259
chr2	9754045	9754045	+	4.795E-06	2.2805E-05	-0.20194	hypo	sig	chr2_9754045
chr19	7682237	7682237	+	4.802E-06	2.2834E-05	0.260145	hyper	sig	chr19_7682237
chr12	34208600	34208600	+	4.812E-06	2.2882E-05	-0.20562	hypo	sig	chr12_34208600
chr1	2.36E+08	235642336	+	4.814E-06	2.2888E-05	-0.20001	hypo	sig	chr1_235642336
chr17	82242701	82242701	+	4.815E-06	2.2895E-05	0.211491	hyper	sig	chr17_82242701
chr14	1.01E+08	100709646	+	4.817E-06	2.2903E-05	0.202266	hyper	sig	chr14_100709646
chr5	1.41E+08	140802648	+	4.827E-06	2.2949E-05	0.248637	hyper	sig	chr5_140802648
chr14	1.01E+08	101069228	+	4.83E-06	2.2962E-05	-0.24385	hypo	sig	chr14_101069228
chr2	2.39E+08	239294920	+	4.84E-06	2.3007E-05	-0.21204	hypo	sig	chr2_239294920
chr17	81122324	81122324	+	4.852E-06	2.306E-05	0.236888	hyper	sig	chr17_81122324
chr15	37095408	37095408	+	4.853E-06	2.3062E-05	0.216681	hyper	sig	chr15_37095408
chr14	37622766	37622766	+	4.862E-06	2.3105E-05	0.209397	hyper	sig	chr14_37622766
chr7	1.55E+08	154914128	+	4.87E-06	2.314E-05	0.203392	hyper	sig	chr7_154914128
chr7	76285720	76285720	+	4.919E-06	2.3361E-05	-0.20053	hypo	sig	chr7_76285720
chr6	1.64E+08	164106335	+	4.919E-06	2.3362E-05	-0.2107	hypo	sig	chr6_164106335
chr3	47010015	47010015	+	4.93E-06	2.3409E-05	0.206356	hyper	sig	chr3_47010015
chr13	20137562	20137562	+	4.931E-06	2.3416E-05	-0.21664	hypo	sig	chr13_20137562
chr1	9279624	9279624	+	4.963E-06	2.3559E-05	-0.21953	hypo	sig	chr1_9279624
chr7	1211606	1211606	+	4.969E-06	2.3586E-05	-0.20642	hypo	sig	chr7_1211606
chr12	1.02E+08	101642661	+	5.041E-06	2.391E-05	0.200949	hyper	sig	chr12_101642661
chr2	73213303	73213303	+	5.044E-06	2.3923E-05	-0.23518	hypo	sig	chr2_73213303
chr8	1.45E+08	144717821	+	5.081E-06	2.4084E-05	-0.20776	hypo	sig	chr8_144717821
chr2	1.27E+08	127024890	+	5.118E-06	2.425E-05	0.213466	hyper	sig	chr2_127024890
chr10	8037173	8037173	+	5.129E-06	2.4301E-05	0.235022	hyper	sig	chr10_8037173
chr3	1.26E+08	125958585	+	5.132E-06	2.4314E-05	0.201218	hyper	sig	chr3_125958585
chr5	1.46E+08	146340286	+	5.133E-06	2.4315E-05	0.208242	hyper	sig	chr5_146340286

chr8	37802583	37802583	+	5.134E-06	2.432E-05	0.212329	hyper	sig	chr8_37802583
chr4	1.08E+08	107930846	+	5.134E-06	2.4321E-05	0.206583	hyper	sig	chr4_107930846
chr1	1.52E+08	151839204	+	5.148E-06	2.4382E-05	0.226058	hyper	sig	chr1_151839204
chr6	6002547	6002547	+	5.196E-06	2.4599E-05	0.201217	hyper	sig	chr6_6002547
chr11	1.3E+08	130206439	+	5.203E-06	2.4628E-05	-0.20564	hypo	sig	chr11_130206439
chr4	55157959	55157959	+	5.203E-06	2.4628E-05	0.218561	hyper	sig	chr4_55157959
chr16	1354909	1354909	+	5.206E-06	2.4643E-05	-0.21429	hypo	sig	chr16_1354909
chr7	1301015	1301015	+	5.218E-06	2.4696E-05	-0.20281	hypo	sig	chr7_1301015
chr13	1.12E+08	111893521	+	5.22E-06	2.4705E-05	0.208962	hyper	sig	chr13_111893521
chr16	31143076	31143076	+	5.23E-06	2.4747E-05	0.206212	hyper	sig	chr16_31143076
chr9	1.35E+08	135166067	+	5.234E-06	2.4765E-05	-0.22335	hypo	sig	chr9_135166067
chr7	728335	728335	+	5.237E-06	2.478E-05	0.206849	hyper	sig	chr7_728335
chr2	3647632	3647632	+	5.245E-06	2.4814E-05	-0.2183	hypo	sig	chr2_3647632
chr12	12884928	12884928	+	5.272E-06	2.4934E-05	-0.20588	hypo	sig	chr12_12884928
chr7	1.29E+08	128911548	+	5.272E-06	2.4934E-05	-0.23126	hypo	sig	chr7_128911548
chr4	1405506	1405506	+	5.325E-06	2.5169E-05	0.208159	hyper	sig	chr4_1405506
chr6	16216786	16216786	+	5.345E-06	2.5258E-05	0.224684	hyper	sig	chr6_16216786
chr2	1.01E+08	101150065	+	5.36E-06	2.5328E-05	-0.20528	hypo	sig	chr2_101150065
chr11	70826204	70826204	+	5.376E-06	2.5395E-05	0.20379	hyper	sig	chr11_70826204
chr9	1.37E+08	137254094	+	5.397E-06	2.5492E-05	-0.20279	hypo	sig	chr9_137254094
chr8	1.42E+08	141622449	+	5.436E-06	2.5663E-05	-0.20074	hypo	sig	chr8_141622449
chr15	52795492	52795492	+	5.473E-06	2.5827E-05	0.200139	hyper	sig	chr15_52795492
chr19	50728212	50728212	+	5.477E-06	2.5844E-05	0.24087	hyper	sig	chr19_50728212
chr1	2.46E+08	245677318	+	5.51E-06	2.5993E-05	-0.20295	hypo	sig	chr1_245677318
chr19	33222837	33222837	+	5.512E-06	2.6004E-05	-0.23224	hypo	sig	chr19_33222837
chr1	1.56E+08	156291342	+	5.513E-06	2.6006E-05	0.200385	hyper	sig	chr1_156291342
chr3	1.3E+08	130002160	+	5.515E-06	2.6014E-05	-0.22617	hypo	sig	chr3_130002160
chr20	62216623	62216623	+	5.531E-06	2.6087E-05	-0.2041	hypo	sig	chr20_62216623
chr19	3578082	3578082	+	5.535E-06	2.6105E-05	-0.20076	hypo	sig	chr19_3578082
chr14	1.01E+08	100827093	+	5.537E-06	2.6114E-05	0.210292	hyper	sig	chr14_100827093
chr5	73436134	73436134	+	5.569E-06	2.6258E-05	0.274033	hyper	sig	chr5_73436134
chr8	23319459	23319459	+	5.6E-06	2.6398E-05	0.207299	hyper	sig	chr8_23319459
chr1	27350853	27350853	+	5.603E-06	2.641E-05	0.247415	hyper	sig	chr1_27350853
chr4	41873445	41873445	+	5.613E-06	2.6453E-05	0.22535	hyper	sig	chr4_41873445
chr10	99234411	99234411	+	5.619E-06	2.6479E-05	0.214942	hyper	sig	chr10_99234411
chr20	63802800	63802800	+	5.628E-06	2.6522E-05	-0.21596	hypo	sig	chr20_63802800
chr1	39922548	39922548	+	5.633E-06	2.6543E-05	0.203132	hyper	sig	chr1_39922548
chr17	61401585	61401585	+	5.638E-06	2.6563E-05	0.210885	hyper	sig	chr17_61401585
chr4	1.54E+08	153760380	+	5.64E-06	2.6573E-05	-0.20201	hypo	sig	chr4_153760380
chr1	11898293	11898293	+	5.677E-06	2.6738E-05	0.207006	hyper	sig	chr1_11898293
chr12	52233698	52233698	+	5.725E-06	2.6954E-05	0.214481	hyper	sig	chr12_52233698
chr1	2E+08	200038735	+	5.753E-06	2.7079E-05	0.221639	hyper	sig	chr1_200038735
chr17	74436591	74436591	+	5.758E-06	2.7099E-05	-0.20833	hypo	sig	chr17_74436591
chr17	44558520	44558520	+	5.803E-06	2.7298E-05	0.202214	hyper	sig	chr17_44558520
chr9	1.34E+08	133565604	+	5.804E-06	2.7304E-05	0.244524	hyper	sig	chr9_133565604
chr2	1.74E+08	174344347	+	5.811E-06	2.7336E-05	0.220906	hyper	sig	chr2_174344347
chr6	1.69E+08	168886467	+	5.827E-06	2.7405E-05	-0.23987	hypo	sig	chr6_168886467
chr1	2.01E+08	201284210	+	5.831E-06	2.7421E-05	0.22382	hyper	sig	chr1_201284210
chr7	5608603	5608603	+	5.837E-06	2.745E-05	-0.20274	hypo	sig	chr7_5608603
chr14	23386696	23386696	+	5.87E-06	2.7594E-05	-0.24692	hypo	sig	chr14_23386696
chr20	37521637	37521637	+	5.881E-06	2.7643E-05	0.226786	hyper	sig	chr20_37521637
chr2	38073782	38073782	+	5.964E-06	2.8015E-05	0.207216	hyper	sig	chr2_38073782
chr14	64197002	64197002	+	5.981E-06	2.8088E-05	0.234724	hyper	sig	chr14_64197002
chr19	44776617	44776617	+	5.983E-06	2.8096E-05	-0.22828	hypo	sig	chr19_44776617
chr4	40630934	40630934	+	5.987E-06	2.8114E-05	-0.21586	hypo	sig	chr4_40630934
chr10	1.04E+08	103661638	+	6.034E-06	2.8325E-05	0.250896	hyper	sig	chr10_103661638

chr19	6274272	6274272	+	6.046E-06	2.8377E-05	0.231896	hyper	sig	chr19_6274272
chr10	70675548	70675548	+	6.057E-06	2.8428E-05	-0.20463	hypo	sig	chr10_70675548
chr11	69948841	69948841	+	6.084E-06	2.8549E-05	-0.23828	hypo	sig	chr11_69948841
chr9	1.14E+08	113508706	+	6.088E-06	2.8566E-05	-0.2018	hypo	sig	chr9_113508706
chr11	65592749	65592749	+	6.117E-06	2.8694E-05	0.203361	hyper	sig	chr11_65592749
chr12	52258878	52258878	+	6.135E-06	2.877E-05	0.218778	hyper	sig	chr12_52258878
chr12	1.3E+08	130474704	+	6.141E-06	2.8798E-05	-0.21138	hypo	sig	chr12_130474704
chr18	52340841	52340841	+	6.151E-06	2.8842E-05	0.226119	hyper	sig	chr18_52340841
chr16	3881827	3881827	+	6.158E-06	2.887E-05	-0.22546	hypo	sig	chr16_3881827
chr19	6274178	6274178	+	6.173E-06	2.8936E-05	0.233815	hyper	sig	chr19_6274178
chr12	6826276	6826276	+	6.174E-06	2.8941E-05	-0.23106	hypo	sig	chr12_6826276
chr16	920265	920265	+	6.175E-06	2.8944E-05	0.200455	hyper	sig	chr16_920265
chr16	67395015	67395015	+	6.183E-06	2.8982E-05	-0.20594	hypo	sig	chr16_67395015
chr2	98937426	98937426	+	6.189E-06	2.9007E-05	0.20311	hyper	sig	chr2_98937426
chr10	1.24E+08	123665746	+	6.22E-06	2.9144E-05	0.239362	hyper	sig	chr10_123665746
chr9	21560307	21560307	+	6.232E-06	2.9199E-05	-0.20398	hypo	sig	chr9_21560307
chr4	8108658	8108658	+	6.241E-06	2.9238E-05	-0.21433	hypo	sig	chr4_8108658
chr16	80933042	80933042	+	6.246E-06	2.9262E-05	-0.20932	hypo	sig	chr16_80933042
chr5	1.29E+08	128965020	+	6.27E-06	2.937E-05	0.217852	hyper	sig	chr5_128965020
chr4	791173	791173	+	6.286E-06	2.9441E-05	0.213836	hyper	sig	chr4_791173
chr2	1.13E+08	113235324	+	6.318E-06	2.9579E-05	-0.2342	hypo	sig	chr2_113235324
chr14	72679842	72679842	+	6.323E-06	2.9602E-05	0.214213	hyper	sig	chr14_72679842
chr1	2.28E+08	227541897	+	6.359E-06	2.9762E-05	0.221147	hyper	sig	chr1_227541897
chr11	70202672	70202672	+	6.372E-06	2.9816E-05	0.208112	hyper	sig	chr11_70202672
chr1	37761497	37761497	+	6.383E-06	2.9865E-05	0.239883	hyper	sig	chr1_37761497
chr1	90841432	90841432	+	6.391E-06	2.9898E-05	0.237572	hyper	sig	chr1_90841432
chr18	5196337	5196337	+	6.391E-06	2.9899E-05	0.201521	hyper	sig	chr18_5196337
chr19	45008826	45008826	+	6.416E-06	3.0006E-05	-0.22418	hypo	sig	chr19_45008826
chr13	1.12E+08	111981198	+	6.419E-06	3.0019E-05	-0.25094	hypo	sig	chr13_111981198
chr5	1.41E+08	141422001	+	6.457E-06	3.0189E-05	0.206532	hyper	sig	chr5_141422001
chr1	24191753	24191753	+	6.472E-06	3.0255E-05	-0.21995	hypo	sig	chr1_24191753
chr15	59995897	59995897	+	6.476E-06	3.0273E-05	0.204383	hyper	sig	chr15_59995897
chr1	1067749	1067749	+	6.487E-06	3.0321E-05	-0.20326	hypo	sig	chr1_1067749
chr7	74083274	74083274	+	6.497E-06	3.0362E-05	0.227015	hyper	sig	chr7_74083274
chr9	6644438	6644438	+	6.503E-06	3.0391E-05	0.225069	hyper	sig	chr9_6644438
chr7	1.02E+08	102279766	+	6.51E-06	3.0421E-05	0.21595	hyper	sig	chr7_102279766
chr4	13531281	13531281	+	6.514E-06	3.0439E-05	-0.20815	hypo	sig	chr4_13531281
chr1	15424577	15424577	+	6.515E-06	3.0441E-05	-0.22419	hypo	sig	chr1_15424577
chr7	2078685	2078685	+	6.523E-06	3.0477E-05	-0.20437	hypo	sig	chr7_2078685
chr6	43775355	43775355	+	6.529E-06	3.0505E-05	-0.2322	hypo	sig	chr6_43775355
chr12	34290720	34290720	+	6.542E-06	3.0563E-05	-0.20053	hypo	sig	chr12_34290720
chr16	73158	73158	+	6.552E-06	3.0605E-05	-0.2327	hypo	sig	chr16_73158
chr12	57225748	57225748	+	6.56E-06	3.064E-05	0.288889	hyper	sig	chr12_57225748
chr20	38433988	38433988	+	6.563E-06	3.0651E-05	-0.20954	hypo	sig	chr20_38433988
chr5	1.69E+08	169300142	+	6.581E-06	3.0732E-05	0.292252	hyper	sig	chr5_169300142
chr5	1295570	1295570	+	6.59E-06	3.0772E-05	0.211606	hyper	sig	chr5_1295570
chr15	52795502	52795502	+	6.59E-06	3.0773E-05	0.217156	hyper	sig	chr15_52795502
chr11	72778083	72778083	+	6.593E-06	3.0783E-05	-0.22302	hypo	sig	chr11_72778083
chr17	77408566	77408566	+	6.595E-06	3.0794E-05	0.209291	hyper	sig	chr17_77408566
chr15	71811240	71811240	+	6.597E-06	3.08E-05	-0.24695	hypo	sig	chr15_71811240
chr16	68447586	68447586	+	6.607E-06	3.0847E-05	0.2542	hyper	sig	chr16_68447586
chr1	1.61E+08	161238113	+	6.613E-06	3.0874E-05	-0.21373	hypo	sig	chr1_161238113
chr8	1.43E+08	142775069	+	6.635E-06	3.0967E-05	-0.20364	hypo	sig	chr8_142775069
chr1	16536518	16536518	+	6.659E-06	3.1077E-05	-0.21986	hypo	sig	chr1_16536518
chr17	49131413	49131413	+	6.664E-06	3.1097E-05	-0.21353	hypo	sig	chr17_49131413
chr2	74148468	74148468	+	6.669E-06	3.112E-05	0.243874	hyper	sig	chr2_74148468

chr12	1.24E+08	124387720	+	6.676E-06	3.1151E-05	0.230689	hyper	sig	chr12_124387720
chr3	1.84E+08	184338877	+	6.688E-06	3.1204E-05	0.228833	hyper	sig	chr3_184338877
chr2	2.32E+08	232409907	+	6.736E-06	3.1417E-05	0.212532	hyper	sig	chr2_232409907
chr12	6840995	6840995	+	6.819E-06	3.1785E-05	0.207105	hyper	sig	chr12_6840995
chr7	1386600	1386600	+	6.825E-06	3.1812E-05	-0.21047	hypo	sig	chr7_1386600
chr10	1.02E+08	101567094	+	6.831E-06	3.1836E-05	-0.20585	hypo	sig	chr10_101567094
chr9	1.28E+08	127762575	+	6.838E-06	3.1869E-05	-0.21627	hypo	sig	chr9_127762575
chr19	55462497	55462497	+	6.858E-06	3.1958E-05	-0.23665	hypo	sig	chr19_55462497
chr7	32071454	32071454	+	6.877E-06	3.2042E-05	0.202062	hyper	sig	chr7_32071454
chr15	26968092	26968092	+	6.882E-06	3.2062E-05	0.209152	hyper	sig	chr15_26968092
chr18	78984991	78984991	+	6.906E-06	3.2165E-05	0.210218	hyper	sig	chr18_78984991
chr16	85826518	85826518	+	6.914E-06	3.22E-05	-0.21073	hypo	sig	chr16_85826518
chr3	1.7E+08	169665614	+	6.937E-06	3.23E-05	0.290028	hyper	sig	chr3_169665614
chr3	1.84E+08	184176909	+	6.957E-06	3.2389E-05	0.227593	hyper	sig	chr3_184176909
chr6	1.69E+08	169224742	+	7.018E-06	3.2658E-05	-0.21319	hypo	sig	chr6_169224742
chr11	75429754	75429754	+	7.039E-06	3.2748E-05	0.200058	hyper	sig	chr11_75429754
chr13	18299138	18299138	+	7.075E-06	3.2909E-05	-0.21063	hypo	sig	chr13_18299138
chr8	1.42E+08	141905341	+	7.088E-06	3.2964E-05	0.205002	hyper	sig	chr8_141905341
chr19	54418269	54418269	+	7.096E-06	3.3001E-05	0.201079	hyper	sig	chr19_54418269
chr16	2469980	2469980	+	7.097E-06	3.3005E-05	-0.22984	hypo	sig	chr16_2469980
chr4	1309618	1309618	+	7.117E-06	3.3093E-05	0.257391	hyper	sig	chr4_1309618
chr2	1.27E+08	126878013	+	7.187E-06	3.34E-05	-0.20659	hypo	sig	chr2_126878013
chr5	1.75E+08	174733405	+	7.189E-06	3.341E-05	0.20718	hyper	sig	chr5_174733405
chr20	3223530	3223530	+	7.223E-06	3.3557E-05	-0.22511	hypo	sig	chr20_3223530
chr20	29497650	29497650	+	7.225E-06	3.3564E-05	0.264892	hyper	sig	chr20_29497650
chr6	1.17E+08	116564998	+	7.24E-06	3.3628E-05	0.221203	hyper	sig	chr6_116564998
chr4	1339106	1339106	+	7.273E-06	3.3772E-05	-0.20756	hypo	sig	chr4_1339106
chr17	80961548	80961548	+	7.306E-06	3.3915E-05	0.2003	hyper	sig	chr17_80961548
chr2	29011726	29011726	+	7.315E-06	3.3958E-05	-0.22622	hypo	sig	chr2_29011726
chr14	20623244	20623244	+	7.435E-06	3.4485E-05	0.218474	hyper	sig	chr14_20623244
chr16	29218680	29218680	+	7.459E-06	3.4591E-05	-0.26907	hypo	sig	chr16_29218680
chr10	68232063	68232063	+	7.517E-06	3.4845E-05	0.214266	hyper	sig	chr10_68232063
chr20	29427531	29427531	+	7.557E-06	3.5019E-05	-0.22043	hypo	sig	chr20_29427531
chr7	1.55E+08	154794625	+	7.581E-06	3.5123E-05	0.201938	hyper	sig	chr7_154794625
chr2	3536373	3536373	+	7.587E-06	3.5148E-05	0.213551	hyper	sig	chr2_3536373
chr18	23137806	23137806	+	7.619E-06	3.5285E-05	-0.20035	hypo	sig	chr18_23137806
chr7	1.57E+08	156948906	+	7.645E-06	3.5397E-05	0.212064	hyper	sig	chr7_156948906
chr12	56230261	56230261	+	7.716E-06	3.5707E-05	-0.25302	hypo	sig	chr12_56230261
chr18	57354296	57354296	+	7.729E-06	3.5766E-05	0.204003	hyper	sig	chr18_57354296
chr9	98805467	98805467	+	7.759E-06	3.5895E-05	-0.23656	hypo	sig	chr9_98805467
chr19	48747358	48747358	+	7.763E-06	3.5914E-05	0.266522	hyper	sig	chr19_48747358
chr12	2793685	2793685	+	7.779E-06	3.5982E-05	-0.26043	hypo	sig	chr12_2793685
chr16	88100733	88100733	+	7.786E-06	3.6011E-05	0.202888	hyper	sig	chr16_88100733
chr16	4680614	4680614	+	7.816E-06	3.6143E-05	-0.20099	hypo	sig	chr16_4680614
chr1	36322971	36322971	+	7.817E-06	3.6147E-05	0.204043	hyper	sig	chr1_36322971
chr1	24966027	24966027	+	7.825E-06	3.6183E-05	-0.21092	hypo	sig	chr1_24966027
chr6	1.59E+08	158545497	+	7.861E-06	3.6342E-05	-0.21143	hypo	sig	chr6_158545497
chr12	1628938	1628938	+	7.866E-06	3.6361E-05	0.214827	hyper	sig	chr12_1628938
chr5	2141738	2141738	+	7.876E-06	3.6408E-05	-0.20966	hypo	sig	chr5_2141738
chr2	1709143	1709143	+	7.876E-06	3.6408E-05	-0.20392	hypo	sig	chr2_1709143
chr20	63689706	63689706	+	7.884E-06	3.6442E-05	-0.20242	hypo	sig	chr20_63689706
chr16	555725	555725	+	7.886E-06	3.645E-05	0.210978	hyper	sig	chr16_555725
chr2	10414039	10414039	+	7.894E-06	3.6484E-05	-0.22201	hypo	sig	chr2_10414039
chr21	46602130	46602130	+	7.9E-06	3.6508E-05	-0.21976	hypo	sig	chr21_46602130
chr21	45922872	45922872	+	7.916E-06	3.6576E-05	0.222807	hyper	sig	chr21_45922872
chr1	16227948	16227948	+	7.923E-06	3.6608E-05	0.207613	hyper	sig	chr1_16227948

chr18	74498709	74498709	+	7.928E-06	3.6627E-05	-0.20341	hypo	sig	chr18_74498709
chr1	1.19E+08	118985198	+	7.929E-06	3.6633E-05	0.216731	hyper	sig	chr1_118985198
chr13	20177540	20177540	+	7.985E-06	3.6874E-05	0.257913	hyper	sig	chr13_20177540
chr9	1.37E+08	136716706	+	8.018E-06	3.7019E-05	-0.20709	hypo	sig	chr9_136716706
chr19	12513607	12513607	+	8.062E-06	3.721E-05	0.200569	hyper	sig	chr19_12513607
chr8	37703769	37703769	+	8.105E-06	3.7399E-05	0.213912	hyper	sig	chr8_37703769
chr12	1.32E+08	132441626	+	8.145E-06	3.7571E-05	-0.22205	hypo	sig	chr12_132441626
chr5	1.41E+08	140883629	+	8.15E-06	3.7595E-05	0.214827	hyper	sig	chr5_140883629
chr1	1.1E+08	110068202	+	8.151E-06	3.7598E-05	0.214212	hyper	sig	chr1_110068202
chr14	54220224	54220224	+	8.179E-06	3.772E-05	0.212012	hyper	sig	chr14_54220224
chr4	1.1E+08	109699774	+	8.181E-06	3.7729E-05	-0.2012	hypo	sig	chr4_109699774
chr1	6624705	6624705	+	8.215E-06	3.7878E-05	0.201771	hyper	sig	chr1_6624705
chr8	37842433	37842433	+	8.235E-06	3.7962E-05	-0.20748	hypo	sig	chr8_37842433
chr11	69643952	69643952	+	8.238E-06	3.7975E-05	0.228527	hyper	sig	chr11_69643952
chr7	1.58E+08	157569354	+	8.253E-06	3.8041E-05	0.211057	hyper	sig	chr7_157569354
chr5	1.29E+08	128965017	+	8.265E-06	3.8096E-05	0.208416	hyper	sig	chr5_128965017
chr10	37648061	37648061	+	8.271E-06	3.8119E-05	-0.2231	hypo	sig	chr10_37648061
chr2	2.08E+08	208112187	+	8.286E-06	3.8185E-05	0.208533	hyper	sig	chr2_208112187
chr15	77987909	77987909	+	8.319E-06	3.8325E-05	-0.22816	hypo	sig	chr15_77987909
chr7	1.57E+08	157006189	+	8.348E-06	3.8454E-05	0.240233	hyper	sig	chr7_157006189
chr1	1.61E+08	161238603	+	8.362E-06	3.8513E-05	-0.24436	hypo	sig	chr1_161238603
chr6	1.28E+08	127518748	+	8.368E-06	3.8539E-05	0.210419	hyper	sig	chr6_127518748
chr19	19618223	19618223	+	8.373E-06	3.8561E-05	-0.21833	hypo	sig	chr19_19618223
chr2	2.41E+08	240757542	+	8.408E-06	3.8716E-05	0.208528	hyper	sig	chr2_240757542
chr9	94607467	94607467	+	8.439E-06	3.885E-05	-0.2054	hypo	sig	chr9_94607467
chr9	97855088	97855088	+	8.445E-06	3.8877E-05	0.209173	hyper	sig	chr9_97855088
chr7	12404579	12404579	+	8.472E-06	3.8992E-05	-0.22003	hypo	sig	chr7_12404579
chr19	40487795	40487795	+	8.484E-06	3.9047E-05	0.212825	hyper	sig	chr19_40487795
chr7	1241896	1241896	+	8.516E-06	3.9184E-05	0.228805	hyper	sig	chr7_1241896
chr11	1.19E+08	118606319	+	8.526E-06	3.9223E-05	-0.2243	hypo	sig	chr11_118606319
chr1	2.23E+08	223129358	+	8.576E-06	3.9444E-05	0.208997	hyper	sig	chr1_223129358
chr22	30267826	30267826	+	8.577E-06	3.9447E-05	-0.23356	hypo	sig	chr22_30267826
chr2	71843000	71843000	+	8.593E-06	3.9515E-05	-0.20518	hypo	sig	chr2_71843000
chr11	1388918	1388918	+	8.604E-06	3.9566E-05	0.220998	hyper	sig	chr11_1388918
chr16	54288642	54288642	+	8.675E-06	3.9872E-05	0.213858	hyper	sig	chr16_54288642
chr4	48484390	48484390	+	8.691E-06	3.9939E-05	0.211856	hyper	sig	chr4_48484390
chr17	73904644	73904644	+	8.743E-06	4.0163E-05	-0.22531	hypo	sig	chr17_73904644
chr2	2.06E+08	206444365	+	8.822E-06	4.0501E-05	0.228368	hyper	sig	chr2_206444365
chr11	1.25E+08	124865416	+	8.833E-06	4.0546E-05	0.200423	hyper	sig	chr11_124865416
chr16	88093238	88093238	+	8.854E-06	4.0639E-05	-0.2052	hypo	sig	chr16_88093238
chr6	35509581	35509581	+	8.857E-06	4.0651E-05	-0.20786	hypo	sig	chr6_35509581
chr1	16227808	16227808	+	8.858E-06	4.0653E-05	0.201355	hyper	sig	chr1_16227808
chr5	1.81E+08	180601621	+	8.885E-06	4.0771E-05	-0.2047	hypo	sig	chr5_180601621
chr12	6556035	6556035	+	8.899E-06	4.0827E-05	0.211081	hyper	sig	chr12_6556035
chr5	1.54E+08	154493398	+	8.905E-06	4.0853E-05	-0.20018	hypo	sig	chr5_154493398
chr5	73382288	73382288	+	8.965E-06	4.111E-05	0.206674	hyper	sig	chr5_73382288
chr2	1.76E+08	176071862	+	8.977E-06	4.1164E-05	0.200901	hyper	sig	chr2_176071862
chr19	39891937	39891937	+	8.995E-06	4.1238E-05	0.20465	hyper	sig	chr19_39891937
chr11	65047610	65047610	+	9.001E-06	4.1262E-05	0.219084	hyper	sig	chr11_65047610
chr16	87618351	87618351	+	9.031E-06	4.1394E-05	-0.28022	hypo	sig	chr16_87618351
chr1	1.48E+08	148354577	+	9.035E-06	4.1408E-05	0.206569	hyper	sig	chr1_148354577
chr17	48722084	48722084	+	9.065E-06	4.1539E-05	0.208441	hyper	sig	chr17_48722084
chr7	63054464	63054464	+	9.069E-06	4.1557E-05	0.224702	hyper	sig	chr7_63054464
chr9	1.34E+08	134467037	+	9.118E-06	4.1768E-05	-0.20633	hypo	sig	chr9_134467037
chr5	66504162	66504162	+	9.125E-06	4.1799E-05	-0.21	hypo	sig	chr5_66504162
chr2	91658205	91658205	+	9.169E-06	4.1988E-05	-0.20714	hypo	sig	chr2_91658205

chr1	3115885	3115885	+	9.195E-06	4.2096E-05	-0.21439	hypo	sig	chr1_3115885
chr6	10390114	10390114	+	9.211E-06	4.2167E-05	0.235247	hyper	sig	chr6_10390114
chr16	3577340	3577340	+	9.265E-06	4.2398E-05	-0.20796	hypo	sig	chr16_3577340
chr4	1.74E+08	173538104	+	9.267E-06	4.2408E-05	0.204536	hyper	sig	chr4_173538104
chr7	27145517	27145517	+	9.324E-06	4.2654E-05	0.200058	hyper	sig	chr7_27145517
chr2	1.01E+08	101474921	+	9.345E-06	4.2744E-05	-0.21511	hypo	sig	chr2_101474921
chr1	16227950	16227950	+	9.362E-06	4.2818E-05	0.202293	hyper	sig	chr1_16227950
chr19	50638209	50638209	+	9.429E-06	4.3108E-05	-0.20481	hypo	sig	chr19_50638209
chr14	38210673	38210673	+	9.44E-06	4.3154E-05	0.241148	hyper	sig	chr14_38210673
chr10	86536830	86536830	+	9.468E-06	4.3279E-05	-0.2025	hypo	sig	chr10_86536830
chr15	37095398	37095398	+	9.473E-06	4.3297E-05	0.211515	hyper	sig	chr15_37095398
chr3	1.84E+08	184338861	+	9.49E-06	4.337E-05	0.206312	hyper	sig	chr3_184338861
chr6	1.69E+08	168886477	+	9.504E-06	4.3432E-05	-0.23358	hypo	sig	chr6_168886477
chr9	1.3E+08	129619775	+	9.529E-06	4.3539E-05	0.242051	hyper	sig	chr9_129619775
chr16	88890099	88890099	+	9.542E-06	4.3594E-05	-0.2187	hypo	sig	chr16_88890099
chr4	1192624	1192624	+	9.547E-06	4.3615E-05	0.202586	hyper	sig	chr4_1192624
chr20	58841241	58841241	+	9.555E-06	4.3652E-05	0.204621	hyper	sig	chr20_58841241
chr2	66446190	66446190	+	9.625E-06	4.3955E-05	0.204741	hyper	sig	chr2_66446190
chr9	1.3E+08	129890610	+	9.664E-06	4.412E-05	-0.20401	hypo	sig	chr9_129890610
chr3	1.7E+08	169666580	+	9.706E-06	4.43E-05	0.21471	hyper	sig	chr3_169666580
chr7	1.58E+08	158098046	+	9.739E-06	4.4442E-05	0.212356	hyper	sig	chr7_158098046
chr14	75979942	75979942	+	9.741E-06	4.4453E-05	0.216563	hyper	sig	chr14_75979942
chr17	41813879	41813879	+	9.762E-06	4.4538E-05	0.209559	hyper	sig	chr17_41813879
chr16	89102816	89102816	+	9.777E-06	4.4605E-05	-0.20047	hypo	sig	chr16_89102816
chr12	34370911	34370911	+	9.802E-06	4.4707E-05	-0.20491	hypo	sig	chr12_34370911
chr14	60655629	60655629	+	9.806E-06	4.4723E-05	0.203913	hyper	sig	chr14_60655629
chr19	7924778	7924778	+	9.807E-06	4.4727E-05	0.234384	hyper	sig	chr19_7924778
chr1	3771545	3771545	+	9.863E-06	4.4973E-05	0.220503	hyper	sig	chr1_3771545
chr4	8108459	8108459	+	9.876E-06	4.5026E-05	-0.25271	hypo	sig	chr4_8108459
chr7	1.53E+08	152925019	+	9.882E-06	4.5053E-05	0.204748	hyper	sig	chr7_152925019
chr9	21560356	21560356	+	9.916E-06	4.5201E-05	-0.20284	hypo	sig	chr9_21560356
chr1	9907687	9907687	+	9.944E-06	4.5318E-05	-0.22372	hypo	sig	chr1_9907687
chr4	15656034	15656034	+	9.945E-06	4.5324E-05	0.229553	hyper	sig	chr4_15656034
chr15	82043861	82043861	+	1.004E-05	4.5716E-05	0.215116	hyper	sig	chr15_82043861
chr19	38946903	38946903	+	1.005E-05	4.5766E-05	-0.22887	hypo	sig	chr19_38946903
chr9	84102452	84102452	+	1.005E-05	4.5772E-05	0.23113	hyper	sig	chr9_84102452
chr22	49850016	49850016	+	1.006E-05	4.5808E-05	0.210233	hyper	sig	chr22_49850016
chr1	2E+08	200038715	+	1.006E-05	4.5834E-05	0.22709	hyper	sig	chr1_200038715
chr20	29497648	29497648	+	1.011E-05	4.6026E-05	0.258057	hyper	sig	chr20_29497648
chr1	1.57E+08	156854241	+	1.014E-05	4.6134E-05	-0.20011	hypo	sig	chr1_156854241
chr15	52788156	52788156	+	1.016E-05	4.6241E-05	0.201652	hyper	sig	chr15_52788156
chr2	1.03E+08	102735869	+	1.018E-05	4.6306E-05	-0.21915	hypo	sig	chr2_102735869
chr11	44710221	44710221	+	1.019E-05	4.634E-05	-0.20302	hypo	sig	chr11_44710221
chr17	83092378	83092378	+	1.02E-05	4.6384E-05	-0.20492	hypo	sig	chr17_83092378
chr11	2410322	2410322	+	1.03E-05	4.6819E-05	0.211303	hyper	sig	chr11_2410322
chr14	1.03E+08	102545835	+	1.031E-05	4.687E-05	0.210316	hyper	sig	chr14_102545835
chr7	95773476	95773476	+	1.034E-05	4.6985E-05	0.215967	hyper	sig	chr7_95773476
chr15	77975748	77975748	+	1.037E-05	4.713E-05	0.235261	hyper	sig	chr15_77975748
chr4	1.9E+08	190017853	+	1.039E-05	4.7232E-05	0.208397	hyper	sig	chr4_190017853
chr21	46037742	46037742	+	1.04E-05	4.7278E-05	-0.21494	hypo	sig	chr21_46037742
chr10	8043106	8043106	+	1.046E-05	4.7506E-05	0.201102	hyper	sig	chr10_8043106
chr5	1.41E+08	141156075	+	1.048E-05	4.7591E-05	0.211889	hyper	sig	chr5_141156075
chr20	58841239	58841239	+	1.053E-05	4.7837E-05	0.200945	hyper	sig	chr20_58841239
chr7	1.12E+08	112130214	+	1.061E-05	4.815E-05	-0.20145	hypo	sig	chr7_112130214
chr5	73230410	73230410	+	1.064E-05	4.8301E-05	0.208465	hyper	sig	chr5_73230410
chr16	67968063	67968063	+	1.065E-05	4.8345E-05	0.224153	hyper	sig	chr16_67968063

chr1	2.41E+08	241357572	+	1.069E-05	4.8518E-05	0.202856	hyper	sig	chr1_241357572
chr12	38154261	38154261	+	1.071E-05	4.8597E-05	-0.22596	hypo	sig	chr12_38154261
chr19	57934840	57934840	+	1.073E-05	4.8685E-05	0.271281	hyper	sig	chr19_57934840
chr12	6478937	6478937	+	1.075E-05	4.8771E-05	-0.21238	hypo	sig	chr12_6478937
chr7	32071456	32071456	+	1.082E-05	4.9032E-05	0.201983	hyper	sig	chr7_32071456
chr2	2.42E+08	241818352	+	1.086E-05	4.9205E-05	-0.21123	hypo	sig	chr2_241818352
chr8	1.41E+08	141194176	+	1.086E-05	4.9234E-05	0.245585	hyper	sig	chr8_141194176
chr1	22282788	22282788	+	1.089E-05	4.9336E-05	0.219853	hyper	sig	chr1_22282788
chr2	1.19E+08	119240602	+	1.093E-05	4.9525E-05	0.202678	hyper	sig	chr2_119240602
chr7	182407	182407	+	1.094E-05	4.9566E-05	-0.20008	hypo	sig	chr7_182407
chr12	52424260	52424260	+	1.107E-05	5.0137E-05	0.207	hyper	sig	chr12_52424260
chr1	10779527	10779527	+	1.11E-05	5.0232E-05	-0.20622	hypo	sig	chr1_10779527
chr7	1.57E+08	157005833	+	1.111E-05	5.0278E-05	0.204456	hyper	sig	chr7_157005833
chr17	40782108	40782108	+	1.111E-05	5.0279E-05	-0.22251	hypo	sig	chr17_40782108
chr22	46661219	46661219	+	1.111E-05	5.0309E-05	-0.20092	hypo	sig	chr22_46661219
chr9	1.09E+08	109014420	+	1.117E-05	5.054E-05	0.205366	hyper	sig	chr9_109014420
chr19	4910876	4910876	+	1.126E-05	5.0946E-05	-0.21444	hypo	sig	chr19_4910876
chr7	48454315	48454315	+	1.13E-05	5.1094E-05	-0.23715	hypo	sig	chr7_48454315
chr11	64890714	64890714	+	1.131E-05	5.1144E-05	-0.2074	hypo	sig	chr11_64890714
chr2	81467595	81467595	+	1.138E-05	5.1435E-05	-0.23298	hypo	sig	chr2_81467595
chr6	41488703	41488703	+	1.142E-05	5.1627E-05	0.201469	hyper	sig	chr6_41488703
chr4	1.86E+08	185738074	+	1.154E-05	5.2106E-05	0.200061	hyper	sig	chr4_185738074
chr10	1.02E+08	101841419	+	1.154E-05	5.2128E-05	0.208894	hyper	sig	chr10_101841419
chr17	2747112	2747112	+	1.158E-05	5.2298E-05	-0.20747	hypo	sig	chr17_2747112
chr19	14223046	14223046	+	1.164E-05	5.2536E-05	-0.23856	hypo	sig	chr19_14223046
chr7	1.57E+08	157006144	+	1.172E-05	5.289E-05	0.218563	hyper	sig	chr7_157006144
chr16	87013477	87013477	+	1.175E-05	5.3006E-05	0.239728	hyper	sig	chr16_87013477
chr9	1.38E+08	137789155	+	1.18E-05	5.321E-05	-0.22225	hypo	sig	chr9_137789155
chr19	51713305	51713305	+	1.19E-05	5.3666E-05	-0.20337	hypo	sig	chr19_51713305
chr19	51688164	51688164	+	1.192E-05	5.3747E-05	0.214214	hyper	sig	chr19_51688164
chr8	1.43E+08	142771240	+	1.195E-05	5.3872E-05	0.223733	hyper	sig	chr8_142771240
chr1	1.44E+08	143698777	+	1.196E-05	5.3889E-05	0.205032	hyper	sig	chr1_143698777
chr10	1.33E+08	133098818	+	1.199E-05	5.4024E-05	-0.20552	hypo	sig	chr10_133098818
chr17	6557113	6557113	+	1.205E-05	5.4286E-05	0.201239	hyper	sig	chr17_6557113
chr1	21814304	21814304	+	1.21E-05	5.4482E-05	0.203878	hyper	sig	chr1_21814304
chr7	47520699	47520699	+	1.219E-05	5.486E-05	0.222186	hyper	sig	chr7_47520699
chr19	1525756	1525756	+	1.22E-05	5.4932E-05	-0.20283	hypo	sig	chr19_1525756
chr1	33051100	33051100	+	1.228E-05	5.5265E-05	0.204737	hyper	sig	chr1_33051100
chr6	1.68E+08	168197084	+	1.23E-05	5.5322E-05	-0.24392	hypo	sig	chr6_168197084
chr10	1.3E+08	129966770	+	1.24E-05	5.5778E-05	0.211866	hyper	sig	chr10_129966770
chr19	56538277	56538277	+	1.242E-05	5.5834E-05	0.201267	hyper	sig	chr19_56538277
chr4	1.4E+08	140251836	+	1.244E-05	5.5943E-05	-0.2315	hypo	sig	chr4_140251836
chr2	2.33E+08	232635016	+	1.246E-05	5.6006E-05	0.202555	hyper	sig	chr2_232635016
chr5	55222340	55222340	+	1.247E-05	5.6081E-05	0.233974	hyper	sig	chr5_55222340
chr3	1.54E+08	154430166	+	1.251E-05	5.6217E-05	0.209197	hyper	sig	chr3_154430166
chr4	11368716	11368716	+	1.252E-05	5.6282E-05	0.213444	hyper	sig	chr4_11368716
chr19	15453084	15453084	+	1.262E-05	5.6698E-05	0.204935	hyper	sig	chr19_15453084
chr17	50634219	50634219	+	1.268E-05	5.6934E-05	-0.26812	hypo	sig	chr17_50634219
chr3	75590446	75590446	+	1.277E-05	5.7315E-05	-0.21734	hypo	sig	chr3_75590446
chr1	21428909	21428909	+	1.278E-05	5.7387E-05	0.202554	hyper	sig	chr1_21428909
chr4	48484395	48484395	+	1.284E-05	5.7612E-05	0.202435	hyper	sig	chr4_48484395
chr1	1164082	1164082	+	1.284E-05	5.7638E-05	-0.21513	hypo	sig	chr1_1164082
chr19	41926799	41926799	+	1.284E-05	5.7647E-05	0.223868	hyper	sig	chr19_41926799
chr19	14118836	14118836	+	1.286E-05	5.7697E-05	0.20611	hyper	sig	chr19_14118836
chr9	1.36E+08	136250145	+	1.287E-05	5.7736E-05	0.20082	hyper	sig	chr9_136250145
chr21	44258195	44258195	+	1.287E-05	5.7751E-05	-0.20158	hypo	sig	chr21_44258195

chr17	78496566	78496566	+	1.288E-05	5.7783E-05	-0.2016	hypo	sig	chr17_78496566
chr2	1.24E+08	124025373	+	1.299E-05	5.8276E-05	0.20467	hyper	sig	chr2_124025373
chr17	82000492	82000492	+	1.314E-05	5.8904E-05	-0.20337	hypo	sig	chr17_82000492
chr7	30687710	30687710	+	1.322E-05	5.9208E-05	0.201958	hyper	sig	chr7_30687710
chr14	96739677	96739677	+	1.334E-05	5.9719E-05	-0.20221	hypo	sig	chr14_96739677
chr12	1.32E+08	131841631	+	1.337E-05	5.9848E-05	-0.20242	hypo	sig	chr12_131841631
chr12	1.21E+08	121240830	+	1.344E-05	6.0152E-05	0.202899	hyper	sig	chr12_121240830
chr6	30731222	30731222	+	1.346E-05	6.0218E-05	-0.20174	hypo	sig	chr6_30731222
chr19	49165563	49165563	+	1.36E-05	6.0833E-05	0.206873	hyper	sig	chr19_49165563
chr19	58055287	58055287	+	1.361E-05	6.0862E-05	0.23776	hyper	sig	chr19_58055287
chr1	2.37E+08	236686755	+	1.374E-05	6.1399E-05	0.205043	hyper	sig	chr1_236686755
chr6	1.37E+08	137496549	+	1.38E-05	6.1689E-05	0.201159	hyper	sig	chr6_137496549
chr11	2162275	2162275	+	1.381E-05	6.1729E-05	-0.21798	hypo	sig	chr11_2162275
chr16	29311096	29311096	+	1.381E-05	6.1732E-05	-0.21606	hypo	sig	chr16_29311096
chr3	74610320	74610320	+	1.387E-05	6.1985E-05	-0.20304	hypo	sig	chr3_74610320
chr19	48937303	48937303	+	1.39E-05	6.2095E-05	-0.21293	hypo	sig	chr19_48937303
chr19	23471119	23471119	+	1.396E-05	6.2337E-05	0.238735	hyper	sig	chr19_23471119
chr7	1241905	1241905	+	1.398E-05	6.2431E-05	0.2053	hyper	sig	chr7_1241905
chr15	79283292	79283292	+	1.42E-05	6.3345E-05	0.228936	hyper	sig	chr15_79283292
chr5	1.41E+08	141193935	+	1.42E-05	6.3358E-05	0.24884	hyper	sig	chr5_141193935
chr3	13204600	13204600	+	1.426E-05	6.3625E-05	0.201913	hyper	sig	chr3_13204600
chr4	1198231	1198231	+	1.435E-05	6.3979E-05	-0.20376	hypo	sig	chr4_1198231
chr19	19618239	19618239	+	1.441E-05	6.4244E-05	-0.21321	hypo	sig	chr19_19618239
chr5	77627928	77627928	+	1.446E-05	6.4441E-05	0.218125	hyper	sig	chr5_77627928
chr1	2.28E+08	228446513	+	1.447E-05	6.4492E-05	0.217546	hyper	sig	chr1_228446513
chr10	31602697	31602697	+	1.447E-05	6.4495E-05	0.241015	hyper	sig	chr10_31602697
chr1	9279637	9279637	+	1.451E-05	6.4641E-05	-0.21081	hypo	sig	chr1_9279637
chr6	10418783	10418783	+	1.452E-05	6.47E-05	0.20153	hyper	sig	chr6_10418783
chr16	73063179	73063179	+	1.457E-05	6.4888E-05	-0.20978	hypo	sig	chr16_73063179
chr2	2.39E+08	239015912	+	1.457E-05	6.4912E-05	0.223593	hyper	sig	chr2_239015912
chr16	68360755	68360755	+	1.467E-05	6.5331E-05	-0.21533	hypo	sig	chr16_68360755
chr15	33310961	33310961	+	1.478E-05	6.5765E-05	0.226656	hyper	sig	chr15_33310961
chr16	34015561	34015561	+	1.487E-05	6.6168E-05	-0.21775	hypo	sig	chr16_34015561
chr6	42744796	42744796	+	1.488E-05	6.6217E-05	0.214937	hyper	sig	chr6_42744796
chr16	1131840	1131840	+	1.496E-05	6.6552E-05	-0.20599	hypo	sig	chr16_1131840
chr12	6556014	6556014	+	1.5E-05	6.6713E-05	0.202584	hyper	sig	chr12_6556014
chr8	1.41E+08	140599170	+	1.501E-05	6.6754E-05	-0.21085	hypo	sig	chr8_140599170
chr7	1.59E+08	158806074	+	1.504E-05	6.6858E-05	0.231083	hyper	sig	chr7_158806074
chr7	71737661	71737661	+	1.509E-05	6.7071E-05	-0.21847	hypo	sig	chr7_71737661
chr19	57708826	57708826	+	1.509E-05	6.7088E-05	0.257982	hyper	sig	chr19_57708826
chr20	46541855	46541855	+	1.51E-05	6.7106E-05	0.212515	hyper	sig	chr20_46541855
chr5	77958045	77958045	+	1.517E-05	6.7405E-05	0.205902	hyper	sig	chr5_77958045
chr18	78634968	78634968	+	1.521E-05	6.758E-05	-0.20673	hypo	sig	chr18_78634968
chr22	42152473	42152473	+	1.529E-05	6.7917E-05	0.201786	hyper	sig	chr22_42152473
chr1	90717552	90717552	+	1.531E-05	6.7997E-05	0.221804	hyper	sig	chr1_90717552
chr5	1794811	1794811	+	1.537E-05	6.8258E-05	-0.2094	hypo	sig	chr5_1794811
chr7	2734692	2734692	+	1.539E-05	6.8363E-05	0.224941	hyper	sig	chr7_2734692
chr7	1.55E+08	154794613	+	1.544E-05	6.8548E-05	0.239292	hyper	sig	chr7_154794613
chr19	36776068	36776068	+	1.555E-05	6.8986E-05	0.205712	hyper	sig	chr19_36776068
chr7	4713446	4713446	+	1.564E-05	6.9367E-05	-0.21652	hypo	sig	chr7_4713446
chr10	3069372	3069372	+	1.566E-05	6.9476E-05	0.247037	hyper	sig	chr10_3069372
chr5	1.79E+08	178560575	+	1.567E-05	6.9492E-05	-0.21101	hypo	sig	chr5_178560575
chr19	50428706	50428706	+	1.571E-05	6.9676E-05	-0.20158	hypo	sig	chr19_50428706
chr10	73648189	73648189	+	1.591E-05	7.0529E-05	0.201548	hyper	sig	chr10_73648189
chr16	85262344	85262344	+	1.593E-05	7.0597E-05	-0.22716	hypo	sig	chr16_85262344
chr5	1475095	1475095	+	1.596E-05	7.0711E-05	-0.21468	hypo	sig	chr5_1475095

chr20	44330025	44330025	+	1.604E-05	7.1062E-05	0.212149	hyper	sig	chr20_44330025
chr19	35291420	35291420	+	1.615E-05	7.1533E-05	-0.21578	hypo	sig	chr19_35291420
chr1	2475294	2475294	+	1.651E-05	7.3014E-05	-0.20919	hypo	sig	chr1_2475294
chr1	9279650	9279650	+	1.67E-05	7.3793E-05	-0.2119	hypo	sig	chr1_9279650
chr19	40225991	40225991	+	1.675E-05	7.3998E-05	0.219543	hyper	sig	chr19_40225991
chr11	778571	778571	+	1.677E-05	7.4117E-05	-0.22256	hypo	sig	chr11_778571
chr2	3598758	3598758	+	1.679E-05	7.4175E-05	-0.2115	hypo	sig	chr2_3598758
chr19	13702491	13702491	+	1.68E-05	7.4243E-05	0.207874	hyper	sig	chr19_13702491
chr13	1.13E+08	112874364	+	1.683E-05	7.4356E-05	0.209431	hyper	sig	chr13_112874364
chr1	6465943	6465943	+	1.707E-05	7.5329E-05	0.201596	hyper	sig	chr1_6465943
chr19	57934851	57934851	+	1.731E-05	7.6348E-05	0.218969	hyper	sig	chr19_57934851
chr4	680787	680787	+	1.737E-05	7.6588E-05	0.201794	hyper	sig	chr4_680787
chr18	12254920	12254920	+	1.741E-05	7.6776E-05	0.206395	hyper	sig	chr18_12254920
chr11	61514395	61514395	+	1.746E-05	7.696E-05	-0.22159	hypo	sig	chr11_61514395
chr12	53993749	53993749	+	1.746E-05	7.6972E-05	0.209032	hyper	sig	chr12_53993749
chr17	72124326	72124326	+	1.746E-05	7.6982E-05	-0.20029	hypo	sig	chr17_72124326
chr12	85278760	85278760	+	1.758E-05	7.7458E-05	0.20841	hyper	sig	chr12_85278760
chr1	1.48E+08	148354078	+	1.762E-05	7.7623E-05	0.22377	hyper	sig	chr1_148354078
chr10	6228526	6228526	+	1.77E-05	7.7972E-05	-0.21545	hypo	sig	chr10_6228526
chr6	10417096	10417096	+	1.773E-05	7.8087E-05	0.208384	hyper	sig	chr6_10417096
chr19	10096802	10096802	+	1.782E-05	7.8449E-05	0.216833	hyper	sig	chr19_10096802
chr2	1.31E+08	131445330	+	1.79E-05	7.8773E-05	-0.20245	hypo	sig	chr2_131445330
chr21	44921550	44921550	+	1.807E-05	7.9491E-05	-0.20711	hypo	sig	chr21_44921550
chr4	8010715	8010715	+	1.811E-05	7.9643E-05	0.247835	hyper	sig	chr4_8010715
chr20	36860608	36860608	+	1.812E-05	7.9688E-05	0.211258	hyper	sig	chr20_36860608
chr9	1.37E+08	137148668	+	1.82E-05	8.0041E-05	0.217067	hyper	sig	chr9_137148668
chr20	34997333	34997333	+	1.821E-05	8.0041E-05	0.210113	hyper	sig	chr20_34997333
chr2	44768824	44768824	+	1.822E-05	8.0109E-05	0.20924	hyper	sig	chr2_44768824
chr1	24915702	24915702	+	1.836E-05	8.068E-05	-0.23803	hypo	sig	chr1_24915702
chr16	8866380	8866380	+	1.844E-05	8.102E-05	0.208319	hyper	sig	chr16_8866380
chr2	2.28E+08	228182151	+	1.874E-05	8.2233E-05	0.20575	hyper	sig	chr2_228182151
chr3	1.72E+08	172447692	+	1.876E-05	8.2333E-05	0.212994	hyper	sig	chr3_172447692
chr11	2301771	2301771	+	1.879E-05	8.246E-05	-0.20053	hypo	sig	chr11_2301771
chr11	1.17E+08	117444113	+	1.887E-05	8.2778E-05	-0.20042	hypo	sig	chr11_117444113
chr4	1.74E+08	173528445	+	1.896E-05	8.3153E-05	0.221454	hyper	sig	chr4_173528445
chr13	50127901	50127901	+	1.905E-05	8.3499E-05	0.221202	hyper	sig	chr13_50127901
chr11	61008243	61008243	+	1.907E-05	8.3606E-05	0.206177	hyper	sig	chr11_61008243
chr7	1.59E+08	158997194	+	1.911E-05	8.3744E-05	0.217786	hyper	sig	chr7_158997194
chr1	2.08E+08	207645276	+	1.935E-05	8.475E-05	0.204152	hyper	sig	chr1_207645276
chr14	45253813	45253813	+	1.935E-05	8.4777E-05	-0.21491	hypo	sig	chr14_45253813
chr1	2.1E+08	209676080	+	1.938E-05	8.4872E-05	0.204741	hyper	sig	chr1_209676080
chr7	99373169	99373169	+	1.938E-05	8.4893E-05	-0.21178	hypo	sig	chr7_99373169
chr10	1.24E+08	123665748	+	1.949E-05	8.5347E-05	0.222961	hyper	sig	chr10_123665748
chr1	20370869	20370869	+	1.967E-05	8.6056E-05	-0.20625	hypo	sig	chr1_20370869
chr22	23576182	23576182	+	1.97E-05	8.6214E-05	-0.20162	hypo	sig	chr22_23576182
chr20	4761750	4761750	+	1.972E-05	8.6259E-05	-0.20252	hypo	sig	chr20_4761750
chr4	2746395	2746395	+	1.993E-05	8.7154E-05	-0.20383	hypo	sig	chr4_2746395
chr9	96027774	96027774	+	2.001E-05	8.7487E-05	0.203754	hyper	sig	chr9_96027774
chr2	10912678	10912678	+	2.024E-05	8.8433E-05	0.208317	hyper	sig	chr2_10912678
chr16	89071636	89071636	+	2.04E-05	8.908E-05	-0.21353	hypo	sig	chr16_89071636
chr8	1.43E+08	143289310	+	2.041E-05	8.9113E-05	-0.21394	hypo	sig	chr8_143289310
chr3	1.84E+08	184339055	+	2.044E-05	8.925E-05	0.243478	hyper	sig	chr3_184339055
chr2	2.41E+08	240580192	+	2.055E-05	8.9676E-05	-0.23084	hypo	sig	chr2_240580192
chr20	63029488	63029488	+	2.06E-05	8.987E-05	0.200548	hyper	sig	chr20_63029488
chr19	53907805	53907805	+	2.066E-05	9.0115E-05	0.23903	hyper	sig	chr19_53907805
chr15	24878560	24878560	+	2.07E-05	9.0307E-05	0.200139	hyper	sig	chr15_24878560

chr22	49846036	49846036	+	2.072E-05	9.0359E-05	-0.20283	hypo	sig	chr22_49846036
chr6	1.59E+08	158545548	+	2.076E-05	9.0552E-05	-0.20791	hypo	sig	chr6_158545548
chr10	1.33E+08	133277602	+	2.08E-05	9.0712E-05	0.223271	hyper	sig	chr10_133277602
chr1	2809086	2809086	+	2.084E-05	9.0851E-05	-0.20648	hypo	sig	chr1_2809086
chr12	34289756	34289756	+	2.09E-05	9.1096E-05	-0.20114	hypo	sig	chr12_34289756
chr15	82043718	82043718	+	2.107E-05	9.18E-05	0.228641	hyper	sig	chr15_82043718
chr2	3536366	3536366	+	2.112E-05	9.1983E-05	0.203852	hyper	sig	chr2_3536366
chr15	70089147	70089147	+	2.117E-05	9.2227E-05	0.204204	hyper	sig	chr15_70089147
chr8	1.45E+08	144527980	+	2.13E-05	9.2761E-05	-0.2067	hypo	sig	chr8_144527980
chr2	2.38E+08	238131390	+	2.132E-05	9.281E-05	-0.21546	hypo	sig	chr2_238131390
chr2	29011741	29011741	+	2.138E-05	9.3065E-05	-0.22245	hypo	sig	chr2_29011741
chr16	474475	474475	+	2.141E-05	9.3185E-05	-0.21304	hypo	sig	chr16_474475
chr11	14907593	14907593	+	2.164E-05	9.4128E-05	-0.22817	hypo	sig	chr11_14907593
chr3	53844747	53844747	+	2.169E-05	9.432E-05	-0.20484	hypo	sig	chr3_53844747
chr16	1290379	1290379	+	2.175E-05	9.4582E-05	0.222844	hyper	sig	chr16_1290379
chr7	27252473	27252473	+	2.181E-05	9.4827E-05	0.245088	hyper	sig	chr7_27252473
chr16	1692189	1692189	+	2.183E-05	9.4904E-05	-0.21834	hypo	sig	chr16_1692189
chr11	358330	358330	+	2.187E-05	9.5072E-05	0.205447	hyper	sig	chr11_358330
chr7	2932430	2932430	+	2.19E-05	9.5177E-05	-0.21196	hypo	sig	chr7_2932430
chr10	75407258	75407258	+	2.204E-05	9.5742E-05	0.225401	hyper	sig	chr10_75407258
chr19	50548707	50548707	+	2.214E-05	9.6148E-05	-0.22081	hypo	sig	chr19_50548707
chr4	1.83E+08	183399214	+	2.232E-05	9.6896E-05	-0.21565	hypo	sig	chr4_183399214
chr17	48727497	48727497	+	2.247E-05	9.7525E-05	0.217476	hyper	sig	chr17_48727497
chr19	56642793	56642793	+	2.256E-05	9.7884E-05	0.210946	hyper	sig	chr19_56642793
chr9	94332773	94332773	+	2.257E-05	9.794E-05	0.207919	hyper	sig	chr9_94332773
chr10	1.01E+08	100750587	+	2.259E-05	9.8002E-05	0.200908	hyper	sig	chr10_100750587
chr5	1.41E+08	140835789	+	2.27E-05	9.8461E-05	0.243041	hyper	sig	chr5_140835789
chr20	34997379	34997379	+	2.3E-05	9.9667E-05	0.209804	hyper	sig	chr20_34997379
chr22	43171433	43171433	+	2.302E-05	9.9762E-05	0.207755	hyper	sig	chr22_43171433
chr8	1.45E+08	144619727	+	2.311E-05	0.00010012	0.231818	hyper	sig	chr8_144619727
chr19	2305192	2305192	+	2.313E-05	0.00010018	-0.21396	hypo	sig	chr19_2305192
chr1	3550562	3550562	+	2.329E-05	0.00010083	-0.24004	hypo	sig	chr1_3550562
chr17	48544737	48544737	+	2.341E-05	0.00010133	0.22685	hyper	sig	chr17_48544737
chr3	1.38E+08	137762095	+	2.356E-05	0.00010194	0.210548	hyper	sig	chr3_137762095
chr9	42974981	42974981	+	2.37E-05	0.00010251	0.212267	hyper	sig	chr9_42974981
chr17	74917159	74917159	+	2.373E-05	0.00010261	-0.21557	hypo	sig	chr17_74917159
chr2	42492772	42492772	+	2.374E-05	0.00010265	0.208986	hyper	sig	chr2_42492772
chr19	35872029	35872029	+	2.378E-05	0.00010281	-0.21738	hypo	sig	chr19_35872029
chr10	1.33E+08	132519046	+	2.382E-05	0.000103	-0.20629	hypo	sig	chr10_132519046
chr8	52561560	52561560	+	2.392E-05	0.00010337	-0.22597	hypo	sig	chr8_52561560
chr9	1.22E+08	122220650	+	2.406E-05	0.00010393	0.202844	hyper	sig	chr9_122220650
chr19	53308264	53308264	+	2.418E-05	0.00010442	0.22319	hyper	sig	chr19_53308264
chr2	2.41E+08	240580410	+	2.433E-05	0.00010506	-0.21117	hypo	sig	chr2_240580410
chr16	15093283	15093283	+	2.442E-05	0.00010541	-0.21243	hypo	sig	chr16_15093283
chr20	25296219	25296219	+	2.448E-05	0.00010563	0.210563	hyper	sig	chr20_25296219
chr5	94568436	94568436	+	2.448E-05	0.00010564	-0.21439	hypo	sig	chr5_94568436
chr19	362276	362276	+	2.448E-05	0.00010565	-0.20956	hypo	sig	chr19_362276
chr8	1.1E+08	109645751	+	2.452E-05	0.00010582	-0.2104	hypo	sig	chr8_109645751
chr17	2777465	2777465	+	2.462E-05	0.0001062	0.202901	hyper	sig	chr17_2777465
chr6	1.26E+08	125533997	+	2.485E-05	0.00010715	0.251515	hyper	sig	chr6_125533997
chr19	552948	552948	+	2.494E-05	0.00010752	-0.21128	hypo	sig	chr19_552948
chr10	1.32E+08	132274769	+	2.505E-05	0.00010794	-0.2432	hypo	sig	chr10_132274769
chr9	1.33E+08	132583179	+	2.533E-05	0.00010907	0.234489	hyper	sig	chr9_132583179
chr3	1.39E+08	139006040	+	2.537E-05	0.00010925	0.209544	hyper	sig	chr3_139006040
chr8	56118058	56118058	+	2.548E-05	0.00010971	0.204826	hyper	sig	chr8_56118058
chr12	54019388	54019388	+	2.55E-05	0.00010976	0.210207	hyper	sig	chr12_54019388

chr16	31214636	31214636	+	2.551E-05	0.00010981	0.206199	hyper	sig	chr16_31214636
chr10	1.32E+08	132272189	+	2.555E-05	0.00010999	-0.221	hypo	sig	chr10_132272189
chr12	1820304	1820304	+	2.556E-05	0.00011001	0.208232	hyper	sig	chr12_1820304
chr2	1.72E+08	172080994	+	2.573E-05	0.00011068	0.20851	hyper	sig	chr2_172080994
chr4	7448098	7448098	+	2.584E-05	0.00011113	-0.20295	hypo	sig	chr4_7448098
chr6	1.7E+08	170023580	+	2.595E-05	0.00011156	0.239622	hyper	sig	chr6_170023580
chr20	46178943	46178943	+	2.597E-05	0.00011165	-0.20431	hypo	sig	chr20_46178943
chr11	32428454	32428454	+	2.599E-05	0.00011172	0.214273	hyper	sig	chr11_32428454
chr10	68232081	68232081	+	2.6E-05	0.00011177	0.219819	hyper	sig	chr10_68232081
chr2	1.76E+08	176071898	+	2.602E-05	0.00011186	0.20098	hyper	sig	chr2_176071898
chr17	81122312	81122312	+	2.632E-05	0.00011306	0.223064	hyper	sig	chr17_81122312
chr19	1399089	1399089	+	2.632E-05	0.00011307	-0.22321	hypo	sig	chr19_1399089
chr5	2041373	2041373	+	2.639E-05	0.00011334	-0.20473	hypo	sig	chr5_2041373
chr2	2.41E+08	240580189	+	2.64E-05	0.00011338	-0.21151	hypo	sig	chr2_240580189
chr2	98932689	98932689	+	2.647E-05	0.00011367	-0.21452	hypo	sig	chr2_98932689
chr21	32413776	32413776	+	2.656E-05	0.00011405	-0.20496	hypo	sig	chr21_32413776
chr1	22590368	22590368	+	2.678E-05	0.00011493	-0.20485	hypo	sig	chr1_22590368
chr15	39933477	39933477	+	2.678E-05	0.00011494	-0.23874	hypo	sig	chr15_39933477
chr7	4754276	4754276	+	2.68E-05	0.00011501	0.216046	hyper	sig	chr7_4754276
chr6	14785007	14785007	+	2.705E-05	0.00011605	0.223297	hyper	sig	chr6_14785007
chr19	50521336	50521336	+	2.714E-05	0.00011638	-0.20214	hypo	sig	chr19_50521336
chr7	1.38E+08	137844070	+	2.722E-05	0.00011673	-0.25634	hypo	sig	chr7_137844070
chr11	44520132	44520132	+	2.739E-05	0.00011739	0.211927	hyper	sig	chr11_44520132
chr5	1732674	1732674	+	2.753E-05	0.00011796	-0.205	hypo	sig	chr5_1732674
chr15	24878488	24878488	+	2.757E-05	0.00011811	0.21177	hyper	sig	chr15_24878488
chr7	1.51E+08	151125616	+	2.778E-05	0.00011897	0.256562	hyper	sig	chr7_151125616
chr2	1.13E+08	113235353	+	2.804E-05	0.00012002	-0.20542	hypo	sig	chr2_113235353
chr12	49334475	49334475	+	2.806E-05	0.00012009	0.211934	hyper	sig	chr12_49334475
chr7	1.57E+08	156607975	+	2.816E-05	0.0001205	0.204961	hyper	sig	chr7_156607975
chr17	806725	806725	+	2.887E-05	0.00012332	-0.20076	hypo	sig	chr17_806725
chr16	30896967	30896967	+	2.892E-05	0.00012352	0.204823	hyper	sig	chr16_30896967
chr16	1064961	1064961	+	2.905E-05	0.00012405	0.223411	hyper	sig	chr16_1064961
chr12	1.32E+08	132284328	+	2.91E-05	0.00012427	0.209497	hyper	sig	chr12_132284328
chr15	1.01E+08	100974016	+	2.925E-05	0.00012485	0.203343	hyper	sig	chr15_100974016
chr15	77604732	77604732	+	2.929E-05	0.000125	0.208053	hyper	sig	chr15_77604732
chr19	58055314	58055314	+	2.936E-05	0.0001253	0.2366	hyper	sig	chr19_58055314
chr2	2.38E+08	238227764	+	2.954E-05	0.000126	-0.20145	hypo	sig	chr2_238227764
chr8	43549315	43549315	+	2.978E-05	0.00012699	-0.21191	hypo	sig	chr8_43549315
chr5	1.1E+08	109884642	+	3.005E-05	0.00012804	-0.24494	hypo	sig	chr5_109884642
chr1	1.57E+08	156642313	+	3.023E-05	0.00012876	0.200777	hyper	sig	chr1_156642313
chr10	3069358	3069358	+	3.053E-05	0.00012997	0.200707	hyper	sig	chr10_3069358
chr1	16759152	16759152	+	3.079E-05	0.00013099	0.233872	hyper	sig	chr1_16759152
chr19	52453757	52453757	+	3.101E-05	0.00013187	0.207662	hyper	sig	chr19_52453757
chr2	2.42E+08	241818271	+	3.121E-05	0.00013266	-0.20334	hypo	sig	chr2_241818271
chr4	1057424	1057424	+	3.122E-05	0.00013272	-0.21867	hypo	sig	chr4_1057424
chr12	50033036	50033036	+	3.139E-05	0.00013338	0.21997	hyper	sig	chr12_50033036
chr12	51917878	51917878	+	3.214E-05	0.00013638	0.214067	hyper	sig	chr12_51917878
chr2	2.33E+08	232634710	+	3.215E-05	0.00013641	0.219365	hyper	sig	chr2_232634710
chr12	1.2E+08	119594556	+	3.225E-05	0.00013679	0.219532	hyper	sig	chr12_119594556
chr1	1455785	1455785	+	3.226E-05	0.00013685	-0.2068	hypo	sig	chr1_1455785
chr2	44768826	44768826	+	3.261E-05	0.00013823	0.203693	hyper	sig	chr2_44768826
chr13	30418720	30418720	+	3.285E-05	0.00013917	0.213679	hyper	sig	chr13_30418720
chr3	1.27E+08	126550074	+	3.33E-05	0.00014094	-0.22108	hypo	sig	chr3_126550074
chr5	1871610	1871610	+	3.33E-05	0.00014095	-0.21216	hypo	sig	chr5_1871610
chr9	6644397	6644397	+	3.334E-05	0.00014112	0.216258	hyper	sig	chr9_6644397
chr1	11501817	11501817	+	3.346E-05	0.00014159	0.200641	hyper	sig	chr1_11501817

chr19	17751131	17751131	+	3.391E-05	0.00014338	-0.20281	hypo	sig	chr19_17751131
chr3	28240526	28240526	+	3.406E-05	0.000144	-0.20193	hypo	sig	chr3_28240526
chr6	1.12E+08	112367458	+	3.426E-05	0.00014479	0.23114	hyper	sig	chr6_112367458
chr17	81449100	81449100	+	3.43E-05	0.00014495	-0.2145	hypo	sig	chr17_81449100
chr16	54288672	54288672	+	3.433E-05	0.00014507	0.241844	hyper	sig	chr16_54288672
chr17	50634325	50634325	+	3.446E-05	0.00014556	-0.20159	hypo	sig	chr17_50634325
chr15	23897736	23897736	+	3.461E-05	0.00014617	0.216565	hyper	sig	chr15_23897736
chr5	957888	957888	+	3.537E-05	0.00014918	-0.21374	hypo	sig	chr5_957888
chr20	37521632	37521632	+	3.541E-05	0.00014933	0.203712	hyper	sig	chr20_37521632
chr7	5606147	5606147	+	3.543E-05	0.00014942	-0.20065	hypo	sig	chr7_5606147
chr7	1.02E+08	102321884	+	3.554E-05	0.00014983	-0.21901	hypo	sig	chr7_102321884
chr19	33798914	33798914	+	3.56E-05	0.00015007	0.206345	hyper	sig	chr19_33798914
chr12	3369370	3369370	+	3.561E-05	0.00015011	-0.215	hypo	sig	chr12_3369370
chr14	1.04E+08	104216305	+	3.57E-05	0.00015048	-0.21974	hypo	sig	chr14_104216305
chr7	485991	485991	+	3.59E-05	0.00015127	-0.20168	hypo	sig	chr7_485991
chr21	46140116	46140116	+	3.601E-05	0.00015171	-0.2152	hypo	sig	chr21_46140116
chr12	34304024	34304024	+	3.611E-05	0.00015211	-0.21178	hypo	sig	chr12_34304024
chr22	45972796	45972796	+	3.631E-05	0.00015291	0.213199	hyper	sig	chr22_45972796
chr13	98472124	98472124	+	3.65E-05	0.00015364	-0.2048	hypo	sig	chr13_98472124
chr2	636639	636639	+	3.655E-05	0.00015382	0.207244	hyper	sig	chr2_636639
chr2	1.82E+08	181678608	+	3.66E-05	0.00015403	0.202123	hyper	sig	chr2_181678608
chr19	36776066	36776066	+	3.676E-05	0.00015464	0.213475	hyper	sig	chr19_36776066
chr1	2338363	2338363	+	3.7E-05	0.0001556	-0.20169	hypo	sig	chr1_2338363
chr5	1865548	1865548	+	3.705E-05	0.0001558	-0.26546	hypo	sig	chr5_1865548
chr9	1.22E+08	122227153	+	3.742E-05	0.00015725	0.223039	hyper	sig	chr9_122227153
chr18	13136264	13136264	+	3.852E-05	0.00016159	-0.22327	hypo	sig	chr18_13136264
chr11	69643962	69643962	+	3.857E-05	0.00016176	0.227575	hyper	sig	chr11_69643962
chr19	55452553	55452553	+	3.863E-05	0.000162	0.20593	hyper	sig	chr19_55452553
chr20	25470203	25470203	+	3.87E-05	0.0001623	-0.20033	hypo	sig	chr20_25470203
chr4	13541021	13541021	+	3.952E-05	0.00016552	0.212926	hyper	sig	chr4_13541021
chr7	2718030	2718030	+	3.954E-05	0.00016558	0.20424	hyper	sig	chr7_2718030
chr10	1169500	1169500	+	3.981E-05	0.00016664	-0.20212	hypo	sig	chr10_1169500
chr6	695440	695440	+	4.005E-05	0.00016759	-0.20208	hypo	sig	chr6_695440
chr6	33275610	33275610	+	4.006E-05	0.00016762	-0.20623	hypo	sig	chr6_33275610
chr16	68745124	68745124	+	4.029E-05	0.00016854	-0.21475	hypo	sig	chr16_68745124
chr12	52233758	52233758	+	4.068E-05	0.00017005	0.23285	hyper	sig	chr12_52233758
chr16	29220911	29220911	+	4.072E-05	0.00017022	0.228928	hyper	sig	chr16_29220911
chr16	29220901	29220901	+	4.075E-05	0.00017034	0.201438	hyper	sig	chr16_29220901
chr7	1211745	1211745	+	4.102E-05	0.00017138	-0.21698	hypo	sig	chr7_1211745
chr1	41383596	41383596	+	4.123E-05	0.00017221	0.210841	hyper	sig	chr1_41383596
chr20	46011279	46011279	+	4.132E-05	0.00017255	0.21688	hyper	sig	chr20_46011279
chr1	2.26E+08	225945225	+	4.146E-05	0.0001731	-0.22034	hypo	sig	chr1_225945225
chr17	81672519	81672519	+	4.178E-05	0.00017434	-0.20099	hypo	sig	chr17_81672519
chr17	18382602	18382602	+	4.25E-05	0.00017715	0.201644	hyper	sig	chr17_18382602
chr19	1525788	1525788	+	4.301E-05	0.00017915	-0.20347	hypo	sig	chr19_1525788
chr9	6644464	6644464	+	4.34E-05	0.00018065	0.203922	hyper	sig	chr9_6644464
chr19	49210395	49210395	+	4.35E-05	0.00018102	0.211975	hyper	sig	chr19_49210395
chr16	87067205	87067205	+	4.396E-05	0.00018286	-0.2218	hypo	sig	chr16_87067205
chr3	1.94E+08	194397460	+	4.41E-05	0.00018338	0.207411	hyper	sig	chr3_194397460
chr1	37638926	37638926	+	4.429E-05	0.00018412	-0.20833	hypo	sig	chr1_37638926
chr11	67031747	67031747	+	4.492E-05	0.00018657	-0.20601	hypo	sig	chr11_67031747
chr20	45316976	45316976	+	4.51E-05	0.00018725	0.20949	hyper	sig	chr20_45316976
chr1	10415216	10415216	+	4.516E-05	0.00018751	-0.20288	hypo	sig	chr1_10415216
chr7	1.59E+08	159154599	+	4.52E-05	0.00018766	-0.20276	hypo	sig	chr7_159154599
chr2	1.76E+08	176103939	+	4.566E-05	0.00018945	0.201632	hyper	sig	chr2_176103939
chr1	3389887	3389887	+	4.602E-05	0.00019083	0.203125	hyper	sig	chr1_3389887

chr19	49928245	49928245	+	4.643E-05	0.00019242	-0.20484	hypo	sig	chr19_49928245
chr8	32647263	32647263	+	4.652E-05	0.00019276	0.208583	hyper	sig	chr8_32647263
chr19	5792757	5792757	+	4.656E-05	0.00019291	-0.2047	hypo	sig	chr19_5792757
chr16	54291779	54291779	+	4.662E-05	0.00019317	0.216806	hyper	sig	chr16_54291779
chr16	1177596	1177596	+	4.685E-05	0.00019405	-0.26889	hypo	sig	chr16_1177596
chr10	413871	413871	+	4.689E-05	0.0001942	-0.21299	hypo	sig	chr10_413871
chr17	42680192	42680192	+	4.693E-05	0.00019436	0.204972	hyper	sig	chr17_42680192
chr18	8718676	8718676	+	4.835E-05	0.00019986	0.202976	hyper	sig	chr18_8718676
chr10	1672174	1672174	+	4.837E-05	0.00019991	-0.2149	hypo	sig	chr10_1672174
chr1	2.28E+08	228058672	+	4.904E-05	0.00020252	0.205532	hyper	sig	chr1_228058672
chr21	45454329	45454329	+	5.003E-05	0.0002063	0.211221	hyper	sig	chr21_45454329
chr3	1.28E+08	128486226	+	5.028E-05	0.00020725	0.212745	hyper	sig	chr3_128486226
chr7	73886663	73886663	+	5.044E-05	0.00020787	0.227913	hyper	sig	chr7_73886663
chr20	61773209	61773209	+	5.061E-05	0.00020854	-0.2002	hypo	sig	chr20_61773209
chr2	23663175	23663175	+	5.066E-05	0.00020872	0.209946	hyper	sig	chr2_23663175
chr15	24878483	24878483	+	5.113E-05	0.00021052	0.239458	hyper	sig	chr15_24878483
chr17	4745976	4745976	+	5.114E-05	0.00021055	0.224113	hyper	sig	chr17_4745976
chr10	1.33E+08	133197012	+	5.153E-05	0.00021203	-0.20257	hypo	sig	chr10_133197012
chr2	2.41E+08	241200117	+	5.158E-05	0.00021225	-0.22896	hypo	sig	chr2_241200117
chr16	11249702	11249702	+	5.164E-05	0.00021246	-0.20991	hypo	sig	chr16_11249702
chr2	2.4E+08	239724509	+	5.175E-05	0.00021288	-0.20545	hypo	sig	chr2_239724509
chr19	1319143	1319143	+	5.187E-05	0.00021333	-0.20025	hypo	sig	chr19_1319143
chr4	9781349	9781349	+	5.193E-05	0.00021356	0.20532	hyper	sig	chr4_9781349
chr13	1.14E+08	114066017	+	5.24E-05	0.0002154	-0.21613	hypo	sig	chr13_114066017
chr19	58034886	58034886	+	5.335E-05	0.00021904	0.22306	hyper	sig	chr19_58034886
chr3	1.98E+08	197520098	+	5.47E-05	0.00022421	-0.20057	hypo	sig	chr3_197520098
chr7	6528799	6528799	+	5.491E-05	0.00022505	-0.20305	hypo	sig	chr7_6528799
chr12	1.24E+08	124387696	+	5.59E-05	0.00022884	0.206639	hyper	sig	chr12_124387696
chr11	61392053	61392053	+	5.638E-05	0.00023064	-0.22985	hypo	sig	chr11_61392053
chr6	10389953	10389953	+	5.677E-05	0.00023216	0.22028	hyper	sig	chr6_10389953
chr19	18225597	18225597	+	5.698E-05	0.00023295	0.212058	hyper	sig	chr19_18225597
chr2	42492714	42492714	+	5.721E-05	0.00023386	0.219844	hyper	sig	chr2_42492714
chr3	52054634	52054634	+	5.732E-05	0.00023427	-0.21671	hypo	sig	chr3_52054634
chr20	31513926	31513926	+	5.786E-05	0.00023634	-0.21624	hypo	sig	chr20_31513926
chr17	48554446	48554446	+	5.787E-05	0.00023635	0.21073	hyper	sig	chr17_48554446
chr19	1009251	1009251	+	5.808E-05	0.00023715	0.213943	hyper	sig	chr19_1009251
chr16	88745034	88745034	+	5.912E-05	0.00024113	0.234916	hyper	sig	chr16_88745034
chr13	1.12E+08	112342607	+	5.926E-05	0.00024167	-0.2225	hypo	sig	chr13_112342607
chr11	1454722	1454722	+	5.965E-05	0.00024318	0.203232	hyper	sig	chr11_1454722
chr16	8866389	8866389	+	5.994E-05	0.00024426	0.223732	hyper	sig	chr16_8866389
chr20	23035645	23035645	+	6.012E-05	0.00024496	0.200375	hyper	sig	chr20_23035645
chr5	772541	772541	+	6.014E-05	0.00024502	-0.20214	hypo	sig	chr5_772541
chr3	1.38E+08	137762114	+	6.023E-05	0.00024538	0.247923	hyper	sig	chr3_137762114
chr7	1603637	1603637	+	6.037E-05	0.00024591	-0.22924	hypo	sig	chr7_1603637
chr4	1.52E+08	151676429	+	6.095E-05	0.00024812	0.204907	hyper	sig	chr4_151676429
chr16	10180730	10180730	+	6.111E-05	0.00024874	0.234647	hyper	sig	chr16_10180730
chr1	38559270	38559270	+	6.142E-05	0.0002499	-0.2239	hypo	sig	chr1_38559270
chr9	1.34E+08	133918227	+	6.29E-05	0.00025555	0.238066	hyper	sig	chr9_133918227
chr8	1.04E+08	104339502	+	6.358E-05	0.00025811	-0.21269	hypo	sig	chr8_104339502
chr16	1532341	1532341	+	6.407E-05	0.00025992	0.209793	hyper	sig	chr16_1532341
chr7	1920296	1920296	+	6.416E-05	0.00026026	-0.2013	hypo	sig	chr7_1920296
chr20	46012496	46012496	+	6.595E-05	0.00026706	0.200437	hyper	sig	chr20_46012496
chr17	39868161	39868161	+	6.607E-05	0.00026751	0.212181	hyper	sig	chr17_39868161
chr9	1.22E+08	122220659	+	6.704E-05	0.00027119	0.203006	hyper	sig	chr9_122220659
chr12	49334480	49334480	+	6.756E-05	0.00027315	0.200868	hyper	sig	chr12_49334480
chr11	65354100	65354100	+	6.892E-05	0.00027827	0.220034	hyper	sig	chr11_65354100

chr6	43276289	43276289	+	7.005E-05	0.0002825	-0.2328	hypo	sig	chr6_43276289
chr19	37855431	37855431	+	7.15E-05	0.00028801	0.202949	hyper	sig	chr19_37855431
chr3	1.3E+08	129556903	+	7.179E-05	0.00028909	0.203845	hyper	sig	chr3_129556903
chr2	42492738	42492738	+	7.189E-05	0.00028946	0.217616	hyper	sig	chr2_42492738
chr6	1.16E+08	116103560	+	7.206E-05	0.0002901	-0.23677	hypo	sig	chr6_116103560
chr17	39868169	39868169	+	7.257E-05	0.00029201	0.209959	hyper	sig	chr17_39868169
chr16	89101882	89101882	+	7.345E-05	0.00029533	-0.2303	hypo	sig	chr16_89101882
chr3	13934312	13934312	+	7.361E-05	0.00029594	-0.22848	hypo	sig	chr3_13934312
chr9	1.38E+08	137789132	+	7.437E-05	0.00029881	-0.20408	hypo	sig	chr9_137789132
chr5	1.41E+08	141345485	+	7.449E-05	0.00029929	0.207904	hyper	sig	chr5_141345485
chr17	7041808	7041808	+	7.536E-05	0.00030255	-0.20073	hypo	sig	chr17_7041808
chr2	44997366	44997366	+	7.546E-05	0.00030291	-0.20204	hypo	sig	chr2_44997366
chr14	1.05E+08	104660915	+	7.691E-05	0.00030835	-0.203	hypo	sig	chr14_104660915
chr16	54290185	54290185	+	7.734E-05	0.00030996	0.216733	hyper	sig	chr16_54290185
chr12	48994616	48994616	+	7.751E-05	0.00031059	0.204208	hyper	sig	chr12_48994616
chr3	1.25E+08	125211884	+	7.814E-05	0.00031295	-0.24639	hypo	sig	chr3_125211884
chr5	1962556	1962556	+	7.903E-05	0.00031628	-0.26999	hypo	sig	chr5_1962556
chr3	39281725	39281725	+	7.918E-05	0.00031683	-0.22471	hypo	sig	chr3_39281725
chr17	32487914	32487914	+	7.945E-05	0.00031783	0.2056	hyper	sig	chr17_32487914
chr19	45674033	45674033	+	8.099E-05	0.00032359	-0.20168	hypo	sig	chr19_45674033
chr15	24878479	24878479	+	8.245E-05	0.00032905	0.21003	hyper	sig	chr15_24878479
chr19	45306007	45306007	+	8.346E-05	0.0003328	-0.22394	hypo	sig	chr19_45306007
chr1	41383474	41383474	+	8.428E-05	0.00033589	0.205001	hyper	sig	chr1_41383474
chr12	53975378	53975378	+	8.45E-05	0.0003367	0.204429	hyper	sig	chr12_53975378
chr4	805286	805286	+	8.556E-05	0.00034065	-0.20534	hypo	sig	chr4_805286
chr3	1.94E+08	194397437	+	8.587E-05	0.00034182	0.210501	hyper	sig	chr3_194397437
chr9	89484199	89484199	+	8.721E-05	0.00034678	-0.20281	hypo	sig	chr9_89484199
chr16	54283145	54283145	+	9.048E-05	0.00035892	0.204517	hyper	sig	chr16_54283145
chr16	2019006	2019006	+	9.104E-05	0.00036098	-0.20186	hypo	sig	chr16_2019006
chr20	41362284	41362284	+	9.133E-05	0.00036206	-0.20353	hypo	sig	chr20_41362284
chr3	46479823	46479823	+	9.198E-05	0.00036449	0.212067	hyper	sig	chr3_46479823
chr14	64197027	64197027	+	9.273E-05	0.00036726	0.208284	hyper	sig	chr14_64197027
chr2	25250766	25250766	+	9.697E-05	0.00038285	0.202028	hyper	sig	chr2_25250766
chr19	7924769	7924769	+	9.808E-05	0.00038697	0.209604	hyper	sig	chr19_7924769
chr16	58491328	58491328	+	9.822E-05	0.00038748	-0.20243	hypo	sig	chr16_58491328
chr19	19618184	19618184	+	9.987E-05	0.00039352	-0.24946	hypo	sig	chr19_19618184
chr6	1.68E+08	167797089	+	0.000103	0.00040489	-0.223	hypo	sig	chr6_167797089
chr12	3590937	3590937	+	0.0001046	0.00041086	-0.20448	hypo	sig	chr12_3590937
chr17	76542653	76542653	+	0.0001061	0.00041617	-0.2031	hypo	sig	chr17_76542653
chr13	1.14E+08	113981535	+	0.000109	0.0004269	-0.20794	hypo	sig	chr13_113981535
chr13	50127908	50127908	+	0.0001157	0.00045135	0.208062	hyper	sig	chr13_50127908
chr5	1225685	1225685	+	0.0001157	0.00045159	-0.20603	hypo	sig	chr5_1225685
chr7	27142973	27142973	+	0.0001163	0.0004536	0.235082	hyper	sig	chr7_27142973
chr8	37843400	37843400	+	0.0001164	0.00045411	0.205848	hyper	sig	chr8_37843400
chr7	1920282	1920282	+	0.0001165	0.00045436	-0.22797	hypo	sig	chr7_1920282
chr2	2.32E+08	231663002	+	0.0001178	0.00045894	-0.21198	hypo	sig	chr2_231663002
chr5	73230287	73230287	+	0.0001178	0.00045904	0.223094	hyper	sig	chr5_73230287
chr1	41383469	41383469	+	0.0001182	0.00046051	0.208709	hyper	sig	chr1_41383469
chr11	60951063	60951063	+	0.0001188	0.00046293	0.219356	hyper	sig	chr11_60951063
chr5	88667884	88667884	+	0.00012	0.00046704	0.20248	hyper	sig	chr5_88667884
chr6	32076719	32076719	+	0.0001207	0.00046963	-0.20211	hypo	sig	chr6_32076719
chr12	53993723	53993723	+	0.0001279	0.00049595	0.218067	hyper	sig	chr12_53993723
chr2	1.21E+08	120986989	+	0.000128	0.00049617	-0.22644	hypo	sig	chr2_120986989
chr20	37903684	37903684	+	0.0001322	0.0005111	0.213204	hyper	sig	chr20_37903684
chr1	90717558	90717558	+	0.0001323	0.00051157	0.20337	hyper	sig	chr1_90717558
chr5	1.41E+08	141151127	+	0.000133	0.00051402	0.206695	hyper	sig	chr5_141151127

chr7	1.59E+08	158586344	+	0.0001341	0.00051809	0.205049	hyper	sig	chr7_158586344
chr16	57623602	57623602	+	0.0001362	0.00052551	-0.20085	hypo	sig	chr16_57623602
chr17	76354821	76354821	+	0.0001393	0.00053666	-0.2088	hypo	sig	chr17_76354821
chr17	65573324	65573324	+	0.0001398	0.0005386	-0.20844	hypo	sig	chr17_65573324
chr5	1.41E+08	141409599	+	0.0001411	0.00054324	0.205538	hyper	sig	chr5_141409599
chr2	3598750	3598750	+	0.0001438	0.00055302	-0.20371	hypo	sig	chr2_3598750
chr19	41090436	41090436	+	0.0001446	0.00055581	0.203832	hyper	sig	chr19_41090436
chr14	1.05E+08	104660892	+	0.0001466	0.00056295	-0.20996	hypo	sig	chr14_104660892
chr17	42098099	42098099	+	0.0001472	0.00056494	0.233478	hyper	sig	chr17_42098099
chr2	42492721	42492721	+	0.0001493	0.00057244	0.206051	hyper	sig	chr2_42492721
chr5	1.41E+08	140802658	+	0.0001494	0.00057302	0.219545	hyper	sig	chr5_140802658
chr5	1.41E+08	141422030	+	0.0001496	0.0005737	0.230228	hyper	sig	chr5_141422030
chr19	47015853	47015853	+	0.0001506	0.0005772	-0.20843	hypo	sig	chr19_47015853
chr7	1E+08	100464313	+	0.0001524	0.00058348	-0.20107	hypo	sig	chr7_100464313
chr11	60951065	60951065	+	0.0001528	0.00058513	0.205947	hyper	sig	chr11_60951065
chr22	48396812	48396812	+	0.0001545	0.00059118	-0.22294	hypo	sig	chr22_48396812
chr13	1.14E+08	113656973	+	0.0001556	0.00059513	-0.22353	hypo	sig	chr13_113656973
chr17	76492864	76492864	+	0.0001573	0.00060092	-0.21282	hypo	sig	chr17_76492864
chr17	30238789	30238789	+	0.0001618	0.00061704	0.20284	hyper	sig	chr17_30238789
chr19	4455141	4455141	+	0.000163	0.00062135	0.202981	hyper	sig	chr19_4455141
chr9	1.38E+08	137789169	+	0.0001661	0.00063206	-0.21184	hypo	sig	chr9_137789169
chr17	2052308	2052308	+	0.0001662	0.00063249	-0.23011	hypo	sig	chr17_2052308
chr19	4327202	4327202	+	0.0001678	0.00063841	0.209275	hyper	sig	chr19_4327202
chr9	1.34E+08	134440308	+	0.0001685	0.00064072	-0.21658	hypo	sig	chr9_134440308
chr7	27246519	27246519	+	0.000171	0.00064966	0.213049	hyper	sig	chr7_27246519
chr2	42492723	42492723	+	0.0001736	0.00065885	0.200034	hyper	sig	chr2_42492723
chr1	10530582	10530582	+	0.0001764	0.00066861	0.204944	hyper	sig	chr1_10530582
chr11	69890040	69890040	+	0.0001772	0.00067126	0.204808	hyper	sig	chr11_69890040
chr20	46011174	46011174	+	0.0001789	0.00067738	0.248108	hyper	sig	chr20_46011174
chr6	43276295	43276295	+	0.0002034	0.00076318	-0.20782	hypo	sig	chr6_43276295
chr19	45783169	45783169	+	0.0002039	0.00076479	0.20823	hyper	sig	chr19_45783169
chr9	1.32E+08	132486630	+	0.0002046	0.00076726	0.211588	hyper	sig	chr9_132486630
chr13	91175006	91175006	+	0.0002124	0.00079417	0.219009	hyper	sig	chr13_91175006
chr19	29724940	29724940	+	0.0002126	0.00079496	0.205117	hyper	sig	chr19_29724940
chr5	24170367	24170367	+	0.0002191	0.00081768	-0.21049	hypo	sig	chr5_24170367
chr18	37484904	37484904	+	0.0002243	0.0008357	0.208683	hyper	sig	chr18_37484904
chr17	80349407	80349407	+	0.000225	0.00083791	-0.20256	hypo	sig	chr17_80349407
chr6	1.68E+08	167797172	+	0.0002274	0.00084631	-0.20156	hypo	sig	chr6_167797172
chr17	50634224	50634224	+	0.0002287	0.00085067	-0.21637	hypo	sig	chr17_50634224
chr6	1.7E+08	170023544	+	0.0002295	0.00085347	0.236804	hyper	sig	chr6_170023544
chr11	8339867	8339867	+	0.0002305	0.00085711	-0.20234	hypo	sig	chr11_8339867
chr1	1168013	1168013	+	0.0002649	0.00097521	-0.20257	hypo	sig	chr1_1168013
chr7	1.57E+08	156607626	+	0.000267	0.0009824	0.2059	hyper	sig	chr7_156607626
chr3	1.71E+08	170586138	+	0.000269	0.00098938	0.216998	hyper	sig	chr3_170586138
chr12	34354267	34354267	+	0.0002718	0.0009988	0.204701	hyper	sig	chr12_34354267
chr10	1.33E+08	132797472	+	0.000278	0.00102028	-0.2083	hypo	sig	chr10_132797472
chr9	68302930	68302930	+	0.0002798	0.00102617	0.229178	hyper	sig	chr9_68302930
chr7	1.57E+08	157441244	+	0.000291	0.00106439	-0.21101	hypo	sig	chr7_157441244
chr7	50454892	50454892	+	0.0003183	0.00115648	-0.20161	hypo	sig	chr7_50454892
chr19	58055305	58055305	+	0.0003261	0.00118284	0.206232	hyper	sig	chr19_58055305
chr19	38213991	38213991	+	0.0003269	0.00118564	-0.25378	hypo	sig	chr19_38213991
chr4	94166285	94166285	+	0.0003389	0.00122587	-0.2036	hypo	sig	chr4_94166285
chr14	1.05E+08	105191417	+	0.0003432	0.00124019	-0.23024	hypo	sig	chr14_105191417
chr3	1.28E+08	128494500	+	0.0003508	0.00126578	0.203257	hyper	sig	chr3_128494500
chr6	1.69E+08	169247863	+	0.0003509	0.00126622	-0.2205	hypo	sig	chr6_169247863
chr16	87067179	87067179	+	0.0003545	0.0012782	-0.20842	hypo	sig	chr16_87067179

chr7	1.01E+08	100584140	+	0.0003796	0.0013617	0.203021	hyper	sig	chr7_100584140
chr4	1405531	1405531	+	0.000386	0.00138303	0.209447	hyper	sig	chr4_1405531
chr7	1.57E+08	156607587	+	0.0004012	0.00143293	0.20822	hyper	sig	chr7_156607587
chr6	1.34E+08	133894645	+	0.0004061	0.00144908	0.208177	hyper	sig	chr6_133894645
chr7	45088646	45088646	+	0.0004399	0.00156	0.236647	hyper	sig	chr7_45088646
chr19	2431256	2431256	+	0.0004807	0.00169269	0.208611	hyper	sig	chr19_2431256
chr5	1.41E+08	141340309	+	0.0004991	0.00175231	0.202279	hyper	sig	chr5_141340309
chr15	70089111	70089111	+	0.0005095	0.00178589	0.224479	hyper	sig	chr15_70089111
chr7	1.55E+08	154794609	+	0.0005143	0.00180152	0.203008	hyper	sig	chr7_154794609
chr19	3698334	3698334	+	0.0005257	0.0018386	0.20504	hyper	sig	chr19_3698334
chr7	1.57E+08	157078134	+	0.0006077	0.00210116	0.205835	hyper	sig	chr7_157078134
chr6	44222920	44222920	+	0.0006565	0.0022562	0.20989	hyper	sig	chr6_44222920
chr17	81920865	81920865	+	0.0008004	0.00270712	-0.21567	hypo	sig	chr17_81920865
chr20	17612174	17612174	+	0.0008815	0.00295904	0.206675	hyper	sig	chr20_17612174
chr7	1.51E+08	150948134	+	0.0008928	0.00299344	0.210407	hyper	sig	chr7_150948134
chr2	45171003	45171003	+	0.0009291	0.00310509	0.200103	hyper	sig	chr2_45171003
chr19	1465475	1465475	+	0.0010095	0.00334927	0.206941	hyper	sig	chr19_1465475
chr7	1.51E+08	151125658	+	0.0015878	0.00506956	0.223225	hyper	sig	chr7_151125658

Table S5. Statistical analyses using the SuperExactTest package for the intersection of colorectal cancer and adenoma

Intersections	Degree	Observed.Overlap	Expected.Overlap	FE	P.value
ADE.hypo	1	18282			
ADE.hyper	1	30009			
ADE.hyper &	2	0	676.1114339	0	1
CRC.hypo	1	32780			
CRC.hypo & A	2	9969	738.5428639	13.4982	0
CRC.hypo & A	2	29	1212.281632	0.023922	1
CRC.hypo & A	3	0	27.31305517	0	1
CRC.hyper	1	63107			
CRC.hyper &	2	121	1421.81893	0.085102	1
CRC.hyper &	2	24639	2333.845545	10.55725	0
CRC.hyper &	3	0	52.58221393	0	1
CRC.hyper &	2	0	2549.350427	0	1
CRC.hyper &	3	0	57.43760114	0	1
CRC.hyper &	3	0	94.28098527	0	1
CRC.hyper &	4	0	2.124177818	0	1

ADE (adenoma) CRC (colorectal cancer)

Table S6 Differentially methylated regions between colorectal adenoma and normal contorls

chr	start	end	strand	pvalue	qvalue	meth.diff	loc	sig	status
chr1	874001	874200	*	1.24E-22	3.22E-22	-0.10173	chr1_8740	sig	hypo
chr1	913001	913200	*	2.09E-32	6.82E-32	-0.11512	chr1_9130	sig	hypo
chr1	919401	919600	*	9.84E-68	5.38E-67	-0.13985	chr1_9194	sig	hypo
chr1	929401	929600	*	1.27E-119	1.24E-118	-0.2017	chr1_9294	sig	hypo
chr1	929601	929800	*	2.37E-70	1.34E-69	-0.17833	chr1_9296	sig	hypo
chr1	937001	937200	*	5.02E-106	4.21E-105	-0.2605	chr1_9370	sig	hypo
chr1	939201	939400	*	5.13E-49	2.20E-48	-0.11845	chr1_9392	sig	hypo
chr1	981601	981800	*	9.53E-90	6.67E-89	-0.16338	chr1_9816	sig	hypo
chr1	981801	982000	*	1.87E-73	1.09E-72	-0.23819	chr1_9818	sig	hypo
chr1	982201	982400	*	1.14E-87	7.77E-87	-0.15114	chr1_9822	sig	hypo
chr1	1006801	1007000	*	4.40E-188	8.47E-187	-0.30939	chr1_1006	sig	hypo
chr1	1007001	1007200	*	1.42E-194	2.90E-193	-0.25508	chr1_1007	sig	hypo
chr1	1007201	1007400	*	1.78E-156	2.52E-155	-0.20852	chr1_1007	sig	hypo
chr1	1014201	1014400	*	1.34E-67	7.32E-67	-0.14464	chr1_1014	sig	hypo
chr1	1014401	1014600	*	1.59E-49	6.87E-49	-0.17626	chr1_1014	sig	hypo
chr1	1060801	1061000	*	8.36E-59	4.08E-58	-0.28661	chr1_1060	sig	hypo
chr1	1069801	1070000	*	1.04E-132	1.16E-131	-0.18777	chr1_1069	sig	hypo
chr1	1117601	1117800	*	8.93E-135	1.03E-133	-0.20212	chr1_1117	sig	hypo
chr1	1118401	1118600	*	7.54E-74	4.41E-73	-0.10399	chr1_1118	sig	hypo
chr1	1141001	1141200	*	6.68E-43	2.61E-42	-0.17809	chr1_1141	sig	hypo
chr1	1142801	1143000	*	5.80E-20	1.41E-19	-0.11519	chr1_1142	sig	hypo
chr1	1200001	1200200	*	1.79E-29	5.50E-29	-0.11627	chr1_1200	sig	hypo
chr1	1204201	1204400	*	6.17E-50	2.68E-49	-0.14709	chr1_1204	sig	hypo
chr1	1210201	1210400	*	0	0	-0.30262	chr1_1210	sig	hypo
chr1	1210401	1210600	*	2.17E-104	1.79E-103	-0.19325	chr1_1210	sig	hypo
chr1	1211401	1211600	*	1.18E-288	5.88E-287	-0.34622	chr1_1211	sig	hypo
chr1	1242401	1242600	*	1.29E-54	5.97E-54	-0.13881	chr1_1242	sig	hypo
chr1	1287401	1287600	*	3.61E-125	3.73E-124	-0.22977	chr1_1287	sig	hypo
chr1	1333001	1333200	*	4.36E-36	1.52E-35	-0.11338	chr1_1333	sig	hypo
chr1	1333801	1334000	*	4.17E-111	3.68E-110	-0.28538	chr1_1333	sig	hypo
chr1	1334001	1334200	*	2.28E-43	8.98E-43	-0.10322	chr1_1334	sig	hypo
chr1	1354401	1354600	*	4.08E-34	1.38E-33	-0.10134	chr1_1354	sig	hypo
chr1	1422601	1422800	*	5.80E-35	1.98E-34	-0.10304	chr1_1422	sig	hypo
chr1	1426201	1426400	*	6.97E-106	5.83E-105	-0.19377	chr1_1426	sig	hypo
chr1	1430801	1431000	*	4.15E-73	2.41E-72	-0.27523	chr1_1430	sig	hypo
chr1	1434201	1434400	*	2.36E-101	1.89E-100	-0.24619	chr1_1434	sig	hypo
chr1	1437201	1437400	*	7.07E-26	2.00E-25	-0.10646	chr1_1437	sig	hypo
chr1	1442201	1442400	*	4.49E-100	3.53E-99	-0.15262	chr1_1442	sig	hypo
chr1	1445201	1445400	*	2.34E-78	1.45E-77	-0.14918	chr1_1445	sig	hypo
chr1	1455601	1455800	*	2.19E-48	9.30E-48	-0.13867	chr1_1455	sig	hypo
chr1	1460601	1460800	*	7.94E-51	3.48E-50	-0.15376	chr1_1460	sig	hypo
chr1	1462001	1462200	*	1.26E-25	3.54E-25	-0.11032	chr1_1462	sig	hypo
chr1	1539601	1539800	*	0	0	0.424679	chr1_1539	sig	hyper
chr1	1614201	1614400	*	1.70E-48	7.23E-48	-0.10095	chr1_1614	sig	hypo
chr1	1630401	1630600	*	2.56E-125	2.64E-124	0.106237	chr1_1630	sig	hyper
chr1	1679201	1679400	*	6.25E-28	1.85E-27	-0.1004	chr1_1679	sig	hypo
chr1	1758001	1758200	*	2.49E-158	3.59E-157	-0.18651	chr1_1758	sig	hypo
chr1	1758801	1759000	*	8.90E-22	2.27E-21	-0.11159	chr1_1758	sig	hypo
chr1	1924801	1925000	*	2.71E-32	8.84E-32	-0.11613	chr1_1924	sig	hypo
chr1	1930201	1930400	*	1.46E-48	6.21E-48	-0.1305	chr1_1930	sig	hypo
chr1	1937001	1937200	*	1.22E-24	3.36E-24	-0.13083	chr1_1937	sig	hypo
chr1	1942001	1942200	*	1.69E-201	3.72E-200	-0.36831	chr1_1942	sig	hypo
chr1	1942201	1942400	*	1.55E-105	1.29E-104	-0.25936	chr1_1942	sig	hypo

chr1	1956801	1957000	*	8.11E-154	1.12E-152	-0.21151	chr1_1956	sig	hypo
chr1	1958401	1958600	*	5.01E-59	2.45E-58	-0.17712	chr1_1958	sig	hypo
chr1	1963601	1963800	*	2.81E-60	1.39E-59	-0.14519	chr1_1963	sig	hypo
chr1	1965001	1965200	*	2.04E-183	3.72E-182	-0.19994	chr1_1965	sig	hypo
chr1	2025801	2026000	*	3.91E-37	1.38E-36	0.119556	chr1_2025	sig	hyper
chr1	2030601	2030800	*	1.15E-39	4.25E-39	-0.17301	chr1_2030	sig	hypo
chr1	2032401	2032600	*	7.77E-41	2.94E-40	-0.18508	chr1_2032	sig	hypo
chr1	2091601	2091800	*	5.44E-53	2.46E-52	0.11568	chr1_2091	sig	hyper
chr1	2091801	2092000	*	4.35E-35	1.49E-34	0.149667	chr1_2091	sig	hyper
chr1	2137401	2137600	*	6.86E-26	1.94E-25	-0.13642	chr1_2137	sig	hypo
chr1	2170601	2170800	*	1.61E-64	8.41E-64	-0.12483	chr1_2170	sig	hypo
chr1	2232001	2232200	*	9.48E-113	8.55E-112	-0.17416	chr1_2232	sig	hypo
chr1	2233001	2233200	*	5.97E-51	2.62E-50	-0.11624	chr1_2233	sig	hypo
chr1	2234601	2234800	*	5.69E-58	2.75E-57	-0.14066	chr1_2234	sig	hypo
chr1	2251801	2252000	*	1.42E-83	9.32E-83	-0.20114	chr1_2251	sig	hypo
chr1	2274401	2274600	*	2.67E-61	1.34E-60	0.103893	chr1_2274	sig	hyper
chr1	2290801	2291000	*	9.22E-55	4.27E-54	0.142857	chr1_2290	sig	hyper
chr1	2291001	2291200	*	3.60E-70	2.03E-69	0.1524	chr1_2291	sig	hyper
chr1	2291201	2291400	*	4.59E-39	1.68E-38	0.140113	chr1_2291	sig	hyper
chr1	2300601	2300800	*	1.00E-78	6.23E-78	0.117933	chr1_2300	sig	hyper
chr1	2321201	2321400	*	6.41E-42	2.46E-41	-0.13298	chr1_2321	sig	hypo
chr1	2327601	2327800	*	4.77E-41	1.81E-40	-0.15518	chr1_2327	sig	hypo
chr1	2327801	2328000	*	1.84E-107	1.56E-106	-0.22993	chr1_2327	sig	hypo
chr1	2330801	2331000	*	4.94E-35	1.69E-34	-0.11995	chr1_2330	sig	hypo
chr1	2331001	2331200	*	5.67E-39	2.07E-38	-0.12617	chr1_2331	sig	hypo
chr1	2334801	2335000	*	2.08E-247	7.16E-246	-0.23144	chr1_2334	sig	hypo
chr1	2338401	2338600	*	3.98E-71	2.27E-70	-0.13458	chr1_2338	sig	hypo
chr1	2378601	2378800	*	2.54E-250	9.00E-249	-0.2509	chr1_2378	sig	hypo
chr1	2378801	2379000	*	1.38E-128	1.48E-127	-0.16862	chr1_2378	sig	hypo
chr1	2428401	2428600	*	2.48E-50	1.08E-49	-0.15192	chr1_2428	sig	hypo
chr1	2428601	2428800	*	6.49E-164	9.90E-163	-0.20907	chr1_2428	sig	hypo
chr1	2433801	2434000	*	1.45E-103	1.18E-102	-0.16624	chr1_2433	sig	hypo
chr1	2445801	2446000	*	2.92E-97	2.22E-96	-0.16592	chr1_2445	sig	hypo
chr1	2456401	2456600	*	4.02E-50	1.74E-49	-0.12502	chr1_2456	sig	hypo
chr1	2459801	2460000	*	2.79E-45	1.13E-44	-0.13805	chr1_2459	sig	hypo
chr1	2478401	2478600	*	2.89E-73	1.68E-72	-0.13638	chr1_2478	sig	hypo
chr1	2496601	2496800	*	1.10E-257	4.15E-256	-0.33988	chr1_2496	sig	hypo
chr1	2506201	2506400	*	5.24E-63	2.69E-62	-0.1737	chr1_2506	sig	hypo
chr1	2570401	2570600	*	6.90E-38	2.47E-37	-0.10321	chr1_2570	sig	hypo
chr1	2584201	2584400	*	4.83E-29	1.47E-28	-0.14137	chr1_2584	sig	hypo
chr1	2596001	2596200	*	9.64E-42	3.70E-41	-0.14955	chr1_2596	sig	hypo
chr1	2606001	2606200	*	1.66E-37	5.90E-37	-0.10769	chr1_2606	sig	hypo
chr1	2609401	2609600	*	2.11E-17	4.78E-17	-0.11267	chr1_2609	sig	hypo
chr1	2789201	2789400	*	3.08E-73	1.79E-72	0.182654	chr1_2789	sig	hyper
chr1	2834601	2834800	*	4.73E-28	1.40E-27	-0.11053	chr1_2834	sig	hypo
chr1	2879601	2879800	*	1.10E-87	7.54E-87	-0.16947	chr1_2879	sig	hypo
chr1	2883001	2883200	*	3.58E-62	1.82E-61	-0.10309	chr1_2883	sig	hypo
chr1	2904001	2904200	*	7.81E-36	2.71E-35	-0.11182	chr1_2904	sig	hypo
chr1	2911201	2911400	*	2.93E-76	1.77E-75	-0.11936	chr1_2911	sig	hypo
chr1	2923201	2923400	*	2.54E-59	1.25E-58	-0.12787	chr1_2923	sig	hypo
chr1	2923601	2923800	*	5.59E-130	6.08E-129	-0.22054	chr1_2923	sig	hypo
chr1	2933801	2934000	*	1.79E-36	6.28E-36	-0.10825	chr1_2933	sig	hypo
chr1	3021601	3021800	*	8.30E-39	3.03E-38	-0.1117	chr1_3021	sig	hypo
chr1	3024201	3024400	*	2.43E-33	8.07E-33	-0.13348	chr1_3024	sig	hypo
chr1	3030401	3030600	*	3.31E-50	1.44E-49	-0.1032	chr1_3030	sig	hypo
chr1	3037801	3038000	*	6.98E-24	1.88E-23	-0.11048	chr1_3037	sig	hypo

chr1	3063401	3063600	*	2.20E-199	4.70E-198	0.194845	chr1_3063	sig	hyper
chr1	3063801	3064000	*	4.69E-81	3.00E-80	0.17199	chr1_3063	sig	hyper
chr1	3064001	3064200	*	1.66E-27	4.86E-27	0.100468	chr1_3064	sig	hyper
chr1	3067801	3068000	*	0	0	0.303961	chr1_3067	sig	hyper
chr1	3068001	3068200	*	1.99E-238	6.30E-237	0.249794	chr1_3068	sig	hyper
chr1	3068201	3068400	*	4.21E-181	7.53E-180	0.163798	chr1_3068	sig	hyper
chr1	3071001	3071200	*	1.42E-70	8.03E-70	0.148748	chr1_3071	sig	hyper
chr1	3073401	3073600	*	2.69E-114	2.47E-113	0.162067	chr1_3073	sig	hyper
chr1	3076001	3076200	*	1.25E-39	4.63E-39	-0.13364	chr1_3076	sig	hypo
chr1	3083001	3083200	*	7.13E-70	4.00E-69	-0.13156	chr1_3083	sig	hypo
chr1	3089601	3089800	*	1.69E-35	5.83E-35	-0.11699	chr1_3089	sig	hypo
chr1	3101201	3101400	*	3.07E-93	2.23E-92	-0.20635	chr1_3101	sig	hypo
chr1	3112201	3112400	*	3.67E-87	2.49E-86	-0.12852	chr1_3112	sig	hypo
chr1	3121401	3121600	*	3.60E-49	1.54E-48	-0.13918	chr1_3121	sig	hypo
chr1	3141401	3141600	*	7.31E-124	7.46E-123	-0.2396	chr1_3141	sig	hypo
chr1	3143001	3143200	*	8.32E-32	2.68E-31	-0.11031	chr1_3143	sig	hypo
chr1	3163601	3163800	*	4.79E-61	2.39E-60	-0.10389	chr1_3163	sig	hypo
chr1	3166401	3166600	*	2.97E-53	1.34E-52	-0.10736	chr1_3166	sig	hypo
chr1	3173001	3173200	*	9.78E-22	2.49E-21	-0.10267	chr1_3173	sig	hypo
chr1	3173201	3173400	*	8.12E-66	4.33E-65	-0.11008	chr1_3173	sig	hypo
chr1	3195201	3195400	*	7.61E-66	4.06E-65	-0.14534	chr1_3195	sig	hypo
chr1	3203601	3203800	*	1.32E-48	5.61E-48	-0.15936	chr1_3203	sig	hypo
chr1	3206401	3206600	*	1.60E-209	3.81E-208	-0.21283	chr1_3206	sig	hypo
chr1	3206801	3207000	*	1.34E-56	6.36E-56	-0.13395	chr1_3206	sig	hypo
chr1	3208001	3208200	*	1.55E-77	9.50E-77	-0.1643	chr1_3208	sig	hypo
chr1	3231001	3231200	*	6.22E-76	3.74E-75	-0.19243	chr1_3231	sig	hypo
chr1	3238601	3238800	*	9.94E-80	6.25E-79	0.112661	chr1_3238	sig	hyper
chr1	3243001	3243200	*	1.07E-50	4.68E-50	-0.10398	chr1_3243	sig	hypo
chr1	3244201	3244400	*	8.29E-38	2.97E-37	-0.10978	chr1_3244	sig	hypo
chr1	3244801	3245000	*	2.85E-49	1.22E-48	-0.14605	chr1_3244	sig	hypo
chr1	3246801	3247000	*	9.00E-102	7.21E-101	-0.1472	chr1_3246	sig	hypo
chr1	3247601	3247800	*	5.36E-72	3.08E-71	0.158906	chr1_3247	sig	hyper
chr1	3247801	3248000	*	1.38E-120	1.35E-119	0.139033	chr1_3247	sig	hyper
chr1	3248001	3248200	*	7.33E-55	3.40E-54	0.154124	chr1_3248	sig	hyper
chr1	3274601	3274800	*	3.80E-219	9.79E-218	-0.21996	chr1_3274	sig	hypo
chr1	3275001	3275200	*	2.61E-190	5.17E-189	-0.26777	chr1_3275	sig	hypo
chr1	3292201	3292400	*	2.70E-37	9.59E-37	-0.11109	chr1_3292	sig	hypo
chr1	3293201	3293400	*	8.14E-219	2.09E-217	-0.29434	chr1_3293	sig	hypo
chr1	3293801	3294000	*	4.08E-94	2.99E-93	-0.1683	chr1_3293	sig	hypo
chr1	3349201	3349400	*	5.22E-38	1.88E-37	-0.15498	chr1_3349	sig	hypo
chr1	3356001	3356200	*	6.09E-184	1.12E-182	-0.21027	chr1_3356	sig	hypo
chr1	3360001	3360200	*	7.55E-138	8.90E-137	-0.17855	chr1_3360	sig	hypo
chr1	3377801	3378000	*	8.43E-53	3.79E-52	-0.12467	chr1_3377	sig	hypo
chr1	3391601	3391800	*	3.89E-28	1.15E-27	-0.11837	chr1_3391	sig	hypo
chr1	3403801	3404000	*	1.34E-46	5.55E-46	-0.13737	chr1_3403	sig	hypo
chr1	3404001	3404200	*	1.17E-52	5.26E-52	-0.14212	chr1_3404	sig	hypo
chr1	3415401	3415600	*	5.83E-40	2.17E-39	-0.10141	chr1_3415	sig	hypo
chr1	3415601	3415800	*	2.89E-54	1.33E-53	-0.13166	chr1_3415	sig	hypo
chr1	3433801	3434000	*	2.52E-30	7.85E-30	-0.12739	chr1_3433	sig	hypo
chr1	3434401	3434600	*	2.15E-121	2.13E-120	-0.19101	chr1_3434	sig	hypo
chr1	3435601	3435800	*	2.13E-78	1.32E-77	-0.17711	chr1_3435	sig	hypo
chr1	3437801	3438000	*	1.81E-200	3.94E-199	-0.24314	chr1_3437	sig	hypo
chr1	3543401	3543600	*	4.18E-40	1.56E-39	-0.17088	chr1_3543	sig	hypo
chr1	3550601	3550800	*	3.28E-197	6.89E-196	-0.3039	chr1_3550	sig	hypo
chr1	3565001	3565200	*	2.17E-86	1.46E-85	-0.25577	chr1_3565	sig	hypo
chr1	3579001	3579200	*	1.11E-150	1.49E-149	-0.2579	chr1_3579	sig	hypo

chr1	3587401	3587600	*	8.09E-37	2.85E-36	-0.10466	chr1_3587	sig	hypo
chr1	3650601	3650800	*	0	0	0.28968	chr1_3650	sig	hyper
chr1	3651001	3651200	*	0	0	0.26969	chr1_3651	sig	hyper
chr1	3651201	3651400	*	0	0	0.262918	chr1_3651	sig	hyper
chr1	3651401	3651600	*	3.01E-187	5.73E-186	0.140721	chr1_3651	sig	hyper
chr1	3673401	3673600	*	1.87E-85	1.25E-84	-0.24325	chr1_3673	sig	hypo
chr1	3743001	3743200	*	2.52E-283	1.18E-281	-0.28645	chr1_3743	sig	hypo
chr1	3746601	3746800	*	9.15E-106	7.66E-105	0.165464	chr1_3746	sig	hyper
chr1	3747201	3747400	*	0	0	0.198316	chr1_3747	sig	hyper
chr1	3907601	3907800	*	7.50E-67	4.05E-66	-0.10278	chr1_3907	sig	hypo
chr1	4161201	4161400	*	1.37E-48	5.82E-48	-0.13472	chr1_4161	sig	hypo
chr1	6089001	6089200	*	3.63E-278	1.61E-276	-0.27072	chr1_6089	sig	hypo
chr1	6089401	6089600	*	6.07E-154	8.43E-153	-0.27726	chr1_6089	sig	hypo
chr1	6111601	6111800	*	2.16E-23	5.74E-23	-0.12281	chr1_6111	sig	hypo
chr1	6146201	6146400	*	1.46E-80	9.29E-80	-0.22199	chr1_6146	sig	hypo
chr1	6204801	6205000	*	3.87E-28	1.15E-27	-0.15772	chr1_6204	sig	hypo
chr1	6225001	6225200	*	6.24E-40	2.32E-39	-0.11407	chr1_6225	sig	hypo
chr1	6234601	6234800	*	1.12E-78	6.98E-78	-0.18688	chr1_6234	sig	hypo
chr1	6273601	6273800	*	0	0	-0.44449	chr1_6273	sig	hypo
chr1	6276401	6276600	*	0.00E+00	0.00E+00	0.293271	chr1_6276	sig	hyper
chr1	6276601	6276800	*	4.51E-235	1.38E-233	0.257548	chr1_6276	sig	hyper
chr1	6345601	6345800	*	1.82E-61	9.18E-61	-0.14035	chr1_6345	sig	hypo
chr1	6386001	6386200	*	0	0	-0.44422	chr1_6386	sig	hypo
chr1	6454401	6454600	*	8.40E-48	3.53E-47	0.107099	chr1_6454	sig	hyper
chr1	6455401	6455600	*	7.48E-64	3.88E-63	0.13081	chr1_6455	sig	hyper
chr1	6455601	6455800	*	1.27E-39	4.70E-39	0.132146	chr1_6455	sig	hyper
chr1	6455801	6456000	*	2.46E-48	1.04E-47	0.135659	chr1_6455	sig	hyper
chr1	6465401	6465600	*	5.38E-78	3.31E-77	0.198481	chr1_6465	sig	hyper
chr1	6466001	6466200	*	0	0	0.279127	chr1_6466	sig	hyper
chr1	6466201	6466400	*	7.42E-182	1.34E-180	0.233574	chr1_6466	sig	hyper
chr1	6506001	6506200	*	6.52E-43	2.55E-42	-0.13945	chr1_6506	sig	hypo
chr1	7070001	7070200	*	6.69E-88	4.58E-87	0.211861	chr1_7070	sig	hyper
chr1	7782201	7782400	*	2.52E-174	4.27E-173	-0.24308	chr1_7782	sig	hypo
chr1	7784601	7784800	*	3.93E-50	1.71E-49	0.119645	chr1_7784	sig	hyper
chr1	7784801	7785000	*	4.61E-29	1.40E-28	0.112858	chr1_7784	sig	hyper
chr1	8328401	8328600	*	5.86E-39	2.15E-38	-0.11431	chr1_8328	sig	hypo
chr1	8333801	8334000	*	2.83E-103	2.30E-102	-0.25976	chr1_8333	sig	hypo
chr1	8343601	8343800	*	2.27E-163	3.45E-162	-0.1685	chr1_8343	sig	hypo
chr1	8343801	8344000	*	2.32E-36	8.12E-36	-0.11071	chr1_8343	sig	hypo
chr1	8350001	8350200	*	1.82E-28	5.45E-28	-0.11454	chr1_8350	sig	hypo
chr1	9026401	9026600	*	1.71E-43	6.75E-43	-0.16854	chr1_9026	sig	hypo
chr1	9279601	9279800	*	8.16E-25	2.26E-24	-0.19056	chr1_9279	sig	hypo
chr1	9315801	9316000	*	8.58E-47	3.55E-46	0.13228	chr1_9315	sig	hyper
chr1	9652401	9652600	*	6.79E-201	1.48E-199	0.225011	chr1_9652	sig	hyper
chr1	9652801	9653000	*	8.10E-100	6.34E-99	0.199721	chr1_9652	sig	hyper
chr1	9700201	9700400	*	7.84E-32	2.53E-31	-0.12376	chr1_9700	sig	hypo
chr1	9714601	9714800	*	9.48E-89	6.56E-88	-0.25254	chr1_9714	sig	hypo
chr1	9715601	9715800	*	3.74E-35	1.28E-34	-0.12408	chr1_9715	sig	hypo
chr1	9719201	9719400	*	1.05E-271	4.41E-270	-0.30783	chr1_9719	sig	hypo
chr1	9721201	9721400	*	2.54E-156	3.60E-155	-0.22348	chr1_9721	sig	hypo
chr1	9993801	9994000	*	8.64E-16	1.86E-15	-0.1041	chr1_9993	sig	hypo
chr1	9996601	9996800	*	1.12E-29	3.44E-29	-0.11828	chr1_9996	sig	hypo
chr1	10400001	10400200	*	1.63E-28	4.88E-28	-0.14799	chr1_1040	sig	hypo
chr1	10530401	10530600	*	9.64E-41	3.64E-40	0.112418	chr1_1053	sig	hyper
chr1	10672201	10672400	*	1.20E-117	1.14E-116	0.288771	chr1_1067	sig	hyper
chr1	10672401	10672600	*	4.00E-297	2.13E-295	0.35663	chr1_1067	sig	hyper

chr1	10672801	10673000	*	0	0	0.230394	chr1_1067	sig	hyper
chr1	10779401	10779600	*	3.68E-46	1.51E-45	-0.11028	chr1_1077	sig	hypo
chr1	10828401	10828600	*	1.90E-27	5.57E-27	-0.15664	chr1_1082	sig	hypo
chr1	11501401	11501600	*	2.12E-36	7.41E-36	0.121084	chr1_1150	sig	hyper
chr1	11501801	11502000	*	1.14E-55	5.36E-55	0.128718	chr1_1150	sig	hyper
chr1	11654001	11654200	*	1.29E-57	6.19E-57	0.191075	chr1_1165	sig	hyper
chr1	11692201	11692400	*	2.50E-54	1.15E-53	0.180986	chr1_1169	sig	hyper
chr1	11848001	11848200	*	1.06E-42	4.11E-42	-0.13466	chr1_1184	sig	hypo
chr1	11858601	11858800	*	1.20E-22	3.12E-22	0.154864	chr1_1185	sig	hyper
chr1	11858801	11859000	*	8.50E-18	1.95E-17	0.100066	chr1_1185	sig	hyper
chr1	11898201	11898400	*	3.13E-45	1.26E-44	0.212569	chr1_1189	sig	hyper
chr1	11979601	11979800	*	6.30E-32	2.04E-31	-0.13563	chr1_1197	sig	hypo
chr1	12063401	12063600	*	0	0	0.184796	chr1_1206	sig	hyper
chr1	12129601	12129800	*	4.06E-72	2.33E-71	-0.17835	chr1_1212	sig	hypo
chr1	12143601	12143800	*	1.77E-98	1.37E-97	-0.15666	chr1_1214	sig	hypo
chr1	12170401	12170600	*	7.25E-80	4.57E-79	-0.21094	chr1_1217	sig	hypo
chr1	12540201	12540400	*	2.15E-34	7.28E-34	-0.20151	chr1_1254	sig	hypo
chr1	12549601	12549800	*	1.33E-136	1.55E-135	-0.29242	chr1_1254	sig	hypo
chr1	13583601	13583800	*	1.22E-123	1.24E-122	0.166208	chr1_1358	sig	hyper
chr1	13584201	13584400	*	4.91E-204	1.11E-202	0.336278	chr1_1358	sig	hyper
chr1	13700801	13701000	*	6.49E-18	1.49E-17	0.158286	chr1_1370	sig	hyper
chr1	13701001	13701200	*	1.30E-104	1.07E-103	0.170649	chr1_1370	sig	hyper
chr1	14599401	14599600	*	2.25E-281	1.04E-279	0.300441	chr1_1459	sig	hyper
chr1	15758201	15758400	*	0	0	0.39518	chr1_1575	sig	hyper
chr1	16226801	16227000	*	1.60E-116	1.50E-115	0.12677	chr1_1622	sig	hyper
chr1	16227601	16227800	*	1.86E-112	1.67E-111	0.187403	chr1_1622	sig	hyper
chr1	16227801	16228000	*	1.47E-125	1.52E-124	0.194673	chr1_1622	sig	hyper
chr1	16520601	16520800	*	6.41E-127	6.75E-126	0.139952	chr1_1652	sig	hyper
chr1	16520801	16521000	*	1.96E-119	1.90E-118	0.206138	chr1_1652	sig	hyper
chr1	16521001	16521200	*	7.04E-92	5.04E-91	0.189211	chr1_1652	sig	hyper
chr1	16532601	16532800	*	7.14E-70	4.00E-69	0.149136	chr1_1653	sig	hyper
chr1	16535201	16535400	*	1.75E-22	4.53E-22	0.105763	chr1_1653	sig	hyper
chr1	16535401	16535600	*	1.47E-74	8.67E-74	0.16269	chr1_1653	sig	hyper
chr1	16647801	16648000	*	1.14E-52	5.13E-52	0.108981	chr1_1664	sig	hyper
chr1	16678201	16678400	*	2.55E-42	9.88E-42	-0.14386	chr1_1667	sig	hypo
chr1	16686001	16686200	*	2.94E-161	4.35E-160	0.164903	chr1_1668	sig	hyper
chr1	16759201	16759400	*	6.13E-29	1.85E-28	0.113982	chr1_1675	sig	hyper
chr1	16872201	16872400	*	4.62E-75	2.76E-74	0.151968	chr1_1687	sig	hyper
chr1	16872401	16872600	*	1.66E-79	1.04E-78	0.178653	chr1_1687	sig	hyper
chr1	16913401	16913600	*	5.73E-91	4.06E-90	-0.17757	chr1_1691	sig	hypo
chr1	16938801	16939000	*	2.43E-132	2.71E-131	0.154572	chr1_1693	sig	hyper
chr1	16939001	16939200	*	2.22E-244	7.43E-243	0.179133	chr1_1693	sig	hyper
chr1	17149201	17149400	*	8.56E-104	7.01E-103	0.234172	chr1_1714	sig	hyper
chr1	17149401	17149600	*	4.10E-96	3.08E-95	0.233906	chr1_1714	sig	hyper
chr1	17149601	17149800	*	1.18E-28	3.56E-28	0.146284	chr1_1714	sig	hyper
chr1	17522201	17522400	*	1.91E-48	8.09E-48	-0.1875	chr1_1752	sig	hypo
chr1	17826001	17826200	*	2.07E-22	5.35E-22	-0.10218	chr1_1782	sig	hypo
chr1	18630201	18630400	*	5.29E-37	1.87E-36	0.145926	chr1_1863	sig	hyper
chr1	18631401	18631600	*	7.53E-73	4.36E-72	0.121579	chr1_1863	sig	hyper
chr1	18631601	18631800	*	1.66E-108	1.43E-107	0.1199	chr1_1863	sig	hyper
chr1	18631801	18632000	*	6.83E-218	1.74E-216	0.208073	chr1_1863	sig	hyper
chr1	18632201	18632400	*	3.75E-172	6.25E-171	0.274564	chr1_1863	sig	hyper
chr1	18632401	18632600	*	3.47E-289	1.75E-287	0.318998	chr1_1863	sig	hyper
chr1	18632801	18633000	*	0	0	0.183389	chr1_1863	sig	hyper
chr1	18637401	18637600	*	1.36E-28	4.09E-28	0.126088	chr1_1863	sig	hyper
chr1	18798601	18798800	*	3.08E-82	1.99E-81	-0.18982	chr1_1879	sig	hypo

chr1	18953601	18953800	*	9.71E-18	2.22E-17	-0.12076	chr1_1895	sig	hypo
chr1	19274001	19274200	*	5.57E-31	1.76E-30	0.105524	chr1_1927	sig	hyper
chr1	19274201	19274400	*	9.91E-68	5.41E-67	0.110841	chr1_1927	sig	hyper
chr1	19338401	19338600	*	4.43E-33	1.46E-32	0.115314	chr1_1933	sig	hyper
chr1	19664201	19664400	*	1.46E-29	4.47E-29	-0.11136	chr1_1966	sig	hypo
chr1	19881801	19882000	*	8.97E-21	2.23E-20	-0.11923	chr1_1988	sig	hypo
chr1	20291801	20292000	*	3.35E-36	1.17E-35	0.134991	chr1_2029	sig	hyper
chr1	20343201	20343400	*	3.98E-121	3.93E-120	0.241272	chr1_2034	sig	hyper
chr1	20473201	20473400	*	2.85E-238	8.98E-237	0.306392	chr1_2047	sig	hyper
chr1	20473401	20473600	*	1.78E-227	5.05E-226	0.290058	chr1_2047	sig	hyper
chr1	20552201	20552400	*	3.35E-83	2.19E-82	0.268968	chr1_2055	sig	hyper
chr1	20552401	20552600	*	1.45E-44	5.81E-44	0.121392	chr1_2055	sig	hyper
chr1	20553001	20553200	*	0	0	0.303011	chr1_2055	sig	hyper
chr1	20724001	20724200	*	1.03E-125	1.08E-124	-0.27109	chr1_2072	sig	hypo
chr1	21437401	21437600	*	4.51E-20	1.10E-19	-0.1287	chr1_2143	sig	hypo
chr1	21551001	21551200	*	4.53E-56	2.13E-55	-0.11842	chr1_2155	sig	hypo
chr1	21591001	21591200	*	1.29E-66	6.96E-66	-0.25383	chr1_2159	sig	hypo
chr1	21608201	21608400	*	8.31E-119	8.04E-118	-0.32973	chr1_2160	sig	hypo
chr1	22563001	22563200	*	7.60E-69	4.21E-68	0.12033	chr1_2256	sig	hyper
chr1	22599001	22599200	*	8.25E-75	4.91E-74	-0.18515	chr1_2259	sig	hypo
chr1	22601001	22601200	*	1.93E-76	1.17E-75	-0.19337	chr1_2260	sig	hypo
chr1	22652001	22652200	*	1.95E-28	5.82E-28	-0.12039	chr1_2265	sig	hypo
chr1	23949201	23949400	*	7.29E-134	8.28E-133	-0.22319	chr1_2394	sig	hypo
chr1	24109001	24109200	*	1.77E-21	4.46E-21	-0.13758	chr1_2410	sig	hypo
chr1	24112801	24113000	*	6.11E-24	1.65E-23	-0.11186	chr1_2411	sig	hypo
chr1	24321601	24321800	*	1.15E-301	6.37E-300	-0.27773	chr1_2432	sig	hypo
chr1	24321801	24322000	*	1.96E-72	1.13E-71	-0.15648	chr1_2432	sig	hypo
chr1	24535201	24535400	*	1.85E-68	1.02E-67	0.101416	chr1_2453	sig	hyper
chr1	24920201	24920400	*	2.79E-92	2.01E-91	-0.20553	chr1_2492	sig	hypo
chr1	24931001	24931200	*	5.89E-142	7.23E-141	0.157488	chr1_2493	sig	hyper
chr1	24931201	24931400	*	5.87E-83	3.82E-82	0.15342	chr1_2493	sig	hyper
chr1	24931601	24931800	*	4.26E-95	3.16E-94	0.121062	chr1_2493	sig	hyper
chr1	24965401	24965600	*	6.19E-39	2.26E-38	0.109279	chr1_2496	sig	hyper
chr1	25818801	25819000	*	6.51E-31	2.06E-30	-0.11378	chr1_2581	sig	hypo
chr1	25890601	25890800	*	7.76E-16	1.67E-15	-0.10053	chr1_2589	sig	hypo
chr1	26410801	26411000	*	1.62E-164	2.49E-163	0.238091	chr1_2641	sig	hyper
chr1	26411401	26411600	*	2.05E-133	2.31E-132	0.100043	chr1_2641	sig	hyper
chr1	26411601	26411800	*	2.35E-110	2.06E-109	0.229589	chr1_2641	sig	hyper
chr1	27011001	27011200	*	8.03E-67	4.33E-66	-0.23967	chr1_2701	sig	hypo
chr1	27350601	27350800	*	5.49E-45	2.21E-44	0.10485	chr1_2735	sig	hyper
chr1	27350801	27351000	*	4.19E-20	1.02E-19	0.106958	chr1_2735	sig	hyper
chr1	27351401	27351600	*	0	0	0.333048	chr1_2735	sig	hyper
chr1	27360201	27360400	*	3.63E-22	9.33E-22	0.100775	chr1_2736	sig	hyper
chr1	27403401	27403600	*	9.07E-68	4.96E-67	0.137145	chr1_2740	sig	hyper
chr1	27522401	27522600	*	4.20E-18	9.72E-18	-0.1289	chr1_2752	sig	hypo
chr1	27958801	27959000	*	1.27E-42	4.92E-42	-0.10237	chr1_2795	sig	hypo
chr1	28886601	28886800	*	8.49E-40	3.15E-39	-0.13672	chr1_2888	sig	hypo
chr1	31754401	31754600	*	7.74E-79	4.83E-78	-0.17912	chr1_3175	sig	hypo
chr1	31771801	31772000	*	1.99E-19	4.78E-19	0.11672	chr1_3177	sig	hyper
chr1	31772201	31772400	*	0	0	0.284389	chr1_3177	sig	hyper
chr1	32464601	32464800	*	3.18E-50	1.38E-49	0.128919	chr1_3246	sig	hyper
chr1	32465601	32465800	*	4.72E-54	2.16E-53	0.191505	chr1_3246	sig	hyper
chr1	33307001	33307200	*	2.85E-135	3.29E-134	0.265	chr1_3330	sig	hyper
chr1	34163401	34163600	*	1.36E-123	1.38E-122	0.172273	chr1_3416	sig	hyper
chr1	34165201	34165400	*	1.20E-39	4.44E-39	0.109946	chr1_3416	sig	hyper
chr1	34165601	34165800	*	2.43E-42	9.42E-42	0.125816	chr1_3416	sig	hyper

chr1	34176601	34176800	*	1.03E-57	4.96E-57	0.148271	chr1_3417	sig	hyper
chr1	34783601	34783800	*	1.37E-22	3.56E-22	-0.10676	chr1_3478	sig	hypo
chr1	35577201	35577400	*	1.75E-62	8.91E-62	0.231573	chr1_3557	sig	hyper
chr1	35577401	35577600	*	1.19E-201	2.64E-200	0.221113	chr1_3557	sig	hyper
chr1	35577601	35577800	*	9.86E-64	5.09E-63	0.185882	chr1_3557	sig	hyper
chr1	36464601	36464800	*	5.31E-22	1.36E-21	0.101852	chr1_3646	sig	hyper
chr1	37033001	37033200	*	2.22E-201	4.89E-200	0.229439	chr1_3703	sig	hyper
chr1	37034801	37035000	*	9.17E-265	3.66E-263	0.169022	chr1_3703	sig	hyper
chr1	37035001	37035200	*	1.66E-55	7.75E-55	0.15665	chr1_3703	sig	hyper
chr1	37318201	37318400	*	4.71E-55	2.19E-54	0.153986	chr1_3731	sig	hyper
chr1	37557001	37557200	*	2.72E-106	2.28E-105	0.150007	chr1_3755	sig	hyper
chr1	37690801	37691000	*	6.50E-58	3.13E-57	-0.1274	chr1_3769	sig	hypo
chr1	38044401	38044600	*	2.04E-284	9.61E-283	0.199834	chr1_3804	sig	hyper
chr1	38134401	38134600	*	0	0	0.196401	chr1_3813	sig	hyper
chr1	38292001	38292200	*	3.78E-46	1.55E-45	0.126211	chr1_3829	sig	hyper
chr1	38475001	38475200	*	4.41E-12	8.29E-12	0.101381	chr1_3847	sig	hyper
chr1	38476601	38476800	*	2.46E-42	9.52E-42	0.19463	chr1_3847	sig	hyper
chr1	38570201	38570400	*	1.45E-38	5.26E-38	-0.13954	chr1_3857	sig	hypo
chr1	38578401	38578600	*	0	0	0.196578	chr1_3857	sig	hyper
chr1	38578601	38578800	*	4.55E-170	7.42E-169	0.102209	chr1_3857	sig	hyper
chr1	38816001	38816200	*	4.28E-38	1.54E-37	0.134005	chr1_3881	sig	hyper
chr1	39080801	39081000	*	7.89E-17	1.75E-16	-0.11704	chr1_3908	sig	hypo
chr1	39490601	39490800	*	7.88E-32	2.54E-31	-0.133	chr1_3949	sig	hypo
chr1	39515601	39515800	*	4.34E-84	2.87E-83	0.170627	chr1_3951	sig	hyper
chr1	39671401	39671600	*	2.97E-252	1.07E-250	0.21503	chr1_3967	sig	hyper
chr1	39884201	39884400	*	1.83E-32	5.99E-32	-0.15335	chr1_3988	sig	hypo
chr1	39922601	39922800	*	3.47E-43	1.36E-42	0.114266	chr1_3992	sig	hyper
chr1	40754401	40754600	*	1.19E-40	4.47E-40	-0.12217	chr1_4075	sig	hypo
chr1	41021601	41021800	*	2.39E-35	8.22E-35	-0.14459	chr1_4102	sig	hypo
chr1	41383401	41383600	*	1.53E-86	1.03E-85	0.169986	chr1_4138	sig	hyper
chr1	42153401	42153600	*	1.55E-64	8.12E-64	-0.18944	chr1_4215	sig	hypo
chr1	42785001	42785200	*	1.81E-52	8.13E-52	0.131082	chr1_4278	sig	hyper
chr1	42785201	42785400	*	2.69E-87	1.83E-86	0.108747	chr1_4278	sig	hyper
chr1	42785401	42785600	*	5.33E-80	3.36E-79	0.107537	chr1_4278	sig	hyper
chr1	42887001	42887200	*	9.45E-76	5.68E-75	-0.13996	chr1_4288	sig	hypo
chr1	43565401	43565600	*	5.63E-45	2.27E-44	0.131069	chr1_4356	sig	hyper
chr1	44029401	44029600	*	4.08E-15	8.56E-15	-0.10059	chr1_4402	sig	hypo
chr1	44118801	44119000	*	2.92E-115	2.71E-114	-0.2749	chr1_4411	sig	hypo
chr1	44407801	44408000	*	2.98E-184	5.48E-183	0.331442	chr1_4440	sig	hyper
chr1	44409001	44409200	*	1.76E-115	1.63E-114	0.196735	chr1_4440	sig	hyper
chr1	44617401	44617600	*	4.44E-51	1.96E-50	-0.1125	chr1_4461	sig	hypo
chr1	44801001	44801200	*	1.83E-16	4.02E-16	-0.10253	chr1_4480	sig	hypo
chr1	46467001	46467200	*	1.50E-114	1.38E-113	0.145719	chr1_4646	sig	hyper
chr1	46485601	46485800	*	4.27E-138	5.06E-137	0.178636	chr1_4648	sig	hyper
chr1	46544401	46544600	*	6.54E-54	2.99E-53	0.229522	chr1_4654	sig	hyper
chr1	46551001	46551200	*	5.41E-26	1.53E-25	-0.10105	chr1_4655	sig	hypo
chr1	47433401	47433600	*	1.19E-144	1.50E-143	0.322803	chr1_4743	sig	hyper
chr1	47433801	47434000	*	8.50E-154	1.18E-152	0.337489	chr1_4743	sig	hyper
chr1	47434401	47434600	*	0	0	0.330008	chr1_4743	sig	hyper
chr1	47434601	47434800	*	0	0	0.318353	chr1_4743	sig	hyper
chr1	47439601	47439800	*	3.76E-224	1.03E-222	0.30492	chr1_4743	sig	hyper
chr1	47439801	47440000	*	8.00E-171	1.32E-169	0.297027	chr1_4743	sig	hyper
chr1	47444201	47444400	*	3.07E-112	2.75E-111	0.17215	chr1_4744	sig	hyper
chr1	47444401	47444600	*	7.73E-141	9.39E-140	0.150544	chr1_4744	sig	hyper
chr1	47445201	47445400	*	1.63E-215	4.05E-214	0.148195	chr1_4744	sig	hyper
chr1	47446201	47446400	*	0	0	0.407275	chr1_4744	sig	hyper

chr1	47450001	47450200	*	5.09E-294	2.63E-292	-0.21247	chr1_4745	sig	hypo
chr1	47450201	47450400	*	8.35E-58	4.02E-57	-0.13874	chr1_4745	sig	hypo
chr1	48777001	48777200	*	4.38E-67	2.37E-66	0.18782	chr1_4877	sig	hyper
chr1	50047801	50048000	*	2.77E-49	1.19E-48	0.157289	chr1_5004	sig	hyper
chr1	50048601	50048800	*	7.43E-32	2.40E-31	0.137996	chr1_5004	sig	hyper
chr1	50416201	50416400	*	0.00E+00	0.00E+00	0.271316	chr1_5041	sig	hyper
chr1	50417201	50417400	*	8.77E-147	1.14E-145	0.238241	chr1_5041	sig	hyper
chr1	50417601	50417800	*	0	0	0.251363	chr1_5041	sig	hyper
chr1	50425401	50425600	*	3.61E-153	4.95E-152	0.258288	chr1_5042	sig	hyper
chr1	50425601	50425800	*	1.40E-167	2.21E-166	0.156638	chr1_5042	sig	hyper
chr1	50428001	50428200	*	2.03E-96	1.53E-95	0.104443	chr1_5042	sig	hyper
chr1	50428201	50428400	*	2.53E-49	1.09E-48	0.108148	chr1_5042	sig	hyper
chr1	50430401	50430600	*	5.07E-129	5.46E-128	0.153486	chr1_5043	sig	hyper
chr1	52602001	52602200	*	8.27E-20	2.00E-19	0.101483	chr1_5260	sig	hyper
chr1	52842801	52843000	*	2.06E-169	3.34E-168	0.225017	chr1_5284	sig	hyper
chr1	52843401	52843600	*	2.24E-226	6.24E-225	0.329047	chr1_5284	sig	hyper
chr1	53276601	53276800	*	5.70E-169	9.17E-168	0.109533	chr1_5327	sig	hyper
chr1	53328601	53328800	*	3.23E-32	1.05E-31	0.114068	chr1_5332	sig	hyper
chr1	53508001	53508200	*	1.48E-65	7.87E-65	-0.16909	chr1_5350	sig	hypo
chr1	53738601	53738800	*	0	0	0.164841	chr1_5373	sig	hyper
chr1	54259601	54259800	*	5.09E-45	2.05E-44	-0.13635	chr1_5425	sig	hypo
chr1	54781601	54781800	*	9.58E-114	8.74E-113	0.103421	chr1_5478	sig	hyper
chr1	54996801	54997000	*	4.31E-33	1.42E-32	0.126454	chr1_5499	sig	hyper
chr1	54997001	54997200	*	5.80E-42	2.23E-41	0.104911	chr1_5499	sig	hyper
chr1	57423001	57423200	*	4.88E-100	3.83E-99	0.231743	chr1_5742	sig	hyper
chr1	57423201	57423400	*	1.36E-160	2.00E-159	0.270412	chr1_5742	sig	hyper
chr1	58249801	58250000	*	0	0	0.228515	chr1_5824	sig	hyper
chr1	62194601	62194800	*	5.59E-29	1.69E-28	-0.12031	chr1_6219	sig	hypo
chr1	63074201	63074400	*	6.26E-13	1.22E-12	0.11115	chr1_6307	sig	hyper
chr1	63319801	63320000	*	1.09E-106	9.17E-106	0.280704	chr1_6331	sig	hyper
chr1	63320201	63320400	*	0	0	0.245207	chr1_6332	sig	hyper
chr1	63320401	63320600	*	3.41E-108	2.92E-107	0.169203	chr1_6332	sig	hyper
chr1	63320601	63320800	*	2.23E-59	1.10E-58	0.118299	chr1_6332	sig	hyper
chr1	63329601	63329800	*	3.52E-90	2.47E-89	0.189037	chr1_6332	sig	hyper
chr1	65266001	65266200	*	4.26E-40	1.59E-39	0.136659	chr1_6526	sig	hyper
chr1	65526001	65526200	*	4.95E-88	3.40E-87	0.242861	chr1_6552	sig	hyper
chr1	65792001	65792200	*	1.73E-44	6.92E-44	0.148995	chr1_6579	sig	hyper
chr1	66752001	66752200	*	1.77E-164	2.71E-163	0.213552	chr1_6675	sig	hyper
chr1	66752201	66752400	*	1.61E-148	2.12E-147	0.20515	chr1_6675	sig	hyper
chr1	69569401	69569600	*	1.68E-153	2.31E-152	0.27649	chr1_6956	sig	hyper
chr1	69569601	69569800	*	1.04E-32	3.41E-32	0.152635	chr1_6956	sig	hyper
chr1	74674001	74674200	*	6.27E-37	2.21E-36	0.155174	chr1_7467	sig	hyper
chr1	75124601	75124800	*	2.61E-17	5.89E-17	0.121243	chr1_7512	sig	hyper
chr1	75127801	75128000	*	9.55E-42	3.66E-41	0.127715	chr1_7512	sig	hyper
chr1	75128001	75128200	*	3.66E-119	3.55E-118	0.203133	chr1_7512	sig	hyper
chr1	75128401	75128600	*	1.63E-167	2.58E-166	0.26534	chr1_7512	sig	hyper
chr1	75130201	75130400	*	5.17E-242	1.70E-240	0.248906	chr1_7513	sig	hyper
chr1	75130401	75130600	*	0	0	0.256645	chr1_7513	sig	hyper
chr1	75131001	75131200	*	2.01E-211	4.84E-210	0.264949	chr1_7513	sig	hyper
chr1	75131201	75131400	*	2.41E-259	9.20E-258	0.266232	chr1_7513	sig	hyper
chr1	75133801	75134000	*	3.38E-166	5.29E-165	0.22556	chr1_7513	sig	hyper
chr1	75134401	75134600	*	2.14E-68	1.18E-67	0.137055	chr1_7513	sig	hyper
chr1	75134601	75134800	*	2.24E-219	5.79E-218	0.222363	chr1_7513	sig	hyper
chr1	75135201	75135400	*	2.81E-194	5.72E-193	0.217097	chr1_7513	sig	hyper
chr1	75135401	75135600	*	0.00E+00	0.00E+00	0.232841	chr1_7513	sig	hyper
chr1	76765001	76765200	*	1.22E-56	5.80E-56	0.132549	chr1_7676	sig	hyper

chr1	76867401	76867600	*	0.00E+00	0.00E+00	0.229517	chr1_7686	sig	hyper
chr1	77282401	77282600	*	2.11E-101	1.68E-100	0.129356	chr1_7728	sig	hyper
chr1	77282601	77282800	*	3.94E-88	2.71E-87	0.130755	chr1_7728	sig	hyper
chr1	78045601	78045800	*	2.35E-95	1.74E-94	-0.11195	chr1_7804	sig	hypo
chr1	78491001	78491200	*	1.17E-298	6.30E-297	0.343931	chr1_7849	sig	hyper
chr1	78491401	78491600	*	0	0	0.297374	chr1_7849	sig	hyper
chr1	79006601	79006800	*	4.94E-115	4.58E-114	0.247374	chr1_7900	sig	hyper
chr1	81503201	81503400	*	2.09E-72	1.20E-71	-0.17734	chr1_8150	sig	hypo
chr1	85047401	85047600	*	5.62E-84	3.71E-83	0.143292	chr1_8504	sig	hyper
chr1	86156201	86156400	*	2.91E-46	1.20E-45	0.133908	chr1_8615	sig	hyper
chr1	86156601	86156800	*	9.52E-60	4.70E-59	0.107639	chr1_8615	sig	hyper
chr1	86156801	86157000	*	2.73E-146	3.51E-145	0.109293	chr1_8615	sig	hyper
chr1	87151601	87151800	*	3.72E-18	8.62E-18	0.108046	chr1_8715	sig	hyper
chr1	87529401	87529600	*	6.27E-31	1.98E-30	-0.11756	chr1_8752	sig	hypo
chr1	88991801	88992000	*	2.23E-34	7.53E-34	0.128172	chr1_8899	sig	hyper
chr1	90717401	90717600	*	1.52E-118	1.46E-117	0.148131	chr1_9071	sig	hyper
chr1	90719201	90719400	*	5.74E-163	8.65E-162	0.266781	chr1_9071	sig	hyper
chr1	90719601	90719800	*	1.25E-206	2.91E-205	0.316731	chr1_9071	sig	hyper
chr1	90723601	90723800	*	4.92E-84	3.25E-83	0.165736	chr1_9072	sig	hyper
chr1	90724401	90724600	*	1.98E-236	6.16E-235	0.290696	chr1_9072	sig	hyper
chr1	90724601	90724800	*	1.44E-290	7.32E-289	0.267148	chr1_9072	sig	hyper
chr1	90725001	90725200	*	3.56E-152	4.85E-151	0.283749	chr1_9072	sig	hyper
chr1	90725201	90725400	*	7.28E-132	8.07E-131	0.203462	chr1_9072	sig	hyper
chr1	90725401	90725600	*	1.58E-153	2.18E-152	0.184588	chr1_9072	sig	hyper
chr1	90725601	90725800	*	2.23E-129	2.41E-128	0.157302	chr1_9072	sig	hyper
chr1	90726801	90727000	*	4.57E-128	4.86E-127	0.166975	chr1_9072	sig	hyper
chr1	90729001	90729200	*	2.13E-125	2.20E-124	0.173431	chr1_9072	sig	hyper
chr1	90729801	90730000	*	5.57E-91	3.95E-90	0.189564	chr1_9072	sig	hyper
chr1	90834601	90834800	*	9.62E-117	9.08E-116	0.169929	chr1_9083	sig	hyper
chr1	90834801	90835000	*	1.60E-66	8.59E-66	0.161671	chr1_9083	sig	hyper
chr1	92029401	92029600	*	7.42E-59	3.62E-58	-0.12086	chr1_9202	sig	hypo
chr1	92441801	92442000	*	1.20E-76	7.26E-76	-0.23322	chr1_9244	sig	hypo
chr1	92480401	92480600	*	1.04E-112	9.37E-112	0.193428	chr1_9248	sig	hyper
chr1	92481001	92481200	*	1.64E-76	9.95E-76	0.126133	chr1_9248	sig	hyper
chr1	92481401	92481600	*	5.80E-22	1.48E-21	0.118124	chr1_9248	sig	hyper
chr1	94540801	94541000	*	4.12E-266	1.66E-264	-0.22703	chr1_9454	sig	hypo
chr1	98044601	98044800	*	6.27E-109	5.42E-108	0.213314	chr1_9804	sig	hyper
chr1	98049401	98049600	*	4.77E-182	8.59E-181	0.203709	chr1_9804	sig	hyper
chr1	99849401	99849600	*	1.01E-38	3.68E-38	-0.14939	chr1_9984	sig	hypo
chr1	100539801	100540000	*	8.14E-168	1.29E-166	0.115786	chr1_1005	sig	hyper
chr1	101237001	101237200	*	4.40E-298	2.37E-296	0.191636	chr1_1012	sig	hyper
chr1	101996401	101996600	*	1.61E-59	7.91E-59	0.15543	chr1_1019	sig	hyper
chr1	107140001	107140200	*	7.58E-161	1.12E-159	0.197541	chr1_1071	sig	hyper
chr1	107140401	107140600	*	5.43E-118	5.20E-117	0.155553	chr1_1071	sig	hyper
chr1	107480601	107480800	*	6.54E-74	3.84E-73	0.14353	chr1_1074	sig	hyper
chr1	107964401	107964600	*	4.12E-130	4.48E-129	0.206296	chr1_1079	sig	hyper
chr1	107964601	107964800	*	1.83E-238	5.80E-237	0.2338	chr1_1079	sig	hyper
chr1	107965801	107966000	*	0	0	0.295219	chr1_1079	sig	hyper
chr1	109668201	109668400	*	6.73E-85	4.48E-84	0.313192	chr1_1096	sig	hyper
chr1	110068201	110068400	*	1.60E-259	6.14E-258	0.148363	chr1_1100	sig	hyper
chr1	110068401	110068600	*	6.02E-132	6.68E-131	0.142255	chr1_1100	sig	hyper
chr1	110069001	110069200	*	5.74E-114	5.25E-113	0.136469	chr1_1100	sig	hyper
chr1	110069601	110069800	*	1.91E-29	5.85E-29	0.107	chr1_1100	sig	hyper
chr1	110151201	110151400	*	5.80E-112	5.18E-111	0.206073	chr1_1101	sig	hyper
chr1	110211601	110211800	*	2.52E-92	1.81E-91	0.116553	chr1_1102	sig	hyper
chr1	110673801	110674000	*	9.95E-22	2.53E-21	0.111204	chr1_1106	sig	hyper

chr1	110675401	110675600	*	1.68E-139	2.02E-138	0.269758	chr1_1106	sig	hyper
chr1	110675601	110675800	*	1.85E-100	1.46E-99	0.231113	chr1_1106	sig	hyper
chr1	111271001	111271200	*	1.72E-256	6.46E-255	0.268983	chr1_1112	sig	hyper
chr1	111271401	111271600	*	5.51E-96	4.13E-95	0.202354	chr1_1112	sig	hyper
chr1	112850401	112850600	*	2.38E-69	1.33E-68	-0.15649	chr1_1128	sig	hypo
chr1	112850601	112850800	*	2.07E-41	7.89E-41	-0.12123	chr1_1128	sig	hypo
chr1	112854601	112854800	*	1.54E-51	6.81E-51	0.23022	chr1_1128	sig	hyper
chr1	114154001	114154200	*	2.21E-142	2.73E-141	0.241921	chr1_1141	sig	hyper
chr1	114154201	114154400	*	2.71E-295	1.42E-293	0.247343	chr1_1141	sig	hyper
chr1	114154401	114154600	*	0	0	0.221186	chr1_1141	sig	hyper
chr1	114154601	114154800	*	3.82E-64	1.99E-63	0.163774	chr1_1141	sig	hyper
chr1	114154801	114155000	*	6.61E-85	4.41E-84	0.186871	chr1_1141	sig	hyper
chr1	118979601	118979800	*	6.18E-132	6.86E-131	0.286359	chr1_1189	sig	hyper
chr1	118980201	118980400	*	8.37E-97	6.34E-96	0.322827	chr1_1189	sig	hyper
chr1	118983401	118983600	*	4.21E-166	6.58E-165	0.291683	chr1_1189	sig	hyper
chr1	118983601	118983800	*	9.08E-201	1.98E-199	0.220247	chr1_1189	sig	hyper
chr1	118983801	118984000	*	8.25E-93	5.97E-92	0.227453	chr1_1189	sig	hyper
chr1	118984401	118984600	*	8.96E-219	2.29E-217	0.136426	chr1_1189	sig	hyper
chr1	118984601	118984800	*	7.82E-135	8.98E-134	0.150003	chr1_1189	sig	hyper
chr1	118984801	118985000	*	3.81E-44	1.52E-43	0.133522	chr1_1189	sig	hyper
chr1	118985001	118985200	*	3.56E-92	2.55E-91	0.287719	chr1_1189	sig	hyper
chr1	118985201	118985400	*	2.31E-80	1.46E-79	0.206923	chr1_1189	sig	hyper
chr1	118985401	118985600	*	6.91E-144	8.65E-143	0.205022	chr1_1189	sig	hyper
chr1	118986001	118986200	*	0	0	0.367307	chr1_1189	sig	hyper
chr1	118986601	118986800	*	2.03E-215	5.04E-214	0.240578	chr1_1189	sig	hyper
chr1	118987401	118987600	*	6.16E-281	2.81E-279	0.28742	chr1_1189	sig	hyper
chr1	118988401	118988600	*	3.76E-78	2.32E-77	0.144835	chr1_1189	sig	hyper
chr1	118989001	118989200	*	4.38E-223	1.18E-221	0.317501	chr1_1189	sig	hyper
chr1	118989201	118989400	*	6.38E-129	6.87E-128	0.290487	chr1_1189	sig	hyper
chr1	118989401	118989600	*	0	0	0.300429	chr1_1189	sig	hyper
chr1	118989601	118989800	*	5.37E-287	2.60E-285	0.289524	chr1_1189	sig	hyper
chr1	118990201	118990400	*	4.49E-286	2.14E-284	0.25345	chr1_1189	sig	hyper
chr1	119000401	119000600	*	0	0	0.318972	chr1_1190	sig	hyper
chr1	119000601	119000800	*	0.00E+00	0.00E+00	0.243849	chr1_1190	sig	hyper
chr1	119005801	119006000	*	2.90E-171	4.80E-170	0.387964	chr1_1190	sig	hyper
chr1	119006201	119006400	*	5.35E-145	6.79E-144	0.328665	chr1_1190	sig	hyper
chr1	119006401	119006600	*	6.99E-218	1.78E-216	0.231122	chr1_1190	sig	hyper
chr1	119006601	119006800	*	4.73E-148	6.22E-147	0.216511	chr1_1190	sig	hyper
chr1	119007201	119007400	*	2.12E-182	3.84E-181	0.357715	chr1_1190	sig	hyper
chr1	119008201	119008400	*	9.44E-237	2.95E-235	0.244607	chr1_1190	sig	hyper
chr1	119742201	119742400	*	1.36E-39	5.03E-39	-0.12979	chr1_1197	sig	hypo
chr1	121006801	121007000	*	5.54E-69	3.07E-68	0.163621	chr1_1210	sig	hyper
chr1	121007001	121007200	*	1.65E-64	8.61E-64	0.168454	chr1_1210	sig	hyper
chr1	121009401	121009600	*	8.20E-166	1.28E-164	0.265513	chr1_1210	sig	hyper
chr1	121009601	121009800	*	2.91E-100	2.29E-99	0.2227	chr1_1210	sig	hyper
chr1	121117001	121117200	*	4.90E-190	9.65E-189	0.377484	chr1_1211	sig	hyper
chr1	121118201	121118400	*	0.00E+00	0.00E+00	0.284968	chr1_1211	sig	hyper
chr1	121184401	121184600	*	1.66E-76	1.00E-75	0.139498	chr1_1211	sig	hyper
chr1	121519601	121519800	*	0	0	0.346502	chr1_1215	sig	hyper
chr1	143651401	143651600	*	6.01E-80	3.79E-79	0.18826	chr1_1436	sig	hyper
chr1	143651801	143652000	*	1.87E-84	1.24E-83	0.177234	chr1_1436	sig	hyper
chr1	143652001	143652200	*	7.96E-80	5.01E-79	0.163293	chr1_1436	sig	hyper
chr1	143652801	143653000	*	5.81E-105	4.82E-104	0.152629	chr1_1436	sig	hyper
chr1	143654801	143655000	*	4.44E-24	1.20E-23	0.114031	chr1_1436	sig	hyper
chr1	143661201	143661400	*	2.29E-103	1.86E-102	0.223473	chr1_1436	sig	hyper
chr1	143661801	143662000	*	2.51E-237	7.84E-236	0.260008	chr1_1436	sig	hyper

chr1	143698801	143699000	*	3.99E-50	1.73E-49	0.210464	chr1_1436	sig	hyper
chr1	143904601	143904800	*	2.10E-145	2.67E-144	0.270652	chr1_1439	sig	hyper
chr1	143905201	143905400	*	1.78E-140	2.15E-139	0.234203	chr1_1439	sig	hyper
chr1	143905601	143905800	*	0	0	0.242204	chr1_1439	sig	hyper
chr1	144551201	144551400	*	4.22E-145	5.36E-144	0.260575	chr1_1445	sig	hyper
chr1	144551801	144552000	*	1.28E-100	1.01E-99	0.187744	chr1_1445	sig	hyper
chr1	144552001	144552200	*	6.70E-183	1.22E-181	0.211337	chr1_1445	sig	hyper
chr1	144560801	144561000	*	1.56E-62	7.98E-62	0.111762	chr1_1445	sig	hyper
chr1	144567401	144567600	*	1.43E-246	4.88E-245	0.352942	chr1_1445	sig	hyper
chr1	146486601	146486800	*	1.68E-100	1.32E-99	0.186427	chr1_1464	sig	hyper
chr1	147072401	147072600	*	6.18E-138	7.29E-137	0.194877	chr1_1470	sig	hyper
chr1	147072601	147072800	*	0	0	0.254136	chr1_1470	sig	hyper
chr1	147073201	147073400	*	0.00E+00	0.00E+00	0.262718	chr1_1470	sig	hyper
chr1	147078201	147078400	*	1.18E-202	2.63E-201	0.305581	chr1_1470	sig	hyper
chr1	147078401	147078600	*	2.62E-139	3.13E-138	0.262064	chr1_1470	sig	hyper
chr1	147078801	147079000	*	3.30E-300	1.80E-298	0.265028	chr1_1470	sig	hyper
chr1	147079001	147079200	*	8.83E-144	1.10E-142	0.264215	chr1_1470	sig	hyper
chr1	147079201	147079400	*	9.15E-145	1.16E-143	0.287881	chr1_1470	sig	hyper
chr1	147079801	147080000	*	3.23E-94	2.37E-93	0.230409	chr1_1470	sig	hyper
chr1	147080001	147080200	*	0.00E+00	0.00E+00	0.279847	chr1_1470	sig	hyper
chr1	147080801	147081000	*	8.10E-78	4.98E-77	0.206246	chr1_1470	sig	hyper
chr1	147081001	147081200	*	8.65E-63	4.42E-62	0.18889	chr1_1470	sig	hyper
chr1	147178201	147178400	*	3.75E-61	1.88E-60	0.145903	chr1_1471	sig	hyper
chr1	148309601	148309800	*	1.13E-37	4.04E-37	0.111882	chr1_1483	sig	hyper
chr1	148309801	148310000	*	1.20E-33	4.01E-33	0.166849	chr1_1483	sig	hyper
chr1	148310001	148310200	*	4.57E-169	7.37E-168	0.239835	chr1_1483	sig	hyper
chr1	148310201	148310400	*	2.17E-133	2.45E-132	0.235909	chr1_1483	sig	hyper
chr1	148310401	148310600	*	2.29E-96	1.72E-95	0.198167	chr1_1483	sig	hyper
chr1	148318201	148318400	*	1.54E-121	1.53E-120	0.297303	chr1_1483	sig	hyper
chr1	148318601	148318800	*	2.73E-30	8.51E-30	0.143252	chr1_1483	sig	hyper
chr1	148354401	148354600	*	7.49E-95	5.54E-94	0.148596	chr1_1483	sig	hyper
chr1	150975201	150975400	*	5.04E-40	1.88E-39	0.112077	chr1_1509	sig	hyper
chr1	150979201	150979400	*	1.84E-17	4.18E-17	0.116503	chr1_1509	sig	hyper
chr1	151838001	151838200	*	2.30E-21	5.80E-21	0.117392	chr1_1518	sig	hyper
chr1	151838201	151838400	*	3.24E-42	1.25E-41	0.220842	chr1_1518	sig	hyper
chr1	151838401	151838600	*	5.42E-62	2.75E-61	0.168153	chr1_1518	sig	hyper
chr1	151838801	151839000	*	3.78E-75	2.26E-74	0.188931	chr1_1518	sig	hyper
chr1	151910201	151910400	*	1.60E-18	3.73E-18	-0.113	chr1_1519	sig	hypo
chr1	153261601	153261800	*	1.30E-129	1.40E-128	0.123938	chr1_1532	sig	hyper
chr1	153390401	153390600	*	1.71E-24	4.69E-24	-0.11204	chr1_1533	sig	hypo
chr1	153698201	153698400	*	4.51E-31	1.43E-30	-0.11983	chr1_1536	sig	hypo
chr1	154323601	154323800	*	1.97E-34	6.66E-34	-0.13536	chr1_1543	sig	hypo
chr1	154869401	154869600	*	9.75E-60	4.81E-59	0.205373	chr1_1548	sig	hyper
chr1	155179801	155180000	*	6.63E-36	2.30E-35	-0.16059	chr1_1551	sig	hypo
chr1	155243801	155244000	*	1.97E-133	2.23E-132	-0.2027	chr1_1552	sig	hypo
chr1	156076401	156076600	*	1.02E-16	2.26E-16	0.100921	chr1_1560	sig	hyper
chr1	156149601	156149800	*	1.64E-17	3.73E-17	-0.10278	chr1_1561	sig	hypo
chr1	156161401	156161600	*	9.54E-79	5.94E-78	0.243861	chr1_1561	sig	hyper
chr1	156241601	156241800	*	7.82E-37	2.76E-36	-0.11649	chr1_1562	sig	hypo
chr1	156388001	156388200	*	1.53E-108	1.32E-107	0.209011	chr1_1563	sig	hyper
chr1	156388201	156388400	*	2.19E-58	1.06E-57	0.101389	chr1_1563	sig	hyper
chr1	156420601	156420800	*	5.33E-108	4.56E-107	0.136945	chr1_1564	sig	hyper
chr1	156642401	156642600	*	2.07E-47	8.67E-47	0.217814	chr1_1566	sig	hyper
chr1	156642601	156642800	*	3.82E-62	1.94E-61	0.179261	chr1_1566	sig	hyper
chr1	156646801	156647000	*	7.44E-89	5.16E-88	0.231843	chr1_1566	sig	hyper
chr1	156647001	156647200	*	1.36E-190	2.69E-189	0.194543	chr1_1566	sig	hyper

chr1	156657001	156657200	*	1.29E-113	1.18E-112	0.182763	chr1_1566	sig	hyper
chr1	156657201	156657400	*	6.49E-86	4.35E-85	0.212748	chr1_1566	sig	hyper
chr1	156660401	156660600	*	2.40E-31	7.65E-31	-0.12618	chr1_1566	sig	hypo
chr1	156844601	156844800	*	8.19E-70	4.59E-69	0.131003	chr1_1568	sig	hyper
chr1	156845001	156845200	*	3.21E-163	4.87E-162	0.196761	chr1_1568	sig	hyper
chr1	156845601	156845800	*	7.26E-102	5.83E-101	0.178219	chr1_1568	sig	hyper
chr1	156845801	156846000	*	1.12E-67	6.12E-67	0.185249	chr1_1568	sig	hyper
chr1	156849201	156849400	*	1.92E-118	1.84E-117	0.15447	chr1_1568	sig	hyper
chr1	156860401	156860600	*	3.10E-123	3.14E-122	0.18551	chr1_1568	sig	hyper
chr1	157994001	157994200	*	1.35E-54	6.22E-54	0.181153	chr1_1579	sig	hyper
chr1	158177601	158177800	*	6.36E-101	5.05E-100	0.146444	chr1_1581	sig	hyper
chr1	158177801	158178000	*	1.47E-104	1.21E-103	0.102755	chr1_1581	sig	hyper
chr1	158180801	158181000	*	0	0	0.148902	chr1_1581	sig	hyper
chr1	158181201	158181400	*	6.69E-293	3.46E-291	0.163935	chr1_1581	sig	hyper
chr1	158181401	158181600	*	0	0	0.321852	chr1_1581	sig	hyper
chr1	158181601	158181800	*	1.60E-67	8.73E-67	0.220679	chr1_1581	sig	hyper
chr1	159188601	159188800	*	0	0	0.324943	chr1_1591	sig	hyper
chr1	159929801	159930000	*	7.13E-273	3.02E-271	-0.23806	chr1_1599	sig	hypo
chr1	159937601	159937800	*	1.34E-23	3.60E-23	-0.12477	chr1_1599	sig	hypo
chr1	161089401	161089600	*	6.67E-46	2.72E-45	-0.12011	chr1_1610	sig	hypo
chr1	161119201	161119400	*	8.27E-22	2.11E-21	-0.10069	chr1_1611	sig	hypo
chr1	161259001	161259200	*	1.52E-76	9.21E-76	0.194511	chr1_1612	sig	hyper
chr1	161422001	161422200	*	9.47E-46	3.86E-45	0.135812	chr1_1614	sig	hyper
chr1	161428001	161428200	*	5.14E-29	1.56E-28	0.104933	chr1_1614	sig	hyper
chr1	161525001	161525200	*	3.09E-83	2.02E-82	0.116878	chr1_1615	sig	hyper
chr1	161621601	161621800	*	1.47E-306	8.64E-305	0.227554	chr1_1616	sig	hyper
chr1	164576401	164576600	*	1.01E-75	6.07E-75	0.123513	chr1_1645	sig	hyper
chr1	164576801	164577000	*	1.03E-15	2.21E-15	0.103915	chr1_1645	sig	hyper
chr1	165235201	165235400	*	1.87E-23	4.99E-23	0.101479	chr1_1652	sig	hyper
chr1	165355201	165355400	*	1.06E-70	5.98E-70	0.21675	chr1_1653	sig	hyper
chr1	165355601	165355800	*	1.32E-33	4.40E-33	0.100739	chr1_1653	sig	hyper
chr1	165445201	165445400	*	1.94E-136	2.25E-135	0.166603	chr1_1654	sig	hyper
chr1	166989001	166989200	*	5.16E-35	1.76E-34	-0.10138	chr1_1669	sig	hypo
chr1	167630401	167630600	*	1.29E-234	3.94E-233	0.143664	chr1_1676	sig	hyper
chr1	170660401	170660600	*	1.25E-112	1.12E-111	0.260325	chr1_1706	sig	hyper
chr1	170661201	170661400	*	4.01E-188	7.74E-187	0.256057	chr1_1706	sig	hyper
chr1	170665001	170665200	*	4.13E-48	1.74E-47	0.121662	chr1_1706	sig	hyper
chr1	170666801	170667000	*	4.58E-40	1.71E-39	0.153018	chr1_1706	sig	hyper
chr1	170667001	170667200	*	6.14E-27	1.78E-26	0.156668	chr1_1706	sig	hyper
chr1	170669601	170669800	*	2.59E-58	1.25E-57	0.19315	chr1_1706	sig	hyper
chr1	171841001	171841200	*	2.88E-89	2.00E-88	0.185955	chr1_1718	sig	hyper
chr1	171841201	171841400	*	5.85E-143	7.26E-142	0.175008	chr1_1718	sig	hyper
chr1	171841601	171841800	*	8.98E-218	2.28E-216	0.109121	chr1_1718	sig	hyper
chr1	173669801	173670000	*	8.27E-39	3.02E-38	0.14007	chr1_1736	sig	hyper
chr1	175599201	175599400	*	3.67E-160	5.38E-159	0.21925	chr1_1755	sig	hyper
chr1	175599401	175599600	*	2.21E-56	1.04E-55	0.203034	chr1_1755	sig	hyper
chr1	177171001	177171200	*	2.76E-167	4.35E-166	0.199344	chr1_1771	sig	hyper
chr1	177171401	177171600	*	0	0	0.25005	chr1_1771	sig	hyper
chr1	179586801	179587000	*	1.51E-72	8.70E-72	-0.18405	chr1_1795	sig	hypo
chr1	179592201	179592400	*	2.02E-35	6.94E-35	0.137777	chr1_1795	sig	hyper
chr1	179743801	179744000	*	4.83E-117	4.57E-116	0.236393	chr1_1797	sig	hyper
chr1	179744001	179744200	*	1.59E-155	2.23E-154	0.307513	chr1_1797	sig	hyper
chr1	179744601	179744800	*	1.25E-23	3.34E-23	0.108185	chr1_1797	sig	hyper
chr1	179812601	179812800	*	6.27E-61	3.13E-60	-0.19136	chr1_1798	sig	hypo
chr1	181318601	181318800	*	1.24E-200	2.70E-199	0.218522	chr1_1813	sig	hyper
chr1	181413601	181413800	*	1.44E-91	1.03E-90	-0.1583	chr1_1814	sig	hypo

chr1	181482801	181483000	*	7.71E-81	4.91E-80	0.104074	chr1_1814	sig	hyper
chr1	181483001	181483200	*	9.84E-157	1.40E-155	0.217672	chr1_1814	sig	hyper
chr1	181483601	181483800	*	0	0	0.257902	chr1_1814	sig	hyper
chr1	181483801	181484000	*	1.00E-146	1.29E-145	0.207176	chr1_1814	sig	hyper
chr1	181798601	181798800	*	1.02E-25	2.87E-25	-0.11813	chr1_1817	sig	hypo
chr1	182056801	182057000	*	3.32E-52	1.48E-51	0.134602	chr1_1820	sig	hyper
chr1	182952601	182952800	*	1.33E-42	5.18E-42	0.136151	chr1_1829	sig	hyper
chr1	183185801	183186000	*	2.33E-57	1.12E-56	-0.13737	chr1_1831	sig	hypo
chr1	183416801	183417000	*	4.98E-137	5.83E-136	0.171556	chr1_1834	sig	hyper
chr1	183417001	183417200	*	2.93E-71	1.67E-70	0.205529	chr1_1834	sig	hyper
chr1	183418201	183418400	*	1.39E-58	6.77E-58	0.141541	chr1_1834	sig	hyper
chr1	186680601	186680800	*	1.87E-28	5.60E-28	0.104287	chr1_1866	sig	hyper
chr1	190475601	190475800	*	2.10E-118	2.02E-117	0.130092	chr1_1904	sig	hyper
chr1	195721801	195722000	*	1.49E-38	5.42E-38	-0.18701	chr1_1957	sig	hypo
chr1	196608401	196608600	*	1.93E-43	7.59E-43	0.138831	chr1_1966	sig	hyper
chr1	196878001	196878200	*	3.61E-106	3.03E-105	0.215745	chr1_1968	sig	hyper
chr1	197913601	197913800	*	1.89E-51	8.33E-51	0.115303	chr1_1979	sig	hyper
chr1	197919601	197919800	*	7.87E-63	4.02E-62	0.137318	chr1_1979	sig	hyper
chr1	197920401	197920600	*	2.47E-58	1.20E-57	0.18723	chr1_1979	sig	hyper
chr1	197921201	197921400	*	3.15E-156	4.45E-155	0.236443	chr1_1979	sig	hyper
chr1	197921401	197921600	*	1.15E-118	1.11E-117	0.131952	chr1_1979	sig	hyper
chr1	200034201	200034400	*	8.11E-213	1.98E-211	0.342068	chr1_2000	sig	hyper
chr1	200036001	200036200	*	2.05E-215	5.09E-214	0.334564	chr1_2000	sig	hyper
chr1	200036201	200036400	*	9.29E-199	1.97E-197	0.398058	chr1_2000	sig	hyper
chr1	200036601	200036800	*	7.90E-170	1.29E-168	0.351405	chr1_2000	sig	hyper
chr1	200038201	200038400	*	1.49E-237	4.67E-236	0.414491	chr1_2000	sig	hyper
chr1	200038401	200038600	*	0	0	0.404761	chr1_2000	sig	hyper
chr1	200038601	200038800	*	2.88E-146	3.70E-145	0.33774	chr1_2000	sig	hyper
chr1	200041001	200041200	*	5.54E-303	3.14E-301	0.266829	chr1_2000	sig	hyper
chr1	200041401	200041600	*	0	0	0.462389	chr1_2000	sig	hyper
chr1	200041601	200041800	*	0	0	0.514112	chr1_2000	sig	hyper
chr1	200042201	200042400	*	2.14E-48	9.07E-48	0.100977	chr1_2000	sig	hyper
chr1	203027001	203027200	*	4.04E-45	1.63E-44	0.152047	chr1_2030	sig	hyper
chr1	204226001	204226200	*	2.87E-28	8.53E-28	-0.12437	chr1_2042	sig	hypo
chr1	205058001	205058200	*	1.18E-39	4.36E-39	-0.1516	chr1_2050	sig	hypo
chr1	205069801	205070000	*	1.23E-64	6.46E-64	-0.14829	chr1_2050	sig	hypo
chr1	205751401	205751600	*	3.05E-21	7.65E-21	-0.10282	chr1_2057	sig	hypo
chr1	205850001	205850200	*	1.09E-138	1.30E-137	0.211571	chr1_2058	sig	hyper
chr1	207453001	207453200	*	7.37E-55	3.42E-54	-0.17241	chr1_2074	sig	hypo
chr1	207495801	207496000	*	2.04E-110	1.79E-109	0.197384	chr1_2074	sig	hyper
chr1	207496201	207496400	*	5.79E-53	2.61E-52	0.1976	chr1_2074	sig	hyper
chr1	207645001	207645200	*	0	0	0.371766	chr1_2076	sig	hyper
chr1	207645201	207645400	*	0	0	0.407848	chr1_2076	sig	hyper
chr1	207645401	207645600	*	6.91E-235	2.11E-233	0.215351	chr1_2076	sig	hyper
chr1	207669601	207669800	*	8.51E-213	2.07E-211	0.24032	chr1_2076	sig	hyper
chr1	207669801	207670000	*	0	0	0.217246	chr1_2076	sig	hyper
chr1	207910601	207910800	*	7.17E-67	3.87E-66	0.195302	chr1_2079	sig	hyper
chr1	207959001	207959200	*	3.25E-96	2.44E-95	0.111325	chr1_2079	sig	hyper
chr1	207959401	207959600	*	6.39E-155	8.93E-154	0.191543	chr1_2079	sig	hyper
chr1	209937801	209938000	*	9.07E-83	5.90E-82	0.236526	chr1_2099	sig	hyper
chr1	209938601	209938800	*	3.74E-72	2.15E-71	0.264906	chr1_2099	sig	hyper
chr1	210328201	210328400	*	2.16E-34	7.29E-34	0.152396	chr1_2103	sig	hyper
chr1	211514601	211514800	*	8.54E-70	4.78E-69	-0.16992	chr1_2115	sig	hypo
chr1	211889401	211889600	*	5.43E-32	1.76E-31	-0.15321	chr1_2118	sig	hypo
chr1	213980001	213980200	*	4.75E-155	6.65E-154	0.201217	chr1_2139	sig	hyper
chr1	215083201	215083400	*	1.00E-45	4.08E-45	0.106666	chr1_2150	sig	hyper

chr1	215083401	215083600	*	1.17E-70	6.62E-70	0.15925	chr1_2150	sig	hyper
chr1	217090401	217090600	*	1.18E-60	5.90E-60	-0.16311	chr1_2170	sig	hypo
chr1	217138001	217138200	*	8.21E-63	4.20E-62	0.137724	chr1_2171	sig	hyper
chr1	217138201	217138400	*	3.38E-98	2.60E-97	0.164728	chr1_2171	sig	hyper
chr1	217139601	217139800	*	2.49E-103	2.02E-102	0.283905	chr1_2171	sig	hyper
chr1	218346801	218347000	*	1.26E-46	5.20E-46	0.111909	chr1_2183	sig	hyper
chr1	218347401	218347600	*	2.37E-57	1.13E-56	0.147012	chr1_2183	sig	hyper
chr1	219928201	219928400	*	6.66E-95	4.93E-94	0.122148	chr1_2199	sig	hyper
chr1	220877201	220877400	*	1.62E-64	8.47E-64	0.22177	chr1_2208	sig	hyper
chr1	220877401	220877600	*	3.00E-64	1.56E-63	0.20764	chr1_2208	sig	hyper
chr1	220877601	220877800	*	7.06E-23	1.85E-22	0.104899	chr1_2208	sig	hyper
chr1	220878401	220878600	*	9.00E-34	3.01E-33	0.119561	chr1_2208	sig	hyper
chr1	220881201	220881400	*	4.48E-142	5.51E-141	0.214909	chr1_2208	sig	hyper
chr1	220881401	220881600	*	1.18E-91	8.46E-91	0.162918	chr1_2208	sig	hyper
chr1	220882001	220882200	*	3.80E-78	2.34E-77	0.158379	chr1_2208	sig	hyper
chr1	220882201	220882400	*	4.03E-103	3.27E-102	0.195241	chr1_2208	sig	hyper
chr1	220882401	220882600	*	3.67E-80	2.32E-79	0.19904	chr1_2208	sig	hyper
chr1	220884001	220884200	*	5.93E-28	1.75E-27	0.122932	chr1_2208	sig	hyper
chr1	220884201	220884400	*	4.35E-179	7.63E-178	0.196981	chr1_2208	sig	hyper
chr1	220884401	220884600	*	0	0	0.285447	chr1_2208	sig	hyper
chr1	220884801	220885000	*	3.28E-140	3.95E-139	0.195984	chr1_2208	sig	hyper
chr1	220887401	220887600	*	5.69E-155	7.95E-154	0.16476	chr1_2208	sig	hyper
chr1	220887601	220887800	*	2.37E-31	7.56E-31	0.139173	chr1_2208	sig	hyper
chr1	220888401	220888600	*	9.34E-18	2.14E-17	0.102925	chr1_2208	sig	hyper
chr1	220891601	220891800	*	5.78E-80	3.64E-79	0.220654	chr1_2208	sig	hyper
chr1	220891801	220892000	*	1.07E-88	7.41E-88	0.159777	chr1_2208	sig	hyper
chr1	220894801	220895000	*	2.50E-25	6.98E-25	0.112459	chr1_2208	sig	hyper
chr1	220895401	220895600	*	1.13E-42	4.39E-42	0.103031	chr1_2208	sig	hyper
chr1	220895601	220895800	*	8.75E-75	5.20E-74	0.14702	chr1_2208	sig	hyper
chr1	222619201	222619400	*	9.14E-43	3.57E-42	-0.1709	chr1_2226	sig	hypo
chr1	222814401	222814600	*	1.48E-19	3.56E-19	0.100162	chr1_2228	sig	hyper
chr1	223129401	223129600	*	1.02E-37	3.66E-37	0.165912	chr1_2231	sig	hyper
chr1	224175801	224176000	*	3.20E-24	8.72E-24	0.135881	chr1_2241	sig	hyper
chr1	224617801	224618000	*	6.25E-122	6.24E-121	0.271732	chr1_2246	sig	hyper
chr1	224618001	224618200	*	8.04E-70	4.51E-69	0.180875	chr1_2246	sig	hyper
chr1	225677601	225677800	*	1.49E-22	3.86E-22	0.100547	chr1_2256	sig	hyper
chr1	225889801	225890000	*	1.09E-15	2.34E-15	-0.10643	chr1_2258	sig	hypo
chr1	225911201	225911400	*	1.14E-38	4.14E-38	-0.14899	chr1_2259	sig	hypo
chr1	226737001	226737200	*	3.04E-76	1.83E-75	0.180929	chr1_2267	sig	hyper
chr1	227493001	227493200	*	7.45E-33	2.45E-32	-0.10311	chr1_2274	sig	hypo
chr1	227888001	227888200	*	2.42E-80	1.53E-79	0.168873	chr1_2278	sig	hyper
chr1	228006201	228006400	*	8.10E-102	6.50E-101	0.176765	chr1_2280	sig	hyper
chr1	228058801	228059000	*	1.00E-97	7.66E-97	0.217177	chr1_2280	sig	hyper
chr1	228158201	228158400	*	6.65E-150	8.88E-149	0.206915	chr1_2281	sig	hyper
chr1	228158401	228158600	*	2.07E-126	2.17E-125	0.185661	chr1_2281	sig	hyper
chr1	228212401	228212600	*	1.27E-58	6.17E-58	0.152479	chr1_2282	sig	hyper
chr1	228215601	228215800	*	4.44E-143	5.51E-142	-0.14242	chr1_2282	sig	hypo
chr1	228283001	228283200	*	8.21E-94	6.00E-93	-0.11515	chr1_2282	sig	hypo
chr1	228322001	228322200	*	1.20E-49	5.19E-49	-0.10949	chr1_2283	sig	hypo
chr1	228341201	228341400	*	0	0	-0.29886	chr1_2283	sig	hypo
chr1	228446401	228446600	*	2.39E-44	9.53E-44	0.212429	chr1_2284	sig	hyper
chr1	228464001	228464200	*	7.77E-78	4.78E-77	0.156281	chr1_2284	sig	hyper
chr1	228464401	228464600	*	0	0	0.243203	chr1_2284	sig	hyper
chr1	228464601	228464800	*	0	0	0.249713	chr1_2284	sig	hyper
chr1	228464801	228465000	*	1.21E-261	4.70E-260	0.282252	chr1_2284	sig	hyper
chr1	228465201	228465400	*	5.90E-61	2.94E-60	0.192285	chr1_2284	sig	hyper

chr1	228465401	228465600	*	1.38E-41	5.27E-41	0.190464	chr1_2284	sig	hyper
chr1	228469801	228470000	*	3.06E-44	1.22E-43	0.110982	chr1_2284	sig	hyper
chr1	228470001	228470200	*	1.08E-31	3.46E-31	0.110218	chr1_2284	sig	hyper
chr1	228650201	228650400	*	4.05E-61	2.03E-60	0.154635	chr1_2286	sig	hyper
chr1	229270601	229270800	*	2.21E-30	6.92E-30	-0.10159	chr1_2292	sig	hypo
chr1	229407201	229407400	*	9.13E-252	3.28E-250	0.262728	chr1_2294	sig	hyper
chr1	229407801	229408000	*	5.85E-61	2.92E-60	0.139348	chr1_2294	sig	hyper
chr1	229432601	229432800	*	3.45E-130	3.75E-129	0.214738	chr1_2294	sig	hyper
chr1	229434001	229434200	*	1.18E-233	3.57E-232	0.226549	chr1_2294	sig	hyper
chr1	229434401	229434600	*	1.47E-118	1.42E-117	0.214844	chr1_2294	sig	hyper
chr1	229570401	229570600	*	3.42E-79	2.14E-78	-0.15815	chr1_2295	sig	hypo
chr1	230747401	230747600	*	1.70E-50	7.42E-50	-0.13911	chr1_2307	sig	hypo
chr1	231161201	231161400	*	4.70E-116	4.41E-115	0.205514	chr1_2311	sig	hyper
chr1	231163601	231163800	*	6.91E-69	3.83E-68	0.170664	chr1_2311	sig	hyper
chr1	232327801	232328000	*	6.42E-76	3.86E-75	0.209788	chr1_2323	sig	hyper
chr1	232805201	232805400	*	1.51E-87	1.03E-86	0.106864	chr1_2328	sig	hyper
chr1	234231401	234231600	*	6.73E-44	2.67E-43	-0.14621	chr1_2342	sig	hypo
chr1	234234801	234235000	*	1.40E-48	5.97E-48	-0.18556	chr1_2342	sig	hypo
chr1	234723201	234723400	*	0	0	-0.37455	chr1_2347	sig	hypo
chr1	234969801	234970000	*	3.99E-58	1.93E-57	0.171672	chr1_2349	sig	hyper
chr1	234970001	234970200	*	2.06E-169	3.34E-168	0.173306	chr1_2349	sig	hyper
chr1	235642401	235642600	*	7.27E-48	3.06E-47	-0.14496	chr1_2356	sig	hypo
chr1	235883601	235883800	*	9.26E-38	3.31E-37	-0.17038	chr1_2358	sig	hypo
chr1	236064001	236064200	*	9.62E-40	3.57E-39	0.136933	chr1_2360	sig	hyper
chr1	236155001	236155200	*	0	0	-0.30347	chr1_2361	sig	hypo
chr1	236155201	236155400	*	4.33E-131	4.76E-130	-0.22851	chr1_2361	sig	hypo
chr1	236396001	236396200	*	2.50E-57	1.19E-56	0.161358	chr1_2363	sig	hyper
chr1	236686001	236686200	*	2.04E-29	6.26E-29	0.157304	chr1_2366	sig	hyper
chr1	236687001	236687200	*	2.56E-78	1.58E-77	0.179767	chr1_2366	sig	hyper
chr1	237041801	237042000	*	3.01E-143	3.74E-142	0.172381	chr1_2370	sig	hyper
chr1	237043201	237043400	*	1.10E-104	9.13E-104	0.246505	chr1_2370	sig	hyper
chr1	240492801	240493000	*	1.60E-42	6.22E-42	0.101985	chr1_2404	sig	hyper
chr1	241958401	241958600	*	7.42E-20	1.80E-19	-0.1187	chr1_2419	sig	hypo
chr1	242523601	242523800	*	8.00E-80	5.03E-79	0.240691	chr1_2425	sig	hyper
chr1	242524001	242524200	*	6.34E-190	1.25E-188	0.207601	chr1_2425	sig	hyper
chr1	242524801	242525000	*	1.23E-60	6.12E-60	0.129772	chr1_2425	sig	hyper
chr1	242525201	242525400	*	2.59E-128	2.77E-127	0.194272	chr1_2425	sig	hyper
chr1	242890401	242890600	*	9.14E-95	6.76E-94	0.155797	chr1_2428	sig	hyper
chr1	243482801	243483000	*	1.99E-21	5.02E-21	0.146793	chr1_2434	sig	hyper
chr1	243917401	243917600	*	4.34E-132	4.82E-131	0.208018	chr1_2439	sig	hyper
chr1	243917601	243917800	*	0	0	0.285062	chr1_2439	sig	hyper
chr1	245336401	245336600	*	1.51E-31	4.84E-31	-0.11807	chr1_2453	sig	hypo
chr1	246697001	246697200	*	1.70E-60	8.45E-60	-0.15844	chr1_2466	sig	hypo
chr1	246795401	246795600	*	1.49E-30	4.68E-30	-0.11226	chr1_2467	sig	hypo
chr1	247079601	247079800	*	7.61E-13	1.48E-12	-0.1075	chr1_2470	sig	hypo
chr1	247113601	247113800	*	5.13E-40	1.91E-39	-0.13641	chr1_2471	sig	hypo
chr1	247373801	247374000	*	6.49E-62	3.28E-61	0.162101	chr1_2473	sig	hyper
chr1	247518001	247518200	*	9.73E-57	4.62E-56	0.142815	chr1_2475	sig	hyper
chr1	247549001	247549200	*	1.99E-37	7.07E-37	-0.21059	chr1_2475	sig	hypo
chr1	247936801	247937000	*	3.74E-86	2.52E-85	0.151652	chr1_2479	sig	hyper
chr1	247937001	247937200	*	1.01E-215	2.52E-214	0.256219	chr1_2479	sig	hyper
chr2	394201	394400	*	6.46E-106	5.41E-105	-0.1923	chr2_3942	sig	hypo
chr2	394401	394600	*	2.71E-145	3.45E-144	-0.25808	chr2_3944	sig	hypo
chr2	467801	468000	*	4.88E-228	1.40E-226	0.285924	chr2_4678	sig	hyper
chr2	469001	469200	*	8.66E-69	4.79E-68	0.106129	chr2_4690	sig	hyper
chr2	469601	469800	*	2.71E-86	1.83E-85	-0.14392	chr2_4696	sig	hypo

chr2	469801	470000	*	3.75E-80	2.37E-79	-0.17973	chr2_4698	sig	hypo
chr2	558601	558800	*	3.39E-31	1.08E-30	-0.12469	chr2_5586	sig	hypo
chr2	628801	629000	*	1.49E-80	9.46E-80	-0.12051	chr2_6288	sig	hypo
chr2	662801	663000	*	2.05E-36	7.18E-36	-0.10989	chr2_6628	sig	hypo
chr2	691001	691200	*	1.01E-101	8.07E-101	-0.27325	chr2_6910	sig	hypo
chr2	721001	721200	*	3.79E-21	9.49E-21	-0.10137	chr2_7210	sig	hypo
chr2	731201	731400	*	2.30E-26	6.59E-26	-0.12993	chr2_7312	sig	hypo
chr2	868401	868600	*	2.46E-22	6.35E-22	0.108417	chr2_8684	sig	hyper
chr2	869001	869200	*	7.25E-78	4.46E-77	0.188906	chr2_8690	sig	hyper
chr2	910801	911000	*	1.22E-146	1.57E-145	-0.20078	chr2_9108	sig	hypo
chr2	949601	949800	*	1.99E-137	2.34E-136	0.198294	chr2_9496	sig	hyper
chr2	950201	950400	*	1.06E-125	1.10E-124	0.278339	chr2_9502	sig	hyper
chr2	951401	951600	*	3.22E-146	4.13E-145	0.238215	chr2_9514	sig	hyper
chr2	1138201	1138400	*	1.79E-33	5.94E-33	-0.10459	chr2_1138	sig	hypo
chr2	1225401	1225600	*	1.72E-36	6.02E-36	0.101822	chr2_1225	sig	hyper
chr2	1225601	1225800	*	5.65E-30	1.75E-29	0.120971	chr2_1225	sig	hyper
chr2	1633201	1633400	*	0	0	-0.47587	chr2_1633	sig	hypo
chr2	1644601	1644800	*	5.48E-22	1.40E-21	-0.10216	chr2_1644	sig	hypo
chr2	1654401	1654600	*	6.51E-129	7.01E-128	-0.29726	chr2_1654	sig	hypo
chr2	1665001	1665200	*	4.92E-90	3.45E-89	-0.17215	chr2_1665	sig	hypo
chr2	1665201	1665400	*	0	0	-0.39163	chr2_1665	sig	hypo
chr2	1686001	1686200	*	3.03E-71	1.73E-70	-0.2095	chr2_1686	sig	hypo
chr2	1686801	1687000	*	7.08E-62	3.58E-61	-0.10704	chr2_1686	sig	hypo
chr2	1691401	1691600	*	5.56E-163	8.39E-162	-0.30834	chr2_1691	sig	hypo
chr2	1742801	1743000	*	8.52E-51	3.73E-50	0.118412	chr2_1742	sig	hyper
chr2	1743001	1743200	*	0.00E+00	0.00E+00	0.216614	chr2_1743	sig	hyper
chr2	1792201	1792400	*	4.53E-64	2.35E-63	-0.1235	chr2_1792	sig	hypo
chr2	1837201	1837400	*	2.66E-150	3.56E-149	-0.24452	chr2_1837	sig	hypo
chr2	2189601	2189800	*	1.04E-35	3.60E-35	-0.10378	chr2_2189	sig	hypo
chr2	3060201	3060400	*	2.77E-60	1.38E-59	-0.1313	chr2_3060	sig	hypo
chr2	3483201	3483400	*	1.06E-30	3.34E-30	0.14362	chr2_3483	sig	hyper
chr2	3535801	3536000	*	1.53E-26	4.39E-26	-0.1327	chr2_3535	sig	hypo
chr2	3585801	3586000	*	3.60E-25	1.00E-24	-0.10208	chr2_3585	sig	hypo
chr2	3594801	3595000	*	3.09E-17	6.95E-17	0.10275	chr2_3594	sig	hyper
chr2	3595001	3595200	*	1.08E-112	9.69E-112	0.150955	chr2_3595	sig	hyper
chr2	3649801	3650000	*	3.62E-51	1.59E-50	-0.10647	chr2_3649	sig	hypo
chr2	3702801	3703000	*	9.38E-40	3.48E-39	0.108401	chr2_3702	sig	hyper
chr2	3769401	3769600	*	8.49E-30	2.62E-29	-0.13359	chr2_3769	sig	hypo
chr2	3780601	3780800	*	1.96E-37	6.97E-37	0.150296	chr2_3780	sig	hyper
chr2	5691001	5691200	*	0	0	0.253613	chr2_5691	sig	hyper
chr2	5692801	5693000	*	0	0	0.298184	chr2_5692	sig	hyper
chr2	5693001	5693200	*	1.02E-243	3.40E-242	0.310327	chr2_5693	sig	hyper
chr2	5696001	5696200	*	2.69E-281	1.23E-279	0.299557	chr2_5696	sig	hyper
chr2	5696201	5696400	*	8.93E-100	6.98E-99	0.345855	chr2_5696	sig	hyper
chr2	5697201	5697400	*	7.74E-244	2.58E-242	0.317315	chr2_5697	sig	hyper
chr2	7031801	7032000	*	4.27E-65	2.25E-64	-0.12277	chr2_7031	sig	hypo
chr2	7431001	7431200	*	1.23E-57	5.90E-57	0.142834	chr2_7431	sig	hyper
chr2	8457601	8457800	*	5.53E-18	1.27E-17	-0.10786	chr2_8457	sig	hypo
chr2	8545401	8545600	*	9.41E-23	2.46E-22	-0.11253	chr2_8545	sig	hypo
chr2	8709801	8710000	*	1.07E-24	2.94E-24	-0.11909	chr2_8709	sig	hypo
chr2	9212801	9213000	*	1.82E-117	1.73E-116	-0.22115	chr2_9212	sig	hypo
chr2	9754001	9754200	*	5.31E-14	1.08E-13	-0.10248	chr2_9754	sig	hypo
chr2	9820401	9820600	*	8.65E-104	7.08E-103	-0.18877	chr2_9820	sig	hypo
chr2	10042801	10043000	*	3.93E-228	1.13E-226	0.222381	chr2_1004	sig	hyper
chr2	10044401	10044600	*	5.36E-49	2.29E-48	0.132261	chr2_1004	sig	hyper
chr2	10091401	10091600	*	9.17E-62	4.63E-61	0.138951	chr2_1009	sig	hyper

chr2	10162201	10162400	*	3.33E-166	5.21E-165	-0.19135	chr2_1016	sig	hypo
chr2	10301801	10302000	*	5.59E-28	1.66E-27	-0.1197	chr2_1030	sig	hypo
chr2	10331201	10331400	*	1.85E-141	2.26E-140	-0.23102	chr2_1033	sig	hypo
chr2	10548001	10548200	*	5.40E-102	4.34E-101	-0.1641	chr2_1054	sig	hypo
chr2	10914001	10914200	*	8.40E-17	1.87E-16	-0.10823	chr2_1091	sig	hypo
chr2	11105201	11105400	*	5.34E-256	2.00E-254	-0.29499	chr2_1110	sig	hypo
chr2	11587001	11587200	*	2.58E-133	2.91E-132	-0.28821	chr2_1158	sig	hypo
chr2	11612801	11613000	*	4.60E-131	5.05E-130	-0.32172	chr2_1161	sig	hypo
chr2	11618401	11618600	*	8.52E-96	6.37E-95	-0.13901	chr2_1161	sig	hypo
chr2	11634801	11635000	*	5.34E-47	2.22E-46	-0.13098	chr2_1163	sig	hypo
chr2	11656601	11656800	*	2.29E-36	7.99E-36	-0.16435	chr2_1165	sig	hypo
chr2	11656801	11657000	*	2.90E-53	1.31E-52	-0.10014	chr2_1165	sig	hypo
chr2	11777401	11777600	*	2.21E-52	9.87E-52	-0.13765	chr2_1177	sig	hypo
chr2	11777601	11777800	*	1.31E-75	7.88E-75	-0.18725	chr2_1177	sig	hypo
chr2	11850201	11850400	*	6.97E-74	4.08E-73	-0.10461	chr2_1185	sig	hypo
chr2	12718401	12718600	*	8.06E-161	1.19E-159	0.119926	chr2_1271	sig	hyper
chr2	17877601	17877800	*	7.88E-26	2.23E-25	0.135463	chr2_1787	sig	hyper
chr2	19357401	19357600	*	5.68E-51	2.49E-50	0.194878	chr2_1935	sig	hyper
chr2	20106801	20107000	*	4.10E-105	3.40E-104	0.253575	chr2_2010	sig	hyper
chr2	20107001	20107200	*	3.48E-132	3.87E-131	0.265198	chr2_2010	sig	hyper
chr2	20670201	20670400	*	4.23E-77	2.58E-76	0.236125	chr2_2067	sig	hyper
chr2	20670401	20670600	*	0.00E+00	0.00E+00	0.257887	chr2_2067	sig	hyper
chr2	20671201	20671400	*	5.74E-241	1.87E-239	0.275945	chr2_2067	sig	hyper
chr2	20671401	20671600	*	3.32E-88	2.29E-87	0.187824	chr2_2067	sig	hyper
chr2	23554401	23554600	*	2.67E-88	1.84E-87	-0.17178	chr2_2355	sig	hypo
chr2	23616801	23617000	*	0	0	-0.25786	chr2_2361	sig	hypo
chr2	24011001	24011200	*	2.79E-25	7.79E-25	-0.14418	chr2_2401	sig	hypo
chr2	24174801	24175000	*	9.10E-27	2.63E-26	0.111416	chr2_2417	sig	hyper
chr2	24330201	24330400	*	7.63E-30	2.36E-29	0.104319	chr2_2433	sig	hyper
chr2	24970801	24971000	*	6.67E-43	2.61E-42	-0.16178	chr2_2497	sig	hypo
chr2	25161801	25162000	*	3.96E-42	1.53E-41	-0.12562	chr2_2516	sig	hypo
chr2	25167401	25167600	*	5.72E-20	1.39E-19	0.126765	chr2_2516	sig	hyper
chr2	25167601	25167800	*	1.93E-66	1.03E-65	0.167592	chr2_2516	sig	hyper
chr2	25698201	25698400	*	8.63E-32	2.78E-31	-0.20073	chr2_2569	sig	hypo
chr2	25822201	25822400	*	4.05E-116	3.80E-115	0.159937	chr2_2582	sig	hyper
chr2	25822401	25822600	*	1.83E-36	6.40E-36	0.128888	chr2_2582	sig	hyper
chr2	26693601	26693800	*	1.38E-64	7.25E-64	0.1219	chr2_2669	sig	hyper
chr2	26847401	26847600	*	3.07E-99	2.39E-98	0.141179	chr2_2684	sig	hyper
chr2	26971401	26971600	*	4.45E-62	2.25E-61	-0.17342	chr2_2697	sig	hypo
chr2	27049401	27049600	*	4.07E-31	1.29E-30	0.14312	chr2_2704	sig	hyper
chr2	27255401	27255600	*	3.20E-31	1.02E-30	-0.12913	chr2_2725	sig	hypo
chr2	27307401	27307600	*	2.04E-64	1.07E-63	0.102837	chr2_2730	sig	hyper
chr2	27308201	27308400	*	8.69E-121	8.56E-120	0.163112	chr2_2730	sig	hyper
chr2	27308401	27308600	*	7.23E-99	5.60E-98	0.141757	chr2_2730	sig	hyper
chr2	28981201	28981400	*	3.13E-32	1.02E-31	-0.12013	chr2_2898	sig	hypo
chr2	29115001	29115200	*	1.33E-170	2.18E-169	0.30867	chr2_2911	sig	hyper
chr2	29920001	29920200	*	1.30E-79	8.19E-79	0.268142	chr2_2992	sig	hyper
chr2	29920601	29920800	*	2.41E-134	2.75E-133	0.284863	chr2_2992	sig	hyper
chr2	29921201	29921400	*	7.24E-231	2.13E-229	0.384099	chr2_2992	sig	hyper
chr2	30230401	30230600	*	5.01E-21	1.25E-20	0.136029	chr2_3023	sig	hyper
chr2	30230801	30231000	*	3.93E-65	2.08E-64	0.243272	chr2_3023	sig	hyper
chr2	31137801	31138000	*	0	0	0.20806	chr2_3113	sig	hyper
chr2	31233801	31234000	*	7.51E-109	6.47E-108	0.121026	chr2_3123	sig	hyper
chr2	31580801	31581000	*	3.15E-226	8.74E-225	0.32647	chr2_3158	sig	hyper
chr2	31581001	31581200	*	1.66E-82	1.08E-81	0.23946	chr2_3158	sig	hyper
chr2	31581201	31581400	*	2.11E-43	8.31E-43	0.157507	chr2_3158	sig	hyper

chr2	37344201	37344400	*	1.25E-28	3.76E-28	-0.1177	chr2_3734	sig	hypo
chr2	38038401	38038600	*	5.08E-207	1.19E-205	0.321313	chr2_3803	sig	hyper
chr2	38073601	38073800	*	6.08E-113	5.50E-112	0.173301	chr2_3807	sig	hyper
chr2	38074601	38074800	*	3.77E-157	5.40E-156	0.277341	chr2_3807	sig	hyper
chr2	38075401	38075600	*	2.68E-150	3.59E-149	0.384979	chr2_3807	sig	hyper
chr2	38515401	38515600	*	1.11E-59	5.45E-59	-0.20475	chr2_3851	sig	hypo
chr2	38960401	38960600	*	1.49E-209	3.54E-208	0.223731	chr2_3896	sig	hyper
chr2	38960601	38960800	*	4.57E-43	1.79E-42	0.219208	chr2_3896	sig	hyper
chr2	39243601	39243800	*	3.16E-36	1.10E-35	0.134818	chr2_3924	sig	hyper
chr2	39244201	39244400	*	5.04E-13	9.84E-13	0.111077	chr2_3924	sig	hyper
chr2	39665201	39665400	*	3.52E-23	9.31E-23	0.1129	chr2_3966	sig	hyper
chr2	40451401	40451600	*	9.80E-104	8.01E-103	0.212431	chr2_4045	sig	hyper
chr2	40452401	40452600	*	4.32E-140	5.20E-139	0.22093	chr2_4045	sig	hyper
chr2	42102201	42102400	*	2.46E-58	1.19E-57	0.218009	chr2_4210	sig	hyper
chr2	42492601	42492800	*	3.92E-55	1.82E-54	0.111911	chr2_4249	sig	hyper
chr2	43100801	43101000	*	1.98E-109	1.72E-108	-0.12504	chr2_4310	sig	hypo
chr2	44801001	44801200	*	1.71E-24	4.68E-24	0.15659	chr2_4480	sig	hyper
chr2	44801601	44801800	*	9.59E-109	8.25E-108	0.24702	chr2_4480	sig	hyper
chr2	44928001	44928200	*	1.89E-126	1.98E-125	0.219578	chr2_4492	sig	hyper
chr2	44928601	44928800	*	1.57E-123	1.60E-122	0.168062	chr2_4492	sig	hyper
chr2	44930001	44930200	*	3.36E-108	2.87E-107	0.163955	chr2_4493	sig	hyper
chr2	44932201	44932400	*	2.25E-56	1.06E-55	0.14193	chr2_4493	sig	hyper
chr2	44932401	44932600	*	2.77E-116	2.60E-115	0.207215	chr2_4493	sig	hyper
chr2	44932601	44932800	*	5.69E-117	5.39E-116	0.29074	chr2_4493	sig	hyper
chr2	44932801	44933000	*	0	0	0.313852	chr2_4493	sig	hyper
chr2	44933201	44933400	*	9.85E-267	4.01E-265	0.262741	chr2_4493	sig	hyper
chr2	44934001	44934200	*	9.27E-24	2.49E-23	0.106494	chr2_4493	sig	hyper
chr2	44943001	44943200	*	1.37E-187	2.61E-186	0.312713	chr2_4494	sig	hyper
chr2	44943801	44944000	*	1.60E-21	4.06E-21	0.116442	chr2_4494	sig	hyper
chr2	44944601	44944800	*	3.19E-176	5.49E-175	0.278725	chr2_4494	sig	hyper
chr2	44945001	44945200	*	7.16E-87	4.84E-86	0.263018	chr2_4494	sig	hyper
chr2	44955001	44955200	*	4.02E-247	1.38E-245	0.161242	chr2_4495	sig	hyper
chr2	45004601	45004800	*	0	0	0.190432	chr2_4500	sig	hyper
chr2	45006201	45006400	*	1.40E-63	7.23E-63	0.167892	chr2_4500	sig	hyper
chr2	45010601	45010800	*	6.85E-58	3.30E-57	0.10607	chr2_4501	sig	hyper
chr2	45170801	45171000	*	7.57E-102	6.08E-101	0.225264	chr2_4517	sig	hyper
chr2	47571201	47571400	*	1.78E-118	1.72E-117	0.10098	chr2_4757	sig	hyper
chr2	48755401	48755600	*	9.09E-151	1.22E-149	0.267896	chr2_4875	sig	hyper
chr2	50347401	50347600	*	1.34E-238	4.24E-237	0.217521	chr2_5034	sig	hyper
chr2	50347601	50347800	*	4.66E-73	2.70E-72	0.217816	chr2_5034	sig	hyper
chr2	50347801	50348000	*	1.65E-153	2.28E-152	0.218067	chr2_5034	sig	hyper
chr2	53860201	53860400	*	3.04E-130	3.31E-129	0.283488	chr2_5386	sig	hyper
chr2	54709601	54709800	*	7.96E-26	2.25E-25	-0.10254	chr2_5470	sig	hypo
chr2	55923201	55923400	*	1.44E-179	2.54E-178	0.148911	chr2_5592	sig	hyper
chr2	55923801	55924000	*	5.69E-103	4.62E-102	0.253307	chr2_5592	sig	hyper
chr2	55924001	55924200	*	5.45E-141	6.62E-140	0.186546	chr2_5592	sig	hyper
chr2	58428801	58429000	*	1.13E-78	7.01E-78	0.153232	chr2_5842	sig	hyper
chr2	61144801	61145000	*	3.06E-112	2.74E-111	0.253283	chr2_6114	sig	hyper
chr2	62232001	62232200	*	3.23E-58	1.56E-57	-0.19265	chr2_6223	sig	hypo
chr2	63047201	63047400	*	6.42E-21	1.60E-20	0.107131	chr2_6304	sig	hyper
chr2	63048401	63048600	*	6.77E-132	7.51E-131	0.153083	chr2_6304	sig	hyper
chr2	63048601	63048800	*	8.14E-43	3.18E-42	0.100609	chr2_6304	sig	hyper
chr2	63053201	63053400	*	1.26E-117	1.20E-116	0.197276	chr2_6305	sig	hyper
chr2	63053801	63054000	*	8.06E-137	9.42E-136	0.216995	chr2_6305	sig	hyper
chr2	63054601	63054800	*	6.15E-41	2.33E-40	0.182857	chr2_6305	sig	hyper
chr2	63055401	63055600	*	4.35E-245	1.47E-243	0.279074	chr2_6305	sig	hyper

chr2	63055601	63055800	*	0	0	0.238592	chr2_6305	sig	hyper
chr2	63055801	63056000	*	0	0	0.196575	chr2_6305	sig	hyper
chr2	63056601	63056800	*	4.16E-50	1.80E-49	0.182911	chr2_6305	sig	hyper
chr2	63056801	63057000	*	2.18E-177	3.80E-176	0.117145	chr2_6305	sig	hyper
chr2	63057401	63057600	*	4.23E-49	1.81E-48	0.172699	chr2_6305	sig	hyper
chr2	63057601	63057800	*	8.86E-83	5.76E-82	0.187624	chr2_6305	sig	hyper
chr2	63059401	63059600	*	4.23E-34	1.42E-33	0.128157	chr2_6305	sig	hyper
chr2	63806601	63806800	*	6.99E-45	2.81E-44	-0.19898	chr2_6380	sig	hypo
chr2	66425601	66425800	*	1.42E-136	1.66E-135	0.182521	chr2_6642	sig	hyper
chr2	66425801	66426000	*	2.99E-184	5.49E-183	0.22052	chr2_6642	sig	hyper
chr2	66433001	66433200	*	0	0	0.363198	chr2_6643	sig	hyper
chr2	66435601	66435800	*	7.97E-108	6.79E-107	0.161389	chr2_6643	sig	hyper
chr2	66437801	66438000	*	1.56E-34	5.28E-34	0.119468	chr2_6643	sig	hyper
chr2	66439401	66439600	*	1.74E-65	9.25E-65	0.219289	chr2_6643	sig	hyper
chr2	66440201	66440400	*	2.02E-39	7.45E-39	0.120374	chr2_6644	sig	hyper
chr2	66440401	66440600	*	1.03E-68	5.69E-68	0.15966	chr2_6644	sig	hyper
chr2	66445401	66445600	*	1.40E-43	5.53E-43	0.110848	chr2_6644	sig	hyper
chr2	66445601	66445800	*	8.71E-130	9.45E-129	0.155899	chr2_6644	sig	hyper
chr2	66576601	66576800	*	2.42E-70	1.36E-69	0.106468	chr2_6657	sig	hyper
chr2	66582001	66582200	*	7.51E-217	1.89E-215	0.233408	chr2_6658	sig	hyper
chr2	68319801	68320000	*	6.16E-229	1.77E-227	0.374337	chr2_6831	sig	hyper
chr2	68655001	68655200	*	2.51E-24	6.86E-24	-0.10144	chr2_6865	sig	hypo
chr2	68774801	68775000	*	3.84E-62	1.95E-61	0.111	chr2_6877	sig	hyper
chr2	69387801	69388000	*	2.70E-42	1.04E-41	-0.17086	chr2_6938	sig	hypo
chr2	70767601	70767800	*	2.62E-229	7.57E-228	0.129896	chr2_7076	sig	hyper
chr2	70767801	70768000	*	3.82E-104	3.14E-103	0.117286	chr2_7076	sig	hyper
chr2	70768001	70768200	*	5.57E-98	4.27E-97	0.145475	chr2_7076	sig	hyper
chr2	70790401	70790600	*	2.41E-274	1.04E-272	0.283593	chr2_7079	sig	hyper
chr2	70889001	70889200	*	8.59E-32	2.77E-31	0.10147	chr2_7088	sig	hyper
chr2	70889201	70889400	*	1.40E-33	4.65E-33	0.152297	chr2_7088	sig	hyper
chr2	70889401	70889600	*	9.37E-126	9.75E-125	0.185537	chr2_7088	sig	hyper
chr2	70889601	70889800	*	6.99E-120	6.83E-119	0.179191	chr2_7088	sig	hyper
chr2	71466001	71466200	*	2.09E-112	1.87E-111	0.182762	chr2_7146	sig	hyper
chr2	72919801	72920000	*	5.04E-21	1.26E-20	0.111545	chr2_7291	sig	hyper
chr2	72925401	72925600	*	4.65E-68	2.55E-67	0.144784	chr2_7292	sig	hyper
chr2	73203201	73203400	*	7.86E-70	4.40E-69	0.292016	chr2_7320	sig	hyper
chr2	73203401	73203600	*	1.48E-52	6.63E-52	0.149869	chr2_7320	sig	hyper
chr2	73291001	73291200	*	4.66E-66	2.50E-65	0.214359	chr2_7329	sig	hyper
chr2	73291401	73291600	*	1.02E-184	1.88E-183	0.211573	chr2_7329	sig	hyper
chr2	73291601	73291800	*	1.68E-177	2.92E-176	0.221586	chr2_7329	sig	hyper
chr2	73292801	73293000	*	1.58E-76	9.58E-76	0.153118	chr2_7329	sig	hyper
chr2	74130401	74130600	*	6.23E-37	2.20E-36	0.144844	chr2_7413	sig	hyper
chr2	74130601	74130800	*	8.23E-32	2.65E-31	0.10957	chr2_7413	sig	hyper
chr2	74148201	74148400	*	1.54E-77	9.44E-77	0.228568	chr2_7414	sig	hyper
chr2	74415201	74415400	*	2.40E-188	4.65E-187	0.31038	chr2_7441	sig	hyper
chr2	74415601	74415800	*	5.67E-205	1.30E-203	0.286267	chr2_7441	sig	hyper
chr2	74441401	74441600	*	2.88E-33	9.53E-33	-0.10419	chr2_7444	sig	hypo
chr2	74499201	74499400	*	0	0	0.223136	chr2_7449	sig	hyper
chr2	74499401	74499600	*	0	0	0.225894	chr2_7449	sig	hyper
chr2	74499801	74500000	*	0	0	0.306247	chr2_7449	sig	hyper
chr2	74515201	74515400	*	5.21E-106	4.37E-105	0.255449	chr2_7451	sig	hyper
chr2	74516001	74516200	*	2.32E-150	3.12E-149	0.178271	chr2_7451	sig	hyper
chr2	74516201	74516400	*	0	0	0.206224	chr2_7451	sig	hyper
chr2	74516401	74516600	*	2.40E-187	4.58E-186	0.245272	chr2_7451	sig	hyper
chr2	80302401	80302600	*	7.01E-105	5.81E-104	0.286365	chr2_8030	sig	hyper
chr2	80302801	80303000	*	3.02E-185	5.60E-184	0.255214	chr2_8030	sig	hyper

chr2	80303201	80303400	*	1.00E-131	1.11E-130	0.112982	chr2_8030	sig	hyper
chr2	80322601	80322800	*	1.70E-128	1.82E-127	0.250106	chr2_8032	sig	hyper
chr2	80322801	80323000	*	1.43E-76	8.70E-76	0.155227	chr2_8032	sig	hyper
chr2	85135401	85135600	*	1.10E-15	2.36E-15	0.107728	chr2_8513	sig	hyper
chr2	85584201	85584400	*	1.46E-179	2.56E-178	0.226842	chr2_8558	sig	hyper
chr2	86036001	86036200	*	3.65E-30	1.14E-29	-0.12472	chr2_8603	sig	hypo
chr2	86338801	86339000	*	9.11E-38	3.26E-37	-0.15195	chr2_8633	sig	hypo
chr2	86789001	86789200	*	1.63E-180	2.89E-179	0.207589	chr2_8678	sig	hyper
chr2	86790201	86790400	*	3.94E-175	6.74E-174	0.210074	chr2_8679	sig	hyper
chr2	86790801	86791000	*	1.12E-53	5.10E-53	0.139117	chr2_8679	sig	hyper
chr2	86809801	86810000	*	2.88E-116	2.70E-115	0.196221	chr2_8680	sig	hyper
chr2	88169801	88170000	*	6.82E-46	2.79E-45	-0.21091	chr2_8816	sig	hypo
chr2	88284001	88284200	*	2.07E-26	5.92E-26	0.11066	chr2_8828	sig	hyper
chr2	88350201	88350400	*	8.51E-18	1.95E-17	-0.12389	chr2_8835	sig	hypo
chr2	88448401	88448600	*	2.41E-30	7.52E-30	-0.15811	chr2_8844	sig	hypo
chr2	88451801	88452000	*	3.36E-142	4.14E-141	0.161566	chr2_8845	sig	hyper
chr2	88453001	88453200	*	8.05E-151	1.09E-149	0.205375	chr2_8845	sig	hyper
chr2	88453201	88453400	*	8.44E-60	4.16E-59	0.187057	chr2_8845	sig	hyper
chr2	88765201	88765400	*	6.00E-225	1.65E-223	0.297699	chr2_8876	sig	hyper
chr2	89585801	89586000	*	1.56E-27	4.57E-27	0.106612	chr2_8958	sig	hyper
chr2	89611801	89612000	*	2.25E-283	1.05E-281	0.269627	chr2_8961	sig	hyper
chr2	91443001	91443200	*	2.78E-89	1.94E-88	0.245848	chr2_9144	sig	hyper
chr2	94871601	94871800	*	8.85E-173	1.48E-171	0.165623	chr2_9487	sig	hyper
chr2	94998601	94998800	*	7.27E-44	2.89E-43	0.220099	chr2_9499	sig	hyper
chr2	95025201	95025400	*	4.96E-172	8.25E-171	0.267542	chr2_9502	sig	hyper
chr2	95025401	95025600	*	1.21E-156	1.72E-155	0.269925	chr2_9502	sig	hyper
chr2	95026201	95026400	*	1.28E-92	9.23E-92	0.167494	chr2_9502	sig	hyper
chr2	95274601	95274800	*	6.32E-33	2.08E-32	-0.10506	chr2_9527	sig	hypo
chr2	95275801	95276000	*	6.50E-56	3.05E-55	-0.13385	chr2_9527	sig	hypo
chr2	95276001	95276200	*	4.69E-78	2.89E-77	-0.10048	chr2_9527	sig	hypo
chr2	95312401	95312600	*	4.61E-71	2.62E-70	-0.17133	chr2_9531	sig	hypo
chr2	95526401	95526600	*	1.41E-84	9.33E-84	0.101331	chr2_9552	sig	hyper
chr2	96116201	96116400	*	1.06E-69	5.93E-69	0.172717	chr2_9611	sig	hyper
chr2	96500601	96500800	*	2.31E-83	1.52E-82	0.103754	chr2_9650	sig	hyper
chr2	96527201	96527400	*	4.50E-60	2.22E-59	0.197559	chr2_9652	sig	hyper
chr2	96527401	96527600	*	1.49E-183	2.72E-182	0.258252	chr2_9652	sig	hyper
chr2	96527801	96528000	*	4.08E-195	8.40E-194	0.31046	chr2_9652	sig	hyper
chr2	96550001	96550200	*	3.09E-85	2.06E-84	-0.16911	chr2_9655	sig	hypo
chr2	96761601	96761800	*	9.10E-30	2.81E-29	-0.15533	chr2_9676	sig	hypo
chr2	97710001	97710200	*	1.62E-126	1.70E-125	-0.22959	chr2_9771	sig	hypo
chr2	98346401	98346600	*	1.36E-170	2.23E-169	0.240075	chr2_9834	sig	hyper
chr2	98346601	98346800	*	7.41E-37	2.61E-36	0.178899	chr2_9834	sig	hyper
chr2	98937201	98937400	*	8.31E-93	6.01E-92	0.244771	chr2_9893	sig	hyper
chr2	100106601	100106800	*	5.23E-74	3.07E-73	-0.24245	chr2_1001	sig	hypo
chr2	100321001	100321200	*	1.94E-69	1.08E-68	0.178012	chr2_1003	sig	hyper
chr2	100322401	100322600	*	8.18E-174	1.38E-172	0.2771	chr2_1003	sig	hyper
chr2	100391601	100391800	*	3.05E-215	7.55E-214	-0.30665	chr2_1003	sig	hypo
chr2	100417801	100418000	*	2.51E-65	1.33E-64	0.185391	chr2_1004	sig	hyper
chr2	100426401	100426600	*	1.53E-49	6.59E-49	-0.10557	chr2_1004	sig	hypo
chr2	104659201	104659400	*	7.84E-88	5.36E-87	0.192065	chr2_1046	sig	hyper
chr2	104842601	104842800	*	3.34E-128	3.56E-127	0.214202	chr2_1048	sig	hyper
chr2	104844801	104845000	*	2.37E-63	1.22E-62	0.158368	chr2_1048	sig	hyper
chr2	104845201	104845400	*	5.28E-80	3.33E-79	0.119444	chr2_1048	sig	hyper
chr2	104856601	104856800	*	2.05E-128	2.19E-127	0.198426	chr2_1048	sig	hyper
chr2	104857801	104858000	*	2.41E-58	1.17E-57	0.202442	chr2_1048	sig	hyper
chr2	104864201	104864400	*	1.63E-132	1.82E-131	0.187277	chr2_1048	sig	hyper

chr2	104868201	104868400	*	2.32E-60	1.15E-59	0.184214	chr2_1048	sig	hyper
chr2	105144401	105144600	*	1.38E-58	6.74E-58	0.11976	chr2_1051	sig	hyper
chr2	105399201	105399400	*	7.68E-55	3.56E-54	-0.11094	chr2_1053	sig	hypo
chr2	105399601	105399800	*	4.92E-169	7.94E-168	-0.1857	chr2_1053	sig	hypo
chr2	105399801	105400000	*	9.11E-30	2.81E-29	-0.11145	chr2_1053	sig	hypo
chr2	106342801	106343000	*	1.29E-126	1.35E-125	-0.14792	chr2_1063	sig	hypo
chr2	106343001	106343200	*	1.40E-58	6.81E-58	-0.15108	chr2_1063	sig	hypo
chr2	106343401	106343600	*	1.76E-37	6.29E-37	-0.11513	chr2_1063	sig	hypo
chr2	106488401	106488600	*	5.81E-19	1.37E-18	-0.14331	chr2_1064	sig	hypo
chr2	106584401	106584600	*	1.67E-38	6.05E-38	0.111814	chr2_1065	sig	hyper
chr2	109031401	109031600	*	2.01E-266	8.13E-265	0.256572	chr2_1090	sig	hyper
chr2	109129801	109130000	*	1.09E-67	5.97E-67	0.122957	chr2_1091	sig	hyper
chr2	110115001	110115200	*	2.70E-32	8.78E-32	-0.11499	chr2_1101	sig	hypo
chr2	113117601	113117800	*	2.53E-67	1.37E-66	-0.171	chr2_1131	sig	hypo
chr2	113275801	113276000	*	0	0	0.289959	chr2_1132	sig	hyper
chr2	113291201	113291400	*	7.59E-218	1.93E-216	0.237666	chr2_1132	sig	hyper
chr2	113291401	113291600	*	4.34E-54	1.99E-53	0.224819	chr2_1132	sig	hyper
chr2	115161001	115161200	*	2.19E-182	3.97E-181	0.23621	chr2_1151	sig	hyper
chr2	115162401	115162600	*	2.01E-239	6.41E-238	0.282841	chr2_1151	sig	hyper
chr2	115162601	115162800	*	1.04E-208	2.46E-207	0.309833	chr2_1151	sig	hyper
chr2	115162801	115163000	*	3.68E-128	3.93E-127	0.205701	chr2_1151	sig	hyper
chr2	115163001	115163200	*	0	0	0.280188	chr2_1151	sig	hyper
chr2	118185001	118185200	*	2.01E-21	5.07E-21	-0.128	chr2_1181	sig	hypo
chr2	118309801	118310000	*	1.97E-81	1.27E-80	0.214061	chr2_1183	sig	hyper
chr2	118310001	118310200	*	4.99E-132	5.54E-131	0.133241	chr2_1183	sig	hyper
chr2	118310401	118310600	*	8.78E-71	4.97E-70	0.159229	chr2_1183	sig	hyper
chr2	118808601	118808800	*	1.14E-83	7.52E-83	0.110916	chr2_1188	sig	hyper
chr2	118833401	118833600	*	2.18E-277	9.64E-276	0.224837	chr2_1188	sig	hyper
chr2	118834001	118834200	*	2.44E-201	5.37E-200	0.326937	chr2_1188	sig	hyper
chr2	118841801	118842000	*	0	0	0.222983	chr2_1188	sig	hyper
chr2	118842001	118842200	*	8.75E-190	1.72E-188	0.235107	chr2_1188	sig	hyper
chr2	118842801	118843000	*	9.47E-236	2.91E-234	0.216903	chr2_1188	sig	hyper
chr2	118843001	118843200	*	2.90E-177	5.03E-176	0.176269	chr2_1188	sig	hyper
chr2	118845201	118845400	*	2.47E-226	6.88E-225	0.213521	chr2_1188	sig	hyper
chr2	118845401	118845600	*	0	0	0.271765	chr2_1188	sig	hyper
chr2	118847601	118847800	*	6.84E-62	3.46E-61	0.104583	chr2_1188	sig	hyper
chr2	118847801	118848000	*	1.73E-111	1.54E-110	0.100571	chr2_1188	sig	hyper
chr2	118848401	118848600	*	3.40E-149	4.51E-148	0.12806	chr2_1188	sig	hyper
chr2	118849401	118849600	*	4.16E-223	1.12E-221	0.238498	chr2_1188	sig	hyper
chr2	118849801	118850000	*	2.08E-243	6.91E-242	0.194894	chr2_1188	sig	hyper
chr2	118851801	118852000	*	5.77E-61	2.88E-60	0.143414	chr2_1188	sig	hyper
chr2	118852001	118852200	*	1.29E-65	6.84E-65	0.147353	chr2_1188	sig	hyper
chr2	118853401	118853600	*	2.73E-47	1.14E-46	0.149101	chr2_1188	sig	hyper
chr2	118854601	118854800	*	4.93E-196	1.02E-194	0.207446	chr2_1188	sig	hyper
chr2	118856801	118857000	*	5.60E-168	8.89E-167	0.23419	chr2_1188	sig	hyper
chr2	118857401	118857600	*	9.11E-191	1.81E-189	0.259419	chr2_1188	sig	hyper
chr2	118857801	118858000	*	0	0	0.318338	chr2_1188	sig	hyper
chr2	118858401	118858600	*	1.67E-75	1.00E-74	0.228755	chr2_1188	sig	hyper
chr2	118859001	118859200	*	1.65E-87	1.13E-86	0.116407	chr2_1188	sig	hyper
chr2	119156801	119157000	*	6.80E-67	3.67E-66	0.180525	chr2_1191	sig	hyper
chr2	119157001	119157200	*	1.13E-51	4.99E-51	0.146115	chr2_1191	sig	hyper
chr2	119158201	119158400	*	1.13E-164	1.73E-163	0.338044	chr2_1191	sig	hyper
chr2	119159001	119159200	*	1.19E-125	1.23E-124	0.241756	chr2_1191	sig	hyper
chr2	119432401	119432600	*	1.02E-206	2.38E-205	-0.24819	chr2_1194	sig	hypo
chr2	119432601	119432800	*	4.58E-288	2.25E-286	-0.2442	chr2_1194	sig	hypo
chr2	119523801	119524000	*	8.99E-171	1.48E-169	0.223998	chr2_1195	sig	hyper

chr2	120349001	120349200	*	1.36E-35	4.70E-35	0.164873	chr2_1203	sig	hyper
chr2	120358801	120359000	*	4.81E-69	2.67E-68	-0.2018	chr2_1203	sig	hypo
chr2	120466201	120466400	*	6.21E-193	1.25E-191	-0.26009	chr2_1204	sig	hypo
chr2	121019001	121019200	*	3.87E-41	1.47E-40	-0.19086	chr2_1210	sig	hypo
chr2	124024601	124024800	*	1.69E-215	4.19E-214	0.258764	chr2_1240	sig	hyper
chr2	124025201	124025400	*	5.30E-217	1.34E-215	0.278434	chr2_1240	sig	hyper
chr2	124025601	124025800	*	3.09E-120	3.03E-119	0.321823	chr2_1240	sig	hyper
chr2	126656801	126657000	*	2.53E-41	9.64E-41	0.145846	chr2_1266	sig	hyper
chr2	127193001	127193200	*	1.44E-56	6.83E-56	-0.11335	chr2_1271	sig	hypo
chr2	127645601	127645800	*	1.86E-40	6.99E-40	-0.14543	chr2_1276	sig	hypo
chr2	127664601	127664800	*	1.88E-30	5.88E-30	-0.10079	chr2_1276	sig	hypo
chr2	127681401	127681600	*	5.36E-186	1.01E-184	-0.30501	chr2_1276	sig	hypo
chr2	127681601	127681800	*	1.45E-114	1.33E-113	-0.21689	chr2_1276	sig	hypo
chr2	127700601	127700800	*	5.43E-97	4.12E-96	-0.15414	chr2_1277	sig	hypo
chr2	127700801	127701000	*	6.48E-52	2.88E-51	-0.16107	chr2_1277	sig	hypo
chr2	128319601	128319800	*	2.10E-58	1.02E-57	-0.15416	chr2_1283	sig	hypo
chr2	129934201	129934400	*	1.03E-63	5.31E-63	0.128342	chr2_1299	sig	hyper
chr2	129979601	129979800	*	0	0	0.215764	chr2_1299	sig	hyper
chr2	130005801	130006000	*	2.36E-194	4.82E-193	0.221432	chr2_1300	sig	hyper
chr2	130006001	130006200	*	2.78E-240	8.96E-239	0.311995	chr2_1300	sig	hyper
chr2	130037001	130037200	*	8.44E-92	6.04E-91	0.173571	chr2_1300	sig	hyper
chr2	130075001	130075200	*	1.05E-31	3.38E-31	-0.12853	chr2_1300	sig	hypo
chr2	130139401	130139600	*	1.65E-188	3.21E-187	-0.28993	chr2_1301	sig	hypo
chr2	130213201	130213400	*	1.10E-22	2.86E-22	0.1188	chr2_1302	sig	hyper
chr2	130427601	130427800	*	7.99E-119	7.72E-118	0.130271	chr2_1304	sig	hyper
chr2	130427801	130428000	*	6.17E-255	2.29E-253	0.124388	chr2_1304	sig	hyper
chr2	130598601	130598800	*	3.34E-27	9.74E-27	0.103459	chr2_1305	sig	hyper
chr2	130964001	130964200	*	6.44E-207	1.50E-205	0.188313	chr2_1309	sig	hyper
chr2	130964601	130964800	*	9.07E-240	2.91E-238	0.24111	chr2_1309	sig	hyper
chr2	131040001	131040200	*	0	0	0.276475	chr2_1310	sig	hyper
chr2	131040401	131040600	*	4.48E-101	3.56E-100	0.224261	chr2_1310	sig	hyper
chr2	131209601	131209800	*	4.30E-30	1.34E-29	-0.10397	chr2_1312	sig	hypo
chr2	131646801	131647000	*	3.88E-59	1.90E-58	0.191619	chr2_1316	sig	hyper
chr2	131647001	131647200	*	6.70E-103	5.43E-102	0.273257	chr2_1316	sig	hyper
chr2	131647201	131647400	*	3.16E-37	1.12E-36	0.136141	chr2_1316	sig	hyper
chr2	131802601	131802800	*	1.25E-201	2.76E-200	0.198893	chr2_1318	sig	hyper
chr2	131830001	131830200	*	1.09E-239	3.49E-238	0.239382	chr2_1318	sig	hyper
chr2	132257001	132257200	*	4.92E-295	2.56E-293	0.353172	chr2_1322	sig	hyper
chr2	132668601	132668800	*	3.24E-25	9.04E-25	0.116155	chr2_1326	sig	hyper
chr2	134027801	134028000	*	9.11E-18	2.09E-17	0.109196	chr2_1340	sig	hyper
chr2	134717801	134718000	*	5.12E-98	3.93E-97	0.244744	chr2_1347	sig	hyper
chr2	136025401	136025600	*	1.42E-42	5.54E-42	-0.14718	chr2_1360	sig	hypo
chr2	136764601	136764800	*	7.38E-194	1.50E-192	0.176372	chr2_1367	sig	hyper
chr2	136766001	136766200	*	1.81E-240	5.84E-239	0.297215	chr2_1367	sig	hyper
chr2	138780001	138780200	*	0	0	0.266066	chr2_1387	sig	hyper
chr2	142130001	142130200	*	1.87E-77	1.14E-76	0.181836	chr2_1421	sig	hyper
chr2	142130201	142130400	*	4.19E-96	3.15E-95	0.12958	chr2_1421	sig	hyper
chr2	142130401	142130600	*	1.42E-34	4.84E-34	0.126859	chr2_1421	sig	hyper
chr2	144510801	144511000	*	3.97E-42	1.53E-41	0.162473	chr2_1445	sig	hyper
chr2	144517201	144517400	*	1.00E-266	4.08E-265	0.191769	chr2_1445	sig	hyper
chr2	144517601	144517800	*	4.96E-121	4.90E-120	0.1356	chr2_1445	sig	hyper
chr2	144520001	144520200	*	9.63E-104	7.87E-103	0.129073	chr2_1445	sig	hyper
chr2	144523801	144524000	*	8.80E-75	5.23E-74	0.114709	chr2_1445	sig	hyper
chr2	144524601	144524800	*	4.37E-102	3.52E-101	0.207228	chr2_1445	sig	hyper
chr2	148876001	148876200	*	5.43E-124	5.56E-123	0.28991	chr2_1488	sig	hyper
chr2	148882201	148882400	*	3.13E-47	1.31E-46	-0.19313	chr2_1488	sig	hypo

chr2	148888001	148888200	*	1.88E-50	8.21E-50	0.153295	chr2_1488	sig	hyper
chr2	148888201	148888400	*	3.69E-85	2.46E-84	0.136412	chr2_1488	sig	hyper
chr2	153478001	153478200	*	2.17E-87	1.48E-86	0.194552	chr2_1534	sig	hyper
chr2	153871401	153871600	*	3.26E-205	7.50E-204	0.278458	chr2_1538	sig	hyper
chr2	153872001	153872200	*	2.24E-62	1.14E-61	0.108114	chr2_1538	sig	hyper
chr2	153872201	153872400	*	6.78E-36	2.36E-35	0.120319	chr2_1538	sig	hyper
chr2	154698801	154699000	*	1.64E-169	2.66E-168	0.134624	chr2_1546	sig	hyper
chr2	156320401	156320600	*	3.97E-39	1.46E-38	0.116921	chr2_1563	sig	hyper
chr2	156320801	156321000	*	2.45E-51	1.08E-50	0.202852	chr2_1563	sig	hyper
chr2	156322801	156323000	*	3.57E-77	2.18E-76	0.114317	chr2_1563	sig	hyper
chr2	157597401	157597600	*	4.60E-91	3.26E-90	0.252162	chr2_1575	sig	hyper
chr2	160271001	160271200	*	2.51E-63	1.29E-62	-0.16236	chr2_1602	sig	hypo
chr2	160396801	160397000	*	6.83E-28	2.02E-27	-0.18138	chr2_1603	sig	hypo
chr2	161416601	161416800	*	5.94E-45	2.39E-44	0.142126	chr2_1614	sig	hyper
chr2	161416801	161417000	*	7.50E-89	5.20E-88	0.150208	chr2_1614	sig	hyper
chr2	161426601	161426800	*	2.19E-45	8.87E-45	0.156375	chr2_1614	sig	hyper
chr2	161426801	161427000	*	6.12E-81	3.90E-80	0.140443	chr2_1614	sig	hyper
chr2	161427201	161427400	*	9.39E-59	4.58E-58	0.119709	chr2_1614	sig	hyper
chr2	161427401	161427600	*	2.71E-108	2.32E-107	0.1644	chr2_1614	sig	hyper
chr2	163348201	163348400	*	3.67E-40	1.37E-39	0.119603	chr2_1633	sig	hyper
chr2	163348401	163348600	*	4.59E-146	5.89E-145	0.132744	chr2_1633	sig	hyper
chr2	164955401	164955600	*	1.16E-18	2.73E-18	0.110079	chr2_1649	sig	hyper
chr2	170815001	170815200	*	7.98E-66	4.25E-65	0.127839	chr2_1708	sig	hyper
chr2	170815201	170815400	*	1.09E-125	1.13E-124	0.19982	chr2_1708	sig	hyper
chr2	170820201	170820400	*	3.07E-50	1.34E-49	0.131834	chr2_1708	sig	hyper
chr2	170821601	170821800	*	6.21E-37	2.19E-36	0.179967	chr2_1708	sig	hyper
chr2	172080201	172080400	*	3.13E-24	8.52E-24	0.122676	chr2_1720	sig	hyper
chr2	172080401	172080600	*	1.81E-187	3.46E-186	0.214769	chr2_1720	sig	hyper
chr2	172093601	172093800	*	1.61E-54	7.45E-54	0.171887	chr2_1720	sig	hyper
chr2	172108001	172108200	*	6.10E-34	2.05E-33	0.132188	chr2_1721	sig	hyper
chr2	172108401	172108600	*	3.05E-102	2.46E-101	0.189878	chr2_1721	sig	hyper
chr2	172674801	172675000	*	3.49E-66	1.87E-65	0.128818	chr2_1726	sig	hyper
chr2	174025601	174025800	*	4.44E-76	2.68E-75	0.165917	chr2_1740	sig	hyper
chr2	174328601	174328800	*	3.26E-102	2.63E-101	0.110317	chr2_1743	sig	hyper
chr2	174329001	174329200	*	8.34E-59	4.07E-58	0.16378	chr2_1743	sig	hyper
chr2	174337801	174338000	*	1.51E-24	4.16E-24	0.124215	chr2_1743	sig	hyper
chr2	174730001	174730200	*	3.67E-258	1.39E-256	0.280016	chr2_1747	sig	hyper
chr2	174730401	174730600	*	4.96E-122	4.96E-121	0.257821	chr2_1747	sig	hyper
chr2	176082401	176082600	*	8.36E-133	9.36E-132	0.123933	chr2_1760	sig	hyper
chr2	176083201	176083400	*	1.87E-227	5.29E-226	0.249634	chr2_1760	sig	hyper
chr2	176084001	176084200	*	2.50E-121	2.48E-120	0.194641	chr2_1760	sig	hyper
chr2	176084201	176084400	*	6.01E-78	3.70E-77	0.150297	chr2_1760	sig	hyper
chr2	176099401	176099600	*	1.01E-42	3.94E-42	0.128116	chr2_1760	sig	hyper
chr2	176100601	176100800	*	1.43E-240	4.63E-239	0.218324	chr2_1761	sig	hyper
chr2	176108801	176109000	*	4.75E-23	1.25E-22	0.116008	chr2_1761	sig	hyper
chr2	176109201	176109400	*	5.42E-163	8.18E-162	0.193813	chr2_1761	sig	hyper
chr2	176112601	176112800	*	3.38E-65	1.79E-64	0.18064	chr2_1761	sig	hyper
chr2	176119001	176119200	*	3.51E-28	1.04E-27	-0.10365	chr2_1761	sig	hypo
chr2	176124601	176124800	*	4.55E-34	1.53E-33	-0.12635	chr2_1761	sig	hypo
chr2	176124801	176125000	*	7.46E-185	1.38E-183	-0.22863	chr2_1761	sig	hypo
chr2	176151601	176151800	*	4.13E-120	4.04E-119	0.12844	chr2_1761	sig	hyper
chr2	176159401	176159600	*	5.16E-150	6.90E-149	-0.2065	chr2_1761	sig	hypo
chr2	176163001	176163200	*	4.35E-56	2.05E-55	-0.12012	chr2_1761	sig	hypo
chr2	176163201	176163400	*	1.27E-58	6.17E-58	-0.10779	chr2_1761	sig	hypo
chr2	176164801	176165000	*	1.06E-169	1.72E-168	0.190783	chr2_1761	sig	hyper
chr2	176165001	176165200	*	1.69E-71	9.66E-71	0.122939	chr2_1761	sig	hyper

chr2	176171601	176171800	*	8.65E-43	3.38E-42	0.146261	chr2_1761	sig	hyper
chr2	176189401	176189600	*	4.24E-63	2.18E-62	0.185246	chr2_1761	sig	hyper
chr2	181456601	181456800	*	5.56E-47	2.31E-46	0.179868	chr2_1814	sig	hyper
chr2	181457001	181457200	*	0	0	0.242454	chr2_1814	sig	hyper
chr2	181678001	181678200	*	3.87E-43	1.52E-42	0.159341	chr2_1816	sig	hyper
chr2	181678401	181678600	*	4.46E-157	6.37E-156	0.191655	chr2_1816	sig	hyper
chr2	181679601	181679800	*	7.14E-138	8.42E-137	0.178569	chr2_1816	sig	hyper
chr2	181681001	181681200	*	1.28E-40	4.81E-40	0.1671	chr2_1816	sig	hyper
chr2	181681201	181681400	*	1.37E-45	5.57E-45	0.147016	chr2_1816	sig	hyper
chr2	181682601	181682800	*	3.32E-134	3.79E-133	0.338478	chr2_1816	sig	hyper
chr2	181682801	181683000	*	5.82E-65	3.07E-64	0.295745	chr2_1816	sig	hyper
chr2	181683801	181684000	*	4.37E-138	5.17E-137	0.289811	chr2_1816	sig	hyper
chr2	181684001	181684200	*	1.79E-195	3.70E-194	0.317882	chr2_1816	sig	hyper
chr2	181684401	181684600	*	3.99E-224	1.09E-222	0.379821	chr2_1816	sig	hyper
chr2	181684601	181684800	*	3.73E-106	3.13E-105	0.193289	chr2_1816	sig	hyper
chr2	181684801	181685000	*	1.59E-168	2.54E-167	0.290611	chr2_1816	sig	hyper
chr2	181685201	181685400	*	3.07E-68	1.69E-67	0.126522	chr2_1816	sig	hyper
chr2	182867001	182867200	*	3.05E-102	2.46E-101	0.149796	chr2_1828	sig	hyper
chr2	184597601	184597800	*	0	0	0.280361	chr2_1845	sig	hyper
chr2	184598001	184598200	*	8.00E-145	1.01E-143	0.213901	chr2_1845	sig	hyper
chr2	186849001	186849200	*	0	0	0.257421	chr2_1868	sig	hyper
chr2	186849201	186849400	*	0	0	0.215295	chr2_1868	sig	hyper
chr2	191679001	191679200	*	1.99E-75	1.19E-74	0.145581	chr2_1916	sig	hyper
chr2	192193401	192193600	*	2.54E-58	1.23E-57	0.167548	chr2_1921	sig	hyper
chr2	192194801	192195000	*	1.18E-99	9.24E-99	0.236822	chr2_1921	sig	hyper
chr2	192196001	192196200	*	1.15E-169	1.87E-168	0.166919	chr2_1921	sig	hyper
chr2	200585801	200586000	*	1.56E-284	7.39E-283	0.129386	chr2_2005	sig	hyper
chr2	200586201	200586400	*	7.83E-74	4.58E-73	0.211717	chr2_2005	sig	hyper
chr2	201619001	201619200	*	3.68E-109	3.19E-108	0.193475	chr2_2016	sig	hyper
chr2	201619201	201619400	*	4.08E-80	2.58E-79	0.194076	chr2_2016	sig	hyper
chr2	202035601	202035800	*	4.43E-132	4.92E-131	0.203909	chr2_2020	sig	hyper
chr2	202036601	202036800	*	5.68E-38	2.04E-37	0.110802	chr2_2020	sig	hyper
chr2	202123401	202123600	*	1.72E-103	1.40E-102	-0.2961	chr2_2021	sig	hypo
chr2	202171401	202171600	*	1.60E-93	1.16E-92	0.115919	chr2_2021	sig	hyper
chr2	205686401	205686600	*	1.83E-160	2.68E-159	0.257809	chr2_2056	sig	hyper
chr2	205686601	205686800	*	2.77E-121	2.74E-120	0.282884	chr2_2056	sig	hyper
chr2	206274401	206274600	*	1.08E-141	1.32E-140	0.207592	chr2_2062	sig	hyper
chr2	206444001	206444200	*	3.54E-99	2.75E-98	0.208491	chr2_2064	sig	hyper
chr2	206444201	206444400	*	8.75E-33	2.88E-32	0.190772	chr2_2064	sig	hyper
chr2	206642201	206642400	*	3.32E-186	6.26E-185	0.267031	chr2_2066	sig	hyper
chr2	206642401	206642600	*	8.48E-242	2.78E-240	0.292213	chr2_2066	sig	hyper
chr2	207770801	207771000	*	3.52E-26	1.00E-25	0.109335	chr2_2077	sig	hyper
chr2	207771001	207771200	*	5.73E-49	2.45E-48	0.12699	chr2_2077	sig	hyper
chr2	207771201	207771400	*	1.47E-78	9.13E-78	0.112196	chr2_2077	sig	hyper
chr2	208112201	208112400	*	2.59E-27	7.58E-27	0.135694	chr2_2081	sig	hyper
chr2	208124001	208124200	*	5.02E-93	3.64E-92	0.152482	chr2_2081	sig	hyper
chr2	208407001	208407200	*	2.61E-167	4.12E-166	0.195311	chr2_2084	sig	hyper
chr2	208407201	208407400	*	2.66E-99	2.07E-98	0.125295	chr2_2084	sig	hyper
chr2	212536401	212536600	*	2.91E-144	3.66E-143	0.195495	chr2_2125	sig	hyper
chr2	212536601	212536800	*	1.73E-203	3.87E-202	0.259706	chr2_2125	sig	hyper
chr2	212536801	212537000	*	2.29E-130	2.50E-129	0.317222	chr2_2125	sig	hyper
chr2	212537001	212537200	*	7.77E-78	4.78E-77	0.254263	chr2_2125	sig	hyper
chr2	212537401	212537600	*	1.10E-145	1.41E-144	0.161581	chr2_2125	sig	hyper
chr2	216694601	216694800	*	2.78E-67	1.51E-66	0.156448	chr2_2166	sig	hyper
chr2	218354801	218355000	*	3.78E-15	7.95E-15	-0.14349	chr2_2183	sig	hypo
chr2	218389801	218390000	*	1.31E-32	4.30E-32	-0.15305	chr2_2183	sig	hypo

chr2	218391201	218391400	*	1.83E-122	1.84E-121	-0.14129	chr2_2183	sig	hypo
chr2	218858801	218859000	*	1.12E-31	3.58E-31	0.104408	chr2_2188	sig	hyper
chr2	218859001	218859200	*	1.08E-64	5.68E-64	0.17019	chr2_2188	sig	hyper
chr2	218953601	218953800	*	7.54E-23	1.98E-22	-0.14006	chr2_2189	sig	hypo
chr2	218962001	218962200	*	1.29E-152	1.76E-151	0.204183	chr2_2189	sig	hyper
chr2	219040801	219041000	*	4.54E-19	1.08E-18	-0.11046	chr2_2190	sig	hypo
chr2	219057601	219057800	*	3.27E-133	3.68E-132	0.110828	chr2_2190	sig	hyper
chr2	219250401	219250600	*	1.88E-131	2.07E-130	-0.20937	chr2_2192	sig	hypo
chr2	219331601	219331800	*	1.59E-31	5.10E-31	0.159614	chr2_2193	sig	hyper
chr2	219331801	219332000	*	5.83E-34	1.96E-33	0.153731	chr2_2193	sig	hyper
chr2	219332801	219333000	*	2.16E-102	1.75E-101	0.243995	chr2_2193	sig	hyper
chr2	219358401	219358600	*	3.76E-18	8.70E-18	0.120745	chr2_2193	sig	hyper
chr2	219444601	219444800	*	2.45E-72	1.41E-71	-0.20522	chr2_2194	sig	hypo
chr2	219445001	219445200	*	2.37E-48	1.00E-47	-0.13951	chr2_2194	sig	hypo
chr2	219448601	219448800	*	2.81E-43	1.10E-42	0.132555	chr2_2194	sig	hyper
chr2	219496801	219497000	*	1.29E-142	1.59E-141	0.122878	chr2_2194	sig	hyper
chr2	219553001	219553200	*	7.01E-88	4.80E-87	0.1149	chr2_2195	sig	hyper
chr2	219852001	219852200	*	7.84E-32	2.53E-31	0.157684	chr2_2198	sig	hyper
chr2	221570401	221570600	*	6.62E-30	2.05E-29	0.106231	chr2_2215	sig	hyper
chr2	222289401	222289600	*	2.07E-88	1.43E-87	0.164684	chr2_2222	sig	hyper
chr2	222295001	222295200	*	9.60E-55	4.44E-54	0.219673	chr2_2222	sig	hyper
chr2	222295401	222295600	*	6.83E-158	9.84E-157	0.137223	chr2_2222	sig	hyper
chr2	222297001	222297200	*	2.80E-271	1.17E-269	0.17046	chr2_2222	sig	hyper
chr2	222297201	222297400	*	1.38E-171	2.29E-170	0.270679	chr2_2222	sig	hyper
chr2	222297801	222298000	*	5.09E-52	2.27E-51	0.188336	chr2_2222	sig	hyper
chr2	222298001	222298200	*	1.77E-51	7.82E-51	0.111681	chr2_2222	sig	hyper
chr2	222298201	222298400	*	8.26E-118	7.89E-117	0.161215	chr2_2222	sig	hyper
chr2	222298401	222298600	*	1.35E-52	6.07E-52	0.110156	chr2_2222	sig	hyper
chr2	222301201	222301400	*	8.07E-44	3.20E-43	0.106645	chr2_2223	sig	hyper
chr2	222302201	222302400	*	1.47E-103	1.20E-102	0.114043	chr2_2223	sig	hyper
chr2	222302601	222302800	*	1.79E-143	2.24E-142	0.12167	chr2_2223	sig	hyper
chr2	222303601	222303800	*	1.06E-59	5.22E-59	0.198402	chr2_2223	sig	hyper
chr2	222303801	222304000	*	1.51E-40	5.66E-40	0.104059	chr2_2223	sig	hyper
chr2	222304001	222304200	*	7.05E-135	8.11E-134	0.114901	chr2_2223	sig	hyper
chr2	222304201	222304400	*	2.81E-86	1.90E-85	0.142498	chr2_2223	sig	hyper
chr2	222304601	222304800	*	4.12E-147	5.35E-146	0.295767	chr2_2223	sig	hyper
chr2	222304801	222305000	*	5.79E-97	4.39E-96	0.240471	chr2_2223	sig	hyper
chr2	222312201	222312400	*	4.02E-126	4.19E-125	0.14841	chr2_2223	sig	hyper
chr2	222312601	222312800	*	1.06E-145	1.36E-144	0.151111	chr2_2223	sig	hyper
chr2	224442201	224442400	*	2.52E-15	5.32E-15	0.105448	chr2_2244	sig	hyper
chr2	227871401	227871600	*	7.49E-67	4.04E-66	0.122948	chr2_2278	sig	hyper
chr2	227871601	227871800	*	2.36E-82	1.53E-81	0.108641	chr2_2278	sig	hyper
chr2	228181601	228181800	*	2.94E-283	1.37E-281	0.274207	chr2_2281	sig	hyper
chr2	228181801	228182000	*	1.40E-143	1.74E-142	0.246531	chr2_2281	sig	hyper
chr2	228182001	228182200	*	3.97E-52	1.77E-51	0.194037	chr2_2281	sig	hyper
chr2	230873001	230873200	*	8.23E-40	3.06E-39	0.160784	chr2_2308	sig	hyper
chr2	231394601	231394800	*	5.34E-60	2.64E-59	0.173516	chr2_2313	sig	hyper
chr2	231394801	231395000	*	7.90E-46	3.22E-45	0.14766	chr2_2313	sig	hyper
chr2	231398201	231398400	*	0	0	0.311739	chr2_2313	sig	hyper
chr2	231398401	231398600	*	4.91E-200	1.06E-198	0.292823	chr2_2313	sig	hyper
chr2	231398601	231398800	*	0	0	0.352271	chr2_2313	sig	hyper
chr2	231398801	231399000	*	0	0	0.354199	chr2_2313	sig	hyper
chr2	231401001	231401200	*	4.06E-103	3.30E-102	0.294666	chr2_2314	sig	hyper
chr2	231401201	231401400	*	0	0	0.318233	chr2_2314	sig	hyper
chr2	231514801	231515000	*	9.36E-37	3.29E-36	0.123772	chr2_2315	sig	hyper
chr2	231528201	231528400	*	9.33E-47	3.86E-46	-0.17707	chr2_2315	sig	hypo

chr2	231528401	231528600	*	3.12E-76	1.88E-75	-0.16231	chr2_2315	sig	hypo
chr2	231661801	231662000	*	1.16E-29	3.58E-29	-0.14408	chr2_2316	sig	hypo
chr2	231662601	231662800	*	6.68E-110	5.83E-109	-0.1339	chr2_2316	sig	hypo
chr2	231680601	231680800	*	3.55E-81	2.27E-80	-0.17286	chr2_2316	sig	hypo
chr2	231707401	231707600	*	6.70E-58	3.23E-57	-0.13717	chr2_2317	sig	hypo
chr2	231707601	231707800	*	2.68E-236	8.28E-235	-0.17583	chr2_2317	sig	hypo
chr2	231924601	231924800	*	7.52E-56	3.53E-55	-0.18229	chr2_2319	sig	hypo
chr2	231927001	231927200	*	1.23E-266	4.98E-265	0.167349	chr2_2319	sig	hyper
chr2	231927201	231927400	*	8.80E-108	7.50E-107	0.122492	chr2_2319	sig	hyper
chr2	232379601	232379800	*	2.08E-55	9.69E-55	-0.11887	chr2_2323	sig	hypo
chr2	232379801	232380000	*	1.13E-96	8.57E-96	-0.17144	chr2_2323	sig	hypo
chr2	232381601	232381800	*	3.61E-74	2.12E-73	0.132301	chr2_2323	sig	hyper
chr2	232387801	232388000	*	2.11E-58	1.02E-57	0.214949	chr2_2323	sig	hyper
chr2	232388001	232388200	*	3.39E-92	2.43E-91	0.257242	chr2_2323	sig	hyper
chr2	232419601	232419800	*	1.92E-152	2.63E-151	0.281495	chr2_2324	sig	hyper
chr2	232419801	232420000	*	3.24E-81	2.08E-80	0.210911	chr2_2324	sig	hyper
chr2	232455801	232456000	*	1.00E-31	3.22E-31	-0.13455	chr2_2324	sig	hypo
chr2	232458201	232458400	*	1.38E-78	8.58E-78	-0.12042	chr2_2324	sig	hypo
chr2	232486201	232486400	*	0	0	0.219167	chr2_2324	sig	hyper
chr2	232487001	232487200	*	1.13E-34	3.85E-34	0.103918	chr2_2324	sig	hyper
chr2	233060001	233060200	*	2.16E-259	8.26E-258	-0.27892	chr2_2330	sig	hypo
chr2	233060401	233060600	*	0	0	-0.32362	chr2_2330	sig	hypo
chr2	233461201	233461400	*	9.08E-25	2.51E-24	-0.12383	chr2_2334	sig	hypo
chr2	233939001	233939200	*	0	0	0.354999	chr2_2339	sig	hyper
chr2	235053801	235054000	*	7.87E-86	5.28E-85	-0.26293	chr2_2350	sig	hypo
chr2	235493201	235493400	*	2.15E-32	7.03E-32	0.129436	chr2_2354	sig	hyper
chr2	235508801	235509000	*	3.98E-42	1.54E-41	-0.12204	chr2_2355	sig	hypo
chr2	235535601	235535800	*	1.76E-13	3.50E-13	-0.10725	chr2_2355	sig	hypo
chr2	235765601	235765800	*	6.43E-46	2.63E-45	-0.13056	chr2_2357	sig	hypo
chr2	235934401	235934600	*	5.73E-42	2.21E-41	0.112572	chr2_2359	sig	hyper
chr2	236169401	236169600	*	4.01E-106	3.37E-105	0.11062	chr2_2361	sig	hyper
chr2	236236401	236236600	*	5.27E-20	1.28E-19	0.141578	chr2_2362	sig	hyper
chr2	236236601	236236800	*	1.35E-71	7.70E-71	0.167294	chr2_2362	sig	hyper
chr2	236507601	236507800	*	5.51E-141	6.70E-140	0.262325	chr2_2365	sig	hyper
chr2	236568001	236568200	*	1.57E-280	7.10E-279	0.210488	chr2_2365	sig	hyper
chr2	236568201	236568400	*	0.00E+00	0.00E+00	0.218392	chr2_2365	sig	hyper
chr2	236568401	236568600	*	1.48E-52	6.63E-52	0.1363	chr2_2365	sig	hyper
chr2	236579001	236579200	*	9.32E-20	2.25E-19	-0.10367	chr2_2365	sig	hypo
chr2	236581201	236581400	*	1.90E-29	5.83E-29	-0.11545	chr2_2365	sig	hypo
chr2	237365801	237366000	*	2.92E-64	1.52E-63	-0.14988	chr2_2373	sig	hypo
chr2	237923401	237923600	*	3.31E-21	8.28E-21	-0.11734	chr2_2379	sig	hypo
chr2	237923601	237923800	*	4.87E-39	1.79E-38	-0.13473	chr2_2379	sig	hypo
chr2	238128801	238129000	*	1.98E-106	1.66E-105	-0.15358	chr2_2381	sig	hypo
chr2	238139801	238140000	*	7.66E-132	8.48E-131	-0.22116	chr2_2381	sig	hypo
chr2	238231201	238231400	*	3.61E-31	1.15E-30	0.103355	chr2_2382	sig	hyper
chr2	238231401	238231600	*	1.07E-82	6.97E-82	0.178391	chr2_2382	sig	hyper
chr2	238231601	238231800	*	1.88E-64	9.81E-64	0.101973	chr2_2382	sig	hyper
chr2	238425601	238425800	*	1.14E-28	3.44E-28	-0.1023	chr2_2384	sig	hypo
chr2	238425801	238426000	*	9.57E-49	4.08E-48	-0.11149	chr2_2384	sig	hypo
chr2	238439601	238439800	*	2.49E-20	6.12E-20	-0.1015	chr2_2384	sig	hypo
chr2	238494201	238494400	*	3.97E-24	1.08E-23	-0.10088	chr2_2384	sig	hypo
chr2	238967601	238967800	*	7.91E-86	5.30E-85	-0.10714	chr2_2389	sig	hypo
chr2	239027601	239027800	*	3.02E-37	1.07E-36	-0.13392	chr2_2390	sig	hypo
chr2	239247001	239247200	*	2.46E-230	7.21E-229	-0.30041	chr2_2392	sig	hypo
chr2	239247201	239247400	*	1.29E-91	9.23E-91	-0.21902	chr2_2392	sig	hypo
chr2	239247401	239247600	*	4.35E-113	3.93E-112	-0.18859	chr2_2392	sig	hypo

chr2	239274401	239274600	*	3.47E-67	1.88E-66	-0.15858	chr2_2392	sig	hypo
chr2	239275401	239275600	*	4.30E-288	2.12E-286	-0.29867	chr2_2392	sig	hypo
chr2	239309001	239309200	*	5.62E-118	5.38E-117	0.122806	chr2_2393	sig	hyper
chr2	239349201	239349400	*	5.08E-35	1.73E-34	-0.11145	chr2_2393	sig	hypo
chr2	239381001	239381200	*	3.78E-50	1.64E-49	0.100624	chr2_2393	sig	hyper
chr2	239483001	239483200	*	9.47E-45	3.80E-44	-0.10908	chr2_2394	sig	hypo
chr2	239498801	239499000	*	2.99E-39	1.10E-38	-0.15117	chr2_2394	sig	hypo
chr2	239609801	239610000	*	1.79E-42	6.93E-42	-0.10931	chr2_2396	sig	hypo
chr2	239776401	239776600	*	5.29E-22	1.36E-21	-0.1183	chr2_2397	sig	hypo
chr2	240140801	240141000	*	2.28E-29	6.95E-29	-0.10328	chr2_2401	sig	hypo
chr2	240144401	240144600	*	2.12E-60	1.05E-59	-0.16086	chr2_2401	sig	hypo
chr2	240145601	240145800	*	1.13E-50	4.93E-50	-0.19064	chr2_2401	sig	hypo
chr2	240290801	240291000	*	2.02E-64	1.06E-63	-0.14292	chr2_2402	sig	hypo
chr2	240323801	240324000	*	6.08E-25	1.69E-24	-0.11247	chr2_2403	sig	hypo
chr2	240324601	240324800	*	1.69E-100	1.34E-99	-0.16861	chr2_2403	sig	hypo
chr2	240324801	240325000	*	1.08E-46	4.49E-46	-0.12695	chr2_2403	sig	hypo
chr2	240405201	240405400	*	2.98E-60	1.48E-59	-0.14124	chr2_2404	sig	hypo
chr2	240432801	240433000	*	9.80E-33	3.22E-32	-0.11662	chr2_2404	sig	hypo
chr2	240646401	240646600	*	1.23E-48	5.25E-48	-0.10811	chr2_2406	sig	hypo
chr2	240647401	240647600	*	1.36E-45	5.54E-45	-0.129	chr2_2406	sig	hypo
chr2	240672401	240672600	*	2.04E-132	2.28E-131	0.171164	chr2_2406	sig	hyper
chr2	240672601	240672800	*	1.13E-182	2.05E-181	0.222302	chr2_2406	sig	hyper
chr2	240701801	240702000	*	2.17E-70	1.22E-69	-0.15555	chr2_2407	sig	hypo
chr2	240728001	240728200	*	4.25E-86	2.86E-85	-0.14453	chr2_2407	sig	hypo
chr2	240782601	240782800	*	9.22E-30	2.84E-29	-0.10028	chr2_2407	sig	hypo
chr2	240784001	240784200	*	4.72E-62	2.39E-61	-0.11672	chr2_2407	sig	hypo
chr2	240818801	240819000	*	9.72E-41	3.67E-40	0.135116	chr2_2408	sig	hyper
chr2	240819001	240819200	*	5.80E-42	2.23E-41	0.11449	chr2_2408	sig	hyper
chr2	240831601	240831800	*	8.71E-43	3.40E-42	0.126853	chr2_2408	sig	hyper
chr2	240831801	240832000	*	1.81E-31	5.77E-31	0.135244	chr2_2408	sig	hyper
chr2	240890201	240890400	*	2.40E-65	1.27E-64	-0.18188	chr2_2408	sig	hypo
chr2	240918601	240918800	*	5.01E-41	1.90E-40	-0.11744	chr2_2409	sig	hypo
chr2	240918801	240919000	*	3.72E-53	1.68E-52	-0.14047	chr2_2409	sig	hypo
chr2	240921401	240921600	*	1.78E-31	5.69E-31	-0.11089	chr2_2409	sig	hypo
chr2	240982601	240982800	*	3.39E-22	8.73E-22	-0.11752	chr2_2409	sig	hypo
chr2	241037201	241037400	*	1.71E-25	4.78E-25	0.138869	chr2_2410	sig	hyper
chr2	241187201	241187400	*	9.19E-63	4.70E-62	-0.23972	chr2_2411	sig	hypo
chr2	241189201	241189400	*	2.66E-202	5.92E-201	-0.43836	chr2_2411	sig	hypo
chr2	241199001	241199200	*	6.21E-43	2.43E-42	-0.10217	chr2_2411	sig	hypo
chr2	241200001	241200200	*	5.81E-18	1.34E-17	-0.10915	chr2_2412	sig	hypo
chr2	241545201	241545400	*	1.44E-14	2.97E-14	-0.11981	chr2_2415	sig	hypo
chr2	241552401	241552600	*	8.36E-64	4.33E-63	-0.18641	chr2_2415	sig	hypo
chr2	241552801	241553000	*	2.39E-26	6.82E-26	-0.12293	chr2_2415	sig	hypo
chr2	241645801	241646000	*	7.61E-114	6.95E-113	0.237687	chr2_2416	sig	hyper
chr2	241671001	241671200	*	4.12E-44	1.64E-43	-0.13358	chr2_2416	sig	hypo
chr2	241777001	241777200	*	2.17E-15	4.59E-15	-0.10338	chr2_2417	sig	hypo
chr2	241803401	241803600	*	3.71E-34	1.25E-33	0.109572	chr2_2418	sig	hyper
chr2	241803801	241804000	*	2.64E-43	1.04E-42	0.150827	chr2_2418	sig	hyper
chr2	241804001	241804200	*	1.63E-80	1.03E-79	0.116294	chr2_2418	sig	hyper
chr2	241804201	241804400	*	3.79E-38	1.37E-37	0.131112	chr2_2418	sig	hyper
chr2	241809201	241809400	*	6.76E-18	1.55E-17	-0.10841	chr2_2418	sig	hypo
chr2	241834201	241834400	*	9.18E-55	4.25E-54	-0.1773	chr2_2418	sig	hypo
chr2	241843001	241843200	*	6.19E-108	5.29E-107	-0.13326	chr2_2418	sig	hypo
chr2	241843201	241843400	*	4.93E-83	3.22E-82	-0.21372	chr2_2418	sig	hypo
chr2	241852601	241852800	*	0	0	-0.37592	chr2_2418	sig	hypo
chr2	241852801	241853000	*	1.85E-255	6.89E-254	-0.27318	chr2_2418	sig	hypo

chr2	241855601	241855800	*	7.14E-85	4.75E-84	-0.14117	chr2_2418	sig	hypo
chr2	241857201	241857400	*	2.08E-92	1.50E-91	-0.14094	chr2_2418	sig	hypo
chr2	241863601	241863800	*	2.39E-204	5.45E-203	0.209595	chr2_2418	sig	hyper
chr2	241891401	241891600	*	2.82E-146	3.63E-145	-0.25997	chr2_2418	sig	hypo
chr2	241900401	241900600	*	2.12E-67	1.15E-66	-0.10079	chr2_2419	sig	hypo
chr2	241900801	241901000	*	4.77E-68	2.62E-67	-0.17897	chr2_2419	sig	hypo
chr2	241985601	241985800	*	4.28E-175	7.31E-174	-0.31585	chr2_2419	sig	hypo
chr2	241985801	241986000	*	7.15E-230	2.08E-228	-0.36416	chr2_2419	sig	hypo
chr2	242011201	242011400	*	1.47E-23	3.93E-23	-0.11638	chr2_2420	sig	hypo
chr2	242035201	242035400	*	5.79E-54	2.65E-53	-0.11568	chr2_2420	sig	hypo
chr2	242057001	242057200	*	1.88E-23	5.01E-23	-0.12674	chr2_2420	sig	hypo
chr3	196401	196600	*	2.71E-44	1.08E-43	0.204097	chr3_1964	sig	hyper
chr3	198401	198600	*	1.10E-215	2.75E-214	0.326704	chr3_1984	sig	hyper
chr3	309001	309200	*	1.35E-72	7.80E-72	0.122555	chr3_3090	sig	hyper
chr3	535801	536000	*	3.19E-64	1.66E-63	0.132175	chr3_5358	sig	hyper
chr3	2099201	2099400	*	4.48E-42	1.73E-41	0.110354	chr3_2099	sig	hyper
chr3	2099601	2099800	*	1.58E-72	9.09E-72	0.115246	chr3_2099	sig	hyper
chr3	5023401	5023600	*	1.22E-129	1.32E-128	-0.33164	chr3_5023	sig	hypo
chr3	5095801	5096000	*	2.19E-213	5.35E-212	0.265431	chr3_5095	sig	hyper
chr3	6861401	6861600	*	8.29E-242	2.72E-240	0.316767	chr3_6861	sig	hyper
chr3	6862401	6862600	*	0	0	0.360735	chr3_6862	sig	hyper
chr3	6862801	6863000	*	5.75E-131	6.30E-130	0.311527	chr3_6862	sig	hyper
chr3	8983801	8984000	*	9.50E-28	2.80E-27	-0.15057	chr3_8983	sig	hypo
chr3	9509001	9509200	*	2.38E-24	6.49E-24	0.113469	chr3_9509	sig	hyper
chr3	9552401	9552600	*	1.97E-137	2.32E-136	0.202428	chr3_9552	sig	hyper
chr3	9600801	9601000	*	2.12E-54	9.74E-54	-0.10351	chr3_9600	sig	hypo
chr3	10141201	10141400	*	1.55E-23	4.15E-23	-0.12092	chr3_1014	sig	hypo
chr3	10142801	10143000	*	7.11E-89	4.93E-88	-0.22675	chr3_1014	sig	hypo
chr3	10328801	10329000	*	1.87E-54	8.61E-54	0.100682	chr3_1032	sig	hyper
chr3	10329801	10330000	*	7.45E-83	4.85E-82	-0.20859	chr3_1032	sig	hypo
chr3	10332601	10332800	*	4.52E-54	2.07E-53	-0.18847	chr3_1033	sig	hypo
chr3	10816001	10816200	*	4.22E-151	5.70E-150	0.239212	chr3_1081	sig	hyper
chr3	10816601	10816800	*	3.13E-155	4.39E-154	0.25613	chr3_1081	sig	hyper
chr3	10993201	10993400	*	0	0	0.271588	chr3_1099	sig	hyper
chr3	10993401	10993600	*	4.18E-95	3.10E-94	0.174035	chr3_1099	sig	hyper
chr3	10994801	10995000	*	4.12E-48	1.74E-47	-0.14915	chr3_1099	sig	hypo
chr3	12815201	12815400	*	5.79E-128	6.15E-127	-0.14064	chr3_1281	sig	hypo
chr3	12987001	12987200	*	2.23E-131	2.45E-130	-0.20724	chr3_1298	sig	hypo
chr3	13041201	13041400	*	1.67E-166	2.62E-165	-0.29683	chr3_1304	sig	hypo
chr3	13041401	13041600	*	7.17E-156	1.01E-154	-0.24141	chr3_1304	sig	hypo
chr3	13041601	13041800	*	4.57E-72	2.62E-71	-0.12347	chr3_1304	sig	hypo
chr3	13042201	13042400	*	7.07E-29	2.14E-28	-0.11573	chr3_1304	sig	hypo
chr3	13072801	13073000	*	7.89E-43	3.08E-42	0.153692	chr3_1307	sig	hyper
chr3	13073601	13073800	*	4.59E-276	2.00E-274	0.210988	chr3_1307	sig	hyper
chr3	13204601	13204800	*	1.38E-30	4.35E-30	0.165086	chr3_1320	sig	hyper
chr3	13282001	13282200	*	8.23E-70	4.61E-69	0.185461	chr3_1328	sig	hyper
chr3	13283201	13283400	*	1.88E-64	9.83E-64	0.177543	chr3_1328	sig	hyper
chr3	13553401	13553600	*	7.50E-66	4.00E-65	-0.14135	chr3_1355	sig	hypo
chr3	13622001	13622200	*	9.91E-105	8.20E-104	-0.19013	chr3_1362	sig	hypo
chr3	13637401	13637600	*	1.05E-110	9.22E-110	-0.20295	chr3_1363	sig	hypo
chr3	13637601	13637800	*	3.68E-259	1.41E-257	-0.17712	chr3_1363	sig	hypo
chr3	13638001	13638200	*	3.15E-27	9.19E-27	-0.10005	chr3_1363	sig	hypo
chr3	13932801	13933000	*	5.87E-82	3.78E-81	0.174529	chr3_1393	sig	hyper
chr3	13934401	13934600	*	8.06E-12	1.50E-11	-0.10634	chr3_1393	sig	hypo
chr3	14305801	14306000	*	3.68E-69	2.05E-68	-0.11813	chr3_1430	sig	hypo
chr3	14401801	14402000	*	4.55E-32	1.48E-31	-0.12928	chr3_1440	sig	hypo

chr3	14811201	14811400	*	1.49E-71	8.51E-71	0.133007	chr3_1481	sig	hyper
chr3	14811601	14811800	*	8.60E-39	3.14E-38	0.166008	chr3_1481	sig	hyper
chr3	14819201	14819400	*	3.47E-33	1.15E-32	-0.16771	chr3_1481	sig	hypo
chr3	19233801	19234000	*	2.98E-10	5.18E-10	0.102564	chr3_1923	sig	hyper
chr3	19946001	19946200	*	7.27E-29	2.20E-28	-0.12025	chr3_1994	sig	hypo
chr3	22372001	22372200	*	2.09E-74	1.23E-73	0.181105	chr3_2237	sig	hyper
chr3	26622001	26622200	*	2.68E-117	2.55E-116	0.258178	chr3_2662	sig	hyper
chr3	26622201	26622400	*	1.87E-75	1.12E-74	0.166199	chr3_2662	sig	hyper
chr3	26622801	26623000	*	2.32E-146	2.99E-145	0.246185	chr3_2662	sig	hyper
chr3	26623201	26623400	*	5.86E-223	1.57E-221	0.306411	chr3_2662	sig	hyper
chr3	26623601	26623800	*	1.19E-110	1.04E-109	0.218895	chr3_2662	sig	hyper
chr3	27714601	27714800	*	1.85E-41	7.06E-41	0.110548	chr3_2771	sig	hyper
chr3	27720801	27721000	*	3.78E-37	1.34E-36	0.104438	chr3_2772	sig	hyper
chr3	27723201	27723400	*	1.61E-179	2.83E-178	0.245511	chr3_2772	sig	hyper
chr3	27723601	27723800	*	5.63E-254	2.08E-252	0.364807	chr3_2772	sig	hyper
chr3	27723801	27724000	*	0	0	0.360062	chr3_2772	sig	hyper
chr3	27724401	27724600	*	7.94E-107	6.70E-106	0.337169	chr3_2772	sig	hyper
chr3	27724601	27724800	*	4.17E-151	5.64E-150	0.216486	chr3_2772	sig	hyper
chr3	27728601	27728800	*	2.06E-144	2.60E-143	0.233283	chr3_2772	sig	hyper
chr3	27728801	27729000	*	2.82E-144	3.55E-143	0.201763	chr3_2772	sig	hyper
chr3	27729401	27729600	*	2.47E-137	2.90E-136	0.197095	chr3_2772	sig	hyper
chr3	27729801	27730000	*	1.06E-90	7.52E-90	0.239025	chr3_2772	sig	hyper
chr3	27730201	27730400	*	2.61E-283	1.21E-281	0.206858	chr3_2773	sig	hyper
chr3	27731201	27731400	*	8.87E-200	1.90E-198	0.297233	chr3_2773	sig	hyper
chr3	28200601	28200800	*	2.32E-35	7.97E-35	0.131599	chr3_2820	sig	hyper
chr3	28575001	28575200	*	5.42E-81	3.46E-80	0.296355	chr3_2857	sig	hyper
chr3	28575201	28575400	*	9.99E-115	9.22E-114	0.221462	chr3_2857	sig	hyper
chr3	32817801	32818000	*	5.29E-226	1.47E-224	0.18114	chr3_3281	sig	hyper
chr3	32819601	32819800	*	3.69E-52	1.65E-51	0.203646	chr3_3281	sig	hyper
chr3	32819801	32820000	*	8.88E-106	7.43E-105	0.217068	chr3_3281	sig	hyper
chr3	35640001	35640200	*	0.00E+00	0.00E+00	0.318999	chr3_3564	sig	hyper
chr3	36763801	36764000	*	6.54E-54	2.99E-53	0.271259	chr3_3676	sig	hyper
chr3	36764601	36764800	*	3.65E-40	1.37E-39	0.181156	chr3_3676	sig	hyper
chr3	36945201	36945400	*	3.91E-52	1.74E-51	0.106569	chr3_3694	sig	hyper
chr3	38648801	38649000	*	3.83E-28	1.14E-27	0.11735	chr3_3864	sig	hyper
chr3	40615601	40615800	*	2.41E-37	8.57E-37	0.13046	chr3_4061	sig	hyper
chr3	40615801	40616000	*	3.30E-31	1.05E-30	0.114306	chr3_4061	sig	hyper
chr3	42264801	42265000	*	2.48E-45	1.00E-44	0.232179	chr3_4226	sig	hyper
chr3	42265001	42265200	*	2.27E-89	1.58E-88	0.28248	chr3_4226	sig	hyper
chr3	42265401	42265600	*	2.18E-110	1.91E-109	0.27709	chr3_4226	sig	hyper
chr3	42685601	42685800	*	5.75E-41	2.18E-40	0.100489	chr3_4268	sig	hyper
chr3	42686201	42686400	*	4.26E-109	3.69E-108	0.180269	chr3_4268	sig	hyper
chr3	42805601	42805800	*	1.31E-36	4.60E-36	-0.14154	chr3_4280	sig	hypo
chr3	43894601	43894800	*	1.94E-73	1.13E-72	0.134039	chr3_4389	sig	hyper
chr3	43996001	43996200	*	2.48E-76	1.50E-75	0.16312	chr3_4399	sig	hyper
chr3	43996801	43997000	*	1.99E-145	2.53E-144	0.164408	chr3_4399	sig	hyper
chr3	43997601	43997800	*	2.61E-109	2.27E-108	0.189001	chr3_4399	sig	hyper
chr3	43997801	43998000	*	1.49E-260	5.74E-259	0.200176	chr3_4399	sig	hyper
chr3	43998001	43998200	*	2.05E-161	3.04E-160	0.254898	chr3_4399	sig	hyper
chr3	43998401	43998600	*	4.82E-103	3.91E-102	0.191704	chr3_4399	sig	hyper
chr3	44021801	44022000	*	9.50E-203	2.12E-201	0.207887	chr3_4402	sig	hyper
chr3	44022001	44022200	*	0	0	0.290174	chr3_4402	sig	hyper
chr3	44022201	44022400	*	2.59E-168	4.14E-167	0.200736	chr3_4402	sig	hyper
chr3	44585001	44585200	*	3.41E-66	1.83E-65	0.120864	chr3_4458	sig	hyper
chr3	44585201	44585400	*	1.48E-62	7.54E-62	0.179088	chr3_4458	sig	hyper
chr3	44685401	44685600	*	5.11E-51	2.25E-50	0.113738	chr3_4468	sig	hyper

chr3	44685601	44685800	*	1.72E-102	1.39E-101	0.14541	chr3_4468	sig	hyper
chr3	45759401	45759600	*	1.38E-99	1.07E-98	-0.14725	chr3_4575	sig	hypo
chr3	46464801	46465000	*	8.60E-107	7.25E-106	0.20717	chr3_4646	sig	hyper
chr3	46465001	46465200	*	5.29E-78	3.26E-77	0.206007	chr3_4646	sig	hyper
chr3	46565801	46566000	*	1.26E-47	5.30E-47	0.148607	chr3_4656	sig	hyper
chr3	46577001	46577200	*	2.20E-100	1.74E-99	0.174435	chr3_4657	sig	hyper
chr3	47010001	47010200	*	3.02E-89	2.10E-88	0.24676	chr3_4701	sig	hyper
chr3	48269001	48269200	*	1.99E-75	1.19E-74	-0.19247	chr3_4826	sig	hypo
chr3	48273401	48273600	*	3.55E-78	2.19E-77	-0.19703	chr3_4827	sig	hypo
chr3	48656001	48656200	*	1.18E-56	5.60E-56	0.139558	chr3_4865	sig	hyper
chr3	48656401	48656600	*	7.55E-157	1.08E-155	0.155487	chr3_4865	sig	hyper
chr3	48661601	48661800	*	3.45E-227	9.74E-226	0.237359	chr3_4866	sig	hyper
chr3	48662201	48662400	*	1.45E-71	8.32E-71	0.174474	chr3_4866	sig	hyper
chr3	49657401	49657600	*	8.66E-120	8.44E-119	-0.15874	chr3_4965	sig	hypo
chr3	49686001	49686200	*	0	0	0.276836	chr3_4968	sig	hyper
chr3	49686201	49686400	*	3.29E-61	1.65E-60	0.148997	chr3_4968	sig	hyper
chr3	49718801	49719000	*	2.26E-55	1.06E-54	0.132454	chr3_4971	sig	hyper
chr3	49902601	49902800	*	0	0	-0.41653	chr3_4990	sig	hypo
chr3	50275601	50275800	*	5.70E-83	3.72E-82	0.128575	chr3_5027	sig	hyper
chr3	50322401	50322600	*	8.22E-219	2.11E-217	-0.19745	chr3_5032	sig	hypo
chr3	50322601	50322800	*	2.00E-62	1.02E-61	-0.10642	chr3_5032	sig	hypo
chr3	50338001	50338200	*	9.03E-71	5.11E-70	-0.10608	chr3_5033	sig	hypo
chr3	50351401	50351600	*	1.10E-70	6.23E-70	-0.14922	chr3_5035	sig	hypo
chr3	50358201	50358400	*	3.82E-102	3.08E-101	-0.22541	chr3_5035	sig	hypo
chr3	51955601	51955800	*	3.96E-91	2.81E-90	0.112105	chr3_5195	sig	hyper
chr3	51984001	51984200	*	3.50E-50	1.52E-49	-0.13059	chr3_5198	sig	hypo
chr3	52714201	52714400	*	2.13E-29	6.51E-29	0.11606	chr3_5271	sig	hyper
chr3	52779801	52780000	*	3.00E-29	9.12E-29	-0.12107	chr3_5277	sig	hypo
chr3	53496001	53496200	*	1.80E-66	9.65E-66	0.165406	chr3_5349	sig	hyper
chr3	53844601	53844800	*	3.11E-17	7.01E-17	-0.10374	chr3_5384	sig	hypo
chr3	55474401	55474600	*	3.09E-271	1.29E-269	0.171775	chr3_5547	sig	hyper
chr3	55482201	55482400	*	2.93E-145	3.72E-144	0.273996	chr3_5548	sig	hyper
chr3	55483001	55483200	*	1.62E-122	1.63E-121	0.197445	chr3_5548	sig	hyper
chr3	55484201	55484400	*	2.61E-21	6.56E-21	0.101144	chr3_5548	sig	hyper
chr3	56683601	56683800	*	2.32E-92	1.67E-91	-0.18407	chr3_5668	sig	hypo
chr3	58586801	58587000	*	9.08E-41	3.43E-40	0.200828	chr3_5858	sig	hyper
chr3	62319201	62319400	*	7.68E-45	3.09E-44	0.135017	chr3_6231	sig	hyper
chr3	62368001	62368200	*	1.36E-135	1.57E-134	0.255	chr3_6236	sig	hyper
chr3	62369601	62369800	*	2.78E-130	3.03E-129	0.309254	chr3_6236	sig	hyper
chr3	62369801	62370000	*	5.77E-69	3.20E-68	0.236137	chr3_6236	sig	hyper
chr3	62370601	62370800	*	0	0	0.274623	chr3_6237	sig	hyper
chr3	62371001	62371200	*	9.19E-128	9.77E-127	0.271819	chr3_6237	sig	hyper
chr3	62371201	62371400	*	0	0	0.409871	chr3_6237	sig	hyper
chr3	62371401	62371600	*	3.26E-75	1.95E-74	0.221583	chr3_6237	sig	hyper
chr3	62373201	62373400	*	6.70E-59	3.28E-58	0.141967	chr3_6237	sig	hyper
chr3	62373801	62374000	*	7.61E-110	6.63E-109	0.227674	chr3_6237	sig	hyper
chr3	62374001	62374200	*	0.00E+00	0.00E+00	0.222845	chr3_6237	sig	hyper
chr3	62374201	62374400	*	3.00E-101	2.39E-100	0.22105	chr3_6237	sig	hyper
chr3	62377001	62377200	*	1.90E-98	1.47E-97	0.215688	chr3_6237	sig	hyper
chr3	62377201	62377400	*	2.00E-229	5.77E-228	0.220108	chr3_6237	sig	hyper
chr3	62377401	62377600	*	8.27E-152	1.12E-150	0.263003	chr3_6237	sig	hyper
chr3	62378201	62378400	*	2.14E-153	2.94E-152	0.232506	chr3_6237	sig	hyper
chr3	62379001	62379200	*	1.60E-73	9.31E-73	0.229687	chr3_6237	sig	hyper
chr3	62379201	62379400	*	9.38E-84	6.18E-83	0.211855	chr3_6237	sig	hyper
chr3	62876001	62876200	*	8.11E-47	3.36E-46	-0.10184	chr3_6287	sig	hypo
chr3	63278001	63278200	*	6.59E-84	4.35E-83	0.195605	chr3_6327	sig	hyper

chr3	63278401	63278600	*	7.46E-80	4.70E-79	0.172342	chr3_6327	sig	hyper
chr3	63913401	63913600	*	6.93E-14	1.40E-13	0.114976	chr3_6391	sig	hyper
chr3	64022601	64022800	*	1.92E-60	9.52E-60	-0.12296	chr3_6402	sig	hypo
chr3	64267801	64268000	*	1.11E-50	4.84E-50	0.13093	chr3_6426	sig	hyper
chr3	64268001	64268200	*	3.19E-68	1.75E-67	0.156314	chr3_6426	sig	hyper
chr3	65356401	65356600	*	9.03E-73	5.23E-72	0.219413	chr3_6535	sig	hyper
chr3	65357001	65357200	*	2.35E-46	9.68E-46	0.164632	chr3_6535	sig	hyper
chr3	66798201	66798400	*	1.37E-36	4.83E-36	0.120227	chr3_6679	sig	hyper
chr3	67656001	67656200	*	9.60E-56	4.50E-55	0.158974	chr3_6765	sig	hyper
chr3	68007601	68007800	*	4.61E-99	3.58E-98	0.284432	chr3_6800	sig	hyper
chr3	68007801	68008000	*	3.86E-101	3.07E-100	0.191383	chr3_6800	sig	hyper
chr3	68931201	68931400	*	5.60E-66	2.99E-65	0.253038	chr3_6893	sig	hyper
chr3	68932801	68933000	*	1.12E-238	3.56E-237	0.247393	chr3_6893	sig	hyper
chr3	71753201	71753400	*	8.72E-22	2.22E-21	0.1273	chr3_7175	sig	hyper
chr3	71754801	71755000	*	6.65E-36	2.31E-35	0.178886	chr3_7175	sig	hyper
chr3	72655201	72655400	*	4.20E-90	2.95E-89	0.188162	chr3_7265	sig	hyper
chr3	72655401	72655600	*	1.53E-25	4.29E-25	0.113476	chr3_7265	sig	hyper
chr3	75641201	75641400	*	9.53E-89	6.60E-88	0.20154	chr3_7564	sig	hyper
chr3	75655401	75655600	*	1.41E-69	7.90E-69	0.194288	chr3_7565	sig	hyper
chr3	75655801	75656000	*	1.07E-65	5.69E-65	0.139895	chr3_7565	sig	hyper
chr3	75668001	75668200	*	3.50E-33	1.16E-32	0.163004	chr3_7566	sig	hyper
chr3	75668201	75668400	*	4.29E-39	1.57E-38	0.156826	chr3_7566	sig	hyper
chr3	75671001	75671200	*	8.56E-94	6.25E-93	0.218713	chr3_7567	sig	hyper
chr3	75672601	75672800	*	2.26E-18	5.26E-18	0.105358	chr3_7567	sig	hyper
chr3	79019601	79019800	*	2.18E-52	9.77E-52	0.158042	chr3_7901	sig	hyper
chr3	84958601	84958800	*	5.56E-238	1.75E-236	0.138036	chr3_8495	sig	hyper
chr3	87089201	87089400	*	6.26E-117	5.93E-116	0.273403	chr3_8708	sig	hyper
chr3	87089401	87089600	*	4.30E-75	2.57E-74	0.168576	chr3_8708	sig	hyper
chr3	96814801	96815000	*	2.10E-54	9.65E-54	0.177204	chr3_9681	sig	hyper
chr3	98594001	98594200	*	2.32E-13	4.60E-13	-0.11312	chr3_9859	sig	hypo
chr3	101677801	101678000	*	9.07E-144	1.13E-142	-0.26603	chr3_1016	sig	hypo
chr3	107241001	107241200	*	1.20E-120	1.18E-119	0.118723	chr3_1072	sig	hyper
chr3	107429401	107429600	*	3.58E-126	3.74E-125	0.177245	chr3_1074	sig	hyper
chr3	111978601	111978800	*	8.93E-50	3.87E-49	-0.11615	chr3_1119	sig	hypo
chr3	113441401	113441600	*	1.35E-248	4.71E-247	0.197133	chr3_1134	sig	hyper
chr3	113441601	113441800	*	2.66E-105	2.22E-104	0.121588	chr3_1134	sig	hyper
chr3	114103601	114103800	*	2.32E-45	9.39E-45	-0.13404	chr3_1141	sig	hypo
chr3	114239001	114239200	*	3.14E-66	1.68E-65	-0.21209	chr3_1142	sig	hypo
chr3	117997201	117997400	*	1.53E-73	8.91E-73	0.265938	chr3_1179	sig	hyper
chr3	117997601	117997800	*	4.98E-78	3.07E-77	0.116725	chr3_1179	sig	hyper
chr3	119703201	119703400	*	5.00E-69	2.78E-68	0.135516	chr3_1197	sig	hyper
chr3	119703401	119703600	*	9.25E-84	6.09E-83	0.157747	chr3_1197	sig	hyper
chr3	119810001	119810200	*	5.16E-97	3.92E-96	0.223646	chr3_1198	sig	hyper
chr3	119810201	119810400	*	0	0	0.262532	chr3_1198	sig	hyper
chr3	120285401	120285600	*	3.57E-93	2.59E-92	0.209787	chr3_1202	sig	hyper
chr3	120450801	120451000	*	9.98E-52	4.43E-51	0.186155	chr3_1204	sig	hyper
chr3	120451401	120451600	*	3.36E-30	1.05E-29	0.112277	chr3_1204	sig	hyper
chr3	122183601	122183800	*	3.92E-133	4.42E-132	0.124637	chr3_1221	sig	hyper
chr3	122184601	122184800	*	5.44E-55	2.53E-54	0.134578	chr3_1221	sig	hyper
chr3	122922001	122922200	*	1.61E-67	8.78E-67	0.108111	chr3_1229	sig	hyper
chr3	125141801	125142000	*	0	0	0.308342	chr3_1251	sig	hyper
chr3	125142001	125142200	*	0	0	0.299622	chr3_1251	sig	hyper
chr3	125357001	125357200	*	3.38E-177	5.86E-176	0.405009	chr3_1253	sig	hyper
chr3	125357601	125357800	*	1.53E-161	2.28E-160	0.322219	chr3_1253	sig	hyper
chr3	125698401	125698600	*	9.91E-96	7.40E-95	-0.20139	chr3_1256	sig	hypo
chr3	125756001	125756200	*	1.78E-105	1.49E-104	-0.23117	chr3_1257	sig	hypo

chr3	125756201	125756400	*	3.32E-144	4.17E-143	-0.34195	chr3_1257	sig	hypo
chr3	125958601	125958800	*	6.12E-45	2.46E-44	-0.10654	chr3_1259	sig	hypo
chr3	126267801	126268000	*	1.79E-21	4.52E-21	0.111683	chr3_1262	sig	hyper
chr3	126416201	126416400	*	2.45E-25	6.85E-25	0.124399	chr3_1264	sig	hyper
chr3	126704801	126705000	*	1.06E-81	6.85E-81	0.226718	chr3_1267	sig	hyper
chr3	128481801	128482000	*	1.83E-215	4.56E-214	0.22439	chr3_1284	sig	hyper
chr3	128483801	128484000	*	1.49E-88	1.03E-87	0.157348	chr3_1284	sig	hyper
chr3	128486201	128486400	*	3.55E-56	1.67E-55	0.143363	chr3_1284	sig	hyper
chr3	128492001	128492200	*	8.43E-78	5.17E-77	0.147115	chr3_1284	sig	hyper
chr3	128493401	128493600	*	1.20E-112	1.08E-111	0.195347	chr3_1284	sig	hyper
chr3	128496601	128496800	*	3.30E-127	3.48E-126	0.235138	chr3_1284	sig	hyper
chr3	128497201	128497400	*	2.78E-80	1.76E-79	0.204516	chr3_1284	sig	hyper
chr3	129305801	129306000	*	6.61E-30	2.05E-29	0.122357	chr3_1293	sig	hyper
chr3	129975201	129975400	*	9.69E-257	3.65E-255	0.360039	chr3_1299	sig	hyper
chr3	130517601	130517800	*	5.74E-47	2.39E-46	0.192253	chr3_1305	sig	hyper
chr3	133037801	133038000	*	5.65E-67	3.05E-66	0.166412	chr3_1330	sig	hyper
chr3	133038001	133038200	*	7.34E-149	9.72E-148	0.243333	chr3_1330	sig	hyper
chr3	133038801	133039000	*	1.93E-219	5.01E-218	0.245915	chr3_1330	sig	hyper
chr3	133039001	133039200	*	4.01E-72	2.30E-71	0.168038	chr3_1330	sig	hyper
chr3	133410601	133410800	*	1.01E-168	1.62E-167	-0.30034	chr3_1334	sig	hypo
chr3	133674201	133674400	*	1.05E-54	4.86E-54	0.205531	chr3_1336	sig	hyper
chr3	133674801	133675000	*	1.70E-94	1.25E-93	0.277638	chr3_1336	sig	hyper
chr3	133746001	133746200	*	7.51E-46	3.06E-45	0.14797	chr3_1337	sig	hyper
chr3	133783601	133783800	*	6.77E-30	2.10E-29	0.155451	chr3_1337	sig	hyper
chr3	133784001	133784200	*	6.66E-24	1.80E-23	0.100679	chr3_1337	sig	hyper
chr3	134650601	134650800	*	3.22E-121	3.19E-120	0.221559	chr3_1346	sig	hyper
chr3	134651001	134651200	*	4.17E-115	3.87E-114	0.163816	chr3_1346	sig	hyper
chr3	134651201	134651400	*	7.00E-120	6.83E-119	0.122175	chr3_1346	sig	hyper
chr3	136818601	136818800	*	1.79E-24	4.90E-24	0.110142	chr3_1368	sig	hyper
chr3	137761201	137761400	*	1.26E-281	5.81E-280	0.28661	chr3_1377	sig	hyper
chr3	137761801	137762000	*	0	0	0.274471	chr3_1377	sig	hyper
chr3	137762001	137762200	*	4.90E-63	2.51E-62	0.19742	chr3_1377	sig	hyper
chr3	137763001	137763200	*	1.25E-159	1.83E-158	0.186897	chr3_1377	sig	hyper
chr3	137763201	137763400	*	4.30E-86	2.89E-85	0.255045	chr3_1377	sig	hyper
chr3	137764601	137764800	*	9.49E-75	5.63E-74	0.145668	chr3_1377	sig	hyper
chr3	137764801	137765000	*	2.33E-181	4.19E-180	0.20337	chr3_1377	sig	hyper
chr3	137766401	137766600	*	1.00E-65	5.33E-65	0.153504	chr3_1377	sig	hyper
chr3	137767201	137767400	*	1.32E-116	1.24E-115	0.182495	chr3_1377	sig	hyper
chr3	137769601	137769800	*	1.93E-192	3.89E-191	0.215047	chr3_1377	sig	hyper
chr3	137770801	137771000	*	2.72E-245	9.23E-244	0.278804	chr3_1377	sig	hyper
chr3	137771601	137771800	*	2.93E-125	3.03E-124	0.219277	chr3_1377	sig	hyper
chr3	137771801	137772000	*	0	0	0.20546	chr3_1377	sig	hyper
chr3	138101801	138102000	*	1.34E-71	7.69E-71	-0.1586	chr3_1381	sig	hypo
chr3	138435401	138435600	*	4.81E-32	1.56E-31	0.113397	chr3_1384	sig	hyper
chr3	138938601	138938800	*	1.03E-217	2.63E-216	0.128924	chr3_1389	sig	hyper
chr3	138939401	138939600	*	1.38E-179	2.43E-178	0.153583	chr3_1389	sig	hyper
chr3	138939601	138939800	*	3.83E-138	4.54E-137	0.190258	chr3_1389	sig	hyper
chr3	138939801	138940000	*	7.62E-73	4.42E-72	0.130594	chr3_1389	sig	hyper
chr3	138940001	138940200	*	4.03E-110	3.52E-109	0.14355	chr3_1389	sig	hyper
chr3	138950001	138950200	*	2.35E-163	3.56E-162	0.134714	chr3_1389	sig	hyper
chr3	138950201	138950400	*	2.74E-68	1.51E-67	0.123093	chr3_1389	sig	hyper
chr3	138960601	138960800	*	1.13E-164	1.73E-163	0.226218	chr3_1389	sig	hyper
chr3	139538801	139539000	*	5.20E-64	2.70E-63	0.110679	chr3_1395	sig	hyper
chr3	139539001	139539200	*	8.77E-63	4.48E-62	0.184345	chr3_1395	sig	hyper
chr3	139539801	139540000	*	3.80E-184	6.97E-183	0.150316	chr3_1395	sig	hyper
chr3	141050801	141051000	*	3.95E-102	3.18E-101	0.166407	chr3_1410	sig	hyper

chr3	141052201	141052400	*	1.95E-114	1.79E-113	0.211735	chr3_1410	sig	hyper
chr3	141052401	141052600	*	5.99E-93	4.34E-92	0.260735	chr3_1410	sig	hyper
chr3	141095201	141095400	*	2.74E-74	1.62E-73	0.129952	chr3_1410	sig	hyper
chr3	141797601	141797800	*	1.30E-92	9.36E-92	0.190098	chr3_1417	sig	hyper
chr3	142964201	142964400	*	3.16E-57	1.51E-56	0.232579	chr3_1429	sig	hyper
chr3	142964401	142964600	*	1.95E-61	9.83E-61	0.220957	chr3_1429	sig	hyper
chr3	143118601	143118800	*	6.91E-64	3.58E-63	0.131088	chr3_1431	sig	hyper
chr3	143120001	143120200	*	2.44E-287	1.18E-285	0.136764	chr3_1431	sig	hyper
chr3	143121201	143121400	*	0	0	0.275738	chr3_1431	sig	hyper
chr3	143121401	143121600	*	9.42E-57	4.47E-56	0.220474	chr3_1431	sig	hyper
chr3	147356201	147356400	*	5.43E-181	9.71E-180	0.246647	chr3_1473	sig	hyper
chr3	147359601	147359800	*	2.02E-148	2.66E-147	0.210903	chr3_1473	sig	hyper
chr3	147378201	147378400	*	5.61E-107	4.74E-106	0.131735	chr3_1473	sig	hyper
chr3	147380601	147380800	*	4.35E-149	5.77E-148	0.22207	chr3_1473	sig	hyper
chr3	147388201	147388400	*	5.38E-114	4.92E-113	0.140866	chr3_1473	sig	hyper
chr3	147388601	147388800	*	0.00E+00	0.00E+00	0.293922	chr3_1473	sig	hyper
chr3	147388801	147389000	*	0	0	0.264391	chr3_1473	sig	hyper
chr3	147391001	147391200	*	5.17E-234	1.57E-232	0.218224	chr3_1473	sig	hyper
chr3	147391801	147392000	*	1.56E-113	1.42E-112	0.269691	chr3_1473	sig	hyper
chr3	147392401	147392600	*	1.45E-219	3.76E-218	0.260148	chr3_1473	sig	hyper
chr3	147394201	147394400	*	3.10E-179	5.45E-178	0.251481	chr3_1473	sig	hyper
chr3	147394401	147394600	*	6.14E-125	6.34E-124	0.213485	chr3_1473	sig	hyper
chr3	147394601	147394800	*	6.55E-74	3.84E-73	0.155085	chr3_1473	sig	hyper
chr3	147395801	147396000	*	3.83E-74	2.25E-73	0.16458	chr3_1473	sig	hyper
chr3	147396001	147396200	*	5.55E-229	1.60E-227	0.302223	chr3_1473	sig	hyper
chr3	147396601	147396800	*	1.77E-138	2.10E-137	0.239339	chr3_1473	sig	hyper
chr3	147397001	147397200	*	1.73E-144	2.18E-143	0.27214	chr3_1473	sig	hyper
chr3	147397201	147397400	*	2.34E-202	5.21E-201	0.218481	chr3_1473	sig	hyper
chr3	147398001	147398200	*	1.54E-113	1.40E-112	0.257633	chr3_1473	sig	hyper
chr3	147398201	147398400	*	1.05E-77	6.42E-77	0.197671	chr3_1473	sig	hyper
chr3	147405601	147405800	*	2.01E-20	4.94E-20	0.110473	chr3_1474	sig	hyper
chr3	147407201	147407400	*	2.88E-104	2.37E-103	0.162866	chr3_1474	sig	hyper
chr3	147407801	147408000	*	1.77E-253	6.48E-252	0.27937	chr3_1474	sig	hyper
chr3	147408001	147408200	*	1.65E-178	2.90E-177	0.234105	chr3_1474	sig	hyper
chr3	147409801	147410000	*	0	0	0.297837	chr3_1474	sig	hyper
chr3	147410201	147410400	*	5.26E-194	1.07E-192	0.305127	chr3_1474	sig	hyper
chr3	147410401	147410600	*	4.88E-162	7.29E-161	0.309652	chr3_1474	sig	hyper
chr3	147410801	147411000	*	9.40E-292	4.82E-290	0.209971	chr3_1474	sig	hyper
chr3	147411001	147411200	*	2.66E-177	4.61E-176	0.304516	chr3_1474	sig	hyper
chr3	147411201	147411400	*	0.00E+00	0.00E+00	0.307736	chr3_1474	sig	hyper
chr3	147411401	147411600	*	5.52E-243	1.83E-241	0.268189	chr3_1474	sig	hyper
chr3	147412601	147412800	*	0	0	0.317221	chr3_1474	sig	hyper
chr3	147413201	147413400	*	1.62E-190	3.20E-189	0.258777	chr3_1474	sig	hyper
chr3	147413401	147413600	*	1.17E-96	8.84E-96	0.177673	chr3_1474	sig	hyper
chr3	147421601	147421800	*	2.09E-112	1.87E-111	0.188432	chr3_1474	sig	hyper
chr3	147422201	147422400	*	1.01E-142	1.25E-141	0.231334	chr3_1474	sig	hyper
chr3	147423001	147423200	*	0	0	0.249868	chr3_1474	sig	hyper
chr3	147423201	147423400	*	5.28E-125	5.45E-124	0.247052	chr3_1474	sig	hyper
chr3	147423401	147423600	*	8.57E-261	3.31E-259	0.236977	chr3_1474	sig	hyper
chr3	147423801	147424000	*	2.63E-83	1.72E-82	0.18814	chr3_1474	sig	hyper
chr3	147424401	147424600	*	1.29E-127	1.37E-126	0.22925	chr3_1474	sig	hyper
chr3	148697801	148698000	*	3.35E-153	4.59E-152	0.167101	chr3_1486	sig	hyper
chr3	148947001	148947200	*	1.86E-70	1.05E-69	-0.16692	chr3_1489	sig	hypo
chr3	149657201	149657400	*	9.85E-30	3.03E-29	0.109618	chr3_1496	sig	hyper
chr3	151085001	151085200	*	6.74E-24	1.82E-23	0.104361	chr3_1510	sig	hyper
chr3	152836401	152836600	*	2.99E-23	7.93E-23	-0.12533	chr3_1528	sig	hypo

chr3	154122401	154122600	*	2.32E-40	8.71E-40	0.127052	chr3_1541	sig	hyper
chr3	154122601	154122800	*	1.82E-41	6.95E-41	0.122624	chr3_1541	sig	hyper
chr3	154428001	154428200	*	4.75E-155	6.65E-154	0.245718	chr3_1544	sig	hyper
chr3	154428601	154428800	*	2.85E-231	8.41E-230	0.326	chr3_1544	sig	hyper
chr3	154429001	154429200	*	0	0	0.264676	chr3_1544	sig	hyper
chr3	156291601	156291800	*	3.47E-92	2.49E-91	0.147227	chr3_1562	sig	hyper
chr3	157436801	157437000	*	1.35E-23	3.62E-23	0.144681	chr3_1574	sig	hyper
chr3	157437401	157437600	*	4.63E-138	5.48E-137	0.109157	chr3_1574	sig	hyper
chr3	157437601	157437800	*	6.52E-96	4.88E-95	0.104793	chr3_1574	sig	hyper
chr3	157542801	157543000	*	5.46E-20	1.33E-19	0.107008	chr3_1575	sig	hyper
chr3	158094201	158094400	*	6.47E-112	5.77E-111	0.240047	chr3_1580	sig	hyper
chr3	158094801	158095000	*	8.82E-211	2.12E-209	0.35936	chr3_1580	sig	hyper
chr3	158095401	158095600	*	3.18E-218	8.12E-217	0.296397	chr3_1580	sig	hyper
chr3	158102801	158103000	*	9.02E-136	1.04E-134	0.236598	chr3_1581	sig	hyper
chr3	158103401	158103600	*	4.40E-84	2.91E-83	0.13019	chr3_1581	sig	hyper
chr3	158103601	158103800	*	6.28E-99	4.87E-98	0.1261	chr3_1581	sig	hyper
chr3	160039001	160039200	*	0	0	0.333433	chr3_1600	sig	hyper
chr3	160039201	160039400	*	1.24E-114	1.14E-113	0.244363	chr3_1600	sig	hyper
chr3	160224601	160224800	*	9.92E-27	2.86E-26	0.138262	chr3_1602	sig	hyper
chr3	160757201	160757400	*	1.38E-127	1.46E-126	0.187861	chr3_1607	sig	hyper
chr3	160757401	160757600	*	2.31E-22	5.96E-22	0.101027	chr3_1607	sig	hyper
chr3	169658401	169658600	*	3.82E-41	1.45E-40	-0.14371	chr3_1696	sig	hypo
chr3	169664201	169664400	*	5.43E-48	2.29E-47	-0.11287	chr3_1696	sig	hypo
chr3	169666401	169666600	*	6.45E-46	2.63E-45	0.211628	chr3_1696	sig	hyper
chr3	169666601	169666800	*	2.03E-140	2.45E-139	0.230942	chr3_1696	sig	hyper
chr3	169813801	169814000	*	3.66E-60	1.81E-59	-0.14895	chr3_1698	sig	hypo
chr3	169822201	169822400	*	0	0	-0.51937	chr3_1698	sig	hypo
chr3	169822401	169822600	*	2.80E-172	4.67E-171	-0.3892	chr3_1698	sig	hypo
chr3	169822601	169822800	*	0	0	-0.43453	chr3_1698	sig	hypo
chr3	170419401	170419600	*	3.54E-60	1.76E-59	0.103981	chr3_1704	sig	hyper
chr3	170419601	170419800	*	1.76E-75	1.05E-74	0.107251	chr3_1704	sig	hyper
chr3	170420001	170420200	*	9.38E-12	1.74E-11	0.150678	chr3_1704	sig	hyper
chr3	170585401	170585600	*	5.50E-144	6.89E-143	0.292018	chr3_1705	sig	hyper
chr3	170907601	170907800	*	1.79E-28	5.34E-28	0.105226	chr3_1709	sig	hyper
chr3	171457801	171458000	*	1.24E-28	3.72E-28	-0.10577	chr3_1714	sig	hypo
chr3	172447601	172447800	*	4.85E-53	2.19E-52	0.22449	chr3_1724	sig	hyper
chr3	172448001	172448200	*	5.03E-98	3.86E-97	0.262077	chr3_1724	sig	hyper
chr3	172448401	172448600	*	1.44E-226	4.04E-225	0.257201	chr3_1724	sig	hyper
chr3	172449601	172449800	*	4.20E-248	1.46E-246	0.276741	chr3_1724	sig	hyper
chr3	172449801	172450000	*	4.64E-152	6.31E-151	0.222228	chr3_1724	sig	hyper
chr3	172450001	172450200	*	8.92E-107	7.53E-106	0.247568	chr3_1724	sig	hyper
chr3	173141001	173141200	*	1.38E-133	1.56E-132	-0.23657	chr3_1731	sig	hypo
chr3	173398001	173398200	*	2.31E-33	7.67E-33	0.101021	chr3_1733	sig	hyper
chr3	180036401	180036600	*	5.34E-173	8.96E-172	0.298691	chr3_1800	sig	hyper
chr3	180036601	180036800	*	0	0	0.283305	chr3_1800	sig	hyper
chr3	180037401	180037600	*	1.80E-225	4.98E-224	0.444427	chr3_1800	sig	hyper
chr3	180324801	180325000	*	1.72E-80	1.09E-79	-0.12826	chr3_1803	sig	hypo
chr3	180679801	180680000	*	3.64E-79	2.28E-78	0.133415	chr3_1806	sig	hyper
chr3	180680001	180680200	*	5.60E-179	9.82E-178	0.132506	chr3_1806	sig	hyper
chr3	181696001	181696200	*	3.71E-145	4.72E-144	0.17325	chr3_1816	sig	hyper
chr3	181696201	181696400	*	3.29E-120	3.22E-119	0.154248	chr3_1816	sig	hyper
chr3	181703601	181703800	*	1.66E-128	1.78E-127	0.204242	chr3_1817	sig	hyper
chr3	181703801	181704000	*	5.66E-181	1.01E-179	0.195429	chr3_1817	sig	hyper
chr3	181710401	181710600	*	2.05E-44	8.17E-44	0.172329	chr3_1817	sig	hyper
chr3	181712601	181712800	*	1.18E-287	5.75E-286	0.112285	chr3_1817	sig	hyper
chr3	181713201	181713400	*	5.39E-68	2.95E-67	0.112613	chr3_1817	sig	hyper

chr3	181723801	181724000	*	1.60E-127	1.69E-126	0.169243	chr3_1817	sig	hyper
chr3	181724001	181724200	*	6.60E-80	4.16E-79	0.176434	chr3_1817	sig	hyper
chr3	181724201	181724400	*	5.42E-138	6.40E-137	0.262145	chr3_1817	sig	hyper
chr3	181725201	181725400	*	3.93E-159	5.72E-158	0.299911	chr3_1817	sig	hyper
chr3	181726601	181726800	*	6.92E-304	3.98E-302	0.189016	chr3_1817	sig	hyper
chr3	181727001	181727200	*	3.73E-91	2.65E-90	0.174689	chr3_1817	sig	hyper
chr3	184491401	184491600	*	4.49E-60	2.22E-59	0.203741	chr3_1844	sig	hyper
chr3	184491601	184491800	*	5.30E-32	1.72E-31	0.107181	chr3_1844	sig	hyper
chr3	184492201	184492400	*	3.79E-123	3.83E-122	0.193404	chr3_1844	sig	hyper
chr3	184579401	184579600	*	2.32E-23	6.18E-23	0.12383	chr3_1845	sig	hyper
chr3	184583401	184583600	*	2.55E-189	4.98E-188	0.313669	chr3_1845	sig	hyper
chr3	184769801	184770000	*	2.09E-99	1.63E-98	-0.20663	chr3_1847	sig	hypo
chr3	186193401	186193600	*	6.64E-45	2.67E-44	0.175069	chr3_1861	sig	hyper
chr3	186194001	186194200	*	4.91E-88	3.37E-87	0.169523	chr3_1861	sig	hyper
chr3	186361401	186361600	*	2.42E-147	3.14E-146	0.242799	chr3_1863	sig	hyper
chr3	186362401	186362600	*	5.85E-109	5.06E-108	0.153533	chr3_1863	sig	hyper
chr3	186772801	186773000	*	1.84E-124	1.89E-123	0.119356	chr3_1867	sig	hyper
chr3	187139601	187139800	*	6.87E-219	1.77E-217	0.159378	chr3_1871	sig	hyper
chr3	187669601	187669800	*	9.93E-27	2.87E-26	0.125429	chr3_1876	sig	hyper
chr3	187669801	187670000	*	2.36E-78	1.46E-77	0.163953	chr3_1876	sig	hyper
chr3	187670201	187670400	*	0	0	0.291982	chr3_1876	sig	hyper
chr3	187670401	187670600	*	2.69E-100	2.12E-99	0.250054	chr3_1876	sig	hyper
chr3	191952601	191952800	*	2.02E-22	5.24E-22	-0.11153	chr3_1919	sig	hypo
chr3	192408401	192408600	*	5.82E-227	1.64E-225	0.275518	chr3_1924	sig	hyper
chr3	192408801	192409000	*	1.89E-170	3.09E-169	0.21767	chr3_1924	sig	hyper
chr3	192514201	192514400	*	7.34E-260	2.83E-258	0.383326	chr3_1925	sig	hyper
chr3	192727001	192727200	*	3.95E-73	2.29E-72	0.182702	chr3_1927	sig	hyper
chr3	193241401	193241600	*	2.60E-38	9.39E-38	0.113586	chr3_1932	sig	hyper
chr3	193869801	193870000	*	4.08E-42	1.57E-41	-0.12632	chr3_1938	sig	hypo
chr3	194316201	194316400	*	6.96E-34	2.33E-33	-0.10009	chr3_1943	sig	hypo
chr3	194376401	194376600	*	3.86E-137	4.53E-136	-0.21885	chr3_1943	sig	hypo
chr3	194397601	194397800	*	1.47E-16	3.23E-16	0.100802	chr3_1943	sig	hyper
chr3	194398201	194398400	*	1.29E-78	8.04E-78	0.144776	chr3_1943	sig	hyper
chr3	194572401	194572600	*	4.43E-26	1.26E-25	-0.13693	chr3_1945	sig	hypo
chr3	194687201	194687400	*	9.03E-120	8.80E-119	0.100306	chr3_1946	sig	hyper
chr3	194688001	194688200	*	1.25E-131	1.38E-130	0.181382	chr3_1946	sig	hyper
chr3	195105601	195105800	*	8.27E-61	4.12E-60	-0.18269	chr3_1951	sig	hypo
chr3	195148001	195148200	*	1.70E-303	9.66E-302	-0.2903	chr3_1951	sig	hypo
chr3	195540201	195540400	*	2.01E-16	4.42E-16	0.106241	chr3_1955	sig	hyper
chr3	195543801	195544000	*	2.62E-16	5.72E-16	0.10643	chr3_1955	sig	hyper
chr3	195807801	195808000	*	1.09E-55	5.12E-55	-0.16589	chr3_1958	sig	hypo
chr3	195849401	195849600	*	1.61E-21	4.07E-21	-0.13111	chr3_1958	sig	hypo
chr3	195874001	195874200	*	2.38E-24	6.50E-24	-0.10305	chr3_1958	sig	hypo
chr3	196216201	196216400	*	5.17E-37	1.83E-36	-0.12143	chr3_1962	sig	hypo
chr3	196754601	196754800	*	2.06E-30	6.44E-30	-0.13383	chr3_1967	sig	hypo
chr3	196948601	196948800	*	1.83E-14	3.76E-14	-0.10832	chr3_1969	sig	hypo
chr3	196978601	196978800	*	2.70E-66	1.45E-65	0.182258	chr3_1969	sig	hyper
chr3	196978801	196979000	*	1.10E-30	3.45E-30	0.109797	chr3_1969	sig	hyper
chr3	197027601	197027800	*	3.87E-114	3.55E-113	-0.1428	chr3_1970	sig	hypo
chr3	197520001	197520200	*	4.99E-72	2.87E-71	-0.28176	chr3_1975	sig	hypo
chr3	197520201	197520400	*	5.19E-22	1.33E-21	-0.12752	chr3_1975	sig	hypo
chr3	197655601	197655800	*	7.95E-31	2.51E-30	-0.14735	chr3_1976	sig	hypo
chr3	198081801	198082000	*	4.68E-68	2.57E-67	0.257276	chr3_1980	sig	hyper
chr4	107201	107400	*	2.22E-46	9.17E-46	0.209149	chr4_1072	sig	hyper
chr4	212401	212600	*	1.18E-133	1.34E-132	0.231981	chr4_2124	sig	hyper
chr4	212601	212800	*	1.73E-183	3.16E-182	0.274229	chr4_2126	sig	hyper

chr4	304801	305000	*	1.38E-174	2.34E-173	0.270639	chr4_3048	sig	hyper
chr4	305001	305200	*	5.18E-230	1.51E-228	0.296368	chr4_3050	sig	hyper
chr4	386601	386800	*	6.88E-124	7.03E-123	0.246153	chr4_3866	sig	hyper
chr4	574401	574600	*	6.58E-88	4.51E-87	0.190834	chr4_5744	sig	hyper
chr4	624601	624800	*	5.77E-91	4.09E-90	-0.17307	chr4_6246	sig	hypo
chr4	652601	652800	*	1.94E-79	1.21E-78	-0.13663	chr4_6526	sig	hypo
chr4	663201	663400	*	8.87E-61	4.43E-60	0.132958	chr4_6632	sig	hyper
chr4	664201	664400	*	7.67E-116	7.17E-115	0.141461	chr4_6642	sig	hyper
chr4	680601	680800	*	2.52E-29	7.69E-29	-0.14453	chr4_6806	sig	hypo
chr4	693001	693200	*	4.92E-45	1.98E-44	-0.11897	chr4_6930	sig	hypo
chr4	722001	722200	*	3.74E-144	4.69E-143	-0.16419	chr4_7220	sig	hypo
chr4	785001	785200	*	2.31E-233	6.94E-232	0.16201	chr4_7850	sig	hyper
chr4	785401	785600	*	8.81E-99	6.82E-98	0.210241	chr4_7854	sig	hyper
chr4	785601	785800	*	5.55E-252	2.00E-250	0.307882	chr4_7856	sig	hyper
chr4	787201	787400	*	4.48E-99	3.48E-98	-0.2275	chr4_7872	sig	hypo
chr4	834401	834600	*	3.44E-81	2.20E-80	-0.13858	chr4_8344	sig	hypo
chr4	912001	912200	*	2.25E-252	8.13E-251	-0.25772	chr4_9120	sig	hypo
chr4	912601	912800	*	2.46E-122	2.47E-121	-0.23453	chr4_9126	sig	hypo
chr4	963601	963800	*	7.97E-100	6.24E-99	-0.24823	chr4_9636	sig	hypo
chr4	993201	993400	*	4.31E-31	1.37E-30	-0.13484	chr4_9932	sig	hypo
chr4	1028601	1028800	*	9.00E-57	4.27E-56	-0.11389	chr4_1028	sig	hypo
chr4	1053001	1053200	*	2.71E-34	9.16E-34	-0.10805	chr4_1053	sig	hypo
chr4	1056001	1056200	*	0	0	-0.21104	chr4_1056	sig	hypo
chr4	1057001	1057200	*	0	0	-0.3396	chr4_1057	sig	hypo
chr4	1057201	1057400	*	6.25E-115	5.78E-114	-0.23956	chr4_1057	sig	hypo
chr4	1099801	1100000	*	2.53E-142	3.12E-141	-0.15937	chr4_1099	sig	hypo
chr4	1113401	1113600	*	7.48E-69	4.14E-68	0.163217	chr4_1113	sig	hyper
chr4	1202201	1202400	*	5.27E-31	1.67E-30	0.103404	chr4_1202	sig	hyper
chr4	1241401	1241600	*	4.00E-40	1.50E-39	-0.12042	chr4_1241	sig	hypo
chr4	1241601	1241800	*	7.70E-25	2.13E-24	-0.12383	chr4_1241	sig	hypo
chr4	1250001	1250200	*	3.79E-32	1.23E-31	0.10102	chr4_1250	sig	hyper
chr4	1250201	1250400	*	1.45E-47	6.07E-47	0.117876	chr4_1250	sig	hyper
chr4	1305601	1305800	*	2.90E-76	1.75E-75	-0.16967	chr4_1305	sig	hypo
chr4	1309801	1310000	*	2.40E-175	4.11E-174	0.174392	chr4_1309	sig	hyper
chr4	1310001	1310200	*	1.72E-43	6.80E-43	0.118795	chr4_1310	sig	hyper
chr4	1329601	1329800	*	1.91E-31	6.09E-31	-0.12188	chr4_1329	sig	hypo
chr4	1349001	1349200	*	0	0	-0.24837	chr4_1349	sig	hypo
chr4	1404001	1404200	*	9.79E-115	9.04E-114	0.208308	chr4_1404	sig	hyper
chr4	1404201	1404400	*	4.38E-105	3.64E-104	0.24389	chr4_1404	sig	hyper
chr4	1405401	1405600	*	0	0	0.332432	chr4_1405	sig	hyper
chr4	1407601	1407800	*	3.43E-204	7.77E-203	0.352169	chr4_1407	sig	hyper
chr4	1410401	1410600	*	2.77E-34	9.34E-34	0.127165	chr4_1410	sig	hyper
chr4	1494001	1494200	*	5.13E-40	1.91E-39	-0.14472	chr4_1494	sig	hypo
chr4	1495001	1495200	*	3.57E-41	1.36E-40	-0.10831	chr4_1495	sig	hypo
chr4	1502601	1502800	*	5.84E-66	3.12E-65	-0.1288	chr4_1502	sig	hypo
chr4	1502801	1503000	*	5.24E-74	3.08E-73	-0.18155	chr4_1502	sig	hypo
chr4	1510401	1510600	*	4.27E-40	1.60E-39	-0.18271	chr4_1510	sig	hypo
chr4	1535801	1536000	*	4.01E-67	2.17E-66	-0.1595	chr4_1535	sig	hypo
chr4	1541801	1542000	*	9.03E-34	3.02E-33	-0.1014	chr4_1541	sig	hypo
chr4	1561201	1561400	*	1.62E-42	6.30E-42	-0.1579	chr4_1561	sig	hypo
chr4	1568801	1569000	*	5.27E-87	3.57E-86	-0.1713	chr4_1568	sig	hypo
chr4	1576201	1576400	*	9.69E-81	6.17E-80	-0.12676	chr4_1576	sig	hypo
chr4	1577601	1577800	*	2.29E-22	5.92E-22	0.100823	chr4_1577	sig	hyper
chr4	1599201	1599400	*	1.52E-37	5.43E-37	-0.10221	chr4_1599	sig	hypo
chr4	1602801	1603000	*	1.64E-33	5.45E-33	-0.18052	chr4_1602	sig	hypo
chr4	1640201	1640400	*	5.84E-67	3.16E-66	-0.17308	chr4_1640	sig	hypo

chr4	1718201	1718400	*	2.50E-50	1.09E-49	-0.10946	chr4_1718	sig	hypo
chr4	2458601	2458800	*	1.30E-51	5.74E-51	-0.1853	chr4_2458	sig	hypo
chr4	2812201	2812400	*	1.80E-42	6.97E-42	-0.13511	chr4_2812	sig	hypo
chr4	3253201	3253400	*	3.85E-70	2.16E-69	-0.11138	chr4_3253	sig	hypo
chr4	3263401	3263600	*	3.42E-109	2.96E-108	-0.18194	chr4_3263	sig	hypo
chr4	3287001	3287200	*	1.33E-36	4.67E-36	-0.11167	chr4_3287	sig	hypo
chr4	3307601	3307800	*	7.75E-19	1.83E-18	-0.10826	chr4_3307	sig	hypo
chr4	3311801	3312000	*	1.40E-34	4.74E-34	-0.12272	chr4_3311	sig	hypo
chr4	3370201	3370400	*	2.45E-68	1.35E-67	0.141089	chr4_3370	sig	hyper
chr4	3436801	3437000	*	6.66E-37	2.35E-36	-0.1245	chr4_3436	sig	hypo
chr4	3449401	3449600	*	3.30E-30	1.03E-29	-0.1018	chr4_3449	sig	hypo
chr4	3470401	3470600	*	1.02E-23	2.74E-23	-0.10516	chr4_3470	sig	hypo
chr4	3596001	3596200	*	3.20E-49	1.37E-48	-0.10688	chr4_3596	sig	hypo
chr4	3649601	3649800	*	2.93E-234	8.92E-233	-0.23509	chr4_3649	sig	hypo
chr4	3662401	3662600	*	6.45E-47	2.68E-46	-0.10519	chr4_3662	sig	hypo
chr4	3675601	3675800	*	1.47E-113	1.34E-112	-0.20481	chr4_3675	sig	hypo
chr4	3689401	3689600	*	7.43E-124	7.58E-123	-0.19728	chr4_3689	sig	hypo
chr4	3690001	3690200	*	3.54E-70	2.00E-69	-0.11116	chr4_3690	sig	hypo
chr4	3744201	3744400	*	3.99E-68	2.19E-67	0.126744	chr4_3744	sig	hyper
chr4	3766801	3767000	*	0	0	0.277449	chr4_3766	sig	hyper
chr4	3767801	3768000	*	6.22E-127	6.55E-126	0.207466	chr4_3767	sig	hyper
chr4	3772001	3772200	*	4.27E-50	1.85E-49	-0.16666	chr4_3772	sig	hypo
chr4	3774601	3774800	*	2.02E-46	8.34E-46	-0.14151	chr4_3774	sig	hypo
chr4	3872001	3872200	*	1.01E-118	9.75E-118	0.193191	chr4_3872	sig	hyper
chr4	3872201	3872400	*	4.27E-136	4.96E-135	0.1393	chr4_3872	sig	hyper
chr4	3879801	3880000	*	6.62E-82	4.26E-81	0.143838	chr4_3879	sig	hyper
chr4	4034201	4034400	*	1.45E-67	7.90E-67	-0.1828	chr4_4034	sig	hypo
chr4	4226401	4226600	*	2.75E-236	8.50E-235	0.214336	chr4_4226	sig	hyper
chr4	4339601	4339800	*	4.34E-17	9.74E-17	0.108896	chr4_4339	sig	hyper
chr4	4763401	4763600	*	6.13E-49	2.62E-48	0.147956	chr4_4763	sig	hyper
chr4	4858001	4858200	*	0	0	0.287233	chr4_4858	sig	hyper
chr4	4858201	4858400	*	0	0	0.291193	chr4_4858	sig	hyper
chr4	4862401	4862600	*	2.28E-105	1.90E-104	0.21789	chr4_4862	sig	hyper
chr4	4864601	4864800	*	1.04E-73	6.08E-73	0.185698	chr4_4864	sig	hyper
chr4	4866601	4866800	*	3.78E-128	4.02E-127	0.111181	chr4_4866	sig	hyper
chr4	4869601	4869800	*	4.31E-47	1.79E-46	0.104111	chr4_4869	sig	hyper
chr4	4872201	4872400	*	6.27E-117	5.93E-116	0.198823	chr4_4872	sig	hyper
chr4	5710801	5711000	*	5.37E-97	4.07E-96	0.296557	chr4_5710	sig	hyper
chr4	5890401	5890600	*	4.75E-132	5.28E-131	0.278764	chr4_5890	sig	hyper
chr4	5893201	5893400	*	7.08E-260	2.73E-258	0.359089	chr4_5893	sig	hyper
chr4	6008401	6008600	*	8.09E-64	4.19E-63	0.155777	chr4_6008	sig	hyper
chr4	6035601	6035800	*	2.88E-39	1.06E-38	-0.1104	chr4_6035	sig	hypo
chr4	6121401	6121600	*	8.23E-36	2.85E-35	-0.11047	chr4_6121	sig	hypo
chr4	6233801	6234000	*	2.32E-40	8.70E-40	-0.11295	chr4_6233	sig	hypo
chr4	6322801	6323000	*	1.48E-129	1.60E-128	-0.26813	chr4_6322	sig	hypo
chr4	6329401	6329600	*	8.71E-32	2.81E-31	-0.1106	chr4_6329	sig	hypo
chr4	6329601	6329800	*	7.06E-53	3.18E-52	-0.18613	chr4_6329	sig	hypo
chr4	6369201	6369400	*	3.10E-39	1.14E-38	-0.14044	chr4_6369	sig	hypo
chr4	6566201	6566400	*	1.99E-23	5.31E-23	-0.1189	chr4_6566	sig	hypo
chr4	6663801	6664000	*	5.19E-155	7.26E-154	0.276014	chr4_6663	sig	hyper
chr4	6689001	6689200	*	8.85E-109	7.62E-108	-0.1029	chr4_6689	sig	hypo
chr4	6693801	6694000	*	0	0	-0.36244	chr4_6693	sig	hypo
chr4	6730601	6730800	*	4.47E-54	2.05E-53	-0.12818	chr4_6730	sig	hypo
chr4	6753201	6753400	*	2.14E-52	9.56E-52	-0.11546	chr4_6753	sig	hypo
chr4	7129401	7129600	*	3.91E-81	2.50E-80	-0.15707	chr4_7129	sig	hypo
chr4	7193201	7193400	*	1.50E-210	3.60E-209	0.165483	chr4_7193	sig	hyper

chr4	7288001	7288200	*	3.47E-53	1.57E-52	-0.12655	chr4_7288	sig	hypo
chr4	7299201	7299400	*	5.40E-37	1.91E-36	-0.11548	chr4_7299	sig	hypo
chr4	7299801	7300000	*	4.45E-60	2.20E-59	-0.16518	chr4_7299	sig	hypo
chr4	7425601	7425800	*	1.64E-31	5.24E-31	-0.1098	chr4_7425	sig	hypo
chr4	7481801	7482000	*	1.21E-60	6.02E-60	-0.17389	chr4_7481	sig	hypo
chr4	7647801	7648000	*	1.31E-27	3.86E-27	-0.11627	chr4_7647	sig	hypo
chr4	7735001	7735200	*	3.13E-104	2.57E-103	-0.16771	chr4_7735	sig	hypo
chr4	7772601	7772800	*	3.40E-30	1.06E-29	0.10065	chr4_7772	sig	hyper
chr4	7772801	7773000	*	1.39E-82	9.04E-82	0.189877	chr4_7772	sig	hyper
chr4	7778601	7778800	*	1.14E-77	7.00E-77	0.161221	chr4_7778	sig	hyper
chr4	7965601	7965800	*	1.73E-41	6.60E-41	-0.10665	chr4_7965	sig	hypo
chr4	7983401	7983600	*	4.79E-162	7.16E-161	0.234202	chr4_7983	sig	hyper
chr4	8191601	8191800	*	1.02E-288	5.11E-287	-0.32954	chr4_8191	sig	hypo
chr4	8260801	8261000	*	1.63E-34	5.51E-34	-0.11108	chr4_8260	sig	hypo
chr4	8261201	8261400	*	6.03E-51	2.65E-50	-0.10222	chr4_8261	sig	hypo
chr4	8344401	8344600	*	3.69E-38	1.33E-37	-0.10407	chr4_8344	sig	hypo
chr4	8388001	8388200	*	2.06E-49	8.88E-49	-0.10001	chr4_8388	sig	hypo
chr4	8411001	8411200	*	4.11E-26	1.17E-25	-0.11344	chr4_8411	sig	hypo
chr4	8619601	8619800	*	3.01E-29	9.17E-29	-0.10716	chr4_8619	sig	hypo
chr4	8644001	8644200	*	8.16E-67	4.40E-66	-0.12771	chr4_8644	sig	hypo
chr4	8649201	8649400	*	2.26E-33	7.51E-33	0.123955	chr4_8649	sig	hyper
chr4	8942401	8942600	*	1.36E-27	3.99E-27	-0.10842	chr4_8942	sig	hypo
chr4	9533601	9533800	*	8.09E-22	2.06E-21	-0.11702	chr4_9533	sig	hypo
chr4	9781201	9781400	*	7.06E-78	4.34E-77	0.233205	chr4_9781	sig	hyper
chr4	10457601	10457800	*	1.77E-82	1.15E-81	0.168698	chr4_1045	sig	hyper
chr4	10458201	10458400	*	1.44E-112	1.30E-111	-0.23629	chr4_1045	sig	hypo
chr4	10461201	10461400	*	9.31E-98	7.12E-97	0.2508	chr4_1046	sig	hyper
chr4	10461601	10461800	*	2.25E-180	3.99E-179	0.312063	chr4_1046	sig	hyper
chr4	11368601	11368800	*	7.35E-51	3.22E-50	0.149277	chr4_1136	sig	hyper
chr4	11427201	11427400	*	8.33E-40	3.10E-39	0.145818	chr4_1142	sig	hyper
chr4	11427801	11428000	*	1.47E-222	3.92E-221	0.333135	chr4_1142	sig	hyper
chr4	11428001	11428200	*	6.26E-62	3.17E-61	0.304908	chr4_1142	sig	hyper
chr4	13524801	13525000	*	2.17E-97	1.65E-96	0.203905	chr4_1352	sig	hyper
chr4	13525001	13525200	*	0	0	0.213534	chr4_1352	sig	hyper
chr4	13528201	13528400	*	2.53E-194	5.16E-193	0.194295	chr4_1352	sig	hyper
chr4	13528601	13528800	*	7.74E-274	3.32E-272	0.236753	chr4_1352	sig	hyper
chr4	13529401	13529600	*	0.00E+00	0.00E+00	0.231574	chr4_1352	sig	hyper
chr4	13530801	13531000	*	8.72E-33	2.87E-32	0.121096	chr4_1353	sig	hyper
chr4	13531401	13531600	*	2.14E-12	4.07E-12	0.104805	chr4_1353	sig	hyper
chr4	13534801	13535000	*	1.78E-154	2.47E-153	0.221884	chr4_1353	sig	hyper
chr4	13535201	13535400	*	2.25E-151	3.05E-150	0.235488	chr4_1353	sig	hyper
chr4	13535401	13535600	*	1.56E-52	6.99E-52	0.13368	chr4_1353	sig	hyper
chr4	13536001	13536200	*	3.15E-64	1.64E-63	0.110615	chr4_1353	sig	hyper
chr4	13536201	13536400	*	4.87E-127	5.14E-126	0.164847	chr4_1353	sig	hyper
chr4	13537001	13537200	*	2.63E-43	1.03E-42	0.121495	chr4_1353	sig	hyper
chr4	13538601	13538800	*	1.46E-23	3.90E-23	0.112744	chr4_1353	sig	hyper
chr4	13543601	13543800	*	9.38E-133	1.05E-131	0.242906	chr4_1354	sig	hyper
chr4	13546601	13546800	*	7.76E-25	2.15E-24	0.119545	chr4_1354	sig	hyper
chr4	15787601	15787800	*	0	0	-0.33919	chr4_1578	sig	hypo
chr4	17781601	17781800	*	2.87E-159	4.18E-158	0.225334	chr4_1778	sig	hyper
chr4	17781801	17782000	*	2.02E-60	1.00E-59	0.243338	chr4_1778	sig	hyper
chr4	20252801	20253000	*	1.74E-96	1.32E-95	0.156899	chr4_2025	sig	hyper
chr4	20253001	20253200	*	1.70E-68	9.39E-68	0.215762	chr4_2025	sig	hyper
chr4	20255201	20255400	*	4.07E-47	1.70E-46	0.171583	chr4_2025	sig	hyper
chr4	21304201	21304400	*	0	0	0.253692	chr4_2130	sig	hyper
chr4	21304401	21304600	*	0	0	0.273483	chr4_2130	sig	hyper

chr4	21949201	21949400	*	8.02E-36	2.78E-35	0.116494	chr4_2194	sig	hyper
chr4	21949401	21949600	*	2.70E-28	8.05E-28	0.106601	chr4_2194	sig	hyper
chr4	30721601	30721800	*	7.73E-158	1.11E-156	0.297676	chr4_3072	sig	hyper
chr4	30723201	30723400	*	1.19E-216	3.00E-215	0.281669	chr4_3072	sig	hyper
chr4	41359601	41359800	*	2.52E-110	2.21E-109	-0.3039	chr4_4135	sig	hypo
chr4	41744801	41745000	*	1.38E-82	8.98E-82	0.284552	chr4_4174	sig	hyper
chr4	41747201	41747400	*	4.60E-304	2.66E-302	0.381675	chr4_4174	sig	hyper
chr4	41748201	41748400	*	3.46E-182	6.25E-181	0.250151	chr4_4174	sig	hyper
chr4	41751801	41752000	*	7.04E-36	2.44E-35	0.103865	chr4_4175	sig	hyper
chr4	41752001	41752200	*	2.03E-74	1.20E-73	0.233495	chr4_4175	sig	hyper
chr4	41867201	41867400	*	7.73E-59	3.77E-58	0.111461	chr4_4186	sig	hyper
chr4	41867401	41867600	*	1.26E-156	1.79E-155	0.192842	chr4_4186	sig	hyper
chr4	41873401	41873600	*	1.38E-140	1.67E-139	0.272556	chr4_4187	sig	hyper
chr4	41879201	41879400	*	1.28E-87	8.76E-87	0.250043	chr4_4187	sig	hyper
chr4	41879801	41880000	*	9.13E-97	6.91E-96	0.187478	chr4_4187	sig	hyper
chr4	41880601	41880800	*	1.57E-47	6.59E-47	0.106693	chr4_4188	sig	hyper
chr4	41880801	41881000	*	7.08E-142	8.69E-141	0.208864	chr4_4188	sig	hyper
chr4	41881001	41881200	*	2.99E-215	7.41E-214	0.231111	chr4_4188	sig	hyper
chr4	41882401	41882600	*	3.57E-92	2.56E-91	0.239755	chr4_4188	sig	hyper
chr4	42152801	42153000	*	0	0	0.318775	chr4_4215	sig	hyper
chr4	42398601	42398800	*	1.53E-51	6.75E-51	0.120971	chr4_4239	sig	hyper
chr4	44447601	44447800	*	0	0	0.284503	chr4_4444	sig	hyper
chr4	48484001	48484200	*	7.03E-82	4.53E-81	0.16741	chr4_4848	sig	hyper
chr4	48484201	48484400	*	4.13E-121	4.08E-120	0.183098	chr4_4848	sig	hyper
chr4	48484401	48484600	*	3.44E-14	7.01E-14	0.156213	chr4_4848	sig	hyper
chr4	52052201	52052400	*	1.30E-78	8.05E-78	-0.14873	chr4_5205	sig	hypo
chr4	52076801	52077000	*	2.76E-241	9.01E-240	0.227035	chr4_5207	sig	hyper
chr4	52077001	52077200	*	2.39E-162	3.59E-161	0.258323	chr4_5207	sig	hyper
chr4	52862601	52862800	*	1.05E-42	4.11E-42	0.160639	chr4_5286	sig	hyper
chr4	54094001	54094200	*	8.17E-51	3.58E-50	0.196989	chr4_5409	sig	hyper
chr4	54101201	54101400	*	2.56E-285	1.22E-283	0.331532	chr4_5410	sig	hyper
chr4	54103401	54103600	*	4.73E-35	1.62E-34	0.129412	chr4_5410	sig	hyper
chr4	54103801	54104000	*	5.92E-46	2.42E-45	0.142835	chr4_5410	sig	hyper
chr4	54104001	54104200	*	2.07E-105	1.73E-104	0.216406	chr4_5410	sig	hyper
chr4	54108401	54108600	*	5.97E-25	1.66E-24	0.153546	chr4_5410	sig	hyper
chr4	54109401	54109600	*	2.63E-45	1.06E-44	0.108992	chr4_5410	sig	hyper
chr4	54231201	54231400	*	1.64E-96	1.24E-95	0.129124	chr4_5423	sig	hyper
chr4	54231801	54232000	*	8.42E-81	5.36E-80	0.20014	chr4_5423	sig	hyper
chr4	54232201	54232400	*	2.70E-139	3.23E-138	0.166538	chr4_5423	sig	hyper
chr4	55125201	55125400	*	2.50E-153	3.43E-152	0.295838	chr4_5512	sig	hyper
chr4	55157601	55157800	*	5.11E-137	5.98E-136	0.265424	chr4_5515	sig	hyper
chr4	55157801	55158000	*	5.45E-127	5.75E-126	0.243693	chr4_5515	sig	hyper
chr4	55793601	55793800	*	3.59E-86	2.42E-85	0.200468	chr4_5579	sig	hyper
chr4	55794201	55794400	*	4.96E-65	2.62E-64	0.105258	chr4_5579	sig	hyper
chr4	56505201	56505400	*	8.74E-29	2.63E-28	-0.12502	chr4_5650	sig	hypo
chr4	56506201	56506400	*	5.96E-40	2.22E-39	0.126855	chr4_5650	sig	hyper
chr4	56656601	56656800	*	1.95E-27	5.70E-27	0.125038	chr4_5665	sig	hyper
chr4	61200001	61200200	*	2.76E-74	1.63E-73	0.209125	chr4_6120	sig	hyper
chr4	61201601	61201800	*	3.62E-284	1.70E-282	0.296229	chr4_6120	sig	hyper
chr4	65668201	65668400	*	1.12E-51	4.94E-51	0.164933	chr4_6566	sig	hyper
chr4	65668401	65668600	*	7.34E-145	9.30E-144	0.218005	chr4_6566	sig	hyper
chr4	65669401	65669600	*	4.13E-212	1.00E-210	0.297864	chr4_6566	sig	hyper
chr4	65670601	65670800	*	3.24E-64	1.69E-63	0.139742	chr4_6567	sig	hyper
chr4	65670801	65671000	*	1.08E-218	2.75E-217	0.15548	chr4_6567	sig	hyper
chr4	72031801	72032000	*	3.16E-98	2.43E-97	0.209013	chr4_7203	sig	hyper
chr4	72032001	72032200	*	5.91E-162	8.83E-161	0.278726	chr4_7203	sig	hyper

chr4	73853201	73853400	*	3.37E-53	1.53E-52	-0.13697	chr4_7385	sig	hypo
chr4	73998401	73998600	*	4.84E-100	3.80E-99	0.150772	chr4_7399	sig	hyper
chr4	74364601	74364800	*	1.73E-111	1.53E-110	0.269116	chr4_7436	sig	hyper
chr4	80185001	80185200	*	8.92E-185	1.65E-183	0.16289	chr4_8018	sig	hyper
chr4	80185201	80185400	*	6.38E-115	5.90E-114	0.176929	chr4_8018	sig	hyper
chr4	80185401	80185600	*	1.61E-92	1.16E-91	0.230327	chr4_8018	sig	hyper
chr4	80185601	80185800	*	1.29E-141	1.58E-140	0.27063	chr4_8018	sig	hyper
chr4	80190201	80190400	*	3.82E-37	1.35E-36	0.132469	chr4_8019	sig	hyper
chr4	80197001	80197200	*	8.66E-105	7.17E-104	0.159685	chr4_8019	sig	hyper
chr4	80207401	80207600	*	3.75E-42	1.45E-41	0.157428	chr4_8020	sig	hyper
chr4	80265801	80266000	*	5.40E-267	2.20E-265	0.256518	chr4_8026	sig	hyper
chr4	80266001	80266200	*	1.24E-253	4.57E-252	0.258409	chr4_8026	sig	hyper
chr4	80267201	80267400	*	1.32E-256	4.96E-255	0.265002	chr4_8026	sig	hyper
chr4	80268601	80268800	*	5.09E-304	2.93E-302	0.279909	chr4_8026	sig	hyper
chr4	81215601	81215800	*	2.69E-89	1.87E-88	0.147878	chr4_8121	sig	hyper
chr4	84481201	84481400	*	5.69E-156	8.03E-155	0.143234	chr4_8448	sig	hyper
chr4	84482001	84482200	*	6.11E-81	3.90E-80	0.115674	chr4_8448	sig	hyper
chr4	84495601	84495800	*	1.28E-120	1.26E-119	0.203864	chr4_8449	sig	hyper
chr4	84495801	84496000	*	7.05E-71	4.00E-70	0.240045	chr4_8449	sig	hyper
chr4	84496001	84496200	*	2.89E-85	1.93E-84	0.138169	chr4_8449	sig	hyper
chr4	84496401	84496600	*	1.18E-101	9.41E-101	0.216761	chr4_8449	sig	hyper
chr4	84497201	84497400	*	8.54E-144	1.07E-142	0.16377	chr4_8449	sig	hyper
chr4	84501001	84501200	*	7.76E-84	5.11E-83	0.173055	chr4_8450	sig	hyper
chr4	84501201	84501400	*	2.27E-148	2.99E-147	0.237848	chr4_8450	sig	hyper
chr4	84502001	84502200	*	1.18E-64	6.22E-64	0.106986	chr4_8450	sig	hyper
chr4	84503001	84503200	*	1.31E-87	8.93E-87	0.177212	chr4_8450	sig	hyper
chr4	88457601	88457800	*	3.48E-38	1.26E-37	0.102825	chr4_8845	sig	hyper
chr4	88697801	88698000	*	1.45E-91	1.04E-90	0.131491	chr4_8869	sig	hyper
chr4	89836201	89836400	*	2.53E-72	1.46E-71	0.138463	chr4_8983	sig	hyper
chr4	89836401	89836600	*	2.60E-244	8.69E-243	0.309563	chr4_8983	sig	hyper
chr4	89837001	89837200	*	1.54E-68	8.48E-68	0.109107	chr4_8983	sig	hyper
chr4	89837601	89837800	*	8.55E-180	1.51E-178	0.165187	chr4_8983	sig	hyper
chr4	92305201	92305400	*	1.21E-63	6.26E-63	0.142147	chr4_9230	sig	hyper
chr4	92305401	92305600	*	5.62E-151	7.59E-150	0.183289	chr4_9230	sig	hyper
chr4	92305801	92306000	*	1.82E-95	1.35E-94	0.202072	chr4_9230	sig	hyper
chr4	93834601	93834800	*	1.79E-35	6.17E-35	0.160134	chr4_9383	sig	hyper
chr4	95547801	95548000	*	1.73E-175	2.96E-174	0.26103	chr4_9554	sig	hyper
chr4	95548001	95548200	*	0	0	0.292905	chr4_9554	sig	hyper
chr4	95548401	95548600	*	0	0	0.29246	chr4_9554	sig	hyper
chr4	95549801	95550000	*	8.97E-287	4.33E-285	0.222121	chr4_9554	sig	hyper
chr4	100190001	100190200	*	9.11E-78	5.59E-77	0.106601	chr4_1001	sig	hyper
chr4	103719201	103719400	*	6.39E-75	3.81E-74	0.197459	chr4_1037	sig	hyper
chr4	103719801	103720000	*	6.83E-125	7.04E-124	0.248686	chr4_1037	sig	hyper
chr4	103720001	103720200	*	1.53E-238	4.86E-237	0.248456	chr4_1037	sig	hyper
chr4	107035801	107036000	*	0	0	0.388037	chr4_1070	sig	hyper
chr4	107037201	107037400	*	1.80E-288	8.92E-287	0.277799	chr4_1070	sig	hyper
chr4	109302001	109302200	*	1.67E-273	7.15E-272	0.24128	chr4_1093	sig	hyper
chr4	109302401	109302600	*	0	0	0.243405	chr4_1093	sig	hyper
chr4	109302601	109302800	*	0	0	0.264971	chr4_1093	sig	hyper
chr4	110612601	110612800	*	0	0	0.259263	chr4_1106	sig	hyper
chr4	110614201	110614400	*	1.57E-156	2.23E-155	0.311223	chr4_1106	sig	hyper
chr4	110614401	110614600	*	1.26E-192	2.53E-191	0.360952	chr4_1106	sig	hyper
chr4	110618201	110618400	*	0	0	0.230814	chr4_1106	sig	hyper
chr4	110626801	110627000	*	6.77E-82	4.36E-81	0.198082	chr4_1106	sig	hyper
chr4	110628801	110629000	*	3.75E-281	1.71E-279	0.337748	chr4_1106	sig	hyper
chr4	110630601	110630800	*	0	0	0.298477	chr4_1106	sig	hyper

chr4	110630801	110631000	*	0	0	0.270689	chr4_1106	sig	hyper
chr4	110631001	110631200	*	4.09E-190	8.07E-189	0.239745	chr4_1106	sig	hyper
chr4	110633201	110633400	*	6.50E-181	1.16E-179	0.325815	chr4_1106	sig	hyper
chr4	110633801	110634000	*	9.05E-263	3.54E-261	0.308188	chr4_1106	sig	hyper
chr4	110639801	110640000	*	7.70E-161	1.14E-159	0.343458	chr4_1106	sig	hyper
chr4	110641201	110641400	*	5.18E-169	8.35E-168	0.272115	chr4_1106	sig	hyper
chr4	112510601	112510800	*	5.79E-54	2.65E-53	0.101498	chr4_1125	sig	hyper
chr4	112511401	112511600	*	9.74E-161	1.44E-159	0.185954	chr4_1125	sig	hyper
chr4	112520401	112520600	*	1.81E-237	5.70E-236	0.209082	chr4_1125	sig	hyper
chr4	114597801	114598000	*	7.86E-29	2.37E-28	-0.1112	chr4_1145	sig	hypo
chr4	116925801	116926000	*	2.37E-75	1.42E-74	0.201581	chr4_1169	sig	hyper
chr4	121380401	121380600	*	0	0	0.297102	chr4_1213	sig	hyper
chr4	121380801	121381000	*	1.22E-79	7.67E-79	0.247965	chr4_1213	sig	hyper
chr4	121381001	121381200	*	4.25E-88	2.92E-87	0.20799	chr4_1213	sig	hyper
chr4	121764401	121764600	*	4.21E-84	2.78E-83	0.245685	chr4_1217	sig	hyper
chr4	121765001	121765200	*	5.48E-163	8.27E-162	0.203913	chr4_1217	sig	hyper
chr4	121765201	121765400	*	6.68E-275	2.89E-273	0.313806	chr4_1217	sig	hyper
chr4	121765401	121765600	*	8.05E-91	5.70E-90	0.192053	chr4_1217	sig	hyper
chr4	123547601	123547800	*	4.20E-42	1.62E-41	-0.13248	chr4_1235	sig	hypo
chr4	125316201	125316400	*	2.02E-156	2.86E-155	0.245956	chr4_1253	sig	hyper
chr4	125316401	125316600	*	1.97E-146	2.54E-145	0.269315	chr4_1253	sig	hyper
chr4	125316801	125317000	*	7.06E-98	5.40E-97	0.232992	chr4_1253	sig	hyper
chr4	125317001	125317200	*	1.56E-264	6.21E-263	0.296995	chr4_1253	sig	hyper
chr4	125317601	125317800	*	3.51E-219	9.05E-218	0.246232	chr4_1253	sig	hyper
chr4	133147401	133147600	*	2.51E-165	3.89E-164	0.295575	chr4_1331	sig	hyper
chr4	133148001	133148200	*	0	0	0.283012	chr4_1331	sig	hyper
chr4	133148201	133148400	*	0	0	0.303486	chr4_1331	sig	hyper
chr4	133148401	133148600	*	1.08E-245	3.70E-244	0.35509	chr4_1331	sig	hyper
chr4	133151601	133151800	*	0	0	0.340368	chr4_1331	sig	hyper
chr4	134201201	134201400	*	1.75E-55	8.18E-55	0.258609	chr4_1342	sig	hyper
chr4	139279401	139279600	*	8.28E-226	2.29E-224	0.209742	chr4_1392	sig	hyper
chr4	139279601	139279800	*	6.76E-131	7.40E-130	0.208703	chr4_1392	sig	hyper
chr4	139280001	139280200	*	2.43E-36	8.49E-36	0.111356	chr4_1392	sig	hyper
chr4	140426801	140427000	*	1.12E-184	2.06E-183	0.213334	chr4_1404	sig	hyper
chr4	143912001	143912200	*	6.35E-89	4.41E-88	0.251425	chr4_1439	sig	hyper
chr4	143912201	143912400	*	2.29E-145	2.92E-144	0.280738	chr4_1439	sig	hyper
chr4	144645201	144645400	*	2.71E-95	2.01E-94	0.224881	chr4_1446	sig	hyper
chr4	146243601	146243800	*	3.71E-33	1.23E-32	0.117146	chr4_1462	sig	hyper
chr4	146633001	146633200	*	5.61E-57	2.67E-56	0.239854	chr4_1466	sig	hyper
chr4	146637001	146637200	*	2.73E-117	2.59E-116	0.250707	chr4_1466	sig	hyper
chr4	146637201	146637400	*	1.90E-241	6.22E-240	0.298658	chr4_1466	sig	hyper
chr4	146639001	146639200	*	2.64E-273	1.12E-271	0.358173	chr4_1466	sig	hyper
chr4	146640601	146640800	*	0	0	0.307704	chr4_1466	sig	hyper
chr4	150256801	150257000	*	4.08E-39	1.50E-38	-0.11385	chr4_1502	sig	hypo
chr4	150579801	150580000	*	8.34E-60	4.12E-59	0.190972	chr4_1505	sig	hyper
chr4	150583801	150584000	*	1.14E-161	1.70E-160	0.143667	chr4_1505	sig	hyper
chr4	153488801	153489000	*	1.52E-82	9.89E-82	0.144857	chr4_1534	sig	hyper
chr4	153789201	153789400	*	8.67E-170	1.41E-168	0.238068	chr4_1537	sig	hyper
chr4	153789601	153789800	*	4.25E-288	2.10E-286	0.276623	chr4_1537	sig	hyper
chr4	153789801	153790000	*	1.48E-65	7.87E-65	0.125149	chr4_1537	sig	hyper
chr4	153790401	153790600	*	6.17E-43	2.41E-42	0.154285	chr4_1537	sig	hyper
chr4	153792001	153792200	*	1.05E-126	1.11E-125	0.248174	chr4_1537	sig	hyper
chr4	153792201	153792400	*	2.76E-120	2.70E-119	0.169082	chr4_1537	sig	hyper
chr4	153792401	153792600	*	4.87E-77	2.97E-76	0.122225	chr4_1537	sig	hyper
chr4	154333001	154333200	*	2.68E-109	2.33E-108	0.138434	chr4_1543	sig	hyper
chr4	154333201	154333400	*	1.59E-168	2.54E-167	0.182773	chr4_1543	sig	hyper

chr4	154491201	154491400	*	1.36E-141	1.67E-140	0.195181	chr4_1544	sig	hyper
chr4	154740801	154741000	*	3.74E-27	1.09E-26	0.113783	chr4_1547	sig	hyper
chr4	154741201	154741400	*	0	0	0.297613	chr4_1547	sig	hyper
chr4	154741801	154742000	*	1.33E-93	9.70E-93	0.168024	chr4_1547	sig	hyper
chr4	154742001	154742200	*	2.99E-195	6.16E-194	0.244049	chr4_1547	sig	hyper
chr4	154742401	154742600	*	0	0	0.283328	chr4_1547	sig	hyper
chr4	154742601	154742800	*	2.12E-138	2.51E-137	0.235643	chr4_1547	sig	hyper
chr4	154743001	154743200	*	1.76E-136	2.05E-135	0.282969	chr4_1547	sig	hyper
chr4	154744601	154744800	*	1.25E-144	1.58E-143	0.286877	chr4_1547	sig	hyper
chr4	155376401	155376600	*	2.70E-168	4.30E-167	0.292073	chr4_1553	sig	hyper
chr4	155376801	155377000	*	1.25E-244	4.21E-243	0.212039	chr4_1553	sig	hyper
chr4	155667001	155667200	*	2.63E-189	5.13E-188	0.151307	chr4_1556	sig	hyper
chr4	155667201	155667400	*	3.09E-178	5.40E-177	0.147122	chr4_1556	sig	hyper
chr4	155668001	155668200	*	6.90E-161	1.02E-159	0.173343	chr4_1556	sig	hyper
chr4	155758801	155759000	*	1.04E-111	9.24E-111	0.256223	chr4_1557	sig	hyper
chr4	155760201	155760400	*	8.02E-206	1.85E-204	0.211099	chr4_1557	sig	hyper
chr4	157220201	157220400	*	4.35E-114	3.98E-113	0.23082	chr4_1572	sig	hyper
chr4	157222601	157222800	*	9.12E-112	8.11E-111	0.253133	chr4_1572	sig	hyper
chr4	157222801	157223000	*	8.17E-37	2.88E-36	0.193163	chr4_1572	sig	hyper
chr4	158170801	158171000	*	1.61E-36	5.65E-36	0.126397	chr4_1581	sig	hyper
chr4	160481801	160482000	*	6.03E-28	1.79E-27	-0.12546	chr4_1604	sig	hypo
chr4	164383201	164383400	*	0	0	0.32043	chr4_1643	sig	hyper
chr4	164384001	164384200	*	8.82E-83	5.74E-82	0.22469	chr4_1643	sig	hyper
chr4	165874001	165874200	*	8.61E-162	1.28E-160	0.229157	chr4_1658	sig	hyper
chr4	165874401	165874600	*	3.08E-162	4.62E-161	0.299439	chr4_1658	sig	hyper
chr4	167234001	167234200	*	4.72E-216	1.18E-214	0.234967	chr4_1672	sig	hyper
chr4	168877601	168877800	*	1.89E-37	6.73E-37	0.179801	chr4_1688	sig	hyper
chr4	168877801	168878000	*	1.60E-38	5.81E-38	0.163735	chr4_1688	sig	hyper
chr4	171812401	171812600	*	4.21E-93	3.06E-92	0.228385	chr4_1718	sig	hyper
chr4	171812601	171812800	*	7.94E-70	4.45E-69	0.194232	chr4_1718	sig	hyper
chr4	171813001	171813200	*	4.02E-244	1.34E-242	0.277586	chr4_1718	sig	hyper
chr4	171813201	171813400	*	3.83E-211	9.23E-210	0.355198	chr4_1718	sig	hyper
chr4	171813601	171813800	*	4.01E-229	1.16E-227	0.3129	chr4_1718	sig	hyper
chr4	173500201	173500400	*	3.80E-84	2.51E-83	0.168713	chr4_1735	sig	hyper
chr4	173501201	173501400	*	3.30E-59	1.62E-58	0.160446	chr4_1735	sig	hyper
chr4	173509801	173510000	*	1.50E-36	5.27E-36	0.214836	chr4_1735	sig	hyper
chr4	173517801	173518000	*	7.19E-54	3.28E-53	0.110103	chr4_1735	sig	hyper
chr4	173518601	173518800	*	6.73E-124	6.87E-123	0.301305	chr4_1735	sig	hyper
chr4	173519401	173519600	*	0	0	0.253942	chr4_1735	sig	hyper
chr4	173522601	173522800	*	1.46E-91	1.04E-90	0.148666	chr4_1735	sig	hyper
chr4	173524001	173524200	*	1.12E-101	8.93E-101	0.225089	chr4_1735	sig	hyper
chr4	173527401	173527600	*	1.36E-207	3.19E-206	0.236692	chr4_1735	sig	hyper
chr4	173528401	173528600	*	2.88E-31	9.18E-31	0.155654	chr4_1735	sig	hyper
chr4	173528801	173529000	*	3.62E-287	1.76E-285	0.314225	chr4_1735	sig	hyper
chr4	173530001	173530200	*	0	0	0.246194	chr4_1735	sig	hyper
chr4	173531201	173531400	*	0	0	0.236249	chr4_1735	sig	hyper
chr4	173531601	173531800	*	1.26E-83	8.29E-83	0.163988	chr4_1735	sig	hyper
chr4	173531801	173532000	*	1.80E-33	5.99E-33	0.122609	chr4_1735	sig	hyper
chr4	173532001	173532200	*	5.52E-42	2.13E-41	0.143343	chr4_1735	sig	hyper
chr4	173538001	173538200	*	2.83E-81	1.82E-80	0.278609	chr4_1735	sig	hyper
chr4	173538801	173539000	*	6.19E-91	4.39E-90	0.117861	chr4_1735	sig	hyper
chr4	174217801	174218000	*	2.78E-73	1.62E-72	0.169657	chr4_1742	sig	hyper
chr4	175428601	175428800	*	1.04E-30	3.27E-30	-0.17844	chr4_1754	sig	hypo
chr4	176001401	176001600	*	9.69E-137	1.13E-135	0.314904	chr4_1760	sig	hyper
chr4	176001601	176001800	*	9.00E-188	1.72E-186	0.242223	chr4_1760	sig	hyper
chr4	176001801	176002000	*	9.65E-94	7.04E-93	0.223295	chr4_1760	sig	hyper

chr4	176065801	176066000	*	1.88E-236	5.85E-235	0.199742	chr4_1760	sig	hyper
chr4	176066001	176066200	*	0	0	0.224687	chr4_1760	sig	hyper
chr4	176792001	176792200	*	2.71E-289	1.37E-287	0.231244	chr4_1767	sig	hyper
chr4	176792201	176792400	*	1.74E-66	9.36E-66	0.181666	chr4_1767	sig	hyper
chr4	182140601	182140800	*	2.25E-61	1.13E-60	0.182219	chr4_1821	sig	hyper
chr4	182141401	182141600	*	1.13E-120	1.12E-119	0.144468	chr4_1821	sig	hyper
chr4	182142201	182142400	*	9.73E-214	2.39E-212	0.20517	chr4_1821	sig	hyper
chr4	182142401	182142600	*	1.80E-41	6.88E-41	0.125056	chr4_1821	sig	hyper
chr4	182789201	182789400	*	5.97E-30	1.85E-29	0.109729	chr4_1827	sig	hyper
chr4	182801801	182802000	*	2.88E-74	1.70E-73	-0.17389	chr4_1828	sig	hypo
chr4	183905001	183905200	*	2.32E-100	1.83E-99	0.123738	chr4_1839	sig	hyper
chr4	184001401	184001600	*	1.93E-42	7.50E-42	-0.10478	chr4_1840	sig	hypo
chr4	185016201	185016400	*	6.08E-76	3.66E-75	0.125853	chr4_1850	sig	hyper
chr4	185018801	185019000	*	3.32E-101	2.65E-100	0.120313	chr4_1850	sig	hyper
chr4	185019001	185019200	*	1.21E-47	5.08E-47	0.137834	chr4_1850	sig	hyper
chr4	185019401	185019600	*	5.65E-120	5.52E-119	0.218336	chr4_1850	sig	hyper
chr4	185020401	185020600	*	3.33E-80	2.11E-79	0.144063	chr4_1850	sig	hyper
chr4	185021001	185021200	*	4.99E-123	5.04E-122	0.19878	chr4_1850	sig	hyper
chr4	185021401	185021600	*	1.08E-124	1.11E-123	0.12616	chr4_1850	sig	hyper
chr4	185587401	185587600	*	1.53E-41	5.85E-41	0.16512	chr4_1855	sig	hyper
chr4	186298401	186298600	*	1.15E-51	5.12E-51	0.139361	chr4_1862	sig	hyper
chr4	187995401	187995600	*	7.31E-62	3.69E-61	0.17181	chr4_1879	sig	hyper
chr4	190015601	190015800	*	7.97E-42	3.06E-41	0.142225	chr4_1900	sig	hyper
chr4	190017201	190017400	*	7.35E-85	4.89E-84	0.260984	chr4_1900	sig	hyper
chr4	190017801	190018000	*	1.35E-209	3.21E-208	0.249978	chr4_1900	sig	hyper
chr4	190018001	190018200	*	4.24E-283	1.96E-281	0.252455	chr4_1900	sig	hyper
chr4	190019201	190019400	*	3.87E-68	2.12E-67	0.212797	chr4_1900	sig	hyper
chr4	190020401	190020600	*	0	0	0.304923	chr4_1900	sig	hyper
chr5	89801	90000	*	2.19E-21	5.52E-21	-0.10709	chr5_8980	sig	hypo
chr5	95401	95600	*	2.28E-106	1.92E-105	-0.23514	chr5_9540	sig	hypo
chr5	110601	110800	*	8.53E-49	3.64E-48	-0.13327	chr5_1106	sig	hypo
chr5	143001	143200	*	7.69E-24	2.07E-23	-0.14095	chr5_1430	sig	hypo
chr5	161601	161800	*	9.18E-60	4.53E-59	-0.14225	chr5_1616	sig	hypo
chr5	172801	173000	*	2.21E-138	2.62E-137	-0.26522	chr5_1728	sig	hypo
chr5	320601	320800	*	2.17E-109	1.89E-108	0.201077	chr5_3206	sig	hyper
chr5	399601	399800	*	4.76E-38	1.71E-37	-0.10484	chr5_3996	sig	hypo
chr5	404801	405000	*	8.95E-51	3.92E-50	-0.12823	chr5_4048	sig	hypo
chr5	421401	421600	*	9.62E-37	3.39E-36	-0.10243	chr5_4214	sig	hypo
chr5	430201	430400	*	2.77E-270	1.14E-268	-0.22796	chr5_4302	sig	hypo
chr5	480001	480200	*	8.12E-36	2.82E-35	-0.10127	chr5_4800	sig	hypo
chr5	481401	481600	*	4.72E-196	9.82E-195	-0.24583	chr5_4814	sig	hypo
chr5	485201	485400	*	3.67E-38	1.32E-37	-0.1066	chr5_4852	sig	hypo
chr5	490401	490600	*	4.30E-75	2.57E-74	-0.1757	chr5_4904	sig	hypo
chr5	493001	493200	*	9.03E-62	4.56E-61	-0.21216	chr5_4930	sig	hypo
chr5	493601	493800	*	9.32E-34	3.11E-33	-0.10587	chr5_4936	sig	hypo
chr5	497201	497400	*	5.86E-43	2.29E-42	-0.12656	chr5_4972	sig	hypo
chr5	498201	498400	*	2.62E-40	9.83E-40	-0.16906	chr5_4982	sig	hypo
chr5	506201	506400	*	1.19E-25	3.36E-25	-0.12023	chr5_5062	sig	hypo
chr5	524001	524200	*	6.71E-206	1.55E-204	0.111543	chr5_5240	sig	hyper
chr5	531001	531200	*	1.45E-41	5.56E-41	0.149744	chr5_5310	sig	hyper
chr5	538601	538800	*	3.35E-75	2.00E-74	-0.17606	chr5_5386	sig	hypo
chr5	539001	539200	*	6.65E-91	4.71E-90	-0.16983	chr5_5390	sig	hypo
chr5	539201	539400	*	9.32E-79	5.81E-78	-0.18529	chr5_5392	sig	hypo
chr5	570401	570600	*	2.01E-54	9.27E-54	-0.16163	chr5_5704	sig	hypo
chr5	574001	574200	*	3.33E-90	2.34E-89	-0.13281	chr5_5740	sig	hypo
chr5	601001	601200	*	1.64E-173	2.76E-172	-0.2972	chr5_6010	sig	hypo

chr5	676201	676400	*	3.39E-63	1.74E-62	-0.13409	chr5_6762	sig	hypo
chr5	844001	844200	*	6.78E-67	3.66E-66	-0.16378	chr5_8440	sig	hypo
chr5	957401	957600	*	1.46E-57	6.98E-57	-0.11671	chr5_9574	sig	hypo
chr5	958601	958800	*	2.95E-61	1.48E-60	-0.13081	chr5_9586	sig	hypo
chr5	959001	959200	*	3.45E-64	1.79E-63	-0.1369	chr5_9590	sig	hypo
chr5	980601	980800	*	9.17E-78	5.62E-77	-0.18352	chr5_9806	sig	hypo
chr5	1003001	1003200	*	9.21E-40	3.42E-39	-0.13351	chr5_1003	sig	hypo
chr5	1073601	1073800	*	9.78E-27	2.82E-26	-0.10396	chr5_1073	sig	hypo
chr5	1089601	1089800	*	2.59E-32	8.46E-32	0.102641	chr5_1089	sig	hyper
chr5	1093601	1093800	*	1.80E-52	8.05E-52	-0.16261	chr5_1093	sig	hypo
chr5	1107001	1107200	*	3.02E-74	1.77E-73	-0.2283	chr5_1107	sig	hypo
chr5	1137601	1137800	*	1.03E-39	3.80E-39	-0.10974	chr5_1137	sig	hypo
chr5	1144401	1144600	*	1.54E-78	9.57E-78	-0.18846	chr5_1144	sig	hypo
chr5	1153601	1153800	*	2.52E-49	1.09E-48	-0.16641	chr5_1153	sig	hypo
chr5	1193801	1194000	*	1.53E-110	1.34E-109	-0.17039	chr5_1193	sig	hypo
chr5	1194001	1194200	*	5.99E-108	5.12E-107	-0.28317	chr5_1194	sig	hypo
chr5	1207201	1207400	*	9.54E-41	3.60E-40	-0.12577	chr5_1207	sig	hypo
chr5	1208801	1209000	*	3.39E-57	1.62E-56	-0.22221	chr5_1208	sig	hypo
chr5	1258801	1259000	*	4.25E-37	1.51E-36	-0.12946	chr5_1258	sig	hypo
chr5	1295401	1295600	*	1.09E-29	3.36E-29	0.136111	chr5_1295	sig	hyper
chr5	1295601	1295800	*	9.05E-92	6.47E-91	0.144291	chr5_1295	sig	hyper
chr5	1359401	1359600	*	5.55E-68	3.04E-67	-0.14206	chr5_1359	sig	hypo
chr5	1362401	1362600	*	7.63E-62	3.85E-61	-0.11197	chr5_1362	sig	hypo
chr5	1362601	1362800	*	2.29E-95	1.70E-94	-0.18312	chr5_1362	sig	hypo
chr5	1394401	1394600	*	7.67E-45	3.08E-44	0.104429	chr5_1394	sig	hyper
chr5	1395001	1395200	*	4.88E-41	1.85E-40	-0.11025	chr5_1395	sig	hypo
chr5	1406801	1407000	*	1.71E-43	6.73E-43	-0.152	chr5_1406	sig	hypo
chr5	1414601	1414800	*	1.33E-36	4.67E-36	-0.10993	chr5_1414	sig	hypo
chr5	1444601	1444800	*	2.90E-198	6.12E-197	0.211726	chr5_1444	sig	hyper
chr5	1446001	1446200	*	1.13E-234	3.46E-233	0.297169	chr5_1446	sig	hyper
chr5	1494801	1495000	*	1.10E-38	4.00E-38	0.101577	chr5_1494	sig	hyper
chr5	1552401	1552600	*	5.20E-68	2.85E-67	0.129496	chr5_1552	sig	hyper
chr5	1552801	1553000	*	1.46E-74	8.63E-74	0.110263	chr5_1552	sig	hyper
chr5	1555601	1555800	*	3.49E-219	8.99E-218	-0.23524	chr5_1555	sig	hypo
chr5	1658801	1659000	*	1.44E-77	8.84E-77	-0.27393	chr5_1658	sig	hypo
chr5	1662401	1662600	*	3.36E-63	1.72E-62	-0.16232	chr5_1662	sig	hypo
chr5	1662601	1662800	*	3.34E-117	3.17E-116	-0.26822	chr5_1662	sig	hypo
chr5	1667801	1668000	*	1.46E-72	8.43E-72	0.136417	chr5_1667	sig	hyper
chr5	1746801	1747000	*	3.79E-27	1.11E-26	-0.1095	chr5_1746	sig	hypo
chr5	1752601	1752800	*	3.91E-41	1.48E-40	-0.17916	chr5_1752	sig	hypo
chr5	1852601	1852800	*	4.83E-45	1.95E-44	-0.15126	chr5_1852	sig	hypo
chr5	1859601	1859800	*	3.42E-132	3.81E-131	-0.17665	chr5_1859	sig	hypo
chr5	1865401	1865600	*	2.65E-26	7.58E-26	-0.12771	chr5_1865	sig	hypo
chr5	1866001	1866200	*	4.85E-51	2.13E-50	-0.16747	chr5_1866	sig	hypo
chr5	1876001	1876200	*	6.19E-138	7.30E-137	0.19314	chr5_1876	sig	hyper
chr5	1876201	1876400	*	0	0	0.25455	chr5_1876	sig	hyper
chr5	1883001	1883200	*	8.43E-159	1.22E-157	0.218069	chr5_1883	sig	hyper
chr5	1883401	1883600	*	3.43E-202	7.62E-201	0.199619	chr5_1883	sig	hyper
chr5	1884201	1884400	*	3.60E-74	2.11E-73	0.16262	chr5_1884	sig	hyper
chr5	1885401	1885600	*	9.97E-128	1.06E-126	0.183159	chr5_1885	sig	hyper
chr5	1891601	1891800	*	4.45E-67	2.41E-66	-0.14252	chr5_1891	sig	hypo
chr5	1931201	1931400	*	4.66E-153	6.39E-152	0.203671	chr5_1931	sig	hyper
chr5	1931401	1931600	*	1.66E-208	3.93E-207	0.216693	chr5_1931	sig	hyper
chr5	1948801	1949000	*	2.07E-76	1.26E-75	-0.13644	chr5_1948	sig	hypo
chr5	1973601	1973800	*	3.57E-289	1.79E-287	-0.27323	chr5_1973	sig	hypo
chr5	1973801	1974000	*	1.73E-103	1.41E-102	-0.25114	chr5_1973	sig	hypo

chr5	2008001	2008200	*	6.37E-66	3.40E-65	0.121227	chr5_2008	sig	hyper
chr5	2008201	2008400	*	7.65E-53	3.44E-52	0.137818	chr5_2008	sig	hyper
chr5	2094201	2094400	*	2.40E-54	1.11E-53	-0.12926	chr5_2094	sig	hypo
chr5	2103201	2103400	*	2.28E-23	6.08E-23	-0.10524	chr5_2103	sig	hypo
chr5	2112201	2112400	*	7.35E-153	1.01E-151	0.14136	chr5_2112	sig	hyper
chr5	2338801	2339000	*	5.61E-48	2.36E-47	-0.15515	chr5_2338	sig	hypo
chr5	2387801	2388000	*	1.53E-92	1.11E-91	0.144983	chr5_2387	sig	hyper
chr5	2643001	2643200	*	7.88E-121	7.77E-120	0.188823	chr5_2643	sig	hyper
chr5	2683801	2684000	*	1.52E-90	1.08E-89	-0.17045	chr5_2683	sig	hypo
chr5	2686801	2687000	*	7.14E-34	2.39E-33	-0.12445	chr5_2686	sig	hypo
chr5	2727601	2727800	*	8.50E-42	3.26E-41	0.116641	chr5_2727	sig	hyper
chr5	2739001	2739200	*	8.63E-211	2.07E-209	0.213032	chr5_2739	sig	hyper
chr5	2747801	2748000	*	3.73E-215	9.22E-214	0.263557	chr5_2747	sig	hyper
chr5	2749601	2749800	*	2.47E-256	9.24E-255	0.271357	chr5_2749	sig	hyper
chr5	2752401	2752600	*	4.99E-48	2.10E-47	0.121654	chr5_2752	sig	hyper
chr5	2753601	2753800	*	2.78E-215	6.89E-214	0.277893	chr5_2753	sig	hyper
chr5	2754601	2754800	*	1.55E-147	2.02E-146	0.194585	chr5_2754	sig	hyper
chr5	2755001	2755200	*	3.80E-40	1.42E-39	0.174866	chr5_2755	sig	hyper
chr5	2755801	2756000	*	1.01E-146	1.31E-145	0.146041	chr5_2755	sig	hyper
chr5	2757001	2757200	*	6.45E-135	7.42E-134	0.158719	chr5_2757	sig	hyper
chr5	2757201	2757400	*	3.96E-62	2.01E-61	0.12412	chr5_2757	sig	hyper
chr5	2757801	2758000	*	2.79E-188	5.39E-187	0.224174	chr5_2757	sig	hyper
chr5	2915001	2915200	*	2.11E-25	5.92E-25	0.104958	chr5_2915	sig	hyper
chr5	3103601	3103800	*	9.75E-52	4.32E-51	0.172483	chr5_3103	sig	hyper
chr5	3116401	3116600	*	2.01E-45	8.17E-45	0.151281	chr5_3116	sig	hyper
chr5	3116601	3116800	*	1.54E-149	2.05E-148	0.194228	chr5_3116	sig	hyper
chr5	3197801	3198000	*	3.09E-213	7.55E-212	0.288616	chr5_3197	sig	hyper
chr5	3311201	3311400	*	3.54E-35	1.21E-34	-0.13302	chr5_3311	sig	hypo
chr5	3386401	3386600	*	2.88E-26	8.22E-26	0.11127	chr5_3386	sig	hyper
chr5	3590601	3590800	*	1.91E-164	2.93E-163	0.329995	chr5_3590	sig	hyper
chr5	3591001	3591200	*	0	0	0.321147	chr5_3591	sig	hyper
chr5	3592401	3592600	*	0	0	0.233509	chr5_3592	sig	hyper
chr5	3596801	3597000	*	1.18E-84	7.85E-84	0.265991	chr5_3596	sig	hyper
chr5	3597201	3597400	*	6.88E-308	4.10E-306	0.345936	chr5_3597	sig	hyper
chr5	3597401	3597600	*	6.11E-186	1.15E-184	0.294775	chr5_3597	sig	hyper
chr5	3599401	3599600	*	1.33E-174	2.26E-173	0.229296	chr5_3599	sig	hyper
chr5	3599601	3599800	*	1.88E-64	9.84E-64	0.205906	chr5_3599	sig	hyper
chr5	3602001	3602200	*	0	0	0.331123	chr5_3602	sig	hyper
chr5	3602201	3602400	*	1.64E-304	9.55E-303	0.306986	chr5_3602	sig	hyper
chr5	3602401	3602600	*	7.42E-89	5.15E-88	0.224889	chr5_3602	sig	hyper
chr5	3605601	3605800	*	6.25E-49	2.67E-48	0.166693	chr5_3605	sig	hyper
chr5	3606401	3606600	*	4.68E-222	1.24E-220	0.263043	chr5_3606	sig	hyper
chr5	3606801	3607000	*	3.69E-196	7.67E-195	0.259482	chr5_3606	sig	hyper
chr5	5139201	5139400	*	3.99E-30	1.24E-29	0.104852	chr5_5139	sig	hyper
chr5	5139401	5139600	*	1.19E-58	5.79E-58	0.180036	chr5_5139	sig	hyper
chr5	5139601	5139800	*	2.25E-273	9.60E-272	0.364428	chr5_5139	sig	hyper
chr5	5146201	5146400	*	4.52E-22	1.16E-21	-0.11797	chr5_5146	sig	hypo
chr5	5568401	5568600	*	1.31E-37	4.69E-37	-0.1531	chr5_5568	sig	hypo
chr5	5887201	5887400	*	5.29E-37	1.87E-36	0.105543	chr5_5887	sig	hyper
chr5	6349201	6349400	*	0.00E+00	0.00E+00	-0.35645	chr5_6349	sig	hypo
chr5	6349401	6349600	*	0	0	-0.35603	chr5_6349	sig	hypo
chr5	6378801	6379000	*	4.01E-21	1.00E-20	0.102499	chr5_6378	sig	hyper
chr5	6448801	6449000	*	2.58E-128	2.75E-127	0.103589	chr5_6448	sig	hyper
chr5	7849601	7849800	*	7.09E-47	2.94E-46	0.156698	chr5_7849	sig	hyper
chr5	7983401	7983600	*	1.96E-54	9.06E-54	-0.164	chr5_7983	sig	hypo
chr5	8457401	8457600	*	1.66E-42	6.43E-42	0.116003	chr5_8457	sig	hyper

chr5	10562801	10563000	*	2.24E-124	2.29E-123	0.193086	chr5_1056	sig	hyper
chr5	11384401	11384600	*	7.26E-82	4.68E-81	0.163912	chr5_1138	sig	hyper
chr5	11384601	11384800	*	1.75E-100	1.39E-99	0.170464	chr5_1138	sig	hyper
chr5	11904601	11904800	*	1.91E-52	8.53E-52	0.144707	chr5_1190	sig	hyper
chr5	13810001	13810200	*	3.92E-95	2.91E-94	0.117829	chr5_1381	sig	hyper
chr5	14414801	14415000	*	5.53E-142	6.79E-141	0.281919	chr5_1441	sig	hyper
chr5	14441001	14441200	*	3.23E-34	1.09E-33	0.116817	chr5_1444	sig	hyper
chr5	15500601	15500800	*	2.32E-74	1.37E-73	0.115472	chr5_1550	sig	hyper
chr5	16178801	16179000	*	1.89E-44	7.54E-44	0.10715	chr5_1617	sig	hyper
chr5	16179001	16179200	*	8.92E-118	8.51E-117	0.163343	chr5_1617	sig	hyper
chr5	16180201	16180400	*	6.14E-150	8.20E-149	0.231029	chr5_1618	sig	hyper
chr5	19988201	19988400	*	2.78E-143	3.46E-142	0.256537	chr5_1998	sig	hyper
chr5	19988401	19988600	*	2.66E-26	7.62E-26	0.158338	chr5_1998	sig	hyper
chr5	23951401	23951600	*	2.67E-56	1.26E-55	0.152707	chr5_2395	sig	hyper
chr5	25911001	25911200	*	3.69E-46	1.51E-45	-0.19223	chr5_2591	sig	hypo
chr5	31854401	31854600	*	2.06E-57	9.87E-57	0.11321	chr5_3185	sig	hyper
chr5	31855001	31855200	*	1.55E-150	2.09E-149	0.14277	chr5_3185	sig	hyper
chr5	31855201	31855400	*	5.41E-186	1.02E-184	0.287593	chr5_3185	sig	hyper
chr5	32522801	32523000	*	8.07E-37	2.84E-36	-0.1033	chr5_3252	sig	hypo
chr5	32709001	32709200	*	3.05E-51	1.35E-50	0.118539	chr5_3270	sig	hyper
chr5	32712801	32713000	*	2.57E-150	3.45E-149	0.253213	chr5_3271	sig	hyper
chr5	32713201	32713400	*	4.92E-196	1.02E-194	0.274883	chr5_3271	sig	hyper
chr5	33297801	33298000	*	9.92E-55	4.59E-54	-0.1296	chr5_3329	sig	hypo
chr5	33936001	33936200	*	2.23E-238	7.03E-237	0.122908	chr5_3393	sig	hyper
chr5	33936201	33936400	*	0	0	0.282045	chr5_3393	sig	hyper
chr5	33936401	33936600	*	8.86E-293	4.57E-291	0.264403	chr5_3393	sig	hyper
chr5	33937001	33937200	*	1.09E-62	5.59E-62	0.167159	chr5_3393	sig	hyper
chr5	36692801	36693000	*	1.46E-47	6.14E-47	0.180453	chr5_3669	sig	hyper
chr5	36693001	36693200	*	3.98E-111	3.52E-110	0.190978	chr5_3669	sig	hyper
chr5	37834801	37835000	*	4.63E-65	2.45E-64	0.160375	chr5_3783	sig	hyper
chr5	37838201	37838400	*	0.00E+00	0.00E+00	0.190315	chr5_3783	sig	hyper
chr5	37838401	37838600	*	4.96E-203	1.11E-201	0.236951	chr5_3783	sig	hyper
chr5	37838601	37838800	*	4.59E-106	3.85E-105	0.159528	chr5_3783	sig	hyper
chr5	37839601	37839800	*	1.68E-207	3.95E-206	0.189059	chr5_3783	sig	hyper
chr5	38258601	38258800	*	3.73E-114	3.42E-113	0.131507	chr5_3825	sig	hyper
chr5	38557001	38557200	*	6.43E-149	8.52E-148	0.138975	chr5_3855	sig	hyper
chr5	38557201	38557400	*	8.98E-157	1.28E-155	0.164322	chr5_3855	sig	hyper
chr5	38557401	38557600	*	3.66E-134	4.17E-133	0.184523	chr5_3855	sig	hyper
chr5	38845601	38845800	*	4.34E-105	3.61E-104	0.219891	chr5_3884	sig	hyper
chr5	38846201	38846400	*	1.20E-143	1.49E-142	0.262172	chr5_3884	sig	hyper
chr5	38846801	38847000	*	1.60E-80	1.01E-79	0.25532	chr5_3884	sig	hyper
chr5	41509601	41509800	*	1.04E-35	3.60E-35	0.1017	chr5_4150	sig	hyper
chr5	41509801	41510000	*	5.66E-127	5.97E-126	0.196204	chr5_4150	sig	hyper
chr5	41510001	41510200	*	1.08E-140	1.31E-139	0.270303	chr5_4151	sig	hyper
chr5	42944201	42944400	*	2.35E-146	3.04E-145	0.238349	chr5_4294	sig	hyper
chr5	42945001	42945200	*	1.03E-32	3.37E-32	-0.15256	chr5_4294	sig	hypo
chr5	42951801	42952000	*	3.64E-118	3.49E-117	0.106034	chr5_4295	sig	hyper
chr5	42952001	42952200	*	1.14E-150	1.53E-149	0.108555	chr5_4295	sig	hyper
chr5	42953401	42953600	*	2.79E-44	1.11E-43	0.168421	chr5_4295	sig	hyper
chr5	42993801	42994000	*	1.90E-148	2.50E-147	0.263924	chr5_4299	sig	hyper
chr5	42994001	42994200	*	8.96E-186	1.68E-184	0.272235	chr5_4299	sig	hyper
chr5	42994401	42994600	*	5.39E-19	1.28E-18	0.100843	chr5_4299	sig	hyper
chr5	42995401	42995600	*	5.66E-79	3.54E-78	0.222364	chr5_4299	sig	hyper
chr5	44388801	44389000	*	0	0	0.276816	chr5_4438	sig	hyper
chr5	44389601	44389800	*	0	0	0.31664	chr5_4438	sig	hyper
chr5	45695001	45695200	*	5.34E-208	1.26E-206	0.331236	chr5_4569	sig	hyper

chr5	45695201	45695400	*	4.94E-115	4.58E-114	0.253089	chr5_4569	sig	hyper
chr5	45696201	45696400	*	1.87E-136	2.18E-135	0.207022	chr5_4569	sig	hyper
chr5	45696401	45696600	*	2.09E-94	1.54E-93	0.227261	chr5_4569	sig	hyper
chr5	50440801	50441000	*	1.15E-153	1.59E-152	0.188159	chr5_5044	sig	hyper
chr5	50964201	50964400	*	4.14E-93	3.01E-92	0.136199	chr5_5096	sig	hyper
chr5	50969801	50970000	*	1.06E-212	2.58E-211	0.213664	chr5_5096	sig	hyper
chr5	51377201	51377400	*	1.27E-28	3.81E-28	0.112818	chr5_5137	sig	hyper
chr5	51377801	51378000	*	4.52E-78	2.78E-77	0.158188	chr5_5137	sig	hyper
chr5	51378001	51378200	*	4.42E-75	2.64E-74	0.204822	chr5_5137	sig	hyper
chr5	51378201	51378400	*	5.54E-31	1.75E-30	0.149557	chr5_5137	sig	hyper
chr5	51382601	51382800	*	2.61E-118	2.51E-117	0.169024	chr5_5138	sig	hyper
chr5	51387401	51387600	*	1.51E-163	2.30E-162	0.207076	chr5_5138	sig	hyper
chr5	51387601	51387800	*	2.91E-195	6.01E-194	0.224072	chr5_5138	sig	hyper
chr5	51389601	51389800	*	7.97E-167	1.25E-165	0.166028	chr5_5138	sig	hyper
chr5	51389801	51390000	*	2.56E-120	2.50E-119	0.160376	chr5_5138	sig	hyper
chr5	51390401	51390600	*	7.69E-63	3.93E-62	0.145877	chr5_5139	sig	hyper
chr5	54646401	54646600	*	2.41E-20	5.92E-20	0.119883	chr5_5464	sig	hyper
chr5	54883601	54883800	*	4.63E-182	8.35E-181	0.263027	chr5_5488	sig	hyper
chr5	54883801	54884000	*	1.56E-278	6.94E-277	0.287044	chr5_5488	sig	hyper
chr5	55220601	55220800	*	4.56E-110	3.99E-109	0.152983	chr5_5522	sig	hyper
chr5	55221001	55221200	*	4.50E-70	2.53E-69	0.16817	chr5_5522	sig	hyper
chr5	55222801	55223000	*	1.22E-206	2.83E-205	0.301052	chr5_5522	sig	hyper
chr5	55223001	55223200	*	1.95E-233	5.85E-232	0.307101	chr5_5522	sig	hyper
chr5	55223201	55223400	*	4.15E-144	5.21E-143	0.276448	chr5_5522	sig	hyper
chr5	55822001	55822200	*	3.46E-55	1.61E-54	0.152558	chr5_5582	sig	hyper
chr5	58582401	58582600	*	2.10E-245	7.15E-244	0.154151	chr5_5858	sig	hyper
chr5	58583601	58583800	*	1.70E-36	5.95E-36	0.16891	chr5_5858	sig	hyper
chr5	59038801	59039000	*	1.99E-42	7.71E-42	-0.15362	chr5_5903	sig	hypo
chr5	59893801	59894000	*	7.24E-140	8.71E-139	0.152644	chr5_5989	sig	hyper
chr5	59894001	59894200	*	1.13E-103	9.26E-103	0.133855	chr5_5989	sig	hyper
chr5	63959201	63959400	*	6.39E-79	3.99E-78	0.327218	chr5_6395	sig	hyper
chr5	63960401	63960600	*	2.13E-122	2.14E-121	0.25847	chr5_6396	sig	hyper
chr5	63961001	63961200	*	2.30E-54	1.06E-53	0.188697	chr5_6396	sig	hyper
chr5	63961601	63961800	*	1.20E-108	1.03E-107	0.249154	chr5_6396	sig	hyper
chr5	63962001	63962200	*	1.08E-112	9.71E-112	0.250708	chr5_6396	sig	hyper
chr5	64505801	64506000	*	1.95E-57	9.35E-57	0.185066	chr5_6450	sig	hyper
chr5	64506001	64506200	*	5.98E-56	2.81E-55	0.167199	chr5_6450	sig	hyper
chr5	64506401	64506600	*	0	0	0.217536	chr5_6450	sig	hyper
chr5	64506601	64506800	*	2.01E-147	2.61E-146	0.201306	chr5_6450	sig	hyper
chr5	64507001	64507200	*	9.77E-75	5.80E-74	0.25722	chr5_6450	sig	hyper
chr5	64690201	64690400	*	4.19E-41	1.59E-40	0.191693	chr5_6469	sig	hyper
chr5	67166001	67166200	*	7.65E-59	3.73E-58	-0.14981	chr5_6716	sig	hypo
chr5	69415801	69416000	*	2.17E-24	5.93E-24	-0.11277	chr5_6941	sig	hypo
chr5	71719001	71719200	*	2.08E-221	5.49E-220	0.312631	chr5_7171	sig	hyper
chr5	71719601	71719800	*	8.13E-222	2.16E-220	0.302232	chr5_7171	sig	hyper
chr5	72108001	72108200	*	2.13E-49	9.16E-49	0.129202	chr5_7210	sig	hyper
chr5	73230801	73231000	*	6.58E-75	3.92E-74	0.196273	chr5_7323	sig	hyper
chr5	73231001	73231200	*	2.18E-37	7.75E-37	0.104377	chr5_7323	sig	hyper
chr5	73232201	73232400	*	3.44E-84	2.28E-83	0.191103	chr5_7323	sig	hyper
chr5	73298601	73298800	*	0	0	0.273024	chr5_7329	sig	hyper
chr5	73299401	73299600	*	1.06E-53	4.84E-53	0.123365	chr5_7329	sig	hyper
chr5	73299601	73299800	*	3.77E-69	2.09E-68	0.171156	chr5_7329	sig	hyper
chr5	73299801	73300000	*	8.05E-141	9.77E-140	0.145436	chr5_7329	sig	hyper
chr5	73301001	73301200	*	1.77E-96	1.33E-95	0.119696	chr5_7330	sig	hyper
chr5	73301201	73301400	*	1.93E-89	1.35E-88	0.175128	chr5_7330	sig	hyper
chr5	73301401	73301600	*	3.17E-32	1.03E-31	0.138839	chr5_7330	sig	hyper

chr5	73301801	73302000	*	4.22E-71	2.40E-70	0.179681	chr5_7330	sig	hyper
chr5	73311601	73311800	*	8.67E-22	2.21E-21	0.100137	chr5_7331	sig	hyper
chr5	73381401	73381600	*	2.36E-167	3.73E-166	0.24204	chr5_7338	sig	hyper
chr5	73382201	73382400	*	1.07E-194	2.20E-193	0.23593	chr5_7338	sig	hyper
chr5	73420001	73420200	*	4.13E-138	4.89E-137	0.149096	chr5_7342	sig	hyper
chr5	73420201	73420400	*	5.15E-52	2.29E-51	0.116354	chr5_7342	sig	hyper
chr5	73436001	73436200	*	5.31E-41	2.01E-40	0.232245	chr5_7343	sig	hyper
chr5	73436201	73436400	*	2.83E-96	2.13E-95	0.225065	chr5_7343	sig	hyper
chr5	73444601	73444800	*	6.05E-150	8.09E-149	0.255823	chr5_7344	sig	hyper
chr5	73444801	73445000	*	1.20E-303	6.87E-302	0.269733	chr5_7344	sig	hyper
chr5	73627001	73627200	*	2.63E-58	1.27E-57	-0.16646	chr5_7362	sig	hypo
chr5	74867001	74867200	*	3.78E-30	1.17E-29	-0.14951	chr5_7486	sig	hypo
chr5	76082001	76082200	*	4.54E-110	3.96E-109	0.10161	chr5_7608	sig	hyper
chr5	76716601	76716800	*	7.79E-39	2.84E-38	0.162332	chr5_7671	sig	hyper
chr5	76716801	76717000	*	7.76E-33	2.55E-32	0.134934	chr5_7671	sig	hyper
chr5	76954601	76954800	*	1.82E-22	4.73E-22	0.171852	chr5_7695	sig	hyper
chr5	77211601	77211800	*	5.08E-58	2.45E-57	0.145954	chr5_7721	sig	hyper
chr5	77211801	77212000	*	2.29E-32	7.46E-32	0.140139	chr5_7721	sig	hyper
chr5	77627801	77628000	*	5.79E-37	2.04E-36	0.204592	chr5_7762	sig	hyper
chr5	77632601	77632800	*	1.76E-174	2.99E-173	0.269834	chr5_7763	sig	hyper
chr5	77632801	77633000	*	6.61E-75	3.94E-74	0.20518	chr5_7763	sig	hyper
chr5	77638401	77638600	*	2.95E-133	3.32E-132	0.222007	chr5_7763	sig	hyper
chr5	77638801	77639000	*	0	0	0.234652	chr5_7763	sig	hyper
chr5	77639001	77639200	*	1.33E-155	1.88E-154	0.329518	chr5_7763	sig	hyper
chr5	77639201	77639400	*	2.27E-188	4.40E-187	0.306781	chr5_7763	sig	hyper
chr5	77643601	77643800	*	1.17E-156	1.67E-155	0.165467	chr5_7764	sig	hyper
chr5	77844401	77844600	*	1.38E-68	7.62E-68	0.141663	chr5_7784	sig	hyper
chr5	77972401	77972600	*	2.72E-206	6.30E-205	0.248949	chr5_7797	sig	hyper
chr5	77973001	77973200	*	1.30E-99	1.02E-98	0.258192	chr5_7797	sig	hyper
chr5	77973401	77973600	*	1.53E-35	5.28E-35	0.10709	chr5_7797	sig	hyper
chr5	79069801	79070000	*	2.50E-150	3.36E-149	0.217498	chr5_7906	sig	hyper
chr5	79111401	79111600	*	6.23E-29	1.88E-28	-0.13186	chr5_7911	sig	hypo
chr5	79690001	79690200	*	2.56E-73	1.49E-72	0.163871	chr5_7969	sig	hyper
chr5	79690201	79690400	*	5.73E-76	3.45E-75	0.163936	chr5_7969	sig	hyper
chr5	80034801	80035000	*	6.01E-52	2.67E-51	0.215935	chr5_8003	sig	hyper
chr5	83471401	83471600	*	1.49E-115	1.39E-114	0.13117	chr5_8347	sig	hyper
chr5	83471601	83471800	*	4.48E-147	5.81E-146	0.159497	chr5_8347	sig	hyper
chr5	83471801	83472000	*	1.07E-133	1.22E-132	0.239439	chr5_8347	sig	hyper
chr5	83473001	83473200	*	5.27E-163	7.96E-162	0.101111	chr5_8347	sig	hyper
chr5	83473201	83473400	*	3.52E-124	3.61E-123	0.138606	chr5_8347	sig	hyper
chr5	84383801	84384000	*	4.40E-122	4.40E-121	0.166648	chr5_8438	sig	hyper
chr5	84384401	84384600	*	5.50E-151	7.42E-150	0.165374	chr5_8438	sig	hyper
chr5	88602801	88603000	*	3.24E-97	2.46E-96	-0.16848	chr5_8860	sig	hypo
chr5	88659801	88660000	*	2.87E-201	6.28E-200	0.24759	chr5_8865	sig	hyper
chr5	88660001	88660200	*	1.86E-130	2.03E-129	0.258108	chr5_8866	sig	hyper
chr5	88672201	88672400	*	5.56E-106	4.66E-105	0.18841	chr5_8867	sig	hyper
chr5	88672601	88672800	*	1.01E-28	3.05E-28	0.133605	chr5_8867	sig	hyper
chr5	88672801	88673000	*	5.71E-155	7.98E-154	0.180208	chr5_8867	sig	hyper
chr5	88678001	88678200	*	3.36E-149	4.46E-148	0.210019	chr5_8867	sig	hyper
chr5	88678201	88678400	*	2.67E-194	5.45E-193	0.222252	chr5_8867	sig	hyper
chr5	88678601	88678800	*	3.02E-200	6.53E-199	0.210235	chr5_8867	sig	hyper
chr5	88683801	88684000	*	3.46E-64	1.80E-63	0.145429	chr5_8868	sig	hyper
chr5	88684401	88684600	*	1.24E-95	9.23E-95	0.198432	chr5_8868	sig	hyper
chr5	88685001	88685200	*	2.47E-66	1.32E-65	0.106536	chr5_8868	sig	hyper
chr5	88685201	88685400	*	0	0	0.174121	chr5_8868	sig	hyper
chr5	88689401	88689600	*	2.02E-33	6.69E-33	0.135948	chr5_8868	sig	hyper

chr5	88689601	88689800	*	3.57E-158	5.15E-157	0.264487	chr5_8868	sig	hyper
chr5	88689801	88690000	*	1.56E-127	1.65E-126	0.253158	chr5_8868	sig	hyper
chr5	88690201	88690400	*	1.64E-133	1.85E-132	0.185899	chr5_8869	sig	hyper
chr5	88694201	88694400	*	3.86E-58	1.86E-57	0.171526	chr5_8869	sig	hyper
chr5	88695201	88695400	*	3.04E-120	2.98E-119	0.261698	chr5_8869	sig	hyper
chr5	88695401	88695600	*	1.29E-121	1.28E-120	0.266482	chr5_8869	sig	hyper
chr5	88889201	88889400	*	5.06E-70	2.84E-69	0.246968	chr5_8888	sig	hyper
chr5	88889401	88889600	*	1.15E-123	1.17E-122	0.33017	chr5_8888	sig	hyper
chr5	88889801	88890000	*	1.64E-193	3.33E-192	0.26232	chr5_8888	sig	hyper
chr5	93571401	93571600	*	2.18E-26	6.23E-26	0.126272	chr5_9357	sig	hyper
chr5	93573001	93573200	*	5.43E-75	3.23E-74	0.268255	chr5_9357	sig	hyper
chr5	93573201	93573400	*	1.37E-84	9.12E-84	0.212184	chr5_9357	sig	hyper
chr5	93573601	93573800	*	3.38E-82	2.18E-81	0.172559	chr5_9357	sig	hyper
chr5	93578201	93578400	*	7.13E-30	2.21E-29	0.128553	chr5_9357	sig	hyper
chr5	93587801	93588000	*	2.77E-139	3.32E-138	0.203137	chr5_9358	sig	hyper
chr5	93593601	93593800	*	1.26E-22	3.29E-22	0.101625	chr5_9359	sig	hyper
chr5	93594801	93595000	*	5.03E-94	3.69E-93	0.188138	chr5_9359	sig	hyper
chr5	93595401	93595600	*	1.73E-62	8.84E-62	0.188397	chr5_9359	sig	hyper
chr5	93607401	93607600	*	2.93E-36	1.02E-35	0.127603	chr5_9360	sig	hyper
chr5	98779601	98779800	*	4.34E-40	1.62E-39	-0.15128	chr5_9877	sig	hypo
chr5	98839401	98839600	*	6.38E-37	2.25E-36	0.127209	chr5_9883	sig	hyper
chr5	98839601	98839800	*	1.68E-34	5.71E-34	0.144578	chr5_9883	sig	hyper
chr5	102295801	102296000	*	4.24E-70	2.38E-69	0.137061	chr5_1022	sig	hyper
chr5	102296401	102296600	*	1.01E-190	2.00E-189	0.112895	chr5_1022	sig	hyper
chr5	111070601	111070800	*	3.35E-172	5.58E-171	0.22367	chr5_1110	sig	hyper
chr5	111070801	111071000	*	0	0	0.265631	chr5_1110	sig	hyper
chr5	114055801	114056000	*	0	0	0.290444	chr5_1140	sig	hyper
chr5	114056001	114056200	*	6.41E-119	6.20E-118	0.212689	chr5_1140	sig	hyper
chr5	114056201	114056400	*	0	0	0.326185	chr5_1140	sig	hyper
chr5	114056401	114056600	*	1.11E-105	9.31E-105	0.220429	chr5_1140	sig	hyper
chr5	115171201	115171400	*	3.71E-30	1.15E-29	-0.11316	chr5_1151	sig	hypo
chr5	115816601	115816800	*	0	0	0.332615	chr5_1158	sig	hyper
chr5	115961801	115962000	*	5.96E-122	5.95E-121	0.306333	chr5_1159	sig	hyper
chr5	115962001	115962200	*	4.01E-230	1.17E-228	0.27757	chr5_1159	sig	hyper
chr5	115962201	115962400	*	1.20E-163	1.82E-162	0.291815	chr5_1159	sig	hyper
chr5	115963201	115963400	*	6.22E-109	5.38E-108	0.234797	chr5_1159	sig	hyper
chr5	116576401	116576600	*	3.71E-133	4.18E-132	0.152914	chr5_1165	sig	hyper
chr5	116576601	116576800	*	4.30E-205	9.85E-204	0.223541	chr5_1165	sig	hyper
chr5	119355201	119355400	*	1.12E-260	4.32E-259	-0.31475	chr5_1193	sig	hypo
chr5	119355401	119355600	*	2.30E-151	3.11E-150	-0.32695	chr5_1193	sig	hypo
chr5	123087401	123087600	*	4.84E-55	2.25E-54	0.172891	chr5_1230	sig	hyper
chr5	123087801	123088000	*	8.96E-66	4.78E-65	0.147035	chr5_1230	sig	hyper
chr5	123093601	123093800	*	7.77E-64	4.02E-63	0.154105	chr5_1230	sig	hyper
chr5	123094201	123094400	*	2.15E-71	1.23E-70	0.167633	chr5_1230	sig	hyper
chr5	123094401	123094600	*	1.31E-47	5.49E-47	0.146574	chr5_1230	sig	hyper
chr5	123094601	123094800	*	4.28E-114	3.92E-113	0.258826	chr5_1230	sig	hyper
chr5	123094801	123095000	*	3.07E-38	1.11E-37	0.166894	chr5_1230	sig	hyper
chr5	123095001	123095200	*	2.27E-162	3.41E-161	0.243352	chr5_1230	sig	hyper
chr5	123098601	123098800	*	9.23E-105	7.64E-104	0.172399	chr5_1230	sig	hyper
chr5	123099401	123099600	*	1.15E-63	5.93E-63	0.109927	chr5_1230	sig	hyper
chr5	123099801	123100000	*	2.35E-58	1.14E-57	0.100475	chr5_1230	sig	hyper
chr5	123285401	123285600	*	1.76E-124	1.81E-123	0.16177	chr5_1232	sig	hyper
chr5	126600401	126600600	*	4.92E-30	1.53E-29	-0.133	chr5_1266	sig	hypo
chr5	128536401	128536600	*	9.97E-74	5.83E-73	0.111432	chr5_1285	sig	hyper
chr5	128537601	128537800	*	0	0	0.178806	chr5_1285	sig	hyper
chr5	128537801	128538000	*	2.22E-257	8.39E-256	0.213493	chr5_1285	sig	hyper

chr5	128538001	128538200	*	2.07E-136	2.41E-135	0.267008	chr5_1285	sig	hyper
chr5	128538801	128539000	*	6.68E-67	3.61E-66	0.172583	chr5_1285	sig	hyper
chr5	128965601	128965800	*	1.74E-153	2.40E-152	0.274098	chr5_1289	sig	hyper
chr5	129459801	129460000	*	1.27E-45	5.17E-45	0.191111	chr5_1294	sig	hyper
chr5	132011001	132011200	*	1.05E-10	1.87E-10	0.100743	chr5_1320	sig	hyper
chr5	132258001	132258200	*	1.08E-26	3.12E-26	0.121974	chr5_1322	sig	hyper
chr5	132271201	132271400	*	4.32E-96	3.24E-95	-0.23107	chr5_1322	sig	hypo
chr5	132271401	132271600	*	9.15E-97	6.92E-96	-0.17868	chr5_1322	sig	hypo
chr5	132748201	132748400	*	3.07E-200	6.62E-199	-0.32965	chr5_1327	sig	hypo
chr5	132819401	132819600	*	2.15E-147	2.81E-146	-0.24952	chr5_1328	sig	hypo
chr5	132819601	132819800	*	8.31E-177	1.44E-175	-0.20387	chr5_1328	sig	hypo
chr5	132823001	132823200	*	1.45E-170	2.38E-169	0.162799	chr5_1328	sig	hyper
chr5	132865801	132866000	*	4.13E-38	1.49E-37	-0.16222	chr5_1328	sig	hypo
chr5	134113801	134114000	*	0	0	0.216567	chr5_1341	sig	hyper
chr5	134114001	134114200	*	8.10E-144	1.01E-142	0.20469	chr5_1341	sig	hyper
chr5	135027601	135027800	*	0	0	0.398565	chr5_1350	sig	hyper
chr5	135028201	135028400	*	0	0	0.455588	chr5_1350	sig	hyper
chr5	135028801	135029000	*	4.17E-220	1.09E-218	0.361548	chr5_1350	sig	hyper
chr5	135029201	135029400	*	8.00E-271	3.33E-269	0.367612	chr5_1350	sig	hyper
chr5	135031201	135031400	*	2.63E-148	3.46E-147	0.156965	chr5_1350	sig	hyper
chr5	135031401	135031600	*	1.24E-120	1.22E-119	0.190147	chr5_1350	sig	hyper
chr5	135031601	135031800	*	6.42E-146	8.23E-145	0.180465	chr5_1350	sig	hyper
chr5	135038601	135038800	*	2.44E-224	6.67E-223	0.253284	chr5_1350	sig	hyper
chr5	135038801	135039000	*	3.23E-181	5.79E-180	0.247023	chr5_1350	sig	hyper
chr5	135039001	135039200	*	0	0	0.279586	chr5_1350	sig	hyper
chr5	135040801	135041000	*	4.96E-96	3.71E-95	0.107611	chr5_1350	sig	hyper
chr5	135041001	135041200	*	2.49E-34	8.42E-34	0.125891	chr5_1350	sig	hyper
chr5	135050401	135050600	*	2.15E-161	3.19E-160	0.244259	chr5_1350	sig	hyper
chr5	135050601	135050800	*	4.55E-68	2.49E-67	0.145088	chr5_1350	sig	hyper
chr5	135327001	135327200	*	0	0	0.287695	chr5_1353	sig	hyper
chr5	135327201	135327400	*	0	0	0.216739	chr5_1353	sig	hyper
chr5	135399801	135400000	*	2.97E-63	1.53E-62	0.121142	chr5_1353	sig	hyper
chr5	135489201	135489400	*	2.79E-54	1.28E-53	0.147645	chr5_1354	sig	hyper
chr5	135490001	135490200	*	6.05E-274	2.60E-272	0.195779	chr5_1354	sig	hyper
chr5	135490201	135490400	*	1.74E-130	1.90E-129	0.149576	chr5_1354	sig	hyper
chr5	135930201	135930400	*	2.11E-98	1.63E-97	0.156614	chr5_1359	sig	hyper
chr5	135930801	135931000	*	5.30E-149	7.03E-148	0.219704	chr5_1359	sig	hyper
chr5	135931001	135931200	*	2.11E-53	9.57E-53	0.156401	chr5_1359	sig	hyper
chr5	136365401	136365600	*	9.02E-73	5.22E-72	0.195674	chr5_1363	sig	hyper
chr5	137500601	137500800	*	3.98E-20	9.72E-20	-0.11956	chr5_1375	sig	hypo
chr5	137889001	137889200	*	2.02E-28	6.04E-28	0.126879	chr5_1378	sig	hyper
chr5	137889201	137889400	*	6.54E-74	3.83E-73	0.226104	chr5_1378	sig	hyper
chr5	139393401	139393600	*	1.57E-219	4.07E-218	0.169679	chr5_1393	sig	hyper
chr5	139393601	139393800	*	1.18E-96	8.93E-96	0.264882	chr5_1393	sig	hyper
chr5	139394201	139394400	*	0.00E+00	0.00E+00	0.336824	chr5_1393	sig	hyper
chr5	139395001	139395200	*	3.10E-22	7.99E-22	0.154671	chr5_1393	sig	hyper
chr5	139526401	139526600	*	3.30E-93	2.40E-92	-0.17211	chr5_1395	sig	hypo
chr5	139788601	139788800	*	3.83E-32	1.24E-31	-0.1352	chr5_1397	sig	hypo
chr5	139903401	139903600	*	1.98E-47	8.28E-47	0.120248	chr5_1399	sig	hyper
chr5	140146601	140146800	*	1.26E-19	3.04E-19	0.129716	chr5_1401	sig	hyper
chr5	140672401	140672600	*	1.62E-71	9.26E-71	0.109176	chr5_1406	sig	hyper
chr5	140786401	140786600	*	3.54E-174	5.99E-173	0.18035	chr5_1407	sig	hyper
chr5	140786601	140786800	*	7.28E-31	2.30E-30	0.11819	chr5_1407	sig	hyper
chr5	140787401	140787600	*	8.23E-29	2.48E-28	0.106097	chr5_1407	sig	hyper
chr5	140795001	140795200	*	5.75E-56	2.70E-55	0.149625	chr5_1407	sig	hyper
chr5	140795201	140795400	*	1.30E-118	1.25E-117	0.2662	chr5_1407	sig	hyper

chr5	140803201	140803400	*	6.93E-64	3.59E-63	0.123644	chr5_1408	sig	hyper
chr5	140807201	140807400	*	1.10E-54	5.10E-54	0.143443	chr5_1408	sig	hyper
chr5	140807401	140807600	*	1.59E-170	2.60E-169	0.209764	chr5_1408	sig	hyper
chr5	140807601	140807800	*	1.61E-161	2.40E-160	0.212416	chr5_1408	sig	hyper
chr5	140830201	140830400	*	1.76E-34	5.98E-34	0.135199	chr5_1408	sig	hyper
chr5	140835601	140835800	*	5.81E-86	3.90E-85	0.101285	chr5_1408	sig	hyper
chr5	140841601	140841800	*	3.34E-165	5.18E-164	0.310372	chr5_1408	sig	hyper
chr5	140843401	140843600	*	3.10E-84	2.05E-83	0.139756	chr5_1408	sig	hyper
chr5	140848601	140848800	*	4.67E-122	4.67E-121	0.199407	chr5_1408	sig	hyper
chr5	140848801	140849000	*	3.16E-129	3.41E-128	0.239197	chr5_1408	sig	hyper
chr5	140855801	140856000	*	9.79E-48	4.11E-47	0.168919	chr5_1408	sig	hyper
chr5	140856001	140856200	*	1.92E-98	1.48E-97	0.167416	chr5_1408	sig	hyper
chr5	140856401	140856600	*	3.92E-122	3.92E-121	0.240246	chr5_1408	sig	hyper
chr5	140870801	140871000	*	1.04E-117	9.91E-117	0.129426	chr5_1408	sig	hyper
chr5	140871201	140871400	*	3.25E-42	1.26E-41	0.117784	chr5_1408	sig	hyper
chr5	140875801	140876000	*	9.25E-55	4.28E-54	0.214151	chr5_1408	sig	hyper
chr5	140876601	140876800	*	5.50E-46	2.25E-45	0.10186	chr5_1408	sig	hyper
chr5	140877201	140877400	*	3.32E-81	2.13E-80	0.150324	chr5_1408	sig	hyper
chr5	140877601	140877800	*	7.57E-116	7.08E-115	0.140389	chr5_1408	sig	hyper
chr5	140882001	140882200	*	1.50E-283	7.03E-282	0.24006	chr5_1408	sig	hyper
chr5	140882401	140882600	*	2.99E-94	2.19E-93	0.173457	chr5_1408	sig	hyper
chr5	140882601	140882800	*	1.30E-164	2.00E-163	0.228559	chr5_1408	sig	hyper
chr5	140884001	140884200	*	4.32E-69	2.40E-68	0.11163	chr5_1408	sig	hyper
chr5	140926601	140926800	*	4.34E-138	5.14E-137	0.166783	chr5_1409	sig	hyper
chr5	141084801	141085000	*	7.90E-11	1.41E-10	0.117974	chr5_1410	sig	hyper
chr5	141094401	141094600	*	1.17E-47	4.91E-47	0.157531	chr5_1410	sig	hyper
chr5	141094601	141094800	*	1.36E-47	5.70E-47	0.14323	chr5_1410	sig	hyper
chr5	141096001	141096200	*	6.80E-118	6.50E-117	0.121881	chr5_1410	sig	hyper
chr5	141100401	141100600	*	6.10E-75	3.63E-74	0.21307	chr5_1411	sig	hyper
chr5	141100601	141100800	*	2.89E-37	1.03E-36	0.160754	chr5_1411	sig	hyper
chr5	141101201	141101400	*	7.55E-65	3.97E-64	0.112591	chr5_1411	sig	hyper
chr5	141102001	141102200	*	4.98E-41	1.89E-40	0.135766	chr5_1411	sig	hyper
chr5	141121601	141121800	*	6.80E-105	5.64E-104	0.227929	chr5_1411	sig	hyper
chr5	141121801	141122000	*	2.29E-62	1.16E-61	0.144934	chr5_1411	sig	hyper
chr5	141135601	141135800	*	4.27E-36	1.49E-35	0.174666	chr5_1411	sig	hyper
chr5	141149801	141150000	*	1.91E-16	4.20E-16	0.105409	chr5_1411	sig	hyper
chr5	141150001	141150200	*	1.06E-117	1.01E-116	0.204706	chr5_1411	sig	hyper
chr5	141151401	141151600	*	4.44E-19	1.05E-18	0.100268	chr5_1411	sig	hyper
chr5	141152401	141152600	*	5.80E-24	1.57E-23	0.153642	chr5_1411	sig	hyper
chr5	141156001	141156200	*	3.46E-28	1.03E-27	0.101496	chr5_1411	sig	hyper
chr5	141156401	141156600	*	2.11E-23	5.61E-23	0.107684	chr5_1411	sig	hyper
chr5	141156601	141156800	*	1.32E-30	4.15E-30	0.100249	chr5_1411	sig	hyper
chr5	141183801	141184000	*	8.80E-44	3.48E-43	0.155805	chr5_1411	sig	hyper
chr5	141188601	141188800	*	6.94E-93	5.02E-92	0.157508	chr5_1411	sig	hyper
chr5	141189401	141189600	*	2.72E-49	1.17E-48	0.157794	chr5_1411	sig	hyper
chr5	141193801	141194000	*	1.52E-38	5.50E-38	0.128673	chr5_1411	sig	hyper
chr5	141201001	141201200	*	3.90E-55	1.82E-54	0.178434	chr5_1412	sig	hyper
chr5	141201201	141201400	*	1.03E-33	3.45E-33	0.169105	chr5_1412	sig	hyper
chr5	141210201	141210400	*	2.27E-51	1.00E-50	0.113513	chr5_1412	sig	hyper
chr5	141215401	141215600	*	1.67E-77	1.02E-76	0.109133	chr5_1412	sig	hyper
chr5	141224801	141225000	*	5.58E-132	6.19E-131	0.220503	chr5_1412	sig	hyper
chr5	141225601	141225800	*	7.09E-115	6.55E-114	0.200273	chr5_1412	sig	hyper
chr5	141234201	141234400	*	1.94E-158	2.80E-157	0.313047	chr5_1412	sig	hyper
chr5	141234401	141234600	*	7.40E-108	6.31E-107	0.235794	chr5_1412	sig	hyper
chr5	141234801	141235000	*	4.82E-61	2.41E-60	0.20965	chr5_1412	sig	hyper
chr5	141235801	141236000	*	3.91E-163	5.92E-162	0.214033	chr5_1412	sig	hyper

chr5	141236601	141236800	*	1.49E-101	1.19E-100	0.256661	chr5_1412	sig	hyper
chr5	141236801	141237000	*	5.15E-106	4.31E-105	0.213494	chr5_1412	sig	hyper
chr5	141239801	141240000	*	1.33E-31	4.27E-31	0.151156	chr5_1412	sig	hyper
chr5	141242001	141242200	*	2.74E-54	1.26E-53	0.126734	chr5_1412	sig	hyper
chr5	141245601	141245800	*	4.02E-83	2.63E-82	0.198661	chr5_1412	sig	hyper
chr5	141247601	141247800	*	9.96E-55	4.61E-54	0.155258	chr5_1412	sig	hyper
chr5	141326201	141326400	*	2.22E-63	1.14E-62	0.161149	chr5_1413	sig	hyper
chr5	141326401	141326600	*	3.50E-36	1.22E-35	0.148834	chr5_1413	sig	hyper
chr5	141326601	141326800	*	4.12E-60	2.04E-59	0.16407	chr5_1413	sig	hyper
chr5	141330801	141331000	*	3.87E-98	2.98E-97	0.138735	chr5_1413	sig	hyper
chr5	141332801	141333000	*	6.81E-142	8.36E-141	0.12383	chr5_1413	sig	hyper
chr5	141339201	141339400	*	6.70E-98	5.13E-97	0.188342	chr5_1413	sig	hyper
chr5	141344201	141344400	*	4.73E-59	2.31E-58	0.116865	chr5_1413	sig	hyper
chr5	141345601	141345800	*	8.43E-136	9.75E-135	0.130173	chr5_1413	sig	hyper
chr5	141346201	141346400	*	2.30E-147	2.99E-146	0.128747	chr5_1413	sig	hyper
chr5	141350201	141350400	*	3.17E-81	2.03E-80	0.198186	chr5_1413	sig	hyper
chr5	141350401	141350600	*	5.43E-79	3.39E-78	0.145732	chr5_1413	sig	hyper
chr5	141350801	141351000	*	5.54E-29	1.68E-28	0.106794	chr5_1413	sig	hyper
chr5	141351601	141351800	*	2.89E-94	2.13E-93	0.12082	chr5_1413	sig	hyper
chr5	141352201	141352400	*	7.24E-90	5.07E-89	0.144439	chr5_1413	sig	hyper
chr5	141355001	141355200	*	1.32E-73	7.72E-73	0.171147	chr5_1413	sig	hyper
chr5	141355201	141355400	*	2.27E-97	1.73E-96	0.190652	chr5_1413	sig	hyper
chr5	141357401	141357600	*	2.06E-52	9.24E-52	0.14518	chr5_1413	sig	hyper
chr5	141360201	141360400	*	2.61E-75	1.56E-74	0.132984	chr5_1413	sig	hyper
chr5	141361601	141361800	*	7.03E-69	3.89E-68	0.143989	chr5_1413	sig	hyper
chr5	141364201	141364400	*	1.61E-58	7.84E-58	0.160762	chr5_1413	sig	hyper
chr5	141364401	141364600	*	5.02E-42	1.93E-41	0.138865	chr5_1413	sig	hyper
chr5	141364601	141364800	*	6.17E-65	3.25E-64	0.217614	chr5_1413	sig	hyper
chr5	141364801	141365000	*	1.13E-78	7.01E-78	0.148296	chr5_1413	sig	hyper
chr5	141365001	141365200	*	8.45E-37	2.98E-36	0.125156	chr5_1413	sig	hyper
chr5	141365601	141365800	*	2.04E-35	7.02E-35	0.161357	chr5_1413	sig	hyper
chr5	141365801	141366000	*	8.27E-21	2.06E-20	0.117181	chr5_1413	sig	hyper
chr5	141366601	141366800	*	1.48E-29	4.54E-29	0.113516	chr5_1413	sig	hyper
chr5	141370201	141370400	*	5.77E-92	4.14E-91	0.201111	chr5_1413	sig	hyper
chr5	141370401	141370600	*	7.93E-132	8.78E-131	0.37495	chr5_1413	sig	hyper
chr5	141371801	141372000	*	5.07E-114	4.64E-113	0.160213	chr5_1413	sig	hyper
chr5	141372201	141372400	*	9.56E-60	4.71E-59	0.115695	chr5_1413	sig	hyper
chr5	141373801	141374000	*	7.16E-54	3.27E-53	0.148257	chr5_1413	sig	hyper
chr5	141374001	141374200	*	3.25E-134	3.71E-133	0.166718	chr5_1413	sig	hyper
chr5	141374201	141374400	*	1.63E-81	1.05E-80	0.105519	chr5_1413	sig	hyper
chr5	141375601	141375800	*	5.00E-32	1.62E-31	0.116509	chr5_1413	sig	hyper
chr5	141382601	141382800	*	1.48E-154	2.06E-153	0.244601	chr5_1413	sig	hyper
chr5	141383001	141383200	*	1.75E-146	2.26E-145	0.221019	chr5_1413	sig	hyper
chr5	141383201	141383400	*	7.23E-51	3.17E-50	0.152679	chr5_1413	sig	hyper
chr5	141383401	141383600	*	1.25E-67	6.81E-67	0.157718	chr5_1413	sig	hyper
chr5	141384801	141385000	*	2.47E-44	9.85E-44	0.103753	chr5_1413	sig	hyper
chr5	141387601	141387800	*	1.17E-192	2.36E-191	0.186963	chr5_1413	sig	hyper
chr5	141389401	141389600	*	1.24E-233	3.72E-232	0.125629	chr5_1413	sig	hyper
chr5	141390001	141390200	*	6.80E-52	3.02E-51	0.167596	chr5_1413	sig	hyper
chr5	141392801	141393000	*	2.88E-104	2.37E-103	0.162927	chr5_1413	sig	hyper
chr5	141393001	141393200	*	2.30E-115	2.14E-114	0.118364	chr5_1413	sig	hyper
chr5	141393201	141393400	*	5.13E-37	1.81E-36	0.109038	chr5_1413	sig	hyper
chr5	141393401	141393600	*	6.51E-102	5.23E-101	0.135329	chr5_1413	sig	hyper
chr5	141394201	141394400	*	9.89E-54	4.50E-53	0.136482	chr5_1413	sig	hyper
chr5	141394801	141395000	*	1.02E-119	9.97E-119	0.157074	chr5_1413	sig	hyper
chr5	141395001	141395200	*	3.98E-67	2.15E-66	0.173142	chr5_1413	sig	hyper

chr5	141398801	141399000	*	9.53E-183	1.73E-181	0.195238	chr5_1413	sig	hyper
chr5	141399401	141399600	*	1.53E-77	9.37E-77	0.149617	chr5_1413	sig	hyper
chr5	141399601	141399800	*	9.16E-180	1.62E-178	0.147117	chr5_1413	sig	hyper
chr5	141399801	141400000	*	1.70E-206	3.94E-205	0.186037	chr5_1413	sig	hyper
chr5	141402801	141403000	*	1.14E-81	7.35E-81	0.196363	chr5_1414	sig	hyper
chr5	141403001	141403200	*	4.16E-302	2.32E-300	0.254725	chr5_1414	sig	hyper
chr5	141403201	141403400	*	5.99E-188	1.15E-186	0.198346	chr5_1414	sig	hyper
chr5	141403401	141403600	*	1.71E-83	1.12E-82	0.182773	chr5_1414	sig	hyper
chr5	141403601	141403800	*	2.94E-134	3.35E-133	0.165009	chr5_1414	sig	hyper
chr5	141408201	141408400	*	9.35E-133	1.05E-131	0.248027	chr5_1414	sig	hyper
chr5	141409601	141409800	*	1.05E-69	5.86E-69	0.150582	chr5_1414	sig	hyper
chr5	141409801	141410000	*	8.15E-146	1.04E-144	0.162548	chr5_1414	sig	hyper
chr5	141410001	141410200	*	1.81E-79	1.14E-78	0.160666	chr5_1414	sig	hyper
chr5	141413801	141414000	*	7.62E-155	1.06E-153	0.229545	chr5_1414	sig	hyper
chr5	141415401	141415600	*	2.33E-94	1.72E-93	0.204373	chr5_1414	sig	hyper
chr5	141419201	141419400	*	1.22E-135	1.41E-134	0.149969	chr5_1414	sig	hyper
chr5	141419401	141419600	*	4.61E-147	5.98E-146	0.151597	chr5_1414	sig	hyper
chr5	141421001	141421200	*	3.41E-209	8.10E-208	0.272763	chr5_1414	sig	hyper
chr5	141421201	141421400	*	0	0	0.264441	chr5_1414	sig	hyper
chr5	141421601	141421800	*	2.72E-185	5.05E-184	0.27249	chr5_1414	sig	hyper
chr5	141421801	141422000	*	1.22E-163	1.86E-162	0.23334	chr5_1414	sig	hyper
chr5	141422801	141423000	*	3.66E-94	2.68E-93	0.187417	chr5_1414	sig	hyper
chr5	141423001	141423200	*	1.52E-287	7.40E-286	0.228301	chr5_1414	sig	hyper
chr5	141423201	141423400	*	1.13E-158	1.64E-157	0.191211	chr5_1414	sig	hyper
chr5	141423401	141423600	*	8.31E-60	4.10E-59	0.183199	chr5_1414	sig	hyper
chr5	141427601	141427800	*	6.11E-62	3.09E-61	0.115132	chr5_1414	sig	hyper
chr5	141430401	141430600	*	2.76E-95	2.05E-94	0.265106	chr5_1414	sig	hyper
chr5	141430601	141430800	*	6.32E-143	7.84E-142	0.271594	chr5_1414	sig	hyper
chr5	141430801	141431000	*	0	0	0.262293	chr5_1414	sig	hyper
chr5	141431201	141431400	*	0	0	0.267723	chr5_1414	sig	hyper
chr5	141431401	141431600	*	0.00E+00	0.00E+00	0.226125	chr5_1414	sig	hyper
chr5	141431601	141431800	*	4.80E-144	6.02E-143	0.208143	chr5_1414	sig	hyper
chr5	141432001	141432200	*	1.37E-127	1.46E-126	0.213903	chr5_1414	sig	hyper
chr5	141432801	141433000	*	8.45E-157	1.21E-155	0.170196	chr5_1414	sig	hyper
chr5	141433001	141433200	*	1.60E-71	9.16E-71	0.208683	chr5_1414	sig	hyper
chr5	141442001	141442200	*	3.34E-34	1.13E-33	0.130333	chr5_1414	sig	hyper
chr5	141476201	141476400	*	2.07E-112	1.86E-111	0.118576	chr5_1414	sig	hyper
chr5	141476601	141476800	*	0.00E+00	5.28E-307	0.291644	chr5_1414	sig	hyper
chr5	141476801	141477000	*	0	0	0.294524	chr5_1414	sig	hyper
chr5	141478201	141478400	*	3.47E-289	1.75E-287	0.351623	chr5_1414	sig	hyper
chr5	141485001	141485200	*	0	0	0.363341	chr5_1414	sig	hyper
chr5	141491801	141492000	*	3.48E-86	2.35E-85	0.203197	chr5_1414	sig	hyper
chr5	141512601	141512800	*	1.39E-151	1.89E-150	0.241429	chr5_1415	sig	hyper
chr5	143402001	143402200	*	1.39E-31	4.46E-31	0.121197	chr5_1434	sig	hyper
chr5	143405601	143405800	*	9.45E-228	2.69E-226	0.243423	chr5_1434	sig	hyper
chr5	145836001	145836200	*	7.38E-52	3.28E-51	-0.11328	chr5_1458	sig	hypo
chr5	146334001	146334200	*	9.19E-49	3.92E-48	0.15315	chr5_1463	sig	hyper
chr5	146334201	146334400	*	1.80E-120	1.77E-119	0.202236	chr5_1463	sig	hyper
chr5	146337601	146337800	*	2.89E-68	1.59E-67	0.249461	chr5_1463	sig	hyper
chr5	146338001	146338200	*	4.26E-87	2.89E-86	0.174895	chr5_1463	sig	hyper
chr5	146338801	146339000	*	1.39E-199	2.98E-198	0.19908	chr5_1463	sig	hyper
chr5	146339001	146339200	*	0	0	0.277086	chr5_1463	sig	hyper
chr5	146340201	146340400	*	3.66E-111	3.24E-110	0.219206	chr5_1463	sig	hyper
chr5	146340401	146340600	*	9.59E-162	1.43E-160	0.271171	chr5_1463	sig	hyper
chr5	146342801	146343000	*	0	0	0.292167	chr5_1463	sig	hyper
chr5	146343201	146343400	*	7.54E-123	7.60E-122	0.147444	chr5_1463	sig	hyper

chr5	146379201	146379400	*	7.28E-197	1.52E-195	0.224811	chr5_1463	sig	hyper
chr5	146877801	146878000	*	4.38E-54	2.01E-53	0.109946	chr5_1468	sig	hyper
chr5	146878201	146878400	*	7.25E-140	8.71E-139	0.154171	chr5_1468	sig	hyper
chr5	147508801	147509000	*	7.69E-17	1.71E-16	-0.10407	chr5_1475	sig	hypo
chr5	149271401	149271600	*	5.53E-24	1.50E-23	0.103972	chr5_1492	sig	hyper
chr5	150303201	150303400	*	8.43E-55	3.91E-54	0.140411	chr5_1503	sig	hyper
chr5	150661201	150661400	*	1.78E-25	4.99E-25	-0.11327	chr5_1506	sig	hypo
chr5	150946201	150946400	*	6.79E-27	1.96E-26	0.122649	chr5_1509	sig	hyper
chr5	154479201	154479400	*	7.27E-240	2.34E-238	0.153366	chr5_1544	sig	hyper
chr5	154479401	154479600	*	3.25E-88	2.24E-87	0.100498	chr5_1544	sig	hyper
chr5	154480001	154480200	*	1.50E-37	5.35E-37	0.114324	chr5_1544	sig	hyper
chr5	154691401	154691600	*	2.54E-49	1.09E-48	0.180595	chr5_1546	sig	hyper
chr5	154691601	154691800	*	2.27E-29	6.93E-29	0.127057	chr5_1546	sig	hyper
chr5	154850601	154850800	*	3.31E-27	9.67E-27	0.120695	chr5_1548	sig	hyper
chr5	155013801	155014000	*	1.12E-49	4.84E-49	-0.13853	chr5_1550	sig	hypo
chr5	155728801	155729000	*	6.56E-187	1.24E-185	0.219302	chr5_1557	sig	hyper
chr5	155729401	155729600	*	4.04E-134	4.60E-133	0.254279	chr5_1557	sig	hyper
chr5	155729801	155730000	*	2.65E-31	8.44E-31	0.105491	chr5_1557	sig	hyper
chr5	159051601	159051800	*	2.23E-46	9.19E-46	0.107025	chr5_1590	sig	hyper
chr5	159095401	159095600	*	2.82E-136	3.27E-135	0.162603	chr5_1590	sig	hyper
chr5	159096401	159096600	*	1.47E-71	8.42E-71	0.179388	chr5_1590	sig	hyper
chr5	159096801	159097000	*	8.20E-91	5.81E-90	0.288089	chr5_1590	sig	hyper
chr5	159097201	159097400	*	6.57E-224	1.79E-222	0.244501	chr5_1590	sig	hyper
chr5	159100601	159100800	*	1.03E-194	2.12E-193	0.249304	chr5_1591	sig	hyper
chr5	159101001	159101200	*	2.69E-113	2.44E-112	0.170898	chr5_1591	sig	hyper
chr5	159104401	159104600	*	8.38E-162	1.25E-160	0.229484	chr5_1591	sig	hyper
chr5	159104601	159104800	*	1.77E-151	2.39E-150	0.283716	chr5_1591	sig	hyper
chr5	159104801	159105000	*	8.07E-102	6.48E-101	0.315617	chr5_1591	sig	hyper
chr5	159105201	159105400	*	1.16E-131	1.28E-130	0.200398	chr5_1591	sig	hyper
chr5	159105401	159105600	*	1.36E-67	7.44E-67	0.162676	chr5_1591	sig	hyper
chr5	161545801	161546000	*	5.71E-21	1.42E-20	0.115273	chr5_1615	sig	hyper
chr5	168529801	168530000	*	5.21E-125	5.38E-124	0.174995	chr5_1685	sig	hyper
chr5	169301201	169301400	*	2.06E-65	1.09E-64	0.253606	chr5_1693	sig	hyper
chr5	169301401	169301600	*	9.34E-169	1.50E-167	0.22849	chr5_1693	sig	hyper
chr5	169637601	169637800	*	1.34E-142	1.65E-141	0.299275	chr5_1696	sig	hyper
chr5	171307801	171308000	*	1.42E-56	6.72E-56	0.190649	chr5_1713	sig	hyper
chr5	171308001	171308200	*	1.20E-131	1.32E-130	0.2287	chr5_1713	sig	hyper
chr5	171308201	171308400	*	0	0	0.299963	chr5_1713	sig	hyper
chr5	171308601	171308800	*	9.85E-121	9.70E-120	0.29122	chr5_1713	sig	hyper
chr5	171309201	171309400	*	6.06E-119	5.86E-118	0.237695	chr5_1713	sig	hyper
chr5	171310201	171310400	*	1.49E-241	4.89E-240	0.189168	chr5_1713	sig	hyper
chr5	171313801	171314000	*	1.95E-268	8.03E-267	0.239104	chr5_1713	sig	hyper
chr5	171315201	171315400	*	5.82E-133	6.54E-132	0.232974	chr5_1713	sig	hyper
chr5	171316401	171316600	*	5.01E-249	1.76E-247	0.318756	chr5_1713	sig	hyper
chr5	171316801	171317000	*	2.35E-186	4.43E-185	0.302001	chr5_1713	sig	hyper
chr5	173228801	173229000	*	1.77E-85	1.18E-84	0.135978	chr5_1732	sig	hyper
chr5	173229001	173229200	*	1.59E-64	8.35E-64	0.152198	chr5_1732	sig	hyper
chr5	173232201	173232400	*	6.11E-48	2.58E-47	0.138186	chr5_1732	sig	hyper
chr5	173233001	173233200	*	2.51E-83	1.64E-82	0.132613	chr5_1732	sig	hyper
chr5	173233801	173234000	*	1.15E-183	2.10E-182	0.190266	chr5_1732	sig	hyper
chr5	173234001	173234200	*	1.26E-252	4.56E-251	0.269016	chr5_1732	sig	hyper
chr5	173234401	173234600	*	1.12E-31	3.60E-31	0.166931	chr5_1732	sig	hyper
chr5	173234801	173235000	*	5.88E-205	1.34E-203	0.156558	chr5_1732	sig	hyper
chr5	173236601	173236800	*	4.48E-76	2.70E-75	0.135409	chr5_1732	sig	hyper
chr5	173238201	173238400	*	1.98E-39	7.32E-39	0.119514	chr5_1732	sig	hyper
chr5	173243801	173244000	*	4.69E-79	2.93E-78	0.185653	chr5_1732	sig	hyper

chr5	173244001	173244200	*	8.97E-50	3.88E-49	0.15927	chr5_1732	sig	hyper
chr5	173244401	173244600	*	1.29E-147	1.69E-146	0.24225	chr5_1732	sig	hyper
chr5	173244601	173244800	*	1.32E-236	4.11E-235	0.304066	chr5_1732	sig	hyper
chr5	173245201	173245400	*	1.04E-168	1.67E-167	0.276982	chr5_1732	sig	hyper
chr5	173245401	173245600	*	1.13E-203	2.55E-202	0.205336	chr5_1732	sig	hyper
chr5	173245601	173245800	*	0	0	0.236989	chr5_1732	sig	hyper
chr5	173246001	173246200	*	1.97E-186	3.71E-185	0.24753	chr5_1732	sig	hyper
chr5	173246201	173246400	*	5.86E-27	1.70E-26	0.123404	chr5_1732	sig	hyper
chr5	173555601	173555800	*	2.67E-45	1.08E-44	-0.14251	chr5_1735	sig	hypo
chr5	174311201	174311400	*	9.07E-32	2.92E-31	-0.13982	chr5_1743	sig	hypo
chr5	174731801	174732000	*	0	0	0.344646	chr5_1747	sig	hyper
chr5	174732001	174732200	*	0	0	0.411257	chr5_1747	sig	hyper
chr5	174732601	174732800	*	2.79E-280	1.25E-278	0.324831	chr5_1747	sig	hyper
chr5	175443801	175444000	*	1.84E-138	2.19E-137	0.239666	chr5_1754	sig	hyper
chr5	175445001	175445200	*	7.15E-29	2.16E-28	0.121282	chr5_1754	sig	hyper
chr5	176133401	176133600	*	7.23E-77	4.40E-76	0.112534	chr5_1761	sig	hyper
chr5	176619801	176620000	*	1.99E-122	2.00E-121	0.223423	chr5_1766	sig	hyper
chr5	176630001	176630200	*	5.31E-227	1.49E-225	0.125954	chr5_1766	sig	hyper
chr5	176661401	176661600	*	2.41E-58	1.17E-57	-0.15058	chr5_1766	sig	hypo
chr5	176741401	176741600	*	9.03E-24	2.43E-23	-0.10346	chr5_1767	sig	hypo
chr5	176744201	176744400	*	4.70E-103	3.81E-102	0.129891	chr5_1767	sig	hyper
chr5	176789801	176790000	*	1.60E-17	3.63E-17	0.101844	chr5_1767	sig	hyper
chr5	176868801	176869000	*	5.14E-67	2.78E-66	-0.10598	chr5_1768	sig	hypo
chr5	176869601	176869800	*	1.44E-91	1.03E-90	-0.10831	chr5_1768	sig	hypo
chr5	176880801	176881000	*	1.45E-24	3.98E-24	-0.11738	chr5_1768	sig	hypo
chr5	176887201	176887400	*	1.31E-116	1.23E-115	-0.1908	chr5_1768	sig	hypo
chr5	176887601	176887800	*	6.48E-38	2.32E-37	-0.10446	chr5_1768	sig	hypo
chr5	177116801	177117000	*	0.00E+00	0.00E+00	0.232095	chr5_1771	sig	hyper
chr5	177117001	177117200	*	3.24E-118	3.11E-117	0.198537	chr5_1771	sig	hyper
chr5	177132801	177133000	*	8.64E-30	2.67E-29	0.109962	chr5_1771	sig	hyper
chr5	177309401	177309600	*	6.94E-21	1.73E-20	-0.10892	chr5_1773	sig	hypo
chr5	177328201	177328400	*	8.19E-46	3.34E-45	-0.15386	chr5_1773	sig	hypo
chr5	177328401	177328600	*	6.24E-24	1.69E-23	-0.10344	chr5_1773	sig	hypo
chr5	177366801	177367000	*	2.12E-24	5.79E-24	0.13711	chr5_1773	sig	hyper
chr5	177383801	177384000	*	2.00E-23	5.32E-23	-0.11675	chr5_1773	sig	hypo
chr5	177384001	177384200	*	3.24E-27	9.45E-27	-0.14027	chr5_1773	sig	hypo
chr5	177474401	177474600	*	2.30E-47	9.64E-47	-0.18715	chr5_1774	sig	hypo
chr5	177474601	177474800	*	2.34E-86	1.58E-85	-0.15215	chr5_1774	sig	hypo
chr5	177503201	177503400	*	1.40E-42	5.42E-42	-0.10677	chr5_1775	sig	hypo
chr5	177503601	177503800	*	2.51E-59	1.23E-58	-0.17397	chr5_1775	sig	hypo
chr5	177604201	177604400	*	5.28E-100	4.15E-99	-0.25005	chr5_1776	sig	hypo
chr5	177984601	177984800	*	4.23E-145	5.37E-144	0.277029	chr5_1779	sig	hyper
chr5	178154401	178154600	*	5.74E-27	1.66E-26	-0.11519	chr5_1781	sig	hypo
chr5	178165601	178165800	*	5.13E-65	2.70E-64	0.159279	chr5_1781	sig	hyper
chr5	178281401	178281600	*	1.92E-93	1.40E-92	-0.15302	chr5_1782	sig	hypo
chr5	178449801	178450000	*	2.19E-112	1.96E-111	-0.17705	chr5_1784	sig	hypo
chr5	178465601	178465800	*	9.14E-25	2.52E-24	-0.13712	chr5_1784	sig	hypo
chr5	178502801	178503000	*	3.84E-123	3.88E-122	-0.15188	chr5_1785	sig	hypo
chr5	178577001	178577200	*	4.85E-187	9.20E-186	0.220372	chr5_1785	sig	hyper
chr5	178590801	178591000	*	4.77E-158	6.88E-157	0.150917	chr5_1785	sig	hyper
chr5	178940601	178940800	*	4.57E-92	3.28E-91	0.290498	chr5_1789	sig	hyper
chr5	178941201	178941400	*	1.94E-105	1.62E-104	0.273964	chr5_1789	sig	hyper
chr5	178994201	178994400	*	2.48E-79	1.55E-78	0.218864	chr5_1789	sig	hyper
chr5	179023601	179023800	*	8.50E-253	3.10E-251	0.138718	chr5_1790	sig	hyper
chr5	179060201	179060400	*	1.42E-66	7.64E-66	0.156528	chr5_1790	sig	hyper
chr5	179060401	179060600	*	6.43E-185	1.19E-183	0.148873	chr5_1790	sig	hyper

chr5	179060601	179060800	*	1.01E-187	1.94E-186	0.292661	chr5_1790	sig	hyper
chr5	179060801	179061000	*	1.27E-127	1.35E-126	0.223201	chr5_1790	sig	hyper
chr5	179138801	179139000	*	9.48E-118	9.04E-117	-0.20651	chr5_1791	sig	hypo
chr5	179209801	179210000	*	1.69E-52	7.57E-52	-0.17465	chr5_1792	sig	hypo
chr5	179314201	179314400	*	8.79E-32	2.83E-31	-0.10209	chr5_1793	sig	hypo
chr5	179530401	179530600	*	4.73E-133	5.32E-132	0.215955	chr5_1795	sig	hyper
chr5	179679201	179679400	*	1.47E-31	4.70E-31	0.162294	chr5_1796	sig	hyper
chr5	179794001	179794200	*	2.39E-48	1.01E-47	0.139189	chr5_1797	sig	hyper
chr5	179966801	179967000	*	7.29E-44	2.90E-43	-0.13392	chr5_1799	sig	hypo
chr5	179975201	179975400	*	7.00E-38	2.51E-37	-0.19319	chr5_1799	sig	hypo
chr5	180090001	180090200	*	2.90E-20	7.12E-20	0.112688	chr5_1800	sig	hyper
chr5	180336401	180336600	*	4.22E-77	2.57E-76	-0.20065	chr5_1803	sig	hypo
chr5	180352001	180352200	*	3.86E-40	1.44E-39	-0.11783	chr5_1803	sig	hypo
chr5	180609201	180609400	*	4.14E-96	3.11E-95	-0.22866	chr5_1806	sig	hypo
chr5	180629201	180629400	*	9.83E-119	9.48E-118	-0.23345	chr5_1806	sig	hypo
chr5	180804001	180804200	*	1.89E-40	7.10E-40	0.113548	chr5_1808	sig	hyper
chr5	181059601	181059800	*	9.17E-301	5.06E-299	0.172708	chr5_1810	sig	hyper
chr5	181100401	181100600	*	0	0	0.190643	chr5_1811	sig	hyper
chr5	181100601	181100800	*	5.11E-118	4.89E-117	0.195218	chr5_1811	sig	hyper
chr5	181114001	181114200	*	9.88E-26	2.79E-25	-0.11406	chr5_1811	sig	hypo
chr5	181114601	181114800	*	1.88E-63	9.69E-63	0.176309	chr5_1811	sig	hyper
chr5	181114801	181115000	*	6.57E-93	4.76E-92	0.162353	chr5_1811	sig	hyper
chr5	181173801	181174000	*	3.30E-192	6.63E-191	0.18536	chr5_1811	sig	hyper
chr5	181174201	181174400	*	4.52E-82	2.92E-81	0.255117	chr5_1811	sig	hyper
chr5	181244801	181245000	*	2.65E-20	6.49E-20	-0.11749	chr5_1812	sig	hypo
chr6	292401	292600	*	2.60E-64	1.36E-63	0.11397	chr6_2924	sig	hyper
chr6	292801	293000	*	1.64E-22	4.27E-22	0.102072	chr6_2928	sig	hyper
chr6	387001	387200	*	8.38E-36	2.91E-35	-0.12725	chr6_3870	sig	hypo
chr6	391201	391400	*	4.84E-236	1.49E-234	0.289145	chr6_3912	sig	hyper
chr6	393201	393400	*	0	0	0.306197	chr6_3932	sig	hyper
chr6	401401	401600	*	8.76E-154	1.21E-152	-0.22157	chr6_4014	sig	hypo
chr6	436601	436800	*	0.00E+00	0.00E+00	-0.31221	chr6_4366	sig	hypo
chr6	436801	437000	*	6.51E-55	3.02E-54	-0.10554	chr6_4368	sig	hypo
chr6	467201	467400	*	7.18E-46	2.93E-45	-0.10217	chr6_4672	sig	hypo
chr6	1379401	1379600	*	5.92E-63	3.04E-62	0.114814	chr6_1379	sig	hyper
chr6	1388801	1389000	*	7.48E-70	4.19E-69	0.144128	chr6_1388	sig	hyper
chr6	1394801	1395000	*	1.96E-56	9.26E-56	0.127255	chr6_1394	sig	hyper
chr6	1555201	1555400	*	7.55E-37	2.66E-36	0.128594	chr6_1555	sig	hyper
chr6	1594201	1594400	*	9.52E-53	4.28E-52	-0.14918	chr6_1594	sig	hypo
chr6	1624601	1624800	*	5.37E-36	1.87E-35	0.152142	chr6_1624	sig	hyper
chr6	1625001	1625200	*	1.19E-173	2.00E-172	0.242133	chr6_1625	sig	hyper
chr6	1625201	1625400	*	9.60E-255	3.55E-253	0.243842	chr6_1625	sig	hyper
chr6	2637201	2637400	*	2.90E-37	1.03E-36	-0.12359	chr6_2637	sig	hypo
chr6	2697401	2697600	*	3.67E-86	2.47E-85	-0.20236	chr6_2697	sig	hypo
chr6	2891601	2891800	*	2.20E-18	5.12E-18	-0.10978	chr6_2891	sig	hypo
chr6	2940601	2940800	*	8.92E-33	2.93E-32	0.14047	chr6_2940	sig	hyper
chr6	3253601	3253800	*	2.86E-32	9.33E-32	-0.10599	chr6_3253	sig	hypo
chr6	3270201	3270400	*	3.11E-109	2.70E-108	-0.20787	chr6_3270	sig	hypo
chr6	3743201	3743400	*	1.33E-33	4.44E-33	0.10819	chr6_3743	sig	hyper
chr6	3752401	3752600	*	3.27E-83	2.14E-82	0.210952	chr6_3752	sig	hyper
chr6	5030801	5031000	*	2.68E-30	8.36E-30	-0.10959	chr6_5030	sig	hypo
chr6	5994201	5994400	*	1.59E-73	9.27E-73	0.201385	chr6_5994	sig	hyper
chr6	5994801	5995000	*	2.65E-52	1.18E-51	0.169041	chr6_5994	sig	hyper
chr6	5995401	5995600	*	1.00E-15	2.15E-15	0.106891	chr6_5995	sig	hyper
chr6	5999001	5999200	*	2.92E-87	1.98E-86	0.12249	chr6_5999	sig	hyper
chr6	6001601	6001800	*	3.28E-39	1.21E-38	0.15722	chr6_6001	sig	hyper

chr6	6003001	6003200	*	6.40E-289	3.20E-287	0.274672	chr6_6003	sig	hyper
chr6	6004001	6004200	*	1.04E-71	5.97E-71	0.206369	chr6_6004	sig	hyper
chr6	6004601	6004800	*	1.49E-300	8.14E-299	0.224965	chr6_6004	sig	hyper
chr6	6614401	6614600	*	7.72E-40	2.87E-39	-0.15453	chr6_6614	sig	hypo
chr6	6725001	6725200	*	3.23E-51	1.42E-50	-0.12614	chr6_6725	sig	hypo
chr6	6736801	6737000	*	1.61E-30	5.06E-30	0.119506	chr6_6736	sig	hyper
chr6	6750201	6750400	*	1.78E-43	7.00E-43	-0.11913	chr6_6750	sig	hypo
chr6	6759401	6759600	*	6.15E-26	1.74E-25	-0.12339	chr6_6759	sig	hypo
chr6	7427001	7427200	*	1.21E-33	4.05E-33	0.115539	chr6_7427	sig	hyper
chr6	7468401	7468600	*	1.84E-186	3.49E-185	-0.3384	chr6_7468	sig	hypo
chr6	7468601	7468800	*	1.53E-171	2.55E-170	-0.37819	chr6_7468	sig	hypo
chr6	7591001	7591200	*	1.32E-22	3.43E-22	-0.1178	chr6_7591	sig	hypo
chr6	8436001	8436200	*	1.57E-22	4.07E-22	-0.10518	chr6_8436	sig	hypo
chr6	10099201	10099400	*	1.22E-56	5.80E-56	-0.19441	chr6_1009	sig	hypo
chr6	10099401	10099600	*	5.94E-87	4.02E-86	-0.23498	chr6_1009	sig	hypo
chr6	10381401	10381600	*	2.98E-204	6.77E-203	0.311131	chr6_1038	sig	hyper
chr6	10382401	10382600	*	4.86E-156	6.86E-155	0.269831	chr6_1038	sig	hyper
chr6	10382601	10382800	*	4.05E-197	8.49E-196	0.286957	chr6_1038	sig	hyper
chr6	10384801	10385000	*	1.26E-286	6.07E-285	0.243515	chr6_1038	sig	hyper
chr6	10385001	10385200	*	8.71E-139	1.04E-137	0.279299	chr6_1038	sig	hyper
chr6	10385201	10385400	*	4.11E-94	3.01E-93	0.225505	chr6_1038	sig	hyper
chr6	10385601	10385800	*	1.61E-156	2.29E-155	0.259321	chr6_1038	sig	hyper
chr6	10389801	10390000	*	8.04E-165	1.24E-163	0.2888	chr6_1038	sig	hyper
chr6	10390001	10390200	*	2.72E-86	1.83E-85	0.285269	chr6_1039	sig	hyper
chr6	10390601	10390800	*	4.49E-219	1.16E-217	0.347964	chr6_1039	sig	hyper
chr6	10410201	10410400	*	3.44E-69	1.91E-68	0.169228	chr6_1041	sig	hyper
chr6	10414801	10415000	*	2.99E-52	1.33E-51	0.118463	chr6_1041	sig	hyper
chr6	10416201	10416400	*	9.34E-77	5.68E-76	0.16345	chr6_1041	sig	hyper
chr6	10417001	10417200	*	1.47E-92	1.06E-91	0.248267	chr6_1041	sig	hyper
chr6	10417401	10417600	*	9.73E-221	2.55E-219	0.201302	chr6_1041	sig	hyper
chr6	10419001	10419200	*	4.45E-172	7.41E-171	0.212179	chr6_1041	sig	hyper
chr6	10422001	10422200	*	1.47E-119	1.43E-118	0.197886	chr6_1042	sig	hyper
chr6	10422201	10422400	*	1.10E-244	3.69E-243	0.261241	chr6_1042	sig	hyper
chr6	10425201	10425400	*	1.67E-94	1.23E-93	0.191323	chr6_1042	sig	hyper
chr6	10425401	10425600	*	2.86E-96	2.15E-95	0.203959	chr6_1042	sig	hyper
chr6	10881601	10881800	*	8.02E-154	1.11E-152	0.208937	chr6_1088	sig	hyper
chr6	10882801	10883000	*	0	0	0.298526	chr6_1088	sig	hyper
chr6	10883601	10883800	*	8.04E-109	6.93E-108	0.294611	chr6_1088	sig	hyper
chr6	10883801	10884000	*	6.18E-103	5.01E-102	0.283653	chr6_1088	sig	hyper
chr6	10886801	10887000	*	3.05E-119	2.96E-118	0.181367	chr6_1088	sig	hyper
chr6	10887001	10887200	*	2.76E-61	1.38E-60	0.140073	chr6_1088	sig	hyper
chr6	10887201	10887400	*	5.39E-182	9.70E-181	0.280975	chr6_1088	sig	hyper
chr6	12749001	12749200	*	2.59E-97	1.97E-96	0.222947	chr6_1274	sig	hyper
chr6	12749601	12749800	*	3.39E-47	1.41E-46	0.227679	chr6_1274	sig	hyper
chr6	13860201	13860400	*	2.68E-65	1.42E-64	0.205257	chr6_1386	sig	hyper
chr6	16216801	16217000	*	1.51E-112	1.36E-111	0.242922	chr6_1621	sig	hyper
chr6	25137601	25137800	*	1.31E-14	2.70E-14	0.101014	chr6_2513	sig	hyper
chr6	25882201	25882400	*	2.34E-58	1.13E-57	0.141931	chr6_2588	sig	hyper
chr6	26017601	26017800	*	8.11E-30	2.50E-29	0.122646	chr6_2601	sig	hyper
chr6	26017801	26018000	*	1.11E-162	1.67E-161	0.150444	chr6_2601	sig	hyper
chr6	26569201	26569400	*	1.33E-58	6.48E-58	0.102624	chr6_2656	sig	hyper
chr6	26743001	26743200	*	2.32E-89	1.61E-88	0.300497	chr6_2674	sig	hyper
chr6	26743401	26743600	*	1.14E-73	6.63E-73	0.150111	chr6_2674	sig	hyper
chr6	26744001	26744200	*	1.04E-89	7.31E-89	0.216789	chr6_2674	sig	hyper
chr6	27213801	27214000	*	9.15E-123	9.22E-122	0.192358	chr6_2721	sig	hyper
chr6	27235401	27235600	*	5.90E-37	2.08E-36	0.113239	chr6_2723	sig	hyper

chr6	27260201	27260400	*	6.58E-70	3.69E-69	0.146866	chr6_2726	sig	hyper
chr6	27260401	27260600	*	1.07E-177	1.86E-176	0.170066	chr6_2726	sig	hyper
chr6	27268001	27268200	*	1.08E-197	2.27E-196	0.197765	chr6_2726	sig	hyper
chr6	27275201	27275400	*	8.01E-131	8.77E-130	0.178006	chr6_2727	sig	hyper
chr6	27291201	27291400	*	6.75E-51	2.96E-50	0.174049	chr6_2729	sig	hyper
chr6	27312201	27312400	*	0	0	0.12848	chr6_2731	sig	hyper
chr6	27495401	27495600	*	0.00E+00	0.00E+00	0.217894	chr6_2749	sig	hyper
chr6	27541601	27541800	*	2.16E-35	7.44E-35	0.15607	chr6_2754	sig	hyper
chr6	27545201	27545400	*	7.33E-117	6.92E-116	0.215503	chr6_2754	sig	hyper
chr6	27553401	27553600	*	6.41E-95	4.74E-94	0.25502	chr6_2755	sig	hyper
chr6	27582801	27583000	*	2.46E-71	1.41E-70	0.161801	chr6_2758	sig	hyper
chr6	27592001	27592200	*	8.44E-102	6.77E-101	0.181968	chr6_2759	sig	hyper
chr6	27631401	27631600	*	3.90E-80	2.46E-79	0.152353	chr6_2763	sig	hyper
chr6	27680201	27680400	*	2.92E-126	3.05E-125	0.264211	chr6_2768	sig	hyper
chr6	27680401	27680600	*	5.18E-185	9.59E-184	0.262015	chr6_2768	sig	hyper
chr6	27680601	27680800	*	2.69E-224	7.36E-223	0.306812	chr6_2768	sig	hyper
chr6	27680801	27681000	*	5.54E-72	3.18E-71	0.255546	chr6_2768	sig	hyper
chr6	27738401	27738600	*	9.32E-131	1.02E-129	0.154807	chr6_2773	sig	hyper
chr6	27772201	27772400	*	3.47E-92	2.49E-91	-0.16548	chr6_2777	sig	hypo
chr6	27864201	27864400	*	1.80E-28	5.38E-28	0.112085	chr6_2786	sig	hyper
chr6	28091001	28091200	*	2.03E-160	2.98E-159	0.148616	chr6_2809	sig	hyper
chr6	28259201	28259400	*	3.18E-234	9.66E-233	0.240339	chr6_2825	sig	hyper
chr6	28259401	28259600	*	1.44E-32	4.71E-32	0.145973	chr6_2825	sig	hyper
chr6	28478601	28478800	*	6.25E-29	1.89E-28	-0.14455	chr6_2847	sig	hypo
chr6	28479201	28479400	*	3.43E-20	8.38E-20	0.154318	chr6_2847	sig	hyper
chr6	28490001	28490200	*	9.08E-130	9.86E-129	0.231171	chr6_2849	sig	hyper
chr6	28634601	28634800	*	1.44E-39	5.31E-39	0.123805	chr6_2863	sig	hyper
chr6	28634801	28635000	*	6.18E-187	1.17E-185	0.228124	chr6_2863	sig	hyper
chr6	28635001	28635200	*	1.19E-301	6.61E-300	0.208114	chr6_2863	sig	hyper
chr6	28635401	28635600	*	4.89E-168	7.77E-167	0.222855	chr6_2863	sig	hyper
chr6	28635801	28636000	*	1.53E-61	7.71E-61	0.196218	chr6_2863	sig	hyper
chr6	28636001	28636200	*	8.31E-71	4.71E-70	0.145366	chr6_2863	sig	hyper
chr6	28643401	28643600	*	8.66E-24	2.33E-23	0.106924	chr6_2864	sig	hyper
chr6	28765801	28766000	*	2.52E-34	8.52E-34	0.157681	chr6_2876	sig	hyper
chr6	28775801	28776000	*	3.46E-140	4.17E-139	0.29694	chr6_2877	sig	hyper
chr6	28794401	28794600	*	3.04E-62	1.54E-61	0.112062	chr6_2879	sig	hyper
chr6	28810201	28810400	*	4.86E-94	3.56E-93	0.247888	chr6_2881	sig	hyper
chr6	28810401	28810600	*	2.71E-201	5.95E-200	0.196161	chr6_2881	sig	hyper
chr6	28810601	28810800	*	4.10E-71	2.33E-70	0.164276	chr6_2881	sig	hyper
chr6	28810801	28811000	*	3.50E-167	5.50E-166	0.221866	chr6_2881	sig	hyper
chr6	28814201	28814400	*	1.60E-49	6.88E-49	0.209252	chr6_2881	sig	hyper
chr6	28814401	28814600	*	1.70E-144	2.15E-143	0.288124	chr6_2881	sig	hyper
chr6	28816601	28816800	*	1.26E-83	8.26E-83	0.154793	chr6_2881	sig	hyper
chr6	28817001	28817200	*	1.73E-67	9.43E-67	0.207343	chr6_2881	sig	hyper
chr6	28817201	28817400	*	6.32E-107	5.34E-106	0.213981	chr6_2881	sig	hyper
chr6	28825801	28826000	*	3.01E-97	2.29E-96	0.202268	chr6_2882	sig	hyper
chr6	28865601	28865800	*	5.82E-113	5.27E-112	-0.34049	chr6_2886	sig	hypo
chr6	28885201	28885400	*	2.36E-138	2.80E-137	0.302494	chr6_2888	sig	hyper
chr6	28988401	28988600	*	2.11E-148	2.77E-147	0.162886	chr6_2898	sig	hyper
chr6	28988601	28988800	*	5.21E-161	7.71E-160	0.15936	chr6_2898	sig	hyper
chr6	29553201	29553400	*	1.01E-300	5.53E-299	0.218908	chr6_2955	sig	hyper
chr6	29553801	29554000	*	3.52E-265	1.41E-263	0.332484	chr6_2955	sig	hyper
chr6	29554001	29554200	*	0	0	0.403232	chr6_2955	sig	hyper
chr6	29627201	29627400	*	5.41E-69	3.00E-68	0.181109	chr6_2962	sig	hyper
chr6	29755401	29755600	*	4.57E-53	2.06E-52	0.113465	chr6_2975	sig	hyper
chr6	29792001	29792200	*	2.26E-116	2.12E-115	0.216598	chr6_2979	sig	hyper

chr6	29792201	29792400	*	7.45E-264	2.96E-262	0.314136	chr6_2979	sig	hyper
chr6	29792601	29792800	*	2.89E-307	1.71E-305	0.234213	chr6_2979	sig	hyper
chr6	29793001	29793200	*	1.01E-173	1.70E-172	0.221218	chr6_2979	sig	hyper
chr6	29828001	29828200	*	9.97E-255	3.69E-253	0.223512	chr6_2982	sig	hyper
chr6	29828601	29828800	*	5.68E-72	3.26E-71	0.1571	chr6_2982	sig	hyper
chr6	29829401	29829600	*	1.22E-25	3.43E-25	-0.10512	chr6_2982	sig	hypo
chr6	29975201	29975400	*	6.99E-36	2.43E-35	0.127272	chr6_2997	sig	hyper
chr6	29975601	29975800	*	3.83E-164	5.85E-163	0.232264	chr6_2997	sig	hyper
chr6	30007401	30007600	*	6.97E-34	2.34E-33	0.104454	chr6_3000	sig	hyper
chr6	30071601	30071800	*	1.71E-42	6.65E-42	0.113368	chr6_3007	sig	hyper
chr6	30076001	30076200	*	2.13E-43	8.39E-43	-0.12984	chr6_3007	sig	hypo
chr6	30110401	30110600	*	8.27E-64	4.28E-63	-0.19922	chr6_3011	sig	hypo
chr6	30111201	30111400	*	1.62E-89	1.13E-88	-0.23627	chr6_3011	sig	hypo
chr6	30111601	30111800	*	1.98E-65	1.05E-64	-0.19909	chr6_3011	sig	hypo
chr6	30127401	30127600	*	2.49E-174	4.22E-173	0.150952	chr6_3012	sig	hyper
chr6	30127601	30127800	*	1.45E-150	1.95E-149	0.19403	chr6_3012	sig	hyper
chr6	30127801	30128000	*	1.82E-48	7.75E-48	0.16348	chr6_3012	sig	hyper
chr6	30163601	30163800	*	1.70E-49	7.33E-49	-0.11837	chr6_3016	sig	hypo
chr6	30163801	30164000	*	2.99E-62	1.52E-61	-0.15563	chr6_3016	sig	hypo
chr6	30164001	30164200	*	8.29E-100	6.49E-99	-0.19752	chr6_3016	sig	hypo
chr6	30171601	30171800	*	7.52E-58	3.62E-57	0.147853	chr6_3017	sig	hyper
chr6	30171801	30172000	*	5.67E-96	4.25E-95	0.222411	chr6_3017	sig	hyper
chr6	30172001	30172200	*	0	0	0.28867	chr6_3017	sig	hyper
chr6	30172201	30172400	*	5.04E-302	2.81E-300	0.292798	chr6_3017	sig	hyper
chr6	30172401	30172600	*	4.91E-212	1.19E-210	0.214656	chr6_3017	sig	hyper
chr6	30260001	30260200	*	1.89E-188	3.67E-187	0.109483	chr6_3026	sig	hyper
chr6	30260201	30260400	*	0	0	0.278258	chr6_3026	sig	hyper
chr6	30260401	30260600	*	1.28E-100	1.01E-99	0.125674	chr6_3026	sig	hyper
chr6	30358001	30358200	*	1.03E-30	3.26E-30	0.102897	chr6_3035	sig	hyper
chr6	30451401	30451600	*	1.00E-13	2.01E-13	0.102444	chr6_3045	sig	hyper
chr6	30451601	30451800	*	2.97E-36	1.04E-35	0.134844	chr6_3045	sig	hyper
chr6	30453201	30453400	*	3.03E-50	1.32E-49	0.144549	chr6_3045	sig	hyper
chr6	30464001	30464200	*	3.03E-91	2.15E-90	0.103477	chr6_3046	sig	hyper
chr6	30555401	30555600	*	2.60E-33	8.63E-33	0.128105	chr6_3055	sig	hyper
chr6	30684401	30684600	*	3.12E-47	1.30E-46	0.169031	chr6_3068	sig	hyper
chr6	30685801	30686000	*	3.20E-173	5.38E-172	0.163519	chr6_3068	sig	hyper
chr6	30953001	30953200	*	2.15E-32	7.01E-32	-0.14652	chr6_3095	sig	hypo
chr6	31186001	31186200	*	1.39E-52	6.22E-52	-0.16627	chr6_3118	sig	hypo
chr6	31538801	31539000	*	5.82E-28	1.72E-27	-0.13725	chr6_3153	sig	hypo
chr6	31728801	31729000	*	1.78E-78	1.10E-77	0.125304	chr6_3172	sig	hyper
chr6	31730801	31731000	*	6.98E-65	3.67E-64	-0.13516	chr6_3173	sig	hypo
chr6	31766401	31766600	*	4.93E-109	4.27E-108	0.150723	chr6_3176	sig	hyper
chr6	31766601	31766800	*	1.13E-106	9.54E-106	0.180299	chr6_3176	sig	hyper
chr6	31776001	31776200	*	0	0	-0.28076	chr6_3177	sig	hypo
chr6	31888601	31888800	*	5.04E-27	1.46E-26	-0.10665	chr6_3188	sig	hypo
chr6	31927401	31927600	*	1.73E-43	6.84E-43	-0.17232	chr6_3192	sig	hypo
chr6	31946401	31946600	*	8.20E-51	3.59E-50	-0.13389	chr6_3194	sig	hypo
chr6	31970801	31971000	*	2.54E-86	1.71E-85	-0.15456	chr6_3197	sig	hypo
chr6	31971001	31971200	*	7.62E-124	7.77E-123	-0.22861	chr6_3197	sig	hypo
chr6	31971201	31971400	*	9.86E-38	3.53E-37	-0.14073	chr6_3197	sig	hypo
chr6	31971401	31971600	*	7.25E-101	5.75E-100	-0.13952	chr6_3197	sig	hypo
chr6	32011001	32011200	*	8.58E-52	3.81E-51	-0.19348	chr6_3201	sig	hypo
chr6	32039801	32040000	*	1.21E-74	7.17E-74	-0.18665	chr6_3203	sig	hypo
chr6	32052601	32052800	*	3.88E-108	3.32E-107	-0.15317	chr6_3205	sig	hypo
chr6	32053401	32053600	*	4.11E-65	2.17E-64	-0.13822	chr6_3205	sig	hypo
chr6	32056601	32056800	*	5.85E-114	5.35E-113	-0.21056	chr6_3205	sig	hypo

chr6	32058001	32058200	*	6.92E-225	1.91E-223	-0.22468	chr6_3205	sig	hypo
chr6	32058401	32058600	*	4.72E-29	1.43E-28	-0.11527	chr6_3205	sig	hypo
chr6	32058801	32059000	*	4.74E-117	4.49E-116	-0.27763	chr6_3205	sig	hypo
chr6	32062201	32062400	*	9.77E-75	5.80E-74	-0.15077	chr6_3206	sig	hypo
chr6	32068601	32068800	*	1.99E-65	1.05E-64	-0.12267	chr6_3206	sig	hypo
chr6	32069001	32069200	*	6.23E-95	4.61E-94	-0.19636	chr6_3206	sig	hypo
chr6	32070001	32070200	*	5.90E-60	2.92E-59	-0.11983	chr6_3207	sig	hypo
chr6	32070201	32070400	*	3.17E-54	1.45E-53	-0.14178	chr6_3207	sig	hypo
chr6	32070801	32071000	*	2.93E-19	7.00E-19	-0.11186	chr6_3207	sig	hypo
chr6	32072001	32072200	*	2.27E-66	1.22E-65	-0.13673	chr6_3207	sig	hypo
chr6	32079201	32079400	*	2.09E-38	7.57E-38	-0.10048	chr6_3207	sig	hypo
chr6	32081201	32081400	*	4.05E-15	8.50E-15	-0.10848	chr6_3208	sig	hypo
chr6	32085801	32086000	*	4.18E-67	2.26E-66	-0.12859	chr6_3208	sig	hypo
chr6	32087001	32087200	*	5.78E-29	1.75E-28	-0.13484	chr6_3208	sig	hypo
chr6	32096001	32096200	*	1.29E-61	6.50E-61	0.105482	chr6_3209	sig	hyper
chr6	32096201	32096400	*	5.17E-176	8.86E-175	0.159469	chr6_3209	sig	hyper
chr6	32096401	32096600	*	4.81E-104	3.95E-103	0.135262	chr6_3209	sig	hyper
chr6	32096601	32096800	*	2.24E-127	2.37E-126	0.121165	chr6_3209	sig	hyper
chr6	32096801	32097000	*	1.08E-33	3.59E-33	0.110497	chr6_3209	sig	hyper
chr6	32148201	32148400	*	1.49E-26	4.28E-26	0.134676	chr6_3214	sig	hyper
chr6	32148401	32148600	*	1.18E-62	6.03E-62	0.196273	chr6_3214	sig	hyper
chr6	32148801	32149000	*	1.11E-75	6.65E-75	0.301441	chr6_3214	sig	hyper
chr6	32149001	32149200	*	9.00E-102	7.21E-101	0.136364	chr6_3214	sig	hyper
chr6	32153001	32153200	*	2.32E-77	1.42E-76	0.135737	chr6_3215	sig	hyper
chr6	32197201	32197400	*	2.37E-87	1.61E-86	-0.19323	chr6_3219	sig	hypo
chr6	32202001	32202200	*	1.64E-50	7.15E-50	-0.15582	chr6_3220	sig	hypo
chr6	32204201	32204400	*	8.08E-33	2.66E-32	-0.11098	chr6_3220	sig	hypo
chr6	32218001	32218200	*	2.67E-29	8.15E-29	-0.10484	chr6_3221	sig	hypo
chr6	32218201	32218400	*	5.78E-71	3.28E-70	-0.17498	chr6_3221	sig	hypo
chr6	32394801	32395000	*	1.79E-58	8.70E-58	-0.16303	chr6_3239	sig	hypo
chr6	32395401	32395600	*	2.23E-64	1.16E-63	-0.19571	chr6_3239	sig	hypo
chr6	32879801	32880000	*	1.75E-155	2.45E-154	0.121162	chr6_3287	sig	hyper
chr6	33069001	33069200	*	1.33E-46	5.50E-46	-0.16299	chr6_3306	sig	hypo
chr6	33080601	33080800	*	1.43E-113	1.30E-112	0.210998	chr6_3308	sig	hyper
chr6	33164201	33164400	*	9.88E-24	2.66E-23	-0.10488	chr6_3316	sig	hypo
chr6	33190601	33190800	*	3.50E-64	1.82E-63	-0.20296	chr6_3319	sig	hypo
chr6	33197801	33198000	*	1.40E-33	4.66E-33	-0.10889	chr6_3319	sig	hypo
chr6	33276401	33276600	*	1.26E-38	4.59E-38	-0.14693	chr6_3327	sig	hypo
chr6	33976001	33976200	*	0	0	0.433286	chr6_3397	sig	hyper
chr6	34028801	34029000	*	1.75E-46	7.22E-46	-0.14726	chr6_3402	sig	hypo
chr6	34036001	34036200	*	9.45E-87	6.39E-86	-0.17876	chr6_3403	sig	hypo
chr6	34240801	34241000	*	7.87E-29	2.37E-28	-0.11699	chr6_3424	sig	hypo
chr6	34514601	34514800	*	4.00E-38	1.44E-37	0.120348	chr6_3451	sig	hyper
chr6	35141401	35141600	*	2.91E-40	1.09E-39	-0.14811	chr6_3514	sig	hypo
chr6	35498201	35498400	*	4.67E-19	1.11E-18	0.112663	chr6_3549	sig	hyper
chr6	35797201	35797400	*	4.15E-26	1.18E-25	-0.13767	chr6_3579	sig	hypo
chr6	36285201	36285400	*	0.00E+00	0.00E+00	0.246854	chr6_3628	sig	hyper
chr6	36839001	36839200	*	1.82E-26	5.23E-26	0.13296	chr6_3683	sig	hyper
chr6	37533601	37533800	*	2.88E-42	1.12E-41	-0.19741	chr6_3753	sig	hypo
chr6	37649001	37649200	*	5.09E-222	1.35E-220	0.295632	chr6_3764	sig	hyper
chr6	37650201	37650400	*	2.79E-131	3.07E-130	0.131441	chr6_3765	sig	hyper
chr6	37705401	37705600	*	7.29E-58	3.51E-57	0.10968	chr6_3770	sig	hyper
chr6	37705801	37706000	*	2.17E-164	3.34E-163	0.232838	chr6_3770	sig	hyper
chr6	39793001	39793200	*	1.92E-44	7.67E-44	0.15969	chr6_3979	sig	hyper
chr6	40754601	40754800	*	1.30E-28	3.90E-28	0.106101	chr6_4075	sig	hyper
chr6	41028401	41028600	*	2.89E-78	1.79E-77	0.141958	chr6_4102	sig	hyper

chr6	41374401	41374600	*	7.55E-57	3.59E-56	0.1439	chr6_4137	sig	hyper
chr6	41374601	41374800	*	6.75E-59	3.30E-58	0.111315	chr6_4137	sig	hyper
chr6	41503201	41503400	*	1.04E-137	1.23E-136	-0.26235	chr6_4150	sig	hypo
chr6	41560601	41560800	*	1.03E-104	8.51E-104	0.211655	chr6_4156	sig	hyper
chr6	41560801	41561000	*	4.18E-79	2.61E-78	0.181209	chr6_4156	sig	hyper
chr6	41561001	41561200	*	3.01E-50	1.31E-49	0.168909	chr6_4156	sig	hyper
chr6	41638601	41638800	*	2.22E-253	8.13E-252	0.196374	chr6_4163	sig	hyper
chr6	42178001	42178200	*	8.54E-21	2.12E-20	0.15231	chr6_4217	sig	hyper
chr6	42727201	42727400	*	2.53E-36	8.83E-36	0.119002	chr6_4272	sig	hyper
chr6	42771201	42771400	*	1.88E-40	7.06E-40	0.138336	chr6_4277	sig	hyper
chr6	43276201	43276400	*	3.78E-40	1.42E-39	-0.19738	chr6_4327	sig	hypo
chr6	44271601	44271800	*	3.00E-25	8.37E-25	-0.10844	chr6_4427	sig	hypo
chr6	44342601	44342800	*	1.34E-307	7.97E-306	0.12391	chr6_4434	sig	hyper
chr6	45664001	45664200	*	1.36E-30	4.29E-30	0.137514	chr6_4566	sig	hyper
chr6	50706801	50707000	*	1.11E-124	1.14E-123	0.230438	chr6_5070	sig	hyper
chr6	50707801	50708000	*	1.29E-248	4.51E-247	0.214947	chr6_5070	sig	hyper
chr6	50714601	50714800	*	1.90E-161	2.83E-160	0.179329	chr6_5071	sig	hyper
chr6	50715801	50716000	*	1.79E-95	1.33E-94	0.22973	chr6_5071	sig	hyper
chr6	50722801	50723000	*	3.39E-49	1.45E-48	0.152143	chr6_5072	sig	hyper
chr6	50724401	50724600	*	0	0	0.268824	chr6_5072	sig	hyper
chr6	50817401	50817600	*	2.11E-56	9.95E-56	0.165015	chr6_5081	sig	hyper
chr6	50820201	50820400	*	1.67E-171	2.77E-170	0.258754	chr6_5082	sig	hyper
chr6	50836001	50836200	*	6.71E-108	5.72E-107	0.162178	chr6_5083	sig	hyper
chr6	50836201	50836400	*	9.33E-93	6.74E-92	0.182132	chr6_5083	sig	hyper
chr6	50836401	50836600	*	1.17E-144	1.48E-143	0.191615	chr6_5083	sig	hyper
chr6	50843001	50843200	*	3.08E-196	6.42E-195	0.230787	chr6_5084	sig	hyper
chr6	50843201	50843400	*	8.45E-281	3.84E-279	0.262246	chr6_5084	sig	hyper
chr6	50845801	50846000	*	2.71E-139	3.24E-138	0.30231	chr6_5084	sig	hyper
chr6	50846001	50846200	*	5.34E-46	2.19E-45	0.185816	chr6_5084	sig	hyper
chr6	50849401	50849600	*	6.79E-148	8.90E-147	0.265049	chr6_5084	sig	hyper
chr6	50850401	50850600	*	3.57E-229	1.03E-227	0.222115	chr6_5085	sig	hyper
chr6	50851001	50851200	*	1.39E-210	3.34E-209	0.204899	chr6_5085	sig	hyper
chr6	52283201	52283400	*	1.56E-26	4.47E-26	-0.14072	chr6_5228	sig	hypo
chr6	52839401	52839600	*	7.47E-93	5.40E-92	-0.24059	chr6_5283	sig	hypo
chr6	52994201	52994400	*	2.38E-27	6.95E-27	0.111186	chr6_5299	sig	hyper
chr6	55578801	55579000	*	3.31E-57	1.58E-56	0.16119	chr6_5557	sig	hyper
chr6	55579201	55579400	*	1.27E-45	5.15E-45	0.141543	chr6_5557	sig	hyper
chr6	57800201	57800400	*	2.74E-175	4.68E-174	0.28806	chr6_5780	sig	hyper
chr6	62285801	62286000	*	1.28E-280	5.80E-279	0.415165	chr6_6228	sig	hyper
chr6	62286001	62286200	*	2.41E-245	8.18E-244	0.374203	chr6_6228	sig	hyper
chr6	62286601	62286800	*	2.56E-230	7.48E-229	0.377112	chr6_6228	sig	hyper
chr6	63571601	63571800	*	8.98E-62	4.53E-61	-0.20739	chr6_6357	sig	hypo
chr6	68635801	68636000	*	7.70E-64	3.98E-63	0.146658	chr6_6863	sig	hyper
chr6	70282601	70282800	*	7.07E-64	3.66E-63	0.202036	chr6_7028	sig	hyper
chr6	70956201	70956400	*	1.29E-64	6.75E-64	0.125653	chr6_7095	sig	hyper
chr6	70956401	70956600	*	9.73E-85	6.47E-84	0.103153	chr6_7095	sig	hyper
chr6	70957401	70957600	*	5.13E-37	1.81E-36	0.129627	chr6_7095	sig	hyper
chr6	71420801	71421000	*	0	0	0.349794	chr6_7142	sig	hyper
chr6	71421001	71421200	*	3.50E-204	7.92E-203	0.281349	chr6_7142	sig	hyper
chr6	71588601	71588800	*	3.48E-112	3.12E-111	0.217137	chr6_7158	sig	hyper
chr6	71588801	71589000	*	2.56E-48	1.08E-47	0.126605	chr6_7158	sig	hyper
chr6	72182201	72182400	*	4.79E-55	2.23E-54	0.192147	chr6_7218	sig	hyper
chr6	72621401	72621600	*	1.77E-152	2.42E-151	0.207404	chr6_7262	sig	hyper
chr6	72621801	72622000	*	2.85E-93	2.07E-92	0.193615	chr6_7262	sig	hyper
chr6	72623001	72623200	*	4.00E-274	1.72E-272	0.297843	chr6_7262	sig	hyper
chr6	73309801	73310000	*	1.07E-184	1.98E-183	0.120164	chr6_7330	sig	hyper

chr6	73580401	73580600	*	4.44E-27	1.29E-26	-0.1379	chr6_7358	sig	hypo
chr6	73580601	73580800	*	2.59E-81	1.66E-80	-0.20743	chr6_7358	sig	hypo
chr6	75202401	75202600	*	7.29E-56	3.42E-55	0.15865	chr6_7520	sig	hyper
chr6	75204801	75205000	*	1.35E-91	9.63E-91	0.1899	chr6_7520	sig	hyper
chr6	75205001	75205200	*	0	0	0.244776	chr6_7520	sig	hyper
chr6	75206601	75206800	*	5.00E-88	3.43E-87	0.138256	chr6_7520	sig	hyper
chr6	77462601	77462800	*	3.04E-80	1.92E-79	0.127922	chr6_7746	sig	hyper
chr6	77467001	77467200	*	1.60E-112	1.43E-111	0.245512	chr6_7746	sig	hyper
chr6	77650201	77650400	*	5.89E-86	3.96E-85	0.220373	chr6_7765	sig	hyper
chr6	79947001	79947200	*	1.51E-139	1.81E-138	0.156342	chr6_7994	sig	hyper
chr6	79947201	79947400	*	9.98E-155	1.39E-153	0.167097	chr6_7994	sig	hyper
chr6	80070401	80070600	*	9.85E-45	3.95E-44	-0.12787	chr6_8007	sig	hypo
chr6	83524601	83524800	*	8.88E-55	4.12E-54	-0.14456	chr6_8352	sig	hypo
chr6	83707601	83707800	*	1.76E-67	9.59E-67	0.202717	chr6_8370	sig	hyper
chr6	83709601	83709800	*	1.19E-131	1.31E-130	0.230993	chr6_8370	sig	hyper
chr6	83853001	83853200	*	4.23E-186	7.97E-185	0.204843	chr6_8385	sig	hyper
chr6	83853401	83853600	*	1.52E-98	1.17E-97	0.16207	chr6_8385	sig	hyper
chr6	84763201	84763400	*	7.63E-123	7.69E-122	0.200481	chr6_8476	sig	hyper
chr6	84764601	84764800	*	0	0	0.227629	chr6_8476	sig	hyper
chr6	84764801	84765000	*	0	0	0.237976	chr6_8476	sig	hyper
chr6	84768801	84769000	*	5.76E-71	3.27E-70	0.180437	chr6_8476	sig	hyper
chr6	84772801	84773000	*	3.81E-103	3.10E-102	0.185014	chr6_8477	sig	hyper
chr6	84773201	84773400	*	9.64E-127	1.01E-125	0.243323	chr6_8477	sig	hyper
chr6	84773601	84773800	*	1.76E-204	4.02E-203	0.189112	chr6_8477	sig	hyper
chr6	84775001	84775200	*	1.08E-61	5.45E-61	0.169347	chr6_8477	sig	hyper
chr6	86937001	86937200	*	4.57E-34	1.54E-33	0.181633	chr6_8693	sig	hyper
chr6	89433801	89434000	*	5.00E-44	1.99E-43	0.137142	chr6_8943	sig	hyper
chr6	90610401	90610600	*	1.46E-42	5.66E-42	0.115594	chr6_9061	sig	hyper
chr6	93417601	93417800	*	2.85E-47	1.19E-46	0.17012	chr6_9341	sig	hyper
chr6	93419801	93420000	*	4.31E-245	1.46E-243	0.129672	chr6_9341	sig	hyper
chr6	98824001	98824200	*	1.18E-131	1.30E-130	0.277083	chr6_9882	sig	hyper
chr6	98825001	98825200	*	4.33E-97	3.29E-96	0.25244	chr6_9882	sig	hyper
chr6	98825201	98825400	*	8.07E-129	8.67E-128	0.224732	chr6_9882	sig	hyper
chr6	98825401	98825600	*	7.81E-71	4.43E-70	0.168592	chr6_9882	sig	hyper
chr6	98825601	98825800	*	2.68E-267	1.10E-265	0.268757	chr6_9882	sig	hyper
chr6	98827401	98827600	*	2.13E-92	1.53E-91	0.13678	chr6_9882	sig	hyper
chr6	98835801	98836000	*	4.58E-188	8.81E-187	0.225709	chr6_9883	sig	hyper
chr6	98842401	98842600	*	2.09E-83	1.37E-82	0.126394	chr6_9884	sig	hyper
chr6	98842801	98843000	*	1.02E-155	1.43E-154	0.29029	chr6_9884	sig	hyper
chr6	98843401	98843600	*	3.20E-152	4.36E-151	0.210099	chr6_9884	sig	hyper
chr6	98847401	98847600	*	2.14E-29	6.53E-29	0.143565	chr6_9884	sig	hyper
chr6	99602801	99603000	*	1.30E-217	3.31E-216	0.215723	chr6_9960	sig	hyper
chr6	99605401	99605600	*	6.12E-69	3.39E-68	0.143635	chr6_9960	sig	hyper
chr6	99606001	99606200	*	1.65E-115	1.54E-114	0.193643	chr6_9960	sig	hyper
chr6	99606601	99606800	*	1.16E-40	4.37E-40	0.120194	chr6_9960	sig	hyper
chr6	99607001	99607200	*	2.35E-83	1.54E-82	0.157121	chr6_9960	sig	hyper
chr6	99607601	99607800	*	7.79E-47	3.23E-46	0.135152	chr6_9960	sig	hyper
chr6	99608801	99609000	*	1.25E-27	3.67E-27	0.139506	chr6_9960	sig	hyper
chr6	99609201	99609400	*	2.15E-223	5.82E-222	0.294109	chr6_9960	sig	hyper
chr6	100447001	100447200	*	2.83E-44	1.13E-43	0.113146	chr6_1004	sig	hyper
chr6	100447201	100447400	*	6.76E-303	3.82E-301	0.231153	chr6_1004	sig	hyper
chr6	100448001	100448200	*	5.84E-155	8.16E-154	0.290592	chr6_1004	sig	hyper
chr6	100448801	100449000	*	8.73E-241	2.83E-239	0.249751	chr6_1004	sig	hyper
chr6	100449401	100449600	*	2.10E-243	6.98E-242	0.248462	chr6_1004	sig	hyper
chr6	100454201	100454400	*	2.75E-122	2.75E-121	0.146952	chr6_1004	sig	hyper
chr6	100455801	100456000	*	1.92E-56	9.08E-56	0.118539	chr6_1004	sig	hyper

chr6	100457401	100457600	*	2.41E-35	8.30E-35	0.138159	chr6_1004	sig	hyper
chr6	100457601	100457800	*	1.30E-28	3.91E-28	0.116575	chr6_1004	sig	hyper
chr6	100457801	100458000	*	3.10E-74	1.82E-73	0.159917	chr6_1004	sig	hyper
chr6	100458201	100458400	*	1.05E-94	7.78E-94	0.158132	chr6_1004	sig	hyper
chr6	100458601	100458800	*	1.40E-79	8.79E-79	0.211458	chr6_1004	sig	hyper
chr6	100463601	100463800	*	9.67E-186	1.81E-184	0.198814	chr6_1004	sig	hyper
chr6	100463801	100464000	*	2.75E-165	4.26E-164	0.228307	chr6_1004	sig	hyper
chr6	100464001	100464200	*	2.18E-263	8.62E-262	0.265042	chr6_1004	sig	hyper
chr6	100464201	100464400	*	0	0	0.330567	chr6_1004	sig	hyper
chr6	100465001	100465200	*	1.98E-200	4.29E-199	0.319495	chr6_1004	sig	hyper
chr6	100467201	100467400	*	2.73E-138	3.25E-137	0.17617	chr6_1004	sig	hyper
chr6	100467801	100468000	*	2.23E-107	1.89E-106	0.187189	chr6_1004	sig	hyper
chr6	100469001	100469200	*	5.80E-153	7.94E-152	0.227778	chr6_1004	sig	hyper
chr6	101392401	101392600	*	7.63E-71	4.33E-70	0.220261	chr6_1013	sig	hyper
chr6	101398801	101399000	*	8.79E-181	1.57E-179	0.252135	chr6_1013	sig	hyper
chr6	101399001	101399200	*	1.05E-296	5.61E-295	0.296916	chr6_1013	sig	hyper
chr6	101399401	101399600	*	3.23E-206	7.46E-205	0.273053	chr6_1013	sig	hyper
chr6	101399801	101400000	*	9.28E-248	3.21E-246	0.34194	chr6_1013	sig	hyper
chr6	101403401	101403600	*	2.18E-142	2.69E-141	0.24668	chr6_1014	sig	hyper
chr6	104940201	104940400	*	1.38E-125	1.43E-124	0.199506	chr6_1049	sig	hyper
chr6	104941401	104941600	*	1.10E-68	6.05E-68	0.210496	chr6_1049	sig	hyper
chr6	104941601	104941800	*	4.00E-57	1.91E-56	0.172413	chr6_1049	sig	hyper
chr6	104953001	104953200	*	2.14E-169	3.47E-168	0.234099	chr6_1049	sig	hyper
chr6	105981201	105981400	*	1.25E-170	2.06E-169	0.252573	chr6_1059	sig	hyper
chr6	105981601	105981800	*	2.60E-98	2.00E-97	0.150362	chr6_1059	sig	hyper
chr6	106135201	106135400	*	4.10E-29	1.25E-28	-0.12004	chr6_1061	sig	hypo
chr6	107820601	107820800	*	6.61E-64	3.43E-63	-0.13106	chr6_1078	sig	hypo
chr6	108114801	108115000	*	6.13E-72	3.52E-71	0.160709	chr6_1081	sig	hyper
chr6	108115001	108115200	*	1.10E-48	4.67E-48	0.127123	chr6_1081	sig	hyper
chr6	108116801	108117000	*	4.59E-38	1.65E-37	0.13263	chr6_1081	sig	hyper
chr6	108165001	108165200	*	4.94E-118	4.74E-117	0.344107	chr6_1081	sig	hyper
chr6	108165201	108165400	*	4.95E-123	5.01E-122	0.35589	chr6_1081	sig	hyper
chr6	108165601	108165800	*	7.17E-24	1.93E-23	0.145017	chr6_1081	sig	hyper
chr6	108166201	108166400	*	6.90E-65	3.64E-64	0.269386	chr6_1081	sig	hyper
chr6	108166601	108166800	*	1.22E-100	9.63E-100	0.133059	chr6_1081	sig	hyper
chr6	108167001	108167200	*	3.75E-77	2.29E-76	0.176283	chr6_1081	sig	hyper
chr6	108167401	108167600	*	8.15E-279	3.64E-277	0.179784	chr6_1081	sig	hyper
chr6	108167601	108167800	*	6.00E-200	1.29E-198	0.171986	chr6_1081	sig	hyper
chr6	108168001	108168200	*	1.34E-36	4.70E-36	0.13357	chr6_1081	sig	hyper
chr6	108171001	108171200	*	7.07E-253	2.58E-251	0.342316	chr6_1081	sig	hyper
chr6	108171401	108171600	*	3.71E-172	6.18E-171	0.24767	chr6_1081	sig	hyper
chr6	108174601	108174800	*	0	0	0.301942	chr6_1081	sig	hyper
chr6	109294201	109294400	*	2.03E-61	1.02E-60	-0.1868	chr6_1092	sig	hypo
chr6	109978801	109979000	*	8.07E-31	2.55E-30	0.137199	chr6_1099	sig	hyper
chr6	109979001	109979200	*	2.10E-34	7.10E-34	0.138606	chr6_1099	sig	hyper
chr6	109979801	109980000	*	2.75E-56	1.30E-55	0.172052	chr6_1099	sig	hyper
chr6	110357601	110357800	*	5.90E-163	8.89E-162	0.212715	chr6_1103	sig	hyper
chr6	112347201	112347400	*	2.44E-157	3.49E-156	-0.23178	chr6_1123	sig	hypo
chr6	117263401	117263600	*	3.04E-140	3.67E-139	0.262794	chr6_1172	sig	hyper
chr6	117906801	117907000	*	2.62E-97	1.99E-96	0.101961	chr6_1179	sig	hyper
chr6	117920001	117920200	*	1.02E-42	3.96E-42	0.115276	chr6_1179	sig	hyper
chr6	117920201	117920400	*	4.84E-222	1.29E-220	0.298294	chr6_1179	sig	hyper
chr6	122996601	122996800	*	9.38E-32	3.02E-31	0.14278	chr6_1229	sig	hyper
chr6	125155001	125155200	*	8.62E-29	2.60E-28	-0.1074	chr6_1251	sig	hypo
chr6	125534201	125534400	*	4.58E-63	2.35E-62	0.158699	chr6_1255	sig	hyper
chr6	127119201	127119400	*	2.87E-198	6.08E-197	0.168896	chr6_1271	sig	hyper

chr6	127119401	127119600	*	1.02E-110	8.96E-110	0.134038	chr6_1271	sig	hyper
chr6	127119601	127119800	*	8.08E-164	1.23E-162	0.162358	chr6_1271	sig	hyper
chr6	127119801	127120000	*	6.90E-208	1.62E-206	0.175138	chr6_1271	sig	hyper
chr6	127120001	127120200	*	8.69E-125	8.94E-124	0.180655	chr6_1271	sig	hyper
chr6	127514801	127515000	*	9.20E-105	7.61E-104	0.116961	chr6_1275	sig	hyper
chr6	127515001	127515200	*	2.15E-68	1.19E-67	0.109519	chr6_1275	sig	hyper
chr6	127518601	127518800	*	3.71E-71	2.11E-70	0.197952	chr6_1275	sig	hyper
chr6	127519401	127519600	*	7.67E-149	1.02E-147	0.155318	chr6_1275	sig	hyper
chr6	128930001	128930200	*	8.24E-34	2.76E-33	0.135931	chr6_1289	sig	hyper
chr6	132402001	132402200	*	2.22E-31	7.09E-31	0.149501	chr6_1324	sig	hyper
chr6	133240401	133240600	*	3.79E-187	7.20E-186	0.224201	chr6_1332	sig	hyper
chr6	133241601	133241800	*	2.04E-90	1.44E-89	0.39769	chr6_1332	sig	hyper
chr6	133242201	133242400	*	0	0	0.306075	chr6_1332	sig	hyper
chr6	133242401	133242600	*	1.31E-113	1.19E-112	0.183362	chr6_1332	sig	hyper
chr6	133242601	133242800	*	1.46E-186	2.76E-185	0.27112	chr6_1332	sig	hyper
chr6	133243401	133243600	*	6.08E-39	2.22E-38	0.111462	chr6_1332	sig	hyper
chr6	133889001	133889200	*	1.67E-29	5.12E-29	0.162976	chr6_1338	sig	hyper
chr6	133889401	133889600	*	5.48E-58	2.65E-57	0.175973	chr6_1338	sig	hyper
chr6	134115401	134115600	*	3.13E-19	7.47E-19	0.138521	chr6_1341	sig	hyper
chr6	134170001	134170200	*	3.00E-17	6.74E-17	0.13177	chr6_1341	sig	hyper
chr6	134176201	134176400	*	1.50E-60	7.46E-60	0.195913	chr6_1341	sig	hyper
chr6	134176401	134176600	*	2.43E-290	1.23E-288	0.276746	chr6_1341	sig	hyper
chr6	137492801	137493000	*	2.12E-43	8.35E-43	0.174473	chr6_1374	sig	hyper
chr6	137494401	137494600	*	8.62E-276	3.74E-274	0.252696	chr6_1374	sig	hyper
chr6	137495201	137495400	*	9.99E-223	2.68E-221	0.19626	chr6_1374	sig	hyper
chr6	137495801	137496000	*	2.65E-233	7.94E-232	0.327767	chr6_1374	sig	hyper
chr6	137496401	137496600	*	5.71E-45	2.30E-44	0.190255	chr6_1374	sig	hyper
chr6	137497201	137497400	*	2.24E-111	1.99E-110	0.209215	chr6_1374	sig	hyper
chr6	137498001	137498200	*	1.35E-221	3.56E-220	0.197484	chr6_1374	sig	hyper
chr6	146027601	146027800	*	3.05E-113	2.76E-112	0.242804	chr6_1460	sig	hyper
chr6	146029201	146029400	*	2.97E-156	4.20E-155	0.23833	chr6_1460	sig	hyper
chr6	146029401	146029600	*	5.67E-192	1.13E-190	0.221902	chr6_1460	sig	hyper
chr6	146434401	146434600	*	1.81E-176	3.12E-175	0.240823	chr6_1464	sig	hyper
chr6	146543001	146543200	*	1.66E-23	4.43E-23	-0.1038	chr6_1465	sig	hypo
chr6	148748601	148748800	*	7.96E-69	4.41E-68	0.155284	chr6_1487	sig	hyper
chr6	149450601	149450800	*	3.70E-44	1.47E-43	-0.11633	chr6_1494	sig	hypo
chr6	149482201	149482400	*	5.12E-51	2.25E-50	0.146645	chr6_1494	sig	hyper
chr6	149749001	149749200	*	1.08E-33	3.61E-33	-0.13774	chr6_1497	sig	hypo
chr6	149910801	149911000	*	7.90E-24	2.13E-23	-0.10861	chr6_1499	sig	hypo
chr6	149964401	149964600	*	0	0	0.223526	chr6_1499	sig	hyper
chr6	149964601	149964800	*	1.26E-280	5.72E-279	0.259676	chr6_1499	sig	hyper
chr6	149965001	149965200	*	0	0	0.336789	chr6_1499	sig	hyper
chr6	149965201	149965400	*	8.05E-165	1.24E-163	0.25783	chr6_1499	sig	hyper
chr6	150037601	150037800	*	1.61E-180	2.85E-179	0.190078	chr6_1500	sig	hyper
chr6	150037801	150038000	*	4.56E-143	5.67E-142	0.139582	chr6_1500	sig	hyper
chr6	151239801	151240000	*	2.42E-54	1.11E-53	0.139701	chr6_1512	sig	hyper
chr6	151241401	151241600	*	1.08E-43	4.29E-43	0.11246	chr6_1512	sig	hyper
chr6	151807201	151807400	*	1.75E-211	4.22E-210	0.286519	chr6_1518	sig	hyper
chr6	151807401	151807600	*	1.03E-170	1.69E-169	0.188619	chr6_1518	sig	hyper
chr6	151809001	151809200	*	5.09E-36	1.77E-35	0.112104	chr6_1518	sig	hyper
chr6	152637201	152637400	*	7.82E-121	7.71E-120	0.153821	chr6_1526	sig	hyper
chr6	156662001	156662200	*	6.67E-53	3.00E-52	-0.15253	chr6_1566	sig	hypo
chr6	156719601	156719800	*	2.14E-18	5.00E-18	-0.1087	chr6_1567	sig	hypo
chr6	157954601	157954800	*	5.25E-31	1.66E-30	-0.12157	chr6_1579	sig	hypo
chr6	158545401	158545600	*	2.25E-24	6.14E-24	-0.12419	chr6_1585	sig	hypo
chr6	158663001	158663200	*	6.79E-36	2.36E-35	-0.19893	chr6_1586	sig	hypo

chr6	158663201	158663400	*	2.82E-111	2.50E-110	-0.3237	chr6_1586	sig	hypo
chr6	158663401	158663600	*	2.68E-47	1.12E-46	-0.1768	chr6_1586	sig	hypo
chr6	159129201	159129400	*	5.39E-61	2.69E-60	-0.14819	chr6_1591	sig	hypo
chr6	159168801	159169000	*	8.14E-213	1.98E-211	0.196794	chr6_1591	sig	hyper
chr6	160090801	160091000	*	7.46E-84	4.92E-83	-0.13643	chr6_1600	sig	hypo
chr6	160679401	160679600	*	4.86E-100	3.81E-99	0.271	chr6_1606	sig	hyper
chr6	160767401	160767600	*	4.29E-305	2.50E-303	0.190766	chr6_1607	sig	hyper
chr6	161140001	161140200	*	1.87E-59	9.19E-59	-0.12007	chr6_1611	sig	hypo
chr6	163300801	163301000	*	4.58E-42	1.76E-41	-0.16589	chr6_1633	sig	hypo
chr6	163413201	163413400	*	2.79E-126	2.92E-125	0.223151	chr6_1634	sig	hyper
chr6	163413401	163413600	*	3.79E-120	3.71E-119	0.173009	chr6_1634	sig	hyper
chr6	165704001	165704200	*	2.21E-32	7.23E-32	-0.1297	chr6_1657	sig	hypo
chr6	165819401	165819600	*	0	0	0.277391	chr6_1658	sig	hyper
chr6	165846401	165846600	*	3.84E-62	1.95E-61	-0.1352	chr6_1658	sig	hypo
chr6	165846801	165847000	*	2.29E-61	1.15E-60	-0.1555	chr6_1658	sig	hypo
chr6	165847401	165847600	*	8.11E-48	3.41E-47	-0.114	chr6_1658	sig	hypo
chr6	166009001	166009200	*	6.74E-90	4.72E-89	0.151634	chr6_1660	sig	hyper
chr6	166009201	166009400	*	5.46E-113	4.94E-112	0.152271	chr6_1660	sig	hyper
chr6	166165601	166165800	*	1.60E-61	8.07E-61	0.16348	chr6_1661	sig	hyper
chr6	166253201	166253400	*	1.36E-47	5.69E-47	0.111479	chr6_1662	sig	hyper
chr6	166253801	166254000	*	1.30E-61	6.56E-61	0.134221	chr6_1662	sig	hyper
chr6	166691001	166691200	*	1.58E-100	1.25E-99	-0.23854	chr6_1666	sig	hypo
chr6	166870801	166871000	*	0	0	-0.33033	chr6_1668	sig	hypo
chr6	166871001	166871200	*	6.91E-85	4.60E-84	-0.18327	chr6_1668	sig	hypo
chr6	167157601	167157800	*	3.68E-115	3.41E-114	-0.20483	chr6_1671	sig	hypo
chr6	167241401	167241600	*	4.53E-51	1.99E-50	-0.15363	chr6_1672	sig	hypo
chr6	167644801	167645000	*	1.74E-15	3.70E-15	-0.10587	chr6_1676	sig	hypo
chr6	167678201	167678400	*	0	0	0.383421	chr6_1676	sig	hyper
chr6	167678401	167678600	*	0	0	0.362746	chr6_1676	sig	hyper
chr6	167797201	167797400	*	2.98E-74	1.75E-73	-0.12319	chr6_1677	sig	hypo
chr6	167815601	167815800	*	3.58E-38	1.29E-37	-0.11653	chr6_1678	sig	hypo
chr6	167815801	167816000	*	8.74E-126	9.10E-125	-0.24686	chr6_1678	sig	hypo
chr6	167825401	167825600	*	4.24E-102	3.41E-101	-0.1596	chr6_1678	sig	hypo
chr6	167975401	167975600	*	2.61E-76	1.58E-75	-0.12799	chr6_1679	sig	hypo
chr6	167977801	167978000	*	1.25E-83	8.24E-83	-0.228	chr6_1679	sig	hypo
chr6	167978001	167978200	*	1.90E-72	1.09E-71	-0.11971	chr6_1679	sig	hypo
chr6	167999201	167999400	*	1.94E-28	5.79E-28	-0.1298	chr6_1679	sig	hypo
chr6	168001601	168001800	*	1.79E-52	8.01E-52	-0.16739	chr6_1680	sig	hypo
chr6	168035601	168035800	*	3.60E-119	3.49E-118	-0.24184	chr6_1680	sig	hypo
chr6	168079001	168079200	*	8.22E-41	3.10E-40	-0.11064	chr6_1680	sig	hypo
chr6	168101201	168101400	*	1.40E-92	1.01E-91	0.204967	chr6_1681	sig	hyper
chr6	168132601	168132800	*	1.52E-46	6.28E-46	-0.12983	chr6_1681	sig	hypo
chr6	168132801	168133000	*	3.17E-122	3.17E-121	-0.13886	chr6_1681	sig	hypo
chr6	168133001	168133200	*	1.89E-65	1.00E-64	-0.13354	chr6_1681	sig	hypo
chr6	168150601	168150800	*	1.61E-55	7.54E-55	-0.16707	chr6_1681	sig	hypo
chr6	168227601	168227800	*	4.11E-195	8.45E-194	-0.32938	chr6_1682	sig	hypo
chr6	168264601	168264800	*	1.15E-48	4.91E-48	-0.13997	chr6_1682	sig	hypo
chr6	168264801	168265000	*	3.46E-49	1.48E-48	-0.11012	chr6_1682	sig	hypo
chr6	168356201	168356400	*	1.78E-56	8.41E-56	-0.14373	chr6_1683	sig	hypo
chr6	168356401	168356600	*	3.37E-65	1.78E-64	-0.17217	chr6_1683	sig	hypo
chr6	168373001	168373200	*	1.27E-22	3.32E-22	-0.10707	chr6_1683	sig	hypo
chr6	168410401	168410600	*	7.35E-83	4.78E-82	-0.25784	chr6_1684	sig	hypo
chr6	168410601	168410800	*	1.78E-78	1.11E-77	-0.22806	chr6_1684	sig	hypo
chr6	168414801	168415000	*	7.62E-36	2.64E-35	-0.13979	chr6_1684	sig	hypo
chr6	168444001	168444200	*	3.88E-130	4.22E-129	0.264337	chr6_1684	sig	hyper
chr6	168625601	168625800	*	1.12E-49	4.84E-49	-0.11414	chr6_1686	sig	hypo

chr6	168872001	168872200	*	2.12E-46	8.73E-46	-0.10738	chr6_1688	sig	hypo
chr6	168887001	168887200	*	1.25E-80	7.93E-80	-0.20396	chr6_1688	sig	hypo
chr6	168999401	168999600	*	1.11E-156	1.58E-155	-0.30465	chr6_1689	sig	hypo
chr6	169140601	169140800	*	4.72E-93	3.42E-92	-0.20108	chr6_1691	sig	hypo
chr6	169158801	169159000	*	1.20E-134	1.38E-133	-0.18412	chr6_1691	sig	hypo
chr6	169160001	169160200	*	1.51E-41	5.76E-41	-0.11312	chr6_1691	sig	hypo
chr6	169169601	169169800	*	2.82E-50	1.23E-49	-0.16466	chr6_1691	sig	hypo
chr6	169225401	169225600	*	8.33E-31	2.63E-30	-0.11216	chr6_1692	sig	hypo
chr6	169638401	169638600	*	2.96E-63	1.52E-62	-0.16943	chr6_1696	sig	hypo
chr6	169801401	169801600	*	1.31E-34	4.45E-34	-0.1097	chr6_1698	sig	hypo
chr6	170023401	170023600	*	2.10E-46	8.67E-46	0.197421	chr6_1700	sig	hyper
chr6	170049401	170049600	*	5.45E-27	1.58E-26	-0.11731	chr6_1700	sig	hypo
chr6	170058401	170058600	*	2.44E-51	1.07E-50	-0.19693	chr6_1700	sig	hypo
chr6	170058601	170058800	*	2.66E-44	1.06E-43	-0.13269	chr6_1700	sig	hypo
chr6	170081601	170081800	*	2.33E-50	1.02E-49	-0.13171	chr6_1700	sig	hypo
chr6	170081801	170082000	*	1.52E-74	9.00E-74	-0.15187	chr6_1700	sig	hypo
chr6	170083201	170083400	*	2.92E-99	2.27E-98	-0.21903	chr6_1700	sig	hypo
chr6	170083401	170083600	*	2.01E-51	8.88E-51	-0.12666	chr6_1700	sig	hypo
chr6	170147801	170148000	*	9.70E-31	3.06E-30	0.114092	chr6_1701	sig	hyper
chr6	170152601	170152800	*	1.70E-25	4.78E-25	-0.10359	chr6_1701	sig	hypo
chr6	170152801	170153000	*	1.88E-57	8.99E-57	-0.12604	chr6_1701	sig	hypo
chr6	170162801	170163000	*	3.53E-48	1.49E-47	-0.12128	chr6_1701	sig	hypo
chr6	170166601	170166800	*	2.55E-75	1.53E-74	-0.17667	chr6_1701	sig	hypo
chr6	170177001	170177200	*	0	0	-0.34362	chr6_1701	sig	hypo
chr6	170224801	170225000	*	5.16E-77	3.14E-76	-0.22689	chr6_1702	sig	hypo
chr6	170244201	170244400	*	3.41E-109	2.96E-108	-0.20364	chr6_1702	sig	hypo
chr6	170423001	170423200	*	5.31E-193	1.07E-191	0.174312	chr6_1704	sig	hyper
chr6	170423201	170423400	*	8.47E-151	1.14E-149	0.200668	chr6_1704	sig	hyper
chr7	31401	31600	*	5.25E-51	2.31E-50	0.159597	chr7_3140	sig	hyper
chr7	82401	82600	*	1.45E-42	5.61E-42	-0.10764	chr7_8240	sig	hypo
chr7	82801	83000	*	3.41E-56	1.60E-55	-0.11791	chr7_8280	sig	hypo
chr7	118801	119000	*	2.24E-105	1.86E-104	-0.16864	chr7_1188	sig	hypo
chr7	119201	119400	*	6.02E-23	1.58E-22	-0.13935	chr7_1192	sig	hypo
chr7	119601	119800	*	1.10E-107	9.35E-107	-0.20173	chr7_1196	sig	hypo
chr7	143001	143200	*	2.76E-179	4.86E-178	0.185404	chr7_1430	sig	hyper
chr7	149801	150000	*	1.98E-28	5.93E-28	0.121807	chr7_1498	sig	hyper
chr7	161601	161800	*	3.09E-35	1.06E-34	0.119626	chr7_1616	sig	hyper
chr7	169601	169800	*	4.97E-51	2.19E-50	-0.14117	chr7_1696	sig	hypo
chr7	175601	175800	*	1.39E-32	4.54E-32	-0.15958	chr7_1756	sig	hypo
chr7	181201	181400	*	3.88E-44	1.54E-43	-0.12896	chr7_1812	sig	hypo
chr7	228001	228200	*	7.66E-36	2.66E-35	-0.11816	chr7_2280	sig	hypo
chr7	530001	530200	*	2.43E-50	1.06E-49	-0.13486	chr7_5300	sig	hypo
chr7	530201	530400	*	4.31E-64	2.24E-63	-0.1295	chr7_5302	sig	hypo
chr7	533401	533600	*	0	0	-0.33068	chr7_5334	sig	hypo
chr7	546801	547000	*	6.22E-73	3.61E-72	-0.15584	chr7_5468	sig	hypo
chr7	561601	561800	*	1.80E-270	7.43E-269	0.246269	chr7_5616	sig	hyper
chr7	561801	562000	*	2.60E-160	3.82E-159	0.285787	chr7_5618	sig	hyper
chr7	568801	569000	*	8.38E-47	3.47E-46	0.108262	chr7_5688	sig	hyper
chr7	585401	585600	*	5.49E-54	2.51E-53	0.11487	chr7_5854	sig	hyper
chr7	604601	604800	*	6.12E-100	4.80E-99	0.148098	chr7_6046	sig	hyper
chr7	794801	795000	*	3.85E-39	1.42E-38	-0.1291	chr7_7948	sig	hypo
chr7	813401	813600	*	1.18E-226	3.32E-225	-0.18484	chr7_8134	sig	hypo
chr7	867001	867200	*	1.33E-64	6.96E-64	0.122657	chr7_8670	sig	hyper
chr7	915801	916000	*	8.83E-85	5.87E-84	-0.17239	chr7_9158	sig	hypo
chr7	916001	916200	*	2.79E-76	1.69E-75	-0.16275	chr7_9160	sig	hypo
chr7	921601	921800	*	1.22E-87	8.37E-87	-0.19182	chr7_9216	sig	hypo

chr7	923601	923800	*	4.09E-223	1.10E-221	-0.22731	chr7_9236	sig	hypo
chr7	949401	949600	*	7.49E-56	3.51E-55	-0.14462	chr7_9494	sig	hypo
chr7	957201	957400	*	8.93E-18	2.04E-17	-0.10327	chr7_9572	sig	hypo
chr7	965001	965200	*	8.42E-108	7.17E-107	-0.21538	chr7_9650	sig	hypo
chr7	984401	984600	*	5.11E-69	2.84E-68	0.101574	chr7_9844	sig	hyper
chr7	986001	986200	*	8.66E-74	5.06E-73	-0.12314	chr7_9860	sig	hypo
chr7	986401	986600	*	8.72E-134	9.89E-133	-0.22316	chr7_9864	sig	hypo
chr7	1027601	1027800	*	2.08E-74	1.23E-73	0.112969	chr7_1027	sig	hyper
chr7	1040801	1041000	*	1.06E-74	6.28E-74	0.111607	chr7_1040	sig	hyper
chr7	1043601	1043800	*	5.57E-92	3.99E-91	-0.14986	chr7_1043	sig	hypo
chr7	1055201	1055400	*	4.84E-75	2.89E-74	0.131208	chr7_1055	sig	hyper
chr7	1074601	1074800	*	2.07E-30	6.48E-30	-0.10322	chr7_1074	sig	hypo
chr7	1083801	1084000	*	4.39E-41	1.66E-40	-0.11481	chr7_1083	sig	hypo
chr7	1144601	1144800	*	3.33E-33	1.10E-32	-0.15371	chr7_1144	sig	hypo
chr7	1156601	1156800	*	1.59E-76	9.62E-76	-0.21557	chr7_1156	sig	hypo
chr7	1158801	1159000	*	4.23E-47	1.76E-46	-0.20257	chr7_1158	sig	hypo
chr7	1159001	1159200	*	1.05E-38	3.81E-38	-0.12617	chr7_1159	sig	hypo
chr7	1169801	1170000	*	1.16E-250	4.12E-249	0.244268	chr7_1169	sig	hyper
chr7	1195201	1195400	*	9.07E-42	3.48E-41	-0.14672	chr7_1195	sig	hypo
chr7	1224401	1224600	*	3.39E-99	2.63E-98	0.234825	chr7_1224	sig	hyper
chr7	1230801	1231000	*	3.22E-55	1.50E-54	0.181542	chr7_1230	sig	hyper
chr7	1231001	1231200	*	2.04E-54	9.40E-54	0.217373	chr7_1231	sig	hyper
chr7	1232801	1233000	*	1.12E-74	6.63E-74	0.199551	chr7_1232	sig	hyper
chr7	1234401	1234600	*	3.23E-92	2.32E-91	0.227709	chr7_1234	sig	hyper
chr7	1235601	1235800	*	4.39E-170	7.16E-169	0.214846	chr7_1235	sig	hyper
chr7	1235801	1236000	*	2.20E-104	1.81E-103	0.177679	chr7_1235	sig	hyper
chr7	1236801	1237000	*	2.11E-46	8.68E-46	0.106342	chr7_1236	sig	hyper
chr7	1241801	1242000	*	2.85E-25	7.97E-25	0.122232	chr7_1241	sig	hyper
chr7	1242401	1242600	*	1.29E-75	7.76E-75	0.189969	chr7_1242	sig	hyper
chr7	1246601	1246800	*	2.84E-165	4.41E-164	0.154397	chr7_1246	sig	hyper
chr7	1254001	1254200	*	1.72E-28	5.16E-28	-0.10217	chr7_1254	sig	hypo
chr7	1289201	1289400	*	6.78E-22	1.73E-21	-0.10804	chr7_1289	sig	hypo
chr7	1296401	1296600	*	4.74E-47	1.97E-46	-0.1444	chr7_1296	sig	hypo
chr7	1325201	1325400	*	8.04E-31	2.54E-30	-0.13739	chr7_1325	sig	hypo
chr7	1348801	1349000	*	1.25E-33	4.18E-33	-0.15281	chr7_1348	sig	hypo
chr7	1383201	1383400	*	1.44E-50	6.31E-50	-0.12386	chr7_1383	sig	hypo
chr7	1383401	1383600	*	8.36E-40	3.11E-39	-0.12837	chr7_1383	sig	hypo
chr7	1421001	1421200	*	1.77E-62	9.03E-62	-0.1418	chr7_1421	sig	hypo
chr7	1421201	1421400	*	4.51E-115	4.18E-114	-0.12435	chr7_1421	sig	hypo
chr7	1513401	1513600	*	1.35E-281	6.21E-280	-0.30536	chr7_1513	sig	hypo
chr7	1520601	1520800	*	3.07E-55	1.43E-54	-0.18438	chr7_1520	sig	hypo
chr7	1520801	1521000	*	7.96E-44	3.16E-43	-0.15165	chr7_1520	sig	hypo
chr7	1542801	1543000	*	1.78E-54	8.19E-54	-0.16304	chr7_1542	sig	hypo
chr7	1543401	1543600	*	2.48E-62	1.26E-61	-0.12827	chr7_1543	sig	hypo
chr7	1544401	1544600	*	2.71E-34	9.15E-34	-0.10205	chr7_1544	sig	hypo
chr7	1566601	1566800	*	8.35E-77	5.08E-76	-0.19042	chr7_1566	sig	hypo
chr7	1567601	1567800	*	3.02E-79	1.89E-78	-0.16704	chr7_1567	sig	hypo
chr7	1587401	1587600	*	7.34E-20	1.78E-19	-0.12162	chr7_1587	sig	hypo
chr7	1596601	1596800	*	3.03E-25	8.46E-25	-0.12219	chr7_1596	sig	hypo
chr7	1600401	1600600	*	7.60E-21	1.89E-20	-0.12595	chr7_1600	sig	hypo
chr7	1602001	1602200	*	3.43E-174	5.81E-173	-0.20527	chr7_1602	sig	hypo
chr7	1602201	1602400	*	4.15E-227	1.17E-225	-0.25236	chr7_1602	sig	hypo
chr7	1604001	1604200	*	1.06E-71	6.05E-71	-0.14553	chr7_1604	sig	hypo
chr7	1620801	1621000	*	2.42E-94	1.78E-93	-0.17815	chr7_1620	sig	hypo
chr7	1645001	1645200	*	1.15E-47	4.84E-47	-0.17797	chr7_1645	sig	hypo
chr7	1693601	1693800	*	1.69E-65	8.98E-65	-0.16595	chr7_1693	sig	hypo

chr7	1700801	1701000	*	5.41E-24	1.46E-23	-0.10306	chr7_1700	sig	hypo
chr7	1707001	1707200	*	2.80E-30	8.74E-30	-0.1158	chr7_1707	sig	hypo
chr7	1736401	1736600	*	1.49E-61	7.53E-61	-0.16479	chr7_1736	sig	hypo
chr7	1742401	1742600	*	3.02E-46	1.24E-45	-0.20407	chr7_1742	sig	hypo
chr7	1742601	1742800	*	5.25E-18	1.21E-17	-0.1123	chr7_1742	sig	hypo
chr7	1747401	1747600	*	1.75E-26	5.03E-26	-0.11903	chr7_1747	sig	hypo
chr7	1747601	1747800	*	1.82E-34	6.18E-34	-0.10381	chr7_1747	sig	hypo
chr7	1753001	1753200	*	2.98E-22	7.68E-22	-0.12759	chr7_1753	sig	hypo
chr7	1761801	1762000	*	7.53E-194	1.53E-192	-0.31564	chr7_1761	sig	hypo
chr7	1854001	1854200	*	2.37E-60	1.17E-59	-0.14388	chr7_1854	sig	hypo
chr7	1928001	1928200	*	7.54E-75	4.49E-74	0.170399	chr7_1928	sig	hyper
chr7	1940401	1940600	*	2.14E-23	5.70E-23	0.106568	chr7_1940	sig	hyper
chr7	2019601	2019800	*	1.38E-38	5.00E-38	-0.13942	chr7_2019	sig	hypo
chr7	2030201	2030400	*	3.26E-32	1.06E-31	0.114401	chr7_2030	sig	hyper
chr7	2039201	2039400	*	4.97E-55	2.31E-54	0.124298	chr7_2039	sig	hyper
chr7	2079401	2079600	*	4.14E-84	2.74E-83	-0.23036	chr7_2079	sig	hypo
chr7	2110201	2110400	*	6.53E-154	9.05E-153	-0.18502	chr7_2110	sig	hypo
chr7	2123601	2123800	*	3.66E-98	2.81E-97	-0.11608	chr7_2123	sig	hypo
chr7	2193401	2193600	*	9.60E-113	8.66E-112	-0.22423	chr7_2193	sig	hypo
chr7	2406001	2406200	*	1.74E-22	4.53E-22	0.105516	chr7_2406	sig	hyper
chr7	2440801	2441000	*	1.64E-53	7.45E-53	-0.17577	chr7_2440	sig	hypo
chr7	2460001	2460200	*	9.47E-59	4.62E-58	-0.15	chr7_2460	sig	hypo
chr7	2479001	2479200	*	1.65E-62	8.40E-62	-0.11986	chr7_2479	sig	hypo
chr7	2508401	2508600	*	3.02E-116	2.83E-115	-0.13107	chr7_2508	sig	hypo
chr7	2509001	2509200	*	2.29E-88	1.58E-87	-0.19873	chr7_2509	sig	hypo
chr7	2509201	2509400	*	2.37E-48	1.00E-47	-0.12556	chr7_2509	sig	hypo
chr7	2511801	2512000	*	1.55E-47	6.51E-47	-0.12781	chr7_2511	sig	hypo
chr7	2567001	2567200	*	2.55E-231	7.55E-230	0.261354	chr7_2567	sig	hyper
chr7	2569601	2569800	*	6.33E-107	5.34E-106	-0.15432	chr7_2569	sig	hypo
chr7	2570001	2570200	*	2.49E-222	6.65E-221	-0.32684	chr7_2570	sig	hypo
chr7	2572201	2572400	*	7.42E-189	1.45E-187	-0.30575	chr7_2572	sig	hypo
chr7	2572401	2572600	*	1.40E-191	2.80E-190	-0.27499	chr7_2572	sig	hypo
chr7	2607001	2607200	*	4.07E-106	3.42E-105	-0.23825	chr7_2607	sig	hypo
chr7	2607201	2607400	*	5.85E-134	6.65E-133	-0.21847	chr7_2607	sig	hypo
chr7	2614801	2615000	*	9.03E-68	4.93E-67	-0.14917	chr7_2614	sig	hypo
chr7	2661801	2662000	*	3.81E-171	6.30E-170	-0.3189	chr7_2661	sig	hypo
chr7	2662001	2662200	*	2.00E-237	6.25E-236	-0.26585	chr7_2662	sig	hypo
chr7	2665401	2665600	*	1.56E-111	1.39E-110	-0.20646	chr7_2665	sig	hypo
chr7	2665601	2665800	*	1.03E-113	9.40E-113	-0.22504	chr7_2665	sig	hypo
chr7	2678401	2678600	*	6.18E-27	1.79E-26	-0.12794	chr7_2678	sig	hypo
chr7	2678601	2678800	*	1.73E-23	4.61E-23	-0.11438	chr7_2678	sig	hypo
chr7	2692001	2692200	*	1.10E-18	2.59E-18	-0.15581	chr7_2692	sig	hypo
chr7	2699201	2699400	*	6.88E-80	4.34E-79	-0.19368	chr7_2699	sig	hypo
chr7	2721001	2721200	*	3.57E-50	1.55E-49	-0.13514	chr7_2721	sig	hypo
chr7	2733401	2733600	*	3.04E-149	4.04E-148	-0.23091	chr7_2733	sig	hypo
chr7	2734801	2735000	*	2.50E-72	1.44E-71	0.111339	chr7_2734	sig	hyper
chr7	2904401	2904600	*	3.15E-54	1.45E-53	-0.17327	chr7_2904	sig	hypo
chr7	2932401	2932600	*	5.87E-45	2.36E-44	-0.19318	chr7_2932	sig	hypo
chr7	3056801	3057000	*	1.26E-30	3.97E-30	0.101604	chr7_3056	sig	hyper
chr7	3181401	3181600	*	2.80E-89	1.95E-88	-0.21588	chr7_3181	sig	hypo
chr7	3302001	3302200	*	1.18E-61	5.93E-61	0.107905	chr7_3302	sig	hyper
chr7	3302201	3302400	*	2.74E-75	1.64E-74	0.11979	chr7_3302	sig	hyper
chr7	3880401	3880600	*	1.55E-97	1.18E-96	-0.15554	chr7_3880	sig	hypo
chr7	4093601	4093800	*	1.04E-179	1.83E-178	0.277301	chr7_4093	sig	hyper
chr7	4127801	4128000	*	7.69E-42	2.95E-41	-0.13359	chr7_4127	sig	hypo
chr7	4135601	4135800	*	8.92E-28	2.63E-27	-0.10723	chr7_4135	sig	hypo

chr7	4214601	4214800	*	3.14E-32	1.02E-31	-0.13433	chr7_4214	sig	hypo
chr7	4725201	4725400	*	3.79E-215	9.36E-214	0.206851	chr7_4725	sig	hyper
chr7	4725401	4725600	*	6.85E-36	2.38E-35	0.135746	chr7_4725	sig	hyper
chr7	4804001	4804200	*	1.88E-49	8.11E-49	-0.14238	chr7_4804	sig	hypo
chr7	4807201	4807400	*	1.62E-14	3.34E-14	-0.12597	chr7_4807	sig	hypo
chr7	4810401	4810600	*	2.06E-60	1.02E-59	-0.21084	chr7_4810	sig	hypo
chr7	4810601	4810800	*	4.55E-241	1.48E-239	-0.21947	chr7_4810	sig	hypo
chr7	4822601	4822800	*	9.31E-70	5.21E-69	-0.23685	chr7_4822	sig	hypo
chr7	4833201	4833400	*	2.20E-67	1.20E-66	-0.13832	chr7_4833	sig	hypo
chr7	4833401	4833600	*	1.06E-47	4.45E-47	-0.10474	chr7_4833	sig	hypo
chr7	4837201	4837400	*	1.77E-57	8.48E-57	-0.15138	chr7_4837	sig	hypo
chr7	4839001	4839200	*	7.14E-41	2.70E-40	-0.10676	chr7_4839	sig	hypo
chr7	4862001	4862200	*	4.05E-45	1.63E-44	0.141362	chr7_4862	sig	hyper
chr7	5144401	5144600	*	6.17E-23	1.62E-22	0.105655	chr7_5144	sig	hyper
chr7	5237401	5237600	*	4.95E-82	3.19E-81	-0.15396	chr7_5237	sig	hypo
chr7	5297001	5297200	*	9.25E-67	4.98E-66	-0.10636	chr7_5297	sig	hypo
chr7	5300601	5300800	*	1.45E-144	1.83E-143	-0.174	chr7_5300	sig	hypo
chr7	5303201	5303400	*	0	0	-0.41117	chr7_5303	sig	hypo
chr7	5303401	5303600	*	2.68E-107	2.27E-106	-0.26041	chr7_5303	sig	hypo
chr7	5304001	5304200	*	0	0	-0.35565	chr7_5304	sig	hypo
chr7	5478601	5478800	*	2.48E-30	7.74E-30	0.138676	chr7_5478	sig	hyper
chr7	5495801	5496000	*	7.55E-26	2.13E-25	-0.10358	chr7_5495	sig	hypo
chr7	5528401	5528600	*	1.37E-75	8.24E-75	-0.12293	chr7_5528	sig	hypo
chr7	5528601	5528800	*	1.04E-52	4.66E-52	-0.10453	chr7_5528	sig	hypo
chr7	5590201	5590400	*	3.81E-52	1.70E-51	-0.1582	chr7_5590	sig	hypo
chr7	5608201	5608400	*	9.70E-42	3.72E-41	-0.10367	chr7_5608	sig	hypo
chr7	5610401	5610600	*	1.71E-16	3.76E-16	-0.10582	chr7_5610	sig	hypo
chr7	5781801	5782000	*	1.54E-36	5.42E-36	-0.1741	chr7_5781	sig	hypo
chr7	6399001	6399200	*	1.76E-30	5.52E-30	-0.11256	chr7_6399	sig	hypo
chr7	6536601	6536800	*	3.24E-39	1.19E-38	0.141455	chr7_6536	sig	hyper
chr7	6663801	6664000	*	4.96E-26	1.41E-25	0.12977	chr7_6663	sig	hyper
chr7	6664401	6664600	*	2.37E-48	1.00E-47	0.180095	chr7_6664	sig	hyper
chr7	6842401	6842600	*	1.33E-134	1.53E-133	-0.19819	chr7_6842	sig	hypo
chr7	6846201	6846400	*	5.00E-29	1.52E-28	-0.11133	chr7_6846	sig	hypo
chr7	6871401	6871600	*	1.01E-147	1.33E-146	-0.22051	chr7_6871	sig	hypo
chr7	8434801	8435000	*	2.75E-79	1.72E-78	0.26733	chr7_8434	sig	hyper
chr7	8435801	8436000	*	2.76E-90	1.95E-89	0.24095	chr7_8435	sig	hyper
chr7	8441001	8441200	*	7.23E-117	6.84E-116	0.178389	chr7_8441	sig	hyper
chr7	8441201	8441400	*	9.84E-42	3.77E-41	0.127236	chr7_8441	sig	hyper
chr7	8442401	8442600	*	0	0	0.304632	chr7_8442	sig	hyper
chr7	8442601	8442800	*	2.61E-271	1.09E-269	0.265116	chr7_8442	sig	hyper
chr7	8443601	8443800	*	2.89E-288	1.43E-286	0.302599	chr7_8443	sig	hyper
chr7	8444001	8444200	*	1.24E-271	5.21E-270	0.352806	chr7_8444	sig	hyper
chr7	10973201	10973400	*	9.45E-64	4.88E-63	-0.2012	chr7_1097	sig	hypo
chr7	12404201	12404400	*	4.81E-90	3.38E-89	0.185534	chr7_1240	sig	hyper
chr7	15686201	15686400	*	2.06E-40	7.72E-40	0.125422	chr7_1568	sig	hyper
chr7	15687201	15687400	*	4.27E-27	1.24E-26	0.135834	chr7_1568	sig	hyper
chr7	15687401	15687600	*	7.65E-42	2.94E-41	0.187204	chr7_1568	sig	hyper
chr7	15687801	15688000	*	7.41E-208	1.74E-206	0.183666	chr7_1568	sig	hyper
chr7	18087201	18087400	*	1.75E-103	1.43E-102	0.132544	chr7_1808	sig	hyper
chr7	18087801	18088000	*	1.78E-24	4.87E-24	-0.12292	chr7_1808	sig	hypo
chr7	19106601	19106800	*	7.55E-150	1.01E-148	0.193918	chr7_1910	sig	hyper
chr7	19106801	19107000	*	9.23E-184	1.69E-182	0.241402	chr7_1910	sig	hyper
chr7	19107601	19107800	*	0	0	0.197465	chr7_1910	sig	hyper
chr7	19112401	19112600	*	3.37E-64	1.75E-63	0.219529	chr7_1911	sig	hyper
chr7	19112601	19112800	*	1.96E-14	4.03E-14	0.130288	chr7_1911	sig	hyper

chr7	19117401	19117600	*	1.45E-155	2.04E-154	0.217726	chr7_1911	sig	hyper
chr7	19117601	19117800	*	4.78E-251	1.71E-249	0.24413	chr7_1911	sig	hyper
chr7	19118001	19118200	*	1.00E-188	1.95E-187	0.270632	chr7_1911	sig	hyper
chr7	19118401	19118600	*	7.68E-166	1.20E-164	0.260377	chr7_1911	sig	hyper
chr7	19119001	19119200	*	3.89E-247	1.33E-245	0.23316	chr7_1911	sig	hyper
chr7	19143801	19144000	*	3.30E-75	1.97E-74	0.204167	chr7_1914	sig	hyper
chr7	19772801	19773000	*	1.36E-81	8.72E-81	0.148956	chr7_1977	sig	hyper
chr7	20776601	20776800	*	8.81E-83	5.73E-82	0.136503	chr7_2077	sig	hyper
chr7	20779201	20779400	*	1.34E-58	6.54E-58	0.164302	chr7_2077	sig	hyper
chr7	20793401	20793600	*	1.05E-79	6.61E-79	0.247952	chr7_2079	sig	hyper
chr7	21543601	21543800	*	1.21E-94	8.92E-94	0.107839	chr7_2154	sig	hyper
chr7	21543801	21544000	*	2.70E-87	1.84E-86	0.124957	chr7_2154	sig	hyper
chr7	23246801	23247000	*	1.55E-78	9.63E-78	-0.21252	chr7_2324	sig	hypo
chr7	23247601	23247800	*	3.13E-201	6.85E-200	0.238388	chr7_2324	sig	hyper
chr7	23247801	23248000	*	0	0	0.248936	chr7_2324	sig	hyper
chr7	23469801	23470000	*	6.46E-75	3.85E-74	0.100708	chr7_2346	sig	hyper
chr7	23490601	23490800	*	1.36E-41	5.22E-41	0.155105	chr7_2349	sig	hyper
chr7	23490801	23491000	*	5.09E-211	1.22E-209	0.197353	chr7_2349	sig	hyper
chr7	23491001	23491200	*	3.83E-46	1.57E-45	0.106802	chr7_2349	sig	hyper
chr7	23710001	23710200	*	2.57E-199	5.48E-198	-0.17081	chr7_2371	sig	hypo
chr7	24283801	24284000	*	3.87E-126	4.04E-125	0.384757	chr7_2428	sig	hyper
chr7	24284201	24284400	*	1.47E-299	7.98E-298	0.332343	chr7_2428	sig	hyper
chr7	24285201	24285400	*	2.67E-284	1.26E-282	0.284876	chr7_2428	sig	hyper
chr7	24756801	24757000	*	1.49E-87	1.01E-86	0.118774	chr7_2475	sig	hyper
chr7	24757601	24757800	*	5.87E-159	8.53E-158	0.143938	chr7_2475	sig	hyper
chr7	24757801	24758000	*	1.15E-140	1.40E-139	0.103623	chr7_2475	sig	hyper
chr7	25856001	25856200	*	1.76E-88	1.22E-87	-0.1554	chr7_2585	sig	hypo
chr7	25952801	25953000	*	1.10E-77	6.74E-77	-0.11026	chr7_2595	sig	hypo
chr7	27101401	27101600	*	1.44E-303	8.23E-302	0.235016	chr7_2710	sig	hyper
chr7	27102801	27103000	*	1.46E-245	4.97E-244	0.335709	chr7_2710	sig	hyper
chr7	27103001	27103200	*	0	0	0.310144	chr7_2710	sig	hyper
chr7	27103601	27103800	*	0	0	0.237823	chr7_2710	sig	hyper
chr7	27103801	27104000	*	1.65E-115	1.54E-114	0.212678	chr7_2710	sig	hyper
chr7	27106401	27106600	*	1.21E-72	7.02E-72	0.233236	chr7_2710	sig	hyper
chr7	27106601	27106800	*	0	0	0.260332	chr7_2710	sig	hyper
chr7	27108401	27108600	*	5.88E-230	1.71E-228	0.298903	chr7_2710	sig	hyper
chr7	27110601	27110800	*	0	0	0.189759	chr7_2711	sig	hyper
chr7	27113201	27113400	*	1.98E-24	5.42E-24	0.156815	chr7_2711	sig	hyper
chr7	27115801	27116000	*	5.53E-48	2.33E-47	0.16757	chr7_2711	sig	hyper
chr7	27124201	27124400	*	0	0	0.248424	chr7_2712	sig	hyper
chr7	27131401	27131600	*	1.29E-50	5.64E-50	-0.16774	chr7_2713	sig	hypo
chr7	27133801	27134000	*	4.90E-25	1.36E-24	-0.1353	chr7_2713	sig	hypo
chr7	27142001	27142200	*	1.21E-72	7.01E-72	0.153107	chr7_2714	sig	hyper
chr7	27143001	27143200	*	4.11E-24	1.12E-23	0.136596	chr7_2714	sig	hyper
chr7	27143401	27143600	*	4.33E-26	1.23E-25	0.117647	chr7_2714	sig	hyper
chr7	27143801	27144000	*	4.64E-45	1.87E-44	0.117552	chr7_2714	sig	hyper
chr7	27144001	27144200	*	2.34E-98	1.80E-97	0.168699	chr7_2714	sig	hyper
chr7	27145401	27145600	*	2.06E-22	5.34E-22	0.122545	chr7_2714	sig	hyper
chr7	27145801	27146000	*	1.70E-44	6.81E-44	0.124977	chr7_2714	sig	hyper
chr7	27147201	27147400	*	4.02E-40	1.50E-39	0.119602	chr7_2714	sig	hyper
chr7	27148201	27148400	*	6.53E-34	2.19E-33	0.100024	chr7_2714	sig	hyper
chr7	27252401	27252600	*	2.98E-47	1.24E-46	-0.2423	chr7_2725	sig	hypo
chr7	28410201	28410400	*	7.40E-261	2.87E-259	0.200966	chr7_2841	sig	hyper
chr7	28411001	28411200	*	1.15E-100	9.08E-100	0.149335	chr7_2841	sig	hyper
chr7	28411201	28411400	*	9.95E-46	4.05E-45	0.119237	chr7_2841	sig	hyper
chr7	29988601	29988800	*	3.24E-11	5.88E-11	0.142334	chr7_2998	sig	hyper

chr7	30136401	30136600	*	1.22E-93	8.87E-93	0.241216	chr7_3013	sig	hyper
chr7	30682201	30682400	*	2.37E-117	2.25E-116	0.147945	chr7_3068	sig	hyper
chr7	30912001	30912200	*	5.05E-209	1.20E-207	0.199155	chr7_3091	sig	hyper
chr7	30912201	30912400	*	3.53E-111	3.13E-110	0.203548	chr7_3091	sig	hyper
chr7	31193201	31193400	*	1.46E-106	1.23E-105	0.127513	chr7_3119	sig	hyper
chr7	32070201	32070400	*	1.42E-64	7.44E-64	0.178249	chr7_3207	sig	hyper
chr7	32070401	32070600	*	3.15E-146	4.04E-145	0.239626	chr7_3207	sig	hyper
chr7	32318601	32318800	*	2.79E-39	1.03E-38	0.143135	chr7_3231	sig	hyper
chr7	32318801	32319000	*	8.19E-56	3.84E-55	0.156511	chr7_3231	sig	hyper
chr7	32427801	32428000	*	4.02E-116	3.77E-115	0.273304	chr7_3242	sig	hyper
chr7	32761601	32761800	*	1.49E-75	8.96E-75	0.126723	chr7_3276	sig	hyper
chr7	32761801	32762000	*	3.14E-78	1.94E-77	0.147858	chr7_3276	sig	hyper
chr7	35185601	35185800	*	2.24E-147	2.91E-146	0.209678	chr7_3518	sig	hyper
chr7	35186001	35186200	*	8.19E-249	2.87E-247	0.184661	chr7_3518	sig	hyper
chr7	35186601	35186800	*	8.28E-105	6.85E-104	0.155642	chr7_3518	sig	hyper
chr7	35253601	35253800	*	1.20E-28	3.61E-28	0.100311	chr7_3525	sig	hyper
chr7	35254801	35255000	*	1.27E-199	2.71E-198	0.245714	chr7_3525	sig	hyper
chr7	35255201	35255400	*	1.56E-58	7.59E-58	0.182807	chr7_3525	sig	hyper
chr7	35257201	35257400	*	6.87E-133	7.70E-132	0.167299	chr7_3525	sig	hyper
chr7	35257401	35257600	*	1.93E-217	4.90E-216	0.170747	chr7_3525	sig	hyper
chr7	35259001	35259200	*	1.25E-189	2.45E-188	0.185302	chr7_3525	sig	hyper
chr7	35262201	35262400	*	1.07E-129	1.17E-128	0.245596	chr7_3526	sig	hyper
chr7	35454801	35455000	*	1.89E-73	1.10E-72	0.317484	chr7_3545	sig	hyper
chr7	35455001	35455200	*	3.62E-48	1.53E-47	0.158535	chr7_3545	sig	hyper
chr7	35455201	35455400	*	1.23E-21	3.13E-21	0.140542	chr7_3545	sig	hyper
chr7	36192001	36192200	*	8.25E-23	2.16E-22	0.130961	chr7_3619	sig	hyper
chr7	37448601	37448800	*	4.22E-131	4.64E-130	0.20315	chr7_3744	sig	hyper
chr7	37448801	37449000	*	1.97E-155	2.77E-154	0.117229	chr7_3744	sig	hyper
chr7	37449001	37449200	*	1.30E-197	2.73E-196	0.13914	chr7_3744	sig	hyper
chr7	37449201	37449400	*	8.40E-142	1.03E-140	0.19631	chr7_3744	sig	hyper
chr7	38311201	38311400	*	1.66E-135	1.92E-134	0.259805	chr7_3831	sig	hyper
chr7	38976001	38976200	*	1.72E-133	1.94E-132	0.316117	chr7_3897	sig	hyper
chr7	39609601	39609800	*	8.52E-41	3.22E-40	0.114175	chr7_3960	sig	hyper
chr7	39609801	39610000	*	1.15E-35	3.96E-35	0.113084	chr7_3960	sig	hyper
chr7	39855001	39855200	*	3.49E-40	1.30E-39	0.14909	chr7_3985	sig	hyper
chr7	41700001	41700200	*	2.82E-96	2.12E-95	0.168753	chr7_4170	sig	hyper
chr7	41706001	41706200	*	9.59E-32	3.09E-31	-0.11426	chr7_4170	sig	hypo
chr7	41965201	41965400	*	1.53E-49	6.60E-49	-0.1397	chr7_4196	sig	hypo
chr7	42227601	42227800	*	1.28E-87	8.74E-87	0.16059	chr7_4222	sig	hyper
chr7	42227801	42228000	*	2.79E-44	1.11E-43	0.133805	chr7_4222	sig	hyper
chr7	42228001	42228200	*	3.94E-129	4.24E-128	0.160062	chr7_4222	sig	hyper
chr7	42238401	42238600	*	6.39E-54	2.92E-53	0.156405	chr7_4223	sig	hyper
chr7	42493601	42493800	*	2.66E-225	7.34E-224	0.191514	chr7_4249	sig	hyper
chr7	43112601	43112800	*	1.04E-196	2.17E-195	0.238811	chr7_4311	sig	hyper
chr7	43113801	43114000	*	2.71E-146	3.49E-145	0.193891	chr7_4311	sig	hyper
chr7	43114201	43114400	*	3.59E-28	1.07E-27	0.153365	chr7_4311	sig	hyper
chr7	44063601	44063800	*	4.30E-25	1.19E-24	-0.1113	chr7_4406	sig	hypo
chr7	44104801	44105000	*	9.55E-67	5.14E-66	0.10936	chr7_4410	sig	hyper
chr7	44112601	44112800	*	1.24E-92	8.96E-92	-0.16162	chr7_4411	sig	hypo
chr7	44112801	44113000	*	2.81E-32	9.15E-32	-0.15924	chr7_4411	sig	hypo
chr7	44217401	44217600	*	1.68E-52	7.52E-52	-0.16021	chr7_4421	sig	hypo
chr7	44309601	44309800	*	7.89E-94	5.76E-93	0.151556	chr7_4430	sig	hyper
chr7	44761801	44762000	*	5.86E-26	1.66E-25	-0.11693	chr7_4476	sig	hypo
chr7	45080401	45080600	*	8.69E-23	2.27E-22	-0.10811	chr7_4508	sig	hypo
chr7	45575001	45575200	*	1.26E-185	2.35E-184	0.156745	chr7_4557	sig	hyper
chr7	45575801	45576000	*	9.69E-116	9.05E-115	0.170176	chr7_4557	sig	hyper

chr7	45921601	45921800	*	0.00E+00	0.00E+00	0.297344	chr7_4592	sig	hyper
chr7	45921801	45922000	*	7.15E-230	2.08E-228	0.23167	chr7_4592	sig	hyper
chr7	45922201	45922400	*	2.76E-204	6.28E-203	0.18332	chr7_4592	sig	hyper
chr7	45922401	45922600	*	4.79E-66	2.56E-65	0.162531	chr7_4592	sig	hyper
chr7	47315201	47315400	*	1.04E-25	2.92E-25	0.115028	chr7_4731	sig	hyper
chr7	48848001	48848200	*	5.84E-48	2.46E-47	0.16485	chr7_4884	sig	hyper
chr7	49773401	49773600	*	9.73E-172	1.62E-170	0.126138	chr7_4977	sig	hyper
chr7	49775001	49775200	*	5.95E-192	1.19E-190	0.208745	chr7_4977	sig	hyper
chr7	49776001	49776200	*	9.39E-212	2.27E-210	0.20326	chr7_4977	sig	hyper
chr7	50093001	50093200	*	1.63E-80	1.04E-79	0.112556	chr7_5009	sig	hyper
chr7	50093401	50093600	*	1.75E-110	1.53E-109	-0.1852	chr7_5009	sig	hypo
chr7	50303601	50303800	*	8.22E-304	4.72E-302	0.218449	chr7_5030	sig	hyper
chr7	50304601	50304800	*	3.37E-221	8.88E-220	0.129838	chr7_5030	sig	hyper
chr7	50304801	50305000	*	3.70E-286	1.77E-284	0.142723	chr7_5030	sig	hyper
chr7	50305001	50305200	*	2.06E-91	1.47E-90	0.164685	chr7_5030	sig	hyper
chr7	50308801	50309000	*	4.41E-62	2.23E-61	-0.20181	chr7_5030	sig	hypo
chr7	50450601	50450800	*	3.73E-232	1.11E-230	0.194178	chr7_5045	sig	hyper
chr7	50450801	50451000	*	5.03E-141	6.12E-140	0.185143	chr7_5045	sig	hyper
chr7	50781401	50781600	*	2.00E-69	1.11E-68	-0.14912	chr7_5078	sig	hypo
chr7	50794001	50794200	*	2.52E-36	8.82E-36	-0.11189	chr7_5079	sig	hypo
chr7	54541801	54542000	*	3.50E-122	3.51E-121	0.231791	chr7_5454	sig	hyper
chr7	54542201	54542400	*	0	0	0.325187	chr7_5454	sig	hyper
chr7	54542401	54542600	*	0	0	0.285048	chr7_5454	sig	hyper
chr7	54542601	54542800	*	7.07E-134	8.03E-133	0.303427	chr7_5454	sig	hyper
chr7	54544601	54544800	*	0	0	0.365099	chr7_5454	sig	hyper
chr7	55006001	55006200	*	1.09E-30	3.45E-30	-0.1212	chr7_5500	sig	hypo
chr7	55078001	55078200	*	2.56E-08	4.05E-08	-0.1057	chr7_5507	sig	hypo
chr7	55078601	55078800	*	1.16E-25	3.25E-25	-0.12355	chr7_5507	sig	hypo
chr7	55079601	55079800	*	2.03E-15	4.31E-15	-0.11217	chr7_5507	sig	hypo
chr7	55449001	55449200	*	2.11E-90	1.49E-89	0.159386	chr7_5544	sig	hyper
chr7	55449401	55449600	*	2.22E-62	1.13E-61	0.172827	chr7_5544	sig	hyper
chr7	56115801	56116000	*	8.96E-36	3.10E-35	0.102863	chr7_5611	sig	hyper
chr7	56116201	56116400	*	1.40E-38	5.09E-38	0.128821	chr7_5611	sig	hyper
chr7	56229801	56230000	*	8.26E-173	1.38E-171	0.220534	chr7_5622	sig	hyper
chr7	56448001	56448200	*	2.97E-22	7.65E-22	0.114078	chr7_5644	sig	hyper
chr7	56448201	56448400	*	7.05E-36	2.45E-35	0.115386	chr7_5644	sig	hyper
chr7	57404801	57405000	*	1.49E-53	6.76E-53	0.114879	chr7_5740	sig	hyper
chr7	57868001	57868200	*	6.77E-108	5.78E-107	0.290396	chr7_5786	sig	hyper
chr7	63068201	63068400	*	1.14E-54	5.26E-54	0.120983	chr7_6306	sig	hyper
chr7	63100001	63100200	*	1.17E-34	3.99E-34	-0.17069	chr7_6310	sig	hypo
chr7	63790601	63790800	*	1.18E-113	1.07E-112	0.241744	chr7_6379	sig	hyper
chr7	63900601	63900800	*	1.39E-88	9.62E-88	0.172405	chr7_6390	sig	hyper
chr7	63901001	63901200	*	1.50E-41	5.74E-41	0.160184	chr7_6390	sig	hyper
chr7	63901201	63901400	*	3.16E-73	1.83E-72	0.199926	chr7_6390	sig	hyper
chr7	63926201	63926400	*	1.16E-49	5.00E-49	0.118416	chr7_6392	sig	hyper
chr7	63926601	63926800	*	1.34E-61	6.73E-61	0.170491	chr7_6392	sig	hyper
chr7	64037201	64037400	*	2.78E-27	8.13E-27	0.124977	chr7_6403	sig	hyper
chr7	64045801	64046000	*	1.97E-106	1.66E-105	0.228309	chr7_6404	sig	hyper
chr7	64495201	64495400	*	6.53E-160	9.56E-159	0.279588	chr7_6449	sig	hyper
chr7	64877401	64877600	*	2.22E-228	6.37E-227	0.337371	chr7_6487	sig	hyper
chr7	65269201	65269400	*	1.18E-106	9.95E-106	0.148542	chr7_6526	sig	hyper
chr7	65269401	65269600	*	7.82E-88	5.36E-87	0.197063	chr7_6526	sig	hyper
chr7	65771201	65771400	*	1.08E-26	3.11E-26	-0.18627	chr7_6577	sig	hypo
chr7	69599801	69600000	*	5.00E-177	8.66E-176	0.260885	chr7_6959	sig	hyper
chr7	70631201	70631400	*	1.15E-21	2.92E-21	0.100352	chr7_7063	sig	hyper
chr7	71133201	71133400	*	8.81E-147	1.14E-145	0.291738	chr7_7113	sig	hyper

chr7	72969601	72969800	*	1.59E-34	5.39E-34	0.159733	chr7_7296	sig	hyper
chr7	72970601	72970800	*	3.83E-55	1.79E-54	-0.17942	chr7_7297	sig	hypo
chr7	73424201	73424400	*	7.32E-95	5.42E-94	0.146272	chr7_7342	sig	hyper
chr7	73424401	73424600	*	6.67E-100	5.23E-99	0.184264	chr7_7342	sig	hyper
chr7	73704201	73704400	*	2.74E-63	1.41E-62	-0.18569	chr7_7370	sig	hypo
chr7	74028001	74028200	*	3.89E-14	7.92E-14	-0.12069	chr7_7402	sig	hypo
chr7	74043401	74043600	*	3.60E-48	1.52E-47	-0.17153	chr7_7404	sig	hypo
chr7	74059801	74060000	*	1.62E-22	4.20E-22	-0.10923	chr7_7405	sig	hypo
chr7	74094201	74094400	*	1.03E-30	3.25E-30	-0.10081	chr7_7409	sig	hypo
chr7	74094401	74094600	*	1.14E-58	5.56E-58	0.185181	chr7_7409	sig	hyper
chr7	74178801	74179000	*	2.34E-10	4.09E-10	0.108855	chr7_7417	sig	hyper
chr7	75966601	75966800	*	8.10E-38	2.90E-37	0.105032	chr7_7596	sig	hyper
chr7	76150401	76150600	*	1.14E-74	6.74E-74	0.154565	chr7_7615	sig	hyper
chr7	76259801	76260000	*	3.85E-87	2.61E-86	0.136563	chr7_7625	sig	hyper
chr7	76285601	76285800	*	1.20E-64	6.32E-64	-0.18568	chr7_7628	sig	hypo
chr7	79453001	79453200	*	2.93E-108	2.51E-107	0.141486	chr7_7945	sig	hyper
chr7	79454201	79454400	*	2.81E-146	3.61E-145	0.182621	chr7_7945	sig	hyper
chr7	79454401	79454600	*	1.29E-163	1.96E-162	0.278315	chr7_7945	sig	hyper
chr7	79454601	79454800	*	2.04E-83	1.34E-82	0.21094	chr7_7945	sig	hyper
chr7	82442601	82442800	*	1.02E-64	5.36E-64	0.178839	chr7_8244	sig	hyper
chr7	82442801	82443000	*	7.00E-159	1.02E-157	0.117515	chr7_8244	sig	hyper
chr7	85185801	85186000	*	0.00E+00	0.00E+00	0.258884	chr7_8518	sig	hyper
chr7	85186201	85186400	*	1.41E-127	1.49E-126	0.286421	chr7_8518	sig	hyper
chr7	86441401	86441600	*	1.44E-13	2.87E-13	-0.11385	chr7_8644	sig	hypo
chr7	86643801	86644000	*	6.40E-63	3.28E-62	0.172461	chr7_8664	sig	hyper
chr7	87599401	87599600	*	4.79E-135	5.52E-134	-0.19929	chr7_8759	sig	hypo
chr7	87935201	87935400	*	3.36E-16	7.32E-16	0.175301	chr7_8793	sig	hyper
chr7	88758801	88759000	*	1.24E-67	6.76E-67	0.189883	chr7_8875	sig	hyper
chr7	88760001	88760200	*	4.77E-48	2.01E-47	0.137632	chr7_8876	sig	hyper
chr7	90118801	90119000	*	1.65E-181	2.96E-180	0.203242	chr7_9011	sig	hyper
chr7	90119601	90119800	*	6.59E-104	5.40E-103	0.138391	chr7_9011	sig	hyper
chr7	91267201	91267400	*	2.07E-111	1.83E-110	0.143467	chr7_9126	sig	hyper
chr7	92608601	92608800	*	2.17E-234	6.60E-233	-0.33168	chr7_9260	sig	hypo
chr7	92608801	92609000	*	7.50E-295	3.90E-293	-0.2686	chr7_9260	sig	hypo
chr7	93575801	93576000	*	6.87E-92	4.92E-91	0.145095	chr7_9357	sig	hyper
chr7	93890201	93890400	*	0	0	0.347735	chr7_9389	sig	hyper
chr7	94012001	94012200	*	3.42E-22	8.81E-22	-0.11977	chr7_9401	sig	hypo
chr7	94394801	94395000	*	1.10E-112	9.87E-112	0.193647	chr7_9439	sig	hyper
chr7	95396801	95397000	*	2.79E-35	9.59E-35	-0.10747	chr7_9539	sig	hypo
chr7	95773401	95773600	*	1.41E-26	4.07E-26	0.199226	chr7_9577	sig	hyper
chr7	96992801	96993000	*	7.75E-112	6.90E-111	0.312308	chr7_9699	sig	hyper
chr7	96993201	96993400	*	5.27E-90	3.70E-89	0.205542	chr7_9699	sig	hyper
chr7	96997801	96998000	*	1.42E-108	1.22E-107	0.227044	chr7_9699	sig	hyper
chr7	96998201	96998400	*	2.46E-73	1.43E-72	0.155548	chr7_9699	sig	hyper
chr7	97002401	97002600	*	6.86E-265	2.74E-263	0.260428	chr7_9700	sig	hyper
chr7	97007201	97007400	*	0	0	0.27568	chr7_9700	sig	hyper
chr7	97007401	97007600	*	1.27E-297	6.81E-296	0.291088	chr7_9700	sig	hyper
chr7	97013401	97013600	*	1.17E-156	1.66E-155	0.219907	chr7_9701	sig	hyper
chr7	97017601	97017800	*	2.51E-29	7.67E-29	0.166629	chr7_9701	sig	hyper
chr7	97018001	97018200	*	9.32E-280	4.18E-278	0.252134	chr7_9701	sig	hyper
chr7	97018401	97018600	*	1.12E-265	4.50E-264	0.353816	chr7_9701	sig	hyper
chr7	97020801	97021000	*	8.17E-216	2.05E-214	0.273826	chr7_9702	sig	hyper
chr7	97021801	97022000	*	9.44E-187	1.79E-185	0.306224	chr7_9702	sig	hyper
chr7	97022201	97022400	*	0	0	0.346206	chr7_9702	sig	hyper
chr7	97022601	97022800	*	5.03E-142	6.18E-141	0.22117	chr7_9702	sig	hyper
chr7	97022801	97023000	*	2.75E-257	1.04E-255	0.197578	chr7_9702	sig	hyper

chr7	97024201	97024400	*	1.22E-96	9.24E-96	0.154338	chr7_9702	sig	hyper
chr7	97024401	97024600	*	3.36E-171	5.56E-170	0.161551	chr7_9702	sig	hyper
chr7	97026201	97026400	*	7.13E-39	2.60E-38	0.116782	chr7_9702	sig	hyper
chr7	97731801	97732000	*	4.52E-199	9.61E-198	0.204292	chr7_9773	sig	hyper
chr7	97732001	97732200	*	7.41E-89	5.14E-88	0.120377	chr7_9773	sig	hyper
chr7	97951201	97951400	*	7.18E-38	2.57E-37	-0.17622	chr7_9795	sig	hypo
chr7	98212001	98212200	*	1.02E-51	4.53E-51	-0.17707	chr7_9821	sig	hypo
chr7	98616401	98616600	*	1.62E-30	5.08E-30	0.121359	chr7_9861	sig	hyper
chr7	98826801	98827000	*	2.65E-14	5.43E-14	-0.11612	chr7_9882	sig	hypo
chr7	98869201	98869400	*	1.33E-30	4.18E-30	0.130615	chr7_9886	sig	hyper
chr7	98870401	98870600	*	3.72E-65	1.97E-64	0.197634	chr7_9887	sig	hyper
chr7	99374001	99374200	*	1.82E-22	4.72E-22	-0.11881	chr7_9937	sig	hypo
chr7	99580001	99580200	*	6.92E-22	1.77E-21	0.101732	chr7_9958	sig	hyper
chr7	99598201	99598400	*	9.39E-11	1.67E-10	0.101631	chr7_9959	sig	hyper
chr7	100122201	100122400	*	6.85E-64	3.55E-63	-0.23633	chr7_1001	sig	hypo
chr7	100177801	100178000	*	3.11E-226	8.64E-225	0.178481	chr7_1001	sig	hyper
chr7	100381801	100382000	*	2.01E-23	5.36E-23	0.146142	chr7_1003	sig	hyper
chr7	100721001	100721200	*	2.53E-56	1.19E-55	0.110637	chr7_1007	sig	hyper
chr7	100865601	100865800	*	0	0	-0.41449	chr7_1008	sig	hypo
chr7	100865801	100866000	*	5.61E-71	3.18E-70	-0.23402	chr7_1008	sig	hypo
chr7	100866401	100866600	*	4.24E-38	1.53E-37	-0.12824	chr7_1008	sig	hypo
chr7	100868001	100868200	*	2.94E-19	7.01E-19	-0.10898	chr7_1008	sig	hypo
chr7	100868201	100868400	*	2.79E-27	8.14E-27	-0.15119	chr7_1008	sig	hypo
chr7	100874601	100874800	*	8.04E-76	4.83E-75	0.156211	chr7_1008	sig	hyper
chr7	101094601	101094800	*	9.23E-36	3.20E-35	-0.20452	chr7_1010	sig	hypo
chr7	101100401	101100600	*	2.02E-71	1.15E-70	-0.1737	chr7_1011	sig	hypo
chr7	101269801	101270000	*	9.30E-63	4.75E-62	-0.10766	chr7_1012	sig	hypo
chr7	101299601	101299800	*	2.45E-78	1.51E-77	0.201179	chr7_1012	sig	hyper
chr7	101299801	101300000	*	3.88E-145	4.94E-144	0.288586	chr7_1012	sig	hyper
chr7	101362601	101362800	*	3.76E-182	6.78E-181	0.224889	chr7_1013	sig	hyper
chr7	101374001	101374200	*	3.19E-12	6.03E-12	-0.10442	chr7_1013	sig	hypo
chr7	102119201	102119400	*	6.29E-276	2.74E-274	-0.32281	chr7_1021	sig	hypo
chr7	102321601	102321800	*	3.80E-19	9.05E-19	-0.11408	chr7_1023	sig	hypo
chr7	103152801	103153000	*	2.91E-71	1.66E-70	-0.20879	chr7_1031	sig	hypo
chr7	103989001	103989200	*	0	0	0.243061	chr7_1039	sig	hyper
chr7	103989401	103989600	*	1.92E-108	1.65E-107	0.109722	chr7_1039	sig	hyper
chr7	103990401	103990600	*	2.90E-124	2.98E-123	0.203613	chr7_1039	sig	hyper
chr7	103990601	103990800	*	4.33E-37	1.53E-36	0.122482	chr7_1039	sig	hyper
chr7	107843201	107843400	*	1.43E-110	1.26E-109	-0.31634	chr7_1078	sig	hypo
chr7	107843401	107843600	*	2.60E-78	1.60E-77	-0.26074	chr7_1078	sig	hypo
chr7	117320601	117320800	*	4.72E-71	2.68E-70	-0.12863	chr7_1173	sig	hypo
chr7	117322801	117323000	*	3.77E-195	7.76E-194	0.312261	chr7_1173	sig	hyper
chr7	117323401	117323600	*	1.10E-69	6.15E-69	0.158398	chr7_1173	sig	hyper
chr7	118214601	118214800	*	7.25E-234	2.19E-232	0.208486	chr7_1182	sig	hyper
chr7	120272401	120272600	*	3.79E-70	2.13E-69	0.177633	chr7_1202	sig	hyper
chr7	120989601	120989800	*	1.24E-22	3.23E-22	0.12213	chr7_1209	sig	hyper
chr7	121328801	121329000	*	8.06E-49	3.44E-48	0.154718	chr7_1213	sig	hyper
chr7	121873401	121873600	*	1.32E-79	8.28E-79	0.10376	chr7_1218	sig	hyper
chr7	121873601	121873800	*	5.54E-36	1.93E-35	0.137323	chr7_1218	sig	hyper
chr7	122300201	122300400	*	8.04E-164	1.22E-162	0.210567	chr7_1223	sig	hyper
chr7	122306801	122307000	*	1.19E-74	7.04E-74	0.155718	chr7_1223	sig	hyper
chr7	122307001	122307200	*	1.91E-77	1.17E-76	0.21339	chr7_1223	sig	hyper
chr7	122310801	122311000	*	1.57E-50	6.85E-50	0.109659	chr7_1223	sig	hyper
chr7	122316401	122316600	*	1.83E-41	6.99E-41	0.13037	chr7_1223	sig	hyper
chr7	122316601	122316800	*	3.74E-105	3.11E-104	0.121181	chr7_1223	sig	hyper
chr7	124764201	124764400	*	1.34E-235	4.11E-234	0.235694	chr7_1247	sig	hyper

chr7	127651201	127651400	*	2.20E-30	6.87E-30	0.171995	chr7_1276	sig	hyper
chr7	128032001	128032200	*	2.12E-206	4.92E-205	0.137848	chr7_1280	sig	hyper
chr7	128032201	128032400	*	1.48E-154	2.06E-153	0.103732	chr7_1280	sig	hyper
chr7	128104401	128104600	*	8.80E-175	1.50E-173	0.13624	chr7_1281	sig	hyper
chr7	128168401	128168600	*	8.92E-68	4.88E-67	0.170956	chr7_1281	sig	hyper
chr7	128201401	128201600	*	6.40E-125	6.60E-124	0.29175	chr7_1282	sig	hyper
chr7	128201601	128201800	*	7.61E-133	8.53E-132	0.185715	chr7_1282	sig	hyper
chr7	128241201	128241400	*	3.36E-42	1.30E-41	0.142314	chr7_1282	sig	hyper
chr7	128270801	128271000	*	8.86E-80	5.58E-79	0.134216	chr7_1282	sig	hyper
chr7	128511801	128512000	*	1.60E-125	1.65E-124	-0.26325	chr7_1285	sig	hypo
chr7	128697601	128697800	*	2.75E-67	1.49E-66	0.225588	chr7_1286	sig	hyper
chr7	128841201	128841400	*	1.79E-63	9.23E-63	-0.17269	chr7_1288	sig	hypo
chr7	128915601	128915800	*	1.12E-83	7.39E-83	0.230659	chr7_1289	sig	hyper
chr7	129144001	129144200	*	7.27E-11	1.30E-10	0.120398	chr7_1291	sig	hyper
chr7	130272801	130273000	*	3.64E-15	7.65E-15	0.11525	chr7_1302	sig	hyper
chr7	130380001	130380200	*	7.69E-24	2.07E-23	-0.11207	chr7_1303	sig	hypo
chr7	130490801	130491000	*	1.46E-120	1.43E-119	0.223653	chr7_1304	sig	hyper
chr7	130491001	130491200	*	1.47E-162	2.21E-161	0.210363	chr7_1304	sig	hyper
chr7	130491401	130491600	*	1.46E-132	1.64E-131	0.216252	chr7_1304	sig	hyper
chr7	130492201	130492400	*	1.36E-76	8.25E-76	0.1916	chr7_1304	sig	hyper
chr7	130492401	130492600	*	1.46E-123	1.48E-122	0.121024	chr7_1304	sig	hyper
chr7	130493201	130493400	*	1.07E-22	2.80E-22	0.101196	chr7_1304	sig	hyper
chr7	134459001	134459200	*	6.99E-166	1.09E-164	0.102862	chr7_1344	sig	hyper
chr7	135171801	135172000	*	8.36E-40	3.11E-39	0.110161	chr7_1351	sig	hyper
chr7	136868801	136869000	*	3.45E-239	1.10E-237	0.307447	chr7_1368	sig	hyper
chr7	136869001	136869200	*	3.31E-294	1.72E-292	0.38535	chr7_1368	sig	hyper
chr7	136871401	136871600	*	1.59E-156	2.26E-155	0.241745	chr7_1368	sig	hyper
chr7	137846401	137846600	*	3.23E-75	1.93E-74	0.118135	chr7_1378	sig	hyper
chr7	138664001	138664200	*	8.30E-32	2.67E-31	0.116441	chr7_1386	sig	hyper
chr7	138798001	138798200	*	2.06E-60	1.02E-59	0.191859	chr7_1387	sig	hyper
chr7	139036201	139036400	*	3.37E-57	1.61E-56	-0.1051	chr7_1390	sig	hypo
chr7	139523201	139523400	*	2.87E-17	6.46E-17	0.104969	chr7_1395	sig	hyper
chr7	140527401	140527600	*	2.52E-98	1.94E-97	-0.22152	chr7_1405	sig	hypo
chr7	141073001	141073200	*	2.94E-55	1.37E-54	0.146273	chr7_1410	sig	hyper
chr7	141073601	141073800	*	2.99E-51	1.32E-50	0.11694	chr7_1410	sig	hyper
chr7	142783001	142783200	*	5.27E-71	2.99E-70	0.116622	chr7_1427	sig	hyper
chr7	142796401	142796600	*	1.52E-72	8.76E-72	0.196051	chr7_1427	sig	hyper
chr7	142796601	142796800	*	4.86E-221	1.28E-219	0.309348	chr7_1427	sig	hyper
chr7	142797201	142797400	*	0	0	0.253761	chr7_1427	sig	hyper
chr7	142864201	142864400	*	1.64E-99	1.28E-98	-0.26078	chr7_1428	sig	hypo
chr7	143885401	143885600	*	7.74E-200	1.66E-198	0.294235	chr7_1438	sig	hyper
chr7	146115601	146115800	*	1.53E-122	1.54E-121	0.340331	chr7_1461	sig	hyper
chr7	146116401	146116600	*	7.41E-143	9.19E-142	0.143037	chr7_1461	sig	hyper
chr7	146117001	146117200	*	8.97E-125	9.23E-124	0.204742	chr7_1461	sig	hyper
chr7	149206001	149206200	*	7.35E-66	3.92E-65	-0.12698	chr7_1492	sig	hypo
chr7	149415201	149415400	*	0	0	0.248234	chr7_1494	sig	hyper
chr7	149462201	149462400	*	7.86E-91	5.57E-90	-0.22588	chr7_1494	sig	hypo
chr7	149501801	149502000	*	1.93E-41	7.38E-41	-0.12991	chr7_1495	sig	hypo
chr7	149692401	149692600	*	8.81E-59	4.30E-58	0.196202	chr7_1496	sig	hyper
chr7	149715201	149715400	*	4.23E-146	5.43E-145	0.265872	chr7_1497	sig	hyper
chr7	149765601	149765800	*	7.49E-88	5.13E-87	0.137984	chr7_1497	sig	hyper
chr7	149883801	149884000	*	1.85E-72	1.07E-71	-0.21587	chr7_1498	sig	hypo
chr7	150047201	150047400	*	8.04E-93	5.82E-92	0.266257	chr7_1500	sig	hyper
chr7	150047401	150047600	*	5.69E-120	5.55E-119	0.27273	chr7_1500	sig	hyper
chr7	150047801	150048000	*	8.47E-125	8.73E-124	0.1498	chr7_1500	sig	hyper
chr7	150048001	150048200	*	6.81E-65	3.58E-64	0.131999	chr7_1500	sig	hyper

chr7	150048801	150049000	*	3.17E-82	2.05E-81	0.175522	chr7_1500	sig	hyper
chr7	150049401	150049600	*	3.64E-21	9.12E-21	0.107296	chr7_1500	sig	hyper
chr7	150220201	150220400	*	2.63E-160	3.86E-159	0.369286	chr7_1502	sig	hyper
chr7	150221001	150221200	*	1.22E-229	3.54E-228	0.181403	chr7_1502	sig	hyper
chr7	150329801	150330000	*	7.02E-53	3.16E-52	0.17656	chr7_1503	sig	hyper
chr7	150341401	150341600	*	6.60E-232	1.96E-230	0.2654	chr7_1503	sig	hyper
chr7	150389001	150389200	*	9.32E-86	6.25E-85	0.220274	chr7_1503	sig	hyper
chr7	151013201	151013400	*	2.04E-88	1.40E-87	0.160593	chr7_1510	sig	hyper
chr7	151014001	151014200	*	1.00E-201	2.21E-200	0.231279	chr7_1510	sig	hyper
chr7	151207801	151208000	*	2.45E-23	6.51E-23	-0.10573	chr7_1512	sig	hypo
chr7	151242401	151242600	*	2.30E-41	8.77E-41	-0.15027	chr7_1512	sig	hypo
chr7	151380201	151380400	*	3.33E-114	3.06E-113	-0.21617	chr7_1513	sig	hypo
chr7	151390601	151390800	*	3.40E-69	1.89E-68	-0.1628	chr7_1513	sig	hypo
chr7	151392601	151392800	*	1.26E-125	1.31E-124	-0.27042	chr7_1513	sig	hypo
chr7	151395001	151395200	*	1.46E-45	5.93E-45	-0.12213	chr7_1513	sig	hypo
chr7	151395201	151395400	*	2.76E-76	1.67E-75	-0.20418	chr7_1513	sig	hypo
chr7	151396001	151396200	*	6.71E-93	4.86E-92	-0.17545	chr7_1513	sig	hypo
chr7	151403801	151404000	*	7.63E-213	1.86E-211	-0.32965	chr7_1514	sig	hypo
chr7	151410601	151410800	*	9.30E-40	3.45E-39	0.130905	chr7_1514	sig	hyper
chr7	151410801	151411000	*	3.97E-89	2.76E-88	0.233425	chr7_1514	sig	hyper
chr7	151448001	151448200	*	6.33E-24	1.71E-23	0.126789	chr7_1514	sig	hyper
chr7	151448201	151448400	*	5.39E-23	1.42E-22	0.13258	chr7_1514	sig	hyper
chr7	151736201	151736400	*	2.02E-52	9.02E-52	0.112464	chr7_1517	sig	hyper
chr7	151745201	151745400	*	3.44E-105	2.86E-104	-0.12344	chr7_1517	sig	hypo
chr7	151796601	151796800	*	1.24E-45	5.06E-45	-0.17623	chr7_1517	sig	hypo
chr7	152896401	152896600	*	6.50E-39	2.37E-38	-0.14186	chr7_1528	sig	hypo
chr7	152924801	152925000	*	1.73E-68	9.56E-68	0.184958	chr7_1529	sig	hyper
chr7	153749001	153749200	*	4.77E-114	4.37E-113	0.254861	chr7_1537	sig	hyper
chr7	153886401	153886600	*	1.83E-114	1.68E-113	0.297562	chr7_1538	sig	hyper
chr7	153887201	153887400	*	8.44E-139	1.01E-137	0.283898	chr7_1538	sig	hyper
chr7	154053201	154053400	*	3.15E-199	6.71E-198	0.305798	chr7_1540	sig	hyper
chr7	154794001	154794200	*	4.92E-24	1.33E-23	0.12914	chr7_1547	sig	hyper
chr7	154794601	154794800	*	2.44E-11	4.46E-11	0.126039	chr7_1547	sig	hyper
chr7	154913401	154913600	*	8.38E-20	2.03E-19	-0.13865	chr7_1549	sig	hypo
chr7	155071001	155071200	*	8.05E-74	4.71E-73	0.123689	chr7_1550	sig	hyper
chr7	155071201	155071400	*	2.03E-147	2.64E-146	0.130921	chr7_1550	sig	hyper
chr7	155166801	155167000	*	2.65E-19	6.33E-19	-0.12015	chr7_1551	sig	hypo
chr7	155205601	155205800	*	4.10E-84	2.71E-83	-0.17179	chr7_1552	sig	hypo
chr7	155372201	155372400	*	4.11E-190	8.10E-189	0.169741	chr7_1553	sig	hyper
chr7	155372601	155372800	*	1.16E-176	2.00E-175	0.250565	chr7_1553	sig	hyper
chr7	155372801	155373000	*	2.29E-151	3.10E-150	0.223274	chr7_1553	sig	hyper
chr7	155373401	155373600	*	5.07E-308	3.03E-306	0.201341	chr7_1553	sig	hyper
chr7	155373801	155374000	*	4.08E-126	4.25E-125	0.136837	chr7_1553	sig	hyper
chr7	155374601	155374800	*	4.32E-190	8.52E-189	0.147623	chr7_1553	sig	hyper
chr7	155374801	155375000	*	2.03E-96	1.53E-95	0.128268	chr7_1553	sig	hyper
chr7	155400401	155400600	*	4.72E-33	1.56E-32	-0.11623	chr7_1554	sig	hypo
chr7	155451201	155451400	*	2.14E-73	1.24E-72	0.12174	chr7_1554	sig	hyper
chr7	155451401	155451600	*	5.57E-166	8.71E-165	0.178469	chr7_1554	sig	hyper
chr7	155454401	155454600	*	1.64E-141	2.01E-140	0.167166	chr7_1554	sig	hyper
chr7	155459201	155459400	*	1.01E-98	7.85E-98	0.218116	chr7_1554	sig	hyper
chr7	155462401	155462600	*	5.79E-281	2.64E-279	0.209801	chr7_1554	sig	hyper
chr7	155462601	155462800	*	9.88E-65	5.20E-64	0.180987	chr7_1554	sig	hyper
chr7	155465401	155465600	*	2.50E-90	1.76E-89	0.223603	chr7_1554	sig	hyper
chr7	155465601	155465800	*	3.32E-188	6.41E-187	0.199888	chr7_1554	sig	hyper
chr7	155466001	155466200	*	1.12E-101	8.97E-101	0.174227	chr7_1554	sig	hyper
chr7	155466201	155466400	*	1.39E-92	1.00E-91	0.136614	chr7_1554	sig	hyper

chr7	155467601	155467800	*	8.48E-304	4.86E-302	0.278932	chr7_1554	sig	hyper
chr7	155468201	155468400	*	5.23E-51	2.30E-50	0.110288	chr7_1554	sig	hyper
chr7	155484001	155484200	*	1.81E-43	7.15E-43	-0.13013	chr7_1554	sig	hypo
chr7	155484201	155484400	*	1.44E-30	4.53E-30	-0.12511	chr7_1554	sig	hypo
chr7	155494601	155494800	*	1.06E-53	4.82E-53	-0.11097	chr7_1554	sig	hypo
chr7	155509001	155509200	*	1.31E-60	6.54E-60	0.135875	chr7_1555	sig	hyper
chr7	155509201	155509400	*	6.60E-71	3.74E-70	0.131492	chr7_1555	sig	hyper
chr7	155532801	155533000	*	1.11E-79	6.97E-79	0.14576	chr7_1555	sig	hyper
chr7	155533001	155533200	*	5.40E-96	4.04E-95	0.109467	chr7_1555	sig	hyper
chr7	155787001	155787200	*	4.89E-82	3.15E-81	0.16326	chr7_1557	sig	hyper
chr7	155799401	155799600	*	1.19E-98	9.23E-98	-0.22519	chr7_1557	sig	hypo
chr7	155799601	155799800	*	5.13E-54	2.35E-53	-0.10894	chr7_1557	sig	hypo
chr7	155803601	155803800	*	6.57E-195	1.35E-193	0.298374	chr7_1558	sig	hyper
chr7	155806201	155806400	*	4.02E-67	2.17E-66	0.127339	chr7_1558	sig	hyper
chr7	155922401	155922600	*	1.49E-155	2.09E-154	-0.27737	chr7_1559	sig	hypo
chr7	156122601	156122800	*	4.72E-47	1.96E-46	-0.11845	chr7_1561	sig	hypo
chr7	156151201	156151400	*	1.96E-27	5.75E-27	-0.18962	chr7_1561	sig	hypo
chr7	156607601	156607800	*	2.83E-13	5.58E-13	0.115903	chr7_1566	sig	hyper
chr7	156607801	156608000	*	1.82E-20	4.48E-20	0.110357	chr7_1566	sig	hyper
chr7	156940601	156940800	*	5.02E-36	1.75E-35	-0.11719	chr7_1569	sig	hypo
chr7	156942801	156943000	*	6.32E-11	1.13E-10	0.119964	chr7_1569	sig	hyper
chr7	157002601	157002800	*	1.72E-15	3.66E-15	0.105985	chr7_1570	sig	hyper
chr7	157003001	157003200	*	2.56E-158	3.70E-157	0.322014	chr7_1570	sig	hyper
chr7	157004201	157004400	*	0	0	0.243353	chr7_1570	sig	hyper
chr7	157004401	157004600	*	3.97E-96	2.98E-95	0.130034	chr7_1570	sig	hyper
chr7	157004601	157004800	*	5.93E-81	3.78E-80	0.123941	chr7_1570	sig	hyper
chr7	157005401	157005600	*	9.58E-33	3.15E-32	0.127452	chr7_1570	sig	hyper
chr7	157005801	157006000	*	1.35E-49	5.83E-49	0.163051	chr7_1570	sig	hyper
chr7	157020201	157020400	*	2.40E-282	1.11E-280	0.214536	chr7_1570	sig	hyper
chr7	157022201	157022400	*	5.61E-43	2.20E-42	0.148637	chr7_1570	sig	hyper
chr7	157044001	157044200	*	4.95E-36	1.72E-35	-0.15566	chr7_1570	sig	hypo
chr7	157045001	157045200	*	1.43E-56	6.78E-56	-0.16222	chr7_1570	sig	hypo
chr7	157078401	157078600	*	4.35E-124	4.45E-123	0.164544	chr7_1570	sig	hyper
chr7	157124801	157125000	*	7.48E-138	8.82E-137	-0.27992	chr7_1571	sig	hypo
chr7	157125001	157125200	*	2.23E-100	1.76E-99	-0.2091	chr7_1571	sig	hypo
chr7	157297201	157297400	*	1.86E-149	2.47E-148	-0.31086	chr7_1572	sig	hypo
chr7	157298801	157299000	*	6.47E-129	6.96E-128	-0.13269	chr7_1572	sig	hypo
chr7	157392601	157392800	*	3.95E-82	2.55E-81	-0.19203	chr7_1573	sig	hypo
chr7	157425801	157426000	*	6.79E-63	3.48E-62	-0.22202	chr7_1574	sig	hypo
chr7	157462401	157462600	*	4.01E-60	1.99E-59	-0.12234	chr7_1574	sig	hypo
chr7	157498401	157498600	*	1.11E-19	2.67E-19	-0.1018	chr7_1574	sig	hypo
chr7	157499201	157499400	*	5.57E-97	4.22E-96	-0.11293	chr7_1574	sig	hypo
chr7	157521401	157521600	*	2.80E-28	8.33E-28	-0.10707	chr7_1575	sig	hypo
chr7	157522001	157522200	*	1.89E-76	1.15E-75	-0.1712	chr7_1575	sig	hypo
chr7	157522401	157522600	*	3.00E-49	1.29E-48	-0.10268	chr7_1575	sig	hypo
chr7	157526601	157526800	*	3.44E-30	1.07E-29	-0.12453	chr7_1575	sig	hypo
chr7	157553801	157554000	*	2.59E-210	6.20E-209	-0.35315	chr7_1575	sig	hypo
chr7	157555401	157555600	*	5.71E-52	2.54E-51	-0.11152	chr7_1575	sig	hypo
chr7	157588201	157588400	*	1.49E-123	1.52E-122	-0.29998	chr7_1575	sig	hypo
chr7	157588401	157588600	*	4.93E-110	4.30E-109	-0.2321	chr7_1575	sig	hypo
chr7	157613201	157613400	*	1.44E-11	2.65E-11	0.114837	chr7_1576	sig	hyper
chr7	157668601	157668800	*	2.51E-188	4.86E-187	0.207934	chr7_1576	sig	hyper
chr7	157675601	157675800	*	1.01E-85	6.77E-85	-0.12628	chr7_1576	sig	hypo
chr7	157683801	157684000	*	1.72E-91	1.22E-90	0.177278	chr7_1576	sig	hyper
chr7	157684201	157684400	*	0	0	0.377801	chr7_1576	sig	hyper
chr7	157713801	157714000	*	2.73E-60	1.35E-59	-0.15833	chr7_1577	sig	hypo

chr7	157768801	157769000	*	1.64E-150	2.21E-149	-0.25754	chr7_1577	sig	hypo
chr7	157769001	157769200	*	5.27E-137	6.16E-136	-0.15921	chr7_1577	sig	hypo
chr7	157769201	157769400	*	2.69E-62	1.37E-61	-0.18043	chr7_1577	sig	hypo
chr7	157775401	157775600	*	1.90E-76	1.15E-75	-0.12611	chr7_1577	sig	hypo
chr7	157793001	157793200	*	3.41E-45	1.38E-44	-0.13671	chr7_1577	sig	hypo
chr7	157796001	157796200	*	1.77E-110	1.56E-109	-0.23551	chr7_1577	sig	hypo
chr7	157818401	157818600	*	4.48E-26	1.27E-25	-0.12518	chr7_1578	sig	hypo
chr7	157851401	157851600	*	3.42E-123	3.46E-122	-0.24518	chr7_1578	sig	hypo
chr7	157871401	157871600	*	1.28E-35	4.42E-35	-0.10687	chr7_1578	sig	hypo
chr7	157962001	157962200	*	4.19E-33	1.38E-32	0.136953	chr7_1579	sig	hyper
chr7	158016201	158016400	*	3.34E-68	1.83E-67	-0.22347	chr7_1580	sig	hypo
chr7	158077201	158077400	*	6.74E-19	1.59E-18	-0.10593	chr7_1580	sig	hypo
chr7	158097601	158097800	*	1.53E-26	4.41E-26	-0.10346	chr7_1580	sig	hypo
chr7	158238001	158238200	*	3.76E-213	9.18E-212	-0.3123	chr7_1582	sig	hypo
chr7	158253201	158253400	*	5.16E-68	2.83E-67	-0.19674	chr7_1582	sig	hypo
chr7	158253401	158253600	*	8.99E-124	9.15E-123	-0.21118	chr7_1582	sig	hypo
chr7	158267001	158267200	*	2.43E-58	1.18E-57	-0.11393	chr7_1582	sig	hypo
chr7	158267201	158267400	*	1.55E-29	4.74E-29	-0.10057	chr7_1582	sig	hypo
chr7	158450601	158450800	*	2.26E-25	6.34E-25	-0.11573	chr7_1584	sig	hypo
chr7	158450801	158451000	*	1.30E-194	2.66E-193	-0.20643	chr7_1584	sig	hypo
chr7	158473401	158473600	*	7.90E-47	3.28E-46	0.106995	chr7_1584	sig	hyper
chr7	158741001	158741200	*	1.50E-176	2.60E-175	-0.20139	chr7_1587	sig	hypo
chr7	158957401	158957600	*	3.08E-21	7.73E-21	-0.10226	chr7_1589	sig	hypo
chr7	158958801	158959000	*	2.27E-19	5.43E-19	-0.10975	chr7_1589	sig	hypo
chr7	158959801	158960000	*	6.70E-32	2.16E-31	-0.10434	chr7_1589	sig	hypo
chr7	158974201	158974400	*	1.24E-112	1.11E-111	-0.18438	chr7_1589	sig	hypo
chr7	158974401	158974600	*	1.74E-44	6.96E-44	-0.18268	chr7_1589	sig	hypo
chr7	158979001	158979200	*	7.65E-150	1.02E-148	-0.21495	chr7_1589	sig	hypo
chr7	158992801	158993000	*	5.27E-119	5.10E-118	0.185046	chr7_1589	sig	hyper
chr7	158995401	158995600	*	1.95E-203	4.37E-202	-0.24898	chr7_1589	sig	hypo
chr7	159007001	159007200	*	2.59E-67	1.40E-66	-0.16052	chr7_1590	sig	hypo
chr7	159026801	159027000	*	1.07E-52	4.79E-52	-0.12217	chr7_1590	sig	hypo
chr7	159027001	159027200	*	4.21E-53	1.90E-52	-0.16312	chr7_1590	sig	hypo
chr7	159027601	159027800	*	5.73E-82	3.69E-81	-0.18135	chr7_1590	sig	hypo
chr7	159061801	159062000	*	1.66E-134	1.90E-133	0.18305	chr7_1590	sig	hyper
chr7	159065801	159066000	*	1.20E-52	5.39E-52	-0.15168	chr7_1590	sig	hypo
chr7	159093401	159093600	*	8.94E-115	8.26E-114	-0.21545	chr7_1590	sig	hypo
chr7	159094601	159094800	*	8.05E-81	5.13E-80	-0.13034	chr7_1590	sig	hypo
chr7	159112201	159112400	*	1.84E-48	7.81E-48	0.120409	chr7_1591	sig	hyper
chr7	159112601	159112800	*	1.98E-185	3.70E-184	0.26222	chr7_1591	sig	hyper
chr7	159143801	159144000	*	7.28E-209	1.72E-207	0.267603	chr7_1591	sig	hyper
chr7	159144001	159144200	*	0	0	0.328423	chr7_1591	sig	hyper
chr7	159144401	159144600	*	1.25E-115	1.16E-114	0.192081	chr7_1591	sig	hyper
chr7	159157001	159157200	*	4.53E-28	1.34E-27	-0.12948	chr7_1591	sig	hypo
chr8	544001	544200	*	4.52E-164	6.89E-163	0.218778	chr8_5440	sig	hyper
chr8	694401	694600	*	7.57E-65	3.98E-64	-0.17491	chr8_6944	sig	hypo
chr8	694601	694800	*	6.47E-23	1.70E-22	-0.10245	chr8_6946	sig	hypo
chr8	739801	740000	*	1.83E-170	2.99E-169	0.192434	chr8_7398	sig	hyper
chr8	750201	750400	*	3.96E-81	2.53E-80	-0.1163	chr8_7502	sig	hypo
chr8	837001	837200	*	1.29E-49	5.56E-49	-0.14247	chr8_8370	sig	hypo
chr8	1029401	1029600	*	1.08E-57	5.19E-57	-0.16949	chr8_1029	sig	hypo
chr8	1163601	1163800	*	6.25E-111	5.52E-110	0.229179	chr8_1163	sig	hyper
chr8	1294001	1294200	*	7.82E-47	3.24E-46	-0.17855	chr8_1294	sig	hypo
chr8	1333401	1333600	*	2.68E-69	1.49E-68	-0.15284	chr8_1333	sig	hypo
chr8	1432801	1433000	*	5.34E-47	2.22E-46	-0.10617	chr8_1432	sig	hypo
chr8	1463601	1463800	*	7.67E-53	3.45E-52	-0.11639	chr8_1463	sig	hypo

chr8	1637001	1637200	*	7.46E-35	2.54E-34	-0.11487	chr8_1637	sig	hypo
chr8	1668201	1668400	*	4.66E-15	9.76E-15	-0.1029	chr8_1668	sig	hypo
chr8	1668601	1668800	*	2.08E-46	8.56E-46	-0.11007	chr8_1668	sig	hypo
chr8	1676601	1676800	*	2.93E-30	9.15E-30	-0.1024	chr8_1676	sig	hypo
chr8	1755801	1756000	*	2.99E-29	9.11E-29	-0.14496	chr8_1755	sig	hypo
chr8	1816601	1816800	*	4.10E-45	1.65E-44	-0.14861	chr8_1816	sig	hypo
chr8	1832201	1832400	*	4.87E-34	1.64E-33	-0.11984	chr8_1832	sig	hypo
chr8	1837601	1837800	*	2.88E-68	1.58E-67	-0.16168	chr8_1837	sig	hypo
chr8	1859401	1859600	*	1.67E-18	3.92E-18	-0.10219	chr8_1859	sig	hypo
chr8	1931401	1931600	*	1.79E-297	9.58E-296	-0.26371	chr8_1931	sig	hypo
chr8	2008801	2009000	*	2.38E-18	5.54E-18	-0.1005	chr8_2008	sig	hypo
chr8	2034601	2034800	*	4.89E-134	5.56E-133	-0.32787	chr8_2034	sig	hypo
chr8	2034801	2035000	*	1.61E-91	1.15E-90	-0.22389	chr8_2034	sig	hypo
chr8	2035001	2035200	*	1.93E-124	1.98E-123	-0.22418	chr8_2035	sig	hypo
chr8	2090001	2090200	*	9.86E-55	4.56E-54	-0.11218	chr8_2090	sig	hypo
chr8	2145201	2145400	*	2.36E-52	1.06E-51	-0.1303	chr8_2145	sig	hypo
chr8	2561801	2562000	*	5.41E-99	4.19E-98	0.154006	chr8_2561	sig	hyper
chr8	2733601	2733800	*	1.33E-41	5.09E-41	0.109549	chr8_2733	sig	hyper
chr8	4994801	4995000	*	1.47E-157	2.11E-156	0.267221	chr8_4994	sig	hyper
chr8	8722801	8723000	*	1.13E-29	3.48E-29	-0.11365	chr8_8722	sig	hypo
chr8	8891201	8891400	*	1.30E-167	2.05E-166	0.221335	chr8_8891	sig	hyper
chr8	9324601	9324800	*	1.04E-43	4.11E-43	-0.12801	chr8_9324	sig	hypo
chr8	9898201	9898400	*	6.79E-80	4.28E-79	0.213668	chr8_9898	sig	hyper
chr8	9905201	9905400	*	3.83E-179	6.72E-178	0.225141	chr8_9905	sig	hyper
chr8	10425601	10425800	*	4.75E-96	3.56E-95	-0.14184	chr8_1042	sig	hypo
chr8	10729201	10729400	*	7.49E-132	8.30E-131	0.195737	chr8_1072	sig	hyper
chr8	10729401	10729600	*	1.43E-95	1.07E-94	0.1666	chr8_1072	sig	hyper
chr8	10733001	10733200	*	2.28E-153	3.13E-152	0.108672	chr8_1073	sig	hyper
chr8	11283801	11284000	*	2.83E-54	1.30E-53	0.158686	chr8_1128	sig	hyper
chr8	11346401	11346600	*	2.17E-80	1.37E-79	0.123192	chr8_1134	sig	hyper
chr8	11347001	11347200	*	2.13E-114	1.95E-113	0.236084	chr8_1134	sig	hyper
chr8	11347201	11347400	*	1.20E-158	1.75E-157	0.306182	chr8_1134	sig	hyper
chr8	11614201	11614400	*	1.66E-33	5.52E-33	-0.12033	chr8_1161	sig	hypo
chr8	11679201	11679400	*	1.89E-85	1.26E-84	0.131008	chr8_1167	sig	hyper
chr8	11679401	11679600	*	9.57E-94	6.99E-93	0.162103	chr8_1167	sig	hyper
chr8	11700601	11700800	*	1.13E-217	2.87E-216	0.205255	chr8_1170	sig	hyper
chr8	11703001	11703200	*	1.21E-221	3.21E-220	0.184421	chr8_1170	sig	hyper
chr8	11703201	11703400	*	4.02E-142	4.95E-141	0.100628	chr8_1170	sig	hyper
chr8	11703801	11704000	*	2.29E-237	7.18E-236	0.232283	chr8_1170	sig	hyper
chr8	11709601	11709800	*	5.30E-93	3.84E-92	0.262768	chr8_1170	sig	hyper
chr8	11720201	11720400	*	6.08E-20	1.48E-19	0.132392	chr8_1172	sig	hyper
chr8	11721201	11721400	*	8.71E-23	2.28E-22	0.104914	chr8_1172	sig	hyper
chr8	11759201	11759400	*	2.81E-21	7.05E-21	-0.12292	chr8_1175	sig	hypo
chr8	11982201	11982400	*	9.09E-149	1.20E-147	-0.27729	chr8_1198	sig	hypo
chr8	13566401	13566600	*	7.44E-109	6.41E-108	0.249337	chr8_1356	sig	hyper
chr8	13566801	13567000	*	2.15E-144	2.71E-143	0.162306	chr8_1356	sig	hyper
chr8	17026601	17026800	*	1.45E-233	4.37E-232	0.389398	chr8_1702	sig	hyper
chr8	19602401	19602600	*	1.04E-40	3.90E-40	0.199523	chr8_1960	sig	hyper
chr8	19602601	19602800	*	4.24E-21	1.06E-20	0.137363	chr8_1960	sig	hyper
chr8	20249801	20250000	*	9.31E-55	4.31E-54	-0.13693	chr8_2024	sig	hypo
chr8	20250001	20250200	*	1.07E-68	5.91E-68	-0.13111	chr8_2025	sig	hypo
chr8	20253201	20253400	*	1.97E-25	5.51E-25	-0.11702	chr8_2025	sig	hypo
chr8	21787601	21787800	*	6.81E-133	7.64E-132	0.110056	chr8_2178	sig	hyper
chr8	21788601	21788800	*	7.41E-90	5.19E-89	0.168123	chr8_2178	sig	hyper
chr8	21909601	21909800	*	3.13E-61	1.57E-60	-0.15095	chr8_2190	sig	hypo
chr8	22086601	22086800	*	4.92E-63	2.52E-62	0.164907	chr8_2208	sig	hyper

chr8	22148001	22148200	*	1.01E-182	1.83E-181	-0.27807	chr8_2214	sig	hypo
chr8	22231801	22232000	*	4.92E-125	5.08E-124	0.17629	chr8_2223	sig	hyper
chr8	22690001	22690200	*	1.53E-195	3.17E-194	0.252328	chr8_2269	sig	hyper
chr8	23071001	23071200	*	9.08E-16	1.95E-15	0.111874	chr8_2307	sig	hyper
chr8	23404401	23404600	*	2.37E-17	5.35E-17	0.117348	chr8_2340	sig	hyper
chr8	23573401	23573600	*	6.70E-23	1.76E-22	-0.10923	chr8_2357	sig	hypo
chr8	23683201	23683400	*	1.73E-54	8.00E-54	0.160549	chr8_2368	sig	hyper
chr8	23702401	23702600	*	2.92E-200	6.32E-199	0.260697	chr8_2370	sig	hyper
chr8	23702801	23703000	*	1.85E-194	3.79E-193	0.160089	chr8_2370	sig	hyper
chr8	23705601	23705800	*	4.09E-204	9.25E-203	0.233016	chr8_2370	sig	hyper
chr8	23706401	23706600	*	0	0	0.288286	chr8_2370	sig	hyper
chr8	23707001	23707200	*	0	0	0.284202	chr8_2370	sig	hyper
chr8	23710001	23710200	*	0	0	0.240557	chr8_2371	sig	hyper
chr8	23714201	23714400	*	3.82E-47	1.59E-46	0.206387	chr8_2371	sig	hyper
chr8	24914601	24914800	*	0	0	0.284892	chr8_2491	sig	hyper
chr8	24914801	24915000	*	0	0	0.295807	chr8_2491	sig	hyper
chr8	24915601	24915800	*	9.17E-292	4.71E-290	0.225166	chr8_2491	sig	hyper
chr8	24943201	24943400	*	1.38E-44	5.51E-44	-0.1595	chr8_2494	sig	hypo
chr8	24957601	24957800	*	1.33E-83	8.71E-83	0.138753	chr8_2495	sig	hyper
chr8	25001401	25001600	*	1.91E-194	3.89E-193	0.230709	chr8_2500	sig	hyper
chr8	26010401	26010600	*	6.46E-122	6.44E-121	0.235932	chr8_2601	sig	hyper
chr8	26039801	26040000	*	2.39E-46	9.85E-46	0.120342	chr8_2603	sig	hyper
chr8	26040801	26041000	*	1.04E-98	8.05E-98	0.185942	chr8_2604	sig	hyper
chr8	26043801	26044000	*	1.96E-68	1.08E-67	0.148896	chr8_2604	sig	hyper
chr8	26048001	26048200	*	3.23E-141	3.94E-140	0.307072	chr8_2604	sig	hyper
chr8	26048201	26048400	*	1.24E-185	2.32E-184	0.298258	chr8_2604	sig	hyper
chr8	26048401	26048600	*	5.83E-130	6.34E-129	0.257793	chr8_2604	sig	hyper
chr8	26049201	26049400	*	2.47E-93	1.80E-92	0.202654	chr8_2604	sig	hyper
chr8	26049401	26049600	*	2.20E-58	1.07E-57	0.190325	chr8_2604	sig	hyper
chr8	26051601	26051800	*	1.16E-261	4.52E-260	0.235854	chr8_2605	sig	hyper
chr8	26051801	26052000	*	4.76E-201	1.04E-199	0.277439	chr8_2605	sig	hyper
chr8	26052001	26052200	*	1.05E-62	5.36E-62	0.17061	chr8_2605	sig	hyper
chr8	26190801	26191000	*	1.58E-61	7.95E-61	-0.18832	chr8_2619	sig	hypo
chr8	26864201	26864400	*	1.20E-82	7.79E-82	0.192512	chr8_2686	sig	hyper
chr8	26865201	26865400	*	8.00E-171	1.32E-169	0.307762	chr8_2686	sig	hyper
chr8	29315401	29315600	*	3.72E-111	3.29E-110	-0.19156	chr8_2931	sig	hypo
chr8	29336801	29337000	*	4.99E-60	2.47E-59	0.133973	chr8_2933	sig	hyper
chr8	29529601	29529800	*	1.76E-20	4.33E-20	0.117318	chr8_2952	sig	hyper
chr8	31639001	31639200	*	2.46E-47	1.03E-46	0.191853	chr8_3163	sig	hyper
chr8	32548201	32548400	*	4.18E-163	6.32E-162	0.161171	chr8_3254	sig	hyper
chr8	32549201	32549400	*	1.01E-186	1.92E-185	0.17764	chr8_3254	sig	hyper
chr8	32647201	32647400	*	3.06E-49	1.31E-48	0.211813	chr8_3264	sig	hyper
chr8	33599601	33599800	*	9.32E-49	3.98E-48	0.124807	chr8_3359	sig	hyper
chr8	37493401	37493600	*	6.60E-39	2.41E-38	0.108606	chr8_3749	sig	hyper
chr8	37800201	37800400	*	6.82E-22	1.74E-21	-0.12764	chr8_3780	sig	hypo
chr8	38150801	38151000	*	9.42E-36	3.26E-35	0.104311	chr8_3815	sig	hyper
chr8	38650401	38650600	*	7.83E-74	4.58E-73	0.117176	chr8_3865	sig	hyper
chr8	38651001	38651200	*	2.52E-32	8.23E-32	0.145495	chr8_3865	sig	hyper
chr8	38770401	38770600	*	2.11E-43	8.31E-43	0.180545	chr8_3877	sig	hyper
chr8	38787601	38787800	*	3.67E-18	8.51E-18	0.119003	chr8_3878	sig	hyper
chr8	38900001	38900200	*	2.87E-43	1.13E-42	0.113301	chr8_3890	sig	hyper
chr8	38974001	38974200	*	4.43E-34	1.49E-33	0.186042	chr8_3897	sig	hyper
chr8	38974201	38974400	*	2.08E-45	8.41E-45	0.203477	chr8_3897	sig	hyper
chr8	38974801	38975000	*	4.77E-109	4.13E-108	0.243442	chr8_3897	sig	hyper
chr8	39314401	39314600	*	1.92E-120	1.89E-119	0.197221	chr8_3931	sig	hyper
chr8	39978401	39978600	*	4.86E-29	1.47E-28	0.144644	chr8_3997	sig	hyper

chr8	41289401	41289600	*	2.66E-19	6.35E-19	-0.10549	chr8_4128	sig	hypo
chr8	41308601	41308800	*	3.13E-106	2.63E-105	0.262554	chr8_4130	sig	hyper
chr8	41309401	41309600	*	0	0	0.266548	chr8_4130	sig	hyper
chr8	41665801	41666000	*	3.40E-41	1.29E-40	-0.14351	chr8_4166	sig	hypo
chr8	41723201	41723400	*	8.34E-50	3.61E-49	-0.12239	chr8_4172	sig	hypo
chr8	41876001	41876200	*	4.12E-94	3.02E-93	0.139978	chr8_4187	sig	hyper
chr8	41897801	41898000	*	3.51E-28	1.04E-27	0.127442	chr8_4189	sig	hyper
chr8	42052801	42053000	*	3.77E-25	1.05E-24	-0.14071	chr8_4205	sig	hypo
chr8	42499001	42499200	*	4.67E-304	2.70E-302	0.26699	chr8_4249	sig	hyper
chr8	42499201	42499400	*	6.25E-204	1.41E-202	0.268059	chr8_4249	sig	hyper
chr8	43276201	43276400	*	8.15E-85	5.42E-84	0.140658	chr8_4327	sig	hyper
chr8	43277201	43277400	*	2.92E-99	2.27E-98	0.145893	chr8_4327	sig	hyper
chr8	47763001	47763200	*	1.37E-102	1.11E-101	0.191064	chr8_4776	sig	hyper
chr8	47763201	47763400	*	3.59E-64	1.87E-63	0.148875	chr8_4776	sig	hyper
chr8	47763401	47763600	*	2.02E-102	1.63E-101	0.163089	chr8_4776	sig	hyper
chr8	47998001	47998200	*	9.45E-46	3.85E-45	-0.20208	chr8_4799	sig	hypo
chr8	48735001	48735200	*	0	0	0.255717	chr8_4873	sig	hyper
chr8	48735401	48735600	*	8.97E-161	1.32E-159	0.216718	chr8_4873	sig	hyper
chr8	48735601	48735800	*	1.36E-80	8.65E-80	0.150198	chr8_4873	sig	hyper
chr8	48870401	48870600	*	3.96E-265	1.58E-263	0.379185	chr8_4887	sig	hyper
chr8	48923401	48923600	*	1.41E-204	3.21E-203	-0.21513	chr8_4892	sig	hypo
chr8	48923601	48923800	*	1.42E-82	9.21E-82	-0.17231	chr8_4892	sig	hypo
chr8	48976401	48976600	*	8.10E-73	4.69E-72	-0.12684	chr8_4897	sig	hypo
chr8	49909601	49909800	*	4.84E-128	5.15E-127	0.225809	chr8_4990	sig	hyper
chr8	49909801	49910000	*	2.77E-146	3.57E-145	0.2204	chr8_4990	sig	hyper
chr8	49910401	49910600	*	5.53E-231	1.63E-229	0.297754	chr8_4991	sig	hyper
chr8	49910601	49910800	*	9.08E-253	3.30E-251	0.226663	chr8_4991	sig	hyper
chr8	49910801	49911000	*	1.15E-184	2.12E-183	0.214011	chr8_4991	sig	hyper
chr8	49911601	49911800	*	0.00E+00	0.00E+00	0.265251	chr8_4991	sig	hyper
chr8	52414001	52414200	*	1.27E-28	3.82E-28	0.100255	chr8_5241	sig	hyper
chr8	52939601	52939800	*	5.79E-169	9.32E-168	0.32205	chr8_5293	sig	hyper
chr8	52939801	52940000	*	3.65E-176	6.28E-175	0.353084	chr8_5293	sig	hyper
chr8	52940001	52940200	*	0.00E+00	5.41E-308	0.320746	chr8_5294	sig	hyper
chr8	52941001	52941200	*	4.27E-263	1.68E-261	0.203667	chr8_5294	sig	hyper
chr8	53877001	53877200	*	0	0	0.378131	chr8_5387	sig	hyper
chr8	53877801	53878000	*	3.02E-66	1.62E-65	0.135268	chr8_5387	sig	hyper
chr8	54454201	54454400	*	1.46E-259	5.62E-258	0.263024	chr8_5445	sig	hyper
chr8	54455001	54455200	*	9.75E-171	1.60E-169	0.278108	chr8_5445	sig	hyper
chr8	54457601	54457800	*	6.75E-221	1.77E-219	0.314067	chr8_5445	sig	hyper
chr8	54457801	54458000	*	8.53E-154	1.18E-152	0.329586	chr8_5445	sig	hyper
chr8	54466401	54466600	*	2.15E-232	6.43E-231	0.334154	chr8_5446	sig	hyper
chr8	54466601	54466800	*	2.73E-262	1.07E-260	0.243321	chr8_5446	sig	hyper
chr8	54467601	54467800	*	4.02E-51	1.77E-50	0.192823	chr8_5446	sig	hyper
chr8	54470001	54470200	*	2.75E-96	2.07E-95	0.248105	chr8_5447	sig	hyper
chr8	55102401	55102600	*	2.11E-33	7.00E-33	0.113331	chr8_5510	sig	hyper
chr8	55939601	55939800	*	0.00E+00	4.63E-307	0.257456	chr8_5593	sig	hyper
chr8	56113601	56113800	*	1.50E-64	7.84E-64	0.212085	chr8_5611	sig	hyper
chr8	56113801	56114000	*	1.59E-59	7.81E-59	0.249895	chr8_5611	sig	hyper
chr8	56445401	56445600	*	2.77E-129	2.99E-128	0.222109	chr8_5644	sig	hyper
chr8	56445601	56445800	*	0	0	0.217989	chr8_5644	sig	hyper
chr8	56446001	56446200	*	1.09E-281	5.03E-280	0.366651	chr8_5644	sig	hyper
chr8	56446201	56446400	*	4.36E-96	3.27E-95	0.331306	chr8_5644	sig	hyper
chr8	56446401	56446600	*	3.41E-55	1.59E-54	0.283316	chr8_5644	sig	hyper
chr8	56447201	56447400	*	1.13E-106	9.52E-106	0.224654	chr8_5644	sig	hyper
chr8	57143201	57143400	*	1.87E-57	8.95E-57	0.223274	chr8_5714	sig	hyper
chr8	57143401	57143600	*	2.78E-89	1.94E-88	0.186775	chr8_5714	sig	hyper

chr8	57143601	57143800	*	1.49E-31	4.77E-31	0.143124	chr8_5714	sig	hyper
chr8	57205201	57205400	*	1.39E-78	8.60E-78	-0.20476	chr8_5720	sig	hypo
chr8	59120201	59120400	*	2.96E-32	9.63E-32	0.103866	chr8_5912	sig	hyper
chr8	60413201	60413400	*	2.77E-65	1.46E-64	-0.10449	chr8_6041	sig	hypo
chr8	60876401	60876600	*	4.89E-62	2.48E-61	-0.1733	chr8_6087	sig	hypo
chr8	61287801	61288000	*	3.98E-59	1.95E-58	0.136	chr8_6128	sig	hyper
chr8	64369601	64369800	*	3.75E-281	1.71E-279	0.308912	chr8_6436	sig	hyper
chr8	64370601	64370800	*	1.96E-168	3.13E-167	0.218692	chr8_6437	sig	hyper
chr8	64371001	64371200	*	9.61E-52	4.27E-51	0.200004	chr8_6437	sig	hyper
chr8	64371401	64371600	*	2.31E-131	2.54E-130	0.232499	chr8_6437	sig	hyper
chr8	64373601	64373800	*	4.50E-203	1.01E-201	0.326866	chr8_6437	sig	hyper
chr8	64374001	64374200	*	8.64E-77	5.25E-76	0.330141	chr8_6437	sig	hyper
chr8	64374401	64374600	*	2.98E-79	1.86E-78	0.182291	chr8_6437	sig	hyper
chr8	64376601	64376800	*	8.19E-112	7.29E-111	0.251203	chr8_6437	sig	hyper
chr8	64379401	64379600	*	2.24E-102	1.81E-101	0.242237	chr8_6437	sig	hyper
chr8	64379601	64379800	*	3.23E-131	3.55E-130	0.195596	chr8_6437	sig	hyper
chr8	64382001	64382200	*	2.96E-98	2.28E-97	0.193427	chr8_6438	sig	hyper
chr8	64575601	64575800	*	1.16E-254	4.28E-253	0.231744	chr8_6457	sig	hyper
chr8	64576001	64576200	*	2.84E-111	2.52E-110	0.215713	chr8_6457	sig	hyper
chr8	64576401	64576600	*	5.69E-61	2.84E-60	0.171259	chr8_6457	sig	hyper
chr8	64577001	64577200	*	6.95E-41	2.63E-40	0.1157	chr8_6457	sig	hyper
chr8	64577201	64577400	*	3.16E-115	2.93E-114	0.164995	chr8_6457	sig	hyper
chr8	64578001	64578200	*	8.56E-26	2.42E-25	0.111653	chr8_6457	sig	hyper
chr8	64578601	64578800	*	5.00E-215	1.23E-213	0.228146	chr8_6457	sig	hyper
chr8	64579601	64579800	*	1.31E-24	3.60E-24	0.117377	chr8_6457	sig	hyper
chr8	64586201	64586400	*	1.01E-185	1.88E-184	0.264798	chr8_6458	sig	hyper
chr8	64586401	64586600	*	5.16E-98	3.95E-97	0.155764	chr8_6458	sig	hyper
chr8	64587201	64587400	*	4.38E-286	2.09E-284	0.31006	chr8_6458	sig	hyper
chr8	64587401	64587600	*	6.17E-71	3.50E-70	0.14497	chr8_6458	sig	hyper
chr8	64798201	64798400	*	1.51E-79	9.49E-79	0.23541	chr8_6479	sig	hyper
chr8	64798601	64798800	*	3.14E-75	1.88E-74	0.186116	chr8_6479	sig	hyper
chr8	64799001	64799200	*	1.18E-41	4.51E-41	0.155569	chr8_6479	sig	hyper
chr8	66177401	66177600	*	1.08E-64	5.68E-64	0.106095	chr8_6617	sig	hyper
chr8	66177601	66177800	*	1.03E-95	7.68E-95	0.152586	chr8_6617	sig	hyper
chr8	66178001	66178200	*	1.85E-52	8.28E-52	0.160042	chr8_6617	sig	hyper
chr8	66432201	66432400	*	0	0	0.335681	chr8_6643	sig	hyper
chr8	66513001	66513200	*	4.26E-12	8.03E-12	-0.11724	chr8_6651	sig	hypo
chr8	66961001	66961200	*	9.05E-96	6.76E-95	0.188111	chr8_6696	sig	hyper
chr8	66961201	66961400	*	1.35E-132	1.50E-131	0.171203	chr8_6696	sig	hyper
chr8	66961801	66962000	*	7.54E-165	1.16E-163	0.327468	chr8_6696	sig	hyper
chr8	66962001	66962200	*	0	0	0.220801	chr8_6696	sig	hyper
chr8	66963001	66963200	*	1.81E-248	6.30E-247	0.265654	chr8_6696	sig	hyper
chr8	66963201	66963400	*	1.16E-268	4.80E-267	0.289787	chr8_6696	sig	hyper
chr8	67952201	67952400	*	8.54E-125	8.80E-124	0.200234	chr8_6795	sig	hyper
chr8	68330601	68330800	*	0	0	0.293218	chr8_6833	sig	hyper
chr8	68331201	68331400	*	1.85E-159	2.70E-158	0.329657	chr8_6833	sig	hyper
chr8	68331601	68331800	*	4.26E-112	3.81E-111	0.197689	chr8_6833	sig	hyper
chr8	70069801	70070000	*	1.33E-88	9.22E-88	0.190275	chr8_7006	sig	hyper
chr8	70070601	70070800	*	0.00E+00	0.00E+00	0.252583	chr8_7007	sig	hyper
chr8	70072001	70072200	*	1.46E-61	7.38E-61	0.187822	chr8_7007	sig	hyper
chr8	70072601	70072800	*	4.94E-81	3.15E-80	0.22572	chr8_7007	sig	hyper
chr8	71556201	71556400	*	1.37E-137	1.61E-136	0.186996	chr8_7155	sig	hyper
chr8	71558001	71558200	*	7.37E-152	1.00E-150	0.194427	chr8_7155	sig	hyper
chr8	71558201	71558400	*	1.59E-105	1.33E-104	0.21888	chr8_7155	sig	hyper
chr8	71558401	71558600	*	5.51E-205	1.26E-203	0.219739	chr8_7155	sig	hyper
chr8	71558601	71558800	*	2.27E-104	1.87E-103	0.243132	chr8_7155	sig	hyper

chr8	71558801	71559000	*	2.27E-204	5.17E-203	0.251485	chr8_7155	sig	hyper
chr8	71842601	71842800	*	0	0	0.379243	chr8_7184	sig	hyper
chr8	71842801	71843000	*	8.70E-252	3.13E-250	0.358913	chr8_7184	sig	hyper
chr8	71843401	71843600	*	2.94E-247	1.01E-245	0.263042	chr8_7184	sig	hyper
chr8	71844401	71844600	*	7.68E-188	1.47E-186	0.295546	chr8_7184	sig	hyper
chr8	71844601	71844800	*	7.32E-224	1.99E-222	0.294339	chr8_7184	sig	hyper
chr8	72251601	72251800	*	2.79E-156	3.95E-155	0.205896	chr8_7225	sig	hyper
chr8	73297201	73297400	*	2.17E-27	6.34E-27	-0.12133	chr8_7329	sig	hypo
chr8	74984801	74985000	*	3.19E-140	3.85E-139	0.201128	chr8_7498	sig	hyper
chr8	74985001	74985200	*	3.58E-100	2.81E-99	0.21353	chr8_7498	sig	hyper
chr8	75404801	75405000	*	6.44E-15	1.34E-14	-0.11837	chr8_7540	sig	hypo
chr8	75406201	75406400	*	3.97E-23	1.05E-22	-0.11952	chr8_7540	sig	hypo
chr8	76681001	76681200	*	1.12E-105	9.34E-105	0.185705	chr8_7668	sig	hyper
chr8	76683001	76683200	*	3.09E-268	1.27E-266	0.266602	chr8_7668	sig	hyper
chr8	76683801	76684000	*	2.10E-96	1.58E-95	0.188395	chr8_7668	sig	hyper
chr8	78516201	78516400	*	2.22E-70	1.25E-69	0.111673	chr8_7851	sig	hyper
chr8	78762201	78762400	*	1.17E-49	5.04E-49	0.191132	chr8_7876	sig	hyper
chr8	79611001	79611200	*	3.76E-129	4.05E-128	0.225299	chr8_7961	sig	hyper
chr8	84182401	84182600	*	1.31E-201	2.88E-200	0.272962	chr8_8418	sig	hyper
chr8	84182601	84182800	*	3.81E-266	1.54E-264	0.249765	chr8_8418	sig	hyper
chr8	84183401	84183600	*	4.25E-92	3.05E-91	0.380089	chr8_8418	sig	hyper
chr8	84183801	84184000	*	2.14E-84	1.42E-83	0.252899	chr8_8418	sig	hyper
chr8	84184801	84185000	*	1.24E-224	3.41E-223	0.287694	chr8_8418	sig	hyper
chr8	85438001	85438200	*	5.19E-125	5.36E-124	0.185301	chr8_8543	sig	hyper
chr8	85438201	85438400	*	2.16E-135	2.49E-134	0.244972	chr8_8543	sig	hyper
chr8	85438801	85439000	*	6.51E-30	2.02E-29	0.128869	chr8_8543	sig	hyper
chr8	88326801	88327000	*	2.26E-168	3.61E-167	0.232111	chr8_8832	sig	hyper
chr8	88328001	88328200	*	2.32E-111	2.06E-110	0.256279	chr8_8832	sig	hyper
chr8	88328201	88328400	*	3.56E-95	2.64E-94	0.189255	chr8_8832	sig	hyper
chr8	90791401	90791600	*	1.83E-68	1.01E-67	0.257504	chr8_9079	sig	hyper
chr8	90791801	90792000	*	1.70E-102	1.38E-101	0.165585	chr8_9079	sig	hyper
chr8	93701201	93701400	*	3.19E-22	8.21E-22	-0.12389	chr8_9370	sig	hypo
chr8	96153801	96154000	*	9.70E-25	2.68E-24	0.12248	chr8_9615	sig	hyper
chr8	96159001	96159200	*	3.40E-146	4.36E-145	0.315742	chr8_9615	sig	hyper
chr8	96159401	96159600	*	4.01E-141	4.88E-140	0.257192	chr8_9615	sig	hyper
chr8	96159601	96159800	*	0	0	0.295856	chr8_9615	sig	hyper
chr8	96160201	96160400	*	3.06E-97	2.33E-96	0.167863	chr8_9616	sig	hyper
chr8	96160601	96160800	*	6.93E-165	1.07E-163	0.211932	chr8_9616	sig	hyper
chr8	96161401	96161600	*	8.25E-182	1.48E-180	0.224319	chr8_9616	sig	hyper
chr8	96493401	96493600	*	1.67E-90	1.18E-89	0.142849	chr8_9649	sig	hyper
chr8	96493801	96494000	*	2.27E-145	2.89E-144	0.195301	chr8_9649	sig	hyper
chr8	96495201	96495400	*	5.41E-114	4.95E-113	0.187919	chr8_9649	sig	hyper
chr8	96495401	96495600	*	3.40E-117	3.22E-116	0.152239	chr8_9649	sig	hyper
chr8	97278001	97278200	*	1.52E-199	3.26E-198	0.247521	chr8_9727	sig	hyper
chr8	98939401	98939600	*	2.01E-33	6.67E-33	0.102094	chr8_9893	sig	hyper
chr8	98947201	98947400	*	1.46E-276	6.38E-275	0.257316	chr8_9894	sig	hyper
chr8	98949201	98949400	*	6.26E-214	1.54E-212	0.292206	chr8_9894	sig	hyper
chr8	98949401	98949600	*	1.29E-204	2.95E-203	0.291233	chr8_9894	sig	hyper
chr8	98949601	98949800	*	2.44E-165	3.78E-164	0.266651	chr8_9894	sig	hyper
chr8	100105601	100105800	*	1.21E-28	3.65E-28	0.138488	chr8_1001	sig	hyper
chr8	100105801	100106000	*	9.30E-54	4.24E-53	0.208599	chr8_1001	sig	hyper
chr8	100106201	100106400	*	1.94E-101	1.55E-100	0.301737	chr8_1001	sig	hyper
chr8	100336201	100336400	*	3.26E-26	9.29E-26	-0.11069	chr8_1003	sig	hypo
chr8	100860201	100860400	*	6.35E-88	4.35E-87	-0.23461	chr8_1008	sig	hypo
chr8	102123201	102123400	*	6.47E-18	1.49E-17	0.114398	chr8_1021	sig	hyper
chr8	103140401	103140600	*	4.40E-22	1.13E-21	0.163827	chr8_1031	sig	hyper

chr8	103500801	103501000	*	5.08E-87	3.44E-86	0.132156	chr8_1035	sig	hyper
chr8	104466401	104466600	*	1.02E-63	5.26E-63	0.234278	chr8_1044	sig	hyper
chr8	104467001	104467200	*	1.14E-102	9.26E-102	0.159566	chr8_1044	sig	hyper
chr8	106268801	106269000	*	6.25E-32	2.02E-31	-0.12776	chr8_1062	sig	hypo
chr8	106271801	106272000	*	4.48E-79	2.80E-78	0.203517	chr8_1062	sig	hyper
chr8	108082001	108082200	*	3.17E-30	9.88E-30	0.168862	chr8_1080	sig	hyper
chr8	108082201	108082400	*	1.56E-171	2.59E-170	0.213328	chr8_1080	sig	hyper
chr8	108083001	108083200	*	0	0	0.274395	chr8_1080	sig	hyper
chr8	108083601	108083800	*	2.43E-211	5.86E-210	0.248781	chr8_1080	sig	hyper
chr8	108131401	108131600	*	6.08E-23	1.60E-22	-0.12637	chr8_1081	sig	hypo
chr8	113432801	113433000	*	4.43E-121	4.38E-120	0.203309	chr8_1134	sig	hyper
chr8	115648401	115648600	*	0	0	0.276752	chr8_1156	sig	hyper
chr8	115667401	115667600	*	4.19E-226	1.16E-224	0.250288	chr8_1156	sig	hyper
chr8	118074401	118074600	*	6.55E-125	6.75E-124	0.157133	chr8_1180	sig	hyper
chr8	119672801	119673000	*	1.23E-99	9.59E-99	0.161666	chr8_1196	sig	hyper
chr8	120125201	120125400	*	5.55E-83	3.62E-82	0.129155	chr8_1201	sig	hyper
chr8	120125401	120125600	*	1.02E-49	4.39E-49	0.166698	chr8_1201	sig	hyper
chr8	123182801	123183000	*	1.50E-140	1.81E-139	-0.21609	chr8_1231	sig	hypo
chr8	127740601	127740800	*	1.34E-57	6.44E-57	-0.1543	chr8_1277	sig	hypo
chr8	130443001	130443200	*	2.76E-20	6.77E-20	0.119025	chr8_1304	sig	hyper
chr8	131041401	131041600	*	4.34E-224	1.18E-222	0.290981	chr8_1310	sig	hyper
chr8	131042401	131042600	*	2.31E-113	2.10E-112	0.282826	chr8_1310	sig	hyper
chr8	131903401	131903600	*	6.56E-65	3.46E-64	-0.20141	chr8_1319	sig	hypo
chr8	134478401	134478600	*	1.73E-160	2.54E-159	-0.22104	chr8_1344	sig	hypo
chr8	134478601	134478800	*	1.07E-87	7.34E-87	-0.16897	chr8_1344	sig	hypo
chr8	138496401	138496600	*	2.86E-83	1.87E-82	0.198676	chr8_1384	sig	hyper
chr8	139703401	139703600	*	1.23E-55	5.77E-55	0.132076	chr8_1397	sig	hyper
chr8	140098801	140099000	*	2.98E-67	1.61E-66	0.14961	chr8_1400	sig	hyper
chr8	140238401	140238600	*	2.28E-249	8.00E-248	-0.24106	chr8_1402	sig	hypo
chr8	140564001	140564200	*	2.59E-61	1.30E-60	-0.19355	chr8_1405	sig	hypo
chr8	140619401	140619600	*	2.70E-97	2.05E-96	-0.16227	chr8_1406	sig	hypo
chr8	140626401	140626600	*	8.86E-21	2.20E-20	-0.12162	chr8_1406	sig	hypo
chr8	141085001	141085200	*	2.74E-138	3.26E-137	-0.15569	chr8_1410	sig	hypo
chr8	141085201	141085400	*	6.64E-34	2.23E-33	-0.15767	chr8_1410	sig	hypo
chr8	141223201	141223400	*	1.10E-30	3.46E-30	-0.10828	chr8_1412	sig	hypo
chr8	141230801	141231000	*	1.09E-95	8.10E-95	-0.33955	chr8_1412	sig	hypo
chr8	141287401	141287600	*	6.61E-38	2.37E-37	-0.1042	chr8_1412	sig	hypo
chr8	141356601	141356800	*	1.40E-17	3.19E-17	-0.10337	chr8_1413	sig	hypo
chr8	141395001	141395200	*	9.74E-151	1.31E-149	-0.2376	chr8_1413	sig	hypo
chr8	141622401	141622600	*	7.18E-36	2.49E-35	-0.1583	chr8_1416	sig	hypo
chr8	141643801	141644000	*	1.08E-42	4.20E-42	-0.10685	chr8_1416	sig	hypo
chr8	141724001	141724200	*	1.94E-49	8.35E-49	0.126316	chr8_1417	sig	hyper
chr8	141760601	141760800	*	7.93E-80	4.99E-79	-0.14145	chr8_1417	sig	hypo
chr8	141903201	141903400	*	3.47E-58	1.68E-57	-0.12014	chr8_1419	sig	hypo
chr8	141945201	141945400	*	1.38E-18	3.24E-18	-0.10729	chr8_1419	sig	hypo
chr8	141974001	141974200	*	9.78E-138	1.15E-136	-0.15904	chr8_1419	sig	hypo
chr8	142153201	142153400	*	1.51E-99	1.18E-98	-0.14931	chr8_1421	sig	hypo
chr8	142173001	142173200	*	6.69E-189	1.31E-187	-0.21107	chr8_1421	sig	hypo
chr8	142174001	142174200	*	3.37E-39	1.24E-38	-0.11021	chr8_1421	sig	hypo
chr8	142180601	142180800	*	3.33E-92	2.39E-91	-0.19952	chr8_1421	sig	hypo
chr8	142335201	142335400	*	1.92E-42	7.46E-42	-0.15662	chr8_1423	sig	hypo
chr8	142454001	142454200	*	1.04E-51	4.59E-51	-0.14105	chr8_1424	sig	hypo
chr8	142454201	142454400	*	5.49E-85	3.66E-84	-0.13086	chr8_1424	sig	hypo
chr8	142454401	142454600	*	6.13E-70	3.44E-69	-0.13311	chr8_1424	sig	hypo
chr8	142464401	142464600	*	1.30E-280	5.89E-279	0.242653	chr8_1424	sig	hyper
chr8	142465401	142465600	*	1.44E-71	8.24E-71	-0.13474	chr8_1424	sig	hypo

chr8	142510201	142510400	*	1.38E-111	1.22E-110	0.202721	chr8_1425	sig	hyper
chr8	142510401	142510600	*	1.26E-174	2.15E-173	0.203261	chr8_1425	sig	hyper
chr8	142515201	142515400	*	4.17E-85	2.78E-84	-0.18662	chr8_1425	sig	hypo
chr8	142515401	142515600	*	2.86E-123	2.89E-122	-0.21789	chr8_1425	sig	hypo
chr8	142563601	142563800	*	2.99E-35	1.02E-34	-0.13568	chr8_1425	sig	hypo
chr8	142567201	142567400	*	2.82E-99	2.19E-98	-0.22914	chr8_1425	sig	hypo
chr8	142579001	142579200	*	7.23E-18	1.66E-17	-0.11106	chr8_1425	sig	hypo
chr8	142612801	142613000	*	1.95E-120	1.91E-119	-0.24762	chr8_1426	sig	hypo
chr8	142680001	142680200	*	8.43E-43	3.29E-42	-0.12343	chr8_1426	sig	hypo
chr8	142680201	142680400	*	6.27E-36	2.18E-35	-0.16284	chr8_1426	sig	hypo
chr8	142681801	142682000	*	2.70E-52	1.20E-51	-0.14289	chr8_1426	sig	hypo
chr8	142682001	142682200	*	8.06E-73	4.67E-72	-0.11702	chr8_1426	sig	hypo
chr8	142700201	142700400	*	1.20E-50	5.26E-50	0.132384	chr8_1427	sig	hyper
chr8	142777001	142777200	*	0	0	0.243856	chr8_1427	sig	hyper
chr8	142786601	142786800	*	1.37E-38	4.98E-38	-0.12857	chr8_1427	sig	hypo
chr8	142787401	142787600	*	8.45E-37	2.98E-36	-0.12243	chr8_1427	sig	hypo
chr8	142787801	142788000	*	3.82E-53	1.73E-52	-0.11619	chr8_1427	sig	hypo
chr8	142917601	142917800	*	9.51E-45	3.82E-44	-0.13636	chr8_1429	sig	hypo
chr8	143131401	143131600	*	3.92E-42	1.51E-41	-0.13569	chr8_1431	sig	hypo
chr8	143155001	143155200	*	6.56E-190	1.29E-188	-0.26335	chr8_1431	sig	hypo
chr8	143173401	143173600	*	5.13E-30	1.59E-29	-0.11352	chr8_1431	sig	hypo
chr8	143187001	143187200	*	2.28E-98	1.76E-97	-0.26756	chr8_1431	sig	hypo
chr8	143215001	143215200	*	2.08E-93	1.52E-92	-0.14933	chr8_1432	sig	hypo
chr8	143228801	143229000	*	8.28E-19	1.95E-18	-0.11285	chr8_1432	sig	hypo
chr8	143272801	143273000	*	8.37E-112	7.45E-111	-0.216	chr8_1432	sig	hypo
chr8	143278801	143279000	*	2.49E-109	2.16E-108	0.181635	chr8_1432	sig	hyper
chr8	143279001	143279200	*	5.45E-144	6.83E-143	0.176684	chr8_1432	sig	hyper
chr8	143282001	143282200	*	2.70E-13	5.34E-13	-0.1021	chr8_1432	sig	hypo
chr8	143283801	143284000	*	2.21E-58	1.07E-57	-0.16497	chr8_1432	sig	hypo
chr8	143285001	143285200	*	8.31E-57	3.95E-56	-0.10572	chr8_1432	sig	hypo
chr8	143285201	143285400	*	2.61E-67	1.42E-66	-0.18041	chr8_1432	sig	hypo
chr8	143286201	143286400	*	7.42E-19	1.75E-18	-0.10202	chr8_1432	sig	hypo
chr8	143379801	143380000	*	2.86E-50	1.25E-49	-0.11378	chr8_1433	sig	hypo
chr8	143417601	143417800	*	6.13E-79	3.82E-78	-0.24583	chr8_1434	sig	hypo
chr8	143547401	143547600	*	7.98E-35	2.72E-34	-0.11423	chr8_1435	sig	hypo
chr8	143569801	143570000	*	1.24E-42	4.81E-42	0.121163	chr8_1435	sig	hyper
chr8	143599201	143599400	*	3.82E-111	3.38E-110	0.216979	chr8_1435	sig	hyper
chr8	143718801	143719000	*	1.29E-45	5.25E-45	-0.11057	chr8_1437	sig	hypo
chr8	143732601	143732800	*	2.30E-30	7.20E-30	-0.12862	chr8_1437	sig	hypo
chr8	143738401	143738600	*	7.85E-40	2.92E-39	-0.15312	chr8_1437	sig	hypo
chr8	143772601	143772800	*	1.21E-21	3.06E-21	-0.1084	chr8_1437	sig	hypo
chr8	143977601	143977800	*	4.22E-23	1.11E-22	0.108149	chr8_1439	sig	hyper
chr8	144046801	144047000	*	9.64E-238	3.04E-236	-0.28985	chr8_1440	sig	hypo
chr8	144047001	144047200	*	2.71E-185	5.04E-184	-0.25778	chr8_1440	sig	hypo
chr8	144074201	144074400	*	4.68E-119	4.53E-118	-0.28669	chr8_1440	sig	hypo
chr8	144336001	144336200	*	3.53E-115	3.28E-114	0.171292	chr8_1443	sig	hyper
chr8	144336201	144336400	*	4.52E-55	2.10E-54	0.135557	chr8_1443	sig	hyper
chr8	144525001	144525200	*	6.39E-56	3.00E-55	-0.13717	chr8_1445	sig	hypo
chr8	144533001	144533200	*	8.17E-39	2.98E-38	-0.13407	chr8_1445	sig	hypo
chr8	144699801	144700000	*	3.85E-108	3.29E-107	0.19784	chr8_1446	sig	hyper
chr8	144713201	144713400	*	2.55E-130	2.78E-129	0.256943	chr8_1447	sig	hyper
chr8	144714001	144714200	*	1.78E-62	9.07E-62	0.169229	chr8_1447	sig	hyper
chr8	144904601	144904800	*	2.14E-24	5.85E-24	-0.11556	chr8_1449	sig	hypo
chr9	118001	118200	*	1.84E-83	1.20E-82	0.299431	chr9_1180	sig	hyper
chr9	841401	841600	*	2.16E-38	7.80E-38	0.127922	chr9_8414	sig	hyper
chr9	841601	841800	*	1.89E-39	6.99E-39	0.134787	chr9_8416	sig	hyper

chr9	969401	969600	*	4.61E-105	3.82E-104	0.150782	chr9_9694	sig	hyper
chr9	970201	970400	*	1.44E-101	1.15E-100	0.199354	chr9_9702	sig	hyper
chr9	970401	970600	*	0	0	0.257323	chr9_9704	sig	hyper
chr9	971401	971600	*	2.70E-263	1.07E-261	0.331834	chr9_9714	sig	hyper
chr9	971601	971800	*	2.92E-191	5.83E-190	0.28477	chr9_9716	sig	hyper
chr9	975001	975200	*	3.47E-51	1.53E-50	0.157777	chr9_9750	sig	hyper
chr9	975801	976000	*	1.60E-136	1.86E-135	0.282314	chr9_9758	sig	hyper
chr9	1042801	1043000	*	2.32E-26	6.65E-26	0.106575	chr9_1042	sig	hyper
chr9	1045601	1045800	*	0	0	0.245905	chr9_1045	sig	hyper
chr9	1051401	1051600	*	4.23E-83	2.76E-82	0.166681	chr9_1051	sig	hyper
chr9	1051601	1051800	*	1.13E-60	5.63E-60	0.123588	chr9_1051	sig	hyper
chr9	2621001	2621200	*	6.73E-17	1.50E-16	0.100509	chr9_2621	sig	hyper
chr9	3180801	3181000	*	4.85E-82	3.13E-81	0.183795	chr9_3180	sig	hyper
chr9	3181001	3181200	*	0	0	0.255744	chr9_3181	sig	hyper
chr9	5043201	5043400	*	9.94E-22	2.53E-21	-0.11057	chr9_5043	sig	hypo
chr9	5186001	5186200	*	1.41E-26	4.06E-26	-0.10048	chr9_5186	sig	hypo
chr9	6644601	6644800	*	1.01E-49	4.36E-49	0.175216	chr9_6644	sig	hyper
chr9	6716401	6716600	*	2.52E-45	1.02E-44	-0.12881	chr9_6716	sig	hypo
chr9	10613401	10613600	*	8.26E-91	5.85E-90	0.248207	chr9_1061	sig	hyper
chr9	14993401	14993600	*	9.09E-183	1.65E-181	0.282647	chr9_1499	sig	hyper
chr9	19128801	19129000	*	2.09E-35	7.19E-35	0.174154	chr9_1912	sig	hyper
chr9	19788201	19788400	*	1.05E-224	2.89E-223	0.275966	chr9_1978	sig	hyper
chr9	19789201	19789400	*	4.77E-294	2.47E-292	0.349469	chr9_1978	sig	hyper
chr9	23826401	23826600	*	4.89E-47	2.03E-46	0.115531	chr9_2382	sig	hyper
chr9	33524401	33524600	*	4.31E-121	4.26E-120	0.134581	chr9_3352	sig	hyper
chr9	34457201	34457400	*	7.88E-18	1.81E-17	0.136867	chr9_3445	sig	hyper
chr9	34457401	34457600	*	1.33E-92	9.56E-92	0.165627	chr9_3445	sig	hyper
chr9	34555001	34555200	*	1.67E-93	1.21E-92	-0.13444	chr9_3455	sig	hypo
chr9	34624001	34624200	*	1.67E-37	5.97E-37	0.159271	chr9_3462	sig	hyper
chr9	34809601	34809800	*	8.16E-228	2.33E-226	0.250157	chr9_3480	sig	hyper
chr9	35036201	35036400	*	9.08E-22	2.31E-21	0.112074	chr9_3503	sig	hyper
chr9	35972001	35972200	*	7.54E-56	3.54E-55	0.206081	chr9_3597	sig	hyper
chr9	37026601	37026800	*	0.00E+00	0.00E+00	0.356536	chr9_3702	sig	hyper
chr9	37027201	37027400	*	1.93E-124	1.98E-123	0.292137	chr9_3702	sig	hyper
chr9	37938601	37938800	*	5.57E-48	2.35E-47	0.133471	chr9_3793	sig	hyper
chr9	41124801	41125000	*	5.97E-24	1.61E-23	0.147513	chr9_4112	sig	hyper
chr9	62799201	62799400	*	2.64E-30	8.24E-30	0.179298	chr9_6279	sig	hyper
chr9	62799801	62800000	*	2.87E-87	1.95E-86	0.206219	chr9_6279	sig	hyper
chr9	62800001	62800200	*	1.91E-153	2.63E-152	0.197061	chr9_6280	sig	hyper
chr9	62800201	62800400	*	1.77E-135	2.04E-134	0.255439	chr9_6280	sig	hyper
chr9	62801801	62802000	*	1.84E-35	6.33E-35	0.1687	chr9_6280	sig	hyper
chr9	62802001	62802200	*	1.08E-30	3.41E-30	0.109715	chr9_6280	sig	hyper
chr9	62837401	62837600	*	1.23E-91	8.81E-91	0.107232	chr9_6283	sig	hyper
chr9	62838001	62838200	*	8.60E-69	4.76E-68	0.125376	chr9_6283	sig	hyper
chr9	63816801	63817000	*	3.24E-33	1.07E-32	0.131276	chr9_6381	sig	hyper
chr9	63818001	63818200	*	9.05E-36	3.13E-35	0.181215	chr9_6381	sig	hyper
chr9	63818401	63818600	*	8.23E-19	1.94E-18	0.165709	chr9_6381	sig	hyper
chr9	69174601	69174800	*	4.08E-67	2.21E-66	0.192401	chr9_6917	sig	hyper
chr9	74498001	74498200	*	1.20E-83	7.88E-83	0.179984	chr9_7449	sig	hyper
chr9	74501001	74501200	*	6.81E-44	2.71E-43	0.195284	chr9_7450	sig	hyper
chr9	77019801	77020000	*	1.89E-161	2.80E-160	0.230204	chr9_7701	sig	hyper
chr9	88535201	88535400	*	7.96E-34	2.66E-33	0.103907	chr9_8853	sig	hyper
chr9	88535601	88535800	*	4.24E-88	2.92E-87	0.121068	chr9_8853	sig	hyper
chr9	88990801	88991000	*	1.00E-45	4.07E-45	0.196422	chr9_8899	sig	hyper
chr9	88991001	88991200	*	2.03E-189	3.97E-188	0.300726	chr9_8899	sig	hyper
chr9	89484001	89484200	*	1.28E-12	2.46E-12	0.107979	chr9_8948	sig	hyper

chr9	91421001	91421200	*	4.84E-288	2.38E-286	0.231076	chr9_9142	sig	hyper
chr9	91886201	91886400	*	2.04E-23	5.44E-23	0.118799	chr9_9188	sig	hyper
chr9	92807201	92807400	*	1.42E-174	2.42E-173	0.220016	chr9_9280	sig	hyper
chr9	92809601	92809800	*	3.40E-83	2.22E-82	0.115268	chr9_9280	sig	hyper
chr9	93318001	93318200	*	5.30E-31	1.68E-30	0.139868	chr9_9331	sig	hyper
chr9	93346001	93346200	*	2.59E-61	1.30E-60	0.196322	chr9_9334	sig	hyper
chr9	93953401	93953600	*	2.77E-67	1.51E-66	0.130547	chr9_9395	sig	hyper
chr9	93953801	93954000	*	3.61E-106	3.03E-105	0.229349	chr9_9395	sig	hyper
chr9	93960801	93961000	*	1.12E-54	5.17E-54	0.206954	chr9_9396	sig	hyper
chr9	94332601	94332800	*	2.55E-66	1.37E-65	0.17769	chr9_9433	sig	hyper
chr9	94607401	94607600	*	1.16E-59	5.71E-59	-0.21453	chr9_9460	sig	hypo
chr9	95041601	95041800	*	9.15E-46	3.73E-45	-0.13789	chr9_9504	sig	hypo
chr9	95091601	95091800	*	1.95E-62	9.92E-62	-0.16429	chr9_9509	sig	hypo
chr9	96020601	96020800	*	1.21E-43	4.80E-43	0.150779	chr9_9602	sig	hyper
chr9	96027801	96028000	*	4.22E-62	2.14E-61	0.113308	chr9_9602	sig	hyper
chr9	96049001	96049200	*	7.54E-50	3.27E-49	-0.22391	chr9_9604	sig	hypo
chr9	96687201	96687400	*	3.44E-61	1.72E-60	0.200629	chr9_9668	sig	hyper
chr9	96877201	96877400	*	3.46E-17	7.77E-17	0.125491	chr9_9687	sig	hyper
chr9	97077201	97077400	*	5.43E-80	3.43E-79	0.266253	chr9_9707	sig	hyper
chr9	97077401	97077600	*	4.85E-72	2.79E-71	0.172649	chr9_9707	sig	hyper
chr9	97699601	97699800	*	5.88E-28	1.74E-27	0.133742	chr9_9769	sig	hyper
chr9	97852601	97852800	*	4.36E-201	9.53E-200	0.331045	chr9_9785	sig	hyper
chr9	97852801	97853000	*	8.56E-240	2.75E-238	0.287283	chr9_9785	sig	hyper
chr9	97855401	97855600	*	1.92E-199	4.09E-198	0.340017	chr9_9785	sig	hyper
chr9	97985401	97985600	*	2.39E-43	9.41E-43	-0.16003	chr9_9798	sig	hypo
chr9	98707001	98707200	*	4.83E-78	2.97E-77	0.125561	chr9_9870	sig	hyper
chr9	98707601	98707800	*	2.19E-136	2.55E-135	0.183459	chr9_9870	sig	hyper
chr9	98709601	98709800	*	2.29E-96	1.72E-95	0.213299	chr9_9870	sig	hyper
chr9	98944201	98944400	*	6.14E-198	1.29E-196	0.254489	chr9_9894	sig	hyper
chr9	101737401	101737600	*	9.77E-62	4.93E-61	0.207875	chr9_1017	sig	hyper
chr9	104928401	104928600	*	1.56E-53	7.11E-53	0.183865	chr9_1049	sig	hyper
chr9	109167401	109167600	*	4.00E-26	1.14E-25	0.13079	chr9_1091	sig	hyper
chr9	109640201	109640400	*	8.27E-152	1.12E-150	0.184427	chr9_1096	sig	hyper
chr9	110579001	110579200	*	9.07E-58	4.36E-57	0.140904	chr9_1105	sig	hyper
chr9	110579601	110579800	*	9.98E-41	3.76E-40	0.106426	chr9_1105	sig	hyper
chr9	113056801	113057000	*	1.35E-64	7.10E-64	0.105432	chr9_1130	sig	hyper
chr9	114050001	114050200	*	1.52E-69	8.49E-69	-0.1112	chr9_1140	sig	hypo
chr9	117744801	117745000	*	7.90E-82	5.08E-81	0.111972	chr9_1177	sig	hyper
chr9	119369001	119369200	*	6.73E-41	2.55E-40	0.215588	chr9_1193	sig	hyper
chr9	119369201	119369400	*	3.96E-207	9.27E-206	0.299453	chr9_1193	sig	hyper
chr9	119369601	119369800	*	1.33E-44	5.32E-44	0.173256	chr9_1193	sig	hyper
chr9	119369801	119370000	*	2.41E-147	3.13E-146	0.265028	chr9_1193	sig	hyper
chr9	120842201	120842400	*	3.12E-30	9.73E-30	0.153271	chr9_1208	sig	hyper
chr9	120894801	120895000	*	6.60E-35	2.25E-34	0.103495	chr9_1208	sig	hyper
chr9	121698601	121698800	*	2.35E-58	1.14E-57	0.163162	chr9_1216	sig	hyper
chr9	121699801	121700000	*	1.25E-55	5.86E-55	0.106359	chr9_1216	sig	hyper
chr9	121815801	121816000	*	8.26E-16	1.78E-15	0.118048	chr9_1218	sig	hyper
chr9	122219201	122219400	*	6.42E-121	6.33E-120	0.141812	chr9_1222	sig	hyper
chr9	122219801	122220000	*	6.60E-134	7.50E-133	0.179686	chr9_1222	sig	hyper
chr9	122220001	122220200	*	4.60E-74	2.70E-73	0.147703	chr9_1222	sig	hyper
chr9	122220401	122220600	*	9.93E-83	6.45E-82	0.200243	chr9_1222	sig	hyper
chr9	124015201	124015400	*	1.35E-90	9.53E-90	0.153806	chr9_1240	sig	hyper
chr9	124018001	124018200	*	1.10E-42	4.29E-42	0.129374	chr9_1240	sig	hyper
chr9	124487201	124487400	*	3.45E-43	1.35E-42	0.112603	chr9_1244	sig	hyper
chr9	124838801	124839000	*	5.21E-29	1.58E-28	0.146034	chr9_1248	sig	hyper
chr9	126015401	126015600	*	3.41E-16	7.42E-16	-0.10831	chr9_1260	sig	hypo

chr9	126618401	126618600	*	5.50E-47	2.29E-46	0.138848	chr9_1266	sig	hyper
chr9	126625001	126625200	*	3.12E-114	2.86E-113	0.152008	chr9_1266	sig	hyper
chr9	126625401	126625600	*	8.25E-62	4.17E-61	0.210886	chr9_1266	sig	hyper
chr9	126692601	126692800	*	1.15E-29	3.53E-29	-0.11679	chr9_1266	sig	hypo
chr9	127762601	127762800	*	1.10E-39	4.09E-39	-0.15932	chr9_1277	sig	hypo
chr9	128688401	128688600	*	2.71E-43	1.07E-42	-0.10369	chr9_1286	sig	hypo
chr9	128701601	128701800	*	2.03E-33	6.74E-33	-0.13042	chr9_1287	sig	hypo
chr9	129080401	129080600	*	2.37E-31	7.57E-31	0.101419	chr9_1290	sig	hyper
chr9	129254001	129254200	*	1.78E-36	6.24E-36	0.176165	chr9_1292	sig	hyper
chr9	129598401	129598600	*	1.09E-21	2.77E-21	-0.1016	chr9_1295	sig	hypo
chr9	129620601	129620800	*	0	0	0.446376	chr9_1296	sig	hyper
chr9	129669201	129669400	*	2.74E-89	1.91E-88	-0.15084	chr9_1296	sig	hypo
chr9	129675601	129675800	*	5.20E-95	3.85E-94	-0.23765	chr9_1296	sig	hypo
chr9	130662801	130663000	*	3.59E-88	2.47E-87	0.204007	chr9_1306	sig	hyper
chr9	130663201	130663400	*	9.70E-136	1.12E-134	0.154307	chr9_1306	sig	hyper
chr9	130666601	130666800	*	1.01E-49	4.36E-49	0.128016	chr9_1306	sig	hyper
chr9	130919001	130919200	*	7.56E-105	6.26E-104	-0.20171	chr9_1309	sig	hypo
chr9	131028201	131028400	*	8.76E-28	2.58E-27	-0.11288	chr9_1310	sig	hypo
chr9	131264401	131264600	*	2.11E-22	5.47E-22	-0.12783	chr9_1312	sig	hypo
chr9	131308001	131308200	*	1.20E-155	1.69E-154	-0.18515	chr9_1313	sig	hypo
chr9	131841801	131842000	*	1.32E-19	3.18E-19	-0.1141	chr9_1318	sig	hypo
chr9	131842001	131842200	*	3.39E-50	1.47E-49	-0.10826	chr9_1318	sig	hypo
chr9	132579601	132579800	*	2.01E-60	9.98E-60	0.153902	chr9_1325	sig	hyper
chr9	132579801	132580000	*	5.10E-127	5.38E-126	0.183634	chr9_1325	sig	hyper
chr9	132586401	132586600	*	4.36E-85	2.91E-84	0.16076	chr9_1325	sig	hyper
chr9	133164201	133164400	*	1.06E-33	3.54E-33	0.104501	chr9_1331	sig	hyper
chr9	133200201	133200400	*	7.80E-24	2.10E-23	0.162664	chr9_1332	sig	hyper
chr9	133205601	133205800	*	4.88E-56	2.30E-55	-0.21557	chr9_1332	sig	hypo
chr9	133209401	133209600	*	4.30E-20	1.05E-19	-0.12942	chr9_1332	sig	hypo
chr9	133274601	133274800	*	8.04E-25	2.22E-24	-0.12232	chr9_1332	sig	hypo
chr9	133475001	133475200	*	1.47E-64	7.71E-64	-0.16038	chr9_1334	sig	hypo
chr9	133609601	133609800	*	1.75E-72	1.01E-71	0.131129	chr9_1336	sig	hyper
chr9	133674201	133674400	*	1.72E-76	1.04E-75	-0.22514	chr9_1336	sig	hypo
chr9	133679801	133680000	*	1.44E-28	4.33E-28	-0.11124	chr9_1336	sig	hypo
chr9	133911201	133911400	*	2.13E-96	1.61E-95	0.190094	chr9_1339	sig	hyper
chr9	133979401	133979600	*	4.22E-20	1.03E-19	0.118362	chr9_1339	sig	hyper
chr9	134226201	134226400	*	4.97E-32	1.61E-31	-0.11043	chr9_1342	sig	hypo
chr9	134461601	134461800	*	1.41E-32	4.63E-32	-0.10746	chr9_1344	sig	hypo
chr9	134501201	134501400	*	8.04E-163	1.21E-161	0.264353	chr9_1345	sig	hyper
chr9	134819801	134820000	*	8.36E-29	2.52E-28	-0.12122	chr9_1348	sig	hypo
chr9	135104401	135104600	*	1.05E-98	8.13E-98	-0.21861	chr9_1351	sig	hypo
chr9	135300401	135300600	*	1.78E-29	5.47E-29	-0.10696	chr9_1353	sig	hypo
chr9	135560801	135561000	*	3.23E-28	9.62E-28	-0.15086	chr9_1355	sig	hypo
chr9	135715001	135715200	*	8.42E-94	6.15E-93	0.179653	chr9_1357	sig	hyper
chr9	135778801	135779000	*	1.52E-68	8.39E-68	-0.1079	chr9_1357	sig	hypo
chr9	135783201	135783400	*	6.54E-28	1.93E-27	-0.12959	chr9_1357	sig	hypo
chr9	135788001	135788200	*	2.84E-34	9.58E-34	-0.1693	chr9_1357	sig	hypo
chr9	135792001	135792200	*	1.69E-25	4.74E-25	-0.13213	chr9_1357	sig	hypo
chr9	135908401	135908600	*	1.80E-39	6.63E-39	0.142864	chr9_1359	sig	hyper
chr9	135981001	135981200	*	2.54E-53	1.15E-52	-0.15386	chr9_1359	sig	hypo
chr9	136107201	136107400	*	3.06E-200	6.62E-199	-0.16163	chr9_1361	sig	hypo
chr9	136179001	136179200	*	1.23E-27	3.62E-27	-0.11397	chr9_1361	sig	hypo
chr9	136202401	136202600	*	7.46E-62	3.77E-61	0.10581	chr9_1362	sig	hyper
chr9	136202801	136203000	*	5.08E-69	2.82E-68	0.142707	chr9_1362	sig	hyper
chr9	136204201	136204400	*	1.98E-74	1.17E-73	-0.19133	chr9_1362	sig	hypo
chr9	136251601	136251800	*	5.17E-71	2.94E-70	-0.14911	chr9_1362	sig	hypo

chr9	136356201	136356400	*	0	0	-0.34481	chr9_1363	sig	hypo
chr9	136511801	136512000	*	1.67E-39	6.17E-39	0.131382	chr9_1365	sig	hyper
chr9	136540801	136541000	*	2.35E-57	1.13E-56	0.189816	chr9_1365	sig	hyper
chr9	136562001	136562200	*	1.32E-20	3.26E-20	-0.11519	chr9_1365	sig	hypo
chr9	136652001	136652200	*	1.21E-77	7.44E-77	-0.15871	chr9_1366	sig	hypo
chr9	136653801	136654000	*	7.96E-65	4.19E-64	-0.13042	chr9_1366	sig	hypo
chr9	136657001	136657200	*	5.69E-76	3.43E-75	-0.12824	chr9_1366	sig	hypo
chr9	136739601	136739800	*	1.10E-236	3.44E-235	-0.1882	chr9_1367	sig	hypo
chr9	136744001	136744200	*	1.97E-54	9.09E-54	-0.13935	chr9_1367	sig	hypo
chr9	136748401	136748600	*	9.78E-50	4.23E-49	-0.12909	chr9_1367	sig	hypo
chr9	136964601	136964800	*	1.38E-37	4.91E-37	-0.12052	chr9_1369	sig	hypo
chr9	136986001	136986200	*	1.38E-117	1.31E-116	0.240294	chr9_1369	sig	hyper
chr9	136998001	136998200	*	8.60E-83	5.59E-82	-0.20492	chr9_1369	sig	hypo
chr9	137022401	137022600	*	1.01E-60	5.02E-60	-0.13685	chr9_1370	sig	hypo
chr9	137030801	137031000	*	1.16E-74	6.88E-74	-0.16917	chr9_1370	sig	hypo
chr9	137031201	137031400	*	0.00E+00	0.00E+00	-0.32856	chr9_1370	sig	hypo
chr9	137031401	137031600	*	1.64E-197	3.44E-196	-0.32665	chr9_1370	sig	hypo
chr9	137138401	137138600	*	2.18E-34	7.39E-34	0.160559	chr9_1371	sig	hyper
chr9	137138801	137139000	*	9.80E-43	3.82E-42	0.184365	chr9_1371	sig	hyper
chr9	137139601	137139800	*	9.33E-44	3.69E-43	0.10849	chr9_1371	sig	hyper
chr9	137152601	137152800	*	1.49E-26	4.30E-26	-0.10411	chr9_1371	sig	hypo
chr9	137165601	137165800	*	3.90E-48	1.65E-47	-0.11302	chr9_1371	sig	hypo
chr9	137174201	137174400	*	2.04E-108	1.75E-107	-0.1966	chr9_1371	sig	hypo
chr9	137199001	137199200	*	2.02E-27	5.92E-27	-0.10258	chr9_1371	sig	hypo
chr9	137201601	137201800	*	4.92E-36	1.71E-35	-0.13207	chr9_1372	sig	hypo
chr9	137218401	137218600	*	3.71E-82	2.39E-81	-0.12818	chr9_1372	sig	hypo
chr9	137243001	137243200	*	8.76E-117	8.26E-116	-0.25116	chr9_1372	sig	hypo
chr9	137279001	137279200	*	3.07E-216	7.70E-215	-0.15938	chr9_1372	sig	hypo
chr9	137279401	137279600	*	3.57E-162	5.34E-161	-0.15933	chr9_1372	sig	hypo
chr9	137279801	137280000	*	1.04E-43	4.13E-43	-0.13989	chr9_1372	sig	hypo
chr9	137280001	137280200	*	4.02E-43	1.58E-42	-0.11985	chr9_1372	sig	hypo
chr9	137294001	137294200	*	1.89E-38	6.85E-38	-0.12626	chr9_1372	sig	hypo
chr9	137462201	137462400	*	7.39E-29	2.23E-28	0.113375	chr9_1374	sig	hyper
chr9	137480001	137480200	*	1.05E-47	4.39E-47	-0.10935	chr9_1374	sig	hypo
chr9	137510001	137510200	*	1.70E-74	1.01E-73	-0.20986	chr9_1375	sig	hypo
chr9	137514001	137514200	*	5.37E-29	1.63E-28	-0.11234	chr9_1375	sig	hypo
chr9	137514201	137514400	*	2.65E-36	9.26E-36	-0.13161	chr9_1375	sig	hypo
chr10	324001	324200	*	5.25E-33	1.73E-32	-0.12923	chr10_324	sig	hypo
chr10	340601	340800	*	5.87E-22	1.50E-21	-0.10562	chr10_340	sig	hypo
chr10	484601	484800	*	3.49E-35	1.19E-34	0.104667	chr10_484	sig	hyper
chr10	484801	485000	*	3.70E-86	2.49E-85	0.12209	chr10_484	sig	hyper
chr10	594001	594200	*	1.06E-271	4.47E-270	-0.27805	chr10_594	sig	hypo
chr10	620001	620200	*	4.39E-38	1.58E-37	0.106435	chr10_620	sig	hyper
chr10	774201	774400	*	1.30E-38	4.72E-38	-0.10497	chr10_774	sig	hypo
chr10	774801	775000	*	2.55E-72	1.47E-71	-0.10577	chr10_774	sig	hypo
chr10	775401	775600	*	3.91E-68	2.14E-67	-0.14095	chr10_775	sig	hypo
chr10	785801	786000	*	5.56E-37	1.96E-36	-0.13293	chr10_785	sig	hypo
chr10	788401	788600	*	2.39E-53	1.08E-52	-0.13148	chr10_788	sig	hypo
chr10	1173401	1173600	*	1.21E-285	5.75E-284	-0.33767	chr10_117	sig	hypo
chr10	1182401	1182600	*	8.98E-113	8.10E-112	-0.20778	chr10_118	sig	hypo
chr10	1210401	1210600	*	2.00E-34	6.78E-34	-0.12048	chr10_121	sig	hypo
chr10	1212001	1212200	*	5.58E-83	3.64E-82	-0.22742	chr10_121	sig	hypo
chr10	1404801	1405000	*	2.78E-37	9.88E-37	-0.11691	chr10_140	sig	hypo
chr10	1467801	1468000	*	1.33E-19	3.20E-19	-0.10222	chr10_146	sig	hypo
chr10	1478601	1478800	*	5.98E-113	5.40E-112	-0.20405	chr10_147	sig	hypo
chr10	1553201	1553400	*	2.34E-46	9.64E-46	-0.10743	chr10_155	sig	hypo

chr10	3096201	3096400	*	1.57E-121	1.56E-120	-0.18958	chr10_309	sig	hypo
chr10	3104801	3105000	*	1.14E-40	4.27E-40	-0.12903	chr10_310	sig	hypo
chr10	3118601	3118800	*	8.35E-30	2.58E-29	-0.13292	chr10_311	sig	hypo
chr10	3118801	3119000	*	2.07E-70	1.17E-69	-0.11313	chr10_311	sig	hypo
chr10	3127001	3127200	*	2.83E-152	3.85E-151	-0.27315	chr10_312	sig	hypo
chr10	3173601	3173800	*	2.76E-71	1.57E-70	-0.16259	chr10_317	sig	hypo
chr10	3287601	3287800	*	0	0	-0.30447	chr10_328	sig	hypo
chr10	3288201	3288400	*	1.40E-43	5.54E-43	-0.10541	chr10_328	sig	hypo
chr10	3781601	3781800	*	1.68E-64	8.77E-64	-0.17429	chr10_378	sig	hypo
chr10	3781801	3782000	*	1.87E-64	9.80E-64	-0.19346	chr10_378	sig	hypo
chr10	5648801	5649000	*	5.12E-22	1.31E-21	-0.10671	chr10_564	sig	hypo
chr10	6120601	6120800	*	2.85E-87	1.94E-86	-0.21169	chr10_612	sig	hypo
chr10	6120801	6121000	*	2.21E-100	1.75E-99	-0.24677	chr10_612	sig	hypo
chr10	6141401	6141600	*	4.58E-81	2.93E-80	0.125629	chr10_614	sig	hyper
chr10	6144001	6144200	*	8.30E-20	2.01E-19	-0.11222	chr10_614	sig	hypo
chr10	6172001	6172200	*	1.78E-73	1.04E-72	0.138877	chr10_617	sig	hyper
chr10	7407601	7407800	*	3.35E-88	2.30E-87	0.199815	chr10_740	sig	hyper
chr10	7408401	7408600	*	0	0	0.342034	chr10_740	sig	hyper
chr10	7409801	7410000	*	1.25E-203	2.81E-202	0.289685	chr10_740	sig	hyper
chr10	7410801	7411000	*	7.40E-183	1.35E-181	0.172817	chr10_741	sig	hyper
chr10	7411401	7411600	*	0.00E+00	0.00E+00	0.255821	chr10_741	sig	hyper
chr10	7411801	7412000	*	2.21E-134	2.53E-133	0.340625	chr10_741	sig	hyper
chr10	7412001	7412200	*	2.65E-101	2.11E-100	0.30567	chr10_741	sig	hyper
chr10	7412601	7412800	*	7.42E-163	1.12E-161	0.274977	chr10_741	sig	hyper
chr10	7526001	7526200	*	9.49E-72	5.44E-71	-0.1355	chr10_752	sig	hypo
chr10	7561801	7562000	*	1.91E-17	4.32E-17	0.125908	chr10_756	sig	hyper
chr10	7666201	7666400	*	3.73E-205	8.56E-204	0.226594	chr10_766	sig	hyper
chr10	8036001	8036200	*	3.07E-127	3.24E-126	0.266416	chr10_803	sig	hyper
chr10	8036201	8036400	*	4.19E-103	3.40E-102	0.264375	chr10_803	sig	hyper
chr10	8037201	8037400	*	2.60E-184	4.78E-183	0.20417	chr10_803	sig	hyper
chr10	8037401	8037600	*	7.09E-118	6.77E-117	0.140948	chr10_803	sig	hyper
chr10	8046801	8047000	*	1.59E-43	6.28E-43	0.101772	chr10_804	sig	hyper
chr10	8051401	8051600	*	4.11E-49	1.76E-48	0.100651	chr10_805	sig	hyper
chr10	8055201	8055400	*	3.13E-113	2.83E-112	0.159501	chr10_805	sig	hyper
chr10	11164801	11165000	*	2.61E-150	3.50E-149	0.266346	chr10_111	sig	hyper
chr10	11165401	11165600	*	1.25E-302	7.07E-301	0.324693	chr10_111	sig	hyper
chr10	11165801	11166000	*	2.61E-128	2.79E-127	0.295946	chr10_111	sig	hyper
chr10	11742001	11742200	*	9.74E-230	2.82E-228	0.190635	chr10_117	sig	hyper
chr10	11892201	11892400	*	1.03E-54	4.75E-54	-0.10617	chr10_118	sig	hypo
chr10	13890801	13891000	*	2.22E-124	2.28E-123	0.190432	chr10_138	sig	hyper
chr10	13891401	13891600	*	2.29E-82	1.48E-81	0.202593	chr10_138	sig	hyper
chr10	13891601	13891800	*	1.00E-108	8.64E-108	0.227394	chr10_138	sig	hyper
chr10	13892201	13892400	*	6.72E-40	2.50E-39	0.182655	chr10_138	sig	hyper
chr10	15719201	15719400	*	2.73E-108	2.34E-107	0.165895	chr10_157	sig	hyper
chr10	15719401	15719600	*	2.12E-101	1.69E-100	0.249621	chr10_157	sig	hyper
chr10	16519401	16519600	*	1.57E-31	5.01E-31	0.113445	chr10_165	sig	hyper
chr10	16519601	16519800	*	3.94E-27	1.15E-26	0.101406	chr10_165	sig	hyper
chr10	16520601	16520800	*	1.23E-180	2.18E-179	0.263138	chr10_165	sig	hyper
chr10	17229401	17229600	*	1.35E-120	1.33E-119	0.116056	chr10_172	sig	hyper
chr10	21175201	21175400	*	2.57E-83	1.68E-82	-0.19916	chr10_211	sig	hypo
chr10	21507201	21507400	*	6.80E-18	1.56E-17	-0.1001	chr10_215	sig	hypo
chr10	22253401	22253600	*	4.92E-130	5.35E-129	0.221132	chr10_222	sig	hyper
chr10	22253601	22253800	*	7.52E-22	1.92E-21	0.103737	chr10_222	sig	hyper
chr10	22345001	22345200	*	1.89E-182	3.43E-181	0.182449	chr10_223	sig	hyper
chr10	22345201	22345400	*	0	0	0.271549	chr10_223	sig	hyper
chr10	22345601	22345800	*	2.02E-164	3.10E-163	0.356072	chr10_223	sig	hyper

chr10	22476001	22476200	*	1.42E-75	8.49E-75	0.147325	chr10_224	sig	hyper
chr10	22477001	22477200	*	8.24E-39	3.00E-38	0.154963	chr10_224	sig	hyper
chr10	22477201	22477400	*	1.63E-64	8.51E-64	0.201765	chr10_224	sig	hyper
chr10	22928201	22928400	*	5.37E-22	1.38E-21	0.132014	chr10_229	sig	hyper
chr10	23171601	23171800	*	3.14E-31	1.00E-30	0.127246	chr10_231	sig	hyper
chr10	23172601	23172800	*	1.14E-97	8.75E-97	0.232957	chr10_231	sig	hyper
chr10	23173201	23173400	*	0.00E+00	0.00E+00	0.279979	chr10_231	sig	hyper
chr10	23174401	23174600	*	3.35E-202	7.45E-201	0.256664	chr10_231	sig	hyper
chr10	23191001	23191200	*	8.57E-218	2.18E-216	0.300564	chr10_231	sig	hyper
chr10	23191201	23191400	*	1.66E-244	5.56E-243	0.23751	chr10_231	sig	hyper
chr10	23192401	23192600	*	2.99E-63	1.53E-62	0.224485	chr10_231	sig	hyper
chr10	23192601	23192800	*	1.83E-104	1.51E-103	0.260391	chr10_231	sig	hyper
chr10	23195801	23196000	*	1.10E-76	6.65E-76	0.198429	chr10_231	sig	hyper
chr10	23200201	23200400	*	1.32E-128	1.42E-127	0.336162	chr10_232	sig	hyper
chr10	23200801	23201000	*	3.63E-76	2.19E-75	0.210465	chr10_232	sig	hyper
chr10	23203801	23204000	*	1.42E-60	7.06E-60	0.188943	chr10_232	sig	hyper
chr10	23693401	23693600	*	8.99E-183	1.63E-181	0.259544	chr10_236	sig	hyper
chr10	23693601	23693800	*	2.05E-188	3.97E-187	0.220597	chr10_236	sig	hyper
chr10	25176401	25176600	*	7.89E-117	7.44E-116	0.119047	chr10_251	sig	hyper
chr10	25933801	25934000	*	1.26E-160	1.86E-159	0.224061	chr10_259	sig	hyper
chr10	25934001	25934200	*	0	0	0.312953	chr10_259	sig	hyper
chr10	25935001	25935200	*	1.45E-239	4.64E-238	0.224413	chr10_259	sig	hyper
chr10	26211601	26211800	*	2.58E-42	1.00E-41	0.193408	chr10_262	sig	hyper
chr10	26212001	26212200	*	2.26E-99	1.76E-98	0.257181	chr10_262	sig	hyper
chr10	26215201	26215400	*	1.41E-106	1.19E-105	0.258345	chr10_262	sig	hyper
chr10	26218401	26218600	*	0	0	0.348644	chr10_262	sig	hyper
chr10	26696801	26697000	*	1.61E-20	3.98E-20	-0.11769	chr10_266	sig	hypo
chr10	26946601	26946800	*	2.06E-140	2.49E-139	0.176098	chr10_269	sig	hyper
chr10	27320201	27320400	*	1.24E-64	6.50E-64	-0.11582	chr10_273	sig	hypo
chr10	27413601	27413800	*	5.66E-34	1.90E-33	0.123435	chr10_274	sig	hyper
chr10	27741001	27741200	*	1.19E-15	2.55E-15	0.10673	chr10_277	sig	hyper
chr10	27744801	27745000	*	1.52E-84	1.01E-83	0.170518	chr10_277	sig	hyper
chr10	27745001	27745200	*	4.21E-222	1.12E-220	0.249312	chr10_277	sig	hyper
chr10	27746201	27746400	*	9.50E-250	3.35E-248	0.154667	chr10_277	sig	hyper
chr10	27746601	27746800	*	6.32E-203	1.41E-201	0.2989	chr10_277	sig	hyper
chr10	27746801	27747000	*	4.34E-165	6.71E-164	0.274523	chr10_277	sig	hyper
chr10	27999201	27999400	*	8.83E-93	6.38E-92	0.244586	chr10_279	sig	hyper
chr10	35608001	35608200	*	1.54E-95	1.15E-94	0.198684	chr10_356	sig	hyper
chr10	42242601	42242800	*	8.75E-84	5.76E-83	0.214356	chr10_422	sig	hyper
chr10	42368001	42368200	*	3.85E-119	3.73E-118	0.251839	chr10_423	sig	hyper
chr10	42475601	42475800	*	5.06E-34	1.70E-33	0.143053	chr10_424	sig	hyper
chr10	42551801	42552000	*	5.22E-15	1.09E-14	-0.10501	chr10_425	sig	hypo
chr10	42755201	42755400	*	3.38E-32	1.10E-31	0.102158	chr10_427	sig	hyper
chr10	42898601	42898800	*	1.50E-35	5.19E-35	0.191774	chr10_428	sig	hyper
chr10	43131001	43131200	*	9.51E-126	9.89E-125	-0.17408	chr10_431	sig	hypo
chr10	43215801	43216000	*	1.09E-32	3.59E-32	-0.12157	chr10_432	sig	hypo
chr10	43573801	43574000	*	1.73E-87	1.18E-86	0.203014	chr10_435	sig	hyper
chr10	43690601	43690800	*	1.14E-57	5.46E-57	0.15815	chr10_436	sig	hyper
chr10	44293201	44293400	*	2.99E-50	1.30E-49	0.207233	chr10_442	sig	hyper
chr10	44293401	44293600	*	9.70E-61	4.83E-60	0.20154	chr10_442	sig	hyper
chr10	45600801	45601000	*	1.62E-39	6.01E-39	0.171988	chr10_456	sig	hyper
chr10	46911201	46911400	*	1.74E-54	8.04E-54	0.111732	chr10_469	sig	hyper
chr10	48523401	48523600	*	1.41E-185	2.63E-184	0.11981	chr10_485	sig	hyper
chr10	49115001	49115200	*	1.94E-302	1.09E-300	0.267605	chr10_491	sig	hyper
chr10	49322601	49322800	*	6.86E-86	4.60E-85	-0.17179	chr10_493	sig	hypo
chr10	49396401	49396600	*	8.83E-122	8.80E-121	0.254556	chr10_493	sig	hyper

chr10	49397001	49397200	*	1.73E-61	8.70E-61	0.185358	chr10_493	sig	hyper
chr10	49608801	49609000	*	8.61E-197	1.80E-195	0.331614	chr10_496	sig	hyper
chr10	49609201	49609400	*	1.77E-307	1.05E-305	0.357973	chr10_496	sig	hyper
chr10	49613001	49613200	*	5.82E-38	2.09E-37	0.111719	chr10_496	sig	hyper
chr10	49613401	49613600	*	3.79E-173	6.36E-172	0.229305	chr10_496	sig	hyper
chr10	49614601	49614800	*	1.35E-134	1.55E-133	0.165302	chr10_496	sig	hyper
chr10	49679401	49679600	*	1.08E-176	1.86E-175	0.206567	chr10_496	sig	hyper
chr10	49679601	49679800	*	9.82E-147	1.27E-145	0.233204	chr10_496	sig	hyper
chr10	49769001	49769200	*	1.22E-40	4.60E-40	0.183795	chr10_497	sig	hyper
chr10	50024601	50024800	*	3.71E-35	1.27E-34	0.141665	chr10_500	sig	hyper
chr10	50024801	50025000	*	1.21E-219	3.14E-218	0.223242	chr10_500	sig	hyper
chr10	50674801	50675000	*	6.73E-220	1.75E-218	-0.23275	chr10_506	sig	hypo
chr10	52778401	52778600	*	8.11E-75	4.82E-74	0.23094	chr10_527	sig	hyper
chr10	52884001	52884200	*	2.30E-27	6.73E-27	-0.14356	chr10_528	sig	hypo
chr10	55627801	55628000	*	1.15E-222	3.07E-221	0.283871	chr10_556	sig	hyper
chr10	55628201	55628400	*	0	0	0.289157	chr10_556	sig	hyper
chr10	55628401	55628600	*	0	0	0.293544	chr10_556	sig	hyper
chr10	55628601	55628800	*	1.76E-172	2.94E-171	0.258698	chr10_556	sig	hyper
chr10	55630001	55630200	*	4.32E-227	1.22E-225	0.282552	chr10_556	sig	hyper
chr10	55631201	55631400	*	1.62E-101	1.29E-100	0.275415	chr10_556	sig	hyper
chr10	59177001	59177200	*	8.50E-155	1.18E-153	0.178383	chr10_591	sig	hyper
chr10	59177201	59177400	*	2.55E-67	1.38E-66	0.132805	chr10_591	sig	hyper
chr10	61453601	61453800	*	1.70E-87	1.16E-86	0.185082	chr10_614	sig	hyper
chr10	68562001	68562200	*	2.22E-132	2.48E-131	0.237083	chr10_685	sig	hyper
chr10	69103801	69104000	*	3.52E-84	2.33E-83	-0.23888	chr10_691	sig	hypo
chr10	69569201	69569400	*	9.60E-215	2.36E-213	0.304095	chr10_695	sig	hyper
chr10	69571801	69572000	*	2.52E-92	1.81E-91	0.172317	chr10_695	sig	hyper
chr10	70256401	70256600	*	8.00E-88	5.48E-87	-0.23056	chr10_702	sig	hypo
chr10	70283601	70283800	*	3.56E-113	3.22E-112	0.28204	chr10_702	sig	hyper
chr10	70283801	70284000	*	1.63E-85	1.09E-84	0.293714	chr10_702	sig	hyper
chr10	70442001	70442200	*	4.75E-41	1.80E-40	-0.10738	chr10_704	sig	hypo
chr10	70459801	70460000	*	1.93E-78	1.19E-77	-0.21927	chr10_704	sig	hypo
chr10	70552001	70552200	*	1.41E-35	4.84E-35	0.121073	chr10_705	sig	hyper
chr10	70552201	70552400	*	5.14E-52	2.29E-51	0.1173	chr10_705	sig	hyper
chr10	70600401	70600600	*	7.58E-40	2.82E-39	-0.1031	chr10_706	sig	hypo
chr10	71316801	71317000	*	1.26E-25	3.56E-25	-0.14463	chr10_713	sig	hypo
chr10	71318801	71319000	*	1.57E-30	4.91E-30	-0.12073	chr10_713	sig	hypo
chr10	71665601	71665800	*	5.20E-64	2.70E-63	-0.20061	chr10_716	sig	hypo
chr10	71805801	71806000	*	1.34E-163	2.04E-162	-0.16821	chr10_718	sig	hypo
chr10	71806201	71806400	*	6.24E-38	2.24E-37	-0.14517	chr10_718	sig	hypo
chr10	72217001	72217200	*	3.52E-76	2.13E-75	-0.26148	chr10_722	sig	hypo
chr10	73769001	73769200	*	6.52E-19	1.54E-18	-0.11762	chr10_737	sig	hypo
chr10	75044001	75044200	*	8.05E-28	2.38E-27	0.113976	chr10_750	sig	hyper
chr10	75099401	75099600	*	8.09E-34	2.71E-33	-0.17078	chr10_750	sig	hypo
chr10	75408401	75408600	*	8.39E-186	1.58E-184	0.310311	chr10_754	sig	hyper
chr10	75408601	75408800	*	3.67E-134	4.19E-133	0.258403	chr10_754	sig	hyper
chr10	75408801	75409000	*	4.90E-56	2.30E-55	0.152035	chr10_754	sig	hyper
chr10	76111801	76112000	*	2.44E-30	7.63E-30	0.110175	chr10_761	sig	hyper
chr10	77711201	77711400	*	2.40E-58	1.16E-57	0.144668	chr10_777	sig	hyper
chr10	79242601	79242800	*	0	0	0.42384	chr10_792	sig	hyper
chr10	79242801	79243000	*	0	0	0.367926	chr10_792	sig	hyper
chr10	79243801	79244000	*	5.73E-82	3.69E-81	0.154523	chr10_792	sig	hyper
chr10	79904601	79904800	*	8.96E-68	4.90E-67	0.116061	chr10_799	sig	hyper
chr10	79983201	79983400	*	6.19E-23	1.63E-22	0.129488	chr10_799	sig	hyper
chr10	80356601	80356800	*	4.04E-79	2.53E-78	0.130486	chr10_803	sig	hyper
chr10	81876401	81876600	*	1.76E-126	1.85E-125	0.186644	chr10_818	sig	hyper

chr10	84237401	84237600	*	1.30E-101	1.04E-100	0.145325	chr10_842	sig	hyper
chr10	86263001	86263200	*	4.56E-127	4.82E-126	0.168181	chr10_862	sig	hyper
chr10	86263201	86263400	*	3.35E-128	3.57E-127	0.202486	chr10_862	sig	hyper
chr10	86367401	86367600	*	0	0	0.17297	chr10_863	sig	hyper
chr10	86536401	86536600	*	1.66E-28	4.97E-28	0.109538	chr10_865	sig	hyper
chr10	86668401	86668600	*	2.89E-38	1.04E-37	-0.11976	chr10_866	sig	hypo
chr10	86970801	86971000	*	7.92E-41	2.99E-40	-0.13331	chr10_869	sig	hypo
chr10	90857001	90857200	*	4.81E-129	5.18E-128	0.24444	chr10_908	sig	hyper
chr10	90857201	90857400	*	6.05E-110	5.28E-109	0.248132	chr10_908	sig	hyper
chr10	91633001	91633200	*	6.32E-184	1.16E-182	0.107193	chr10_916	sig	hyper
chr10	91633401	91633600	*	9.71E-108	8.26E-107	0.152404	chr10_916	sig	hyper
chr10	92420601	92420800	*	1.72E-53	7.83E-53	0.191241	chr10_924	sig	hyper
chr10	92420801	92421000	*	4.66E-84	3.08E-83	0.162213	chr10_924	sig	hyper
chr10	92691201	92691400	*	2.88E-26	8.24E-26	0.10608	chr10_926	sig	hyper
chr10	92691601	92691800	*	2.84E-24	7.73E-24	0.105228	chr10_926	sig	hyper
chr10	92691801	92692000	*	1.16E-44	4.63E-44	0.155221	chr10_926	sig	hyper
chr10	93060201	93060400	*	8.69E-262	3.39E-260	0.264712	chr10_930	sig	hyper
chr10	93065801	93066000	*	5.36E-239	1.71E-237	0.246706	chr10_930	sig	hyper
chr10	93069201	93069400	*	3.40E-178	5.94E-177	0.204205	chr10_930	sig	hyper
chr10	93074801	93075000	*	2.31E-104	1.90E-103	0.114034	chr10_930	sig	hyper
chr10	93497001	93497200	*	2.05E-46	8.47E-46	-0.17073	chr10_934	sig	hypo
chr10	93567401	93567600	*	4.66E-44	1.85E-43	-0.11584	chr10_935	sig	hypo
chr10	95230601	95230800	*	5.98E-38	2.15E-37	0.169257	chr10_952	sig	hyper
chr10	95230801	95231000	*	5.76E-66	3.07E-65	0.187597	chr10_952	sig	hyper
chr10	95231001	95231200	*	8.59E-125	8.84E-124	0.213919	chr10_952	sig	hyper
chr10	96129601	96129800	*	2.11E-48	8.96E-48	-0.14216	chr10_961	sig	hypo
chr10	97186801	97187000	*	7.12E-27	2.06E-26	-0.1041	chr10_971	sig	hypo
chr10	99232201	99232400	*	1.28E-61	6.44E-61	0.143024	chr10_992	sig	hyper
chr10	99232401	99232600	*	2.33E-139	2.79E-138	0.246731	chr10_992	sig	hyper
chr10	99232801	99233000	*	8.90E-110	7.76E-109	0.187772	chr10_992	sig	hyper
chr10	99233801	99234000	*	1.15E-158	1.67E-157	0.205198	chr10_992	sig	hyper
chr10	99234001	99234200	*	0	0	0.209742	chr10_992	sig	hyper
chr10	99234201	99234400	*	1.57E-129	1.70E-128	0.190866	chr10_992	sig	hyper
chr10	99234401	99234600	*	1.55E-86	1.05E-85	0.248336	chr10_992	sig	hyper
chr10	99329001	99329200	*	7.23E-58	3.48E-57	0.189241	chr10_993	sig	hyper
chr10	99520801	99521000	*	9.38E-25	2.59E-24	0.10093	chr10_995	sig	hyper
chr10	99527201	99527400	*	1.28E-26	3.68E-26	0.143605	chr10_995	sig	hyper
chr10	99527801	99528000	*	8.65E-186	1.62E-184	0.247576	chr10_995	sig	hyper
chr10	99528001	99528200	*	3.30E-73	1.91E-72	0.15753	chr10_995	sig	hyper
chr10	99530401	99530600	*	4.60E-267	1.88E-265	0.262942	chr10_995	sig	hyper
chr10	99531001	99531200	*	2.15E-67	1.17E-66	0.210926	chr10_995	sig	hyper
chr10	99531201	99531400	*	8.95E-119	8.64E-118	0.194018	chr10_995	sig	hyper
chr10	99531401	99531600	*	4.07E-75	2.43E-74	0.134862	chr10_995	sig	hyper
chr10	99533401	99533600	*	6.08E-58	2.93E-57	0.127018	chr10_995	sig	hyper
chr10	100081401	100081600	*	4.88E-23	1.29E-22	-0.13361	chr10_100	sig	hypo
chr10	100519801	100520000	*	0	0	0.308288	chr10_100	sig	hyper
chr10	100520001	100520200	*	1.53E-79	9.57E-79	0.195401	chr10_100	sig	hyper
chr10	100655401	100655600	*	1.08E-50	4.70E-50	0.152795	chr10_100	sig	hyper
chr10	100659401	100659600	*	2.29E-233	6.87E-232	0.271739	chr10_100	sig	hyper
chr10	100659601	100659800	*	2.01E-94	1.48E-93	0.228271	chr10_100	sig	hyper
chr10	100713801	100714000	*	2.55E-63	1.31E-62	0.121501	chr10_100	sig	hyper
chr10	100737801	100738000	*	6.31E-168	1.00E-166	0.160115	chr10_100	sig	hyper
chr10	100738601	100738800	*	1.95E-37	6.96E-37	0.157538	chr10_100	sig	hyper
chr10	100829801	100830000	*	5.27E-20	1.28E-19	0.119367	chr10_100	sig	hyper
chr10	100830401	100830600	*	0	0	0.230963	chr10_100	sig	hyper
chr10	100830601	100830800	*	2.19E-99	1.71E-98	0.165791	chr10_100	sig	hyper

chr10	101061801	101062000	*	2.37E-74	1.40E-73	-0.16366	chr10_101	sig	hypo
chr10	101062001	101062200	*	4.55E-187	8.64E-186	-0.36683	chr10_101	sig	hypo
chr10	101132601	101132800	*	3.55E-32	1.16E-31	0.135855	chr10_101	sig	hyper
chr10	101134201	101134400	*	0	0	0.28838	chr10_101	sig	hyper
chr10	101134601	101134800	*	1.57E-255	5.86E-254	0.2345	chr10_101	sig	hyper
chr10	101135801	101136000	*	6.98E-59	3.41E-58	0.218987	chr10_101	sig	hyper
chr10	101136601	101136800	*	2.35E-251	8.41E-250	0.171933	chr10_101	sig	hyper
chr10	101136801	101137000	*	1.75E-216	4.41E-215	0.206388	chr10_101	sig	hyper
chr10	101139401	101139600	*	1.03E-158	1.49E-157	0.166459	chr10_101	sig	hyper
chr10	101140201	101140400	*	7.71E-168	1.22E-166	0.161234	chr10_101	sig	hyper
chr10	101140401	101140600	*	1.49E-41	5.68E-41	0.137669	chr10_101	sig	hyper
chr10	101140601	101140800	*	9.61E-47	3.98E-46	0.113884	chr10_101	sig	hyper
chr10	101146601	101146800	*	2.38E-52	1.06E-51	0.121916	chr10_101	sig	hyper
chr10	101146801	101147000	*	3.41E-58	1.65E-57	0.150436	chr10_101	sig	hyper
chr10	101216801	101217000	*	2.79E-32	9.08E-32	0.177183	chr10_101	sig	hyper
chr10	101218201	101218400	*	0.00E+00	0.00E+00	0.262574	chr10_101	sig	hyper
chr10	101223601	101223800	*	6.59E-278	2.92E-276	0.257699	chr10_101	sig	hyper
chr10	101225201	101225400	*	5.94E-70	3.34E-69	0.13163	chr10_101	sig	hyper
chr10	101225801	101226000	*	4.34E-42	1.67E-41	0.207304	chr10_101	sig	hyper
chr10	101226001	101226200	*	1.71E-246	5.85E-245	0.281763	chr10_101	sig	hyper
chr10	101227401	101227600	*	6.46E-130	7.02E-129	0.171933	chr10_101	sig	hyper
chr10	101227601	101227800	*	0	0	0.218148	chr10_101	sig	hyper
chr10	101228001	101228200	*	1.09E-38	3.95E-38	0.106049	chr10_101	sig	hyper
chr10	101228201	101228400	*	4.87E-75	2.90E-74	0.132969	chr10_101	sig	hyper
chr10	101228401	101228600	*	0	0	0.19378	chr10_101	sig	hyper
chr10	101228601	101228800	*	9.62E-147	1.25E-145	0.160717	chr10_101	sig	hyper
chr10	101236201	101236400	*	7.79E-40	2.90E-39	0.143487	chr10_101	sig	hyper
chr10	101236401	101236600	*	0	0	0.179258	chr10_101	sig	hyper
chr10	101236601	101236800	*	7.94E-158	1.14E-156	0.176755	chr10_101	sig	hyper
chr10	101237601	101237800	*	6.22E-79	3.88E-78	0.166599	chr10_101	sig	hyper
chr10	101238201	101238400	*	2.20E-31	7.03E-31	0.115765	chr10_101	sig	hyper
chr10	101284401	101284600	*	6.98E-145	8.85E-144	0.251274	chr10_101	sig	hyper
chr10	101291401	101291600	*	4.53E-90	3.18E-89	0.161661	chr10_101	sig	hyper
chr10	101829801	101830000	*	2.86E-60	1.42E-59	0.1964	chr10_101	sig	hyper
chr10	102240601	102240800	*	2.42E-164	3.71E-163	0.262388	chr10_102	sig	hyper
chr10	102410801	102411000	*	2.61E-105	2.17E-104	0.172226	chr10_102	sig	hyper
chr10	102414001	102414200	*	1.48E-42	5.76E-42	-0.12306	chr10_102	sig	hypo
chr10	102419001	102419200	*	3.00E-41	1.14E-40	0.126007	chr10_102	sig	hyper
chr10	102657201	102657400	*	3.98E-53	1.80E-52	-0.18395	chr10_102	sig	hypo
chr10	102919601	102919800	*	1.15E-24	3.17E-24	0.11338	chr10_102	sig	hyper
chr10	103276801	103277000	*	1.79E-103	1.46E-102	0.185283	chr10_103	sig	hyper
chr10	103277801	103278000	*	2.36E-180	4.17E-179	0.279414	chr10_103	sig	hyper
chr10	103479001	103479200	*	8.48E-25	2.34E-24	-0.13794	chr10_103	sig	hypo
chr10	103584401	103584600	*	6.91E-72	3.96E-71	0.155377	chr10_103	sig	hyper
chr10	103584801	103585000	*	1.48E-30	4.64E-30	0.104757	chr10_103	sig	hyper
chr10	103660801	103661000	*	2.97E-38	1.07E-37	0.152213	chr10_103	sig	hyper
chr10	103668601	103668800	*	3.79E-53	1.72E-52	0.127932	chr10_103	sig	hyper
chr10	104640001	104640200	*	3.31E-98	2.55E-97	0.302647	chr10_104	sig	hyper
chr10	104641401	104641600	*	3.04E-296	1.61E-294	0.297223	chr10_104	sig	hyper
chr10	104642601	104642800	*	1.07E-202	2.38E-201	0.285332	chr10_104	sig	hyper
chr10	107914401	107914600	*	3.21E-108	2.75E-107	0.177857	chr10_107	sig	hyper
chr10	108911801	108912000	*	1.78E-135	2.06E-134	0.223744	chr10_108	sig	hyper
chr10	111078201	111078400	*	2.79E-19	6.65E-19	0.104668	chr10_111	sig	hyper
chr10	114405201	114405400	*	1.97E-31	6.29E-31	-0.10047	chr10_114	sig	hypo
chr10	116272001	116272200	*	3.56E-147	4.62E-146	0.250731	chr10_116	sig	hyper
chr10	116272401	116272600	*	0	0	0.273479	chr10_116	sig	hyper

chr10	116273401	116273600	*	8.10E-189	1.58E-187	0.204437	chr10_116	sig	hyper
chr10	116274201	116274400	*	1.10E-84	7.32E-84	0.16535	chr10_116	sig	hyper
chr10	117132001	117132200	*	1.32E-161	1.96E-160	0.253133	chr10_117	sig	hyper
chr10	117132601	117132800	*	3.22E-118	3.09E-117	0.234026	chr10_117	sig	hyper
chr10	117132801	117133000	*	8.89E-111	7.84E-110	0.138366	chr10_117	sig	hyper
chr10	117133001	117133200	*	2.38E-130	2.60E-129	0.112362	chr10_117	sig	hyper
chr10	117133601	117133800	*	3.68E-57	1.76E-56	0.150939	chr10_117	sig	hyper
chr10	117138401	117138600	*	1.80E-96	1.36E-95	0.155929	chr10_117	sig	hyper
chr10	117532601	117532800	*	6.21E-161	9.18E-160	0.123205	chr10_117	sig	hyper
chr10	117533001	117533200	*	2.16E-39	7.99E-39	0.101891	chr10_117	sig	hyper
chr10	117536201	117536400	*	1.91E-125	1.98E-124	0.120743	chr10_117	sig	hyper
chr10	117541401	117541600	*	9.90E-57	4.70E-56	0.143307	chr10_117	sig	hyper
chr10	117546601	117546800	*	0	0	0.15713	chr10_117	sig	hyper
chr10	117551801	117552000	*	6.00E-73	3.48E-72	0.180667	chr10_117	sig	hyper
chr10	117735001	117735200	*	2.88E-220	7.50E-219	0.221642	chr10_117	sig	hyper
chr10	118595001	118595200	*	4.40E-156	6.22E-155	0.211544	chr10_118	sig	hyper
chr10	118595601	118595800	*	5.31E-138	6.27E-137	0.239896	chr10_118	sig	hyper
chr10	118595801	118596000	*	2.99E-97	2.27E-96	0.219351	chr10_118	sig	hyper
chr10	119541801	119542000	*	5.96E-18	1.37E-17	0.129019	chr10_119	sig	hyper
chr10	119542201	119542400	*	3.24E-62	1.65E-61	0.144903	chr10_119	sig	hyper
chr10	120457201	120457400	*	3.58E-122	3.58E-121	0.123289	chr10_120	sig	hyper
chr10	120457401	120457600	*	4.38E-131	4.81E-130	0.221401	chr10_120	sig	hyper
chr10	120950201	120950400	*	3.10E-68	1.70E-67	0.172833	chr10_120	sig	hyper
chr10	122163801	122164000	*	2.16E-51	9.52E-51	0.174339	chr10_122	sig	hyper
chr10	122164001	122164200	*	1.52E-24	4.17E-24	0.118889	chr10_122	sig	hyper
chr10	122818601	122818800	*	4.78E-125	4.94E-124	0.212919	chr10_122	sig	hyper
chr10	122954601	122954800	*	2.96E-89	2.06E-88	0.172449	chr10_122	sig	hyper
chr10	123134201	123134400	*	2.67E-32	8.70E-32	0.112554	chr10_123	sig	hyper
chr10	123134401	123134600	*	1.03E-180	1.84E-179	0.204475	chr10_123	sig	hyper
chr10	123134801	123135000	*	5.00E-39	1.83E-38	0.102086	chr10_123	sig	hyper
chr10	123142801	123143000	*	1.21E-201	2.67E-200	0.220863	chr10_123	sig	hyper
chr10	123143201	123143400	*	3.73E-79	2.33E-78	0.194639	chr10_123	sig	hyper
chr10	123143601	123143800	*	1.17E-138	1.39E-137	0.255209	chr10_123	sig	hyper
chr10	123148201	123148400	*	1.02E-59	5.01E-59	0.185883	chr10_123	sig	hyper
chr10	123150601	123150800	*	9.60E-64	4.96E-63	0.189606	chr10_123	sig	hyper
chr10	123666001	123666200	*	5.15E-215	1.27E-213	0.321616	chr10_123	sig	hyper
chr10	123973201	123973400	*	3.90E-223	1.05E-221	0.250455	chr10_123	sig	hyper
chr10	123992001	123992200	*	2.40E-71	1.37E-70	0.220534	chr10_123	sig	hyper
chr10	124094201	124094400	*	5.58E-87	3.78E-86	0.106003	chr10_124	sig	hyper
chr10	124448201	124448400	*	2.94E-73	1.71E-72	0.18812	chr10_124	sig	hyper
chr10	127194801	127195000	*	9.06E-56	4.24E-55	0.12634	chr10_127	sig	hyper
chr10	127736801	127737000	*	4.10E-98	3.15E-97	0.347171	chr10_127	sig	hyper
chr10	127737601	127737800	*	0	0	0.282188	chr10_127	sig	hyper
chr10	127738401	127738600	*	2.01E-50	8.76E-50	0.158844	chr10_127	sig	hyper
chr10	128149401	128149600	*	8.55E-23	2.24E-22	-0.1038	chr10_128	sig	hypo
chr10	128211201	128211400	*	1.76E-30	5.51E-30	-0.10075	chr10_128	sig	hypo
chr10	128214601	128214800	*	1.32E-64	6.91E-64	-0.14764	chr10_128	sig	hypo
chr10	128214801	128215000	*	1.01E-160	1.49E-159	-0.3319	chr10_128	sig	hypo
chr10	128483401	128483600	*	3.57E-47	1.49E-46	-0.10341	chr10_128	sig	hypo
chr10	128540201	128540400	*	1.27E-147	1.66E-146	0.230044	chr10_128	sig	hyper
chr10	128540801	128541000	*	1.03E-41	3.96E-41	0.105285	chr10_128	sig	hyper
chr10	128541001	128541200	*	6.17E-166	9.63E-165	0.188713	chr10_128	sig	hyper
chr10	128568401	128568600	*	2.47E-120	2.42E-119	-0.15456	chr10_128	sig	hypo
chr10	128709401	128709600	*	2.99E-104	2.46E-103	-0.12107	chr10_128	sig	hypo
chr10	128886401	128886600	*	7.42E-38	2.66E-37	-0.13335	chr10_128	sig	hypo
chr10	128959001	128959200	*	6.12E-29	1.85E-28	-0.12233	chr10_128	sig	hypo

chr10	129466601	129466800	*	1.54E-38	5.60E-38	0.106295	chr10_129	sig	hyper
chr10	129852001	129852200	*	1.15E-219	2.98E-218	-0.28737	chr10_129	sig	hypo
chr10	129852401	129852600	*	1.17E-247	4.05E-246	-0.31489	chr10_129	sig	hypo
chr10	129854801	129855000	*	3.06E-60	1.51E-59	-0.10503	chr10_129	sig	hypo
chr10	129884601	129884800	*	3.36E-75	2.01E-74	-0.14187	chr10_129	sig	hypo
chr10	129886401	129886600	*	4.43E-99	3.44E-98	-0.20876	chr10_129	sig	hypo
chr10	129887801	129888000	*	3.52E-62	1.78E-61	-0.10582	chr10_129	sig	hypo
chr10	129892801	129893000	*	4.13E-65	2.18E-64	-0.1285	chr10_129	sig	hypo
chr10	129959401	129959600	*	5.72E-61	2.86E-60	0.107838	chr10_129	sig	hyper
chr10	129960401	129960600	*	1.84E-115	1.71E-114	0.160809	chr10_129	sig	hyper
chr10	129962801	129963000	*	1.79E-45	7.27E-45	0.110354	chr10_129	sig	hyper
chr10	129965401	129965600	*	7.42E-102	5.96E-101	0.155215	chr10_129	sig	hyper
chr10	129965601	129965800	*	8.77E-40	3.26E-39	0.118438	chr10_129	sig	hyper
chr10	129966001	129966200	*	5.33E-68	2.92E-67	0.16352	chr10_129	sig	hyper
chr10	129968001	129968200	*	1.81E-102	1.47E-101	0.184601	chr10_129	sig	hyper
chr10	129969601	129969800	*	0	0	0.229007	chr10_129	sig	hyper
chr10	129969801	129970000	*	0	0	0.243237	chr10_129	sig	hyper
chr10	129971801	129972000	*	4.79E-63	2.46E-62	0.123744	chr10_129	sig	hyper
chr10	130046601	130046800	*	1.74E-166	2.73E-165	-0.17202	chr10_130	sig	hypo
chr10	131084601	131084800	*	2.84E-76	1.72E-75	-0.12548	chr10_131	sig	hypo
chr10	131240801	131241000	*	1.16E-20	2.88E-20	-0.10748	chr10_131	sig	hypo
chr10	131310601	131310800	*	3.49E-178	6.09E-177	0.309425	chr10_131	sig	hyper
chr10	131973201	131973400	*	2.06E-45	8.33E-45	-0.12366	chr10_131	sig	hypo
chr10	131980801	131981000	*	2.04E-76	1.24E-75	0.139758	chr10_131	sig	hyper
chr10	131981001	131981200	*	4.14E-210	9.89E-209	0.230449	chr10_131	sig	hyper
chr10	131981401	131981600	*	1.80E-218	4.60E-217	0.149501	chr10_131	sig	hyper
chr10	132037001	132037200	*	1.62E-97	1.24E-96	0.12957	chr10_132	sig	hyper
chr10	132037201	132037400	*	2.00E-62	1.02E-61	0.107795	chr10_132	sig	hyper
chr10	132045201	132045400	*	5.08E-13	9.93E-13	-0.10146	chr10_132	sig	hypo
chr10	132138001	132138200	*	5.36E-66	2.86E-65	-0.17427	chr10_132	sig	hypo
chr10	132141801	132142000	*	5.05E-39	1.85E-38	-0.11768	chr10_132	sig	hypo
chr10	132143201	132143400	*	4.68E-41	1.77E-40	-0.14487	chr10_132	sig	hypo
chr10	132146801	132147000	*	9.90E-49	4.22E-48	-0.10513	chr10_132	sig	hypo
chr10	132148201	132148400	*	6.25E-38	2.24E-37	-0.10905	chr10_132	sig	hypo
chr10	132203201	132203400	*	6.70E-51	2.94E-50	-0.12392	chr10_132	sig	hypo
chr10	132205201	132205400	*	9.32E-40	3.46E-39	-0.11206	chr10_132	sig	hypo
chr10	132221201	132221400	*	7.96E-44	3.16E-43	-0.11908	chr10_132	sig	hypo
chr10	132221801	132222000	*	3.38E-48	1.43E-47	-0.20648	chr10_132	sig	hypo
chr10	132226801	132227000	*	2.84E-188	5.49E-187	-0.23867	chr10_132	sig	hypo
chr10	132232001	132232200	*	7.47E-27	2.16E-26	-0.12402	chr10_132	sig	hypo
chr10	132248001	132248200	*	1.41E-157	2.02E-156	-0.19786	chr10_132	sig	hypo
chr10	132249001	132249200	*	5.16E-66	2.76E-65	-0.13214	chr10_132	sig	hypo
chr10	132274601	132274800	*	8.21E-74	4.80E-73	-0.10571	chr10_132	sig	hypo
chr10	132280801	132281000	*	1.12E-107	9.48E-107	-0.21662	chr10_132	sig	hypo
chr10	132294801	132295000	*	5.01E-56	2.35E-55	-0.15794	chr10_132	sig	hypo
chr10	132295001	132295200	*	7.48E-83	4.87E-82	-0.1762	chr10_132	sig	hypo
chr10	132296201	132296400	*	2.31E-193	4.67E-192	-0.23838	chr10_132	sig	hypo
chr10	132300001	132300200	*	2.50E-35	8.58E-35	-0.13233	chr10_132	sig	hypo
chr10	132301601	132301800	*	2.69E-55	1.26E-54	-0.11326	chr10_132	sig	hypo
chr10	132301801	132302000	*	4.06E-57	1.94E-56	-0.17396	chr10_132	sig	hypo
chr10	132373201	132373400	*	1.21E-60	6.05E-60	-0.18107	chr10_132	sig	hypo
chr10	132373401	132373600	*	1.72E-112	1.55E-111	-0.2398	chr10_132	sig	hypo
chr10	132375201	132375400	*	7.85E-271	3.27E-269	-0.19906	chr10_132	sig	hypo
chr10	132485001	132485200	*	3.26E-217	8.25E-216	-0.25189	chr10_132	sig	hypo
chr10	132487201	132487400	*	0.00E+00	1.19E-306	-0.28727	chr10_132	sig	hypo
chr10	132489601	132489800	*	3.60E-32	1.17E-31	-0.11871	chr10_132	sig	hypo

chr10	132503001	132503200	*	3.35E-41	1.27E-40	-0.13145	chr10_132	sig	hypo
chr10	132508801	132509000	*	8.83E-102	7.08E-101	-0.22175	chr10_132	sig	hypo
chr10	132527601	132527800	*	9.16E-43	3.57E-42	-0.11	chr10_132	sig	hypo
chr10	132591801	132592000	*	6.97E-101	5.53E-100	-0.22498	chr10_132	sig	hypo
chr10	132606601	132606800	*	1.42E-88	9.81E-88	0.109238	chr10_132	sig	hyper
chr10	132685801	132686000	*	2.62E-43	1.03E-42	-0.12698	chr10_132	sig	hypo
chr10	132701001	132701200	*	1.17E-175	2.00E-174	-0.1979	chr10_132	sig	hypo
chr10	132785001	132785200	*	4.41E-215	1.09E-213	0.257307	chr10_132	sig	hyper
chr10	132793801	132794000	*	2.96E-49	1.27E-48	-0.10077	chr10_132	sig	hypo
chr10	132796801	132797000	*	1.19E-43	4.71E-43	-0.10257	chr10_132	sig	hypo
chr10	132817001	132817200	*	5.08E-91	3.60E-90	-0.18936	chr10_132	sig	hypo
chr10	132817601	132817800	*	0	0	-0.30351	chr10_132	sig	hypo
chr10	132833601	132833800	*	1.93E-130	2.11E-129	-0.21455	chr10_132	sig	hypo
chr10	132845801	132846000	*	4.34E-29	1.32E-28	-0.11747	chr10_132	sig	hypo
chr10	132851401	132851600	*	2.95E-114	2.71E-113	-0.18561	chr10_132	sig	hypo
chr10	132851601	132851800	*	9.59E-274	4.10E-272	-0.31862	chr10_132	sig	hypo
chr10	132884201	132884400	*	3.28E-46	1.35E-45	-0.12147	chr10_132	sig	hypo
chr10	132885201	132885400	*	2.75E-58	1.33E-57	-0.11968	chr10_132	sig	hypo
chr10	132921001	132921200	*	7.72E-200	1.66E-198	-0.18774	chr10_132	sig	hypo
chr10	132938401	132938600	*	5.83E-84	3.85E-83	-0.19614	chr10_132	sig	hypo
chr10	132940801	132941000	*	7.40E-142	9.08E-141	-0.22092	chr10_132	sig	hypo
chr10	132942001	132942200	*	7.07E-44	2.81E-43	0.109571	chr10_132	sig	hyper
chr10	132943001	132943200	*	7.08E-145	8.98E-144	0.269557	chr10_132	sig	hyper
chr10	132961201	132961400	*	1.02E-16	2.25E-16	-0.1038	chr10_132	sig	hypo
chr10	132979601	132979800	*	9.65E-27	2.79E-26	-0.10887	chr10_132	sig	hypo
chr10	132996601	132996800	*	6.34E-30	1.96E-29	-0.11552	chr10_132	sig	hypo
chr10	133023201	133023400	*	3.18E-59	1.56E-58	-0.10505	chr10_133	sig	hypo
chr10	133029601	133029800	*	2.26E-27	6.60E-27	-0.11983	chr10_133	sig	hypo
chr10	133030801	133031000	*	2.36E-44	9.42E-44	0.101761	chr10_133	sig	hyper
chr10	133031001	133031200	*	2.54E-57	1.21E-56	0.150215	chr10_133	sig	hyper
chr10	133044601	133044800	*	4.33E-31	1.37E-30	-0.13843	chr10_133	sig	hypo
chr10	133045201	133045400	*	1.06E-61	5.35E-61	-0.1228	chr10_133	sig	hypo
chr10	133046401	133046600	*	1.13E-98	8.77E-98	-0.18012	chr10_133	sig	hypo
chr10	133047401	133047600	*	2.85E-49	1.23E-48	-0.15522	chr10_133	sig	hypo
chr10	133071001	133071200	*	1.91E-167	3.02E-166	-0.25368	chr10_133	sig	hypo
chr10	133084801	133085000	*	6.34E-48	2.67E-47	-0.1181	chr10_133	sig	hypo
chr10	133085001	133085200	*	1.37E-39	5.07E-39	-0.13104	chr10_133	sig	hypo
chr10	133087601	133087800	*	2.65E-236	8.21E-235	0.161213	chr10_133	sig	hyper
chr10	133091801	133092000	*	3.72E-29	1.13E-28	-0.11171	chr10_133	sig	hypo
chr10	133097201	133097400	*	4.15E-26	1.18E-25	-0.10874	chr10_133	sig	hypo
chr10	133098801	133099000	*	4.71E-37	1.67E-36	-0.1418	chr10_133	sig	hypo
chr10	133100201	133100400	*	4.50E-60	2.23E-59	-0.1135	chr10_133	sig	hypo
chr10	133106801	133107000	*	2.18E-69	1.21E-68	-0.10248	chr10_133	sig	hypo
chr10	133114601	133114800	*	1.49E-53	6.80E-53	-0.10561	chr10_133	sig	hypo
chr10	133124601	133124800	*	7.28E-19	1.72E-18	-0.10924	chr10_133	sig	hypo
chr10	133158001	133158200	*	1.59E-45	6.45E-45	-0.17226	chr10_133	sig	hypo
chr10	133164601	133164800	*	9.31E-71	5.27E-70	-0.21581	chr10_133	sig	hypo
chr10	133165601	133165800	*	8.91E-80	5.60E-79	-0.19484	chr10_133	sig	hypo
chr10	133197001	133197200	*	4.18E-19	9.92E-19	-0.11441	chr10_133	sig	hypo
chr10	133217001	133217200	*	1.75E-56	8.25E-56	-0.12702	chr10_133	sig	hypo
chr10	133226401	133226600	*	1.24E-66	6.68E-66	-0.18695	chr10_133	sig	hypo
chr10	133226601	133226800	*	1.03E-50	4.52E-50	-0.13138	chr10_133	sig	hypo
chr10	133230001	133230200	*	6.87E-273	2.91E-271	0.258325	chr10_133	sig	hyper
chr10	133230401	133230600	*	9.44E-60	4.66E-59	0.100306	chr10_133	sig	hyper
chr10	133231201	133231400	*	1.26E-157	1.81E-156	0.225209	chr10_133	sig	hyper
chr10	133310201	133310400	*	3.29E-78	2.03E-77	-0.22522	chr10_133	sig	hypo

chr10	133365201	133365400	*	2.43E-63	1.25E-62	-0.19006	chr10_133	sig	hypo
chr10	133389201	133389400	*	5.10E-28	1.51E-27	0.110724	chr10_133	sig	hyper
chr10	133528001	133528200	*	3.63E-115	3.36E-114	0.21669	chr10_133	sig	hyper
chr10	133529601	133529800	*	4.89E-142	6.01E-141	0.15295	chr10_133	sig	hyper
chr10	133569801	133570000	*	1.16E-81	7.45E-81	0.152594	chr10_133	sig	hyper
chr10	133622801	133623000	*	7.61E-57	3.62E-56	0.200004	chr10_133	sig	hyper
chr11	259401	259600	*	2.53E-10	4.42E-10	-0.10163	chr11_259	sig	hypo
chr11	268801	269000	*	2.83E-139	3.38E-138	-0.13075	chr11_268	sig	hypo
chr11	269201	269400	*	1.30E-85	8.68E-85	-0.20166	chr11_269	sig	hypo
chr11	278401	278600	*	9.33E-145	1.18E-143	-0.25012	chr11_278	sig	hypo
chr11	296601	296800	*	1.19E-34	4.04E-34	-0.10816	chr11_296	sig	hypo
chr11	298601	298800	*	3.95E-41	1.50E-40	-0.10483	chr11_298	sig	hypo
chr11	299401	299600	*	6.03E-25	1.67E-24	-0.11115	chr11_299	sig	hypo
chr11	351001	351200	*	1.04E-25	2.94E-25	-0.13813	chr11_351	sig	hypo
chr11	415401	415600	*	6.42E-53	2.89E-52	-0.11781	chr11_415	sig	hypo
chr11	486001	486200	*	2.41E-25	6.74E-25	-0.1405	chr11_486	sig	hypo
chr11	493001	493200	*	4.13E-142	5.09E-141	-0.22439	chr11_493	sig	hypo
chr11	504801	505000	*	0	0	0.288697	chr11_504	sig	hyper
chr11	507801	508000	*	1.44E-37	5.14E-37	0.10788	chr11_507	sig	hyper
chr11	521001	521200	*	3.67E-183	6.67E-182	-0.24354	chr11_521	sig	hypo
chr11	526201	526400	*	0	0	-0.31842	chr11_526	sig	hypo
chr11	529001	529200	*	1.85E-60	9.22E-60	-0.17292	chr11_529	sig	hypo
chr11	606401	606600	*	1.54E-30	4.82E-30	-0.11027	chr11_606	sig	hypo
chr11	614601	614800	*	0	0	-0.39026	chr11_614	sig	hypo
chr11	614801	615000	*	2.68E-191	5.35E-190	-0.28435	chr11_614	sig	hypo
chr11	624401	624600	*	6.25E-48	2.63E-47	-0.1234	chr11_624	sig	hypo
chr11	637401	637600	*	3.13E-58	1.51E-57	0.18859	chr11_637	sig	hyper
chr11	655401	655600	*	5.75E-46	2.35E-45	-0.11072	chr11_655	sig	hypo
chr11	733201	733400	*	6.36E-134	7.23E-133	-0.23037	chr11_733	sig	hypo
chr11	737801	738000	*	8.38E-70	4.70E-69	-0.23343	chr11_737	sig	hypo
chr11	755601	755800	*	4.49E-27	1.31E-26	-0.11832	chr11_755	sig	hypo
chr11	763401	763600	*	1.01E-35	3.49E-35	-0.15331	chr11_763	sig	hypo
chr11	829001	829200	*	1.15E-119	1.12E-118	-0.22694	chr11_829	sig	hypo
chr11	856801	857000	*	6.15E-141	7.47E-140	-0.18395	chr11_856	sig	hypo
chr11	857001	857200	*	2.25E-84	1.49E-83	-0.15515	chr11_857	sig	hypo
chr11	862601	862800	*	1.42E-125	1.48E-124	-0.19677	chr11_862	sig	hypo
chr11	865601	865800	*	1.16E-74	6.88E-74	-0.16663	chr11_865	sig	hypo
chr11	865801	866000	*	7.63E-94	5.58E-93	-0.22227	chr11_865	sig	hypo
chr11	915201	915400	*	9.46E-58	4.55E-57	-0.13936	chr11_915	sig	hypo
chr11	1025001	1025200	*	3.21E-58	1.55E-57	-0.14387	chr11_102	sig	hypo
chr11	1025801	1026000	*	1.63E-180	2.90E-179	-0.21091	chr11_102	sig	hypo
chr11	1026001	1026200	*	3.13E-97	2.37E-96	-0.28015	chr11_102	sig	hypo
chr11	1028201	1028400	*	1.46E-92	1.05E-91	-0.14787	chr11_102	sig	hypo
chr11	1033001	1033200	*	4.12E-62	2.09E-61	-0.10549	chr11_103	sig	hypo
chr11	1036601	1036800	*	4.46E-65	2.35E-64	-0.13119	chr11_103	sig	hypo
chr11	1040201	1040400	*	4.69E-148	6.15E-147	-0.27798	chr11_104	sig	hypo
chr11	1043801	1044000	*	9.89E-120	9.63E-119	-0.18355	chr11_104	sig	hypo
chr11	1047601	1047800	*	6.83E-150	9.11E-149	-0.18304	chr11_104	sig	hypo
chr11	1048401	1048600	*	1.81E-126	1.90E-125	-0.23706	chr11_104	sig	hypo
chr11	1048601	1048800	*	6.90E-147	8.95E-146	-0.26087	chr11_104	sig	hypo
chr11	1075601	1075800	*	0	0	-0.36484	chr11_107	sig	hypo
chr11	1085001	1085200	*	1.27E-52	5.70E-52	-0.14471	chr11_108	sig	hypo
chr11	1085201	1085400	*	4.53E-199	9.63E-198	-0.19875	chr11_108	sig	hypo
chr11	1086201	1086400	*	1.41E-134	1.61E-133	-0.23556	chr11_108	sig	hypo
chr11	1086801	1087000	*	3.91E-36	1.36E-35	-0.12009	chr11_108	sig	hypo
chr11	1113801	1114000	*	0	0	-0.28544	chr11_111	sig	hypo

chr11	1114001	1114200	*	0	0	-0.32576	chr11_111	sig	hypo
chr11	1149601	1149800	*	4.54E-63	2.33E-62	-0.19742	chr11_114	sig	hypo
chr11	1152401	1152600	*	4.78E-276	2.08E-274	-0.33895	chr11_115	sig	hypo
chr11	1203601	1203800	*	6.74E-45	2.71E-44	-0.13106	chr11_120	sig	hypo
chr11	1207601	1207800	*	9.59E-116	8.96E-115	-0.15457	chr11_120	sig	hypo
chr11	1208601	1208800	*	8.46E-79	5.27E-78	-0.20554	chr11_120	sig	hypo
chr11	1217001	1217200	*	6.09E-62	3.08E-61	-0.12961	chr11_121	sig	hypo
chr11	1310401	1310600	*	5.06E-22	1.30E-21	-0.10864	chr11_131	sig	hypo
chr11	1338801	1339000	*	3.78E-108	3.23E-107	-0.23728	chr11_133	sig	hypo
chr11	1339001	1339200	*	2.87E-187	5.47E-186	-0.18851	chr11_133	sig	hypo
chr11	1343801	1344000	*	3.07E-107	2.59E-106	-0.18634	chr11_134	sig	hypo
chr11	1344201	1344400	*	3.39E-123	3.43E-122	-0.15761	chr11_134	sig	hypo
chr11	1351401	1351600	*	4.22E-41	1.60E-40	-0.14337	chr11_135	sig	hypo
chr11	1373601	1373800	*	1.10E-30	3.47E-30	-0.1583	chr11_137	sig	hypo
chr11	1392001	1392200	*	1.52E-51	6.71E-51	-0.13478	chr11_139	sig	hypo
chr11	1434201	1434400	*	7.23E-37	2.55E-36	-0.12362	chr11_143	sig	hypo
chr11	1438201	1438400	*	8.24E-47	3.41E-46	-0.14119	chr11_143	sig	hypo
chr11	1439001	1439200	*	1.11E-40	4.19E-40	-0.10745	chr11_143	sig	hypo
chr11	1558001	1558200	*	2.01E-105	1.68E-104	0.16649	chr11_155	sig	hyper
chr11	1628601	1628800	*	2.89E-67	1.57E-66	-0.15844	chr11_162	sig	hypo
chr11	1639801	1640000	*	1.51E-48	6.43E-48	-0.13028	chr11_163	sig	hypo
chr11	1644001	1644200	*	7.72E-33	2.54E-32	-0.10877	chr11_164	sig	hypo
chr11	1668201	1668400	*	1.63E-74	9.65E-74	-0.19093	chr11_166	sig	hypo
chr11	1683201	1683400	*	2.33E-44	9.29E-44	-0.14594	chr11_168	sig	hypo
chr11	1743801	1744000	*	7.02E-13	1.36E-12	-0.11723	chr11_174	sig	hypo
chr11	1827401	1827600	*	3.69E-39	1.36E-38	-0.10181	chr11_182	sig	hypo
chr11	1849801	1850000	*	1.04E-41	3.97E-41	-0.13733	chr11_184	sig	hypo
chr11	1869601	1869800	*	2.28E-38	8.26E-38	-0.18136	chr11_186	sig	hypo
chr11	1872201	1872400	*	8.52E-73	4.93E-72	-0.21217	chr11_187	sig	hypo
chr11	1881801	1882000	*	7.09E-39	2.59E-38	-0.12662	chr11_188	sig	hypo
chr11	1882001	1882200	*	2.89E-68	1.59E-67	-0.16984	chr11_188	sig	hypo
chr11	1918201	1918400	*	1.43E-74	8.46E-74	-0.21427	chr11_191	sig	hypo
chr11	1918401	1918600	*	5.75E-40	2.14E-39	-0.17774	chr11_191	sig	hypo
chr11	1926401	1926600	*	1.35E-87	9.18E-87	-0.17512	chr11_192	sig	hypo
chr11	1927601	1927800	*	2.46E-140	2.98E-139	-0.23214	chr11_192	sig	hypo
chr11	1931401	1931600	*	1.24E-72	7.14E-72	-0.1508	chr11_193	sig	hypo
chr11	1936201	1936400	*	4.54E-81	2.90E-80	-0.15481	chr11_193	sig	hypo
chr11	1943801	1944000	*	1.49E-34	5.05E-34	-0.1588	chr11_194	sig	hypo
chr11	2121601	2121800	*	4.54E-26	1.29E-25	-0.14376	chr11_212	sig	hypo
chr11	2135001	2135200	*	3.64E-50	1.58E-49	-0.14274	chr11_213	sig	hypo
chr11	2140201	2140400	*	2.10E-97	1.60E-96	0.127538	chr11_214	sig	hyper
chr11	2140601	2140800	*	1.49E-287	7.25E-286	0.226936	chr11_214	sig	hyper
chr11	2140801	2141000	*	3.28E-151	4.43E-150	0.246909	chr11_214	sig	hyper
chr11	2141001	2141200	*	7.04E-120	6.87E-119	0.194723	chr11_214	sig	hyper
chr11	2141201	2141400	*	3.73E-57	1.78E-56	0.161723	chr11_214	sig	hyper
chr11	2143401	2143600	*	5.24E-25	1.45E-24	0.106066	chr11_214	sig	hyper
chr11	2144201	2144400	*	1.56E-58	7.58E-58	0.10319	chr11_214	sig	hyper
chr11	2144401	2144600	*	1.98E-99	1.54E-98	0.147837	chr11_214	sig	hyper
chr11	2155601	2155800	*	1.91E-147	2.49E-146	-0.19638	chr11_215	sig	hypo
chr11	2160201	2160400	*	8.52E-55	3.95E-54	-0.13342	chr11_216	sig	hypo
chr11	2166801	2167000	*	1.34E-46	5.54E-46	-0.15305	chr11_216	sig	hypo
chr11	2168401	2168600	*	8.01E-49	3.42E-48	-0.10007	chr11_216	sig	hypo
chr11	2168801	2169000	*	6.62E-101	5.25E-100	-0.21071	chr11_216	sig	hypo
chr11	2188801	2189000	*	2.59E-114	2.38E-113	-0.10504	chr11_218	sig	hypo
chr11	2189001	2189200	*	5.09E-32	1.65E-31	-0.1041	chr11_218	sig	hypo
chr11	2190401	2190600	*	1.16E-72	6.72E-72	-0.1491	chr11_219	sig	hypo

chr11	2190601	2190800	*	8.12E-76	4.88E-75	-0.12972	chr11_219	sig	hypo
chr11	2190801	2191000	*	1.08E-74	6.41E-74	-0.14914	chr11_219	sig	hypo
chr11	2293801	2294000	*	1.86E-25	5.22E-25	-0.10268	chr11_229	sig	hypo
chr11	2300601	2300800	*	9.74E-42	3.73E-41	-0.12385	chr11_230	sig	hypo
chr11	2301201	2301400	*	2.12E-55	9.88E-55	-0.18402	chr11_230	sig	hypo
chr11	2301401	2301600	*	2.09E-62	1.07E-61	-0.1375	chr11_230	sig	hypo
chr11	2301601	2301800	*	2.98E-64	1.55E-63	-0.23751	chr11_230	sig	hypo
chr11	2302001	2302200	*	2.44E-60	1.21E-59	-0.15666	chr11_230	sig	hypo
chr11	2302601	2302800	*	5.34E-54	2.44E-53	-0.18234	chr11_230	sig	hypo
chr11	2335401	2335600	*	3.95E-39	1.45E-38	-0.11185	chr11_233	sig	hypo
chr11	2376201	2376400	*	4.28E-46	1.76E-45	-0.13008	chr11_237	sig	hypo
chr11	2376401	2376600	*	8.86E-56	4.15E-55	-0.15795	chr11_237	sig	hypo
chr11	2415001	2415200	*	3.20E-41	1.22E-40	-0.11793	chr11_241	sig	hypo
chr11	2416801	2417000	*	4.58E-111	4.05E-110	-0.15466	chr11_241	sig	hypo
chr11	2422801	2423000	*	6.73E-26	1.91E-25	-0.16998	chr11_242	sig	hypo
chr11	2423201	2423400	*	2.61E-36	9.11E-36	-0.12663	chr11_242	sig	hypo
chr11	2423601	2423800	*	1.46E-68	8.05E-68	-0.13817	chr11_242	sig	hypo
chr11	2527601	2527800	*	7.78E-68	4.25E-67	-0.13295	chr11_252	sig	hypo
chr11	2699801	2700000	*	1.85E-26	5.30E-26	0.102807	chr11_269	sig	hyper
chr11	2708801	2709000	*	1.04E-34	3.53E-34	0.100122	chr11_270	sig	hyper
chr11	2732601	2732800	*	2.45E-141	2.99E-140	-0.17146	chr11_273	sig	hypo
chr11	2807001	2807200	*	3.50E-26	9.99E-26	-0.10846	chr11_280	sig	hypo
chr11	2826201	2826400	*	7.25E-46	2.96E-45	0.165188	chr11_282	sig	hyper
chr11	2826401	2826600	*	2.16E-90	1.52E-89	0.147213	chr11_282	sig	hyper
chr11	2868201	2868400	*	3.00E-61	1.50E-60	-0.16668	chr11_286	sig	hypo
chr11	2869201	2869400	*	1.90E-205	4.38E-204	0.173419	chr11_286	sig	hyper
chr11	2869401	2869600	*	6.32E-191	1.26E-189	0.180967	chr11_286	sig	hyper
chr11	2995201	2995400	*	9.89E-34	3.31E-33	-0.11731	chr11_299	sig	hypo
chr11	3050001	3050200	*	6.77E-50	2.93E-49	-0.12396	chr11_305	sig	hypo
chr11	3052201	3052400	*	6.96E-27	2.01E-26	0.105145	chr11_305	sig	hyper
chr11	3123401	3123600	*	3.30E-78	2.04E-77	-0.13205	chr11_312	sig	hypo
chr11	3218601	3218800	*	1.41E-113	1.29E-112	-0.15678	chr11_321	sig	hypo
chr11	3223201	3223400	*	1.87E-48	7.95E-48	-0.12991	chr11_322	sig	hypo
chr11	3435201	3435400	*	2.81E-110	2.46E-109	-0.22452	chr11_343	sig	hypo
chr11	3660001	3660200	*	5.48E-16	1.19E-15	-0.10104	chr11_366	sig	hypo
chr11	3989201	3989400	*	5.08E-46	2.08E-45	0.110899	chr11_398	sig	hyper
chr11	3989401	3989600	*	5.53E-230	1.61E-228	0.146127	chr11_398	sig	hyper
chr11	4212201	4212400	*	7.05E-94	5.16E-93	0.213853	chr11_421	sig	hyper
chr11	5938601	5938800	*	1.36E-89	9.51E-89	0.145958	chr11_593	sig	hyper
chr11	7251801	7252000	*	2.80E-53	1.27E-52	0.126634	chr11_725	sig	hyper
chr11	7252801	7253000	*	3.40E-109	2.95E-108	0.243867	chr11_725	sig	hyper
chr11	8018801	8019000	*	1.25E-105	1.04E-104	0.178111	chr11_801	sig	hyper
chr11	8019001	8019200	*	1.18E-85	7.91E-85	0.122123	chr11_801	sig	hyper
chr11	8168601	8168800	*	3.26E-302	1.83E-300	0.325016	chr11_816	sig	hyper
chr11	8168801	8169000	*	1.15E-194	2.35E-193	0.259239	chr11_816	sig	hyper
chr11	8169001	8169200	*	0	0	0.227601	chr11_816	sig	hyper
chr11	8262801	8263000	*	3.47E-49	1.49E-48	0.126374	chr11_826	sig	hyper
chr11	8263401	8263600	*	1.78E-44	7.13E-44	0.105712	chr11_826	sig	hyper
chr11	8268001	8268200	*	8.76E-35	2.99E-34	0.102209	chr11_826	sig	hyper
chr11	9090801	9091000	*	2.09E-14	4.28E-14	0.106399	chr11_909	sig	hyper
chr11	10729201	10729400	*	7.30E-58	3.52E-57	0.135269	chr11_107	sig	hyper
chr11	14259201	14259400	*	7.53E-85	5.01E-84	-0.12524	chr11_142	sig	hypo
chr11	14643001	14643200	*	2.39E-36	8.37E-36	-0.1002	chr11_146	sig	hypo
chr11	14904801	14905000	*	2.68E-69	1.49E-68	0.216702	chr11_149	sig	hyper
chr11	14905401	14905600	*	8.73E-104	7.15E-103	0.265524	chr11_149	sig	hyper
chr11	14905801	14906000	*	1.17E-18	2.75E-18	0.111789	chr11_149	sig	hyper

chr11	15114401	15114600	*	7.03E-86	4.71E-85	0.199147	chr11_151	sig	hyper
chr11	15114801	15115000	*	2.03E-114	1.87E-113	0.169202	chr11_151	sig	hyper
chr11	15938001	15938200	*	2.71E-153	3.72E-152	-0.22826	chr11_159	sig	hypo
chr11	16611001	16611200	*	1.42E-109	1.23E-108	0.156216	chr11_166	sig	hyper
chr11	17547201	17547400	*	1.53E-36	5.39E-36	-0.10735	chr11_175	sig	hypo
chr11	17720801	17721000	*	5.45E-120	5.33E-119	0.320302	chr11_177	sig	hyper
chr11	17722001	17722200	*	1.75E-221	4.64E-220	0.18588	chr11_177	sig	hyper
chr11	18209201	18209400	*	1.66E-70	9.35E-70	0.193073	chr11_182	sig	hyper
chr11	18412201	18412400	*	7.96E-62	4.02E-61	0.127752	chr11_184	sig	hyper
chr11	18728601	18728800	*	1.70E-45	6.89E-45	-0.1433	chr11_187	sig	hypo
chr11	18791001	18791200	*	2.77E-94	2.03E-93	0.305063	chr11_187	sig	hyper
chr11	18792401	18792600	*	5.05E-88	3.47E-87	0.186043	chr11_187	sig	hyper
chr11	19345801	19346000	*	2.07E-39	7.62E-39	0.106883	chr11_193	sig	hyper
chr11	19346001	19346200	*	3.90E-211	9.39E-210	0.230165	chr11_193	sig	hyper
chr11	19346601	19346800	*	9.15E-55	4.24E-54	0.103457	chr11_193	sig	hyper
chr11	20158801	20159000	*	2.09E-53	9.49E-53	0.111302	chr11_201	sig	hyper
chr11	20160401	20160600	*	2.28E-212	5.53E-211	0.241709	chr11_201	sig	hyper
chr11	20160601	20160800	*	8.38E-165	1.29E-163	0.227695	chr11_201	sig	hyper
chr11	20162601	20162800	*	2.69E-32	8.78E-32	0.190254	chr11_201	sig	hyper
chr11	20163001	20163200	*	1.30E-158	1.88E-157	0.206031	chr11_201	sig	hyper
chr11	20163401	20163600	*	1.87E-112	1.67E-111	0.249399	chr11_201	sig	hyper
chr11	20163601	20163800	*	4.44E-123	4.48E-122	0.195126	chr11_201	sig	hyper
chr11	20208401	20208600	*	4.97E-69	2.76E-68	0.20453	chr11_202	sig	hyper
chr11	20208601	20208800	*	3.25E-62	1.65E-61	0.181693	chr11_202	sig	hyper
chr11	20596401	20596600	*	1.32E-56	6.26E-56	0.172153	chr11_205	sig	hyper
chr11	20596601	20596800	*	1.91E-188	3.70E-187	0.235499	chr11_205	sig	hyper
chr11	20597401	20597600	*	2.57E-170	4.20E-169	0.25726	chr11_205	sig	hyper
chr11	20598601	20598800	*	1.61E-55	7.53E-55	0.186708	chr11_205	sig	hyper
chr11	20601001	20601200	*	1.66E-199	3.56E-198	0.237508	chr11_206	sig	hyper
chr11	20601601	20601800	*	5.32E-209	1.26E-207	0.278831	chr11_206	sig	hyper
chr11	20605401	20605600	*	2.01E-34	6.82E-34	0.14212	chr11_206	sig	hyper
chr11	20669201	20669400	*	0.00E+00	0.00E+00	0.353507	chr11_206	sig	hyper
chr11	20669801	20670000	*	1.16E-180	2.06E-179	0.366843	chr11_206	sig	hyper
chr11	20671201	20671400	*	3.23E-118	3.10E-117	0.20336	chr11_206	sig	hyper
chr11	22193601	22193800	*	1.42E-72	8.17E-72	0.158946	chr11_221	sig	hyper
chr11	22193801	22194000	*	9.43E-133	1.05E-131	0.222913	chr11_221	sig	hyper
chr11	22342801	22343000	*	3.45E-33	1.14E-32	0.121181	chr11_223	sig	hyper
chr11	22343201	22343400	*	9.85E-100	7.70E-99	0.140185	chr11_223	sig	hyper
chr11	22432601	22432800	*	4.63E-143	5.75E-142	0.247924	chr11_224	sig	hyper
chr11	22432801	22433000	*	0.00E+00	0.00E+00	0.298468	chr11_224	sig	hyper
chr11	22433001	22433200	*	1.75E-172	2.93E-171	0.293098	chr11_224	sig	hyper
chr11	24496601	24496800	*	1.96E-237	6.16E-236	0.231411	chr11_244	sig	hyper
chr11	27720401	27720600	*	1.01E-101	8.12E-101	0.232812	chr11_277	sig	hyper
chr11	27721201	27721400	*	5.89E-32	1.90E-31	0.125989	chr11_277	sig	hyper
chr11	27721601	27721800	*	3.77E-141	4.59E-140	0.191546	chr11_277	sig	hyper
chr11	27721801	27722000	*	6.76E-149	8.95E-148	0.153317	chr11_277	sig	hyper
chr11	27722001	27722200	*	8.31E-78	5.10E-77	0.12733	chr11_277	sig	hyper
chr11	27722801	27723000	*	5.78E-73	3.35E-72	0.113624	chr11_277	sig	hyper
chr11	30016001	30016200	*	1.91E-142	2.36E-141	0.287893	chr11_300	sig	hyper
chr11	30016201	30016400	*	1.50E-203	3.36E-202	0.266483	chr11_300	sig	hyper
chr11	30017401	30017600	*	1.06E-113	9.69E-113	0.298154	chr11_300	sig	hyper
chr11	30018601	30018800	*	3.39E-56	1.60E-55	0.169423	chr11_300	sig	hyper
chr11	30584601	30584800	*	6.89E-124	7.03E-123	0.229625	chr11_305	sig	hyper
chr11	30586201	30586400	*	1.14E-51	5.07E-51	0.103689	chr11_305	sig	hyper
chr11	31796201	31796400	*	2.45E-52	1.10E-51	0.110292	chr11_317	sig	hyper
chr11	31796801	31797000	*	4.80E-57	2.29E-56	0.209988	chr11_317	sig	hyper

chr11	31797201	31797400	*	4.79E-43	1.88E-42	0.170149	chr11_317	sig	hyper
chr11	31797801	31798000	*	8.14E-106	6.82E-105	0.152115	chr11_317	sig	hyper
chr11	31798001	31798200	*	7.94E-29	2.40E-28	0.143221	chr11_317	sig	hyper
chr11	31799001	31799200	*	2.95E-117	2.80E-116	0.219819	chr11_317	sig	hyper
chr11	31799401	31799600	*	4.06E-122	4.06E-121	0.234601	chr11_317	sig	hyper
chr11	31799601	31799800	*	1.13E-227	3.22E-226	0.342624	chr11_317	sig	hyper
chr11	31799801	31800000	*	1.64E-167	2.59E-166	0.256313	chr11_317	sig	hyper
chr11	31800601	31800800	*	4.36E-94	3.19E-93	0.142527	chr11_318	sig	hyper
chr11	31801601	31801800	*	4.85E-165	7.49E-164	0.202916	chr11_318	sig	hyper
chr11	31802601	31802800	*	8.07E-115	7.45E-114	0.266895	chr11_318	sig	hyper
chr11	31803401	31803600	*	1.14E-46	4.70E-46	0.145984	chr11_318	sig	hyper
chr11	31803601	31803800	*	6.75E-115	6.24E-114	0.136917	chr11_318	sig	hyper
chr11	31804201	31804400	*	8.37E-144	1.05E-142	0.227705	chr11_318	sig	hyper
chr11	31804801	31805000	*	7.24E-90	5.07E-89	0.232725	chr11_318	sig	hyper
chr11	31805401	31805600	*	9.32E-123	9.39E-122	0.185283	chr11_318	sig	hyper
chr11	31806401	31806600	*	1.74E-88	1.20E-87	0.142535	chr11_318	sig	hyper
chr11	31815801	31816000	*	5.29E-188	1.02E-186	0.20101	chr11_318	sig	hyper
chr11	31818201	31818400	*	7.65E-76	4.60E-75	0.192416	chr11_318	sig	hyper
chr11	31823801	31824000	*	5.29E-74	3.10E-73	0.155328	chr11_318	sig	hyper
chr11	31824801	31825000	*	6.80E-38	2.44E-37	0.139354	chr11_318	sig	hyper
chr11	31825201	31825400	*	1.32E-265	5.32E-264	0.239644	chr11_318	sig	hyper
chr11	31987201	31987400	*	1.49E-21	3.77E-21	0.105329	chr11_319	sig	hyper
chr11	32426401	32426600	*	2.45E-39	9.03E-39	0.149772	chr11_324	sig	hyper
chr11	32426601	32426800	*	2.98E-14	6.09E-14	0.122534	chr11_324	sig	hyper
chr11	32427601	32427800	*	5.87E-150	7.84E-149	0.252948	chr11_324	sig	hyper
chr11	32427801	32428000	*	4.66E-149	6.19E-148	0.30328	chr11_324	sig	hyper
chr11	32428201	32428400	*	1.60E-157	2.29E-156	0.296449	chr11_324	sig	hyper
chr11	32428401	32428600	*	8.35E-174	1.41E-172	0.24997	chr11_324	sig	hyper
chr11	32428801	32429000	*	4.06E-61	2.03E-60	0.214387	chr11_324	sig	hyper
chr11	32429001	32429200	*	7.77E-277	3.42E-275	0.251636	chr11_324	sig	hyper
chr11	32429801	32430000	*	2.26E-19	5.42E-19	0.127774	chr11_324	sig	hyper
chr11	32431001	32431200	*	7.11E-108	6.06E-107	0.224267	chr11_324	sig	hyper
chr11	32431201	32431400	*	5.01E-101	3.98E-100	0.184132	chr11_324	sig	hyper
chr11	32433201	32433400	*	2.72E-174	4.60E-173	0.209024	chr11_324	sig	hyper
chr11	32433401	32433600	*	1.69E-144	2.14E-143	0.177698	chr11_324	sig	hyper
chr11	32433801	32434000	*	1.04E-134	1.20E-133	0.287648	chr11_324	sig	hyper
chr11	32434201	32434400	*	8.70E-127	9.15E-126	0.274511	chr11_324	sig	hyper
chr11	32434601	32434800	*	7.41E-34	2.48E-33	0.103854	chr11_324	sig	hyper
chr11	32436201	32436400	*	2.36E-134	2.70E-133	0.185814	chr11_324	sig	hyper
chr11	32437001	32437200	*	1.21E-265	4.86E-264	0.263842	chr11_324	sig	hyper
chr11	32438001	32438200	*	8.33E-227	2.34E-225	0.264284	chr11_324	sig	hyper
chr11	32439001	32439200	*	0	0	0.209045	chr11_324	sig	hyper
chr11	32439201	32439400	*	3.33E-173	5.58E-172	0.196969	chr11_324	sig	hyper
chr11	33828801	33829000	*	3.15E-41	1.20E-40	0.163926	chr11_338	sig	hyper
chr11	40293801	40294000	*	0.00E+00	0.00E+00	0.250748	chr11_402	sig	hyper
chr11	43577401	43577600	*	4.11E-38	1.48E-37	0.141245	chr11_435	sig	hyper
chr11	43581201	43581400	*	9.60E-264	3.81E-262	0.262298	chr11_435	sig	hyper
chr11	43582601	43582800	*	1.96E-57	9.38E-57	0.175188	chr11_435	sig	hyper
chr11	44304601	44304800	*	3.80E-72	2.18E-71	0.13326	chr11_443	sig	hyper
chr11	44309201	44309400	*	2.72E-203	6.10E-202	0.155336	chr11_443	sig	hyper
chr11	44309401	44309600	*	8.71E-109	7.50E-108	0.138119	chr11_443	sig	hyper
chr11	44310401	44310600	*	2.52E-64	1.32E-63	0.138565	chr11_443	sig	hyper
chr11	44310801	44311000	*	2.39E-66	1.28E-65	0.176051	chr11_443	sig	hyper
chr11	44311001	44311200	*	1.32E-295	6.96E-294	0.250253	chr11_443	sig	hyper
chr11	44311201	44311400	*	7.75E-129	8.33E-128	0.206898	chr11_443	sig	hyper
chr11	44311401	44311600	*	3.25E-231	9.58E-230	0.24858	chr11_443	sig	hyper

chr11	44316601	44316800	*	2.98E-81	1.91E-80	0.120631	chr11_443	sig	hyper
chr11	45355401	45355600	*	2.64E-129	2.86E-128	0.162515	chr11_453	sig	hyper
chr11	46295801	46296000	*	9.24E-50	4.00E-49	0.188749	chr11_462	sig	hyper
chr11	46361401	46361600	*	9.47E-60	4.67E-59	0.156713	chr11_463	sig	hyper
chr11	46379401	46379600	*	9.21E-54	4.20E-53	-0.17041	chr11_463	sig	hypo
chr11	47337401	47337600	*	0	0	-0.34256	chr11_473	sig	hypo
chr11	47337601	47337800	*	1.93E-231	5.73E-230	-0.3023	chr11_473	sig	hypo
chr11	47449001	47449200	*	4.39E-56	2.06E-55	-0.16371	chr11_474	sig	hypo
chr11	57426601	57426800	*	9.33E-64	4.82E-63	0.1894	chr11_574	sig	hyper
chr11	57477601	57477800	*	1.73E-24	4.75E-24	-0.14971	chr11_574	sig	hypo
chr11	57597401	57597600	*	4.56E-19	1.08E-18	-0.10982	chr11_575	sig	hypo
chr11	57647001	57647200	*	6.50E-161	9.61E-160	0.158838	chr11_576	sig	hyper
chr11	58830601	58830800	*	2.67E-50	1.16E-49	0.174914	chr11_588	sig	hyper
chr11	58900401	58900600	*	1.26E-23	3.37E-23	0.101869	chr11_589	sig	hyper
chr11	59062601	59062800	*	4.69E-37	1.66E-36	0.117815	chr11_590	sig	hyper
chr11	59555801	59556000	*	1.48E-109	1.29E-108	0.139101	chr11_595	sig	hyper
chr11	59556001	59556200	*	2.97E-44	1.19E-43	0.162829	chr11_595	sig	hyper
chr11	59809801	59810000	*	7.27E-35	2.48E-34	-0.15144	chr11_598	sig	hypo
chr11	60757001	60757200	*	3.26E-37	1.16E-36	-0.10663	chr11_607	sig	hypo
chr11	60852401	60852600	*	2.21E-43	8.68E-43	-0.10156	chr11_608	sig	hypo
chr11	60951001	60951200	*	5.39E-116	5.05E-115	0.187577	chr11_609	sig	hyper
chr11	60951201	60951400	*	4.90E-138	5.79E-137	0.162054	chr11_609	sig	hyper
chr11	61392001	61392200	*	4.92E-32	1.60E-31	-0.10848	chr11_613	sig	hypo
chr11	61534601	61534800	*	8.20E-40	3.05E-39	-0.10453	chr11_615	sig	hypo
chr11	61777601	61777800	*	3.07E-133	3.46E-132	0.184892	chr11_617	sig	hyper
chr11	61827401	61827600	*	1.16E-127	1.23E-126	0.155461	chr11_618	sig	hyper
chr11	61828401	61828600	*	2.68E-147	3.48E-146	0.109492	chr11_618	sig	hyper
chr11	62688201	62688400	*	1.22E-30	3.85E-30	0.201535	chr11_626	sig	hyper
chr11	62705401	62705600	*	4.85E-21	1.21E-20	-0.10412	chr11_627	sig	hypo
chr11	62926601	62926800	*	5.42E-36	1.88E-35	0.102457	chr11_629	sig	hyper
chr11	63680801	63681000	*	1.69E-28	5.05E-28	-0.11233	chr11_636	sig	hypo
chr11	63763401	63763600	*	2.09E-84	1.39E-83	-0.23794	chr11_637	sig	hypo
chr11	63838201	63838400	*	1.12E-31	3.58E-31	-0.1028	chr11_638	sig	hypo
chr11	64060401	64060600	*	4.29E-54	1.97E-53	0.105348	chr11_640	sig	hyper
chr11	64060601	64060800	*	1.28E-63	6.58E-63	0.124385	chr11_640	sig	hyper
chr11	64061201	64061400	*	2.02E-186	3.80E-185	0.226806	chr11_640	sig	hyper
chr11	64223001	64223200	*	7.17E-307	4.23E-305	-0.2392	chr11_642	sig	hypo
chr11	64267401	64267600	*	2.03E-87	1.38E-86	-0.12906	chr11_642	sig	hypo
chr11	64341401	64341600	*	2.24E-43	8.81E-43	-0.10053	chr11_643	sig	hypo
chr11	64343201	64343400	*	1.14E-92	8.21E-92	-0.11315	chr11_643	sig	hypo
chr11	64379401	64379600	*	3.04E-27	8.87E-27	-0.17878	chr11_643	sig	hypo
chr11	64608201	64608400	*	2.10E-29	6.42E-29	-0.12243	chr11_646	sig	hypo
chr11	64712001	64712200	*	8.83E-23	2.31E-22	0.112367	chr11_647	sig	hyper
chr11	64971801	64972000	*	1.45E-249	5.11E-248	0.237281	chr11_649	sig	hyper
chr11	64972001	64972200	*	0	0	0.31309	chr11_649	sig	hyper
chr11	64972201	64972400	*	2.94E-114	2.70E-113	0.245303	chr11_649	sig	hyper
chr11	65047401	65047600	*	6.30E-14	1.27E-13	0.129522	chr11_650	sig	hyper
chr11	65047601	65047800	*	1.18E-90	8.35E-90	0.197966	chr11_650	sig	hyper
chr11	65048201	65048400	*	3.95E-37	1.40E-36	0.111903	chr11_650	sig	hyper
chr11	65557601	65557800	*	1.15E-215	2.87E-214	0.186463	chr11_655	sig	hyper
chr11	65584601	65584800	*	7.39E-22	1.89E-21	0.10026	chr11_655	sig	hyper
chr11	65585001	65585200	*	2.81E-53	1.27E-52	0.10158	chr11_655	sig	hyper
chr11	65592801	65593000	*	7.85E-49	3.35E-48	0.135914	chr11_655	sig	hyper
chr11	65607401	65607600	*	2.45E-106	2.06E-105	-0.10785	chr11_656	sig	hypo
chr11	65646801	65647000	*	6.54E-42	2.51E-41	-0.10034	chr11_656	sig	hypo
chr11	65647601	65647800	*	2.09E-44	8.37E-44	-0.11873	chr11_656	sig	hypo

chr11	65794201	65794400	*	1.22E-77	7.45E-77	0.122791	chr11_657	sig	hyper
chr11	65833201	65833400	*	1.36E-121	1.35E-120	0.218864	chr11_658	sig	hyper
chr11	65855601	65855800	*	2.85E-34	9.63E-34	-0.13714	chr11_658	sig	hypo
chr11	65856001	65856200	*	5.46E-149	7.24E-148	-0.29285	chr11_658	sig	hypo
chr11	65868401	65868600	*	1.76E-67	9.57E-67	-0.21364	chr11_658	sig	hypo
chr11	65879001	65879200	*	8.37E-116	7.82E-115	-0.19987	chr11_658	sig	hypo
chr11	66049001	66049200	*	8.70E-307	5.12E-305	0.286188	chr11_660	sig	hyper
chr11	66316201	66316400	*	5.06E-54	2.32E-53	-0.14374	chr11_663	sig	hypo
chr11	66421201	66421400	*	1.30E-220	3.40E-219	0.310869	chr11_664	sig	hyper
chr11	66543801	66544000	*	6.35E-166	9.91E-165	0.162501	chr11_665	sig	hyper
chr11	66864001	66864200	*	2.19E-21	5.51E-21	-0.10483	chr11_668	sig	hypo
chr11	66883001	66883200	*	2.08E-55	9.71E-55	-0.11042	chr11_668	sig	hypo
chr11	67270801	67271000	*	1.65E-131	1.81E-130	-0.23896	chr11_672	sig	hypo
chr11	67411801	67412000	*	9.30E-41	3.51E-40	-0.12838	chr11_674	sig	hypo
chr11	67438801	67439000	*	3.86E-37	1.37E-36	0.106929	chr11_674	sig	hyper
chr11	67442401	67442600	*	5.75E-156	8.10E-155	-0.19775	chr11_674	sig	hypo
chr11	67442601	67442800	*	4.85E-96	3.64E-95	-0.1533	chr11_674	sig	hypo
chr11	67452001	67452200	*	1.56E-168	2.49E-167	-0.17344	chr11_674	sig	hypo
chr11	67452201	67452400	*	4.77E-192	9.57E-191	-0.28696	chr11_674	sig	hypo
chr11	67452401	67452600	*	8.15E-277	3.58E-275	-0.31593	chr11_674	sig	hypo
chr11	67464401	67464600	*	1.08E-162	1.62E-161	-0.23454	chr11_674	sig	hypo
chr11	67506801	67507000	*	2.06E-121	2.04E-120	-0.17607	chr11_675	sig	hypo
chr11	67573201	67573400	*	1.79E-48	7.60E-48	-0.18661	chr11_675	sig	hypo
chr11	67665401	67665600	*	9.21E-301	5.08E-299	-0.26122	chr11_676	sig	hypo
chr11	67983601	67983800	*	2.56E-74	1.51E-73	-0.19446	chr11_679	sig	hypo
chr11	68342601	68342800	*	8.98E-32	2.89E-31	-0.13787	chr11_683	sig	hypo
chr11	68406601	68406800	*	6.02E-57	2.86E-56	-0.11349	chr11_684	sig	hypo
chr11	68406801	68407000	*	5.12E-22	1.31E-21	-0.12455	chr11_684	sig	hypo
chr11	68411401	68411600	*	0.00E+00	0.00E+00	-0.27453	chr11_684	sig	hypo
chr11	68752201	68752400	*	5.91E-29	1.79E-28	-0.10213	chr11_687	sig	hypo
chr11	68842801	68843000	*	4.98E-108	4.26E-107	-0.24366	chr11_688	sig	hypo
chr11	68843201	68843400	*	0	0	-0.29918	chr11_688	sig	hypo
chr11	68843401	68843600	*	2.98E-98	2.29E-97	-0.16852	chr11_688	sig	hypo
chr11	69001401	69001600	*	1.47E-21	3.71E-21	-0.10328	chr11_690	sig	hypo
chr11	69116201	69116400	*	1.57E-66	8.43E-66	-0.20057	chr11_691	sig	hypo
chr11	69157001	69157200	*	7.37E-12	1.37E-11	-0.1234	chr11_691	sig	hypo
chr11	69196201	69196400	*	2.45E-30	7.66E-30	-0.13596	chr11_691	sig	hypo
chr11	69250001	69250200	*	2.37E-165	3.68E-164	-0.20595	chr11_692	sig	hypo
chr11	69382401	69382600	*	1.62E-241	5.31E-240	-0.26259	chr11_693	sig	hypo
chr11	69449801	69450000	*	9.74E-259	3.71E-257	-0.23259	chr11_694	sig	hypo
chr11	69654201	69654400	*	5.67E-140	6.82E-139	-0.12754	chr11_696	sig	hypo
chr11	69654801	69655000	*	1.05E-22	2.74E-22	-0.10922	chr11_696	sig	hypo
chr11	69817201	69817400	*	4.59E-137	5.37E-136	0.121045	chr11_698	sig	hyper
chr11	69818801	69819000	*	2.57E-152	3.51E-151	0.156881	chr11_698	sig	hyper
chr11	69819601	69819800	*	3.30E-283	1.53E-281	0.157626	chr11_698	sig	hyper
chr11	69819801	69820000	*	6.38E-66	3.40E-65	0.145657	chr11_698	sig	hyper
chr11	69867801	69868000	*	7.61E-126	7.93E-125	-0.21071	chr11_698	sig	hypo
chr11	69889801	69890000	*	4.36E-43	1.71E-42	0.18637	chr11_698	sig	hyper
chr11	70177401	70177600	*	7.88E-81	5.02E-80	-0.17753	chr11_701	sig	hypo
chr11	70661601	70661800	*	8.01E-45	3.22E-44	0.159401	chr11_706	sig	hyper
chr11	70671201	70671400	*	2.00E-61	1.01E-60	0.120945	chr11_706	sig	hyper
chr11	70826601	70826800	*	1.53E-95	1.14E-94	0.144929	chr11_708	sig	hyper
chr11	70826801	70827000	*	3.93E-193	7.94E-192	0.191683	chr11_708	sig	hyper
chr11	71250601	71250800	*	2.89E-33	9.58E-33	0.104103	chr11_712	sig	hyper
chr11	71537601	71537800	*	6.90E-17	1.54E-16	-0.10074	chr11_715	sig	hypo
chr11	71615401	71615600	*	3.32E-122	3.32E-121	-0.1658	chr11_716	sig	hypo

chr11	72241001	72241200	*	1.65E-56	7.81E-56	0.126518	chr11_722	sig	hyper
chr11	72244001	72244200	*	2.76E-199	5.88E-198	0.292941	chr11_722	sig	hyper
chr11	72244401	72244600	*	1.04E-67	5.67E-67	0.174484	chr11_722	sig	hyper
chr11	72639401	72639600	*	5.26E-25	1.46E-24	-0.10591	chr11_726	sig	hypo
chr11	73296601	73296800	*	7.31E-57	3.48E-56	-0.15585	chr11_732	sig	hypo
chr11	73342601	73342800	*	7.13E-52	3.17E-51	-0.11311	chr11_733	sig	hypo
chr11	73365801	73366000	*	1.05E-42	4.09E-42	-0.12315	chr11_733	sig	hypo
chr11	74731801	74732000	*	2.98E-37	1.06E-36	0.137771	chr11_747	sig	hyper
chr11	75402001	75402200	*	7.56E-12	1.41E-11	-0.10463	chr11_754	sig	hypo
chr11	76152201	76152400	*	3.70E-110	3.23E-109	-0.1573	chr11_761	sig	hypo
chr11	77039201	77039400	*	8.46E-97	6.41E-96	-0.38255	chr11_770	sig	hypo
chr11	77138001	77138200	*	9.06E-38	3.24E-37	0.122672	chr11_771	sig	hyper
chr11	78962001	78962200	*	3.10E-132	3.45E-131	0.354501	chr11_789	sig	hyper
chr11	79437001	79437200	*	1.12E-20	2.78E-20	0.112762	chr11_794	sig	hyper
chr11	79438201	79438400	*	6.94E-132	7.69E-131	0.228614	chr11_794	sig	hyper
chr11	79438801	79439000	*	1.76E-274	7.62E-273	0.193223	chr11_794	sig	hyper
chr11	79439001	79439200	*	4.45E-91	3.16E-90	0.1472	chr11_794	sig	hyper
chr11	82732401	82732600	*	1.10E-49	4.74E-49	0.197537	chr11_827	sig	hyper
chr11	86195201	86195400	*	4.70E-295	2.45E-293	-0.28033	chr11_861	sig	hypo
chr11	86799801	86800000	*	6.71E-68	3.67E-67	-0.17143	chr11_867	sig	hypo
chr11	88508401	88508600	*	4.44E-27	1.29E-26	0.12334	chr11_885	sig	hyper
chr11	90134601	90134800	*	1.78E-255	6.64E-254	0.187002	chr11_901	sig	hyper
chr11	92223401	92223600	*	9.50E-76	5.71E-75	0.194769	chr11_922	sig	hyper
chr11	92224201	92224400	*	2.24E-189	4.37E-188	0.216962	chr11_922	sig	hyper
chr11	92224401	92224600	*	7.18E-278	3.18E-276	0.288835	chr11_922	sig	hyper
chr11	92225201	92225400	*	1.48E-187	2.83E-186	0.349706	chr11_922	sig	hyper
chr11	92225601	92225800	*	2.52E-118	2.42E-117	0.320367	chr11_922	sig	hyper
chr11	92225801	92226000	*	1.72E-126	1.81E-125	0.256285	chr11_922	sig	hyper
chr11	92969201	92969400	*	1.19E-45	4.85E-45	0.180378	chr11_929	sig	hyper
chr11	92969401	92969600	*	1.53E-59	7.54E-59	0.189501	chr11_929	sig	hyper
chr11	92970201	92970400	*	1.39E-24	3.83E-24	0.102385	chr11_929	sig	hyper
chr11	94401001	94401200	*	2.62E-99	2.04E-98	0.272272	chr11_944	sig	hyper
chr11	94401401	94401600	*	2.55E-188	4.93E-187	0.24612	chr11_944	sig	hyper
chr11	94401801	94402000	*	1.63E-64	8.55E-64	0.243449	chr11_944	sig	hyper
chr11	94740601	94740800	*	3.52E-127	3.72E-126	0.198013	chr11_947	sig	hyper
chr11	94769201	94769400	*	0	0	0.25856	chr11_947	sig	hyper
chr11	94769601	94769800	*	4.13E-167	6.50E-166	0.196001	chr11_947	sig	hyper
chr11	95037801	95038000	*	1.01E-44	4.06E-44	0.182576	chr11_950	sig	hyper
chr11	99021001	99021200	*	2.97E-111	2.63E-110	0.140701	chr11_990	sig	hyper
chr11	101127001	101127200	*	5.05E-48	2.13E-47	0.141834	chr11_101	sig	hyper
chr11	101583801	101584000	*	7.11E-172	1.18E-170	0.392278	chr11_101	sig	hyper
chr11	103109601	103109800	*	1.79E-130	1.96E-129	0.157667	chr11_103	sig	hyper
chr11	104163401	104163600	*	6.44E-188	1.24E-186	0.26472	chr11_104	sig	hyper
chr11	104163801	104164000	*	1.70E-131	1.88E-130	0.138863	chr11_104	sig	hyper
chr11	104164801	104165000	*	3.22E-37	1.14E-36	-0.11607	chr11_104	sig	hypo
chr11	105610401	105610600	*	5.01E-217	1.27E-215	0.27662	chr11_105	sig	hyper
chr11	105610601	105610800	*	0	0	0.326135	chr11_105	sig	hyper
chr11	107019401	107019600	*	1.84E-174	3.12E-173	0.197288	chr11_107	sig	hyper
chr11	107592001	107592200	*	3.89E-50	1.69E-49	0.165772	chr11_107	sig	hyper
chr11	107929201	107929400	*	7.55E-142	9.26E-141	0.186809	chr11_107	sig	hyper
chr11	109423401	109423600	*	0	0	0.292207	chr11_109	sig	hyper
chr11	110712801	110713000	*	3.27E-117	3.10E-116	0.180993	chr11_110	sig	hyper
chr11	111284001	111284200	*	1.68E-116	1.58E-115	-0.1652	chr11_111	sig	hypo
chr11	111379201	111379400	*	1.30E-17	2.95E-17	0.143982	chr11_111	sig	hyper
chr11	111379401	111379600	*	2.13E-25	5.97E-25	0.106492	chr11_111	sig	hyper
chr11	111513001	111513200	*	4.91E-141	5.97E-140	0.134538	chr11_111	sig	hyper

chr11	111514801	111515000	*	1.55E-147	2.03E-146	0.192197	chr11_111	sig	hyper
chr11	111540201	111540400	*	5.68E-166	8.86E-165	0.209245	chr11_111	sig	hyper
chr11	111912801	111913000	*	1.07E-91	7.66E-91	0.208668	chr11_111	sig	hyper
chr11	112499801	112500000	*	2.54E-181	4.56E-180	-0.2888	chr11_112	sig	hypo
chr11	112961801	112962000	*	2.07E-58	1.01E-57	0.110672	chr11_112	sig	hyper
chr11	112962201	112962400	*	8.60E-118	8.21E-117	0.144317	chr11_112	sig	hyper
chr11	113275001	113275200	*	3.55E-41	1.35E-40	-0.20265	chr11_113	sig	hypo
chr11	114076201	114076400	*	9.70E-223	2.60E-221	-0.29913	chr11_114	sig	hypo
chr11	115502001	115502200	*	1.94E-34	6.57E-34	0.103887	chr11_115	sig	hyper
chr11	115660201	115660400	*	2.33E-199	4.97E-198	0.186363	chr11_115	sig	hyper
chr11	115711001	115711200	*	3.23E-144	4.07E-143	-0.19738	chr11_115	sig	hypo
chr11	116581001	116581200	*	7.72E-42	2.96E-41	0.101413	chr11_116	sig	hyper
chr11	117795801	117796000	*	7.13E-46	2.91E-45	0.137911	chr11_117	sig	hyper
chr11	117810201	117810400	*	1.43E-109	1.24E-108	-0.26177	chr11_117	sig	hypo
chr11	117877401	117877600	*	1.38E-33	4.58E-33	-0.13054	chr11_117	sig	hypo
chr11	117987201	117987400	*	1.84E-145	2.35E-144	-0.25198	chr11_117	sig	hypo
chr11	118143801	118144000	*	1.71E-32	5.60E-32	-0.14509	chr11_118	sig	hypo
chr11	118971801	118972000	*	1.19E-28	3.56E-28	0.129244	chr11_118	sig	hyper
chr11	119150001	119150200	*	7.79E-34	2.61E-33	0.11664	chr11_119	sig	hyper
chr11	119368201	119368400	*	1.06E-34	3.62E-34	-0.11752	chr11_119	sig	hypo
chr11	119422001	119422200	*	1.87E-286	8.97E-285	0.125162	chr11_119	sig	hyper
chr11	119603001	119603200	*	6.12E-31	1.94E-30	-0.11415	chr11_119	sig	hypo
chr11	119741001	119741200	*	6.72E-81	4.28E-80	-0.20871	chr11_119	sig	hypo
chr11	120124001	120124200	*	4.22E-81	2.70E-80	-0.17227	chr11_120	sig	hypo
chr11	120167801	120168000	*	4.93E-23	1.30E-22	-0.1122	chr11_120	sig	hypo
chr11	120168001	120168200	*	8.62E-70	4.83E-69	-0.18902	chr11_120	sig	hypo
chr11	122976401	122976600	*	4.61E-66	2.47E-65	0.244613	chr11_122	sig	hyper
chr11	122977401	122977600	*	3.04E-168	4.84E-167	0.224434	chr11_122	sig	hyper
chr11	122977601	122977800	*	1.48E-153	2.05E-152	0.24675	chr11_122	sig	hyper
chr11	122977801	122978000	*	2.70E-123	2.74E-122	0.224918	chr11_122	sig	hyper
chr11	122980001	122980200	*	2.64E-85	1.76E-84	0.204292	chr11_122	sig	hyper
chr11	122980201	122980400	*	3.35E-98	2.58E-97	0.165435	chr11_122	sig	hyper
chr11	122980401	122980600	*	1.04E-57	4.97E-57	0.154522	chr11_122	sig	hyper
chr11	122981601	122981800	*	1.96E-182	3.54E-181	0.227862	chr11_122	sig	hyper
chr11	123195801	123196000	*	8.83E-186	1.65E-184	0.234722	chr11_123	sig	hyper
chr11	123302201	123302400	*	1.04E-57	5.01E-57	0.172852	chr11_123	sig	hyper
chr11	123430001	123430200	*	3.74E-31	1.19E-30	0.124161	chr11_123	sig	hyper
chr11	123431001	123431200	*	5.29E-100	4.15E-99	0.141983	chr11_123	sig	hyper
chr11	123431201	123431400	*	5.50E-55	2.55E-54	0.183755	chr11_123	sig	hyper
chr11	123577601	123577800	*	2.17E-98	1.68E-97	-0.26265	chr11_123	sig	hypo
chr11	124843401	124843600	*	1.37E-26	3.96E-26	0.111297	chr11_124	sig	hyper
chr11	124865001	124865200	*	8.10E-29	2.44E-28	0.107052	chr11_124	sig	hyper
chr11	124868401	124868600	*	1.37E-57	6.55E-57	0.185174	chr11_124	sig	hyper
chr11	124920801	124921000	*	1.01E-103	8.25E-103	0.244616	chr11_124	sig	hyper
chr11	125102201	125102400	*	3.87E-88	2.66E-87	0.103568	chr11_125	sig	hyper
chr11	125494801	125495000	*	1.68E-58	8.18E-58	0.243357	chr11_125	sig	hyper
chr11	126356201	126356400	*	1.57E-31	5.02E-31	0.121877	chr11_126	sig	hyper
chr11	127000201	127000400	*	2.04E-101	1.63E-100	0.136695	chr11_127	sig	hyper
chr11	128549201	128549400	*	6.26E-29	1.89E-28	0.166021	chr11_128	sig	hyper
chr11	128549401	128549600	*	6.26E-42	2.41E-41	0.107652	chr11_128	sig	hyper
chr11	128686201	128686400	*	2.90E-73	1.68E-72	0.168361	chr11_128	sig	hyper
chr11	128686801	128687000	*	9.02E-186	1.69E-184	0.123315	chr11_128	sig	hyper
chr11	128687001	128687200	*	8.92E-138	1.05E-136	0.128794	chr11_128	sig	hyper
chr11	128689201	128689400	*	4.74E-49	2.03E-48	0.147853	chr11_128	sig	hyper
chr11	128692401	128692600	*	1.57E-29	4.81E-29	0.142077	chr11_128	sig	hyper
chr11	128693001	128693200	*	0	0	0.201823	chr11_128	sig	hyper

chr11	128693601	128693800	*	8.24E-158	1.18E-156	0.133996	chr11_128	sig	hyper
chr11	128694201	128694400	*	0	0	0.371955	chr11_128	sig	hyper
chr11	128695201	128695400	*	4.89E-60	2.42E-59	0.200751	chr11_128	sig	hyper
chr11	128824201	128824400	*	0	0	0.296541	chr11_128	sig	hyper
chr11	128824401	128824600	*	1.62E-87	1.11E-86	0.218976	chr11_128	sig	hyper
chr11	128867401	128867600	*	1.91E-31	6.09E-31	-0.14036	chr11_128	sig	hypo
chr11	128876201	128876400	*	2.89E-298	1.56E-296	-0.32462	chr11_128	sig	hypo
chr11	129372601	129372800	*	2.21E-42	8.57E-42	0.135499	chr11_129	sig	hyper
chr11	129373401	129373600	*	8.35E-25	2.31E-24	0.116731	chr11_129	sig	hyper
chr11	129743601	129743800	*	1.42E-276	6.21E-275	-0.29857	chr11_129	sig	hypo
chr11	129743801	129744000	*	5.85E-131	6.41E-130	-0.30471	chr11_129	sig	hypo
chr11	129896201	129896400	*	2.11E-15	4.47E-15	-0.12729	chr11_129	sig	hypo
chr11	130190401	130190600	*	1.21E-76	7.33E-76	-0.14416	chr11_130	sig	hypo
chr11	130206401	130206600	*	3.29E-28	9.79E-28	-0.17663	chr11_130	sig	hypo
chr11	130428801	130429000	*	1.70E-58	8.29E-58	0.143146	chr11_130	sig	hyper
chr11	131910401	131910600	*	2.05E-185	3.82E-184	0.274432	chr11_131	sig	hyper
chr11	132943601	132943800	*	3.91E-99	3.03E-98	0.219889	chr11_132	sig	hyper
chr11	132994201	132994400	*	2.29E-228	6.58E-227	0.240346	chr11_132	sig	hyper
chr11	133081801	133082000	*	5.66E-17	1.26E-16	0.109598	chr11_133	sig	hyper
chr11	133082001	133082200	*	8.85E-54	4.03E-53	0.161253	chr11_133	sig	hyper
chr11	133788001	133788200	*	4.57E-104	3.75E-103	0.228904	chr11_133	sig	hyper
chr11	133935001	133935200	*	5.01E-301	2.77E-299	-0.24266	chr11_133	sig	hypo
chr11	133955601	133955800	*	2.12E-166	3.31E-165	0.149863	chr11_133	sig	hyper
chr11	133967401	133967600	*	1.90E-122	1.91E-121	0.162651	chr11_133	sig	hyper
chr11	134068801	134069000	*	3.94E-133	4.43E-132	0.193336	chr11_134	sig	hyper
chr11	134069601	134069800	*	7.59E-121	7.49E-120	0.275843	chr11_134	sig	hyper
chr11	134277601	134277800	*	1.88E-46	7.77E-46	0.245274	chr11_134	sig	hyper
chr11	134277801	134278000	*	2.13E-34	7.20E-34	0.103638	chr11_134	sig	hyper
chr11	134471401	134471600	*	3.71E-80	2.35E-79	0.10421	chr11_134	sig	hyper
chr11	134657001	134657200	*	3.27E-85	2.18E-84	-0.19518	chr11_134	sig	hypo
chr11	134712801	134713000	*	6.95E-97	5.27E-96	-0.20076	chr11_134	sig	hypo
chr11	134942801	134943000	*	5.01E-43	1.96E-42	0.112585	chr11_134	sig	hyper
chr12	66801	67000	*	2.48E-100	1.95E-99	0.186323	chr12_668	sig	hyper
chr12	138001	138200	*	2.79E-48	1.18E-47	-0.1255	chr12_138	sig	hypo
chr12	139801	140000	*	5.44E-46	2.23E-45	0.218393	chr12_139	sig	hyper
chr12	188201	188400	*	1.25E-111	1.12E-110	-0.15471	chr12_188	sig	hypo
chr12	188401	188600	*	5.42E-58	2.62E-57	-0.16493	chr12_188	sig	hypo
chr12	950001	950200	*	5.87E-62	2.97E-61	0.110445	chr12_950	sig	hyper
chr12	1500001	1500200	*	4.41E-134	5.02E-133	-0.21093	chr12_150	sig	hypo
chr12	1500201	1500400	*	8.99E-102	7.21E-101	-0.16045	chr12_150	sig	hypo
chr12	1632601	1632800	*	5.95E-32	1.92E-31	-0.12187	chr12_163	sig	hypo
chr12	1795201	1795400	*	2.08E-120	2.04E-119	-0.25826	chr12_179	sig	hypo
chr12	1795401	1795600	*	3.32E-100	2.61E-99	-0.22948	chr12_179	sig	hypo
chr12	1834601	1834800	*	9.72E-50	4.20E-49	-0.11965	chr12_183	sig	hypo
chr12	1865001	1865200	*	4.65E-34	1.56E-33	0.143031	chr12_186	sig	hyper
chr12	1908401	1908600	*	3.23E-54	1.48E-53	-0.15034	chr12_190	sig	hypo
chr12	1919001	1919200	*	1.05E-55	4.92E-55	-0.18273	chr12_191	sig	hypo
chr12	1922201	1922400	*	3.26E-19	7.78E-19	0.10411	chr12_192	sig	hyper
chr12	1922601	1922800	*	2.03E-45	8.22E-45	0.175121	chr12_192	sig	hyper
chr12	2640801	2641000	*	2.23E-87	1.52E-86	-0.20551	chr12_264	sig	hypo
chr12	2793601	2793800	*	2.84E-25	7.92E-25	-0.13997	chr12_279	sig	hypo
chr12	3490801	3491000	*	1.25E-50	5.45E-50	0.100266	chr12_349	sig	hyper
chr12	3491401	3491600	*	1.28E-60	6.40E-60	0.143455	chr12_349	sig	hyper
chr12	3493001	3493200	*	1.11E-300	6.08E-299	0.216222	chr12_349	sig	hyper
chr12	3493401	3493600	*	8.31E-118	7.93E-117	0.230526	chr12_349	sig	hyper
chr12	3838801	3839000	*	1.78E-17	4.03E-17	0.140028	chr12_383	sig	hyper

chr12	4809601	4809800	*	4.55E-215	1.12E-213	0.219179	chr12_480	sig	hyper
chr12	4809801	4810000	*	1.07E-263	4.24E-262	0.255489	chr12_480	sig	hyper
chr12	4909001	4909200	*	2.27E-99	1.77E-98	0.182291	chr12_490	sig	hyper
chr12	4909201	4909400	*	3.72E-234	1.13E-232	0.359212	chr12_490	sig	hyper
chr12	4909401	4909600	*	5.93E-230	1.72E-228	0.256368	chr12_490	sig	hyper
chr12	4909601	4909800	*	1.32E-170	2.17E-169	0.238219	chr12_490	sig	hyper
chr12	4909801	4910000	*	0	0	0.298772	chr12_490	sig	hyper
chr12	4910201	4910400	*	1.34E-190	2.66E-189	0.16266	chr12_491	sig	hyper
chr12	4911401	4911600	*	7.95E-153	1.09E-151	0.288112	chr12_491	sig	hyper
chr12	5043401	5043600	*	4.69E-52	2.09E-51	0.142129	chr12_504	sig	hyper
chr12	5430401	5430600	*	7.91E-24	2.13E-23	0.101553	chr12_543	sig	hyper
chr12	5430801	5431000	*	2.46E-71	1.40E-70	0.127696	chr12_543	sig	hyper
chr12	6075201	6075400	*	2.22E-68	1.22E-67	-0.16054	chr12_607	sig	hypo
chr12	6142201	6142400	*	2.14E-96	1.61E-95	-0.21259	chr12_614	sig	hypo
chr12	6167801	6168000	*	3.54E-10	6.15E-10	-0.11046	chr12_616	sig	hypo
chr12	6312201	6312400	*	2.65E-24	7.24E-24	-0.12106	chr12_631	sig	hypo
chr12	6362001	6362200	*	1.28E-69	7.14E-69	-0.1906	chr12_636	sig	hypo
chr12	6377401	6377600	*	1.66E-51	7.32E-51	-0.1438	chr12_637	sig	hypo
chr12	6539601	6539800	*	2.99E-38	1.08E-37	-0.123	chr12_653	sig	hypo
chr12	6549601	6549800	*	7.97E-30	2.46E-29	-0.12452	chr12_654	sig	hypo
chr12	6555401	6555600	*	4.35E-90	3.05E-89	0.206801	chr12_655	sig	hyper
chr12	6555601	6555800	*	8.16E-75	4.85E-74	0.240127	chr12_655	sig	hyper
chr12	6556001	6556200	*	3.79E-54	1.74E-53	0.155795	chr12_655	sig	hyper
chr12	6556201	6556400	*	1.26E-46	5.19E-46	0.149413	chr12_655	sig	hyper
chr12	6620401	6620600	*	4.19E-139	5.00E-138	0.120332	chr12_662	sig	hyper
chr12	6638201	6638400	*	2.14E-17	4.85E-17	0.103979	chr12_663	sig	hyper
chr12	6646801	6647000	*	3.94E-09	6.51E-09	-0.10022	chr12_664	sig	hypo
chr12	6824001	6824200	*	3.50E-32	1.14E-31	-0.12716	chr12_682	sig	hypo
chr12	6824201	6824400	*	0	0	-0.25625	chr12_682	sig	hypo
chr12	6824401	6824600	*	3.76E-50	1.63E-49	-0.16255	chr12_682	sig	hypo
chr12	6887601	6887800	*	1.13E-33	3.76E-33	-0.18609	chr12_688	sig	hypo
chr12	7096801	7097000	*	1.39E-29	4.28E-29	-0.10531	chr12_709	sig	hypo
chr12	7439801	7440000	*	2.58E-53	1.17E-52	0.139503	chr12_743	sig	hyper
chr12	7440001	7440200	*	1.23E-168	1.97E-167	0.165639	chr12_744	sig	hyper
chr12	7639801	7640000	*	3.66E-19	8.72E-19	-0.10864	chr12_763	sig	hypo
chr12	7711401	7711600	*	2.87E-34	9.67E-34	-0.11039	chr12_771	sig	hypo
chr12	7872801	7873000	*	6.31E-81	4.02E-80	0.204395	chr12_787	sig	hyper
chr12	7916001	7916200	*	2.11E-54	9.72E-54	0.251142	chr12_791	sig	hyper
chr12	8014801	8015000	*	9.78E-22	2.49E-21	0.127428	chr12_801	sig	hyper
chr12	8018801	8019000	*	1.63E-299	8.84E-298	0.188453	chr12_801	sig	hyper
chr12	9065201	9065400	*	2.63E-22	6.78E-22	-0.11051	chr12_906	sig	hypo
chr12	9739601	9739800	*	1.03E-46	4.25E-46	-0.16132	chr12_973	sig	hypo
chr12	11500601	11500800	*	1.66E-111	1.47E-110	0.164907	chr12_115	sig	hyper
chr12	12787401	12787600	*	6.06E-13	1.18E-12	0.102784	chr12_127	sig	hyper
chr12	12927201	12927400	*	1.33E-31	4.26E-31	-0.19224	chr12_129	sig	hypo
chr12	15221001	15221200	*	8.96E-114	8.18E-113	0.219936	chr12_152	sig	hyper
chr12	15322601	15322800	*	1.01E-48	4.29E-48	0.104536	chr12_153	sig	hyper
chr12	15323001	15323200	*	4.99E-74	2.93E-73	0.129598	chr12_153	sig	hyper
chr12	21527401	21527600	*	1.47E-215	3.65E-214	0.115053	chr12_215	sig	hyper
chr12	21773401	21773600	*	3.59E-59	1.76E-58	0.135525	chr12_217	sig	hyper
chr12	22333401	22333600	*	3.44E-54	1.58E-53	0.145895	chr12_223	sig	hyper
chr12	24563001	24563200	*	5.50E-77	3.35E-76	0.112496	chr12_245	sig	hyper
chr12	24563601	24563800	*	1.02E-107	8.70E-107	0.104149	chr12_245	sig	hyper
chr12	24839201	24839400	*	2.36E-24	6.46E-24	0.135825	chr12_248	sig	hyper
chr12	24902001	24902200	*	6.79E-61	3.39E-60	0.189247	chr12_249	sig	hyper
chr12	24902201	24902400	*	1.11E-101	8.89E-101	0.17352	chr12_249	sig	hyper

chr12	24902601	24902800	*	4.80E-100	3.77E-99	0.250472	chr12_249	sig	hyper
chr12	24903201	24903400	*	0	0	0.296257	chr12_249	sig	hyper
chr12	27970601	27970800	*	3.58E-59	1.76E-58	0.130868	chr12_279	sig	hyper
chr12	27974401	27974600	*	3.29E-09	5.47E-09	0.107702	chr12_279	sig	hyper
chr12	29150201	29150400	*	8.32E-48	3.50E-47	-0.15508	chr12_291	sig	hypo
chr12	29783001	29783200	*	6.52E-137	7.63E-136	0.275168	chr12_297	sig	hyper
chr12	29783401	29783600	*	1.05E-296	5.61E-295	0.251543	chr12_297	sig	hyper
chr12	30169801	30170000	*	1.73E-36	6.05E-36	0.142187	chr12_301	sig	hyper
chr12	30201401	30201600	*	3.01E-83	1.97E-82	0.20887	chr12_302	sig	hyper
chr12	33438401	33438600	*	1.33E-158	1.92E-157	0.222633	chr12_334	sig	hyper
chr12	33439401	33439600	*	5.91E-17	1.32E-16	0.139051	chr12_334	sig	hyper
chr12	34218601	34218800	*	8.05E-39	2.94E-38	0.103978	chr12_342	sig	hyper
chr12	34218801	34219000	*	1.92E-67	1.04E-66	0.209819	chr12_342	sig	hyper
chr12	34292801	34293000	*	2.03E-22	5.27E-22	-0.11129	chr12_342	sig	hypo
chr12	34358401	34358600	*	1.89E-21	4.76E-21	-0.14451	chr12_343	sig	hypo
chr12	34385801	34386000	*	3.45E-36	1.20E-35	-0.14543	chr12_343	sig	hypo
chr12	34394601	34394800	*	3.77E-45	1.52E-44	-0.17767	chr12_343	sig	hypo
chr12	38905801	38906000	*	1.59E-76	9.63E-76	0.120483	chr12_389	sig	hyper
chr12	40692401	40692600	*	1.19E-87	8.10E-87	0.174886	chr12_406	sig	hyper
chr12	40692801	40693000	*	2.86E-97	2.17E-96	0.20816	chr12_406	sig	hyper
chr12	40693001	40693200	*	2.36E-91	1.68E-90	0.263584	chr12_406	sig	hyper
chr12	40693601	40693800	*	2.45E-46	1.01E-45	0.126969	chr12_406	sig	hyper
chr12	41188201	41188400	*	6.89E-75	4.10E-74	0.281134	chr12_411	sig	hyper
chr12	41189401	41189600	*	5.30E-115	4.90E-114	0.313167	chr12_411	sig	hyper
chr12	41189801	41190000	*	1.50E-65	7.97E-65	0.205168	chr12_411	sig	hyper
chr12	42482201	42482400	*	3.08E-22	7.93E-22	0.103097	chr12_424	sig	hyper
chr12	43552001	43552200	*	1.77E-273	7.56E-272	0.279827	chr12_435	sig	hyper
chr12	43552601	43552800	*	5.39E-59	2.64E-58	0.152931	chr12_435	sig	hyper
chr12	43571801	43572000	*	8.54E-35	2.91E-34	0.12479	chr12_435	sig	hyper
chr12	45051001	45051200	*	5.34E-145	6.77E-144	0.188139	chr12_450	sig	hyper
chr12	47811601	47811800	*	1.06E-25	2.99E-25	0.109823	chr12_478	sig	hyper
chr12	48003801	48004000	*	2.07E-118	1.99E-117	0.13194	chr12_480	sig	hyper
chr12	48184601	48184800	*	1.38E-50	6.02E-50	0.214822	chr12_481	sig	hyper
chr12	48184801	48185000	*	5.09E-25	1.41E-24	0.157825	chr12_481	sig	hyper
chr12	48198401	48198600	*	1.77E-201	3.90E-200	0.251091	chr12_481	sig	hyper
chr12	48198601	48198800	*	0	0	0.232925	chr12_481	sig	hyper
chr12	48198801	48199000	*	1.54E-123	1.56E-122	0.181191	chr12_481	sig	hyper
chr12	49091201	49091400	*	8.38E-202	1.86E-200	0.16198	chr12_490	sig	hyper
chr12	49342001	49342200	*	8.90E-24	2.39E-23	0.127489	chr12_493	sig	hyper
chr12	49544201	49544400	*	1.87E-104	1.54E-103	0.193509	chr12_495	sig	hyper
chr12	49904001	49904200	*	2.33E-108	2.00E-107	0.190283	chr12_499	sig	hyper
chr12	49955401	49955600	*	5.62E-39	2.06E-38	0.139405	chr12_499	sig	hyper
chr12	49956401	49956600	*	3.50E-16	7.61E-16	0.10862	chr12_499	sig	hyper
chr12	49961401	49961600	*	3.98E-275	1.73E-273	0.213482	chr12_499	sig	hyper
chr12	50033001	50033200	*	1.40E-121	1.39E-120	0.261802	chr12_500	sig	hyper
chr12	51324201	51324400	*	2.33E-17	5.25E-17	0.105655	chr12_513	sig	hyper
chr12	51392601	51392800	*	2.78E-47	1.16E-46	-0.136	chr12_513	sig	hypo
chr12	51401401	51401600	*	5.49E-100	4.31E-99	-0.2609	chr12_514	sig	hypo
chr12	51864401	51864600	*	1.16E-41	4.42E-41	0.125971	chr12_518	sig	hyper
chr12	52007601	52007800	*	0	0	0.255478	chr12_520	sig	hyper
chr12	52116001	52116200	*	7.07E-105	5.86E-104	-0.15736	chr12_521	sig	hypo
chr12	52231601	52231800	*	3.54E-15	7.44E-15	-0.11147	chr12_522	sig	hypo
chr12	52233401	52233600	*	1.34E-133	1.51E-132	0.240364	chr12_522	sig	hyper
chr12	52233601	52233800	*	4.67E-54	2.14E-53	0.137225	chr12_522	sig	hyper
chr12	52258801	52259000	*	6.06E-64	3.14E-63	0.126064	chr12_522	sig	hyper
chr12	52319201	52319400	*	6.03E-90	4.22E-89	-0.17884	chr12_523	sig	hypo

chr12	52601401	52601600	*	8.68E-100	6.79E-99	0.193874	chr12_526	sig	hyper
chr12	52898601	52898800	*	2.29E-22	5.93E-22	-0.10618	chr12_528	sig	hypo
chr12	52898801	52899000	*	3.09E-58	1.50E-57	-0.17568	chr12_528	sig	hypo
chr12	53103401	53103600	*	2.63E-32	8.58E-32	-0.12659	chr12_531	sig	hypo
chr12	53927401	53927600	*	1.00E-236	3.12E-235	0.275354	chr12_539	sig	hyper
chr12	53930601	53930800	*	1.22E-93	8.88E-93	0.210479	chr12_539	sig	hyper
chr12	53931001	53931200	*	1.96E-47	8.20E-47	0.125246	chr12_539	sig	hyper
chr12	53936001	53936200	*	1.27E-159	1.86E-158	0.320793	chr12_539	sig	hyper
chr12	53936401	53936600	*	9.43E-57	4.47E-56	0.222468	chr12_539	sig	hyper
chr12	53938201	53938400	*	2.86E-100	2.25E-99	0.188615	chr12_539	sig	hyper
chr12	53938401	53938600	*	1.66E-54	7.65E-54	0.2853	chr12_539	sig	hyper
chr12	53938801	53939000	*	3.99E-81	2.55E-80	0.197832	chr12_539	sig	hyper
chr12	53944801	53945000	*	1.80E-48	7.62E-48	0.133573	chr12_539	sig	hyper
chr12	53945001	53945200	*	7.47E-296	3.93E-294	0.192523	chr12_539	sig	hyper
chr12	53945401	53945600	*	6.62E-103	5.37E-102	0.212149	chr12_539	sig	hyper
chr12	53951201	53951400	*	1.67E-71	9.53E-71	0.100526	chr12_539	sig	hyper
chr12	53951401	53951600	*	1.24E-46	5.13E-46	0.108678	chr12_539	sig	hyper
chr12	53952001	53952200	*	1.14E-244	3.84E-243	0.192783	chr12_539	sig	hyper
chr12	53955401	53955600	*	1.04E-147	1.37E-146	0.2588	chr12_539	sig	hyper
chr12	53960601	53960800	*	9.22E-225	2.54E-223	0.284996	chr12_539	sig	hyper
chr12	53960801	53961000	*	1.72E-272	7.26E-271	0.234931	chr12_539	sig	hyper
chr12	53961601	53961800	*	1.82E-170	2.98E-169	0.240335	chr12_539	sig	hyper
chr12	53966601	53966800	*	3.18E-219	8.20E-218	0.259269	chr12_539	sig	hyper
chr12	53973001	53973200	*	0	0	0.29669	chr12_539	sig	hyper
chr12	53973401	53973600	*	4.59E-47	1.91E-46	0.19948	chr12_539	sig	hyper
chr12	53974401	53974600	*	5.63E-54	2.57E-53	0.113711	chr12_539	sig	hyper
chr12	53975201	53975400	*	2.58E-30	8.07E-30	0.157684	chr12_539	sig	hyper
chr12	53975401	53975600	*	3.93E-87	2.66E-86	0.190496	chr12_539	sig	hyper
chr12	53975601	53975800	*	1.02E-193	2.07E-192	0.22366	chr12_539	sig	hyper
chr12	53982201	53982400	*	5.38E-96	4.03E-95	0.181559	chr12_539	sig	hyper
chr12	53983601	53983800	*	6.42E-74	3.77E-73	0.145487	chr12_539	sig	hyper
chr12	53986201	53986400	*	4.65E-152	6.32E-151	0.136853	chr12_539	sig	hyper
chr12	53987201	53987400	*	2.89E-71	1.65E-70	0.137046	chr12_539	sig	hyper
chr12	53999601	53999800	*	1.38E-85	9.27E-85	0.185847	chr12_539	sig	hyper
chr12	54000201	54000400	*	1.01E-242	3.35E-241	0.15002	chr12_540	sig	hyper
chr12	54014601	54014800	*	1.16E-151	1.57E-150	0.260498	chr12_540	sig	hyper
chr12	54014801	54015000	*	0	0	0.379652	chr12_540	sig	hyper
chr12	54019201	54019400	*	5.24E-160	7.68E-159	0.264421	chr12_540	sig	hyper
chr12	54029601	54029800	*	0	0	0.282553	chr12_540	sig	hyper
chr12	54031201	54031400	*	4.44E-204	1.00E-202	0.285094	chr12_540	sig	hyper
chr12	54032801	54033000	*	8.94E-48	3.76E-47	0.121155	chr12_540	sig	hyper
chr12	54034201	54034400	*	3.75E-137	4.40E-136	0.240265	chr12_540	sig	hyper
chr12	54047001	54047200	*	3.35E-115	3.11E-114	0.290761	chr12_540	sig	hyper
chr12	54047201	54047400	*	0	0	0.380075	chr12_540	sig	hyper
chr12	54047401	54047600	*	0	0	0.407444	chr12_540	sig	hyper
chr12	54047601	54047800	*	0	0	0.350138	chr12_540	sig	hyper
chr12	54053401	54053600	*	1.67E-110	1.47E-109	0.212253	chr12_540	sig	hyper
chr12	54053801	54054000	*	8.75E-186	1.64E-184	0.259823	chr12_540	sig	hyper
chr12	54054001	54054200	*	2.30E-221	6.07E-220	0.341708	chr12_540	sig	hyper
chr12	54055001	54055200	*	2.78E-178	4.86E-177	0.316644	chr12_540	sig	hyper
chr12	54060401	54060600	*	1.13E-135	1.31E-134	0.192165	chr12_540	sig	hyper
chr12	54060601	54060800	*	1.71E-107	1.45E-106	0.184342	chr12_540	sig	hyper
chr12	54078201	54078400	*	4.56E-21	1.14E-20	0.120875	chr12_540	sig	hyper
chr12	54081601	54081800	*	1.26E-27	3.71E-27	0.124277	chr12_540	sig	hyper
chr12	54090401	54090600	*	0	0	0.238312	chr12_540	sig	hyper
chr12	54107001	54107200	*	9.69E-75	5.76E-74	0.271911	chr12_541	sig	hyper

chr12	54126601	54126800	*	4.77E-44	1.90E-43	0.176403	chr12_541	sig	hyper
chr12	55646201	55646400	*	2.31E-125	2.40E-124	0.121038	chr12_556	sig	hyper
chr12	55646401	55646600	*	7.70E-117	7.27E-116	0.129534	chr12_556	sig	hyper
chr12	56000201	56000400	*	3.77E-39	1.38E-38	-0.1719	chr12_560	sig	hypo
chr12	56021401	56021600	*	2.82E-22	7.29E-22	0.125906	chr12_560	sig	hyper
chr12	56488601	56488800	*	7.00E-32	2.26E-31	0.104395	chr12_564	sig	hyper
chr12	57175801	57176000	*	1.37E-56	6.48E-56	-0.1419	chr12_571	sig	hypo
chr12	57176001	57176200	*	1.57E-182	2.84E-181	-0.15942	chr12_571	sig	hypo
chr12	57236401	57236600	*	4.26E-51	1.87E-50	0.125083	chr12_572	sig	hyper
chr12	57236601	57236800	*	3.74E-46	1.53E-45	0.11381	chr12_572	sig	hyper
chr12	57621201	57621400	*	8.39E-164	1.28E-162	0.127837	chr12_576	sig	hyper
chr12	57628001	57628200	*	3.30E-169	5.34E-168	0.204554	chr12_576	sig	hyper
chr12	57628601	57628800	*	5.97E-115	5.52E-114	0.154804	chr12_576	sig	hyper
chr12	57628801	57629000	*	7.03E-38	2.52E-37	0.107598	chr12_576	sig	hyper
chr12	57632201	57632400	*	2.04E-68	1.12E-67	0.114704	chr12_576	sig	hyper
chr12	57632401	57632600	*	8.47E-197	1.77E-195	0.179989	chr12_576	sig	hyper
chr12	57727201	57727400	*	2.10E-28	6.26E-28	0.137697	chr12_577	sig	hyper
chr12	57727601	57727800	*	6.15E-88	4.22E-87	0.277892	chr12_577	sig	hyper
chr12	57727801	57728000	*	2.09E-19	5.01E-19	0.159973	chr12_577	sig	hyper
chr12	62191201	62191400	*	6.48E-154	8.99E-153	0.253838	chr12_621	sig	hyper
chr12	62191401	62191600	*	3.79E-173	6.36E-172	0.270493	chr12_621	sig	hyper
chr12	62191601	62191800	*	2.32E-139	2.78E-138	0.204069	chr12_621	sig	hyper
chr12	62192401	62192600	*	1.50E-97	1.14E-96	0.315707	chr12_621	sig	hyper
chr12	63150001	63150200	*	8.44E-58	4.06E-57	0.204678	chr12_631	sig	hyper
chr12	63151001	63151200	*	2.48E-99	1.94E-98	0.217794	chr12_631	sig	hyper
chr12	63151401	63151600	*	5.41E-88	3.71E-87	0.133176	chr12_631	sig	hyper
chr12	63668401	63668600	*	2.42E-302	1.36E-300	0.113414	chr12_636	sig	hyper
chr12	63669001	63669200	*	1.82E-280	8.20E-279	0.150817	chr12_636	sig	hyper
chr12	63669201	63669400	*	1.15E-150	1.54E-149	0.154421	chr12_636	sig	hyper
chr12	63821801	63822000	*	1.07E-61	5.40E-61	0.145436	chr12_638	sig	hyper
chr12	64390401	64390600	*	1.06E-165	1.64E-164	0.20765	chr12_643	sig	hyper
chr12	64390601	64390800	*	4.12E-211	9.92E-210	0.210999	chr12_643	sig	hyper
chr12	64825601	64825800	*	1.79E-53	8.12E-53	0.125554	chr12_648	sig	hyper
chr12	65278201	65278400	*	1.44E-52	6.47E-52	0.176929	chr12_652	sig	hyper
chr12	65729401	65729600	*	1.06E-82	6.90E-82	0.183861	chr12_657	sig	hyper
chr12	66188801	66189000	*	4.17E-27	1.21E-26	0.150115	chr12_661	sig	hyper
chr12	66189001	66189200	*	2.39E-20	5.87E-20	0.148245	chr12_661	sig	hyper
chr12	70920401	70920600	*	1.08E-103	8.85E-103	0.218853	chr12_709	sig	hyper
chr12	70920601	70920800	*	6.22E-38	2.23E-37	0.138229	chr12_709	sig	hyper
chr12	72271801	72272000	*	2.35E-137	2.76E-136	0.244009	chr12_722	sig	hyper
chr12	72272001	72272200	*	8.67E-227	2.43E-225	0.176143	chr12_722	sig	hyper
chr12	72273401	72273600	*	0	0	0.302932	chr12_722	sig	hyper
chr12	72273601	72273800	*	1.72E-154	2.39E-153	0.238309	chr12_722	sig	hyper
chr12	75207601	75207800	*	1.11E-248	3.89E-247	0.228496	chr12_752	sig	hyper
chr12	75208001	75208200	*	1.10E-143	1.37E-142	0.281673	chr12_752	sig	hyper
chr12	75209201	75209400	*	1.22E-200	2.65E-199	0.298038	chr12_752	sig	hyper
chr12	78864601	78864800	*	6.94E-276	3.02E-274	0.217163	chr12_788	sig	hyper
chr12	78865001	78865200	*	0	0	0.284451	chr12_788	sig	hyper
chr12	80400601	80400800	*	6.65E-34	2.23E-33	0.114294	chr12_804	sig	hyper
chr12	80708601	80708800	*	0	0	0.274235	chr12_807	sig	hyper
chr12	80708801	80709000	*	9.24E-98	7.07E-97	0.20293	chr12_807	sig	hyper
chr12	80716801	80717000	*	3.75E-98	2.88E-97	0.237294	chr12_807	sig	hyper
chr12	81077601	81077800	*	0	0	0.364688	chr12_810	sig	hyper
chr12	81077801	81078000	*	0	0	0.386902	chr12_810	sig	hyper
chr12	81078201	81078400	*	1.46E-192	2.94E-191	0.238638	chr12_810	sig	hyper
chr12	81758401	81758600	*	3.90E-109	3.38E-108	0.139784	chr12_817	sig	hyper

chr12	81758601	81758800	*	2.11E-80	1.34E-79	0.194606	chr12_817	sig	hyper
chr12	81759201	81759400	*	4.39E-41	1.66E-40	0.115632	chr12_817	sig	hyper
chr12	81759401	81759600	*	3.68E-121	3.65E-120	0.131078	chr12_817	sig	hyper
chr12	81759601	81759800	*	7.55E-71	4.28E-70	0.172174	chr12_817	sig	hyper
chr12	84155201	84155400	*	3.70E-15	7.78E-15	-0.12205	chr12_841	sig	hypo
chr12	84911801	84912000	*	2.22E-177	3.85E-176	0.165354	chr12_849	sig	hyper
chr12	84912001	84912200	*	2.40E-149	3.19E-148	0.330761	chr12_849	sig	hyper
chr12	84912401	84912600	*	3.26E-183	5.95E-182	0.314488	chr12_849	sig	hyper
chr12	84912601	84912800	*	4.03E-205	9.23E-204	0.293421	chr12_849	sig	hyper
chr12	84913201	84913400	*	1.05E-119	1.02E-118	0.242796	chr12_849	sig	hyper
chr12	85273401	85273600	*	1.96E-152	2.67E-151	0.242937	chr12_852	sig	hyper
chr12	85273601	85273800	*	8.24E-220	2.14E-218	0.263067	chr12_852	sig	hyper
chr12	85273801	85274000	*	2.36E-303	1.34E-301	0.315927	chr12_852	sig	hyper
chr12	85278001	85278200	*	1.78E-116	1.67E-115	0.189138	chr12_852	sig	hyper
chr12	85278401	85278600	*	1.93E-154	2.68E-153	0.197877	chr12_852	sig	hyper
chr12	85278801	85279000	*	2.17E-41	8.28E-41	0.129887	chr12_852	sig	hyper
chr12	85279401	85279600	*	0	0	0.280813	chr12_852	sig	hyper
chr12	85280001	85280200	*	2.97E-96	2.24E-95	0.122354	chr12_852	sig	hyper
chr12	89350601	89350800	*	1.15E-127	1.22E-126	-0.17435	chr12_893	sig	hypo
chr12	94150001	94150200	*	1.79E-69	1.00E-68	0.104712	chr12_941	sig	hyper
chr12	95548001	95548200	*	0	0	0.232547	chr12_955	sig	hyper
chr12	95549001	95549200	*	0.00E+00	0.00E+00	0.213353	chr12_955	sig	hyper
chr12	95549201	95549400	*	3.00E-61	1.50E-60	0.164176	chr12_955	sig	hyper
chr12	95857801	95858000	*	9.04E-51	3.96E-50	0.190894	chr12_958	sig	hyper
chr12	96489401	96489600	*	1.08E-256	4.05E-255	0.132912	chr12_964	sig	hyper
chr12	96490001	96490200	*	2.66E-28	7.94E-28	0.171662	chr12_964	sig	hyper
chr12	98455601	98455800	*	1.29E-46	5.35E-46	-0.11758	chr12_984	sig	hypo
chr12	98455801	98456000	*	6.49E-33	2.14E-32	-0.12751	chr12_984	sig	hypo
chr12	98742201	98742400	*	2.64E-20	6.48E-20	0.111482	chr12_987	sig	hyper
chr12	98745601	98745800	*	0	0	0.193007	chr12_987	sig	hyper
chr12	98745801	98746000	*	4.85E-100	3.81E-99	0.147515	chr12_987	sig	hyper
chr12	98893601	98893800	*	3.29E-105	2.74E-104	0.176304	chr12_988	sig	hyper
chr12	98893801	98894000	*	7.26E-117	6.86E-116	0.211428	chr12_988	sig	hyper
chr12	98895401	98895600	*	1.42E-140	1.72E-139	0.341998	chr12_988	sig	hyper
chr12	101642401	101642600	*	1.26E-82	8.20E-82	0.156245	chr12_101	sig	hyper
chr12	101642601	101642800	*	4.05E-23	1.07E-22	0.11762	chr12_101	sig	hyper
chr12	102824601	102824800	*	2.47E-94	1.82E-93	0.219541	chr12_102	sig	hyper
chr12	102824801	102825000	*	4.58E-106	3.84E-105	0.248019	chr12_102	sig	hyper
chr12	102950601	102950800	*	2.73E-113	2.47E-112	0.157745	chr12_102	sig	hyper
chr12	102950801	102951000	*	1.28E-87	8.76E-87	0.116729	chr12_102	sig	hyper
chr12	102958601	102958800	*	9.66E-113	8.71E-112	0.131917	chr12_102	sig	hyper
chr12	102961201	102961400	*	2.08E-207	4.88E-206	0.276133	chr12_102	sig	hyper
chr12	102961401	102961600	*	3.57E-263	1.41E-261	0.24639	chr12_102	sig	hyper
chr12	102962201	102962400	*	1.47E-175	2.51E-174	0.174397	chr12_102	sig	hyper
chr12	103302201	103302400	*	4.72E-136	5.47E-135	0.312581	chr12_103	sig	hyper
chr12	104050001	104050200	*	6.61E-74	3.88E-73	0.100964	chr12_104	sig	hyper
chr12	104216201	104216400	*	5.14E-21	1.28E-20	0.100933	chr12_104	sig	hyper
chr12	104303401	104303600	*	3.18E-222	8.49E-221	0.328054	chr12_104	sig	hyper
chr12	104303601	104303800	*	0	0	0.26813	chr12_104	sig	hyper
chr12	104303801	104304000	*	4.59E-123	4.64E-122	0.249498	chr12_104	sig	hyper
chr12	104382201	104382400	*	3.50E-17	7.87E-17	-0.11057	chr12_104	sig	hypo
chr12	104457401	104457600	*	1.79E-83	1.17E-82	0.231876	chr12_104	sig	hyper
chr12	104458201	104458400	*	2.62E-164	4.00E-163	0.175487	chr12_104	sig	hyper
chr12	104458401	104458600	*	3.60E-61	1.80E-60	0.120854	chr12_104	sig	hyper
chr12	104458601	104458800	*	2.40E-40	9.00E-40	0.112358	chr12_104	sig	hyper
chr12	104459401	104459600	*	6.24E-18	1.43E-17	0.108956	chr12_104	sig	hyper

chr12	106580401	106580600	*	2.07E-51	9.14E-51	0.181032	chr12_106	sig	hyper
chr12	106581201	106581400	*	1.75E-69	9.79E-69	0.101514	chr12_106	sig	hyper
chr12	106582801	106583000	*	1.57E-113	1.42E-112	0.105673	chr12_106	sig	hyper
chr12	106585401	106585600	*	1.24E-190	2.45E-189	0.28166	chr12_106	sig	hyper
chr12	106585601	106585800	*	5.77E-243	1.91E-241	0.272406	chr12_106	sig	hyper
chr12	106585801	106586000	*	6.25E-118	5.98E-117	0.182565	chr12_106	sig	hyper
chr12	106586001	106586200	*	4.12E-142	5.08E-141	0.155021	chr12_106	sig	hyper
chr12	106586401	106586600	*	7.34E-172	1.22E-170	0.185954	chr12_106	sig	hyper
chr12	106586601	106586800	*	5.99E-43	2.34E-42	0.12081	chr12_106	sig	hyper
chr12	106594401	106594600	*	3.54E-24	9.63E-24	0.105553	chr12_106	sig	hyper
chr12	106594601	106594800	*	5.24E-42	2.02E-41	0.120562	chr12_106	sig	hyper
chr12	106903201	106903400	*	7.56E-27	2.19E-26	0.108484	chr12_106	sig	hyper
chr12	107775201	107775400	*	1.53E-108	1.32E-107	0.254475	chr12_107	sig	hyper
chr12	107864201	107864400	*	4.16E-37	1.47E-36	0.174352	chr12_107	sig	hyper
chr12	108130001	108130200	*	3.28E-56	1.55E-55	0.183648	chr12_108	sig	hyper
chr12	108880001	108880200	*	2.98E-51	1.31E-50	-0.15819	chr12_108	sig	hypo
chr12	109606601	109606800	*	5.19E-169	8.36E-168	-0.28014	chr12_109	sig	hypo
chr12	109606801	109607000	*	4.18E-102	3.37E-101	-0.29366	chr12_109	sig	hypo
chr12	110430201	110430400	*	2.52E-16	5.53E-16	-0.11021	chr12_110	sig	hypo
chr12	110743801	110744000	*	3.91E-23	1.03E-22	-0.11582	chr12_110	sig	hypo
chr12	111033401	111033600	*	1.02E-109	8.86E-109	0.278407	chr12_111	sig	hyper
chr12	111033601	111033800	*	2.44E-125	2.53E-124	0.341028	chr12_111	sig	hyper
chr12	111034001	111034200	*	2.39E-192	4.80E-191	0.30052	chr12_111	sig	hyper
chr12	111035801	111036000	*	9.90E-175	1.69E-173	0.223291	chr12_111	sig	hyper
chr12	111036201	111036400	*	2.00E-165	3.11E-164	0.171078	chr12_111	sig	hyper
chr12	111287601	111287800	*	2.25E-104	1.85E-103	-0.32244	chr12_111	sig	hypo
chr12	111403201	111403400	*	8.35E-40	3.10E-39	-0.1085	chr12_111	sig	hypo
chr12	111435601	111435800	*	1.85E-13	3.67E-13	-0.10079	chr12_111	sig	hypo
chr12	113077601	113077800	*	1.66E-19	3.99E-19	0.11009	chr12_113	sig	hyper
chr12	113093601	113093800	*	1.64E-53	7.46E-53	-0.15887	chr12_113	sig	hypo
chr12	113463401	113463600	*	4.14E-93	3.01E-92	0.148986	chr12_113	sig	hyper
chr12	113464401	113464600	*	1.51E-153	2.09E-152	0.218086	chr12_113	sig	hyper
chr12	113464801	113465000	*	3.28E-37	1.16E-36	0.1709	chr12_113	sig	hyper
chr12	113467201	113467400	*	9.49E-280	4.25E-278	0.128442	chr12_113	sig	hyper
chr12	113469201	113469400	*	2.45E-74	1.45E-73	0.130222	chr12_113	sig	hyper
chr12	113476001	113476200	*	0	0	0.27791	chr12_113	sig	hyper
chr12	113479601	113479800	*	0	0	0.2642	chr12_113	sig	hyper
chr12	113479801	113480000	*	2.45E-139	2.93E-138	0.185843	chr12_113	sig	hyper
chr12	113669801	113670000	*	0	0	0.265296	chr12_113	sig	hyper
chr12	114395801	114396000	*	9.36E-81	5.96E-80	0.236913	chr12_114	sig	hyper
chr12	114396001	114396200	*	4.60E-61	2.30E-60	0.180203	chr12_114	sig	hyper
chr12	114401001	114401200	*	9.99E-137	1.16E-135	0.202564	chr12_114	sig	hyper
chr12	114403001	114403200	*	3.26E-163	4.93E-162	0.226083	chr12_114	sig	hyper
chr12	114403801	114404000	*	2.22E-113	2.01E-112	0.214531	chr12_114	sig	hyper
chr12	114404801	114405000	*	3.50E-113	3.17E-112	0.218334	chr12_114	sig	hyper
chr12	114405401	114405600	*	6.71E-207	1.57E-205	0.221483	chr12_114	sig	hyper
chr12	114405601	114405800	*	1.06E-189	2.07E-188	0.254711	chr12_114	sig	hyper
chr12	114405801	114406000	*	9.03E-75	5.37E-74	0.153368	chr12_114	sig	hyper
chr12	114406401	114406600	*	1.02E-94	7.54E-94	0.192244	chr12_114	sig	hyper
chr12	114408401	114408600	*	5.60E-234	1.70E-232	0.290671	chr12_114	sig	hyper
chr12	114408601	114408800	*	1.12E-80	7.13E-80	0.193475	chr12_114	sig	hyper
chr12	114409601	114409800	*	1.95E-295	1.02E-293	0.20789	chr12_114	sig	hyper
chr12	114414201	114414400	*	5.98E-141	7.26E-140	0.123326	chr12_114	sig	hyper
chr12	114414401	114414600	*	5.16E-186	9.71E-185	0.252266	chr12_114	sig	hyper
chr12	114439201	114439400	*	2.49E-89	1.73E-88	0.195715	chr12_114	sig	hyper
chr12	114439601	114439800	*	3.06E-146	3.93E-145	0.270447	chr12_114	sig	hyper

chr12	114440601	114440800	*	1.53E-240	4.96E-239	0.27431	chr12_114	sig	hyper
chr12	114441001	114441200	*	2.34E-242	7.71E-241	0.242479	chr12_114	sig	hyper
chr12	114443801	114444000	*	1.50E-213	3.68E-212	0.192055	chr12_114	sig	hyper
chr12	114445401	114445600	*	5.04E-39	1.85E-38	0.13047	chr12_114	sig	hyper
chr12	114447401	114447600	*	1.25E-147	1.63E-146	0.207388	chr12_114	sig	hyper
chr12	114666401	114666600	*	9.44E-49	4.03E-48	0.162315	chr12_114	sig	hyper
chr12	114667001	114667200	*	3.21E-72	1.85E-71	0.103341	chr12_114	sig	hyper
chr12	114669401	114669600	*	4.28E-46	1.76E-45	-0.18796	chr12_114	sig	hypo
chr12	114669601	114669800	*	1.24E-30	3.88E-30	-0.10833	chr12_114	sig	hypo
chr12	114686801	114687000	*	1.67E-159	2.43E-158	0.19243	chr12_114	sig	hyper
chr12	114687001	114687200	*	0.00E+00	0.00E+00	0.217401	chr12_114	sig	hyper
chr12	114687201	114687400	*	7.43E-224	2.02E-222	0.211879	chr12_114	sig	hyper
chr12	114696401	114696600	*	3.99E-138	4.73E-137	0.201997	chr12_114	sig	hyper
chr12	114696601	114696800	*	9.91E-179	1.74E-177	0.229813	chr12_114	sig	hyper
chr12	114697001	114697200	*	4.60E-59	2.25E-58	0.134356	chr12_114	sig	hyper
chr12	114697201	114697400	*	8.23E-210	1.96E-208	0.191371	chr12_114	sig	hyper
chr12	114697401	114697600	*	2.41E-83	1.58E-82	0.112063	chr12_114	sig	hyper
chr12	114699801	114700000	*	5.34E-98	4.10E-97	0.182406	chr12_114	sig	hyper
chr12	114700001	114700200	*	2.63E-32	8.56E-32	0.168075	chr12_114	sig	hyper
chr12	114700201	114700400	*	1.71E-34	5.79E-34	0.135895	chr12_114	sig	hyper
chr12	114700601	114700800	*	5.55E-37	1.96E-36	0.159272	chr12_114	sig	hyper
chr12	114734801	114735000	*	3.68E-39	1.35E-38	0.126811	chr12_114	sig	hyper
chr12	114735801	114736000	*	1.10E-267	4.52E-266	0.311833	chr12_114	sig	hyper
chr12	115606201	115606400	*	4.44E-67	2.40E-66	0.171079	chr12_115	sig	hyper
chr12	116506401	116506600	*	6.59E-16	1.42E-15	-0.12256	chr12_116	sig	hypo
chr12	116818801	116819000	*	9.59E-18	2.19E-17	-0.13828	chr12_116	sig	hypo
chr12	116882001	116882200	*	7.92E-136	9.17E-135	0.110973	chr12_116	sig	hyper
chr12	117032601	117032800	*	1.25E-39	4.63E-39	0.179909	chr12_117	sig	hyper
chr12	117033801	117034000	*	9.79E-67	5.27E-66	0.206006	chr12_117	sig	hyper
chr12	117045201	117045400	*	3.53E-122	3.54E-121	0.196389	chr12_117	sig	hyper
chr12	117045401	117045600	*	2.60E-29	7.95E-29	0.143377	chr12_117	sig	hyper
chr12	117189401	117189600	*	5.26E-54	2.41E-53	0.14242	chr12_117	sig	hyper
chr12	117359401	117359600	*	3.94E-37	1.40E-36	0.153998	chr12_117	sig	hyper
chr12	118774401	118774600	*	4.54E-121	4.49E-120	0.209286	chr12_118	sig	hyper
chr12	118980801	118981000	*	6.07E-158	8.74E-157	0.217818	chr12_118	sig	hyper
chr12	118981201	118981400	*	1.09E-73	6.38E-73	0.223725	chr12_118	sig	hyper
chr12	119593801	119594000	*	1.17E-103	9.59E-103	0.198786	chr12_119	sig	hyper
chr12	119803601	119803800	*	3.01E-37	1.07E-36	0.109189	chr12_119	sig	hyper
chr12	120263201	120263400	*	2.06E-18	4.81E-18	-0.12134	chr12_120	sig	hypo
chr12	120282401	120282600	*	3.24E-31	1.03E-30	-0.11774	chr12_120	sig	hypo
chr12	120361801	120362000	*	2.40E-107	2.04E-106	0.193125	chr12_120	sig	hyper
chr12	120397801	120398000	*	1.64E-95	1.22E-94	0.10913	chr12_120	sig	hyper
chr12	120398001	120398200	*	1.49E-20	3.68E-20	0.113301	chr12_120	sig	hyper
chr12	120583801	120584000	*	1.28E-64	6.71E-64	-0.13478	chr12_120	sig	hypo
chr12	120716601	120716800	*	2.81E-26	8.03E-26	-0.13691	chr12_120	sig	hypo
chr12	121221801	121222000	*	9.00E-33	2.95E-32	-0.11426	chr12_121	sig	hypo
chr12	121781001	121781200	*	3.87E-27	1.13E-26	-0.11061	chr12_121	sig	hypo
chr12	121918001	121918200	*	3.14E-42	1.22E-41	-0.14965	chr12_121	sig	hypo
chr12	121918201	121918400	*	1.75E-20	4.31E-20	-0.10747	chr12_121	sig	hypo
chr12	122730201	122730400	*	7.17E-49	3.06E-48	-0.17331	chr12_122	sig	hypo
chr12	122868201	122868400	*	5.29E-43	2.07E-42	0.122242	chr12_122	sig	hyper
chr12	123909201	123909400	*	4.34E-157	6.21E-156	-0.22892	chr12_123	sig	hypo
chr12	123913201	123913400	*	1.63E-208	3.85E-207	-0.23763	chr12_123	sig	hypo
chr12	123931601	123931800	*	1.83E-255	6.81E-254	-0.31538	chr12_123	sig	hypo
chr12	124388601	124388800	*	1.68E-31	5.37E-31	0.116868	chr12_124	sig	hyper
chr12	124457401	124457600	*	2.87E-32	9.35E-32	0.187272	chr12_124	sig	hyper

chr12	124466001	124466200	*	8.39E-70	4.70E-69	0.163311	chr12_124	sig	hyper
chr12	124466201	124466400	*	6.89E-92	4.93E-91	0.152002	chr12_124	sig	hyper
chr12	124543601	124543800	*	2.98E-49	1.28E-48	0.16017	chr12_124	sig	hyper
chr12	124618601	124618800	*	2.02E-56	9.52E-56	-0.10604	chr12_124	sig	hypo
chr12	124772601	124772800	*	7.91E-17	1.76E-16	-0.1022	chr12_124	sig	hypo
chr12	125111001	125111200	*	3.39E-24	9.22E-24	-0.14811	chr12_125	sig	hypo
chr12	126727801	126728000	*	3.38E-289	1.70E-287	0.231085	chr12_126	sig	hyper
chr12	127280601	127280800	*	8.63E-52	3.83E-51	0.118869	chr12_127	sig	hyper
chr12	127280801	127281000	*	2.01E-36	7.03E-36	0.116392	chr12_127	sig	hyper
chr12	128268401	128268600	*	1.15E-110	1.01E-109	0.165044	chr12_128	sig	hyper
chr12	128365801	128366000	*	7.63E-79	4.76E-78	0.195142	chr12_128	sig	hyper
chr12	128366001	128366200	*	3.83E-227	1.08E-225	0.182604	chr12_128	sig	hyper
chr12	128795801	128796000	*	5.10E-37	1.80E-36	0.104461	chr12_128	sig	hyper
chr12	128824401	128824600	*	7.20E-45	2.89E-44	0.10187	chr12_128	sig	hyper
chr12	128824601	128824800	*	2.18E-84	1.44E-83	0.128924	chr12_128	sig	hyper
chr12	128854201	128854400	*	5.05E-123	5.10E-122	0.22215	chr12_128	sig	hyper
chr12	128976401	128976600	*	2.36E-182	4.26E-181	0.165278	chr12_128	sig	hyper
chr12	129926601	129926800	*	4.97E-66	2.66E-65	-0.15331	chr12_129	sig	hypo
chr12	130017601	130017800	*	8.71E-79	5.43E-78	0.136876	chr12_130	sig	hyper
chr12	130017801	130018000	*	2.27E-60	1.13E-59	0.137789	chr12_130	sig	hyper
chr12	130042201	130042400	*	0	0	0.276078	chr12_130	sig	hyper
chr12	130045401	130045600	*	3.26E-66	1.75E-65	0.112166	chr12_130	sig	hyper
chr12	130106001	130106200	*	1.28E-31	4.11E-31	0.122773	chr12_130	sig	hyper
chr12	130137001	130137200	*	2.25E-74	1.33E-73	0.15539	chr12_130	sig	hyper
chr12	130161401	130161600	*	1.10E-138	1.31E-137	0.237283	chr12_130	sig	hyper
chr12	130164401	130164600	*	5.50E-46	2.25E-45	0.166639	chr12_130	sig	hyper
chr12	130336801	130337000	*	4.03E-65	2.13E-64	-0.12773	chr12_130	sig	hypo
chr12	130339201	130339400	*	2.36E-34	7.97E-34	0.187247	chr12_130	sig	hyper
chr12	130339401	130339600	*	7.12E-58	3.43E-57	0.103298	chr12_130	sig	hyper
chr12	130425001	130425200	*	2.58E-29	7.87E-29	-0.11915	chr12_130	sig	hypo
chr12	130447401	130447600	*	7.37E-30	2.28E-29	-0.11292	chr12_130	sig	hypo
chr12	130473601	130473800	*	1.17E-26	3.36E-26	-0.10761	chr12_130	sig	hypo
chr12	130478801	130479000	*	1.22E-83	8.04E-83	-0.12373	chr12_130	sig	hypo
chr12	130711801	130712000	*	1.05E-69	5.88E-69	-0.15588	chr12_130	sig	hypo
chr12	130712401	130712600	*	1.12E-37	4.02E-37	-0.12709	chr12_130	sig	hypo
chr12	130716001	130716200	*	1.18E-180	2.09E-179	0.223602	chr12_130	sig	hyper
chr12	130761401	130761600	*	4.28E-26	1.22E-25	-0.12928	chr12_130	sig	hypo
chr12	130762001	130762200	*	8.52E-51	3.73E-50	0.153361	chr12_130	sig	hyper
chr12	130916201	130916400	*	2.33E-91	1.66E-90	0.181144	chr12_130	sig	hyper
chr12	130954001	130954200	*	2.56E-122	2.57E-121	0.147959	chr12_130	sig	hyper
chr12	130971001	130971200	*	1.91E-36	6.68E-36	-0.11752	chr12_130	sig	hypo
chr12	131000001	131000200	*	3.07E-67	1.67E-66	-0.1169	chr12_131	sig	hypo
chr12	131028001	131028200	*	1.68E-91	1.20E-90	-0.13186	chr12_131	sig	hypo
chr12	131042601	131042800	*	1.09E-99	8.51E-99	-0.17869	chr12_131	sig	hypo
chr12	131050801	131051000	*	2.12E-63	1.09E-62	-0.10966	chr12_131	sig	hypo
chr12	131057401	131057600	*	5.09E-33	1.68E-32	-0.1111	chr12_131	sig	hypo
chr12	131088801	131089000	*	2.76E-38	9.98E-38	-0.13871	chr12_131	sig	hypo
chr12	131095801	131096000	*	1.60E-20	3.96E-20	-0.10318	chr12_131	sig	hypo
chr12	131096001	131096200	*	5.94E-60	2.93E-59	-0.2007	chr12_131	sig	hypo
chr12	131380601	131380800	*	1.75E-55	8.16E-55	0.14105	chr12_131	sig	hyper
chr12	131474401	131474600	*	4.53E-36	1.58E-35	-0.15591	chr12_131	sig	hypo
chr12	131617401	131617600	*	2.89E-43	1.14E-42	-0.1003	chr12_131	sig	hypo
chr12	131853801	131854000	*	2.29E-110	2.01E-109	-0.19329	chr12_131	sig	hypo
chr12	131939001	131939200	*	9.06E-35	3.09E-34	-0.15116	chr12_131	sig	hypo
chr12	132132001	132132200	*	1.04E-37	3.71E-37	-0.10325	chr12_132	sig	hypo
chr12	132154401	132154600	*	2.35E-33	7.78E-33	-0.10892	chr12_132	sig	hypo

chr12	132167801	132168000	*	1.41E-72	8.14E-72	-0.11204	chr12_132	sig	hypo
chr12	132168601	132168800	*	3.80E-67	2.06E-66	-0.13368	chr12_132	sig	hypo
chr12	132173201	132173400	*	2.28E-57	1.09E-56	-0.13837	chr12_132	sig	hypo
chr12	132178801	132179000	*	3.94E-74	2.31E-73	-0.12936	chr12_132	sig	hypo
chr12	132179001	132179200	*	5.26E-51	2.31E-50	-0.14045	chr12_132	sig	hypo
chr12	132180801	132181000	*	1.17E-32	3.84E-32	-0.12594	chr12_132	sig	hypo
chr12	132186601	132186800	*	4.16E-56	1.96E-55	-0.10466	chr12_132	sig	hypo
chr12	132187001	132187200	*	5.52E-156	7.79E-155	-0.23997	chr12_132	sig	hypo
chr12	132202201	132202400	*	1.34E-37	4.79E-37	-0.14781	chr12_132	sig	hypo
chr12	132215201	132215400	*	3.08E-57	1.47E-56	-0.21879	chr12_132	sig	hypo
chr12	132250001	132250200	*	5.65E-52	2.51E-51	-0.18609	chr12_132	sig	hypo
chr12	132261001	132261200	*	0	0	-0.27221	chr12_132	sig	hypo
chr12	132278601	132278800	*	1.91E-37	6.80E-37	0.105578	chr12_132	sig	hyper
chr12	132286001	132286200	*	3.44E-22	8.86E-22	0.104988	chr12_132	sig	hyper
chr12	132287201	132287400	*	1.72E-65	9.12E-65	-0.12132	chr12_132	sig	hypo
chr12	132295401	132295600	*	9.35E-30	2.88E-29	-0.13283	chr12_132	sig	hypo
chr12	132319801	132320000	*	9.61E-71	5.44E-70	-0.15629	chr12_132	sig	hypo
chr12	132329001	132329200	*	9.75E-221	2.55E-219	0.233818	chr12_132	sig	hyper
chr12	132331801	132332000	*	1.42E-27	4.18E-27	-0.10161	chr12_132	sig	hypo
chr12	132340001	132340200	*	1.91E-24	5.23E-24	-0.10561	chr12_132	sig	hypo
chr12	132343601	132343800	*	4.64E-52	2.07E-51	0.152519	chr12_132	sig	hyper
chr12	132356601	132356800	*	1.34E-97	1.03E-96	-0.20374	chr12_132	sig	hypo
chr12	132374401	132374600	*	2.70E-43	1.06E-42	-0.12458	chr12_132	sig	hypo
chr12	132380201	132380400	*	3.98E-83	2.60E-82	-0.1815	chr12_132	sig	hypo
chr12	132393601	132393800	*	5.19E-33	1.71E-32	-0.10512	chr12_132	sig	hypo
chr12	132396001	132396200	*	2.67E-58	1.29E-57	-0.14561	chr12_132	sig	hypo
chr12	132400001	132400200	*	7.58E-63	3.88E-62	-0.14511	chr12_132	sig	hypo
chr12	132402801	132403000	*	3.23E-31	1.03E-30	-0.15951	chr12_132	sig	hypo
chr12	132403601	132403800	*	2.57E-69	1.43E-68	-0.18154	chr12_132	sig	hypo
chr12	132407601	132407800	*	1.91E-116	1.80E-115	-0.25856	chr12_132	sig	hypo
chr12	132423801	132424000	*	2.01E-49	8.65E-49	-0.12869	chr12_132	sig	hypo
chr12	132426401	132426600	*	3.08E-89	2.14E-88	-0.2613	chr12_132	sig	hypo
chr12	132426801	132427000	*	4.16E-23	1.10E-22	-0.11528	chr12_132	sig	hypo
chr12	132429001	132429200	*	4.01E-62	2.03E-61	-0.16061	chr12_132	sig	hypo
chr12	132434001	132434200	*	7.05E-48	2.97E-47	-0.10925	chr12_132	sig	hypo
chr12	132440001	132440200	*	2.39E-50	1.04E-49	-0.15149	chr12_132	sig	hypo
chr12	132446001	132446200	*	2.73E-100	2.15E-99	-0.10829	chr12_132	sig	hypo
chr12	132446201	132446400	*	1.87E-78	1.16E-77	-0.12336	chr12_132	sig	hypo
chr12	132452201	132452400	*	1.01E-38	3.68E-38	-0.14676	chr12_132	sig	hypo
chr12	132472601	132472800	*	9.62E-35	3.27E-34	-0.11974	chr12_132	sig	hypo
chr12	132474201	132474400	*	3.28E-78	2.02E-77	-0.18144	chr12_132	sig	hypo
chr12	132474401	132474600	*	2.54E-65	1.34E-64	-0.20866	chr12_132	sig	hypo
chr12	132523801	132524000	*	6.82E-36	2.37E-35	-0.10157	chr12_132	sig	hypo
chr12	132524801	132525000	*	2.00E-68	1.10E-67	-0.13558	chr12_132	sig	hypo
chr12	132559001	132559200	*	1.08E-40	4.07E-40	-0.11097	chr12_132	sig	hypo
chr12	132585001	132585200	*	1.40E-51	6.22E-51	-0.11682	chr12_132	sig	hypo
chr12	132585201	132585400	*	2.11E-37	7.52E-37	-0.10251	chr12_132	sig	hypo
chr12	132593601	132593800	*	2.13E-23	5.67E-23	-0.10575	chr12_132	sig	hypo
chr12	132601601	132601800	*	1.03E-54	4.74E-54	-0.13879	chr12_132	sig	hypo
chr12	132609001	132609200	*	5.39E-49	2.31E-48	-0.11605	chr12_132	sig	hypo
chr12	132766801	132767000	*	2.83E-107	2.40E-106	-0.24439	chr12_132	sig	hypo
chr12	132887001	132887200	*	2.38E-61	1.20E-60	0.107502	chr12_132	sig	hyper
chr12	132888201	132888400	*	2.03E-66	1.09E-65	0.142952	chr12_132	sig	hyper
chr12	132904801	132905000	*	0	0	0.29264	chr12_132	sig	hyper
chr12	132908001	132908200	*	4.23E-174	7.16E-173	0.226587	chr12_132	sig	hyper
chr12	132908201	132908400	*	2.80E-168	4.46E-167	0.162404	chr12_132	sig	hyper

chr12	132909001	132909200	*	1.54E-113	1.40E-112	0.107245	chr12_132	sig	hyper
chr12	132977001	132977200	*	4.46E-47	1.86E-46	0.166994	chr12_132	sig	hyper
chr13	18874801	18875000	*	2.95E-32	9.61E-32	0.123979	chr13_188	sig	hyper
chr13	19564801	19565000	*	1.57E-49	6.75E-49	0.142328	chr13_195	sig	hyper
chr13	20129201	20129400	*	5.42E-32	1.75E-31	-0.1109	chr13_201	sig	hypo
chr13	20137401	20137600	*	2.79E-159	4.07E-158	-0.26891	chr13_201	sig	hypo
chr13	20143201	20143400	*	5.82E-83	3.79E-82	-0.10801	chr13_201	sig	hypo
chr13	20194001	20194200	*	3.10E-68	1.71E-67	0.125702	chr13_201	sig	hyper
chr13	20223401	20223600	*	3.02E-29	9.20E-29	-0.11136	chr13_202	sig	hypo
chr13	20298001	20298200	*	9.05E-16	1.94E-15	-0.11682	chr13_202	sig	hypo
chr13	20301801	20302000	*	6.07E-56	2.85E-55	0.197025	chr13_203	sig	hyper
chr13	20713001	20713200	*	9.08E-96	6.78E-95	-0.20907	chr13_207	sig	hypo
chr13	20717001	20717200	*	1.78E-19	4.28E-19	-0.11189	chr13_207	sig	hypo
chr13	20717201	20717400	*	9.70E-46	3.95E-45	-0.10198	chr13_207	sig	hypo
chr13	20717801	20718000	*	1.83E-36	6.40E-36	-0.13275	chr13_207	sig	hypo
chr13	20721401	20721600	*	1.11E-16	2.45E-16	0.100344	chr13_207	sig	hyper
chr13	20946201	20946400	*	0	0	0.298869	chr13_209	sig	hyper
chr13	21319001	21319200	*	4.50E-80	2.84E-79	0.123616	chr13_213	sig	hyper
chr13	21326601	21326800	*	1.25E-31	4.00E-31	-0.11149	chr13_213	sig	hypo
chr13	21668801	21669000	*	1.91E-224	5.23E-223	0.353659	chr13_216	sig	hyper
chr13	22926001	22926200	*	1.22E-23	3.27E-23	0.150081	chr13_229	sig	hyper
chr13	22926201	22926400	*	1.44E-75	8.62E-75	0.260186	chr13_229	sig	hyper
chr13	23147801	23148000	*	5.05E-25	1.40E-24	-0.10976	chr13_231	sig	hypo
chr13	23547201	23547400	*	1.06E-168	1.70E-167	0.232174	chr13_235	sig	hyper
chr13	24542201	24542400	*	1.57E-25	4.40E-25	0.101023	chr13_245	sig	hyper
chr13	24932001	24932200	*	6.80E-302	3.79E-300	0.242606	chr13_249	sig	hyper
chr13	25046801	25047000	*	1.78E-277	7.88E-276	0.279556	chr13_250	sig	hyper
chr13	25095801	25096000	*	1.83E-89	1.27E-88	0.200939	chr13_250	sig	hyper
chr13	25096001	25096200	*	1.08E-173	1.82E-172	0.249426	chr13_250	sig	hyper
chr13	25097201	25097400	*	2.67E-29	8.15E-29	-0.10346	chr13_250	sig	hypo
chr13	25171601	25171800	*	2.19E-258	8.34E-257	0.317842	chr13_251	sig	hyper
chr13	25171801	25172000	*	3.70E-264	1.47E-262	0.3018	chr13_251	sig	hyper
chr13	25301001	25301200	*	6.69E-46	2.74E-45	0.166813	chr13_253	sig	hyper
chr13	25301201	25301400	*	8.25E-26	2.33E-25	0.100607	chr13_253	sig	hyper
chr13	25372601	25372800	*	4.65E-273	1.97E-271	0.390388	chr13_253	sig	hyper
chr13	26012201	26012400	*	1.65E-78	1.02E-77	0.215291	chr13_260	sig	hyper
chr13	26046401	26046600	*	4.36E-24	1.18E-23	-0.12704	chr13_260	sig	hypo
chr13	26049601	26049800	*	1.75E-89	1.22E-88	0.179797	chr13_260	sig	hyper
chr13	26051001	26051200	*	3.26E-100	2.57E-99	0.227189	chr13_260	sig	hyper
chr13	26051201	26051400	*	7.75E-94	5.67E-93	0.180892	chr13_260	sig	hyper
chr13	26742801	26743000	*	1.14E-71	6.51E-71	0.194753	chr13_267	sig	hyper
chr13	26759601	26759800	*	1.20E-48	5.10E-48	0.133848	chr13_267	sig	hyper
chr13	26760001	26760200	*	5.10E-197	1.07E-195	0.190562	chr13_267	sig	hyper
chr13	26760201	26760400	*	9.59E-105	7.93E-104	0.202427	chr13_267	sig	hyper
chr13	27791601	27791800	*	6.18E-36	2.15E-35	0.178553	chr13_277	sig	hyper
chr13	27792601	27792800	*	1.30E-289	6.60E-288	0.316403	chr13_277	sig	hyper
chr13	27793001	27793200	*	4.86E-109	4.20E-108	0.383487	chr13_277	sig	hyper
chr13	27794801	27795000	*	3.83E-109	3.32E-108	0.237469	chr13_277	sig	hyper
chr13	27795201	27795400	*	5.44E-136	6.31E-135	0.278574	chr13_277	sig	hyper
chr13	27821801	27822000	*	7.39E-64	3.83E-63	0.1338	chr13_278	sig	hyper
chr13	27823201	27823400	*	2.14E-24	5.85E-24	0.121314	chr13_278	sig	hyper
chr13	27918801	27919000	*	1.51E-50	6.58E-50	0.152065	chr13_279	sig	hyper
chr13	27919201	27919400	*	7.15E-76	4.30E-75	0.237489	chr13_279	sig	hyper
chr13	27921801	27922000	*	6.22E-29	1.88E-28	0.167328	chr13_279	sig	hyper
chr13	27923201	27923400	*	6.05E-191	1.20E-189	0.332786	chr13_279	sig	hyper
chr13	27924201	27924400	*	0	0	0.388847	chr13_279	sig	hyper

chr13	27924601	27924800	*	5.29E-220	1.38E-218	0.332591	chr13_279	sig	hyper
chr13	27924801	27925000	*	0	0	0.393228	chr13_279	sig	hyper
chr13	27926601	27926800	*	4.28E-288	2.11E-286	0.394893	chr13_279	sig	hyper
chr13	27926801	27927000	*	1.48E-226	4.14E-225	0.335805	chr13_279	sig	hyper
chr13	27927001	27927200	*	1.50E-226	4.19E-225	0.286865	chr13_279	sig	hyper
chr13	27927201	27927400	*	4.42E-192	8.87E-191	0.351717	chr13_279	sig	hyper
chr13	27927601	27927800	*	8.17E-228	2.33E-226	0.360523	chr13_279	sig	hyper
chr13	27927801	27928000	*	7.42E-105	6.14E-104	0.290929	chr13_279	sig	hyper
chr13	27928401	27928600	*	0	0	0.379926	chr13_279	sig	hyper
chr13	27929201	27929400	*	9.58E-207	2.23E-205	0.419345	chr13_279	sig	hyper
chr13	27973401	27973600	*	8.11E-32	2.61E-31	-0.1201	chr13_279	sig	hypo
chr13	28099401	28099600	*	3.50E-27	1.02E-26	0.18817	chr13_280	sig	hyper
chr13	28532801	28533000	*	7.66E-60	3.78E-59	0.112496	chr13_285	sig	hyper
chr13	30932601	30932800	*	1.97E-51	8.68E-51	0.14899	chr13_309	sig	hyper
chr13	31945801	31946000	*	3.05E-74	1.80E-73	-0.20602	chr13_319	sig	hypo
chr13	35470601	35470800	*	2.47E-126	2.59E-125	0.162511	chr13_354	sig	hyper
chr13	35471001	35471200	*	7.72E-171	1.27E-169	0.156509	chr13_354	sig	hyper
chr13	35475201	35475400	*	2.77E-137	3.25E-136	0.249933	chr13_354	sig	hyper
chr13	35475601	35475800	*	4.31E-169	6.96E-168	0.210813	chr13_354	sig	hyper
chr13	35476201	35476400	*	9.49E-63	4.85E-62	0.200478	chr13_354	sig	hyper
chr13	35478401	35478600	*	2.62E-261	1.02E-259	0.255299	chr13_354	sig	hyper
chr13	35478601	35478800	*	5.16E-93	3.74E-92	0.306416	chr13_354	sig	hyper
chr13	35478801	35479000	*	0	0	0.288425	chr13_354	sig	hyper
chr13	36130601	36130800	*	2.65E-82	1.72E-81	0.170004	chr13_361	sig	hyper
chr13	36130801	36131000	*	2.45E-164	3.75E-163	0.250132	chr13_361	sig	hyper
chr13	36154801	36155000	*	1.10E-253	4.04E-252	0.345434	chr13_361	sig	hyper
chr13	36155001	36155200	*	2.33E-244	7.82E-243	0.302697	chr13_361	sig	hyper
chr13	36297401	36297600	*	2.25E-87	1.53E-86	0.161601	chr13_362	sig	hyper
chr13	36297601	36297800	*	1.58E-102	1.28E-101	0.175976	chr13_362	sig	hyper
chr13	36297801	36298000	*	6.81E-138	8.03E-137	0.161069	chr13_362	sig	hyper
chr13	36298001	36298200	*	2.55E-94	1.88E-93	0.150728	chr13_362	sig	hyper
chr13	36345201	36345400	*	3.32E-51	1.46E-50	0.18129	chr13_363	sig	hyper
chr13	36345801	36346000	*	1.99E-126	2.09E-125	0.352804	chr13_363	sig	hyper
chr13	36346401	36346600	*	1.52E-235	4.66E-234	0.205896	chr13_363	sig	hyper
chr13	36346601	36346800	*	3.82E-250	1.35E-248	0.232175	chr13_363	sig	hyper
chr13	36430401	36430600	*	6.72E-163	1.01E-161	0.249309	chr13_364	sig	hyper
chr13	36430601	36430800	*	4.72E-156	6.67E-155	0.270317	chr13_364	sig	hyper
chr13	36430801	36431000	*	5.14E-146	6.59E-145	0.247374	chr13_364	sig	hyper
chr13	36431801	36432000	*	4.35E-136	5.05E-135	0.34215	chr13_364	sig	hyper
chr13	36432001	36432200	*	0	0	0.267975	chr13_364	sig	hyper
chr13	36432201	36432400	*	5.45E-231	1.60E-229	0.270116	chr13_364	sig	hyper
chr13	36674001	36674200	*	1.10E-100	8.71E-100	0.161529	chr13_366	sig	hyper
chr13	36674201	36674400	*	8.07E-45	3.24E-44	0.130811	chr13_366	sig	hyper
chr13	36674601	36674800	*	3.17E-88	2.19E-87	0.146511	chr13_366	sig	hyper
chr13	36674801	36675000	*	4.30E-29	1.31E-28	0.119258	chr13_366	sig	hyper
chr13	37105201	37105400	*	7.54E-35	2.57E-34	-0.10831	chr13_371	sig	hypo
chr13	37869401	37869600	*	7.30E-168	1.16E-166	0.307098	chr13_378	sig	hyper
chr13	37869601	37869800	*	6.00E-212	1.45E-210	0.272618	chr13_378	sig	hyper
chr13	37869801	37870000	*	0.00E+00	0.00E+00	0.322332	chr13_378	sig	hyper
chr13	38688001	38688200	*	2.41E-103	1.96E-102	0.15449	chr13_386	sig	hyper
chr13	40173001	40173200	*	1.64E-78	1.02E-77	-0.23508	chr13_401	sig	hypo
chr13	40188001	40188200	*	1.13E-153	1.57E-152	-0.26204	chr13_401	sig	hypo
chr13	40922001	40922200	*	7.30E-40	2.72E-39	-0.14284	chr13_409	sig	hypo
chr13	41455801	41456000	*	2.76E-187	5.26E-186	-0.20162	chr13_414	sig	hypo
chr13	42574001	42574200	*	1.85E-306	1.09E-304	0.227876	chr13_425	sig	hyper
chr13	42575001	42575200	*	7.01E-79	4.37E-78	0.115067	chr13_425	sig	hyper

chr13	44397401	44397600	*	1.27E-33	4.22E-33	0.10509	chr13_443	sig	hyper
chr13	45713601	45713800	*	3.77E-78	2.32E-77	-0.15333	chr13_457	sig	hypo
chr13	45714201	45714400	*	7.40E-77	4.50E-76	-0.16992	chr13_457	sig	hypo
chr13	45851401	45851600	*	1.20E-82	7.79E-82	0.22351	chr13_458	sig	hyper
chr13	48318801	48319000	*	6.57E-53	2.96E-52	0.147983	chr13_483	sig	hyper
chr13	48319001	48319200	*	1.51E-110	1.33E-109	0.215536	chr13_483	sig	hyper
chr13	48319601	48319800	*	1.38E-84	9.14E-84	0.168606	chr13_483	sig	hyper
chr13	50127401	50127600	*	4.11E-66	2.20E-65	0.236318	chr13_501	sig	hyper
chr13	50127801	50128000	*	2.74E-90	1.93E-89	0.214492	chr13_501	sig	hyper
chr13	50132401	50132600	*	2.16E-214	5.30E-213	0.317719	chr13_501	sig	hyper
chr13	50132601	50132800	*	2.70E-171	4.46E-170	0.264103	chr13_501	sig	hyper
chr13	50132801	50133000	*	7.82E-132	8.66E-131	0.247399	chr13_501	sig	hyper
chr13	50133201	50133400	*	1.12E-89	7.86E-89	0.141099	chr13_501	sig	hyper
chr13	50843801	50844000	*	1.36E-58	6.62E-58	0.134044	chr13_508	sig	hyper
chr13	52739601	52739800	*	1.48E-66	7.95E-66	0.161397	chr13_527	sig	hyper
chr13	52739801	52740000	*	8.00E-18	1.83E-17	0.123886	chr13_527	sig	hyper
chr13	52845401	52845600	*	2.28E-193	4.61E-192	0.278855	chr13_528	sig	hyper
chr13	52847401	52847600	*	6.96E-219	1.79E-217	0.298777	chr13_528	sig	hyper
chr13	52848001	52848200	*	1.06E-147	1.39E-146	0.269601	chr13_528	sig	hyper
chr13	52848201	52848400	*	5.00E-288	2.45E-286	0.246821	chr13_528	sig	hyper
chr13	52848401	52848600	*	9.70E-73	5.61E-72	0.150938	chr13_528	sig	hyper
chr13	52848601	52848800	*	3.13E-232	9.32E-231	0.160318	chr13_528	sig	hyper
chr13	52849801	52850000	*	3.52E-157	5.04E-156	0.201353	chr13_528	sig	hyper
chr13	53200801	53201000	*	1.36E-209	3.24E-208	0.297564	chr13_532	sig	hyper
chr13	53202001	53202200	*	2.89E-223	7.80E-222	0.298487	chr13_532	sig	hyper
chr13	57629401	57629600	*	1.56E-301	8.65E-300	0.297036	chr13_576	sig	hyper
chr13	57629801	57630000	*	0	0	0.284772	chr13_576	sig	hyper
chr13	57630801	57631000	*	5.29E-205	1.21E-203	0.227284	chr13_576	sig	hyper
chr13	57631801	57632000	*	2.02E-257	7.65E-256	0.381663	chr13_576	sig	hyper
chr13	57632801	57633000	*	1.09E-139	1.31E-138	0.293339	chr13_576	sig	hyper
chr13	67230201	67230400	*	7.55E-233	2.26E-231	0.254432	chr13_672	sig	hyper
chr13	70107601	70107800	*	1.89E-115	1.75E-114	0.302441	chr13_701	sig	hyper
chr13	70107801	70108000	*	5.20E-196	1.08E-194	0.325541	chr13_701	sig	hyper
chr13	70108201	70108400	*	5.30E-55	2.46E-54	0.226769	chr13_701	sig	hyper
chr13	70924201	70924400	*	9.27E-27	2.68E-26	-0.10812	chr13_709	sig	hypo
chr13	77918401	77918600	*	4.18E-243	1.39E-241	0.308513	chr13_779	sig	hyper
chr13	77918601	77918800	*	3.32E-208	7.83E-207	0.363264	chr13_779	sig	hyper
chr13	77918801	77919000	*	2.46E-251	8.81E-250	0.31958	chr13_779	sig	hyper
chr13	77919001	77919200	*	5.59E-98	4.29E-97	0.239198	chr13_779	sig	hyper
chr13	77919401	77919600	*	0	0	0.266568	chr13_779	sig	hyper
chr13	78586801	78587000	*	2.34E-248	8.14E-247	0.254697	chr13_785	sig	hyper
chr13	78594201	78594400	*	1.19E-56	5.65E-56	0.157185	chr13_785	sig	hyper
chr13	78594401	78594600	*	1.59E-113	1.45E-112	0.276358	chr13_785	sig	hyper
chr13	78595401	78595600	*	2.02E-126	2.12E-125	0.247298	chr13_785	sig	hyper
chr13	78595601	78595800	*	2.03E-183	3.71E-182	0.252747	chr13_785	sig	hyper
chr13	78595801	78596000	*	5.29E-178	9.22E-177	0.2956	chr13_785	sig	hyper
chr13	78596801	78597000	*	0	0	0.258983	chr13_785	sig	hyper
chr13	78597001	78597200	*	1.85E-209	4.39E-208	0.268035	chr13_785	sig	hyper
chr13	78601401	78601600	*	8.64E-109	7.45E-108	0.139083	chr13_786	sig	hyper
chr13	78607001	78607200	*	3.21E-103	2.61E-102	0.211375	chr13_786	sig	hyper
chr13	78607201	78607400	*	1.33E-168	2.12E-167	0.278843	chr13_786	sig	hyper
chr13	78607401	78607600	*	2.12E-168	3.37E-167	0.286877	chr13_786	sig	hyper
chr13	78607801	78608000	*	0	0	0.29857	chr13_786	sig	hyper
chr13	78608001	78608200	*	3.70E-118	3.54E-117	0.246028	chr13_786	sig	hyper
chr13	83879401	83879600	*	4.93E-46	2.02E-45	0.157994	chr13_838	sig	hyper
chr13	83879601	83879800	*	3.20E-123	3.24E-122	0.254541	chr13_838	sig	hyper

chr13	83881401	83881600	*	1.38E-141	1.69E-140	0.241456	chr13_838	sig	hyper
chr13	83906601	83906800	*	1.28E-84	8.50E-84	-0.15978	chr13_839	sig	hypo
chr13	87671801	87672000	*	9.47E-43	3.69E-42	0.157321	chr13_876	sig	hyper
chr13	87674201	87674400	*	4.54E-147	5.89E-146	0.224763	chr13_876	sig	hyper
chr13	87674401	87674600	*	0	0	0.337395	chr13_876	sig	hyper
chr13	87674601	87674800	*	1.07E-257	4.06E-256	0.363773	chr13_876	sig	hyper
chr13	87677401	87677600	*	4.95E-81	3.16E-80	0.169592	chr13_876	sig	hyper
chr13	91399001	91399200	*	3.33E-98	2.56E-97	0.142662	chr13_913	sig	hyper
chr13	91399401	91399600	*	2.91E-108	2.49E-107	0.216603	chr13_913	sig	hyper
chr13	93227001	93227200	*	0	0	0.333808	chr13_932	sig	hyper
chr13	93227201	93227400	*	3.49E-239	1.11E-237	0.279069	chr13_932	sig	hyper
chr13	93228201	93228400	*	1.34E-189	2.62E-188	0.344816	chr13_932	sig	hyper
chr13	93228401	93228600	*	0.00E+00	8.53E-307	0.336715	chr13_932	sig	hyper
chr13	93228601	93228800	*	7.52E-190	1.47E-188	0.217548	chr13_932	sig	hyper
chr13	94601401	94601600	*	1.62E-15	3.45E-15	0.100072	chr13_946	sig	hyper
chr13	94703801	94704000	*	4.56E-61	2.28E-60	0.254231	chr13_947	sig	hyper
chr13	94704801	94705000	*	1.57E-50	6.84E-50	0.19005	chr13_947	sig	hyper
chr13	94705401	94705600	*	3.14E-163	4.75E-162	0.230379	chr13_947	sig	hyper
chr13	94705801	94706000	*	1.09E-22	2.84E-22	0.103989	chr13_947	sig	hyper
chr13	94706801	94707000	*	5.42E-65	2.86E-64	0.198296	chr13_947	sig	hyper
chr13	94707401	94707600	*	1.77E-175	3.04E-174	0.167238	chr13_947	sig	hyper
chr13	94707601	94707800	*	7.04E-59	3.44E-58	0.256525	chr13_947	sig	hyper
chr13	94708001	94708200	*	2.43E-34	8.20E-34	0.151416	chr13_947	sig	hyper
chr13	94711801	94712000	*	1.76E-89	1.23E-88	0.179109	chr13_947	sig	hyper
chr13	94712201	94712400	*	1.65E-221	4.38E-220	0.175496	chr13_947	sig	hyper
chr13	94968601	94968800	*	5.99E-109	5.17E-108	0.23909	chr13_949	sig	hyper
chr13	95552801	95553000	*	2.27E-195	4.69E-194	0.390425	chr13_955	sig	hyper
chr13	95644601	95644800	*	3.42E-69	1.90E-68	0.113469	chr13_956	sig	hyper
chr13	98444001	98444200	*	9.71E-228	2.76E-226	-0.36884	chr13_984	sig	hypo
chr13	98444201	98444400	*	2.37E-156	3.36E-155	-0.22871	chr13_984	sig	hypo
chr13	98474801	98475000	*	3.49E-82	2.26E-81	-0.12276	chr13_984	sig	hypo
chr13	98578001	98578200	*	3.31E-26	9.45E-26	-0.11639	chr13_985	sig	hypo
chr13	99416801	99417000	*	2.49E-45	1.01E-44	-0.12744	chr13_994	sig	hypo
chr13	99655801	99656000	*	1.19E-28	3.57E-28	-0.14304	chr13_996	sig	hypo
chr13	99657801	99658000	*	4.33E-95	3.20E-94	0.165482	chr13_996	sig	hyper
chr13	99658001	99658200	*	4.98E-64	2.59E-63	0.188299	chr13_996	sig	hyper
chr13	99958601	99958800	*	3.02E-46	1.24E-45	0.149925	chr13_999	sig	hyper
chr13	99969001	99969200	*	8.43E-111	7.44E-110	0.154856	chr13_999	sig	hyper
chr13	99971801	99972000	*	1.25E-90	8.81E-90	0.117734	chr13_999	sig	hyper
chr13	99972001	99972200	*	2.35E-68	1.30E-67	0.150726	chr13_999	sig	hyper
chr13	99978001	99978200	*	1.38E-38	5.02E-38	0.136869	chr13_999	sig	hyper
chr13	99983601	99983800	*	2.24E-43	8.80E-43	0.111187	chr13_999	sig	hyper
chr13	99988601	99988800	*	2.24E-31	7.14E-31	0.142018	chr13_999	sig	hyper
chr13	99989201	99989400	*	1.65E-64	8.63E-64	0.181392	chr13_999	sig	hyper
chr13	99997401	99997600	*	4.18E-57	1.99E-56	0.210919	chr13_999	sig	hyper
chr13	101416601	101416800	*	0	0	0.288031	chr13_101	sig	hyper
chr13	101416801	101417000	*	0	0	0.263025	chr13_101	sig	hyper
chr13	101916401	101916600	*	2.48E-227	7.01E-226	0.318243	chr13_101	sig	hyper
chr13	101917401	101917600	*	0	0	0.270409	chr13_101	sig	hyper
chr13	101919801	101920000	*	2.30E-176	3.95E-175	0.264455	chr13_101	sig	hyper
chr13	102394801	102395000	*	7.87E-122	7.85E-121	0.17091	chr13_102	sig	hyper
chr13	102400401	102400600	*	3.25E-276	1.42E-274	0.269153	chr13_102	sig	hyper
chr13	102401001	102401200	*	1.82E-226	5.09E-225	0.188655	chr13_102	sig	hyper
chr13	102402401	102402600	*	3.66E-48	1.54E-47	0.102285	chr13_102	sig	hyper
chr13	106530601	106530800	*	8.81E-127	9.26E-126	-0.28851	chr13_106	sig	hypo
chr13	107866001	107866200	*	1.03E-101	8.24E-101	0.282581	chr13_107	sig	hyper

chr13	107866401	107866600	*	8.61E-69	4.76E-68	0.19162	chr13_107	sig	hyper
chr13	107867801	107868000	*	6.98E-190	1.37E-188	0.159156	chr13_107	sig	hyper
chr13	107868001	107868200	*	4.03E-208	9.49E-207	0.150807	chr13_107	sig	hyper
chr13	107868201	107868400	*	7.29E-195	1.50E-193	0.246605	chr13_107	sig	hyper
chr13	107868601	107868800	*	2.25E-154	3.13E-153	0.228306	chr13_107	sig	hyper
chr13	108214601	108214800	*	6.01E-174	1.02E-172	0.220631	chr13_108	sig	hyper
chr13	108496601	108496800	*	2.20E-108	1.89E-107	0.341465	chr13_108	sig	hyper
chr13	109744401	109744600	*	3.87E-39	1.42E-38	-0.14808	chr13_109	sig	hypo
chr13	109773401	109773600	*	1.87E-134	2.14E-133	-0.2963	chr13_109	sig	hypo
chr13	109781201	109781400	*	1.44E-215	3.59E-214	-0.27831	chr13_109	sig	hypo
chr13	109781601	109781800	*	0	0	-0.43671	chr13_109	sig	hypo
chr13	109782001	109782200	*	8.33E-96	6.23E-95	-0.34414	chr13_109	sig	hypo
chr13	109784201	109784400	*	2.82E-116	2.65E-115	-0.20422	chr13_109	sig	hypo
chr13	110129201	110129400	*	5.12E-88	3.51E-87	-0.12351	chr13_110	sig	hypo
chr13	110306601	110306800	*	3.47E-105	2.88E-104	0.261183	chr13_110	sig	hyper
chr13	110308001	110308200	*	0	0	0.277855	chr13_110	sig	hyper
chr13	110308601	110308800	*	1.94E-128	2.08E-127	0.122963	chr13_110	sig	hyper
chr13	110309401	110309600	*	7.43E-131	8.14E-130	0.239039	chr13_110	sig	hyper
chr13	110325601	110325800	*	1.57E-21	3.96E-21	-0.11738	chr13_110	sig	hypo
chr13	110424801	110425000	*	6.16E-47	2.56E-46	-0.17318	chr13_110	sig	hypo
chr13	110434801	110435000	*	4.26E-134	4.85E-133	-0.25604	chr13_110	sig	hypo
chr13	110438201	110438400	*	5.42E-66	2.90E-65	-0.12218	chr13_110	sig	hypo
chr13	110506401	110506600	*	6.71E-137	7.84E-136	-0.20252	chr13_110	sig	hypo
chr13	110506601	110506800	*	2.68E-205	6.16E-204	-0.31496	chr13_110	sig	hypo
chr13	110562801	110563000	*	2.78E-36	9.70E-36	-0.13681	chr13_110	sig	hypo
chr13	110636601	110636800	*	4.27E-70	2.40E-69	-0.14524	chr13_110	sig	hypo
chr13	110799601	110799800	*	8.97E-36	3.11E-35	0.109866	chr13_110	sig	hyper
chr13	110869601	110869800	*	9.84E-38	3.52E-37	-0.2059	chr13_110	sig	hypo
chr13	110870201	110870400	*	3.01E-30	9.37E-30	-0.10136	chr13_110	sig	hypo
chr13	110910601	110910800	*	5.49E-38	1.97E-37	-0.10966	chr13_110	sig	hypo
chr13	110954801	110955000	*	1.24E-14	2.56E-14	-0.1027	chr13_110	sig	hypo
chr13	111052001	111052200	*	7.56E-53	3.41E-52	-0.15935	chr13_111	sig	hypo
chr13	111115601	111115800	*	5.58E-103	4.53E-102	0.108603	chr13_111	sig	hyper
chr13	111121401	111121600	*	1.23E-52	5.54E-52	-0.16072	chr13_111	sig	hypo
chr13	111317601	111317800	*	2.84E-19	6.77E-19	-0.11326	chr13_111	sig	hypo
chr13	111326601	111326800	*	1.28E-58	6.21E-58	-0.14146	chr13_111	sig	hypo
chr13	111410201	111410400	*	1.27E-70	7.18E-70	-0.17689	chr13_111	sig	hypo
chr13	111411601	111411800	*	1.50E-58	7.31E-58	-0.14181	chr13_111	sig	hypo
chr13	111423601	111423800	*	0	0	-0.46343	chr13_111	sig	hypo
chr13	111534801	111535000	*	3.05E-26	8.72E-26	0.140074	chr13_111	sig	hyper
chr13	111640201	111640400	*	4.14E-105	3.43E-104	-0.23308	chr13_111	sig	hypo
chr13	111857401	111857600	*	1.70E-30	5.31E-30	-0.10501	chr13_111	sig	hypo
chr13	111893001	111893200	*	9.74E-34	3.25E-33	0.113927	chr13_111	sig	hyper
chr13	111893201	111893400	*	1.22E-100	9.66E-100	0.181873	chr13_111	sig	hyper
chr13	111893401	111893600	*	4.61E-37	1.63E-36	0.174452	chr13_111	sig	hyper
chr13	111893601	111893800	*	6.84E-109	5.90E-108	0.163256	chr13_111	sig	hyper
chr13	111918201	111918400	*	2.14E-39	7.91E-39	-0.10709	chr13_111	sig	hypo
chr13	111945201	111945400	*	4.82E-66	2.58E-65	-0.12975	chr13_111	sig	hypo
chr13	111953401	111953600	*	3.55E-37	1.26E-36	-0.10418	chr13_111	sig	hypo
chr13	111974201	111974400	*	5.41E-32	1.75E-31	0.112995	chr13_111	sig	hyper
chr13	112038001	112038200	*	8.36E-30	2.58E-29	-0.12903	chr13_112	sig	hypo
chr13	112053401	112053600	*	6.53E-251	2.32E-249	0.251136	chr13_112	sig	hyper
chr13	112055001	112055200	*	4.97E-152	6.76E-151	0.267254	chr13_112	sig	hyper
chr13	112055201	112055400	*	0	0	0.333667	chr13_112	sig	hyper
chr13	112056401	112056600	*	3.64E-242	1.20E-240	0.346074	chr13_112	sig	hyper
chr13	112057601	112057800	*	2.64E-244	8.84E-243	0.234441	chr13_112	sig	hyper

chr13	112058401	112058600	*	1.57E-29	4.82E-29	0.115783	chr13_112	sig	hyper
chr13	112063401	112063600	*	1.03E-97	7.87E-97	0.205521	chr13_112	sig	hyper
chr13	112066201	112066400	*	6.86E-106	5.75E-105	0.120547	chr13_112	sig	hyper
chr13	112067401	112067600	*	0.00E+00	0.00E+00	0.260366	chr13_112	sig	hyper
chr13	112067801	112068000	*	7.30E-234	2.20E-232	0.282198	chr13_112	sig	hyper
chr13	112069201	112069400	*	0	0	0.256825	chr13_112	sig	hyper
chr13	112069801	112070000	*	1.03E-88	7.10E-88	0.299988	chr13_112	sig	hyper
chr13	112071601	112071800	*	9.35E-57	4.44E-56	0.16682	chr13_112	sig	hyper
chr13	112071801	112072000	*	5.26E-134	5.98E-133	0.255932	chr13_112	sig	hyper
chr13	112073801	112074000	*	1.68E-266	6.82E-265	0.249321	chr13_112	sig	hyper
chr13	112074001	112074200	*	0	0	0.231582	chr13_112	sig	hyper
chr13	112104001	112104200	*	0	0	0.268405	chr13_112	sig	hyper
chr13	112105201	112105400	*	4.80E-231	1.41E-229	0.400548	chr13_112	sig	hyper
chr13	112105401	112105600	*	8.22E-271	3.42E-269	0.414264	chr13_112	sig	hyper
chr13	112106601	112106800	*	1.50E-224	4.11E-223	0.237777	chr13_112	sig	hyper
chr13	112107401	112107600	*	1.25E-35	4.32E-35	0.124069	chr13_112	sig	hyper
chr13	112254201	112254400	*	1.82E-49	7.84E-49	-0.14594	chr13_112	sig	hypo
chr13	112326201	112326400	*	3.43E-27	1.00E-26	-0.11287	chr13_112	sig	hypo
chr13	112330401	112330600	*	9.89E-24	2.66E-23	0.111845	chr13_112	sig	hyper
chr13	112331601	112331800	*	2.35E-54	1.08E-53	0.16571	chr13_112	sig	hyper
chr13	112331801	112332000	*	1.48E-51	6.55E-51	0.127627	chr13_112	sig	hyper
chr13	112450401	112450600	*	4.61E-64	2.39E-63	-0.17276	chr13_112	sig	hypo
chr13	112588401	112588600	*	7.51E-46	3.06E-45	0.119314	chr13_112	sig	hyper
chr13	112638401	112638600	*	3.11E-101	2.48E-100	-0.25567	chr13_112	sig	hypo
chr13	112721401	112721600	*	2.04E-35	7.01E-35	-0.13945	chr13_112	sig	hypo
chr13	112771801	112772000	*	2.66E-54	1.22E-53	-0.15008	chr13_112	sig	hypo
chr13	112874401	112874600	*	1.73E-37	6.17E-37	0.114	chr13_112	sig	hyper
chr13	112892001	112892200	*	6.58E-113	5.94E-112	-0.2332	chr13_112	sig	hypo
chr13	112940401	112940600	*	1.96E-96	1.48E-95	-0.15445	chr13_112	sig	hypo
chr13	112985201	112985400	*	1.12E-39	4.17E-39	-0.10782	chr13_112	sig	hypo
chr13	112995201	112995400	*	0.00E+00	0.00E+00	-0.33992	chr13_112	sig	hypo
chr13	112995601	112995800	*	7.27E-38	2.61E-37	-0.12758	chr13_112	sig	hypo
chr13	113098201	113098400	*	9.07E-141	1.10E-139	0.125821	chr13_113	sig	hyper
chr13	113109401	113109600	*	1.47E-21	3.73E-21	0.119782	chr13_113	sig	hyper
chr13	113109801	113110000	*	1.55E-141	1.90E-140	0.268058	chr13_113	sig	hyper
chr13	113110201	113110400	*	1.69E-131	1.86E-130	0.31385	chr13_113	sig	hyper
chr13	113141601	113141800	*	1.80E-89	1.26E-88	-0.19481	chr13_113	sig	hypo
chr13	113141801	113142000	*	2.67E-35	9.15E-35	-0.10087	chr13_113	sig	hypo
chr13	113400401	113400600	*	2.40E-35	8.25E-35	-0.1389	chr13_113	sig	hypo
chr13	113402401	113402600	*	1.54E-50	6.70E-50	-0.13929	chr13_113	sig	hypo
chr13	113402601	113402800	*	5.35E-33	1.76E-32	-0.11265	chr13_113	sig	hypo
chr13	113403201	113403400	*	6.33E-33	2.08E-32	-0.10432	chr13_113	sig	hypo
chr13	113405801	113406000	*	1.01E-238	3.21E-237	-0.27715	chr13_113	sig	hypo
chr13	113406201	113406400	*	1.57E-34	5.32E-34	-0.15465	chr13_113	sig	hypo
chr13	113417001	113417200	*	1.45E-103	1.19E-102	-0.20141	chr13_113	sig	hypo
chr13	113417601	113417800	*	8.87E-33	2.92E-32	-0.13605	chr13_113	sig	hypo
chr13	113420001	113420200	*	3.89E-83	2.54E-82	-0.19654	chr13_113	sig	hypo
chr13	113420401	113420600	*	1.45E-123	1.48E-122	-0.22911	chr13_113	sig	hypo
chr13	113420601	113420800	*	3.32E-31	1.06E-30	-0.15207	chr13_113	sig	hypo
chr13	113437401	113437600	*	8.97E-28	2.64E-27	-0.12547	chr13_113	sig	hypo
chr13	113449401	113449600	*	3.64E-32	1.18E-31	-0.12072	chr13_113	sig	hypo
chr13	113509801	113510000	*	1.37E-62	7.00E-62	-0.12673	chr13_113	sig	hypo
chr13	113566001	113566200	*	7.39E-24	2.00E-23	-0.10142	chr13_113	sig	hypo
chr13	113650401	113650600	*	4.73E-194	9.61E-193	-0.18838	chr13_113	sig	hypo
chr13	113653201	113653400	*	2.13E-59	1.05E-58	-0.19764	chr13_113	sig	hypo
chr13	113657601	113657800	*	1.83E-59	9.01E-59	-0.11185	chr13_113	sig	hypo

chr13	113658201	113658400	*	4.11E-102	3.31E-101	-0.16129	chr13_113	sig	hypo
chr13	113664801	113665000	*	9.36E-22	2.38E-21	-0.10819	chr13_113	sig	hypo
chr13	114005001	114005200	*	4.73E-285	2.24E-283	-0.28239	chr13_114	sig	hypo
chr13	114005201	114005400	*	6.10E-67	3.30E-66	-0.20641	chr13_114	sig	hypo
chr13	114015201	114015400	*	1.83E-91	1.31E-90	-0.14571	chr13_114	sig	hypo
chr13	114015401	114015600	*	3.82E-68	2.10E-67	-0.14348	chr13_114	sig	hypo
chr13	114027201	114027400	*	4.78E-38	1.72E-37	0.127358	chr13_114	sig	hyper
chr13	114049601	114049800	*	2.32E-53	1.05E-52	-0.13363	chr13_114	sig	hypo
chr13	114064201	114064400	*	2.13E-52	9.52E-52	-0.15071	chr13_114	sig	hypo
chr13	114064801	114065000	*	1.19E-31	3.82E-31	-0.14294	chr13_114	sig	hypo
chr13	114089601	114089800	*	2.60E-38	9.41E-38	-0.10459	chr13_114	sig	hypo
chr13	114089801	114090000	*	6.67E-72	3.82E-71	-0.23583	chr13_114	sig	hypo
chr13	114090001	114090200	*	7.52E-74	4.40E-73	-0.17765	chr13_114	sig	hypo
chr13	114097401	114097600	*	1.08E-68	5.98E-68	-0.17269	chr13_114	sig	hypo
chr13	114110601	114110800	*	2.47E-28	7.36E-28	-0.1184	chr13_114	sig	hypo
chr13	114115201	114115400	*	5.51E-65	2.90E-64	-0.17471	chr13_114	sig	hypo
chr13	114121601	114121800	*	1.43E-82	9.30E-82	-0.15694	chr13_114	sig	hypo
chr13	114129001	114129200	*	5.14E-53	2.32E-52	0.133453	chr13_114	sig	hyper
chr13	114131201	114131400	*	1.31E-25	3.68E-25	0.117799	chr13_114	sig	hyper
chr13	114140201	114140400	*	4.25E-46	1.74E-45	-0.12534	chr13_114	sig	hypo
chr13	114140401	114140600	*	4.29E-82	2.77E-81	-0.13807	chr13_114	sig	hypo
chr13	114151601	114151800	*	5.72E-46	2.34E-45	-0.11026	chr13_114	sig	hypo
chr14	20435401	20435600	*	8.09E-56	3.79E-55	0.156677	chr14_204	sig	hyper
chr14	20625801	20626000	*	1.17E-60	5.83E-60	0.184871	chr14_206	sig	hyper
chr14	21087401	21087600	*	4.14E-27	1.21E-26	0.109854	chr14_210	sig	hyper
chr14	23365601	23365800	*	9.59E-195	1.97E-193	0.15668	chr14_233	sig	hyper
chr14	23366601	23366800	*	3.79E-53	1.71E-52	0.177274	chr14_233	sig	hyper
chr14	23375601	23375800	*	2.66E-47	1.11E-46	-0.10304	chr14_233	sig	hypo
chr14	24132201	24132400	*	1.56E-258	5.92E-257	-0.31631	chr14_241	sig	hypo
chr14	24132401	24132600	*	0	0	-0.29149	chr14_241	sig	hypo
chr14	24171801	24172000	*	2.97E-167	4.67E-166	0.204785	chr14_241	sig	hyper
chr14	24172001	24172200	*	5.64E-98	4.32E-97	0.202604	chr14_241	sig	hyper
chr14	24172201	24172400	*	1.36E-57	6.52E-57	0.118206	chr14_241	sig	hyper
chr14	24311201	24311400	*	1.93E-161	2.86E-160	0.102815	chr14_243	sig	hyper
chr14	24311401	24311600	*	1.98E-256	7.41E-255	0.186305	chr14_243	sig	hyper
chr14	24316601	24316800	*	4.59E-78	2.83E-77	-0.17496	chr14_243	sig	hypo
chr14	26204801	26205000	*	8.01E-111	7.07E-110	0.216265	chr14_262	sig	hyper
chr14	26205001	26205200	*	4.52E-83	2.95E-82	0.252843	chr14_262	sig	hyper
chr14	26205201	26205400	*	5.86E-169	9.42E-168	0.23763	chr14_262	sig	hyper
chr14	26598401	26598600	*	3.25E-210	7.77E-209	0.253977	chr14_265	sig	hyper
chr14	26598601	26598800	*	1.13E-192	2.28E-191	0.28405	chr14_265	sig	hyper
chr14	26598801	26599000	*	1.46E-177	2.55E-176	0.284682	chr14_265	sig	hyper
chr14	28758601	28758800	*	2.59E-107	2.19E-106	0.278555	chr14_287	sig	hyper
chr14	28759001	28759200	*	1.01E-103	8.25E-103	0.129869	chr14_287	sig	hyper
chr14	28759201	28759400	*	1.69E-33	5.61E-33	0.114117	chr14_287	sig	hyper
chr14	28765601	28765800	*	2.22E-185	4.13E-184	0.193013	chr14_287	sig	hyper
chr14	28765801	28766000	*	6.87E-213	1.68E-211	0.154405	chr14_287	sig	hyper
chr14	28766001	28766200	*	3.42E-29	1.04E-28	0.105571	chr14_287	sig	hyper
chr14	28774001	28774200	*	3.25E-135	3.75E-134	0.262997	chr14_287	sig	hyper
chr14	28774201	28774400	*	0	0	0.263395	chr14_287	sig	hyper
chr14	28774401	28774600	*	0	0	0.226592	chr14_287	sig	hyper
chr14	28777801	28778000	*	6.36E-62	3.22E-61	0.190557	chr14_287	sig	hyper
chr14	28778201	28778400	*	2.42E-284	1.14E-282	0.258881	chr14_287	sig	hyper
chr14	28778401	28778600	*	6.45E-200	1.39E-198	0.26207	chr14_287	sig	hyper
chr14	28785801	28786000	*	2.75E-65	1.46E-64	0.215424	chr14_287	sig	hyper
chr14	30875801	30876000	*	8.43E-31	2.66E-30	0.145489	chr14_308	sig	hyper

chr14	32933801	32934000	*	3.14E-57	1.50E-56	0.14913	chr14_329	sig	hyper
chr14	32935201	32935400	*	2.76E-65	1.46E-64	0.119768	chr14_329	sig	hyper
chr14	36504001	36504200	*	4.36E-180	7.71E-179	0.225221	chr14_365	sig	hyper
chr14	36513401	36513600	*	8.05E-254	2.97E-252	0.23566	chr14_365	sig	hyper
chr14	36514201	36514400	*	9.77E-254	3.60E-252	0.17333	chr14_365	sig	hyper
chr14	36517001	36517200	*	8.25E-67	4.44E-66	0.184448	chr14_365	sig	hyper
chr14	36583401	36583600	*	3.87E-180	6.85E-179	0.252887	chr14_365	sig	hyper
chr14	36584401	36584600	*	3.39E-88	2.33E-87	0.213723	chr14_365	sig	hyper
chr14	36654401	36654600	*	5.06E-171	8.36E-170	0.20572	chr14_366	sig	hyper
chr14	36654801	36655000	*	1.90E-32	6.21E-32	0.117649	chr14_366	sig	hyper
chr14	36655001	36655200	*	7.33E-32	2.36E-31	0.103435	chr14_366	sig	hyper
chr14	36655801	36656000	*	2.32E-48	9.83E-48	0.135384	chr14_366	sig	hyper
chr14	36659201	36659400	*	2.13E-219	5.50E-218	0.242635	chr14_366	sig	hyper
chr14	36659401	36659600	*	1.24E-145	1.58E-144	0.228876	chr14_366	sig	hyper
chr14	36663201	36663400	*	0.00E+00	0.00E+00	0.187017	chr14_366	sig	hyper
chr14	36663401	36663600	*	6.43E-287	3.11E-285	0.200617	chr14_366	sig	hyper
chr14	36663801	36664000	*	3.00E-230	8.76E-229	0.262654	chr14_366	sig	hyper
chr14	36667001	36667200	*	0	0	0.330387	chr14_366	sig	hyper
chr14	37599001	37599200	*	1.38E-38	5.02E-38	0.179882	chr14_375	sig	hyper
chr14	37602001	37602200	*	2.23E-186	4.21E-185	0.239606	chr14_376	sig	hyper
chr14	37611001	37611200	*	2.39E-61	1.20E-60	0.134818	chr14_376	sig	hyper
chr14	37622201	37622400	*	3.17E-77	1.93E-76	0.189541	chr14_376	sig	hyper
chr14	37622401	37622600	*	9.50E-81	6.04E-80	0.152127	chr14_376	sig	hyper
chr14	37622601	37622800	*	5.19E-92	3.72E-91	0.172522	chr14_376	sig	hyper
chr14	38210401	38210600	*	6.57E-22	1.68E-21	0.101393	chr14_382	sig	hyper
chr14	38210601	38210800	*	1.60E-46	6.61E-46	0.173075	chr14_382	sig	hyper
chr14	38256401	38256600	*	2.04E-31	6.52E-31	0.103013	chr14_382	sig	hyper
chr14	41605201	41605400	*	1.13E-237	3.55E-236	0.215298	chr14_416	sig	hyper
chr14	41605401	41605600	*	1.94E-86	1.31E-85	0.18532	chr14_416	sig	hyper
chr14	41606401	41606600	*	1.43E-281	6.57E-280	0.265402	chr14_416	sig	hyper
chr14	41607401	41607600	*	2.37E-164	3.63E-163	0.209891	chr14_416	sig	hyper
chr14	41608001	41608200	*	1.19E-148	1.57E-147	0.398474	chr14_416	sig	hyper
chr14	41608401	41608600	*	0	0	0.373997	chr14_416	sig	hyper
chr14	44912001	44912200	*	3.24E-28	9.64E-28	0.123862	chr14_449	sig	hyper
chr14	47675001	47675200	*	5.63E-164	8.59E-163	0.365406	chr14_476	sig	hyper
chr14	47675801	47676000	*	0	0	0.300902	chr14_476	sig	hyper
chr14	47676201	47676400	*	4.84E-170	7.89E-169	0.332226	chr14_476	sig	hyper
chr14	49766801	49767000	*	1.71E-25	4.79E-25	-0.17275	chr14_497	sig	hypo
chr14	51752201	51752400	*	8.62E-36	2.99E-35	-0.1488	chr14_517	sig	hypo
chr14	51752401	51752600	*	1.15E-90	8.13E-90	-0.20557	chr14_517	sig	hypo
chr14	53952801	53953000	*	6.12E-68	3.35E-67	0.28163	chr14_539	sig	hyper
chr14	53953001	53953200	*	7.32E-112	6.53E-111	0.148706	chr14_539	sig	hyper
chr14	53957001	53957200	*	1.14E-77	6.98E-77	-0.10032	chr14_539	sig	hypo
chr14	54219401	54219600	*	6.85E-33	2.25E-32	0.123368	chr14_542	sig	hyper
chr14	54220401	54220600	*	2.30E-63	1.18E-62	0.171417	chr14_542	sig	hyper
chr14	55241001	55241200	*	8.92E-39	3.25E-38	0.154898	chr14_552	sig	hyper
chr14	56795401	56795600	*	1.76E-96	1.33E-95	0.250693	chr14_567	sig	hyper
chr14	56797401	56797600	*	3.54E-137	4.15E-136	0.210428	chr14_567	sig	hyper
chr14	56799001	56799200	*	2.40E-129	2.60E-128	0.293845	chr14_567	sig	hyper
chr14	56809801	56810000	*	4.47E-104	3.67E-103	0.246434	chr14_568	sig	hyper
chr14	56810001	56810200	*	2.15E-172	3.60E-171	0.342102	chr14_568	sig	hyper
chr14	56811401	56811600	*	3.31E-158	4.78E-157	0.200612	chr14_568	sig	hyper
chr14	56812201	56812400	*	1.32E-64	6.91E-64	0.188252	chr14_568	sig	hyper
chr14	60485201	60485400	*	4.98E-236	1.53E-234	0.381363	chr14_604	sig	hyper
chr14	60485401	60485600	*	0.00E+00	0.00E+00	0.37366	chr14_604	sig	hyper
chr14	60486201	60486400	*	1.03E-93	7.52E-93	0.292422	chr14_604	sig	hyper

chr14	60506601	60506800	*	2.82E-114	2.59E-113	0.250563	chr14_605	sig	hyper
chr14	60507001	60507200	*	6.97E-155	9.72E-154	0.270216	chr14_605	sig	hyper
chr14	60507201	60507400	*	4.04E-217	1.02E-215	0.313435	chr14_605	sig	hyper
chr14	60507601	60507800	*	3.76E-128	4.01E-127	0.186161	chr14_605	sig	hyper
chr14	60510601	60510800	*	7.02E-203	1.57E-201	0.260998	chr14_605	sig	hyper
chr14	60511201	60511400	*	1.79E-142	2.21E-141	0.200656	chr14_605	sig	hyper
chr14	60511401	60511600	*	1.23E-248	4.29E-247	0.198819	chr14_605	sig	hyper
chr14	60516001	60516200	*	1.25E-22	3.26E-22	0.165653	chr14_605	sig	hyper
chr14	60642401	60642600	*	3.95E-53	1.79E-52	0.150915	chr14_606	sig	hyper
chr14	60652601	60652800	*	5.03E-29	1.53E-28	0.107805	chr14_606	sig	hyper
chr14	60653401	60653600	*	9.77E-28	2.88E-27	0.150978	chr14_606	sig	hyper
chr14	60655401	60655600	*	4.29E-28	1.27E-27	0.136877	chr14_606	sig	hyper
chr14	60655601	60655800	*	1.26E-13	2.53E-13	0.137026	chr14_606	sig	hyper
chr14	61281601	61281800	*	3.89E-42	1.50E-41	-0.13965	chr14_612	sig	hypo
chr14	62117401	62117600	*	2.39E-160	3.52E-159	0.201401	chr14_621	sig	hyper
chr14	62117801	62118000	*	7.39E-192	1.48E-190	0.261922	chr14_621	sig	hyper
chr14	64197201	64197400	*	5.60E-30	1.73E-29	0.126483	chr14_641	sig	hyper
chr14	64539201	64539400	*	7.65E-142	9.38E-141	-0.19525	chr14_645	sig	hypo
chr14	64540601	64540800	*	2.07E-114	1.91E-113	0.116083	chr14_645	sig	hyper
chr14	64541201	64541400	*	4.20E-70	2.37E-69	0.120835	chr14_645	sig	hyper
chr14	64541801	64542000	*	3.48E-105	2.89E-104	0.169756	chr14_645	sig	hyper
chr14	66012801	66013000	*	6.55E-55	3.04E-54	-0.26181	chr14_660	sig	hypo
chr14	67541801	67542000	*	3.09E-28	9.19E-28	-0.10827	chr14_675	sig	hypo
chr14	68816201	68816400	*	1.30E-179	2.30E-178	-0.15254	chr14_688	sig	hypo
chr14	69548001	69548200	*	3.38E-62	1.72E-61	0.222182	chr14_695	sig	hyper
chr14	69574401	69574600	*	1.67E-218	4.28E-217	0.128451	chr14_695	sig	hyper
chr14	69850001	69850200	*	9.53E-223	2.56E-221	-0.35453	chr14_698	sig	hypo
chr14	69850201	69850400	*	0	0	-0.41708	chr14_698	sig	hypo
chr14	69850401	69850600	*	0.00E+00	0.00E+00	-0.41035	chr14_698	sig	hypo
chr14	69879201	69879400	*	2.22E-61	1.12E-60	0.14921	chr14_698	sig	hyper
chr14	69880001	69880200	*	7.84E-44	3.11E-43	0.12411	chr14_698	sig	hyper
chr14	71933401	71933600	*	3.97E-46	1.63E-45	0.185967	chr14_719	sig	hyper
chr14	72553201	72553400	*	1.88E-45	7.61E-45	-0.1357	chr14_725	sig	hypo
chr14	73239601	73239800	*	9.07E-85	6.03E-84	-0.11563	chr14_732	sig	hypo
chr14	73270201	73270400	*	3.86E-44	1.54E-43	-0.16183	chr14_732	sig	hypo
chr14	73712201	73712400	*	5.17E-62	2.62E-61	0.147239	chr14_737	sig	hyper
chr14	73712801	73713000	*	9.46E-43	3.69E-42	0.174469	chr14_737	sig	hyper
chr14	74239201	74239400	*	2.25E-130	2.45E-129	0.224779	chr14_742	sig	hyper
chr14	75334201	75334400	*	9.42E-69	5.21E-68	0.124215	chr14_753	sig	hyper
chr14	75470001	75470200	*	1.96E-39	7.25E-39	-0.10378	chr14_754	sig	hypo
chr14	75579201	75579400	*	1.33E-33	4.44E-33	-0.14051	chr14_755	sig	hypo
chr14	76131401	76131600	*	1.05E-48	4.46E-48	0.194696	chr14_761	sig	hyper
chr14	76138801	76139000	*	4.33E-223	1.17E-221	0.331476	chr14_761	sig	hyper
chr14	76349001	76349200	*	1.05E-21	2.67E-21	-0.11911	chr14_763	sig	hypo
chr14	77026401	77026600	*	2.29E-198	4.84E-197	0.17622	chr14_770	sig	hyper
chr14	77140401	77140600	*	1.41E-158	2.05E-157	0.198502	chr14_771	sig	hyper
chr14	77140601	77140800	*	2.76E-90	1.94E-89	0.191656	chr14_771	sig	hyper
chr14	77140801	77141000	*	6.74E-144	8.44E-143	0.259984	chr14_771	sig	hyper
chr14	85529201	85529400	*	6.30E-104	5.17E-103	0.281574	chr14_855	sig	hyper
chr14	85529401	85529600	*	4.44E-124	4.55E-123	0.292307	chr14_855	sig	hyper
chr14	85529801	85530000	*	0	0	0.281026	chr14_855	sig	hyper
chr14	85530401	85530600	*	1.43E-194	2.92E-193	0.369505	chr14_855	sig	hyper
chr14	85531001	85531200	*	1.23E-161	1.83E-160	0.367317	chr14_855	sig	hyper
chr14	85531401	85531600	*	4.51E-277	1.99E-275	0.392251	chr14_855	sig	hyper
chr14	85532001	85532200	*	0	0	0.354146	chr14_855	sig	hyper
chr14	85532201	85532400	*	6.05E-308	3.61E-306	0.336418	chr14_855	sig	hyper

chr14	85534601	85534800	*	7.33E-158	1.06E-156	0.287941	chr14_855	sig	hyper
chr14	87992401	87992600	*	1.11E-35	3.83E-35	0.168976	chr14_879	sig	hyper
chr14	88326601	88326800	*	1.25E-238	3.97E-237	0.223718	chr14_883	sig	hyper
chr14	88326801	88327000	*	6.22E-227	1.75E-225	0.232399	chr14_883	sig	hyper
chr14	91352201	91352400	*	1.06E-72	6.14E-72	0.103472	chr14_913	sig	hyper
chr14	92324201	92324400	*	5.08E-165	7.85E-164	0.24092	chr14_923	sig	hyper
chr14	92527801	92528000	*	3.52E-28	1.05E-27	0.116364	chr14_925	sig	hyper
chr14	92688001	92688200	*	2.19E-28	6.53E-28	-0.12438	chr14_926	sig	hypo
chr14	93430001	93430200	*	5.05E-27	1.47E-26	0.165617	chr14_934	sig	hyper
chr14	93713401	93713600	*	2.84E-55	1.32E-54	-0.14808	chr14_937	sig	hypo
chr14	93788201	93788400	*	7.11E-135	8.17E-134	0.178712	chr14_937	sig	hyper
chr14	94768401	94768600	*	1.75E-138	2.08E-137	0.152152	chr14_947	sig	hyper
chr14	94768601	94768800	*	4.57E-88	3.14E-87	0.135324	chr14_947	sig	hyper
chr14	94769401	94769600	*	3.50E-54	1.61E-53	0.127006	chr14_947	sig	hyper
chr14	94772201	94772400	*	1.01E-42	3.95E-42	0.128404	chr14_947	sig	hyper
chr14	94773001	94773200	*	0	0	0.24697	chr14_947	sig	hyper
chr14	94773801	94774000	*	1.41E-134	1.61E-133	0.300182	chr14_947	sig	hyper
chr14	94774001	94774200	*	1.65E-99	1.29E-98	0.215824	chr14_947	sig	hyper
chr14	94936801	94937000	*	3.61E-56	1.70E-55	0.158504	chr14_949	sig	hyper
chr14	95227401	95227600	*	9.55E-114	8.71E-113	0.137991	chr14_952	sig	hyper
chr14	96592401	96592600	*	5.08E-248	1.76E-246	0.211835	chr14_965	sig	hyper
chr14	96593001	96593200	*	4.45E-80	2.81E-79	0.131776	chr14_965	sig	hyper
chr14	96595001	96595200	*	9.08E-89	6.29E-88	-0.24952	chr14_965	sig	hypo
chr14	96739601	96739800	*	7.36E-34	2.47E-33	-0.14612	chr14_967	sig	hypo
chr14	97025601	97025800	*	7.72E-32	2.49E-31	0.155693	chr14_970	sig	hyper
chr14	97025801	97026000	*	3.75E-47	1.56E-46	0.134367	chr14_970	sig	hyper
chr14	97219001	97219200	*	2.99E-265	1.20E-263	0.21713	chr14_972	sig	hyper
chr14	97219201	97219400	*	4.39E-245	1.48E-243	0.230101	chr14_972	sig	hyper
chr14	97219401	97219600	*	0	0	0.275564	chr14_972	sig	hyper
chr14	99118201	99118400	*	3.67E-78	2.26E-77	0.197843	chr14_991	sig	hyper
chr14	99192201	99192400	*	4.08E-70	2.30E-69	-0.13323	chr14_991	sig	hypo
chr14	99215201	99215400	*	1.24E-38	4.50E-38	0.114482	chr14_992	sig	hyper
chr14	99246001	99246200	*	1.92E-121	1.91E-120	0.284317	chr14_992	sig	hyper
chr14	99247001	99247200	*	2.42E-123	2.45E-122	0.257194	chr14_992	sig	hyper
chr14	99319801	99320000	*	5.24E-112	4.68E-111	-0.25297	chr14_993	sig	hypo
chr14	99321001	99321200	*	4.73E-76	2.85E-75	-0.14645	chr14_993	sig	hypo
chr14	99652601	99652800	*	5.36E-96	4.02E-95	-0.13992	chr14_996	sig	hypo
chr14	99659401	99659600	*	6.70E-68	3.67E-67	0.227032	chr14_996	sig	hyper
chr14	99792601	99792800	*	1.71E-57	8.18E-57	0.132829	chr14_997	sig	hyper
chr14	99792801	99793000	*	7.18E-207	1.67E-205	0.244063	chr14_997	sig	hyper
chr14	99946801	99947000	*	3.15E-26	8.98E-26	0.100692	chr14_999	sig	hyper
chr14	100130801	100131000	*	2.87E-63	1.47E-62	-0.15534	chr14_100	sig	hypo
chr14	100328801	100329000	*	1.16E-33	3.87E-33	-0.10738	chr14_100	sig	hypo
chr14	100657001	100657200	*	1.90E-39	7.03E-39	-0.11905	chr14_100	sig	hypo
chr14	100657201	100657400	*	1.16E-44	4.66E-44	-0.14095	chr14_100	sig	hypo
chr14	100657401	100657600	*	1.99E-39	7.34E-39	-0.14628	chr14_100	sig	hypo
chr14	100691601	100691800	*	1.96E-271	8.21E-270	-0.26735	chr14_100	sig	hypo
chr14	100693001	100693200	*	1.48E-73	8.64E-73	-0.15488	chr14_100	sig	hypo
chr14	100709601	100709800	*	1.88E-32	6.14E-32	-0.13713	chr14_100	sig	hypo
chr14	100824801	100825000	*	9.16E-40	3.40E-39	-0.13441	chr14_100	sig	hypo
chr14	100826201	100826400	*	4.82E-138	5.70E-137	0.173197	chr14_100	sig	hyper
chr14	100826401	100826600	*	1.27E-52	5.69E-52	0.146524	chr14_100	sig	hyper
chr14	100826601	100826800	*	3.84E-46	1.58E-45	0.113594	chr14_100	sig	hyper
chr14	100827001	100827200	*	2.73E-20	6.70E-20	0.125735	chr14_100	sig	hyper
chr14	100836001	100836200	*	4.95E-46	2.03E-45	-0.17349	chr14_100	sig	hypo
chr14	101022001	101022200	*	3.45E-43	1.35E-42	-0.12555	chr14_101	sig	hypo

chr14	101044001	101044200	*	2.47E-72	1.42E-71	-0.1397	chr14_101	sig	hypo
chr14	101060601	101060800	*	8.83E-124	8.99E-123	-0.21758	chr14_101	sig	hypo
chr14	101062001	101062200	*	2.30E-49	9.91E-49	-0.16222	chr14_101	sig	hypo
chr14	101064401	101064600	*	1.41E-39	5.22E-39	-0.10347	chr14_101	sig	hypo
chr14	101065201	101065400	*	6.79E-66	3.62E-65	-0.10789	chr14_101	sig	hypo
chr14	101065601	101065800	*	1.39E-59	6.86E-59	-0.10435	chr14_101	sig	hypo
chr14	101364401	101364600	*	8.62E-20	2.08E-19	-0.10209	chr14_101	sig	hypo
chr14	101442401	101442600	*	2.71E-91	1.93E-90	-0.20342	chr14_101	sig	hypo
chr14	101456801	101457000	*	1.33E-44	5.33E-44	0.105609	chr14_101	sig	hyper
chr14	101565001	101565200	*	2.30E-177	3.99E-176	0.180453	chr14_101	sig	hyper
chr14	101590801	101591000	*	3.55E-29	1.08E-28	-0.10146	chr14_101	sig	hypo
chr14	101781801	101782000	*	2.44E-74	1.44E-73	0.179066	chr14_101	sig	hyper
chr14	101933201	101933400	*	1.05E-82	6.81E-82	-0.13659	chr14_101	sig	hypo
chr14	102555601	102555800	*	1.73E-47	7.25E-47	0.121827	chr14_102	sig	hyper
chr14	102923601	102923800	*	3.64E-21	9.12E-21	0.104906	chr14_102	sig	hyper
chr14	102949401	102949600	*	3.48E-35	1.19E-34	0.117574	chr14_102	sig	hyper
chr14	103207401	103207600	*	6.19E-45	2.49E-44	0.138996	chr14_103	sig	hyper
chr14	103225201	103225400	*	2.43E-37	8.64E-37	-0.10601	chr14_103	sig	hypo
chr14	103281801	103282000	*	1.77E-24	4.85E-24	-0.12016	chr14_103	sig	hypo
chr14	103693601	103693800	*	1.41E-29	4.33E-29	-0.11286	chr14_103	sig	hypo
chr14	103712601	103712800	*	1.14E-31	3.67E-31	-0.11825	chr14_103	sig	hypo
chr14	103727801	103728000	*	8.31E-140	9.98E-139	0.157519	chr14_103	sig	hyper
chr14	103729601	103729800	*	4.94E-47	2.05E-46	-0.11553	chr14_103	sig	hypo
chr14	103879401	103879600	*	1.50E-53	6.80E-53	-0.17226	chr14_103	sig	hypo
chr14	104134201	104134400	*	1.39E-40	5.21E-40	-0.12987	chr14_104	sig	hypo
chr14	104158801	104159000	*	4.31E-152	5.87E-151	-0.26063	chr14_104	sig	hypo
chr14	104159001	104159200	*	2.24E-201	4.92E-200	-0.31217	chr14_104	sig	hypo
chr14	104159201	104159400	*	3.12E-110	2.73E-109	-0.26244	chr14_104	sig	hypo
chr14	104164201	104164400	*	7.25E-35	2.47E-34	-0.14192	chr14_104	sig	hypo
chr14	104172001	104172200	*	1.39E-25	3.91E-25	-0.10479	chr14_104	sig	hypo
chr14	104180001	104180200	*	1.23E-145	1.57E-144	-0.24066	chr14_104	sig	hypo
chr14	104180601	104180800	*	1.20E-53	5.45E-53	-0.11771	chr14_104	sig	hypo
chr14	104182001	104182200	*	3.41E-92	2.45E-91	-0.19194	chr14_104	sig	hypo
chr14	104223601	104223800	*	9.79E-186	1.83E-184	0.274387	chr14_104	sig	hyper
chr14	104223801	104224000	*	2.74E-278	1.22E-276	0.229575	chr14_104	sig	hyper
chr14	104230001	104230200	*	4.78E-28	1.42E-27	-0.10506	chr14_104	sig	hypo
chr14	104304201	104304400	*	7.04E-89	4.88E-88	-0.17216	chr14_104	sig	hypo
chr14	104304601	104304800	*	2.34E-149	3.11E-148	-0.20053	chr14_104	sig	hypo
chr14	104322801	104323000	*	5.39E-70	3.03E-69	-0.15251	chr14_104	sig	hypo
chr14	104323001	104323200	*	9.91E-72	5.67E-71	-0.16738	chr14_104	sig	hypo
chr14	104357601	104357800	*	3.36E-124	3.44E-123	-0.19699	chr14_104	sig	hypo
chr14	104390201	104390400	*	7.34E-43	2.87E-42	-0.17349	chr14_104	sig	hypo
chr14	104422601	104422800	*	2.73E-200	5.91E-199	0.214912	chr14_104	sig	hyper
chr14	104564801	104565000	*	6.84E-143	8.48E-142	-0.19737	chr14_104	sig	hypo
chr14	104569601	104569800	*	2.87E-25	8.02E-25	0.1091	chr14_104	sig	hyper
chr14	104604401	104604600	*	1.11E-145	1.41E-144	0.155689	chr14_104	sig	hyper
chr14	104604601	104604800	*	3.18E-233	9.52E-232	0.158718	chr14_104	sig	hyper
chr14	104605001	104605200	*	9.96E-83	6.47E-82	0.216028	chr14_104	sig	hyper
chr14	104637201	104637400	*	2.56E-140	3.09E-139	-0.24877	chr14_104	sig	hypo
chr14	104637401	104637600	*	1.68E-100	1.33E-99	-0.25981	chr14_104	sig	hypo
chr14	104728601	104728800	*	3.84E-90	2.70E-89	-0.19993	chr14_104	sig	hypo
chr14	104739801	104740000	*	9.67E-73	5.59E-72	-0.17878	chr14_104	sig	hypo
chr14	104740001	104740200	*	2.58E-96	1.94E-95	-0.20914	chr14_104	sig	hypo
chr14	104844201	104844400	*	1.31E-78	8.15E-78	0.192201	chr14_104	sig	hyper
chr14	104897401	104897600	*	8.09E-38	2.90E-37	-0.12585	chr14_104	sig	hypo
chr14	104926801	104927000	*	5.33E-119	5.16E-118	-0.28448	chr14_104	sig	hypo

chr14	104946601	104946800	*	2.67E-44	1.07E-43	-0.14162	chr14_104	sig	hypo
chr14	104952401	104952600	*	2.58E-35	8.86E-35	-0.14633	chr14_104	sig	hypo
chr14	105137001	105137200	*	1.41E-88	9.77E-88	-0.16855	chr14_105	sig	hypo
chr14	105528801	105529000	*	1.48E-50	6.44E-50	0.123319	chr14_105	sig	hyper
chr14	105529001	105529200	*	3.59E-38	1.29E-37	0.109408	chr14_105	sig	hyper
chr14	105529401	105529600	*	4.68E-38	1.68E-37	0.115138	chr14_105	sig	hyper
chr14	105537201	105537400	*	2.67E-34	9.02E-34	-0.12463	chr14_105	sig	hypo
chr14	105708001	105708200	*	2.28E-21	5.74E-21	-0.10096	chr14_105	sig	hypo
chr14	105763201	105763400	*	2.96E-91	2.11E-90	-0.19855	chr14_105	sig	hypo
chr14	105769801	105770000	*	2.62E-128	2.80E-127	-0.20005	chr14_105	sig	hypo
chr14	105855001	105855200	*	1.10E-38	3.99E-38	-0.10475	chr14_105	sig	hypo
chr14	106802601	106802800	*	1.14E-56	5.39E-56	-0.15588	chr14_106	sig	hypo
chr15	22714401	22714600	*	1.99E-138	2.37E-137	0.173816	chr15_227	sig	hyper
chr15	22758001	22758200	*	1.73E-69	9.68E-69	0.168379	chr15_227	sig	hyper
chr15	22949401	22949600	*	1.16E-130	1.27E-129	-0.32152	chr15_229	sig	hypo
chr15	23180601	23180800	*	1.05E-56	4.96E-56	-0.14923	chr15_231	sig	hypo
chr15	23686401	23686600	*	2.29E-134	2.62E-133	0.235156	chr15_236	sig	hyper
chr15	23897801	23898000	*	9.23E-104	7.56E-103	0.199868	chr15_238	sig	hyper
chr15	24101801	24102000	*	6.26E-74	3.68E-73	0.12219	chr15_241	sig	hyper
chr15	24477601	24477800	*	1.30E-90	9.21E-90	0.235906	chr15_244	sig	hyper
chr15	24477801	24478000	*	1.61E-148	2.12E-147	0.247862	chr15_244	sig	hyper
chr15	24773001	24773200	*	2.28E-272	9.61E-271	0.237881	chr15_247	sig	hyper
chr15	24773201	24773400	*	9.27E-111	8.17E-110	0.232415	chr15_247	sig	hyper
chr15	24848201	24848400	*	4.48E-84	2.96E-83	0.207683	chr15_248	sig	hyper
chr15	24878201	24878400	*	4.11E-118	3.94E-117	0.165217	chr15_248	sig	hyper
chr15	24878401	24878600	*	1.11E-32	3.66E-32	0.144606	chr15_248	sig	hyper
chr15	24955001	24955200	*	2.11E-26	6.06E-26	0.152322	chr15_249	sig	hyper
chr15	25241401	25241600	*	6.84E-31	2.16E-30	-0.11335	chr15_252	sig	hypo
chr15	25727201	25727400	*	1.96E-49	8.44E-49	-0.1247	chr15_257	sig	hypo
chr15	25863401	25863600	*	0	0	0.287926	chr15_258	sig	hyper
chr15	25863601	25863800	*	2.10E-199	4.49E-198	0.232535	chr15_258	sig	hyper
chr15	26629801	26630000	*	1.25E-25	3.53E-25	-0.11223	chr15_266	sig	hypo
chr15	26866401	26866600	*	7.72E-112	6.88E-111	0.242713	chr15_268	sig	hyper
chr15	26866601	26866800	*	2.81E-94	2.06E-93	0.202758	chr15_268	sig	hyper
chr15	26866801	26867000	*	1.46E-130	1.60E-129	0.269326	chr15_268	sig	hyper
chr15	26968001	26968200	*	2.72E-66	1.46E-65	0.183273	chr15_269	sig	hyper
chr15	26970801	26971000	*	2.16E-142	2.67E-141	0.209395	chr15_269	sig	hyper
chr15	28097001	28097200	*	1.75E-156	2.48E-155	0.19039	chr15_280	sig	hyper
chr15	28107201	28107400	*	2.41E-122	2.42E-121	0.162916	chr15_281	sig	hyper
chr15	28107401	28107600	*	9.35E-112	8.32E-111	0.185888	chr15_281	sig	hyper
chr15	28832001	28832200	*	5.92E-205	1.35E-203	0.241244	chr15_288	sig	hyper
chr15	28832201	28832400	*	1.15E-286	5.53E-285	0.301933	chr15_288	sig	hyper
chr15	28832401	28832600	*	0	0	0.314591	chr15_288	sig	hyper
chr15	29115601	29115800	*	2.78E-133	3.14E-132	0.196614	chr15_291	sig	hyper
chr15	29675201	29675400	*	1.40E-198	2.97E-197	0.174576	chr15_296	sig	hyper
chr15	29688601	29688800	*	1.16E-80	7.35E-80	-0.1745	chr15_296	sig	hypo
chr15	29968201	29968400	*	8.34E-52	3.70E-51	0.113971	chr15_299	sig	hyper
chr15	31483001	31483200	*	5.15E-86	3.46E-85	0.231163	chr15_314	sig	hyper
chr15	33311601	33311800	*	6.26E-117	5.92E-116	0.226471	chr15_333	sig	hyper
chr15	34336401	34336600	*	8.70E-26	2.46E-25	0.100866	chr15_343	sig	hyper
chr15	34437801	34438000	*	4.72E-88	3.24E-87	0.115663	chr15_344	sig	hyper
chr15	34495601	34495800	*	1.36E-73	7.96E-73	0.167408	chr15_344	sig	hyper
chr15	34754401	34754600	*	7.75E-109	6.68E-108	0.307983	chr15_347	sig	hyper
chr15	34754801	34755000	*	6.32E-147	8.19E-146	0.248749	chr15_347	sig	hyper
chr15	36880001	36880200	*	2.11E-61	1.06E-60	0.211223	chr15_368	sig	hyper
chr15	37096201	37096400	*	2.23E-17	5.03E-17	0.119342	chr15_370	sig	hyper

chr15	37097201	37097400	*	9.11E-110	7.93E-109	0.190409	chr15_370	sig	hyper
chr15	37098001	37098200	*	1.28E-228	3.67E-227	0.293568	chr15_370	sig	hyper
chr15	37102401	37102600	*	7.87E-48	3.31E-47	0.13179	chr15_371	sig	hyper
chr15	37102801	37103000	*	8.58E-113	7.74E-112	0.164198	chr15_371	sig	hyper
chr15	40072401	40072600	*	4.31E-34	1.45E-33	-0.12774	chr15_400	sig	hypo
chr15	40239601	40239800	*	1.27E-61	6.40E-61	-0.17901	chr15_402	sig	hypo
chr15	40278201	40278400	*	2.54E-73	1.48E-72	-0.18411	chr15_402	sig	hypo
chr15	40768001	40768200	*	4.23E-68	2.32E-67	-0.16299	chr15_407	sig	hypo
chr15	40952601	40952800	*	1.19E-31	3.82E-31	-0.12737	chr15_409	sig	hypo
chr15	41152401	41152600	*	3.12E-28	9.28E-28	-0.14058	chr15_411	sig	hypo
chr15	41403001	41403200	*	6.55E-27	1.90E-26	-0.1369	chr15_414	sig	hypo
chr15	41501601	41501800	*	2.95E-60	1.46E-59	0.18077	chr15_415	sig	hyper
chr15	41622001	41622200	*	4.51E-20	1.10E-19	0.123944	chr15_416	sig	hyper
chr15	41894201	41894400	*	8.24E-111	7.28E-110	-0.21524	chr15_418	sig	hypo
chr15	41894801	41895000	*	0	0	-0.20085	chr15_418	sig	hypo
chr15	43210801	43211000	*	4.29E-39	1.57E-38	-0.1217	chr15_432	sig	hypo
chr15	43800001	43800200	*	4.49E-69	2.50E-68	-0.13672	chr15_438	sig	hypo
chr15	45111801	45112000	*	2.08E-58	1.01E-57	0.195385	chr15_451	sig	hyper
chr15	45116401	45116600	*	1.88E-38	6.81E-38	0.160651	chr15_451	sig	hyper
chr15	45116601	45116800	*	7.13E-96	5.33E-95	0.191196	chr15_451	sig	hyper
chr15	45118001	45118200	*	1.70E-32	5.55E-32	0.135468	chr15_451	sig	hyper
chr15	45378801	45379000	*	1.08E-90	7.64E-90	0.189892	chr15_453	sig	hyper
chr15	45379001	45379200	*	5.83E-38	2.09E-37	0.106587	chr15_453	sig	hyper
chr15	45704201	45704400	*	1.11E-261	4.34E-260	0.231868	chr15_457	sig	hyper
chr15	45704401	45704600	*	1.67E-277	7.37E-276	0.254746	chr15_457	sig	hyper
chr15	47184001	47184200	*	7.78E-74	4.56E-73	0.18734	chr15_471	sig	hyper
chr15	47184801	47185000	*	1.92E-296	1.02E-294	0.234143	chr15_471	sig	hyper
chr15	48644601	48644800	*	4.87E-109	4.21E-108	0.106263	chr15_486	sig	hyper
chr15	51093601	51093800	*	1.13E-63	5.84E-63	0.152833	chr15_510	sig	hyper
chr15	52783201	52783400	*	6.41E-99	4.97E-98	0.147594	chr15_527	sig	hyper
chr15	52783401	52783600	*	1.08E-59	5.31E-59	0.161894	chr15_527	sig	hyper
chr15	52784001	52784200	*	6.17E-45	2.48E-44	0.114064	chr15_527	sig	hyper
chr15	52785801	52786000	*	6.05E-76	3.64E-75	0.125874	chr15_527	sig	hyper
chr15	52788201	52788400	*	1.21E-278	5.38E-277	0.276677	chr15_527	sig	hyper
chr15	52788601	52788800	*	3.40E-89	2.36E-88	0.27106	chr15_527	sig	hyper
chr15	52789001	52789200	*	4.01E-184	7.35E-183	0.280509	chr15_527	sig	hyper
chr15	52791201	52791400	*	2.89E-164	4.42E-163	0.267572	chr15_527	sig	hyper
chr15	52794401	52794600	*	3.76E-70	2.12E-69	0.163944	chr15_527	sig	hyper
chr15	52794601	52794800	*	3.17E-146	4.07E-145	0.190455	chr15_527	sig	hyper
chr15	52794801	52795000	*	4.17E-88	2.87E-87	0.243236	chr15_527	sig	hyper
chr15	52795001	52795200	*	3.45E-83	2.26E-82	0.261934	chr15_527	sig	hyper
chr15	52795201	52795400	*	1.76E-129	1.90E-128	0.226377	chr15_527	sig	hyper
chr15	52795401	52795600	*	3.35E-183	6.09E-182	0.268237	chr15_527	sig	hyper
chr15	52798601	52798800	*	7.49E-68	4.09E-67	0.182246	chr15_527	sig	hyper
chr15	52800801	52801000	*	2.00E-47	8.38E-47	0.192923	chr15_528	sig	hyper
chr15	52801201	52801400	*	1.90E-188	3.69E-187	0.198109	chr15_528	sig	hyper
chr15	55588601	55588800	*	0	0	0.238815	chr15_555	sig	hyper
chr15	55588801	55589000	*	0	0	0.329053	chr15_555	sig	hyper
chr15	55589001	55589200	*	6.18E-40	2.30E-39	0.22393	chr15_555	sig	hyper
chr15	55741801	55742000	*	6.85E-112	6.11E-111	0.262497	chr15_557	sig	hyper
chr15	57303001	57303200	*	2.78E-33	9.20E-33	-0.15721	chr15_573	sig	hypo
chr15	57310401	57310600	*	1.04E-23	2.79E-23	0.118909	chr15_573	sig	hyper
chr15	58065001	58065200	*	1.33E-57	6.36E-57	0.10512	chr15_580	sig	hyper
chr15	58864801	58865000	*	2.33E-70	1.32E-69	0.213153	chr15_588	sig	hyper
chr15	59993401	59993600	*	8.79E-241	2.85E-239	0.204439	chr15_599	sig	hyper
chr15	59994201	59994400	*	5.63E-127	5.93E-126	0.257685	chr15_599	sig	hyper

chr15	59994801	59995000	*	1.44E-128	1.54E-127	0.162236	chr15_599	sig	hyper
chr15	59995201	59995400	*	7.54E-185	1.40E-183	0.219304	chr15_599	sig	hyper
chr15	60002201	60002400	*	3.81E-88	2.62E-87	0.163894	chr15_600	sig	hyper
chr15	60003001	60003200	*	5.19E-61	2.59E-60	0.16125	chr15_600	sig	hyper
chr15	61227201	61227400	*	9.57E-43	3.73E-42	0.116641	chr15_612	sig	hyper
chr15	61229801	61230000	*	4.14E-25	1.15E-24	0.114435	chr15_612	sig	hyper
chr15	62165401	62165600	*	4.23E-97	3.21E-96	-0.14182	chr15_621	sig	hypo
chr15	64894201	64894400	*	8.57E-253	3.12E-251	0.271289	chr15_648	sig	hyper
chr15	65075001	65075200	*	1.10E-40	4.14E-40	-0.19975	chr15_650	sig	hypo
chr15	65396801	65397000	*	9.15E-158	1.31E-156	0.215904	chr15_653	sig	hyper
chr15	66706601	66706800	*	1.00E-84	6.64E-84	-0.16716	chr15_667	sig	hypo
chr15	67830201	67830400	*	1.02E-41	3.90E-41	0.130238	chr15_678	sig	hyper
chr15	69035801	69036000	*	3.69E-65	1.95E-64	-0.20717	chr15_690	sig	hypo
chr15	69298401	69298600	*	8.73E-58	4.20E-57	0.113696	chr15_692	sig	hyper
chr15	69462201	69462400	*	7.33E-109	6.32E-108	-0.12346	chr15_694	sig	hypo
chr15	70089001	70089200	*	1.55E-35	5.34E-35	0.149367	chr15_700	sig	hyper
chr15	70196601	70196800	*	4.53E-155	6.34E-154	-0.25929	chr15_701	sig	hypo
chr15	70475001	70475200	*	3.92E-132	4.36E-131	-0.23394	chr15_704	sig	hypo
chr15	70475201	70475400	*	1.44E-250	5.12E-249	-0.33322	chr15_704	sig	hypo
chr15	71783401	71783600	*	2.75E-114	2.53E-113	-0.24495	chr15_717	sig	hypo
chr15	72286201	72286400	*	6.44E-13	1.25E-12	-0.11458	chr15_722	sig	hypo
chr15	73367401	73367600	*	3.66E-108	3.13E-107	0.153156	chr15_733	sig	hyper
chr15	74132601	74132800	*	1.83E-72	1.05E-71	0.204566	chr15_741	sig	hyper
chr15	74133001	74133200	*	1.10E-115	1.03E-114	0.337131	chr15_741	sig	hyper
chr15	74133201	74133400	*	8.99E-122	8.96E-121	0.297489	chr15_741	sig	hyper
chr15	74133801	74134000	*	7.91E-131	8.66E-130	0.25571	chr15_741	sig	hyper
chr15	74434201	74434400	*	1.14E-145	1.46E-144	0.254212	chr15_744	sig	hyper
chr15	74955601	74955800	*	1.45E-186	2.74E-185	-0.34322	chr15_749	sig	hypo
chr15	74956001	74956200	*	2.99E-64	1.56E-63	-0.17475	chr15_749	sig	hypo
chr15	75178801	75179000	*	8.34E-31	2.63E-30	0.100935	chr15_751	sig	hyper
chr15	75739201	75739400	*	1.37E-45	5.57E-45	0.134809	chr15_757	sig	hyper
chr15	77641401	77641600	*	3.45E-97	2.62E-96	-0.22533	chr15_776	sig	hypo
chr15	77975601	77975800	*	2.36E-20	5.81E-20	-0.13277	chr15_779	sig	hypo
chr15	78339601	78339800	*	2.91E-62	1.48E-61	0.119706	chr15_783	sig	hyper
chr15	78757201	78757400	*	8.09E-38	2.90E-37	-0.12361	chr15_787	sig	hypo
chr15	78871601	78871800	*	1.15E-67	6.25E-67	-0.23747	chr15_788	sig	hypo
chr15	79090201	79090400	*	2.46E-177	4.27E-176	0.234083	chr15_790	sig	hyper
chr15	79090601	79090800	*	2.49E-195	5.14E-194	0.340489	chr15_790	sig	hyper
chr15	79091001	79091200	*	1.12E-83	7.36E-83	0.259379	chr15_790	sig	hyper
chr15	79091201	79091400	*	2.40E-143	2.99E-142	0.178202	chr15_790	sig	hyper
chr15	79091401	79091600	*	0.00E+00	0.00E+00	0.190964	chr15_790	sig	hyper
chr15	79282401	79282600	*	3.14E-21	7.88E-21	0.114094	chr15_792	sig	hyper
chr15	79283001	79283200	*	3.71E-31	1.18E-30	0.140658	chr15_792	sig	hyper
chr15	79283801	79284000	*	5.53E-78	3.41E-77	0.196385	chr15_792	sig	hyper
chr15	79433201	79433400	*	5.87E-51	2.58E-50	0.20338	chr15_794	sig	hyper
chr15	81118401	81118600	*	8.59E-92	6.15E-91	0.198979	chr15_811	sig	hyper
chr15	81134201	81134400	*	1.23E-123	1.25E-122	0.216303	chr15_811	sig	hyper
chr15	82044401	82044600	*	3.43E-166	5.37E-165	0.143924	chr15_820	sig	hyper
chr15	82646201	82646400	*	9.65E-75	5.73E-74	0.276231	chr15_826	sig	hyper
chr15	82647401	82647600	*	9.83E-101	7.79E-100	0.229921	chr15_826	sig	hyper
chr15	82648401	82648600	*	1.29E-57	6.18E-57	0.219582	chr15_826	sig	hyper
chr15	82648601	82648800	*	3.09E-86	2.08E-85	0.154833	chr15_826	sig	hyper
chr15	82681001	82681200	*	1.13E-262	4.41E-261	0.323663	chr15_826	sig	hyper
chr15	82710001	82710200	*	3.49E-107	2.95E-106	0.199585	chr15_827	sig	hyper
chr15	83107001	83107200	*	6.15E-230	1.79E-228	0.179692	chr15_831	sig	hyper
chr15	83107201	83107400	*	9.44E-103	7.65E-102	0.170899	chr15_831	sig	hyper

chr15	83108001	83108200	*	4.75E-77	2.90E-76	0.192499	chr15_831	sig	hyper
chr15	83108201	83108400	*	9.34E-37	3.29E-36	0.146653	chr15_831	sig	hyper
chr15	83206801	83207000	*	0	0	0.232935	chr15_832	sig	hyper
chr15	83283001	83283200	*	2.72E-140	3.28E-139	0.272366	chr15_832	sig	hyper
chr15	83283801	83284000	*	0	0	0.351767	chr15_832	sig	hyper
chr15	83284001	83284200	*	1.25E-252	4.52E-251	0.300668	chr15_832	sig	hyper
chr15	83284801	83285000	*	2.00E-144	2.53E-143	0.2636	chr15_832	sig	hyper
chr15	83285001	83285200	*	5.64E-200	1.21E-198	0.303194	chr15_832	sig	hyper
chr15	83285401	83285600	*	4.26E-22	1.09E-21	0.108591	chr15_832	sig	hyper
chr15	83379201	83379400	*	8.99E-91	6.36E-90	0.167103	chr15_833	sig	hyper
chr15	83379401	83379600	*	2.05E-79	1.28E-78	0.15101	chr15_833	sig	hyper
chr15	83447201	83447400	*	8.39E-98	6.42E-97	0.14635	chr15_834	sig	hyper
chr15	84079801	84080000	*	1.42E-83	9.33E-83	0.207688	chr15_840	sig	hyper
chr15	84080001	84080200	*	1.64E-117	1.56E-116	0.171881	chr15_840	sig	hyper
chr15	84080601	84080800	*	2.87E-59	1.41E-58	0.173679	chr15_840	sig	hyper
chr15	85413601	85413800	*	3.13E-61	1.57E-60	-0.12518	chr15_854	sig	hypo
chr15	88255001	88255200	*	1.43E-65	7.61E-65	0.164268	chr15_882	sig	hyper
chr15	88255201	88255400	*	4.52E-91	3.21E-90	0.13879	chr15_882	sig	hyper
chr15	88255401	88255600	*	0	0	0.276948	chr15_882	sig	hyper
chr15	88255601	88255800	*	1.54E-71	8.81E-71	0.149998	chr15_882	sig	hyper
chr15	88258201	88258400	*	1.58E-108	1.36E-107	0.241224	chr15_882	sig	hyper
chr15	88604601	88604800	*	1.21E-89	8.44E-89	0.126424	chr15_886	sig	hyper
chr15	88605001	88605200	*	8.59E-62	4.34E-61	0.20135	chr15_886	sig	hyper
chr15	88614401	88614600	*	5.25E-35	1.79E-34	-0.10789	chr15_886	sig	hypo
chr15	88769601	88769800	*	1.16E-28	3.49E-28	0.129474	chr15_887	sig	hyper
chr15	88769801	88770000	*	3.37E-159	4.91E-158	0.178467	chr15_887	sig	hyper
chr15	89221601	89221800	*	6.75E-112	6.02E-111	-0.25464	chr15_892	sig	hypo
chr15	89360201	89360400	*	1.04E-103	8.49E-103	0.252029	chr15_893	sig	hyper
chr15	89360401	89360600	*	9.37E-199	1.99E-197	0.230172	chr15_893	sig	hyper
chr15	89367801	89368000	*	5.14E-252	1.85E-250	0.192759	chr15_893	sig	hyper
chr15	89368001	89368200	*	2.45E-94	1.80E-93	0.156064	chr15_893	sig	hyper
chr15	89371601	89371800	*	0	0	0.148655	chr15_893	sig	hyper
chr15	89371801	89372000	*	2.21E-205	5.09E-204	0.257763	chr15_893	sig	hyper
chr15	89377601	89377800	*	3.80E-198	8.02E-197	0.169332	chr15_893	sig	hyper
chr15	89379401	89379600	*	2.04E-61	1.03E-60	0.157953	chr15_893	sig	hyper
chr15	89406201	89406400	*	5.93E-157	8.47E-156	0.113229	chr15_894	sig	hyper
chr15	89407401	89407600	*	8.24E-200	1.77E-198	0.206964	chr15_894	sig	hyper
chr15	89408601	89408800	*	6.94E-81	4.43E-80	0.147905	chr15_894	sig	hyper
chr15	89409001	89409200	*	0	0	0.30311	chr15_894	sig	hyper
chr15	89409601	89409800	*	3.10E-153	4.26E-152	0.186064	chr15_894	sig	hyper
chr15	89410001	89410200	*	3.58E-139	4.27E-138	0.183741	chr15_894	sig	hyper
chr15	89411801	89412000	*	1.65E-81	1.06E-80	0.13049	chr15_894	sig	hyper
chr15	89416601	89416800	*	1.29E-40	4.86E-40	0.130482	chr15_894	sig	hyper
chr15	89913201	89913400	*	4.86E-33	1.61E-32	-0.10325	chr15_899	sig	hypo
chr15	90212801	90213000	*	3.45E-71	1.96E-70	-0.18088	chr15_902	sig	hypo
chr15	90904201	90904400	*	4.11E-20	1.00E-19	-0.11626	chr15_909	sig	hypo
chr15	90957401	90957600	*	3.23E-37	1.15E-36	0.161267	chr15_909	sig	hyper
chr15	91854801	91855000	*	2.67E-80	1.69E-79	0.1931	chr15_918	sig	hyper
chr15	92393001	92393200	*	3.03E-54	1.39E-53	0.160251	chr15_923	sig	hyper
chr15	92393401	92393600	*	1.71E-82	1.11E-81	0.121407	chr15_923	sig	hyper
chr15	92394001	92394200	*	1.01E-85	6.74E-85	0.118148	chr15_923	sig	hyper
chr15	92609401	92609600	*	5.25E-44	2.09E-43	-0.14257	chr15_926	sig	hypo
chr15	92652601	92652800	*	5.70E-14	1.15E-13	-0.11953	chr15_926	sig	hypo
chr15	93036801	93037000	*	6.63E-73	3.84E-72	-0.16731	chr15_930	sig	hypo
chr15	93041601	93041800	*	3.58E-90	2.52E-89	-0.15441	chr15_930	sig	hypo
chr15	93071801	93072000	*	4.98E-61	2.49E-60	0.113475	chr15_930	sig	hyper

chr15	93074601	93074800	*	8.56E-104	7.01E-103	-0.19494	chr15_930	sig	hypo
chr15	93090001	93090200	*	3.26E-69	1.82E-68	0.114809	chr15_930	sig	hyper
chr15	93900801	93901000	*	1.37E-27	4.03E-27	-0.11294	chr15_939	sig	hypo
chr15	95327001	95327200	*	4.72E-114	4.33E-113	0.192785	chr15_953	sig	hyper
chr15	95327201	95327400	*	1.58E-58	7.67E-58	0.25382	chr15_953	sig	hyper
chr15	96343801	96344000	*	2.45E-48	1.04E-47	0.115447	chr15_963	sig	hyper
chr15	96358201	96358400	*	8.92E-35	3.04E-34	0.120434	chr15_963	sig	hyper
chr15	96361401	96361600	*	8.65E-55	4.01E-54	0.154674	chr15_963	sig	hyper
chr15	96361601	96361800	*	2.61E-80	1.65E-79	0.213773	chr15_963	sig	hyper
chr15	96366601	96366800	*	6.10E-73	3.53E-72	0.180791	chr15_963	sig	hyper
chr15	96367801	96368000	*	8.88E-64	4.59E-63	0.241445	chr15_963	sig	hyper
chr15	96416801	96417000	*	3.71E-86	2.50E-85	0.152685	chr15_964	sig	hyper
chr15	96417001	96417200	*	1.00E-116	9.44E-116	0.190181	chr15_964	sig	hyper
chr15	99426601	99426800	*	3.62E-61	1.81E-60	-0.1092	chr15_994	sig	hypo
chr15	99438801	99439000	*	1.50E-26	4.32E-26	-0.14096	chr15_994	sig	hypo
chr15	99733801	99734000	*	1.42E-45	5.79E-45	-0.12327	chr15_997	sig	hypo
chr15	100349401	100349600	*	4.05E-42	1.56E-41	-0.10189	chr15_100	sig	hypo
chr15	100373601	100373800	*	2.60E-118	2.50E-117	0.24385	chr15_100	sig	hyper
chr15	100861201	100861400	*	3.59E-25	1.00E-24	-0.11478	chr15_100	sig	hypo
chr15	100880401	100880600	*	0	0	0.362828	chr15_100	sig	hyper
chr15	101009001	101009200	*	2.59E-148	3.41E-147	-0.22146	chr15_101	sig	hypo
chr15	101189201	101189400	*	9.28E-64	4.80E-63	0.129872	chr15_101	sig	hyper
chr15	101320801	101321000	*	2.29E-31	7.29E-31	0.117752	chr15_101	sig	hyper
chr16	165401	165600	*	3.54E-210	8.47E-209	0.150475	chr16_165	sig	hyper
chr16	179401	179600	*	7.36E-33	2.42E-32	-0.10202	chr16_179	sig	hypo
chr16	229801	230000	*	2.24E-24	6.12E-24	-0.14352	chr16_229	sig	hypo
chr16	324401	324600	*	2.91E-42	1.13E-41	-0.14172	chr16_324	sig	hypo
chr16	361001	361200	*	2.14E-37	7.63E-37	-0.1039	chr16_361	sig	hypo
chr16	361201	361400	*	0	0	-0.34672	chr16_361	sig	hypo
chr16	361401	361600	*	3.59E-302	2.01E-300	-0.42069	chr16_361	sig	hypo
chr16	370001	370200	*	1.85E-171	3.07E-170	0.161717	chr16_370	sig	hyper
chr16	414401	414600	*	6.62E-38	2.37E-37	-0.18621	chr16_414	sig	hypo
chr16	509201	509400	*	1.14E-75	6.87E-75	-0.22053	chr16_509	sig	hypo
chr16	535201	535400	*	1.65E-20	4.07E-20	-0.11919	chr16_535	sig	hypo
chr16	555001	555200	*	1.62E-51	7.16E-51	-0.13011	chr16_555	sig	hypo
chr16	555201	555400	*	1.34E-213	3.29E-212	-0.18482	chr16_555	sig	hypo
chr16	561201	561400	*	9.86E-116	9.20E-115	-0.22198	chr16_561	sig	hypo
chr16	563201	563400	*	5.31E-43	2.08E-42	-0.15228	chr16_563	sig	hypo
chr16	565801	566000	*	1.02E-48	4.34E-48	-0.11833	chr16_565	sig	hypo
chr16	566801	567000	*	1.31E-32	4.29E-32	0.106594	chr16_566	sig	hyper
chr16	622201	622400	*	4.07E-104	3.34E-103	-0.16355	chr16_622	sig	hypo
chr16	646401	646600	*	1.54E-29	4.74E-29	-0.12024	chr16_646	sig	hypo
chr16	648001	648200	*	1.30E-38	4.71E-38	-0.10325	chr16_648	sig	hypo
chr16	676601	676800	*	4.83E-97	3.67E-96	-0.19095	chr16_676	sig	hypo
chr16	697201	697400	*	6.30E-67	3.40E-66	-0.1546	chr16_697	sig	hypo
chr16	706201	706400	*	3.00E-64	1.56E-63	0.100767	chr16_706	sig	hyper
chr16	725601	725800	*	1.71E-46	7.07E-46	-0.12893	chr16_725	sig	hypo
chr16	748201	748400	*	3.78E-34	1.27E-33	-0.14034	chr16_748	sig	hypo
chr16	759401	759600	*	4.15E-86	2.79E-85	-0.14638	chr16_759	sig	hypo
chr16	759601	759800	*	4.71E-23	1.24E-22	-0.15686	chr16_759	sig	hypo
chr16	760801	761000	*	1.70E-34	5.77E-34	-0.12512	chr16_760	sig	hypo
chr16	761001	761200	*	6.96E-74	4.08E-73	-0.11872	chr16_761	sig	hypo
chr16	770001	770200	*	4.65E-56	2.19E-55	-0.1473	chr16_770	sig	hypo
chr16	775401	775600	*	6.24E-121	6.16E-120	-0.22273	chr16_775	sig	hypo
chr16	804201	804400	*	2.03E-90	1.43E-89	-0.14664	chr16_804	sig	hypo
chr16	804401	804600	*	1.37E-69	7.66E-69	-0.16613	chr16_804	sig	hypo

chr16	828001	828200	*	5.57E-101	4.43E-100	-0.2021	chr16_828	sig	hypo
chr16	829001	829200	*	2.17E-38	7.86E-38	-0.14476	chr16_829	sig	hypo
chr16	833801	834000	*	2.78E-95	2.06E-94	-0.22466	chr16_833	sig	hypo
chr16	839001	839200	*	8.57E-38	3.07E-37	-0.16844	chr16_839	sig	hypo
chr16	841201	841400	*	4.03E-35	1.38E-34	-0.11579	chr16_841	sig	hypo
chr16	841401	841600	*	1.23E-94	9.05E-94	-0.23121	chr16_841	sig	hypo
chr16	843001	843200	*	1.95E-44	7.78E-44	-0.16658	chr16_843	sig	hypo
chr16	843201	843400	*	6.58E-42	2.53E-41	-0.12785	chr16_843	sig	hypo
chr16	912801	913000	*	0	0	0.248983	chr16_912	sig	hyper
chr16	917801	918000	*	5.02E-243	1.67E-241	0.243845	chr16_917	sig	hyper
chr16	918001	918200	*	0.00E+00	0.00E+00	0.265853	chr16_918	sig	hyper
chr16	918201	918400	*	2.82E-99	2.20E-98	0.136957	chr16_918	sig	hyper
chr16	974201	974400	*	8.02E-26	2.27E-25	-0.12703	chr16_974	sig	hypo
chr16	980401	980600	*	8.95E-241	2.90E-239	0.130496	chr16_980	sig	hyper
chr16	987001	987200	*	1.29E-77	7.90E-77	-0.10871	chr16_987	sig	hypo
chr16	990401	990600	*	2.82E-38	1.02E-37	-0.11804	chr16_990	sig	hypo
chr16	991201	991400	*	1.27E-90	8.94E-90	-0.13142	chr16_991	sig	hypo
chr16	1002401	1002600	*	1.17E-182	2.12E-181	-0.26464	chr16_100	sig	hypo
chr16	1002601	1002800	*	3.30E-150	4.42E-149	-0.30722	chr16_100	sig	hypo
chr16	1003601	1003800	*	1.98E-84	1.31E-83	-0.12105	chr16_100	sig	hypo
chr16	1011801	1012000	*	1.22E-56	5.76E-56	-0.14436	chr16_101	sig	hypo
chr16	1023401	1023600	*	1.62E-107	1.38E-106	-0.17996	chr16_102	sig	hypo
chr16	1027401	1027600	*	2.00E-26	5.72E-26	-0.1357	chr16_102	sig	hypo
chr16	1027601	1027800	*	2.83E-41	1.08E-40	-0.15844	chr16_102	sig	hypo
chr16	1035601	1035800	*	1.90E-48	8.05E-48	-0.15565	chr16_103	sig	hypo
chr16	1038401	1038600	*	3.63E-101	2.89E-100	-0.14494	chr16_103	sig	hypo
chr16	1044601	1044800	*	1.35E-215	3.37E-214	-0.25218	chr16_104	sig	hypo
chr16	1060801	1061000	*	3.76E-113	3.41E-112	-0.14016	chr16_106	sig	hypo
chr16	1088201	1088400	*	5.06E-43	1.98E-42	-0.10479	chr16_108	sig	hypo
chr16	1093601	1093800	*	5.14E-204	1.16E-202	-0.22697	chr16_109	sig	hypo
chr16	1096401	1096600	*	7.90E-52	3.51E-51	-0.15919	chr16_109	sig	hypo
chr16	1097801	1098000	*	3.07E-47	1.28E-46	-0.16257	chr16_109	sig	hypo
chr16	1104801	1105000	*	1.15E-116	1.09E-115	-0.24982	chr16_110	sig	hypo
chr16	1107201	1107400	*	1.76E-121	1.75E-120	-0.20909	chr16_110	sig	hypo
chr16	1129401	1129600	*	1.34E-128	1.44E-127	-0.26869	chr16_112	sig	hypo
chr16	1146601	1146800	*	7.50E-124	7.65E-123	-0.23971	chr16_114	sig	hypo
chr16	1157001	1157200	*	1.81E-31	5.80E-31	-0.12283	chr16_115	sig	hypo
chr16	1170401	1170600	*	1.03E-28	3.10E-28	-0.11292	chr16_117	sig	hypo
chr16	1176001	1176200	*	2.96E-53	1.34E-52	-0.17084	chr16_117	sig	hypo
chr16	1194401	1194600	*	1.13E-43	4.48E-43	-0.13093	chr16_119	sig	hypo
chr16	1197201	1197400	*	1.72E-79	1.08E-78	-0.15486	chr16_119	sig	hypo
chr16	1221001	1221200	*	9.36E-146	1.20E-144	-0.31508	chr16_122	sig	hypo
chr16	1223601	1223800	*	6.66E-48	2.80E-47	-0.16339	chr16_122	sig	hypo
chr16	1247201	1247400	*	2.69E-92	1.94E-91	-0.14141	chr16_124	sig	hypo
chr16	1256801	1257000	*	9.22E-47	3.82E-46	-0.13339	chr16_125	sig	hypo
chr16	1258001	1258200	*	1.58E-41	6.05E-41	-0.11715	chr16_125	sig	hypo
chr16	1258201	1258400	*	8.68E-37	3.06E-36	-0.1303	chr16_125	sig	hypo
chr16	1266201	1266400	*	1.47E-89	1.03E-88	-0.25012	chr16_126	sig	hypo
chr16	1266401	1266600	*	3.92E-110	3.43E-109	-0.20037	chr16_126	sig	hypo
chr16	1288201	1288400	*	2.10E-296	1.12E-294	-0.27287	chr16_128	sig	hypo
chr16	1288401	1288600	*	1.18E-110	1.04E-109	-0.17673	chr16_128	sig	hypo
chr16	1299401	1299600	*	1.67E-32	5.46E-32	-0.15738	chr16_129	sig	hypo
chr16	1300001	1300200	*	1.86E-34	6.30E-34	-0.12205	chr16_130	sig	hypo
chr16	1341601	1341800	*	4.23E-93	3.07E-92	-0.14755	chr16_134	sig	hypo
chr16	1344001	1344200	*	7.97E-67	4.30E-66	-0.17242	chr16_134	sig	hypo
chr16	1354801	1355000	*	3.17E-17	7.12E-17	-0.10388	chr16_135	sig	hypo

chr16	1363401	1363600	*	4.12E-48	1.74E-47	-0.11757	chr16_136	sig	hypo
chr16	1427801	1428000	*	8.71E-42	3.34E-41	-0.15616	chr16_142	sig	hypo
chr16	1428401	1428600	*	9.82E-32	3.16E-31	-0.11807	chr16_142	sig	hypo
chr16	1434601	1434800	*	3.39E-48	1.43E-47	-0.10102	chr16_143	sig	hypo
chr16	1436001	1436200	*	1.10E-75	6.60E-75	-0.16501	chr16_143	sig	hypo
chr16	1436401	1436600	*	1.34E-270	5.55E-269	-0.40502	chr16_143	sig	hypo
chr16	1437401	1437600	*	9.17E-75	5.45E-74	-0.15551	chr16_143	sig	hypo
chr16	1439001	1439200	*	3.09E-90	2.17E-89	-0.17972	chr16_143	sig	hypo
chr16	1443401	1443600	*	3.99E-60	1.97E-59	-0.1669	chr16_144	sig	hypo
chr16	1443601	1443800	*	1.40E-224	3.84E-223	-0.26178	chr16_144	sig	hypo
chr16	1443801	1444000	*	7.25E-94	5.30E-93	-0.23756	chr16_144	sig	hypo
chr16	1482401	1482600	*	1.47E-95	1.09E-94	-0.25659	chr16_148	sig	hypo
chr16	1487001	1487200	*	1.87E-19	4.48E-19	-0.10837	chr16_148	sig	hypo
chr16	1487601	1487800	*	2.15E-37	7.66E-37	-0.10453	chr16_148	sig	hypo
chr16	1531001	1531200	*	1.33E-84	8.86E-84	0.13474	chr16_153	sig	hyper
chr16	1533801	1534000	*	2.09E-286	1.00E-284	0.190107	chr16_153	sig	hyper
chr16	1534001	1534200	*	3.97E-32	1.29E-31	0.115824	chr16_153	sig	hyper
chr16	1543401	1543600	*	1.75E-248	6.08E-247	-0.27456	chr16_154	sig	hypo
chr16	1548801	1549000	*	0	0	-0.42035	chr16_154	sig	hypo
chr16	1549001	1549200	*	0	0	-0.36142	chr16_154	sig	hypo
chr16	1758201	1758400	*	5.85E-45	2.36E-44	0.124462	chr16_175	sig	hyper
chr16	1793601	1793800	*	2.74E-21	6.89E-21	-0.10159	chr16_179	sig	hypo
chr16	1793801	1794000	*	1.68E-16	3.69E-16	-0.10514	chr16_179	sig	hypo
chr16	1911601	1911800	*	2.63E-34	8.88E-34	-0.10419	chr16_191	sig	hypo
chr16	1941401	1941600	*	1.24E-65	6.59E-65	-0.19378	chr16_194	sig	hypo
chr16	1961201	1961400	*	2.37E-42	9.17E-42	-0.15531	chr16_196	sig	hypo
chr16	1963001	1963200	*	1.39E-73	8.09E-73	-0.13687	chr16_196	sig	hypo
chr16	1989001	1989200	*	6.09E-51	2.67E-50	-0.15678	chr16_198	sig	hypo
chr16	1991401	1991600	*	3.93E-110	3.44E-109	0.238398	chr16_199	sig	hyper
chr16	1992601	1992800	*	1.54E-56	7.28E-56	0.132265	chr16_199	sig	hyper
chr16	2082201	2082400	*	1.60E-33	5.33E-33	0.102225	chr16_208	sig	hyper
chr16	2082401	2082600	*	4.28E-144	5.38E-143	0.180929	chr16_208	sig	hyper
chr16	2090201	2090400	*	1.09E-53	4.97E-53	0.122303	chr16_209	sig	hyper
chr16	2124601	2124800	*	1.26E-22	3.28E-22	0.107028	chr16_212	sig	hyper
chr16	2163401	2163600	*	1.81E-56	8.56E-56	-0.15639	chr16_216	sig	hypo
chr16	2163601	2163800	*	1.93E-127	2.04E-126	-0.22061	chr16_216	sig	hypo
chr16	2182201	2182400	*	7.11E-117	6.72E-116	-0.19658	chr16_218	sig	hypo
chr16	2182401	2182600	*	1.72E-77	1.05E-76	-0.20563	chr16_218	sig	hypo
chr16	2183801	2184000	*	6.80E-133	7.62E-132	-0.15503	chr16_218	sig	hypo
chr16	2184001	2184200	*	4.97E-181	8.89E-180	-0.21363	chr16_218	sig	hypo
chr16	2189201	2189400	*	1.78E-119	1.73E-118	-0.13357	chr16_218	sig	hypo
chr16	2284201	2284400	*	2.73E-133	3.08E-132	-0.17323	chr16_228	sig	hypo
chr16	2472801	2473000	*	1.86E-69	1.04E-68	-0.15274	chr16_247	sig	hypo
chr16	2473001	2473200	*	3.00E-50	1.31E-49	-0.17068	chr16_247	sig	hypo
chr16	2497401	2497600	*	3.67E-13	7.21E-13	0.106561	chr16_249	sig	hyper
chr16	2714201	2714400	*	9.52E-104	7.79E-103	-0.24266	chr16_271	sig	hypo
chr16	3009601	3009800	*	7.19E-81	4.58E-80	-0.19366	chr16_300	sig	hypo
chr16	3029601	3029800	*	2.70E-95	2.00E-94	0.16939	chr16_302	sig	hyper
chr16	3029801	3030000	*	1.37E-54	6.34E-54	0.112508	chr16_302	sig	hyper
chr16	3055801	3056000	*	2.91E-21	7.31E-21	-0.10935	chr16_305	sig	hypo
chr16	3080201	3080400	*	4.42E-59	2.16E-58	-0.11299	chr16_308	sig	hypo
chr16	3089001	3089200	*	1.17E-57	5.59E-57	-0.141	chr16_308	sig	hypo
chr16	3092601	3092800	*	3.21E-24	8.73E-24	-0.10777	chr16_309	sig	hypo
chr16	3101201	3101400	*	1.93E-59	9.49E-59	-0.22948	chr16_310	sig	hypo
chr16	3175001	3175200	*	1.44E-128	1.54E-127	0.206654	chr16_317	sig	hyper
chr16	3175401	3175600	*	8.91E-66	4.74E-65	0.147673	chr16_317	sig	hyper

chr16	3180601	3180800	*	1.04E-20	2.58E-20	0.100201	chr16_318	sig	hyper
chr16	3182601	3182800	*	1.96E-82	1.27E-81	0.103137	chr16_318	sig	hyper
chr16	3183001	3183200	*	4.41E-303	2.51E-301	0.252407	chr16_318	sig	hyper
chr16	3183401	3183600	*	3.26E-115	3.03E-114	0.164293	chr16_318	sig	hyper
chr16	3183801	3184000	*	1.13E-243	3.76E-242	0.245081	chr16_318	sig	hyper
chr16	3184201	3184400	*	0	0	0.291368	chr16_318	sig	hyper
chr16	3189201	3189400	*	8.02E-224	2.18E-222	0.199685	chr16_318	sig	hyper
chr16	3192601	3192800	*	8.49E-100	6.64E-99	0.130419	chr16_319	sig	hyper
chr16	3192801	3193000	*	6.39E-31	2.02E-30	0.120786	chr16_319	sig	hyper
chr16	3236001	3236200	*	8.82E-79	5.49E-78	-0.21606	chr16_323	sig	hypo
chr16	3305001	3305200	*	3.41E-129	3.68E-128	0.336605	chr16_330	sig	hyper
chr16	3305201	3305400	*	0	0	0.243059	chr16_330	sig	hyper
chr16	3305401	3305600	*	0	0	0.201223	chr16_330	sig	hyper
chr16	3365001	3365200	*	2.06E-65	1.09E-64	0.193879	chr16_336	sig	hyper
chr16	3365201	3365400	*	2.81E-108	2.41E-107	0.195813	chr16_336	sig	hyper
chr16	3414001	3414200	*	3.82E-24	1.04E-23	0.17481	chr16_341	sig	hyper
chr16	3466001	3466200	*	7.75E-39	2.83E-38	-0.103	chr16_346	sig	hypo
chr16	3938601	3938800	*	2.87E-10	5.00E-10	0.110979	chr16_393	sig	hyper
chr16	3950401	3950600	*	2.15E-126	2.25E-125	-0.19215	chr16_395	sig	hypo
chr16	3950601	3950800	*	7.45E-56	3.50E-55	-0.18279	chr16_395	sig	hypo
chr16	3950801	3951000	*	4.19E-30	1.30E-29	-0.12731	chr16_395	sig	hypo
chr16	4006201	4006400	*	8.59E-57	4.08E-56	0.15699	chr16_400	sig	hyper
chr16	4332001	4332200	*	6.03E-94	4.42E-93	-0.22758	chr16_433	sig	hypo
chr16	4332201	4332400	*	8.44E-43	3.30E-42	-0.18832	chr16_433	sig	hypo
chr16	4335001	4335200	*	2.32E-51	1.02E-50	-0.11976	chr16_433	sig	hypo
chr16	4335201	4335400	*	2.15E-91	1.53E-90	-0.14664	chr16_433	sig	hypo
chr16	4701401	4701600	*	3.66E-56	1.72E-55	-0.18473	chr16_470	sig	hypo
chr16	6020201	6020400	*	8.52E-67	4.59E-66	0.145665	chr16_602	sig	hyper
chr16	6483601	6483800	*	3.77E-124	3.86E-123	0.25718	chr16_648	sig	hyper
chr16	7303401	7303600	*	2.23E-202	4.97E-201	0.331124	chr16_730	sig	hyper
chr16	7304201	7304400	*	4.01E-67	2.17E-66	0.235027	chr16_730	sig	hyper
chr16	7304401	7304600	*	2.16E-173	3.63E-172	0.236023	chr16_730	sig	hyper
chr16	10180401	10180600	*	1.82E-105	1.52E-104	0.208242	chr16_101	sig	hyper
chr16	10182601	10182800	*	1.74E-92	1.25E-91	0.188936	chr16_101	sig	hyper
chr16	10182801	10183000	*	3.84E-202	8.52E-201	0.271488	chr16_101	sig	hyper
chr16	10183401	10183600	*	7.38E-221	1.94E-219	0.17374	chr16_101	sig	hyper
chr16	10877201	10877400	*	1.02E-112	9.20E-112	-0.20656	chr16_108	sig	hypo
chr16	11182001	11182200	*	1.37E-32	4.49E-32	-0.12695	chr16_111	sig	hypo
chr16	11229801	11230000	*	1.17E-50	5.12E-50	-0.17636	chr16_112	sig	hypo
chr16	11233001	11233200	*	3.15E-47	1.32E-46	0.185929	chr16_112	sig	hyper
chr16	11233201	11233400	*	2.21E-122	2.22E-121	0.167202	chr16_112	sig	hyper
chr16	11635201	11635400	*	9.09E-108	7.74E-107	-0.35949	chr16_116	sig	hypo
chr16	11675801	11676000	*	1.62E-23	4.33E-23	-0.10133	chr16_116	sig	hypo
chr16	11676201	11676400	*	7.40E-127	7.78E-126	-0.25088	chr16_116	sig	hypo
chr16	12903201	12903400	*	1.58E-42	6.13E-42	0.176067	chr16_129	sig	hyper
chr16	12903601	12903800	*	2.07E-87	1.41E-86	0.19398	chr16_129	sig	hyper
chr16	12903801	12904000	*	3.50E-55	1.63E-54	0.161967	chr16_129	sig	hyper
chr16	14303601	14303800	*	3.03E-25	8.44E-25	0.15919	chr16_143	sig	hyper
chr16	14303801	14304000	*	9.08E-35	3.09E-34	0.118889	chr16_143	sig	hyper
chr16	14309001	14309200	*	1.88E-82	1.22E-81	0.172052	chr16_143	sig	hyper
chr16	14406001	14406200	*	9.41E-36	3.26E-35	-0.1176	chr16_144	sig	hypo
chr16	15143801	15144000	*	8.51E-54	3.88E-53	0.184963	chr16_151	sig	hyper
chr16	21511601	21511800	*	1.08E-54	5.00E-54	-0.13701	chr16_215	sig	hypo
chr16	22162201	22162400	*	5.17E-23	1.36E-22	0.112719	chr16_221	sig	hyper
chr16	22948201	22948400	*	2.12E-150	2.85E-149	0.217621	chr16_229	sig	hyper
chr16	23836201	23836400	*	0	0	0.250024	chr16_238	sig	hyper

chr16	25691201	25691400	*	2.71E-36	9.45E-36	0.128443	chr16_256	sig	hyper
chr16	27223001	27223200	*	3.61E-25	1.00E-24	-0.11188	chr16_272	sig	hypo
chr16	28866201	28866400	*	5.52E-22	1.41E-21	0.11999	chr16_288	sig	hyper
chr16	28880401	28880600	*	2.77E-96	2.08E-95	0.137528	chr16_288	sig	hyper
chr16	29156601	29156800	*	8.74E-92	6.25E-91	-0.18268	chr16_291	sig	hypo
chr16	29157401	29157600	*	1.84E-21	4.65E-21	-0.13814	chr16_291	sig	hypo
chr16	29181801	29182000	*	1.47E-133	1.66E-132	-0.22003	chr16_291	sig	hypo
chr16	29182001	29182200	*	2.77E-55	1.29E-54	-0.16369	chr16_291	sig	hypo
chr16	29217601	29217800	*	9.53E-83	6.20E-82	-0.15688	chr16_292	sig	hypo
chr16	29218801	29219000	*	2.05E-134	2.34E-133	-0.19144	chr16_292	sig	hypo
chr16	29231001	29231200	*	5.22E-153	7.14E-152	0.167534	chr16_292	sig	hyper
chr16	29252001	29252200	*	3.62E-87	2.46E-86	-0.278	chr16_292	sig	hypo
chr16	29318001	29318200	*	5.00E-123	5.05E-122	-0.15327	chr16_293	sig	hypo
chr16	29785001	29785200	*	2.02E-128	2.16E-127	0.15867	chr16_297	sig	hyper
chr16	29785201	29785400	*	3.06E-107	2.59E-106	0.131119	chr16_297	sig	hyper
chr16	29785401	29785600	*	5.08E-26	1.44E-25	0.100386	chr16_297	sig	hyper
chr16	29877201	29877400	*	7.42E-63	3.80E-62	0.150548	chr16_298	sig	hyper
chr16	29877401	29877600	*	2.16E-75	1.29E-74	0.189039	chr16_298	sig	hyper
chr16	30006001	30006200	*	6.41E-76	3.86E-75	-0.20464	chr16_300	sig	hypo
chr16	30007201	30007400	*	1.26E-150	1.70E-149	-0.24382	chr16_300	sig	hypo
chr16	30023001	30023200	*	1.06E-66	5.68E-66	-0.21205	chr16_300	sig	hypo
chr16	30031801	30032000	*	6.54E-34	2.19E-33	-0.14182	chr16_300	sig	hypo
chr16	30121801	30122000	*	1.64E-56	7.74E-56	-0.13528	chr16_301	sig	hypo
chr16	30445001	30445200	*	8.42E-74	4.92E-73	-0.18029	chr16_304	sig	hypo
chr16	30474201	30474400	*	1.65E-128	1.77E-127	0.209916	chr16_304	sig	hyper
chr16	30561401	30561600	*	1.39E-81	8.95E-81	0.10179	chr16_305	sig	hyper
chr16	30821201	30821400	*	6.70E-127	7.06E-126	-0.27496	chr16_308	sig	hypo
chr16	30821401	30821600	*	3.84E-30	1.19E-29	-0.15144	chr16_308	sig	hypo
chr16	30956601	30956800	*	1.71E-27	5.03E-27	-0.10369	chr16_309	sig	hypo
chr16	31010801	31011000	*	1.08E-39	3.99E-39	0.141014	chr16_310	sig	hyper
chr16	31011001	31011200	*	3.11E-66	1.67E-65	0.131149	chr16_310	sig	hyper
chr16	31217001	31217200	*	1.15E-80	7.34E-80	0.127127	chr16_312	sig	hyper
chr16	31371601	31371800	*	1.91E-105	1.59E-104	-0.15066	chr16_313	sig	hypo
chr16	31442001	31442200	*	2.11E-22	5.47E-22	0.115164	chr16_314	sig	hyper
chr16	31569201	31569400	*	7.42E-44	2.94E-43	0.235943	chr16_315	sig	hyper
chr16	31569601	31569800	*	4.57E-169	7.37E-168	0.262813	chr16_315	sig	hyper
chr16	35553201	35553400	*	2.63E-19	6.29E-19	0.116432	chr16_355	sig	hyper
chr16	46428801	46429000	*	2.61E-19	6.25E-19	0.105247	chr16_464	sig	hyper
chr16	46573601	46573800	*	3.48E-61	1.74E-60	-0.24977	chr16_465	sig	hypo
chr16	46731401	46731600	*	5.68E-192	1.14E-190	-0.29778	chr16_467	sig	hypo
chr16	46885001	46885200	*	2.48E-102	2.00E-101	-0.1362	chr16_468	sig	hypo
chr16	47038201	47038400	*	4.00E-25	1.11E-24	-0.13889	chr16_470	sig	hypo
chr16	49275201	49275400	*	8.17E-191	1.62E-189	0.220182	chr16_492	sig	hyper
chr16	49277401	49277600	*	2.42E-110	2.12E-109	0.207493	chr16_492	sig	hyper
chr16	49277601	49277800	*	1.55E-84	1.03E-83	0.185793	chr16_492	sig	hyper
chr16	49277801	49278000	*	1.32E-230	3.87E-229	0.261081	chr16_492	sig	hyper
chr16	49278001	49278200	*	0	0	0.307834	chr16_492	sig	hyper
chr16	49278601	49278800	*	1.50E-209	3.56E-208	0.270803	chr16_492	sig	hyper
chr16	49280801	49281000	*	1.22E-129	1.32E-128	0.150664	chr16_492	sig	hyper
chr16	49282801	49283000	*	1.13E-43	4.45E-43	0.100104	chr16_492	sig	hyper
chr16	49465001	49465200	*	2.10E-48	8.92E-48	0.188654	chr16_494	sig	hyper
chr16	49635801	49636000	*	4.48E-38	1.61E-37	-0.13172	chr16_496	sig	hypo
chr16	49702401	49702600	*	2.19E-39	8.07E-39	-0.14044	chr16_497	sig	hypo
chr16	49849801	49850000	*	7.00E-51	3.07E-50	-0.18625	chr16_498	sig	hypo
chr16	50391401	50391600	*	1.69E-42	6.58E-42	-0.13757	chr16_503	sig	hypo
chr16	51113601	51113800	*	8.77E-203	1.96E-201	0.172036	chr16_511	sig	hyper

chr16	51113801	51114000	*	3.95E-184	7.24E-183	0.210466	chr16_511	sig	hyper
chr16	51149401	51149600	*	8.70E-209	2.06E-207	0.277443	chr16_511	sig	hyper
chr16	51150001	51150200	*	5.08E-122	5.07E-121	0.256489	chr16_511	sig	hyper
chr16	51150801	51151000	*	8.13E-137	9.49E-136	0.278611	chr16_511	sig	hyper
chr16	51151001	51151200	*	0	0	0.416083	chr16_511	sig	hyper
chr16	51151401	51151600	*	0	0	0.30602	chr16_511	sig	hyper
chr16	51153601	51153800	*	2.21E-263	8.74E-262	0.291441	chr16_511	sig	hyper
chr16	51153801	51154000	*	0	0	0.263501	chr16_511	sig	hyper
chr16	51155801	51156000	*	6.89E-171	1.14E-169	0.246142	chr16_511	sig	hyper
chr16	51156001	51156200	*	0	0	0.296022	chr16_511	sig	hyper
chr16	51156201	51156400	*	0	0	0.32787	chr16_511	sig	hyper
chr16	54283001	54283200	*	8.30E-23	2.17E-22	0.112946	chr16_542	sig	hyper
chr16	54288401	54288600	*	2.09E-141	2.55E-140	0.276799	chr16_542	sig	hyper
chr16	54289001	54289200	*	2.14E-195	4.43E-194	0.263207	chr16_542	sig	hyper
chr16	54290201	54290400	*	1.09E-220	2.85E-219	0.236946	chr16_542	sig	hyper
chr16	54291201	54291400	*	1.05E-88	7.24E-88	0.197472	chr16_542	sig	hyper
chr16	54291601	54291800	*	1.85E-46	7.62E-46	0.14191	chr16_542	sig	hyper
chr16	54931801	54932000	*	6.91E-87	4.68E-86	0.217866	chr16_549	sig	hyper
chr16	54932601	54932800	*	0	0	0.269931	chr16_549	sig	hyper
chr16	54933801	54934000	*	1.32E-116	1.24E-115	0.193426	chr16_549	sig	hyper
chr16	54934801	54935000	*	1.92E-32	6.26E-32	0.115421	chr16_549	sig	hyper
chr16	54939201	54939400	*	1.52E-20	3.75E-20	0.15377	chr16_549	sig	hyper
chr16	54939601	54939800	*	1.53E-29	4.70E-29	0.133156	chr16_549	sig	hyper
chr16	54940001	54940200	*	2.46E-126	2.57E-125	0.225343	chr16_549	sig	hyper
chr16	55323801	55324000	*	1.34E-115	1.25E-114	0.131027	chr16_553	sig	hyper
chr16	55327601	55327800	*	1.68E-90	1.19E-89	0.220735	chr16_553	sig	hyper
chr16	55328801	55329000	*	8.89E-181	1.58E-179	0.288705	chr16_553	sig	hyper
chr16	55330201	55330400	*	6.50E-23	1.71E-22	0.141327	chr16_553	sig	hyper
chr16	55330801	55331000	*	1.46E-134	1.67E-133	0.27358	chr16_553	sig	hyper
chr16	55331801	55332000	*	2.64E-86	1.78E-85	0.275521	chr16_553	sig	hyper
chr16	55478801	55479000	*	1.80E-16	3.96E-16	0.124287	chr16_554	sig	hyper
chr16	55656401	55656600	*	0	0	0.264407	chr16_556	sig	hyper
chr16	55656601	55656800	*	1.27E-161	1.89E-160	0.213565	chr16_556	sig	hyper
chr16	56190601	56190800	*	3.61E-251	1.29E-249	0.249051	chr16_561	sig	hyper
chr16	56190801	56191000	*	0	0	0.260564	chr16_561	sig	hyper
chr16	56193801	56194000	*	1.53E-59	7.53E-59	0.195204	chr16_561	sig	hyper
chr16	56194401	56194600	*	0	0	0.151803	chr16_561	sig	hyper
chr16	56194601	56194800	*	7.87E-88	5.39E-87	0.146757	chr16_561	sig	hyper
chr16	56336601	56336800	*	1.83E-38	6.63E-38	-0.10121	chr16_563	sig	hypo
chr16	56608001	56608200	*	9.28E-23	2.42E-22	-0.12025	chr16_566	sig	hypo
chr16	57260401	57260600	*	1.91E-23	5.11E-23	-0.14612	chr16_572	sig	hypo
chr16	57529401	57529600	*	1.44E-102	1.16E-101	-0.197	chr16_575	sig	hypo
chr16	57667401	57667600	*	4.96E-55	2.31E-54	-0.17802	chr16_576	sig	hypo
chr16	57797801	57798000	*	1.66E-63	8.54E-63	-0.11732	chr16_577	sig	hypo
chr16	57798201	57798400	*	2.83E-26	8.10E-26	-0.10343	chr16_577	sig	hypo
chr16	57802801	57803000	*	7.45E-82	4.79E-81	0.214468	chr16_578	sig	hyper
chr16	57803001	57803200	*	6.17E-57	2.94E-56	0.215629	chr16_578	sig	hyper
chr16	58464601	58464800	*	1.03E-196	2.14E-195	0.203987	chr16_584	sig	hyper
chr16	58464801	58465000	*	7.00E-99	5.42E-98	0.181945	chr16_584	sig	hyper
chr16	58511601	58511800	*	3.66E-30	1.14E-29	-0.15408	chr16_585	sig	hypo
chr16	62035801	62036000	*	1.52E-125	1.57E-124	0.315016	chr16_620	sig	hyper
chr16	62036001	62036200	*	0	0	0.284832	chr16_620	sig	hyper
chr16	62036201	62036400	*	0	0	0.309652	chr16_620	sig	hyper
chr16	62036401	62036600	*	8.92E-229	2.57E-227	0.324568	chr16_620	sig	hyper
chr16	63617601	63617800	*	4.14E-33	1.37E-32	0.165288	chr16_636	sig	hyper
chr16	66549001	66549200	*	5.64E-30	1.75E-29	0.11041	chr16_665	sig	hyper

chr16	66579001	66579200	*	2.54E-235	7.77E-234	0.225756	chr16_665	sig	hyper
chr16	66579201	66579400	*	1.94E-295	1.02E-293	0.160825	chr16_665	sig	hyper
chr16	66579401	66579600	*	1.73E-88	1.19E-87	0.143392	chr16_665	sig	hyper
chr16	66604201	66604400	*	3.25E-136	3.78E-135	0.250451	chr16_666	sig	hyper
chr16	66604401	66604600	*	3.23E-141	3.93E-140	0.155947	chr16_666	sig	hyper
chr16	66845801	66846000	*	1.82E-104	1.50E-103	-0.27112	chr16_668	sig	hypo
chr16	66948801	66949000	*	2.47E-69	1.37E-68	0.1436	chr16_669	sig	hyper
chr16	66974201	66974400	*	9.56E-123	9.63E-122	-0.26752	chr16_669	sig	hypo
chr16	66975201	66975400	*	7.91E-30	2.44E-29	-0.1614	chr16_669	sig	hypo
chr16	67161601	67161800	*	0	0	-0.33407	chr16_671	sig	hypo
chr16	67161801	67162000	*	0	0	-0.34778	chr16_671	sig	hypo
chr16	67163001	67163200	*	1.13E-80	7.17E-80	0.166007	chr16_671	sig	hyper
chr16	67163201	67163400	*	0	0	0.313685	chr16_671	sig	hyper
chr16	67163601	67163800	*	0	0	0.375194	chr16_671	sig	hyper
chr16	67165401	67165600	*	0.00E+00	0.00E+00	0.352828	chr16_671	sig	hyper
chr16	67165601	67165800	*	2.96E-170	4.83E-169	0.265225	chr16_671	sig	hyper
chr16	67165801	67166000	*	1.70E-79	1.07E-78	0.127472	chr16_671	sig	hyper
chr16	67185201	67185400	*	9.61E-46	3.91E-45	0.123128	chr16_671	sig	hyper
chr16	67326201	67326400	*	7.67E-13	1.49E-12	-0.11002	chr16_673	sig	hypo
chr16	67394201	67394400	*	3.86E-28	1.15E-27	0.107378	chr16_673	sig	hyper
chr16	67394401	67394600	*	3.38E-34	1.14E-33	0.108044	chr16_673	sig	hyper
chr16	67399201	67399400	*	1.82E-37	6.48E-37	-0.14087	chr16_673	sig	hypo
chr16	67649801	67650000	*	7.62E-53	3.43E-52	0.135349	chr16_676	sig	hyper
chr16	67884601	67884800	*	1.49E-16	3.29E-16	0.109268	chr16_678	sig	hyper
chr16	67964001	67964200	*	7.67E-69	4.24E-68	0.102325	chr16_679	sig	hyper
chr16	67982401	67982600	*	2.02E-52	9.05E-52	-0.1218	chr16_679	sig	hypo
chr16	68239601	68239800	*	1.11E-19	2.68E-19	-0.12795	chr16_682	sig	hypo
chr16	68447601	68447800	*	4.56E-13	8.93E-13	0.138793	chr16_684	sig	hyper
chr16	69324601	69324800	*	8.44E-44	3.34E-43	-0.16516	chr16_693	sig	hypo
chr16	69742401	69742600	*	1.31E-114	1.21E-113	-0.20176	chr16_697	sig	hypo
chr16	70646201	70646400	*	2.62E-22	6.78E-22	-0.1146	chr16_706	sig	hypo
chr16	71426201	71426400	*	3.76E-286	1.80E-284	0.237634	chr16_714	sig	hyper
chr16	71426401	71426600	*	0	0	0.23546	chr16_714	sig	hyper
chr16	72787201	72787400	*	3.15E-30	9.83E-30	-0.10435	chr16_727	sig	hypo
chr16	72961201	72961400	*	4.23E-187	8.04E-186	-0.3017	chr16_729	sig	hypo
chr16	73063001	73063200	*	7.06E-181	1.26E-179	-0.1324	chr16_730	sig	hypo
chr16	73064001	73064200	*	1.47E-26	4.24E-26	-0.12019	chr16_730	sig	hypo
chr16	75116801	75117000	*	5.23E-71	2.97E-70	-0.14789	chr16_751	sig	hypo
chr16	75224801	75225000	*	7.48E-16	1.61E-15	-0.11272	chr16_752	sig	hypo
chr16	75248401	75248600	*	5.55E-40	2.07E-39	-0.15617	chr16_752	sig	hypo
chr16	75486201	75486400	*	1.29E-15	2.75E-15	-0.11634	chr16_754	sig	hypo
chr16	77788201	77788400	*	1.32E-103	1.08E-102	0.111981	chr16_777	sig	hyper
chr16	77788401	77788600	*	0	0	0.149573	chr16_777	sig	hyper
chr16	77788801	77789000	*	2.86E-176	4.92E-175	0.30881	chr16_777	sig	hyper
chr16	77789201	77789400	*	7.93E-236	2.44E-234	0.350755	chr16_777	sig	hyper
chr16	79589601	79589800	*	2.11E-83	1.38E-82	0.201435	chr16_795	sig	hyper
chr16	81005801	81006000	*	2.67E-15	5.64E-15	-0.10499	chr16_810	sig	hypo
chr16	81493401	81493600	*	3.43E-283	1.59E-281	-0.30171	chr16_814	sig	hypo
chr16	81493601	81493800	*	1.37E-300	7.51E-299	-0.28311	chr16_814	sig	hypo
chr16	81495401	81495600	*	4.83E-32	1.57E-31	-0.14131	chr16_814	sig	hypo
chr16	81692201	81692400	*	3.78E-184	6.94E-183	-0.2438	chr16_816	sig	hypo
chr16	83935201	83935400	*	1.84E-240	5.95E-239	-0.38709	chr16_839	sig	hypo
chr16	83941001	83941200	*	3.79E-29	1.15E-28	-0.10803	chr16_839	sig	hypo
chr16	84032401	84032600	*	1.64E-111	1.46E-110	-0.29063	chr16_840	sig	hypo
chr16	84043201	84043400	*	3.47E-29	1.06E-28	-0.10733	chr16_840	sig	hypo
chr16	84302401	84302600	*	1.83E-83	1.20E-82	-0.16406	chr16_843	sig	hypo

chr16	84595201	84595400	*	2.73E-27	7.96E-27	0.119274	chr16_845	sig	hyper
chr16	84819001	84819200	*	2.24E-66	1.20E-65	-0.16029	chr16_848	sig	hypo
chr16	84851601	84851800	*	1.62E-250	5.74E-249	-0.38333	chr16_848	sig	hypo
chr16	85087201	85087400	*	1.50E-27	4.40E-27	-0.11642	chr16_850	sig	hypo
chr16	85112401	85112600	*	4.61E-80	2.91E-79	-0.13212	chr16_851	sig	hypo
chr16	85124001	85124200	*	1.14E-41	4.35E-41	-0.15569	chr16_851	sig	hypo
chr16	85147601	85147800	*	1.97E-59	9.65E-59	-0.11765	chr16_851	sig	hypo
chr16	85162401	85162600	*	1.93E-139	2.31E-138	-0.23447	chr16_851	sig	hypo
chr16	85179201	85179400	*	1.01E-142	1.25E-141	-0.21365	chr16_851	sig	hypo
chr16	85181801	85182000	*	1.10E-101	8.77E-101	-0.21212	chr16_851	sig	hypo
chr16	85208401	85208600	*	3.40E-80	2.15E-79	-0.19175	chr16_852	sig	hypo
chr16	85222601	85222800	*	1.45E-87	9.89E-87	-0.17618	chr16_852	sig	hypo
chr16	85252001	85252200	*	2.18E-45	8.84E-45	-0.11485	chr16_852	sig	hypo
chr16	85265001	85265200	*	1.24E-98	9.58E-98	-0.18738	chr16_852	sig	hypo
chr16	85282401	85282600	*	2.51E-38	9.09E-38	-0.11354	chr16_852	sig	hypo
chr16	85286201	85286400	*	1.08E-222	2.88E-221	-0.25789	chr16_852	sig	hypo
chr16	85286401	85286600	*	5.55E-33	1.83E-32	-0.10409	chr16_852	sig	hypo
chr16	85302201	85302400	*	9.22E-95	6.81E-94	-0.20251	chr16_853	sig	hypo
chr16	85303001	85303200	*	1.61E-19	3.87E-19	-0.13706	chr16_853	sig	hypo
chr16	85309801	85310000	*	1.36E-13	2.71E-13	-0.11644	chr16_853	sig	hypo
chr16	85310001	85310200	*	4.46E-35	1.53E-34	-0.10394	chr16_853	sig	hypo
chr16	85349001	85349200	*	1.73E-52	7.76E-52	-0.146	chr16_853	sig	hypo
chr16	85452001	85452200	*	7.13E-170	1.16E-168	-0.1812	chr16_854	sig	hypo
chr16	85483601	85483800	*	8.12E-245	2.74E-243	-0.19085	chr16_854	sig	hypo
chr16	85483801	85484000	*	2.13E-225	5.88E-224	-0.242	chr16_854	sig	hypo
chr16	85484001	85484200	*	2.54E-167	4.01E-166	-0.27367	chr16_854	sig	hypo
chr16	85485001	85485200	*	3.02E-162	4.52E-161	-0.27069	chr16_854	sig	hypo
chr16	85485201	85485400	*	4.37E-280	1.96E-278	-0.31066	chr16_854	sig	hypo
chr16	85485401	85485600	*	3.82E-196	7.95E-195	-0.19378	chr16_854	sig	hypo
chr16	85574401	85574600	*	1.74E-65	9.22E-65	-0.11626	chr16_855	sig	hypo
chr16	85584801	85585000	*	7.28E-37	2.57E-36	-0.11003	chr16_855	sig	hypo
chr16	85585001	85585200	*	2.64E-42	1.02E-41	-0.10982	chr16_855	sig	hypo
chr16	85616801	85617000	*	1.78E-67	9.68E-67	-0.16454	chr16_856	sig	hypo
chr16	85620801	85621000	*	1.43E-41	5.46E-41	-0.1156	chr16_856	sig	hypo
chr16	85625201	85625400	*	0	0	-0.28371	chr16_856	sig	hypo
chr16	85626201	85626400	*	1.31E-69	7.33E-69	-0.13081	chr16_856	sig	hypo
chr16	85626401	85626600	*	2.65E-48	1.12E-47	-0.1043	chr16_856	sig	hypo
chr16	85637801	85638000	*	1.59E-80	1.01E-79	-0.16567	chr16_856	sig	hypo
chr16	85638001	85638200	*	2.14E-54	9.83E-54	-0.10372	chr16_856	sig	hypo
chr16	85641401	85641600	*	1.73E-43	6.81E-43	-0.10834	chr16_856	sig	hypo
chr16	85642601	85642800	*	8.20E-45	3.29E-44	-0.13655	chr16_856	sig	hypo
chr16	85642801	85643000	*	3.82E-205	8.77E-204	-0.23296	chr16_856	sig	hypo
chr16	85643201	85643400	*	4.73E-250	1.67E-248	-0.34265	chr16_856	sig	hypo
chr16	85644401	85644600	*	5.69E-68	3.12E-67	-0.16833	chr16_856	sig	hypo
chr16	85644601	85644800	*	1.54E-78	9.53E-78	-0.10705	chr16_856	sig	hypo
chr16	85651201	85651400	*	1.78E-26	5.11E-26	-0.13532	chr16_856	sig	hypo
chr16	85697601	85697800	*	1.16E-160	1.71E-159	-0.23387	chr16_856	sig	hypo
chr16	85707801	85708000	*	4.26E-41	1.62E-40	-0.14157	chr16_857	sig	hypo
chr16	85832601	85832800	*	3.23E-54	1.48E-53	-0.14777	chr16_858	sig	hypo
chr16	85892401	85892600	*	6.13E-25	1.70E-24	-0.11963	chr16_858	sig	hypo
chr16	85947601	85947800	*	0	0	-0.34479	chr16_859	sig	hypo
chr16	85982601	85982800	*	6.15E-197	1.29E-195	-0.1892	chr16_859	sig	hypo
chr16	86337601	86337800	*	3.56E-165	5.50E-164	-0.24986	chr16_863	sig	hypo
chr16	86444001	86444200	*	3.97E-81	2.54E-80	0.227928	chr16_864	sig	hyper
chr16	86495001	86495200	*	1.52E-223	4.12E-222	0.230967	chr16_864	sig	hyper
chr16	86495201	86495400	*	1.98E-104	1.63E-103	0.227435	chr16_864	sig	hyper

chr16	86496201	86496400	*	5.58E-199	1.18E-197	0.255126	chr16_864	sig	hyper
chr16	86497201	86497400	*	4.11E-95	3.05E-94	0.24874	chr16_864	sig	hyper
chr16	86504401	86504600	*	8.78E-78	5.39E-77	0.181401	chr16_865	sig	hyper
chr16	86504601	86504800	*	2.21E-164	3.38E-163	0.229941	chr16_865	sig	hyper
chr16	86507801	86508000	*	4.55E-212	1.10E-210	0.210629	chr16_865	sig	hyper
chr16	86508001	86508200	*	6.58E-158	9.48E-157	0.201106	chr16_865	sig	hyper
chr16	86510601	86510800	*	3.30E-103	2.68E-102	0.125978	chr16_865	sig	hyper
chr16	86510801	86511000	*	6.33E-77	3.85E-76	0.166478	chr16_865	sig	hyper
chr16	86511001	86511200	*	5.83E-181	1.04E-179	0.207518	chr16_865	sig	hyper
chr16	86513001	86513200	*	1.22E-74	7.23E-74	0.151666	chr16_865	sig	hyper
chr16	86513201	86513400	*	1.50E-38	5.44E-38	0.139982	chr16_865	sig	hyper
chr16	86513601	86513800	*	1.04E-124	1.07E-123	0.211704	chr16_865	sig	hyper
chr16	86513801	86514000	*	0	0	0.366639	chr16_865	sig	hyper
chr16	86515201	86515400	*	1.48E-103	1.21E-102	0.248265	chr16_865	sig	hyper
chr16	86516001	86516200	*	2.07E-231	6.14E-230	0.262255	chr16_865	sig	hyper
chr16	86516201	86516400	*	4.21E-289	2.11E-287	0.223974	chr16_865	sig	hyper
chr16	86520601	86520800	*	8.31E-22	2.12E-21	-0.13887	chr16_865	sig	hypo
chr16	86565201	86565400	*	2.69E-66	1.44E-65	0.131374	chr16_865	sig	hyper
chr16	86566601	86566800	*	1.57E-225	4.36E-224	0.152514	chr16_865	sig	hyper
chr16	86568801	86569000	*	2.64E-99	2.06E-98	0.192405	chr16_865	sig	hyper
chr16	86578801	86579000	*	2.09E-187	3.99E-186	0.324268	chr16_865	sig	hyper
chr16	86579001	86579200	*	9.20E-228	2.62E-226	0.327777	chr16_865	sig	hyper
chr16	86580001	86580200	*	6.05E-139	7.22E-138	0.218543	chr16_865	sig	hyper
chr16	86878801	86879000	*	1.74E-70	9.83E-70	0.135865	chr16_868	sig	hyper
chr16	86931601	86931800	*	1.28E-62	6.56E-62	-0.12005	chr16_869	sig	hypo
chr16	86988801	86989000	*	8.91E-65	4.69E-64	-0.14682	chr16_869	sig	hypo
chr16	87053201	87053400	*	3.98E-15	8.35E-15	0.106299	chr16_870	sig	hyper
chr16	87067201	87067400	*	2.85E-55	1.33E-54	-0.13649	chr16_870	sig	hypo
chr16	87207801	87208000	*	2.42E-14	4.95E-14	-0.10113	chr16_872	sig	hypo
chr16	87278201	87278400	*	3.53E-171	5.84E-170	-0.21991	chr16_872	sig	hypo
chr16	87407801	87408000	*	0	0	-0.43548	chr16_874	sig	hypo
chr16	87408001	87408200	*	0	0	-0.41309	chr16_874	sig	hypo
chr16	87457801	87458000	*	5.78E-101	4.60E-100	-0.24006	chr16_874	sig	hypo
chr16	87464801	87465000	*	2.45E-28	7.31E-28	-0.15125	chr16_874	sig	hypo
chr16	87497601	87497800	*	1.88E-41	7.18E-41	-0.13165	chr16_874	sig	hypo
chr16	87518001	87518200	*	8.19E-108	6.98E-107	-0.28532	chr16_875	sig	hypo
chr16	87543801	87544000	*	7.21E-51	3.16E-50	-0.15436	chr16_875	sig	hypo
chr16	87544001	87544200	*	1.99E-72	1.15E-71	-0.1324	chr16_875	sig	hypo
chr16	87582601	87582800	*	2.15E-32	7.01E-32	0.108576	chr16_875	sig	hyper
chr16	87602801	87603000	*	1.05E-85	7.02E-85	0.109601	chr16_876	sig	hyper
chr16	87603001	87603200	*	4.23E-153	5.80E-152	0.106561	chr16_876	sig	hyper
chr16	87604801	87605000	*	2.62E-121	2.60E-120	-0.20756	chr16_876	sig	hypo
chr16	87616801	87617000	*	1.42E-25	4.00E-25	-0.13199	chr16_876	sig	hypo
chr16	87636601	87636800	*	1.90E-16	4.18E-16	-0.10164	chr16_876	sig	hypo
chr16	87648401	87648600	*	8.42E-21	2.09E-20	-0.11271	chr16_876	sig	hypo
chr16	87687001	87687200	*	1.60E-33	5.34E-33	-0.1458	chr16_876	sig	hypo
chr16	87688601	87688800	*	4.33E-38	1.56E-37	-0.12624	chr16_876	sig	hypo
chr16	87860601	87860800	*	6.02E-38	2.16E-37	-0.13681	chr16_878	sig	hypo
chr16	87870801	87871000	*	2.16E-42	8.38E-42	-0.12239	chr16_878	sig	hypo
chr16	87914201	87914400	*	3.63E-31	1.15E-30	-0.12898	chr16_879	sig	hypo
chr16	87919001	87919200	*	2.19E-26	6.28E-26	-0.13629	chr16_879	sig	hypo
chr16	88088001	88088200	*	1.40E-64	7.34E-64	-0.12836	chr16_880	sig	hypo
chr16	88089001	88089200	*	1.84E-40	6.89E-40	-0.128	chr16_880	sig	hypo
chr16	88093001	88093200	*	5.75E-37	2.03E-36	-0.11299	chr16_880	sig	hypo
chr16	88100601	88100800	*	2.56E-46	1.05E-45	0.189428	chr16_881	sig	hyper
chr16	88101201	88101400	*	9.86E-71	5.58E-70	0.180713	chr16_881	sig	hyper

chr16	88104001	88104200	*	8.86E-51	3.88E-50	-0.18695	chr16_881	sig	hypo
chr16	88116201	88116400	*	1.36E-119	1.32E-118	-0.19325	chr16_881	sig	hypo
chr16	88116601	88116800	*	1.57E-77	9.58E-77	-0.20254	chr16_881	sig	hypo
chr16	88118401	88118600	*	6.81E-39	2.49E-38	-0.11678	chr16_881	sig	hypo
chr16	88129201	88129400	*	5.07E-33	1.67E-32	-0.17112	chr16_881	sig	hypo
chr16	88133201	88133400	*	5.09E-144	6.39E-143	-0.17211	chr16_881	sig	hypo
chr16	88134601	88134800	*	1.31E-65	6.94E-65	-0.17756	chr16_881	sig	hypo
chr16	88184601	88184800	*	1.40E-16	3.10E-16	-0.10239	chr16_881	sig	hypo
chr16	88186601	88186800	*	9.36E-61	4.67E-60	0.138587	chr16_881	sig	hyper
chr16	88203001	88203200	*	2.10E-18	4.91E-18	-0.16273	chr16_882	sig	hypo
chr16	88205201	88205400	*	1.09E-30	3.45E-30	-0.1006	chr16_882	sig	hypo
chr16	88227801	88228000	*	4.09E-48	1.73E-47	-0.11917	chr16_882	sig	hypo
chr16	88263201	88263400	*	1.47E-45	5.98E-45	-0.11786	chr16_882	sig	hypo
chr16	88263401	88263600	*	5.77E-32	1.87E-31	-0.15567	chr16_882	sig	hypo
chr16	88267201	88267400	*	1.37E-23	3.67E-23	-0.11002	chr16_882	sig	hypo
chr16	88297201	88297400	*	7.89E-73	4.57E-72	-0.18094	chr16_882	sig	hypo
chr16	88316001	88316200	*	3.25E-177	5.63E-176	-0.20986	chr16_883	sig	hypo
chr16	88316201	88316400	*	7.38E-188	1.42E-186	-0.23414	chr16_883	sig	hypo
chr16	88327801	88328000	*	1.10E-48	4.70E-48	-0.12935	chr16_883	sig	hypo
chr16	88328401	88328600	*	1.50E-78	9.29E-78	-0.11441	chr16_883	sig	hypo
chr16	88375601	88375800	*	7.74E-201	1.69E-199	-0.27719	chr16_883	sig	hypo
chr16	88378401	88378600	*	1.51E-25	4.24E-25	-0.10095	chr16_883	sig	hypo
chr16	88393201	88393400	*	9.92E-146	1.27E-144	-0.16969	chr16_883	sig	hypo
chr16	88394401	88394600	*	4.28E-49	1.83E-48	-0.15261	chr16_883	sig	hypo
chr16	88404201	88404400	*	1.61E-169	2.61E-168	-0.20383	chr16_884	sig	hypo
chr16	88406401	88406600	*	1.05E-51	4.66E-51	-0.16297	chr16_884	sig	hypo
chr16	88409601	88409800	*	3.10E-204	7.04E-203	-0.33477	chr16_884	sig	hypo
chr16	88410201	88410400	*	1.38E-95	1.03E-94	-0.15184	chr16_884	sig	hypo
chr16	88412801	88413000	*	3.29E-49	1.41E-48	-0.15121	chr16_884	sig	hypo
chr16	88413001	88413200	*	4.31E-80	2.72E-79	-0.16471	chr16_884	sig	hypo
chr16	88414201	88414400	*	6.62E-66	3.53E-65	-0.13318	chr16_884	sig	hypo
chr16	88414401	88414600	*	7.24E-65	3.81E-64	-0.13362	chr16_884	sig	hypo
chr16	88415801	88416000	*	0	0	-0.37014	chr16_884	sig	hypo
chr16	88416201	88416400	*	3.61E-255	1.34E-253	-0.28758	chr16_884	sig	hypo
chr16	88416401	88416600	*	2.25E-89	1.57E-88	-0.21152	chr16_884	sig	hypo
chr16	88427201	88427400	*	2.38E-52	1.06E-51	-0.11198	chr16_884	sig	hypo
chr16	88430801	88431000	*	2.14E-44	8.53E-44	0.131103	chr16_884	sig	hyper
chr16	88432001	88432200	*	1.24E-21	3.14E-21	-0.10039	chr16_884	sig	hypo
chr16	88446201	88446400	*	4.63E-99	3.60E-98	-0.17424	chr16_884	sig	hypo
chr16	88508801	88509000	*	3.77E-49	1.62E-48	-0.10197	chr16_885	sig	hypo
chr16	88509001	88509200	*	3.60E-32	1.17E-31	-0.10869	chr16_885	sig	hypo
chr16	88535001	88535200	*	3.71E-30	1.15E-29	0.143309	chr16_885	sig	hyper
chr16	88617401	88617600	*	3.54E-35	1.21E-34	-0.10963	chr16_886	sig	hypo
chr16	88678401	88678600	*	1.45E-26	4.18E-26	0.115013	chr16_886	sig	hyper
chr16	88691001	88691200	*	5.33E-148	7.00E-147	-0.24299	chr16_886	sig	hypo
chr16	88691201	88691400	*	1.22E-198	2.59E-197	-0.25459	chr16_886	sig	hypo
chr16	88700801	88701000	*	2.68E-21	6.73E-21	0.10845	chr16_887	sig	hyper
chr16	88816601	88816800	*	7.47E-177	1.29E-175	-0.21643	chr16_888	sig	hypo
chr16	88816801	88817000	*	1.09E-87	7.43E-87	-0.15156	chr16_888	sig	hypo
chr16	88818401	88818600	*	1.30E-93	9.47E-93	-0.24575	chr16_888	sig	hypo
chr16	88818601	88818800	*	2.00E-252	7.26E-251	-0.17344	chr16_888	sig	hypo
chr16	88832401	88832600	*	8.62E-58	4.15E-57	-0.12926	chr16_888	sig	hypo
chr16	88842001	88842200	*	9.65E-122	9.62E-121	-0.15478	chr16_888	sig	hypo
chr16	88866801	88867000	*	7.14E-50	3.10E-49	-0.13474	chr16_888	sig	hypo
chr16	88874601	88874800	*	3.74E-33	1.24E-32	-0.10888	chr16_888	sig	hypo
chr16	88874801	88875000	*	6.43E-47	2.67E-46	-0.13467	chr16_888	sig	hypo

chr16	88919201	88919400	*	2.92E-99	2.27E-98	-0.1975	chr16_889	sig	hypo
chr16	88927801	88928000	*	7.97E-49	3.40E-48	-0.10762	chr16_889	sig	hypo
chr16	88937201	88937400	*	5.98E-58	2.88E-57	-0.17812	chr16_889	sig	hypo
chr16	88938401	88938600	*	0	0	-0.34744	chr16_889	sig	hypo
chr16	88939401	88939600	*	1.51E-117	1.43E-116	-0.1533	chr16_889	sig	hypo
chr16	88953601	88953800	*	6.48E-27	1.88E-26	-0.10658	chr16_889	sig	hypo
chr16	88967201	88967400	*	6.21E-29	1.88E-28	-0.10015	chr16_889	sig	hypo
chr16	88967401	88967600	*	1.87E-28	5.59E-28	-0.13102	chr16_889	sig	hypo
chr16	88971801	88972000	*	1.94E-91	1.38E-90	-0.1385	chr16_889	sig	hypo
chr16	88975601	88975800	*	5.03E-109	4.35E-108	-0.18533	chr16_889	sig	hypo
chr16	88982201	88982400	*	5.67E-31	1.80E-30	-0.13378	chr16_889	sig	hypo
chr16	89041201	89041400	*	4.66E-24	1.26E-23	-0.11223	chr16_890	sig	hypo
chr16	89052601	89052800	*	6.73E-129	7.24E-128	-0.26434	chr16_890	sig	hypo
chr16	89053201	89053400	*	6.31E-64	3.27E-63	-0.10969	chr16_890	sig	hypo
chr16	89056001	89056200	*	6.14E-126	6.40E-125	-0.2144	chr16_890	sig	hypo
chr16	89085001	89085200	*	2.17E-176	3.74E-175	-0.22393	chr16_890	sig	hypo
chr16	89090201	89090400	*	3.50E-49	1.50E-48	-0.11821	chr16_890	sig	hypo
chr16	89102001	89102200	*	1.53E-35	5.28E-35	0.114756	chr16_891	sig	hyper
chr16	89103201	89103400	*	1.43E-31	4.58E-31	-0.11532	chr16_891	sig	hypo
chr16	89103401	89103600	*	1.83E-33	6.08E-33	-0.1089	chr16_891	sig	hypo
chr16	89154001	89154200	*	7.70E-133	8.62E-132	-0.19947	chr16_891	sig	hypo
chr16	89154201	89154400	*	7.60E-110	6.63E-109	-0.21156	chr16_891	sig	hypo
chr16	89159601	89159800	*	1.42E-55	6.66E-55	0.134621	chr16_891	sig	hyper
chr16	89179201	89179400	*	1.60E-97	1.22E-96	-0.13035	chr16_891	sig	hypo
chr16	89188201	89188400	*	3.48E-66	1.86E-65	-0.12645	chr16_891	sig	hypo
chr16	89188601	89188800	*	3.77E-40	1.41E-39	-0.11826	chr16_891	sig	hypo
chr16	89201601	89201800	*	1.44E-87	9.82E-87	0.127325	chr16_892	sig	hyper
chr16	89202201	89202400	*	3.56E-228	1.02E-226	0.221719	chr16_892	sig	hyper
chr16	89202401	89202600	*	0	0	0.252685	chr16_892	sig	hyper
chr16	89248001	89248200	*	0	0	0.320741	chr16_892	sig	hyper
chr16	89343801	89344000	*	9.95E-77	6.05E-76	-0.12176	chr16_893	sig	hypo
chr16	89383601	89383800	*	7.28E-124	7.43E-123	-0.17578	chr16_893	sig	hypo
chr16	89562201	89562400	*	4.98E-41	1.89E-40	-0.10383	chr16_895	sig	hypo
chr16	89568201	89568400	*	2.29E-33	7.61E-33	-0.11464	chr16_895	sig	hypo
chr16	89608001	89608200	*	1.11E-92	8.01E-92	-0.14699	chr16_896	sig	hypo
chr16	89608201	89608400	*	2.74E-20	6.72E-20	-0.10782	chr16_896	sig	hypo
chr16	89620401	89620600	*	4.37E-46	1.79E-45	0.121546	chr16_896	sig	hyper
chr16	89621601	89621800	*	5.07E-65	2.67E-64	0.148354	chr16_896	sig	hyper
chr16	89621801	89622000	*	3.54E-126	3.70E-125	0.112193	chr16_896	sig	hyper
chr16	89694601	89694800	*	3.25E-121	3.22E-120	-0.12273	chr16_896	sig	hypo
chr16	89752601	89752800	*	1.95E-23	5.20E-23	-0.15511	chr16_897	sig	hypo
chr16	89759801	89760000	*	7.67E-45	3.08E-44	-0.10301	chr16_897	sig	hypo
chr16	89817601	89817800	*	0	0	-0.30188	chr16_898	sig	hypo
chr16	89822201	89822400	*	1.54E-34	5.22E-34	-0.13372	chr16_898	sig	hypo
chr16	89834201	89834400	*	1.35E-149	1.80E-148	-0.16659	chr16_898	sig	hypo
chr16	89847401	89847600	*	4.13E-30	1.28E-29	-0.10307	chr16_898	sig	hypo
chr16	89915801	89916000	*	9.26E-50	4.01E-49	-0.15573	chr16_899	sig	hypo
chr16	89916001	89916200	*	0	0	-0.29222	chr16_899	sig	hypo
chr16	89916201	89916400	*	9.72E-258	3.69E-256	-0.32727	chr16_899	sig	hypo
chr16	89972001	89972200	*	3.43E-162	5.14E-161	0.204511	chr16_899	sig	hyper
chr17	203001	203200	*	4.49E-91	3.19E-90	-0.18025	chr17_203	sig	hypo
chr17	207201	207400	*	7.64E-110	6.65E-109	-0.10752	chr17_207	sig	hypo
chr17	266801	267000	*	1.36E-23	3.64E-23	0.103345	chr17_266	sig	hyper
chr17	334201	334400	*	1.31E-87	8.95E-87	0.151185	chr17_334	sig	hyper
chr17	442201	442400	*	8.17E-71	4.63E-70	-0.13076	chr17_442	sig	hypo
chr17	797401	797600	*	2.34E-52	1.04E-51	-0.15836	chr17_797	sig	hypo

chr17	803801	804000	*	7.44E-64	3.85E-63	-0.19013	chr17_803	sig	hypo
chr17	807201	807400	*	8.46E-32	2.72E-31	-0.12347	chr17_807	sig	hypo
chr17	807601	807800	*	6.85E-55	3.18E-54	-0.10743	chr17_807	sig	hypo
chr17	843801	844000	*	4.62E-26	1.31E-25	-0.14138	chr17_843	sig	hypo
chr17	847401	847600	*	1.62E-83	1.06E-82	-0.17686	chr17_847	sig	hypo
chr17	848001	848200	*	5.26E-25	1.46E-24	-0.14822	chr17_848	sig	hypo
chr17	948601	948800	*	1.24E-88	8.58E-88	-0.19065	chr17_948	sig	hypo
chr17	969401	969600	*	5.52E-64	2.87E-63	-0.19718	chr17_969	sig	hypo
chr17	1005401	1005600	*	4.10E-47	1.71E-46	-0.13863	chr17_100	sig	hypo
chr17	1040001	1040200	*	5.51E-101	4.38E-100	-0.17909	chr17_104	sig	hypo
chr17	1137601	1137800	*	8.13E-33	2.67E-32	-0.11299	chr17_113	sig	hypo
chr17	1173801	1174000	*	1.01E-29	3.12E-29	-0.12351	chr17_117	sig	hypo
chr17	1186801	1187000	*	3.46E-42	1.33E-41	0.105211	chr17_118	sig	hyper
chr17	1187001	1187200	*	2.96E-60	1.47E-59	0.104308	chr17_118	sig	hyper
chr17	1203801	1204000	*	1.03E-134	1.18E-133	0.304513	chr17_120	sig	hyper
chr17	1569601	1569800	*	2.10E-31	6.70E-31	-0.10203	chr17_156	sig	hypo
chr17	1618001	1618200	*	3.12E-61	1.56E-60	-0.10027	chr17_161	sig	hypo
chr17	1907001	1907200	*	1.35E-57	6.48E-57	-0.19955	chr17_190	sig	hypo
chr17	1907201	1907400	*	4.42E-84	2.92E-83	-0.18331	chr17_190	sig	hypo
chr17	1977601	1977800	*	1.34E-55	6.27E-55	0.139821	chr17_197	sig	hyper
chr17	1977801	1978000	*	4.43E-29	1.34E-28	0.105726	chr17_197	sig	hyper
chr17	2029601	2029800	*	5.78E-22	1.48E-21	-0.12734	chr17_202	sig	hypo
chr17	2056201	2056400	*	7.41E-44	2.94E-43	0.15693	chr17_205	sig	hyper
chr17	2057801	2058000	*	2.96E-136	3.43E-135	0.256748	chr17_205	sig	hyper
chr17	2058201	2058400	*	1.36E-70	7.71E-70	0.144718	chr17_205	sig	hyper
chr17	3386201	3386400	*	5.82E-29	1.76E-28	0.107021	chr17_338	sig	hyper
chr17	3530001	3530200	*	7.25E-66	3.87E-65	-0.17861	chr17_353	sig	hypo
chr17	3901601	3901800	*	3.08E-81	1.97E-80	-0.1638	chr17_390	sig	hypo
chr17	3901801	3902000	*	4.26E-100	3.35E-99	-0.16304	chr17_390	sig	hypo
chr17	3960601	3960800	*	5.36E-57	2.55E-56	-0.20113	chr17_396	sig	hypo
chr17	4003401	4003600	*	1.53E-41	5.86E-41	-0.11844	chr17_400	sig	hypo
chr17	4656601	4656800	*	4.32E-24	1.17E-23	0.118601	chr17_465	sig	hyper
chr17	4709201	4709400	*	3.20E-32	1.04E-31	-0.12413	chr17_470	sig	hypo
chr17	4745201	4745400	*	8.98E-25	2.48E-24	0.130107	chr17_474	sig	hyper
chr17	4785201	4785400	*	1.38E-112	1.24E-111	0.232507	chr17_478	sig	hyper
chr17	4785801	4786000	*	2.45E-174	4.15E-173	0.278844	chr17_478	sig	hyper
chr17	4786401	4786600	*	1.04E-49	4.48E-49	0.111356	chr17_478	sig	hyper
chr17	4900801	4901000	*	2.22E-20	5.46E-20	0.116014	chr17_490	sig	hyper
chr17	5097401	5097600	*	5.18E-165	7.99E-164	0.298119	chr17_509	sig	hyper
chr17	5097601	5097800	*	1.41E-251	5.04E-250	0.34217	chr17_509	sig	hyper
chr17	5116401	5116600	*	3.76E-79	2.35E-78	0.134984	chr17_511	sig	hyper
chr17	5499801	5500000	*	2.89E-25	8.07E-25	0.103312	chr17_549	sig	hyper
chr17	5500001	5500200	*	1.34E-49	5.80E-49	0.219683	chr17_550	sig	hyper
chr17	6552001	6552200	*	1.70E-17	3.85E-17	-0.12414	chr17_655	sig	hypo
chr17	6655401	6655600	*	8.78E-113	7.92E-112	0.228416	chr17_665	sig	hyper
chr17	6655601	6655800	*	2.02E-84	1.34E-83	0.216705	chr17_665	sig	hyper
chr17	6714201	6714400	*	2.59E-101	2.07E-100	0.22336	chr17_671	sig	hyper
chr17	6995801	6996000	*	1.76E-83	1.16E-82	0.139704	chr17_699	sig	hyper
chr17	7180001	7180200	*	1.36E-42	5.30E-42	-0.14768	chr17_718	sig	hypo
chr17	7294001	7294200	*	2.35E-62	1.20E-61	-0.10119	chr17_729	sig	hypo
chr17	7383801	7384000	*	2.62E-115	2.44E-114	0.166749	chr17_738	sig	hyper
chr17	7420201	7420400	*	3.42E-68	1.88E-67	-0.14781	chr17_742	sig	hypo
chr17	7425201	7425400	*	1.74E-80	1.10E-79	-0.1836	chr17_742	sig	hypo
chr17	7651201	7651400	*	1.09E-32	3.57E-32	0.10755	chr17_765	sig	hyper
chr17	7739801	7740000	*	1.61E-62	8.21E-62	-0.26301	chr17_773	sig	hypo
chr17	7740401	7740600	*	2.74E-87	1.86E-86	-0.30002	chr17_774	sig	hypo

chr17	7740601	7740800	*	1.52E-50	6.62E-50	-0.25359	chr17_774	sig	hypo
chr17	7740801	7741000	*	1.75E-77	1.07E-76	-0.27242	chr17_774	sig	hypo
chr17	7929801	7930000	*	6.32E-24	1.71E-23	0.103024	chr17_792	sig	hyper
chr17	8006401	8006600	*	1.40E-47	5.87E-47	-0.11175	chr17_800	sig	hypo
chr17	8057001	8057200	*	1.04E-129	1.12E-128	-0.28752	chr17_805	sig	hypo
chr17	8073001	8073200	*	7.42E-35	2.53E-34	0.130946	chr17_807	sig	hyper
chr17	8073201	8073400	*	3.17E-26	9.04E-26	0.125224	chr17_807	sig	hyper
chr17	8326801	8327000	*	3.32E-137	3.90E-136	0.163532	chr17_832	sig	hyper
chr17	8327401	8327600	*	1.89E-56	8.92E-56	0.199061	chr17_832	sig	hyper
chr17	8347201	8347400	*	5.84E-58	2.82E-57	0.231903	chr17_834	sig	hyper
chr17	8397801	8398000	*	3.94E-41	1.50E-40	-0.12804	chr17_839	sig	hypo
chr17	8408201	8408400	*	4.21E-117	3.99E-116	-0.22303	chr17_840	sig	hypo
chr17	8965201	8965400	*	1.54E-148	2.03E-147	0.275109	chr17_896	sig	hyper
chr17	9002801	9003000	*	4.44E-76	2.67E-75	0.149082	chr17_900	sig	hyper
chr17	9003801	9004000	*	5.73E-221	1.51E-219	0.166777	chr17_900	sig	hyper
chr17	9024601	9024800	*	2.46E-58	1.19E-57	0.127853	chr17_902	sig	hyper
chr17	9226601	9226800	*	6.63E-93	4.80E-92	-0.16646	chr17_922	sig	hypo
chr17	9918001	9918200	*	1.08E-40	4.07E-40	-0.10675	chr17_991	sig	hypo
chr17	10197801	10198000	*	6.59E-99	5.10E-98	0.226992	chr17_101	sig	hyper
chr17	14295001	14295200	*	3.63E-33	1.20E-32	0.123074	chr17_142	sig	hyper
chr17	14298401	14298600	*	1.36E-115	1.27E-114	0.224685	chr17_142	sig	hyper
chr17	14299801	14300000	*	1.58E-64	8.27E-64	0.140627	chr17_142	sig	hyper
chr17	14303601	14303800	*	2.30E-85	1.54E-84	0.176654	chr17_143	sig	hyper
chr17	14304201	14304400	*	4.14E-61	2.07E-60	0.187507	chr17_143	sig	hyper
chr17	14310401	14310600	*	5.29E-23	1.39E-22	0.137882	chr17_143	sig	hyper
chr17	15917601	15917800	*	4.39E-100	3.45E-99	0.314115	chr17_159	sig	hyper
chr17	15918001	15918200	*	1.37E-33	4.57E-33	0.14413	chr17_159	sig	hyper
chr17	16379001	16379200	*	5.48E-144	6.86E-143	-0.21889	chr17_163	sig	hypo
chr17	16683401	16683600	*	6.57E-171	1.08E-169	0.263043	chr17_166	sig	hyper
chr17	16683601	16683800	*	1.82E-94	1.34E-93	0.198503	chr17_166	sig	hyper
chr17	16683801	16684000	*	2.12E-116	1.99E-115	0.146023	chr17_166	sig	hyper
chr17	16690201	16690400	*	2.06E-155	2.89E-154	0.209103	chr17_166	sig	hyper
chr17	16745601	16745800	*	1.75E-98	1.35E-97	-0.15543	chr17_167	sig	hypo
chr17	16935001	16935200	*	1.58E-38	5.75E-38	-0.13283	chr17_169	sig	hypo
chr17	17352201	17352400	*	4.31E-159	6.26E-158	-0.26053	chr17_173	sig	hypo
chr17	17561801	17562000	*	0	0	-0.33264	chr17_175	sig	hypo
chr17	17676001	17676200	*	1.86E-21	4.69E-21	-0.13091	chr17_176	sig	hypo
chr17	18634601	18634800	*	1.00E-227	2.85E-226	0.237133	chr17_186	sig	hyper
chr17	18635201	18635400	*	4.01E-54	1.84E-53	0.123963	chr17_186	sig	hyper
chr17	18636401	18636600	*	1.12E-63	5.81E-63	-0.15373	chr17_186	sig	hypo
chr17	19580201	19580400	*	1.04E-118	1.00E-117	0.146906	chr17_195	sig	hyper
chr17	19724401	19724600	*	1.04E-25	2.94E-25	-0.10554	chr17_197	sig	hypo
chr17	19745601	19745800	*	3.80E-68	2.09E-67	-0.11711	chr17_197	sig	hypo
chr17	19748801	19749000	*	3.47E-20	8.49E-20	-0.10768	chr17_197	sig	hypo
chr17	19978201	19978400	*	2.78E-108	2.39E-107	0.243826	chr17_199	sig	hyper
chr17	20907801	20908000	*	1.29E-40	4.86E-40	-0.16852	chr17_209	sig	hypo
chr17	21289001	21289200	*	1.01E-17	2.30E-17	-0.10021	chr17_212	sig	hypo
chr17	21378001	21378200	*	1.23E-232	3.69E-231	0.208485	chr17_213	sig	hyper
chr17	21397401	21397600	*	2.25E-52	1.01E-51	0.120483	chr17_213	sig	hyper
chr17	21452601	21452800	*	8.73E-251	3.11E-249	0.202477	chr17_214	sig	hyper
chr17	21452801	21453000	*	3.64E-83	2.38E-82	0.124381	chr17_214	sig	hyper
chr17	21464001	21464200	*	4.74E-98	3.64E-97	0.189584	chr17_214	sig	hyper
chr17	21737201	21737400	*	4.15E-45	1.67E-44	-0.12447	chr17_217	sig	hypo
chr17	27800401	27800600	*	4.99E-29	1.51E-28	-0.11362	chr17_278	sig	hypo
chr17	28711801	28712000	*	9.56E-25	2.64E-24	0.103351	chr17_287	sig	hyper
chr17	28717201	28717400	*	8.23E-91	5.83E-90	0.200679	chr17_287	sig	hyper

chr17	28717601	28717800	*	2.14E-140	2.58E-139	0.240194	chr17_287	sig	hyper
chr17	30559001	30559200	*	9.49E-111	8.36E-110	-0.23319	chr17_305	sig	hypo
chr17	32486001	32486200	*	2.83E-53	1.28E-52	-0.14728	chr17_324	sig	hypo
chr17	32494601	32494800	*	8.30E-69	4.60E-68	-0.10281	chr17_324	sig	hypo
chr17	32519001	32519200	*	4.21E-42	1.62E-41	0.143977	chr17_325	sig	hyper
chr17	34156601	34156800	*	6.22E-104	5.10E-103	0.186833	chr17_341	sig	hyper
chr17	34156801	34157000	*	4.35E-195	8.95E-194	0.248293	chr17_341	sig	hyper
chr17	34157001	34157200	*	7.44E-291	3.80E-289	0.254678	chr17_341	sig	hyper
chr17	34579201	34579400	*	7.92E-128	8.42E-127	0.114556	chr17_345	sig	hyper
chr17	35119201	35119400	*	6.47E-35	2.21E-34	0.186189	chr17_351	sig	hyper
chr17	35345801	35346000	*	2.86E-86	1.93E-85	0.145047	chr17_353	sig	hyper
chr17	35374201	35374400	*	3.62E-201	7.91E-200	0.194622	chr17_353	sig	hyper
chr17	35448201	35448400	*	4.25E-161	6.28E-160	0.154921	chr17_354	sig	hyper
chr17	35448401	35448600	*	2.40E-137	2.81E-136	0.171032	chr17_354	sig	hyper
chr17	35448601	35448800	*	1.70E-304	9.87E-303	0.265796	chr17_354	sig	hyper
chr17	35487201	35487400	*	2.07E-120	2.03E-119	0.114045	chr17_354	sig	hyper
chr17	35487401	35487600	*	4.05E-119	3.93E-118	0.129893	chr17_354	sig	hyper
chr17	35487601	35487800	*	8.54E-85	5.68E-84	0.14075	chr17_354	sig	hyper
chr17	35487801	35488000	*	1.72E-231	5.09E-230	0.229995	chr17_354	sig	hyper
chr17	35488401	35488600	*	3.07E-204	6.97E-203	0.282209	chr17_354	sig	hyper
chr17	35490001	35490200	*	9.17E-78	5.63E-77	0.183833	chr17_354	sig	hyper
chr17	35496601	35496800	*	2.09E-12	3.99E-12	0.109426	chr17_354	sig	hyper
chr17	35735201	35735400	*	6.04E-57	2.87E-56	-0.11672	chr17_357	sig	hypo
chr17	36464801	36465000	*	4.95E-192	9.91E-191	0.336283	chr17_364	sig	hyper
chr17	36884601	36884800	*	6.33E-26	1.79E-25	0.152428	chr17_368	sig	hyper
chr17	36933801	36934000	*	5.18E-40	1.93E-39	0.15934	chr17_369	sig	hyper
chr17	36939601	36939800	*	4.03E-122	4.03E-121	0.187947	chr17_369	sig	hyper
chr17	36940601	36940800	*	7.82E-67	4.21E-66	0.202726	chr17_369	sig	hyper
chr17	36946001	36946200	*	1.32E-72	7.65E-72	0.106725	chr17_369	sig	hyper
chr17	37510201	37510400	*	2.24E-52	1.00E-51	-0.1213	chr17_375	sig	hypo
chr17	37510401	37510600	*	7.48E-50	3.24E-49	-0.12136	chr17_375	sig	hypo
chr17	38421401	38421600	*	5.09E-84	3.36E-83	-0.20135	chr17_384	sig	hypo
chr17	38538601	38538800	*	4.29E-55	2.00E-54	-0.1389	chr17_385	sig	hypo
chr17	38562201	38562400	*	4.33E-85	2.89E-84	0.188777	chr17_385	sig	hyper
chr17	38563401	38563600	*	4.23E-146	5.43E-145	0.159157	chr17_385	sig	hyper
chr17	38578401	38578600	*	3.76E-135	4.32E-134	0.237609	chr17_385	sig	hyper
chr17	38841201	38841400	*	4.43E-48	1.87E-47	0.109947	chr17_388	sig	hyper
chr17	38867801	38868000	*	2.41E-24	6.57E-24	0.100587	chr17_388	sig	hyper
chr17	38924001	38924200	*	4.12E-34	1.39E-33	-0.1811	chr17_389	sig	hypo
chr17	39165201	39165400	*	1.26E-145	1.61E-144	0.32881	chr17_391	sig	hyper
chr17	39165601	39165800	*	7.45E-104	6.11E-103	0.216891	chr17_391	sig	hyper
chr17	39737401	39737600	*	9.86E-19	2.32E-18	-0.10343	chr17_397	sig	hypo
chr17	39867601	39867800	*	1.14E-23	3.06E-23	0.117915	chr17_398	sig	hyper
chr17	39868001	39868200	*	5.14E-63	2.64E-62	0.308848	chr17_398	sig	hyper
chr17	39928001	39928200	*	4.25E-36	1.48E-35	-0.11787	chr17_399	sig	hypo
chr17	40026201	40026400	*	1.57E-56	7.41E-56	-0.20038	chr17_400	sig	hypo
chr17	40191201	40191400	*	1.21E-49	5.21E-49	0.131702	chr17_401	sig	hyper
chr17	40191401	40191600	*	3.44E-25	9.58E-25	0.109772	chr17_401	sig	hyper
chr17	40364401	40364600	*	5.88E-24	1.59E-23	0.101701	chr17_403	sig	hyper
chr17	40779601	40779800	*	3.60E-204	8.15E-203	0.176199	chr17_407	sig	hyper
chr17	40779801	40780000	*	1.90E-52	8.50E-52	0.156086	chr17_407	sig	hyper
chr17	40937401	40937600	*	3.47E-36	1.21E-35	-0.12715	chr17_409	sig	hypo
chr17	41523801	41524000	*	9.21E-22	2.34E-21	0.11371	chr17_415	sig	hyper
chr17	41583601	41583800	*	1.19E-216	3.00E-215	-0.30694	chr17_415	sig	hypo
chr17	41635401	41635600	*	9.93E-94	7.25E-93	-0.21328	chr17_416	sig	hypo
chr17	42122401	42122600	*	1.46E-23	3.90E-23	-0.10825	chr17_421	sig	hypo

chr17	42123001	42123200	*	2.27E-58	1.10E-57	-0.12766	chr17_421	sig	hypo
chr17	42563201	42563400	*	2.24E-88	1.55E-87	-0.14743	chr17_425	sig	hypo
chr17	42670401	42670600	*	5.13E-217	1.30E-215	0.203362	chr17_426	sig	hyper
chr17	42685001	42685200	*	3.90E-236	1.20E-234	0.27276	chr17_426	sig	hyper
chr17	42685201	42685400	*	6.95E-202	1.54E-200	0.140639	chr17_426	sig	hyper
chr17	42686801	42687000	*	6.50E-299	3.52E-297	0.151022	chr17_426	sig	hyper
chr17	42687001	42687200	*	2.04E-52	9.12E-52	0.143318	chr17_426	sig	hyper
chr17	42785201	42785400	*	3.14E-37	1.12E-36	0.113344	chr17_427	sig	hyper
chr17	42851201	42851400	*	1.84E-31	5.89E-31	-0.12368	chr17_428	sig	hypo
chr17	42979401	42979600	*	7.17E-46	2.93E-45	-0.24534	chr17_429	sig	hypo
chr17	43028401	43028600	*	4.41E-33	1.46E-32	-0.10886	chr17_430	sig	hypo
chr17	43028601	43028800	*	4.31E-11	7.78E-11	-0.10475	chr17_430	sig	hypo
chr17	43759001	43759200	*	2.84E-107	2.40E-106	-0.18728	chr17_437	sig	hypo
chr17	43843001	43843200	*	2.11E-259	8.07E-258	-0.3982	chr17_438	sig	hypo
chr17	43846801	43847000	*	8.55E-34	2.86E-33	-0.11707	chr17_438	sig	hypo
chr17	43906601	43906800	*	1.16E-53	5.28E-53	0.149609	chr17_439	sig	hyper
chr17	44384801	44385000	*	1.30E-34	4.41E-34	0.164051	chr17_443	sig	hyper
chr17	44558001	44558200	*	4.27E-169	6.89E-168	0.20494	chr17_445	sig	hyper
chr17	44558201	44558400	*	5.65E-100	4.43E-99	0.319758	chr17_445	sig	hyper
chr17	44558401	44558600	*	1.13E-157	1.62E-156	0.179735	chr17_445	sig	hyper
chr17	44657001	44657200	*	4.83E-89	3.35E-88	0.19777	chr17_446	sig	hyper
chr17	44657201	44657400	*	5.21E-18	1.20E-17	0.127775	chr17_446	sig	hyper
chr17	44915201	44915400	*	2.07E-102	1.67E-101	-0.14742	chr17_449	sig	hypo
chr17	44967201	44967400	*	1.77E-153	2.44E-152	0.21409	chr17_449	sig	hyper
chr17	44968801	44969000	*	8.16E-28	2.41E-27	0.112059	chr17_449	sig	hyper
chr17	44969401	44969600	*	1.46E-51	6.45E-51	0.167098	chr17_449	sig	hyper
chr17	44970001	44970200	*	5.88E-52	2.61E-51	0.135026	chr17_449	sig	hyper
chr17	44988201	44988400	*	2.56E-80	1.62E-79	0.205233	chr17_449	sig	hyper
chr17	44988401	44988600	*	7.29E-117	6.89E-116	0.165	chr17_449	sig	hyper
chr17	45144801	45145000	*	6.11E-44	2.43E-43	-0.13462	chr17_451	sig	hypo
chr17	45221201	45221400	*	1.74E-36	6.11E-36	0.111449	chr17_452	sig	hyper
chr17	45261601	45261800	*	6.79E-153	9.29E-152	0.28321	chr17_452	sig	hyper
chr17	45277601	45277800	*	2.04E-89	1.42E-88	-0.1649	chr17_452	sig	hypo
chr17	45406001	45406200	*	3.37E-59	1.65E-58	-0.19059	chr17_454	sig	hypo
chr17	45429801	45430000	*	8.76E-42	3.36E-41	0.102213	chr17_454	sig	hyper
chr17	45489801	45490000	*	6.86E-09	1.12E-08	-0.12496	chr17_454	sig	hypo
chr17	45844801	45845000	*	4.42E-41	1.68E-40	-0.12256	chr17_458	sig	hypo
chr17	45897401	45897600	*	3.89E-286	1.86E-284	0.268908	chr17_458	sig	hyper
chr17	45897601	45897800	*	5.23E-70	2.94E-69	0.161814	chr17_458	sig	hyper
chr17	45901201	45901400	*	3.42E-32	1.11E-31	-0.11786	chr17_459	sig	hypo
chr17	46819401	46819600	*	3.49E-241	1.14E-239	0.145703	chr17_468	sig	hyper
chr17	46819601	46819800	*	3.29E-159	4.79E-158	0.259747	chr17_468	sig	hyper
chr17	46841801	46842000	*	6.93E-58	3.34E-57	0.121096	chr17_468	sig	hyper
chr17	46850801	46851000	*	1.44E-59	7.08E-59	0.141788	chr17_468	sig	hyper
chr17	47714401	47714600	*	8.76E-39	3.19E-38	-0.12671	chr17_477	sig	hypo
chr17	47850401	47850600	*	5.03E-19	1.19E-18	-0.12254	chr17_478	sig	hypo
chr17	48541801	48542000	*	4.15E-37	1.47E-36	0.129367	chr17_485	sig	hyper
chr17	48579201	48579400	*	2.21E-247	7.61E-246	-0.27015	chr17_485	sig	hypo
chr17	48581601	48581800	*	1.27E-62	6.51E-62	-0.24309	chr17_485	sig	hypo
chr17	48582401	48582600	*	4.83E-195	9.93E-194	-0.22143	chr17_485	sig	hypo
chr17	48582601	48582800	*	2.92E-82	1.89E-81	-0.21828	chr17_485	sig	hypo
chr17	48586401	48586600	*	4.06E-164	6.20E-163	-0.17174	chr17_485	sig	hypo
chr17	48592001	48592200	*	9.84E-30	3.03E-29	-0.11217	chr17_485	sig	hypo
chr17	48593801	48594000	*	1.31E-38	4.74E-38	-0.1569	chr17_485	sig	hypo
chr17	48594001	48594200	*	2.05E-67	1.11E-66	-0.122	chr17_485	sig	hypo
chr17	48594401	48594600	*	1.20E-26	3.46E-26	-0.1626	chr17_485	sig	hypo

chr17	48594801	48595000	*	2.05E-63	1.06E-62	-0.12685	chr17_485	sig	hypo
chr17	48596001	48596200	*	6.64E-133	7.46E-132	-0.21417	chr17_485	sig	hypo
chr17	48596401	48596600	*	1.92E-38	6.97E-38	-0.11961	chr17_485	sig	hypo
chr17	48605601	48605800	*	1.60E-153	2.21E-152	-0.29626	chr17_486	sig	hypo
chr17	48606201	48606400	*	1.40E-148	1.85E-147	-0.19716	chr17_486	sig	hypo
chr17	48606401	48606600	*	1.14E-128	1.22E-127	-0.13083	chr17_486	sig	hypo
chr17	48607201	48607400	*	1.37E-112	1.23E-111	-0.19897	chr17_486	sig	hypo
chr17	48607801	48608000	*	6.22E-77	3.79E-76	-0.11414	chr17_486	sig	hypo
chr17	48608001	48608200	*	5.69E-132	6.32E-131	-0.14672	chr17_486	sig	hypo
chr17	48614601	48614800	*	3.82E-66	2.05E-65	-0.12039	chr17_486	sig	hypo
chr17	48620201	48620400	*	8.70E-75	5.17E-74	-0.19239	chr17_486	sig	hypo
chr17	48621401	48621600	*	1.59E-280	7.18E-279	-0.33861	chr17_486	sig	hypo
chr17	48621601	48621800	*	1.02E-251	3.65E-250	-0.32905	chr17_486	sig	hypo
chr17	48623001	48623200	*	2.04E-82	1.32E-81	-0.28214	chr17_486	sig	hypo
chr17	48678201	48678400	*	3.10E-18	7.19E-18	0.114994	chr17_486	sig	hyper
chr17	48720201	48720400	*	6.22E-72	3.56E-71	0.21808	chr17_487	sig	hyper
chr17	48722001	48722200	*	3.01E-187	5.73E-186	0.290589	chr17_487	sig	hyper
chr17	48722201	48722400	*	1.69E-307	1.00E-305	0.266849	chr17_487	sig	hyper
chr17	48722401	48722600	*	2.02E-114	1.86E-113	0.216298	chr17_487	sig	hyper
chr17	48725001	48725200	*	7.69E-90	5.38E-89	0.158955	chr17_487	sig	hyper
chr17	48725401	48725600	*	9.08E-168	1.44E-166	0.20384	chr17_487	sig	hyper
chr17	48726801	48727000	*	0	0	0.26903	chr17_487	sig	hyper
chr17	48727001	48727200	*	4.65E-226	1.29E-224	0.268873	chr17_487	sig	hyper
chr17	48734001	48734200	*	4.86E-219	1.25E-217	0.22395	chr17_487	sig	hyper
chr17	48746801	48747000	*	8.83E-14	1.77E-13	0.111323	chr17_487	sig	hyper
chr17	48747601	48747800	*	7.55E-39	2.76E-38	0.154152	chr17_487	sig	hyper
chr17	48747801	48748000	*	8.18E-76	4.92E-75	0.168473	chr17_487	sig	hyper
chr17	49014801	49015000	*	2.19E-23	5.83E-23	-0.10289	chr17_490	sig	hypo
chr17	49035601	49035800	*	1.08E-88	7.44E-88	-0.2202	chr17_490	sig	hypo
chr17	49574001	49574200	*	1.24E-30	3.91E-30	-0.12095	chr17_495	sig	hypo
chr17	49910601	49910800	*	3.43E-21	8.59E-21	0.101641	chr17_499	sig	hyper
chr17	49944601	49944800	*	8.74E-47	3.62E-46	-0.11217	chr17_499	sig	hypo
chr17	49963801	49964000	*	3.33E-79	2.08E-78	0.346222	chr17_499	sig	hyper
chr17	49964401	49964600	*	8.00E-92	5.73E-91	0.252447	chr17_499	sig	hyper
chr17	49964601	49964800	*	4.23E-64	2.20E-63	0.186494	chr17_499	sig	hyper
chr17	49965201	49965400	*	9.37E-110	8.16E-109	0.143805	chr17_499	sig	hyper
chr17	49965401	49965600	*	6.36E-123	6.42E-122	0.175816	chr17_499	sig	hyper
chr17	49972801	49973000	*	1.52E-57	7.29E-57	0.193521	chr17_499	sig	hyper
chr17	49973001	49973200	*	5.22E-26	1.48E-25	0.129537	chr17_499	sig	hyper
chr17	49994401	49994600	*	7.04E-90	4.93E-89	0.250355	chr17_499	sig	hyper
chr17	49994801	49995000	*	2.10E-29	6.42E-29	0.116311	chr17_499	sig	hyper
chr17	50209401	50209600	*	3.42E-24	9.31E-24	0.105021	chr17_502	sig	hyper
chr17	50468601	50468800	*	2.75E-57	1.31E-56	0.119582	chr17_504	sig	hyper
chr17	50469201	50469400	*	1.01E-48	4.29E-48	0.148704	chr17_504	sig	hyper
chr17	50531401	50531600	*	4.33E-34	1.46E-33	-0.12532	chr17_505	sig	hypo
chr17	50603001	50603200	*	1.49E-64	7.79E-64	-0.11516	chr17_506	sig	hypo
chr17	50781201	50781400	*	2.25E-96	1.70E-95	0.158144	chr17_507	sig	hyper
chr17	50781401	50781600	*	4.07E-169	6.58E-168	0.181944	chr17_507	sig	hyper
chr17	51165401	51165600	*	1.40E-24	3.85E-24	-0.11316	chr17_511	sig	hypo
chr17	52157801	52158000	*	2.05E-166	3.21E-165	0.285379	chr17_521	sig	hyper
chr17	52159001	52159200	*	1.22E-242	4.02E-241	0.306287	chr17_521	sig	hyper
chr17	52159801	52160000	*	3.31E-128	3.53E-127	0.225334	chr17_521	sig	hyper
chr17	52160001	52160200	*	6.67E-71	3.78E-70	0.168007	chr17_521	sig	hyper
chr17	52160201	52160400	*	1.38E-73	8.06E-73	0.233313	chr17_521	sig	hyper
chr17	52160401	52160600	*	8.06E-54	3.68E-53	0.172467	chr17_521	sig	hyper
chr17	56597601	56597800	*	1.06E-83	6.95E-83	0.210049	chr17_565	sig	hyper

chr17	56597801	56598000	*	4.38E-168	6.97E-167	0.193378	chr17_565	sig	hyper
chr17	57045401	57045600	*	2.13E-84	1.41E-83	0.228608	chr17_570	sig	hyper
chr17	57046201	57046400	*	4.08E-18	9.44E-18	0.135047	chr17_570	sig	hyper
chr17	57596401	57596600	*	1.22E-133	1.38E-132	-0.16246	chr17_575	sig	hypo
chr17	57868801	57869000	*	8.16E-16	1.75E-15	-0.10242	chr17_578	sig	hypo
chr17	57874601	57874800	*	9.63E-53	4.33E-52	0.155751	chr17_578	sig	hyper
chr17	57902601	57902800	*	7.68E-42	2.95E-41	-0.15287	chr17_579	sig	hypo
chr17	58157401	58157600	*	3.93E-231	1.16E-229	0.279591	chr17_581	sig	hyper
chr17	58487801	58488000	*	5.81E-26	1.65E-25	0.124677	chr17_584	sig	hyper
chr17	58666801	58667000	*	2.73E-93	1.98E-92	-0.24949	chr17_586	sig	hypo
chr17	58667001	58667200	*	1.98E-95	1.47E-94	-0.24623	chr17_586	sig	hypo
chr17	60139201	60139400	*	7.64E-89	5.30E-88	0.1661	chr17_601	sig	hyper
chr17	60141401	60141600	*	2.51E-132	2.80E-131	0.161835	chr17_601	sig	hyper
chr17	60141601	60141800	*	8.91E-36	3.09E-35	0.114879	chr17_601	sig	hyper
chr17	61456601	61456800	*	2.14E-41	8.16E-41	0.160486	chr17_614	sig	hyper
chr17	61457201	61457400	*	1.99E-30	6.23E-30	0.116415	chr17_614	sig	hyper
chr17	62138001	62138200	*	4.68E-38	1.68E-37	0.148663	chr17_621	sig	hyper
chr17	63700801	63701000	*	9.65E-34	3.23E-33	0.178101	chr17_637	sig	hyper
chr17	63882601	63882800	*	7.42E-22	1.89E-21	-0.11981	chr17_638	sig	hypo
chr17	63989801	63990000	*	8.36E-34	2.80E-33	-0.12086	chr17_639	sig	hypo
chr17	64778401	64778600	*	0	0	0.336392	chr17_647	sig	hyper
chr17	64778801	64779000	*	0	0	0.366608	chr17_647	sig	hyper
chr17	64779001	64779200	*	0	0	0.402647	chr17_647	sig	hyper
chr17	64779401	64779600	*	0	0	0.348803	chr17_647	sig	hyper
chr17	64782001	64782200	*	2.69E-35	9.23E-35	-0.10187	chr17_647	sig	hypo
chr17	65228801	65229000	*	4.14E-164	6.32E-163	-0.21716	chr17_652	sig	hypo
chr17	65537001	65537200	*	5.19E-108	4.44E-107	-0.28681	chr17_655	sig	hypo
chr17	65538201	65538400	*	1.26E-206	2.92E-205	-0.34384	chr17_655	sig	hypo
chr17	65538401	65538600	*	0	0	-0.30517	chr17_655	sig	hypo
chr17	65549401	65549600	*	6.55E-96	4.90E-95	-0.26155	chr17_655	sig	hypo
chr17	66791401	66791600	*	2.12E-17	4.80E-17	0.127313	chr17_667	sig	hyper
chr17	66952201	66952400	*	9.46E-48	3.98E-47	-0.17623	chr17_669	sig	hypo
chr17	68198401	68198600	*	1.31E-123	1.33E-122	0.190817	chr17_681	sig	hyper
chr17	68198601	68198800	*	5.71E-188	1.10E-186	0.25131	chr17_681	sig	hyper
chr17	68198801	68199000	*	4.34E-273	1.85E-271	0.214628	chr17_681	sig	hyper
chr17	72115801	72116000	*	6.69E-28	1.98E-27	0.121312	chr17_721	sig	hyper
chr17	72116601	72116800	*	7.97E-33	2.62E-32	0.146296	chr17_721	sig	hyper
chr17	74114001	74114200	*	5.78E-32	1.87E-31	0.162205	chr17_741	sig	hyper
chr17	74356801	74357000	*	7.78E-169	1.25E-167	0.173327	chr17_743	sig	hyper
chr17	74360001	74360200	*	4.64E-69	2.58E-68	-0.11086	chr17_743	sig	hypo
chr17	74671001	74671200	*	1.26E-148	1.66E-147	0.239559	chr17_746	sig	hyper
chr17	74758401	74758600	*	5.45E-38	1.96E-37	-0.14344	chr17_747	sig	hypo
chr17	75784201	75784400	*	3.08E-143	3.83E-142	-0.19325	chr17_757	sig	hypo
chr17	75828201	75828400	*	1.61E-36	5.66E-36	0.104404	chr17_758	sig	hyper
chr17	75915001	75915200	*	1.46E-107	1.24E-106	-0.12474	chr17_759	sig	hypo
chr17	76000001	76000200	*	7.37E-155	1.03E-153	-0.21387	chr17_760	sig	hypo
chr17	76000201	76000400	*	1.18E-247	4.08E-246	-0.24858	chr17_760	sig	hypo
chr17	76076801	76077000	*	2.08E-48	8.82E-48	0.116549	chr17_760	sig	hyper
chr17	76077401	76077600	*	2.53E-113	2.30E-112	0.258501	chr17_760	sig	hyper
chr17	76135401	76135600	*	5.36E-16	1.16E-15	-0.13695	chr17_761	sig	hypo
chr17	76139401	76139600	*	1.48E-80	9.40E-80	-0.19335	chr17_761	sig	hypo
chr17	76264601	76264800	*	4.24E-52	1.89E-51	-0.12128	chr17_762	sig	hypo
chr17	76279001	76279200	*	5.09E-44	2.02E-43	-0.15361	chr17_762	sig	hypo
chr17	76386801	76387000	*	3.64E-65	1.92E-64	-0.17823	chr17_763	sig	hypo
chr17	76387001	76387200	*	1.63E-113	1.48E-112	-0.16786	chr17_763	sig	hypo
chr17	76467401	76467600	*	2.66E-54	1.22E-53	-0.16402	chr17_764	sig	hypo

chr17	76498001	76498200	*	1.06E-29	3.25E-29	-0.10937	chr17_764	sig	hypo
chr17	76538401	76538600	*	3.07E-67	1.67E-66	0.148525	chr17_765	sig	hyper
chr17	76915401	76915600	*	2.73E-22	7.05E-22	-0.10515	chr17_769	sig	hypo
chr17	76917201	76917400	*	1.30E-40	4.89E-40	-0.10869	chr17_769	sig	hypo
chr17	76944201	76944400	*	2.14E-93	1.56E-92	-0.18779	chr17_769	sig	hypo
chr17	76946601	76946800	*	4.76E-49	2.04E-48	-0.15831	chr17_769	sig	hypo
chr17	76948601	76948800	*	0	0	-0.38548	chr17_769	sig	hypo
chr17	77233601	77233800	*	1.26E-179	2.22E-178	-0.25333	chr17_772	sig	hypo
chr17	77286001	77286200	*	4.92E-28	1.46E-27	-0.11597	chr17_772	sig	hypo
chr17	77320601	77320800	*	4.10E-34	1.38E-33	0.132368	chr17_773	sig	hyper
chr17	77373401	77373600	*	0	0	0.385876	chr17_773	sig	hyper
chr17	77373801	77374000	*	5.23E-198	1.10E-196	0.291422	chr17_773	sig	hyper
chr17	77507001	77507200	*	3.65E-39	1.34E-38	-0.14837	chr17_775	sig	hypo
chr17	77881601	77881800	*	2.50E-45	1.01E-44	-0.14768	chr17_778	sig	hypo
chr17	78041001	78041200	*	9.60E-180	1.70E-178	-0.25704	chr17_780	sig	hypo
chr17	78041201	78041400	*	1.58E-148	2.09E-147	-0.22674	chr17_780	sig	hypo
chr17	78106201	78106400	*	1.77E-67	9.66E-67	-0.12483	chr17_781	sig	hypo
chr17	78140801	78141000	*	0	0	-0.34328	chr17_781	sig	hypo
chr17	78170801	78171000	*	3.22E-95	2.39E-94	-0.18218	chr17_781	sig	hypo
chr17	78231201	78231400	*	1.00E-24	2.76E-24	-0.11856	chr17_782	sig	hypo
chr17	78232001	78232200	*	1.56E-185	2.90E-184	0.211518	chr17_782	sig	hyper
chr17	78232201	78232400	*	4.47E-83	2.92E-82	0.207665	chr17_782	sig	hyper
chr17	78263201	78263400	*	9.64E-30	2.97E-29	-0.11102	chr17_782	sig	hypo
chr17	78461601	78461800	*	1.87E-45	7.58E-45	-0.13595	chr17_784	sig	hypo
chr17	78468601	78468800	*	2.42E-44	9.67E-44	-0.11061	chr17_784	sig	hypo
chr17	78502601	78502800	*	6.62E-41	2.50E-40	0.108929	chr17_785	sig	hyper
chr17	78568801	78569000	*	1.25E-65	6.67E-65	-0.20012	chr17_785	sig	hypo
chr17	78592601	78592800	*	4.99E-75	2.98E-74	-0.17988	chr17_785	sig	hypo
chr17	78723401	78723600	*	4.76E-73	2.76E-72	0.140398	chr17_787	sig	hyper
chr17	78853001	78853200	*	3.99E-185	7.39E-184	-0.27772	chr17_788	sig	hypo
chr17	78901001	78901200	*	1.19E-126	1.25E-125	-0.13979	chr17_789	sig	hypo
chr17	78904601	78904800	*	6.27E-28	1.86E-27	-0.1441	chr17_789	sig	hypo
chr17	78993401	78993600	*	1.97E-143	2.45E-142	-0.19948	chr17_789	sig	hypo
chr17	78993601	78993800	*	1.34E-201	2.96E-200	-0.13817	chr17_789	sig	hypo
chr17	78993801	78994000	*	1.46E-145	1.86E-144	-0.11971	chr17_789	sig	hypo
chr17	78997401	78997600	*	3.80E-119	3.69E-118	-0.219	chr17_789	sig	hypo
chr17	79006801	79007000	*	2.23E-137	2.62E-136	-0.22783	chr17_790	sig	hypo
chr17	79007001	79007200	*	3.25E-90	2.28E-89	-0.19942	chr17_790	sig	hypo
chr17	79048201	79048400	*	1.23E-147	1.61E-146	-0.27302	chr17_790	sig	hypo
chr17	79132401	79132600	*	6.03E-121	5.95E-120	-0.16252	chr17_791	sig	hypo
chr17	79178001	79178200	*	5.59E-71	3.18E-70	-0.16499	chr17_791	sig	hypo
chr17	79183601	79183800	*	6.83E-204	1.54E-202	0.207092	chr17_791	sig	hyper
chr17	79423201	79423400	*	7.27E-100	5.70E-99	-0.16341	chr17_794	sig	hypo
chr17	79423401	79423600	*	8.52E-27	2.46E-26	-0.10494	chr17_794	sig	hypo
chr17	79464801	79465000	*	2.42E-47	1.01E-46	-0.14138	chr17_794	sig	hypo
chr17	79465201	79465400	*	6.91E-71	3.92E-70	-0.18846	chr17_794	sig	hypo
chr17	79465401	79465600	*	9.98E-104	8.16E-103	-0.26062	chr17_794	sig	hypo
chr17	79711801	79712000	*	1.98E-76	1.20E-75	-0.22615	chr17_797	sig	hypo
chr17	79712001	79712200	*	1.17E-174	1.99E-173	-0.31437	chr17_797	sig	hypo
chr17	79731001	79731200	*	1.52E-43	5.99E-43	-0.11527	chr17_797	sig	hypo
chr17	79748601	79748800	*	2.04E-45	8.25E-45	0.159665	chr17_797	sig	hyper
chr17	79803801	79804000	*	6.20E-71	3.52E-70	0.134323	chr17_798	sig	hyper
chr17	79890201	79890400	*	1.98E-58	9.62E-58	-0.14911	chr17_798	sig	hypo
chr17	79942801	79943000	*	4.51E-48	1.90E-47	0.103377	chr17_799	sig	hyper
chr17	79943001	79943200	*	2.01E-71	1.15E-70	0.115072	chr17_799	sig	hyper
chr17	79975001	79975200	*	3.05E-35	1.05E-34	-0.10769	chr17_799	sig	hypo

chr17	79986001	79986200	*	8.82E-72	5.05E-71	-0.19527	chr17_799	sig	hypo
chr17	79990201	79990400	*	1.26E-47	5.29E-47	-0.11595	chr17_799	sig	hypo
chr17	80002801	80003000	*	3.14E-50	1.37E-49	-0.15262	chr17_800	sig	hypo
chr17	80178601	80178800	*	6.46E-108	5.51E-107	-0.23855	chr17_801	sig	hypo
chr17	80187801	80188000	*	2.96E-22	7.64E-22	-0.11706	chr17_801	sig	hypo
chr17	80196001	80196200	*	6.35E-25	1.76E-24	0.122602	chr17_801	sig	hyper
chr17	80352801	80353000	*	4.28E-143	5.33E-142	-0.22846	chr17_803	sig	hypo
chr17	80353001	80353200	*	3.22E-93	2.34E-92	-0.23267	chr17_803	sig	hypo
chr17	80413801	80414000	*	6.77E-47	2.81E-46	-0.14336	chr17_804	sig	hypo
chr17	80414001	80414200	*	9.75E-43	3.80E-42	-0.13464	chr17_804	sig	hypo
chr17	80441201	80441400	*	7.82E-51	3.43E-50	-0.14601	chr17_804	sig	hypo
chr17	80450401	80450600	*	2.44E-98	1.88E-97	-0.17671	chr17_804	sig	hypo
chr17	80465601	80465800	*	1.07E-36	3.75E-36	-0.13157	chr17_804	sig	hypo
chr17	80478201	80478400	*	2.54E-227	7.20E-226	0.220315	chr17_804	sig	hyper
chr17	80780401	80780600	*	3.06E-38	1.11E-37	0.101749	chr17_807	sig	hyper
chr17	80823001	80823200	*	7.56E-112	6.74E-111	-0.25904	chr17_808	sig	hypo
chr17	80823201	80823400	*	7.62E-118	7.28E-117	-0.28033	chr17_808	sig	hypo
chr17	80891401	80891600	*	1.41E-44	5.66E-44	0.101043	chr17_808	sig	hyper
chr17	80942001	80942200	*	3.12E-80	1.98E-79	0.123474	chr17_809	sig	hyper
chr17	81003801	81004000	*	1.35E-79	8.46E-79	-0.20167	chr17_810	sig	hypo
chr17	81031001	81031200	*	1.37E-46	5.68E-46	-0.10658	chr17_810	sig	hypo
chr17	81050201	81050400	*	2.46E-134	2.81E-133	-0.29946	chr17_810	sig	hypo
chr17	81056801	81057000	*	9.95E-18	2.27E-17	-0.12811	chr17_810	sig	hypo
chr17	81087001	81087200	*	2.21E-39	8.13E-39	-0.12885	chr17_810	sig	hypo
chr17	81124601	81124800	*	4.93E-104	4.04E-103	-0.13014	chr17_811	sig	hypo
chr17	81125801	81126000	*	7.49E-133	8.39E-132	-0.18522	chr17_811	sig	hypo
chr17	81126201	81126400	*	1.95E-85	1.30E-84	-0.18945	chr17_811	sig	hypo
chr17	81135801	81136000	*	6.06E-47	2.52E-46	-0.10999	chr17_811	sig	hypo
chr17	81148401	81148600	*	9.68E-70	5.42E-69	-0.15494	chr17_811	sig	hypo
chr17	81153401	81153600	*	1.23E-95	9.14E-95	-0.21738	chr17_811	sig	hypo
chr17	81158001	81158200	*	1.15E-66	6.19E-66	-0.12641	chr17_811	sig	hypo
chr17	81158201	81158400	*	4.70E-140	5.66E-139	-0.18582	chr17_811	sig	hypo
chr17	81161201	81161400	*	2.30E-95	1.71E-94	-0.20482	chr17_811	sig	hypo
chr17	81285201	81285400	*	1.15E-39	4.26E-39	0.105588	chr17_812	sig	hyper
chr17	81285401	81285600	*	5.09E-112	4.54E-111	0.147994	chr17_812	sig	hyper
chr17	81301401	81301600	*	2.17E-64	1.13E-63	-0.20694	chr17_813	sig	hypo
chr17	81330601	81330800	*	5.73E-45	2.31E-44	-0.13644	chr17_813	sig	hypo
chr17	81330801	81331000	*	1.90E-52	8.53E-52	-0.14019	chr17_813	sig	hypo
chr17	81380801	81381000	*	1.28E-25	3.60E-25	-0.10674	chr17_813	sig	hypo
chr17	81400401	81400600	*	2.98E-152	4.06E-151	0.143955	chr17_814	sig	hyper
chr17	81400601	81400800	*	0	0	0.287746	chr17_814	sig	hyper
chr17	81400801	81401000	*	0	0	0.363913	chr17_814	sig	hyper
chr17	81412401	81412600	*	1.08E-75	6.46E-75	-0.16966	chr17_814	sig	hypo
chr17	81445001	81445200	*	9.43E-53	4.24E-52	-0.1709	chr17_814	sig	hypo
chr17	81445601	81445800	*	1.66E-63	8.54E-63	-0.13172	chr17_814	sig	hypo
chr17	81447601	81447800	*	6.08E-21	1.52E-20	-0.10139	chr17_814	sig	hypo
chr17	81453201	81453400	*	4.02E-107	3.40E-106	-0.10492	chr17_814	sig	hypo
chr17	81461001	81461200	*	1.14E-210	2.73E-209	-0.21366	chr17_814	sig	hypo
chr17	81464001	81464200	*	1.03E-70	5.84E-70	-0.10291	chr17_814	sig	hypo
chr17	81464201	81464400	*	7.95E-36	2.76E-35	-0.11874	chr17_814	sig	hypo
chr17	81465801	81466000	*	1.76E-40	6.62E-40	-0.11858	chr17_814	sig	hypo
chr17	81475001	81475200	*	2.53E-27	7.38E-27	-0.13568	chr17_814	sig	hypo
chr17	81492401	81492600	*	5.82E-42	2.24E-41	-0.12081	chr17_814	sig	hypo
chr17	81529201	81529400	*	1.38E-174	2.34E-173	-0.21982	chr17_815	sig	hypo
chr17	81554001	81554200	*	6.68E-43	2.61E-42	-0.16946	chr17_815	sig	hypo
chr17	81685201	81685400	*	2.22E-52	9.94E-52	-0.13256	chr17_816	sig	hypo

chr17	81734401	81734600	*	7.66E-42	2.94E-41	-0.12201	chr17_817	sig	hypo
chr17	81841401	81841600	*	2.84E-194	5.78E-193	-0.26207	chr17_818	sig	hypo
chr17	81841601	81841800	*	1.76E-121	1.75E-120	-0.21205	chr17_818	sig	hypo
chr17	81858601	81858800	*	0	0	-0.24411	chr17_818	sig	hypo
chr17	81865401	81865600	*	1.14E-55	5.33E-55	-0.13813	chr17_818	sig	hypo
chr17	81869601	81869800	*	1.17E-21	2.97E-21	-0.10889	chr17_818	sig	hypo
chr17	81941401	81941600	*	0	0	-0.31511	chr17_819	sig	hypo
chr17	81941601	81941800	*	3.35E-98	2.58E-97	-0.23394	chr17_819	sig	hypo
chr17	81963201	81963400	*	1.92E-26	5.52E-26	-0.12331	chr17_819	sig	hypo
chr17	81978601	81978800	*	1.91E-61	9.59E-61	-0.16795	chr17_819	sig	hypo
chr17	82302401	82302600	*	2.04E-61	1.02E-60	-0.18596	chr17_823	sig	hypo
chr17	82309001	82309200	*	1.74E-114	1.61E-113	-0.23122	chr17_823	sig	hypo
chr17	82311001	82311200	*	3.04E-49	1.31E-48	-0.10466	chr17_823	sig	hypo
chr17	82311201	82311400	*	2.39E-113	2.17E-112	-0.29313	chr17_823	sig	hypo
chr17	82311601	82311800	*	2.43E-81	1.56E-80	-0.1253	chr17_823	sig	hypo
chr17	82315201	82315400	*	4.01E-65	2.12E-64	-0.20326	chr17_823	sig	hypo
chr17	82315401	82315600	*	2.26E-104	1.86E-103	-0.24902	chr17_823	sig	hypo
chr17	82320401	82320600	*	1.83E-32	5.98E-32	-0.1257	chr17_823	sig	hypo
chr17	82320601	82320800	*	5.48E-35	1.87E-34	-0.13765	chr17_823	sig	hypo
chr17	82321001	82321200	*	1.08E-298	5.83E-297	-0.24112	chr17_823	sig	hypo
chr17	82321401	82321600	*	3.53E-46	1.45E-45	-0.1693	chr17_823	sig	hypo
chr17	82342201	82342400	*	1.42E-239	4.55E-238	-0.28961	chr17_823	sig	hypo
chr17	82342401	82342600	*	4.12E-207	9.65E-206	-0.36017	chr17_823	sig	hypo
chr17	82342601	82342800	*	1.88E-98	1.45E-97	-0.22513	chr17_823	sig	hypo
chr17	82358801	82359000	*	1.34E-131	1.47E-130	-0.24459	chr17_823	sig	hypo
chr17	82372601	82372800	*	3.88E-40	1.45E-39	-0.12317	chr17_823	sig	hypo
chr17	82372801	82373000	*	3.68E-141	4.48E-140	-0.14976	chr17_823	sig	hypo
chr17	82389001	82389200	*	3.40E-101	2.71E-100	-0.16906	chr17_823	sig	hypo
chr17	82400801	82401000	*	5.10E-71	2.90E-70	0.129563	chr17_824	sig	hyper
chr17	82401001	82401200	*	1.82E-29	5.59E-29	0.156136	chr17_824	sig	hyper
chr17	82449401	82449600	*	7.77E-55	3.60E-54	0.164501	chr17_824	sig	hyper
chr17	82457401	82457600	*	4.06E-304	2.35E-302	-0.38658	chr17_824	sig	hypo
chr17	82591601	82591800	*	9.45E-20	2.28E-19	0.128317	chr17_825	sig	hyper
chr17	82696801	82697000	*	1.24E-34	4.22E-34	0.11979	chr17_826	sig	hyper
chr17	82710601	82710800	*	7.67E-89	5.32E-88	-0.20248	chr17_827	sig	hypo
chr17	82710801	82711000	*	3.13E-201	6.86E-200	-0.32452	chr17_827	sig	hypo
chr17	82795601	82795800	*	2.26E-59	1.11E-58	-0.16135	chr17_827	sig	hypo
chr17	82799401	82799600	*	4.21E-27	1.23E-26	0.13766	chr17_827	sig	hyper
chr17	82815001	82815200	*	1.04E-39	3.86E-39	-0.11303	chr17_828	sig	hypo
chr17	82848201	82848400	*	4.90E-21	1.23E-20	-0.11607	chr17_828	sig	hypo
chr17	82848401	82848600	*	7.23E-33	2.38E-32	-0.12764	chr17_828	sig	hypo
chr17	82858801	82859000	*	1.45E-20	3.59E-20	-0.12124	chr17_828	sig	hypo
chr17	82875601	82875800	*	6.19E-191	1.23E-189	-0.17269	chr17_828	sig	hypo
chr17	82876201	82876400	*	7.22E-190	1.42E-188	-0.22164	chr17_828	sig	hypo
chr17	82882801	82883000	*	2.90E-207	6.80E-206	-0.18399	chr17_828	sig	hypo
chr17	82883201	82883400	*	2.67E-45	1.08E-44	-0.122	chr17_828	sig	hypo
chr17	82921601	82921800	*	4.72E-149	6.26E-148	-0.21612	chr17_829	sig	hypo
chr17	82986201	82986400	*	1.04E-159	1.52E-158	-0.16834	chr17_829	sig	hypo
chr17	83014401	83014600	*	9.02E-213	2.19E-211	-0.24716	chr17_830	sig	hypo
chr17	83063401	83063600	*	0.00E+00	0.00E+00	-0.29539	chr17_830	sig	hypo
chr17	83063801	83064000	*	5.13E-72	2.95E-71	-0.17803	chr17_830	sig	hypo
chr17	83065601	83065800	*	1.07E-44	4.29E-44	-0.10762	chr17_830	sig	hypo
chr17	83075601	83075800	*	2.96E-76	1.79E-75	-0.18435	chr17_830	sig	hypo
chr17	83084801	83085000	*	9.20E-116	8.60E-115	-0.22031	chr17_830	sig	hypo
chr17	83085001	83085200	*	1.45E-174	2.46E-173	-0.18192	chr17_830	sig	hypo
chr18	48601	48800	*	3.42E-19	8.15E-19	-0.10546	chr18_486	sig	hypo

chr18	73001	73200	*	6.83E-40	2.54E-39	0.11234	chr18_730	sig	hyper
chr18	73201	73400	*	1.78E-109	1.55E-108	0.145705	chr18_732	sig	hyper
chr18	75601	75800	*	2.24E-76	1.35E-75	0.10788	chr18_756	sig	hyper
chr18	76001	76200	*	3.02E-56	1.42E-55	0.142665	chr18_760	sig	hyper
chr18	500201	500400	*	4.82E-57	2.30E-56	0.139998	chr18_500	sig	hyper
chr18	501001	501200	*	2.18E-107	1.85E-106	0.190443	chr18_501	sig	hyper
chr18	904801	905000	*	0	0	0.377318	chr18_904	sig	hyper
chr18	905001	905200	*	1.39E-297	7.45E-296	0.311804	chr18_905	sig	hyper
chr18	909001	909200	*	3.32E-274	1.43E-272	0.325433	chr18_909	sig	hyper
chr18	3411801	3412000	*	1.15E-45	4.70E-45	-0.13993	chr18_341	sig	hypo
chr18	5196201	5196400	*	2.80E-31	8.93E-31	0.122055	chr18_519	sig	hyper
chr18	5196401	5196600	*	7.14E-51	3.13E-50	0.181623	chr18_519	sig	hyper
chr18	5543801	5544000	*	9.50E-132	1.05E-130	0.12158	chr18_554	sig	hyper
chr18	5544201	5544400	*	1.89E-110	1.65E-109	0.164464	chr18_554	sig	hyper
chr18	5894601	5894800	*	6.81E-74	3.99E-73	0.175447	chr18_589	sig	hyper
chr18	6929601	6929800	*	1.91E-288	9.45E-287	-0.37388	chr18_692	sig	hypo
chr18	7568801	7569000	*	3.43E-90	2.41E-89	0.152252	chr18_756	sig	hyper
chr18	8366801	8367000	*	3.27E-257	1.23E-255	-0.29721	chr18_836	sig	hypo
chr18	9017601	9017800	*	6.19E-27	1.79E-26	-0.13138	chr18_901	sig	hypo
chr18	9707801	9708000	*	4.07E-73	2.36E-72	0.197854	chr18_970	sig	hyper
chr18	9912801	9913000	*	5.66E-170	9.22E-169	-0.25817	chr18_991	sig	hypo
chr18	10589001	10589200	*	2.38E-169	3.85E-168	-0.25822	chr18_105	sig	hypo
chr18	11752001	11752200	*	2.21E-178	3.87E-177	0.290404	chr18_117	sig	hyper
chr18	12253801	12254000	*	4.16E-284	1.95E-282	0.252082	chr18_122	sig	hyper
chr18	12254201	12254400	*	2.04E-148	2.68E-147	0.272067	chr18_122	sig	hyper
chr18	12407001	12407200	*	7.40E-25	2.05E-24	-0.12353	chr18_124	sig	hypo
chr18	12701601	12701800	*	1.20E-89	8.42E-89	-0.2355	chr18_127	sig	hypo
chr18	12911401	12911600	*	1.62E-92	1.17E-91	0.220829	chr18_129	sig	hyper
chr18	13611401	13611600	*	1.92E-54	8.85E-54	0.163678	chr18_136	sig	hyper
chr18	13868401	13868600	*	3.48E-40	1.30E-39	0.110715	chr18_138	sig	hyper
chr18	13868601	13868800	*	5.63E-54	2.58E-53	0.15228	chr18_138	sig	hyper
chr18	14179401	14179600	*	7.18E-70	4.03E-69	0.107672	chr18_141	sig	hyper
chr18	14999801	15000000	*	5.61E-69	3.11E-68	0.144885	chr18_149	sig	hyper
chr18	21243001	21243200	*	3.26E-285	1.54E-283	0.218	chr18_212	sig	hyper
chr18	21243201	21243400	*	5.11E-130	5.56E-129	0.199121	chr18_212	sig	hyper
chr18	25349201	25349400	*	0	0	0.23452	chr18_253	sig	hyper
chr18	26550801	26551000	*	1.10E-40	4.14E-40	0.124617	chr18_265	sig	hyper
chr18	26551401	26551600	*	7.95E-58	3.83E-57	0.11675	chr18_265	sig	hyper
chr18	28177401	28177600	*	4.54E-172	7.56E-171	0.156477	chr18_281	sig	hyper
chr18	32773001	32773200	*	6.00E-21	1.50E-20	0.139782	chr18_327	sig	hyper
chr18	33440801	33441000	*	6.07E-86	4.07E-85	0.251086	chr18_334	sig	hyper
chr18	35950401	35950600	*	7.99E-31	2.53E-30	0.110812	chr18_359	sig	hyper
chr18	37259001	37259200	*	6.80E-46	2.78E-45	-0.12869	chr18_372	sig	hypo
chr18	37274201	37274400	*	9.39E-53	4.23E-52	0.145597	chr18_372	sig	hyper
chr18	37484801	37485000	*	6.56E-25	1.82E-24	0.162958	chr18_374	sig	hyper
chr18	37567201	37567400	*	0	0	0.301757	chr18_375	sig	hyper
chr18	37567401	37567600	*	1.32E-198	2.79E-197	0.27331	chr18_375	sig	hyper
chr18	45775601	45775800	*	4.67E-133	5.25E-132	0.240592	chr18_457	sig	hyper
chr18	46333601	46333800	*	1.28E-153	1.77E-152	0.11432	chr18_463	sig	hyper
chr18	46560401	46560600	*	1.58E-59	7.75E-59	-0.10869	chr18_465	sig	hypo
chr18	46757801	46758000	*	1.14E-125	1.19E-124	0.233246	chr18_467	sig	hyper
chr18	47248401	47248600	*	9.84E-228	2.80E-226	0.258361	chr18_472	sig	hyper
chr18	47248601	47248800	*	1.51E-231	4.47E-230	0.250883	chr18_472	sig	hyper
chr18	47249001	47249200	*	1.12E-143	1.40E-142	0.22771	chr18_472	sig	hyper
chr18	48408001	48408200	*	1.15E-88	7.95E-88	0.200673	chr18_484	sig	hyper
chr18	48859801	48860000	*	2.66E-141	3.24E-140	0.115859	chr18_488	sig	hyper

chr18	48860001	48860200	*	8.60E-111	7.58E-110	0.111142	chr18_488	sig	hyper
chr18	48974801	48975000	*	2.98E-35	1.02E-34	-0.14352	chr18_489	sig	hypo
chr18	48975001	48975200	*	4.19E-50	1.82E-49	-0.1405	chr18_489	sig	hypo
chr18	50298601	50298800	*	4.99E-228	1.43E-226	0.2179	chr18_502	sig	hyper
chr18	52340001	52340200	*	9.77E-75	5.80E-74	0.15031	chr18_523	sig	hyper
chr18	52342001	52342200	*	2.56E-169	4.14E-168	0.200738	chr18_523	sig	hyper
chr18	55589801	55590000	*	6.99E-191	1.39E-189	0.116074	chr18_555	sig	hyper
chr18	55590001	55590200	*	9.78E-188	1.87E-186	0.185501	chr18_555	sig	hyper
chr18	55779801	55780000	*	5.90E-136	6.84E-135	0.315403	chr18_557	sig	hyper
chr18	57352401	57352600	*	2.82E-72	1.62E-71	0.303007	chr18_573	sig	hyper
chr18	57354201	57354400	*	1.42E-74	8.42E-74	0.159337	chr18_573	sig	hyper
chr18	57428201	57428400	*	5.73E-114	5.24E-113	0.245042	chr18_574	sig	hyper
chr18	57439001	57439200	*	8.98E-132	9.94E-131	0.140643	chr18_574	sig	hyper
chr18	57441201	57441400	*	0	0	0.178054	chr18_574	sig	hyper
chr18	57441401	57441600	*	3.83E-87	2.60E-86	0.230243	chr18_574	sig	hyper
chr18	57441801	57442000	*	9.88E-95	7.29E-94	0.213529	chr18_574	sig	hyper
chr18	59265001	59265200	*	1.42E-147	1.86E-146	0.297089	chr18_592	sig	hyper
chr18	59273001	59273200	*	8.70E-290	4.42E-288	0.272114	chr18_592	sig	hyper
chr18	63476601	63476800	*	2.36E-35	8.12E-35	-0.14981	chr18_634	sig	hypo
chr18	63476801	63477000	*	1.36E-69	7.59E-69	-0.18768	chr18_634	sig	hypo
chr18	69402601	69402800	*	1.11E-119	1.08E-118	0.266077	chr18_694	sig	hyper
chr18	69402801	69403000	*	1.91E-200	4.15E-199	0.216954	chr18_694	sig	hyper
chr18	72544601	72544800	*	5.83E-90	4.09E-89	0.204224	chr18_725	sig	hyper
chr18	75205001	75205200	*	1.09E-118	1.05E-117	0.262586	chr18_752	sig	hyper
chr18	75205201	75205400	*	2.66E-127	2.82E-126	0.194596	chr18_752	sig	hyper
chr18	75455401	75455600	*	7.72E-64	4.00E-63	0.168091	chr18_754	sig	hyper
chr18	76350801	76351000	*	1.33E-78	8.27E-78	-0.20227	chr18_763	sig	hypo
chr18	76785601	76785800	*	4.78E-20	1.16E-19	-0.10259	chr18_767	sig	hypo
chr18	77133401	77133600	*	2.29E-62	1.17E-61	-0.15787	chr18_771	sig	hypo
chr18	77250001	77250200	*	8.49E-272	3.58E-270	0.169155	chr18_772	sig	hyper
chr18	77251801	77252000	*	1.52E-63	7.82E-63	0.222522	chr18_772	sig	hyper
chr18	77979401	77979600	*	5.77E-19	1.37E-18	-0.10831	chr18_779	sig	hypo
chr18	78981001	78981200	*	4.26E-253	1.56E-251	0.340433	chr18_789	sig	hyper
chr18	79426201	79426400	*	5.92E-70	3.33E-69	-0.14773	chr18_794	sig	hypo
chr18	79426401	79426600	*	3.15E-109	2.73E-108	-0.12783	chr18_794	sig	hypo
chr18	79430001	79430200	*	3.84E-206	8.87E-205	-0.23414	chr18_794	sig	hypo
chr18	79782801	79783000	*	1.53E-199	3.28E-198	-0.25802	chr18_797	sig	hypo
chr18	79785001	79785200	*	0	0	-0.34354	chr18_797	sig	hypo
chr18	79785201	79785400	*	2.58E-276	1.13E-274	-0.36436	chr18_797	sig	hypo
chr18	80033401	80033600	*	2.33E-123	2.36E-122	0.133396	chr18_800	sig	hyper
chr18	80147401	80147600	*	4.18E-46	1.71E-45	0.101858	chr18_801	sig	hyper
chr18	80246201	80246400	*	1.71E-45	6.93E-45	0.129456	chr18_802	sig	hyper
chr19	345201	345400	*	8.87E-158	1.28E-156	0.169629	chr19_345	sig	hyper
chr19	392001	392200	*	1.06E-73	6.19E-73	-0.18865	chr19_392	sig	hypo
chr19	403801	404000	*	1.05E-88	7.27E-88	-0.22572	chr19_403	sig	hypo
chr19	406201	406400	*	1.82E-45	7.39E-45	-0.1288	chr19_406	sig	hypo
chr19	437001	437200	*	4.11E-16	8.93E-16	-0.11402	chr19_437	sig	hypo
chr19	524201	524400	*	3.45E-174	5.83E-173	-0.24142	chr19_524	sig	hypo
chr19	592001	592200	*	7.30E-22	1.86E-21	-0.12791	chr19_592	sig	hypo
chr19	608801	609000	*	3.70E-29	1.13E-28	-0.13776	chr19_608	sig	hypo
chr19	617001	617200	*	3.15E-49	1.35E-48	-0.13153	chr19_617	sig	hypo
chr19	617201	617400	*	2.75E-51	1.21E-50	-0.17784	chr19_617	sig	hypo
chr19	641801	642000	*	5.84E-120	5.70E-119	-0.25333	chr19_641	sig	hypo
chr19	687001	687200	*	5.46E-110	4.77E-109	-0.22574	chr19_687	sig	hypo
chr19	695401	695600	*	3.70E-30	1.15E-29	-0.12138	chr19_695	sig	hypo
chr19	710801	711000	*	1.09E-91	7.79E-91	-0.17801	chr19_710	sig	hypo

chr19	711001	711200	*	2.28E-34	7.72E-34	-0.1729	chr19_711	sig	hypo
chr19	728001	728200	*	2.04E-133	2.31E-132	-0.24243	chr19_728	sig	hypo
chr19	731001	731200	*	1.51E-64	7.90E-64	-0.24678	chr19_731	sig	hypo
chr19	807001	807200	*	1.36E-24	3.75E-24	-0.11109	chr19_807	sig	hypo
chr19	814401	814600	*	4.00E-104	3.29E-103	-0.15762	chr19_814	sig	hypo
chr19	814801	815000	*	4.52E-86	3.04E-85	-0.20837	chr19_814	sig	hypo
chr19	815001	815200	*	1.19E-94	8.76E-94	-0.25649	chr19_815	sig	hypo
chr19	841001	841200	*	1.21E-121	1.20E-120	-0.27337	chr19_841	sig	hypo
chr19	856001	856200	*	1.98E-116	1.86E-115	-0.25648	chr19_856	sig	hypo
chr19	861801	862000	*	2.18E-195	4.50E-194	-0.22174	chr19_861	sig	hypo
chr19	863001	863200	*	2.41E-115	2.24E-114	-0.15292	chr19_863	sig	hypo
chr19	863201	863400	*	5.02E-63	2.58E-62	-0.14131	chr19_863	sig	hypo
chr19	1005001	1005200	*	1.14E-235	3.50E-234	-0.31472	chr19_100	sig	hypo
chr19	1005201	1005400	*	2.39E-91	1.70E-90	-0.10762	chr19_100	sig	hypo
chr19	1005401	1005600	*	4.43E-81	2.83E-80	-0.15658	chr19_100	sig	hypo
chr19	1009201	1009400	*	5.79E-23	1.52E-22	0.114	chr19_100	sig	hyper
chr19	1064001	1064200	*	6.30E-39	2.30E-38	-0.14733	chr19_106	sig	hypo
chr19	1064201	1064400	*	3.03E-51	1.33E-50	-0.18049	chr19_106	sig	hypo
chr19	1105601	1105800	*	4.75E-102	3.82E-101	-0.12983	chr19_110	sig	hypo
chr19	1130801	1131000	*	5.08E-96	3.80E-95	-0.13993	chr19_113	sig	hypo
chr19	1157601	1157800	*	9.70E-30	2.99E-29	-0.11862	chr19_115	sig	hypo
chr19	1231201	1231400	*	7.42E-78	4.56E-77	-0.20425	chr19_123	sig	hypo
chr19	1295601	1295800	*	5.70E-34	1.91E-33	0.108745	chr19_129	sig	hyper
chr19	1304801	1305000	*	2.35E-44	9.37E-44	-0.1396	chr19_130	sig	hypo
chr19	1351601	1351800	*	1.03E-41	3.94E-41	-0.13204	chr19_135	sig	hypo
chr19	1399001	1399200	*	3.03E-253	1.11E-251	-0.38446	chr19_139	sig	hypo
chr19	1399201	1399400	*	0	0	-0.38445	chr19_139	sig	hypo
chr19	1428801	1429000	*	1.58E-77	9.64E-77	-0.17093	chr19_142	sig	hypo
chr19	1429201	1429400	*	9.90E-46	4.03E-45	-0.10464	chr19_142	sig	hypo
chr19	1467001	1467200	*	3.09E-288	1.53E-286	0.275722	chr19_146	sig	hyper
chr19	1472801	1473000	*	1.37E-59	6.74E-59	-0.13759	chr19_147	sig	hypo
chr19	1473001	1473200	*	6.61E-119	6.40E-118	-0.15732	chr19_147	sig	hypo
chr19	1473201	1473400	*	1.47E-53	6.67E-53	-0.1926	chr19_147	sig	hypo
chr19	1496401	1496600	*	3.87E-64	2.01E-63	-0.12406	chr19_149	sig	hypo
chr19	1497401	1497600	*	6.96E-86	4.67E-85	-0.16241	chr19_149	sig	hypo
chr19	1523001	1523200	*	2.19E-19	5.25E-19	-0.1086	chr19_152	sig	hypo
chr19	1525601	1525800	*	7.65E-22	1.95E-21	-0.15563	chr19_152	sig	hypo
chr19	1526401	1526600	*	5.07E-190	9.99E-189	-0.25069	chr19_152	sig	hypo
chr19	1762401	1762600	*	1.25E-45	5.08E-45	0.14216	chr19_176	sig	hyper
chr19	1775201	1775400	*	7.81E-182	1.40E-180	0.201944	chr19_177	sig	hyper
chr19	1854801	1855000	*	9.81E-30	3.02E-29	-0.14548	chr19_185	sig	hypo
chr19	1876601	1876800	*	5.41E-58	2.61E-57	0.168664	chr19_187	sig	hyper
chr19	1908401	1908600	*	4.67E-27	1.36E-26	-0.10031	chr19_190	sig	hypo
chr19	1993001	1993200	*	1.16E-180	2.06E-179	-0.17835	chr19_199	sig	hypo
chr19	2065001	2065200	*	3.19E-123	3.23E-122	-0.15927	chr19_206	sig	hypo
chr19	2213801	2214000	*	7.67E-80	4.83E-79	0.20049	chr19_221	sig	hyper
chr19	2241001	2241200	*	6.96E-32	2.25E-31	-0.12929	chr19_224	sig	hypo
chr19	2242001	2242200	*	1.17E-20	2.91E-20	0.105019	chr19_224	sig	hyper
chr19	2251801	2252000	*	2.30E-86	1.55E-85	0.150049	chr19_225	sig	hyper
chr19	2273001	2273200	*	6.55E-37	2.31E-36	-0.13248	chr19_227	sig	hypo
chr19	2278601	2278800	*	7.16E-27	2.07E-26	-0.10106	chr19_227	sig	hypo
chr19	2290801	2291000	*	0	0	0.135206	chr19_229	sig	hyper
chr19	2303001	2303200	*	7.15E-19	1.69E-18	-0.12072	chr19_230	sig	hypo
chr19	2356401	2356600	*	1.06E-50	4.62E-50	-0.18299	chr19_235	sig	hypo
chr19	2493601	2493800	*	4.26E-26	1.21E-25	-0.14288	chr19_249	sig	hypo
chr19	2511601	2511800	*	1.05E-124	1.08E-123	-0.23404	chr19_251	sig	hypo

chr19	2513201	2513400	*	9.30E-145	1.18E-143	-0.24811	chr19_251	sig	hypo
chr19	2513401	2513600	*	9.39E-55	4.35E-54	-0.14923	chr19_251	sig	hypo
chr19	2513601	2513800	*	8.07E-96	6.03E-95	-0.17985	chr19_251	sig	hypo
chr19	2524001	2524200	*	8.33E-18	1.91E-17	-0.14328	chr19_252	sig	hypo
chr19	2546801	2547000	*	4.03E-86	2.71E-85	-0.12498	chr19_254	sig	hypo
chr19	2607801	2608000	*	4.31E-56	2.03E-55	-0.10055	chr19_260	sig	hypo
chr19	2700801	2701000	*	7.55E-42	2.90E-41	-0.13537	chr19_270	sig	hypo
chr19	2811601	2811800	*	1.16E-50	5.06E-50	-0.15964	chr19_281	sig	hypo
chr19	2867201	2867400	*	2.15E-45	8.73E-45	-0.11912	chr19_286	sig	hypo
chr19	2889201	2889400	*	5.47E-20	1.33E-19	-0.10883	chr19_288	sig	hypo
chr19	3050601	3050800	*	1.12E-32	3.66E-32	-0.12453	chr19_305	sig	hypo
chr19	3097601	3097800	*	6.39E-43	2.50E-42	0.121619	chr19_309	sig	hyper
chr19	3133401	3133600	*	4.41E-74	2.59E-73	-0.23296	chr19_313	sig	hypo
chr19	3136401	3136600	*	5.37E-57	2.56E-56	-0.11154	chr19_313	sig	hypo
chr19	3163601	3163800	*	8.90E-21	2.21E-20	0.131005	chr19_316	sig	hyper
chr19	3178601	3178800	*	9.76E-132	1.08E-130	-0.25781	chr19_317	sig	hypo
chr19	3290201	3290400	*	4.83E-26	1.37E-25	-0.16269	chr19_329	sig	hypo
chr19	3481801	3482000	*	7.67E-51	3.36E-50	-0.20437	chr19_348	sig	hypo
chr19	3482601	3482800	*	0	0	-0.41315	chr19_348	sig	hypo
chr19	3546201	3546400	*	7.32E-37	2.58E-36	-0.11138	chr19_354	sig	hypo
chr19	3603401	3603600	*	6.38E-54	2.92E-53	-0.14567	chr19_360	sig	hypo
chr19	3721201	3721400	*	3.42E-22	8.81E-22	-0.10747	chr19_372	sig	hypo
chr19	3785801	3786000	*	1.51E-298	8.17E-297	0.23592	chr19_378	sig	hyper
chr19	3786601	3786800	*	2.53E-18	5.88E-18	0.121848	chr19_378	sig	hyper
chr19	3801601	3801800	*	4.04E-105	3.36E-104	0.142208	chr19_380	sig	hyper
chr19	3821201	3821400	*	1.27E-299	6.90E-298	-0.35044	chr19_382	sig	hypo
chr19	3825601	3825800	*	3.93E-64	2.04E-63	-0.20415	chr19_382	sig	hypo
chr19	3870801	3871000	*	4.85E-30	1.51E-29	0.129784	chr19_387	sig	hyper
chr19	3879801	3880000	*	7.41E-27	2.14E-26	-0.12037	chr19_387	sig	hypo
chr19	3881201	3881400	*	7.88E-92	5.64E-91	0.20052	chr19_388	sig	hyper
chr19	3966801	3967000	*	8.75E-23	2.29E-22	-0.10249	chr19_396	sig	hypo
chr19	4054001	4054200	*	2.83E-72	1.63E-71	-0.14573	chr19_405	sig	hypo
chr19	4054201	4054400	*	1.74E-39	6.45E-39	-0.16531	chr19_405	sig	hypo
chr19	4171601	4171800	*	7.94E-26	2.24E-25	-0.17902	chr19_417	sig	hypo
chr19	4277201	4277400	*	2.81E-17	6.32E-17	-0.10574	chr19_427	sig	hypo
chr19	4303801	4304000	*	1.98E-12	3.77E-12	-0.11291	chr19_430	sig	hypo
chr19	4323001	4323200	*	1.08E-74	6.38E-74	-0.15255	chr19_432	sig	hypo
chr19	4327001	4327200	*	2.15E-16	4.71E-16	0.141601	chr19_432	sig	hyper
chr19	4327201	4327400	*	1.23E-34	4.18E-34	0.146673	chr19_432	sig	hyper
chr19	4328601	4328800	*	1.07E-44	4.28E-44	0.112797	chr19_432	sig	hyper
chr19	4328801	4329000	*	1.44E-31	4.62E-31	0.11237	chr19_432	sig	hyper
chr19	4374201	4374400	*	4.59E-24	1.24E-23	0.122558	chr19_437	sig	hyper
chr19	4523601	4523800	*	3.28E-38	1.18E-37	-0.17143	chr19_452	sig	hypo
chr19	4552401	4552600	*	6.15E-68	3.37E-67	-0.11638	chr19_455	sig	hypo
chr19	4552601	4552800	*	9.45E-51	4.14E-50	-0.13394	chr19_455	sig	hypo
chr19	4555801	4556000	*	1.41E-146	1.83E-145	-0.28528	chr19_455	sig	hypo
chr19	4556001	4556200	*	4.62E-133	5.19E-132	-0.32402	chr19_455	sig	hypo
chr19	4566401	4566600	*	6.72E-136	7.78E-135	-0.24316	chr19_456	sig	hypo
chr19	4891201	4891400	*	6.19E-99	4.80E-98	-0.15153	chr19_489	sig	hypo
chr19	4911001	4911200	*	8.52E-19	2.01E-18	-0.11508	chr19_491	sig	hypo
chr19	5245801	5246000	*	1.63E-83	1.07E-82	-0.13792	chr19_524	sig	hypo
chr19	5250401	5250600	*	5.11E-64	2.65E-63	-0.14939	chr19_525	sig	hypo
chr19	5290401	5290600	*	6.73E-69	3.73E-68	-0.14404	chr19_529	sig	hypo
chr19	5294001	5294200	*	4.55E-97	3.45E-96	0.13139	chr19_529	sig	hyper
chr19	5914601	5914800	*	1.01E-42	3.92E-42	-0.12538	chr19_591	sig	hypo
chr19	6022601	6022800	*	1.80E-20	4.44E-20	-0.12169	chr19_602	sig	hypo

chr19	6199001	6199200	*	3.22E-51	1.42E-50	0.187856	chr19_619	sig	hyper
chr19	6271801	6272000	*	2.95E-17	6.65E-17	0.106941	chr19_627	sig	hyper
chr19	6658201	6658400	*	1.90E-21	4.80E-21	-0.12273	chr19_665	sig	hypo
chr19	6659801	6660000	*	5.88E-42	2.26E-41	0.142121	chr19_665	sig	hyper
chr19	6670001	6670200	*	2.74E-37	9.76E-37	-0.13238	chr19_667	sig	hypo
chr19	6711001	6711200	*	7.19E-26	2.03E-25	-0.13425	chr19_671	sig	hypo
chr19	6712401	6712600	*	1.03E-40	3.90E-40	-0.12087	chr19_671	sig	hypo
chr19	6752401	6752600	*	9.07E-26	2.56E-25	0.125538	chr19_675	sig	hyper
chr19	7676801	7677000	*	5.68E-25	1.57E-24	-0.11303	chr19_767	sig	hypo
chr19	7682001	7682200	*	1.23E-59	6.05E-59	0.154229	chr19_768	sig	hyper
chr19	7682201	7682400	*	1.87E-21	4.72E-21	0.136834	chr19_768	sig	hyper
chr19	7873601	7873800	*	4.62E-82	2.98E-81	0.159649	chr19_787	sig	hyper
chr19	7880001	7880200	*	9.52E-152	1.29E-150	-0.36363	chr19_788	sig	hypo
chr19	7918801	7919000	*	1.59E-20	3.92E-20	-0.13208	chr19_791	sig	hypo
chr19	7924801	7925000	*	1.58E-19	3.79E-19	-0.11605	chr19_792	sig	hypo
chr19	8210001	8210200	*	1.30E-37	4.65E-37	0.227185	chr19_821	sig	hyper
chr19	8311401	8311600	*	2.28E-17	5.16E-17	-0.1131	chr19_831	sig	hypo
chr19	8592401	8592600	*	6.51E-124	6.65E-123	0.104705	chr19_859	sig	hyper
chr19	8592601	8592800	*	7.29E-78	4.48E-77	0.195983	chr19_859	sig	hyper
chr19	8698201	8698400	*	5.77E-22	1.48E-21	0.152204	chr19_869	sig	hyper
chr19	8698401	8698600	*	1.06E-31	3.40E-31	0.152119	chr19_869	sig	hyper
chr19	9362801	9363000	*	4.07E-163	6.15E-162	0.282496	chr19_936	sig	hyper
chr19	9498201	9498400	*	6.21E-99	4.81E-98	0.258287	chr19_949	sig	hyper
chr19	9498401	9498600	*	8.01E-123	8.07E-122	0.260667	chr19_949	sig	hyper
chr19	9498601	9498800	*	4.25E-162	6.36E-161	0.23555	chr19_949	sig	hyper
chr19	9970601	9970800	*	4.53E-20	1.10E-19	-0.11796	chr19_997	sig	hypo
chr19	10143801	10144000	*	1.48E-24	4.05E-24	-0.12455	chr19_101	sig	hypo
chr19	10514001	10514200	*	9.78E-116	9.14E-115	0.20399	chr19_105	sig	hyper
chr19	10963601	10963800	*	5.02E-18	1.16E-17	-0.14913	chr19_109	sig	hypo
chr19	11387201	11387400	*	5.80E-15	1.21E-14	-0.11078	chr19_113	sig	hypo
chr19	11453601	11453800	*	3.43E-89	2.38E-88	-0.16114	chr19_114	sig	hypo
chr19	11454601	11454800	*	4.77E-74	2.80E-73	-0.1058	chr19_114	sig	hypo
chr19	11674201	11674400	*	5.74E-168	9.12E-167	0.182637	chr19_116	sig	hyper
chr19	12155601	12155800	*	2.11E-48	8.95E-48	0.194158	chr19_121	sig	hyper
chr19	12156601	12156800	*	1.67E-280	7.51E-279	0.232087	chr19_121	sig	hyper
chr19	12156801	12157000	*	1.90E-223	5.14E-222	0.24475	chr19_121	sig	hyper
chr19	12194601	12194800	*	7.15E-134	8.11E-133	0.262419	chr19_121	sig	hyper
chr19	12195401	12195600	*	4.63E-161	6.86E-160	0.254009	chr19_121	sig	hyper
chr19	12195601	12195800	*	6.36E-60	3.14E-59	0.274155	chr19_121	sig	hyper
chr19	12513601	12513800	*	2.35E-94	1.73E-93	0.221078	chr19_125	sig	hyper
chr19	12513801	12514000	*	6.97E-58	3.36E-57	0.135378	chr19_125	sig	hyper
chr19	12721001	12721200	*	6.00E-157	8.56E-156	0.308327	chr19_127	sig	hyper
chr19	13013601	13013800	*	8.75E-57	4.16E-56	0.144272	chr19_130	sig	hyper
chr19	13013801	13014000	*	1.81E-147	2.37E-146	0.185922	chr19_130	sig	hyper
chr19	13014001	13014200	*	5.99E-52	2.67E-51	0.243579	chr19_130	sig	hyper
chr19	13014201	13014400	*	3.29E-144	4.14E-143	0.247616	chr19_130	sig	hyper
chr19	13014401	13014600	*	1.52E-106	1.28E-105	0.220953	chr19_130	sig	hyper
chr19	13506201	13506400	*	5.28E-60	2.61E-59	0.233608	chr19_135	sig	hyper
chr19	13877601	13877800	*	5.07E-34	1.70E-33	-0.10193	chr19_138	sig	hypo
chr19	14085601	14085800	*	1.87E-70	1.06E-69	0.18401	chr19_140	sig	hyper
chr19	14085801	14086000	*	5.03E-18	1.16E-17	0.15407	chr19_140	sig	hyper
chr19	15010601	15010800	*	4.88E-102	3.93E-101	0.260891	chr19_150	sig	hyper
chr19	15112401	15112600	*	9.04E-61	4.51E-60	-0.10305	chr19_151	sig	hypo
chr19	15181601	15181800	*	1.49E-287	7.25E-286	-0.2548	chr19_151	sig	hypo
chr19	15224001	15224200	*	1.94E-33	6.44E-33	0.161964	chr19_152	sig	hyper
chr19	15233201	15233400	*	2.05E-94	1.51E-93	0.172032	chr19_152	sig	hyper

chr19	15437001	15437200	*	4.55E-59	2.23E-58	-0.1237	chr19_154	sig	hypo
chr19	15457601	15457800	*	3.34E-108	2.86E-107	0.158719	chr19_154	sig	hyper
chr19	15471801	15472000	*	8.38E-52	3.72E-51	0.1133	chr19_154	sig	hyper
chr19	15472001	15472200	*	1.43E-33	4.76E-33	0.108577	chr19_154	sig	hyper
chr19	15479401	15479600	*	1.36E-23	3.65E-23	-0.12456	chr19_154	sig	hypo
chr19	15511801	15512000	*	4.75E-129	5.11E-128	-0.33794	chr19_155	sig	hypo
chr19	16067601	16067800	*	1.94E-126	2.03E-125	-0.15442	chr19_160	sig	hypo
chr19	16088001	16088200	*	3.02E-39	1.11E-38	-0.21131	chr19_160	sig	hypo
chr19	16283401	16283600	*	1.26E-38	4.56E-38	0.189576	chr19_162	sig	hyper
chr19	16283601	16283800	*	8.79E-170	1.43E-168	0.212365	chr19_162	sig	hyper
chr19	16283801	16284000	*	1.11E-141	1.35E-140	0.18524	chr19_162	sig	hyper
chr19	16326801	16327000	*	8.80E-45	3.53E-44	0.147607	chr19_163	sig	hyper
chr19	16327001	16327200	*	8.40E-28	2.48E-27	0.166999	chr19_163	sig	hyper
chr19	17282001	17282200	*	1.23E-180	2.18E-179	0.177635	chr19_172	sig	hyper
chr19	17282401	17282600	*	1.35E-37	4.83E-37	0.105599	chr19_172	sig	hyper
chr19	17377001	17377200	*	1.45E-64	7.59E-64	-0.13657	chr19_173	sig	hypo
chr19	17377401	17377600	*	1.27E-43	5.01E-43	-0.14081	chr19_173	sig	hypo
chr19	17377601	17377800	*	2.32E-50	1.01E-49	-0.21274	chr19_173	sig	hypo
chr19	17395001	17395200	*	3.67E-41	1.40E-40	-0.11073	chr19_173	sig	hypo
chr19	17747201	17747400	*	2.00E-42	7.76E-42	-0.15815	chr19_177	sig	hypo
chr19	17998001	17998200	*	7.15E-27	2.07E-26	-0.12394	chr19_179	sig	hypo
chr19	18007401	18007600	*	5.59E-222	1.48E-220	0.178635	chr19_180	sig	hyper
chr19	18007801	18008000	*	3.16E-117	3.00E-116	0.199634	chr19_180	sig	hyper
chr19	18008001	18008200	*	4.49E-104	3.69E-103	0.203306	chr19_180	sig	hyper
chr19	18008201	18008400	*	2.54E-223	6.87E-222	0.196666	chr19_180	sig	hyper
chr19	18220201	18220400	*	2.52E-100	1.99E-99	-0.14958	chr19_182	sig	hypo
chr19	18225401	18225600	*	1.20E-41	4.58E-41	0.206045	chr19_182	sig	hyper
chr19	18304601	18304800	*	2.79E-129	3.01E-128	-0.15442	chr19_183	sig	hypo
chr19	18305001	18305200	*	3.51E-138	4.17E-137	-0.15397	chr19_183	sig	hypo
chr19	18386401	18386600	*	8.78E-44	3.48E-43	-0.13949	chr19_183	sig	hypo
chr19	18700601	18700800	*	2.80E-40	1.05E-39	-0.1133	chr19_187	sig	hypo
chr19	18700801	18701000	*	3.28E-50	1.43E-49	-0.11685	chr19_187	sig	hypo
chr19	18762201	18762400	*	1.86E-55	8.67E-55	-0.12203	chr19_187	sig	hypo
chr19	18878001	18878200	*	6.50E-112	5.80E-111	-0.2961	chr19_188	sig	hypo
chr19	18931801	18932000	*	1.65E-107	1.40E-106	-0.29745	chr19_189	sig	hypo
chr19	19109801	19110000	*	4.20E-39	1.54E-38	-0.16213	chr19_191	sig	hypo
chr19	19121001	19121200	*	8.68E-53	3.91E-52	0.112618	chr19_191	sig	hyper
chr19	19211601	19211800	*	3.36E-42	1.30E-41	0.231502	chr19_192	sig	hyper
chr19	19261001	19261200	*	2.25E-87	1.53E-86	0.201662	chr19_192	sig	hyper
chr19	19262801	19263000	*	1.61E-23	4.29E-23	0.120894	chr19_192	sig	hyper
chr19	19514401	19514600	*	1.26E-120	1.24E-119	0.145781	chr19_195	sig	hyper
chr19	19619201	19619400	*	1.75E-62	8.90E-62	-0.12273	chr19_196	sig	hypo
chr19	19860801	19861000	*	9.11E-208	2.14E-206	0.230858	chr19_198	sig	hyper
chr19	19861001	19861200	*	4.65E-148	6.11E-147	0.240324	chr19_198	sig	hyper
chr19	19861201	19861400	*	5.67E-49	2.43E-48	0.177332	chr19_198	sig	hyper
chr19	20078201	20078400	*	8.92E-145	1.13E-143	0.214408	chr19_200	sig	hyper
chr19	20661201	20661400	*	1.90E-241	6.22E-240	0.292692	chr19_206	sig	hyper
chr19	20923401	20923600	*	1.22E-110	1.07E-109	0.150624	chr19_209	sig	hyper
chr19	21463401	21463600	*	1.13E-239	3.64E-238	0.358927	chr19_214	sig	hyper
chr19	21463601	21463800	*	3.37E-216	8.46E-215	0.355861	chr19_214	sig	hyper
chr19	21474601	21474800	*	0	0	0.417267	chr19_214	sig	hyper
chr19	21474801	21475000	*	0	0	0.400261	chr19_214	sig	hyper
chr19	21678001	21678200	*	3.04E-127	3.22E-126	0.161131	chr19_216	sig	hyper
chr19	21835801	21836000	*	1.19E-266	4.83E-265	0.183447	chr19_218	sig	hyper
chr19	21836001	21836200	*	9.89E-243	3.27E-241	0.163579	chr19_218	sig	hyper
chr19	21836201	21836400	*	4.84E-193	9.77E-192	0.158299	chr19_218	sig	hyper

chr19	21851601	21851800	*	2.50E-172	4.17E-171	0.238314	chr19_218	sig	hyper
chr19	21851801	21852000	*	8.58E-202	1.90E-200	0.220077	chr19_218	sig	hyper
chr19	21852001	21852200	*	1.04E-220	2.71E-219	0.18529	chr19_218	sig	hyper
chr19	22010401	22010600	*	2.23E-129	2.41E-128	0.264353	chr19_220	sig	hyper
chr19	22010601	22010800	*	2.79E-83	1.82E-82	0.225805	chr19_220	sig	hyper
chr19	22286401	22286600	*	4.12E-137	4.82E-136	0.282472	chr19_222	sig	hyper
chr19	22286601	22286800	*	2.63E-139	3.15E-138	0.302756	chr19_222	sig	hyper
chr19	22422201	22422400	*	2.83E-227	7.99E-226	0.226573	chr19_224	sig	hyper
chr19	22422401	22422600	*	2.59E-64	1.35E-63	0.205461	chr19_224	sig	hyper
chr19	22617801	22618000	*	1.46E-36	5.14E-36	0.146399	chr19_226	sig	hyper
chr19	22634201	22634400	*	0	0	0.337248	chr19_226	sig	hyper
chr19	22709001	22709200	*	2.24E-48	9.50E-48	0.138707	chr19_227	sig	hyper
chr19	23002601	23002800	*	9.37E-125	9.63E-124	0.325857	chr19_230	sig	hyper
chr19	23002801	23003000	*	4.28E-86	2.88E-85	0.189694	chr19_230	sig	hyper
chr19	23070401	23070600	*	0	0	0.274073	chr19_230	sig	hyper
chr19	23075201	23075400	*	9.25E-108	7.87E-107	0.215879	chr19_230	sig	hyper
chr19	23117001	23117200	*	5.98E-78	3.68E-77	0.105515	chr19_231	sig	hyper
chr19	23117201	23117400	*	3.33E-201	7.28E-200	0.168164	chr19_231	sig	hyper
chr19	23758601	23758800	*	7.95E-75	4.73E-74	0.106678	chr19_237	sig	hyper
chr19	23971801	23972000	*	8.97E-49	3.83E-48	0.182326	chr19_239	sig	hyper
chr19	28726801	28727000	*	1.37E-29	4.20E-29	0.126598	chr19_287	sig	hyper
chr19	28727001	28727200	*	2.02E-117	1.92E-116	0.282458	chr19_287	sig	hyper
chr19	28727201	28727400	*	2.36E-125	2.44E-124	0.244818	chr19_287	sig	hyper
chr19	28794001	28794200	*	4.17E-73	2.42E-72	0.216687	chr19_287	sig	hyper
chr19	29528401	29528600	*	1.11E-94	8.21E-94	0.107206	chr19_295	sig	hyper
chr19	29528601	29528800	*	2.77E-112	2.48E-111	0.114287	chr19_295	sig	hyper
chr19	29611001	29611200	*	4.72E-16	1.02E-15	0.100276	chr19_296	sig	hyper
chr19	30450801	30451000	*	4.67E-124	4.77E-123	0.211439	chr19_304	sig	hyper
chr19	30451001	30451200	*	4.70E-65	2.48E-64	0.159977	chr19_304	sig	hyper
chr19	31348601	31348800	*	1.56E-86	1.05E-85	0.18351	chr19_313	sig	hyper
chr19	31353001	31353200	*	1.55E-197	3.27E-196	0.190631	chr19_313	sig	hyper
chr19	31353201	31353400	*	2.40E-123	2.43E-122	0.191306	chr19_313	sig	hyper
chr19	32869601	32869800	*	3.07E-42	1.19E-41	-0.19386	chr19_328	sig	hypo
chr19	33621801	33622000	*	7.18E-39	2.62E-38	0.122641	chr19_336	sig	hyper
chr19	33622401	33622600	*	7.03E-250	2.48E-248	0.246341	chr19_336	sig	hyper
chr19	33623001	33623200	*	4.65E-104	3.81E-103	0.204199	chr19_336	sig	hyper
chr19	33623201	33623400	*	4.09E-268	1.68E-266	0.242412	chr19_336	sig	hyper
chr19	33623401	33623600	*	3.41E-94	2.50E-93	0.248192	chr19_336	sig	hyper
chr19	33684401	33684600	*	4.77E-116	4.47E-115	0.115082	chr19_336	sig	hyper
chr19	33684601	33684800	*	1.76E-63	9.07E-63	0.19276	chr19_336	sig	hyper
chr19	34482201	34482400	*	4.76E-190	9.39E-189	0.169371	chr19_344	sig	hyper
chr19	34772401	34772600	*	1.21E-34	4.13E-34	0.124139	chr19_347	sig	hyper
chr19	34905201	34905400	*	1.53E-142	1.89E-141	0.274959	chr19_349	sig	hyper
chr19	35044001	35044200	*	9.95E-19	2.34E-18	-0.12925	chr19_350	sig	hypo
chr19	35307001	35307200	*	9.16E-34	3.06E-33	-0.13112	chr19_353	sig	hypo
chr19	35350601	35350800	*	3.41E-62	1.73E-61	-0.22096	chr19_353	sig	hypo
chr19	35359401	35359600	*	1.36E-31	4.35E-31	-0.13241	chr19_353	sig	hypo
chr19	35533801	35534000	*	5.06E-48	2.13E-47	0.118149	chr19_355	sig	hyper
chr19	35558401	35558600	*	0.00E+00	0.00E+00	0.279528	chr19_355	sig	hyper
chr19	35774601	35774800	*	1.18E-31	3.78E-31	-0.15357	chr19_357	sig	hypo
chr19	35958801	35959000	*	2.20E-24	6.00E-24	0.102281	chr19_359	sig	hyper
chr19	35959401	35959600	*	1.10E-59	5.41E-59	0.236569	chr19_359	sig	hyper
chr19	35963601	35963800	*	9.73E-46	3.96E-45	-0.1115	chr19_359	sig	hypo
chr19	36245601	36245800	*	8.81E-188	1.69E-186	0.254739	chr19_362	sig	hyper
chr19	36331401	36331600	*	1.34E-113	1.22E-112	0.255186	chr19_363	sig	hyper
chr19	36331601	36331800	*	4.43E-296	2.34E-294	0.28782	chr19_363	sig	hyper

chr19	36418601	36418800	*	6.30E-184	1.15E-182	0.193216	chr19_364	sig	hyper
chr19	36421801	36422000	*	4.54E-177	7.85E-176	0.250081	chr19_364	sig	hyper
chr19	36573801	36574000	*	2.66E-25	7.43E-25	0.104177	chr19_365	sig	hyper
chr19	36666601	36666800	*	5.64E-110	4.93E-109	0.105601	chr19_366	sig	hyper
chr19	36666801	36667000	*	3.90E-204	8.83E-203	0.12041	chr19_366	sig	hyper
chr19	36667001	36667200	*	9.17E-189	1.79E-187	0.105857	chr19_366	sig	hyper
chr19	36776001	36776200	*	4.88E-30	1.52E-29	0.116082	chr19_367	sig	hyper
chr19	36792001	36792200	*	3.42E-39	1.26E-38	0.185697	chr19_367	sig	hyper
chr19	36797401	36797600	*	0	0	0.414501	chr19_367	sig	hyper
chr19	36797601	36797800	*	0	0	0.390754	chr19_367	sig	hyper
chr19	36916001	36916200	*	7.91E-264	3.14E-262	0.219772	chr19_369	sig	hyper
chr19	36916401	36916600	*	1.34E-197	2.81E-196	0.244274	chr19_369	sig	hyper
chr19	36973201	36973400	*	4.23E-100	3.32E-99	0.24568	chr19_369	sig	hyper
chr19	37251801	37252000	*	0	0	0.28136	chr19_372	sig	hyper
chr19	37467401	37467600	*	1.38E-170	2.26E-169	0.10918	chr19_374	sig	hyper
chr19	37467801	37468000	*	9.54E-68	5.21E-67	0.164933	chr19_374	sig	hyper
chr19	37468801	37469000	*	2.69E-58	1.30E-57	0.113351	chr19_374	sig	hyper
chr19	37507001	37507200	*	5.31E-83	3.46E-82	0.195904	chr19_375	sig	hyper
chr19	37551201	37551400	*	0	0	0.307181	chr19_375	sig	hyper
chr19	37551401	37551600	*	4.60E-136	5.34E-135	0.254046	chr19_375	sig	hyper
chr19	37691801	37692000	*	1.05E-83	6.90E-83	0.271296	chr19_376	sig	hyper
chr19	37692001	37692200	*	3.23E-175	5.53E-174	0.171793	chr19_376	sig	hyper
chr19	37692201	37692400	*	0	0	0.16211	chr19_376	sig	hyper
chr19	37692401	37692600	*	1.26E-172	2.10E-171	0.1456	chr19_376	sig	hyper
chr19	37790401	37790600	*	3.82E-23	1.01E-22	0.110054	chr19_377	sig	hyper
chr19	37817401	37817600	*	2.21E-131	2.43E-130	0.277441	chr19_378	sig	hyper
chr19	37817601	37817800	*	2.90E-103	2.36E-102	0.261123	chr19_378	sig	hyper
chr19	38213801	38214000	*	3.07E-18	7.13E-18	-0.13711	chr19_382	sig	hypo
chr19	38233601	38233800	*	6.81E-28	2.01E-27	-0.13902	chr19_382	sig	hypo
chr19	38305401	38305600	*	1.53E-36	5.38E-36	-0.15661	chr19_383	sig	hypo
chr19	38386001	38386200	*	1.31E-68	7.23E-68	0.12484	chr19_383	sig	hyper
chr19	38564801	38565000	*	5.12E-51	2.25E-50	0.150565	chr19_385	sig	hyper
chr19	38617801	38618000	*	1.03E-21	2.61E-21	0.12511	chr19_386	sig	hyper
chr19	38744001	38744200	*	1.01E-27	2.97E-27	-0.12832	chr19_387	sig	hypo
chr19	38769601	38769800	*	4.64E-20	1.13E-19	-0.12192	chr19_387	sig	hypo
chr19	38813201	38813400	*	1.68E-16	3.71E-16	-0.12969	chr19_388	sig	hypo
chr19	38869601	38869800	*	7.28E-82	4.69E-81	0.24493	chr19_388	sig	hyper
chr19	38975201	38975400	*	4.05E-54	1.86E-53	0.104898	chr19_389	sig	hyper
chr19	39264001	39264200	*	9.69E-35	3.30E-34	0.117916	chr19_392	sig	hyper
chr19	39308201	39308400	*	5.28E-63	2.71E-62	0.185242	chr19_393	sig	hyper
chr19	39308401	39308600	*	1.07E-97	8.19E-97	0.208993	chr19_393	sig	hyper
chr19	39507601	39507800	*	2.39E-164	3.66E-163	0.198844	chr19_395	sig	hyper
chr19	39891801	39892000	*	8.75E-36	3.03E-35	0.102539	chr19_398	sig	hyper
chr19	39892001	39892200	*	2.59E-76	1.57E-75	0.116017	chr19_398	sig	hyper
chr19	39924401	39924600	*	3.08E-57	1.47E-56	-0.15307	chr19_399	sig	hypo
chr19	39924601	39924800	*	4.38E-41	1.66E-40	-0.11653	chr19_399	sig	hypo
chr19	40224401	40224600	*	8.72E-221	2.29E-219	-0.35154	chr19_402	sig	hypo
chr19	40224601	40224800	*	2.91E-100	2.29E-99	-0.2985	chr19_402	sig	hypo
chr19	40365601	40365800	*	5.33E-30	1.65E-29	0.144312	chr19_403	sig	hyper
chr19	40396001	40396200	*	1.39E-90	9.81E-90	-0.14996	chr19_403	sig	hypo
chr19	40512801	40513000	*	1.03E-48	4.37E-48	0.140358	chr19_405	sig	hyper
chr19	40513001	40513200	*	3.84E-24	1.04E-23	0.122946	chr19_405	sig	hyper
chr19	40567601	40567800	*	1.79E-48	7.61E-48	0.185269	chr19_405	sig	hyper
chr19	40568001	40568200	*	1.42E-270	5.87E-269	0.233142	chr19_405	sig	hyper
chr19	40568201	40568400	*	1.45E-93	1.05E-92	0.218948	chr19_405	sig	hyper
chr19	40611201	40611400	*	1.96E-78	1.22E-77	-0.1474	chr19_406	sig	hypo

chr19	40613401	40613600	*	3.28E-60	1.63E-59	0.122231	chr19_406	sig	hyper
chr19	40613801	40614000	*	5.38E-111	4.76E-110	0.163396	chr19_406	sig	hyper
chr19	40614401	40614600	*	3.68E-61	1.84E-60	0.132237	chr19_406	sig	hyper
chr19	40623801	40624000	*	3.57E-58	1.72E-57	-0.16711	chr19_406	sig	hypo
chr19	40811801	40812000	*	1.23E-22	3.19E-22	0.121479	chr19_408	sig	hyper
chr19	40824801	40825000	*	2.46E-13	4.87E-13	-0.11187	chr19_408	sig	hypo
chr19	41026001	41026200	*	2.87E-75	1.71E-74	0.181169	chr19_410	sig	hyper
chr19	41090001	41090200	*	2.41E-95	1.79E-94	0.211574	chr19_410	sig	hyper
chr19	41090401	41090600	*	1.11E-24	3.05E-24	0.159809	chr19_410	sig	hyper
chr19	41135801	41136000	*	5.92E-76	3.57E-75	0.142082	chr19_411	sig	hyper
chr19	41425801	41426000	*	1.08E-17	2.45E-17	0.106425	chr19_414	sig	hyper
chr19	41522201	41522400	*	1.90E-302	1.07E-300	0.10497	chr19_415	sig	hyper
chr19	41879201	41879400	*	2.42E-36	8.46E-36	-0.10266	chr19_418	sig	hypo
chr19	41904201	41904400	*	1.16E-94	8.59E-94	-0.12922	chr19_419	sig	hypo
chr19	41933001	41933200	*	0	0	-0.30485	chr19_419	sig	hypo
chr19	41933201	41933400	*	6.78E-97	5.14E-96	-0.15916	chr19_419	sig	hypo
chr19	41956601	41956800	*	4.19E-23	1.11E-22	-0.10601	chr19_419	sig	hypo
chr19	42006601	42006800	*	6.29E-34	2.11E-33	-0.10417	chr19_420	sig	hypo
chr19	42088801	42089000	*	1.82E-48	7.74E-48	-0.17108	chr19_420	sig	hypo
chr19	42096001	42096200	*	8.11E-50	3.51E-49	0.175445	chr19_420	sig	hyper
chr19	42199401	42199600	*	5.87E-45	2.36E-44	0.118248	chr19_421	sig	hyper
chr19	42199601	42199800	*	2.79E-41	1.06E-40	0.10933	chr19_421	sig	hyper
chr19	42424801	42425000	*	1.19E-76	7.23E-76	-0.21901	chr19_424	sig	hypo
chr19	42697801	42698000	*	1.77E-21	4.48E-21	0.147929	chr19_426	sig	hyper
chr19	42698001	42698200	*	4.37E-54	2.00E-53	0.200435	chr19_426	sig	hyper
chr19	43465401	43465600	*	4.01E-22	1.03E-21	-0.13342	chr19_434	sig	hypo
chr19	43465801	43466000	*	4.01E-15	8.42E-15	-0.11832	chr19_434	sig	hypo
chr19	43624001	43624200	*	1.11E-162	1.67E-161	-0.34512	chr19_436	sig	hypo
chr19	43624801	43625000	*	6.22E-85	4.15E-84	-0.19012	chr19_436	sig	hypo
chr19	43699401	43699600	*	2.44E-116	2.29E-115	0.13145	chr19_436	sig	hyper
chr19	44448401	44448600	*	0	0	0.287895	chr19_444	sig	hyper
chr19	44776801	44777000	*	2.38E-15	5.04E-15	-0.10988	chr19_447	sig	hypo
chr19	45000801	45001000	*	7.11E-20	1.72E-19	-0.10246	chr19_450	sig	hypo
chr19	45306001	45306200	*	2.63E-21	6.61E-21	-0.10355	chr19_453	sig	hypo
chr19	45385401	45385600	*	1.17E-44	4.69E-44	0.228203	chr19_453	sig	hyper
chr19	45472601	45472800	*	1.01E-132	1.13E-131	0.221914	chr19_454	sig	hyper
chr19	45472801	45473000	*	4.32E-232	1.28E-230	0.296686	chr19_454	sig	hyper
chr19	45499201	45499400	*	3.50E-42	1.35E-41	0.131486	chr19_454	sig	hyper
chr19	45528201	45528400	*	4.98E-26	1.41E-25	-0.1321	chr19_455	sig	hypo
chr19	45553801	45554000	*	5.43E-21	1.35E-20	-0.11832	chr19_455	sig	hypo
chr19	45640801	45641000	*	5.31E-52	2.36E-51	-0.16885	chr19_456	sig	hypo
chr19	45767001	45767200	*	2.72E-95	2.02E-94	0.121568	chr19_457	sig	hyper
chr19	45804401	45804600	*	2.11E-46	8.68E-46	-0.10644	chr19_458	sig	hypo
chr19	45804601	45804800	*	6.41E-30	1.98E-29	-0.12293	chr19_458	sig	hypo
chr19	45804801	45805000	*	9.60E-79	5.98E-78	-0.24439	chr19_458	sig	hypo
chr19	45815201	45815400	*	1.31E-62	6.67E-62	0.133556	chr19_458	sig	hyper
chr19	45864601	45864800	*	2.09E-20	5.14E-20	-0.1056	chr19_458	sig	hypo
chr19	45884601	45884800	*	1.25E-112	1.13E-111	-0.16272	chr19_458	sig	hypo
chr19	45901401	45901600	*	9.86E-71	5.58E-70	0.242593	chr19_459	sig	hyper
chr19	45905201	45905400	*	9.75E-28	2.87E-27	-0.15091	chr19_459	sig	hypo
chr19	45952801	45953000	*	3.78E-32	1.23E-31	0.188261	chr19_459	sig	hyper
chr19	46079001	46079200	*	7.72E-42	2.96E-41	0.11029	chr19_460	sig	hyper
chr19	46412401	46412600	*	1.91E-168	3.05E-167	0.247317	chr19_464	sig	hyper
chr19	46413201	46413400	*	6.94E-123	7.00E-122	0.19899	chr19_464	sig	hyper
chr19	46413401	46413600	*	3.03E-121	3.00E-120	0.16943	chr19_464	sig	hyper
chr19	46426801	46427000	*	4.83E-128	5.14E-127	0.143877	chr19_464	sig	hyper

chr19	46466601	46466800	*	5.00E-18	1.15E-17	-0.11862	chr19_464	sig	hypo
chr19	46468001	46468200	*	1.35E-77	8.25E-77	-0.28903	chr19_464	sig	hypo
chr19	46471601	46471800	*	1.91E-39	7.04E-39	0.140846	chr19_464	sig	hyper
chr19	46697201	46697400	*	1.34E-17	3.06E-17	-0.13009	chr19_466	sig	hypo
chr19	47021801	47022000	*	5.14E-61	2.57E-60	0.113465	chr19_470	sig	hyper
chr19	47407001	47407200	*	6.59E-09	1.08E-08	0.125138	chr19_474	sig	hyper
chr19	47457201	47457400	*	1.18E-74	7.00E-74	0.140228	chr19_474	sig	hyper
chr19	48297201	48297400	*	4.48E-75	2.67E-74	-0.20876	chr19_482	sig	hypo
chr19	48414801	48415000	*	0	0	0.433348	chr19_484	sig	hyper
chr19	48444201	48444400	*	3.36E-165	5.20E-164	0.281898	chr19_484	sig	hyper
chr19	48501201	48501400	*	1.04E-59	5.13E-59	-0.11826	chr19_485	sig	hypo
chr19	48551601	48551800	*	2.67E-30	8.33E-30	-0.12622	chr19_485	sig	hypo
chr19	48640001	48640200	*	2.54E-250	9.00E-249	-0.39154	chr19_486	sig	hypo
chr19	48741201	48741400	*	8.91E-35	3.03E-34	-0.11345	chr19_487	sig	hypo
chr19	48745801	48746000	*	4.45E-55	2.07E-54	0.140403	chr19_487	sig	hyper
chr19	48746601	48746800	*	8.01E-44	3.18E-43	0.192711	chr19_487	sig	hyper
chr19	48746801	48747000	*	3.74E-121	3.70E-120	0.192856	chr19_487	sig	hyper
chr19	48747201	48747400	*	3.29E-22	8.48E-22	0.123862	chr19_487	sig	hyper
chr19	48837201	48837400	*	4.65E-132	5.17E-131	0.232122	chr19_488	sig	hyper
chr19	48966601	48966800	*	2.15E-82	1.39E-81	-0.25362	chr19_489	sig	hypo
chr19	49043401	49043600	*	2.90E-159	4.23E-158	-0.24815	chr19_490	sig	hypo
chr19	49043601	49043800	*	4.51E-105	3.74E-104	-0.20422	chr19_490	sig	hypo
chr19	49049201	49049400	*	1.96E-82	1.27E-81	-0.15875	chr19_490	sig	hypo
chr19	49049401	49049600	*	2.73E-130	2.98E-129	-0.23644	chr19_490	sig	hypo
chr19	49050401	49050600	*	1.27E-80	8.04E-80	-0.21326	chr19_490	sig	hypo
chr19	49055601	49055800	*	2.16E-18	5.04E-18	-0.1027	chr19_490	sig	hypo
chr19	49058201	49058400	*	8.31E-20	2.01E-19	0.167819	chr19_490	sig	hyper
chr19	49061601	49061800	*	7.75E-52	3.44E-51	-0.12738	chr19_490	sig	hypo
chr19	49073801	49074000	*	9.67E-18	2.21E-17	-0.10585	chr19_490	sig	hypo
chr19	49133001	49133200	*	1.19E-291	6.12E-290	0.323831	chr19_491	sig	hyper
chr19	49133201	49133400	*	0	0	0.345734	chr19_491	sig	hyper
chr19	49210201	49210400	*	2.70E-22	6.96E-22	0.15524	chr19_492	sig	hyper
chr19	49390201	49390400	*	2.03E-70	1.15E-69	-0.18832	chr19_493	sig	hypo
chr19	49433001	49433200	*	2.42E-107	2.05E-106	0.269156	chr19_494	sig	hyper
chr19	49436601	49436800	*	1.96E-90	1.38E-89	0.105775	chr19_494	sig	hyper
chr19	49527601	49527800	*	5.37E-30	1.66E-29	0.180893	chr19_495	sig	hyper
chr19	49527801	49528000	*	2.86E-35	9.82E-35	0.210344	chr19_495	sig	hyper
chr19	50203001	50203200	*	7.41E-42	2.85E-41	-0.12093	chr19_502	sig	hypo
chr19	50548601	50548800	*	7.03E-63	3.60E-62	-0.18829	chr19_505	sig	hypo
chr19	50608001	50608200	*	5.01E-153	6.87E-152	0.202706	chr19_506	sig	hyper
chr19	50639001	50639200	*	1.88E-24	5.13E-24	0.128159	chr19_506	sig	hyper
chr19	50639201	50639400	*	8.42E-106	7.04E-105	0.162514	chr19_506	sig	hyper
chr19	50640001	50640200	*	1.80E-21	4.53E-21	0.103568	chr19_506	sig	hyper
chr19	50695601	50695800	*	9.78E-101	7.75E-100	0.182107	chr19_506	sig	hyper
chr19	50717001	50717200	*	1.03E-21	2.60E-21	-0.10481	chr19_507	sig	hypo
chr19	50717201	50717400	*	2.45E-114	2.25E-113	-0.21267	chr19_507	sig	hypo
chr19	50728201	50728400	*	6.41E-33	2.11E-32	0.140438	chr19_507	sig	hyper
chr19	50728401	50728600	*	7.54E-94	5.52E-93	0.233984	chr19_507	sig	hyper
chr19	50728601	50728800	*	6.38E-52	2.84E-51	0.203974	chr19_507	sig	hyper
chr19	50831201	50831400	*	4.96E-38	1.78E-37	-0.11341	chr19_508	sig	hypo
chr19	51034801	51035000	*	2.45E-21	6.17E-21	-0.11001	chr19_510	sig	hypo
chr19	51085401	51085600	*	1.95E-56	9.20E-56	-0.16523	chr19_510	sig	hypo
chr19	51327801	51328000	*	3.47E-63	1.78E-62	0.149059	chr19_513	sig	hyper
chr19	51601001	51601200	*	1.79E-36	6.28E-36	0.189347	chr19_516	sig	hyper
chr19	51719201	51719400	*	7.75E-100	6.07E-99	0.243141	chr19_517	sig	hyper
chr19	51948801	51949000	*	2.30E-21	5.78E-21	0.11848	chr19_519	sig	hyper

chr19	51949001	51949200	*	2.76E-251	9.87E-250	0.20905	chr19_519	sig	hyper
chr19	51949201	51949400	*	6.45E-54	2.95E-53	0.116537	chr19_519	sig	hyper
chr19	52336001	52336200	*	4.84E-92	3.47E-91	0.122119	chr19_523	sig	hyper
chr19	52336201	52336400	*	1.13E-211	2.74E-210	0.191361	chr19_523	sig	hyper
chr19	52336401	52336600	*	4.68E-255	1.74E-253	0.194427	chr19_523	sig	hyper
chr19	52369801	52370000	*	1.04E-305	6.06E-304	0.279084	chr19_523	sig	hyper
chr19	52370001	52370200	*	4.01E-194	8.16E-193	0.302043	chr19_523	sig	hyper
chr19	52370201	52370400	*	6.52E-154	9.04E-153	0.187372	chr19_523	sig	hyper
chr19	52397801	52398000	*	2.02E-73	1.18E-72	0.166129	chr19_523	sig	hyper
chr19	52398001	52398200	*	9.62E-136	1.11E-134	0.23177	chr19_523	sig	hyper
chr19	52451201	52451400	*	7.91E-46	3.23E-45	0.156285	chr19_524	sig	hyper
chr19	52453401	52453600	*	1.89E-234	5.74E-233	0.239687	chr19_524	sig	hyper
chr19	52453601	52453800	*	8.45E-120	8.24E-119	0.325175	chr19_524	sig	hyper
chr19	52453801	52454000	*	9.86E-63	5.04E-62	0.2381	chr19_524	sig	hyper
chr19	52492801	52493000	*	4.22E-88	2.90E-87	0.239671	chr19_524	sig	hyper
chr19	52493201	52493400	*	4.28E-139	5.11E-138	0.229627	chr19_524	sig	hyper
chr19	52535801	52536000	*	4.44E-109	3.85E-108	0.2444	chr19_525	sig	hyper
chr19	52536001	52536200	*	1.44E-117	1.38E-116	0.207969	chr19_525	sig	hyper
chr19	52536201	52536400	*	1.62E-82	1.05E-81	0.195089	chr19_525	sig	hyper
chr19	53058001	53058200	*	1.10E-165	1.71E-164	0.245695	chr19_530	sig	hyper
chr19	53058201	53058400	*	8.15E-169	1.31E-167	0.287603	chr19_530	sig	hyper
chr19	53058601	53058800	*	3.99E-72	2.29E-71	0.28205	chr19_530	sig	hyper
chr19	53132801	53133000	*	5.24E-291	2.68E-289	0.255982	chr19_531	sig	hyper
chr19	53159201	53159400	*	8.55E-95	6.32E-94	0.120946	chr19_531	sig	hyper
chr19	53255001	53255200	*	1.40E-177	2.45E-176	0.289883	chr19_532	sig	hyper
chr19	53255201	53255400	*	5.79E-241	1.88E-239	0.325154	chr19_532	sig	hyper
chr19	53308601	53308800	*	0	0	0.283383	chr19_533	sig	hyper
chr19	53329001	53329200	*	7.73E-53	3.48E-52	0.209276	chr19_533	sig	hyper
chr19	53360601	53360800	*	1.51E-16	3.34E-16	0.110243	chr19_533	sig	hyper
chr19	53467401	53467600	*	3.11E-164	4.75E-163	0.200624	chr19_534	sig	hyper
chr19	53467601	53467800	*	2.92E-188	5.64E-187	0.142098	chr19_534	sig	hyper
chr19	53467801	53468000	*	2.88E-96	2.17E-95	0.113556	chr19_534	sig	hyper
chr19	53520601	53520800	*	2.88E-263	1.13E-261	0.207039	chr19_535	sig	hyper
chr19	53521001	53521200	*	2.59E-95	1.92E-94	0.14815	chr19_535	sig	hyper
chr19	53521201	53521400	*	1.04E-114	9.56E-114	0.255555	chr19_535	sig	hyper
chr19	53521401	53521600	*	0	0	0.319711	chr19_535	sig	hyper
chr19	53537401	53537600	*	4.24E-33	1.40E-32	0.129682	chr19_535	sig	hyper
chr19	53537801	53538000	*	6.78E-49	2.90E-48	0.100853	chr19_535	sig	hyper
chr19	53538001	53538200	*	4.91E-66	2.62E-65	0.1068	chr19_535	sig	hyper
chr19	53907801	53908000	*	2.45E-41	9.35E-41	0.167707	chr19_539	sig	hyper
chr19	53908201	53908400	*	6.68E-32	2.16E-31	0.140158	chr19_539	sig	hyper
chr19	53942601	53942800	*	1.95E-90	1.38E-89	0.31369	chr19_539	sig	hyper
chr19	53978201	53978400	*	4.45E-56	2.09E-55	0.235637	chr19_539	sig	hyper
chr19	53993001	53993200	*	3.17E-75	1.89E-74	0.119992	chr19_539	sig	hyper
chr19	54164401	54164600	*	1.31E-37	4.66E-37	0.120568	chr19_541	sig	hyper
chr19	54219401	54219600	*	9.84E-42	3.77E-41	-0.14242	chr19_542	sig	hypo
chr19	54365001	54365200	*	7.43E-59	3.63E-58	-0.11589	chr19_543	sig	hypo
chr19	55038201	55038400	*	9.39E-22	2.39E-21	-0.10902	chr19_550	sig	hypo
chr19	55038401	55038600	*	2.38E-104	1.96E-103	-0.16863	chr19_550	sig	hypo
chr19	55079801	55080000	*	7.97E-34	2.67E-33	-0.15209	chr19_550	sig	hypo
chr19	55087401	55087600	*	4.92E-77	3.00E-76	0.14791	chr19_550	sig	hyper
chr19	55087601	55087800	*	1.98E-100	1.57E-99	0.219107	chr19_550	sig	hyper
chr19	55118801	55119000	*	3.82E-35	1.31E-34	0.138922	chr19_551	sig	hyper
chr19	55132801	55133000	*	6.66E-39	2.43E-38	-0.1472	chr19_551	sig	hypo
chr19	55156801	55157000	*	1.71E-47	7.17E-47	0.148519	chr19_551	sig	hyper
chr19	55276601	55276800	*	2.24E-14	4.60E-14	-0.12286	chr19_552	sig	hypo

chr19	55287001	55287200	*	1.28E-52	5.73E-52	-0.16661	chr19_552	sig	hypo
chr19	55352801	55353000	*	1.05E-30	3.29E-30	-0.10178	chr19_553	sig	hypo
chr19	55359001	55359200	*	0	0	-0.36705	chr19_553	sig	hypo
chr19	55406801	55407000	*	1.43E-25	4.03E-25	-0.11665	chr19_554	sig	hypo
chr19	55452601	55452800	*	2.35E-127	2.48E-126	0.29711	chr19_554	sig	hyper
chr19	55547201	55547400	*	1.29E-87	8.80E-87	-0.26605	chr19_555	sig	hypo
chr19	55640201	55640400	*	5.70E-23	1.50E-22	0.103608	chr19_556	sig	hyper
chr19	56368001	56368200	*	1.32E-200	2.86E-199	0.299202	chr19_563	sig	hyper
chr19	56368401	56368600	*	0	0	0.426195	chr19_563	sig	hyper
chr19	56393201	56393400	*	4.65E-115	4.31E-114	0.185866	chr19_563	sig	hyper
chr19	56393401	56393600	*	7.70E-248	2.67E-246	0.197636	chr19_563	sig	hyper
chr19	56393601	56393800	*	3.03E-296	1.60E-294	0.273849	chr19_563	sig	hyper
chr19	56393801	56394000	*	8.90E-69	4.92E-68	0.200153	chr19_563	sig	hyper
chr19	56404601	56404800	*	2.34E-13	4.63E-13	0.12137	chr19_564	sig	hyper
chr19	56476801	56477000	*	2.23E-67	1.21E-66	0.224369	chr19_564	sig	hyper
chr19	56477001	56477200	*	1.20E-48	5.11E-48	0.19511	chr19_564	sig	hyper
chr19	56507201	56507400	*	8.49E-44	3.37E-43	0.213056	chr19_565	sig	hyper
chr19	56507401	56507600	*	2.84E-262	1.11E-260	0.317753	chr19_565	sig	hyper
chr19	56507601	56507800	*	1.18E-222	3.16E-221	0.326219	chr19_565	sig	hyper
chr19	56538201	56538400	*	1.21E-93	8.86E-93	0.163057	chr19_565	sig	hyper
chr19	56642601	56642800	*	2.82E-39	1.04E-38	0.144266	chr19_566	sig	hyper
chr19	56671401	56671600	*	1.39E-168	2.22E-167	0.256424	chr19_566	sig	hyper
chr19	56671601	56671800	*	1.13E-167	1.79E-166	0.271872	chr19_566	sig	hyper
chr19	56765201	56765400	*	2.07E-247	7.12E-246	0.261221	chr19_567	sig	hyper
chr19	56837801	56838000	*	4.59E-32	1.49E-31	0.164241	chr19_568	sig	hyper
chr19	56838601	56838800	*	1.29E-177	2.24E-176	0.168525	chr19_568	sig	hyper
chr19	56840601	56840800	*	1.93E-62	9.82E-62	0.126279	chr19_568	sig	hyper
chr19	56840801	56841000	*	6.69E-37	2.36E-36	0.15023	chr19_568	sig	hyper
chr19	56841201	56841400	*	2.13E-59	1.05E-58	0.133714	chr19_568	sig	hyper
chr19	56864401	56864600	*	2.99E-44	1.19E-43	0.137523	chr19_568	sig	hyper
chr19	57099201	57099400	*	4.06E-107	3.43E-106	0.267176	chr19_570	sig	hyper
chr19	57099401	57099600	*	1.15E-213	2.83E-212	0.259031	chr19_570	sig	hyper
chr19	57191801	57192000	*	1.15E-305	6.73E-304	0.156541	chr19_571	sig	hyper
chr19	57192001	57192200	*	3.11E-206	7.20E-205	0.29261	chr19_571	sig	hyper
chr19	57240201	57240400	*	2.04E-110	1.79E-109	0.231394	chr19_572	sig	hyper
chr19	57317601	57317800	*	1.10E-73	6.43E-73	0.201114	chr19_573	sig	hyper
chr19	57320201	57320400	*	0	0	0.154861	chr19_573	sig	hyper
chr19	57320401	57320600	*	0.00E+00	0.00E+00	0.136839	chr19_573	sig	hyper
chr19	57320801	57321000	*	0.00E+00	0.00E+00	0.273113	chr19_573	sig	hyper
chr19	57351001	57351200	*	2.09E-289	1.06E-287	0.217314	chr19_573	sig	hyper
chr19	57351201	57351400	*	0	0	0.281351	chr19_573	sig	hyper
chr19	57363401	57363600	*	0	0	0.111624	chr19_573	sig	hyper
chr19	57363801	57364000	*	2.90E-161	4.30E-160	0.211312	chr19_573	sig	hyper
chr19	57527201	57527400	*	2.57E-126	2.69E-125	0.184011	chr19_575	sig	hyper
chr19	57527401	57527600	*	0	0	0.219839	chr19_575	sig	hyper
chr19	57583601	57583800	*	6.78E-197	1.42E-195	0.269151	chr19_575	sig	hyper
chr19	57584001	57584200	*	0	0	0.399436	chr19_575	sig	hyper
chr19	57600201	57600400	*	2.56E-306	1.50E-304	0.207456	chr19_576	sig	hyper
chr19	57614401	57614600	*	1.18E-128	1.26E-127	0.274583	chr19_576	sig	hyper
chr19	57614601	57614800	*	5.75E-234	1.74E-232	0.294717	chr19_576	sig	hyper
chr19	57708601	57708800	*	6.75E-101	5.36E-100	0.289128	chr19_577	sig	hyper
chr19	57709001	57709200	*	1.57E-176	2.71E-175	0.24335	chr19_577	sig	hyper
chr19	57709201	57709400	*	4.79E-176	8.23E-175	0.243976	chr19_577	sig	hyper
chr19	57888801	57889000	*	8.45E-119	8.17E-118	0.223724	chr19_578	sig	hyper
chr19	57934801	57935000	*	7.17E-109	6.19E-108	0.269156	chr19_579	sig	hyper
chr19	57935001	57935200	*	2.41E-247	8.27E-246	0.298816	chr19_579	sig	hyper

chr19	57935401	57935600	*	2.06E-247	7.10E-246	0.268281	chr19_579	sig	hyper
chr19	57947401	57947600	*	1.46E-223	3.96E-222	0.164355	chr19_579	sig	hyper
chr19	57947601	57947800	*	0	0	0.142691	chr19_579	sig	hyper
chr19	57947801	57948000	*	1.63E-181	2.92E-180	0.114616	chr19_579	sig	hyper
chr19	58002201	58002400	*	9.83E-80	6.18E-79	0.117552	chr19_580	sig	hyper
chr19	58009601	58009800	*	0	0	0.231133	chr19_580	sig	hyper
chr19	58033601	58033800	*	1.56E-176	2.68E-175	0.293151	chr19_580	sig	hyper
chr19	58033801	58034000	*	1.07E-81	6.87E-81	0.23612	chr19_580	sig	hyper
chr19	58043001	58043200	*	9.92E-185	1.83E-183	0.228608	chr19_580	sig	hyper
chr19	58059001	58059200	*	0	0	0.391637	chr19_580	sig	hyper
chr19	58098201	58098400	*	0	0	0.162159	chr19_580	sig	hyper
chr19	58098401	58098600	*	1.15E-155	1.62E-154	0.183716	chr19_580	sig	hyper
chr19	58118201	58118400	*	4.48E-49	1.92E-48	0.168194	chr19_581	sig	hyper
chr19	58118401	58118600	*	3.27E-49	1.40E-48	0.134025	chr19_581	sig	hyper
chr19	58118601	58118800	*	2.24E-148	2.94E-147	0.165071	chr19_581	sig	hyper
chr19	58155401	58155600	*	4.57E-142	5.62E-141	0.256322	chr19_581	sig	hyper
chr19	58203801	58204000	*	5.40E-59	2.64E-58	0.107164	chr19_582	sig	hyper
chr19	58204201	58204400	*	6.63E-54	3.03E-53	0.151273	chr19_582	sig	hyper
chr19	58204601	58204800	*	3.03E-37	1.08E-36	0.110203	chr19_582	sig	hyper
chr19	58217201	58217400	*	4.59E-57	2.19E-56	0.110933	chr19_582	sig	hyper
chr19	58350001	58350200	*	1.72E-91	1.23E-90	0.192243	chr19_583	sig	hyper
chr19	58350601	58350800	*	4.91E-131	5.39E-130	0.213282	chr19_583	sig	hyper
chr19	58356201	58356400	*	2.08E-236	6.46E-235	0.226376	chr19_583	sig	hyper
chr19	58440001	58440200	*	0	0	0.17248	chr19_584	sig	hyper
chr19	58440401	58440600	*	0	0	0.245836	chr19_584	sig	hyper
chr19	58440601	58440800	*	2.11E-131	2.32E-130	0.214162	chr19_584	sig	hyper
chr19	58440801	58441000	*	1.58E-102	1.28E-101	0.146459	chr19_584	sig	hyper
chr19	58581201	58581400	*	6.35E-266	2.56E-264	0.240934	chr19_585	sig	hyper
chr20	419601	419800	*	5.65E-50	2.45E-49	-0.14801	chr20_419	sig	hypo
chr20	664401	664600	*	8.49E-49	3.63E-48	0.148094	chr20_664	sig	hyper
chr20	761001	761200	*	6.37E-125	6.57E-124	0.170201	chr20_761	sig	hyper
chr20	885201	885400	*	1.87E-85	1.25E-84	0.125962	chr20_885	sig	hyper
chr20	1002001	1002200	*	4.08E-116	3.82E-115	0.191109	chr20_100	sig	hyper
chr20	1802801	1803000	*	3.63E-111	3.21E-110	0.132843	chr20_180	sig	hyper
chr20	2403601	2403800	*	4.99E-53	2.25E-52	-0.10011	chr20_240	sig	hypo
chr20	3092601	3092800	*	2.50E-21	6.29E-21	0.136224	chr20_309	sig	hyper
chr20	3408801	3409000	*	6.01E-118	5.75E-117	0.216926	chr20_340	sig	hyper
chr20	3785801	3786000	*	6.17E-77	3.76E-76	-0.13555	chr20_378	sig	hypo
chr20	5302201	5302400	*	1.10E-51	4.88E-51	-0.1283	chr20_530	sig	hypo
chr20	5315601	5315800	*	1.66E-245	5.64E-244	0.266551	chr20_531	sig	hyper
chr20	6054401	6054600	*	7.08E-28	2.09E-27	-0.16974	chr20_605	sig	hypo
chr20	7803601	7803800	*	1.77E-21	4.46E-21	0.115737	chr20_780	sig	hyper
chr20	8132801	8133000	*	1.85E-200	4.02E-199	0.241793	chr20_813	sig	hyper
chr20	9506401	9506600	*	2.51E-41	9.57E-41	0.239322	chr20_950	sig	hyper
chr20	9507201	9507400	*	3.20E-107	2.71E-106	0.316131	chr20_950	sig	hyper
chr20	9509001	9509200	*	1.18E-118	1.14E-117	0.249848	chr20_950	sig	hyper
chr20	9515801	9516000	*	1.46E-134	1.67E-133	0.219692	chr20_951	sig	hyper
chr20	9516601	9516800	*	2.16E-22	5.60E-22	0.122063	chr20_951	sig	hyper
chr20	9838601	9838800	*	7.25E-118	6.93E-117	0.268614	chr20_983	sig	hyper
chr20	10218601	10218800	*	6.56E-74	3.84E-73	0.106602	chr20_102	sig	hyper
chr20	10218801	10219000	*	2.56E-58	1.24E-57	0.113616	chr20_102	sig	hyper
chr20	16573801	16574000	*	7.68E-94	5.62E-93	-0.24202	chr20_165	sig	hypo
chr20	17225801	17226000	*	1.08E-102	8.75E-102	0.215002	chr20_172	sig	hyper
chr20	17227401	17227600	*	5.68E-19	1.34E-18	0.100181	chr20_172	sig	hyper
chr20	17315401	17315600	*	1.31E-80	8.35E-80	0.142678	chr20_173	sig	hyper
chr20	17315601	17315800	*	2.45E-64	1.28E-63	0.112879	chr20_173	sig	hyper

chr20	19974801	19975000	*	1.97E-78	1.22E-77	0.200876	chr20_199	sig	hyper
chr20	19975001	19975200	*	1.72E-69	9.58E-69	0.241532	chr20_199	sig	hyper
chr20	20365401	20365600	*	3.53E-95	2.62E-94	0.277208	chr20_203	sig	hyper
chr20	21020401	21020600	*	9.78E-114	8.92E-113	0.197079	chr20_210	sig	hyper
chr20	21102001	21102200	*	8.74E-137	1.02E-135	0.181982	chr20_211	sig	hyper
chr20	21102201	21102400	*	4.50E-90	3.16E-89	0.171875	chr20_211	sig	hyper
chr20	21103601	21103800	*	5.59E-166	8.73E-165	0.279016	chr20_211	sig	hyper
chr20	21104201	21104400	*	8.18E-44	3.24E-43	0.133127	chr20_211	sig	hyper
chr20	21106001	21106200	*	1.11E-58	5.39E-58	0.225248	chr20_211	sig	hyper
chr20	21395801	21396000	*	3.98E-34	1.34E-33	0.188592	chr20_213	sig	hyper
chr20	21396201	21396400	*	0	0	0.250753	chr20_213	sig	hyper
chr20	21397401	21397600	*	1.58E-170	2.59E-169	0.195211	chr20_213	sig	hyper
chr20	21397801	21398000	*	1.17E-102	9.46E-102	0.296619	chr20_213	sig	hyper
chr20	21508401	21508600	*	1.27E-236	3.97E-235	0.356115	chr20_215	sig	hyper
chr20	21509401	21509600	*	0	0	0.36169	chr20_215	sig	hyper
chr20	21509801	21510000	*	0	0	0.352556	chr20_215	sig	hyper
chr20	21511001	21511200	*	4.20E-167	6.61E-166	0.279617	chr20_215	sig	hyper
chr20	21513801	21514000	*	1.47E-224	4.03E-223	0.161213	chr20_215	sig	hyper
chr20	21514001	21514200	*	0	0	0.22516	chr20_215	sig	hyper
chr20	21514801	21515000	*	3.81E-96	2.86E-95	0.17547	chr20_215	sig	hyper
chr20	21515401	21515600	*	2.90E-236	8.96E-235	0.266444	chr20_215	sig	hyper
chr20	21515801	21516000	*	9.76E-106	8.16E-105	0.256246	chr20_215	sig	hyper
chr20	21516001	21516200	*	2.02E-222	5.40E-221	0.255658	chr20_215	sig	hyper
chr20	21517401	21517600	*	6.04E-221	1.59E-219	0.337648	chr20_215	sig	hyper
chr20	21517601	21517800	*	0	0	0.37396	chr20_215	sig	hyper
chr20	21519201	21519400	*	4.06E-191	8.09E-190	0.25383	chr20_215	sig	hyper
chr20	21520601	21520800	*	1.57E-33	5.23E-33	0.159723	chr20_215	sig	hyper
chr20	21608401	21608600	*	1.79E-118	1.72E-117	-0.26609	chr20_216	sig	hypo
chr20	21701201	21701400	*	5.39E-70	3.03E-69	0.182734	chr20_217	sig	hyper
chr20	21702201	21702400	*	1.30E-88	8.99E-88	0.228948	chr20_217	sig	hyper
chr20	21702801	21703000	*	9.37E-130	1.02E-128	0.263207	chr20_217	sig	hyper
chr20	21703601	21703800	*	3.10E-63	1.59E-62	0.218578	chr20_217	sig	hyper
chr20	21705601	21705800	*	1.81E-71	1.03E-70	0.141774	chr20_217	sig	hyper
chr20	21706601	21706800	*	2.20E-235	6.74E-234	0.309067	chr20_217	sig	hyper
chr20	21713601	21713800	*	1.55E-158	2.24E-157	0.24562	chr20_217	sig	hyper
chr20	21713801	21714000	*	1.06E-220	2.77E-219	0.234481	chr20_217	sig	hyper
chr20	22569401	22569600	*	1.78E-61	8.94E-61	-0.14174	chr20_225	sig	hypo
chr20	22576801	22577000	*	2.61E-168	4.15E-167	-0.29001	chr20_225	sig	hypo
chr20	23048201	23048400	*	6.78E-110	5.91E-109	0.196605	chr20_230	sig	hyper
chr20	23048601	23048800	*	0	0	0.269247	chr20_230	sig	hyper
chr20	23049401	23049600	*	2.04E-259	7.83E-258	0.21984	chr20_230	sig	hyper
chr20	23049601	23049800	*	4.97E-148	6.52E-147	0.20267	chr20_230	sig	hyper
chr20	23049801	23050000	*	2.79E-136	3.25E-135	0.119403	chr20_230	sig	hyper
chr20	24469001	24469200	*	8.51E-94	6.22E-93	0.211753	chr20_244	sig	hyper
chr20	24469201	24469400	*	7.73E-164	1.18E-162	0.374241	chr20_244	sig	hyper
chr20	24470001	24470200	*	1.98E-272	8.35E-271	0.313078	chr20_244	sig	hyper
chr20	24470401	24470600	*	5.43E-79	3.39E-78	0.171139	chr20_244	sig	hyper
chr20	24470801	24471000	*	0	0	0.273719	chr20_244	sig	hyper
chr20	24471001	24471200	*	3.67E-112	3.28E-111	0.18587	chr20_244	sig	hyper
chr20	24471201	24471400	*	6.15E-216	1.54E-214	0.198217	chr20_244	sig	hyper
chr20	25081001	25081200	*	1.50E-85	1.01E-84	0.2166	chr20_250	sig	hyper
chr20	25082001	25082200	*	9.24E-245	3.12E-243	0.247727	chr20_250	sig	hyper
chr20	25083201	25083400	*	9.78E-166	1.52E-164	0.334144	chr20_250	sig	hyper
chr20	25083401	25083600	*	1.64E-158	2.38E-157	0.2691	chr20_250	sig	hyper
chr20	25083601	25083800	*	1.58E-154	2.20E-153	0.255661	chr20_250	sig	hyper
chr20	25584801	25585000	*	3.36E-79	2.10E-78	0.189331	chr20_255	sig	hyper

chr20	25585601	25585800	*	1.11E-84	7.38E-84	0.154981	chr20_255	sig	hyper
chr20	29427401	29427600	*	6.12E-75	3.64E-74	0.222648	chr20_294	sig	hyper
chr20	29877401	29877600	*	1.90E-14	3.90E-14	-0.11237	chr20_298	sig	hypo
chr20	30812801	30813000	*	5.50E-22	1.41E-21	-0.10427	chr20_308	sig	hypo
chr20	30891801	30892000	*	5.93E-114	5.41E-113	0.282852	chr20_308	sig	hyper
chr20	31440401	31440600	*	7.95E-24	2.14E-23	-0.11669	chr20_314	sig	hypo
chr20	31474801	31475000	*	1.07E-18	2.51E-18	0.115964	chr20_314	sig	hyper
chr20	31485601	31485800	*	3.28E-29	9.98E-29	0.171859	chr20_314	sig	hyper
chr20	32052401	32052600	*	1.02E-116	9.61E-116	0.120505	chr20_320	sig	hyper
chr20	32457201	32457400	*	8.88E-30	2.74E-29	0.151373	chr20_324	sig	hyper
chr20	33018601	33018800	*	3.19E-49	1.37E-48	-0.15518	chr20_330	sig	hypo
chr20	33687001	33687200	*	1.68E-24	4.60E-24	-0.12641	chr20_336	sig	hypo
chr20	35174601	35174800	*	2.23E-42	8.63E-42	-0.10347	chr20_351	sig	hypo
chr20	35174801	35175000	*	4.77E-67	2.58E-66	-0.21626	chr20_351	sig	hypo
chr20	35292401	35292600	*	2.69E-46	1.11E-45	-0.16076	chr20_352	sig	hypo
chr20	35438001	35438200	*	4.12E-38	1.48E-37	-0.16745	chr20_354	sig	hypo
chr20	36460601	36460800	*	1.13E-20	2.79E-20	-0.1355	chr20_364	sig	hypo
chr20	36876001	36876200	*	2.32E-40	8.69E-40	-0.14277	chr20_368	sig	hypo
chr20	37522601	37522800	*	2.06E-232	6.16E-231	-0.28796	chr20_375	sig	hypo
chr20	37523201	37523400	*	1.98E-29	6.07E-29	-0.1711	chr20_375	sig	hypo
chr20	37902401	37902600	*	6.53E-64	3.39E-63	0.264289	chr20_379	sig	hyper
chr20	38448001	38448200	*	7.23E-27	2.09E-26	-0.11196	chr20_384	sig	hypo
chr20	38674201	38674400	*	1.44E-244	4.85E-243	0.26721	chr20_386	sig	hyper
chr20	38674801	38675000	*	4.27E-29	1.30E-28	0.196032	chr20_386	sig	hyper
chr20	38725001	38725200	*	1.80E-97	1.37E-96	0.196969	chr20_387	sig	hyper
chr20	38728001	38728200	*	1.05E-248	3.69E-247	0.307673	chr20_387	sig	hyper
chr20	38729201	38729400	*	7.61E-41	2.87E-40	0.177535	chr20_387	sig	hyper
chr20	38729401	38729600	*	5.74E-116	5.37E-115	0.182168	chr20_387	sig	hyper
chr20	38731001	38731200	*	1.67E-52	7.48E-52	0.111193	chr20_387	sig	hyper
chr20	38805401	38805600	*	4.52E-89	3.14E-88	0.226062	chr20_388	sig	hyper
chr20	38807001	38807200	*	3.46E-141	4.22E-140	0.152943	chr20_388	sig	hyper
chr20	40683601	40683800	*	1.03E-49	4.44E-49	0.108847	chr20_406	sig	hyper
chr20	40690601	40690800	*	0.00E+00	4.98E-307	0.210381	chr20_406	sig	hyper
chr20	40690801	40691000	*	4.50E-160	6.59E-159	0.167396	chr20_406	sig	hyper
chr20	41134001	41134200	*	2.17E-140	2.62E-139	-0.3168	chr20_411	sig	hypo
chr20	41366801	41367000	*	3.38E-142	4.17E-141	0.132386	chr20_413	sig	hyper
chr20	43189201	43189400	*	1.42E-270	5.88E-269	0.203085	chr20_431	sig	hyper
chr20	43514601	43514800	*	7.96E-17	1.77E-16	0.11856	chr20_435	sig	hyper
chr20	43916401	43916600	*	1.48E-70	8.34E-70	0.156306	chr20_439	sig	hyper
chr20	44248201	44248400	*	5.71E-13	1.11E-12	-0.10087	chr20_442	sig	hypo
chr20	45097801	45098000	*	4.47E-289	2.24E-287	0.239718	chr20_450	sig	hyper
chr20	45098401	45098600	*	1.38E-54	6.39E-54	0.17353	chr20_450	sig	hyper
chr20	45297801	45298000	*	4.68E-207	1.09E-205	-0.31209	chr20_452	sig	hypo
chr20	45298001	45298200	*	3.65E-77	2.23E-76	-0.22587	chr20_452	sig	hypo
chr20	45304201	45304400	*	7.97E-46	3.25E-45	0.152389	chr20_453	sig	hyper
chr20	45306601	45306800	*	5.32E-89	3.70E-88	0.102893	chr20_453	sig	hyper
chr20	45306801	45307000	*	2.90E-14	5.93E-14	0.101807	chr20_453	sig	hyper
chr20	45316601	45316800	*	3.17E-173	5.33E-172	0.268042	chr20_453	sig	hyper
chr20	45316801	45317000	*	9.62E-101	7.63E-100	0.256257	chr20_453	sig	hyper
chr20	45469001	45469200	*	3.72E-21	9.33E-21	-0.13897	chr20_454	sig	hypo
chr20	46010801	46011000	*	1.34E-26	3.86E-26	0.117244	chr20_460	sig	hyper
chr20	46011601	46011800	*	4.54E-102	3.65E-101	0.213	chr20_460	sig	hyper
chr20	46011801	46012000	*	2.91E-23	7.72E-23	0.146906	chr20_460	sig	hyper
chr20	46030201	46030400	*	6.90E-119	6.68E-118	0.285246	chr20_460	sig	hyper
chr20	46057401	46057600	*	2.01E-172	3.35E-171	0.25952	chr20_460	sig	hyper
chr20	46058401	46058600	*	4.84E-167	7.61E-166	0.232536	chr20_460	sig	hyper

chr20	46118201	46118400	*	5.08E-128	5.40E-127	0.132559	chr20_461	sig	hyper
chr20	46174801	46175000	*	1.11E-71	6.35E-71	0.184866	chr20_461	sig	hyper
chr20	46246601	46246800	*	2.95E-81	1.89E-80	0.191163	chr20_462	sig	hyper
chr20	46246801	46247000	*	1.07E-36	3.77E-36	0.171921	chr20_462	sig	hyper
chr20	46513201	46513400	*	1.25E-120	1.23E-119	0.231455	chr20_465	sig	hyper
chr20	46513601	46513800	*	0	0	0.236243	chr20_465	sig	hyper
chr20	48827201	48827400	*	3.02E-190	5.96E-189	0.177718	chr20_488	sig	hyper
chr20	49910001	49910200	*	6.23E-55	2.89E-54	-0.15431	chr20_499	sig	hypo
chr20	49913601	49913800	*	9.12E-19	2.15E-18	-0.10724	chr20_499	sig	hypo
chr20	49981801	49982000	*	2.15E-12	4.10E-12	-0.10735	chr20_499	sig	hypo
chr20	50588201	50588400	*	5.41E-17	1.21E-16	-0.11956	chr20_505	sig	hypo
chr20	51003801	51004000	*	3.59E-135	4.13E-134	-0.21358	chr20_510	sig	hypo
chr20	51004001	51004200	*	2.27E-78	1.40E-77	-0.16173	chr20_510	sig	hypo
chr20	51023401	51023600	*	3.47E-124	3.55E-123	0.209723	chr20_510	sig	hyper
chr20	52104601	52104800	*	5.80E-107	4.90E-106	0.226067	chr20_521	sig	hyper
chr20	54475801	54476000	*	7.83E-60	3.87E-59	0.256366	chr20_544	sig	hyper
chr20	54476601	54476800	*	6.94E-46	2.84E-45	0.19227	chr20_544	sig	hyper
chr20	56003801	56004000	*	3.10E-35	1.06E-34	0.171448	chr20_560	sig	hyper
chr20	56004601	56004800	*	4.16E-133	4.67E-132	0.265867	chr20_560	sig	hyper
chr20	56006201	56006400	*	5.37E-61	2.68E-60	0.224625	chr20_560	sig	hyper
chr20	56343801	56344000	*	2.61E-80	1.66E-79	0.175043	chr20_563	sig	hyper
chr20	56625801	56626000	*	5.44E-102	4.37E-101	0.190889	chr20_566	sig	hyper
chr20	56626801	56627000	*	3.56E-64	1.85E-63	0.173457	chr20_566	sig	hyper
chr20	56924401	56924600	*	1.80E-97	1.37E-96	0.190484	chr20_569	sig	hyper
chr20	56925401	56925600	*	2.24E-308	1.34E-306	0.23685	chr20_569	sig	hyper
chr20	56926001	56926200	*	1.11E-155	1.56E-154	0.20651	chr20_569	sig	hyper
chr20	57261001	57261200	*	3.05E-42	1.18E-41	0.143754	chr20_572	sig	hyper
chr20	57267201	57267400	*	1.59E-20	3.92E-20	0.101625	chr20_572	sig	hyper
chr20	58514801	58515000	*	6.17E-89	4.28E-88	0.1866	chr20_585	sig	hyper
chr20	58515201	58515400	*	1.76E-27	5.15E-27	0.119172	chr20_585	sig	hyper
chr20	58839801	58840000	*	5.75E-20	1.40E-19	0.125161	chr20_588	sig	hyper
chr20	58840001	58840200	*	8.46E-54	3.86E-53	0.111777	chr20_588	sig	hyper
chr20	58840201	58840400	*	2.96E-51	1.30E-50	0.13776	chr20_588	sig	hyper
chr20	58841801	58842000	*	2.60E-66	1.40E-65	0.184434	chr20_588	sig	hyper
chr20	58855201	58855400	*	8.40E-25	2.32E-24	0.113997	chr20_588	sig	hyper
chr20	59011201	59011400	*	6.48E-133	7.27E-132	-0.26213	chr20_590	sig	hypo
chr20	59043401	59043600	*	8.74E-114	7.98E-113	-0.26397	chr20_590	sig	hypo
chr20	60087401	60087600	*	3.26E-35	1.12E-34	0.175322	chr20_600	sig	hyper
chr20	60087801	60088000	*	3.91E-81	2.50E-80	0.206215	chr20_600	sig	hyper
chr20	60970801	60971000	*	5.45E-29	1.65E-28	-0.12005	chr20_609	sig	hypo
chr20	61313401	61313600	*	7.58E-30	2.34E-29	-0.11202	chr20_613	sig	hypo
chr20	61885001	61885200	*	5.93E-53	2.68E-52	-0.17229	chr20_618	sig	hypo
chr20	62216601	62216800	*	1.05E-34	3.57E-34	-0.18177	chr20_622	sig	hypo
chr20	62220801	62221000	*	3.21E-55	1.50E-54	0.132353	chr20_622	sig	hyper
chr20	62310801	62311000	*	5.44E-190	1.07E-188	-0.30081	chr20_623	sig	hypo
chr20	62311001	62311200	*	1.64E-115	1.53E-114	-0.15959	chr20_623	sig	hypo
chr20	62314401	62314600	*	3.53E-46	1.45E-45	-0.10525	chr20_623	sig	hypo
chr20	62330801	62331000	*	4.01E-103	3.26E-102	-0.15136	chr20_623	sig	hypo
chr20	62364201	62364400	*	3.90E-18	9.03E-18	-0.11036	chr20_623	sig	hypo
chr20	62378201	62378400	*	1.08E-43	4.27E-43	-0.1608	chr20_623	sig	hypo
chr20	62463801	62464000	*	4.23E-26	1.20E-25	-0.11153	chr20_624	sig	hypo
chr20	62474801	62475000	*	1.00E-112	9.03E-112	0.182614	chr20_624	sig	hyper
chr20	62476201	62476400	*	4.24E-252	1.53E-250	0.206248	chr20_624	sig	hyper
chr20	62476601	62476800	*	6.90E-118	6.60E-117	0.168771	chr20_624	sig	hyper
chr20	62551601	62551800	*	1.62E-54	7.49E-54	0.119201	chr20_625	sig	hyper
chr20	62564001	62564200	*	1.86E-30	5.83E-30	-0.11701	chr20_625	sig	hypo

chr20	62565001	62565200	*	8.34E-34	2.79E-33	-0.11494	chr20_625	sig	hypo
chr20	62710601	62710800	*	8.12E-55	3.77E-54	-0.16707	chr20_627	sig	hypo
chr20	62711801	62712000	*	1.99E-137	2.34E-136	-0.21462	chr20_627	sig	hypo
chr20	62740001	62740200	*	3.72E-63	1.91E-62	-0.18546	chr20_627	sig	hypo
chr20	62740201	62740400	*	3.57E-77	2.18E-76	-0.23013	chr20_627	sig	hypo
chr20	62774201	62774400	*	7.92E-93	5.73E-92	-0.20294	chr20_627	sig	hypo
chr20	62841801	62842000	*	2.09E-23	5.56E-23	-0.12542	chr20_628	sig	hypo
chr20	62887601	62887800	*	9.66E-31	3.05E-30	0.131354	chr20_628	sig	hyper
chr20	63004801	63005000	*	1.38E-43	5.45E-43	0.130248	chr20_630	sig	hyper
chr20	63006001	63006200	*	4.21E-206	9.72E-205	0.166901	chr20_630	sig	hyper
chr20	63006201	63006400	*	1.25E-74	7.37E-74	0.122093	chr20_630	sig	hyper
chr20	63007001	63007200	*	5.31E-105	4.41E-104	0.24357	chr20_630	sig	hyper
chr20	63007201	63007400	*	2.69E-216	6.75E-215	0.308304	chr20_630	sig	hyper
chr20	63025801	63026000	*	5.78E-41	2.19E-40	-0.11455	chr20_630	sig	hypo
chr20	63044201	63044400	*	1.02E-66	5.47E-66	-0.17302	chr20_630	sig	hypo
chr20	63047601	63047800	*	2.15E-64	1.12E-63	-0.14968	chr20_630	sig	hypo
chr20	63064201	63064400	*	4.38E-60	2.17E-59	-0.15878	chr20_630	sig	hypo
chr20	63123401	63123600	*	2.51E-46	1.03E-45	-0.12193	chr20_631	sig	hypo
chr20	63123601	63123800	*	4.48E-77	2.73E-76	-0.18251	chr20_631	sig	hypo
chr20	63178001	63178200	*	4.93E-114	4.52E-113	0.145572	chr20_631	sig	hyper
chr20	63178401	63178600	*	3.15E-292	1.62E-290	0.193067	chr20_631	sig	hyper
chr20	63191001	63191200	*	1.03E-30	3.26E-30	-0.12356	chr20_631	sig	hypo
chr20	63239601	63239800	*	1.20E-53	5.47E-53	-0.15011	chr20_632	sig	hypo
chr20	63244801	63245000	*	1.91E-111	1.70E-110	-0.22502	chr20_632	sig	hypo
chr20	63254801	63255000	*	9.43E-120	9.19E-119	0.19282	chr20_632	sig	hyper
chr20	63319401	63319600	*	5.11E-78	3.14E-77	-0.18162	chr20_633	sig	hypo
chr20	63342801	63343000	*	6.19E-46	2.53E-45	-0.1107	chr20_633	sig	hypo
chr20	63361001	63361200	*	1.42E-205	3.28E-204	0.271395	chr20_633	sig	hyper
chr20	63406201	63406400	*	1.64E-53	7.47E-53	-0.15874	chr20_634	sig	hypo
chr20	63467801	63468000	*	8.49E-21	2.11E-20	-0.12244	chr20_634	sig	hypo
chr20	63472201	63472400	*	2.35E-83	1.54E-82	0.125328	chr20_634	sig	hyper
chr20	63494801	63495000	*	0	0	-0.33197	chr20_634	sig	hypo
chr20	63521801	63522000	*	4.19E-49	1.80E-48	0.154885	chr20_635	sig	hyper
chr20	63547001	63547200	*	8.85E-79	5.51E-78	-0.147	chr20_635	sig	hypo
chr20	63547401	63547600	*	5.91E-52	2.63E-51	-0.13891	chr20_635	sig	hypo
chr20	63580801	63581000	*	1.72E-88	1.19E-87	-0.14187	chr20_635	sig	hypo
chr20	63657801	63658000	*	8.72E-15	1.81E-14	0.108103	chr20_636	sig	hyper
chr20	63682201	63682400	*	3.79E-41	1.44E-40	0.102736	chr20_636	sig	hyper
chr20	63689601	63689800	*	4.33E-35	1.48E-34	-0.13642	chr20_636	sig	hypo
chr20	63690001	63690200	*	2.52E-67	1.37E-66	-0.22638	chr20_636	sig	hypo
chr20	63745601	63745800	*	5.58E-48	2.35E-47	-0.14375	chr20_637	sig	hypo
chr20	63775001	63775200	*	8.91E-69	4.92E-68	0.136213	chr20_637	sig	hyper
chr20	63824001	63824200	*	6.37E-44	2.53E-43	-0.16731	chr20_638	sig	hypo
chr20	64053001	64053200	*	1.64E-197	3.44E-196	-0.36316	chr20_640	sig	hypo
chr20	64057201	64057400	*	3.06E-95	2.27E-94	-0.13434	chr20_640	sig	hypo
chr20	64062601	64062800	*	1.07E-45	4.34E-45	0.120006	chr20_640	sig	hyper
chr20	64178801	64179000	*	5.55E-30	1.72E-29	-0.11563	chr20_641	sig	hypo
chr21	8213201	8213400	*	9.03E-22	2.30E-21	0.115212	chr21_821	sig	hyper
chr21	13979601	13979800	*	4.24E-32	1.38E-31	0.108592	chr21_139	sig	hyper
chr21	13979801	13980000	*	4.47E-20	1.09E-19	0.108462	chr21_139	sig	hyper
chr21	18244601	18244800	*	5.57E-65	2.94E-64	0.189583	chr21_182	sig	hyper
chr21	18244801	18245000	*	7.15E-180	1.26E-178	0.329933	chr21_182	sig	hyper
chr21	18245601	18245800	*	2.08E-70	1.17E-69	0.215888	chr21_182	sig	hyper
chr21	25639801	25640000	*	3.59E-65	1.90E-64	0.100942	chr21_256	sig	hyper
chr21	26845201	26845400	*	8.13E-113	7.35E-112	0.230801	chr21_268	sig	hyper
chr21	26967001	26967200	*	0	0	0.360646	chr21_269	sig	hyper

chr21	26967601	26967800	*	2.77E-226	7.71E-225	0.257794	chr21_269	sig	hyper
chr21	26967801	26968000	*	4.07E-268	1.67E-266	0.271053	chr21_269	sig	hyper
chr21	29298001	29298200	*	7.25E-75	4.31E-74	-0.21094	chr21_292	sig	hypo
chr21	31557401	31557600	*	1.35E-19	3.26E-19	0.101864	chr21_315	sig	hyper
chr21	33020001	33020200	*	9.78E-119	9.44E-118	0.204155	chr21_330	sig	hyper
chr21	33020401	33020600	*	1.91E-69	1.06E-68	0.146651	chr21_330	sig	hyper
chr21	33024001	33024200	*	3.97E-58	1.92E-57	0.202465	chr21_330	sig	hyper
chr21	33024601	33024800	*	8.17E-163	1.23E-161	0.205537	chr21_330	sig	hyper
chr21	33025401	33025600	*	1.16E-143	1.45E-142	0.245803	chr21_330	sig	hyper
chr21	33025801	33026000	*	1.97E-274	8.49E-273	0.319809	chr21_330	sig	hyper
chr21	33026401	33026600	*	3.59E-77	2.19E-76	0.211477	chr21_330	sig	hyper
chr21	33027001	33027200	*	3.25E-203	7.29E-202	0.263452	chr21_330	sig	hyper
chr21	33029401	33029600	*	1.66E-24	4.56E-24	0.114863	chr21_330	sig	hyper
chr21	33071801	33072000	*	4.57E-188	8.80E-187	0.185217	chr21_330	sig	hyper
chr21	33072001	33072200	*	0	0	0.142932	chr21_330	sig	hyper
chr21	33109601	33109800	*	5.79E-30	1.79E-29	0.126429	chr21_331	sig	hyper
chr21	33402401	33402600	*	5.40E-15	1.13E-14	-0.13965	chr21_334	sig	hypo
chr21	35026801	35027000	*	9.80E-296	5.15E-294	0.135282	chr21_350	sig	hyper
chr21	36694601	36694800	*	1.55E-66	8.33E-66	0.206804	chr21_366	sig	hyper
chr21	36697001	36697200	*	1.37E-231	4.07E-230	0.282065	chr21_366	sig	hyper
chr21	36697601	36697800	*	1.50E-157	2.15E-156	0.201642	chr21_366	sig	hyper
chr21	36705201	36705400	*	4.61E-140	5.55E-139	0.333389	chr21_367	sig	hyper
chr21	36706601	36706800	*	1.32E-30	4.16E-30	0.10588	chr21_367	sig	hyper
chr21	36708601	36708800	*	5.99E-63	3.07E-62	0.151811	chr21_367	sig	hyper
chr21	36708801	36709000	*	1.04E-190	2.07E-189	0.100592	chr21_367	sig	hyper
chr21	36710801	36711000	*	1.86E-79	1.16E-78	0.127021	chr21_367	sig	hyper
chr21	37006001	37006200	*	2.76E-133	3.12E-132	0.293038	chr21_370	sig	hyper
chr21	37006201	37006400	*	1.52E-44	6.07E-44	0.152585	chr21_370	sig	hyper
chr21	37567001	37567200	*	1.29E-68	7.10E-68	-0.22776	chr21_375	sig	hypo
chr21	40841601	40841800	*	1.20E-72	6.93E-72	0.136089	chr21_408	sig	hyper
chr21	41248001	41248200	*	1.87E-32	6.10E-32	-0.11544	chr21_412	sig	hypo
chr21	41762801	41763000	*	4.34E-42	1.67E-41	0.119856	chr21_417	sig	hyper
chr21	41765401	41765600	*	2.13E-94	1.56E-93	-0.18965	chr21_417	sig	hypo
chr21	42022001	42022200	*	7.48E-42	2.87E-41	-0.16126	chr21_420	sig	hypo
chr21	42309401	42309600	*	1.72E-49	7.43E-49	-0.12855	chr21_423	sig	hypo
chr21	42316801	42317000	*	6.59E-24	1.78E-23	-0.11256	chr21_423	sig	hypo
chr21	42653001	42653200	*	1.29E-35	4.45E-35	-0.10218	chr21_426	sig	hypo
chr21	43940801	43941000	*	1.67E-107	1.42E-106	0.228547	chr21_439	sig	hyper
chr21	44285201	44285400	*	2.66E-58	1.29E-57	-0.16969	chr21_442	sig	hypo
chr21	44290201	44290400	*	1.74E-45	7.08E-45	-0.11292	chr21_442	sig	hypo
chr21	44558001	44558200	*	9.54E-15	1.98E-14	-0.1206	chr21_445	sig	hypo
chr21	44657601	44657800	*	5.05E-37	1.78E-36	-0.13155	chr21_446	sig	hypo
chr21	44666601	44666800	*	1.00E-28	3.01E-28	-0.147	chr21_446	sig	hypo
chr21	44900801	44901000	*	3.70E-32	1.20E-31	-0.11532	chr21_449	sig	hypo
chr21	44903801	44904000	*	3.64E-48	1.54E-47	-0.12846	chr21_449	sig	hypo
chr21	44904001	44904200	*	9.13E-64	4.72E-63	-0.13992	chr21_449	sig	hypo
chr21	44936801	44937000	*	6.18E-20	1.50E-19	-0.12164	chr21_449	sig	hypo
chr21	44994601	44994800	*	1.88E-178	3.29E-177	-0.2029	chr21_449	sig	hypo
chr21	45004601	45004800	*	4.70E-52	2.09E-51	-0.15669	chr21_450	sig	hypo
chr21	45257801	45258000	*	3.95E-100	3.10E-99	-0.19922	chr21_452	sig	hypo
chr21	45286601	45286800	*	1.65E-43	6.50E-43	0.115627	chr21_452	sig	hyper
chr21	45286801	45287000	*	3.65E-185	6.77E-184	0.166402	chr21_452	sig	hyper
chr21	45303201	45303400	*	1.30E-101	1.04E-100	-0.23199	chr21_453	sig	hypo
chr21	45456401	45456600	*	6.41E-37	2.26E-36	-0.11094	chr21_454	sig	hypo
chr21	45642601	45642800	*	2.18E-73	1.27E-72	0.256768	chr21_456	sig	hyper
chr21	45978601	45978800	*	1.82E-27	5.34E-27	-0.1275	chr21_459	sig	hypo

chr21	46036401	46036600	*	9.32E-64	4.82E-63	0.110123	chr21_460	sig	hyper
chr21	46155401	46155600	*	5.09E-31	1.61E-30	-0.1009	chr21_461	sig	hypo
chr21	46284201	46284400	*	9.47E-28	2.79E-27	-0.11659	chr21_462	sig	hypo
chr21	46296401	46296600	*	1.34E-181	2.40E-180	0.232631	chr21_462	sig	hyper
chr21	46296601	46296800	*	2.79E-201	6.13E-200	0.335805	chr21_462	sig	hyper
chr21	46298001	46298200	*	2.62E-215	6.50E-214	0.106512	chr21_462	sig	hyper
chr21	46325601	46325800	*	2.92E-65	1.54E-64	-0.16972	chr21_463	sig	hypo
chr21	46598801	46599000	*	9.07E-59	4.43E-58	-0.1232	chr21_465	sig	hypo
chr21	46661201	46661400	*	4.61E-42	1.78E-41	0.155914	chr21_466	sig	hyper
chr21	46661601	46661800	*	1.11E-35	3.84E-35	0.10344	chr21_466	sig	hyper
chr22	16601001	16601200	*	1.42E-121	1.41E-120	0.220205	chr22_166	sig	hyper
chr22	16602401	16602600	*	1.53E-286	7.34E-285	0.257038	chr22_166	sig	hyper
chr22	16602601	16602800	*	1.62E-290	8.25E-289	0.270652	chr22_166	sig	hyper
chr22	16602801	16603000	*	3.05E-81	1.96E-80	0.240036	chr22_166	sig	hyper
chr22	17370601	17370800	*	3.12E-281	1.43E-279	0.177109	chr22_173	sig	hyper
chr22	17370801	17371000	*	5.73E-162	8.56E-161	0.267614	chr22_173	sig	hyper
chr22	17785201	17785400	*	2.78E-101	2.22E-100	-0.14385	chr22_177	sig	hypo
chr22	17842601	17842800	*	1.04E-50	4.57E-50	-0.17095	chr22_178	sig	hypo
chr22	18111401	18111600	*	1.03E-42	4.00E-42	0.142975	chr22_181	sig	hyper
chr22	19029201	19029400	*	3.71E-59	1.82E-58	0.161526	chr22_190	sig	hyper
chr22	19149201	19149400	*	1.08E-159	1.58E-158	0.237257	chr22_191	sig	hyper
chr22	19524401	19524600	*	3.68E-56	1.73E-55	0.126017	chr22_195	sig	hyper
chr22	19754801	19755000	*	2.38E-44	9.48E-44	0.119403	chr22_197	sig	hyper
chr22	19765201	19765400	*	2.08E-48	8.82E-48	0.151845	chr22_197	sig	hyper
chr22	19892001	19892200	*	2.61E-200	5.65E-199	-0.29049	chr22_198	sig	hypo
chr22	19937601	19937800	*	5.98E-115	5.53E-114	-0.32105	chr22_199	sig	hypo
chr22	20139601	20139800	*	1.28E-35	4.42E-35	-0.15897	chr22_201	sig	hypo
chr22	20323001	20323200	*	3.28E-54	1.51E-53	-0.1929	chr22_203	sig	hypo
chr22	20425201	20425400	*	1.07E-35	3.71E-35	0.151015	chr22_204	sig	hyper
chr22	20438201	20438400	*	2.39E-73	1.39E-72	0.187832	chr22_204	sig	hyper
chr22	21632601	21632800	*	5.14E-49	2.20E-48	-0.15426	chr22_216	sig	hypo
chr22	22520201	22520400	*	1.01E-97	7.73E-97	-0.24277	chr22_225	sig	hypo
chr22	23264201	23264400	*	1.63E-41	6.22E-41	-0.12971	chr22_232	sig	hypo
chr22	23573201	23573400	*	2.49E-70	1.40E-69	-0.21126	chr22_235	sig	hypo
chr22	23763401	23763600	*	1.88E-37	6.71E-37	0.155539	chr22_237	sig	hyper
chr22	24415201	24415400	*	4.64E-20	1.13E-19	-0.10601	chr22_244	sig	hypo
chr22	24427401	24427600	*	0.00E+00	0.00E+00	-0.3	chr22_244	sig	hypo
chr22	24494201	24494400	*	4.88E-11	8.80E-11	0.105	chr22_244	sig	hyper
chr22	24603201	24603400	*	1.90E-64	9.95E-64	-0.16924	chr22_246	sig	hypo
chr22	24685801	24686000	*	1.90E-29	5.81E-29	0.146827	chr22_246	sig	hyper
chr22	27678001	27678200	*	8.72E-69	4.82E-68	0.145179	chr22_276	sig	hyper
chr22	27802401	27802600	*	6.95E-196	1.44E-194	0.114307	chr22_278	sig	hyper
chr22	27804401	27804600	*	8.82E-87	5.97E-86	-0.18828	chr22_278	sig	hypo
chr22	29479801	29480000	*	1.11E-22	2.90E-22	0.157467	chr22_294	sig	hyper
chr22	29581801	29582000	*	1.84E-24	5.04E-24	-0.16649	chr22_295	sig	hypo
chr22	30080401	30080600	*	3.29E-140	3.96E-139	0.186872	chr22_300	sig	hyper
chr22	30566201	30566400	*	3.75E-29	1.14E-28	-0.13216	chr22_305	sig	hypo
chr22	30922201	30922400	*	1.65E-169	2.68E-168	0.145999	chr22_309	sig	hyper
chr22	31618401	31618600	*	4.96E-156	7.01E-155	0.253757	chr22_316	sig	hyper
chr22	36703001	36703200	*	2.58E-49	1.11E-48	0.137063	chr22_367	sig	hyper
chr22	37024201	37024400	*	1.53E-77	9.34E-77	-0.21188	chr22_370	sig	hypo
chr22	37103401	37103600	*	1.82E-78	1.13E-77	-0.18838	chr22_371	sig	hypo
chr22	37330601	37330800	*	1.39E-38	5.05E-38	-0.13412	chr22_373	sig	hypo
chr22	37334801	37335000	*	7.62E-34	2.55E-33	0.117579	chr22_373	sig	hyper
chr22	38214401	38214600	*	2.12E-64	1.11E-63	0.111047	chr22_382	sig	hyper
chr22	38412401	38412600	*	9.43E-59	4.60E-58	-0.16238	chr22_384	sig	hypo

chr22	38429801	38430000	*	1.01E-16	2.23E-16	0.130438	chr22_384	sig	hyper
chr22	38957601	38957800	*	7.27E-47	3.01E-46	-0.15087	chr22_389	sig	hypo
chr22	39231601	39231800	*	3.18E-149	4.23E-148	-0.11208	chr22_392	sig	hypo
chr22	39317001	39317200	*	6.53E-52	2.90E-51	-0.15138	chr22_393	sig	hypo
chr22	39374401	39374600	*	0	0	-0.28824	chr22_393	sig	hypo
chr22	39381601	39381800	*	6.12E-78	3.76E-77	-0.18126	chr22_393	sig	hypo
chr22	39456801	39457000	*	6.93E-26	1.96E-25	0.153541	chr22_394	sig	hyper
chr22	39558201	39558400	*	3.21E-56	1.51E-55	0.185116	chr22_395	sig	hyper
chr22	39646601	39646800	*	7.30E-166	1.14E-164	-0.24454	chr22_396	sig	hypo
chr22	39999201	39999400	*	4.30E-21	1.07E-20	-0.10724	chr22_399	sig	hypo
chr22	40679601	40679800	*	5.40E-41	2.04E-40	0.197622	chr22_406	sig	hyper
chr22	42364601	42364800	*	9.75E-35	3.32E-34	0.154707	chr22_423	sig	hyper
chr22	42858001	42858200	*	1.50E-60	7.45E-60	-0.15969	chr22_428	sig	hypo
chr22	43085801	43086000	*	1.06E-24	2.92E-24	-0.11855	chr22_430	sig	hypo
chr22	43223601	43223800	*	5.40E-19	1.28E-18	-0.1058	chr22_432	sig	hypo
chr22	43862801	43863000	*	4.62E-57	2.20E-56	0.12089	chr22_438	sig	hyper
chr22	44172401	44172600	*	3.41E-69	1.90E-68	-0.15889	chr22_441	sig	hypo
chr22	44313601	44313800	*	1.81E-28	5.40E-28	-0.13347	chr22_443	sig	hypo
chr22	44729401	44729600	*	1.84E-59	9.02E-59	0.105854	chr22_447	sig	hyper
chr22	44729601	44729800	*	5.09E-22	1.30E-21	0.122807	chr22_447	sig	hyper
chr22	45009001	45009200	*	1.08E-74	6.38E-74	0.134432	chr22_450	sig	hyper
chr22	45162401	45162600	*	4.65E-60	2.30E-59	-0.27783	chr22_451	sig	hypo
chr22	45212801	45213000	*	3.99E-27	1.16E-26	0.112281	chr22_452	sig	hyper
chr22	45263801	45264000	*	1.50E-21	3.80E-21	-0.15298	chr22_452	sig	hypo
chr22	45309001	45309200	*	5.24E-116	4.91E-115	-0.17089	chr22_453	sig	hypo
chr22	45309201	45309400	*	2.11E-26	6.05E-26	-0.12768	chr22_453	sig	hypo
chr22	45310601	45310800	*	3.02E-90	2.13E-89	0.172363	chr22_453	sig	hyper
chr22	45646001	45646200	*	5.00E-15	1.05E-14	-0.11108	chr22_456	sig	hypo
chr22	45867601	45867800	*	1.08E-49	4.69E-49	0.142673	chr22_458	sig	hyper
chr22	45884201	45884400	*	8.81E-71	4.99E-70	-0.19643	chr22_458	sig	hypo
chr22	45889601	45889800	*	9.53E-50	4.12E-49	0.194375	chr22_458	sig	hyper
chr22	45889801	45890000	*	6.67E-84	4.40E-83	0.209814	chr22_458	sig	hyper
chr22	45890001	45890200	*	2.01E-119	1.95E-118	0.195656	chr22_458	sig	hyper
chr22	45922801	45923000	*	6.93E-127	7.29E-126	-0.15648	chr22_459	sig	hypo
chr22	45934801	45935000	*	1.22E-48	5.21E-48	-0.13323	chr22_459	sig	hypo
chr22	45968401	45968600	*	8.57E-58	4.12E-57	-0.11597	chr22_459	sig	hypo
chr22	45971601	45971800	*	6.16E-69	3.42E-68	0.104202	chr22_459	sig	hyper
chr22	46030201	46030400	*	6.62E-33	2.18E-32	-0.15096	chr22_460	sig	hypo
chr22	46076601	46076800	*	0	0	-0.35149	chr22_460	sig	hypo
chr22	46077201	46077400	*	9.86E-134	1.12E-132	-0.26434	chr22_460	sig	hypo
chr22	46077601	46077800	*	4.69E-56	2.21E-55	-0.19879	chr22_460	sig	hypo
chr22	46081801	46082000	*	4.16E-87	2.82E-86	-0.15106	chr22_460	sig	hypo
chr22	46085001	46085200	*	0	0	-0.33167	chr22_460	sig	hypo
chr22	46085201	46085400	*	1.65E-163	2.50E-162	-0.27439	chr22_460	sig	hypo
chr22	46268401	46268600	*	1.50E-41	5.74E-41	-0.14043	chr22_462	sig	hypo
chr22	46375201	46375400	*	1.57E-18	3.67E-18	-0.10644	chr22_463	sig	hypo
chr22	46390801	46391000	*	2.75E-167	4.33E-166	-0.3352	chr22_463	sig	hypo
chr22	46685801	46686000	*	2.40E-57	1.15E-56	-0.11373	chr22_466	sig	hypo
chr22	46686001	46686200	*	7.42E-54	3.39E-53	-0.1036	chr22_466	sig	hypo
chr22	48396801	48397000	*	3.91E-96	2.94E-95	-0.20609	chr22_483	sig	hypo
chr22	49620001	49620200	*	1.41E-53	6.40E-53	-0.14046	chr22_496	sig	hypo
chr22	49669001	49669200	*	1.17E-47	4.93E-47	-0.1426	chr22_496	sig	hypo
chr22	49670201	49670400	*	8.90E-156	1.25E-154	0.182401	chr22_496	sig	hyper
chr22	49671201	49671400	*	8.62E-263	3.38E-261	0.228442	chr22_496	sig	hyper
chr22	49846001	49846200	*	8.13E-25	2.25E-24	-0.1039	chr22_498	sig	hypo
chr22	49930401	49930600	*	5.53E-102	4.44E-101	-0.18703	chr22_499	sig	hypo

chr22	49999801	50000000	*	8.39E-26	2.37E-25	0.10272	chr22_499	sig	hyper
chr22	50017201	50017400	*	5.86E-54	2.68E-53	-0.13601	chr22_500	sig	hypo
chr22	50031601	50031800	*	9.16E-113	8.26E-112	-0.23796	chr22_500	sig	hypo
chr22	50039801	50040000	*	6.14E-31	1.94E-30	-0.10101	chr22_500	sig	hypo
chr22	50045001	50045200	*	1.16E-102	9.42E-102	-0.16222	chr22_500	sig	hypo
chr22	50281801	50282000	*	8.82E-185	1.63E-183	-0.17586	chr22_502	sig	hypo
chr22	50447001	50447200	*	9.30E-106	7.77E-105	-0.16916	chr22_504	sig	hypo
chr22	50447201	50447400	*	1.52E-59	7.46E-59	-0.18766	chr22_504	sig	hypo
chr22	50461201	50461400	*	3.53E-17	7.94E-17	-0.11692	chr22_504	sig	hypo
chr22	50485401	50485600	*	4.38E-263	1.72E-261	-0.31844	chr22_504	sig	hypo
chr22	50578401	50578600	*	6.79E-41	2.57E-40	0.145966	chr22_505	sig	hyper

Table S7 Differentially methylated regions between colorectal cancer and normal contorls

chr	start	end	strand	pvalue	qvalue	meth.diff	loc	sig	status
chr1	913001	913200	*	7.128E-34	1.44E-33	-0.18846	chr1_913001_913200	sig	hypo
chr1	919401	919600	*	1.024E-44	2.505E-44	-0.12484	chr1_919401_919600	sig	hypo
chr1	920001	920200	*	4.316E-76	1.694E-75	-0.20568	chr1_920001_920200	sig	hypo
chr1	920201	920400	*	3.855E-32	7.52E-32	-0.11366	chr1_920201_920400	sig	hypo
chr1	929401	929600	*	1.231E-78	5.016E-78	-0.22457	chr1_929401_929600	sig	hypo
chr1	929601	929800	*	3.984E-42	9.336E-42	-0.17309	chr1_929601_929800	sig	hypo
chr1	937001	937200	*	2.325E-29	4.289E-29	-0.19041	chr1_937001_937200	sig	hypo
chr1	939201	939400	*	2.79E-150	3E-149	-0.3134	chr1_939201_939400	sig	hypo
chr1	959601	959800	*	3.849E-26	6.654E-26	0.108398	chr1_959601_959800	sig	hyper
chr1	981801	982000	*	7.675E-51	2.071E-50	-0.26042	chr1_981801_982000	sig	hypo
chr1	1006801	1007000	*	3.25E-263	1.52E-261	-0.42154	chr1_1006801_1007000	sig	hypo
chr1	1007001	1007200	*	6.74E-254	2.82E-252	-0.37514	chr1_1007001_1007200	sig	hypo
chr1	1007201	1007400	*	7.54E-270	3.91E-268	-0.32183	chr1_1007201_1007400	sig	hypo
chr1	1014201	1014400	*	6.833E-13	8.272E-13	-0.10106	chr1_1014201_1014400	sig	hypo
chr1	1022801	1023000	*	4.492E-20	6.703E-20	-0.10095	chr1_1022801_1023000	sig	hypo
chr1	1048801	1049000	*	3.912E-11	4.433E-11	-0.10225	chr1_1048801_1049000	sig	hypo
chr1	1060801	1061000	*	8.079E-29	1.475E-28	-0.22559	chr1_1060801_1061000	sig	hypo
chr1	1065401	1065600	*	1.185E-29	2.2E-29	-0.15118	chr1_1065401_1065600	sig	hypo
chr1	1070001	1070200	*	3.017E-56	8.897E-56	-0.20293	chr1_1070001_1070200	sig	hypo
chr1	1110001	1110200	*	1.502E-59	4.645E-59	-0.19068	chr1_1110001_1110200	sig	hypo
chr1	1127401	1127600	*	3.538E-90	1.69E-89	-0.28089	chr1_1127401_1127600	sig	hypo
chr1	1130401	1130600	*	3.523E-35	7.309E-35	-0.17741	chr1_1130401_1130600	sig	hypo
chr1	1130601	1130800	*	5.238E-31	9.995E-31	-0.14642	chr1_1130601_1130800	sig	hypo
chr1	1131601	1131800	*	7.007E-52	1.922E-51	-0.13809	chr1_1131601_1131800	sig	hypo
chr1	1140801	1141000	*	1.737E-41	4.028E-41	0.136167	chr1_1140801_1141000	sig	hyper
chr1	1161601	1161800	*	1.369E-10	1.52E-10	-0.11723	chr1_1161601_1161800	sig	hypo
chr1	1162801	1163000	*	2.016E-38	4.435E-38	-0.17498	chr1_1162801_1163000	sig	hypo
chr1	1164601	1164800	*	2.606E-52	7.191E-52	-0.13323	chr1_1164601_1164800	sig	hypo
chr1	1165001	1165200	*	2.12E-177	3.24E-176	-0.24377	chr1_1165001_1165200	sig	hypo
chr1	1165801	1166000	*	9.247E-38	2.014E-37	-0.18887	chr1_1165801_1166000	sig	hypo
chr1	1166001	1166200	*	1.303E-74	5.001E-74	-0.23088	chr1_1166001_1166200	sig	hypo
chr1	1167801	1168000	*	1.803E-23	2.924E-23	-0.10876	chr1_1167801_1168000	sig	hypo
chr1	1174201	1174400	*	5.92E-45	1.452E-44	0.159333	chr1_1174201_1174400	sig	hyper
chr1	1200001	1200200	*	4.248E-54	1.21E-53	-0.21566	chr1_1200001_1200200	sig	hypo
chr1	1209201	1209400	*	1.823E-22	2.885E-22	-0.12628	chr1_1209201_1209400	sig	hypo
chr1	1210201	1210400	*	2.935E-51	7.961E-51	-0.15345	chr1_1210201_1210400	sig	hypo
chr1	1210401	1210600	*	2.383E-21	3.666E-21	-0.10332	chr1_1210401_1210600	sig	hypo
chr1	1211401	1211600	*	6.535E-37	1.401E-36	-0.16951	chr1_1211401_1211600	sig	hypo
chr1	1244401	1244600	*	7.395E-10	7.955E-10	-0.12526	chr1_1244401_1244600	sig	hypo
chr1	1279201	1279400	*	3.834E-34	7.792E-34	-0.13524	chr1_1279201_1279400	sig	hypo
chr1	1315801	1316000	*	3.499E-67	1.21E-66	0.217272	chr1_1315801_1316000	sig	hyper
chr1	1333001	1333200	*	3.36E-67	1.162E-66	-0.27361	chr1_1333001_1333200	sig	hypo
chr1	1354201	1354400	*	7.334E-36	1.538E-35	-0.20873	chr1_1354201_1354400	sig	hypo
chr1	1354401	1354600	*	5.158E-46	1.287E-45	-0.17845	chr1_1354401_1354600	sig	hypo
chr1	1354801	1355000	*	1.534E-42	3.618E-42	-0.17125	chr1_1354801_1355000	sig	hypo
chr1	1357201	1357400	*	3.28E-177	4.99E-176	0.326788	chr1_1357201_1357400	sig	hyper
chr1	1419801	1420000	*	3.19E-135	2.76E-134	0.326164	chr1_1419801_1420000	sig	hyper
chr1	1430801	1431000	*	2.681E-42	6.3E-42	0.248283	chr1_1430801_1431000	sig	hyper
chr1	1434201	1434400	*	3.361E-26	5.815E-26	0.154936	chr1_1434201_1434400	sig	hyper
chr1	1436401	1436600	*	3.443E-83	1.493E-82	0.267239	chr1_1436401_1436600	sig	hyper
chr1	1442001	1442200	*	1.963E-32	3.854E-32	0.149872	chr1_1442001_1442200	sig	hyper
chr1	1445201	1445400	*	1.99E-56	5.88E-56	-0.15296	chr1_1445201_1445400	sig	hypo
chr1	1448601	1448800	*	6.429E-57	1.913E-56	-0.21118	chr1_1448601_1448800	sig	hypo

chr1	1454401	1454600	*	7.523E-50	2.002E-49	0.132148	chr1_1454401_1454600	sig	hyper
chr1	1455601	1455800	*	4.202E-25	7.079E-25	-0.12606	chr1_1455601_1455800	sig	hypo
chr1	1460601	1460800	*	1.284E-48	3.352E-48	-0.2061	chr1_1460601_1460800	sig	hypo
chr1	1460801	1461000	*	2.179E-22	3.444E-22	-0.15847	chr1_1460801_1461000	sig	hypo
chr1	1539601	1539800	*	2.26E-259	1.01E-257	0.430309	chr1_1539601_1539800	sig	hyper
chr1	1599001	1599200	*	2.241E-54	6.408E-54	0.211526	chr1_1599001_1599200	sig	hyper
chr1	1630401	1630600	*	1.139E-67	3.967E-67	0.108425	chr1_1630401_1630600	sig	hyper
chr1	1631601	1631800	*	1.699E-42	4.004E-42	0.19374	chr1_1631601_1631800	sig	hyper
chr1	1678001	1678200	*	1.289E-26	2.253E-26	-0.14587	chr1_1678001_1678200	sig	hypo
chr1	1679201	1679400	*	1.896E-46	4.774E-46	-0.18928	chr1_1679201_1679400	sig	hypo
chr1	1758801	1759000	*	4.734E-40	1.071E-39	-0.2527	chr1_1758801_1759000	sig	hypo
chr1	1923801	1924000	*	2.667E-17	3.685E-17	-0.11378	chr1_1923801_1924000	sig	hypo
chr1	1924601	1924800	*	2.048E-46	5.156E-46	-0.19011	chr1_1924601_1924800	sig	hypo
chr1	1924801	1925000	*	1.386E-19	2.04E-19	-0.13236	chr1_1924801_1925000	sig	hypo
chr1	1942001	1942200	*	9.963E-84	4.352E-83	-0.32681	chr1_1942001_1942200	sig	hypo
chr1	1942201	1942400	*	1.665E-36	3.542E-36	-0.18322	chr1_1942201_1942400	sig	hypo
chr1	1956801	1957000	*	9.642E-69	3.408E-68	-0.17284	chr1_1956801_1957000	sig	hypo
chr1	1963601	1963800	*	1.938E-83	8.431E-83	-0.21638	chr1_1963601_1963800	sig	hypo
chr1	1965001	1965200	*	1.54E-116	1.05E-115	-0.2134	chr1_1965001_1965200	sig	hypo
chr1	1966401	1966600	*	6.296E-40	1.421E-39	0.170523	chr1_1966401_1966600	sig	hyper
chr1	2014801	2015000	*	4.388E-54	1.249E-53	-0.15115	chr1_2014801_2015000	sig	hypo
chr1	2025801	2026000	*	8.026E-40	1.808E-39	0.149506	chr1_2025801_2026000	sig	hyper
chr1	2029601	2029800	*	5.188E-29	9.506E-29	-0.11168	chr1_2029601_2029800	sig	hypo
chr1	2032401	2032600	*	3.189E-09	3.337E-09	-0.11779	chr1_2032401_2032600	sig	hypo
chr1	2043201	2043400	*	4.648E-68	1.626E-67	-0.17555	chr1_2043201_2043400	sig	hypo
chr1	2043401	2043600	*	2.212E-37	4.785E-37	-0.1732	chr1_2043401_2043600	sig	hypo
chr1	2060801	2061000	*	4.356E-16	5.813E-16	0.130688	chr1_2060801_2061000	sig	hyper
chr1	2067201	2067400	*	1.773E-19	2.604E-19	0.102834	chr1_2067201_2067400	sig	hyper
chr1	2073401	2073600	*	2.577E-85	1.151E-84	0.255998	chr1_2073401_2073600	sig	hyper
chr1	2073601	2073800	*	1.22E-127	9.61E-127	0.293638	chr1_2073601_2073800	sig	hyper
chr1	2073801	2074000	*	0	0	0.388629	chr1_2073801_2074000	sig	hyper
chr1	2074001	2074200	*	1.21E-206	2.76E-205	0.340375	chr1_2074001_2074200	sig	hyper
chr1	2075001	2075200	*	8.799E-15	1.133E-14	0.113554	chr1_2075001_2075200	sig	hyper
chr1	2083001	2083200	*	1.32E-32	2.601E-32	0.128959	chr1_2083001_2083200	sig	hyper
chr1	2091401	2091600	*	2.468E-28	4.46E-28	-0.13512	chr1_2091401_2091600	sig	hypo
chr1	2091801	2092000	*	1.659E-14	2.116E-14	0.117585	chr1_2091801_2092000	sig	hyper
chr1	2105001	2105200	*	4.859E-22	7.605E-22	-0.11152	chr1_2105001_2105200	sig	hypo
chr1	2115401	2115600	*	4.143E-47	1.055E-46	0.147249	chr1_2115401_2115600	sig	hyper
chr1	2132401	2132600	*	2.221E-34	4.539E-34	0.127485	chr1_2132401_2132600	sig	hyper
chr1	2137401	2137600	*	1.194E-23	1.947E-23	-0.16332	chr1_2137401_2137600	sig	hypo
chr1	2174801	2175000	*	8.564E-65	2.866E-64	0.181656	chr1_2174801_2175000	sig	hyper
chr1	2204201	2204400	*	1.25E-31	2.413E-31	0.18171	chr1_2204201_2204400	sig	hyper
chr1	2207401	2207600	*	4.598E-46	1.148E-45	0.243869	chr1_2207401_2207600	sig	hyper
chr1	2207601	2207800	*	1.644E-45	4.068E-45	0.20562	chr1_2207601_2207800	sig	hyper
chr1	2234001	2234200	*	1.634E-22	2.589E-22	0.136531	chr1_2234001_2234200	sig	hyper
chr1	2237801	2238000	*	5.82E-188	1.03E-186	0.248786	chr1_2237801_2238000	sig	hyper
chr1	2243401	2243600	*	4.764E-39	1.059E-38	0.141947	chr1_2243401_2243600	sig	hyper
chr1	2248401	2248600	*	2.04E-109	1.26E-108	-0.25908	chr1_2248401_2248600	sig	hypo
chr1	2270401	2270600	*	6.15E-89	2.896E-88	0.314928	chr1_2270401_2270600	sig	hyper
chr1	2273601	2273800	*	5.968E-62	1.916E-61	0.207747	chr1_2273601_2273800	sig	hyper
chr1	2273801	2274000	*	1.372E-71	5.046E-71	0.177445	chr1_2273801_2274000	sig	hyper
chr1	2274001	2274200	*	2.6E-30	4.89E-30	0.148234	chr1_2274001_2274200	sig	hyper
chr1	2274201	2274400	*	1.23E-136	1.08E-135	0.344986	chr1_2274201_2274400	sig	hyper
chr1	2274401	2274600	*	1.57E-267	7.93E-266	0.371266	chr1_2274401_2274600	sig	hyper
chr1	2291001	2291200	*	9.628E-91	4.639E-90	0.232164	chr1_2291001_2291200	sig	hyper
chr1	2291201	2291400	*	4.495E-17	6.174E-17	0.14502	chr1_2291201_2291400	sig	hyper

chr1	2299401	2299600	*	6.56E-151	7.1E-150	0.34379	chr1_2299401_2299600	sig	hyper
chr1	2301001	2301200	*	2.554E-27	4.532E-27	0.127861	chr1_2301001_2301200	sig	hyper
chr1	2305001	2305200	*	1.55E-300	1.15E-298	0.395189	chr1_2305001_2305200	sig	hyper
chr1	2318601	2318800	*	5.604E-46	1.397E-45	0.229333	chr1_2318601_2318800	sig	hyper
chr1	2321201	2321400	*	1.361E-47	3.495E-47	0.206045	chr1_2321201_2321400	sig	hyper
chr1	2327801	2328000	*	9.366E-49	2.449E-48	-0.21027	chr1_2327801_2328000	sig	hypo
chr1	2330801	2331000	*	1.552E-46	3.914E-46	0.181704	chr1_2330801_2331000	sig	hyper
chr1	2331001	2331200	*	2.252E-60	7.057E-60	0.226281	chr1_2331001_2331200	sig	hyper
chr1	2334801	2335000	*	8.33E-121	5.98E-120	-0.19791	chr1_2334801_2335000	sig	hypo
chr1	2339001	2339200	*	2.257E-29	4.166E-29	-0.12335	chr1_2339001_2339200	sig	hypo
chr1	2342001	2342200	*	7.867E-50	2.092E-49	-0.16848	chr1_2342001_2342200	sig	hypo
chr1	2351601	2351800	*	3.027E-19	4.417E-19	-0.10447	chr1_2351601_2351800	sig	hypo
chr1	2378601	2378800	*	1.022E-67	3.561E-67	-0.19817	chr1_2378601_2378800	sig	hypo
chr1	2404401	2404600	*	1.784E-42	4.202E-42	0.134959	chr1_2404401_2404600	sig	hyper
chr1	2405201	2405400	*	3.878E-11	4.395E-11	0.116006	chr1_2405201_2405400	sig	hyper
chr1	2418201	2418400	*	1.746E-51	4.756E-51	0.235991	chr1_2418201_2418400	sig	hyper
chr1	2428401	2428600	*	7.086E-36	1.486E-35	-0.16957	chr1_2428401_2428600	sig	hypo
chr1	2428601	2428800	*	7.192E-53	2.005E-52	-0.18212	chr1_2428601_2428800	sig	hypo
chr1	2433801	2434000	*	1.612E-31	3.103E-31	-0.13458	chr1_2433801_2434000	sig	hypo
chr1	2445801	2446000	*	3.938E-23	6.342E-23	-0.12161	chr1_2445801_2446000	sig	hypo
chr1	2478401	2478600	*	9.778E-57	2.902E-56	-0.15706	chr1_2478401_2478600	sig	hypo
chr1	2493201	2493400	*	3.007E-21	4.618E-21	0.13304	chr1_2493201_2493400	sig	hyper
chr1	2496601	2496800	*	3.93E-115	2.64E-114	-0.34462	chr1_2496601_2496800	sig	hypo
chr1	2533801	2534000	*	5.805E-15	7.516E-15	-0.11147	chr1_2533801_2534000	sig	hypo
chr1	2535601	2535800	*	3.62E-45	8.905E-45	0.158662	chr1_2535601_2535800	sig	hyper
chr1	2585001	2585200	*	7.876E-18	1.105E-17	0.114827	chr1_2585001_2585200	sig	hyper
chr1	2611001	2611200	*	9.527E-55	2.741E-54	0.1193	chr1_2611001_2611200	sig	hyper
chr1	2789201	2789400	*	3.984E-21	6.102E-21	0.118029	chr1_2789201_2789400	sig	hyper
chr1	2803201	2803400	*	2.81E-24	4.644E-24	-0.12122	chr1_2803201_2803400	sig	hypo
chr1	2808201	2808400	*	6.808E-20	1.01E-19	0.116192	chr1_2808201_2808400	sig	hyper
chr1	2834601	2834800	*	5.074E-31	9.685E-31	-0.13265	chr1_2834601_2834800	sig	hypo
chr1	2850601	2850800	*	2.514E-15	3.291E-15	0.106473	chr1_2850601_2850800	sig	hyper
chr1	2855601	2855800	*	1.516E-98	8.094E-98	0.182804	chr1_2855601_2855800	sig	hyper
chr1	2862401	2862600	*	3.591E-19	5.232E-19	0.137673	chr1_2862401_2862600	sig	hyper
chr1	2876001	2876200	*	8.09E-141	7.55E-140	0.183886	chr1_2876001_2876200	sig	hyper
chr1	2879601	2879800	*	1.785E-59	5.513E-59	-0.20576	chr1_2879601_2879800	sig	hypo
chr1	2883001	2883200	*	4.149E-46	1.037E-45	0.133956	chr1_2883001_2883200	sig	hyper
chr1	2892201	2892400	*	1.8E-140	1.67E-139	0.300716	chr1_2892201_2892400	sig	hyper
chr1	2894801	2895000	*	4.055E-27	7.159E-27	-0.11078	chr1_2894801_2895000	sig	hypo
chr1	2904001	2904200	*	3.24E-16	4.342E-16	-0.11808	chr1_2904001_2904200	sig	hypo
chr1	2906001	2906200	*	3.706E-46	9.273E-46	0.161383	chr1_2906001_2906200	sig	hyper
chr1	2906201	2906400	*	1.507E-64	5.028E-64	0.167342	chr1_2906201_2906400	sig	hyper
chr1	2906601	2906800	*	1.696E-10	1.876E-10	-0.10109	chr1_2906601_2906800	sig	hypo
chr1	2911201	2911400	*	1.293E-62	4.187E-62	-0.14655	chr1_2911201_2911400	sig	hypo
chr1	2923201	2923400	*	3.851E-36	8.123E-36	-0.14395	chr1_2923201_2923400	sig	hypo
chr1	2923601	2923800	*	1.61E-44	3.925E-44	-0.17153	chr1_2923601_2923800	sig	hypo
chr1	2926001	2926200	*	1.531E-23	2.488E-23	0.150876	chr1_2926001_2926200	sig	hyper
chr1	2934001	2934200	*	1.607E-51	4.382E-51	0.13819	chr1_2934001_2934200	sig	hyper
chr1	2961801	2962000	*	5.913E-12	6.911E-12	-0.13322	chr1_2961801_2962000	sig	hypo
chr1	2968601	2968800	*	1.065E-46	2.694E-46	0.12924	chr1_2968601_2968800	sig	hyper
chr1	2983001	2983200	*	2.476E-18	3.524E-18	-0.145	chr1_2983001_2983200	sig	hypo
chr1	3011801	3012000	*	1.038E-86	4.728E-86	0.239525	chr1_3011801_3012000	sig	hyper
chr1	3012001	3012200	*	9.44E-120	6.67E-119	0.280419	chr1_3012001_3012200	sig	hyper
chr1	3024201	3024400	*	2.417E-21	3.719E-21	-0.12759	chr1_3024201_3024400	sig	hypo
chr1	3030401	3030600	*	8.698E-34	1.754E-33	-0.1179	chr1_3030401_3030600	sig	hypo
chr1	3037801	3038000	*	7.099E-19	1.026E-18	-0.12951	chr1_3037801_3038000	sig	hypo

chr1	3063401	3063600	*	2.26E-209	5.35E-208	0.314149	chr1_3063401_3063600	sig	hyper
chr1	3063801	3064000	*	1.616E-54	4.63E-54	0.225647	chr1_3063801_3064000	sig	hyper
chr1	3064001	3064200	*	3.291E-55	9.532E-55	0.234405	chr1_3064001_3064200	sig	hyper
chr1	3067801	3068000	*	7.83E-126	5.99E-125	0.242175	chr1_3067801_3068000	sig	hyper
chr1	3068001	3068200	*	6.92E-111	4.37E-110	0.262906	chr1_3068001_3068200	sig	hyper
chr1	3068201	3068400	*	4.598E-77	1.832E-76	0.159969	chr1_3068201_3068400	sig	hyper
chr1	3071001	3071200	*	1.518E-30	2.87E-30	0.155163	chr1_3071001_3071200	sig	hyper
chr1	3073401	3073600	*	1.013E-79	4.192E-79	0.200614	chr1_3073401_3073600	sig	hyper
chr1	3076001	3076200	*	7.839E-19	1.132E-18	-0.1272	chr1_3076001_3076200	sig	hypo
chr1	3080201	3080400	*	4.336E-20	6.474E-20	0.132783	chr1_3080201_3080400	sig	hyper
chr1	3080801	3081000	*	2.166E-24	3.59E-24	0.146177	chr1_3080801_3081000	sig	hyper
chr1	3083001	3083200	*	1.507E-23	2.45E-23	-0.10181	chr1_3083001_3083200	sig	hypo
chr1	3111601	3111800	*	1.195E-90	5.745E-90	0.241655	chr1_3111601_3111800	sig	hyper
chr1	3111801	3112000	*	3.495E-51	9.473E-51	0.1822	chr1_3111801_3112000	sig	hyper
chr1	3140001	3140200	*	0	0	0.382902	chr1_3140001_3140200	sig	hyper
chr1	3141401	3141600	*	9.872E-66	3.35E-65	-0.20467	chr1_3141401_3141600	sig	hypo
chr1	3142201	3142400	*	2.845E-11	3.241E-11	0.101486	chr1_3142201_3142400	sig	hyper
chr1	3142601	3142800	*	1.107E-39	2.485E-39	0.120796	chr1_3142601_3142800	sig	hyper
chr1	3145801	3146000	*	3.406E-36	7.198E-36	0.168545	chr1_3145801_3146000	sig	hyper
chr1	3162601	3162800	*	3.94E-35	8.161E-35	0.17229	chr1_3162601_3162800	sig	hyper
chr1	3164601	3164800	*	1.605E-13	1.985E-13	0.116466	chr1_3164601_3164800	sig	hyper
chr1	3173001	3173200	*	1.545E-16	2.091E-16	-0.12283	chr1_3173001_3173200	sig	hypo
chr1	3182201	3182400	*	1.379E-16	1.869E-16	-0.15052	chr1_3182201_3182400	sig	hypo
chr1	3183201	3183400	*	1.078E-20	1.634E-20	-0.11378	chr1_3183201_3183400	sig	hypo
chr1	3186401	3186600	*	3.51E-166	4.61E-165	0.28339	chr1_3186401_3186600	sig	hyper
chr1	3195201	3195400	*	1.146E-26	2.004E-26	-0.12255	chr1_3195201_3195400	sig	hypo
chr1	3203601	3203800	*	2.217E-38	4.872E-38	-0.18432	chr1_3203601_3203800	sig	hypo
chr1	3206401	3206600	*	4.225E-31	8.076E-31	-0.10072	chr1_3206401_3206600	sig	hypo
chr1	3206801	3207000	*	3.726E-24	6.143E-24	-0.11253	chr1_3206801_3207000	sig	hypo
chr1	3208001	3208200	*	1.843E-35	3.846E-35	-0.15402	chr1_3208001_3208200	sig	hypo
chr1	3212001	3212200	*	9.404E-20	1.39E-19	0.124863	chr1_3212001_3212200	sig	hyper
chr1	3217001	3217200	*	3.101E-87	1.421E-86	0.300339	chr1_3217001_3217200	sig	hyper
chr1	3217201	3217400	*	1.15E-134	9.87E-134	0.318523	chr1_3217201_3217400	sig	hyper
chr1	3223201	3223400	*	3.187E-49	8.411E-49	-0.20914	chr1_3223201_3223400	sig	hypo
chr1	3226401	3226600	*	2.254E-24	3.734E-24	0.133422	chr1_3226401_3226600	sig	hyper
chr1	3227001	3227200	*	3.663E-86	1.655E-85	0.241443	chr1_3227001_3227200	sig	hyper
chr1	3227201	3227400	*	4.167E-33	8.293E-33	0.161376	chr1_3227201_3227400	sig	hyper
chr1	3227401	3227600	*	4.558E-53	1.275E-52	0.156588	chr1_3227401_3227600	sig	hyper
chr1	3231001	3231200	*	2.382E-25	4.036E-25	-0.15446	chr1_3231001_3231200	sig	hypo
chr1	3244201	3244400	*	4.697E-32	9.149E-32	0.16028	chr1_3244201_3244400	sig	hyper
chr1	3244801	3245000	*	2.2E-23	3.562E-23	0.134995	chr1_3244801_3245000	sig	hyper
chr1	3247601	3247800	*	2.885E-50	7.722E-50	0.18829	chr1_3247601_3247800	sig	hyper
chr1	3247801	3248000	*	5.16E-147	5.24E-146	0.204119	chr1_3247801_3248000	sig	hyper
chr1	3248001	3248200	*	7.08E-113	4.6E-112	0.288828	chr1_3248001_3248200	sig	hyper
chr1	3274601	3274800	*	2.942E-32	5.756E-32	-0.11485	chr1_3274601_3274800	sig	hypo
chr1	3275001	3275200	*	2.068E-89	9.781E-89	-0.24074	chr1_3275001_3275200	sig	hypo
chr1	3283801	3284000	*	2.344E-53	6.588E-53	0.23677	chr1_3283801_3284000	sig	hyper
chr1	3290801	3291000	*	5.124E-56	1.503E-55	-0.12146	chr1_3290801_3291000	sig	hypo
chr1	3293201	3293400	*	8.77E-165	1.14E-163	-0.34174	chr1_3293201_3293400	sig	hypo
chr1	3293801	3294000	*	2.41E-107	1.45E-106	-0.23782	chr1_3293801_3294000	sig	hypo
chr1	3313001	3313200	*	9.552E-24	1.56E-23	0.107135	chr1_3313001_3313200	sig	hyper
chr1	3313801	3314000	*	3.41E-114	2.26E-113	0.255917	chr1_3313801_3314000	sig	hyper
chr1	3349201	3349400	*	2.424E-13	2.981E-13	-0.12492	chr1_3349201_3349400	sig	hypo
chr1	3352601	3352800	*	1.47E-20	2.22E-20	0.164453	chr1_3352601_3352800	sig	hyper
chr1	3356001	3356200	*	3.16E-216	8.22E-215	-0.32329	chr1_3356001_3356200	sig	hypo
chr1	3359801	3360000	*	3.43E-104	1.97E-103	-0.2349	chr1_3359801_3360000	sig	hypo

chr1	3360001	3360200	*	2.689E-39	6.002E-39	-0.12865	chr1_3360001_3360200	sig	hypo
chr1	3366001	3366200	*	1.298E-50	3.489E-50	0.200724	chr1_3366001_3366200	sig	hyper
chr1	3366201	3366400	*	5.21E-120	3.69E-119	0.214515	chr1_3366201_3366400	sig	hyper
chr1	3391601	3391800	*	8.231E-33	1.628E-32	0.185073	chr1_3391601_3391800	sig	hyper
chr1	3403801	3404000	*	9.259E-21	1.406E-20	0.138209	chr1_3403801_3404000	sig	hyper
chr1	3404001	3404200	*	1.066E-23	1.74E-23	0.136121	chr1_3404001_3404200	sig	hyper
chr1	3404201	3404400	*	3.35E-30	6.29E-30	0.143499	chr1_3404201_3404400	sig	hyper
chr1	3423201	3423400	*	1.292E-37	2.806E-37	-0.1726	chr1_3423201_3423400	sig	hypo
chr1	3423601	3423800	*	1.264E-18	1.814E-18	-0.1093	chr1_3423601_3423800	sig	hypo
chr1	3433801	3434000	*	1.671E-19	2.456E-19	-0.14051	chr1_3433801_3434000	sig	hypo
chr1	3434401	3434600	*	3.793E-88	1.764E-87	-0.22168	chr1_3434401_3434600	sig	hypo
chr1	3435601	3435800	*	1.249E-71	4.599E-71	-0.19181	chr1_3435601_3435800	sig	hypo
chr1	3437801	3438000	*	1.5E-188	2.69E-187	-0.30686	chr1_3437801_3438000	sig	hypo
chr1	3457201	3457400	*	1.461E-49	3.873E-49	-0.17569	chr1_3457201_3457400	sig	hypo
chr1	3480401	3480600	*	1.69E-119	1.19E-118	-0.22939	chr1_3480401_3480600	sig	hypo
chr1	3504201	3504400	*	2.29E-23	3.708E-23	-0.1482	chr1_3504201_3504400	sig	hypo
chr1	3550201	3550400	*	3.024E-26	5.237E-26	-0.11816	chr1_3550201_3550400	sig	hypo
chr1	3550601	3550800	*	3.428E-30	6.435E-30	-0.15329	chr1_3550601_3550800	sig	hypo
chr1	3556601	3556800	*	1.521E-18	2.178E-18	-0.11595	chr1_3556601_3556800	sig	hypo
chr1	3565001	3565200	*	3.774E-41	8.692E-41	-0.25617	chr1_3565001_3565200	sig	hypo
chr1	3579001	3579200	*	1.004E-83	4.385E-83	-0.27792	chr1_3579001_3579200	sig	hypo
chr1	3595401	3595600	*	5.633E-47	1.433E-46	-0.18837	chr1_3595401_3595600	sig	hypo
chr1	3612001	3612200	*	5.571E-17	7.63E-17	0.103964	chr1_3612001_3612200	sig	hyper
chr1	3650601	3650800	*	0	1.74E-306	0.308967	chr1_3650601_3650800	sig	hyper
chr1	3651001	3651200	*	0	0	0.301168	chr1_3651001_3651200	sig	hyper
chr1	3651201	3651400	*	0	0	0.288372	chr1_3651201_3651400	sig	hyper
chr1	3651401	3651600	*	2.16E-180	3.45E-179	0.217743	chr1_3651401_3651600	sig	hyper
chr1	3658401	3658600	*	1.348E-18	1.933E-18	0.132568	chr1_3658401_3658600	sig	hyper
chr1	3666601	3666800	*	4.73E-17	6.491E-17	-0.14239	chr1_3666601_3666800	sig	hypo
chr1	3673401	3673600	*	3.026E-54	8.633E-54	-0.25126	chr1_3673401_3673600	sig	hypo
chr1	3704001	3704200	*	1.232E-48	3.217E-48	-0.15696	chr1_3704001_3704200	sig	hypo
chr1	3704201	3704400	*	1.551E-30	2.931E-30	-0.15431	chr1_3704201_3704400	sig	hypo
chr1	3743001	3743200	*	5.6E-99	3E-98	-0.23975	chr1_3743001_3743200	sig	hypo
chr1	3746601	3746800	*	1.679E-52	4.653E-52	0.15154	chr1_3746601_3746800	sig	hyper
chr1	3747201	3747400	*	1.83E-184	3.09E-183	0.189085	chr1_3747201_3747400	sig	hyper
chr1	3747401	3747600	*	9.018E-59	2.758E-58	0.104986	chr1_3747401_3747600	sig	hyper
chr1	3752601	3752800	*	8.278E-46	2.059E-45	-0.15959	chr1_3752601_3752800	sig	hypo
chr1	3787801	3788000	*	2.059E-47	5.271E-47	-0.10697	chr1_3787801_3788000	sig	hypo
chr1	3858601	3858800	*	1.579E-21	2.442E-21	0.116774	chr1_3858601_3858800	sig	hyper
chr1	3892801	3893000	*	3.596E-78	1.455E-77	0.166176	chr1_3892801_3893000	sig	hyper
chr1	4161201	4161400	*	8.85E-36	1.854E-35	-0.15774	chr1_4161201_4161400	sig	hypo
chr1	4711001	4711200	*	3.92E-17	5.393E-17	0.100786	chr1_4711001_4711200	sig	hyper
chr1	5847201	5847400	*	2.413E-15	3.16E-15	0.101356	chr1_5847201_5847400	sig	hyper
chr1	5847401	5847600	*	5.291E-92	2.588E-91	0.262283	chr1_5847401_5847600	sig	hyper
chr1	5859001	5859200	*	7.066E-46	1.759E-45	0.121927	chr1_5859001_5859200	sig	hyper
chr1	5994601	5994800	*	2.236E-36	4.746E-36	-0.15471	chr1_5994601_5994800	sig	hypo
chr1	6026201	6026400	*	1.214E-70	4.406E-70	-0.1269	chr1_6026201_6026400	sig	hypo
chr1	6026401	6026600	*	1.048E-83	4.576E-83	-0.19722	chr1_6026401_6026600	sig	hypo
chr1	6089001	6089200	*	2.895E-52	7.982E-52	-0.14191	chr1_6089001_6089200	sig	hypo
chr1	6089401	6089600	*	7.959E-22	1.241E-21	-0.13434	chr1_6089401_6089600	sig	hypo
chr1	6111601	6111800	*	4.499E-18	6.354E-18	-0.13758	chr1_6111601_6111800	sig	hypo
chr1	6146201	6146400	*	1.837E-48	4.783E-48	-0.2131	chr1_6146201_6146400	sig	hypo
chr1	6208801	6209000	*	1.128E-53	3.188E-53	0.129687	chr1_6208801_6209000	sig	hyper
chr1	6225001	6225200	*	6.982E-44	1.684E-43	-0.14527	chr1_6225001_6225200	sig	hypo
chr1	6273601	6273800	*	1.38E-203	3.03E-202	-0.35015	chr1_6273601_6273800	sig	hypo
chr1	6276401	6276600	*	7.23E-213	1.81E-211	0.340803	chr1_6276401_6276600	sig	hyper

chr1	6276601	6276800	*	2.52E-240	8.92E-239	0.394856	chr1_6276601_6276800	sig	hyper
chr1	6330401	6330600	*	1.1E-109	6.82E-109	0.259231	chr1_6330401_6330600	sig	hyper
chr1	6345601	6345800	*	2.973E-53	8.34E-53	-0.18518	chr1_6345601_6345800	sig	hypo
chr1	6360601	6360800	*	4.295E-23	6.914E-23	-0.1712	chr1_6360601_6360800	sig	hypo
chr1	6386001	6386200	*	5.56E-107	3.32E-106	-0.28215	chr1_6386001_6386200	sig	hypo
chr1	6440801	6441000	*	1.328E-46	3.353E-46	0.120238	chr1_6440801_6441000	sig	hyper
chr1	6441001	6441200	*	1.106E-33	2.227E-33	0.142981	chr1_6441001_6441200	sig	hyper
chr1	6454401	6454600	*	3.439E-94	1.735E-93	0.200034	chr1_6454401_6454600	sig	hyper
chr1	6455401	6455600	*	1.517E-75	5.91E-75	0.194679	chr1_6455401_6455600	sig	hyper
chr1	6455601	6455800	*	9.986E-38	2.174E-37	0.201984	chr1_6455601_6455800	sig	hyper
chr1	6455801	6456000	*	4.268E-52	1.174E-51	0.20245	chr1_6455801_6456000	sig	hyper
chr1	6456201	6456400	*	5.02E-32	9.77E-32	0.112584	chr1_6456201_6456400	sig	hyper
chr1	6461001	6461200	*	8.205E-19	1.185E-18	0.103871	chr1_6461001_6461200	sig	hyper
chr1	6461201	6461400	*	7.024E-59	2.151E-58	0.157873	chr1_6461201_6461400	sig	hyper
chr1	6466001	6466200	*	5.03E-106	2.96E-105	0.18675	chr1_6466001_6466200	sig	hyper
chr1	6466201	6466400	*	1.794E-28	3.252E-28	0.142128	chr1_6466201_6466400	sig	hyper
chr1	6474401	6474600	*	2.013E-69	7.183E-69	-0.25325	chr1_6474401_6474600	sig	hypo
chr1	6474801	6475000	*	3.318E-29	6.101E-29	-0.15444	chr1_6474801_6475000	sig	hypo
chr1	6555201	6555400	*	3.859E-67	1.334E-66	0.183618	chr1_6555201_6555400	sig	hyper
chr1	7063001	7063200	*	4.034E-17	5.547E-17	-0.11063	chr1_7063001_7063200	sig	hypo
chr1	7070001	7070200	*	3.564E-56	1.049E-55	0.219226	chr1_7070001_7070200	sig	hyper
chr1	7640401	7640600	*	1.2E-70	4.358E-70	-0.11052	chr1_7640401_7640600	sig	hypo
chr1	7668601	7668800	*	6.728E-41	1.544E-40	0.147704	chr1_7668601_7668800	sig	hyper
chr1	7782201	7782400	*	2.36E-173	3.45E-172	-0.3188	chr1_7782201_7782400	sig	hypo
chr1	7784601	7784800	*	1.67E-173	2.44E-172	0.34569	chr1_7784601_7784800	sig	hyper
chr1	7784801	7785000	*	2.309E-74	8.841E-74	0.282394	chr1_7784801_7785000	sig	hyper
chr1	8027401	8027600	*	3.93E-113	2.56E-112	-0.21987	chr1_8027401_8027600	sig	hypo
chr1	8211801	8212000	*	3.22E-169	4.43E-168	-0.30262	chr1_8211801_8212000	sig	hypo
chr1	8212001	8212200	*	1.62E-266	8.02E-265	-0.3372	chr1_8212001_8212200	sig	hypo
chr1	8333801	8334000	*	5.328E-55	1.538E-54	-0.21586	chr1_8333801_8334000	sig	hypo
chr1	9026401	9026600	*	8.885E-64	2.935E-63	-0.21636	chr1_9026401_9026600	sig	hypo
chr1	9039201	9039400	*	1.698E-22	2.689E-22	0.113093	chr1_9039201_9039400	sig	hyper
chr1	9183601	9183800	*	2.42E-132	2.02E-131	0.251911	chr1_9183601_9183800	sig	hyper
chr1	9198401	9198600	*	3.292E-70	1.189E-69	0.309997	chr1_9198401_9198600	sig	hyper
chr1	9198601	9198800	*	1.397E-41	3.246E-41	0.139304	chr1_9198601_9198800	sig	hyper
chr1	9279601	9279800	*	2.486E-28	4.492E-28	-0.24	chr1_9279601_9279800	sig	hypo
chr1	9321201	9321400	*	5.69E-201	1.22E-199	0.321984	chr1_9321201_9321400	sig	hyper
chr1	9651401	9651600	*	1.979E-25	3.359E-25	0.12399	chr1_9651401_9651600	sig	hyper
chr1	9652401	9652600	*	9.85E-224	2.79E-222	0.254536	chr1_9652401_9652600	sig	hyper
chr1	9652801	9653000	*	3.45E-53	9.668E-53	0.165149	chr1_9652801_9653000	sig	hyper
chr1	9654201	9654400	*	3.65E-103	2.06E-102	-0.25916	chr1_9654201_9654400	sig	hypo
chr1	9714601	9714800	*	1.563E-57	4.7E-57	-0.24575	chr1_9714601_9714800	sig	hypo
chr1	9719201	9719400	*	9.694E-38	2.111E-37	-0.13843	chr1_9719201_9719400	sig	hypo
chr1	9728401	9728600	*	1.118E-30	2.119E-30	-0.11343	chr1_9728401_9728600	sig	hypo
chr1	9728601	9728800	*	1.77E-88	8.278E-88	-0.17	chr1_9728601_9728800	sig	hypo
chr1	9875401	9875600	*	6.755E-93	3.338E-92	0.204046	chr1_9875401_9875600	sig	hyper
chr1	9993801	9994000	*	5.984E-18	8.426E-18	-0.12127	chr1_9993801_9994000	sig	hypo
chr1	9996601	9996800	*	5.606E-73	2.099E-72	-0.25155	chr1_9996601_9996800	sig	hypo
chr1	1E+07	1E+07	*	6.229E-23	9.98E-23	-0.15191	chr1_10400001_1040020(	sig	hypo
chr1	1.1E+07	1.1E+07	*	3.04E-128	2.4E-127	0.344924	chr1_10530401_1053060(	sig	hyper
chr1	1.1E+07	1.1E+07	*	6.55E-29	1.198E-28	0.164021	chr1_10635401_1063560(	sig	hyper
chr1	1.1E+07	1.1E+07	*	8.748E-47	2.216E-46	0.185751	chr1_10635601_1063580(	sig	hyper
chr1	1.1E+07	1.1E+07	*	9.73E-109	5.96E-108	0.22598	chr1_10649001_1064920(	sig	hyper
chr1	1.1E+07	1.1E+07	*	1.15E-74	4.417E-74	0.223441	chr1_10650001_1065020(	sig	hyper
chr1	1.1E+07	1.1E+07	*	3.117E-44	7.562E-44	0.184259	chr1_10651401_1065160(	sig	hyper
chr1	1.1E+07	1.1E+07	*	1.525E-27	2.716E-27	0.147688	chr1_10651601_1065180(	sig	hyper

chr1	1.1E+07	1.1E+07	*	4.063E-21	6.219E-21	0.132493	chr1_10655601_1065580(	sig	hyper
chr1	1.1E+07	1.1E+07	*	2.21E-119	1.55E-118	0.431757	chr1_10672201_1067240(	sig	hyper
chr1	1.1E+07	1.1E+07	*	9.88E-266	4.86E-264	0.47927	chr1_10672401_1067260(	sig	hyper
chr1	1.1E+07	1.1E+07	*	3.42E-227	1.01E-225	0.2584	chr1_10672801_1067300(	sig	hyper
chr1	1.1E+07	1.1E+07	*	1.102E-45	2.731E-45	0.200934	chr1_10704401_1070460(	sig	hyper
chr1	1.1E+07	1.1E+07	*	3.727E-22	5.852E-22	0.118206	chr1_10765401_1076560(	sig	hyper
chr1	1.1E+07	1.1E+07	*	4.483E-93	2.221E-92	-0.2782	chr1_10779401_1077960(	sig	hypo
chr1	1.2E+07	1.2E+07	*	2.071E-21	3.193E-21	0.147203	chr1_11501801_1150200(	sig	hyper
chr1	1.2E+07	1.2E+07	*	3.47E-41	7.999E-41	0.237084	chr1_11654001_1165420(	sig	hyper
chr1	1.2E+07	1.2E+07	*	1.443E-25	2.46E-25	-0.10038	chr1_11690401_1169060(	sig	hypo
chr1	1.2E+07	1.2E+07	*	7.97E-112	5.1E-111	0.141127	chr1_11692001_1169220(	sig	hyper
chr1	1.2E+07	1.2E+07	*	5.542E-44	1.339E-43	0.185361	chr1_11692201_1169240(	sig	hyper
chr1	1.2E+07	1.2E+07	*	1.278E-97	6.747E-97	0.22557	chr1_11701601_1170180(	sig	hyper
chr1	1.2E+07	1.2E+07	*	1.034E-21	1.607E-21	0.183564	chr1_11858601_1185880(	sig	hyper
chr1	1.2E+07	1.2E+07	*	3.668E-40	8.316E-40	0.180983	chr1_11858801_1185900(	sig	hyper
chr1	1.2E+07	1.2E+07	*	8.956E-56	2.62E-55	0.264446	chr1_11898201_1189840(	sig	hyper
chr1	1.2E+07	1.2E+07	*	0	0	0.195898	chr1_12063401_1206360(	sig	hyper
chr1	1.2E+07	1.2E+07	*	2.102E-50	5.634E-50	-0.17264	chr1_12129601_1212980(	sig	hypo
chr1	1.2E+07	1.2E+07	*	2.66E-110	1.67E-109	-0.21958	chr1_12143601_1214380(	sig	hypo
chr1	1.2E+07	1.2E+07	*	8.545E-82	3.633E-81	-0.1831	chr1_12167601_1216780(	sig	hypo
chr1	1.2E+07	1.2E+07	*	1.55E-106	9.22E-106	-0.20642	chr1_12167801_1216800(	sig	hypo
chr1	1.2E+07	1.2E+07	*	8.189E-19	1.182E-18	-0.12352	chr1_12170401_1217060(	sig	hypo
chr1	1.3E+07	1.3E+07	*	2.085E-15	2.736E-15	0.149623	chr1_12540201_1254040(	sig	hyper
chr1	1.3E+07	1.3E+07	*	2.59E-13	3.183E-13	-0.10316	chr1_12549601_1254980(	sig	hypo
chr1	1.3E+07	1.3E+07	*	1.081E-36	2.307E-36	-0.11574	chr1_12558401_1255860(	sig	hypo
chr1	1.3E+07	1.3E+07	*	9.06E-201	1.93E-199	0.192233	chr1_12596001_1259620(	sig	hyper
chr1	1.4E+07	1.4E+07	*	1.19E-20	1.801E-20	-0.10825	chr1_13560401_1356060(	sig	hypo
chr1	1.4E+07	1.4E+07	*	2.42E-109	1.49E-108	0.186202	chr1_13583601_1358380(	sig	hyper
chr1	1.4E+07	1.4E+07	*	2.22E-100	1.21E-99	0.278502	chr1_13584201_1358440(	sig	hyper
chr1	1.4E+07	1.4E+07	*	1.914E-13	2.361E-13	0.152429	chr1_13700801_1370100(	sig	hyper
chr1	1.5E+07	1.5E+07	*	2.02E-158	2.39E-157	0.300941	chr1_14599401_1459960(	sig	hyper
chr1	1.5E+07	1.5E+07	*	2.868E-16	3.852E-16	-0.15899	chr1_14923601_1492380(	sig	hypo
chr1	1.5E+07	1.5E+07	*	5.857E-64	1.94E-63	0.283525	chr1_15156201_1515640(	sig	hyper
chr1	1.5E+07	1.5E+07	*	2.016E-80	8.417E-80	0.232827	chr1_15214601_1521480(	sig	hyper
chr1	1.5E+07	1.5E+07	*	4.476E-81	1.882E-80	0.284747	chr1_15214801_1521500(	sig	hyper
chr1	1.6E+07	1.6E+07	*	3.06E-23	4.942E-23	-0.11532	chr1_15736201_1573640(	sig	hypo
chr1	1.6E+07	1.6E+07	*	1.43E-169	1.98E-168	-0.27397	chr1_15756601_1575680(	sig	hypo
chr1	1.6E+07	1.6E+07	*	0	0	0.399555	chr1_15758201_1575840(	sig	hyper
chr1	1.6E+07	1.6E+07	*	4.637E-84	2.033E-83	-0.17073	chr1_15837001_1583720(	sig	hypo
chr1	1.6E+07	1.6E+07	*	7.092E-73	2.651E-72	0.167692	chr1_16015601_1601580(	sig	hyper
chr1	1.6E+07	1.6E+07	*	6.22E-140	5.73E-139	0.408582	chr1_16018001_1601820(	sig	hyper
chr1	1.6E+07	1.6E+07	*	1.123E-33	2.259E-33	-0.16348	chr1_16042801_1604300(	sig	hypo
chr1	1.6E+07	1.6E+07	*	3.135E-35	6.506E-35	0.200162	chr1_16141801_1614200(	sig	hyper
chr1	1.6E+07	1.6E+07	*	1.109E-18	1.595E-18	0.131171	chr1_16207601_1620780(	sig	hyper
chr1	1.6E+07	1.6E+07	*	0	0	0.276159	chr1_16226801_1622700(	sig	hyper
chr1	1.6E+07	1.6E+07	*	5.842E-83	2.527E-82	0.184245	chr1_16227601_1622780(	sig	hyper
chr1	1.6E+07	1.6E+07	*	2.16E-104	1.24E-103	0.237922	chr1_16227801_1622800(	sig	hyper
chr1	1.6E+07	1.6E+07	*	7.835E-24	1.282E-23	0.114267	chr1_16228401_1622860(	sig	hyper
chr1	1.7E+07	1.7E+07	*	1.72E-256	7.51E-255	0.269705	chr1_16520601_1652080(	sig	hyper
chr1	1.7E+07	1.7E+07	*	1.01E-140	9.43E-140	0.293226	chr1_16520801_1652100(	sig	hyper
chr1	1.7E+07	1.7E+07	*	1.21E-187	2.15E-186	0.303983	chr1_16521001_1652120(	sig	hyper
chr1	1.7E+07	1.7E+07	*	3.222E-62	1.038E-61	0.239368	chr1_16521201_1652140(	sig	hyper
chr1	1.7E+07	1.7E+07	*	1.44E-119	1.01E-118	0.219967	chr1_16532601_1653280(	sig	hyper
chr1	1.7E+07	1.7E+07	*	1.879E-18	2.684E-18	0.130077	chr1_16534201_1653440(	sig	hyper
chr1	1.7E+07	1.7E+07	*	5.898E-29	1.079E-28	0.141618	chr1_16534601_1653480(	sig	hyper
chr1	1.7E+07	1.7E+07	*	1.34E-111	8.54E-111	0.189124	chr1_16535001_1653520(	sig	hyper

chr1	1.7E+07	1.7E+07	*	1.985E-18	2.832E-18	0.12375	chr1_16535201_1653540(	sig	hyper
chr1	1.7E+07	1.7E+07	*	5.271E-71	1.925E-70	0.212082	chr1_16535401_1653560(	sig	hyper
chr1	1.7E+07	1.7E+07	*	7.66E-114	5.05E-113	0.172759	chr1_16535601_1653580(	sig	hyper
chr1	1.7E+07	1.7E+07	*	4.318E-16	5.762E-16	0.107621	chr1_16535801_1653600(	sig	hyper
chr1	1.7E+07	1.7E+07	*	4.911E-07	4.614E-07	-0.10457	chr1_16536401_1653660(	sig	hypo
chr1	1.7E+07	1.7E+07	*	3.015E-79	1.24E-78	0.178551	chr1_16647801_1664800(	sig	hyper
chr1	1.7E+07	1.7E+07	*	1.286E-68	4.536E-68	-0.17206	chr1_16678201_1667840(	sig	hypo
chr1	1.7E+07	1.7E+07	*	2.248E-57	6.747E-57	0.137019	chr1_16686001_1668620(	sig	hyper
chr1	1.7E+07	1.7E+07	*	1.195E-18	1.717E-18	0.113088	chr1_16759001_1675920(	sig	hyper
chr1	1.7E+07	1.7E+07	*	3.42E-35	7.097E-35	0.19558	chr1_16759201_1675940(	sig	hyper
chr1	1.7E+07	1.7E+07	*	7.214E-24	1.181E-23	0.142454	chr1_16765801_1676600(	sig	hyper
chr1	1.7E+07	1.7E+07	*	6.84E-124	5.1E-123	0.305955	chr1_16766001_1676620(	sig	hyper
chr1	1.7E+07	1.7E+07	*	3.859E-77	1.539E-76	0.212792	chr1_16872201_1687240(	sig	hyper
chr1	1.7E+07	1.7E+07	*	2.5E-65	8.433E-65	0.218784	chr1_16872401_1687260(	sig	hyper
chr1	1.7E+07	1.7E+07	*	2.516E-39	5.618E-39	0.126356	chr1_16873201_1687340(	sig	hyper
chr1	1.7E+07	1.7E+07	*	5.22E-112	3.35E-111	0.214831	chr1_16938801_1693900(	sig	hyper
chr1	1.7E+07	1.7E+07	*	5.01E-141	4.68E-140	0.196002	chr1_16939001_1693920(	sig	hyper
chr1	1.7E+07	1.7E+07	*	1.69E-183	2.8E-182	0.324463	chr1_17149201_1714940(	sig	hyper
chr1	1.7E+07	1.7E+07	*	8.76E-107	5.22E-106	0.289518	chr1_17149401_1714960(	sig	hyper
chr1	1.7E+07	1.7E+07	*	8.974E-12	1.042E-11	0.108955	chr1_17149601_1714980(	sig	hyper
chr1	1.7E+07	1.7E+07	*	2.651E-91	1.287E-90	0.164843	chr1_17419801_1742000(	sig	hyper
chr1	1.7E+07	1.7E+07	*	2.38E-115	1.61E-114	0.116995	chr1_17420001_1742020(	sig	hyper
chr1	1.7E+07	1.7E+07	*	1.787E-59	5.518E-59	0.284202	chr1_17423601_1742380(	sig	hyper
chr1	1.7E+07	1.7E+07	*	1.569E-67	5.455E-67	0.257929	chr1_17424201_1742440(	sig	hyper
chr1	1.8E+07	1.8E+07	*	1.771E-50	4.753E-50	-0.19581	chr1_17520201_1752040(	sig	hypo
chr1	1.8E+07	1.8E+07	*	5.954E-59	1.825E-58	-0.23203	chr1_17522201_1752240(	sig	hypo
chr1	1.8E+07	1.8E+07	*	1.36E-125	1.04E-124	0.232592	chr1_17617801_1761800(	sig	hyper
chr1	1.9E+07	1.9E+07	*	1.914E-20	2.881E-20	0.142966	chr1_18630201_1863040(	sig	hyper
chr1	1.9E+07	1.9E+07	*	6.2E-155	7.02E-154	0.227569	chr1_18631401_1863160(	sig	hyper
chr1	1.9E+07	1.9E+07	*	2.46E-144	2.4E-143	0.212607	chr1_18631601_1863180(	sig	hyper
chr1	1.9E+07	1.9E+07	*	0	0	0.357188	chr1_18631801_1863200(	sig	hyper
chr1	1.9E+07	1.9E+07	*	7.28E-131	5.95E-130	0.319072	chr1_18632201_1863240(	sig	hyper
chr1	1.9E+07	1.9E+07	*	9.67E-153	1.07E-151	0.332639	chr1_18632401_1863260(	sig	hyper
chr1	1.9E+07	1.9E+07	*	0	0	0.283167	chr1_18632801_1863300(	sig	hyper
chr1	1.9E+07	1.9E+07	*	2.512E-72	9.325E-72	0.260185	chr1_18637401_1863760(	sig	hyper
chr1	1.9E+07	1.9E+07	*	1.232E-15	1.627E-15	0.155276	chr1_18725601_1872580(	sig	hyper
chr1	1.9E+07	1.9E+07	*	9.421E-18	1.32E-17	-0.13311	chr1_18784201_1878440(	sig	hypo
chr1	1.9E+07	1.9E+07	*	1.27E-69	4.542E-69	-0.23071	chr1_18798601_1879880(	sig	hypo
chr1	1.9E+07	1.9E+07	*	1.429E-16	1.935E-16	0.105615	chr1_18890601_1889080(	sig	hyper
chr1	1.9E+07	1.9E+07	*	3.003E-29	5.528E-29	0.122697	chr1_19312801_1931300(	sig	hyper
chr1	1.9E+07	1.9E+07	*	9.28E-29	1.692E-28	0.175486	chr1_19338401_1933860(	sig	hyper
chr1	1.9E+07	1.9E+07	*	3.86E-135	3.34E-134	0.132873	chr1_19338601_1933880(	sig	hyper
chr1	2E+07	2E+07	*	1.807E-18	2.583E-18	-0.1207	chr1_19664201_1966440(	sig	hypo
chr1	2E+07	2E+07	*	8.75E-62	2.803E-61	0.20079	chr1_20291801_2029200(	sig	hyper
chr1	2E+07	2E+07	*	5.033E-63	1.64E-62	0.246898	chr1_20343201_2034340(	sig	hyper
chr1	2E+07	2E+07	*	8.16E-109	5E-108	0.23017	chr1_20473201_2047340(	sig	hyper
chr1	2E+07	2E+07	*	4.2E-146	4.2E-145	0.255639	chr1_20473401_2047360(	sig	hyper
chr1	2E+07	2E+07	*	7.093E-39	1.572E-38	-0.11297	chr1_20476201_2047640(	sig	hypo
chr1	2.1E+07	2.1E+07	*	4.25E-141	3.98E-140	0.345321	chr1_20552201_2055240(	sig	hyper
chr1	2.1E+07	2.1E+07	*	1.413E-61	4.513E-61	0.17826	chr1_20552401_2055260(	sig	hyper
chr1	2.1E+07	2.1E+07	*	0	0	0.362269	chr1_20553001_2055320(	sig	hyper
chr1	2.1E+07	2.1E+07	*	4.73E-76	1.855E-75	0.118322	chr1_20717401_2071760(	sig	hyper
chr1	2.1E+07	2.1E+07	*	7.236E-34	1.462E-33	0.106807	chr1_20717601_2071780(	sig	hyper
chr1	2.1E+07	2.1E+07	*	3.304E-60	1.032E-59	-0.19064	chr1_20724001_2072420(	sig	hypo
chr1	2.1E+07	2.1E+07	*	5.228E-21	7.982E-21	0.171621	chr1_21428801_2142900(	sig	hyper
chr1	2.1E+07	2.1E+07	*	5.191E-60	1.617E-59	0.139265	chr1_21436601_2143680(	sig	hyper

chr1	2.2E+07	2.2E+07	*	1.871E-35	3.902E-35	0.15082	chr1_21509001_2150920(	sig	hyper
chr1	2.2E+07	2.2E+07	*	6.037E-52	1.658E-51	-0.14665	chr1_21551001_2155120(	sig	hypo
chr1	2.2E+07	2.2E+07	*	1.08E-22	1.718E-22	-0.18298	chr1_21591001_2159120(	sig	hypo
chr1	2.2E+07	2.2E+07	*	3.548E-20	5.308E-20	-0.17993	chr1_21608201_2160840(	sig	hypo
chr1	2.2E+07	2.2E+07	*	6.444E-15	8.334E-15	0.114668	chr1_21639801_2164000(	sig	hyper
chr1	2.2E+07	2.2E+07	*	9.895E-38	2.154E-37	0.140383	chr1_21862001_2186220(	sig	hyper
chr1	2.2E+07	2.2E+07	*	2.65E-153	2.94E-152	-0.23198	chr1_22451201_2245140(	sig	hypo
chr1	2.3E+07	2.3E+07	*	6.33E-111	4E-110	0.216431	chr1_22563001_2256320(	sig	hyper
chr1	2.3E+07	2.3E+07	*	2.211E-24	3.664E-24	-0.16232	chr1_22599001_2259920(	sig	hypo
chr1	2.3E+07	2.3E+07	*	2.176E-19	3.187E-19	-0.13305	chr1_22601001_2260120(	sig	hypo
chr1	2.3E+07	2.3E+07	*	2.669E-18	3.793E-18	-0.10214	chr1_22652001_2265220(	sig	hypo
chr1	2.3E+07	2.3E+07	*	2.438E-21	3.75E-21	0.1098	chr1_22953001_2295320(	sig	hyper
chr1	2.3E+07	2.3E+07	*	5.144E-27	9.062E-27	0.18437	chr1_23371001_2337120(	sig	hyper
chr1	2.4E+07	2.4E+07	*	5.961E-72	2.204E-71	-0.17961	chr1_23949201_2394940(	sig	hypo
chr1	2.4E+07	2.4E+07	*	4.606E-61	1.455E-60	-0.28659	chr1_24109001_2410920(	sig	hypo
chr1	2.4E+07	2.4E+07	*	2.446E-10	2.686E-10	0.10205	chr1_24112001_2411220(	sig	hyper
chr1	2.4E+07	2.4E+07	*	1.873E-50	5.023E-50	-0.13785	chr1_24319601_2431980(	sig	hypo
chr1	2.4E+07	2.4E+07	*	1.407E-87	6.485E-87	-0.22136	chr1_24321601_2432180(	sig	hypo
chr1	2.4E+07	2.4E+07	*	3.677E-75	1.424E-74	-0.22806	chr1_24322801_2432300(	sig	hypo
chr1	2.5E+07	2.5E+07	*	6.326E-73	2.366E-72	-0.12786	chr1_24502001_2450220(	sig	hypo
chr1	2.5E+07	2.5E+07	*	3.803E-34	7.729E-34	-0.11763	chr1_24503401_2450360(	sig	hypo
chr1	2.5E+07	2.5E+07	*	2.37E-176	3.58E-175	-0.21257	chr1_24535201_2453540(	sig	hypo
chr1	2.5E+07	2.5E+07	*	3.202E-28	5.774E-28	0.101635	chr1_24930601_2493080(	sig	hyper
chr1	2.5E+07	2.5E+07	*	0	0	0.376426	chr1_24931001_2493120(	sig	hyper
chr1	2.5E+07	2.5E+07	*	2.19E-260	9.93E-259	0.396754	chr1_24931201_2493140(	sig	hyper
chr1	2.5E+07	2.5E+07	*	5.82E-209	1.37E-207	0.310713	chr1_24931401_2493160(	sig	hyper
chr1	2.5E+07	2.5E+07	*	0	0	0.338055	chr1_24931601_2493180(	sig	hyper
chr1	2.5E+07	2.5E+07	*	7.477E-82	3.182E-81	0.324499	chr1_24931801_2493200(	sig	hyper
chr1	2.5E+07	2.5E+07	*	8.231E-75	3.17E-74	-0.21426	chr1_24964801_2496500(	sig	hypo
chr1	2.5E+07	2.5E+07	*	1.745E-26	3.04E-26	-0.12036	chr1_24965401_2496560(	sig	hypo
chr1	2.5E+07	2.5E+07	*	2.586E-10	2.838E-10	0.115954	chr1_24970201_2497040(	sig	hyper
chr1	2.6E+07	2.6E+07	*	8.9E-210	2.11E-208	0.403529	chr1_25567201_2556740(	sig	hyper
chr1	2.6E+07	2.6E+07	*	3.423E-85	1.526E-84	0.207341	chr1_25618201_2561840(	sig	hyper
chr1	2.6E+07	2.6E+07	*	1.547E-52	4.289E-52	-0.21851	chr1_25890601_2589080(	sig	hypo
chr1	2.6E+07	2.6E+07	*	1.224E-87	5.646E-87	0.126532	chr1_26046401_2604660(	sig	hyper
chr1	2.6E+07	2.6E+07	*	6.574E-24	1.077E-23	0.107449	chr1_26046601_2604680(	sig	hyper
chr1	2.6E+07	2.6E+07	*	2.001E-28	3.622E-28	0.166012	chr1_26201401_2620160(	sig	hyper
chr1	2.6E+07	2.6E+07	*	3.806E-15	4.958E-15	-0.13022	chr1_26220601_2622080(	sig	hypo
chr1	2.6E+07	2.6E+07	*	1.376E-38	3.037E-38	0.106397	chr1_26225601_2622580(	sig	hyper
chr1	2.6E+07	2.6E+07	*	8.947E-37	1.913E-36	0.132039	chr1_26282401_2628260(	sig	hyper
chr1	2.6E+07	2.6E+07	*	4.363E-42	1.021E-41	0.131442	chr1_26360401_2636060(	sig	hyper
chr1	2.6E+07	2.6E+07	*	1.68E-122	1.23E-121	0.196331	chr1_26360601_2636080(	sig	hyper
chr1	2.6E+07	2.6E+07	*	2.623E-77	1.048E-76	0.189412	chr1_26410801_2641100(	sig	hyper
chr1	2.6E+07	2.6E+07	*	2.49E-220	6.8E-219	0.1577	chr1_26411401_2641160(	sig	hyper
chr1	2.6E+07	2.6E+07	*	1.071E-53	3.029E-53	0.210866	chr1_26411601_2641180(	sig	hyper
chr1	2.7E+07	2.7E+07	*	3.002E-32	5.871E-32	-0.15479	chr1_26863201_2686340(	sig	hypo
chr1	2.7E+07	2.7E+07	*	5.686E-65	1.909E-64	-0.19863	chr1_26863401_2686360(	sig	hypo
chr1	2.7E+07	2.7E+07	*	2.913E-75	1.13E-74	-0.25341	chr1_26863601_2686380(	sig	hypo
chr1	2.7E+07	2.7E+07	*	2.512E-51	6.824E-51	0.112719	chr1_27006601_2700680(	sig	hyper
chr1	2.7E+07	2.7E+07	*	1.777E-14	2.265E-14	-0.11431	chr1_27154201_2715440(	sig	hypo
chr1	2.7E+07	2.7E+07	*	2.196E-79	9.047E-79	-0.13237	chr1_27341801_2734200(	sig	hypo
chr1	2.7E+07	2.7E+07	*	7.422E-83	3.208E-82	-0.14049	chr1_27342001_2734220(	sig	hypo
chr1	2.7E+07	2.7E+07	*	9.3E-99	4.979E-98	0.288707	chr1_27350601_2735080(	sig	hyper
chr1	2.7E+07	2.7E+07	*	9.274E-45	2.27E-44	0.284374	chr1_27350801_2735100(	sig	hyper
chr1	2.7E+07	2.7E+07	*	1.6E-198	3.31E-197	0.294034	chr1_27351401_2735160(	sig	hyper
chr1	2.7E+07	2.7E+07	*	3.085E-33	6.158E-33	0.155747	chr1_27360201_2736040(	sig	hyper

chr1	2.7E+07	2.7E+07	*	3.369E-72	1.249E-71	0.271814	chr1_27403201_2740340(	sig	hyper
chr1	2.7E+07	2.7E+07	*	7.72E-206	1.74E-204	0.329509	chr1_27403401_2740360(	sig	hyper
chr1	2.8E+07	2.8E+07	*	2.652E-14	3.36E-14	0.144164	chr1_27522401_2752260(	sig	hyper
chr1	2.8E+07	2.8E+07	*	1.008E-22	1.605E-22	-0.11118	chr1_27549401_2754960(	sig	hypo
chr1	2.8E+07	2.8E+07	*	2.38E-50	6.378E-50	0.150456	chr1_27634401_2763460(	sig	hyper
chr1	2.8E+07	2.8E+07	*	1.629E-17	2.266E-17	-0.11183	chr1_27635201_2763540(	sig	hypo
chr1	2.8E+07	2.8E+07	*	8.757E-65	2.93E-64	-0.18315	chr1_27659401_2765960(	sig	hypo
chr1	2.8E+07	2.8E+07	*	1.414E-30	2.674E-30	0.130593	chr1_27668201_2766840(	sig	hyper
chr1	2.8E+07	2.8E+07	*	7.658E-61	2.415E-60	0.123123	chr1_27669401_2766960(	sig	hyper
chr1	2.8E+07	2.8E+07	*	1.052E-34	2.161E-34	-0.11494	chr1_27958801_2795900(	sig	hypo
chr1	2.9E+07	2.9E+07	*	9.811E-29	1.789E-28	-0.16986	chr1_28813201_2881340(	sig	hypo
chr1	2.9E+07	2.9E+07	*	7.368E-29	1.346E-28	-0.11293	chr1_29349801_2935000(	sig	hypo
chr1	2.9E+07	2.9E+07	*	1.081E-14	1.387E-14	-0.11507	chr1_29350001_2935020(	sig	hypo
chr1	3.1E+07	3.1E+07	*	1.268E-17	1.768E-17	-0.12518	chr1_31423601_3142380(	sig	hypo
chr1	3.2E+07	3.2E+07	*	4.634E-22	7.258E-22	-0.14271	chr1_31619401_3161960(	sig	hypo
chr1	3.2E+07	3.2E+07	*	1.903E-28	3.447E-28	0.204252	chr1_31626401_3162660(	sig	hyper
chr1	3.2E+07	3.2E+07	*	2.402E-34	4.905E-34	-0.20409	chr1_31754401_3175460(	sig	hypo
chr1	3.2E+07	3.2E+07	*	1.793E-15	2.357E-15	0.147091	chr1_31771801_3177200(	sig	hyper
chr1	3.2E+07	3.2E+07	*	2.06E-263	9.68E-262	0.321187	chr1_31772201_3177240(	sig	hyper
chr1	3.2E+07	3.2E+07	*	9.429E-33	1.863E-32	0.151626	chr1_31773001_3177320(	sig	hyper
chr1	3.2E+07	3.2E+07	*	3.697E-32	7.216E-32	0.103156	chr1_32275801_3227600(	sig	hyper
chr1	3.2E+07	3.2E+07	*	1.361E-95	7.009E-95	0.216831	chr1_32464601_3246480(	sig	hyper
chr1	3.2E+07	3.2E+07	*	2.095E-29	3.869E-29	0.166156	chr1_32465601_3246580(	sig	hyper
chr1	3.3E+07	3.3E+07	*	7.209E-97	3.776E-96	0.276685	chr1_32765601_3276580(	sig	hyper
chr1	3.3E+07	3.3E+07	*	2.211E-33	4.426E-33	-0.20447	chr1_32769601_3276980(	sig	hypo
chr1	3.3E+07	3.3E+07	*	1.436E-68	5.057E-68	0.121913	chr1_32886001_3288620(	sig	hyper
chr1	3.3E+07	3.3E+07	*	1.721E-17	2.392E-17	0.10011	chr1_32901801_3290200(	sig	hyper
chr1	3.3E+07	3.3E+07	*	6.09E-35	1.258E-34	-0.1152	chr1_32924801_3292500(	sig	hypo
chr1	3.3E+07	3.3E+07	*	7.263E-48	1.872E-47	0.152975	chr1_32926001_3292620(	sig	hyper
chr1	3.3E+07	3.3E+07	*	6.201E-97	3.25E-96	0.282607	chr1_33307001_3330720(	sig	hyper
chr1	3.4E+07	3.4E+07	*	4.1E-107	2.45E-106	0.233751	chr1_34163401_3416360(	sig	hyper
chr1	3.4E+07	3.4E+07	*	3.17E-100	1.72E-99	0.143195	chr1_34163601_3416380(	sig	hyper
chr1	3.4E+07	3.4E+07	*	1.1E-99	5.93E-99	0.248656	chr1_34165201_3416540(	sig	hyper
chr1	3.4E+07	3.4E+07	*	6.538E-26	1.125E-25	0.114708	chr1_34165601_3416580(	sig	hyper
chr1	3.4E+07	3.4E+07	*	1.019E-65	3.458E-65	0.191456	chr1_34176601_3417680(	sig	hyper
chr1	3.5E+07	3.5E+07	*	4.024E-51	1.089E-50	-0.2414	chr1_34783601_3478380(	sig	hypo
chr1	3.5E+07	3.5E+07	*	6.361E-45	1.56E-44	0.132541	chr1_34977001_3497720(	sig	hyper
chr1	3.6E+07	3.6E+07	*	6.67E-149	6.98E-148	0.387606	chr1_35560801_3556100(	sig	hyper
chr1	3.6E+07	3.6E+07	*	3.96E-232	1.25E-230	0.469303	chr1_35561001_3556120(	sig	hyper
chr1	3.6E+07	3.6E+07	*	1.631E-47	4.184E-47	0.137892	chr1_35577401_3557760(	sig	hyper
chr1	3.6E+07	3.6E+07	*	3.939E-82	1.684E-81	0.268517	chr1_35577601_3557780(	sig	hyper
chr1	3.6E+07	3.6E+07	*	2.387E-17	3.304E-17	0.165131	chr1_35578001_3557820(	sig	hyper
chr1	3.6E+07	3.6E+07	*	2.296E-25	3.893E-25	0.10151	chr1_35807601_3580780(	sig	hyper
chr1	3.6E+07	3.6E+07	*	1.538E-69	5.495E-69	0.256719	chr1_36176201_3617640(	sig	hyper
chr1	3.6E+07	3.6E+07	*	1.97E-36	4.186E-36	0.157999	chr1_36178401_3617860(	sig	hyper
chr1	3.6E+07	3.6E+07	*	2.026E-19	2.971E-19	0.121018	chr1_36320601_3632080(	sig	hyper
chr1	3.6E+07	3.6E+07	*	5.34E-145	5.26E-144	0.221335	chr1_36321001_3632120(	sig	hyper
chr1	3.6E+07	3.6E+07	*	7.152E-17	9.77E-17	0.168495	chr1_36321601_3632180(	sig	hyper
chr1	3.6E+07	3.6E+07	*	1.284E-32	2.532E-32	0.118358	chr1_36324201_3632440(	sig	hyper
chr1	3.7E+07	3.7E+07	*	5.242E-36	1.102E-35	-0.10136	chr1_36806201_3680640(	sig	hypo
chr1	3.7E+07	3.7E+07	*	3.07E-81	1.294E-80	0.186829	chr1_37033001_3703320(	sig	hyper
chr1	3.7E+07	3.7E+07	*	1.07E-195	2.12E-194	0.212897	chr1_37034801_3703500(	sig	hyper
chr1	3.7E+07	3.7E+07	*	1.827E-33	3.66E-33	0.188475	chr1_37035001_3703520(	sig	hyper
chr1	3.7E+07	3.7E+07	*	3.363E-59	1.034E-58	0.188602	chr1_37318201_3731840(	sig	hyper
chr1	3.7E+07	3.7E+07	*	1.67E-287	1.06E-285	-0.30577	chr1_37475601_3747580(	sig	hypo
chr1	3.7E+07	3.7E+07	*	1.865E-52	5.158E-52	-0.11707	chr1_37481601_3748180(	sig	hypo

chr1	3.8E+07	3.8E+07	*	1.715E-62	5.549E-62	0.112702	chr1_37556801_3755700(	sig	hyper
chr1	3.8E+07	3.8E+07	*	0	0	0.333452	chr1_37557001_3755720(	sig	hyper
chr1	3.8E+07	3.8E+07	*	1.319E-18	1.892E-18	0.14274	chr1_37754401_3775460(	sig	hyper
chr1	3.8E+07	3.8E+07	*	3.903E-17	5.369E-17	0.107226	chr1_37761401_3776160(	sig	hyper
chr1	3.8E+07	3.8E+07	*	4.306E-67	1.488E-66	0.183201	chr1_37761601_3776180(	sig	hyper
chr1	3.8E+07	3.8E+07	*	3.322E-20	4.975E-20	0.120415	chr1_37761801_3776200(	sig	hyper
chr1	3.8E+07	3.8E+07	*	4.203E-62	1.352E-61	0.138867	chr1_37947001_3794720(	sig	hyper
chr1	3.8E+07	3.8E+07	*	2.486E-25	4.21E-25	0.126509	chr1_37996201_3799640(	sig	hyper
chr1	3.8E+07	3.8E+07	*	2.15E-277	1.21E-275	0.276243	chr1_38044401_3804460(	sig	hyper
chr1	3.8E+07	3.8E+07	*	8.765E-96	4.526E-95	0.287374	chr1_38047801_3804800(	sig	hyper
chr1	3.8E+07	3.8E+07	*	8.96E-123	6.59E-122	0.148688	chr1_38134401_3813460(	sig	hyper
chr1	3.8E+07	3.8E+07	*	4.98E-28	8.947E-28	0.11754	chr1_38292001_3829220(	sig	hyper
chr1	3.8E+07	3.8E+07	*	3.425E-51	9.286E-51	0.229611	chr1_38476601_3847680(	sig	hyper
chr1	3.9E+07	3.9E+07	*	3.276E-12	3.864E-12	-0.1203	chr1_38559201_3855940(	sig	hypo
chr1	3.9E+07	3.9E+07	*	2.409E-59	7.422E-59	-0.23515	chr1_38570201_3857040(	sig	hypo
chr1	3.9E+07	3.9E+07	*	4.88E-265	2.39E-263	0.233157	chr1_38578401_3857860(	sig	hyper
chr1	3.9E+07	3.9E+07	*	3.666E-95	1.878E-94	0.116656	chr1_38578601_3857880(	sig	hyper
chr1	4E+07	4E+07	*	2.819E-46	7.075E-46	0.161297	chr1_39515601_3951580(	sig	hyper
chr1	4E+07	4E+07	*	4.23E-223	1.19E-221	0.294164	chr1_39671401_3967160(	sig	hyper
chr1	4E+07	4E+07	*	7.283E-71	2.654E-70	-0.24715	chr1_39884201_3988440(	sig	hypo
chr1	4E+07	4E+07	*	1.473E-35	3.077E-35	0.136662	chr1_39922601_3992280(	sig	hyper
chr1	4E+07	4E+07	*	5.6E-143	5.37E-142	0.259572	chr1_40132601_4013280(	sig	hyper
chr1	4.1E+07	4.1E+07	*	5.32E-155	6.03E-154	0.272216	chr1_40754401_4075460(	sig	hyper
chr1	4.1E+07	4.1E+07	*	5.082E-63	1.656E-62	0.185062	chr1_40979001_4097920(	sig	hyper
chr1	4.1E+07	4.1E+07	*	4.334E-18	6.125E-18	0.113162	chr1_41381601_4138180(	sig	hyper
chr1	4.1E+07	4.1E+07	*	1.116E-58	3.407E-58	0.205968	chr1_41383401_4138360(	sig	hyper
chr1	4.2E+07	4.2E+07	*	2.991E-26	5.182E-26	0.153297	chr1_42034801_4203500(	sig	hyper
chr1	4.3E+07	4.3E+07	*	5.501E-55	1.587E-54	0.167338	chr1_42785001_4278520(	sig	hyper
chr1	4.3E+07	4.3E+07	*	8.701E-49	2.278E-48	-0.16278	chr1_42957201_4295740(	sig	hypo
chr1	4.3E+07	4.3E+07	*	4.456E-29	8.177E-29	-0.16661	chr1_42957401_4295760(	sig	hypo
chr1	4.3E+07	4.3E+07	*	4.136E-35	8.564E-35	0.119671	chr1_42959601_4295980(	sig	hyper
chr1	4.3E+07	4.3E+07	*	8.397E-32	1.626E-31	-0.16565	chr1_43008001_4300820(	sig	hypo
chr1	4.3E+07	4.3E+07	*	3.469E-56	1.021E-55	-0.21076	chr1_43008201_4300840(	sig	hypo
chr1	4.3E+07	4.3E+07	*	1.994E-21	3.075E-21	-0.12339	chr1_43285801_4328600(	sig	hypo
chr1	4.3E+07	4.3E+07	*	4.075E-26	7.039E-26	0.110234	chr1_43348601_4334880(	sig	hyper
chr1	4.4E+07	4.4E+07	*	1.613E-49	4.27E-49	0.195054	chr1_43565401_4356560(	sig	hyper
chr1	4.4E+07	4.4E+07	*	3.705E-62	1.193E-61	-0.22312	chr1_44118801_4411900(	sig	hypo
chr1	4.4E+07	4.4E+07	*	7.277E-48	1.875E-47	0.139656	chr1_44220201_4422040(	sig	hyper
chr1	4.4E+07	4.4E+07	*	7.3E-209	1.71E-207	-0.2631	chr1_44261201_4426140(	sig	hypo
chr1	4.4E+07	4.4E+07	*	1.795E-98	9.576E-98	0.299123	chr1_44407801_4440800(	sig	hyper
chr1	4.4E+07	4.4E+07	*	6.185E-93	3.058E-92	0.218021	chr1_44409001_4440920(	sig	hyper
chr1	4.4E+07	4.4E+07	*	9.46E-176	1.42E-174	0.175133	chr1_44417401_4441760(	sig	hyper
chr1	4.5E+07	4.5E+07	*	5.954E-68	2.081E-67	0.185144	chr1_44617201_4461740(	sig	hyper
chr1	4.5E+07	4.5E+07	*	8.968E-62	2.872E-61	0.156989	chr1_44617401_4461760(	sig	hyper
chr1	4.5E+07	4.5E+07	*	8.11E-290	5.28E-288	0.317964	chr1_44638201_4463840(	sig	hyper
chr1	4.5E+07	4.5E+07	*	7.974E-65	2.671E-64	0.252765	chr1_44645601_4464580(	sig	hyper
chr1	4.5E+07	4.5E+07	*	1.82E-31	3.502E-31	-0.17114	chr1_44723201_4472340(	sig	hypo
chr1	4.5E+07	4.5E+07	*	4.161E-71	1.523E-70	0.14544	chr1_44784401_4478460(	sig	hyper
chr1	4.5E+07	4.5E+07	*	3.145E-13	3.853E-13	-0.13451	chr1_44801601_4480180(	sig	hypo
chr1	4.6E+07	4.6E+07	*	2.54E-123	1.88E-122	0.2426	chr1_45622601_4562280(	sig	hyper
chr1	4.6E+07	4.6E+07	*	9.21E-145	9.03E-144	0.288968	chr1_45622801_4562300(	sig	hyper
chr1	4.6E+07	4.6E+07	*	0	0	0.362128	chr1_45623201_4562340(	sig	hyper
chr1	4.6E+07	4.6E+07	*	2.376E-33	4.752E-33	0.188596	chr1_46448801_4644900(	sig	hyper
chr1	4.6E+07	4.6E+07	*	9.32E-122	6.76E-121	0.201639	chr1_46467001_4646720(	sig	hyper
chr1	4.6E+07	4.6E+07	*	1.39E-116	9.48E-116	0.267196	chr1_46485601_4648580(	sig	hyper
chr1	4.6E+07	4.6E+07	*	6.552E-48	1.69E-47	0.117271	chr1_46490801_4649100(	sig	hyper

chr1	4.6E+07	4.6E+07	*	9.303E-69	3.29E-68	0.225141	chr1_46493001_4649320(	sig	hyper
chr1	4.7E+07	4.7E+07	*	2.908E-68	1.02E-67	0.307373	chr1_46544401_4654460(	sig	hyper
chr1	4.7E+07	4.7E+07	*	2.515E-55	7.303E-55	-0.23127	chr1_46551001_4655120(	sig	hypo
chr1	4.7E+07	4.7E+07	*	3.522E-32	6.877E-32	0.187578	chr1_47225801_4722600(	sig	hyper
chr1	4.7E+07	4.7E+07	*	9.989E-33	1.973E-32	0.270802	chr1_47229201_4722940(	sig	hyper
chr1	4.7E+07	4.7E+07	*	3.818E-58	1.156E-57	0.128779	chr1_47432601_4743280(	sig	hyper
chr1	4.7E+07	4.7E+07	*	4.98E-110	3.11E-109	0.333387	chr1_47433401_4743360(	sig	hyper
chr1	4.7E+07	4.7E+07	*	5.49E-102	3.06E-101	0.315724	chr1_47433801_4743400(	sig	hyper
chr1	4.7E+07	4.7E+07	*	6.36E-265	3.1E-263	0.327783	chr1_47434401_4743460(	sig	hyper
chr1	4.7E+07	4.7E+07	*	3.35E-227	9.92E-226	0.343268	chr1_47434601_4743480(	sig	hyper
chr1	4.7E+07	4.7E+07	*	5.126E-43	1.218E-42	0.181063	chr1_47439601_4743980(	sig	hyper
chr1	4.7E+07	4.7E+07	*	7.035E-65	2.358E-64	0.246885	chr1_47439801_4744000(	sig	hyper
chr1	4.7E+07	4.7E+07	*	9.37E-138	8.38E-137	0.288278	chr1_47444201_4744440(	sig	hyper
chr1	4.7E+07	4.7E+07	*	5.54E-267	2.78E-265	0.3102	chr1_47444401_4744460(	sig	hyper
chr1	4.7E+07	4.7E+07	*	2.41E-121	1.74E-120	0.17234	chr1_47445001_4744520(	sig	hyper
chr1	4.7E+07	4.7E+07	*	1.01E-230	3.1E-229	0.247827	chr1_47445201_4744540(	sig	hyper
chr1	4.7E+07	4.7E+07	*	0	0	0.465595	chr1_47446201_4744640(	sig	hyper
chr1	4.7E+07	4.7E+07	*	2.507E-23	4.055E-23	0.111063	chr1_47449801_4745000(	sig	hyper
chr1	4.7E+07	4.7E+07	*	7.453E-36	1.562E-35	0.139557	chr1_47450201_4745040(	sig	hyper
chr1	4.8E+07	4.8E+07	*	4.158E-92	2.034E-91	0.142184	chr1_47533201_4753340(	sig	hyper
chr1	4.8E+07	4.8E+07	*	2.883E-20	4.323E-20	0.12432	chr1_47711001_4771120(	sig	hyper
chr1	4.8E+07	4.8E+07	*	5.654E-32	1.1E-31	0.119569	chr1_47726001_4772620(	sig	hyper
chr1	4.8E+07	4.8E+07	*	2.719E-55	7.889E-55	0.128438	chr1_47984201_4798440(	sig	hyper
chr1	4.8E+07	4.8E+07	*	3.105E-60	9.711E-60	0.220298	chr1_47986801_4798700(	sig	hyper
chr1	4.9E+07	4.9E+07	*	1.659E-53	4.675E-53	0.182554	chr1_48777001_4877720(	sig	hyper
chr1	5E+07	5E+07	*	6.625E-59	2.03E-58	0.218844	chr1_50047801_5004800(	sig	hyper
chr1	5E+07	5E+07	*	1.053E-94	5.352E-94	0.327222	chr1_50048601_5004880(	sig	hyper
chr1	5E+07	5E+07	*	4.46E-201	9.55E-200	0.277792	chr1_50416201_5041640(	sig	hyper
chr1	5E+07	5E+07	*	9.43E-135	8.12E-134	0.292486	chr1_50417201_5041740(	sig	hyper
chr1	5E+07	5E+07	*	0	0	0.317599	chr1_50417601_5041780(	sig	hyper
chr1	5E+07	5E+07	*	8.992E-78	3.617E-77	0.111803	chr1_50418801_5041900(	sig	hyper
chr1	5E+07	5E+07	*	1.636E-76	6.468E-76	0.12289	chr1_50419601_5041980(	sig	hyper
chr1	5E+07	5E+07	*	9.61E-112	6.15E-111	0.295584	chr1_50425401_5042560(	sig	hyper
chr1	5E+07	5E+07	*	7.61E-157	8.83E-156	0.218738	chr1_50425601_5042580(	sig	hyper
chr1	5E+07	5E+07	*	2.55E-93	1.268E-92	0.238817	chr1_50427201_5042740(	sig	hyper
chr1	5E+07	5E+07	*	7.01E-241	2.5E-239	0.205391	chr1_50427401_5042760(	sig	hyper
chr1	5E+07	5E+07	*	2.5E-210	5.98E-209	0.248257	chr1_50428001_5042820(	sig	hyper
chr1	5E+07	5E+07	*	1.366E-79	5.644E-79	0.172153	chr1_50428201_5042840(	sig	hyper
chr1	5E+07	5E+07	*	2.21E-179	3.49E-178	0.249511	chr1_50430401_5043060(	sig	hyper
chr1	5.1E+07	5.1E+07	*	2.838E-63	9.288E-63	-0.17591	chr1_50846401_5084660(	sig	hypo
chr1	5.3E+07	5.3E+07	*	1.425E-39	3.196E-39	0.157379	chr1_52602001_5260220(	sig	hyper
chr1	5.3E+07	5.3E+07	*	2.096E-73	7.895E-73	0.150085	chr1_52842801_5284300(	sig	hyper
chr1	5.3E+07	5.3E+07	*	6.69E-112	4.29E-111	0.274524	chr1_52843401_5284360(	sig	hyper
chr1	5.3E+07	5.3E+07	*	9.713E-13	1.169E-12	0.134434	chr1_53063201_5306340(	sig	hyper
chr1	5.3E+07	5.3E+07	*	2.5E-33	4.999E-33	-0.12881	chr1_53092801_5309300(	sig	hypo
chr1	5.3E+07	5.3E+07	*	1.895E-51	5.158E-51	0.200659	chr1_53135001_5313520(	sig	hyper
chr1	5.3E+07	5.3E+07	*	1.66E-122	1.21E-121	0.153813	chr1_53276601_5327680(	sig	hyper
chr1	5.3E+07	5.3E+07	*	8.52E-29	1.555E-28	-0.10062	chr1_53460201_5346040(	sig	hypo
chr1	5.4E+07	5.4E+07	*	5.275E-35	1.09E-34	-0.14007	chr1_53508001_5350820(	sig	hypo
chr1	5.4E+07	5.4E+07	*	6.237E-69	2.211E-68	0.245177	chr1_53526601_5352680(	sig	hyper
chr1	5.4E+07	5.4E+07	*	2.17E-160	2.64E-159	0.34337	chr1_53526801_5352700(	sig	hyper
chr1	5.4E+07	5.4E+07	*	1.02E-199	2.14E-198	0.138814	chr1_53738601_5373880(	sig	hyper
chr1	5.4E+07	5.4E+07	*	6.273E-11	7.064E-11	0.113453	chr1_54228201_5422840(	sig	hyper
chr1	5.4E+07	5.4E+07	*	1.267E-39	2.843E-39	-0.1989	chr1_54259601_5425980(	sig	hypo
chr1	5.5E+07	5.5E+07	*	6E-190	1.1E-188	0.376586	chr1_54548201_5454840(	sig	hyper
chr1	5.5E+07	5.5E+07	*	2.41E-119	1.69E-118	0.329273	chr1_54781201_5478140(	sig	hyper

chr1	5.5E+07	5.5E+07	*	4.59E-242	1.67E-240	0.24568	chr1_54781601_5478180(	sig	hyper
chr1	5.5E+07	5.5E+07	*	2.553E-29	4.707E-29	0.169477	chr1_54996801_5499700(	sig	hyper
chr1	5.5E+07	5.5E+07	*	7.105E-47	1.803E-46	0.144383	chr1_54997001_5499720(	sig	hyper
chr1	5.5E+07	5.5E+07	*	1.9E-34	3.888E-34	-0.13331	chr1_55040801_5504100(	sig	hypo
chr1	5.7E+07	5.7E+07	*	6.81E-115	4.56E-114	0.292691	chr1_57423001_5742320(	sig	hyper
chr1	5.7E+07	5.7E+07	*	6.092E-73	2.279E-72	0.217725	chr1_57423201_5742340(	sig	hyper
chr1	5.7E+07	5.7E+07	*	2.13E-99	1.149E-98	0.228472	chr1_57424801_5742500(	sig	hyper
chr1	5.8E+07	5.8E+07	*	1.52E-186	2.65E-185	0.182274	chr1_58249801_5825000(	sig	hyper
chr1	5.9E+07	5.9E+07	*	2.074E-85	9.277E-85	-0.17194	chr1_58814601_5881480(	sig	hypo
chr1	5.9E+07	5.9E+07	*	1.234E-30	2.337E-30	-0.13131	chr1_58814801_5881500(	sig	hypo
chr1	6.1E+07	6.1E+07	*	7.187E-69	2.545E-68	0.108004	chr1_61043201_6104340(	sig	hyper
chr1	6.1E+07	6.1E+07	*	4.094E-66	1.396E-65	-0.13845	chr1_61053801_6105400(	sig	hypo
chr1	6.1E+07	6.1E+07	*	3.985E-24	6.566E-24	-0.10885	chr1_61054201_6105440(	sig	hypo
chr1	6.3E+07	6.3E+07	*	1.259E-20	1.904E-20	0.1817	chr1_63074201_6307440(	sig	hyper
chr1	6.3E+07	6.3E+07	*	1.714E-24	2.848E-24	0.123226	chr1_63316601_6331680(	sig	hyper
chr1	6.3E+07	6.3E+07	*	2.283E-89	1.079E-88	0.292637	chr1_63319801_6332000(	sig	hyper
chr1	6.3E+07	6.3E+07	*	4.63E-226	1.34E-224	0.244071	chr1_63320201_6332040(	sig	hyper
chr1	6.3E+07	6.3E+07	*	2.203E-57	6.614E-57	0.164399	chr1_63320401_6332060(	sig	hyper
chr1	6.3E+07	6.3E+07	*	4.246E-25	7.153E-25	0.110095	chr1_63320601_6332080(	sig	hyper
chr1	6.3E+07	6.3E+07	*	6.921E-65	2.32E-64	0.102278	chr1_63323601_6332380(	sig	hyper
chr1	6.3E+07	6.3E+07	*	4.003E-51	1.084E-50	0.114104	chr1_63327001_6332720(	sig	hyper
chr1	6.3E+07	6.3E+07	*	1.135E-79	4.693E-79	0.230653	chr1_63329601_6332980(	sig	hyper
chr1	6.6E+07	6.6E+07	*	2.781E-68	9.758E-68	0.250933	chr1_65526001_6552620(	sig	hyper
chr1	6.6E+07	6.6E+07	*	3.247E-86	1.468E-85	0.257162	chr1_65792001_6579220(	sig	hyper
chr1	6.6E+07	6.6E+07	*	1.565E-59	4.838E-59	0.191749	chr1_65792601_6579280(	sig	hyper
chr1	6.7E+07	6.7E+07	*	2.66E-144	2.59E-143	0.236277	chr1_66534001_6653420(	sig	hyper
chr1	6.7E+07	6.7E+07	*	5.945E-39	1.319E-38	0.183467	chr1_66534201_6653440(	sig	hyper
chr1	6.7E+07	6.7E+07	*	9.764E-60	3.026E-59	0.148181	chr1_66752001_6675220(	sig	hyper
chr1	6.7E+07	6.7E+07	*	3.02E-104	1.73E-103	0.212256	chr1_66752201_6675240(	sig	hyper
chr1	6.7E+07	6.7E+07	*	1.839E-69	6.563E-69	0.112413	chr1_67307401_6730760(	sig	hyper
chr1	6.8E+07	6.8E+07	*	1.804E-74	6.911E-74	-0.2225	chr1_68046801_6804700(	sig	hypo
chr1	6.8E+07	6.8E+07	*	2.513E-55	7.298E-55	-0.16196	chr1_68047001_6804720(	sig	hypo
chr1	6.8E+07	6.8E+07	*	1.437E-48	3.747E-48	-0.20492	chr1_68050001_6805020(	sig	hypo
chr1	7E+07	7E+07	*	1.117E-82	4.812E-82	0.231018	chr1_69569401_6956960(	sig	hyper
chr1	7E+07	7E+07	*	1.624E-34	3.326E-34	0.17404	chr1_69569601_6956980(	sig	hyper
chr1	7.2E+07	7.2E+07	*	5.583E-86	2.516E-85	0.129566	chr1_72284401_7228460(	sig	hyper
chr1	7.2E+07	7.2E+07	*	2.166E-43	5.181E-43	-0.10302	chr1_72419201_7241940(	sig	hypo
chr1	7.5E+07	7.5E+07	*	1.978E-23	3.205E-23	0.189411	chr1_75124601_7512480(	sig	hyper
chr1	7.5E+07	7.5E+07	*	4.313E-37	9.278E-37	0.13863	chr1_75127801_7512800(	sig	hyper
chr1	7.5E+07	7.5E+07	*	6.745E-67	2.323E-66	0.195955	chr1_75128001_7512820(	sig	hyper
chr1	7.5E+07	7.5E+07	*	5.17E-173	7.5E-172	0.299544	chr1_75128401_7512860(	sig	hyper
chr1	7.5E+07	7.5E+07	*	1.41E-211	3.45E-210	0.284451	chr1_75130201_7513040(	sig	hyper
chr1	7.5E+07	7.5E+07	*	3.44E-123	2.55E-122	0.206384	chr1_75130401_7513060(	sig	hyper
chr1	7.5E+07	7.5E+07	*	9.82E-70	3.522E-69	0.190994	chr1_75131001_7513120(	sig	hyper
chr1	7.5E+07	7.5E+07	*	1.53E-112	9.88E-112	0.217676	chr1_75131201_7513140(	sig	hyper
chr1	7.5E+07	7.5E+07	*	4.171E-78	1.686E-77	0.197935	chr1_75133801_7513400(	sig	hyper
chr1	7.5E+07	7.5E+07	*	3.166E-63	1.035E-62	0.167097	chr1_75134401_7513460(	sig	hyper
chr1	7.5E+07	7.5E+07	*	1.242E-98	6.636E-98	0.179573	chr1_75134601_7513480(	sig	hyper
chr1	7.5E+07	7.5E+07	*	1.019E-96	5.319E-96	0.198173	chr1_75135201_7513540(	sig	hyper
chr1	7.5E+07	7.5E+07	*	4.09E-126	3.14E-125	0.193274	chr1_75135401_7513560(	sig	hyper
chr1	7.7E+07	7.7E+07	*	6.2E-148	6.38E-147	0.177838	chr1_76867401_7686760(	sig	hyper
chr1	7.7E+07	7.7E+07	*	2.949E-57	8.834E-57	0.229884	chr1_77281601_7728180(	sig	hyper
chr1	7.7E+07	7.7E+07	*	1.22E-120	8.72E-120	0.224065	chr1_77282401_7728260(	sig	hyper
chr1	7.7E+07	7.7E+07	*	1.46E-105	8.54E-105	0.199666	chr1_77282601_7728280(	sig	hyper
chr1	7.8E+07	7.8E+07	*	5.08E-121	3.65E-120	-0.16074	chr1_78045601_7804580(	sig	hypo
chr1	7.8E+07	7.8E+07	*	7.8E-182	1.27E-180	0.327193	chr1_78491001_7849120(	sig	hyper

chr1	7.8E+07	7.8E+07	*	2.78E-231	8.59E-230	0.274909	chr1_78491401_7849160(	sig	hyper
chr1	7.9E+07	7.9E+07	*	3.258E-67	1.127E-66	0.236297	chr1_79006601_7900680(	sig	hyper
chr1	8E+07	8E+07	*	2.658E-41	6.143E-41	-0.18198	chr1_80050801_8005100(	sig	hypo
chr1	8.2E+07	8.2E+07	*	8.136E-52	2.23E-51	-0.19196	chr1_81503201_8150340(	sig	hypo
chr1	8.2E+07	8.2E+07	*	1.076E-33	2.166E-33	0.16313	chr1_81802801_8180300(	sig	hyper
chr1	8.6E+07	8.6E+07	*	1.306E-36	2.784E-36	0.111459	chr1_85578001_8557820(	sig	hyper
chr1	8.6E+07	8.6E+07	*	1.941E-47	4.971E-47	0.205163	chr1_85578401_8557860(	sig	hyper
chr1	8.6E+07	8.6E+07	*	3.46E-228	1.03E-226	0.2185	chr1_85582801_8558300(	sig	hyper
chr1	8.6E+07	8.6E+07	*	1.216E-51	3.323E-51	0.172405	chr1_86156201_8615640(	sig	hyper
chr1	8.6E+07	8.6E+07	*	3.454E-96	1.795E-95	0.202915	chr1_86156601_8615680(	sig	hyper
chr1	8.6E+07	8.6E+07	*	1.31E-257	5.74E-256	0.202149	chr1_86156801_8615700(	sig	hyper
chr1	9.1E+07	9.1E+07	*	4.093E-75	1.584E-74	0.129601	chr1_90707001_9070720(	sig	hyper
chr1	9.1E+07	9.1E+07	*	4.56E-43	1.085E-42	0.113928	chr1_90707401_9070760(	sig	hyper
chr1	9.1E+07	9.1E+07	*	1.03E-138	9.27E-138	0.273924	chr1_90717401_9071760(	sig	hyper
chr1	9.1E+07	9.1E+07	*	1.432E-76	5.664E-76	0.241845	chr1_90719201_9071940(	sig	hyper
chr1	9.1E+07	9.1E+07	*	3.25E-95	1.666E-94	0.306698	chr1_90719601_9071980(	sig	hyper
chr1	9.1E+07	9.1E+07	*	2.901E-84	1.277E-83	0.231907	chr1_90723601_9072380(	sig	hyper
chr1	9.1E+07	9.1E+07	*	1.91E-181	3.1E-180	0.325006	chr1_90724401_9072460(	sig	hyper
chr1	9.1E+07	9.1E+07	*	4.27E-249	1.7E-247	0.303619	chr1_90724601_9072480(	sig	hyper
chr1	9.1E+07	9.1E+07	*	1.037E-95	5.351E-95	0.318817	chr1_90725001_9072520(	sig	hyper
chr1	9.1E+07	9.1E+07	*	7.789E-84	3.405E-83	0.233693	chr1_90725201_9072540(	sig	hyper
chr1	9.1E+07	9.1E+07	*	5.66E-103	3.19E-102	0.226023	chr1_90725401_9072560(	sig	hyper
chr1	9.1E+07	9.1E+07	*	2.048E-38	4.504E-38	0.120403	chr1_90725601_9072580(	sig	hyper
chr1	9.1E+07	9.1E+07	*	2.217E-89	1.048E-88	0.173972	chr1_90726801_9072700(	sig	hyper
chr1	9.1E+07	9.1E+07	*	1.139E-64	3.807E-64	0.155437	chr1_90729001_9072920(	sig	hyper
chr1	9.1E+07	9.1E+07	*	2.459E-51	6.681E-51	0.168681	chr1_90729801_9073000(	sig	hyper
chr1	9.1E+07	9.1E+07	*	1.13E-226	3.31E-225	0.304397	chr1_90834601_9083480(	sig	hyper
chr1	9.1E+07	9.1E+07	*	5.95E-162	7.42E-161	0.310602	chr1_90834801_9083500(	sig	hyper
chr1	9.2E+07	9.2E+07	*	1.65E-31	3.176E-31	-0.11451	chr1_91546401_9154660(	sig	hypo
chr1	9.2E+07	9.2E+07	*	6.348E-18	8.932E-18	0.103501	chr1_91886601_9188680(	sig	hyper
chr1	9.2E+07	9.2E+07	*	1.18E-107	7.13E-107	-0.24781	chr1_92029201_9202940(	sig	hypo
chr1	9.2E+07	9.2E+07	*	5.57E-112	3.57E-111	-0.23681	chr1_92029401_9202960(	sig	hypo
chr1	9.2E+07	9.2E+07	*	3.696E-71	1.354E-70	-0.26312	chr1_92441801_9244200(	sig	hypo
chr1	9.2E+07	9.2E+07	*	1.71E-252	7.03E-251	0.460809	chr1_92480401_9248060(	sig	hyper
chr1	9.2E+07	9.2E+07	*	2.41E-137	2.14E-136	0.259947	chr1_92481001_9248120(	sig	hyper
chr1	9.2E+07	9.2E+07	*	3.18E-186	5.51E-185	0.282249	chr1_92481201_9248140(	sig	hyper
chr1	9.2E+07	9.2E+07	*	1.763E-40	4.017E-40	0.217786	chr1_92481401_9248160(	sig	hyper
chr1	9.5E+07	9.5E+07	*	9.553E-89	4.49E-88	-0.17631	chr1_94540801_9454100(	sig	hypo
chr1	9.5E+07	9.5E+07	*	2.551E-36	5.408E-36	-0.1335	chr1_94541001_9454120(	sig	hypo
chr1	9.5E+07	9.5E+07	*	2.59E-101	1.43E-100	0.199591	chr1_95233201_9523340(	sig	hyper
chr1	9.5E+07	9.5E+07	*	5.942E-47	1.51E-46	0.118115	chr1_95233401_9523360(	sig	hyper
chr1	9.8E+07	9.8E+07	*	7.059E-47	1.791E-46	0.167806	chr1_98044601_9804480(	sig	hyper
chr1	9.8E+07	9.8E+07	*	2.82E-108	1.71E-107	0.211959	chr1_98049401_9804960(	sig	hyper
chr1	1E+08	1E+08	*	6.84E-93	3.379E-92	0.142739	chr1_100539801_100540(	sig	hyper
chr1	1E+08	1E+08	*	1.45E-178	2.27E-177	0.179897	chr1_101237001_101237(	sig	hyper
chr1	1E+08	1E+08	*	5.405E-93	2.673E-92	0.22565	chr1_101996401_101996(	sig	hyper
chr1	1E+08	1E+08	*	1.007E-34	2.07E-34	-0.15283	chr1_104073401_104073(	sig	hypo
chr1	1.1E+08	1.1E+08	*	3.24E-137	2.87E-136	0.271181	chr1_107140001_107140(	sig	hyper
chr1	1.1E+08	1.1E+08	*	2.341E-67	8.113E-67	0.150021	chr1_107140401_107140(	sig	hyper
chr1	1.1E+08	1.1E+08	*	5.146E-22	8.052E-22	0.167583	chr1_107480001_107480(	sig	hyper
chr1	1.1E+08	1.1E+08	*	5.917E-66	2.013E-65	0.185536	chr1_107480601_107480(	sig	hyper
chr1	1.1E+08	1.1E+08	*	2.36E-118	1.64E-117	0.212474	chr1_107964401_107964(	sig	hyper
chr1	1.1E+08	1.1E+08	*	1.38E-120	9.86E-120	0.205278	chr1_107964601_107964(	sig	hyper
chr1	1.1E+08	1.1E+08	*	5.1E-174	7.55E-173	0.224232	chr1_107965801_107966(	sig	hyper
chr1	1.1E+08	1.1E+08	*	4.706E-64	1.562E-63	0.170383	chr1_109466201_109466(	sig	hyper
chr1	1.1E+08	1.1E+08	*	7.89E-111	4.98E-110	0.353023	chr1_109668201_109668(	sig	hyper

chr1	1.1E+08	1.1E+08	*	9.84E-168	1.32E-166	0.167716	chr1_109739801_109740(	sig	hyper
chr1	1.1E+08	1.1E+08	*	3.911E-66	1.334E-65	0.117044	chr1_109740601_109740(	sig	hyper
chr1	1.1E+08	1.1E+08	*	6.11E-124	4.57E-123	0.155751	chr1_110068201_110068(	sig	hyper
chr1	1.1E+08	1.1E+08	*	9.563E-76	3.737E-75	0.154514	chr1_110068401_110068(	sig	hyper
chr1	1.1E+08	1.1E+08	*	7.73E-101	4.25E-100	0.21875	chr1_110069001_110069(	sig	hyper
chr1	1.1E+08	1.1E+08	*	4.024E-22	6.312E-22	0.13742	chr1_110069601_110069(	sig	hyper
chr1	1.1E+08	1.1E+08	*	1.56E-24	2.597E-24	0.101359	chr1_110130201_110130(	sig	hyper
chr1	1.1E+08	1.1E+08	*	2.73E-102	1.52E-101	0.252767	chr1_110151201_110151(	sig	hyper
chr1	1.1E+08	1.1E+08	*	6.496E-58	1.963E-57	0.1392	chr1_110211601_110211(	sig	hyper
chr1	1.1E+08	1.1E+08	*	9.8E-31	1.86E-30	-0.10011	chr1_110340801_110341(	sig	hypo
chr1	1.1E+08	1.1E+08	*	1.708E-33	3.424E-33	0.114609	chr1_110555201_110555(	sig	hyper
chr1	1.1E+08	1.1E+08	*	3.494E-74	1.334E-73	0.139296	chr1_110606201_110606(	sig	hyper
chr1	1.1E+08	1.1E+08	*	1.3E-138	1.17E-137	0.327854	chr1_110675401_110675(	sig	hyper
chr1	1.1E+08	1.1E+08	*	9.16E-131	7.49E-130	0.305951	chr1_110675601_110675(	sig	hyper
chr1	1.1E+08	1.1E+08	*	5.05E-218	1.34E-216	0.280571	chr1_111271001_111271(	sig	hyper
chr1	1.1E+08	1.1E+08	*	1.06E-229	3.22E-228	0.359526	chr1_111271401_111271(	sig	hyper
chr1	1.1E+08	1.1E+08	*	2.09E-28	3.782E-28	-0.12604	chr1_111619001_111619(	sig	hypo
chr1	1.1E+08	1.1E+08	*	9.23E-101	5.06E-100	0.202107	chr1_112744401_112744(	sig	hyper
chr1	1.1E+08	1.1E+08	*	1.522E-26	2.655E-26	-0.13751	chr1_112748201_112748(	sig	hypo
chr1	1.1E+08	1.1E+08	*	7.64E-237	2.56E-235	-0.37039	chr1_112850401_112850(	sig	hypo
chr1	1.1E+08	1.1E+08	*	1.25E-188	2.25E-187	-0.33548	chr1_112850601_112850(	sig	hypo
chr1	1.1E+08	1.1E+08	*	2.682E-68	9.414E-68	0.235999	chr1_112854601_112854(	sig	hyper
chr1	1.1E+08	1.1E+08	*	1.49E-100	8.15E-100	0.23272	chr1_114154001_114154(	sig	hyper
chr1	1.1E+08	1.1E+08	*	4.41E-185	7.51E-184	0.242963	chr1_114154201_114154(	sig	hyper
chr1	1.1E+08	1.1E+08	*	2.38E-209	5.61E-208	0.22539	chr1_114154401_114154(	sig	hyper
chr1	1.1E+08	1.1E+08	*	2.54E-53	7.137E-53	0.195784	chr1_114154601_114154(	sig	hyper
chr1	1.1E+08	1.1E+08	*	6.675E-51	1.802E-50	0.187462	chr1_114154801_114155(	sig	hyper
chr1	1.1E+08	1.1E+08	*	9.62E-109	5.89E-108	0.224442	chr1_114854801_114855(	sig	hyper
chr1	1.2E+08	1.2E+08	*	3.435E-46	8.602E-46	-0.14666	chr1_115283601_115283(	sig	hypo
chr1	1.2E+08	1.2E+08	*	1.289E-23	2.099E-23	-0.1367	chr1_115338801_115339(	sig	hypo
chr1	1.2E+08	1.2E+08	*	5.984E-35	1.236E-34	0.119405	chr1_115828201_115828(	sig	hyper
chr1	1.2E+08	1.2E+08	*	8.439E-97	4.411E-96	0.11107	chr1_115828601_115828(	sig	hyper
chr1	1.2E+08	1.2E+08	*	6.763E-59	2.072E-58	0.133819	chr1_115838201_115838(	sig	hyper
chr1	1.2E+08	1.2E+08	*	5.22E-109	3.21E-108	0.295448	chr1_118979601_118979(	sig	hyper
chr1	1.2E+08	1.2E+08	*	2.86E-114	1.9E-113	0.364391	chr1_118980201_118980(	sig	hyper
chr1	1.2E+08	1.2E+08	*	4.47E-107	2.68E-106	0.319159	chr1_118983401_118983(	sig	hyper
chr1	1.2E+08	1.2E+08	*	3.88E-190	7.11E-189	0.297967	chr1_118983601_118983(	sig	hyper
chr1	1.2E+08	1.2E+08	*	1.791E-95	9.213E-95	0.324565	chr1_118983801_118984(	sig	hyper
chr1	1.2E+08	1.2E+08	*	2.18E-263	1.02E-261	0.25103	chr1_118984401_118984(	sig	hyper
chr1	1.2E+08	1.2E+08	*	6.18E-145	6.08E-144	0.240007	chr1_118984601_118984(	sig	hyper
chr1	1.2E+08	1.2E+08	*	1.032E-45	2.561E-45	0.217212	chr1_118984801_118985(	sig	hyper
chr1	1.2E+08	1.2E+08	*	2.602E-64	8.658E-64	0.273238	chr1_118985001_118985(	sig	hyper
chr1	1.2E+08	1.2E+08	*	1.781E-63	5.856E-63	0.247064	chr1_118985201_118985(	sig	hyper
chr1	1.2E+08	1.2E+08	*	2.58E-133	2.19E-132	0.267705	chr1_118985401_118985(	sig	hyper
chr1	1.2E+08	1.2E+08	*	4.65E-209	1.1E-207	0.388434	chr1_118986001_118986(	sig	hyper
chr1	1.2E+08	1.2E+08	*	5.87E-200	1.24E-198	0.302574	chr1_118986601_118986(	sig	hyper
chr1	1.2E+08	1.2E+08	*	1.21E-138	1.09E-137	0.286414	chr1_118987401_118987(	sig	hyper
chr1	1.2E+08	1.2E+08	*	1.252E-88	5.871E-88	0.227436	chr1_118988401_118988(	sig	hyper
chr1	1.2E+08	1.2E+08	*	1.48E-124	1.11E-123	0.332729	chr1_118989001_118989(	sig	hyper
chr1	1.2E+08	1.2E+08	*	4.392E-84	1.926E-83	0.309228	chr1_118989201_118989(	sig	hyper
chr1	1.2E+08	1.2E+08	*	1.96E-272	1.04E-270	0.283442	chr1_118989401_118989(	sig	hyper
chr1	1.2E+08	1.2E+08	*	1.891E-88	8.836E-88	0.215463	chr1_118989601_118989(	sig	hyper
chr1	1.2E+08	1.2E+08	*	3.23E-133	2.73E-132	0.243597	chr1_118990201_118990(	sig	hyper
chr1	1.2E+08	1.2E+08	*	6.31E-106	3.71E-105	0.116765	chr1_118993001_118993(	sig	hyper
chr1	1.2E+08	1.2E+08	*	6.55E-260	2.96E-258	0.308037	chr1_119000401_119000(	sig	hyper
chr1	1.2E+08	1.2E+08	*	2.24E-196	4.47E-195	0.257196	chr1_119000601_119000(	sig	hyper

chr1	1.2E+08	1.2E+08	*	3.64E-104	2.08E-103	0.360467	chr1_119005801_119006	sig	hyper
chr1	1.2E+08	1.2E+08	*	1.18E-120	8.44E-120	0.361436	chr1_119006201_119006	sig	hyper
chr1	1.2E+08	1.2E+08	*	8.44E-265	4.11E-263	0.344256	chr1_119006401_119006	sig	hyper
chr1	1.2E+08	1.2E+08	*	6.11E-125	4.62E-124	0.301369	chr1_119006601_119006	sig	hyper
chr1	1.2E+08	1.2E+08	*	2.67E-173	3.89E-172	0.41	chr1_119007201_119007	sig	hyper
chr1	1.2E+08	1.2E+08	*	7.21E-183	1.18E-181	0.299345	chr1_119008201_119008	sig	hyper
chr1	1.2E+08	1.2E+08	*	5.02E-148	5.17E-147	0.32098	chr1_121006801_121007	sig	hyper
chr1	1.2E+08	1.2E+08	*	6.56E-126	5.03E-125	0.290575	chr1_121007001_121007	sig	hyper
chr1	1.2E+08	1.2E+08	*	7.91E-105	4.58E-104	0.230925	chr1_121009401_121009	sig	hyper
chr1	1.2E+08	1.2E+08	*	2.553E-78	1.035E-77	0.222503	chr1_121009601_121009	sig	hyper
chr1	1.2E+08	1.2E+08	*	1.698E-92	8.339E-92	0.345176	chr1_121117001_121117	sig	hyper
chr1	1.2E+08	1.2E+08	*	3.12E-161	3.84E-160	0.255005	chr1_121118201_121118	sig	hyper
chr1	1.2E+08	1.2E+08	*	7.596E-50	2.021E-49	0.134726	chr1_121184401_121184	sig	hyper
chr1	1.2E+08	1.2E+08	*	7.891E-50	2.098E-49	0.118242	chr1_121184601_121184	sig	hyper
chr1	1.2E+08	1.2E+08	*	2.225E-52	6.146E-52	0.113421	chr1_121184801_121185	sig	hyper
chr1	1.2E+08	1.2E+08	*	3.5E-245	1.33E-243	0.236239	chr1_121519601_121519	sig	hyper
chr1	1.4E+08	1.4E+08	*	9.609E-16	1.273E-15	0.12932	chr1_143424801_143425	sig	hyper
chr1	1.4E+08	1.4E+08	*	6.444E-25	1.082E-24	-0.12135	chr1_143575001_143575	sig	hypo
chr1	1.4E+08	1.4E+08	*	2.32E-152	2.55E-151	0.338204	chr1_143651401_143651	sig	hyper
chr1	1.4E+08	1.4E+08	*	3.87E-141	3.62E-140	0.307035	chr1_143651801_143652	sig	hyper
chr1	1.4E+08	1.4E+08	*	4.34E-144	4.23E-143	0.324618	chr1_143652001_143652	sig	hyper
chr1	1.4E+08	1.4E+08	*	0	0	0.394641	chr1_143652801_143653	sig	hyper
chr1	1.4E+08	1.4E+08	*	2.61E-127	2.04E-126	0.309616	chr1_143654801_143655	sig	hyper
chr1	1.4E+08	1.4E+08	*	4.459E-61	1.409E-60	0.296386	chr1_143661201_143661	sig	hyper
chr1	1.4E+08	1.4E+08	*	5.62E-195	1.1E-193	0.298393	chr1_143661801_143662	sig	hyper
chr1	1.4E+08	1.4E+08	*	2.41E-170	3.37E-169	0.41709	chr1_143698801_143699	sig	hyper
chr1	1.4E+08	1.4E+08	*	7.707E-25	1.292E-24	0.13302	chr1_143735801_143736	sig	hyper
chr1	1.4E+08	1.4E+08	*	0	0	0.483535	chr1_143904601_143904	sig	hyper
chr1	1.4E+08	1.4E+08	*	8.78E-122	6.37E-121	0.315089	chr1_143905201_143905	sig	hyper
chr1	1.4E+08	1.4E+08	*	0	0	0.290623	chr1_143905601_143905	sig	hyper
chr1	1.4E+08	1.4E+08	*	6.837E-60	2.126E-59	0.172829	chr1_144551201_144551	sig	hyper
chr1	1.4E+08	1.4E+08	*	4.07E-83	1.764E-82	0.16947	chr1_144551801_144552	sig	hyper
chr1	1.4E+08	1.4E+08	*	4.493E-71	1.643E-70	0.152305	chr1_144552001_144552	sig	hyper
chr1	1.4E+08	1.4E+08	*	1.313E-68	4.628E-68	0.14877	chr1_144560801_144561	sig	hyper
chr1	1.4E+08	1.4E+08	*	7.14E-101	3.92E-100	0.252207	chr1_144567401_144567	sig	hyper
chr1	1.5E+08	1.5E+08	*	1.387E-22	2.202E-22	0.109825	chr1_145156801_145157	sig	hyper
chr1	1.5E+08	1.5E+08	*	2.837E-20	4.254E-20	0.160511	chr1_145168201_145168	sig	hyper
chr1	1.5E+08	1.5E+08	*	4.036E-65	1.357E-64	0.17758	chr1_145168601_145168	sig	hyper
chr1	1.5E+08	1.5E+08	*	1.87E-108	1.14E-107	0.15707	chr1_145872201_145872	sig	hyper
chr1	1.5E+08	1.5E+08	*	3.772E-96	1.959E-95	0.118146	chr1_145961601_145961	sig	hyper
chr1	1.5E+08	1.5E+08	*	7.21E-280	4.15E-278	0.377623	chr1_146486601_146486	sig	hyper
chr1	1.5E+08	1.5E+08	*	1.341E-94	6.805E-94	0.210566	chr1_147072401_147072	sig	hyper
chr1	1.5E+08	1.5E+08	*	0	0	0.307718	chr1_147072601_147072	sig	hyper
chr1	1.5E+08	1.5E+08	*	4.69E-183	7.72E-182	0.241095	chr1_147073201_147073	sig	hyper
chr1	1.5E+08	1.5E+08	*	1.01E-177	1.55E-176	0.402704	chr1_147078201_147078	sig	hyper
chr1	1.5E+08	1.5E+08	*	2.54E-160	3.09E-159	0.399507	chr1_147078401_147078	sig	hyper
chr1	1.5E+08	1.5E+08	*	0	0	0.37168	chr1_147078801_147079	sig	hyper
chr1	1.5E+08	1.5E+08	*	3.46E-233	1.11E-231	0.434882	chr1_147079001_147079	sig	hyper
chr1	1.5E+08	1.5E+08	*	4.09E-168	5.54E-167	0.394118	chr1_147079201_147079	sig	hyper
chr1	1.5E+08	1.5E+08	*	3.315E-50	8.866E-50	0.222816	chr1_147079801_147080	sig	hyper
chr1	1.5E+08	1.5E+08	*	7.57E-157	8.78E-156	0.257276	chr1_147080001_147080	sig	hyper
chr1	1.5E+08	1.5E+08	*	3.799E-58	1.15E-57	0.219354	chr1_147080801_147081	sig	hyper
chr1	1.5E+08	1.5E+08	*	2.366E-63	7.76E-63	0.2336	chr1_147081001_147081	sig	hyper
chr1	1.5E+08	1.5E+08	*	2.69E-102	1.5E-101	0.269025	chr1_147178201_147178	sig	hyper
chr1	1.5E+08	1.5E+08	*	1.411E-22	2.24E-22	-0.10209	chr1_147242201_147242	sig	hypo
chr1	1.5E+08	1.5E+08	*	1.56E-115	1.06E-114	0.235181	chr1_148246601_148246	sig	hyper

chr1	1.5E+08	1.5E+08	*	6.932E-32	1.345E-31	0.127423	chr1_148264801_148265(	sig	hyper
chr1	1.5E+08	1.5E+08	*	2.31E-149	2.44E-148	0.264758	chr1_148309401_148309(	sig	hyper
chr1	1.5E+08	1.5E+08	*	1.05E-130	8.56E-130	0.290567	chr1_148309601_148309(	sig	hyper
chr1	1.5E+08	1.5E+08	*	8.509E-74	3.229E-73	0.3103	chr1_148309801_148310(	sig	hyper
chr1	1.5E+08	1.5E+08	*	1.55E-253	6.44E-252	0.370025	chr1_148310001_148310	sig	hyper
chr1	1.5E+08	1.5E+08	*	2.67E-187	4.72E-186	0.367216	chr1_148310201_148310	sig	hyper
chr1	1.5E+08	1.5E+08	*	6.39E-125	4.83E-124	0.314441	chr1_148310401_148310(	sig	hyper
chr1	1.5E+08	1.5E+08	*	1.584E-47	4.064E-47	0.177433	chr1_148317401_148317(	sig	hyper
chr1	1.5E+08	1.5E+08	*	1.916E-28	3.471E-28	0.203448	chr1_148317601_148317(	sig	hyper
chr1	1.5E+08	1.5E+08	*	2.28E-71	8.369E-71	0.294529	chr1_148318201_148318	sig	hyper
chr1	1.5E+08	1.5E+08	*	7.16E-131	5.86E-130	0.233915	chr1_148328801_148329(	sig	hyper
chr1	1.5E+08	1.5E+08	*	1.679E-88	7.859E-88	0.202873	chr1_148329001_148329	sig	hyper
chr1	1.5E+08	1.5E+08	*	7.292E-31	1.388E-30	0.174533	chr1_148329201_148329	sig	hyper
chr1	1.5E+08	1.5E+08	*	1.252E-39	2.81E-39	0.182505	chr1_148329401_148329(	sig	hyper
chr1	1.5E+08	1.5E+08	*	3.23E-106	1.91E-105	0.207647	chr1_148329601_148329(	sig	hyper
chr1	1.5E+08	1.5E+08	*	7.27E-13	8.791E-13	0.150174	chr1_148354001_148354	sig	hyper
chr1	1.5E+08	1.5E+08	*	2.26E-111	1.44E-110	0.215652	chr1_148354401_148354(	sig	hyper
chr1	1.5E+08	1.5E+08	*	3.94E-109	2.43E-108	0.239024	chr1_148354801_148355(	sig	hyper
chr1	1.5E+08	1.5E+08	*	1.17E-156	1.35E-155	0.186051	chr1_149900001_149900	sig	hyper
chr1	1.5E+08	1.5E+08	*	3.15E-224	8.98E-223	0.170463	chr1_150150801_150151(	sig	hyper
chr1	1.5E+08	1.5E+08	*	3.83E-99	2.059E-98	0.246884	chr1_150151401_150151(	sig	hyper
chr1	1.5E+08	1.5E+08	*	8.23E-69	2.912E-68	0.105467	chr1_150293801_150294(	sig	hyper
chr1	1.5E+08	1.5E+08	*	3.15E-27	5.574E-27	0.106036	chr1_150549601_150549(	sig	hyper
chr1	1.5E+08	1.5E+08	*	5.898E-65	1.979E-64	0.193293	chr1_150549801_150550(	sig	hyper
chr1	1.5E+08	1.5E+08	*	6.623E-83	2.864E-82	0.186866	chr1_150975201_150975	sig	hyper
chr1	1.5E+08	1.5E+08	*	5.866E-34	1.187E-33	0.107147	chr1_150975401_150975(	sig	hyper
chr1	1.5E+08	1.5E+08	*	2.863E-45	7.059E-45	0.230504	chr1_150979201_150979	sig	hyper
chr1	1.5E+08	1.5E+08	*	6.05E-102	3.37E-101	0.204859	chr1_151060401_151060(	sig	hyper
chr1	1.5E+08	1.5E+08	*	2.316E-29	4.274E-29	0.114102	chr1_151131401_151131(	sig	hyper
chr1	1.5E+08	1.5E+08	*	8.13E-187	1.43E-185	0.185835	chr1_151145801_151146(	sig	hyper
chr1	1.5E+08	1.5E+08	*	5.907E-52	1.622E-51	0.101188	chr1_151146001_151146	sig	hyper
chr1	1.5E+08	1.5E+08	*	1.08E-87	4.991E-87	0.229376	chr1_151165001_151165	sig	hyper
chr1	1.5E+08	1.5E+08	*	3.289E-23	5.307E-23	0.106996	chr1_151283201_151283	sig	hyper
chr1	1.5E+08	1.5E+08	*	5.75E-39	1.277E-38	0.15466	chr1_151717401_151717(	sig	hyper
chr1	1.5E+08	1.5E+08	*	1.486E-43	3.563E-43	0.163906	chr1_151721801_151722(	sig	hyper
chr1	1.5E+08	1.5E+08	*	2.506E-28	4.526E-28	0.160408	chr1_151838001_151838	sig	hyper
chr1	1.5E+08	1.5E+08	*	1.368E-20	2.068E-20	0.184466	chr1_151838201_151838	sig	hyper
chr1	1.5E+08	1.5E+08	*	4.992E-41	1.147E-40	0.161692	chr1_151838401_151838(	sig	hyper
chr1	1.5E+08	1.5E+08	*	2.991E-57	8.959E-57	0.19435	chr1_151838801_151839(	sig	hyper
chr1	1.5E+08	1.5E+08	*	2.07E-137	1.84E-136	0.267442	chr1_151839001_151839	sig	hyper
chr1	1.5E+08	1.5E+08	*	3.049E-44	7.399E-44	0.193256	chr1_152107801_152108(	sig	hyper
chr1	1.5E+08	1.5E+08	*	7.233E-65	2.424E-64	0.204094	chr1_152108801_152109(	sig	hyper
chr1	1.5E+08	1.5E+08	*	3.017E-30	5.668E-30	0.123402	chr1_152110801_152111(	sig	hyper
chr1	1.5E+08	1.5E+08	*	2.63E-120	1.87E-119	0.161563	chr1_152515601_152515	sig	hyper
chr1	1.5E+08	1.5E+08	*	2.719E-30	5.112E-30	0.130635	chr1_152515801_152516(	sig	hyper
chr1	1.5E+08	1.5E+08	*	3.196E-58	9.686E-58	-0.12246	chr1_152760601_152760	sig	hypo
chr1	1.5E+08	1.5E+08	*	4.998E-48	1.292E-47	-0.11478	chr1_152760801_152761(	sig	hypo
chr1	1.5E+08	1.5E+08	*	1.98E-105	1.16E-104	0.161269	chr1_153261601_153261	sig	hyper
chr1	1.5E+08	1.5E+08	*	3.47E-148	3.59E-147	-0.3373	chr1_153390401_153390(	sig	hypo
chr1	1.5E+08	1.5E+08	*	1.213E-35	2.537E-35	-0.11823	chr1_153633601_153633	sig	hypo
chr1	1.5E+08	1.5E+08	*	5.048E-35	1.044E-34	0.106594	chr1_153678401_153678(	sig	hyper
chr1	1.5E+08	1.5E+08	*	1.658E-44	4.041E-44	-0.17934	chr1_154323601_154323	sig	hypo
chr1	1.5E+08	1.5E+08	*	2.893E-39	6.454E-39	0.117253	chr1_154325001_154325	sig	hyper
chr1	1.5E+08	1.5E+08	*	1.11E-105	6.49E-105	0.160162	chr1_154325201_154325	sig	hyper
chr1	1.5E+08	1.5E+08	*	4.265E-12	5.01E-12	0.104846	chr1_154407601_154407	sig	hyper
chr1	1.5E+08	1.5E+08	*	7.063E-64	2.337E-63	0.123446	chr1_154501601_154501	sig	hyper

chr1	1.5E+08	1.5E+08	*	7.927E-26	1.36E-25	-0.11345	chr1_154532201_154532	sig	hypo
chr1	1.5E+08	1.5E+08	*	7.433E-57	2.211E-56	0.159343	chr1_154567401_154567	sig	hyper
chr1	1.5E+08	1.5E+08	*	5.454E-53	1.524E-52	0.249956	chr1_154869401_154869	sig	hyper
chr1	1.5E+08	1.5E+08	*	3.4E-156	3.91E-155	0.2957	chr1_154970001_154970	sig	hyper
chr1	1.6E+08	1.6E+08	*	1.038E-35	2.173E-35	0.172637	chr1_155062001_155062	sig	hyper
chr1	1.6E+08	1.6E+08	*	1.844E-50	4.946E-50	0.190828	chr1_155062401_155062	sig	hyper
chr1	1.6E+08	1.6E+08	*	4.678E-34	9.484E-34	0.127063	chr1_155211801_155212	sig	hyper
chr1	1.6E+08	1.6E+08	*	3.234E-34	6.582E-34	-0.10747	chr1_155243801_155244	sig	hypo
chr1	1.6E+08	1.6E+08	*	1.801E-41	4.174E-41	0.153451	chr1_155294401_155294	sig	hyper
chr1	1.6E+08	1.6E+08	*	1.768E-84	7.811E-84	0.231426	chr1_155320401_155320	sig	hyper
chr1	1.6E+08	1.6E+08	*	1.602E-71	5.891E-71	0.158524	chr1_155320801_155321	sig	hyper
chr1	1.6E+08	1.6E+08	*	4.627E-86	2.088E-85	0.162779	chr1_155321001_155321	sig	hyper
chr1	1.6E+08	1.6E+08	*	8.6E-130	6.93E-129	0.26058	chr1_155321401_155321	sig	hyper
chr1	1.6E+08	1.6E+08	*	5.802E-29	1.062E-28	0.104034	chr1_155910601_155910	sig	hyper
chr1	1.6E+08	1.6E+08	*	3.033E-27	5.369E-27	-0.12883	chr1_155961801_155962	sig	hypo
chr1	1.6E+08	1.6E+08	*	4.17E-101	2.3E-100	0.326088	chr1_156076401_156076	sig	hyper
chr1	1.6E+08	1.6E+08	*	3.77E-150	4.04E-149	0.334993	chr1_156076601_156076	sig	hyper
chr1	1.6E+08	1.6E+08	*	1.607E-20	2.424E-20	0.104868	chr1_156077201_156077	sig	hyper
chr1	1.6E+08	1.6E+08	*	1.035E-62	3.355E-62	0.222222	chr1_156161401_156161	sig	hyper
chr1	1.6E+08	1.6E+08	*	4.54E-59	1.394E-58	-0.19784	chr1_156241601_156241	sig	hypo
chr1	1.6E+08	1.6E+08	*	5.045E-66	1.718E-65	0.123141	chr1_156291401_156291	sig	hyper
chr1	1.6E+08	1.6E+08	*	2.987E-26	5.175E-26	0.135496	chr1_156388001_156388	sig	hyper
chr1	1.6E+08	1.6E+08	*	1.032E-96	5.389E-96	0.183203	chr1_156388201_156388	sig	hyper
chr1	1.6E+08	1.6E+08	*	8.825E-73	3.295E-72	0.133748	chr1_156420601_156420	sig	hyper
chr1	1.6E+08	1.6E+08	*	1.425E-58	4.342E-58	0.107498	chr1_156420801_156421	sig	hyper
chr1	1.6E+08	1.6E+08	*	9.199E-49	2.407E-48	0.275144	chr1_156642401_156642	sig	hyper
chr1	1.6E+08	1.6E+08	*	5.655E-94	2.841E-93	0.295052	chr1_156642601_156642	sig	hyper
chr1	1.6E+08	1.6E+08	*	4.799E-97	2.521E-96	0.307947	chr1_156646801_156647	sig	hyper
chr1	1.6E+08	1.6E+08	*	2.19E-241	7.85E-240	0.27096	chr1_156647001_156647	sig	hyper
chr1	1.6E+08	1.6E+08	*	3.39E-150	3.64E-149	0.240238	chr1_156657001_156657	sig	hyper
chr1	1.6E+08	1.6E+08	*	1.47E-106	8.74E-106	0.25639	chr1_156657201_156657	sig	hyper
chr1	1.6E+08	1.6E+08	*	1.037E-64	3.469E-64	-0.14231	chr1_156661401_156661	sig	hypo
chr1	1.6E+08	1.6E+08	*	1.265E-28	2.299E-28	0.180134	chr1_156676201_156676	sig	hyper
chr1	1.6E+08	1.6E+08	*	1.189E-64	3.974E-64	0.209597	chr1_156676401_156676	sig	hyper
chr1	1.6E+08	1.6E+08	*	2.352E-57	7.058E-57	0.156942	chr1_156844601_156844	sig	hyper
chr1	1.6E+08	1.6E+08	*	1.28E-172	1.84E-171	0.29535	chr1_156845001_156845	sig	hyper
chr1	1.6E+08	1.6E+08	*	2.936E-90	1.406E-89	0.226658	chr1_156845601_156845	sig	hyper
chr1	1.6E+08	1.6E+08	*	1.306E-63	4.304E-63	0.263144	chr1_156845801_156846	sig	hyper
chr1	1.6E+08	1.6E+08	*	1.691E-20	2.55E-20	0.116289	chr1_156849001_156849	sig	hyper
chr1	1.6E+08	1.6E+08	*	1.54E-166	2.04E-165	0.243807	chr1_156849201_156849	sig	hyper
chr1	1.6E+08	1.6E+08	*	1.345E-81	5.703E-81	0.161214	chr1_156860401_156860	sig	hyper
chr1	1.6E+08	1.6E+08	*	5.57E-137	4.93E-136	0.158044	chr1_156927401_156927	sig	hyper
chr1	1.6E+08	1.6E+08	*	3.895E-35	8.07E-35	0.153077	chr1_157994001_157994	sig	hyper
chr1	1.6E+08	1.6E+08	*	4.41E-147	4.49E-146	0.11932	chr1_158180801_158181	sig	hyper
chr1	1.6E+08	1.6E+08	*	9.08E-126	6.95E-125	0.124971	chr1_158181201_158181	sig	hyper
chr1	1.6E+08	1.6E+08	*	3.05E-254	1.28E-252	0.321356	chr1_158181401_158181	sig	hyper
chr1	1.6E+08	1.6E+08	*	2.24E-100	1.22E-99	0.331401	chr1_158181601_158181	sig	hyper
chr1	1.6E+08	1.6E+08	*	1.493E-76	5.904E-76	0.140493	chr1_159172001_159172	sig	hyper
chr1	1.6E+08	1.6E+08	*	1.71E-264	8.28E-263	0.325823	chr1_159188601_159188	sig	hyper
chr1	1.6E+08	1.6E+08	*	1.248E-30	2.362E-30	0.110094	chr1_159855201_159855	sig	hyper
chr1	1.6E+08	1.6E+08	*	1.602E-58	4.877E-58	-0.14529	chr1_159929801_159930	sig	hypo
chr1	1.6E+08	1.6E+08	*	1.861E-10	2.054E-10	-0.10468	chr1_159937601_159937	sig	hypo
chr1	1.6E+08	1.6E+08	*	1.181E-60	3.717E-60	0.111369	chr1_160084201_160084	sig	hyper
chr1	1.6E+08	1.6E+08	*	2.415E-78	9.792E-78	0.168061	chr1_160084401_160084	sig	hyper
chr1	1.6E+08	1.6E+08	*	1.011E-53	2.86E-53	0.215132	chr1_160370801_160371	sig	hyper
chr1	1.6E+08	1.6E+08	*	1.255E-32	2.475E-32	0.155742	chr1_160400001_160400	sig	hyper

chr1	1.6E+08	1.6E+08	*	5.98E-212	1.47E-210	0.286307	chr1_161079601_161079	sig	hyper
chr1	1.6E+08	1.6E+08	*	4.72E-103	2.66E-102	0.182188	chr1_161079801_161080	sig	hyper
chr1	1.6E+08	1.6E+08	*	1.05E-29	1.951E-29	0.183759	chr1_161201601_161201	sig	hyper
chr1	1.6E+08	1.6E+08	*	7.08E-116	4.8E-115	0.232658	chr1_161259001_161259	sig	hyper
chr1	1.6E+08	1.6E+08	*	7.42E-105	4.3E-104	0.213134	chr1_161422001_161422	sig	hyper
chr1	1.6E+08	1.6E+08	*	3.053E-46	7.654E-46	0.146969	chr1_161428001_161428	sig	hyper
chr1	1.6E+08	1.6E+08	*	4.29E-212	1.06E-210	0.222048	chr1_161525001_161525	sig	hyper
chr1	1.6E+08	1.6E+08	*	6.85E-270	3.56E-268	0.33319	chr1_161605801_161606	sig	hyper
chr1	1.6E+08	1.6E+08	*	4.02E-198	8.26E-197	0.23181	chr1_161621601_161621	sig	hyper
chr1	1.6E+08	1.6E+08	*	3.668E-48	9.503E-48	0.102543	chr1_162367401_162367	sig	hyper
chr1	1.6E+08	1.6E+08	*	1.076E-45	2.669E-45	0.161444	chr1_164320801_164321	sig	hyper
chr1	1.6E+08	1.6E+08	*	1.01E-120	7.22E-120	0.427234	chr1_164576201_164576	sig	hyper
chr1	1.6E+08	1.6E+08	*	0	0	0.350972	chr1_164576401_164576	sig	hyper
chr1	1.6E+08	1.6E+08	*	4.61E-158	5.42E-157	0.472539	chr1_164576801_164577	sig	hyper
chr1	1.7E+08	1.7E+08	*	3.361E-46	8.418E-46	0.190064	chr1_165235201_165235	sig	hyper
chr1	1.7E+08	1.7E+08	*	7.19E-149	7.52E-148	0.326741	chr1_165354401_165354	sig	hyper
chr1	1.7E+08	1.7E+08	*	3.7E-107	2.22E-106	0.359772	chr1_165355201_165355	sig	hyper
chr1	1.7E+08	1.7E+08	*	2.07E-100	1.13E-99	0.255057	chr1_165355601_165355	sig	hyper
chr1	1.7E+08	1.7E+08	*	2.589E-66	8.851E-66	0.143984	chr1_165356401_165356	sig	hyper
chr1	1.7E+08	1.7E+08	*	1.62E-154	1.82E-153	0.240227	chr1_165445201_165445	sig	hyper
chr1	1.7E+08	1.7E+08	*	8.765E-64	2.896E-63	0.10196	chr1_166165001_166165	sig	hyper
chr1	1.7E+08	1.7E+08	*	6.868E-20	1.019E-19	0.107796	chr1_166947801_166948	sig	hyper
chr1	1.7E+08	1.7E+08	*	1.016E-90	4.891E-90	-0.24539	chr1_166989001_166989	sig	hypo
chr1	1.7E+08	1.7E+08	*	2.888E-59	8.891E-59	0.106312	chr1_167439401_167439	sig	hyper
chr1	1.7E+08	1.7E+08	*	8.569E-47	2.171E-46	0.140986	chr1_167439601_167439	sig	hyper
chr1	1.7E+08	1.7E+08	*	8.452E-58	2.55E-57	0.152006	chr1_167439801_167440	sig	hyper
chr1	1.7E+08	1.7E+08	*	1.16E-114	7.72E-114	0.118986	chr1_167630401_167630	sig	hyper
chr1	1.7E+08	1.7E+08	*	2.027E-58	6.163E-58	0.146704	chr1_167635401_167635	sig	hyper
chr1	1.7E+08	1.7E+08	*	3.708E-61	1.173E-60	0.130447	chr1_167713601_167713	sig	hyper
chr1	1.7E+08	1.7E+08	*	1.181E-61	3.776E-61	0.250101	chr1_170660401_170660	sig	hyper
chr1	1.7E+08	1.7E+08	*	7.88E-224	2.24E-222	0.365831	chr1_170661201_170661	sig	hyper
chr1	1.7E+08	1.7E+08	*	1.166E-73	4.409E-73	0.2398	chr1_170662201_170662	sig	hyper
chr1	1.7E+08	1.7E+08	*	4.756E-25	8.004E-25	0.163112	chr1_170666801_170667	sig	hyper
chr1	1.7E+08	1.7E+08	*	1.368E-29	2.538E-29	0.214081	chr1_170667001_170667	sig	hyper
chr1	1.7E+08	1.7E+08	*	8.823E-96	4.555E-95	0.283583	chr1_170669601_170669	sig	hyper
chr1	1.7E+08	1.7E+08	*	6.22E-107	3.71E-106	0.227555	chr1_171841001_171841	sig	hyper
chr1	1.7E+08	1.7E+08	*	5.775E-84	2.529E-83	0.164415	chr1_171841201_171841	sig	hyper
chr1	1.7E+08	1.7E+08	*	4.77E-172	6.83E-171	0.135595	chr1_171841601_171841	sig	hyper
chr1	1.7E+08	1.7E+08	*	1.188E-78	4.842E-78	0.226911	chr1_173669801_173670	sig	hyper
chr1	1.8E+08	1.8E+08	*	4.551E-37	9.783E-37	0.155662	chr1_175044001_175044	sig	hyper
chr1	1.8E+08	1.8E+08	*	1.873E-56	5.533E-56	-0.1431	chr1_175044801_175045	sig	hypo
chr1	1.8E+08	1.8E+08	*	6.601E-31	1.257E-30	-0.11735	chr1_175045201_175045	sig	hypo
chr1	1.8E+08	1.8E+08	*	3.61E-162	4.5E-161	0.258504	chr1_177171001_177171	sig	hyper
chr1	1.8E+08	1.8E+08	*	2.3E-223	6.48E-222	0.280633	chr1_177171401_177171	sig	hyper
chr1	1.8E+08	1.8E+08	*	9.507E-42	2.214E-41	-0.16865	chr1_178037201_178037	sig	hypo
chr1	1.8E+08	1.8E+08	*	2.116E-34	4.326E-34	0.159669	chr1_178487001_178487	sig	hyper
chr1	1.8E+08	1.8E+08	*	7.67E-75	2.955E-74	-0.16637	chr1_179025001_179025	sig	hypo
chr1	1.8E+08	1.8E+08	*	3.107E-14	3.929E-14	-0.10842	chr1_179586801_179587	sig	hypo
chr1	1.8E+08	1.8E+08	*	1.05E-135	9.15E-135	-0.29917	chr1_179588601_179588	sig	hypo
chr1	1.8E+08	1.8E+08	*	4.253E-13	5.185E-13	0.110826	chr1_179592201_179592	sig	hyper
chr1	1.8E+08	1.8E+08	*	2.517E-91	1.223E-90	0.141891	chr1_179742801_179743	sig	hyper
chr1	1.8E+08	1.8E+08	*	1.91E-218	5.09E-217	0.218884	chr1_179743001_179743	sig	hyper
chr1	1.8E+08	1.8E+08	*	5.98E-124	4.47E-123	0.33197	chr1_179743801_179744	sig	hyper
chr1	1.8E+08	1.8E+08	*	7.258E-97	3.8E-96	0.311061	chr1_179744001_179744	sig	hyper
chr1	1.8E+08	1.8E+08	*	9.444E-19	1.361E-18	0.112516	chr1_179744601_179744	sig	hyper
chr1	1.8E+08	1.8E+08	*	3.576E-90	1.708E-89	-0.24487	chr1_179812601_179812	sig	hypo

chr1	1.8E+08	1.8E+08	*	6.125E-42	1.431E-41	0.135896	chr1_180235801_180236(	sig	hyper
chr1	1.8E+08	1.8E+08	*	7.72E-179	1.21E-177	0.298383	chr1_180913401_180913(	sig	hyper
chr1	1.8E+08	1.8E+08	*	2.76E-29	5.082E-29	0.11799	chr1_180954601_180954(	sig	hyper
chr1	1.8E+08	1.8E+08	*	9.46E-218	2.5E-216	0.273491	chr1_181318601_181318(	sig	hyper
chr1	1.8E+08	1.8E+08	*	4.88E-111	3.09E-110	-0.23838	chr1_181413601_181413(	sig	hypo
chr1	1.8E+08	1.8E+08	*	1.08E-243	4.03E-242	0.256239	chr1_181483601_181483(	sig	hyper
chr1	1.8E+08	1.8E+08	*	8.695E-87	3.962E-86	0.196345	chr1_181483801_181484(	sig	hyper
chr1	1.8E+08	1.8E+08	*	1.03E-188	1.86E-187	0.154247	chr1_181485801_181486(	sig	hyper
chr1	1.8E+08	1.8E+08	*	3.507E-66	1.197E-65	0.219018	chr1_181486001_181486(	sig	hyper
chr1	1.8E+08	1.8E+08	*	3.678E-30	6.902E-30	-0.15596	chr1_181798601_181798(	sig	hypo
chr1	1.8E+08	1.8E+08	*	3.298E-86	1.491E-85	0.198832	chr1_182056601_182056(	sig	hyper
chr1	1.8E+08	1.8E+08	*	1.154E-77	4.634E-77	0.191966	chr1_182056801_182057(	sig	hyper
chr1	1.8E+08	1.8E+08	*	5.617E-69	1.993E-68	0.23554	chr1_182952601_182952(	sig	hyper
chr1	1.8E+08	1.8E+08	*	4.556E-75	1.761E-74	-0.20753	chr1_183185801_183186(	sig	hypo
chr1	1.8E+08	1.8E+08	*	4.128E-33	8.219E-33	-0.11339	chr1_183186201_183186(	sig	hypo
chr1	1.8E+08	1.8E+08	*	1.444E-72	5.378E-72	-0.18816	chr1_183186401_183186(	sig	hypo
chr1	1.8E+08	1.8E+08	*	5.71E-176	8.62E-175	0.218403	chr1_183416801_183417(	sig	hyper
chr1	1.8E+08	1.8E+08	*	3.53E-130	2.86E-129	0.287465	chr1_183417001_183417(	sig	hyper
chr1	1.8E+08	1.8E+08	*	2.726E-61	8.642E-61	0.158751	chr1_183418201_183418(	sig	hyper
chr1	1.8E+08	1.8E+08	*	1.059E-26	1.853E-26	0.131185	chr1_183418401_183418(	sig	hyper
chr1	1.8E+08	1.8E+08	*	9.725E-52	2.662E-51	0.170774	chr1_184036401_184036(	sig	hyper
chr1	1.8E+08	1.8E+08	*	3.657E-32	7.139E-32	-0.14642	chr1_184664401_184664(	sig	hypo
chr1	1.9E+08	1.9E+08	*	4.391E-47	1.118E-46	0.146121	chr1_186680601_186680(	sig	hyper
chr1	1.9E+08	1.9E+08	*	8.766E-20	1.297E-19	0.106268	chr1_186681201_186681(	sig	hyper
chr1	1.9E+08	1.9E+08	*	3.974E-15	5.175E-15	-0.10397	chr1_187073801_187074(	sig	hypo
chr1	1.9E+08	1.9E+08	*	1.2E-193	2.3E-192	0.205872	chr1_190475601_190475(	sig	hyper
chr1	1.9E+08	1.9E+08	*	1.174E-40	2.683E-40	-0.16198	chr1_191026201_191026(	sig	hypo
chr1	2E+08	2E+08	*	6.53E-36	1.37E-35	-0.12846	chr1_195054401_195054(	sig	hypo
chr1	2E+08	2E+08	*	4.624E-38	1.011E-37	-0.20816	chr1_195721801_195722(	sig	hypo
chr1	2E+08	2E+08	*	5.168E-75	1.997E-74	0.199405	chr1_196608401_196608(	sig	hyper
chr1	2E+08	2E+08	*	3.039E-88	1.415E-87	0.201015	chr1_196878001_196878(	sig	hyper
chr1	2E+08	2E+08	*	4.166E-40	9.437E-40	0.101688	chr1_197911401_197911(	sig	hyper
chr1	2E+08	2E+08	*	9.783E-60	3.032E-59	0.108873	chr1_197913001_197913(	sig	hyper
chr1	2E+08	2E+08	*	1.62E-156	1.87E-155	0.296186	chr1_197913601_197913(	sig	hyper
chr1	2E+08	2E+08	*	1.234E-32	2.433E-32	0.13748	chr1_197919201_197919(	sig	hyper
chr1	2E+08	2E+08	*	2.401E-63	7.873E-63	0.192668	chr1_197919601_197919(	sig	hyper
chr1	2E+08	2E+08	*	1.597E-44	3.895E-44	0.191429	chr1_197920401_197920(	sig	hyper
chr1	2E+08	2E+08	*	8.132E-91	3.925E-90	0.279894	chr1_197921201_197921(	sig	hyper
chr1	2E+08	2E+08	*	3.74E-110	2.34E-109	0.20506	chr1_197921401_197921(	sig	hyper
chr1	2E+08	2E+08	*	1.709E-81	7.23E-81	-0.25382	chr1_198679601_198679(	sig	hypo
chr1	2E+08	2E+08	*	1.44E-134	1.24E-133	0.315137	chr1_200034201_200034(	sig	hyper
chr1	2E+08	2E+08	*	3.132E-42	7.352E-42	0.172819	chr1_200034801_200035(	sig	hyper
chr1	2E+08	2E+08	*	4.24E-188	7.55E-187	0.243885	chr1_200035401_200035(	sig	hyper
chr1	2E+08	2E+08	*	1.33E-222	3.73E-221	0.277103	chr1_200035601_200035(	sig	hyper
chr1	2E+08	2E+08	*	4.83E-237	1.63E-235	0.382804	chr1_200036001_200036(	sig	hyper
chr1	2E+08	2E+08	*	5.08E-178	7.84E-177	0.425452	chr1_200036201_200036(	sig	hyper
chr1	2E+08	2E+08	*	8.45E-104	4.81E-103	0.323306	chr1_200036601_200036(	sig	hyper
chr1	2E+08	2E+08	*	1.004E-41	2.338E-41	0.201739	chr1_200038201_200038(	sig	hyper
chr1	2E+08	2E+08	*	8.16E-132	6.77E-131	0.268258	chr1_200038401_200038(	sig	hyper
chr1	2E+08	2E+08	*	5.847E-65	1.962E-64	0.291064	chr1_200038601_200038(	sig	hyper
chr1	2E+08	2E+08	*	6.29E-170	8.73E-169	0.251888	chr1_200041001_200041(	sig	hyper
chr1	2E+08	2E+08	*	4.64E-234	1.5E-232	0.441715	chr1_200041401_200041(	sig	hyper
chr1	2E+08	2E+08	*	3.99E-152	4.37E-151	0.437683	chr1_200041601_200041(	sig	hyper
chr1	2E+08	2E+08	*	7.12E-179	1.12E-177	0.259043	chr1_200042201_200042(	sig	hyper
chr1	2E+08	2E+08	*	2.896E-41	6.687E-41	-0.1266	chr1_201024001_201024(	sig	hypo
chr1	2E+08	2E+08	*	9.82E-105	5.67E-104	0.169044	chr1_201469401_201469(	sig	hyper

chr1	2E+08	2E+08	*	1.08E-101	5.98E-101	0.26745	chr1_201469801_201470(	sig	hyper
chr1	2E+08	2E+08	*	2.499E-95	1.282E-94	0.100212	chr1_201648801_201649(	sig	hyper
chr1	2E+08	2E+08	*	4.819E-73	1.807E-72	0.130089	chr1_201649001_201649:	sig	hyper
chr1	2E+08	2E+08	*	3.301E-58	1E-57	0.199307	chr1_201889401_201889(	sig	hyper
chr1	2E+08	2E+08	*	1.56E-166	2.07E-165	-0.27981	chr1_202010601_202010:	sig	hypo
chr1	2E+08	2E+08	*	2.691E-95	1.38E-94	0.305854	chr1_202122801_202123(	sig	hyper
chr1	2E+08	2E+08	*	6.407E-85	2.846E-84	0.255891	chr1_203027001_203027:	sig	hyper
chr1	2E+08	2E+08	*	3.337E-30	6.266E-30	-0.15314	chr1_203055201_203055<	sig	hypo
chr1	2E+08	2E+08	*	3.118E-47	7.96E-47	0.107149	chr1_203629801_203630(	sig	hyper
chr1	2E+08	2E+08	*	1.764E-29	3.261E-29	-0.17379	chr1_204226001_204226:	sig	hypo
chr1	2E+08	2E+08	*	4.676E-87	2.137E-86	0.252957	chr1_204351001_204351:	sig	hyper
chr1	2E+08	2E+08	*	7.875E-46	1.959E-45	0.17017	chr1_204359801_204360(	sig	hyper
chr1	2E+08	2E+08	*	3.574E-27	6.318E-27	0.146123	chr1_204360001_204360:	sig	hyper
chr1	2E+08	2E+08	*	8.452E-17	1.152E-16	-0.12269	chr1_204377601_204377{	sig	hypo
chr1	2E+08	2E+08	*	3.79E-19	5.517E-19	-0.13099	chr1_204980401_204980(	sig	hypo
chr1	2.1E+08	2.1E+08	*	1.108E-38	2.448E-38	-0.18713	chr1_205058001_205058:	sig	hypo
chr1	2.1E+08	2.1E+08	*	4.829E-77	1.923E-76	0.209592	chr1_205314001_205314:	sig	hyper
chr1	2.1E+08	2.1E+08	*	7.47E-120	5.28E-119	0.18859	chr1_205456001_205456:	sig	hyper
chr1	2.1E+08	2.1E+08	*	1.116E-67	3.887E-67	0.234414	chr1_205568601_205568{	sig	hyper
chr1	2.1E+08	2.1E+08	*	2.381E-58	7.229E-58	-0.11083	chr1_205662801_205663(	sig	hypo
chr1	2.1E+08	2.1E+08	*	1.208E-54	3.468E-54	-0.19477	chr1_205774201_205774<	sig	hypo
chr1	2.1E+08	2.1E+08	*	1.78E-120	1.27E-119	0.219954	chr1_205850001_205850:	sig	hyper
chr1	2.1E+08	2.1E+08	*	1.511E-26	2.636E-26	0.128277	chr1_206118001_206118:	sig	hyper
chr1	2.1E+08	2.1E+08	*	3.845E-23	6.195E-23	-0.13042	chr1_207453001_207453:	sig	hypo
chr1	2.1E+08	2.1E+08	*	1.077E-65	3.653E-65	0.179064	chr1_207495801_207496(	sig	hyper
chr1	2.1E+08	2.1E+08	*	1.023E-58	3.126E-58	0.226303	chr1_207496201_207496<	sig	hyper
chr1	2.1E+08	2.1E+08	*	1.31E-131	1.08E-130	0.226043	chr1_207645001_207645:	sig	hyper
chr1	2.1E+08	2.1E+08	*	2.19E-134	1.87E-133	0.246384	chr1_207645201_207645<	sig	hyper
chr1	2.1E+08	2.1E+08	*	5.63E-237	1.9E-235	0.319567	chr1_207645401_207645(	sig	hyper
chr1	2.1E+08	2.1E+08	*	9.02E-240	3.17E-238	0.32078	chr1_207669601_207669{	sig	hyper
chr1	2.1E+08	2.1E+08	*	0	0	0.340573	chr1_207669801_207670(	sig	hyper
chr1	2.1E+08	2.1E+08	*	1.358E-30	2.569E-30	0.122799	chr1_207819201_207819<	sig	hyper
chr1	2.1E+08	2.1E+08	*	8.58E-180	1.36E-178	0.232935	chr1_207823601_207823{	sig	hyper
chr1	2.1E+08	2.1E+08	*	2.705E-93	1.344E-92	0.264541	chr1_207910601_207910{	sig	hyper
chr1	2.1E+08	2.1E+08	*	2.19E-109	1.35E-108	0.176137	chr1_207959001_207959:	sig	hyper
chr1	2.1E+08	2.1E+08	*	4.515E-90	2.154E-89	0.181853	chr1_207959401_207959(	sig	hyper
chr1	2.1E+08	2.1E+08	*	3.036E-25	5.13E-25	0.111599	chr1_209889201_209889<	sig	hyper
chr1	2.1E+08	2.1E+08	*	9.589E-60	2.973E-59	0.23179	chr1_209937801_209938(	sig	hyper
chr1	2.1E+08	2.1E+08	*	1.173E-43	2.819E-43	0.219953	chr1_209938601_209938{	sig	hyper
chr1	2.1E+08	2.1E+08	*	1.681E-17	2.337E-17	-0.12279	chr1_210252401_210252(	sig	hypo
chr1	2.1E+08	2.1E+08	*	6.683E-91	3.229E-90	-0.29341	chr1_210252601_210252{	sig	hypo
chr1	2.1E+08	2.1E+08	*	1.935E-84	8.545E-84	0.275774	chr1_210328201_210328<	sig	hyper
chr1	2.1E+08	2.1E+08	*	1.142E-43	2.745E-43	-0.14882	chr1_210683801_210684(	sig	hypo
chr1	2.1E+08	2.1E+08	*	1.033E-71	3.806E-71	-0.21285	chr1_211514601_211514{	sig	hypo
chr1	2.1E+08	2.1E+08	*	7.177E-22	1.12E-21	0.14455	chr1_211829401_211829(	sig	hyper
chr1	2.1E+08	2.1E+08	*	3.008E-24	4.97E-24	0.124775	chr1_211829601_211829{	sig	hyper
chr1	2.1E+08	2.1E+08	*	3.701E-26	6.399E-26	0.131634	chr1_211889401_211889(	sig	hyper
chr1	2.1E+08	2.1E+08	*	2.25E-149	2.38E-148	0.138132	chr1_212951201_212951<	sig	hyper
chr1	2.1E+08	2.1E+08	*	1.217E-14	1.558E-14	-0.10431	chr1_213979401_213979(	sig	hypo
chr1	2.1E+08	2.1E+08	*	1.71E-185	2.94E-184	0.303288	chr1_213980001_213980:	sig	hyper
chr1	2.1E+08	2.1E+08	*	3.121E-19	4.552E-19	-0.18044	chr1_213980801_213981(	sig	hypo
chr1	2.1E+08	2.1E+08	*	5.487E-39	1.219E-38	0.11857	chr1_213985201_213985<	sig	hyper
chr1	2.1E+08	2.1E+08	*	1.38E-103	7.83E-103	0.166373	chr1_214187201_214187<	sig	hyper
chr1	2.1E+08	2.1E+08	*	1.78E-163	2.27E-162	0.271863	chr1_214303801_214304(	sig	hyper
chr1	2.2E+08	2.2E+08	*	7.269E-80	3.017E-79	0.184876	chr1_215083201_215083<	sig	hyper
chr1	2.2E+08	2.2E+08	*	9.194E-76	3.593E-75	0.181868	chr1_215083401_215083(	sig	hyper

chr1	2.2E+08	2.2E+08	*	3.872E-23	6.237E-23	-0.14223	chr1_215086401_215086	sig	hypo
chr1	2.2E+08	2.2E+08	*	1.292E-43	3.101E-43	0.203433	chr1_217134401_217134	sig	hyper
chr1	2.2E+08	2.2E+08	*	2.06E-109	1.27E-108	0.130747	chr1_217134801_217135	sig	hyper
chr1	2.2E+08	2.2E+08	*	2.517E-63	8.244E-63	0.205734	chr1_217138001_217138	sig	hyper
chr1	2.2E+08	2.2E+08	*	3.637E-60	1.136E-59	0.188183	chr1_217138201_217138	sig	hyper
chr1	2.2E+08	2.2E+08	*	6.566E-82	2.799E-81	0.29864	chr1_217139601_217139	sig	hyper
chr1	2.2E+08	2.2E+08	*	1.595E-61	5.087E-61	0.203081	chr1_218346801_218347	sig	hyper
chr1	2.2E+08	2.2E+08	*	2.653E-50	7.103E-50	0.154081	chr1_218347401_218347	sig	hyper
chr1	2.2E+08	2.2E+08	*	1.899E-95	9.76E-95	0.157957	chr1_219928201_219928	sig	hyper
chr1	2.2E+08	2.2E+08	*	1.054E-76	4.177E-76	0.111047	chr1_220786201_220786	sig	hyper
chr1	2.2E+08	2.2E+08	*	2.476E-53	6.96E-53	0.234328	chr1_220877201_220877	sig	hyper
chr1	2.2E+08	2.2E+08	*	3.525E-52	9.704E-52	0.239529	chr1_220877401_220877	sig	hyper
chr1	2.2E+08	2.2E+08	*	2.257E-66	7.72E-66	0.262571	chr1_220877601_220877	sig	hyper
chr1	2.2E+08	2.2E+08	*	1.352E-88	6.337E-88	0.219131	chr1_220878401_220878	sig	hyper
chr1	2.2E+08	2.2E+08	*	3.91E-145	3.86E-144	0.187195	chr1_220878601_220878	sig	hyper
chr1	2.2E+08	2.2E+08	*	1.12E-165	1.47E-164	0.185749	chr1_220880801_220881	sig	hyper
chr1	2.2E+08	2.2E+08	*	2.5E-181	4.05E-180	0.300365	chr1_220881201_220881	sig	hyper
chr1	2.2E+08	2.2E+08	*	4.41E-128	3.48E-127	0.236186	chr1_220881401_220881	sig	hyper
chr1	2.2E+08	2.2E+08	*	6.29E-223	1.77E-221	0.391788	chr1_220882001_220882	sig	hyper
chr1	2.2E+08	2.2E+08	*	4.53E-197	9.16E-196	0.388342	chr1_220882201_220882	sig	hyper
chr1	2.2E+08	2.2E+08	*	8.52E-114	5.61E-113	0.306893	chr1_220882401_220882	sig	hyper
chr1	2.2E+08	2.2E+08	*	1.13E-87	5.215E-87	0.332549	chr1_220884001_220884	sig	hyper
chr1	2.2E+08	2.2E+08	*	0	0	0.462445	chr1_220884201_220884	sig	hyper
chr1	2.2E+08	2.2E+08	*	0	0	0.466222	chr1_220884401_220884	sig	hyper
chr1	2.2E+08	2.2E+08	*	1.58E-266	7.83E-265	0.457344	chr1_220884801_220885	sig	hyper
chr1	2.2E+08	2.2E+08	*	7.299E-66	2.481E-65	0.265107	chr1_220885401_220885	sig	hyper
chr1	2.2E+08	2.2E+08	*	1.94E-186	3.38E-185	0.236583	chr1_220887401_220887	sig	hyper
chr1	2.2E+08	2.2E+08	*	2.356E-36	5E-36	0.201558	chr1_220887601_220887	sig	hyper
chr1	2.2E+08	2.2E+08	*	2.917E-45	7.19E-45	-0.2292	chr1_220892001_220892	sig	hypo
chr1	2.2E+08	2.2E+08	*	1.68E-287	1.06E-285	0.445362	chr1_220894801_220895	sig	hyper
chr1	2.2E+08	2.2E+08	*	3.55E-76	1.395E-75	0.267629	chr1_220895001_220895	sig	hyper
chr1	2.2E+08	2.2E+08	*	1.87E-286	1.16E-284	0.353333	chr1_220895401_220895	sig	hyper
chr1	2.2E+08	2.2E+08	*	0	0	0.424386	chr1_220895601_220895	sig	hyper
chr1	2.2E+08	2.2E+08	*	7.151E-23	1.144E-22	-0.14219	chr1_222619201_222619	sig	hypo
chr1	2.2E+08	2.2E+08	*	9.199E-61	2.899E-60	0.204011	chr1_223116401_223116	sig	hyper
chr1	2.2E+08	2.2E+08	*	3.596E-45	8.847E-45	0.219817	chr1_223129401_223129	sig	hyper
chr1	2.2E+08	2.2E+08	*	1.46E-13	1.807E-13	0.131376	chr1_223129601_223129	sig	hyper
chr1	2.2E+08	2.2E+08	*	6.135E-70	2.206E-69	0.29819	chr1_224175601_224175	sig	hyper
chr1	2.2E+08	2.2E+08	*	7.71E-119	5.39E-118	0.361507	chr1_224175801_224176	sig	hyper
chr1	2.2E+08	2.2E+08	*	6.067E-48	1.566E-47	0.194669	chr1_224616201_224616	sig	hyper
chr1	2.2E+08	2.2E+08	*	2.417E-49	6.386E-49	0.126709	chr1_224616401_224616	sig	hyper
chr1	2.2E+08	2.2E+08	*	3.644E-88	1.695E-87	0.24217	chr1_224617801_224618	sig	hyper
chr1	2.2E+08	2.2E+08	*	3.595E-56	1.058E-55	0.182464	chr1_224618001_224618	sig	hyper
chr1	2.3E+08	2.3E+08	*	2.52E-117	1.74E-116	0.275675	chr1_225484001_225484	sig	hyper
chr1	2.3E+08	2.3E+08	*	4.999E-96	2.593E-95	-0.32426	chr1_225889801_225890	sig	hypo
chr1	2.3E+08	2.3E+08	*	3.04E-13	3.726E-13	-0.12038	chr1_225911201_225911	sig	hypo
chr1	2.3E+08	2.3E+08	*	6.156E-43	1.461E-42	-0.22823	chr1_226127201_226127	sig	hypo
chr1	2.3E+08	2.3E+08	*	5.903E-40	1.333E-39	-0.11047	chr1_226426401_226426	sig	hypo
chr1	2.3E+08	2.3E+08	*	4.49E-128	3.54E-127	0.314421	chr1_226737001_226737	sig	hyper
chr1	2.3E+08	2.3E+08	*	1.345E-22	2.136E-22	-0.10894	chr1_227493001_227493	sig	hypo
chr1	2.3E+08	2.3E+08	*	3.404E-48	8.825E-48	0.228045	chr1_227541801_227542	sig	hyper
chr1	2.3E+08	2.3E+08	*	7.269E-20	1.078E-19	0.151253	chr1_227560601_227560	sig	hyper
chr1	2.3E+08	2.3E+08	*	7.59E-278	4.28E-276	0.420511	chr1_227775001_227775	sig	hyper
chr1	2.3E+08	2.3E+08	*	0	0	0.392228	chr1_227775401_227775	sig	hyper
chr1	2.3E+08	2.3E+08	*	1.47E-164	1.89E-163	0.299121	chr1_227888001_227888	sig	hyper
chr1	2.3E+08	2.3E+08	*	1.628E-94	8.247E-94	-0.24476	chr1_227925401_227925	sig	hypo

chr1	2.3E+08	2.3E+08	*	2.85E-146	2.85E-145	0.283553	chr1_227944201_227944	sig	hyper
chr1	2.3E+08	2.3E+08	*	2.99E-56	8.818E-56	0.187243	chr1_228006201_228006	sig	hyper
chr1	2.3E+08	2.3E+08	*	4.57E-39	1.017E-38	0.183754	chr1_228058801_228059(	sig	hyper
chr1	2.3E+08	2.3E+08	*	1.446E-46	3.649E-46	0.122108	chr1_228059001_228059	sig	hyper
chr1	2.3E+08	2.3E+08	*	3.919E-55	1.133E-54	0.175656	chr1_228103801_228104(	sig	hyper
chr1	2.3E+08	2.3E+08	*	9.723E-25	1.627E-24	0.134668	chr1_228110201_228110	sig	hyper
chr1	2.3E+08	2.3E+08	*	1.23E-151	1.35E-150	0.311669	chr1_228158201_228158	sig	hyper
chr1	2.3E+08	2.3E+08	*	1.09E-173	1.61E-172	0.319478	chr1_228158401_228158(	sig	hyper
chr1	2.3E+08	2.3E+08	*	2.52E-178	3.92E-177	0.419372	chr1_228212401_228212(	sig	hyper
chr1	2.3E+08	2.3E+08	*	8.574E-42	1.998E-41	0.110338	chr1_228276401_228276(	sig	hyper
chr1	2.3E+08	2.3E+08	*	2.826E-57	8.469E-57	0.147174	chr1_228316001_228316	sig	hyper
chr1	2.3E+08	2.3E+08	*	1.394E-48	3.635E-48	-0.13502	chr1_228322001_228322	sig	hypo
chr1	2.3E+08	2.3E+08	*	3.89E-304	3.01E-302	-0.41231	chr1_228341201_228341	sig	hypo
chr1	2.3E+08	2.3E+08	*	8.98E-181	1.44E-179	-0.42136	chr1_228371201_228371	sig	hypo
chr1	2.3E+08	2.3E+08	*	1.99E-149	2.11E-148	0.158326	chr1_228379001_228379	sig	hyper
chr1	2.3E+08	2.3E+08	*	1.099E-81	4.665E-81	0.147366	chr1_228379201_228379	sig	hyper
chr1	2.3E+08	2.3E+08	*	5.598E-30	1.046E-29	0.175991	chr1_228417201_228417	sig	hyper
chr1	2.3E+08	2.3E+08	*	2.096E-46	5.275E-46	0.277794	chr1_228446401_228446(	sig	hyper
chr1	2.3E+08	2.3E+08	*	3.388E-43	8.079E-43	0.175256	chr1_228447001_228447	sig	hyper
chr1	2.3E+08	2.3E+08	*	2.383E-90	1.143E-89	0.202872	chr1_228464001_228464	sig	hyper
chr1	2.3E+08	2.3E+08	*	1.68E-260	7.64E-259	0.240775	chr1_228464401_228464(	sig	hyper
chr1	2.3E+08	2.3E+08	*	0	0	0.265377	chr1_228464601_228464(	sig	hyper
chr1	2.3E+08	2.3E+08	*	2.02E-222	5.61E-221	0.329632	chr1_228464801_228465(	sig	hyper
chr1	2.3E+08	2.3E+08	*	1.64E-107	9.85E-107	0.284221	chr1_228465201_228465	sig	hyper
chr1	2.3E+08	2.3E+08	*	4.293E-79	1.761E-78	0.29348	chr1_228465401_228465(	sig	hyper
chr1	2.3E+08	2.3E+08	*	5.293E-72	1.958E-71	0.183663	chr1_228469801_228470(	sig	hyper
chr1	2.3E+08	2.3E+08	*	3.225E-93	1.6E-92	0.245063	chr1_228470001_228470	sig	hyper
chr1	2.3E+08	2.3E+08	*	7.153E-21	1.089E-20	-0.11683	chr1_228501201_228501	sig	hypo
chr1	2.3E+08	2.3E+08	*	6.98E-232	2.19E-230	0.362576	chr1_228650201_228650	sig	hyper
chr1	2.3E+08	2.3E+08	*	1.095E-30	2.076E-30	0.147561	chr1_228737601_228737	sig	hyper
chr1	2.3E+08	2.3E+08	*	6.45E-65	2.163E-64	-0.18871	chr1_229270601_229270	sig	hypo
chr1	2.3E+08	2.3E+08	*	4.585E-37	9.854E-37	-0.14758	chr1_229344201_229344	sig	hypo
chr1	2.3E+08	2.3E+08	*	0	0	0.392501	chr1_229407201_229407	sig	hyper
chr1	2.3E+08	2.3E+08	*	1.15E-143	1.12E-142	0.277528	chr1_229407801_229408(	sig	hyper
chr1	2.3E+08	2.3E+08	*	4.21E-150	4.51E-149	0.257845	chr1_229432601_229432	sig	hyper
chr1	2.3E+08	2.3E+08	*	1.47E-161	1.82E-160	0.226896	chr1_229434001_229434	sig	hyper
chr1	2.3E+08	2.3E+08	*	4.31E-160	5.24E-159	0.305304	chr1_229434401_229434(	sig	hyper
chr1	2.3E+08	2.3E+08	*	2.72E-136	2.38E-135	-0.26515	chr1_229570401_229570(	sig	hypo
chr1	2.3E+08	2.3E+08	*	4.128E-21	6.319E-21	0.129022	chr1_230701401_230701(	sig	hyper
chr1	2.3E+08	2.3E+08	*	5.772E-80	2.399E-79	0.183042	chr1_231161201_231161	sig	hyper
chr1	2.3E+08	2.3E+08	*	1.916E-25	3.253E-25	0.108368	chr1_231162401_231162(	sig	hyper
chr1	2.3E+08	2.3E+08	*	5.89E-120	4.18E-119	0.28928	chr1_231163601_231163	sig	hyper
chr1	2.3E+08	2.3E+08	*	8.229E-79	3.361E-78	-0.1641	chr1_231336401_231336(	sig	hypo
chr1	2.3E+08	2.3E+08	*	4.064E-22	6.374E-22	0.112131	chr1_232327801_232328(	sig	hyper
chr1	2.3E+08	2.3E+08	*	8.01E-196	1.59E-194	0.1925	chr1_232805201_232805	sig	hyper
chr1	2.3E+08	2.3E+08	*	0	0	0.198578	chr1_232805401_232805(	sig	hyper
chr1	2.3E+08	2.3E+08	*	1.421E-40	3.244E-40	-0.12053	chr1_233614801_233615(	sig	hypo
chr1	2.3E+08	2.3E+08	*	3.531E-20	5.283E-20	-0.10304	chr1_234206801_234207(	sig	hypo
chr1	2.3E+08	2.3E+08	*	1.285E-57	3.868E-57	-0.22018	chr1_234234801_234235(	sig	hypo
chr1	2.3E+08	2.3E+08	*	2.551E-55	7.406E-55	-0.2088	chr1_234356601_234356	sig	hypo
chr1	2.3E+08	2.3E+08	*	1.655E-71	6.081E-71	-0.19669	chr1_234723201_234723	sig	hypo
chr1	2.3E+08	2.3E+08	*	0	0	-0.3103	chr1_234963201_234963	sig	hypo
chr1	2.3E+08	2.3E+08	*	4.81E-114	3.18E-113	0.275891	chr1_234969801_234970(	sig	hyper
chr1	2.3E+08	2.3E+08	*	1.073E-94	5.455E-94	0.127181	chr1_234970001_234970	sig	hyper
chr1	2.4E+08	2.4E+08	*	3.556E-60	1.11E-59	-0.26163	chr1_235642201_235642	sig	hypo
chr1	2.4E+08	2.4E+08	*	7.72E-117	5.27E-116	-0.27119	chr1_235642401_235642(	sig	hypo

chr1	2.4E+08	2.4E+08	*	5.909E-46	1.473E-45	0.108854	chr1_235650601_235650	sig	hyper
chr1	2.4E+08	2.4E+08	*	4.638E-27	8.179E-27	0.105384	chr1_235650801_235651	sig	hyper
chr1	2.4E+08	2.4E+08	*	1.108E-88	5.201E-88	0.215651	chr1_236064001_236064	sig	hyper
chr1	2.4E+08	2.4E+08	*	4.106E-90	1.96E-89	0.117162	chr1_236064201_236064	sig	hyper
chr1	2.4E+08	2.4E+08	*	0	0	0.256661	chr1_236065401_236065	sig	hyper
chr1	2.4E+08	2.4E+08	*	4.11E-112	2.64E-111	-0.18901	chr1_236155001_236155	sig	hypo
chr1	2.4E+08	2.4E+08	*	1.465E-24	2.44E-24	-0.1167	chr1_236155201_236155	sig	hypo
chr1	2.4E+08	2.4E+08	*	1.761E-49	4.661E-49	0.189116	chr1_236395001_236395	sig	hyper
chr1	2.4E+08	2.4E+08	*	1.4E-56	4.143E-56	0.106513	chr1_236395401_236395	sig	hyper
chr1	2.4E+08	2.4E+08	*	2.13E-162	2.67E-161	0.30042	chr1_236396001_236396	sig	hyper
chr1	2.4E+08	2.4E+08	*	7.093E-40	1.599E-39	0.169058	chr1_236396201_236396	sig	hyper
chr1	2.4E+08	2.4E+08	*	3.511E-34	7.141E-34	0.193418	chr1_236686001_236686	sig	hyper
chr1	2.4E+08	2.4E+08	*	3.173E-70	1.146E-69	0.234437	chr1_236687001_236687	sig	hyper
chr1	2.4E+08	2.4E+08	*	2.073E-34	4.239E-34	-0.13221	chr1_236739201_236739	sig	hypo
chr1	2.4E+08	2.4E+08	*	9.09E-240	3.19E-238	0.304945	chr1_237041801_237042	sig	hyper
chr1	2.4E+08	2.4E+08	*	1.48E-172	2.13E-171	0.38382	chr1_237043201_237043	sig	hyper
chr1	2.4E+08	2.4E+08	*	1.949E-92	9.564E-92	0.123982	chr1_240092001_240092	sig	hyper
chr1	2.4E+08	2.4E+08	*	1.353E-69	4.835E-69	0.137437	chr1_240092201_240092	sig	hyper
chr1	2.4E+08	2.4E+08	*	2.905E-51	7.883E-51	-0.12755	chr1_240493201_240493	sig	hypo
chr1	2.4E+08	2.4E+08	*	2.092E-12	2.487E-12	-0.10569	chr1_241958401_241958	sig	hypo
chr1	2.4E+08	2.4E+08	*	5.83E-108	3.53E-107	0.337167	chr1_242523601_242523	sig	hyper
chr1	2.4E+08	2.4E+08	*	5.92E-221	1.62E-219	0.326236	chr1_242524001_242524	sig	hyper
chr1	2.4E+08	2.4E+08	*	2.622E-48	6.812E-48	0.194959	chr1_242524801_242525	sig	hyper
chr1	2.4E+08	2.4E+08	*	1.73E-258	7.66E-257	0.336774	chr1_242525201_242525	sig	hyper
chr1	2.4E+08	2.4E+08	*	2.987E-84	1.314E-83	0.179366	chr1_242890401_242890	sig	hyper
chr1	2.4E+08	2.4E+08	*	4.909E-89	2.313E-88	0.174288	chr1_243101601_243101	sig	hyper
chr1	2.4E+08	2.4E+08	*	1.83E-38	4.031E-38	0.256552	chr1_243482801_243483	sig	hyper
chr1	2.4E+08	2.4E+08	*	1.554E-93	7.765E-93	0.20098	chr1_243917401_243917	sig	hyper
chr1	2.4E+08	2.4E+08	*	0	0	0.333228	chr1_243917601_243917	sig	hyper
chr1	2.5E+08	2.5E+08	*	7.603E-79	3.107E-78	0.299756	chr1_245301401_245301	sig	hyper
chr1	2.5E+08	2.5E+08	*	4.791E-69	1.701E-68	-0.24441	chr1_245336401_245336	sig	hypo
chr1	2.5E+08	2.5E+08	*	1.663E-37	3.604E-37	-0.14132	chr1_245361801_245362	sig	hypo
chr1	2.5E+08	2.5E+08	*	4.581E-57	1.367E-56	-0.17005	chr1_245371401_245371	sig	hypo
chr1	2.5E+08	2.5E+08	*	4.741E-49	1.247E-48	-0.17073	chr1_245371601_245371	sig	hypo
chr1	2.5E+08	2.5E+08	*	2.355E-30	4.433E-30	-0.11143	chr1_245564201_245564	sig	hypo
chr1	2.5E+08	2.5E+08	*	2.767E-97	1.457E-96	-0.23515	chr1_246697001_246697	sig	hypo
chr1	2.5E+08	2.5E+08	*	2.987E-19	4.36E-19	-0.15682	chr1_247008401_247008	sig	hypo
chr1	2.5E+08	2.5E+08	*	9.905E-10	1.06E-09	-0.106	chr1_247079601_247079	sig	hypo
chr1	2.5E+08	2.5E+08	*	1.92E-17	2.664E-17	-0.1107	chr1_247113601_247113	sig	hypo
chr1	2.5E+08	2.5E+08	*	2.239E-52	6.186E-52	0.184282	chr1_247332601_247332	sig	hyper
chr1	2.5E+08	2.5E+08	*	1.557E-13	1.926E-13	0.119582	chr1_247333001_247333	sig	hyper
chr1	2.5E+08	2.5E+08	*	9.756E-46	2.423E-45	0.176721	chr1_247518001_247518	sig	hyper
chr1	2.5E+08	2.5E+08	*	2.858E-32	5.593E-32	0.176135	chr1_247518201_247518	sig	hyper
chr1	2.5E+08	2.5E+08	*	2.521E-26	4.375E-26	0.120235	chr1_247531201_247531	sig	hyper
chr1	2.5E+08	2.5E+08	*	2.87E-184	4.82E-183	-0.45727	chr1_247549001_247549	sig	hypo
chr1	2.5E+08	2.5E+08	*	1.364E-23	2.219E-23	-0.11938	chr1_247936401_247936	sig	hypo
chr1	2.5E+08	2.5E+08	*	1.057E-32	2.087E-32	0.129054	chr1_247936801_247937	sig	hyper
chr1	2.5E+08	2.5E+08	*	1.64E-141	1.55E-140	0.241718	chr1_247937001_247937	sig	hyper
chr1	2.5E+08	2.5E+08	*	4.717E-29	8.653E-29	-0.11419	chr1_248681801_248682	sig	hypo
chr2	287201	287400	*	9.42E-42	2.195E-41	0.105318	chr2_287201_287400	sig	hyper
chr2	394201	394400	*	1.31E-105	7.66E-105	-0.25416	chr2_394201_394400	sig	hypo
chr2	394401	394600	*	4.92E-69	1.747E-68	-0.21087	chr2_394401_394600	sig	hypo
chr2	397601	397800	*	3.866E-58	1.17E-57	0.140396	chr2_397601_397800	sig	hyper
chr2	430801	431000	*	4.708E-63	1.535E-62	-0.16732	chr2_430801_431000	sig	hypo
chr2	443401	443600	*	1.738E-15	2.286E-15	-0.1011	chr2_443401_443600	sig	hypo
chr2	467801	468000	*	3.67E-207	8.41E-206	0.357099	chr2_467801_468000	sig	hyper

chr2	469601	469800	*	1.099E-72	4.096E-72	-0.18032	chr2_469601_469800	sig	hypo
chr2	469801	470000	*	9.358E-60	2.902E-59	-0.21115	chr2_469801_470000	sig	hypo
chr2	554201	554400	*	7.04E-113	4.58E-112	-0.31126	chr2_554201_554400	sig	hypo
chr2	558601	558800	*	6.64E-34	1.342E-33	-0.14749	chr2_558601_558800	sig	hypo
chr2	628801	629000	*	4.466E-31	8.533E-31	-0.1016	chr2_628801_629000	sig	hypo
chr2	637401	637600	*	4.143E-25	6.981E-25	-0.162	chr2_637401_637600	sig	hypo
chr2	660801	661000	*	1.09E-77	4.377E-77	0.25697	chr2_660801_661000	sig	hyper
chr2	662801	663000	*	2.071E-25	3.515E-25	-0.12268	chr2_662801_663000	sig	hypo
chr2	691001	691200	*	1.611E-44	3.928E-44	-0.18782	chr2_691001_691200	sig	hypo
chr2	691801	692000	*	4.879E-90	2.327E-89	0.156773	chr2_691801_692000	sig	hyper
chr2	721001	721200	*	1.461E-46	3.685E-46	-0.21999	chr2_721001_721200	sig	hypo
chr2	731201	731400	*	1.37E-25	2.336E-25	-0.15115	chr2_731201_731400	sig	hypo
chr2	731401	731600	*	1.446E-24	2.409E-24	-0.10717	chr2_731401_731600	sig	hypo
chr2	741001	741200	*	3.323E-36	7.025E-36	0.111225	chr2_741001_741200	sig	hyper
chr2	862201	862400	*	1.316E-29	2.442E-29	0.167083	chr2_862201_862400	sig	hyper
chr2	868401	868600	*	1.236E-48	3.226E-48	0.227096	chr2_868401_868600	sig	hyper
chr2	871201	871400	*	7.091E-41	1.626E-40	-0.11253	chr2_871201_871400	sig	hypo
chr2	871401	871600	*	5.719E-36	1.201E-35	-0.14562	chr2_871401_871600	sig	hypo
chr2	883801	884000	*	1.326E-27	2.364E-27	0.105877	chr2_883801_884000	sig	hyper
chr2	886201	886400	*	5.799E-30	1.083E-29	-0.15446	chr2_886201_886400	sig	hypo
chr2	886401	886600	*	2.835E-84	1.248E-83	-0.16646	chr2_886401_886600	sig	hypo
chr2	910601	910800	*	1.685E-22	2.67E-22	-0.11096	chr2_910601_910800	sig	hypo
chr2	910801	911000	*	1.066E-90	5.13E-90	-0.21279	chr2_910801_911000	sig	hypo
chr2	930201	930400	*	1.679E-28	3.045E-28	-0.15458	chr2_930201_930400	sig	hypo
chr2	933001	933200	*	1.618E-24	2.692E-24	0.101601	chr2_933001_933200	sig	hyper
chr2	949601	949800	*	1.226E-89	5.818E-89	0.196218	chr2_949601_949800	sig	hyper
chr2	950201	950400	*	4.483E-80	1.866E-79	0.302538	chr2_950201_950400	sig	hyper
chr2	951401	951600	*	9.44E-168	1.27E-166	0.351492	chr2_951401_951600	sig	hyper
chr2	951801	952000	*	1.679E-38	3.701E-38	0.156298	chr2_951801_952000	sig	hyper
chr2	987801	988000	*	6.268E-34	1.268E-33	-0.15629	chr2_987801_988000	sig	hypo
chr2	1138201	1138400	*	8.459E-35	1.742E-34	-0.14142	chr2_1138201_1138400	sig	hypo
chr2	1282801	1283000	*	1.45E-34	2.973E-34	0.147343	chr2_1282801_1283000	sig	hyper
chr2	1284001	1284200	*	1.996E-35	4.159E-35	0.114808	chr2_1284001_1284200	sig	hyper
chr2	1480201	1480400	*	1.041E-62	3.373E-62	-0.25898	chr2_1480201_1480400	sig	hypo
chr2	1490401	1490600	*	2.576E-28	4.651E-28	-0.11987	chr2_1490401_1490600	sig	hypo
chr2	1494201	1494400	*	1.524E-28	2.766E-28	-0.11846	chr2_1494201_1494400	sig	hypo
chr2	1496401	1496600	*	4.869E-16	6.491E-16	-0.13845	chr2_1496401_1496600	sig	hypo
chr2	1539401	1539600	*	1.883E-45	4.654E-45	-0.1885	chr2_1539401_1539600	sig	hypo
chr2	1563201	1563400	*	2.09E-35	4.352E-35	-0.14808	chr2_1563201_1563400	sig	hypo
chr2	1564201	1564400	*	3.15E-11	3.583E-11	-0.10662	chr2_1564201_1564400	sig	hypo
chr2	1591601	1591800	*	3.383E-28	6.097E-28	0.192263	chr2_1591601_1591800	sig	hyper
chr2	1592001	1592200	*	1.69E-132	1.42E-131	0.203327	chr2_1592001_1592200	sig	hyper
chr2	1602001	1602200	*	5.12E-105	2.97E-104	0.226415	chr2_1602001_1602200	sig	hyper
chr2	1633201	1633400	*	1.95E-210	4.67E-209	-0.44477	chr2_1633201_1633400	sig	hypo
chr2	1653601	1653800	*	1.64E-82	7.047E-82	0.239302	chr2_1653601_1653800	sig	hyper
chr2	1654401	1654600	*	1.41E-182	2.31E-181	-0.38062	chr2_1654401_1654600	sig	hypo
chr2	1665001	1665200	*	3.639E-48	9.43E-48	-0.15884	chr2_1665001_1665200	sig	hypo
chr2	1665201	1665400	*	2.03E-132	1.69E-131	-0.28507	chr2_1665201_1665400	sig	hypo
chr2	1680401	1680600	*	3.555E-17	4.896E-17	-0.10268	chr2_1680401_1680600	sig	hypo
chr2	1691401	1691600	*	1.17E-177	1.8E-176	-0.3886	chr2_1691401_1691600	sig	hypo
chr2	1742401	1742600	*	1.57E-148	1.63E-147	0.263304	chr2_1742401_1742600	sig	hyper
chr2	1742801	1743000	*	8.167E-98	4.324E-97	0.221339	chr2_1742801_1743000	sig	hyper
chr2	1743001	1743200	*	4.84E-239	1.67E-237	0.276905	chr2_1743001_1743200	sig	hyper
chr2	1768201	1768400	*	1.013E-33	2.041E-33	-0.10484	chr2_1768201_1768400	sig	hypo
chr2	1816601	1816800	*	2.292E-96	1.192E-95	0.229859	chr2_1816601_1816800	sig	hyper
chr2	1837201	1837400	*	2.846E-37	6.143E-37	-0.16288	chr2_1837201_1837400	sig	hypo

chr2	1854801	1855000	*	1.332E-50	3.578E-50	0.122576	chr2_1854801_1855000	sig	hyper
chr2	1922601	1922800	*	1.182E-32	2.331E-32	-0.11535	chr2_1922601_1922800	sig	hypo
chr2	1937601	1937800	*	1.789E-61	5.695E-61	-0.10955	chr2_1937601_1937800	sig	hypo
chr2	2120801	2121000	*	8.666E-19	1.25E-18	0.147409	chr2_2120801_2121000	sig	hyper
chr2	2186401	2186600	*	4.279E-44	1.036E-43	-0.1392	chr2_2186401_2186600	sig	hypo
chr2	2189601	2189800	*	9.163E-74	3.474E-73	-0.19988	chr2_2189601_2189800	sig	hypo
chr2	2728601	2728800	*	6.915E-13	8.369E-13	-0.11719	chr2_2728601_2728800	sig	hypo
chr2	2769601	2769800	*	1.33E-113	8.76E-113	0.232746	chr2_2769601_2769800	sig	hyper
chr2	2795401	2795600	*	2.403E-32	4.708E-32	-0.1482	chr2_2795401_2795600	sig	hypo
chr2	2933601	2933800	*	5.029E-13	6.119E-13	0.104991	chr2_2933601_2933800	sig	hyper
chr2	3169401	3169600	*	3.33E-145	3.3E-144	0.210749	chr2_3169401_3169600	sig	hyper
chr2	3277201	3277400	*	7.275E-14	9.092E-14	-0.11031	chr2_3277201_3277400	sig	hypo
chr2	3282401	3282600	*	8.99E-192	1.69E-190	0.302883	chr2_3282401_3282600	sig	hyper
chr2	3314201	3314400	*	2.783E-24	4.6E-24	0.120013	chr2_3314201_3314400	sig	hyper
chr2	3448601	3448800	*	9.888E-66	3.355E-65	-0.13376	chr2_3448601_3448800	sig	hypo
chr2	3483201	3483400	*	2.542E-15	3.327E-15	0.138423	chr2_3483201_3483400	sig	hyper
chr2	3535801	3536000	*	1.909E-36	4.058E-36	0.182422	chr2_3535801_3536000	sig	hyper
chr2	3594801	3595000	*	3.013E-28	5.435E-28	0.1999	chr2_3594801_3595000	sig	hyper
chr2	3595001	3595200	*	2.75E-129	2.2E-128	0.245373	chr2_3595001_3595200	sig	hyper
chr2	3595201	3595400	*	1.819E-24	3.021E-24	0.113679	chr2_3595201_3595400	sig	hyper
chr2	3627401	3627600	*	4.883E-24	8.031E-24	-0.11381	chr2_3627401_3627600	sig	hypo
chr2	3647401	3647600	*	1.309E-25	2.233E-25	-0.16356	chr2_3647401_3647600	sig	hypo
chr2	3649801	3650000	*	1.091E-28	1.986E-28	-0.10471	chr2_3649801_3650000	sig	hypo
chr2	3702801	3703000	*	7.093E-44	1.711E-43	0.166846	chr2_3702801_3703000	sig	hyper
chr2	3769401	3769600	*	5.218E-34	1.057E-33	-0.19721	chr2_3769401_3769600	sig	hypo
chr2	3779001	3779200	*	1.476E-63	4.859E-63	-0.19999	chr2_3779001_3779200	sig	hypo
chr2	4108401	4108600	*	1.318E-51	3.598E-51	-0.13224	chr2_4108401_4108600	sig	hypo
chr2	4135801	4136000	*	7.757E-24	1.269E-23	-0.12048	chr2_4135801_4136000	sig	hypo
chr2	4884201	4884400	*	2.424E-34	4.949E-34	-0.15868	chr2_4884201_4884400	sig	hypo
chr2	5691001	5691200	*	0	0	0.245008	chr2_5691001_5691200	sig	hyper
chr2	5692801	5693000	*	0	0	0.348538	chr2_5692801_5693000	sig	hyper
chr2	5693001	5693200	*	1.31E-178	2.04E-177	0.332824	chr2_5693001_5693200	sig	hyper
chr2	5696001	5696200	*	6.22E-185	1.06E-183	0.295762	chr2_5696001_5696200	sig	hyper
chr2	5696201	5696400	*	5.051E-64	1.676E-63	0.32372	chr2_5696201_5696400	sig	hyper
chr2	5697201	5697400	*	7.44E-179	1.17E-177	0.330436	chr2_5697201_5697400	sig	hyper
chr2	7031801	7032000	*	1.11E-208	2.59E-207	-0.30508	chr2_7031801_7032000	sig	hypo
chr2	8027801	8028000	*	1.277E-48	3.334E-48	-0.1071	chr2_8027801_8028000	sig	hypo
chr2	8457601	8457800	*	2.045E-18	2.918E-18	-0.14579	chr2_8457601_8457800	sig	hypo
chr2	8543601	8543800	*	1.717E-15	2.259E-15	-0.14184	chr2_8543601_8543800	sig	hypo
chr2	8543801	8544000	*	4.801E-48	1.242E-47	-0.17054	chr2_8543801_8544000	sig	hypo
chr2	8545401	8545600	*	8.539E-31	1.622E-30	-0.16668	chr2_8545401_8545600	sig	hypo
chr2	8574001	8574200	*	6.487E-38	1.415E-37	-0.16645	chr2_8574001_8574200	sig	hypo
chr2	8574201	8574400	*	5.23E-174	7.73E-173	-0.3066	chr2_8574201_8574400	sig	hypo
chr2	8676401	8676600	*	1.734E-21	2.678E-21	0.109024	chr2_8676401_8676600	sig	hyper
chr2	8709801	8710000	*	3.67E-129	2.93E-128	-0.33156	chr2_8709801_8710000	sig	hypo
chr2	9212801	9213000	*	4.409E-79	1.808E-78	-0.21712	chr2_9212801_9213000	sig	hypo
chr2	9754001	9754200	*	1.7E-19	2.498E-19	-0.18759	chr2_9754001_9754200	sig	hypo
chr2	9820401	9820600	*	4.83E-166	6.34E-165	-0.30779	chr2_9820401_9820600	sig	hypo
chr2	9820601	9820800	*	8.52E-113	5.53E-112	-0.16976	chr2_9820601_9820800	sig	hypo
chr2	1E+07	1E+07	*	1.022E-37	2.225E-37	-0.13059	chr2_10008601_1000880(	sig	hypo
chr2	1E+07	1E+07	*	1.292E-27	2.305E-27	-0.15403	chr2_10008801_1000900(	sig	hypo
chr2	1E+07	1E+07	*	9.136E-50	2.427E-49	0.11878	chr2_10042801_1004300(	sig	hyper
chr2	1E+07	1E+07	*	3.235E-19	4.716E-19	0.125439	chr2_10044401_1004460(	sig	hyper
chr2	1E+07	1E+07	*	4.665E-44	1.128E-43	-0.15725	chr2_10162201_1016240(	sig	hypo
chr2	1E+07	1E+07	*	8.497E-63	2.758E-62	-0.24532	chr2_10301801_1030200(	sig	hypo
chr2	1E+07	1E+07	*	7.762E-39	1.72E-38	-0.10334	chr2_10304601_1030480(	sig	hypo

chr2	1E+07	1E+07	*	1.883E-18	2.691E-18	-0.1158	chr2_10304801_1030500(	sig	hypo
chr2	1E+07	1E+07	*	5.79E-82	2.47E-81	-0.30731	chr2_10331201_1033140(	sig	hypo
chr2	1E+07	1E+07	*	2.599E-55	7.544E-55	0.112363	chr2_10427601_1042780(	sig	hyper
chr2	1E+07	1E+07	*	3.439E-53	9.638E-53	-0.14654	chr2_10432201_1043240(	sig	hypo
chr2	1E+07	1E+07	*	5.151E-67	1.778E-66	-0.18428	chr2_10497801_1049800(	sig	hypo
chr2	1.1E+07	1.1E+07	*	5.536E-30	1.035E-29	-0.11975	chr2_10525601_1052580(	sig	hypo
chr2	1.1E+07	1.1E+07	*	1.909E-30	3.599E-30	-0.11071	chr2_10548001_1054820(	sig	hypo
chr2	1.1E+07	1.1E+07	*	1.091E-62	3.535E-62	-0.25977	chr2_10835001_1083520(	sig	hypo
chr2	1.1E+07	1.1E+07	*	1.735E-11	1.991E-11	0.124543	chr2_10912601_1091280(	sig	hyper
chr2	1.1E+07	1.1E+07	*	9.053E-13	1.091E-12	-0.14854	chr2_10914001_1091420(	sig	hypo
chr2	1.1E+07	1.1E+07	*	5.978E-15	7.737E-15	-0.11987	chr2_11024001_1102420(	sig	hypo
chr2	1.1E+07	1.1E+07	*	4.342E-75	1.679E-74	-0.1978	chr2_11105201_1110540(	sig	hypo
chr2	1.1E+07	1.1E+07	*	7.252E-15	9.361E-15	0.11611	chr2_11154401_1115460(	sig	hyper
chr2	1.1E+07	1.1E+07	*	7.294E-55	2.102E-54	0.194254	chr2_11495801_1149600(	sig	hyper
chr2	1.2E+07	1.2E+07	*	4.114E-25	6.933E-25	-0.11581	chr2_11586801_1158700(	sig	hypo
chr2	1.2E+07	1.2E+07	*	5.61E-107	3.35E-106	-0.31361	chr2_11587001_1158720(	sig	hypo
chr2	1.2E+07	1.2E+07	*	5.904E-94	2.964E-93	-0.3292	chr2_11612801_1161300(	sig	hypo
chr2	1.2E+07	1.2E+07	*	2.88E-101	1.59E-100	-0.208	chr2_11618401_1161860(	sig	hypo
chr2	1.2E+07	1.2E+07	*	1.781E-19	2.615E-19	-0.10837	chr2_11631401_1163160(	sig	hypo
chr2	1.2E+07	1.2E+07	*	6.004E-25	1.009E-24	-0.10984	chr2_11634201_1163440(	sig	hypo
chr2	1.2E+07	1.2E+07	*	3.523E-69	1.254E-68	-0.20327	chr2_11634801_1163500(	sig	hypo
chr2	1.2E+07	1.2E+07	*	1.029E-42	2.434E-42	-0.26646	chr2_11656601_1165680(	sig	hypo
chr2	1.2E+07	1.2E+07	*	5.72E-163	7.22E-162	-0.27915	chr2_11656801_1165700(	sig	hypo
chr2	1.2E+07	1.2E+07	*	3.215E-82	1.376E-81	0.164146	chr2_11670201_1167040(	sig	hyper
chr2	1.2E+07	1.2E+07	*	5.9E-116	4E-115	-0.27029	chr2_11777401_1177760(	sig	hypo
chr2	1.2E+07	1.2E+07	*	1.3E-177	2E-176	-0.35626	chr2_11777601_1177780(	sig	hypo
chr2	1.2E+07	1.2E+07	*	2.45E-130	1.99E-129	0.180939	chr2_11785001_1178520(	sig	hyper
chr2	1.2E+07	1.2E+07	*	1.325E-31	2.557E-31	0.168119	chr2_11785201_1178540(	sig	hyper
chr2	1.2E+07	1.2E+07	*	2.31E-58	7.015E-58	-0.12738	chr2_11850201_1185040(	sig	hypo
chr2	1.3E+07	1.3E+07	*	1.21E-20	1.832E-20	0.134081	chr2_12715801_1271600(	sig	hyper
chr2	1.3E+07	1.3E+07	*	6.812E-67	2.346E-66	0.167133	chr2_12718201_1271840(	sig	hyper
chr2	1.3E+07	1.3E+07	*	9.66E-189	1.74E-187	0.211871	chr2_12718401_1271860(	sig	hyper
chr2	1.3E+07	1.3E+07	*	6.128E-72	2.265E-71	-0.15924	chr2_12926601_1292680(	sig	hypo
chr2	1.6E+07	1.6E+07	*	4.629E-55	1.338E-54	0.162561	chr2_15984601_1598480(	sig	hyper
chr2	1.6E+07	1.6E+07	*	1.216E-57	3.662E-57	-0.14342	chr2_16014201_1601440(	sig	hypo
chr2	1.9E+07	1.9E+07	*	5.181E-13	6.3E-13	0.142583	chr2_19351601_1935180(	sig	hyper
chr2	1.9E+07	1.9E+07	*	2.629E-30	4.945E-30	0.190187	chr2_19356801_1935700(	sig	hyper
chr2	1.9E+07	1.9E+07	*	2.004E-98	1.068E-97	0.320519	chr2_19357401_1935760(	sig	hyper
chr2	1.9E+07	1.9E+07	*	2.516E-33	5.03E-33	0.149883	chr2_19361801_1936200(	sig	hyper
chr2	2E+07	2E+07	*	9.629E-51	2.594E-50	0.190898	chr2_20106801_2010700(	sig	hyper
chr2	2E+07	2E+07	*	8.373E-88	3.874E-87	0.238663	chr2_20107001_2010720(	sig	hyper
chr2	2E+07	2E+07	*	3.494E-23	5.636E-23	-0.11744	chr2_20226201_2022640(	sig	hypo
chr2	2E+07	2E+07	*	4.954E-26	8.542E-26	0.130158	chr2_20242201_2024240(	sig	hyper
chr2	2.1E+07	2.1E+07	*	5.891E-85	2.618E-84	0.290883	chr2_20670201_2067040(	sig	hyper
chr2	2.1E+07	2.1E+07	*	3.05E-197	6.17E-196	0.28193	chr2_20670401_2067060(	sig	hyper
chr2	2.1E+07	2.1E+07	*	4.52E-174	6.7E-173	0.318002	chr2_20671201_2067140(	sig	hyper
chr2	2.1E+07	2.1E+07	*	3.569E-57	1.067E-56	0.2232	chr2_20671401_2067160(	sig	hyper
chr2	2.1E+07	2.1E+07	*	7.734E-97	4.046E-96	-0.24538	chr2_21044001_2104420(	sig	hypo
chr2	2.1E+07	2.1E+07	*	4.468E-54	1.272E-53	-0.17763	chr2_21044201_2104440(	sig	hypo
chr2	2.3E+07	2.3E+07	*	2.016E-37	4.364E-37	-0.17517	chr2_23390201_2339040(	sig	hypo
chr2	2.4E+07	2.4E+07	*	3.43E-113	2.24E-112	0.291649	chr2_23524001_2352420(	sig	hyper
chr2	2.4E+07	2.4E+07	*	9.781E-44	2.353E-43	0.151018	chr2_23524201_2352440(	sig	hyper
chr2	2.4E+07	2.4E+07	*	4.91E-150	5.25E-149	0.361702	chr2_23617601_2361780(	sig	hyper
chr2	2.4E+07	2.4E+07	*	1.9E-166	2.5E-165	0.358989	chr2_23617801_2361800(	sig	hyper
chr2	2.4E+07	2.4E+07	*	6.01E-201	1.28E-199	0.419748	chr2_23620801_2362100(	sig	hyper
chr2	2.4E+07	2.4E+07	*	1.32E-52	3.666E-52	0.274299	chr2_23663401_2366360(	sig	hyper

chr2	2.4E+07	2.4E+07	*	1.441E-71	5.3E-71	0.130772	chr2_23939401_2393960(	sig	hyper
chr2	2.4E+07	2.4E+07	*	2.525E-32	4.947E-32	0.126876	chr2_24010201_2401040(	sig	hyper
chr2	2.4E+07	2.4E+07	*	3.525E-47	8.994E-47	0.120051	chr2_24124001_2412420(	sig	hyper
chr2	2.4E+07	2.4E+07	*	8.325E-19	1.202E-18	0.141425	chr2_24174601_2417480(	sig	hyper
chr2	2.4E+07	2.4E+07	*	5.339E-63	1.738E-62	0.255738	chr2_24174801_2417500(	sig	hyper
chr2	2.4E+07	2.4E+07	*	2.562E-58	7.773E-58	0.114136	chr2_24402801_2440300(	sig	hyper
chr2	2.5E+07	2.5E+07	*	9.57E-111	6.04E-110	0.25479	chr2_24827801_2482800(	sig	hyper
chr2	2.5E+07	2.5E+07	*	1.149E-25	1.964E-25	0.189592	chr2_25161401_2516160(	sig	hyper
chr2	2.5E+07	2.5E+07	*	1.318E-20	1.992E-20	-0.11872	chr2_25161801_2516200(	sig	hypo
chr2	2.5E+07	2.5E+07	*	9.452E-61	2.977E-60	0.293576	chr2_25167401_2516760(	sig	hyper
chr2	2.5E+07	2.5E+07	*	1.81E-124	1.36E-123	0.274897	chr2_25167601_2516780(	sig	hyper
chr2	2.5E+07	2.5E+07	*	7.716E-66	2.621E-65	0.195038	chr2_25204201_2520440(	sig	hyper
chr2	2.5E+07	2.5E+07	*	2.98E-199	6.23E-198	0.414395	chr2_25252801_2525300(	sig	hyper
chr2	2.5E+07	2.5E+07	*	8.02E-103	4.51E-102	0.323265	chr2_25253001_2525320(	sig	hyper
chr2	2.5E+07	2.5E+07	*	1.751E-47	4.489E-47	0.189634	chr2_25277001_2527720(	sig	hyper
chr2	2.6E+07	2.6E+07	*	2.58E-115	1.74E-114	0.206023	chr2_25822201_2582240(	sig	hyper
chr2	2.6E+07	2.6E+07	*	4.558E-36	9.6E-36	0.165972	chr2_25822401_2582260(	sig	hyper
chr2	2.6E+07	2.6E+07	*	1.434E-69	5.124E-69	0.208884	chr2_26171601_2617180(	sig	hyper
chr2	2.6E+07	2.6E+07	*	1.097E-10	1.223E-10	0.105319	chr2_26172201_2617240(	sig	hyper
chr2	2.7E+07	2.7E+07	*	3.93E-111	2.49E-110	0.215126	chr2_26693601_2669380(	sig	hyper
chr2	2.7E+07	2.7E+07	*	2.4E-172	3.45E-171	0.25038	chr2_26847401_2684760(	sig	hyper
chr2	2.7E+07	2.7E+07	*	3.366E-90	1.609E-89	0.18222	chr2_26942601_2694280(	sig	hyper
chr2	2.7E+07	2.7E+07	*	3.956E-37	8.514E-37	0.13938	chr2_26971401_2697160(	sig	hyper
chr2	2.7E+07	2.7E+07	*	1.661E-71	6.102E-71	0.247164	chr2_27049401_2704960(	sig	hyper
chr2	2.7E+07	2.7E+07	*	8.825E-63	2.864E-62	0.179342	chr2_27082601_2708280(	sig	hyper
chr2	2.7E+07	2.7E+07	*	3.034E-16	4.072E-16	-0.12419	chr2_27124001_2712420(	sig	hypo
chr2	2.7E+07	2.7E+07	*	3.482E-26	6.023E-26	0.150641	chr2_27306801_2730700(	sig	hyper
chr2	2.7E+07	2.7E+07	*	1.29E-253	5.38E-252	0.282741	chr2_27307401_2730760(	sig	hyper
chr2	2.7E+07	2.7E+07	*	0	0	0.401372	chr2_27308201_2730840(	sig	hyper
chr2	2.7E+07	2.7E+07	*	0	0	0.370175	chr2_27308401_2730860(	sig	hyper
chr2	2.7E+07	2.7E+07	*	1.113E-15	1.472E-15	-0.10467	chr2_27309801_2731000(	sig	hypo
chr2	2.8E+07	2.8E+07	*	1.522E-41	3.533E-41	0.100956	chr2_27765801_2776600(	sig	hyper
chr2	2.9E+07	2.9E+07	*	6.28E-107	3.75E-106	0.303778	chr2_28981201_2898140(	sig	hyper
chr2	2.9E+07	2.9E+07	*	6.266E-24	1.028E-23	-0.11978	chr2_29064801_2906500(	sig	hypo
chr2	2.9E+07	2.9E+07	*	4.53E-107	2.71E-106	0.294789	chr2_29115001_2911520(	sig	hyper
chr2	3E+07	3E+07	*	1.718E-63	5.65E-63	0.286305	chr2_29920001_2992020(	sig	hyper
chr2	3E+07	3E+07	*	7.66E-126	5.86E-125	0.319621	chr2_29920601_2992080(	sig	hyper
chr2	3E+07	3E+07	*	6.481E-71	2.363E-70	0.250438	chr2_29921201_2992140(	sig	hyper
chr2	3E+07	3E+07	*	6.05E-114	3.99E-113	0.370365	chr2_30230401_3023060(	sig	hyper
chr2	3E+07	3E+07	*	1.26E-116	8.59E-116	0.377521	chr2_30230801_3023100(	sig	hyper
chr2	3.1E+07	3.1E+07	*	9.21E-248	3.58E-246	0.205608	chr2_31137801_3113800(	sig	hyper
chr2	3.1E+07	3.1E+07	*	5.244E-82	2.238E-81	0.130821	chr2_31233801_3123400(	sig	hyper
chr2	3.1E+07	3.1E+07	*	1.55E-84	6.856E-84	0.303023	chr2_31234601_3123480(	sig	hyper
chr2	3.2E+07	3.2E+07	*	5.92E-157	6.87E-156	0.315572	chr2_31580801_3158100(	sig	hyper
chr2	3.2E+07	3.2E+07	*	4.43E-140	4.08E-139	0.393015	chr2_31581001_3158120(	sig	hyper
chr2	3.2E+07	3.2E+07	*	5.392E-57	1.606E-56	0.220882	chr2_31581201_3158140(	sig	hyper
chr2	3.2E+07	3.2E+07	*	5.237E-16	6.979E-16	0.116408	chr2_31581801_3158200(	sig	hyper
chr2	3.7E+07	3.7E+07	*	1.408E-30	2.664E-30	-0.12105	chr2_36597001_3659720(	sig	hypo
chr2	3.7E+07	3.7E+07	*	1.922E-39	4.3E-39	-0.1126	chr2_37148801_3714900(	sig	hypo
chr2	3.8E+07	3.8E+07	*	1.306E-27	2.329E-27	0.169284	chr2_37666001_3766620(	sig	hyper
chr2	3.8E+07	3.8E+07	*	4.838E-81	2.034E-80	0.236334	chr2_38038401_3803860(	sig	hyper
chr2	3.8E+07	3.8E+07	*	2.438E-29	4.497E-29	0.118526	chr2_38073601_3807380(	sig	hyper
chr2	3.8E+07	3.8E+07	*	1.15E-106	6.82E-106	0.255414	chr2_38074601_3807480(	sig	hyper
chr2	3.8E+07	3.8E+07	*	6.21E-93	3.07E-92	0.381221	chr2_38075401_3807560(	sig	hyper
chr2	3.8E+07	3.8E+07	*	6.613E-66	2.248E-65	0.129675	chr2_38076001_3807620(	sig	hyper
chr2	3.8E+07	3.8E+07	*	1.995E-95	1.025E-94	-0.18055	chr2_38077401_3807760(	sig	hypo

chr2	3.9E+07	3.9E+07	*	5.454E-46	1.36E-45	0.197254	chr2_38515401_3851560(	sig	hyper
chr2	3.9E+07	3.9E+07	*	4.74E-208	1.1E-206	0.30108	chr2_38515601_3851580(	sig	hyper
chr2	3.9E+07	3.9E+07	*	5.319E-17	7.289E-17	-0.10784	chr2_38749201_3874940(	sig	hypo
chr2	3.9E+07	3.9E+07	*	1.125E-70	4.088E-70	0.150614	chr2_38960401_3896060(	sig	hyper
chr2	3.9E+07	3.9E+07	*	3.045E-56	8.979E-56	0.299061	chr2_38960601_3896080(	sig	hyper
chr2	3.9E+07	3.9E+07	*	6.919E-35	1.427E-34	0.161825	chr2_38960801_3896100(	sig	hyper
chr2	3.9E+07	3.9E+07	*	1.66E-18	2.375E-18	0.120118	chr2_39243601_3924380(	sig	hyper
chr2	4E+07	4E+07	*	3.664E-63	1.197E-62	0.13664	chr2_40451001_4045120(	sig	hyper
chr2	4E+07	4E+07	*	6.01E-110	3.75E-109	0.285029	chr2_40451401_4045160(	sig	hyper
chr2	4E+07	4E+07	*	2.1E-105	1.22E-104	0.224255	chr2_40452401_4045260(	sig	hyper
chr2	4.2E+07	4.2E+07	*	7.937E-91	3.831E-90	0.24657	chr2_42492601_4249280(	sig	hyper
chr2	4.3E+07	4.3E+07	*	8.646E-73	3.228E-72	0.191315	chr2_42568001_4256820(	sig	hyper
chr2	4.3E+07	4.3E+07	*	9.334E-79	3.807E-78	0.175	chr2_43101001_4310120(	sig	hyper
chr2	4.3E+07	4.3E+07	*	8.38E-127	6.51E-126	0.19607	chr2_43296801_4329700(	sig	hyper
chr2	4.4E+07	4.4E+07	*	1.831E-43	4.383E-43	0.108459	chr2_43637601_4363780(	sig	hyper
chr2	4.4E+07	4.4E+07	*	6.057E-47	1.539E-46	0.122208	chr2_43637801_4363800(	sig	hyper
chr2	4.4E+07	4.4E+07	*	1.25E-27	2.23E-27	0.157833	chr2_43831601_4383180(	sig	hyper
chr2	4.4E+07	4.4E+07	*	2.83E-157	3.29E-156	0.244351	chr2_44166201_4416640(	sig	hyper
chr2	4.5E+07	4.5E+07	*	3.001E-35	6.231E-35	0.152268	chr2_44768801_4476900(	sig	hyper
chr2	4.5E+07	4.5E+07	*	1.011E-33	2.037E-33	0.21195	chr2_44801001_4480120(	sig	hyper
chr2	4.5E+07	4.5E+07	*	9.33E-101	5.12E-100	0.27742	chr2_44801601_4480180(	sig	hyper
chr2	4.5E+07	4.5E+07	*	3.307E-28	5.961E-28	0.120274	chr2_44802801_4480300(	sig	hyper
chr2	4.5E+07	4.5E+07	*	3E-212	7.43E-211	0.386884	chr2_44928001_4492820(	sig	hyper
chr2	4.5E+07	4.5E+07	*	9.28E-244	3.46E-242	0.326685	chr2_44928601_4492880(	sig	hyper
chr2	4.5E+07	4.5E+07	*	3.75E-127	2.93E-126	0.248537	chr2_44930001_4493020(	sig	hyper
chr2	4.5E+07	4.5E+07	*	6.039E-33	1.198E-32	0.121758	chr2_44930401_4493060(	sig	hyper
chr2	4.5E+07	4.5E+07	*	1.777E-27	3.162E-27	0.136566	chr2_44932201_4493240(	sig	hyper
chr2	4.5E+07	4.5E+07	*	1.49E-107	9E-107	0.273269	chr2_44932401_4493260(	sig	hyper
chr2	4.5E+07	4.5E+07	*	4.79E-115	3.21E-114	0.392201	chr2_44932601_4493280(	sig	hyper
chr2	4.5E+07	4.5E+07	*	8E-308	6.46E-306	0.367546	chr2_44932801_4493300(	sig	hyper
chr2	4.5E+07	4.5E+07	*	0	0	0.418955	chr2_44933201_4493340(	sig	hyper
chr2	4.5E+07	4.5E+07	*	6.66E-106	3.91E-105	0.350264	chr2_44934001_4493420(	sig	hyper
chr2	4.5E+07	4.5E+07	*	1.87E-113	1.22E-112	0.336461	chr2_44943001_4494320(	sig	hyper
chr2	4.5E+07	4.5E+07	*	5.69E-120	4.03E-119	0.288548	chr2_44944601_4494480(	sig	hyper
chr2	4.5E+07	4.5E+07	*	1.732E-78	7.033E-78	0.290765	chr2_44945001_4494520(	sig	hyper
chr2	4.5E+07	4.5E+07	*	2.89E-22	4.548E-22	0.105134	chr2_44949601_4494980(	sig	hyper
chr2	4.5E+07	4.5E+07	*	2.73E-164	3.51E-163	0.169803	chr2_44955001_4495520(	sig	hyper
chr2	4.5E+07	4.5E+07	*	1.24E-113	8.17E-113	0.151909	chr2_44955201_4495540(	sig	hyper
chr2	4.5E+07	4.5E+07	*	0	0	0.285681	chr2_45004601_4500480(	sig	hyper
chr2	4.5E+07	4.5E+07	*	6.911E-49	1.813E-48	0.205303	chr2_45006201_4500640(	sig	hyper
chr2	4.5E+07	4.5E+07	*	1.6E-45	3.958E-45	0.117071	chr2_45008801_4500900(	sig	hyper
chr2	4.5E+07	4.5E+07	*	2.62E-57	7.855E-57	0.162144	chr2_45010601_4501080(	sig	hyper
chr2	4.5E+07	4.5E+07	*	1.077E-65	3.652E-65	0.102117	chr2_45013801_4501400(	sig	hyper
chr2	4.5E+07	4.5E+07	*	7.263E-35	1.498E-34	0.177283	chr2_45170801_4517100(	sig	hyper
chr2	4.6E+07	4.6E+07	*	6.053E-68	2.116E-67	-0.16859	chr2_46299401_4629960(	sig	hypo
chr2	4.6E+07	4.6E+07	*	1.51E-186	2.64E-185	-0.16434	chr2_46299601_4629980(	sig	hypo
chr2	4.6E+07	4.6E+07	*	2.89E-182	4.73E-181	-0.18595	chr2_46299801_4630000(	sig	hypo
chr2	4.8E+07	4.8E+07	*	2.428E-46	6.101E-46	0.114966	chr2_47569801_4757000(	sig	hyper
chr2	4.8E+07	4.8E+07	*	1E-131	8.32E-131	0.136401	chr2_47570001_4757020(	sig	hyper
chr2	4.8E+07	4.8E+07	*	2.08E-147	2.13E-146	0.17763	chr2_47571201_4757140(	sig	hyper
chr2	4.8E+07	4.8E+07	*	3.839E-71	1.406E-70	0.14062	chr2_47571401_4757160(	sig	hyper
chr2	4.8E+07	4.8E+07	*	1.28E-37	2.782E-37	0.178769	chr2_47572001_4757220(	sig	hyper
chr2	4.9E+07	4.9E+07	*	5.647E-27	9.939E-27	0.155581	chr2_48755401_4875560(	sig	hyper
chr2	5E+07	5E+07	*	1.78E-126	1.38E-125	0.187469	chr2_50347401_5034760(	sig	hyper
chr2	5E+07	5E+07	*	7.615E-42	1.776E-41	0.166172	chr2_50347601_5034780(	sig	hyper
chr2	5E+07	5E+07	*	2.953E-90	1.414E-89	0.180468	chr2_50347801_5034800(	sig	hyper

chr2	5.1E+07	5.1E+07	*	1.334E-50	3.585E-50	-0.16948	chr2_50847601_5084780(	sig	hypo
chr2	5.4E+07	5.4E+07	*	1.57E-107	9.47E-107	0.290888	chr2_53860201_5386040(	sig	hyper
chr2	5.6E+07	5.6E+07	*	0	0	0.269732	chr2_55923201_5592340(	sig	hyper
chr2	5.6E+07	5.6E+07	*	7.112E-63	2.311E-62	0.212641	chr2_55923801_5592400(	sig	hyper
chr2	5.6E+07	5.6E+07	*	3.927E-79	1.613E-78	0.192007	chr2_55924001_5592420(	sig	hyper
chr2	5.8E+07	5.8E+07	*	1.677E-61	5.344E-61	0.146311	chr2_58427601_5842780(	sig	hyper
chr2	5.8E+07	5.8E+07	*	1.15E-183	1.92E-182	0.305931	chr2_58428801_5842900(	sig	hyper
chr2	6.1E+07	6.1E+07	*	4.147E-40	9.394E-40	0.127607	chr2_60735601_6073580(	sig	hyper
chr2	6.1E+07	6.1E+07	*	1.948E-89	9.215E-89	0.244902	chr2_61144801_6114500(	sig	hyper
chr2	6.2E+07	6.2E+07	*	5.17E-13	6.286E-13	0.100498	chr2_62457401_6245760(	sig	hyper
chr2	6.3E+07	6.3E+07	*	1.417E-90	6.808E-90	0.219901	chr2_63048401_6304860(	sig	hyper
chr2	6.3E+07	6.3E+07	*	1.124E-45	2.787E-45	0.184133	chr2_63048601_6304880(	sig	hyper
chr2	6.3E+07	6.3E+07	*	1.62E-99	8.74E-99	0.311446	chr2_63053801_6305400(	sig	hyper
chr2	6.3E+07	6.3E+07	*	7.8E-109	4.78E-108	0.188795	chr2_63054001_6305420(	sig	hyper
chr2	6.3E+07	6.3E+07	*	2.687E-23	4.342E-23	0.183141	chr2_63054601_6305480(	sig	hyper
chr2	6.3E+07	6.3E+07	*	1.13E-217	2.99E-216	0.412854	chr2_63055401_6305560(	sig	hyper
chr2	6.3E+07	6.3E+07	*	0	0	0.327738	chr2_63055601_6305580(	sig	hyper
chr2	6.3E+07	6.3E+07	*	5.58E-252	2.28E-250	0.281783	chr2_63055801_6305600(	sig	hyper
chr2	6.3E+07	6.3E+07	*	2.046E-65	6.907E-65	0.293094	chr2_63056601_6305680(	sig	hyper
chr2	6.3E+07	6.3E+07	*	7.58E-195	1.48E-193	0.239568	chr2_63056801_6305700(	sig	hyper
chr2	6.3E+07	6.3E+07	*	4.227E-64	1.403E-63	0.268592	chr2_63057401_6305760(	sig	hyper
chr2	6.3E+07	6.3E+07	*	1.613E-89	7.639E-89	0.280169	chr2_63057601_6305780(	sig	hyper
chr2	6.3E+07	6.3E+07	*	2.464E-40	5.605E-40	0.126467	chr2_63058601_6305880(	sig	hyper
chr2	6.3E+07	6.3E+07	*	2.58E-145	2.56E-144	0.143547	chr2_63058801_6305900(	sig	hyper
chr2	6.3E+07	6.3E+07	*	1.054E-43	2.534E-43	0.215074	chr2_63059401_6305960(	sig	hyper
chr2	6.4E+07	6.4E+07	*	6.357E-81	2.668E-80	-0.31748	chr2_63806601_6380680(	sig	hypo
chr2	6.5E+07	6.5E+07	*	2.539E-93	1.262E-92	-0.26026	chr2_64607001_6460720(	sig	hypo
chr2	6.5E+07	6.5E+07	*	1.974E-62	6.373E-62	-0.17609	chr2_64990401_6499060(	sig	hypo
chr2	6.5E+07	6.5E+07	*	1.63E-100	8.92E-100	0.276504	chr2_65292601_6529280(	sig	hyper
chr2	6.6E+07	6.6E+07	*	2.487E-75	9.656E-75	0.17346	chr2_66425601_6642580(	sig	hyper
chr2	6.6E+07	6.6E+07	*	1.75E-146	1.77E-145	0.231338	chr2_66425801_6642600(	sig	hyper
chr2	6.6E+07	6.6E+07	*	9.67E-282	5.66E-280	0.261454	chr2_66433001_6643320(	sig	hyper
chr2	6.6E+07	6.6E+07	*	1.816E-67	6.306E-67	0.134871	chr2_66433601_6643380(	sig	hyper
chr2	6.6E+07	6.6E+07	*	5.687E-95	2.902E-94	0.150961	chr2_66435601_6643580(	sig	hyper
chr2	6.6E+07	6.6E+07	*	4.48E-106	2.64E-105	0.195185	chr2_66437601_6643780(	sig	hyper
chr2	6.6E+07	6.6E+07	*	1.08E-60	3.398E-60	0.20388	chr2_66437801_6643800(	sig	hyper
chr2	6.6E+07	6.6E+07	*	1.647E-39	3.688E-39	0.216383	chr2_66439401_6643960(	sig	hyper
chr2	6.6E+07	6.6E+07	*	1.994E-87	9.165E-87	0.195029	chr2_66440201_6644040(	sig	hyper
chr2	6.6E+07	6.6E+07	*	9.288E-35	1.911E-34	0.12503	chr2_66440401_6644060(	sig	hyper
chr2	6.6E+07	6.6E+07	*	1.155E-28	2.101E-28	0.127825	chr2_66440601_6644080(	sig	hyper
chr2	6.6E+07	6.6E+07	*	6.027E-88	2.796E-87	0.162216	chr2_66440801_6644100(	sig	hyper
chr2	6.6E+07	6.6E+07	*	2.2E-146	2.21E-145	0.266642	chr2_66444401_6644460(	sig	hyper
chr2	6.6E+07	6.6E+07	*	7.985E-50	2.123E-49	0.191112	chr2_66445201_6644540(	sig	hyper
chr2	6.6E+07	6.6E+07	*	4.432E-69	1.575E-68	0.208227	chr2_66445401_6644560(	sig	hyper
chr2	6.6E+07	6.6E+07	*	1.99E-159	2.39E-158	0.223669	chr2_66445601_6644580(	sig	hyper
chr2	6.7E+07	6.7E+07	*	1.423E-56	4.211E-56	0.143213	chr2_66576601_6657680(	sig	hyper
chr2	6.7E+07	6.7E+07	*	9.512E-81	3.984E-80	0.128062	chr2_66578201_6657840(	sig	hyper
chr2	6.7E+07	6.7E+07	*	1.79E-186	3.13E-185	0.265981	chr2_66582001_6658220(	sig	hyper
chr2	6.7E+07	6.7E+07	*	1.724E-33	3.457E-33	0.187998	chr2_66582801_6658300(	sig	hyper
chr2	6.7E+07	6.7E+07	*	5.546E-25	9.324E-25	0.125718	chr2_66583201_6658340(	sig	hyper
chr2	6.8E+07	6.8E+07	*	1.07E-141	1.01E-140	0.309987	chr2_68319801_6832000(	sig	hyper
chr2	6.9E+07	6.9E+07	*	9.748E-75	3.75E-74	-0.23042	chr2_68655001_6865520(	sig	hypo
chr2	6.9E+07	6.9E+07	*	1.47E-61	4.69E-61	-0.15411	chr2_68774801_6877500(	sig	hypo
chr2	6.9E+07	6.9E+07	*	1.647E-25	2.802E-25	0.104664	chr2_69013201_6901340(	sig	hyper
chr2	6.9E+07	6.9E+07	*	4.04E-24	6.657E-24	-0.12831	chr2_69387801_6938800(	sig	hypo
chr2	7E+07	7E+07	*	1.054E-13	1.311E-13	-0.10741	chr2_69742601_6974280(	sig	hypo

chr2	7.1E+07	7.1E+07	*	3.48E-186	6.03E-185	0.171149	chr2_70767601_7076780(	sig	hyper
chr2	7.1E+07	7.1E+07	*	1.476E-88	6.916E-88	0.173687	chr2_70767801_7076800(	sig	hyper
chr2	7.1E+07	7.1E+07	*	1.98E-183	3.27E-182	0.287497	chr2_70768001_7076820(	sig	hyper
chr2	7.1E+07	7.1E+07	*	2.143E-28	3.878E-28	0.114172	chr2_70789601_7078980(	sig	hyper
chr2	7.1E+07	7.1E+07	*	2.83E-180	4.51E-179	0.299921	chr2_70790401_7079060(	sig	hyper
chr2	7.1E+07	7.1E+07	*	7.84E-108	4.74E-107	0.127503	chr2_70888801_7088900(	sig	hyper
chr2	7.1E+07	7.1E+07	*	1.469E-31	2.831E-31	0.121114	chr2_70889001_7088920(	sig	hyper
chr2	7.1E+07	7.1E+07	*	4.414E-20	6.589E-20	0.163592	chr2_70889201_7088940(	sig	hyper
chr2	7.1E+07	7.1E+07	*	5.35E-104	3.05E-103	0.22493	chr2_70889401_7088960(	sig	hyper
chr2	7.1E+07	7.1E+07	*	4.635E-86	2.091E-85	0.21259	chr2_70889601_7088980(	sig	hyper
chr2	7.1E+07	7.1E+07	*	6.409E-49	1.682E-48	0.103292	chr2_70899401_7089960(	sig	hyper
chr2	7.1E+07	7.1E+07	*	3.934E-42	9.221E-42	0.155914	chr2_70899601_7089980(	sig	hyper
chr2	7.1E+07	7.1E+07	*	3.598E-97	1.893E-96	0.189195	chr2_70901001_7090120(	sig	hyper
chr2	7.1E+07	7.1E+07	*	6.2E-120	4.39E-119	0.249962	chr2_70904401_7090460(	sig	hyper
chr2	7.1E+07	7.1E+07	*	3.421E-22	5.376E-22	0.161178	chr2_70906601_7090680(	sig	hyper
chr2	7.1E+07	7.1E+07	*	8.271E-63	2.685E-62	0.218174	chr2_70907201_7090740(	sig	hyper
chr2	7.1E+07	7.1E+07	*	3.45E-156	3.96E-155	0.215101	chr2_70907401_7090760(	sig	hyper
chr2	7.1E+07	7.1E+07	*	2.19E-40	4.984E-40	0.133777	chr2_70907601_7090780(	sig	hyper
chr2	7.1E+07	7.1E+07	*	4.762E-80	1.981E-79	0.196917	chr2_71466001_7146620(	sig	hyper
chr2	7.2E+07	7.2E+07	*	3.39E-192	6.4E-191	0.264535	chr2_71560601_7156080(	sig	hyper
chr2	7.2E+07	7.2E+07	*	3.254E-42	7.634E-42	0.119252	chr2_71852201_7185240(	sig	hyper
chr2	7.2E+07	7.2E+07	*	1.15E-122	8.41E-122	0.182998	chr2_72147001_7214720(	sig	hyper
chr2	7.3E+07	7.3E+07	*	2.235E-66	7.646E-66	0.230077	chr2_72919801_7292000(	sig	hyper
chr2	7.3E+07	7.3E+07	*	1.246E-61	3.982E-61	0.207854	chr2_72925401_7292560(	sig	hyper
chr2	7.3E+07	7.3E+07	*	1.52E-119	1.07E-118	0.147267	chr2_73072001_7307220(	sig	hyper
chr2	7.3E+07	7.3E+07	*	2.437E-36	5.17E-36	0.133433	chr2_73202601_7320280(	sig	hyper
chr2	7.3E+07	7.3E+07	*	3.11E-91	1.509E-90	0.355772	chr2_73203201_7320340(	sig	hyper
chr2	7.3E+07	7.3E+07	*	2.92E-104	1.67E-103	0.231141	chr2_73203401_7320360(	sig	hyper
chr2	7.3E+07	7.3E+07	*	9.356E-24	1.529E-23	0.102522	chr2_73268801_7326900(	sig	hyper
chr2	7.3E+07	7.3E+07	*	4.297E-42	1.006E-41	0.191773	chr2_73291001_7329120(	sig	hyper
chr2	7.3E+07	7.3E+07	*	1.31E-126	1.02E-125	0.237269	chr2_73291401_7329160(	sig	hyper
chr2	7.3E+07	7.3E+07	*	1.27E-161	1.57E-160	0.268417	chr2_73291601_7329180(	sig	hyper
chr2	7.3E+07	7.3E+07	*	9.11E-157	1.06E-155	0.27553	chr2_73292801_7329300(	sig	hyper
chr2	7.4E+07	7.4E+07	*	5.11E-125	3.86E-124	-0.22417	chr2_73983601_7398380(	sig	hypo
chr2	7.4E+07	7.4E+07	*	4.587E-37	9.857E-37	-0.14753	chr2_73986601_7398680(	sig	hypo
chr2	7.4E+07	7.4E+07	*	1.403E-32	2.764E-32	0.184598	chr2_74130401_7413060(	sig	hyper
chr2	7.4E+07	7.4E+07	*	4.564E-14	5.744E-14	0.101588	chr2_74130601_7413080(	sig	hyper
chr2	7.4E+07	7.4E+07	*	7.376E-67	2.538E-66	0.2249	chr2_74148201_7414840(	sig	hyper
chr2	7.4E+07	7.4E+07	*	1.933E-84	8.54E-84	0.259761	chr2_74415201_7441540(	sig	hyper
chr2	7.4E+07	7.4E+07	*	5.22E-175	7.79E-174	0.340698	chr2_74415601_7441580(	sig	hyper
chr2	7.4E+07	7.4E+07	*	3.11E-148	3.22E-147	0.159927	chr2_74418401_7441860(	sig	hyper
chr2	7.4E+07	7.4E+07	*	7.92E-57	2.354E-56	0.177263	chr2_74418601_7441880(	sig	hyper
chr2	7.4E+07	7.4E+07	*	1.2E-214	3.06E-213	0.221783	chr2_74436201_7443640(	sig	hyper
chr2	7.4E+07	7.4E+07	*	2.53E-190	4.64E-189	0.176534	chr2_74436401_7443660(	sig	hyper
chr2	7.4E+07	7.4E+07	*	2.425E-35	5.045E-35	-0.1481	chr2_74441401_7444160(	sig	hypo
chr2	7.4E+07	7.4E+07	*	4.219E-33	8.398E-33	0.111013	chr2_74498801_7449900(	sig	hyper
chr2	7.4E+07	7.4E+07	*	1.85E-122	1.35E-121	0.13486	chr2_74499201_7449940(	sig	hyper
chr2	7.4E+07	7.4E+07	*	4.65E-100	2.53E-99	0.148813	chr2_74499401_7449960(	sig	hyper
chr2	7.4E+07	7.5E+07	*	0	0	0.293	chr2_74499801_7450000(	sig	hyper
chr2	7.5E+07	7.5E+07	*	2.397E-86	1.086E-85	0.149924	chr2_74513801_7451400(	sig	hyper
chr2	7.5E+07	7.5E+07	*	1.4E-172	2.02E-171	0.159335	chr2_74514601_7451480(	sig	hyper
chr2	7.5E+07	7.5E+07	*	8.489E-65	2.842E-64	0.145452	chr2_74514801_7451500(	sig	hyper
chr2	7.5E+07	7.5E+07	*	6.23E-124	4.66E-123	0.352537	chr2_74515201_7451540(	sig	hyper
chr2	7.5E+07	7.5E+07	*	3.13E-106	1.85E-105	0.167163	chr2_74516001_7451620(	sig	hyper
chr2	7.5E+07	7.5E+07	*	1.16E-197	2.37E-196	0.184017	chr2_74516201_7451640(	sig	hyper
chr2	7.5E+07	7.5E+07	*	2.81E-125	2.13E-124	0.252394	chr2_74516401_7451660(	sig	hyper

chr2	7.5E+07	7.5E+07	*	5.637E-46	1.405E-45	0.163242	chr2_74516601_7451680(	sig	hyper
chr2	7.5E+07	7.5E+07	*	9.708E-71	3.531E-70	-0.14333	chr2_74549601_7454980(	sig	hypo
chr2	7.5E+07	7.5E+07	*	4.858E-27	8.563E-27	0.126475	chr2_74654801_7465500(	sig	hyper
chr2	7.5E+07	7.5E+07	*	4.25E-38	9.299E-38	0.107783	chr2_75199801_7520000(	sig	hyper
chr2	7.7E+07	7.7E+07	*	2.336E-26	4.057E-26	-0.11173	chr2_76698401_7669860(	sig	hypo
chr2	8E+07	8E+07	*	1.045E-28	1.903E-28	0.187434	chr2_80302401_8030260(	sig	hyper
chr2	8E+07	8E+07	*	7.367E-84	3.222E-83	0.21109	chr2_80302801_8030300(	sig	hyper
chr2	8E+07	8E+07	*	2.77E-159	3.32E-158	0.175624	chr2_80303201_8030340(	sig	hyper
chr2	8E+07	8E+07	*	6.566E-33	1.302E-32	0.173015	chr2_80322601_8032280(	sig	hyper
chr2	8E+07	8E+07	*	1.229E-77	4.933E-77	-0.32318	chr2_80324201_8032440(	sig	hypo
chr2	8.1E+07	8.1E+07	*	1.028E-74	3.95E-74	-0.13545	chr2_81467401_8146760(	sig	hypo
chr2	8.2E+07	8.2E+07	*	5.712E-63	1.859E-62	-0.18298	chr2_81985201_8198540(	sig	hypo
chr2	8.3E+07	8.3E+07	*	2.174E-35	4.527E-35	-0.10869	chr2_83246201_8324640(	sig	hypo
chr2	8.4E+07	8.4E+07	*	7.025E-64	2.324E-63	-0.13583	chr2_83878201_8387840(	sig	hypo
chr2	8.5E+07	8.5E+07	*	3.303E-57	9.884E-57	0.231055	chr2_85132601_8513280(	sig	hyper
chr2	8.5E+07	8.5E+07	*	3.003E-54	8.569E-54	0.206684	chr2_85134601_8513480(	sig	hyper
chr2	8.5E+07	8.5E+07	*	1.25E-101	6.92E-101	0.254593	chr2_85134801_8513500(	sig	hyper
chr2	8.6E+07	8.6E+07	*	1.351E-31	2.606E-31	0.112833	chr2_85584201_8558440(	sig	hyper
chr2	8.6E+07	8.6E+07	*	8.391E-88	3.881E-87	-0.23228	chr2_85765401_8576560(	sig	hypo
chr2	8.6E+07	8.6E+07	*	1.99E-130	1.62E-129	0.359974	chr2_86036001_8603620(	sig	hyper
chr2	8.6E+07	8.6E+07	*	1.154E-44	2.82E-44	-0.18801	chr2_86338801_8633900(	sig	hypo
chr2	8.7E+07	8.7E+07	*	8.47E-190	1.54E-188	0.270284	chr2_86789001_8678920(	sig	hyper
chr2	8.7E+07	8.7E+07	*	2.23E-270	1.17E-268	0.29984	chr2_86790201_8679040(	sig	hyper
chr2	8.7E+07	8.7E+07	*	7.279E-84	3.185E-83	0.278018	chr2_86790801_8679100(	sig	hyper
chr2	8.7E+07	8.7E+07	*	1.416E-51	3.862E-51	0.158096	chr2_86809801_8681000(	sig	hyper
chr2	8.7E+07	8.7E+07	*	2.126E-19	3.116E-19	-0.10204	chr2_86858201_8685840(	sig	hypo
chr2	8.7E+07	8.7E+07	*	1.49E-33	2.991E-33	0.102808	chr2_86861601_8686180(	sig	hyper
chr2	8.8E+07	8.8E+07	*	2.498E-56	7.372E-56	-0.17129	chr2_88017201_8801740(	sig	hypo
chr2	8.8E+07	8.8E+07	*	2.709E-51	7.353E-51	0.181838	chr2_88284001_8828420(	sig	hyper
chr2	8.8E+07	8.8E+07	*	2.217E-23	3.589E-23	-0.15811	chr2_88448401_8844860(	sig	hypo
chr2	8.8E+07	8.8E+07	*	2.884E-93	1.432E-92	0.162917	chr2_88451801_8845200(	sig	hyper
chr2	8.8E+07	8.8E+07	*	1.28E-109	7.95E-109	0.175647	chr2_88453001_8845320(	sig	hyper
chr2	8.8E+07	8.8E+07	*	9.946E-47	2.517E-46	0.151469	chr2_88453201_8845340(	sig	hyper
chr2	8.9E+07	8.9E+07	*	2.152E-27	3.823E-27	0.134847	chr2_88503001_8850320(	sig	hyper
chr2	8.9E+07	8.9E+07	*	4.81E-125	3.64E-124	0.254465	chr2_88765201_8876540(	sig	hyper
chr2	9E+07	9E+07	*	4.717E-78	1.905E-77	-0.17931	chr2_89610201_8961040(	sig	hypo
chr2	9E+07	9E+07	*	2.01E-285	1.24E-283	0.339843	chr2_89611801_8961200(	sig	hyper
chr2	9.1E+07	9.1E+07	*	2.01E-155	2.29E-154	0.313288	chr2_91443001_9144320(	sig	hyper
chr2	9.2E+07	9.2E+07	*	3.659E-49	9.643E-49	-0.14936	chr2_91571201_9157140(	sig	hypo
chr2	9.2E+07	9.2E+07	*	7.353E-28	1.318E-27	-0.11673	chr2_91747201_9174740(	sig	hypo
chr2	9.5E+07	9.5E+07	*	6.589E-65	2.209E-64	0.149684	chr2_94871601_9487180(	sig	hyper
chr2	9.5E+07	9.5E+07	*	1.308E-50	3.515E-50	0.305825	chr2_94998601_9499880(	sig	hyper
chr2	9.5E+07	9.5E+07	*	8.67E-112	5.55E-111	0.276799	chr2_95025201_9502540(	sig	hyper
chr2	9.5E+07	9.5E+07	*	3.465E-66	1.183E-65	0.234429	chr2_95025401_9502560(	sig	hyper
chr2	9.5E+07	9.5E+07	*	2.94E-141	2.75E-140	0.262768	chr2_95026201_9502640(	sig	hyper
chr2	9.5E+07	9.5E+07	*	5.17E-19	7.501E-19	0.133128	chr2_95053601_9505380(	sig	hyper
chr2	9.5E+07	9.5E+07	*	3.358E-26	5.811E-26	-0.1523	chr2_95312401_9531260(	sig	hypo
chr2	9.6E+07	9.6E+07	*	5.89E-44	1.422E-43	0.157723	chr2_95526201_9552640(	sig	hyper
chr2	9.6E+07	9.6E+07	*	3.714E-85	1.654E-84	0.125192	chr2_95526401_9552660(	sig	hyper
chr2	9.6E+07	9.6E+07	*	5.49E-14	6.893E-14	0.105294	chr2_96009601_9600980(	sig	hyper
chr2	9.6E+07	9.6E+07	*	4.41E-85	1.962E-84	0.252539	chr2_96116201_9611640(	sig	hyper
chr2	9.6E+07	9.6E+07	*	9.586E-81	4.015E-80	-0.27253	chr2_96144201_9614440(	sig	hypo
chr2	9.6E+07	9.6E+07	*	2.1E-55	6.107E-55	0.123255	chr2_96325001_9632520(	sig	hyper
chr2	9.7E+07	9.7E+07	*	0	0	0.36064	chr2_96500601_9650080(	sig	hyper
chr2	9.7E+07	9.7E+07	*	2.114E-61	6.715E-61	0.260994	chr2_96527201_9652740(	sig	hyper
chr2	9.7E+07	9.7E+07	*	1.01E-170	1.42E-169	0.293588	chr2_96527401_9652760(	sig	hyper

chr2	9.7E+07	9.7E+07	*	2.06E-164	2.65E-163	0.29054	chr2_96527801_9652800(	sig	hyper
chr2	9.7E+07	9.7E+07	*	5.163E-33	1.025E-32	-0.14125	chr2_96550001_9655020(	sig	hypo
chr2	9.7E+07	9.7E+07	*	6.256E-13	7.584E-13	-0.12318	chr2_96761601_9676180(	sig	hypo
chr2	9.7E+07	9.7E+07	*	1.412E-72	5.26E-72	-0.21767	chr2_96762001_9676220(	sig	hypo
chr2	9.7E+07	9.7E+07	*	4.63E-100	2.51E-99	-0.23048	chr2_96762201_9676240(	sig	hypo
chr2	9.7E+07	9.7E+07	*	3.306E-32	6.458E-32	0.145639	chr2_96839801_9684000(	sig	hyper
chr2	9.7E+07	9.7E+07	*	6.25E-268	3.18E-266	0.317772	chr2_96859001_9685920(	sig	hyper
chr2	9.7E+07	9.7E+07	*	1.057E-74	4.061E-74	0.11521	chr2_96864801_9686500(	sig	hyper
chr2	9.7E+07	9.7E+07	*	2.55E-131	2.1E-130	0.337217	chr2_96986001_9698620(	sig	hyper
chr2	9.7E+07	9.7E+07	*	1.072E-09	1.146E-09	-0.10172	chr2_97014201_9701440(	sig	hypo
chr2	9.7E+07	9.7E+07	*	1.513E-28	2.747E-28	0.117814	chr2_97095601_9709580(	sig	hyper
chr2	9.8E+07	9.8E+07	*	1.462E-22	2.319E-22	-0.15586	chr2_97713201_9771340(	sig	hypo
chr2	9.8E+07	9.8E+07	*	3.055E-56	9.006E-56	0.194819	chr2_97723801_9772400(	sig	hyper
chr2	9.8E+07	9.8E+07	*	3.3E-169	4.54E-168	0.3354	chr2_97724001_9772420(	sig	hyper
chr2	9.8E+07	9.8E+07	*	4.25E-230	1.29E-228	0.330235	chr2_98346401_9834660(	sig	hyper
chr2	9.8E+07	9.8E+07	*	3.591E-78	1.453E-77	0.295738	chr2_98346601_9834680(	sig	hyper
chr2	9.9E+07	9.9E+07	*	6.833E-55	1.969E-54	0.18915	chr2_98823401_9882360(	sig	hyper
chr2	9.9E+07	9.9E+07	*	1.18E-61	3.772E-61	0.160372	chr2_98936801_9893700(	sig	hyper
chr2	9.9E+07	9.9E+07	*	6.298E-81	2.644E-80	0.142837	chr2_98937001_9893720(	sig	hyper
chr2	9.9E+07	9.9E+07	*	4.692E-21	7.171E-21	0.141619	chr2_98937201_9893740(	sig	hyper
chr2	1E+08	1E+08	*	2.392E-65	8.071E-65	-0.23126	chr2_99594001_9959420(	sig	hypo
chr2	1E+08	1E+08	*	2.618E-83	1.137E-82	0.166038	chr2_100105201_100105‹	sig	hyper
chr2	1E+08	1E+08	*	4.362E-60	1.361E-59	0.134741	chr2_100105401_100105(	sig	hyper
chr2	1E+08	1E+08	*	7.84E-143	7.5E-142	0.287607	chr2_100321001_100321‹	sig	hyper
chr2	1E+08	1E+08	*	2.37E-153	2.64E-152	0.337405	chr2_100322401_100322(	sig	hyper
chr2	1E+08	1E+08	*	1.191E-98	6.366E-98	-0.24245	chr2_100391601_100391(	sig	hypo
chr2	1E+08	1E+08	*	2.18E-79	8.985E-79	-0.15238	chr2_100393201_100393‹	sig	hypo
chr2	1E+08	1E+08	*	1.878E-75	7.305E-75	0.238062	chr2_100417801_100418(	sig	hyper
chr2	1E+08	1E+08	*	4.374E-65	1.47E-64	-0.16231	chr2_100426401_100426(	sig	hypo
chr2	1E+08	1E+08	*	9.008E-56	2.635E-55	-0.17894	chr2_100426601_100426(	sig	hypo
chr2	1E+08	1E+08	*	6.103E-40	1.377E-39	-0.20266	chr2_101306401_101306(	sig	hypo
chr2	1E+08	1E+08	*	7.889E-82	3.356E-81	0.139227	chr2_101473801_101474(	sig	hyper
chr2	1E+08	1E+08	*	2.59E-86	1.172E-85	0.184405	chr2_101474401_101474(	sig	hyper
chr2	1E+08	1E+08	*	3.647E-84	1.602E-83	0.212606	chr2_104659201_104659‹	sig	hyper
chr2	1E+08	1E+08	*	3.914E-22	6.142E-22	-0.11751	chr2_104755601_104755(	sig	hypo
chr2	1E+08	1E+08	*	8.3E-122	6.02E-121	0.323622	chr2_104842601_104842(	sig	hyper
chr2	1E+08	1E+08	*	1.614E-89	7.645E-89	0.280478	chr2_104844801_104845(	sig	hyper
chr2	1E+08	1E+08	*	2.462E-70	8.905E-70	0.1698	chr2_104845201_104845‹	sig	hyper
chr2	1E+08	1E+08	*	3.677E-65	1.237E-64	0.109187	chr2_104854201_104854‹	sig	hyper
chr2	1E+08	1E+08	*	1.421E-38	3.135E-38	0.173544	chr2_104854801_104855(	sig	hyper
chr2	1E+08	1E+08	*	6.96E-182	1.13E-180	0.306438	chr2_104856601_104856(	sig	hyper
chr2	1E+08	1E+08	*	1.293E-49	3.428E-49	0.247325	chr2_104857801_104858(	sig	hyper
chr2	1E+08	1E+08	*	2.396E-62	7.729E-62	0.133228	chr2_104862601_104862(	sig	hyper
chr2	1E+08	1E+08	*	2.01E-139	1.84E-138	0.291629	chr2_104864201_104864‹	sig	hyper
chr2	1E+08	1E+08	*	3.188E-34	6.49E-34	0.119318	chr2_104867601_104867(	sig	hyper
chr2	1E+08	1E+08	*	7.904E-20	1.171E-19	0.146842	chr2_104868201_104868‹	sig	hyper
chr2	1.1E+08	1.1E+08	*	1.934E-62	6.245E-62	0.176548	chr2_105119201_105119‹	sig	hyper
chr2	1.1E+08	1.1E+08	*	6.19E-148	6.37E-147	0.273229	chr2_105144401_105144(	sig	hyper
chr2	1.1E+08	1.1E+08	*	1.486E-30	2.809E-30	0.152312	chr2_105237001_105237‹	sig	hyper
chr2	1.1E+08	1.1E+08	*	1.614E-49	4.272E-49	-0.15452	chr2_105241801_105242(	sig	hypo
chr2	1.1E+08	1.1E+08	*	7.74E-115	5.18E-114	-0.18847	chr2_105399601_105399(	sig	hypo
chr2	1.1E+08	1.1E+08	*	2.824E-33	5.641E-33	-0.15242	chr2_105399801_105400(	sig	hypo
chr2	1.1E+08	1.1E+08	*	4.62E-112	2.96E-111	-0.13866	chr2_105746201_105746‹	sig	hypo
chr2	1.1E+08	1.1E+08	*	3.49E-211	8.52E-210	-0.259	chr2_106342801_106343(	sig	hypo
chr2	1.1E+08	1.1E+08	*	2.105E-93	1.048E-92	-0.261	chr2_106343001_106343‹	sig	hypo
chr2	1.1E+08	1.1E+08	*	1.77E-260	8.03E-259	-0.42862	chr2_106343401_106343(	sig	hypo

chr2	1.1E+08	1.1E+08	*	2.632E-18	3.741E-18	-0.14629	chr2_106488401_106488(	sig	hypo
chr2	1.1E+08	1.1E+08	*	2.92E-119	2.05E-118	0.235978	chr2_106584401_106584(	sig	hyper
chr2	1.1E+08	1.1E+08	*	6.32E-123	4.66E-122	0.220344	chr2_106885601_106885(	sig	hyper
chr2	1.1E+08	1.1E+08	*	5.41E-154	6.05E-153	0.181078	chr2_106887201_106887(	sig	hyper
chr2	1.1E+08	1.1E+08	*	5.102E-49	1.342E-48	0.148698	chr2_106887601_106887(	sig	hyper
chr2	1.1E+08	1.1E+08	*	1.03E-125	7.86E-125	0.205811	chr2_109031401_109031(	sig	hyper
chr2	1.1E+08	1.1E+08	*	8.159E-17	1.113E-16	-0.15409	chr2_109032401_109032(	sig	hypo
chr2	1.1E+08	1.1E+08	*	1.21E-167	1.63E-166	0.312728	chr2_109129801_109130(	sig	hyper
chr2	1.1E+08	1.1E+08	*	8.72E-116	5.9E-115	0.239193	chr2_109130201_109130(	sig	hyper
chr2	1.1E+08	1.1E+08	*	5.3E-122	3.85E-121	0.296598	chr2_109172201_109172(	sig	hyper
chr2	1.1E+08	1.1E+08	*	1.121E-39	2.516E-39	0.198648	chr2_109173201_109173(	sig	hyper
chr2	1.1E+08	1.1E+08	*	2.86E-30	5.374E-30	-0.13391	chr2_109411601_109411(	sig	hypo
chr2	1.1E+08	1.1E+08	*	3.2E-59	9.843E-59	-0.21581	chr2_110115001_110115(	sig	hypo
chr2	1.1E+08	1.1E+08	*	5.24E-304	4.04E-302	0.405113	chr2_111366401_111366(	sig	hyper
chr2	1.1E+08	1.1E+08	*	3.498E-90	1.672E-89	0.27296	chr2_111366801_111367(	sig	hyper
chr2	1.1E+08	1.1E+08	*	1.147E-19	1.693E-19	0.163627	chr2_112181801_112182(	sig	hyper
chr2	1.1E+08	1.1E+08	*	1.255E-13	1.558E-13	0.110332	chr2_112434801_112435(	sig	hyper
chr2	1.1E+08	1.1E+08	*	3.863E-43	9.204E-43	-0.17657	chr2_113117601_113117(	sig	hypo
chr2	1.1E+08	1.1E+08	*	1.975E-37	4.278E-37	-0.19379	chr2_113235201_113235(	sig	hypo
chr2	1.1E+08	1.1E+08	*	9.394E-46	2.334E-45	-0.2097	chr2_113235401_113235(	sig	hypo
chr2	1.1E+08	1.1E+08	*	1.01E-302	7.56E-301	0.260939	chr2_113275801_113276(	sig	hyper
chr2	1.1E+08	1.1E+08	*	2.1E-93	1.046E-92	0.24261	chr2_113291201_113291(	sig	hyper
chr2	1.1E+08	1.1E+08	*	6.844E-13	8.285E-13	0.134108	chr2_113291401_113291(	sig	hyper
chr2	1.2E+08	1.2E+08	*	4.44E-99	2.387E-98	0.182729	chr2_115161001_115161(	sig	hyper
chr2	1.2E+08	1.2E+08	*	9.56E-130	7.69E-129	0.246925	chr2_115162401_115162(	sig	hyper
chr2	1.2E+08	1.2E+08	*	3.27E-196	6.51E-195	0.341941	chr2_115162601_115162(	sig	hyper
chr2	1.2E+08	1.2E+08	*	9.52E-149	9.93E-148	0.290863	chr2_115162801_115163(	sig	hyper
chr2	1.2E+08	1.2E+08	*	0	0	0.336688	chr2_115163001_115163(	sig	hyper
chr2	1.2E+08	1.2E+08	*	1.12E-104	6.45E-104	0.155927	chr2_117836001_117836(	sig	hyper
chr2	1.2E+08	1.2E+08	*	9.185E-49	2.403E-48	0.230256	chr2_117859601_117859(	sig	hyper
chr2	1.2E+08	1.2E+08	*	4.493E-38	9.826E-38	0.156993	chr2_118309801_118310(	sig	hyper
chr2	1.2E+08	1.2E+08	*	4.25E-102	2.37E-101	0.137357	chr2_118310001_118310(	sig	hyper
chr2	1.2E+08	1.2E+08	*	8.23E-231	2.53E-229	0.137691	chr2_118310201_118310(	sig	hyper
chr2	1.2E+08	1.2E+08	*	1.049E-90	5.05E-90	0.226832	chr2_118310401_118310(	sig	hyper
chr2	1.2E+08	1.2E+08	*	9.42E-160	1.14E-158	0.240142	chr2_118833401_118833(	sig	hyper
chr2	1.2E+08	1.2E+08	*	3.39E-135	2.93E-134	0.363291	chr2_118834001_118834(	sig	hyper
chr2	1.2E+08	1.2E+08	*	6.51E-202	1.41E-200	0.245106	chr2_118841801_118842(	sig	hyper
chr2	1.2E+08	1.2E+08	*	2.09E-127	1.64E-126	0.260387	chr2_118842001_118842(	sig	hyper
chr2	1.2E+08	1.2E+08	*	6.45E-121	4.63E-120	0.243016	chr2_118842801_118843(	sig	hyper
chr2	1.2E+08	1.2E+08	*	1.6E-150	1.72E-149	0.253407	chr2_118843001_118843(	sig	hyper
chr2	1.2E+08	1.2E+08	*	2.728E-86	1.234E-85	0.210214	chr2_118845201_118845(	sig	hyper
chr2	1.2E+08	1.2E+08	*	2.4E-154	2.69E-153	0.271881	chr2_118845401_118845(	sig	hyper
chr2	1.2E+08	1.2E+08	*	6.482E-33	1.285E-32	0.110956	chr2_118847001_118847(	sig	hyper
chr2	1.2E+08	1.2E+08	*	1.677E-61	5.344E-61	0.102866	chr2_118847801_118848(	sig	hyper
chr2	1.2E+08	1.2E+08	*	1.39E-92	6.831E-92	0.124376	chr2_118848401_118848(	sig	hyper
chr2	1.2E+08	1.2E+08	*	6.496E-31	1.238E-30	0.101672	chr2_118848801_118849(	sig	hyper
chr2	1.2E+08	1.2E+08	*	2.317E-70	8.384E-70	0.122822	chr2_118849001_118849(	sig	hyper
chr2	1.2E+08	1.2E+08	*	5.29E-138	4.75E-137	0.263102	chr2_118849401_118849(	sig	hyper
chr2	1.2E+08	1.2E+08	*	1.16E-226	3.39E-225	0.22222	chr2_118849801_118850(	sig	hyper
chr2	1.2E+08	1.2E+08	*	4.063E-45	9.99E-45	0.122812	chr2_118850001_118850(	sig	hyper
chr2	1.2E+08	1.2E+08	*	2.616E-75	1.016E-74	0.200995	chr2_118851801_118852(	sig	hyper
chr2	1.2E+08	1.2E+08	*	1.175E-50	3.161E-50	0.172587	chr2_118852001_118852(	sig	hyper
chr2	1.2E+08	1.2E+08	*	9.45E-41	2.163E-40	0.157893	chr2_118853401_118853(	sig	hyper
chr2	1.2E+08	1.2E+08	*	5.067E-21	7.738E-21	0.119138	chr2_118854201_118854(	sig	hyper
chr2	1.2E+08	1.2E+08	*	1.99E-188	3.55E-187	0.28466	chr2_118854601_118854(	sig	hyper
chr2	1.2E+08	1.2E+08	*	1.07E-130	8.7E-130	0.263324	chr2_118856801_118857(	sig	hyper

chr2	1.2E+08	1.2E+08	*	2.61E-170	3.65E-169	0.330294	chr2_118857401_118857(	sig	hyper
chr2	1.2E+08	1.2E+08	*	0	0	0.348275	chr2_118857801_118858(	sig	hyper
chr2	1.2E+08	1.2E+08	*	5.827E-96	3.019E-95	0.339368	chr2_118858401_118858(	sig	hyper
chr2	1.2E+08	1.2E+08	*	1.077E-94	5.476E-94	0.198988	chr2_118859001_118859:	sig	hyper
chr2	1.2E+08	1.2E+08	*	4.198E-22	6.581E-22	0.125022	chr2_119011801_119012(	sig	hyper
chr2	1.2E+08	1.2E+08	*	1.31E-123	9.74E-123	0.179979	chr2_119156601_119156(	sig	hyper
chr2	1.2E+08	1.2E+08	*	2.63E-108	1.6E-107	0.309091	chr2_119156801_119157(	sig	hyper
chr2	1.2E+08	1.2E+08	*	7.239E-97	3.791E-96	0.284581	chr2_119157001_119157:	sig	hyper
chr2	1.2E+08	1.2E+08	*	1.53E-111	9.77E-111	0.339544	chr2_119158201_119158-	sig	hyper
chr2	1.2E+08	1.2E+08	*	2.04E-109	1.26E-108	0.284274	chr2_119159001_119159:	sig	hyper
chr2	1.2E+08	1.2E+08	*	5.314E-36	1.117E-35	0.136719	chr2_119432401_119432(	sig	hyper
chr2	1.2E+08	1.2E+08	*	3.91E-137	3.46E-136	0.230786	chr2_119523801_119524(	sig	hyper
chr2	1.2E+08	1.2E+08	*	8.367E-15	1.078E-14	0.104442	chr2_119524601_119524(	sig	hyper
chr2	1.2E+08	1.2E+08	*	1.523E-18	2.181E-18	-0.11233	chr2_120222801_120223(	sig	hypo
chr2	1.2E+08	1.2E+08	*	0	0	0.234023	chr2_120346401_120346(	sig	hyper
chr2	1.2E+08	1.2E+08	*	2.36E-28	4.265E-28	0.124979	chr2_120347401_120347(	sig	hyper
chr2	1.2E+08	1.2E+08	*	7.955E-64	2.631E-63	-0.25008	chr2_120358801_120359(	sig	hypo
chr2	1.2E+08	1.2E+08	*	4.75E-197	9.6E-196	-0.3785	chr2_120466201_120466-	sig	hypo
chr2	1.2E+08	1.2E+08	*	2.854E-38	6.26E-38	-0.1165	chr2_120511601_120511(	sig	hypo
chr2	1.2E+08	1.2E+08	*	9.152E-19	1.319E-18	-0.10548	chr2_120579001_120579:	sig	hypo
chr2	1.2E+08	1.2E+08	*	1.148E-13	1.426E-13	0.117316	chr2_120654201_120654-	sig	hyper
chr2	1.2E+08	1.2E+08	*	4.15E-166	5.46E-165	0.176728	chr2_120736601_120736(	sig	hyper
chr2	1.2E+08	1.2E+08	*	2.255E-57	6.767E-57	0.172467	chr2_120766001_120766:	sig	hyper
chr2	1.2E+08	1.2E+08	*	8.69E-184	1.45E-182	0.248933	chr2_120868001_120868:	sig	hyper
chr2	1.2E+08	1.2E+08	*	1.579E-34	3.235E-34	-0.10163	chr2_120978001_120978:	sig	hypo
chr2	1.2E+08	1.2E+08	*	6.096E-39	1.353E-38	-0.12007	chr2_120984601_120984(	sig	hypo
chr2	1.2E+08	1.2E+08	*	5.902E-10	6.375E-10	0.116348	chr2_121019001_121019:	sig	hyper
chr2	1.2E+08	1.2E+08	*	1.075E-15	1.422E-15	-0.11781	chr2_123686401_123686(	sig	hypo
chr2	1.2E+08	1.2E+08	*	1.255E-17	1.751E-17	-0.1015	chr2_123686601_123686(	sig	hypo
chr2	1.2E+08	1.2E+08	*	1.36E-263	6.48E-262	0.368264	chr2_124024601_124024(	sig	hyper
chr2	1.2E+08	1.2E+08	*	2.42E-103	1.37E-102	0.250418	chr2_124025201_124025-	sig	hyper
chr2	1.2E+08	1.2E+08	*	2.13E-100	1.16E-99	0.380702	chr2_124025601_124025(	sig	hyper
chr2	1.3E+08	1.3E+08	*	8.819E-88	4.079E-87	0.21092	chr2_126656801_126657(	sig	hyper
chr2	1.3E+08	1.3E+08	*	1.007E-23	1.645E-23	0.10969	chr2_126657201_126657-	sig	hyper
chr2	1.3E+08	1.3E+08	*	3.222E-21	4.943E-21	0.104025	chr2_126657401_126657(	sig	hyper
chr2	1.3E+08	1.3E+08	*	7.63E-190	1.39E-188	0.231195	chr2_127025001_127025:	sig	hyper
chr2	1.3E+08	1.3E+08	*	4.51E-144	4.39E-143	0.146901	chr2_127025401_127025(	sig	hyper
chr2	1.3E+08	1.3E+08	*	7.591E-86	3.413E-85	0.126407	chr2_127025601_127025(	sig	hyper
chr2	1.3E+08	1.3E+08	*	2.589E-29	4.771E-29	0.134641	chr2_127073001_127073:	sig	hyper
chr2	1.3E+08	1.3E+08	*	3.36E-103	1.9E-102	0.258725	chr2_127175801_127176(	sig	hyper
chr2	1.3E+08	1.3E+08	*	1.15E-139	1.06E-138	0.296167	chr2_127176001_127176:	sig	hyper
chr2	1.3E+08	1.3E+08	*	1.399E-42	3.304E-42	-0.10652	chr2_127193001_127193:	sig	hypo
chr2	1.3E+08	1.3E+08	*	1.093E-43	2.627E-43	0.125372	chr2_127624201_127624-	sig	hyper
chr2	1.3E+08	1.3E+08	*	4.398E-19	6.394E-19	0.127484	chr2_127631401_127631(	sig	hyper
chr2	1.3E+08	1.3E+08	*	4.64E-19	6.741E-19	0.132119	chr2_127645601_127645(	sig	hyper
chr2	1.3E+08	1.3E+08	*	1.4E-147	1.43E-146	0.261459	chr2_127653001_127653:	sig	hyper
chr2	1.3E+08	1.3E+08	*	8.722E-74	3.308E-73	0.226096	chr2_127664601_127664(	sig	hyper
chr2	1.3E+08	1.3E+08	*	1.203E-56	3.566E-56	0.185048	chr2_127681601_127681(	sig	hyper
chr2	1.3E+08	1.3E+08	*	1.776E-26	3.095E-26	0.137618	chr2_127695801_127696(	sig	hyper
chr2	1.3E+08	1.3E+08	*	1.95E-183	3.23E-182	-0.29977	chr2_127700601_127700(	sig	hypo
chr2	1.3E+08	1.3E+08	*	7.967E-98	4.22E-97	-0.29197	chr2_127700801_127701(	sig	hypo
chr2	1.3E+08	1.3E+08	*	1.796E-47	4.602E-47	-0.11745	chr2_128526601_128526(	sig	hypo
chr2	1.3E+08	1.3E+08	*	1.663E-21	2.568E-21	-0.13213	chr2_128735801_128736(	sig	hypo
chr2	1.3E+08	1.3E+08	*	2.115E-15	2.776E-15	-0.10192	chr2_128736001_128736:	sig	hypo
chr2	1.3E+08	1.3E+08	*	4.99E-156	5.73E-155	0.281698	chr2_129587401_129587(	sig	hyper
chr2	1.3E+08	1.3E+08	*	4.677E-51	1.265E-50	0.202514	chr2_129587601_129587(	sig	hyper

chr2	1.3E+08	1.3E+08	*	3.777E-36	7.97E-36	0.144485	chr2_129878401_129878	sig	hyper
chr2	1.3E+08	1.3E+08	*	5.835E-48	1.506E-47	0.137621	chr2_129934201_129934	sig	hyper
chr2	1.3E+08	1.3E+08	*	2.13E-231	6.6E-230	0.194321	chr2_129979601_129979	sig	hyper
chr2	1.3E+08	1.3E+08	*	1.82E-130	1.48E-129	0.209277	chr2_130005801_130006	sig	hyper
chr2	1.3E+08	1.3E+08	*	1.28E-112	8.32E-112	0.24657	chr2_130006001_130006	sig	hyper
chr2	1.3E+08	1.3E+08	*	2.039E-46	5.132E-46	-0.18247	chr2_130075001_130075	sig	hypo
chr2	1.3E+08	1.3E+08	*	8.02E-53	2.234E-52	-0.13314	chr2_130129201_130129	sig	hypo
chr2	1.3E+08	1.3E+08	*	3.519E-22	5.53E-22	-0.13183	chr2_130139401_130139	sig	hypo
chr2	1.3E+08	1.3E+08	*	3.487E-27	6.165E-27	-0.10914	chr2_130180601_130180	sig	hypo
chr2	1.3E+08	1.3E+08	*	8.55E-19	1.234E-18	0.131722	chr2_130213201_130213	sig	hyper
chr2	1.3E+08	1.3E+08	*	1.596E-21	2.468E-21	0.118754	chr2_130229401_130229	sig	hyper
chr2	1.3E+08	1.3E+08	*	3.045E-26	5.273E-26	-0.10565	chr2_130230401_130230	sig	hypo
chr2	1.3E+08	1.3E+08	*	2.785E-43	6.649E-43	0.122037	chr2_130332401_130332	sig	hyper
chr2	1.3E+08	1.3E+08	*	1.115E-61	3.565E-61	0.133553	chr2_130337201_130337	sig	hyper
chr2	1.3E+08	1.3E+08	*	7.027E-69	2.489E-68	0.143741	chr2_130427601_130427	sig	hyper
chr2	1.3E+08	1.3E+08	*	5.18E-212	1.28E-210	0.166767	chr2_130427801_130428	sig	hyper
chr2	1.3E+08	1.3E+08	*	6.743E-39	1.496E-38	0.100507	chr2_130693401_130693	sig	hyper
chr2	1.3E+08	1.3E+08	*	1.11E-109	6.88E-109	0.162135	chr2_130964001_130964	sig	hyper
chr2	1.3E+08	1.3E+08	*	1.08E-211	2.66E-210	0.287825	chr2_130964601_130964	sig	hyper
chr2	1.3E+08	1.3E+08	*	1.387E-27	2.473E-27	0.115885	chr2_131040001_131040	sig	hyper
chr2	1.3E+08	1.3E+08	*	9.973E-21	1.512E-20	0.150883	chr2_131040401_131040	sig	hyper
chr2	1.3E+08	1.3E+08	*	8.864E-56	2.593E-55	0.185212	chr2_131041201_131041	sig	hyper
chr2	1.3E+08	1.3E+08	*	8.095E-22	1.262E-21	-0.10165	chr2_131209601_131209	sig	hypo
chr2	1.3E+08	1.3E+08	*	1.015E-51	2.776E-51	0.203439	chr2_131646801_131647	sig	hyper
chr2	1.3E+08	1.3E+08	*	5.154E-58	1.559E-57	0.233985	chr2_131647001_131647	sig	hyper
chr2	1.3E+08	1.3E+08	*	4.649E-39	1.034E-38	0.164979	chr2_131724201_131724	sig	hyper
chr2	1.3E+08	1.3E+08	*	5.557E-42	1.3E-41	-0.20942	chr2_131813401_131813	sig	hypo
chr2	1.3E+08	1.3E+08	*	6.1E-123	4.5E-122	0.258024	chr2_131830001_131830	sig	hyper
chr2	1.3E+08	1.3E+08	*	1.605E-29	2.971E-29	-0.10446	chr2_132161601_132161	sig	hypo
chr2	1.3E+08	1.3E+08	*	9.301E-21	1.412E-20	-0.11279	chr2_132161801_132162	sig	hypo
chr2	1.3E+08	1.3E+08	*	4.12E-234	1.33E-232	0.348184	chr2_132257001_132257	sig	hyper
chr2	1.3E+08	1.3E+08	*	6.024E-63	1.959E-62	0.135526	chr2_132645201_132645	sig	hyper
chr2	1.3E+08	1.3E+08	*	1.282E-43	3.078E-43	0.206951	chr2_132668601_132668	sig	hyper
chr2	1.3E+08	1.3E+08	*	1.89E-119	1.32E-118	0.323234	chr2_134717801_134718	sig	hyper
chr2	1.3E+08	1.3E+08	*	9.645E-30	1.794E-29	0.193374	chr2_134719401_134719	sig	hyper
chr2	1.4E+08	1.4E+08	*	2.508E-35	5.217E-35	0.158471	chr2_136088201_136088	sig	hyper
chr2	1.4E+08	1.4E+08	*	1.828E-65	6.176E-65	0.11859	chr2_136118201_136118	sig	hyper
chr2	1.4E+08	1.4E+08	*	3.762E-51	1.019E-50	0.103948	chr2_136118401_136118	sig	hyper
chr2	1.4E+08	1.4E+08	*	2.342E-93	1.165E-92	0.113204	chr2_136119001_136119	sig	hyper
chr2	1.4E+08	1.4E+08	*	1.7E-107	1.02E-106	0.176958	chr2_136764601_136764	sig	hyper
chr2	1.4E+08	1.4E+08	*	1.97E-160	2.41E-159	0.318899	chr2_136766001_136766	sig	hyper
chr2	1.4E+08	1.4E+08	*	9.08E-197	1.83E-195	0.271198	chr2_138780001_138780	sig	hyper
chr2	1.4E+08	1.4E+08	*	8.27E-134	7.03E-133	0.27478	chr2_142130001_142130	sig	hyper
chr2	1.4E+08	1.4E+08	*	5.57E-195	1.09E-193	0.231738	chr2_142130201_142130	sig	hyper
chr2	1.4E+08	1.4E+08	*	7.653E-81	3.209E-80	0.264947	chr2_142130401_142130	sig	hyper
chr2	1.4E+08	1.4E+08	*	1.26E-126	9.77E-126	0.24231	chr2_143937401_143937	sig	hyper
chr2	1.4E+08	1.4E+08	*	6.96E-198	1.42E-196	0.232581	chr2_144517201_144517	sig	hyper
chr2	1.4E+08	1.4E+08	*	1.61E-105	9.38E-105	0.156951	chr2_144517601_144517	sig	hyper
chr2	1.4E+08	1.4E+08	*	9.283E-75	3.573E-74	0.137144	chr2_144520001_144520	sig	hyper
chr2	1.4E+08	1.4E+08	*	8.534E-94	4.276E-93	0.165224	chr2_144523801_144524	sig	hyper
chr2	1.4E+08	1.4E+08	*	8.817E-58	2.659E-57	0.194358	chr2_144524601_144524	sig	hyper
chr2	1.5E+08	1.5E+08	*	1.291E-57	3.886E-57	0.187216	chr2_148876001_148876	sig	hyper
chr2	1.5E+08	1.5E+08	*	4.306E-58	1.303E-57	-0.22334	chr2_148882201_148882	sig	hypo
chr2	1.5E+08	1.5E+08	*	6.497E-22	1.015E-21	0.122038	chr2_148888001_148888	sig	hyper
chr2	1.5E+08	1.5E+08	*	3.496E-73	1.313E-72	0.152906	chr2_148888201_148888	sig	hyper
chr2	1.5E+08	1.5E+08	*	7.326E-92	3.577E-91	0.258968	chr2_153478001_153478	sig	hyper

chr2	1.5E+08	1.5E+08	*	3.65E-200	7.75E-199	0.315062	chr2_153871401_153871	sig	hyper
chr2	1.5E+08	1.5E+08	*	6.689E-74	2.542E-73	0.130851	chr2_153872001_153872	sig	hyper
chr2	1.5E+08	1.5E+08	*	1.878E-27	3.34E-27	0.129861	chr2_153872201_153872	sig	hyper
chr2	1.5E+08	1.5E+08	*	0	0	0.245315	chr2_154698801_154699	sig	hyper
chr2	1.6E+08	1.6E+08	*	6.378E-47	1.62E-46	0.143185	chr2_156320401_156320	sig	hyper
chr2	1.6E+08	1.6E+08	*	2.256E-67	7.821E-67	0.255469	chr2_156320801_156321	sig	hyper
chr2	1.6E+08	1.6E+08	*	4.753E-55	1.373E-54	0.130181	chr2_156321001_156321	sig	hyper
chr2	1.6E+08	1.6E+08	*	1.285E-41	2.988E-41	0.107853	chr2_156322201_156322	sig	hyper
chr2	1.6E+08	1.6E+08	*	2.75E-143	2.64E-142	0.175894	chr2_156322801_156323	sig	hyper
chr2	1.6E+08	1.6E+08	*	1.832E-23	2.971E-23	0.206552	chr2_156329201_156329	sig	hyper
chr2	1.6E+08	1.6E+08	*	4.548E-43	1.082E-42	0.198168	chr2_157597401_157597	sig	hyper
chr2	1.6E+08	1.6E+08	*	1.08E-149	1.15E-148	-0.19666	chr2_159904801_159905	sig	hypo
chr2	1.6E+08	1.6E+08	*	8.713E-74	3.305E-73	-0.31918	chr2_160396801_160397	sig	hypo
chr2	1.6E+08	1.6E+08	*	2.179E-53	6.128E-53	0.157628	chr2_160408601_160408	sig	hyper
chr2	1.6E+08	1.6E+08	*	3.62E-42	8.489E-42	0.163743	chr2_160408801_160409	sig	hyper
chr2	1.6E+08	1.6E+08	*	5.747E-36	1.207E-35	0.160851	chr2_161237401_161237	sig	hyper
chr2	1.6E+08	1.6E+08	*	1.126E-54	3.236E-54	0.210491	chr2_161416601_161416	sig	hyper
chr2	1.6E+08	1.6E+08	*	1.15E-140	1.07E-139	0.243603	chr2_161416801_161417	sig	hyper
chr2	1.6E+08	1.6E+08	*	2.07E-111	1.32E-110	0.218962	chr2_161417001_161417	sig	hyper
chr2	1.6E+08	1.6E+08	*	3.539E-74	1.35E-73	0.244677	chr2_161417401_161417	sig	hyper
chr2	1.6E+08	1.6E+08	*	8.843E-28	1.582E-27	0.184352	chr2_161417801_161418	sig	hyper
chr2	1.6E+08	1.6E+08	*	1.503E-24	2.503E-24	0.141685	chr2_161424601_161424	sig	hyper
chr2	1.6E+08	1.6E+08	*	2.661E-79	1.095E-78	0.253102	chr2_161426601_161426	sig	hyper
chr2	1.6E+08	1.6E+08	*	2.24E-128	1.77E-127	0.219378	chr2_161426801_161427	sig	hyper
chr2	1.6E+08	1.6E+08	*	5.07E-104	2.9E-103	0.247012	chr2_161427201_161427	sig	hyper
chr2	1.6E+08	1.6E+08	*	2.07E-210	4.95E-209	0.308284	chr2_161427401_161427	sig	hyper
chr2	1.6E+08	1.6E+08	*	3.508E-75	1.359E-74	0.256898	chr2_163348001_163348	sig	hyper
chr2	1.6E+08	1.6E+08	*	1.65E-83	7.189E-83	0.25238	chr2_163348201_163348	sig	hyper
chr2	1.6E+08	1.6E+08	*	1.32E-152	1.45E-151	0.208502	chr2_163348401_163348	sig	hyper
chr2	1.6E+08	1.6E+08	*	1.34E-18	1.922E-18	0.144305	chr2_163733601_163733	sig	hyper
chr2	1.6E+08	1.6E+08	*	3.687E-19	5.37E-19	0.116508	chr2_164955401_164955	sig	hyper
chr2	1.6E+08	1.6E+08	*	3.835E-22	6.02E-22	0.119833	chr2_164955601_164955	sig	hyper
chr2	1.7E+08	1.7E+08	*	1.28E-109	7.95E-109	0.129422	chr2_167294401_167294	sig	hyper
chr2	1.7E+08	1.7E+08	*	2.762E-20	4.143E-20	-0.11876	chr2_167716201_167716	sig	hypo
chr2	1.7E+08	1.7E+08	*	1.45E-14	1.854E-14	-0.10618	chr2_169768201_169768	sig	hypo
chr2	1.7E+08	1.7E+08	*	1.96E-183	3.24E-182	0.287179	chr2_170717201_170717	sig	hyper
chr2	1.7E+08	1.7E+08	*	4.631E-30	8.671E-30	0.198133	chr2_170717601_170717	sig	hyper
chr2	1.7E+08	1.7E+08	*	3.779E-13	4.614E-13	0.105853	chr2_170813801_170814	sig	hyper
chr2	1.7E+08	1.7E+08	*	2.5E-117	1.72E-116	0.21315	chr2_170815001_170815	sig	hyper
chr2	1.7E+08	1.7E+08	*	3.33E-144	3.25E-143	0.227766	chr2_170815201_170815	sig	hyper
chr2	1.7E+08	1.7E+08	*	1.76E-120	1.26E-119	0.254199	chr2_170820201_170820	sig	hyper
chr2	1.7E+08	1.7E+08	*	3.436E-53	9.632E-53	0.296273	chr2_170821601_170821	sig	hyper
chr2	1.7E+08	1.7E+08	*	6.775E-10	7.301E-10	0.123034	chr2_172080201_172080	sig	hyper
chr2	1.7E+08	1.7E+08	*	1.177E-54	3.379E-54	0.15211	chr2_172087201_172087	sig	hyper
chr2	1.7E+08	1.7E+08	*	5.434E-75	2.099E-74	0.186994	chr2_172087401_172087	sig	hyper
chr2	1.7E+08	1.7E+08	*	1.82E-33	3.646E-33	0.112082	chr2_172087601_172087	sig	hyper
chr2	1.7E+08	1.7E+08	*	1.322E-36	2.817E-36	0.123342	chr2_172088001_172088	sig	hyper
chr2	1.7E+08	1.7E+08	*	5.279E-38	1.153E-37	0.114116	chr2_172088201_172088	sig	hyper
chr2	1.7E+08	1.7E+08	*	2.689E-47	6.871E-47	0.136949	chr2_172088601_172088	sig	hyper
chr2	1.7E+08	1.7E+08	*	4.364E-53	1.221E-52	0.201973	chr2_172090601_172090	sig	hyper
chr2	1.7E+08	1.7E+08	*	7.905E-23	1.263E-22	0.123055	chr2_172091001_172091	sig	hyper
chr2	1.7E+08	1.7E+08	*	9.425E-67	3.24E-66	0.233531	chr2_172093601_172093	sig	hyper
chr2	1.7E+08	1.7E+08	*	3.74E-39	8.333E-39	0.204005	chr2_172108001_172108	sig	hyper
chr2	1.7E+08	1.7E+08	*	2.26E-162	2.83E-161	0.283298	chr2_172108401_172108	sig	hyper
chr2	1.7E+08	1.7E+08	*	3.957E-28	7.121E-28	0.132784	chr2_172109401_172109	sig	hyper
chr2	1.7E+08	1.7E+08	*	7.174E-67	2.468E-66	-0.19888	chr2_172428801_172429	sig	hypo

chr2	1.7E+08	1.7E+08	*	5.068E-24	8.33E-24	-0.12966	chr2_172674401_172674	sig	hypo
chr2	1.7E+08	1.7E+08	*	1.319E-79	5.45E-79	0.195087	chr2_174328001_174328	sig	hyper
chr2	1.7E+08	1.7E+08	*	5.81E-153	6.44E-152	0.192084	chr2_174328601_174328	sig	hyper
chr2	1.7E+08	1.7E+08	*	8.77E-100	4.75E-99	0.28023	chr2_174329001_174329	sig	hyper
chr2	1.7E+08	1.7E+08	*	1.264E-82	5.441E-82	0.128899	chr2_174335001_174335	sig	hyper
chr2	1.7E+08	1.7E+08	*	3.094E-21	4.749E-21	0.10852	chr2_174341001_174341	sig	hyper
chr2	1.7E+08	1.7E+08	*	7.7E-158	9.04E-157	0.266961	chr2_174730001_174730	sig	hyper
chr2	1.7E+08	1.7E+08	*	5.129E-43	1.219E-42	0.178545	chr2_174730401_174730	sig	hyper
chr2	1.8E+08	1.8E+08	*	5.946E-30	1.11E-29	0.195218	chr2_176068001_176068	sig	hyper
chr2	1.8E+08	1.8E+08	*	1.623E-14	2.071E-14	0.112352	chr2_176068401_176068	sig	hyper
chr2	1.8E+08	1.8E+08	*	2.49E-70	9.005E-70	0.17351	chr2_176068601_176068	sig	hyper
chr2	1.8E+08	1.8E+08	*	8.097E-18	1.136E-17	0.143043	chr2_176071601_176071	sig	hyper
chr2	1.8E+08	1.8E+08	*	2.164E-33	4.333E-33	0.194728	chr2_176071801_176072	sig	hyper
chr2	1.8E+08	1.8E+08	*	1.977E-39	4.421E-39	0.115829	chr2_176082401_176082	sig	hyper
chr2	1.8E+08	1.8E+08	*	3.981E-93	1.974E-92	0.227902	chr2_176083201_176083	sig	hyper
chr2	1.8E+08	1.8E+08	*	3.642E-53	1.02E-52	0.162824	chr2_176085201_176085	sig	hyper
chr2	1.8E+08	1.8E+08	*	1.002E-73	3.792E-73	0.135318	chr2_176085801_176086	sig	hyper
chr2	1.8E+08	1.8E+08	*	1.615E-32	3.174E-32	0.119411	chr2_176092201_176092	sig	hyper
chr2	1.8E+08	1.8E+08	*	3.711E-64	1.233E-63	-0.24551	chr2_176114401_176114	sig	hypo
chr2	1.8E+08	1.8E+08	*	1.135E-33	2.282E-33	-0.13995	chr2_176124001_176124	sig	hypo
chr2	1.8E+08	1.8E+08	*	5.472E-37	1.175E-36	-0.19804	chr2_176124601_176124	sig	hypo
chr2	1.8E+08	1.8E+08	*	1.65E-110	1.04E-109	-0.24991	chr2_176124801_176125	sig	hypo
chr2	1.8E+08	1.8E+08	*	1.494E-37	3.243E-37	-0.1368	chr2_176149601_176149	sig	hypo
chr2	1.8E+08	1.8E+08	*	9.861E-29	1.797E-28	-0.11466	chr2_176149801_176150	sig	hypo
chr2	1.8E+08	1.8E+08	*	5.261E-30	9.836E-30	-0.13814	chr2_176150401_176150	sig	hypo
chr2	1.8E+08	1.8E+08	*	9.325E-49	2.439E-48	-0.20961	chr2_176152801_176153	sig	hypo
chr2	1.8E+08	1.8E+08	*	7.175E-33	1.421E-32	-0.13616	chr2_176157601_176157	sig	hypo
chr2	1.8E+08	1.8E+08	*	2.525E-85	1.128E-84	-0.14032	chr2_176157801_176158	sig	hypo
chr2	1.8E+08	1.8E+08	*	5.817E-32	1.131E-31	0.136082	chr2_176161201_176161	sig	hyper
chr2	1.8E+08	1.8E+08	*	8.032E-34	1.621E-33	0.121841	chr2_176164801_176165	sig	hyper
chr2	1.8E+08	1.8E+08	*	5.54E-31	1.057E-30	0.11062	chr2_176165001_176165	sig	hyper
chr2	1.8E+08	1.8E+08	*	5.595E-20	8.325E-20	0.143313	chr2_176171601_176171	sig	hyper
chr2	1.8E+08	1.8E+08	*	9.614E-40	2.162E-39	-0.15414	chr2_176172801_176173	sig	hypo
chr2	1.8E+08	1.8E+08	*	4.454E-61	1.408E-60	0.204805	chr2_176189401_176189	sig	hyper
chr2	1.8E+08	1.8E+08	*	7.905E-32	1.532E-31	-0.13335	chr2_176638801_176639	sig	hypo
chr2	1.8E+08	1.8E+08	*	8.279E-98	4.382E-97	0.157746	chr2_179861601_179861	sig	hyper
chr2	1.8E+08	1.8E+08	*	6.79E-243	2.5E-241	0.222427	chr2_181457001_181457	sig	hyper
chr2	1.8E+08	1.8E+08	*	1.484E-70	5.381E-70	0.241918	chr2_181678001_181678	sig	hyper
chr2	1.8E+08	1.8E+08	*	1.74E-205	3.89E-204	0.266989	chr2_181678401_181678	sig	hyper
chr2	1.8E+08	1.8E+08	*	2.882E-76	1.134E-75	0.16972	chr2_181679601_181679	sig	hyper
chr2	1.8E+08	1.8E+08	*	8.32E-101	4.57E-100	0.146209	chr2_181680801_181681	sig	hyper
chr2	1.8E+08	1.8E+08	*	1.395E-32	2.747E-32	0.172009	chr2_181681001_181681	sig	hyper
chr2	1.8E+08	1.8E+08	*	4.478E-28	8.049E-28	0.144284	chr2_181681201_181681	sig	hyper
chr2	1.8E+08	1.8E+08	*	3.88E-111	2.46E-110	0.359116	chr2_181682601_181682	sig	hyper
chr2	1.8E+08	1.8E+08	*	1.16E-114	7.74E-114	0.415416	chr2_181682801_181683	sig	hyper
chr2	1.8E+08	1.8E+08	*	2.119E-96	1.103E-95	0.315554	chr2_181683801_181684	sig	hyper
chr2	1.8E+08	1.8E+08	*	1.98E-145	1.96E-144	0.349144	chr2_181684001_181684	sig	hyper
chr2	1.8E+08	1.8E+08	*	5.4E-159	6.43E-158	0.359405	chr2_181684401_181684	sig	hyper
chr2	1.8E+08	1.8E+08	*	1.01E-108	6.16E-108	0.237751	chr2_181684601_181684	sig	hyper
chr2	1.8E+08	1.8E+08	*	1.39E-198	2.87E-197	0.359237	chr2_181684801_181685	sig	hyper
chr2	1.8E+08	1.8E+08	*	1.09E-115	7.36E-115	0.178312	chr2_181685201_181685	sig	hyper
chr2	1.8E+08	1.8E+08	*	5.14E-185	8.74E-184	0.250163	chr2_182867001_182867	sig	hyper
chr2	1.8E+08	1.8E+08	*	5.847E-11	6.591E-11	-0.117	chr2_183608001_183608	sig	hypo
chr2	1.8E+08	1.8E+08	*	1.21E-161	1.5E-160	0.215511	chr2_184597601_184597	sig	hyper
chr2	1.8E+08	1.8E+08	*	6.86E-110	4.27E-109	0.248413	chr2_184598001_184598	sig	hyper
chr2	1.8E+08	1.8E+08	*	8.558E-86	3.844E-85	0.136216	chr2_184598401_184598	sig	hyper

chr2	1.9E+08	1.9E+08	*	3.18E-231	9.83E-230	0.279454	chr2_186849001_186849	sig	hyper
chr2	1.9E+08	1.9E+08	*	0	0	0.289127	chr2_186849201_186849	sig	hyper
chr2	1.9E+08	1.9E+08	*	1.594E-24	2.653E-24	-0.10226	chr2_186962001_186962	sig	hypo
chr2	1.9E+08	1.9E+08	*	8.479E-75	3.265E-74	0.140131	chr2_187003201_187003	sig	hyper
chr2	1.9E+08	1.9E+08	*	6.05E-48	1.562E-47	-0.14159	chr2_191881601_191881	sig	hypo
chr2	1.9E+08	1.9E+08	*	3.877E-66	1.323E-65	0.266625	chr2_192193401_192193	sig	hyper
chr2	1.9E+08	1.9E+08	*	6.321E-89	2.975E-88	0.277859	chr2_192194801_192195	sig	hyper
chr2	1.9E+08	1.9E+08	*	1.76E-193	3.37E-192	0.25221	chr2_192196001_192196	sig	hyper
chr2	2E+08	2E+08	*	1.129E-87	5.21E-87	0.231743	chr2_196592401_196592	sig	hyper
chr2	2E+08	2E+08	*	2.515E-60	7.875E-60	0.127121	chr2_196592601_196592	sig	hyper
chr2	2E+08	2E+08	*	1.076E-55	3.145E-55	0.11587	chr2_197309801_197310	sig	hyper
chr2	2E+08	2E+08	*	6.229E-49	1.635E-48	0.104723	chr2_199466001_199466	sig	hyper
chr2	2E+08	2E+08	*	6.85E-99	3.67E-98	0.146693	chr2_199469601_199469	sig	hyper
chr2	2E+08	2E+08	*	5.701E-63	1.855E-62	0.127478	chr2_199470201_199470	sig	hyper
chr2	2E+08	2E+08	*	3.14E-168	4.25E-167	0.152638	chr2_199470801_199471	sig	hyper
chr2	2E+08	2E+08	*	9.965E-29	1.816E-28	0.146239	chr2_199471001_199471	sig	hyper
chr2	2E+08	2E+08	*	1.91E-100	1.04E-99	0.26827	chr2_199603801_199604	sig	hyper
chr2	2E+08	2E+08	*	2.076E-35	4.324E-35	0.167652	chr2_199604201_199604	sig	hyper
chr2	2E+08	2E+08	*	4.34E-166	5.7E-165	0.138413	chr2_200585801_200586	sig	hyper
chr2	2E+08	2E+08	*	5.377E-96	2.788E-95	0.252689	chr2_200586201_200586	sig	hyper
chr2	2E+08	2E+08	*	1.863E-20	2.805E-20	-0.10881	chr2_200865801_200866	sig	hypo
chr2	2E+08	2E+08	*	2.475E-67	8.575E-67	0.17361	chr2_201619001_201619	sig	hyper
chr2	2E+08	2E+08	*	4.19E-131	3.44E-130	0.296209	chr2_201619201_201619	sig	hyper
chr2	2E+08	2E+08	*	7.29E-186	1.26E-184	0.317784	chr2_202035601_202035	sig	hyper
chr2	2E+08	2E+08	*	8.373E-74	3.178E-73	0.366355	chr2_202036201_202036	sig	hyper
chr2	2E+08	2E+08	*	3.85E-158	4.54E-157	0.338456	chr2_202036601_202036	sig	hyper
chr2	2E+08	2E+08	*	0	0	0.282266	chr2_202171401_202171	sig	hyper
chr2	2E+08	2E+08	*	2.445E-83	1.062E-82	0.211385	chr2_203237601_203237	sig	hyper
chr2	2.1E+08	2.1E+08	*	1.546E-55	4.504E-55	0.101876	chr2_205686001_205686	sig	hyper
chr2	2.1E+08	2.1E+08	*	1.46E-144	1.42E-143	0.307945	chr2_205686401_205686	sig	hyper
chr2	2.1E+08	2.1E+08	*	6.4E-102	3.56E-101	0.3157	chr2_205686601_205686	sig	hyper
chr2	2.1E+08	2.1E+08	*	3.99E-105	2.32E-104	0.274378	chr2_205687001_205687	sig	hyper
chr2	2.1E+08	2.1E+08	*	8.714E-71	3.172E-70	0.209116	chr2_205696001_205696	sig	hyper
chr2	2.1E+08	2.1E+08	*	3.252E-58	9.857E-58	0.155071	chr2_205763801_205764	sig	hyper
chr2	2.1E+08	2.1E+08	*	7.58E-123	5.58E-122	0.205036	chr2_206274401_206274	sig	hyper
chr2	2.1E+08	2.1E+08	*	1.24E-162	1.56E-161	0.147316	chr2_206442801_206443	sig	hyper
chr2	2.1E+08	2.1E+08	*	8.335E-79	3.403E-78	0.236791	chr2_206444001_206444	sig	hyper
chr2	2.1E+08	2.1E+08	*	1.742E-50	4.675E-50	0.240024	chr2_206444201_206444	sig	hyper
chr2	2.1E+08	2.1E+08	*	7.143E-67	2.458E-66	0.214512	chr2_206641801_206642	sig	hyper
chr2	2.1E+08	2.1E+08	*	8.2E-164	1.05E-162	0.306386	chr2_206642201_206642	sig	hyper
chr2	2.1E+08	2.1E+08	*	1.76E-155	2E-154	0.290918	chr2_206642401_206642	sig	hyper
chr2	2.1E+08	2.1E+08	*	4.49E-152	4.92E-151	-0.25142	chr2_207767601_207767	sig	hypo
chr2	2.1E+08	2.1E+08	*	3.357E-20	5.027E-20	-0.1019	chr2_207771001_207771	sig	hypo
chr2	2.1E+08	2.1E+08	*	1.445E-46	3.646E-46	-0.11032	chr2_207771201_207771	sig	hypo
chr2	2.1E+08	2.1E+08	*	1.27E-92	6.247E-92	0.249536	chr2_207926801_207927	sig	hyper
chr2	2.1E+08	2.1E+08	*	1.395E-65	4.722E-65	-0.15745	chr2_207930801_207931	sig	hypo
chr2	2.1E+08	2.1E+08	*	1.407E-61	4.493E-61	-0.16693	chr2_207931001_207931	sig	hypo
chr2	2.1E+08	2.1E+08	*	1.944E-77	7.785E-77	0.308274	chr2_208112201_208112	sig	hyper
chr2	2.1E+08	2.1E+08	*	3.013E-26	5.219E-26	0.116182	chr2_208124001_208124	sig	hyper
chr2	2.1E+08	2.1E+08	*	8.687E-30	1.617E-29	0.109227	chr2_208406401_208406	sig	hyper
chr2	2.1E+08	2.1E+08	*	4.79E-172	6.86E-171	0.279427	chr2_208407001_208407	sig	hyper
chr2	2.1E+08	2.1E+08	*	2.4E-199	5.03E-198	0.224561	chr2_208407201_208407	sig	hyper
chr2	2.1E+08	2.1E+08	*	1.943E-57	5.834E-57	0.111043	chr2_210225201_210225	sig	hyper
chr2	2.1E+08	2.1E+08	*	4.008E-94	2.016E-93	0.126067	chr2_210225401_210225	sig	hyper
chr2	2.1E+08	2.1E+08	*	4.63E-127	3.61E-126	0.248775	chr2_212536401_212536	sig	hyper
chr2	2.1E+08	2.1E+08	*	4.92E-192	9.24E-191	0.322667	chr2_212536601_212536	sig	hyper

chr2	2.1E+08	2.1E+08	*	6.32E-104	3.6E-103	0.335914	chr2_212536801_212537(	sig	hyper
chr2	2.1E+08	2.1E+08	*	4.344E-78	1.756E-77	0.275055	chr2_212537001_212537:	sig	hyper
chr2	2.1E+08	2.1E+08	*	5.76E-103	3.24E-102	0.190698	chr2_212537401_212537(	sig	hyper
chr2	2.1E+08	2.1E+08	*	3.955E-63	1.291E-62	0.151377	chr2_212537601_212537{	sig	hyper
chr2	2.1E+08	2.1E+08	*	4.443E-71	1.625E-70	0.102539	chr2_212539001_212539:	sig	hyper
chr2	2.2E+08	2.2E+08	*	5.079E-49	1.336E-48	0.103862	chr2_215436801_215437(	sig	hyper
chr2	2.2E+08	2.2E+08	*	8.82E-122	6.4E-121	0.140111	chr2_216694201_216694<	sig	hyper
chr2	2.2E+08	2.2E+08	*	1.27E-101	7.03E-101	0.154833	chr2_216694401_216694(	sig	hyper
chr2	2.2E+08	2.2E+08	*	1.56E-150	1.68E-149	0.293309	chr2_216694601_216694{	sig	hyper
chr2	2.2E+08	2.2E+08	*	4.919E-17	6.748E-17	0.102074	chr2_217848801_217849(	sig	hyper
chr2	2.2E+08	2.2E+08	*	3.151E-34	6.417E-34	-0.18852	chr2_218034401_218034(	sig	hypo
chr2	2.2E+08	2.2E+08	*	8.238E-96	4.259E-95	0.295965	chr2_218259401_218259(	sig	hyper
chr2	2.2E+08	2.2E+08	*	1.11E-109	6.86E-109	-0.34948	chr2_218354801_218355(	sig	hypo
chr2	2.2E+08	2.2E+08	*	2.06E-134	1.76E-133	0.237117	chr2_218368801_218369(	sig	hyper
chr2	2.2E+08	2.2E+08	*	2.453E-53	6.895E-53	-0.2345	chr2_218389801_218390(	sig	hypo
chr2	2.2E+08	2.2E+08	*	1.015E-28	1.849E-28	0.138881	chr2_218858801_218859(	sig	hyper
chr2	2.2E+08	2.2E+08	*	2E-87	9.19E-87	0.248701	chr2_218859001_218859:	sig	hyper
chr2	2.2E+08	2.2E+08	*	1.944E-38	4.279E-38	0.126362	chr2_218860201_218860<	sig	hyper
chr2	2.2E+08	2.2E+08	*	1.193E-47	3.065E-47	0.116912	chr2_218871001_218871:	sig	hyper
chr2	2.2E+08	2.2E+08	*	5.38E-249	2.13E-247	0.180806	chr2_218873401_218873(	sig	hyper
chr2	2.2E+08	2.2E+08	*	5.259E-54	1.495E-53	0.177622	chr2_218879801_218880(	sig	hyper
chr2	2.2E+08	2.2E+08	*	1.33E-166	1.76E-165	0.158268	chr2_218960401_218960(	sig	hyper
chr2	2.2E+08	2.2E+08	*	4.07E-131	3.35E-130	0.229528	chr2_218962001_218962:	sig	hyper
chr2	2.2E+08	2.2E+08	*	1.435E-31	2.766E-31	0.112917	chr2_218962801_218963(	sig	hyper
chr2	2.2E+08	2.2E+08	*	2.345E-74	8.973E-74	0.101055	chr2_218963001_218963:	sig	hyper
chr2	2.2E+08	2.2E+08	*	1.246E-38	2.752E-38	0.111791	chr2_218963201_218963<	sig	hyper
chr2	2.2E+08	2.2E+08	*	5.298E-80	2.202E-79	0.159292	chr2_218982401_218982(	sig	hyper
chr2	2.2E+08	2.2E+08	*	2.94E-106	1.74E-105	0.169258	chr2_218984401_218984(	sig	hyper
chr2	2.2E+08	2.2E+08	*	1.24E-253	5.15E-252	0.253168	chr2_219057601_219057{	sig	hyper
chr2	2.2E+08	2.2E+08	*	2.779E-54	7.934E-54	0.139011	chr2_219219201_219219<	sig	hyper
chr2	2.2E+08	2.2E+08	*	1.225E-56	3.629E-56	-0.19536	chr2_219250401_219250(	sig	hypo
chr2	2.2E+08	2.2E+08	*	3.85E-33	7.671E-33	0.194518	chr2_219331601_219331{	sig	hyper
chr2	2.2E+08	2.2E+08	*	2.605E-61	8.264E-61	0.244948	chr2_219331801_219332(	sig	hyper
chr2	2.2E+08	2.2E+08	*	8.89E-106	5.21E-105	0.25055	chr2_219332801_219333(	sig	hyper
chr2	2.2E+08	2.2E+08	*	8.307E-76	3.248E-75	0.278431	chr2_219358401_219358(	sig	hyper
chr2	2.2E+08	2.2E+08	*	3.43E-180	5.46E-179	0.290542	chr2_219418401_219418(	sig	hyper
chr2	2.2E+08	2.2E+08	*	3.43E-159	4.1E-158	0.362931	chr2_219421401_219421(	sig	hyper
chr2	2.2E+08	2.2E+08	*	1.47E-44	3.587E-44	0.198707	chr2_219444601_219444{	sig	hyper
chr2	2.2E+08	2.2E+08	*	1.496E-16	2.026E-16	0.115062	chr2_219445001_219445:	sig	hyper
chr2	2.2E+08	2.2E+08	*	4.21E-103	2.37E-102	0.318547	chr2_219448601_219448{	sig	hyper
chr2	2.2E+08	2.2E+08	*	1.09E-143	1.06E-142	0.224745	chr2_219496801_219497(	sig	hyper
chr2	2.2E+08	2.2E+08	*	9.57E-199	1.99E-197	0.282592	chr2_219497001_219497:	sig	hyper
chr2	2.2E+08	2.2E+08	*	1.045E-70	3.798E-70	0.163793	chr2_219497401_219497(	sig	hyper
chr2	2.2E+08	2.2E+08	*	1.96E-37	4.246E-37	-0.18283	chr2_219513001_219513:	sig	hypo
chr2	2.2E+08	2.2E+08	*	1.988E-41	4.603E-41	0.165414	chr2_219523201_219523<	sig	hyper
chr2	2.2E+08	2.2E+08	*	1.53E-190	2.82E-189	0.230187	chr2_219553001_219553:	sig	hyper
chr2	2.2E+08	2.2E+08	*	2.253E-33	4.509E-33	-0.12579	chr2_219562401_219562(	sig	hypo
chr2	2.2E+08	2.2E+08	*	2.038E-16	2.749E-16	-0.1382	chr2_219627001_219627:	sig	hypo
chr2	2.2E+08	2.2E+08	*	7.145E-41	1.638E-40	0.229701	chr2_219852001_219852:	sig	hyper
chr2	2.2E+08	2.2E+08	*	8.611E-62	2.759E-61	0.240378	chr2_221570401_221570(	sig	hyper
chr2	2.2E+08	2.2E+08	*	2.213E-56	6.536E-56	0.205639	chr2_221571001_221571:	sig	hyper
chr2	2.2E+08	2.2E+08	*	5.71E-206	1.29E-204	0.281733	chr2_222289401_222289(	sig	hyper
chr2	2.2E+08	2.2E+08	*	1.543E-53	4.352E-53	0.188422	chr2_222291401_222291(	sig	hyper
chr2	2.2E+08	2.2E+08	*	2.71E-126	2.09E-125	0.397241	chr2_222295001_222295:	sig	hyper
chr2	2.2E+08	2.2E+08	*	1.55E-229	4.7E-228	0.231526	chr2_222295401_222295(	sig	hyper
chr2	2.2E+08	2.2E+08	*	3.34E-138	3E-137	0.209879	chr2_222295601_222295{	sig	hyper

chr2	2.2E+08	2.2E+08	*	1.87E-250	7.56E-249	0.203357	chr2_222297001_222297	sig	hyper
chr2	2.2E+08	2.2E+08	*	1.263E-74	4.849E-74	0.229142	chr2_222297201_222297	sig	hyper
chr2	2.2E+08	2.2E+08	*	2.648E-25	4.483E-25	0.166695	chr2_222297801_222298	sig	hyper
chr2	2.2E+08	2.2E+08	*	1.157E-73	4.375E-73	0.207986	chr2_222298001_222298	sig	hyper
chr2	2.2E+08	2.2E+08	*	5.53E-113	3.61E-112	0.234367	chr2_222298201_222298	sig	hyper
chr2	2.2E+08	2.2E+08	*	1.433E-61	4.573E-61	0.200533	chr2_222298401_222298	sig	hyper
chr2	2.2E+08	2.2E+08	*	1.76E-134	1.51E-133	0.197399	chr2_222298801_222299	sig	hyper
chr2	2.2E+08	2.2E+08	*	1.07E-173	1.58E-172	0.215305	chr2_222299001_222299	sig	hyper
chr2	2.2E+08	2.2E+08	*	4.95E-169	6.78E-168	0.238877	chr2_222300001_222300	sig	hyper
chr2	2.2E+08	2.2E+08	*	6.255E-42	1.461E-41	0.118199	chr2_222301001_222301	sig	hyper
chr2	2.2E+08	2.2E+08	*	3.549E-40	8.049E-40	0.143087	chr2_222301201_222301	sig	hyper
chr2	2.2E+08	2.2E+08	*	6.63E-114	4.37E-113	0.188095	chr2_222302201_222302	sig	hyper
chr2	2.2E+08	2.2E+08	*	3.97E-161	4.88E-160	0.17781	chr2_222302601_222302	sig	hyper
chr2	2.2E+08	2.2E+08	*	1.343E-77	5.387E-77	0.313143	chr2_222303601_222303	sig	hyper
chr2	2.2E+08	2.2E+08	*	3.45E-117	2.37E-116	0.236088	chr2_222303801_222304	sig	hyper
chr2	2.2E+08	2.2E+08	*	3.2E-234	1.04E-232	0.23842	chr2_222304001_222304	sig	hyper
chr2	2.2E+08	2.2E+08	*	2.87E-121	2.07E-120	0.230833	chr2_222304201_222304	sig	hyper
chr2	2.2E+08	2.2E+08	*	2.2E-112	1.42E-111	0.34158	chr2_222304601_222304	sig	hyper
chr2	2.2E+08	2.2E+08	*	2.482E-63	8.132E-63	0.265701	chr2_222304801_222305	sig	hyper
chr2	2.2E+08	2.2E+08	*	2.3E-181	3.72E-180	0.171906	chr2_222311801_222312	sig	hyper
chr2	2.2E+08	2.2E+08	*	5.766E-73	2.158E-72	0.150752	chr2_222312001_222312	sig	hyper
chr2	2.2E+08	2.2E+08	*	1.01E-146	1.02E-145	0.213637	chr2_222312201_222312	sig	hyper
chr2	2.2E+08	2.2E+08	*	6.666E-62	2.139E-61	0.124505	chr2_222312601_222312	sig	hyper
chr2	2.2E+08	2.2E+08	*	4.94E-150	5.28E-149	-0.28028	chr2_222423801_222424	sig	hypo
chr2	2.2E+08	2.2E+08	*	3.325E-37	7.173E-37	-0.14126	chr2_222425601_222425	sig	hypo
chr2	2.2E+08	2.2E+08	*	2.573E-15	3.366E-15	0.152712	chr2_223053201_223053	sig	hyper
chr2	2.2E+08	2.2E+08	*	7.022E-26	1.207E-25	0.145721	chr2_224442201_224442	sig	hyper
chr2	2.3E+08	2.3E+08	*	1.423E-64	4.749E-64	0.155659	chr2_225042801_225043	sig	hyper
chr2	2.3E+08	2.3E+08	*	1.83E-25	3.109E-25	-0.10507	chr2_225582401_225582	sig	hypo
chr2	2.3E+08	2.3E+08	*	3.05E-104	1.75E-103	0.252949	chr2_226798201_226798	sig	hyper
chr2	2.3E+08	2.3E+08	*	4.92E-173	7.13E-172	0.243813	chr2_226798401_226798	sig	hyper
chr2	2.3E+08	2.3E+08	*	3.824E-46	9.565E-46	0.113655	chr2_227871401_227871	sig	hyper
chr2	2.3E+08	2.3E+08	*	2.23E-286	1.38E-284	0.368723	chr2_228181601_228181	sig	hyper
chr2	2.3E+08	2.3E+08	*	4.31E-148	4.45E-147	0.287926	chr2_228181801_228182	sig	hyper
chr2	2.3E+08	2.3E+08	*	1.73E-105	1.01E-104	0.313849	chr2_228182001_228182	sig	hyper
chr2	2.3E+08	2.3E+08	*	2.935E-33	5.862E-33	0.165356	chr2_231355801_231356	sig	hyper
chr2	2.3E+08	2.3E+08	*	2.588E-43	6.182E-43	0.220024	chr2_231395401_231395	sig	hyper
chr2	2.3E+08	2.3E+08	*	2.128E-66	7.283E-66	0.194606	chr2_231514801_231515	sig	hyper
chr2	2.3E+08	2.3E+08	*	3.121E-17	4.303E-17	-0.13306	chr2_231528201_231528	sig	hypo
chr2	2.3E+08	2.3E+08	*	1.996E-45	4.933E-45	-0.15861	chr2_231528401_231528	sig	hypo
chr2	2.3E+08	2.3E+08	*	1.051E-19	1.552E-19	-0.11125	chr2_231661801_231662	sig	hypo
chr2	2.3E+08	2.3E+08	*	1.07E-176	1.62E-175	-0.19938	chr2_231662601_231662	sig	hypo
chr2	2.3E+08	2.3E+08	*	9.771E-54	2.764E-53	-0.16698	chr2_231663001_231663	sig	hypo
chr2	2.3E+08	2.3E+08	*	1.002E-49	2.662E-49	-0.17636	chr2_231680601_231680	sig	hypo
chr2	2.3E+08	2.3E+08	*	3.082E-32	6.026E-32	-0.102	chr2_231707401_231707	sig	hypo
chr2	2.3E+08	2.3E+08	*	2.995E-58	9.078E-58	-0.10677	chr2_231707601_231707	sig	hypo
chr2	2.3E+08	2.3E+08	*	5.517E-34	1.117E-33	-0.19752	chr2_231924601_231924	sig	hypo
chr2	2.3E+08	2.3E+08	*	1.96E-190	3.61E-189	0.220953	chr2_231927001_231927	sig	hyper
chr2	2.3E+08	2.3E+08	*	4.32E-117	2.96E-116	0.194254	chr2_231927201_231927	sig	hyper
chr2	2.3E+08	2.3E+08	*	2.673E-61	8.477E-61	-0.20833	chr2_232315601_232315	sig	hypo
chr2	2.3E+08	2.3E+08	*	4.236E-87	1.938E-86	0.227586	chr2_232351401_232351	sig	hyper
chr2	2.3E+08	2.3E+08	*	4.852E-31	9.262E-31	-0.11288	chr2_232379601_232379	sig	hypo
chr2	2.3E+08	2.3E+08	*	2.08E-128	1.65E-127	0.194774	chr2_232381601_232381	sig	hyper
chr2	2.3E+08	2.3E+08	*	1.03E-201	2.22E-200	0.478455	chr2_232387801_232388	sig	hyper
chr2	2.3E+08	2.3E+08	*	2.57E-173	3.74E-172	0.431885	chr2_232388001_232388	sig	hyper
chr2	2.3E+08	2.3E+08	*	7.346E-63	2.386E-62	0.20724	chr2_232409801_232410	sig	hyper

chr2	2.3E+08	2.3E+08	*	5.53E-195	1.08E-193	0.419913	chr2_232419601_232419	sig	hyper
chr2	2.3E+08	2.3E+08	*	2.604E-84	1.148E-83	0.286438	chr2_232419801_232420	sig	hyper
chr2	2.3E+08	2.3E+08	*	5.496E-48	1.42E-47	-0.2236	chr2_232455801_232456	sig	hypo
chr2	2.3E+08	2.3E+08	*	1.42E-161	1.76E-160	0.23707	chr2_232459001_232459	sig	hyper
chr2	2.3E+08	2.3E+08	*	3.8E-284	2.3E-282	0.275117	chr2_232486201_232486	sig	hyper
chr2	2.3E+08	2.3E+08	*	2.618E-55	7.596E-55	0.198819	chr2_232487001_232487	sig	hyper
chr2	2.3E+08	2.3E+08	*	5.026E-91	2.433E-90	0.188603	chr2_232487201_232487	sig	hyper
chr2	2.3E+08	2.3E+08	*	7.163E-24	1.173E-23	0.10155	chr2_232503801_232504	sig	hyper
chr2	2.3E+08	2.3E+08	*	2.093E-87	9.617E-87	0.190831	chr2_232634801_232635	sig	hyper
chr2	2.3E+08	2.3E+08	*	3.891E-37	8.377E-37	0.123997	chr2_232901201_232901	sig	hyper
chr2	2.3E+08	2.3E+08	*	8.88E-269	4.59E-267	-0.39688	chr2_233060001_233060	sig	hypo
chr2	2.3E+08	2.3E+08	*	0	0	-0.35469	chr2_233060401_233060	sig	hypo
chr2	2.3E+08	2.3E+08	*	5.7E-201	1.22E-199	0.344686	chr2_233469601_233469	sig	hyper
chr2	2.3E+08	2.3E+08	*	9.821E-18	1.375E-17	0.124558	chr2_233480401_233480	sig	hyper
chr2	2.3E+08	2.3E+08	*	2.443E-54	6.982E-54	0.218142	chr2_233481801_233482	sig	hyper
chr2	2.3E+08	2.3E+08	*	2.651E-58	8.042E-58	-0.21672	chr2_233760201_233760	sig	hypo
chr2	2.3E+08	2.3E+08	*	2.003E-39	4.479E-39	-0.1523	chr2_233760401_233760	sig	hypo
chr2	2.3E+08	2.3E+08	*	0	0	0.334788	chr2_233939001_233939	sig	hyper
chr2	2.3E+08	2.3E+08	*	2.008E-41	4.649E-41	-0.15762	chr2_234500401_234500	sig	hypo
chr2	2.3E+08	2.3E+08	*	1.248E-50	3.355E-50	0.217955	chr2_234796201_234796	sig	hyper
chr2	2.4E+08	2.4E+08	*	2.439E-63	7.995E-63	0.164842	chr2_235493001_235493	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.233E-39	2.767E-39	0.201353	chr2_235493201_235493	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.708E-78	6.941E-78	-0.21335	chr2_235508801_235509	sig	hypo
chr2	2.4E+08	2.4E+08	*	6.24E-29	1.142E-28	-0.14168	chr2_235677601_235677	sig	hypo
chr2	2.4E+08	2.4E+08	*	5.06E-33	1.005E-32	0.108825	chr2_235748201_235748	sig	hyper
chr2	2.4E+08	2.4E+08	*	4.163E-68	1.458E-67	0.223586	chr2_235934401_235934	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.087E-27	1.941E-27	0.11004	chr2_236166001_236166	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.26E-101	6.99E-101	0.140955	chr2_236169401_236169	sig	hyper
chr2	2.4E+08	2.4E+08	*	3.484E-40	7.906E-40	0.135922	chr2_236169601_236169	sig	hyper
chr2	2.4E+08	2.4E+08	*	2.93E-41	6.762E-41	0.103831	chr2_236171001_236171	sig	hyper
chr2	2.4E+08	2.4E+08	*	9.478E-27	1.66E-26	0.138781	chr2_236177001_236177	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.439E-28	2.614E-28	0.193269	chr2_236214201_236214	sig	hyper
chr2	2.4E+08	2.4E+08	*	3.991E-13	4.87E-13	0.117014	chr2_236236401_236236	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.232E-88	5.781E-88	0.274928	chr2_236236601_236236	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.485E-50	3.988E-50	-0.16024	chr2_236497201_236497	sig	hypo
chr2	2.4E+08	2.4E+08	*	2.966E-81	1.251E-80	0.236479	chr2_236507601_236507	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.339E-81	5.678E-81	0.117127	chr2_236568001_236568	sig	hyper
chr2	2.4E+08	2.4E+08	*	3.58E-65	1.205E-64	0.101458	chr2_236568201_236568	sig	hyper
chr2	2.4E+08	2.4E+08	*	9.008E-44	2.169E-43	0.149055	chr2_236568401_236568	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.252E-31	2.418E-31	-0.16769	chr2_236579001_236579	sig	hypo
chr2	2.4E+08	2.4E+08	*	1.463E-24	2.437E-24	-0.11096	chr2_237372201_237372	sig	hypo
chr2	2.4E+08	2.4E+08	*	8.644E-82	3.674E-81	0.176037	chr2_237451401_237451	sig	hyper
chr2	2.4E+08	2.4E+08	*	2.805E-53	7.874E-53	0.125009	chr2_237486401_237486	sig	hyper
chr2	2.4E+08	2.4E+08	*	6.66E-144	6.46E-143	-0.3061	chr2_237590801_237591	sig	hypo
chr2	2.4E+08	2.4E+08	*	1.244E-06	1.143E-06	0.100003	chr2_237626801_237627	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.61E-159	1.94E-158	0.326051	chr2_237886201_237886	sig	hyper
chr2	2.4E+08	2.4E+08	*	9.342E-63	3.03E-62	-0.18028	chr2_238128801_238129	sig	hypo
chr2	2.4E+08	2.4E+08	*	2.489E-22	3.926E-22	-0.12266	chr2_238139801_238140	sig	hypo
chr2	2.4E+08	2.4E+08	*	6.248E-23	1.001E-22	0.103125	chr2_238204001_238204	sig	hyper
chr2	2.4E+08	2.4E+08	*	7.66E-162	9.53E-161	0.36233	chr2_238225801_238226	sig	hyper
chr2	2.4E+08	2.4E+08	*	8.07E-140	7.42E-139	0.220654	chr2_238226001_238226	sig	hyper
chr2	2.4E+08	2.4E+08	*	5.371E-39	1.193E-38	0.160337	chr2_238231201_238231	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.015E-30	1.924E-30	0.13936	chr2_238231401_238231	sig	hyper
chr2	2.4E+08	2.4E+08	*	7.54E-121	5.41E-120	0.175406	chr2_238231601_238231	sig	hyper
chr2	2.4E+08	2.4E+08	*	2.97E-21	4.563E-21	-0.11986	chr2_238241201_238241	sig	hypo
chr2	2.4E+08	2.4E+08	*	2.9E-145	2.88E-144	0.290312	chr2_238260801_238261	sig	hyper

chr2	2.4E+08	2.4E+08	*	5.098E-77	2.029E-76	0.221358	chr2_238261001_238261	sig	hyper
chr2	2.4E+08	2.4E+08	*	2.412E-46	6.061E-46	0.127741	chr2_238289601_238289	sig	hyper
chr2	2.4E+08	2.4E+08	*	2.926E-34	5.961E-34	-0.13254	chr2_238425801_238426	sig	hypo
chr2	2.4E+08	2.4E+08	*	7.763E-87	3.541E-86	-0.28139	chr2_238439601_238439	sig	hypo
chr2	2.4E+08	2.4E+08	*	2.12E-121	1.53E-120	-0.352	chr2_238494201_238494	sig	hypo
chr2	2.4E+08	2.4E+08	*	3.952E-48	1.023E-47	-0.19337	chr2_238494601_238494	sig	hypo
chr2	2.4E+08	2.4E+08	*	2.97E-244	1.11E-242	0.252107	chr2_238586401_238586	sig	hyper
chr2	2.4E+08	2.4E+08	*	2.487E-15	3.256E-15	-0.1143	chr2_238720201_238720	sig	hypo
chr2	2.4E+08	2.4E+08	*	1.006E-25	1.722E-25	0.10198	chr2_238847001_238847	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.11E-158	1.31E-157	-0.1998	chr2_238967601_238967	sig	hypo
chr2	2.4E+08	2.4E+08	*	1.351E-12	1.619E-12	0.11845	chr2_239003601_239003	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.643E-22	2.603E-22	-0.13153	chr2_239027601_239027	sig	hypo
chr2	2.4E+08	2.4E+08	*	4.158E-48	1.076E-47	0.13785	chr2_239111001_239111	sig	hyper
chr2	2.4E+08	2.4E+08	*	3.577E-36	7.554E-36	0.205198	chr2_239118201_239118	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.1E-137	9.8E-137	0.175067	chr2_239118401_239118	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.409E-21	2.181E-21	0.112025	chr2_239121601_239121	sig	hyper
chr2	2.4E+08	2.4E+08	*	4.25E-104	2.43E-103	0.245883	chr2_239199601_239199	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.49E-125	1.14E-124	0.296221	chr2_239240001_239240	sig	hyper
chr2	2.4E+08	2.4E+08	*	7.67E-128	6.04E-127	-0.26952	chr2_239247001_239247	sig	hypo
chr2	2.4E+08	2.4E+08	*	9.923E-70	3.558E-69	-0.22928	chr2_239247201_239247	sig	hypo
chr2	2.4E+08	2.4E+08	*	4.23E-184	7.1E-183	-0.301	chr2_239247401_239247	sig	hypo
chr2	2.4E+08	2.4E+08	*	6.52E-167	8.68E-166	0.339155	chr2_239250001_239250	sig	hyper
chr2	2.4E+08	2.4E+08	*	6.059E-43	1.438E-42	-0.15476	chr2_239252801_239253	sig	hypo
chr2	2.4E+08	2.4E+08	*	4.577E-30	8.571E-30	-0.18235	chr2_239260001_239260	sig	hypo
chr2	2.4E+08	2.4E+08	*	3.7E-132	3.08E-131	-0.29833	chr2_239275401_239275	sig	hypo
chr2	2.4E+08	2.4E+08	*	3.274E-32	6.396E-32	0.132874	chr2_239291401_239291	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.045E-24	1.746E-24	-0.18798	chr2_239294801_239295	sig	hypo
chr2	2.4E+08	2.4E+08	*	1.97E-254	8.3E-253	0.326864	chr2_239308801_239309	sig	hyper
chr2	2.4E+08	2.4E+08	*	0	0	0.369995	chr2_239309001_239309	sig	hyper
chr2	2.4E+08	2.4E+08	*	2.46E-239	8.57E-238	0.351578	chr2_239311201_239311	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.16E-140	1.08E-139	0.284835	chr2_239311401_239311	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.317E-83	5.746E-83	0.210644	chr2_239312801_239313	sig	hyper
chr2	2.4E+08	2.4E+08	*	3.15E-124	2.36E-123	0.280219	chr2_239349201_239349	sig	hyper
chr2	2.4E+08	2.4E+08	*	5.35E-101	2.94E-100	0.291998	chr2_239349401_239349	sig	hyper
chr2	2.4E+08	2.4E+08	*	5.332E-78	2.152E-77	0.209888	chr2_239397001_239397	sig	hyper
chr2	2.4E+08	2.4E+08	*	2.134E-59	6.581E-59	-0.20837	chr2_239483001_239483	sig	hypo
chr2	2.4E+08	2.4E+08	*	9.616E-53	2.676E-52	-0.24275	chr2_239498801_239499	sig	hypo
chr2	2.4E+08	2.4E+08	*	5.067E-56	1.487E-55	-0.12716	chr2_239506401_239506	sig	hypo
chr2	2.4E+08	2.4E+08	*	3.436E-27	6.075E-27	-0.11409	chr2_239506601_239506	sig	hypo
chr2	2.4E+08	2.4E+08	*	2.579E-42	6.064E-42	-0.13965	chr2_239678001_239678	sig	hypo
chr2	2.4E+08	2.4E+08	*	4.888E-40	1.105E-39	-0.15264	chr2_239728601_239728	sig	hypo
chr2	2.4E+08	2.4E+08	*	1.465E-42	3.457E-42	-0.15542	chr2_239728801_239729	sig	hypo
chr2	2.4E+08	2.4E+08	*	2.916E-17	4.025E-17	-0.11184	chr2_239736801_239737	sig	hypo
chr2	2.4E+08	2.4E+08	*	1.331E-21	2.063E-21	-0.15523	chr2_239776401_239776	sig	hypo
chr2	2.4E+08	2.4E+08	*	3.956E-22	6.206E-22	-0.13238	chr2_240032801_240033	sig	hypo
chr2	2.4E+08	2.4E+08	*	5.232E-28	9.395E-28	-0.13262	chr2_240136801_240137	sig	hypo
chr2	2.4E+08	2.4E+08	*	8.172E-44	1.969E-43	-0.14655	chr2_240137001_240137	sig	hypo
chr2	2.4E+08	2.4E+08	*	9.441E-63	3.061E-62	-0.23759	chr2_240144401_240144	sig	hypo
chr2	2.4E+08	2.4E+08	*	4.131E-36	8.709E-36	-0.21596	chr2_240145601_240145	sig	hypo
chr2	2.4E+08	2.4E+08	*	5.143E-11	5.808E-11	-0.10427	chr2_240159001_240159	sig	hypo
chr2	2.4E+08	2.4E+08	*	1.311E-47	3.367E-47	-0.16496	chr2_240290801_240291	sig	hypo
chr2	2.4E+08	2.4E+08	*	2.424E-26	4.208E-26	-0.16181	chr2_240323801_240324	sig	hypo
chr2	2.4E+08	2.4E+08	*	1.605E-83	6.998E-83	-0.23197	chr2_240324601_240324	sig	hypo
chr2	2.4E+08	2.4E+08	*	4.24E-25	7.143E-25	-0.12222	chr2_240324801_240325	sig	hypo
chr2	2.4E+08	2.4E+08	*	1.69E-52	4.68E-52	0.241132	chr2_240351201_240351	sig	hyper
chr2	2.4E+08	2.4E+08	*	3.639E-46	9.106E-46	-0.1582	chr2_240405201_240405	sig	hypo

chr2	2.4E+08	2.4E+08	*	1.55E-218	4.14E-217	0.316222	chr2_240519401_240519(	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.576E-35	3.291E-35	0.136489	chr2_240558201_240558-	sig	hyper
chr2	2.4E+08	2.4E+08	*	4.05E-120	2.87E-119	-0.26807	chr2_240565601_240565(	sig	hypo
chr2	2.4E+08	2.4E+08	*	3.448E-27	6.097E-27	0.159797	chr2_240629001_240629:	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.28E-104	7.36E-104	-0.22241	chr2_240646401_240646(	sig	hypo
chr2	2.4E+08	2.4E+08	*	6.197E-55	1.786E-54	0.16459	chr2_240672401_240672(	sig	hyper
chr2	2.4E+08	2.4E+08	*	2.06E-159	2.47E-158	0.309196	chr2_240672601_240672(	sig	hyper
chr2	2.4E+08	2.4E+08	*	8.8E-30	1.638E-29	-0.13143	chr2_240701801_240702(	sig	hypo
chr2	2.4E+08	2.4E+08	*	8.335E-22	1.298E-21	-0.14806	chr2_240704801_240705(	sig	hypo
chr2	2.4E+08	2.4E+08	*	4.434E-67	1.532E-66	-0.17061	chr2_240728001_240728:	sig	hypo
chr2	2.4E+08	2.4E+08	*	1.634E-30	3.087E-30	-0.15049	chr2_240782601_240782(	sig	hypo
chr2	2.4E+08	2.4E+08	*	1.834E-38	4.038E-38	-0.1315	chr2_240784001_240784:	sig	hypo
chr2	2.4E+08	2.4E+08	*	4.175E-60	1.303E-59	0.222751	chr2_240818801_240819(	sig	hyper
chr2	2.4E+08	2.4E+08	*	7.701E-59	2.357E-58	0.1941	chr2_240819001_240819:	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.17E-31	2.261E-31	0.126453	chr2_240831601_240831(	sig	hyper
chr2	2.4E+08	2.4E+08	*	2.96E-112	1.9E-111	0.274264	chr2_240831801_240832(	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.422E-23	2.312E-23	-0.11851	chr2_240893401_240893(	sig	hypo
chr2	2.4E+08	2.4E+08	*	2.427E-25	4.112E-25	-0.14663	chr2_240897001_240897:	sig	hypo
chr2	2.4E+08	2.4E+08	*	4.935E-54	1.404E-53	-0.18318	chr2_240918801_240919(	sig	hypo
chr2	2.4E+08	2.4E+08	*	5.18E-107	3.1E-106	-0.29071	chr2_240921401_240921(	sig	hypo
chr2	2.4E+08	2.4E+08	*	2.96E-24	4.89E-24	-0.16444	chr2_240982601_240982(	sig	hypo
chr2	2.4E+08	2.4E+08	*	8.486E-22	1.322E-21	0.166939	chr2_241037201_241037-	sig	hyper
chr2	2.4E+08	2.4E+08	*	0	0	0.390965	chr2_241049801_241050(	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.158E-18	1.665E-18	-0.17044	chr2_241200001_241200:	sig	hypo
chr2	2.4E+08	2.4E+08	*	5.075E-47	1.291E-46	-0.17481	chr2_241210201_241210-	sig	hypo
chr2	2.4E+08	2.4E+08	*	7.249E-47	1.839E-46	0.220278	chr2_241507201_241507-	sig	hyper
chr2	2.4E+08	2.4E+08	*	2.082E-42	4.899E-42	0.116801	chr2_241509201_241509-	sig	hyper
chr2	2.4E+08	2.4E+08	*	8.883E-71	3.233E-70	-0.24164	chr2_241552401_241552(	sig	hypo
chr2	2.4E+08	2.4E+08	*	8.166E-31	1.552E-30	-0.17585	chr2_241552801_241553(	sig	hypo
chr2	2.4E+08	2.4E+08	*	6.374E-38	1.391E-37	0.126405	chr2_241645801_241646(	sig	hyper
chr2	2.4E+08	2.4E+08	*	9.07E-106	5.32E-105	0.238495	chr2_241659401_241659(	sig	hyper
chr2	2.4E+08	2.4E+08	*	6.701E-82	2.855E-81	0.160206	chr2_241666601_241666(	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.132E-22	1.801E-22	0.126599	chr2_241666801_241667(	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.309E-18	1.878E-18	-0.11471	chr2_241763001_241763:	sig	hypo
chr2	2.4E+08	2.4E+08	*	3.53E-159	4.21E-158	0.237595	chr2_241771401_241771(	sig	hyper
chr2	2.4E+08	2.4E+08	*	6.718E-32	1.304E-31	-0.14273	chr2_241776001_241776:	sig	hypo
chr2	2.4E+08	2.4E+08	*	3.615E-40	8.199E-40	0.14612	chr2_241803401_241803(	sig	hyper
chr2	2.4E+08	2.4E+08	*	2.561E-22	4.036E-22	0.131948	chr2_241803801_241804(	sig	hyper
chr2	2.4E+08	2.4E+08	*	2.77E-178	4.31E-177	0.23125	chr2_241804001_241804:	sig	hyper
chr2	2.4E+08	2.4E+08	*	5.119E-71	1.87E-70	0.284119	chr2_241804201_241804-	sig	hyper
chr2	2.4E+08	2.4E+08	*	3.726E-23	6.005E-23	0.158778	chr2_241809401_241809(	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.634E-37	3.544E-37	-0.20396	chr2_241818201_241818-	sig	hypo
chr2	2.4E+08	2.4E+08	*	1.261E-51	3.444E-51	-0.17351	chr2_241834201_241834-	sig	hypo
chr2	2.4E+08	2.4E+08	*	2.51E-202	5.46E-201	-0.23784	chr2_241843001_241843:	sig	hypo
chr2	2.4E+08	2.4E+08	*	2.619E-52	7.224E-52	-0.21647	chr2_241843201_241843-	sig	hypo
chr2	2.4E+08	2.4E+08	*	1.34E-295	9.42E-294	-0.34203	chr2_241852601_241852(	sig	hypo
chr2	2.4E+08	2.4E+08	*	1.39E-121	1E-120	-0.23585	chr2_241852801_241853(	sig	hypo
chr2	2.4E+08	2.4E+08	*	4.939E-38	1.08E-37	-0.12098	chr2_241855601_241855(	sig	hypo
chr2	2.4E+08	2.4E+08	*	9.962E-74	3.772E-73	-0.16374	chr2_241857201_241857-	sig	hypo
chr2	2.4E+08	2.4E+08	*	7.209E-43	1.71E-42	0.123871	chr2_241863601_241863(	sig	hyper
chr2	2.4E+08	2.4E+08	*	3.102E-19	4.526E-19	-0.12372	chr2_241872601_241872(	sig	hypo
chr2	2.4E+08	2.4E+08	*	1.057E-34	2.173E-34	0.141113	chr2_241878401_241878(	sig	hyper
chr2	2.4E+08	2.4E+08	*	1.666E-28	3.023E-28	-0.1484	chr2_241891401_241891(	sig	hypo
chr2	2.4E+08	2.4E+08	*	4.458E-63	1.454E-62	-0.1534	chr2_241897401_241897(	sig	hypo
chr2	2.4E+08	2.4E+08	*	2.744E-35	5.704E-35	-0.15218	chr2_241900801_241901(	sig	hypo
chr2	2.4E+08	2.4E+08	*	2.574E-21	3.958E-21	-0.11235	chr2_241901201_241901-	sig	hypo

chr2	2.4E+08	2.4E+08	*	3.794E-31	7.259E-31	0.128365	chr2_241901801_241902(	sig	hyper
chr2	2.4E+08	2.4E+08	*	4.421E-59	1.358E-58	0.129168	chr2_241902601_241902{	sig	hyper
chr2	2.4E+08	2.4E+08	*	8.877E-76	3.47E-75	-0.20488	chr2_241926801_241927(	sig	hypo
chr2	2.4E+08	2.4E+08	*	1.43E-31	2.757E-31	-0.11447	chr2_241927001_241927:	sig	hypo
chr2	2.4E+08	2.4E+08	*	2.669E-19	3.9E-19	-0.10334	chr2_241945601_241945{	sig	hypo
chr2	2.4E+08	2.4E+08	*	4.051E-41	9.325E-41	-0.13172	chr2_241946601_241946{	sig	hypo
chr2	2.4E+08	2.4E+08	*	1.88E-138	1.69E-137	-0.38917	chr2_241985601_241985{	sig	hypo
chr2	2.4E+08	2.4E+08	*	3.61E-115	2.42E-114	-0.35704	chr2_241985801_241986(	sig	hypo
chr2	2.4E+08	2.4E+08	*	4.248E-32	8.281E-32	-0.10192	chr2_241991401_241991{	sig	hypo
chr2	2.4E+08	2.4E+08	*	3.897E-24	6.423E-24	-0.12389	chr2_242004601_242004{	sig	hypo
chr2	2.4E+08	2.4E+08	*	1.854E-79	7.646E-79	-0.26139	chr2_242011201_242011<	sig	hypo
chr2	2.4E+08	2.4E+08	*	3.678E-77	1.467E-76	-0.20778	chr2_242011601_242011{	sig	hypo
chr2	2.4E+08	2.4E+08	*	3.78E-145	3.74E-144	-0.23205	chr2_242012001_242012:	sig	hypo
chr2	2.4E+08	2.4E+08	*	6.411E-38	1.399E-37	-0.19391	chr2_242012201_242012<	sig	hypo
chr2	2.4E+08	2.4E+08	*	6.42E-105	3.72E-104	-0.30795	chr2_242031601_242031{	sig	hypo
chr2	2.4E+08	2.4E+08	*	1.301E-42	3.075E-42	-0.14133	chr2_242035201_242035<	sig	hypo
chr2	2.4E+08	2.4E+08	*	5.055E-26	8.714E-26	-0.10829	chr2_242035401_242035(	sig	hypo
chr2	2.4E+08	2.4E+08	*	6.15E-35	1.27E-34	0.166704	chr2_242046401_242046(	sig	hyper
chr2	2.4E+08	2.4E+08	*	4.071E-32	7.94E-32	0.18976	chr2_242047601_242047{	sig	hyper
chr3	196401	196600	*	6.932E-67	2.387E-66	0.268294	chr3_196401_196600	sig	hyper
chr3	198401	198600	*	7.32E-189	1.32E-187	0.367479	chr3_198401_198600	sig	hyper
chr3	309001	309200	*	1.552E-39	3.479E-39	0.115932	chr3_309001_309200	sig	hyper
chr3	535801	536000	*	3.621E-31	6.93E-31	0.129185	chr3_535801_536000	sig	hyper
chr3	2098201	2098400	*	4.517E-68	1.581E-67	0.129472	chr3_2098201_2098400	sig	hyper
chr3	2099201	2099400	*	1.126E-79	4.657E-79	0.212046	chr3_2099201_2099400	sig	hyper
chr3	2099601	2099800	*	2.833E-48	7.354E-48	0.13263	chr3_2099601_2099800	sig	hyper
chr3	3798601	3798800	*	9.387E-44	2.259E-43	0.150741	chr3_3798601_3798800	sig	hyper
chr3	3798801	3799000	*	5.406E-45	1.327E-44	0.129635	chr3_3798801_3799000	sig	hyper
chr3	3800401	3800600	*	4.117E-89	1.942E-88	0.164322	chr3_3800401_3800600	sig	hyper
chr3	4977001	4977200	*	3.01E-192	5.68E-191	-0.28405	chr3_4977001_4977200	sig	hypo
chr3	4983001	4983200	*	1.079E-38	2.385E-38	-0.1056	chr3_4983001_4983200	sig	hypo
chr3	4983201	4983400	*	4.533E-21	6.93E-21	-0.10726	chr3_4983201_4983400	sig	hypo
chr3	5023401	5023600	*	4.564E-95	2.335E-94	-0.293	chr3_5023401_5023600	sig	hypo
chr3	5095801	5096000	*	7.77E-243	2.86E-241	0.310398	chr3_5095801_5096000	sig	hyper
chr3	6861401	6861600	*	2.267E-94	1.148E-93	0.255468	chr3_6861401_6861600	sig	hyper
chr3	6862401	6862600	*	0	0	0.324525	chr3_6862401_6862600	sig	hyper
chr3	6862801	6863000	*	3.53E-106	2.08E-105	0.331467	chr3_6862801_6863000	sig	hyper
chr3	8767601	8767800	*	7.221E-36	1.514E-35	0.135684	chr3_8767601_8767800	sig	hyper
chr3	8769201	8769400	*	8.616E-51	2.323E-50	0.136084	chr3_8769201_8769400	sig	hyper
chr3	8983801	8984000	*	3.793E-17	5.219E-17	-0.13009	chr3_8983801_8984000	sig	hypo
chr3	9136001	9136200	*	9.623E-37	2.056E-36	0.232091	chr3_9136001_9136200	sig	hyper
chr3	9395201	9395400	*	7.388E-13	8.93E-13	0.121091	chr3_9395201_9395400	sig	hyper
chr3	9509001	9509200	*	1.483E-53	4.185E-53	0.189096	chr3_9509001_9509200	sig	hyper
chr3	9552401	9552600	*	7.81E-176	1.18E-174	0.268139	chr3_9552401_9552600	sig	hyper
chr3	9952001	9952200	*	1.263E-41	2.938E-41	0.135154	chr3_9952001_9952200	sig	hyper
chr3	9955401	9955600	*	2.125E-31	4.084E-31	0.170874	chr3_9955401_9955600	sig	hyper
chr3	1E+07	1E+07	*	2.033E-92	9.973E-92	0.18893	chr3_10108201_1010840(	sig	hyper
chr3	1E+07	1E+07	*	1.544E-30	2.919E-30	-0.13759	chr3_10141201_1014140(	sig	hypo
chr3	1E+07	1E+07	*	1.22E-185	2.1E-184	-0.3865	chr3_10142801_1014300(	sig	hypo
chr3	1E+07	1E+07	*	2.846E-60	8.906E-60	0.155359	chr3_10328801_1032900(	sig	hyper
chr3	1E+07	1E+07	*	2.214E-33	4.432E-33	-0.19178	chr3_10329801_1033000(	sig	hypo
chr3	1E+07	1E+07	*	4.957E-32	9.65E-32	-0.18711	chr3_10332601_1033280(	sig	hypo
chr3	1.1E+07	1.1E+07	*	1.57E-191	2.93E-190	0.36109	chr3_10816001_1081620(	sig	hyper
chr3	1.1E+07	1.1E+07	*	4.19E-124	3.14E-123	0.308401	chr3_10816601_1081680(	sig	hyper
chr3	1.1E+07	1.1E+07	*	2.23E-246	8.59E-245	0.299025	chr3_10993201_1099340(	sig	hyper
chr3	1.1E+07	1.1E+07	*	9.237E-79	3.769E-78	0.225643	chr3_10993401_1099360(	sig	hyper

chr3	1.1E+07	1.1E+07	*	1.386E-34	2.844E-34	-0.16957	chr3_10994801_1099500(	sig	hypo
chr3	1.1E+07	1.1E+07	*	1.308E-67	4.552E-67	-0.12307	chr3_11017201_1101740(	sig	hypo
chr3	1.1E+07	1.1E+07	*	1.367E-18	1.96E-18	-0.11763	chr3_11037401_1103760(	sig	hypo
chr3	1.2E+07	1.2E+07	*	1.496E-19	2.2E-19	0.112987	chr3_11558001_1155820(	sig	hyper
chr3	1.2E+07	1.2E+07	*	2E-290	1.32E-288	0.299212	chr3_11568601_1156880(	sig	hyper
chr3	1.3E+07	1.3E+07	*	8.842E-45	2.165E-44	-0.10317	chr3_12815201_1281540(	sig	hypo
chr3	1.3E+07	1.3E+07	*	1.969E-18	2.811E-18	0.13985	chr3_12944401_1294460(	sig	hyper
chr3	1.3E+07	1.3E+07	*	4.862E-49	1.279E-48	-0.18278	chr3_12987001_1298720(	sig	hypo
chr3	1.3E+07	1.3E+07	*	3.881E-58	1.174E-57	0.234998	chr3_13019201_1301940(	sig	hyper
chr3	1.3E+07	1.3E+07	*	6.96E-217	1.83E-215	0.312555	chr3_13019401_1301960(	sig	hyper
chr3	1.3E+07	1.3E+07	*	2.983E-23	4.818E-23	-0.15162	chr3_13021601_1302180(	sig	hypo
chr3	1.3E+07	1.3E+07	*	8.872E-72	3.273E-71	-0.26569	chr3_13041201_1304140(	sig	hypo
chr3	1.3E+07	1.3E+07	*	9.782E-34	1.972E-33	-0.14061	chr3_13041401_1304160(	sig	hypo
chr3	1.3E+07	1.3E+07	*	2.255E-40	5.131E-40	-0.12057	chr3_13041601_1304180(	sig	hypo
chr3	1.3E+07	1.3E+07	*	1.201E-37	2.611E-37	-0.10101	chr3_13041801_1304200(	sig	hypo
chr3	1.3E+07	1.3E+07	*	9.152E-15	1.177E-14	-0.12703	chr3_13042201_1304240(	sig	hypo
chr3	1.3E+07	1.3E+07	*	1.296E-35	2.71E-35	0.192382	chr3_13072801_1307300(	sig	hyper
chr3	1.3E+07	1.3E+07	*	9.458E-82	4.018E-81	0.153643	chr3_13073601_1307380(	sig	hyper
chr3	1.3E+07	1.3E+07	*	9.586E-25	1.605E-24	0.190788	chr3_13204601_1320480(	sig	hyper
chr3	1.3E+07	1.3E+07	*	9.803E-57	2.909E-56	0.21691	chr3_13282001_1328220(	sig	hyper
chr3	1.3E+07	1.3E+07	*	2.571E-74	9.828E-74	0.222529	chr3_13283201_1328340(	sig	hyper
chr3	1.4E+07	1.4E+07	*	2.444E-22	3.856E-22	-0.12253	chr3_13553401_1355360(	sig	hypo
chr3	1.4E+07	1.4E+07	*	1.784E-22	2.824E-22	-0.11151	chr3_13570601_1357080(	sig	hypo
chr3	1.4E+07	1.4E+07	*	1.475E-36	3.14E-36	-0.11126	chr3_13621801_1362200(	sig	hypo
chr3	1.4E+07	1.4E+07	*	2.356E-46	5.922E-46	-0.18484	chr3_13622001_1362220(	sig	hypo
chr3	1.4E+07	1.4E+07	*	1.758E-33	3.524E-33	-0.1813	chr3_13623401_1362360(	sig	hypo
chr3	1.4E+07	1.4E+07	*	3.211E-84	1.412E-83	-0.25037	chr3_13637401_1363760(	sig	hypo
chr3	1.4E+07	1.4E+07	*	4.56E-232	1.44E-230	-0.25642	chr3_13637601_1363780(	sig	hypo
chr3	1.4E+07	1.4E+07	*	1.85E-241	6.67E-240	-0.34084	chr3_13638001_1363820(	sig	hypo
chr3	1.4E+07	1.4E+07	*	2.553E-33	5.104E-33	0.18561	chr3_13877801_1387800(	sig	hyper
chr3	1.4E+07	1.4E+07	*	2.914E-31	5.586E-31	0.101879	chr3_13880801_1388100(	sig	hyper
chr3	1.4E+07	1.4E+07	*	2.264E-43	5.414E-43	0.189405	chr3_13932601_1393280(	sig	hyper
chr3	1.4E+07	1.4E+07	*	7.46E-117	5.09E-116	0.235488	chr3_13932801_1393300(	sig	hyper
chr3	1.4E+07	1.4E+07	*	6.505E-24	1.066E-23	0.196788	chr3_13933201_1393340(	sig	hyper
chr3	1.4E+07	1.4E+07	*	1.089E-19	1.607E-19	-0.14553	chr3_13934401_1393460(	sig	hypo
chr3	1.4E+07	1.4E+07	*	3.296E-27	5.83E-27	-0.11291	chr3_14029601_1402980(	sig	hypo
chr3	1.4E+07	1.4E+07	*	1.765E-48	4.596E-48	0.176495	chr3_14298001_1429820(	sig	hyper
chr3	1.4E+07	1.4E+07	*	4.058E-66	1.384E-65	-0.16148	chr3_14305801_1430600(	sig	hypo
chr3	1.4E+07	1.4E+07	*	8.949E-60	2.776E-59	-0.21352	chr3_14401801_1440200(	sig	hypo
chr3	1.5E+07	1.5E+07	*	2.411E-19	3.528E-19	-0.12736	chr3_14522801_1452300(	sig	hypo
chr3	1.5E+07	1.5E+07	*	1.89E-156	2.18E-155	-0.28043	chr3_14556001_1455620(	sig	hypo
chr3	1.5E+07	1.5E+07	*	9.93E-130	7.98E-129	-0.29429	chr3_14564201_1456440(	sig	hypo
chr3	1.5E+07	1.5E+07	*	2.27E-162	2.84E-161	0.199395	chr3_14810201_1481040(	sig	hyper
chr3	1.5E+07	1.5E+07	*	7.5E-116	5.08E-115	0.197417	chr3_14810801_1481100(	sig	hyper
chr3	1.5E+07	1.5E+07	*	1.39E-114	9.26E-114	0.2211	chr3_14811201_1481140(	sig	hyper
chr3	1.5E+07	1.5E+07	*	5.205E-11	5.877E-11	0.104569	chr3_14811601_1481180(	sig	hyper
chr3	1.5E+07	1.5E+07	*	5.606E-27	9.866E-27	-0.16227	chr3_14819201_1481940(	sig	hypo
chr3	1.5E+07	1.5E+07	*	1.689E-15	2.222E-15	-0.11633	chr3_14820401_1482060(	sig	hypo
chr3	1.7E+07	1.7E+07	*	1.313E-34	2.695E-34	-0.18661	chr3_16512201_1651240(	sig	hypo
chr3	1.7E+07	1.7E+07	*	2.602E-54	7.433E-54	0.125862	chr3_16513801_1651400(	sig	hyper
chr3	2E+07	2E+07	*	3.784E-64	1.257E-63	-0.21785	chr3_19946001_1994620(	sig	hypo
chr3	2.1E+07	2.1E+07	*	5.097E-63	1.66E-62	-0.1452	chr3_21271801_2127200(	sig	hypo
chr3	2.1E+07	2.1E+07	*	1.077E-48	2.813E-48	-0.13634	chr3_21406001_2140620(	sig	hypo
chr3	2.2E+07	2.2E+07	*	3.495E-25	5.899E-25	0.147667	chr3_22372001_2237220(	sig	hyper
chr3	2.4E+07	2.4E+07	*	3.939E-20	5.886E-20	0.125875	chr3_23743401_2374360(	sig	hyper
chr3	2.4E+07	2.4E+07	*	3.577E-29	6.573E-29	-0.12253	chr3_23811201_2381140(	sig	hypo

chr3	2.5E+07	2.5E+07	*	1.21E-99	6.55E-99	0.167052	chr3_24522001_2452220(	sig	hyper
chr3	2.5E+07	2.5E+07	*	6.128E-38	1.338E-37	0.118868	chr3_25428201_2542840(	sig	hyper
chr3	2.6E+07	2.6E+07	*	2.516E-22	3.968E-22	-0.16995	chr3_25573001_2557320(	sig	hypo
chr3	2.7E+07	2.7E+07	*	1.175E-70	4.268E-70	0.247718	chr3_26622001_2662220(	sig	hyper
chr3	2.7E+07	2.7E+07	*	8.158E-39	1.806E-38	0.141685	chr3_26622201_2662240(	sig	hyper
chr3	2.7E+07	2.7E+07	*	3.317E-98	1.765E-97	0.270407	chr3_26622801_2662300(	sig	hyper
chr3	2.7E+07	2.7E+07	*	3.1E-172	4.45E-171	0.339264	chr3_26623201_2662340(	sig	hyper
chr3	2.7E+07	2.7E+07	*	1.15E-141	1.08E-140	0.309552	chr3_26623601_2662380(	sig	hyper
chr3	2.8E+07	2.8E+07	*	1.2E-46	3.031E-46	0.160737	chr3_27714601_2771480(	sig	hyper
chr3	2.8E+07	2.8E+07	*	3.52E-99	1.89E-98	0.233683	chr3_27720801_2772100(	sig	hyper
chr3	2.8E+07	2.8E+07	*	1.41E-151	1.54E-150	0.275407	chr3_27723201_2772340(	sig	hyper
chr3	2.8E+07	2.8E+07	*	8.36E-169	1.14E-167	0.345423	chr3_27723601_2772380(	sig	hyper
chr3	2.8E+07	2.8E+07	*	2.12E-274	1.15E-272	0.295958	chr3_27723801_2772400(	sig	hyper
chr3	2.8E+07	2.8E+07	*	1.691E-88	7.915E-88	0.368019	chr3_27724401_2772460(	sig	hyper
chr3	2.8E+07	2.8E+07	*	1.759E-97	9.273E-97	0.212654	chr3_27724601_2772480(	sig	hyper
chr3	2.8E+07	2.8E+07	*	6.08E-120	4.31E-119	0.270988	chr3_27728601_2772880(	sig	hyper
chr3	2.8E+07	2.8E+07	*	2.46E-134	2.11E-133	0.233978	chr3_27728801_2772900(	sig	hyper
chr3	2.8E+07	2.8E+07	*	6.19E-172	8.84E-171	0.275169	chr3_27729401_2772960(	sig	hyper
chr3	2.8E+07	2.8E+07	*	2.075E-88	9.694E-88	0.292674	chr3_27729801_2773000(	sig	hyper
chr3	2.8E+07	2.8E+07	*	7.47E-274	4.01E-272	0.264559	chr3_27730201_2773040(	sig	hyper
chr3	2.8E+07	2.8E+07	*	7.66E-107	4.57E-106	0.270149	chr3_27731201_2773140(	sig	hyper
chr3	2.9E+07	2.9E+07	*	5.478E-40	1.238E-39	0.281539	chr3_28575001_2857520(	sig	hyper
chr3	2.9E+07	2.9E+07	*	2.54E-122	1.85E-121	0.293266	chr3_28575201_2857540(	sig	hyper
chr3	3.2E+07	3.2E+07	*	4.631E-55	1.338E-54	-0.10492	chr3_31981801_3198200(	sig	hypo
chr3	3.2E+07	3.2E+07	*	8.681E-43	2.057E-42	-0.18937	chr3_32237601_3223780(	sig	hypo
chr3	3.2E+07	3.2E+07	*	1.4E-108	8.53E-108	-0.13376	chr3_32391401_3239160(	sig	hypo
chr3	3.3E+07	3.3E+07	*	1.21E-210	2.91E-209	0.23448	chr3_32817801_3281800(	sig	hyper
chr3	3.3E+07	3.3E+07	*	1.682E-52	4.659E-52	0.247824	chr3_32819601_3281980(	sig	hyper
chr3	3.3E+07	3.3E+07	*	5.457E-95	2.786E-94	0.256721	chr3_32819801_3282000(	sig	hyper
chr3	3.3E+07	3.3E+07	*	5.688E-20	8.461E-20	0.132151	chr3_32941001_3294120(	sig	hyper
chr3	3.6E+07	3.6E+07	*	2.38E-96	1.238E-95	0.224031	chr3_35640001_3564020(	sig	hyper
chr3	3.6E+07	3.6E+07	*	3.244E-53	9.097E-53	-0.12868	chr3_36453401_3645360(	sig	hypo
chr3	3.7E+07	3.7E+07	*	2.342E-47	5.99E-47	0.279183	chr3_36763801_3676400(	sig	hyper
chr3	3.7E+07	3.7E+07	*	1.046E-21	1.626E-21	0.169557	chr3_36764601_3676480(	sig	hyper
chr3	3.7E+07	3.7E+07	*	1.935E-76	7.634E-76	0.150299	chr3_36945201_3694540(	sig	hyper
chr3	3.7E+07	3.7E+07	*	6.242E-19	9.037E-19	0.125931	chr3_37454001_3745420(	sig	hyper
chr3	3.8E+07	3.8E+07	*	1.032E-53	2.92E-53	0.271153	chr3_37994001_3799420(	sig	hyper
chr3	3.8E+07	3.8E+07	*	1.45E-167	1.94E-166	0.244152	chr3_37994201_3799440(	sig	hyper
chr3	3.8E+07	3.8E+07	*	1.088E-60	3.424E-60	0.241942	chr3_37994401_3799460(	sig	hyper
chr3	3.8E+07	3.8E+07	*	2.565E-38	5.629E-38	0.147884	chr3_38028801_3802900(	sig	hyper
chr3	3.8E+07	3.8E+07	*	2.74E-120	1.95E-119	0.166158	chr3_38030001_3803020(	sig	hyper
chr3	3.9E+07	3.9E+07	*	4.433E-41	1.02E-40	0.18895	chr3_38648801_3864900(	sig	hyper
chr3	4.1E+07	4.1E+07	*	9.299E-48	2.393E-47	0.164655	chr3_40615601_4061580(	sig	hyper
chr3	4.1E+07	4.1E+07	*	5.365E-49	1.409E-48	0.170103	chr3_40615801_4061600(	sig	hyper
chr3	4.2E+07	4.2E+07	*	9.996E-33	1.974E-32	0.220552	chr3_42264801_4226500(	sig	hyper
chr3	4.2E+07	4.2E+07	*	5.303E-92	2.593E-91	0.320933	chr3_42265001_4226520(	sig	hyper
chr3	4.2E+07	4.2E+07	*	1.46E-173	2.15E-172	0.369024	chr3_42265401_4226560(	sig	hyper
chr3	4.3E+07	4.3E+07	*	6.49E-148	6.67E-147	0.277705	chr3_42686201_4268640(	sig	hyper
chr3	4.3E+07	4.3E+07	*	6.47E-20	9.608E-20	-0.11757	chr3_42805601_4280580(	sig	hypo
chr3	4.3E+07	4.3E+07	*	4.157E-20	6.208E-20	0.102278	chr3_42906001_4290620(	sig	hyper
chr3	4.3E+07	4.3E+07	*	7.72E-129	6.13E-128	0.205196	chr3_42936201_4293640(	sig	hyper
chr3	4.3E+07	4.3E+07	*	1.842E-93	9.19E-93	0.222644	chr3_42936401_4293660(	sig	hyper
chr3	4.3E+07	4.3E+07	*	4.48E-32	8.728E-32	0.147497	chr3_42936601_4293680(	sig	hyper
chr3	4.4E+07	4.4E+07	*	9.862E-51	2.656E-50	0.137663	chr3_43894601_4389480(	sig	hyper
chr3	4.4E+07	4.4E+07	*	5.669E-48	1.464E-47	0.173439	chr3_43996001_4399620(	sig	hyper
chr3	4.4E+07	4.4E+07	*	1.26E-117	8.72E-117	0.232987	chr3_43996801_4399700(	sig	hyper

chr3	4.4E+07	4.4E+07	*	1.7E-46	4.283E-46	0.167181	chr3_43997601_4399780(	sig	hyper
chr3	4.4E+07	4.4E+07	*	8.3E-202	1.79E-200	0.241604	chr3_43997801_4399800(	sig	hyper
chr3	4.4E+07	4.4E+07	*	2.06E-114	1.37E-113	0.273954	chr3_43998001_4399820(	sig	hyper
chr3	4.4E+07	4.4E+07	*	1.346E-59	4.166E-59	0.196438	chr3_43998401_4399860(	sig	hyper
chr3	4.4E+07	4.4E+07	*	4.93E-268	2.53E-266	0.284035	chr3_44021801_4402200(	sig	hyper
chr3	4.4E+07	4.4E+07	*	0	0	0.25189	chr3_44022001_4402220(	sig	hyper
chr3	4.4E+07	4.4E+07	*	6.92E-120	4.9E-119	0.214768	chr3_44022201_4402240(	sig	hyper
chr3	4.5E+07	4.5E+07	*	1.04E-154	1.18E-153	0.213276	chr3_44585001_4458520(	sig	hyper
chr3	4.5E+07	4.5E+07	*	8.37E-96	4.324E-95	0.247173	chr3_44585201_4458540(	sig	hyper
chr3	4.5E+07	4.5E+07	*	1.746E-63	5.74E-63	0.117193	chr3_44685601_4468580(	sig	hyper
chr3	4.5E+07	4.5E+07	*	1.493E-40	3.407E-40	-0.16304	chr3_44709601_4470980(	sig	hypo
chr3	4.5E+07	4.5E+07	*	2.98E-193	5.69E-192	0.139436	chr3_44712601_4471280(	sig	hyper
chr3	4.5E+07	4.5E+07	*	1.065E-51	2.913E-51	0.100846	chr3_44712801_4471300(	sig	hyper
chr3	4.5E+07	4.5E+07	*	2.874E-88	1.339E-87	0.193816	chr3_45026201_4502640(	sig	hyper
chr3	4.5E+07	4.5E+07	*	1.29E-127	1.01E-126	0.20668	chr3_45035801_4503600(	sig	hyper
chr3	4.5E+07	4.5E+07	*	2.938E-20	4.404E-20	0.130232	chr3_45036001_4503620(	sig	hyper
chr3	4.5E+07	4.5E+07	*	1.229E-41	2.858E-41	0.140276	chr3_45036201_4503640(	sig	hyper
chr3	4.5E+07	4.5E+07	*	1.244E-25	2.124E-25	-0.10392	chr3_45146601_4514680(	sig	hypo
chr3	4.5E+07	4.5E+07	*	0	0	-0.22226	chr3_45167601_4516780(	sig	hypo
chr3	4.6E+07	4.6E+07	*	4.355E-18	6.153E-18	-0.11919	chr3_45795601_4579580(	sig	hypo
chr3	4.6E+07	4.6E+07	*	4.451E-18	6.288E-18	-0.11538	chr3_46020801_4602100(	sig	hypo
chr3	4.6E+07	4.6E+07	*	3.908E-95	2E-94	0.248865	chr3_46464801_4646500(	sig	hyper
chr3	4.6E+07	4.6E+07	*	5.54E-95	2.828E-94	0.296665	chr3_46465001_4646520(	sig	hyper
chr3	4.7E+07	4.7E+07	*	8.116E-31	1.543E-30	0.1428	chr3_46565801_4656600(	sig	hyper
chr3	4.7E+07	4.7E+07	*	6.988E-92	3.413E-91	0.250018	chr3_46576801_4657700(	sig	hyper
chr3	4.7E+07	4.7E+07	*	4.56E-161	5.6E-160	0.320149	chr3_46577001_4657720(	sig	hyper
chr3	4.7E+07	4.7E+07	*	9.232E-61	2.909E-60	0.103657	chr3_46882401_4688260(	sig	hyper
chr3	4.7E+07	4.7E+07	*	7.578E-79	3.097E-78	0.16192	chr3_46883601_4688380(	sig	hyper
chr3	4.7E+07	4.7E+07	*	9.694E-52	2.653E-51	0.104176	chr3_46898601_4689880(	sig	hyper
chr3	4.7E+07	4.7E+07	*	4.562E-53	1.276E-52	0.193405	chr3_46998801_4699900(	sig	hyper
chr3	4.7E+07	4.7E+07	*	1.53E-76	6.051E-76	0.292735	chr3_47010001_4701020(	sig	hyper
chr3	4.8E+07	4.8E+07	*	5.371E-48	1.388E-47	0.164047	chr3_47579401_4757960(	sig	hyper
chr3	4.8E+07	4.8E+07	*	1.66E-107	1E-106	-0.25215	chr3_48269001_4826920(	sig	hypo
chr3	4.8E+07	4.8E+07	*	1.546E-33	3.103E-33	-0.1395	chr3_48273401_4827360(	sig	hypo
chr3	4.8E+07	4.8E+07	*	3.82E-186	6.61E-185	0.353986	chr3_48425201_4842540(	sig	hyper
chr3	4.9E+07	4.9E+07	*	5.846E-44	1.412E-43	-0.12419	chr3_48593001_4859320(	sig	hypo
chr3	4.9E+07	4.9E+07	*	1.409E-28	2.56E-28	0.110661	chr3_48594401_4859460(	sig	hyper
chr3	4.9E+07	4.9E+07	*	9.56E-131	7.81E-130	0.146653	chr3_48595001_4859520(	sig	hyper
chr3	4.9E+07	4.9E+07	*	7.439E-88	3.446E-87	0.111963	chr3_48595201_4859540(	sig	hyper
chr3	4.9E+07	4.9E+07	*	1.96E-78	7.954E-78	0.275803	chr3_48656001_4865620(	sig	hyper
chr3	4.9E+07	4.9E+07	*	2.87E-139	2.61E-138	0.209625	chr3_48656401_4865660(	sig	hyper
chr3	4.9E+07	4.9E+07	*	4.235E-32	8.256E-32	0.101018	chr3_48657001_4865720(	sig	hyper
chr3	4.9E+07	4.9E+07	*	1.17E-164	1.51E-163	0.221118	chr3_48661601_4866180(	sig	hyper
chr3	4.9E+07	4.9E+07	*	3.22E-163	4.08E-162	0.233836	chr3_48661801_4866200(	sig	hyper
chr3	4.9E+07	4.9E+07	*	8.69E-158	1.02E-156	0.377249	chr3_48662201_4866240(	sig	hyper
chr3	4.9E+07	4.9E+07	*	3.299E-23	5.323E-23	0.139631	chr3_48695201_4869540(	sig	hyper
chr3	4.9E+07	4.9E+07	*	1.339E-20	2.024E-20	0.125107	chr3_49199801_4920000(	sig	hyper
chr3	4.9E+07	4.9E+07	*	7.866E-33	1.556E-32	0.129151	chr3_49276601_4927680(	sig	hyper
chr3	4.9E+07	4.9E+07	*	2.52E-232	7.97E-231	0.25827	chr3_49422401_4942260(	sig	hyper
chr3	5E+07	5E+07	*	3.921E-57	1.171E-56	0.156395	chr3_49555001_4955520(	sig	hyper
chr3	5E+07	5E+07	*	2.65E-179	4.17E-178	0.279209	chr3_49686001_4968620(	sig	hyper
chr3	5E+07	5E+07	*	2.423E-44	5.894E-44	0.181163	chr3_49686201_4968640(	sig	hyper
chr3	5E+07	5E+07	*	3.43E-110	2.14E-109	0.266705	chr3_49718801_4971900(	sig	hyper
chr3	5E+07	5E+07	*	0	0	0.237614	chr3_49719001_4971920(	sig	hyper
chr3	5E+07	5E+07	*	0	0	-0.36846	chr3_49902601_4990280(	sig	hypo
chr3	5E+07	5E+07	*	1.053E-40	2.408E-40	0.127979	chr3_49910401_4991060(	sig	hyper

chr3	5E+07	5E+07	*	1.375E-42	3.248E-42	0.184265	chr3_50193001_5019320(	sig	hyper
chr3	5E+07	5E+07	*	2.674E-25	4.526E-25	0.164751	chr3_50193401_5019360(	sig	hyper
chr3	5E+07	5E+07	*	6.43E-102	3.58E-101	0.197848	chr3_50237801_5023800(	sig	hyper
chr3	5E+07	5E+07	*	1.9E-196	3.8E-195	0.131679	chr3_50238001_5023820(	sig	hyper
chr3	5E+07	5E+07	*	8.716E-59	2.666E-58	0.149938	chr3_50238201_5023840(	sig	hyper
chr3	5E+07	5E+07	*	3.141E-33	6.269E-33	-0.11301	chr3_50275601_5027580(	sig	hypo
chr3	5E+07	5E+07	*	4.934E-18	6.962E-18	-0.16038	chr3_50338201_5033840(	sig	hypo
chr3	5E+07	5E+07	*	4.584E-17	6.294E-17	-0.10856	chr3_50358201_5035840(	sig	hypo
chr3	5E+07	5E+07	*	1.899E-73	7.157E-73	-0.15794	chr3_50365601_5036580(	sig	hypo
chr3	5E+07	5E+07	*	4.562E-56	1.34E-55	-0.21069	chr3_50372401_5037260(	sig	hypo
chr3	5.1E+07	5.1E+07	*	2.094E-32	4.108E-32	-0.17466	chr3_50533201_5053340(	sig	hypo
chr3	5.2E+07	5.2E+07	*	6.69E-128	5.27E-127	0.189192	chr3_51707201_5170740(	sig	hyper
chr3	5.2E+07	5.2E+07	*	3.114E-28	5.616E-28	-0.17241	chr3_51713201_5171340(	sig	hypo
chr3	5.2E+07	5.2E+07	*	1.13E-172	1.63E-171	0.221137	chr3_51955601_5195580(	sig	hyper
chr3	5.2E+07	5.2E+07	*	1.19E-144	1.17E-143	-0.31682	chr3_51984001_5198420(	sig	hypo
chr3	5.2E+07	5.2E+07	*	2.512E-17	3.474E-17	0.122302	chr3_51990601_5199080(	sig	hyper
chr3	5.2E+07	5.2E+07	*	9.77E-64	3.225E-63	0.107324	chr3_52245401_5224560(	sig	hyper
chr3	5.2E+07	5.2E+07	*	5.354E-60	1.667E-59	0.146327	chr3_52317201_5231740(	sig	hyper
chr3	5.2E+07	5.2E+07	*	1.513E-26	2.639E-26	0.165999	chr3_52317801_5231800(	sig	hyper
chr3	5.2E+07	5.2E+07	*	7.798E-46	1.94E-45	0.315651	chr3_52373201_5237340(	sig	hyper
chr3	5.3E+07	5.3E+07	*	9.979E-28	1.783E-27	0.163792	chr3_52534201_5253440(	sig	hyper
chr3	5.3E+07	5.3E+07	*	5.393E-47	1.372E-46	-0.17589	chr3_52779801_5278000(	sig	hypo
chr3	5.3E+07	5.3E+07	*	1.534E-49	4.063E-49	-0.10089	chr3_52998601_5299880(	sig	hypo
chr3	5.3E+07	5.3E+07	*	2.631E-69	9.369E-69	-0.11612	chr3_52998801_5299900(	sig	hypo
chr3	5.3E+07	5.3E+07	*	8.84E-62	2.831E-61	-0.20062	chr3_52999001_5299920(	sig	hypo
chr3	5.3E+07	5.3E+07	*	1.397E-27	2.49E-27	0.160687	chr3_53194201_5319440(	sig	hyper
chr3	5.3E+07	5.3E+07	*	5.958E-26	1.025E-25	0.125102	chr3_53496001_5349620(	sig	hyper
chr3	5.4E+07	5.4E+07	*	6.805E-37	1.458E-36	-0.20774	chr3_53844601_5384480(	sig	hypo
chr3	5.4E+07	5.4E+07	*	1.55E-122	1.14E-121	0.176606	chr3_54121601_5412180(	sig	hyper
chr3	5.4E+07	5.4E+07	*	1.835E-91	8.931E-91	0.131554	chr3_54123601_5412380(	sig	hyper
chr3	5.5E+07	5.5E+07	*	2.824E-54	8.062E-54	-0.10452	chr3_54626401_5462660(	sig	hypo
chr3	5.5E+07	5.5E+07	*	1.38E-17	1.923E-17	-0.15598	chr3_55484401_5548460(	sig	hypo
chr3	5.5E+07	5.5E+07	*	1.543E-34	3.161E-34	0.126194	chr3_55488601_5548880(	sig	hyper
chr3	5.5E+07	5.5E+07	*	1.872E-21	2.889E-21	-0.10516	chr3_55489801_5549000(	sig	hypo
chr3	5.5E+07	5.5E+07	*	2.571E-24	4.253E-24	-0.11615	chr3_55490001_5549020(	sig	hypo
chr3	5.7E+07	5.7E+07	*	5.777E-44	1.396E-43	-0.13843	chr3_56683601_5668380(	sig	hypo
chr3	5.7E+07	5.7E+07	*	1.116E-55	3.26E-55	0.165977	chr3_57164201_5716440(	sig	hyper
chr3	5.8E+07	5.8E+07	*	7.72E-143	7.39E-142	-0.26557	chr3_58440001_5844020(	sig	hypo
chr3	5.9E+07	5.9E+07	*	4.073E-65	1.37E-64	0.288605	chr3_58586801_5858700(	sig	hyper
chr3	6.2E+07	6.2E+07	*	5.363E-46	1.337E-45	0.16966	chr3_61564601_6156480(	sig	hyper
chr3	6.2E+07	6.2E+07	*	9.09E-238	3.1E-236	0.283822	chr3_61564801_6156500(	sig	hyper
chr3	6.2E+07	6.2E+07	*	6.257E-20	9.297E-20	0.109164	chr3_62318401_6231860(	sig	hyper
chr3	6.2E+07	6.2E+07	*	1.77E-65	5.982E-65	0.124912	chr3_62318801_6231900(	sig	hyper
chr3	6.2E+07	6.2E+07	*	5.326E-86	2.401E-85	0.22029	chr3_62319201_6231940(	sig	hyper
chr3	6.2E+07	6.2E+07	*	3.1E-129	2.48E-128	0.193046	chr3_62319401_6231960(	sig	hyper
chr3	6.2E+07	6.2E+07	*	2.423E-85	1.082E-84	0.253017	chr3_62368001_6236820(	sig	hyper
chr3	6.2E+07	6.2E+07	*	9.739E-76	3.804E-75	0.274617	chr3_62369601_6236980(	sig	hyper
chr3	6.2E+07	6.2E+07	*	6.213E-70	2.234E-69	0.274384	chr3_62369801_6237000(	sig	hyper
chr3	6.2E+07	6.2E+07	*	0	0	0.340821	chr3_62370601_6237080(	sig	hyper
chr3	6.2E+07	6.2E+07	*	7.458E-92	3.64E-91	0.297805	chr3_62371001_6237120(	sig	hyper
chr3	6.2E+07	6.2E+07	*	4.64E-155	5.26E-154	0.373672	chr3_62371201_6237140(	sig	hyper
chr3	6.2E+07	6.2E+07	*	1.017E-97	5.382E-97	0.312325	chr3_62371401_6237160(	sig	hyper
chr3	6.2E+07	6.2E+07	*	1.955E-55	5.685E-55	0.213467	chr3_62373201_6237340(	sig	hyper
chr3	6.2E+07	6.2E+07	*	6.384E-79	2.612E-78	0.261122	chr3_62373801_6237400(	sig	hyper
chr3	6.2E+07	6.2E+07	*	0	0	0.277798	chr3_62374001_6237420(	sig	hyper
chr3	6.2E+07	6.2E+07	*	2.04E-126	1.57E-125	0.31102	chr3_62374201_6237440(	sig	hyper

chr3	6.2E+07	6.2E+07	*	1.754E-44	4.272E-44	0.193281	chr3_62377001_6237720(	sig	hyper
chr3	6.2E+07	6.2E+07	*	9.41E-155	1.06E-153	0.245987	chr3_62377201_6237740(	sig	hyper
chr3	6.2E+07	6.2E+07	*	2.763E-92	1.353E-91	0.256606	chr3_62377401_6237760(	sig	hyper
chr3	6.2E+07	6.2E+07	*	1.64E-129	1.32E-128	0.256146	chr3_62378201_6237840(	sig	hyper
chr3	6.2E+07	6.2E+07	*	1.23E-79	5.083E-79	0.266975	chr3_62379001_6237920(	sig	hyper
chr3	6.2E+07	6.2E+07	*	6.531E-89	3.073E-88	0.278185	chr3_62379201_6237940(	sig	hyper
chr3	6.3E+07	6.3E+07	*	1.233E-86	5.609E-86	0.243258	chr3_63278001_6327820(	sig	hyper
chr3	6.3E+07	6.3E+07	*	5.73E-113	3.73E-112	0.268116	chr3_63278401_6327860(	sig	hyper
chr3	6.4E+07	6.4E+07	*	9.968E-25	1.667E-24	0.147175	chr3_63913401_6391360(	sig	hyper
chr3	6.4E+07	6.4E+07	*	5.67E-39	1.259E-38	-0.10949	chr3_64022601_6402280(	sig	hypo
chr3	6.4E+07	6.4E+07	*	2.91E-77	1.162E-76	0.233441	chr3_64267801_6426800(	sig	hyper
chr3	6.4E+07	6.4E+07	*	3.87E-109	2.38E-108	0.28872	chr3_64268001_6426820(	sig	hyper
chr3	6.4E+07	6.4E+07	*	1.762E-24	2.928E-24	0.187978	chr3_64444001_6444420(	sig	hyper
chr3	6.4E+07	6.4E+07	*	8.167E-25	1.368E-24	0.116337	chr3_64444801_6444500(	sig	hyper
chr3	6.5E+07	6.5E+07	*	2.934E-94	1.483E-93	0.184021	chr3_64684801_6468500(	sig	hyper
chr3	6.7E+07	6.7E+07	*	7.338E-18	1.031E-17	0.108748	chr3_66798201_6679840(	sig	hyper
chr3	6.8E+07	6.8E+07	*	4.054E-26	7.004E-26	-0.11335	chr3_67656001_6765620(	sig	hypo
chr3	6.8E+07	6.8E+07	*	1.313E-81	5.568E-81	0.315086	chr3_68007601_6800780(	sig	hyper
chr3	6.8E+07	6.8E+07	*	1.63E-118	1.13E-117	0.256238	chr3_68007801_6800800(	sig	hyper
chr3	6.9E+07	6.9E+07	*	1.714E-18	2.452E-18	-0.1043	chr3_68785601_6878580(	sig	hypo
chr3	6.9E+07	6.9E+07	*	3.931E-41	9.051E-41	0.213322	chr3_68931201_6893140(	sig	hyper
chr3	6.9E+07	6.9E+07	*	7.76E-154	8.66E-153	0.265987	chr3_68932801_6893300(	sig	hyper
chr3	6.9E+07	6.9E+07	*	1.186E-20	1.796E-20	0.130351	chr3_69012401_6901260(	sig	hyper
chr3	6.9E+07	6.9E+07	*	5.95E-147	6.04E-146	0.290221	chr3_69012601_6901280(	sig	hyper
chr3	7.2E+07	7.2E+07	*	3.378E-16	4.522E-16	0.122467	chr3_71753201_7175340(	sig	hyper
chr3	7.2E+07	7.2E+07	*	3.699E-17	5.093E-17	0.150917	chr3_71754801_7175500(	sig	hyper
chr3	7.3E+07	7.3E+07	*	8.853E-37	1.893E-36	0.145915	chr3_72655201_7265540(	sig	hyper
chr3	7.3E+07	7.3E+07	*	2.568E-29	4.733E-29	0.150043	chr3_72655401_7265560(	sig	hyper
chr3	7.3E+07	7.3E+07	*	2.397E-65	8.088E-65	0.111542	chr3_72928801_7292900(	sig	hyper
chr3	7.3E+07	7.3E+07	*	5.994E-70	2.156E-69	0.119346	chr3_72929001_7292920(	sig	hyper
chr3	7.5E+07	7.5E+07	*	4.004E-39	8.917E-39	0.110812	chr3_74613801_7461400(	sig	hyper
chr3	7.5E+07	7.5E+07	*	3.766E-36	7.948E-36	0.102072	chr3_75395601_7539580(	sig	hyper
chr3	7.6E+07	7.6E+07	*	9.59E-161	1.17E-159	0.279537	chr3_75641201_7564140(	sig	hyper
chr3	7.6E+07	7.6E+07	*	2.25E-116	1.53E-115	0.338311	chr3_75655401_7565560(	sig	hyper
chr3	7.6E+07	7.6E+07	*	1.66E-183	2.76E-182	0.345528	chr3_75655801_7565600(	sig	hyper
chr3	7.6E+07	7.6E+07	*	1.903E-25	3.231E-25	0.18316	chr3_75668001_7566820(	sig	hyper
chr3	7.6E+07	7.6E+07	*	2.56E-18	3.64E-18	0.126011	chr3_75668201_7566840(	sig	hyper
chr3	7.6E+07	7.6E+07	*	3.036E-51	8.236E-51	0.122868	chr3_75669801_7567000(	sig	hyper
chr3	7.6E+07	7.6E+07	*	4.41E-116	2.99E-115	0.292222	chr3_75671001_7567120(	sig	hyper
chr3	7.7E+07	7.7E+07	*	1.388E-31	2.677E-31	0.122944	chr3_77040201_7704040(	sig	hyper
chr3	8E+07	8E+07	*	4.767E-45	1.171E-44	-0.15138	chr3_79502401_7950260(	sig	hypo
chr3	8.5E+07	8.5E+07	*	9.81E-229	2.94E-227	0.198811	chr3_84958601_8495880(	sig	hyper
chr3	8.7E+07	8.7E+07	*	1.855E-95	9.538E-95	0.103466	chr3_86990401_8699060(	sig	hyper
chr3	8.7E+07	8.7E+07	*	9.297E-58	2.803E-57	0.199342	chr3_87089201_8708940(	sig	hyper
chr3	8.7E+07	8.7E+07	*	2.686E-40	6.107E-40	0.13188	chr3_87089401_8708960(	sig	hyper
chr3	9.7E+07	9.7E+07	*	5.828E-45	1.43E-44	0.162421	chr3_96777001_9677720(	sig	hyper
chr3	9.7E+07	9.7E+07	*	2.301E-37	4.976E-37	0.105091	chr3_96813801_9681400(	sig	hyper
chr3	9.7E+07	9.7E+07	*	1.543E-48	4.021E-48	0.233578	chr3_96814801_9681500(	sig	hyper
chr3	1E+08	1E+08	*	2.574E-27	4.566E-27	0.165929	chr3_100682401_100682(	sig	hyper
chr3	1E+08	1E+08	*	3E-21	4.607E-21	-0.11097	chr3_101677801_101678(	sig	hypo
chr3	1.1E+08	1.1E+08	*	3.325E-94	1.68E-93	0.1313	chr3_107241001_107241:	sig	hyper
chr3	1.1E+08	1.1E+08	*	7.26E-160	8.78E-159	0.244918	chr3_107429401_107429(	sig	hyper
chr3	1.1E+08	1.1E+08	*	4.24E-101	2.34E-100	0.206719	chr3_111858801_111859(	sig	hyper
chr3	1.1E+08	1.1E+08	*	0	0	0.302218	chr3_113441401_113441(	sig	hyper
chr3	1.1E+08	1.1E+08	*	8.41E-171	1.19E-169	0.213153	chr3_113441601_113441(	sig	hyper
chr3	1.1E+08	1.1E+08	*	6.007E-39	1.333E-38	0.220954	chr3_113623401_113623(	sig	hyper

chr3	1.1E+08	1.1E+08	*	8.296E-80	3.439E-79	-0.20877	chr3_114103601_114103	sig	hypo
chr3	1.1E+08	1.1E+08	*	7.147E-37	1.531E-36	-0.19542	chr3_114239001_114239	sig	hypo
chr3	1.2E+08	1.2E+08	*	1.41E-143	1.36E-142	0.161977	chr3_116445001_116445	sig	hyper
chr3	1.2E+08	1.2E+08	*	7.554E-86	3.397E-85	0.324197	chr3_117997201_117997	sig	hyper
chr3	1.2E+08	1.2E+08	*	5.025E-51	1.359E-50	0.111062	chr3_117997601_117997	sig	hyper
chr3	1.2E+08	1.2E+08	*	2.519E-70	9.108E-70	0.171556	chr3_119703201_119703	sig	hyper
chr3	1.2E+08	1.2E+08	*	7.01E-127	5.46E-126	0.21978	chr3_119703401_119703	sig	hyper
chr3	1.2E+08	1.2E+08	*	1.7E-79	7.016E-79	0.250513	chr3_119810001_119810	sig	hyper
chr3	1.2E+08	1.2E+08	*	1.14E-178	1.79E-177	0.219774	chr3_119810201_119810	sig	hyper
chr3	1.2E+08	1.2E+08	*	6.015E-23	9.643E-23	0.106376	chr3_120284601_120284	sig	hyper
chr3	1.2E+08	1.2E+08	*	2.92E-108	1.77E-107	0.273821	chr3_120285401_120285	sig	hyper
chr3	1.2E+08	1.2E+08	*	2.351E-72	8.732E-72	0.255397	chr3_120450801_120451	sig	hyper
chr3	1.2E+08	1.2E+08	*	3.27E-104	1.88E-103	0.298725	chr3_120451401_120451	sig	hyper
chr3	1.2E+08	1.2E+08	*	3.17E-245	1.21E-243	0.214076	chr3_122183601_122183	sig	hyper
chr3	1.2E+08	1.2E+08	*	1.54E-262	7.15E-261	0.335745	chr3_122184601_122184	sig	hyper
chr3	1.2E+08	1.2E+08	*	1.74E-36	3.701E-36	-0.15892	chr3_122681601_122681	sig	hypo
chr3	1.2E+08	1.2E+08	*	1.396E-34	2.863E-34	0.118853	chr3_122922001_122922	sig	hyper
chr3	1.2E+08	1.2E+08	*	4.899E-36	1.031E-35	0.104011	chr3_123026601_123026	sig	hyper
chr3	1.2E+08	1.2E+08	*	1.629E-36	3.465E-36	0.144284	chr3_123352401_123352	sig	hyper
chr3	1.2E+08	1.2E+08	*	1E-103	5.71E-103	0.367468	chr3_123447601_123447	sig	hyper
chr3	1.2E+08	1.2E+08	*	1.5E-159	1.8E-158	0.30386	chr3_123447801_123448	sig	hyper
chr3	1.2E+08	1.2E+08	*	3.21E-118	2.23E-117	0.343458	chr3_123700801_123701	sig	hyper
chr3	1.2E+08	1.2E+08	*	7.6E-32	1.474E-31	0.10379	chr3_123980201_123980	sig	hyper
chr3	1.3E+08	1.3E+08	*	1.98E-184	3.34E-183	0.263862	chr3_125141801_125142	sig	hyper
chr3	1.3E+08	1.3E+08	*	1.2E-222	3.36E-221	0.251473	chr3_125142001_125142	sig	hyper
chr3	1.3E+08	1.3E+08	*	2.49E-174	3.69E-173	0.450611	chr3_125357001_125357	sig	hyper
chr3	1.3E+08	1.3E+08	*	9.44E-175	1.4E-173	0.357245	chr3_125357601_125357	sig	hyper
chr3	1.3E+08	1.3E+08	*	6.16E-153	6.82E-152	-0.28226	chr3_125698401_125698	sig	hypo
chr3	1.3E+08	1.3E+08	*	3.884E-26	6.713E-26	-0.1013	chr3_125720801_125721	sig	hypo
chr3	1.3E+08	1.3E+08	*	2.205E-42	5.186E-42	-0.20038	chr3_125756001_125756	sig	hypo
chr3	1.3E+08	1.3E+08	*	2.225E-47	5.695E-47	-0.23445	chr3_125756201_125756	sig	hypo
chr3	1.3E+08	1.3E+08	*	4.52E-150	4.84E-149	0.213478	chr3_125972001_125972	sig	hyper
chr3	1.3E+08	1.3E+08	*	2.976E-33	5.942E-33	0.107717	chr3_125990601_125990	sig	hyper
chr3	1.3E+08	1.3E+08	*	1.334E-64	4.456E-64	0.158455	chr3_125990801_125991	sig	hyper
chr3	1.3E+08	1.3E+08	*	2.831E-22	4.456E-22	0.112265	chr3_126180401_126180	sig	hyper
chr3	1.3E+08	1.3E+08	*	1.229E-44	3.002E-44	0.199614	chr3_126267801_126268	sig	hyper
chr3	1.3E+08	1.3E+08	*	3.09E-41	7.13E-41	-0.12078	chr3_126288401_126288	sig	hypo
chr3	1.3E+08	1.3E+08	*	1.368E-37	2.971E-37	0.109457	chr3_126358001_126358	sig	hyper
chr3	1.3E+08	1.3E+08	*	6.919E-32	1.343E-31	0.160923	chr3_126394601_126394	sig	hyper
chr3	1.3E+08	1.3E+08	*	2.631E-54	7.516E-54	0.264924	chr3_126416201_126416	sig	hyper
chr3	1.3E+08	1.3E+08	*	1.172E-33	2.357E-33	0.213801	chr3_126542401_126542	sig	hyper
chr3	1.3E+08	1.3E+08	*	9.72E-30	1.808E-29	0.168894	chr3_126704801_126705	sig	hyper
chr3	1.3E+08	1.3E+08	*	1.784E-74	6.835E-74	0.339096	chr3_128279001_128279	sig	hyper
chr3	1.3E+08	1.3E+08	*	2.403E-31	4.613E-31	0.170989	chr3_128426201_128426	sig	hyper
chr3	1.3E+08	1.3E+08	*	1.47E-207	3.38E-206	0.306929	chr3_128481801_128482	sig	hyper
chr3	1.3E+08	1.3E+08	*	2.146E-88	1.002E-87	0.216912	chr3_128483801_128484	sig	hyper
chr3	1.3E+08	1.3E+08	*	3.04E-120	2.16E-119	0.253345	chr3_128486201_128486	sig	hyper
chr3	1.3E+08	1.3E+08	*	9.9E-122	7.18E-121	0.169905	chr3_128490401_128490	sig	hyper
chr3	1.3E+08	1.3E+08	*	7.919E-82	3.368E-81	0.211164	chr3_128492001_128492	sig	hyper
chr3	1.3E+08	1.3E+08	*	1.51E-129	1.21E-128	0.302025	chr3_128493401_128493	sig	hyper
chr3	1.3E+08	1.3E+08	*	7.2E-126	5.52E-125	0.338853	chr3_128496601_128496	sig	hyper
chr3	1.3E+08	1.3E+08	*	1.19E-162	1.49E-161	0.386383	chr3_128497201_128497	sig	hyper
chr3	1.3E+08	1.3E+08	*	8.022E-58	2.421E-57	-0.20578	chr3_128559601_128559	sig	hypo
chr3	1.3E+08	1.3E+08	*	2.699E-41	6.237E-41	0.212352	chr3_128993201_128993	sig	hyper
chr3	1.3E+08	1.3E+08	*	1.797E-64	5.987E-64	0.205922	chr3_129046401_129046	sig	hyper
chr3	1.3E+08	1.3E+08	*	1.652E-75	6.43E-75	0.160163	chr3_129046601_129046	sig	hyper

chr3	1.3E+08	1.3E+08	*	2.733E-41	6.315E-41	0.166427	chr3_129305801_129306(	sig	hyper
chr3	1.3E+08	1.3E+08	*	1.257E-96	6.56E-96	0.239348	chr3_129605001_129605(	sig	hyper
chr3	1.3E+08	1.3E+08	*	1.37E-279	7.85E-278	0.415271	chr3_129975201_129975(	sig	hyper
chr3	1.3E+08	1.3E+08	*	1.473E-78	5.991E-78	0.312987	chr3_130517601_130517(	sig	hyper
chr3	1.3E+08	1.3E+08	*	2.467E-76	9.715E-76	0.240002	chr3_131527201_131527(	sig	hyper
chr3	1.3E+08	1.3E+08	*	2.459E-47	6.288E-47	0.166961	chr3_133037801_133038(	sig	hyper
chr3	1.3E+08	1.3E+08	*	1.96E-159	2.35E-158	0.263168	chr3_133038001_133038(	sig	hyper
chr3	1.3E+08	1.3E+08	*	5.56E-211	1.35E-209	0.290438	chr3_133038801_133039(	sig	hyper
chr3	1.3E+08	1.3E+08	*	2.137E-44	5.201E-44	0.162354	chr3_133039001_133039(	sig	hyper
chr3	1.3E+08	1.3E+08	*	2.52E-118	1.75E-117	-0.28827	chr3_133410601_133410(	sig	hypo
chr3	1.3E+08	1.3E+08	*	1.219E-44	2.978E-44	0.175082	chr3_133674001_133674(	sig	hyper
chr3	1.3E+08	1.3E+08	*	3.193E-55	9.254E-55	0.224694	chr3_133674201_133674(	sig	hyper
chr3	1.3E+08	1.3E+08	*	3.091E-56	9.11E-56	0.239894	chr3_133674801_133675(	sig	hyper
chr3	1.3E+08	1.3E+08	*	3.116E-31	5.969E-31	0.14589	chr3_133746001_133746(	sig	hyper
chr3	1.3E+08	1.3E+08	*	1.078E-15	1.426E-15	0.126557	chr3_133783601_133783(	sig	hyper
chr3	1.3E+08	1.3E+08	*	3.165E-30	5.943E-30	0.157593	chr3_133784001_133784(	sig	hyper
chr3	1.3E+08	1.3E+08	*	3.789E-28	6.823E-28	0.140682	chr3_133927201_133927(	sig	hyper
chr3	1.3E+08	1.3E+08	*	2.485E-21	3.822E-21	-0.12352	chr3_134312801_134313(	sig	hypo
chr3	1.3E+08	1.3E+08	*	6.128E-31	1.168E-30	0.12604	chr3_134407001_134407(	sig	hyper
chr3	1.3E+08	1.3E+08	*	1.419E-89	6.726E-89	0.25367	chr3_134650601_134650(	sig	hyper
chr3	1.3E+08	1.3E+08	*	2.34E-132	1.95E-131	0.258683	chr3_134651001_134651(	sig	hyper
chr3	1.3E+08	1.3E+08	*	9.06E-192	1.7E-190	0.204681	chr3_134651201_134651(	sig	hyper
chr3	1.4E+08	1.4E+08	*	5.219E-51	1.411E-50	0.163502	chr3_135965201_135965(	sig	hyper
chr3	1.4E+08	1.4E+08	*	9.875E-30	1.837E-29	0.135565	chr3_136818601_136818(	sig	hyper
chr3	1.4E+08	1.4E+08	*	3.94E-284	2.38E-282	0.373953	chr3_137761201_137761(	sig	hyper
chr3	1.4E+08	1.4E+08	*	2.54E-295	1.77E-293	0.30804	chr3_137761801_137762(	sig	hyper
chr3	1.4E+08	1.4E+08	*	5.45E-50	1.454E-49	0.242437	chr3_137762001_137762(	sig	hyper
chr3	1.4E+08	1.4E+08	*	4.24E-226	1.23E-224	0.25999	chr3_137763001_137763(	sig	hyper
chr3	1.4E+08	1.4E+08	*	2.833E-98	1.509E-97	0.305117	chr3_137763201_137763(	sig	hyper
chr3	1.4E+08	1.4E+08	*	6.632E-67	2.285E-66	0.161681	chr3_137764601_137764(	sig	hyper
chr3	1.4E+08	1.4E+08	*	1.03E-154	1.16E-153	0.222427	chr3_137764801_137765(	sig	hyper
chr3	1.4E+08	1.4E+08	*	6.717E-40	1.515E-39	0.112282	chr3_137765401_137765(	sig	hyper
chr3	1.4E+08	1.4E+08	*	2.319E-51	6.305E-51	0.160322	chr3_137766401_137766(	sig	hyper
chr3	1.4E+08	1.4E+08	*	2.27E-117	1.56E-116	0.211792	chr3_137767201_137767(	sig	hyper
chr3	1.4E+08	1.4E+08	*	6.93E-149	7.26E-148	0.227435	chr3_137769601_137769(	sig	hyper
chr3	1.4E+08	1.4E+08	*	7.34E-174	1.08E-172	0.311887	chr3_137770801_137771(	sig	hyper
chr3	1.4E+08	1.4E+08	*	4.146E-81	1.744E-80	0.224412	chr3_137771601_137771(	sig	hyper
chr3	1.4E+08	1.4E+08	*	3.14E-236	1.05E-234	0.197223	chr3_137771801_137772(	sig	hyper
chr3	1.4E+08	1.4E+08	*	8.985E-36	1.881E-35	-0.16989	chr3_138010401_138010(	sig	hypo
chr3	1.4E+08	1.4E+08	*	1.157E-53	3.268E-53	-0.14042	chr3_138101801_138102(	sig	hypo
chr3	1.4E+08	1.4E+08	*	7.92E-30	1.476E-29	0.191656	chr3_138434001_138434(	sig	hyper
chr3	1.4E+08	1.4E+08	*	7.973E-83	3.442E-82	0.268634	chr3_138435401_138435(	sig	hyper
chr3	1.4E+08	1.4E+08	*	4.64E-246	1.78E-244	0.19066	chr3_138938601_138938(	sig	hyper
chr3	1.4E+08	1.4E+08	*	6.97E-219	1.87E-217	0.233758	chr3_138939401_138939(	sig	hyper
chr3	1.4E+08	1.4E+08	*	1.42E-114	9.44E-114	0.242088	chr3_138939601_138939(	sig	hyper
chr3	1.4E+08	1.4E+08	*	8.988E-70	3.226E-69	0.167428	chr3_138939801_138940(	sig	hyper
chr3	1.4E+08	1.4E+08	*	1.72E-122	1.26E-121	0.214006	chr3_138940001_138940(	sig	hyper
chr3	1.4E+08	1.4E+08	*	6.22E-163	7.84E-162	0.174408	chr3_138950001_138950(	sig	hyper
chr3	1.4E+08	1.4E+08	*	5.698E-54	1.619E-53	0.136329	chr3_138950201_138950(	sig	hyper
chr3	1.4E+08	1.4E+08	*	1.8E-102	1.01E-101	0.227866	chr3_138960601_138960(	sig	hyper
chr3	1.4E+08	1.4E+08	*	7.794E-23	1.245E-22	0.153909	chr3_139006001_139006(	sig	hyper
chr3	1.4E+08	1.4E+08	*	4.931E-20	7.35E-20	0.100394	chr3_139021001_139021(	sig	hyper
chr3	1.4E+08	1.4E+08	*	1.25E-110	7.9E-110	0.202145	chr3_139044801_139045(	sig	hyper
chr3	1.4E+08	1.4E+08	*	7.592E-45	1.86E-44	0.103204	chr3_139045001_139045(	sig	hyper
chr3	1.4E+08	1.4E+08	*	8.362E-51	2.256E-50	0.219093	chr3_139539001_139539(	sig	hyper
chr3	1.4E+08	1.4E+08	*	9.27E-228	2.75E-226	0.218555	chr3_139539801_139540(	sig	hyper

chr3	1.4E+08	1.4E+08	*	1.529E-87	7.041E-87	0.230369	chr3_139540001_139540	sig	hyper
chr3	1.4E+08	1.4E+08	*	4.372E-79	1.793E-78	0.18175	chr3_141050801_141051	sig	hyper
chr3	1.4E+08	1.4E+08	*	1.036E-34	2.13E-34	0.116064	chr3_141051001_141051	sig	hyper
chr3	1.4E+08	1.4E+08	*	5.71E-139	5.18E-138	0.282381	chr3_141052201_141052	sig	hyper
chr3	1.4E+08	1.4E+08	*	3.73E-102	2.08E-101	0.297212	chr3_141052401_141052	sig	hyper
chr3	1.4E+08	1.4E+08	*	7.59E-168	1.02E-166	0.314013	chr3_141095201_141095	sig	hyper
chr3	1.4E+08	1.4E+08	*	7.141E-20	1.059E-19	-0.10114	chr3_141776601_141776	sig	hypo
chr3	1.4E+08	1.4E+08	*	1.638E-21	2.53E-21	-0.11448	chr3_141778001_141778	sig	hypo
chr3	1.4E+08	1.4E+08	*	6.77E-143	6.49E-142	0.250446	chr3_141797601_141797	sig	hyper
chr3	1.4E+08	1.4E+08	*	2.182E-47	5.584E-47	0.107605	chr3_142725001_142725	sig	hyper
chr3	1.4E+08	1.4E+08	*	4.99E-99	2.676E-98	0.370148	chr3_142964201_142964	sig	hyper
chr3	1.4E+08	1.4E+08	*	3.376E-76	1.328E-75	0.288106	chr3_142964401_142964	sig	hyper
chr3	1.4E+08	1.4E+08	*	3.14E-103	1.77E-102	0.141685	chr3_143120001_143120	sig	hyper
chr3	1.4E+08	1.4E+08	*	7.18E-164	9.19E-163	0.236034	chr3_143121201_143121	sig	hyper
chr3	1.4E+08	1.4E+08	*	2.603E-26	4.517E-26	0.187392	chr3_143121401_143121	sig	hyper
chr3	1.4E+08	1.4E+08	*	9.641E-33	1.905E-32	-0.11946	chr3_144749801_144750	sig	hypo
chr3	1.5E+08	1.5E+08	*	8.577E-91	4.137E-90	-0.15778	chr3_147245801_147246	sig	hypo
chr3	1.5E+08	1.5E+08	*	4.837E-54	1.376E-53	0.180656	chr3_147356201_147356	sig	hyper
chr3	1.5E+08	1.5E+08	*	1.982E-28	3.589E-28	0.126149	chr3_147359601_147359	sig	hyper
chr3	1.5E+08	1.5E+08	*	5.951E-69	2.111E-68	0.132143	chr3_147378201_147378	sig	hyper
chr3	1.5E+08	1.5E+08	*	5.35E-140	4.93E-139	0.278254	chr3_147380601_147380	sig	hyper
chr3	1.5E+08	1.5E+08	*	1.91E-145	1.9E-144	0.207532	chr3_147388201_147388	sig	hyper
chr3	1.5E+08	1.5E+08	*	1.5E-188	2.69E-187	0.283648	chr3_147388601_147388	sig	hyper
chr3	1.5E+08	1.5E+08	*	3.9E-181	6.3E-180	0.283713	chr3_147388801_147389	sig	hyper
chr3	1.5E+08	1.5E+08	*	6.094E-32	1.184E-31	0.158552	chr3_147389001_147389	sig	hyper
chr3	1.5E+08	1.5E+08	*	2.59E-226	7.53E-225	0.315546	chr3_147391001_147391	sig	hyper
chr3	1.5E+08	1.5E+08	*	2.102E-74	8.051E-74	0.270244	chr3_147391801_147392	sig	hyper
chr3	1.5E+08	1.5E+08	*	2.85E-173	4.15E-172	0.275411	chr3_147392401_147392	sig	hyper
chr3	1.5E+08	1.5E+08	*	1.631E-39	3.653E-39	0.138272	chr3_147394201_147394	sig	hyper
chr3	1.5E+08	1.5E+08	*	5.9E-40	1.332E-39	0.143771	chr3_147394601_147394	sig	hyper
chr3	1.5E+08	1.5E+08	*	5.28E-110	3.29E-109	0.278569	chr3_147395801_147396	sig	hyper
chr3	1.5E+08	1.5E+08	*	1.07E-141	1.01E-140	0.332749	chr3_147396001_147396	sig	hyper
chr3	1.5E+08	1.5E+08	*	1.231E-93	6.161E-93	0.287123	chr3_147396601_147396	sig	hyper
chr3	1.5E+08	1.5E+08	*	2.337E-95	1.2E-94	0.281459	chr3_147397001_147397	sig	hyper
chr3	1.5E+08	1.5E+08	*	6.55E-219	1.76E-217	0.27348	chr3_147397201_147397	sig	hyper
chr3	1.5E+08	1.5E+08	*	9.848E-43	2.331E-42	0.2254	chr3_147398001_147398	sig	hyper
chr3	1.5E+08	1.5E+08	*	5.288E-32	1.029E-31	0.183033	chr3_147398201_147398	sig	hyper
chr3	1.5E+08	1.5E+08	*	1.006E-58	3.074E-58	0.282938	chr3_147405601_147405	sig	hyper
chr3	1.5E+08	1.5E+08	*	3.333E-66	1.138E-65	0.181912	chr3_147407201_147407	sig	hyper
chr3	1.5E+08	1.5E+08	*	7.49E-150	7.98E-149	0.280936	chr3_147407801_147408	sig	hyper
chr3	1.5E+08	1.5E+08	*	1.33E-201	2.85E-200	0.32378	chr3_147408001_147408	sig	hyper
chr3	1.5E+08	1.5E+08	*	0	0	0.309356	chr3_147409801_147410	sig	hyper
chr3	1.5E+08	1.5E+08	*	1.489E-91	7.253E-91	0.324363	chr3_147410201_147410	sig	hyper
chr3	1.5E+08	1.5E+08	*	1.266E-68	4.466E-68	0.2884	chr3_147410401_147410	sig	hyper
chr3	1.5E+08	1.5E+08	*	2.23E-151	2.43E-150	0.216788	chr3_147410801_147411	sig	hyper
chr3	1.5E+08	1.5E+08	*	3.84E-127	3E-126	0.340691	chr3_147411001_147411	sig	hyper
chr3	1.5E+08	1.5E+08	*	1.24E-172	1.79E-171	0.319287	chr3_147411201_147411	sig	hyper
chr3	1.5E+08	1.5E+08	*	1.13E-160	1.38E-159	0.29493	chr3_147411401_147411	sig	hyper
chr3	1.5E+08	1.5E+08	*	5.96E-184	9.97E-183	0.292656	chr3_147412601_147412	sig	hyper
chr3	1.5E+08	1.5E+08	*	1.251E-54	3.591E-54	0.199656	chr3_147413201_147413	sig	hyper
chr3	1.5E+08	1.5E+08	*	1.04E-196	2.1E-195	0.319437	chr3_147421601_147421	sig	hyper
chr3	1.5E+08	1.5E+08	*	1.248E-67	4.343E-67	0.198234	chr3_147422201_147422	sig	hyper
chr3	1.5E+08	1.5E+08	*	2.09E-275	1.15E-273	0.28994	chr3_147423001_147423	sig	hyper
chr3	1.5E+08	1.5E+08	*	1.57E-64	5.233E-64	0.221036	chr3_147423201_147423	sig	hyper
chr3	1.5E+08	1.5E+08	*	4.53E-160	5.49E-159	0.26075	chr3_147423401_147423	sig	hyper
chr3	1.5E+08	1.5E+08	*	8.044E-42	1.876E-41	0.156336	chr3_147423801_147424	sig	hyper

chr3	1.5E+08	1.5E+08	*	1.214E-63	4.002E-63	0.216931	chr3_147424401_147424	sig	hyper
chr3	1.5E+08	1.5E+08	*	9.85E-117	6.72E-116	0.192897	chr3_148697801_148698	sig	hyper
chr3	1.5E+08	1.5E+08	*	1.484E-33	2.979E-33	-0.16574	chr3_148947001_148947	sig	hypo
chr3	1.5E+08	1.5E+08	*	1.032E-97	5.456E-97	-0.3113	chr3_149377401_149377	sig	hypo
chr3	1.5E+08	1.5E+08	*	0	0	0.310486	chr3_149657001_149657	sig	hyper
chr3	1.5E+08	1.5E+08	*	3.31E-121	2.38E-120	0.255293	chr3_149657201_149657	sig	hyper
chr3	1.5E+08	1.5E+08	*	3.815E-31	7.298E-31	-0.1122	chr3_152152401_152152	sig	hypo
chr3	1.5E+08	1.5E+08	*	3.97E-117	2.73E-116	0.253357	chr3_154122401_154122	sig	hyper
chr3	1.5E+08	1.5E+08	*	5.81E-123	4.28E-122	0.25376	chr3_154122601_154122	sig	hyper
chr3	1.5E+08	1.5E+08	*	1.24E-115	8.36E-115	0.253595	chr3_154122801_154123	sig	hyper
chr3	1.5E+08	1.5E+08	*	8.75E-167	1.16E-165	0.292008	chr3_154428001_154428	sig	hyper
chr3	1.5E+08	1.5E+08	*	4.82E-163	6.09E-162	0.302364	chr3_154428601_154428	sig	hyper
chr3	1.5E+08	1.5E+08	*	0	0	0.314658	chr3_154429001_154429	sig	hyper
chr3	1.6E+08	1.6E+08	*	1.26E-14	1.613E-14	-0.10517	chr3_155071201_155071	sig	hypo
chr3	1.6E+08	1.6E+08	*	3.42E-136	2.99E-135	-0.2299	chr3_155745801_155746	sig	hypo
chr3	1.6E+08	1.6E+08	*	3.697E-69	1.315E-68	0.177104	chr3_156291601_156291	sig	hyper
chr3	1.6E+08	1.6E+08	*	1.42E-108	8.66E-108	-0.20332	chr3_157120201_157120	sig	hypo
chr3	1.6E+08	1.6E+08	*	8.478E-94	4.25E-93	-0.23151	chr3_157120401_157120	sig	hypo
chr3	1.6E+08	1.6E+08	*	2.37E-30	4.46E-30	0.167804	chr3_157436801_157437	sig	hyper
chr3	1.6E+08	1.6E+08	*	1.57E-149	1.66E-148	0.136379	chr3_157437401_157437	sig	hyper
chr3	1.6E+08	1.6E+08	*	2.402E-85	1.073E-84	0.131056	chr3_157437601_157437	sig	hyper
chr3	1.6E+08	1.6E+08	*	1.793E-62	5.797E-62	0.246345	chr3_157542801_157543	sig	hyper
chr3	1.6E+08	1.6E+08	*	1.062E-51	2.905E-51	0.214391	chr3_158094201_158094	sig	hyper
chr3	1.6E+08	1.6E+08	*	4.26E-102	2.38E-101	0.321905	chr3_158094801_158095	sig	hyper
chr3	1.6E+08	1.6E+08	*	2.25E-130	1.83E-129	0.320064	chr3_158095401_158095	sig	hyper
chr3	1.6E+08	1.6E+08	*	2.66E-133	2.25E-132	0.294269	chr3_158102801_158103	sig	hyper
chr3	1.6E+08	1.6E+08	*	1.643E-65	5.56E-65	0.178312	chr3_158103401_158103	sig	hyper
chr3	1.6E+08	1.6E+08	*	8.517E-94	4.269E-93	0.176828	chr3_158103601_158103	sig	hyper
chr3	1.6E+08	1.6E+08	*	2.8E-248	1.1E-246	0.330725	chr3_160039001_160039	sig	hyper
chr3	1.6E+08	1.6E+08	*	6.059E-86	2.729E-85	0.24768	chr3_160039201_160039	sig	hyper
chr3	1.6E+08	1.6E+08	*	3.174E-75	1.231E-74	0.17216	chr3_160226201_160226	sig	hyper
chr3	1.6E+08	1.6E+08	*	2.079E-66	7.118E-66	0.169048	chr3_160757201_160757	sig	hyper
chr3	1.6E+08	1.6E+08	*	5.5E-178	8.49E-177	0.232723	chr3_161104601_161104	sig	hyper
chr3	1.6E+08	1.6E+08	*	8.41E-189	1.52E-187	0.207329	chr3_161104801_161105	sig	hyper
chr3	1.6E+08	1.6E+08	*	4.99E-120	3.54E-119	0.182593	chr3_161105401_161105	sig	hyper
chr3	1.6E+08	1.6E+08	*	2.108E-44	5.131E-44	-0.10965	chr3_164004401_164004	sig	hypo
chr3	1.7E+08	1.7E+08	*	1.14E-210	2.74E-209	0.23312	chr3_165195801_165196	sig	hyper
chr3	1.7E+08	1.7E+08	*	1.806E-61	5.747E-61	0.109001	chr3_165196401_165196	sig	hyper
chr3	1.7E+08	1.7E+08	*	1.549E-43	3.712E-43	-0.1104	chr3_166258601_166258	sig	hypo
chr3	1.7E+08	1.7E+08	*	4.133E-48	1.07E-47	0.213665	chr3_169659801_169660	sig	hyper
chr3	1.7E+08	1.7E+08	*	1.564E-78	6.358E-78	0.211418	chr3_169660001_169660	sig	hyper
chr3	1.7E+08	1.7E+08	*	3.321E-18	4.706E-18	0.172339	chr3_169666401_169666	sig	hyper
chr3	1.7E+08	1.7E+08	*	1.96E-63	6.443E-63	0.199228	chr3_169666601_169666	sig	hyper
chr3	1.7E+08	1.7E+08	*	0	0	-0.53279	chr3_169822201_169822	sig	hypo
chr3	1.7E+08	1.7E+08	*	1.14E-198	2.36E-197	-0.47047	chr3_169822401_169822	sig	hypo
chr3	1.7E+08	1.7E+08	*	0	0	-0.50871	chr3_169822601_169822	sig	hypo
chr3	1.7E+08	1.7E+08	*	3.094E-28	5.581E-28	0.173453	chr3_170040401_170040	sig	hyper
chr3	1.7E+08	1.7E+08	*	1.148E-43	2.757E-43	0.104832	chr3_170418401_170418	sig	hyper
chr3	1.7E+08	1.7E+08	*	1.558E-42	3.675E-42	0.114599	chr3_170419401_170419	sig	hyper
chr3	1.7E+08	1.7E+08	*	7.324E-47	1.858E-46	0.116825	chr3_170419601_170419	sig	hyper
chr3	1.7E+08	1.7E+08	*	8.98E-116	6.08E-115	0.324053	chr3_170585401_170585	sig	hyper
chr3	1.7E+08	1.7E+08	*	2.293E-22	3.62E-22	-0.13508	chr3_171457801_171458	sig	hypo
chr3	1.7E+08	1.7E+08	*	4.629E-53	1.294E-52	0.271548	chr3_172447601_172447	sig	hyper
chr3	1.7E+08	1.7E+08	*	1.24E-115	8.36E-115	0.324433	chr3_172448001_172448	sig	hyper
chr3	1.7E+08	1.7E+08	*	1.42E-293	9.74E-292	0.357044	chr3_172448401_172448	sig	hyper
chr3	1.7E+08	1.7E+08	*	2.21E-172	3.17E-171	0.281245	chr3_172449601_172449	sig	hyper

chr3	1.7E+08	1.7E+08	*	3.93E-149	4.13E-148	0.283641	chr3_172449801_172450(	sig	hyper
chr3	1.7E+08	1.7E+08	*	4.7E-125	3.56E-124	0.302442	chr3_172450001_172450[	sig	hyper
chr3	1.7E+08	1.7E+08	*	2.51E-133	2.13E-132	-0.28801	chr3_173141001_173141[	sig	hypo
chr3	1.7E+08	1.7E+08	*	0	0	0.173804	chr3_173397801_173398(	sig	hyper
chr3	1.7E+08	1.7E+08	*	8.755E-96	4.522E-95	0.206962	chr3_173398001_173398[	sig	hyper
chr3	1.7E+08	1.7E+08	*	2.352E-77	9.411E-77	0.137578	chr3_173398201_173398[	sig	hyper
chr3	1.8E+08	1.8E+08	*	6.47E-108	3.92E-107	0.281797	chr3_180036401_180036(	sig	hyper
chr3	1.8E+08	1.8E+08	*	1.5E-214	3.82E-213	0.257688	chr3_180036601_180036[	sig	hyper
chr3	1.8E+08	1.8E+08	*	9.09E-143	8.69E-142	0.365787	chr3_180037401_180037(	sig	hyper
chr3	1.8E+08	1.8E+08	*	6.24E-105	3.62E-104	-0.18318	chr3_180324801_180325(	sig	hypo
chr3	1.8E+08	1.8E+08	*	6.189E-37	1.327E-36	-0.16352	chr3_180590401_180590(	sig	hypo
chr3	1.8E+08	1.8E+08	*	1.029E-44	2.517E-44	0.125333	chr3_180870201_180870[	sig	hyper
chr3	1.8E+08	1.8E+08	*	2.4E-66	8.207E-66	0.174198	chr3_181696001_181696[	sig	hyper
chr3	1.8E+08	1.8E+08	*	1.151E-86	5.237E-86	0.177178	chr3_181696201_181696[	sig	hyper
chr3	1.8E+08	1.8E+08	*	1.246E-60	3.918E-60	0.181377	chr3_181703601_181703[	sig	hyper
chr3	1.8E+08	1.8E+08	*	4.74E-57	1.414E-56	0.146963	chr3_181703801_181704(	sig	hyper
chr3	1.8E+08	1.8E+08	*	2.336E-43	5.584E-43	0.223766	chr3_181710401_181710(	sig	hyper
chr3	1.8E+08	1.8E+08	*	1.86E-135	1.61E-134	0.109878	chr3_181712601_181712[	sig	hyper
chr3	1.8E+08	1.8E+08	*	1.482E-75	5.774E-75	0.157166	chr3_181713201_181713[	sig	hyper
chr3	1.8E+08	1.8E+08	*	6.117E-97	3.208E-96	0.185885	chr3_181723801_181724(	sig	hyper
chr3	1.8E+08	1.8E+08	*	9.35E-112	5.99E-111	0.259677	chr3_181724001_181724[	sig	hyper
chr3	1.8E+08	1.8E+08	*	3.303E-67	1.143E-66	0.221231	chr3_181724201_181724[	sig	hyper
chr3	1.8E+08	1.8E+08	*	6.006E-77	2.388E-76	0.244377	chr3_181725201_181725[	sig	hyper
chr3	1.8E+08	1.8E+08	*	0	0	0.255292	chr3_181726601_181726[	sig	hyper
chr3	1.8E+08	1.8E+08	*	7.926E-79	3.238E-78	0.182448	chr3_181727001_181727[	sig	hyper
chr3	1.8E+08	1.8E+08	*	8.495E-29	1.55E-28	0.129537	chr3_184262801_184263(	sig	hyper
chr3	1.8E+08	1.8E+08	*	2.07E-121	1.5E-120	0.3065	chr3_184338601_184338[	sig	hyper
chr3	1.8E+08	1.8E+08	*	2.253E-66	7.705E-66	0.230056	chr3_184338801_184339(	sig	hyper
chr3	1.8E+08	1.8E+08	*	2.087E-77	8.353E-77	0.282295	chr3_184379601_184379[	sig	hyper
chr3	1.8E+08	1.8E+08	*	3.428E-20	5.131E-20	-0.10537	chr3_184384601_184384[	sig	hypo
chr3	1.8E+08	1.8E+08	*	6.049E-20	8.991E-20	-0.1013	chr3_184386801_184387(	sig	hypo
chr3	1.8E+08	1.8E+08	*	9.09E-145	8.92E-144	0.358138	chr3_184491401_184491(	sig	hyper
chr3	1.8E+08	1.8E+08	*	1.52E-100	8.32E-100	0.255401	chr3_184491601_184491[	sig	hyper
chr3	1.8E+08	1.8E+08	*	9.82E-247	3.79E-245	0.314293	chr3_184492201_184492[	sig	hyper
chr3	1.8E+08	1.8E+08	*	1.67E-24	2.777E-24	0.123234	chr3_184525801_184526(	sig	hyper
chr3	1.8E+08	1.8E+08	*	4.575E-31	8.739E-31	0.132777	chr3_184572601_184572[	sig	hyper
chr3	1.8E+08	1.8E+08	*	7.67E-169	1.05E-167	0.409104	chr3_184583401_184583(	sig	hyper
chr3	1.8E+08	1.8E+08	*	3.364E-60	1.051E-59	-0.18279	chr3_184769801_184770(	sig	hypo
chr3	1.9E+08	1.9E+08	*	1.482E-34	3.038E-34	0.173521	chr3_186193401_186193(	sig	hyper
chr3	1.9E+08	1.9E+08	*	3.091E-24	5.105E-24	0.151465	chr3_186194001_186194[	sig	hyper
chr3	1.9E+08	1.9E+08	*	5.09E-158	5.98E-157	0.312868	chr3_186361401_186361(	sig	hyper
chr3	1.9E+08	1.9E+08	*	3.818E-45	9.389E-45	0.118101	chr3_186362401_186362(	sig	hyper
chr3	1.9E+08	1.9E+08	*	8.5E-102	4.72E-101	0.137303	chr3_186772801_186773(	sig	hyper
chr3	1.9E+08	1.9E+08	*	2.597E-13	3.191E-13	0.111224	chr3_186825001_186825[	sig	hyper
chr3	1.9E+08	1.9E+08	*	9.48E-187	1.66E-185	0.180044	chr3_187139601_187139[	sig	hyper
chr3	1.9E+08	1.9E+08	*	4.173E-18	5.9E-18	0.127016	chr3_187197401_187197(	sig	hyper
chr3	1.9E+08	1.9E+08	*	4.73E-70	1.704E-69	0.244045	chr3_187669601_187669[	sig	hyper
chr3	1.9E+08	1.9E+08	*	3.51E-104	2.01E-103	0.23304	chr3_187669801_187670(	sig	hyper
chr3	1.9E+08	1.9E+08	*	1.71E-249	6.81E-248	0.307037	chr3_187670201_187670[	sig	hyper
chr3	1.9E+08	1.9E+08	*	4.403E-98	2.34E-97	0.272106	chr3_187670401_187670(	sig	hyper
chr3	1.9E+08	1.9E+08	*	6.769E-42	1.581E-41	-0.13271	chr3_190876801_190877(	sig	hypo
chr3	1.9E+08	1.9E+08	*	1.063E-88	4.992E-88	-0.18541	chr3_190878001_190878[	sig	hypo
chr3	1.9E+08	1.9E+08	*	3.485E-26	6.029E-26	-0.15208	chr3_191952601_191952[	sig	hypo
chr3	1.9E+08	1.9E+08	*	3.3E-178	5.11E-177	0.279064	chr3_192408401_192408(	sig	hyper
chr3	1.9E+08	1.9E+08	*	8.93E-195	1.74E-193	0.279367	chr3_192408801_192409(	sig	hyper
chr3	1.9E+08	1.9E+08	*	6.8E-191	1.26E-189	0.380575	chr3_192514201_192514[	sig	hyper

chr3	1.9E+08	1.9E+08	*	3.5E-105	2.03E-104	0.283706	chr3_192727001_192727	sig	hyper
chr3	1.9E+08	1.9E+08	*	8.331E-60	2.586E-59	0.17449	chr3_193241401_193241	sig	hyper
chr3	1.9E+08	1.9E+08	*	9.787E-93	4.826E-92	-0.19733	chr3_193869801_193870	sig	hypo
chr3	1.9E+08	1.9E+08	*	1.96E-146	1.98E-145	-0.26825	chr3_194376401_194376	sig	hypo
chr3	1.9E+08	1.9E+08	*	4.398E-19	6.393E-19	0.128151	chr3_194397801_194398	sig	hyper
chr3	1.9E+08	1.9E+08	*	1.229E-74	4.719E-74	0.186451	chr3_194398201_194398	sig	hyper
chr3	1.9E+08	1.9E+08	*	7.943E-20	1.176E-19	-0.13302	chr3_194488001_194488	sig	hypo
chr3	1.9E+08	1.9E+08	*	1.795E-38	3.953E-38	-0.18175	chr3_194572401_194572	sig	hypo
chr3	1.9E+08	1.9E+08	*	7.47E-260	3.36E-258	0.1797	chr3_194687001_194687	sig	hyper
chr3	1.9E+08	1.9E+08	*	9.42E-120	6.66E-119	0.16174	chr3_194687201_194687	sig	hyper
chr3	1.9E+08	1.9E+08	*	2.16E-159	2.59E-158	0.251496	chr3_194688001_194688	sig	hyper
chr3	2E+08	2E+08	*	6.278E-56	1.841E-55	0.251098	chr3_195035601_195035	sig	hyper
chr3	2E+08	2E+08	*	5.561E-86	2.506E-85	-0.26178	chr3_195105601_195105	sig	hypo
chr3	2E+08	2E+08	*	1.12E-50	3.013E-50	0.171444	chr3_195133601_195133	sig	hyper
chr3	2E+08	2E+08	*	1.851E-42	4.359E-42	-0.13122	chr3_195148001_195148	sig	hypo
chr3	2E+08	2E+08	*	1.587E-25	2.702E-25	0.104736	chr3_195209401_195209	sig	hyper
chr3	2E+08	2E+08	*	1.409E-17	1.963E-17	0.116091	chr3_195543801_195544	sig	hyper
chr3	2E+08	2E+08	*	2.46E-117	1.69E-116	0.303959	chr3_195803201_195803	sig	hyper
chr3	2E+08	2E+08	*	5.01E-97	2.631E-96	-0.22891	chr3_195804601_195804	sig	hypo
chr3	2E+08	2E+08	*	2.819E-14	3.567E-14	-0.11303	chr3_195825401_195825	sig	hypo
chr3	2E+08	2E+08	*	2.574E-60	8.061E-60	-0.28676	chr3_195849401_195849	sig	hypo
chr3	2E+08	2E+08	*	1.15E-127	9.04E-127	-0.15429	chr3_195851201_195851	sig	hypo
chr3	2E+08	2E+08	*	3.967E-20	5.928E-20	-0.13035	chr3_195851401_195851	sig	hypo
chr3	2E+08	2E+08	*	1.508E-54	4.324E-54	0.18694	chr3_195863001_195863	sig	hyper
chr3	2E+08	2E+08	*	1.142E-17	1.596E-17	-0.14757	chr3_195874001_195874	sig	hypo
chr3	2E+08	2E+08	*	4.466E-15	5.804E-15	0.102321	chr3_195896401_195896	sig	hyper
chr3	2E+08	2E+08	*	2.553E-28	4.611E-28	-0.1328	chr3_195955601_195955	sig	hypo
chr3	2E+08	2E+08	*	2.251E-18	3.208E-18	-0.10097	chr3_196143201_196143	sig	hypo
chr3	2E+08	2E+08	*	1.608E-23	2.612E-23	-0.10221	chr3_196625001_196625	sig	hypo
chr3	2E+08	2E+08	*	6.317E-65	2.119E-64	-0.16625	chr3_196640601_196640	sig	hypo
chr3	2E+08	2E+08	*	1.911E-74	7.322E-74	-0.26572	chr3_196754601_196754	sig	hypo
chr3	2E+08	2E+08	*	2.875E-55	8.336E-55	0.217957	chr3_196948401_196948	sig	hyper
chr3	2E+08	2E+08	*	1.199E-75	4.678E-75	0.309929	chr3_196948601_196948	sig	hyper
chr3	2E+08	2E+08	*	2.45E-130	1.99E-129	0.285261	chr3_196978601_196978	sig	hyper
chr3	2E+08	2E+08	*	7.26E-109	4.45E-108	0.275412	chr3_196978801_196979	sig	hyper
chr3	2E+08	2E+08	*	7.218E-31	1.374E-30	0.136546	chr3_196979001_196979	sig	hyper
chr3	2E+08	2E+08	*	3.939E-37	8.478E-37	-0.10711	chr3_197299401_197299	sig	hypo
chr3	2E+08	2E+08	*	6.235E-41	1.431E-40	0.169659	chr3_197509601_197509	sig	hyper
chr3	2E+08	2E+08	*	1.981E-32	3.889E-32	-0.22025	chr3_197520001_197520	sig	hypo
chr3	2E+08	2E+08	*	1.104E-54	3.171E-54	-0.24643	chr3_197520201_197520	sig	hypo
chr3	2E+08	2E+08	*	3.905E-14	4.926E-14	-0.1286	chr3_197655601_197655	sig	hypo
chr3	2E+08	2E+08	*	8.059E-16	1.07E-15	-0.11963	chr3_197674801_197675	sig	hypo
chr3	2E+08	2E+08	*	1.27E-139	1.16E-138	0.409957	chr3_198081801_198082	sig	hyper
chr4	107201	107400	*	2.879E-27	5.1E-27	0.215038	chr4_107201_107400	sig	hyper
chr4	212401	212600	*	1.206E-69	4.315E-69	0.219948	chr4_212401_212600	sig	hyper
chr4	212601	212800	*	3.2E-139	2.92E-138	0.311408	chr4_212601_212800	sig	hyper
chr4	304801	305000	*	3.45E-166	4.54E-165	0.28657	chr4_304801_305000	sig	hyper
chr4	305001	305200	*	1.72E-170	2.42E-169	0.292362	chr4_305001_305200	sig	hyper
chr4	336201	336400	*	1.562E-35	3.262E-35	0.19661	chr4_336201_336400	sig	hyper
chr4	386601	386800	*	2.5E-100	1.36E-99	0.232309	chr4_386601_386800	sig	hyper
chr4	574401	574600	*	2.969E-41	6.851E-41	0.149994	chr4_574401_574600	sig	hyper
chr4	577201	577400	*	2.285E-85	1.021E-84	0.165728	chr4_577201_577400	sig	hyper
chr4	577801	578000	*	3.034E-74	1.159E-73	0.122741	chr4_577801_578000	sig	hyper
chr4	578601	578800	*	1.281E-22	2.034E-22	0.149792	chr4_578601_578800	sig	hyper
chr4	624601	624800	*	9.694E-43	2.295E-42	-0.15679	chr4_624601_624800	sig	hypo
chr4	637801	638000	*	1E-30	1.897E-30	0.126131	chr4_637801_638000	sig	hyper

chr4	651601	651800	*	3.051E-28	5.504E-28	0.12355	chr4_651601_651800	sig	hyper
chr4	663201	663400	*	4.41E-114	2.92E-113	0.251899	chr4_663201_663400	sig	hyper
chr4	664201	664400	*	5.04E-119	3.53E-118	0.195838	chr4_664201_664400	sig	hyper
chr4	687201	687400	*	8.967E-45	2.195E-44	-0.14	chr4_687201_687400	sig	hypo
chr4	687601	687800	*	2.482E-22	3.915E-22	-0.13278	chr4_687601_687800	sig	hypo
chr4	785001	785200	*	7.29E-54	2.067E-53	0.117239	chr4_785001_785200	sig	hyper
chr4	785401	785600	*	1.859E-44	4.527E-44	0.191169	chr4_785401_785600	sig	hyper
chr4	785601	785800	*	2.69E-156	3.1E-155	0.361582	chr4_785601_785800	sig	hyper
chr4	796001	796200	*	1.832E-15	2.409E-15	0.130324	chr4_796001_796200	sig	hyper
chr4	845801	846000	*	2.436E-39	5.441E-39	0.178277	chr4_845801_846000	sig	hyper
chr4	912001	912200	*	9.408E-64	3.106E-63	-0.1515	chr4_912001_912200	sig	hypo
chr4	912601	912800	*	4.21E-23	6.778E-23	-0.13225	chr4_912601_912800	sig	hypo
chr4	946801	947000	*	1.2E-102	6.73E-102	0.171656	chr4_946801_947000	sig	hyper
chr4	947001	947200	*	1.897E-69	6.77E-69	0.13992	chr4_947001_947200	sig	hyper
chr4	947201	947400	*	3.566E-31	6.825E-31	0.118931	chr4_947201_947400	sig	hyper
chr4	985201	985400	*	6.915E-94	3.469E-93	-0.13489	chr4_985201_985400	sig	hypo
chr4	993201	993400	*	9.594E-59	2.932E-58	-0.25152	chr4_993201_993400	sig	hypo
chr4	1014801	1015000	*	1.611E-22	2.553E-22	0.11358	chr4_1014801_1015000	sig	hyper
chr4	1027401	1027600	*	1.735E-23	2.817E-23	-0.10547	chr4_1027401_1027600	sig	hypo
chr4	1034001	1034200	*	1.045E-69	3.747E-69	0.295564	chr4_1034001_1034200	sig	hyper
chr4	1044001	1044200	*	9.903E-26	1.696E-25	0.120154	chr4_1044001_1044200	sig	hyper
chr4	1047601	1047800	*	7.741E-47	1.963E-46	-0.17337	chr4_1047601_1047800	sig	hypo
chr4	1050801	1051000	*	1.976E-31	3.799E-31	0.120202	chr4_1050801_1051000	sig	hyper
chr4	1056001	1056200	*	4.29E-140	3.96E-139	-0.2038	chr4_1056001_1056200	sig	hypo
chr4	1057001	1057200	*	1.396E-45	3.457E-45	-0.15225	chr4_1057001_1057200	sig	hypo
chr4	1057201	1057400	*	8.755E-14	1.091E-13	-0.10003	chr4_1057201_1057400	sig	hypo
chr4	1058601	1058800	*	3.872E-29	7.114E-29	-0.1877	chr4_1058601_1058800	sig	hypo
chr4	1099801	1100000	*	1.24E-168	1.69E-167	-0.22537	chr4_1099801_1100000	sig	hypo
chr4	1113401	1113600	*	2.44E-38	5.357E-38	0.146922	chr4_1113401_1113600	sig	hyper
chr4	1154601	1154800	*	6.809E-69	2.413E-68	-0.23194	chr4_1154601_1154800	sig	hypo
chr4	1192601	1192800	*	3.828E-22	6.01E-22	0.192894	chr4_1192601_1192800	sig	hyper
chr4	1202001	1202200	*	6.769E-34	1.368E-33	-0.15624	chr4_1202001_1202200	sig	hypo
chr4	1211601	1211800	*	3.326E-57	9.951E-57	0.12605	chr4_1211601_1211800	sig	hyper
chr4	1212001	1212200	*	4.96E-231	1.53E-229	0.311763	chr4_1212001_1212200	sig	hyper
chr4	1233201	1233400	*	7.926E-41	1.816E-40	0.18796	chr4_1233201_1233400	sig	hyper
chr4	1241401	1241600	*	4.93E-23	7.922E-23	-0.10797	chr4_1241401_1241600	sig	hypo
chr4	1241601	1241800	*	1.437E-13	1.78E-13	-0.11068	chr4_1241601_1241800	sig	hypo
chr4	1305601	1305800	*	2.706E-46	6.793E-46	-0.20834	chr4_1305601_1305800	sig	hypo
chr4	1309801	1310000	*	4.65E-153	5.16E-152	0.258934	chr4_1309801_1310000	sig	hyper
chr4	1310001	1310200	*	2.26E-176	3.42E-175	0.384859	chr4_1310001_1310200	sig	hyper
chr4	1339001	1339200	*	1.12E-116	7.66E-116	-0.2353	chr4_1339001_1339200	sig	hypo
chr4	1339201	1339400	*	3.21E-126	2.47E-125	-0.16849	chr4_1339201_1339400	sig	hypo
chr4	1404001	1404200	*	1.712E-77	6.859E-77	0.226059	chr4_1404001_1404200	sig	hyper
chr4	1404201	1404400	*	1.067E-82	4.597E-82	0.307825	chr4_1404201_1404400	sig	hyper
chr4	1405401	1405600	*	8.5E-243	3.13E-241	0.325145	chr4_1405401_1405600	sig	hyper
chr4	1407601	1407800	*	6.23E-159	7.42E-158	0.408182	chr4_1407601_1407800	sig	hyper
chr4	1410401	1410600	*	3.413E-79	1.402E-78	0.231269	chr4_1410401_1410600	sig	hyper
chr4	1494001	1494200	*	1.294E-27	2.307E-27	-0.17009	chr4_1494001_1494200	sig	hypo
chr4	1502601	1502800	*	3.114E-51	8.446E-51	-0.16684	chr4_1502601_1502800	sig	hypo
chr4	1502801	1503000	*	1.061E-50	2.856E-50	-0.20802	chr4_1502801_1503000	sig	hypo
chr4	1510401	1510600	*	1.004E-31	1.943E-31	-0.17522	chr4_1510401_1510600	sig	hypo
chr4	1533801	1534000	*	8.91E-254	3.72E-252	0.309485	chr4_1533801_1534000	sig	hyper
chr4	1561201	1561400	*	1.836E-28	3.329E-28	-0.17977	chr4_1561201_1561400	sig	hypo
chr4	1568801	1569000	*	2.192E-19	3.211E-19	-0.12072	chr4_1568801_1569000	sig	hypo
chr4	1576201	1576400	*	1.586E-49	4.201E-49	-0.14117	chr4_1576201_1576400	sig	hypo
chr4	1577601	1577800	*	7.741E-18	1.086E-17	0.122346	chr4_1577601_1577800	sig	hyper

chr4	1593601	1593800	*	1.97E-113	1.29E-112	0.190132	chr4_1593601_1593800	sig	hyper
chr4	1593801	1594000	*	3.979E-47	1.014E-46	0.132272	chr4_1593801_1594000	sig	hyper
chr4	1599201	1599400	*	3.186E-30	5.982E-30	-0.13527	chr4_1599201_1599400	sig	hypo
chr4	1602601	1602800	*	2.862E-17	3.951E-17	-0.14905	chr4_1602601_1602800	sig	hypo
chr4	1606601	1606800	*	1.941E-36	4.125E-36	-0.13637	chr4_1606601_1606800	sig	hypo
chr4	1640201	1640400	*	4.244E-23	6.831E-23	-0.13539	chr4_1640201_1640400	sig	hypo
chr4	1644401	1644600	*	6.897E-28	1.237E-27	0.127451	chr4_1644401_1644600	sig	hyper
chr4	1747401	1747600	*	9.911E-20	1.464E-19	-0.12733	chr4_1747401_1747600	sig	hypo
chr4	1825401	1825600	*	1.61E-42	3.797E-42	0.119557	chr4_1825401_1825600	sig	hyper
chr4	2257401	2257600	*	2.614E-24	4.323E-24	0.117596	chr4_2257401_2257600	sig	hyper
chr4	2274201	2274400	*	2.177E-24	3.608E-24	-0.10271	chr4_2274201_2274400	sig	hypo
chr4	2301801	2302000	*	1.38E-110	8.68E-110	0.303167	chr4_2301801_2302000	sig	hyper
chr4	2302001	2302200	*	6.73E-108	4.07E-107	0.325886	chr4_2302001_2302200	sig	hyper
chr4	2320201	2320400	*	3.196E-79	1.313E-78	-0.1866	chr4_2320201_2320400	sig	hypo
chr4	2339401	2339600	*	1.163E-46	2.938E-46	0.153504	chr4_2339401_2339600	sig	hyper
chr4	2339601	2339800	*	1.553E-30	2.935E-30	0.137326	chr4_2339601_2339800	sig	hyper
chr4	2341401	2341600	*	1.139E-16	1.548E-16	0.100873	chr4_2341401_2341600	sig	hyper
chr4	2462201	2462400	*	4.956E-27	8.733E-27	0.15345	chr4_2462201_2462400	sig	hyper
chr4	2764001	2764200	*	2.52E-79	1.038E-78	0.129995	chr4_2764001_2764200	sig	hyper
chr4	2812201	2812400	*	1.08E-124	8.14E-124	-0.32694	chr4_2812201_2812400	sig	hypo
chr4	3041201	3041400	*	6.249E-17	8.547E-17	-0.1295	chr4_3041201_3041400	sig	hypo
chr4	3248801	3249000	*	1.439E-25	2.453E-25	0.133796	chr4_3248801_3249000	sig	hyper
chr4	3263401	3263600	*	1.604E-49	4.247E-49	-0.14454	chr4_3263401_3263600	sig	hypo
chr4	3307601	3307800	*	1.404E-26	2.452E-26	-0.1649	chr4_3307601_3307800	sig	hypo
chr4	3311801	3312000	*	7.777E-38	1.695E-37	-0.18349	chr4_3311801_3312000	sig	hypo
chr4	3370201	3370400	*	6.006E-27	1.057E-26	0.111304	chr4_3370201_3370400	sig	hyper
chr4	3373001	3373200	*	4.523E-57	1.35E-56	-0.1672	chr4_3373001_3373200	sig	hypo
chr4	3385401	3385600	*	1.27E-146	1.28E-145	-0.3217	chr4_3385401_3385600	sig	hypo
chr4	3385601	3385800	*	3.39E-100	1.85E-99	-0.3107	chr4_3385601_3385800	sig	hypo
chr4	3436801	3437000	*	5.396E-16	7.188E-16	-0.10701	chr4_3436801_3437000	sig	hypo
chr4	3444601	3444800	*	3.249E-17	4.477E-17	-0.10823	chr4_3444601_3444800	sig	hypo
chr4	3470401	3470600	*	8.268E-30	1.54E-29	-0.18656	chr4_3470401_3470600	sig	hypo
chr4	3484201	3484400	*	5.275E-47	1.342E-46	-0.23045	chr4_3484201_3484400	sig	hypo
chr4	3492801	3493000	*	1.024E-37	2.228E-37	0.162372	chr4_3492801_3493000	sig	hyper
chr4	3533001	3533200	*	1.472E-80	6.151E-80	0.218054	chr4_3533001_3533200	sig	hyper
chr4	3649601	3649800	*	2.4E-144	2.35E-143	-0.24426	chr4_3649601_3649800	sig	hypo
chr4	3662401	3662600	*	1.156E-33	2.324E-33	-0.1272	chr4_3662401_3662600	sig	hypo
chr4	3689401	3689600	*	3.715E-71	1.361E-70	-0.1999	chr4_3689401_3689600	sig	hypo
chr4	3766801	3767000	*	1.01E-268	5.19E-267	0.295003	chr4_3766801_3767000	sig	hyper
chr4	3767801	3768000	*	3.731E-66	1.273E-65	0.207113	chr4_3767801_3768000	sig	hyper
chr4	3872001	3872200	*	1.05E-48	2.744E-48	0.192543	chr4_3872001_3872200	sig	hyper
chr4	3872201	3872400	*	3.62E-202	7.85E-201	0.236055	chr4_3872201_3872400	sig	hyper
chr4	4226401	4226600	*	2.32E-299	1.7E-297	0.260325	chr4_4226401_4226600	sig	hyper
chr4	4339601	4339800	*	2.89E-36	6.119E-36	0.175234	chr4_4339601_4339800	sig	hyper
chr4	4377801	4378000	*	6.503E-27	1.143E-26	0.123395	chr4_4377801_4378000	sig	hyper
chr4	4396401	4396600	*	3.447E-17	4.748E-17	0.102778	chr4_4396401_4396600	sig	hyper
chr4	4763401	4763600	*	3.526E-20	5.276E-20	0.140303	chr4_4763401_4763600	sig	hyper
chr4	4853601	4853800	*	1.771E-19	2.6E-19	0.1181	chr4_4853601_4853800	sig	hyper
chr4	4855201	4855400	*	1.79E-105	1.05E-104	0.218037	chr4_4855201_4855400	sig	hyper
chr4	4855601	4855800	*	6.516E-24	1.068E-23	0.101546	chr4_4855601_4855800	sig	hyper
chr4	4858001	4858200	*	1.79E-263	8.46E-262	0.356571	chr4_4858001_4858200	sig	hyper
chr4	4858201	4858400	*	1.95E-268	1E-266	0.320646	chr4_4858201_4858400	sig	hyper
chr4	4862401	4862600	*	6E-143	5.75E-142	0.346709	chr4_4862401_4862600	sig	hyper
chr4	4864601	4864800	*	5.324E-64	1.764E-63	0.248564	chr4_4864601_4864800	sig	hyper
chr4	4865001	4865200	*	4.481E-44	1.084E-43	0.138919	chr4_4865001_4865200	sig	hyper
chr4	4865201	4865400	*	7.172E-71	2.614E-70	0.110458	chr4_4865201_4865400	sig	hyper

chr4	4865401	4865600	*	6.48E-68	2.264E-67	0.12381	chr4_4865401_4865600	sig	hyper
chr4	4865601	4865800	*	7.751E-62	2.485E-61	0.105948	chr4_4865601_4865800	sig	hyper
chr4	4866601	4866800	*	3.35E-105	1.95E-104	0.123417	chr4_4866601_4866800	sig	hyper
chr4	4867001	4867200	*	1.897E-31	3.648E-31	0.11114	chr4_4867001_4867200	sig	hyper
chr4	4869601	4869800	*	1.08E-66	3.711E-66	0.176467	chr4_4869601_4869800	sig	hyper
chr4	4872201	4872400	*	1.46E-115	9.85E-115	0.248261	chr4_4872201_4872400	sig	hyper
chr4	5710801	5711000	*	7.539E-97	3.946E-96	0.293919	chr4_5710801_5711000	sig	hyper
chr4	5887401	5887600	*	1.205E-47	3.096E-47	0.120431	chr4_5887401_5887600	sig	hyper
chr4	5890401	5890600	*	2.797E-82	1.198E-81	0.282417	chr4_5890401_5890600	sig	hyper
chr4	5893201	5893400	*	1.99E-103	1.13E-102	0.262586	chr4_5893201_5893400	sig	hyper
chr4	6008401	6008600	*	1.491E-52	4.135E-52	0.192395	chr4_6008401_6008600	sig	hyper
chr4	6035601	6035800	*	2.082E-32	4.084E-32	-0.1374	chr4_6035601_6035800	sig	hypo
chr4	6121401	6121600	*	4.955E-24	8.148E-24	-0.11989	chr4_6121401_6121600	sig	hypo
chr4	6233801	6234000	*	1.337E-44	3.266E-44	-0.15278	chr4_6233801_6234000	sig	hypo
chr4	6322801	6323000	*	5.23E-134	4.46E-133	-0.40287	chr4_6322801_6323000	sig	hypo
chr4	6323201	6323400	*	9.495E-12	1.101E-11	-0.10844	chr4_6323201_6323400	sig	hypo
chr4	6329201	6329400	*	2.01E-41	4.653E-41	-0.16172	chr4_6329201_6329400	sig	hypo
chr4	6329401	6329600	*	3.136E-59	9.65E-59	-0.18648	chr4_6329401_6329600	sig	hypo
chr4	6329601	6329800	*	1.582E-28	2.871E-28	-0.17008	chr4_6329601_6329800	sig	hypo
chr4	6566201	6566400	*	7.356E-24	1.204E-23	-0.14823	chr4_6566201_6566400	sig	hypo
chr4	6658601	6658800	*	1.106E-75	4.316E-75	0.168308	chr4_6658601_6658800	sig	hyper
chr4	6663801	6664000	*	6.05E-168	8.17E-167	0.344985	chr4_6663801_6664000	sig	hyper
chr4	6664801	6665000	*	4.737E-14	5.958E-14	0.137638	chr4_6664801_6665000	sig	hyper
chr4	6689001	6689200	*	8.3E-136	7.22E-135	-0.15615	chr4_6689001_6689200	sig	hypo
chr4	6693801	6694000	*	1.45E-193	2.78E-192	-0.36587	chr4_6693801_6694000	sig	hypo
chr4	6727001	6727200	*	3.512E-89	1.658E-88	0.212376	chr4_6727001_6727200	sig	hyper
chr4	6727201	6727400	*	6.644E-82	2.832E-81	0.27552	chr4_6727201_6727400	sig	hyper
chr4	6727401	6727600	*	3.2E-43	7.631E-43	0.167994	chr4_6727401_6727600	sig	hyper
chr4	6753201	6753400	*	5.687E-96	2.947E-95	-0.21156	chr4_6753201_6753400	sig	hypo
chr4	7042201	7042400	*	2.788E-32	5.456E-32	0.108001	chr4_7042201_7042400	sig	hyper
chr4	7129401	7129600	*	1.89E-23	3.064E-23	-0.11311	chr4_7129401_7129600	sig	hypo
chr4	7193201	7193400	*	4.91E-189	8.9E-188	0.218166	chr4_7193201_7193400	sig	hyper
chr4	7250601	7250800	*	9.629E-46	2.392E-45	0.213844	chr4_7250601_7250800	sig	hyper
chr4	7250801	7251000	*	6.915E-64	2.288E-63	0.225279	chr4_7250801_7251000	sig	hyper
chr4	7281401	7281600	*	8.129E-18	1.141E-17	-0.12246	chr4_7281401_7281600	sig	hypo
chr4	7285801	7286000	*	1.561E-48	4.066E-48	0.191173	chr4_7285801_7286000	sig	hyper
chr4	7288001	7288200	*	2.133E-49	5.643E-49	-0.18086	chr4_7288001_7288200	sig	hypo
chr4	7299201	7299400	*	1.497E-32	2.946E-32	-0.16754	chr4_7299201_7299400	sig	hypo
chr4	7299801	7300000	*	4.042E-62	1.3E-61	-0.21105	chr4_7299801_7300000	sig	hypo
chr4	7300001	7300200	*	1.48E-14	1.891E-14	-0.10117	chr4_7300001_7300200	sig	hypo
chr4	7425601	7425800	*	1.782E-28	3.231E-28	-0.15073	chr4_7425601_7425800	sig	hypo
chr4	7433601	7433800	*	3.958E-49	1.043E-48	-0.13122	chr4_7433601_7433800	sig	hypo
chr4	7433801	7434000	*	3.325E-34	6.764E-34	-0.14837	chr4_7433801_7434000	sig	hypo
chr4	7460801	7461000	*	5.1E-15	6.616E-15	-0.11024	chr4_7460801_7461000	sig	hypo
chr4	7481801	7482000	*	4.475E-38	9.789E-38	-0.20033	chr4_7481801_7482000	sig	hypo
chr4	7500601	7500800	*	3.349E-78	1.356E-77	-0.24322	chr4_7500601_7500800	sig	hypo
chr4	7510601	7510800	*	4.174E-23	6.721E-23	-0.11925	chr4_7510601_7510800	sig	hypo
chr4	7591601	7591800	*	1.048E-59	3.247E-59	-0.15288	chr4_7591601_7591800	sig	hypo
chr4	7635601	7635800	*	2.481E-48	6.448E-48	-0.22203	chr4_7635601_7635800	sig	hypo
chr4	7646801	7647000	*	1.566E-84	6.923E-84	-0.25231	chr4_7646801_7647000	sig	hypo
chr4	7647801	7648000	*	5.656E-28	1.015E-27	-0.16283	chr4_7647801_7648000	sig	hypo
chr4	7650201	7650400	*	7.5E-144	7.27E-143	-0.35844	chr4_7650201_7650400	sig	hypo
chr4	7735001	7735200	*	3.81E-107	2.28E-106	-0.26597	chr4_7735001_7735200	sig	hypo
chr4	7766801	7767000	*	2.982E-25	5.042E-25	0.104755	chr4_7766801_7767000	sig	hyper
chr4	7772601	7772800	*	2.724E-26	4.723E-26	0.100903	chr4_7772601_7772800	sig	hyper
chr4	7772801	7773000	*	1.232E-94	6.255E-94	0.290531	chr4_7772801_7773000	sig	hyper

chr4	7782001	7782200	*	4.109E-44	9.948E-44	0.183386	chr4_7782001_7782200	sig	hyper
chr4	7965601	7965800	*	1.99E-135	1.72E-134	-0.26145	chr4_7965601_7965800	sig	hypo
chr4	7986001	7986200	*	3.321E-32	6.487E-32	-0.15744	chr4_7986001_7986200	sig	hypo
chr4	8108401	8108600	*	3.733E-43	8.898E-43	-0.18081	chr4_8108401_8108600	sig	hypo
chr4	8191601	8191800	*	5.3E-235	1.75E-233	-0.43029	chr4_8191601_8191800	sig	hypo
chr4	8199801	8200000	*	4.348E-24	7.162E-24	-0.13552	chr4_8199801_8200000	sig	hypo
chr4	8200601	8200800	*	3.207E-69	1.141E-68	-0.2048	chr4_8200601_8200800	sig	hypo
chr4	8343601	8343800	*	1.537E-61	4.902E-61	0.213111	chr4_8343601_8343800	sig	hyper
chr4	8370801	8371000	*	3.517E-37	7.583E-37	0.175648	chr4_8370801_8371000	sig	hyper
chr4	8388001	8388200	*	1.007E-51	2.756E-51	-0.15338	chr4_8388001_8388200	sig	hypo
chr4	8394201	8394400	*	7.7E-145	7.56E-144	0.29425	chr4_8394201_8394400	sig	hyper
chr4	8394401	8394600	*	2.88E-234	9.39E-233	0.306733	chr4_8394401_8394600	sig	hyper
chr4	8394601	8394800	*	1.568E-44	3.825E-44	0.10081	chr4_8394601_8394800	sig	hyper
chr4	8580401	8580600	*	3.002E-94	1.517E-93	0.141039	chr4_8580401_8580600	sig	hyper
chr4	8587001	8587200	*	9.026E-44	2.173E-43	-0.11153	chr4_8587001_8587200	sig	hypo
chr4	8601401	8601600	*	6.632E-23	1.062E-22	-0.10788	chr4_8601401_8601600	sig	hypo
chr4	8619601	8619800	*	2.664E-27	4.723E-27	-0.13331	chr4_8619601_8619800	sig	hypo
chr4	8649201	8649400	*	4.235E-27	7.476E-27	0.157708	chr4_8649201_8649400	sig	hyper
chr4	8691001	8691200	*	3.4E-30	6.383E-30	-0.11157	chr4_8691001_8691200	sig	hypo
chr4	9381001	9381200	*	1.718E-25	2.922E-25	-0.18695	chr4_9381001_9381200	sig	hypo
chr4	9522001	9522200	*	8.602E-23	1.373E-22	-0.11016	chr4_9522001_9522200	sig	hypo
chr4	9533601	9533800	*	7.719E-18	1.084E-17	-0.11764	chr4_9533601_9533800	sig	hypo
chr4	9781201	9781400	*	2.547E-40	5.792E-40	0.188736	chr4_9781201_9781400	sig	hyper
chr4	1E+07	1E+07	*	2.257E-40	5.134E-40	-0.17844	chr4_10458201_1045840(	sig	hypo
chr4	1E+07	1E+07	*	1.16E-109	7.21E-109	0.280036	chr4_10461601_1046180(	sig	hyper
chr4	1E+07	1E+07	*	1.871E-18	2.674E-18	0.104332	chr4_10462001_1046220(	sig	hyper
chr4	1.1E+07	1.1E+07	*	9.116E-38	1.985E-37	0.186712	chr4_11368601_1136880(	sig	hyper
chr4	1.1E+07	1.1E+07	*	5.151E-46	1.285E-45	0.161828	chr4_11369001_1136920(	sig	hyper
chr4	1.1E+07	1.1E+07	*	1.602E-59	4.952E-59	0.241408	chr4_11427201_1142740(	sig	hyper
chr4	1.1E+07	1.1E+07	*	1.177E-65	3.991E-65	0.206829	chr4_11427801_1142800(	sig	hyper
chr4	1.1E+07	1.1E+07	*	4.441E-09	4.617E-09	0.115746	chr4_11428001_1142820(	sig	hyper
chr4	1.4E+07	1.4E+07	*	3.411E-13	4.174E-13	-0.10254	chr4_13530801_1353100(	sig	hypo
chr4	1.4E+07	1.4E+07	*	8.512E-32	1.648E-31	0.117619	chr4_13536201_1353640(	sig	hyper
chr4	1.4E+07	1.4E+07	*	8.354E-68	2.914E-67	-0.17154	chr4_13537201_1353740(	sig	hypo
chr4	1.4E+07	1.4E+07	*	6.609E-13	8.006E-13	-0.10025	chr4_13537801_1353800(	sig	hypo
chr4	1.4E+07	1.4E+07	*	2.775E-78	1.124E-77	0.190812	chr4_13540201_1354040(	sig	hyper
chr4	1.4E+07	1.4E+07	*	2.074E-35	4.32E-35	0.165146	chr4_13541001_1354120(	sig	hyper
chr4	1.4E+07	1.4E+07	*	2.42E-112	1.56E-111	0.280595	chr4_13543601_1354380(	sig	hyper
chr4	1.6E+07	1.6E+07	*	1.722E-11	1.977E-11	0.122847	chr4_15656001_1565620(	sig	hyper
chr4	1.6E+07	1.6E+07	*	2.39E-170	3.35E-169	-0.26615	chr4_15787601_1578780(	sig	hypo
chr4	1.8E+07	1.8E+07	*	3.703E-39	8.252E-39	-0.15094	chr4_17709201_1770940(	sig	hypo
chr4	1.8E+07	1.8E+07	*	3.671E-57	1.097E-56	0.18722	chr4_17781001_1778120(	sig	hyper
chr4	1.8E+07	1.8E+07	*	1.13E-166	1.51E-165	0.270371	chr4_17781601_1778180(	sig	hyper
chr4	1.8E+07	1.8E+07	*	2.206E-61	7.006E-61	0.25741	chr4_17781801_1778200(	sig	hyper
chr4	2E+07	2E+07	*	2.204E-67	7.646E-67	0.16812	chr4_20252801_2025300(	sig	hyper
chr4	2E+07	2E+07	*	1.21E-46	3.056E-46	0.209096	chr4_20253001_2025320(	sig	hyper
chr4	2.1E+07	2.1E+07	*	1.14E-145	1.14E-144	0.167926	chr4_21304201_2130440(	sig	hyper
chr4	2.1E+07	2.1E+07	*	1.2E-122	8.81E-122	0.208216	chr4_21304401_2130460(	sig	hyper
chr4	2.2E+07	2.2E+07	*	6.148E-49	1.614E-48	0.169748	chr4_21949201_2194940(	sig	hyper
chr4	2.2E+07	2.2E+07	*	6.202E-27	1.091E-26	0.123574	chr4_21949401_2194960(	sig	hyper
chr4	2.5E+07	2.5E+07	*	1.511E-35	3.156E-35	0.163432	chr4_24795401_2479560(	sig	hyper
chr4	2.5E+07	2.5E+07	*	2.401E-16	3.231E-16	-0.11242	chr4_25159401_2515960(	sig	hypo
chr4	2.6E+07	2.6E+07	*	2.2E-130	1.79E-129	-0.23218	chr4_25863601_2586380(	sig	hypo
chr4	2.7E+07	2.7E+07	*	1.704E-83	7.425E-83	0.210964	chr4_26804401_2680460(	sig	hyper
chr4	2.7E+07	2.7E+07	*	0	0	0.297796	chr4_26804601_2680480(	sig	hyper
chr4	3.1E+07	3.1E+07	*	9.02E-106	5.29E-105	0.277911	chr4_30721601_3072180(	sig	hyper

chr4	3.1E+07	3.1E+07	*	1.04E-121	7.57E-121	0.276924	chr4_30723201_3072340(	sig	hyper
chr4	3.7E+07	3.7E+07	*	4.271E-34	8.671E-34	0.183112	chr4_37243601_3724380(	sig	hyper
chr4	3.7E+07	3.7E+07	*	6.426E-65	2.155E-64	0.104324	chr4_37244201_3724440(	sig	hyper
chr4	3.7E+07	3.7E+07	*	1.241E-45	3.076E-45	0.123514	chr4_37244401_3724460(	sig	hyper
chr4	3.7E+07	3.7E+07	*	1.447E-33	2.906E-33	0.103686	chr4_37245201_3724540(	sig	hyper
chr4	3.9E+07	3.9E+07	*	1.383E-53	3.904E-53	0.129594	chr4_38663001_3866320(	sig	hyper
chr4	4.1E+07	4.1E+07	*	9.714E-54	2.749E-53	-0.23415	chr4_40630801_4063100(	sig	hypo
chr4	4.1E+07	4.1E+07	*	1.161E-16	1.577E-16	-0.10815	chr4_41212601_4121280(	sig	hypo
chr4	4.1E+07	4.1E+07	*	1.689E-43	4.043E-43	-0.19587	chr4_41359601_4135980(	sig	hypo
chr4	4.2E+07	4.2E+07	*	2.159E-19	3.164E-19	0.142305	chr4_41644601_4164480(	sig	hyper
chr4	4.2E+07	4.2E+07	*	6.683E-67	2.302E-66	0.302023	chr4_41744801_4174500(	sig	hyper
chr4	4.2E+07	4.2E+07	*	2.29E-197	4.64E-196	0.398964	chr4_41747201_4174740(	sig	hyper
chr4	4.2E+07	4.2E+07	*	7.45E-138	6.67E-137	0.284848	chr4_41748201_4174840(	sig	hyper
chr4	4.2E+07	4.2E+07	*	8.259E-70	2.965E-69	0.211465	chr4_41751001_4175120(	sig	hyper
chr4	4.2E+07	4.2E+07	*	1.6E-207	3.68E-206	0.24449	chr4_41751201_4175140(	sig	hyper
chr4	4.2E+07	4.2E+07	*	2.254E-59	6.951E-59	0.200816	chr4_41751801_4175200(	sig	hyper
chr4	4.2E+07	4.2E+07	*	4.08E-48	1.056E-47	0.220991	chr4_41752001_4175220(	sig	hyper
chr4	4.2E+07	4.2E+07	*	1.384E-56	4.097E-56	0.130418	chr4_41865401_4186560(	sig	hyper
chr4	4.2E+07	4.2E+07	*	1.03E-106	6.1E-106	0.253963	chr4_41867201_4186740(	sig	hyper
chr4	4.2E+07	4.2E+07	*	8.45E-126	6.46E-125	0.2337	chr4_41867401_4186760(	sig	hyper
chr4	4.2E+07	4.2E+07	*	3.02E-135	2.61E-134	0.370172	chr4_41873401_4187360(	sig	hyper
chr4	4.2E+07	4.2E+07	*	1.297E-51	3.542E-51	0.214592	chr4_41879201_4187940(	sig	hyper
chr4	4.2E+07	4.2E+07	*	1.706E-41	3.956E-41	0.149974	chr4_41879801_4188000(	sig	hyper
chr4	4.2E+07	4.2E+07	*	1.797E-95	9.24E-95	0.222455	chr4_41880401_4188060(	sig	hyper
chr4	4.2E+07	4.2E+07	*	1.53E-132	1.28E-131	0.24239	chr4_41880601_4188080(	sig	hyper
chr4	4.2E+07	4.2E+07	*	1.18E-157	1.37E-156	0.246146	chr4_41880801_4188100(	sig	hyper
chr4	4.2E+07	4.2E+07	*	9.35E-307	7.44E-305	0.311865	chr4_41881001_4188120(	sig	hyper
chr4	4.2E+07	4.2E+07	*	7.056E-54	2.001E-53	0.226714	chr4_41882401_4188260(	sig	hyper
chr4	4.2E+07	4.2E+07	*	1.05E-249	4.18E-248	0.246194	chr4_42152801_4215300(	sig	hyper
chr4	4.2E+07	4.2E+07	*	5.072E-64	1.683E-63	0.154451	chr4_42398601_4239880(	sig	hyper
chr4	4.3E+07	4.3E+07	*	1.701E-19	2.499E-19	-0.1013	chr4_43410401_4341060(	sig	hypo
chr4	4.4E+07	4.4E+07	*	8.27E-144	8.02E-143	0.205337	chr4_44447601_4444780(	sig	hyper
chr4	4.5E+07	4.5E+07	*	1.989E-28	3.602E-28	-0.13559	chr4_45457401_4545760(	sig	hypo
chr4	4.7E+07	4.7E+07	*	1.183E-43	2.84E-43	0.147031	chr4_46723801_4672400(	sig	hyper
chr4	4.8E+07	4.8E+07	*	5.986E-29	1.096E-28	-0.1006	chr4_47838001_4783820(	sig	hypo
chr4	4.8E+07	4.8E+07	*	7.735E-90	3.68E-89	0.244489	chr4_48484001_4848420(	sig	hyper
chr4	4.8E+07	4.8E+07	*	9.79E-143	9.35E-142	0.255415	chr4_48484201_4848440(	sig	hyper
chr4	4.8E+07	4.8E+07	*	4.182E-28	7.523E-28	0.242422	chr4_48484401_4848460(	sig	hyper
chr4	4.8E+07	4.8E+07	*	7.077E-45	1.735E-44	0.131969	chr4_48491201_4849140(	sig	hyper
chr4	4.8E+07	4.8E+07	*	1.14E-49	3.026E-49	0.158116	chr4_48491401_4849160(	sig	hyper
chr4	4.9E+07	4.9E+07	*	6.884E-31	1.311E-30	-0.14475	chr4_48907001_4890720(	sig	hypo
chr4	4.9E+07	4.9E+07	*	1.467E-22	2.327E-22	0.130239	chr4_48985601_4898580(	sig	hyper
chr4	4.9E+07	4.9E+07	*	1.96E-22	3.099E-22	0.129978	chr4_48985801_4898600(	sig	hyper
chr4	5.2E+07	5.2E+07	*	5.574E-60	1.735E-59	0.118724	chr4_52038601_5203880(	sig	hyper
chr4	5.2E+07	5.2E+07	*	5.05E-123	3.72E-122	0.238837	chr4_52076801_5207700(	sig	hyper
chr4	5.2E+07	5.2E+07	*	2.98E-71	1.093E-70	0.24292	chr4_52077001_5207720(	sig	hyper
chr4	5.3E+07	5.3E+07	*	3.991E-39	8.889E-39	0.122249	chr4_52861601_5286180(	sig	hyper
chr4	5.3E+07	5.3E+07	*	3.528E-78	1.428E-77	0.288665	chr4_52862601_5286280(	sig	hyper
chr4	5.3E+07	5.3E+07	*	7.85E-151	8.49E-150	0.324566	chr4_52862801_5286300(	sig	hyper
chr4	5.4E+07	5.4E+07	*	1.433E-55	4.181E-55	0.248533	chr4_54094001_5409420(	sig	hyper
chr4	5.4E+07	5.4E+07	*	2.729E-26	4.731E-26	0.136752	chr4_54095601_5409580(	sig	hyper
chr4	5.4E+07	5.4E+07	*	1.285E-78	5.233E-78	0.223175	chr4_54101201_5410140(	sig	hyper
chr4	5.4E+07	5.4E+07	*	1.155E-58	3.527E-58	0.220094	chr4_54103401_5410360(	sig	hyper
chr4	5.4E+07	5.4E+07	*	5.347E-66	1.821E-65	0.259872	chr4_54103801_5410400(	sig	hyper
chr4	5.4E+07	5.4E+07	*	4.94E-133	4.16E-132	0.311034	chr4_54104001_5410420(	sig	hyper
chr4	5.4E+07	5.4E+07	*	1.408E-30	2.664E-30	0.176249	chr4_54108401_5410860(	sig	hyper

chr4	5.4E+07	5.4E+07	*	1.08E-23	1.762E-23	0.109382	chr4_54109401_5410960(	sig	hyper
chr4	5.4E+07	5.4E+07	*	3.798E-23	6.12E-23	0.11619	chr4_54149401_5414960(	sig	hyper
chr4	5.4E+07	5.4E+07	*	6.372E-22	9.957E-22	0.114245	chr4_54149601_5414980(	sig	hyper
chr4	5.4E+07	5.4E+07	*	5.491E-83	2.376E-82	0.127487	chr4_54227401_5422760(	sig	hyper
chr4	5.4E+07	5.4E+07	*	3.564E-35	7.393E-35	0.114663	chr4_54227601_5422780(	sig	hyper
chr4	5.4E+07	5.4E+07	*	4.288E-81	1.804E-80	0.173575	chr4_54231201_5423140(	sig	hyper
chr4	5.4E+07	5.4E+07	*	4.18E-112	2.69E-111	0.341816	chr4_54231801_5423200(	sig	hyper
chr4	5.4E+07	5.4E+07	*	0	0	0.310279	chr4_54232201_5423240(	sig	hyper
chr4	5.5E+07	5.5E+07	*	3.78E-169	5.18E-168	0.324049	chr4_55125201_5512540(	sig	hyper
chr4	5.5E+07	5.5E+07	*	1.424E-87	6.563E-87	0.233989	chr4_55157601_5515780(	sig	hyper
chr4	5.5E+07	5.5E+07	*	1.316E-85	5.895E-85	0.248059	chr4_55157801_5515800(	sig	hyper
chr4	5.6E+07	5.6E+07	*	6.05E-142	5.73E-141	0.287508	chr4_55793601_5579380(	sig	hyper
chr4	5.6E+07	5.6E+07	*	2.75E-185	4.7E-184	0.242361	chr4_55794201_5579440(	sig	hyper
chr4	5.7E+07	5.7E+07	*	1.747E-32	3.431E-32	0.119585	chr4_56506201_5650640(	sig	hyper
chr4	5.7E+07	5.7E+07	*	2.559E-70	9.253E-70	0.22519	chr4_56656601_5665680(	sig	hyper
chr4	5.7E+07	5.7E+07	*	1.529E-48	3.986E-48	-0.14622	chr4_56681201_5668140(	sig	hypo
chr4	5.7E+07	5.7E+07	*	6.562E-27	1.154E-26	-0.1314	chr4_57195601_5719580(	sig	hypo
chr4	5.7E+07	5.7E+07	*	1.174E-11	1.357E-11	-0.10836	chr4_57195801_5719600(	sig	hypo
chr4	6.1E+07	6.1E+07	*	4.226E-52	1.162E-51	0.2095	chr4_61200001_6120020(	sig	hyper
chr4	6.1E+07	6.1E+07	*	1.5E-161	1.86E-160	0.30737	chr4_61201601_6120180(	sig	hyper
chr4	6.1E+07	6.1E+07	*	5.405E-64	1.791E-63	0.14383	chr4_61203201_6120340(	sig	hyper
chr4	6.6E+07	6.6E+07	*	2.138E-77	8.554E-77	0.218253	chr4_65668201_6566840(	sig	hyper
chr4	6.6E+07	6.6E+07	*	3.054E-96	1.588E-95	0.215886	chr4_65668401_6566860(	sig	hyper
chr4	6.6E+07	6.6E+07	*	2.2E-175	3.3E-174	0.33456	chr4_65669401_6566960(	sig	hyper
chr4	6.6E+07	6.6E+07	*	2.061E-75	8.01E-75	0.19432	chr4_65670601_6567080(	sig	hyper
chr4	6.6E+07	6.6E+07	*	1.65E-216	4.31E-215	0.193235	chr4_65670801_6567100(	sig	hyper
chr4	7.2E+07	7.2E+07	*	3.46E-135	2.99E-134	0.293873	chr4_72031801_7203200(	sig	hyper
chr4	7.2E+07	7.2E+07	*	9.02E-147	9.13E-146	0.325086	chr4_72032001_7203220(	sig	hyper
chr4	7.3E+07	7.3E+07	*	3.521E-34	7.161E-34	0.119859	chr4_72569001_7256920(	sig	hyper
chr4	7.4E+07	7.4E+07	*	1.8E-101	9.94E-101	0.205572	chr4_73998401_7399860(	sig	hyper
chr4	7.4E+07	7.4E+07	*	4.889E-30	9.149E-30	0.153895	chr4_73998801_7399900(	sig	hyper
chr4	7.4E+07	7.4E+07	*	2.743E-17	3.789E-17	-0.12173	chr4_74364601_7436480(	sig	hypo
chr4	7.6E+07	7.6E+07	*	2.356E-62	7.601E-62	0.252673	chr4_76420601_7642080(	sig	hyper
chr4	7.7E+07	7.7E+07	*	1.681E-69	6.002E-69	-0.11398	chr4_76898401_7689860(	sig	hypo
chr4	7.7E+07	7.7E+07	*	3.008E-21	4.619E-21	0.133785	chr4_76948401_7694860(	sig	hyper
chr4	7.8E+07	7.8E+07	*	4.26E-106	2.51E-105	0.248539	chr4_78056001_7805620(	sig	hyper
chr4	7.8E+07	7.8E+07	*	4.815E-36	1.013E-35	-0.15937	chr4_78181401_7818160(	sig	hypo
chr4	8E+07	8E+07	*	1.43E-110	8.96E-110	0.147505	chr4_80185001_8018520(	sig	hyper
chr4	8E+07	8E+07	*	2.593E-79	1.067E-78	0.211435	chr4_80185201_8018540(	sig	hyper
chr4	8E+07	8E+07	*	2.925E-61	9.273E-61	0.237274	chr4_80185401_8018560(	sig	hyper
chr4	8E+07	8E+07	*	1.038E-34	2.134E-34	0.161223	chr4_80185601_8018580(	sig	hyper
chr4	8E+07	8E+07	*	4.052E-21	6.204E-21	0.117972	chr4_80190201_8019040(	sig	hyper
chr4	8E+07	8E+07	*	1.324E-46	3.342E-46	-0.13181	chr4_80198001_8019820(	sig	hypo
chr4	8E+07	8E+07	*	8.482E-21	1.289E-20	-0.10198	chr4_80198201_8019840(	sig	hypo
chr4	8E+07	8E+07	*	2.051E-16	2.768E-16	0.119075	chr4_80207401_8020760(	sig	hyper
chr4	8E+07	8E+07	*	7.87E-147	7.98E-146	0.221551	chr4_80265801_8026600(	sig	hyper
chr4	8E+07	8E+07	*	7.75E-176	1.17E-174	0.260564	chr4_80266001_8026620(	sig	hyper
chr4	8E+07	8E+07	*	7.36E-150	7.84E-149	0.260908	chr4_80267201_8026740(	sig	hyper
chr4	8.1E+07	8.1E+07	*	1.06E-54	3.048E-54	0.140095	chr4_81215601_8121580(	sig	hyper
chr4	8.3E+07	8.3E+07	*	1.004E-58	3.067E-58	-0.20583	chr4_83113201_8311340(	sig	hypo
chr4	8.4E+07	8.4E+07	*	2.74E-192	5.18E-191	0.195344	chr4_84481201_8448140(	sig	hyper
chr4	8.4E+07	8.4E+07	*	3.55E-114	2.35E-113	0.203741	chr4_84482001_8448220(	sig	hyper
chr4	8.4E+07	8.4E+07	*	3.939E-67	1.361E-66	0.185507	chr4_84495601_8449580(	sig	hyper
chr4	8.4E+07	8.4E+07	*	5.135E-37	1.103E-36	0.176381	chr4_84495801_8449600(	sig	hyper
chr4	8.4E+07	8.4E+07	*	2.364E-68	8.301E-68	0.164549	chr4_84496001_8449620(	sig	hyper
chr4	8.4E+07	8.4E+07	*	2.352E-37	5.085E-37	0.180165	chr4_84496401_8449660(	sig	hyper

chr4	8.4E+07	8.4E+07	*	5.83E-107	3.48E-106	0.201348	chr4_84497201_8449740(	sig	hyper
chr4	8.5E+07	8.5E+07	*	2.802E-87	1.285E-86	0.225195	chr4_84501001_8450120(	sig	hyper
chr4	8.5E+07	8.5E+07	*	1.83E-128	1.45E-127	0.271971	chr4_84501201_8450140(	sig	hyper
chr4	8.5E+07	8.5E+07	*	4.21E-122	3.07E-121	0.164342	chr4_84501801_8450200(	sig	hyper
chr4	8.5E+07	8.5E+07	*	2.857E-90	1.368E-89	0.176023	chr4_84502001_8450220(	sig	hyper
chr4	8.5E+07	8.5E+07	*	1.892E-60	5.935E-60	0.166739	chr4_84503001_8450320(	sig	hyper
chr4	8.5E+07	8.5E+07	*	1.833E-25	3.115E-25	-0.11021	chr4_85246201_8524640(	sig	hypo
chr4	8.7E+07	8.7E+07	*	2.258E-23	3.655E-23	0.107883	chr4_86892801_8689300(	sig	hyper
chr4	8.7E+07	8.7E+07	*	1.858E-42	4.376E-42	0.155972	chr4_87219201_8721940(	sig	hyper
chr4	9E+07	9E+07	*	2.85E-139	2.6E-138	0.210671	chr4_89836201_8983640(	sig	hyper
chr4	9E+07	9E+07	*	1.27E-108	7.73E-108	0.221868	chr4_89836401_8983660(	sig	hyper
chr4	9E+07	9E+07	*	1.001E-93	5.01E-93	0.150226	chr4_89837001_8983720(	sig	hyper
chr4	9E+07	9E+07	*	1.58E-188	2.83E-187	0.200973	chr4_89837601_8983780(	sig	hyper
chr4	9.2E+07	9.2E+07	*	4.03E-108	2.44E-107	0.187826	chr4_92303801_9230400(	sig	hyper
chr4	9.2E+07	9.2E+07	*	2.05E-106	1.21E-105	0.249732	chr4_92305201_9230540(	sig	hyper
chr4	9.2E+07	9.2E+07	*	7.57E-182	1.23E-180	0.265585	chr4_92305401_9230560(	sig	hyper
chr4	9.2E+07	9.2E+07	*	1.419E-71	5.218E-71	0.243357	chr4_92305801_9230600(	sig	hyper
chr4	9.4E+07	9.4E+07	*	7.794E-45	1.909E-44	0.230418	chr4_93834601_9383480(	sig	hyper
chr4	9.6E+07	9.6E+07	*	3.21E-117	2.2E-116	0.230793	chr4_95547801_9554800(	sig	hyper
chr4	9.6E+07	9.6E+07	*	9E-159	1.07E-157	0.222398	chr4_95548001_9554820(	sig	hyper
chr4	9.6E+07	9.6E+07	*	2.24E-285	1.38E-283	0.237244	chr4_95548401_9554860(	sig	hyper
chr4	9.6E+07	9.6E+07	*	1.62E-209	3.84E-208	0.248198	chr4_95549801_9555000(	sig	hyper
chr4	1E+08	1E+08	*	1.31E-147	1.34E-146	0.214019	chr4_100190001_1001902	sig	hyper
chr4	1E+08	1E+08	*	3.68E-145	3.64E-144	0.222996	chr4_100190601_1001908	sig	hyper
chr4	1E+08	1E+08	*	1.247E-78	5.08E-78	0.229976	chr4_103719201_103719⁴	sig	hyper
chr4	1E+08	1E+08	*	1.473E-79	6.082E-79	0.232298	chr4_103719801_103720(	sig	hyper
chr4	1E+08	1E+08	*	2.26E-210	5.41E-209	0.262623	chr4_103720001_1037202	sig	hyper
chr4	1.1E+08	1.1E+08	*	1.332E-53	3.761E-53	-0.11865	chr4_105896601_105896(	sig	hypo
chr4	1.1E+08	1.1E+08	*	1.67E-276	9.29E-275	0.321517	chr4_107035801_107036(	sig	hyper
chr4	1.1E+08	1.1E+08	*	1.59E-136	1.4E-135	0.269123	chr4_107037201_107037⁴	sig	hyper
chr4	1.1E+08	1.1E+08	*	5.002E-24	8.223E-24	0.100024	chr4_107930801_107931(	sig	hyper
chr4	1.1E+08	1.1E+08	*	7.87E-173	1.14E-171	0.219254	chr4_109302001_109302⁂	sig	hyper
chr4	1.1E+08	1.1E+08	*	3.43E-230	1.05E-228	0.22183	chr4_109302401_109302(	sig	hyper
chr4	1.1E+08	1.1E+08	*	6.33E-267	3.17E-265	0.292334	chr4_109302601_109302(	sig	hyper
chr4	1.1E+08	1.1E+08	*	3.35E-144	3.26E-143	0.214	chr4_110612601_110612(	sig	hyper
chr4	1.1E+08	1.1E+08	*	5.908E-93	2.922E-92	0.319731	chr4_110614201_110614⁴	sig	hyper
chr4	1.1E+08	1.1E+08	*	1.107E-55	3.235E-55	0.237136	chr4_110614401_110614(	sig	hyper
chr4	1.1E+08	1.1E+08	*	3.53E-163	4.47E-162	0.198405	chr4_110618201_110618⁴	sig	hyper
chr4	1.1E+08	1.1E+08	*	1.227E-30	2.323E-30	0.152779	chr4_110618801_110619(	sig	hyper
chr4	1.1E+08	1.1E+08	*	7.688E-31	1.462E-30	0.172862	chr4_110626801_110627(	sig	hyper
chr4	1.1E+08	1.1E+08	*	3.37E-178	5.22E-177	0.300957	chr4_110628801_110629(	sig	hyper
chr4	1.1E+08	1.1E+08	*	3.93E-211	9.56E-210	0.320886	chr4_110630601_110630(	sig	hyper
chr4	1.1E+08	1.1E+08	*	1.14E-154	1.29E-153	0.267123	chr4_110630801_110631(	sig	hyper
chr4	1.1E+08	1.1E+08	*	1.28E-69	4.575E-69	0.201293	chr4_110631001_110631⁂	sig	hyper
chr4	1.1E+08	1.1E+08	*	3.523E-72	1.306E-71	0.26966	chr4_110633201_110633⁴	sig	hyper
chr4	1.1E+08	1.1E+08	*	1.62E-134	1.39E-133	0.302936	chr4_110633801_110634(	sig	hyper
chr4	1.1E+08	1.1E+08	*	1.709E-85	7.649E-85	0.302459	chr4_110639801_110640(	sig	hyper
chr4	1.1E+08	1.1E+08	*	5.99E-130	4.84E-129	0.351433	chr4_110641201_110641⁴	sig	hyper
chr4	1.1E+08	1.1E+08	*	1.35E-180	2.17E-179	0.223989	chr4_112379401_112379(	sig	hyper
chr4	1.1E+08	1.1E+08	*	8.189E-48	2.109E-47	0.120818	chr4_112510601_112510⁂	sig	hyper
chr4	1.1E+08	1.1E+08	*	3.003E-87	1.377E-86	0.18124	chr4_112511401_112511(	sig	hyper
chr4	1.1E+08	1.1E+08	*	7.806E-82	3.321E-81	0.140673	chr4_112520401_112520(	sig	hyper
chr4	1.2E+08	1.2E+08	*	9.552E-73	3.565E-72	-0.1109	chr4_116453201_116453⁴	sig	hypo
chr4	1.2E+08	1.2E+08	*	8.631E-55	2.485E-54	0.182851	chr4_116925801_116926(	sig	hyper
chr4	1.2E+08	1.2E+08	*	1.06E-209	2.52E-208	0.274558	chr4_121380401_121380(	sig	hyper
chr4	1.2E+08	1.2E+08	*	5.656E-96	2.932E-95	0.285976	chr4_121380801_121381(	sig	hyper

chr4	1.2E+08	1.2E+08	*	1.183E-51	3.234E-51	0.196443	chr4_121381001_121381	sig	hyper
chr4	1.2E+08	1.2E+08	*	4.016E-69	1.428E-68	0.23119	chr4_121764401_121764	sig	hyper
chr4	1.2E+08	1.2E+08	*	6.282E-76	2.461E-75	0.158774	chr4_121765001_121765	sig	hyper
chr4	1.2E+08	1.2E+08	*	2.34E-112	1.51E-111	0.236843	chr4_121765201_121765	sig	hyper
chr4	1.2E+08	1.2E+08	*	3.144E-73	1.181E-72	0.198947	chr4_121765401_121765	sig	hyper
chr4	1.2E+08	1.2E+08	*	6.397E-47	1.624E-46	0.216967	chr4_122826401_122826	sig	hyper
chr4	1.2E+08	1.2E+08	*	6.62E-54	1.879E-53	-0.18862	chr4_123547201_123547	sig	hypo
chr4	1.2E+08	1.2E+08	*	3.426E-54	9.767E-54	-0.20195	chr4_123547601_123547	sig	hypo
chr4	1.3E+08	1.3E+08	*	1.741E-80	7.274E-80	0.229353	chr4_125316201_125316	sig	hyper
chr4	1.3E+08	1.3E+08	*	4.792E-96	2.487E-95	0.233713	chr4_125316401_125316	sig	hyper
chr4	1.3E+08	1.3E+08	*	6.779E-53	1.891E-52	0.203188	chr4_125316801_125317	sig	hyper
chr4	1.3E+08	1.3E+08	*	1.5E-131	1.24E-130	0.251555	chr4_125317001_125317	sig	hyper
chr4	1.3E+08	1.3E+08	*	7.64E-143	7.31E-142	0.239457	chr4_125317601_125317	sig	hyper
chr4	1.3E+08	1.3E+08	*	1.507E-32	2.965E-32	-0.11505	chr4_126490001_126490	sig	hypo
chr4	1.3E+08	1.3E+08	*	2.375E-77	9.5E-77	0.132764	chr4_127623201_127623	sig	hyper
chr4	1.3E+08	1.3E+08	*	3.762E-20	5.625E-20	-0.10535	chr4_130038801_130039	sig	hypo
chr4	1.3E+08	1.3E+08	*	3.023E-95	1.551E-94	0.272121	chr4_133147401_133147	sig	hyper
chr4	1.3E+08	1.3E+08	*	3.83E-165	4.98E-164	0.215196	chr4_133148001_133148	sig	hyper
chr4	1.3E+08	1.3E+08	*	7.26E-229	2.18E-227	0.269917	chr4_133148201_133148	sig	hyper
chr4	1.3E+08	1.3E+08	*	1.36E-157	1.59E-156	0.325994	chr4_133148401_133148	sig	hyper
chr4	1.3E+08	1.3E+08	*	3.82E-139	3.48E-138	0.285878	chr4_133151601_133151	sig	hyper
chr4	1.3E+08	1.3E+08	*	4.262E-31	8.144E-31	0.225377	chr4_134201201_134201	sig	hyper
chr4	1.3E+08	1.3E+08	*	3.123E-36	6.606E-36	-0.18458	chr4_134952801_134953	sig	hypo
chr4	1.4E+08	1.4E+08	*	3.05E-139	2.78E-138	0.201663	chr4_139279401_139279	sig	hyper
chr4	1.4E+08	1.4E+08	*	6.24E-96	3.232E-95	0.230919	chr4_139279601_139279	sig	hyper
chr4	1.4E+08	1.4E+08	*	2.282E-58	6.933E-58	0.170434	chr4_139280001_139280	sig	hyper
chr4	1.4E+08	1.4E+08	*	2.66E-169	3.65E-168	0.244605	chr4_140426801_140427	sig	hyper
chr4	1.4E+08	1.4E+08	*	2.789E-44	6.774E-44	0.198654	chr4_143912001_143912	sig	hyper
chr4	1.4E+08	1.4E+08	*	4.885E-68	1.708E-67	0.235165	chr4_143912201_143912	sig	hyper
chr4	1.4E+08	1.4E+08	*	2.22E-152	2.44E-151	0.380616	chr4_144645201_144645	sig	hyper
chr4	1.4E+08	1.4E+08	*	1.21E-113	7.99E-113	0.273819	chr4_144646401_144646	sig	hyper
chr4	1.4E+08	1.4E+08	*	4.846E-62	1.557E-61	0.157416	chr4_144647201_144647	sig	hyper
chr4	1.5E+08	1.5E+08	*	2.599E-54	7.427E-54	0.271108	chr4_146633001_146633	sig	hyper
chr4	1.5E+08	1.5E+08	*	1.137E-83	4.962E-83	0.277125	chr4_146637001_146637	sig	hyper
chr4	1.5E+08	1.5E+08	*	6.71E-206	1.51E-204	0.320199	chr4_146637201_146637	sig	hyper
chr4	1.5E+08	1.5E+08	*	4.318E-82	1.845E-81	0.238371	chr4_146639001_146639	sig	hyper
chr4	1.5E+08	1.5E+08	*	0	0	0.317788	chr4_146640601_146640	sig	hyper
chr4	1.5E+08	1.5E+08	*	2.762E-83	1.199E-82	-0.2251	chr4_150256801_150257	sig	hypo
chr4	1.5E+08	1.5E+08	*	1.624E-82	6.983E-82	-0.23412	chr4_150257001_150257	sig	hypo
chr4	1.5E+08	1.5E+08	*	6.95E-125	5.25E-124	0.442781	chr4_150579801_150580	sig	hyper
chr4	1.5E+08	1.5E+08	*	6.72E-126	5.15E-125	0.377401	chr4_150582201_150582	sig	hyper
chr4	1.5E+08	1.5E+08	*	7.65E-108	4.63E-107	0.373063	chr4_150582801_150583	sig	hyper
chr4	1.5E+08	1.5E+08	*	0	0	0.398092	chr4_150583801_150584	sig	hyper
chr4	1.5E+08	1.5E+08	*	4.166E-52	1.146E-51	-0.17094	chr4_152680201_152680	sig	hypo
chr4	1.5E+08	1.5E+08	*	1.41E-169	1.95E-168	-0.29693	chr4_152935201_152935	sig	hypo
chr4	1.5E+08	1.5E+08	*	3.714E-44	9E-44	0.123943	chr4_153222401_153222	sig	hyper
chr4	1.5E+08	1.5E+08	*	1.9E-214	4.81E-213	0.243275	chr4_153249401_153249	sig	hyper
chr4	1.5E+08	1.5E+08	*	9.7E-168	1.3E-166	0.289666	chr4_153249601_153249	sig	hyper
chr4	1.5E+08	1.5E+08	*	4.579E-30	8.574E-30	-0.10821	chr4_153781401_153781	sig	hypo
chr4	1.5E+08	1.5E+08	*	2.93E-131	2.41E-130	0.274314	chr4_153789201_153789	sig	hyper
chr4	1.5E+08	1.5E+08	*	2.51E-135	2.17E-134	0.233534	chr4_153789601_153789	sig	hyper
chr4	1.5E+08	1.5E+08	*	8.69E-115	5.81E-114	0.285306	chr4_153792001_153792	sig	hyper
chr4	1.5E+08	1.5E+08	*	4.748E-69	1.686E-68	0.191052	chr4_153792201_153792	sig	hyper
chr4	1.5E+08	1.5E+08	*	9.243E-54	2.616E-53	0.141006	chr4_153792401_153792	sig	hyper
chr4	1.5E+08	1.5E+08	*	4.615E-34	9.359E-34	0.116729	chr4_154333001_154333	sig	hyper
chr4	1.5E+08	1.5E+08	*	1.447E-38	3.193E-38	0.124634	chr4_154333201_154333	sig	hyper

chr4	1.5E+08	1.5E+08	*	1.02E-147	1.04E-146	0.220367	chr4_154491201_154491	sig	hyper
chr4	1.5E+08	1.5E+08	*	5.772E-29	1.057E-28	-0.13709	chr4_154741801_154742	sig	hypo
chr4	1.5E+08	1.5E+08	*	8.217E-47	2.083E-46	0.182549	chr4_154742601_154742	sig	hyper
chr4	1.5E+08	1.5E+08	*	1.79E-125	1.36E-124	0.310655	chr4_154743001_154743	sig	hyper
chr4	1.5E+08	1.5E+08	*	1.458E-77	5.849E-77	0.263344	chr4_154744601_154744	sig	hyper
chr4	1.6E+08	1.6E+08	*	3.24E-115	2.18E-114	0.308507	chr4_155376401_155376	sig	hyper
chr4	1.6E+08	1.6E+08	*	1.49E-169	2.06E-168	0.219955	chr4_155376801_155377	sig	hyper
chr4	1.6E+08	1.6E+08	*	2.75E-143	2.64E-142	0.154951	chr4_155667001_155667	sig	hyper
chr4	1.6E+08	1.6E+08	*	1.1E-125	8.41E-125	0.160103	chr4_155667201_155667	sig	hyper
chr4	1.6E+08	1.6E+08	*	1.04E-119	7.35E-119	0.177785	chr4_155668001_155668	sig	hyper
chr4	1.6E+08	1.6E+08	*	2.645E-98	1.409E-97	0.292448	chr4_155758801_155759	sig	hyper
chr4	1.6E+08	1.6E+08	*	2.55E-149	2.69E-148	0.210105	chr4_155760201_155760	sig	hyper
chr4	1.6E+08	1.6E+08	*	5.969E-56	1.75E-55	0.185446	chr4_157220201_157220	sig	hyper
chr4	1.6E+08	1.6E+08	*	1.374E-87	6.334E-87	0.271526	chr4_157222601_157222	sig	hyper
chr4	1.6E+08	1.6E+08	*	1.462E-23	2.378E-23	0.188668	chr4_157222801_157223	sig	hyper
chr4	1.6E+08	1.6E+08	*	2.775E-22	4.371E-22	-0.13913	chr4_158170801_158171	sig	hypo
chr4	1.6E+08	1.6E+08	*	2.697E-77	1.078E-76	-0.21996	chr4_160481801_160482	sig	hypo
chr4	1.6E+08	1.6E+08	*	1.41E-138	1.27E-137	0.165567	chr4_163343601_163343	sig	hyper
chr4	1.6E+08	1.6E+08	*	1.288E-23	2.098E-23	-0.11063	chr4_164188401_164188	sig	hypo
chr4	1.6E+08	1.6E+08	*	1.89E-252	7.75E-251	0.314921	chr4_164383201_164383	sig	hyper
chr4	1.6E+08	1.6E+08	*	7.56E-163	9.53E-162	0.348707	chr4_164384001_164384	sig	hyper
chr4	1.6E+08	1.6E+08	*	3.231E-39	7.203E-39	-0.14578	chr4_164933001_164933	sig	hypo
chr4	1.6E+08	1.6E+08	*	1.279E-75	4.987E-75	0.126492	chr4_164956801_164957	sig	hyper
chr4	1.7E+08	1.7E+08	*	4.238E-28	7.622E-28	0.149655	chr4_165379801_165380	sig	hyper
chr4	1.7E+08	1.7E+08	*	5.911E-97	3.101E-96	0.179481	chr4_165874001_165874	sig	hyper
chr4	1.7E+08	1.7E+08	*	2.565E-72	9.521E-72	0.23528	chr4_165874401_165874	sig	hyper
chr4	1.7E+08	1.7E+08	*	1.07E-111	6.86E-111	0.23612	chr4_167234001_167234	sig	hyper
chr4	1.7E+08	1.7E+08	*	2.479E-50	6.64E-50	0.149594	chr4_167234401_167234	sig	hyper
chr4	1.7E+08	1.7E+08	*	4.603E-32	8.966E-32	0.111963	chr4_167234601_167234	sig	hyper
chr4	1.7E+08	1.7E+08	*	1.642E-30	3.102E-30	0.208044	chr4_168877601_168877	sig	hyper
chr4	1.7E+08	1.7E+08	*	3.904E-13	4.765E-13	0.11696	chr4_168877801_168878	sig	hyper
chr4	1.7E+08	1.7E+08	*	2.771E-15	3.623E-15	0.143768	chr4_168878401_168878	sig	hyper
chr4	1.7E+08	1.7E+08	*	3.374E-45	8.305E-45	0.19053	chr4_171812401_171812	sig	hyper
chr4	1.7E+08	1.7E+08	*	5.855E-59	1.795E-58	0.214873	chr4_171812601_171812	sig	hyper
chr4	1.7E+08	1.7E+08	*	8.45E-140	7.77E-139	0.254883	chr4_171813001_171813	sig	hyper
chr4	1.7E+08	1.7E+08	*	2.731E-83	1.185E-82	0.250453	chr4_171813201_171813	sig	hyper
chr4	1.7E+08	1.7E+08	*	1.87E-154	2.11E-153	0.295531	chr4_171813601_171813	sig	hyper
chr4	1.7E+08	1.7E+08	*	3.004E-17	4.145E-17	0.114646	chr4_171814601_171814	sig	hyper
chr4	1.7E+08	1.7E+08	*	8.516E-12	9.898E-12	-0.10666	chr4_173500801_173501	sig	hypo
chr4	1.7E+08	1.7E+08	*	3.321E-13	4.065E-13	-0.10024	chr4_173501401_173501	sig	hypo
chr4	1.7E+08	1.7E+08	*	2.032E-24	3.371E-24	0.184725	chr4_173509801_173510	sig	hyper
chr4	1.7E+08	1.7E+08	*	1.875E-96	9.767E-96	0.212378	chr4_173516601_173516	sig	hyper
chr4	1.7E+08	1.7E+08	*	5.12E-111	3.25E-110	0.209339	chr4_173517801_173518	sig	hyper
chr4	1.7E+08	1.7E+08	*	1.73E-125	1.32E-124	0.381364	chr4_173518601_173518	sig	hyper
chr4	1.7E+08	1.7E+08	*	1.08E-298	7.8E-297	0.320055	chr4_173519401_173519	sig	hyper
chr4	1.7E+08	1.7E+08	*	7.135E-19	1.031E-18	0.109061	chr4_173521601_173521	sig	hyper
chr4	1.7E+08	1.7E+08	*	4.634E-53	1.296E-52	0.131465	chr4_173522601_173522	sig	hyper
chr4	1.7E+08	1.7E+08	*	1.478E-95	7.607E-95	0.294449	chr4_173524001_173524	sig	hyper
chr4	1.7E+08	1.7E+08	*	1.15E-233	3.68E-232	0.32663	chr4_173527401_173527	sig	hyper
chr4	1.7E+08	1.7E+08	*	2.893E-31	5.546E-31	0.205625	chr4_173528401_173528	sig	hyper
chr4	1.7E+08	1.7E+08	*	1.08E-168	1.47E-167	0.317417	chr4_173528801_173529	sig	hyper
chr4	1.7E+08	1.7E+08	*	9.35E-264	4.45E-262	0.20556	chr4_173530001_173530	sig	hyper
chr4	1.7E+08	1.7E+08	*	2.48E-231	7.7E-230	0.271865	chr4_173531201_173531	sig	hyper
chr4	1.7E+08	1.7E+08	*	1.864E-74	7.142E-74	0.221466	chr4_173531601_173531	sig	hyper
chr4	1.7E+08	1.7E+08	*	2.944E-10	3.223E-10	0.107054	chr4_173531801_173532	sig	hyper
chr4	1.7E+08	1.7E+08	*	4.286E-15	5.573E-15	0.15868	chr4_173538001_173538	sig	hyper

chr4	1.7E+08	1.7E+08	*	1.44E-177	2.21E-176	0.221652	chr4_173538801_173539(	sig	hyper
chr4	1.7E+08	1.7E+08	*	3.19E-109	1.96E-108	0.243201	chr4_174217801_174218(	sig	hyper
chr4	1.8E+08	1.8E+08	*	2.358E-28	4.263E-28	-0.1582	chr4_175428601_175428{	sig	hypo
chr4	1.8E+08	1.8E+08	*	3.643E-94	1.835E-93	0.273136	chr4_176001401_176001(	sig	hyper
chr4	1.8E+08	1.8E+08	*	4.656E-95	2.381E-94	0.19427	chr4_176001601_176001{	sig	hyper
chr4	1.8E+08	1.8E+08	*	3.442E-70	1.242E-69	0.197428	chr4_176001801_176002(	sig	hyper
chr4	1.8E+08	1.8E+08	*	8.477E-92	4.134E-91	0.149256	chr4_176065801_176066(	sig	hyper
chr4	1.8E+08	1.8E+08	*	1.14E-199	2.41E-198	0.143381	chr4_176066001_176066[	sig	hyper
chr4	1.8E+08	1.8E+08	*	4.76E-287	2.99E-285	0.28645	chr4_176792001_176792[	sig	hyper
chr4	1.8E+08	1.8E+08	*	2.541E-57	7.621E-57	0.226607	chr4_176792201_176792<	sig	hyper
chr4	1.8E+08	1.8E+08	*	1.419E-15	1.871E-15	-0.12506	chr4_182140601_182140{	sig	hypo
chr4	1.8E+08	1.8E+08	*	1.303E-57	3.921E-57	0.155397	chr4_182143601_182143{	sig	hyper
chr4	1.8E+08	1.8E+08	*	3.32E-130	2.69E-129	-0.3001	chr4_182801801_182802(	sig	hypo
chr4	1.8E+08	1.8E+08	*	2.166E-26	3.766E-26	-0.11087	chr4_182805601_182805{	sig	hypo
chr4	1.8E+08	1.8E+08	*	8.512E-58	2.568E-57	0.115545	chr4_182806801_182807(	sig	hyper
chr4	1.8E+08	1.8E+08	*	1.548E-14	1.977E-14	-0.12286	chr4_183721801_183722(	sig	hypo
chr4	1.8E+08	1.8E+08	*	1.399E-25	2.385E-25	-0.1182	chr4_183758401_183758(	sig	hypo
chr4	1.8E+08	1.8E+08	*	7.15E-124	5.34E-123	0.175462	chr4_183905001_183905[	sig	hyper
chr4	1.8E+08	1.8E+08	*	3.597E-69	1.279E-68	0.116527	chr4_183905801_183906(	sig	hyper
chr4	1.8E+08	1.8E+08	*	3.166E-51	8.586E-51	0.168275	chr4_183987601_183987{	sig	hyper
chr4	1.8E+08	1.8E+08	*	2.12E-114	1.41E-113	-0.20481	chr4_184001401_184001(	sig	hypo
chr4	1.8E+08	1.8E+08	*	1.127E-54	3.239E-54	-0.16665	chr4_184009601_184009{	sig	hypo
chr4	1.8E+08	1.8E+08	*	3.573E-35	7.411E-35	0.123902	chr4_184097201_184097<	sig	hyper
chr4	1.8E+08	1.8E+08	*	4.031E-54	1.149E-53	-0.11427	chr4_184826801_184827(	sig	hypo
chr4	1.9E+08	1.9E+08	*	8.339E-88	3.859E-87	0.183063	chr4_185004801_185005(	sig	hyper
chr4	1.9E+08	1.9E+08	*	4.39E-175	6.55E-174	0.268513	chr4_185016201_185016<	sig	hyper
chr4	1.9E+08	1.9E+08	*	4.926E-51	1.332E-50	0.107809	chr4_185017401_185017(	sig	hyper
chr4	1.9E+08	1.9E+08	*	2.529E-49	6.681E-49	0.108099	chr4_185017601_185017{	sig	hyper
chr4	1.9E+08	1.9E+08	*	1.978E-51	5.383E-51	0.121454	chr4_185018601_185018{	sig	hyper
chr4	1.9E+08	1.9E+08	*	5.59E-211	1.36E-209	0.21822	chr4_185018801_185019(	sig	hyper
chr4	1.9E+08	1.9E+08	*	1.445E-70	5.241E-70	0.202973	chr4_185019001_185019[	sig	hyper
chr4	1.9E+08	1.9E+08	*	8.15E-158	9.57E-157	0.307121	chr4_185019401_185019(	sig	hyper
chr4	1.9E+08	1.9E+08	*	4.702E-79	1.926E-78	0.185552	chr4_185020401_185020(	sig	hyper
chr4	1.9E+08	1.9E+08	*	8.14E-165	1.05E-163	0.256994	chr4_185021001_185021[	sig	hyper
chr4	1.9E+08	1.9E+08	*	1.519E-35	3.172E-35	0.135242	chr4_185021201_185021<	sig	hyper
chr4	1.9E+08	1.9E+08	*	6.97E-136	6.07E-135	0.173511	chr4_185021401_185021(	sig	hyper
chr4	1.9E+08	1.9E+08	*	4E-111	2.54E-110	0.123538	chr4_185534801_185535(	sig	hyper
chr4	1.9E+08	1.9E+08	*	8.579E-47	2.173E-46	-0.17232	chr4_186204801_186205(	sig	hypo
chr4	1.9E+08	1.9E+08	*	1.776E-53	5E-53	-0.13584	chr4_186708201_186708<	sig	hypo
chr4	1.9E+08	1.9E+08	*	1.774E-53	4.996E-53	-0.1463	chr4_186709201_186709<	sig	hypo
chr4	1.9E+08	1.9E+08	*	1.292E-68	4.556E-68	-0.11882	chr4_187063401_187063(	sig	hypo
chr4	1.9E+08	1.9E+08	*	1.429E-61	4.562E-61	0.217208	chr4_187995401_187995(	sig	hyper
chr4	1.9E+08	1.9E+08	*	1.014E-28	1.847E-28	-0.10494	chr4_188208801_188209(	sig	hypo
chr4	1.9E+08	1.9E+08	*	1.466E-73	5.532E-73	0.202238	chr4_189810201_189810<	sig	hyper
chr4	1.9E+08	1.9E+08	*	8.923E-61	2.813E-60	0.216991	chr4_190015601_190015{	sig	hyper
chr4	1.9E+08	1.9E+08	*	1.2E-105	7.03E-105	0.321562	chr4_190017201_190017<	sig	hyper
chr4	1.9E+08	1.9E+08	*	2.77E-144	2.7E-143	0.249332	chr4_190017801_190018(	sig	hyper
chr4	1.9E+08	1.9E+08	*	2.03E-208	4.72E-207	0.255126	chr4_190018001_190018[	sig	hyper
chr4	1.9E+08	1.9E+08	*	1.825E-25	3.101E-25	0.131051	chr4_190019201_190019<	sig	hyper
chr4	1.9E+08	1.9E+08	*	2.32E-158	2.74E-157	0.250357	chr4_190020401_190020(	sig	hyper
chr5	54001	54200	*	1.57E-72	5.841E-72	0.135002	chr5_54001_54200	sig	hyper
chr5	54801	55000	*	2.69E-36	5.698E-36	-0.13177	chr5_54801_55000	sig	hypo
chr5	89801	90000	*	4.409E-22	6.908E-22	-0.13221	chr5_89801_90000	sig	hypo
chr5	95401	95600	*	5.85E-144	5.68E-143	-0.29836	chr5_95401_95600	sig	hypo
chr5	109801	110000	*	3.619E-58	1.096E-57	-0.20555	chr5_109801_110000	sig	hypo
chr5	110601	110800	*	8.047E-33	1.592E-32	-0.13083	chr5_110601_110800	sig	hypo

chr5	140201	140400	*	4.65E-35	9.619E-35	-0.12266	chr5_140201_140400	sig	hypo
chr5	143001	143200	*	3.924E-29	7.208E-29	-0.18895	chr5_143001_143200	sig	hypo
chr5	161601	161800	*	3.714E-40	8.419E-40	-0.1556	chr5_161601_161800	sig	hypo
chr5	169601	169800	*	2.248E-20	3.378E-20	-0.11802	chr5_169601_169800	sig	hypo
chr5	172801	173000	*	2.33E-177	3.56E-176	-0.40962	chr5_172801_173000	sig	hypo
chr5	181801	182000	*	4.381E-36	9.229E-36	-0.13407	chr5_181801_182000	sig	hypo
chr5	192001	192200	*	1.042E-21	1.62E-21	0.141424	chr5_192001_192200	sig	hyper
chr5	194401	194600	*	7.841E-26	1.346E-25	-0.11149	chr5_194401_194600	sig	hypo
chr5	195401	195600	*	6.661E-26	1.145E-25	-0.11239	chr5_195401_195600	sig	hypo
chr5	270201	270400	*	2.825E-36	5.983E-36	-0.23329	chr5_270201_270400	sig	hypo
chr5	297001	297200	*	7.093E-31	1.35E-30	-0.10552	chr5_297001_297200	sig	hypo
chr5	320601	320800	*	9.7E-130	7.8E-129	0.30041	chr5_320601_320800	sig	hyper
chr5	322001	322200	*	1.32E-130	1.08E-129	0.145679	chr5_322001_322200	sig	hyper
chr5	343801	344000	*	2.661E-48	6.912E-48	0.150915	chr5_343801_344000	sig	hyper
chr5	368601	368800	*	3.382E-35	7.017E-35	-0.14158	chr5_368601_368800	sig	hypo
chr5	392801	393000	*	1.295E-63	4.267E-63	-0.25223	chr5_392801_393000	sig	hypo
chr5	404801	405000	*	6.957E-48	1.794E-47	-0.16755	chr5_404801_405000	sig	hypo
chr5	405201	405400	*	6.811E-21	1.037E-20	-0.10577	chr5_405201_405400	sig	hypo
chr5	430201	430400	*	1.667E-61	5.314E-61	-0.1349	chr5_430201_430400	sig	hypo
chr5	443801	444000	*	1.013E-25	1.733E-25	-0.12014	chr5_443801_444000	sig	hypo
chr5	481401	481600	*	1.353E-75	5.273E-75	-0.20912	chr5_481401_481600	sig	hypo
chr5	493001	493200	*	1.17E-22	1.86E-22	0.162165	chr5_493001_493200	sig	hyper
chr5	501801	502000	*	2.55E-37	5.509E-37	0.112334	chr5_501801_502000	sig	hyper
chr5	506001	506200	*	9.132E-47	2.312E-46	-0.20459	chr5_506001_506200	sig	hypo
chr5	506201	506400	*	2.433E-50	6.519E-50	-0.23373	chr5_506201_506400	sig	hypo
chr5	524001	524200	*	2.22E-131	1.83E-130	0.135318	chr5_524001_524200	sig	hyper
chr5	524601	524800	*	2.734E-27	4.845E-27	0.118869	chr5_524601_524800	sig	hyper
chr5	524801	525000	*	2.64E-43	6.307E-43	0.156253	chr5_524801_525000	sig	hyper
chr5	535801	536000	*	6.315E-78	2.545E-77	-0.2741	chr5_535801_536000	sig	hypo
chr5	539601	539800	*	2.73E-20	4.095E-20	0.14074	chr5_539601_539800	sig	hyper
chr5	601001	601200	*	1.73E-130	1.41E-129	-0.36015	chr5_601001_601200	sig	hypo
chr5	602001	602200	*	1.364E-47	3.501E-47	-0.23105	chr5_602001_602200	sig	hypo
chr5	759601	759800	*	3.104E-62	1E-61	0.186899	chr5_759601_759800	sig	hyper
chr5	777201	777400	*	4.9E-106	2.89E-105	0.240103	chr5_777201_777400	sig	hyper
chr5	843401	843600	*	1.759E-43	4.21E-43	-0.12011	chr5_843401_843600	sig	hypo
chr5	844001	844200	*	2.575E-19	3.764E-19	-0.11505	chr5_844001_844200	sig	hypo
chr5	891201	891400	*	1.181E-25	2.019E-25	-0.15734	chr5_891201_891400	sig	hypo
chr5	958601	958800	*	3.36E-172	4.82E-171	-0.31055	chr5_958601_958800	sig	hypo
chr5	958801	959000	*	1.611E-54	4.616E-54	-0.22397	chr5_958801_959000	sig	hypo
chr5	959001	959200	*	5.73E-164	7.35E-163	-0.29835	chr5_959001_959200	sig	hypo
chr5	965601	965800	*	5.925E-44	1.431E-43	-0.1145	chr5_965601_965800	sig	hypo
chr5	978201	978400	*	1.777E-21	2.743E-21	0.107111	chr5_978201_978400	sig	hyper
chr5	980601	980800	*	1.188E-24	1.983E-24	-0.12514	chr5_980601_980800	sig	hypo
chr5	981601	981800	*	5.026E-24	8.262E-24	0.162179	chr5_981601_981800	sig	hyper
chr5	1003001	1003200	*	1.55E-84	6.855E-84	-0.26261	chr5_1003001_1003200	sig	hypo
chr5	1005601	1005800	*	6.041E-16	8.04E-16	0.107035	chr5_1005601_1005800	sig	hyper
chr5	1021601	1021800	*	6.476E-34	1.31E-33	-0.17098	chr5_1021601_1021800	sig	hypo
chr5	1089601	1089800	*	1.806E-29	3.339E-29	0.13772	chr5_1089601_1089800	sig	hyper
chr5	1093601	1093800	*	2.973E-44	7.216E-44	-0.20832	chr5_1093601_1093800	sig	hypo
chr5	1099401	1099600	*	3.76E-15	4.9E-15	0.13347	chr5_1099401_1099600	sig	hyper
chr5	1100001	1100200	*	3.566E-64	1.185E-63	0.204224	chr5_1100001_1100200	sig	hyper
chr5	1100201	1100400	*	1.8E-244	6.78E-243	0.349254	chr5_1100201_1100400	sig	hyper
chr5	1103201	1103400	*	8.13E-137	7.18E-136	0.288246	chr5_1103201_1103400	sig	hyper
chr5	1107001	1107200	*	9.373E-94	4.693E-93	-0.33126	chr5_1107001_1107200	sig	hypo
chr5	1107601	1107800	*	8.617E-41	1.973E-40	-0.20991	chr5_1107601_1107800	sig	hypo
chr5	1108401	1108600	*	4.377E-18	6.185E-18	-0.1271	chr5_1108401_1108600	sig	hypo

chr5	1118401	1118600	*	2.537E-22	4E-22	-0.15255	chr5_1118401_1118600	sig	hypo
chr5	1119401	1119600	*	8.169E-95	4.162E-94	-0.24751	chr5_1119401_1119600	sig	hypo
chr5	1140001	1140200	*	2.582E-25	4.372E-25	-0.11562	chr5_1140001_1140200	sig	hypo
chr5	1153601	1153800	*	7.536E-37	1.614E-36	-0.19015	chr5_1153601_1153800	sig	hypo
chr5	1190401	1190600	*	2.911E-49	7.687E-49	0.188536	chr5_1190401_1190600	sig	hyper
chr5	1193801	1194000	*	2.763E-70	9.986E-70	-0.19205	chr5_1193801_1194000	sig	hypo
chr5	1194001	1194200	*	9.755E-68	3.4E-67	-0.3063	chr5_1194001_1194200	sig	hypo
chr5	1201801	1202000	*	5.036E-29	9.231E-29	-0.1559	chr5_1201801_1202000	sig	hypo
chr5	1206801	1207000	*	3.162E-46	7.922E-46	0.186004	chr5_1206801_1207000	sig	hyper
chr5	1208801	1209000	*	1.301E-15	1.717E-15	-0.15359	chr5_1208801_1209000	sig	hypo
chr5	1213401	1213600	*	1.466E-16	1.985E-16	-0.11687	chr5_1213401_1213600	sig	hypo
chr5	1217401	1217600	*	4.817E-26	8.308E-26	-0.12539	chr5_1217401_1217600	sig	hypo
chr5	1225401	1225600	*	2.008E-26	3.494E-26	-0.16295	chr5_1225401_1225600	sig	hypo
chr5	1243401	1243600	*	1.145E-56	3.394E-56	0.205086	chr5_1243401_1243600	sig	hyper
chr5	1243601	1243800	*	6.126E-72	2.264E-71	0.153924	chr5_1243601_1243800	sig	hyper
chr5	1282401	1282600	*	1.022E-24	1.709E-24	0.144884	chr5_1282401_1282600	sig	hyper
chr5	1284401	1284600	*	1.119E-28	2.037E-28	-0.15313	chr5_1284401_1284600	sig	hypo
chr5	1291001	1291200	*	1.302E-73	4.916E-73	-0.28002	chr5_1291001_1291200	sig	hypo
chr5	1295401	1295600	*	2.673E-53	7.508E-53	0.263306	chr5_1295401_1295600	sig	hyper
chr5	1295601	1295800	*	3.99E-127	3.11E-126	0.239837	chr5_1295601_1295800	sig	hyper
chr5	1298801	1299000	*	1.009E-29	1.877E-29	0.13368	chr5_1298801_1299000	sig	hyper
chr5	1315801	1316000	*	1.444E-34	2.961E-34	-0.11663	chr5_1315801_1316000	sig	hypo
chr5	1362401	1362600	*	2.148E-28	3.885E-28	-0.10019	chr5_1362401_1362600	sig	hypo
chr5	1362601	1362800	*	1.028E-40	2.351E-40	-0.14808	chr5_1362601_1362800	sig	hypo
chr5	1394201	1394400	*	1.434E-16	1.943E-16	0.126543	chr5_1394201_1394400	sig	hyper
chr5	1394401	1394600	*	1.63E-103	9.25E-103	0.219932	chr5_1394401_1394600	sig	hyper
chr5	1395201	1395400	*	2.455E-57	7.366E-57	0.197276	chr5_1395201_1395400	sig	hyper
chr5	1409601	1409800	*	8.503E-56	2.489E-55	0.159242	chr5_1409601_1409800	sig	hyper
chr5	1444201	1444400	*	1.818E-56	5.373E-56	0.158097	chr5_1444201_1444400	sig	hyper
chr5	1444601	1444800	*	1.5E-173	2.2E-172	0.277455	chr5_1444601_1444800	sig	hyper
chr5	1446001	1446200	*	2.63E-99	1.417E-98	0.249962	chr5_1446001_1446200	sig	hyper
chr5	1494801	1495000	*	4.354E-38	9.526E-38	-0.1777	chr5_1494801_1495000	sig	hypo
chr5	1495001	1495200	*	1.473E-26	2.57E-26	-0.11858	chr5_1495001_1495200	sig	hypo
chr5	1503401	1503600	*	9.132E-35	1.879E-34	-0.16455	chr5_1503401_1503600	sig	hypo
chr5	1549201	1549400	*	2.721E-43	6.499E-43	-0.22672	chr5_1549201_1549400	sig	hypo
chr5	1549401	1549600	*	9.788E-32	1.894E-31	-0.21196	chr5_1549401_1549600	sig	hypo
chr5	1552801	1553000	*	4.62E-142	4.38E-141	0.241887	chr5_1552801_1553000	sig	hyper
chr5	1553001	1553200	*	2.472E-88	1.153E-87	0.194019	chr5_1553001_1553200	sig	hyper
chr5	1555601	1555800	*	1.108E-95	5.71E-95	-0.20647	chr5_1555601_1555800	sig	hypo
chr5	1594401	1594600	*	1.177E-26	2.059E-26	0.101298	chr5_1594401_1594600	sig	hyper
chr5	1608401	1608600	*	1.246E-35	2.605E-35	-0.17039	chr5_1608401_1608600	sig	hypo
chr5	1653801	1654000	*	6.234E-43	1.479E-42	0.108697	chr5_1653801_1654000	sig	hyper
chr5	1658801	1659000	*	1.696E-35	3.539E-35	-0.23333	chr5_1658801_1659000	sig	hypo
chr5	1666801	1667000	*	1.868E-19	2.74E-19	0.132787	chr5_1666801_1667000	sig	hyper
chr5	1667801	1668000	*	2.888E-86	1.306E-85	0.203513	chr5_1667801_1668000	sig	hyper
chr5	1727201	1727400	*	4.846E-32	9.437E-32	-0.13101	chr5_1727201_1727400	sig	hypo
chr5	1746801	1747000	*	1.776E-20	2.675E-20	-0.14441	chr5_1746801_1747000	sig	hypo
chr5	1752401	1752600	*	1.838E-21	2.838E-21	-0.12445	chr5_1752401_1752600	sig	hypo
chr5	1752601	1752800	*	2.951E-73	1.109E-72	-0.28252	chr5_1752601_1752800	sig	hypo
chr5	1764201	1764400	*	5.249E-37	1.127E-36	-0.13623	chr5_1764201_1764400	sig	hypo
chr5	1794001	1794200	*	1.07E-70	3.89E-70	-0.1885	chr5_1794001_1794200	sig	hypo
chr5	1794801	1795000	*	1.149E-18	1.651E-18	-0.10808	chr5_1794801_1795000	sig	hypo
chr5	1852601	1852800	*	9.338E-26	1.6E-25	-0.16286	chr5_1852601_1852800	sig	hypo
chr5	1855601	1855800	*	2.669E-13	3.278E-13	0.10256	chr5_1855601_1855800	sig	hyper
chr5	1855801	1856000	*	4.219E-16	5.632E-16	0.103289	chr5_1855801_1856000	sig	hyper
chr5	1859601	1859800	*	7.374E-68	2.575E-67	-0.17551	chr5_1859601_1859800	sig	hypo

chr5	1860001	1860200	*	1.592E-27	2.835E-27	-0.11428	chr5_1860001_1860200	sig	hypo
chr5	1865401	1865600	*	2.455E-37	5.307E-37	-0.24134	chr5_1865401_1865600	sig	hypo
chr5	1866001	1866200	*	4.025E-14	5.075E-14	-0.11382	chr5_1866001_1866200	sig	hypo
chr5	1876001	1876200	*	1.82E-169	2.51E-168	0.295925	chr5_1876001_1876200	sig	hyper
chr5	1876201	1876400	*	0	0	0.341007	chr5_1876201_1876400	sig	hyper
chr5	1883001	1883200	*	2.309E-83	1.003E-82	0.23536	chr5_1883001_1883200	sig	hyper
chr5	1883401	1883600	*	2.81E-68	9.857E-68	0.180928	chr5_1883401_1883600	sig	hyper
chr5	1884201	1884400	*	1.302E-35	2.722E-35	0.148234	chr5_1884201_1884400	sig	hyper
chr5	1885401	1885600	*	4.09E-162	5.1E-161	0.283891	chr5_1885401_1885600	sig	hyper
chr5	1891601	1891800	*	6.478E-69	2.296E-68	-0.18113	chr5_1891601_1891800	sig	hypo
chr5	1931201	1931400	*	6.9E-120	4.88E-119	0.272384	chr5_1931201_1931400	sig	hyper
chr5	1931401	1931600	*	1.24E-145	1.24E-144	0.263626	chr5_1931401_1931600	sig	hyper
chr5	1948801	1949000	*	1.63E-18	2.332E-18	0.101712	chr5_1948801_1949000	sig	hyper
chr5	1962201	1962400	*	1.026E-29	1.909E-29	-0.1333	chr5_1962201_1962400	sig	hypo
chr5	1973601	1973800	*	8.79E-186	1.51E-184	-0.33288	chr5_1973601_1973800	sig	hypo
chr5	1973801	1974000	*	3.931E-78	1.589E-77	-0.27947	chr5_1973801_1974000	sig	hypo
chr5	2005801	2006000	*	4.287E-31	8.192E-31	0.184085	chr5_2005801_2006000	sig	hyper
chr5	2008001	2008200	*	9.82E-163	1.24E-161	0.262217	chr5_2008001_2008200	sig	hyper
chr5	2008201	2008400	*	9.203E-74	3.488E-73	0.217431	chr5_2008201_2008400	sig	hyper
chr5	2094201	2094400	*	8.688E-23	1.386E-22	-0.11508	chr5_2094201_2094400	sig	hypo
chr5	2103201	2103400	*	1.258E-22	1.998E-22	-0.1487	chr5_2103201_2103400	sig	hypo
chr5	2112201	2112400	*	3.284E-60	1.027E-59	0.120584	chr5_2112201_2112400	sig	hyper
chr5	2129001	2129200	*	1.53E-96	7.973E-96	0.260913	chr5_2129001_2129200	sig	hyper
chr5	2129601	2129800	*	3.449E-37	7.437E-37	0.160075	chr5_2129601_2129800	sig	hyper
chr5	2197001	2197200	*	7.217E-76	2.824E-75	0.236189	chr5_2197001_2197200	sig	hyper
chr5	2206801	2207000	*	1.445E-29	2.678E-29	-0.13883	chr5_2206801_2207000	sig	hypo
chr5	2289001	2289200	*	7.441E-94	3.732E-93	-0.19425	chr5_2289001_2289200	sig	hypo
chr5	2338801	2339000	*	4.085E-34	8.295E-34	-0.16775	chr5_2338801_2339000	sig	hypo
chr5	2387801	2388000	*	1.68E-162	2.1E-161	0.268288	chr5_2387801_2388000	sig	hyper
chr5	2643001	2643200	*	7E-126	5.37E-125	0.263425	chr5_2643001_2643200	sig	hyper
chr5	2683801	2684000	*	4.8E-118	3.32E-117	-0.2906	chr5_2683801_2684000	sig	hypo
chr5	2727601	2727800	*	6.319E-87	2.884E-86	0.235039	chr5_2727601_2727800	sig	hyper
chr5	2739001	2739200	*	1.65E-129	1.32E-128	0.230797	chr5_2739001_2739200	sig	hyper
chr5	2747801	2748000	*	6.23E-108	3.77E-107	0.221392	chr5_2747801_2748000	sig	hyper
chr5	2749601	2749800	*	2.54E-234	8.31E-233	0.354676	chr5_2749601_2749800	sig	hyper
chr5	2752401	2752600	*	3.442E-35	7.142E-35	0.120079	chr5_2752401_2752600	sig	hyper
chr5	2753601	2753800	*	7.37E-180	1.17E-178	0.332718	chr5_2753601_2753800	sig	hyper
chr5	2754601	2754800	*	2.644E-81	1.117E-80	0.180992	chr5_2754601_2754800	sig	hyper
chr5	2755001	2755200	*	3.613E-85	1.61E-84	0.317758	chr5_2755001_2755200	sig	hyper
chr5	2755801	2756000	*	1.26E-165	1.64E-164	0.232774	chr5_2755801_2756000	sig	hyper
chr5	2756801	2757000	*	5.1E-140	4.7E-139	0.179613	chr5_2756801_2757000	sig	hyper
chr5	2757001	2757200	*	1.69E-119	1.19E-118	0.205908	chr5_2757001_2757200	sig	hyper
chr5	2757201	2757400	*	1.563E-85	6.998E-85	0.191723	chr5_2757201_2757400	sig	hyper
chr5	2757801	2758000	*	3.52E-132	2.93E-131	0.268543	chr5_2757801_2758000	sig	hyper
chr5	2915001	2915200	*	8.918E-47	2.258E-46	0.186658	chr5_2915001_2915200	sig	hyper
chr5	3103601	3103800	*	6.72E-73	2.513E-72	0.23675	chr5_3103601_3103800	sig	hyper
chr5	3116401	3116600	*	1.836E-13	2.267E-13	0.111756	chr5_3116401_3116600	sig	hyper
chr5	3116601	3116800	*	1.116E-44	2.728E-44	0.150646	chr5_3116601_3116800	sig	hyper
chr5	3177601	3177800	*	1.204E-30	2.28E-30	-0.10307	chr5_3177601_3177800	sig	hypo
chr5	3181801	3182000	*	2.333E-61	7.406E-61	0.144575	chr5_3181801_3182000	sig	hyper
chr5	3187801	3188000	*	1.05E-25	1.796E-25	0.141411	chr5_3187801_3188000	sig	hyper
chr5	3188001	3188200	*	9.305E-25	1.558E-24	0.140175	chr5_3188001_3188200	sig	hyper
chr5	3197801	3198000	*	4.931E-73	1.848E-72	0.211091	chr5_3197801_3198000	sig	hyper
chr5	3286001	3286200	*	6.704E-33	1.329E-32	-0.10699	chr5_3286001_3286200	sig	hypo
chr5	3301401	3301600	*	9.062E-40	2.039E-39	-0.24708	chr5_3301401_3301600	sig	hypo
chr5	3311201	3311400	*	3.25E-47	8.295E-47	-0.2216	chr5_3311201_3311400	sig	hypo

chr5	3324601	3324800	*	1.559E-16	2.11E-16	-0.10231	chr5_3324601_3324800	sig	hypo
chr5	3325401	3325600	*	1.803E-83	7.845E-83	0.159878	chr5_3325401_3325600	sig	hyper
chr5	3590601	3590800	*	1.44E-120	1.03E-119	0.349835	chr5_3590601_3590800	sig	hyper
chr5	3591001	3591200	*	0	0	0.336707	chr5_3591001_3591200	sig	hyper
chr5	3592401	3592600	*	0	0	0.319259	chr5_3592401_3592600	sig	hyper
chr5	3596801	3597000	*	3.482E-71	1.276E-70	0.327455	chr5_3596801_3597000	sig	hyper
chr5	3597201	3597400	*	1.13E-149	1.2E-148	0.33458	chr5_3597201_3597400	sig	hyper
chr5	3597401	3597600	*	6.18E-123	4.56E-122	0.281376	chr5_3597401_3597600	sig	hyper
chr5	3599401	3599600	*	7.59E-247	2.94E-245	0.34671	chr5_3599401_3599600	sig	hyper
chr5	3599601	3599800	*	5.85E-106	3.44E-105	0.347846	chr5_3599601_3599800	sig	hyper
chr5	3602001	3602200	*	7.2E-211	1.74E-209	0.326256	chr5_3602001_3602200	sig	hyper
chr5	3602201	3602400	*	3.29E-165	4.27E-164	0.321211	chr5_3602201_3602400	sig	hyper
chr5	3602401	3602600	*	6.558E-93	3.241E-92	0.282675	chr5_3602401_3602600	sig	hyper
chr5	3605601	3605800	*	7.336E-28	1.315E-27	0.171731	chr5_3605601_3605800	sig	hyper
chr5	3606401	3606600	*	4.43E-129	3.54E-128	0.270195	chr5_3606401_3606600	sig	hyper
chr5	3606801	3607000	*	5.21E-154	5.83E-153	0.309825	chr5_3606801_3607000	sig	hyper
chr5	3823201	3823400	*	1.608E-31	3.095E-31	-0.11249	chr5_3823201_3823400	sig	hypo
chr5	4230601	4230800	*	1.4E-122	1.02E-121	0.256608	chr5_4230601_4230800	sig	hyper
chr5	4941201	4941400	*	2.164E-40	4.925E-40	-0.12121	chr5_4941201_4941400	sig	hypo
chr5	5139201	5139400	*	7.992E-50	2.124E-49	0.167798	chr5_5139201_5139400	sig	hyper
chr5	5139401	5139600	*	1.095E-66	3.763E-66	0.246098	chr5_5139401_5139600	sig	hyper
chr5	5139601	5139800	*	4.63E-161	5.69E-160	0.3441	chr5_5139601_5139800	sig	hyper
chr5	5146201	5146400	*	3.415E-83	1.481E-82	-0.27591	chr5_5146201_5146400	sig	hypo
chr5	5568401	5568600	*	4.675E-60	1.458E-59	-0.21825	chr5_5568401_5568600	sig	hypo
chr5	5887201	5887400	*	9.084E-26	1.557E-25	0.119486	chr5_5887201_5887400	sig	hyper
chr5	6349201	6349400	*	8.94E-196	1.77E-194	-0.38641	chr5_6349201_6349400	sig	hypo
chr5	6349401	6349600	*	0	0	-0.4698	chr5_6349401_6349600	sig	hypo
chr5	6411201	6411400	*	4.95E-50	1.321E-49	-0.12701	chr5_6411201_6411400	sig	hypo
chr5	6448801	6449000	*	1.15E-163	1.47E-162	0.177096	chr5_6448801_6449000	sig	hyper
chr5	6583401	6583600	*	1.058E-73	4.003E-73	0.10158	chr5_6583401_6583600	sig	hyper
chr5	6583601	6583800	*	5.961E-66	2.028E-65	0.163481	chr5_6583601_6583800	sig	hyper
chr5	6729401	6729600	*	3.97E-102	2.22E-101	-0.29583	chr5_6729401_6729600	sig	hypo
chr5	7396801	7397000	*	4.09E-202	8.86E-201	0.187021	chr5_7396801_7397000	sig	hyper
chr5	7827001	7827200	*	1.698E-24	2.823E-24	-0.14622	chr5_7827001_7827200	sig	hypo
chr5	7849601	7849800	*	1.041E-38	2.302E-38	0.167741	chr5_7849601_7849800	sig	hyper
chr5	7850001	7850200	*	1.98E-52	5.475E-52	0.16387	chr5_7850001_7850200	sig	hyper
chr5	7851201	7851400	*	3.841E-20	5.743E-20	0.118418	chr5_7851201_7851400	sig	hyper
chr5	7983401	7983600	*	4.615E-60	1.439E-59	-0.19294	chr5_7983401_7983600	sig	hypo
chr5	1E+07	1E+07	*	5.148E-33	1.023E-32	-0.11678	chr5_10376401_1037660(	sig	hypo
chr5	1.1E+07	1.1E+07	*	6.823E-12	7.958E-12	-0.10784	chr5_10562201_1056240(	sig	hypo
chr5	1.1E+07	1.1E+07	*	5.96E-154	6.67E-153	0.291023	chr5_10562801_1056300(	sig	hyper
chr5	1.1E+07	1.1E+07	*	2.119E-14	2.694E-14	-0.10541	chr5_10631801_1063200(	sig	hypo
chr5	1.1E+07	1.1E+07	*	5.46E-149	5.72E-148	0.320781	chr5_11384401_1138460(	sig	hyper
chr5	1.1E+07	1.1E+07	*	3.16E-199	6.6E-198	0.31546	chr5_11384601_1138480(	sig	hyper
chr5	1.2E+07	1.2E+07	*	5.202E-50	1.388E-49	0.178904	chr5_11904601_1190480(	sig	hyper
chr5	1.3E+07	1.3E+07	*	1.16E-108	7.11E-108	-0.24228	chr5_12795201_1279540(	sig	hypo
chr5	1.4E+07	1.4E+07	*	1.106E-36	2.36E-36	0.10413	chr5_13810001_1381020(	sig	hyper
chr5	1.4E+07	1.4E+07	*	1.42E-163	1.81E-162	0.399813	chr5_14441001_1444120(	sig	hyper
chr5	1.4E+07	1.4E+07	*	1.247E-17	1.74E-17	0.121239	chr5_14487801_1448800(	sig	hyper
chr5	1.6E+07	1.6E+07	*	1.94E-141	1.83E-140	0.225237	chr5_15500601_1550080(	sig	hyper
chr5	1.6E+07	1.6E+07	*	5.794E-52	1.592E-51	-0.12057	chr5_15928201_1592840(	sig	hypo
chr5	1.6E+07	1.6E+07	*	2.08E-125	1.58E-124	0.270331	chr5_16178801_1617900(	sig	hyper
chr5	1.6E+07	1.6E+07	*	1.08E-169	1.5E-168	0.311474	chr5_16179001_1617920(	sig	hyper
chr5	1.6E+07	1.6E+07	*	1.34E-177	2.05E-176	0.32554	chr5_16180201_1618040(	sig	hyper
chr5	1.7E+07	1.7E+07	*	3.521E-50	9.415E-50	-0.18519	chr5_16937201_1693740(	sig	hypo
chr5	1.7E+07	1.7E+07	*	1.57E-54	4.501E-54	0.124232	chr5_17216801_1721700(	sig	hyper

chr5	1.7E+07	1.7E+07	*	2E-100	1.09E-99	0.134975	chr5_17218401_1721860(	sig	hyper
chr5	1.7E+07	1.7E+07	*	5.512E-42	1.289E-41	0.103461	chr5_17219001_1721920(	sig	hyper
chr5	2E+07	2E+07	*	9.839E-73	3.67E-72	0.219053	chr5_19988201_1998840(	sig	hyper
chr5	2E+07	2E+07	*	6.425E-40	1.45E-39	0.201589	chr5_19988401_1998860(	sig	hyper
chr5	2.4E+07	2.4E+07	*	1.148E-24	1.918E-24	-0.10448	chr5_24170201_2417040(	sig	hypo
chr5	2.6E+07	2.6E+07	*	1.955E-33	3.916E-33	-0.11911	chr5_25909201_2590940(	sig	hypo
chr5	2.6E+07	2.6E+07	*	5.262E-53	1.47E-52	-0.25039	chr5_25911001_2591120(	sig	hypo
chr5	3.1E+07	3.1E+07	*	4.533E-61	1.432E-60	0.211967	chr5_31193601_3119380(	sig	hyper
chr5	3.1E+07	3.1E+07	*	8.67E-150	9.21E-149	0.317737	chr5_31193801_3119400(	sig	hyper
chr5	3.1E+07	3.1E+07	*	3.79E-194	7.32E-193	0.176326	chr5_31194201_3119440(	sig	hyper
chr5	3.1E+07	3.1E+07	*	6.03E-130	4.87E-129	0.190677	chr5_31194601_3119480(	sig	hyper
chr5	3.2E+07	3.2E+07	*	1.667E-32	3.276E-32	0.111155	chr5_31854401_3185460(	sig	hyper
chr5	3.2E+07	3.2E+07	*	5.79E-227	1.71E-225	0.227304	chr5_31855001_3185520(	sig	hyper
chr5	3.2E+07	3.2E+07	*	1.01E-179	1.61E-178	0.320903	chr5_31855201_3185540(	sig	hyper
chr5	3.3E+07	3.3E+07	*	2.627E-28	4.742E-28	-0.10374	chr5_32522601_3252280(	sig	hypo
chr5	3.3E+07	3.3E+07	*	2.09E-127	1.64E-126	-0.23034	chr5_32522801_3252300(	sig	hypo
chr5	3.3E+07	3.3E+07	*	4.426E-51	1.198E-50	-0.14241	chr5_32709001_3270920(	sig	hypo
chr5	3.3E+07	3.3E+07	*	3.354E-36	7.09E-36	-0.15823	chr5_32709201_3270940(	sig	hypo
chr5	3.3E+07	3.3E+07	*	7.591E-37	1.626E-36	0.107285	chr5_32710401_3271060(	sig	hyper
chr5	3.3E+07	3.3E+07	*	2.86E-142	2.72E-141	0.28949	chr5_32712801_3271300(	sig	hyper
chr5	3.3E+07	3.3E+07	*	1.58E-179	2.51E-178	0.315845	chr5_32713201_3271340(	sig	hyper
chr5	3.3E+07	3.3E+07	*	3.94E-175	5.89E-174	-0.29045	chr5_33297801_3329800(	sig	hypo
chr5	3.4E+07	3.4E+07	*	0	0	0.25873	chr5_33936001_3393620(	sig	hyper
chr5	3.4E+07	3.4E+07	*	0	0	0.331695	chr5_33936201_3393640(	sig	hyper
chr5	3.4E+07	3.4E+07	*	1.25E-289	8.09E-288	0.33411	chr5_33936401_3393660(	sig	hyper
chr5	3.4E+07	3.4E+07	*	1.14E-108	6.97E-108	0.295184	chr5_33937001_3393720(	sig	hyper
chr5	3.4E+07	3.4E+07	*	2.426E-49	6.41E-49	0.198941	chr5_33982001_3398220(	sig	hyper
chr5	3.7E+07	3.7E+07	*	1.635E-61	5.211E-61	0.100158	chr5_36690201_3669040(	sig	hyper
chr5	3.7E+07	3.7E+07	*	3.419E-37	7.374E-37	0.197393	chr5_36692801_3669300(	sig	hyper
chr5	3.7E+07	3.7E+07	*	8.099E-66	2.75E-65	0.191121	chr5_36693001_3669320(	sig	hyper
chr5	3.7E+07	3.7E+07	*	4.077E-25	6.871E-25	0.107723	chr5_37249801_3725000(	sig	hyper
chr5	3.7E+07	3.7E+07	*	5.67E-151	6.15E-150	0.133555	chr5_37371401_3737160(	sig	hyper
chr5	3.8E+07	3.8E+07	*	3.36E-90	1.607E-89	0.244444	chr5_37834801_3783500(	sig	hyper
chr5	3.8E+07	3.8E+07	*	6.68E-110	4.16E-109	0.258185	chr5_37835601_3783580(	sig	hyper
chr5	3.8E+07	3.8E+07	*	1.24E-113	8.16E-113	0.280288	chr5_37835801_3783600(	sig	hyper
chr5	3.8E+07	3.8E+07	*	7.14E-109	4.38E-108	0.21014	chr5_37836001_3783620(	sig	hyper
chr5	3.8E+07	3.8E+07	*	0	2.85E-307	0.255648	chr5_37838201_3783840(	sig	hyper
chr5	3.8E+07	3.8E+07	*	1.55E-200	3.3E-199	0.277517	chr5_37838401_3783860(	sig	hyper
chr5	3.8E+07	3.8E+07	*	2.32E-139	2.12E-138	0.214709	chr5_37838601_3783880(	sig	hyper
chr5	3.8E+07	3.8E+07	*	1.18E-243	4.38E-242	0.284464	chr5_37839601_3783980(	sig	hyper
chr5	3.8E+07	3.8E+07	*	4.52E-166	5.93E-165	0.247093	chr5_38258601_3825880(	sig	hyper
chr5	3.9E+07	3.9E+07	*	2.052E-75	7.978E-75	0.13691	chr5_38557001_3855720(	sig	hyper
chr5	3.9E+07	3.9E+07	*	3.97E-153	4.41E-152	0.191878	chr5_38557201_3855740(	sig	hyper
chr5	3.9E+07	3.9E+07	*	4.36E-150	4.67E-149	0.215542	chr5_38557401_3855760(	sig	hyper
chr5	3.9E+07	3.9E+07	*	2.961E-39	6.606E-39	0.132936	chr5_38845601_3884580(	sig	hyper
chr5	3.9E+07	3.9E+07	*	7.458E-75	2.874E-74	0.215068	chr5_38846201_3884640(	sig	hyper
chr5	4E+07	4E+07	*	2.457E-23	3.974E-23	-0.12338	chr5_40066801_4006700(	sig	hypo
chr5	4.2E+07	4.2E+07	*	2.12E-111	1.35E-110	0.249225	chr5_41509601_4150980(	sig	hyper
chr5	4.2E+07	4.2E+07	*	2.25E-173	3.29E-172	0.274014	chr5_41509801_4151000(	sig	hyper
chr5	4.2E+07	4.2E+07	*	2.59E-123	1.92E-122	0.283365	chr5_41510001_4151020(	sig	hyper
chr5	4.2E+07	4.2E+07	*	2.975E-72	1.103E-71	0.153037	chr5_42424201_4242440(	sig	hyper
chr5	4.2E+07	4.2E+07	*	9.65E-124	7.19E-123	0.112514	chr5_42424401_4242460(	sig	hyper
chr5	4.2E+07	4.2E+07	*	1.703E-79	7.028E-79	0.150414	chr5_42424801_4242500(	sig	hyper
chr5	4.3E+07	4.3E+07	*	6.33E-123	4.66E-122	0.232403	chr5_42924001_4292420(	sig	hyper
chr5	4.3E+07	4.3E+07	*	2.89E-107	1.73E-106	0.292107	chr5_42924201_4292440(	sig	hyper
chr5	4.3E+07	4.3E+07	*	0	0	0.414252	chr5_42944201_4294440(	sig	hyper

chr5	4.3E+07	4.3E+07	*	7.737E-35	1.595E-34	-0.15428	chr5_42945001_4294520(	sig	hypo
chr5	4.3E+07	4.3E+07	*	7.14E-42	1.667E-41	0.107855	chr5_42949801_4295000(	sig	hyper
chr5	4.3E+07	4.3E+07	*	1.002E-64	3.352E-64	0.133008	chr5_42951601_4295180(	sig	hyper
chr5	4.3E+07	4.3E+07	*	7.12E-143	6.81E-142	0.169194	chr5_42951801_4295200(	sig	hyper
chr5	4.3E+07	4.3E+07	*	7.44E-170	1.03E-168	0.169305	chr5_42952001_4295220(	sig	hyper
chr5	4.3E+07	4.3E+07	*	1.52E-226	4.44E-225	0.166655	chr5_42952201_4295240(	sig	hyper
chr5	4.3E+07	4.3E+07	*	2.73E-262	1.26E-260	0.402797	chr5_42953401_4295360(	sig	hyper
chr5	4.3E+07	4.3E+07	*	3.29E-126	2.53E-125	0.186854	chr5_42971201_4297140(	sig	hyper
chr5	4.3E+07	4.3E+07	*	1.647E-81	6.972E-81	0.213176	chr5_42993801_4299400(	sig	hyper
chr5	4.3E+07	4.3E+07	*	5.08E-110	3.17E-109	0.214435	chr5_42994001_4299420(	sig	hyper
chr5	4.3E+07	4.3E+07	*	9.519E-37	2.034E-36	0.16205	chr5_42995401_4299560(	sig	hyper
chr5	4.3E+07	4.3E+07	*	3.092E-97	1.628E-96	-0.19739	chr5_43019801_4302000(	sig	hypo
chr5	4.3E+07	4.3E+07	*	6.13E-148	6.31E-147	0.247695	chr5_43033801_4303400(	sig	hyper
chr5	4.3E+07	4.3E+07	*	0	0	0.348608	chr5_43034001_4303420(	sig	hyper
chr5	4.3E+07	4.3E+07	*	7.13E-136	6.2E-135	0.379082	chr5_43034201_4303440(	sig	hyper
chr5	4.3E+07	4.3E+07	*	1.03E-106	6.15E-106	0.249525	chr5_43034401_4303460(	sig	hyper
chr5	4.3E+07	4.3E+07	*	1.29E-35	2.696E-35	0.126322	chr5_43037201_4303740(	sig	hyper
chr5	4.3E+07	4.3E+07	*	3.65E-89	1.722E-88	0.202919	chr5_43037401_4303760(	sig	hyper
chr5	4.3E+07	4.3E+07	*	3.91E-126	3.01E-125	0.293017	chr5_43044401_4304460(	sig	hyper
chr5	4.3E+07	4.3E+07	*	1.3E-223	3.69E-222	0.162886	chr5_43192801_4319300(	sig	hyper
chr5	4.4E+07	4.4E+07	*	9.49E-234	3.04E-232	0.264675	chr5_44388801_4438900(	sig	hyper
chr5	4.4E+07	4.4E+07	*	2.04E-218	5.46E-217	0.292963	chr5_44389601_4438980(	sig	hyper
chr5	4.6E+07	4.6E+07	*	3.26E-158	3.85E-157	0.338305	chr5_45695001_4569520(	sig	hyper
chr5	4.6E+07	4.6E+07	*	4.589E-82	1.96E-81	0.273915	chr5_45695201_4569540(	sig	hyper
chr5	4.6E+07	4.6E+07	*	3.84E-142	3.65E-141	0.291482	chr5_45696201_4569640(	sig	hyper
chr5	4.6E+07	4.6E+07	*	1.23E-103	7E-103	0.30186	chr5_45696401_4569660(	sig	hyper
chr5	5.1E+07	5.1E+07	*	1.375E-53	3.88E-53	0.1316	chr5_50964001_5096420(	sig	hyper
chr5	5.1E+07	5.1E+07	*	8.492E-78	3.417E-77	0.151287	chr5_50964201_5096440(	sig	hyper
chr5	5.1E+07	5.1E+07	*	3.13E-171	4.43E-170	0.255115	chr5_50969801_5097000(	sig	hyper
chr5	5.1E+07	5.1E+07	*	6.527E-24	1.07E-23	0.142657	chr5_51377201_5137740(	sig	hyper
chr5	5.1E+07	5.1E+07	*	7.64E-14	9.541E-14	0.13641	chr5_51377401_5137760(	sig	hyper
chr5	5.1E+07	5.1E+07	*	1.382E-59	4.276E-59	0.162404	chr5_51377801_5137800(	sig	hyper
chr5	5.1E+07	5.1E+07	*	2.845E-27	5.04E-27	0.135926	chr5_51378001_5137820(	sig	hyper
chr5	5.1E+07	5.1E+07	*	7.53E-20	1.116E-19	0.126584	chr5_51378201_5137840(	sig	hyper
chr5	5.1E+07	5.1E+07	*	8.69E-176	1.31E-174	0.243949	chr5_51382601_5138280(	sig	hyper
chr5	5.1E+07	5.1E+07	*	3.976E-38	8.705E-38	0.118082	chr5_51382801_5138300(	sig	hyper
chr5	5.1E+07	5.1E+07	*	5.7E-137	5.04E-136	0.250208	chr5_51387401_5138760(	sig	hyper
chr5	5.1E+07	5.1E+07	*	2.76E-136	2.41E-135	0.261615	chr5_51387601_5138780(	sig	hyper
chr5	5.1E+07	5.1E+07	*	8.91E-211	2.15E-209	0.288942	chr5_51389601_5138980(	sig	hyper
chr5	5.1E+07	5.1E+07	*	4.54E-173	6.59E-172	0.293195	chr5_51389801_5139000(	sig	hyper
chr5	5.1E+07	5.1E+07	*	5.629E-51	1.521E-50	0.18029	chr5_51390401_5139060(	sig	hyper
chr5	5.1E+07	5.1E+07	*	2.598E-49	6.862E-49	0.131022	chr5_51399001_5139920(	sig	hyper
chr5	5.1E+07	5.1E+07	*	5.57E-50	1.485E-49	0.162422	chr5_51399201_5139940(	sig	hyper
chr5	5.1E+07	5.1E+07	*	1.89E-140	1.75E-139	0.170696	chr5_51399401_5139960(	sig	hyper
chr5	5.3E+07	5.3E+07	*	2.485E-51	6.751E-51	0.112363	chr5_53480801_5348100(	sig	hyper
chr5	5.5E+07	5.5E+07	*	1.577E-24	2.624E-24	-0.14737	chr5_54646401_5464660(	sig	hypo
chr5	5.5E+07	5.5E+07	*	1.224E-91	5.965E-91	0.203683	chr5_54883601_5488380(	sig	hyper
chr5	5.5E+07	5.5E+07	*	4.18E-105	2.43E-104	0.213766	chr5_54883801_5488400(	sig	hyper
chr5	5.5E+07	5.5E+07	*	5.47E-139	4.96E-138	0.229474	chr5_55220601_5522080(	sig	hyper
chr5	5.5E+07	5.5E+07	*	8.19E-150	8.71E-149	0.32899	chr5_55221001_5522120(	sig	hyper
chr5	5.5E+07	5.5E+07	*	4.82E-190	8.81E-189	0.370379	chr5_55222801_5522300(	sig	hyper
chr5	5.5E+07	5.5E+07	*	2.21E-224	6.33E-223	0.348646	chr5_55223001_5522320(	sig	hyper
chr5	5.5E+07	5.5E+07	*	2.98E-195	5.86E-194	0.359516	chr5_55223201_5522340(	sig	hyper
chr5	5.5E+07	5.5E+07	*	1.062E-44	2.597E-44	0.183786	chr5_55228001_5522820(	sig	hyper
chr5	5.5E+07	5.5E+07	*	6.606E-26	1.136E-25	-0.12252	chr5_55234601_5523480(	sig	hypo
chr5	5.6E+07	5.6E+07	*	1.084E-55	3.169E-55	0.18841	chr5_55822001_5582220(	sig	hyper

chr5	5.9E+07	5.9E+07	*	9.57E-215	2.44E-213	0.19257	chr5_58582401_5858260(	sig	hyper
chr5	5.9E+07	5.9E+07	*	1.854E-87	8.529E-87	0.174896	chr5_58583201_5858340(	sig	hyper
chr5	5.9E+07	5.9E+07	*	1.74E-110	1.09E-109	0.299094	chr5_58583601_5858380(	sig	hyper
chr5	6E+07	6E+07	*	1.56E-212	3.89E-211	0.240892	chr5_59893801_5989400(	sig	hyper
chr5	6E+07	6E+07	*	3.88E-187	6.85E-186	0.22263	chr5_59894001_5989420(	sig	hyper
chr5	6.2E+07	6.2E+07	*	1.741E-76	6.877E-76	0.266861	chr5_61631801_6163200(	sig	hyper
chr5	6.4E+07	6.4E+07	*	2.08E-87	9.557E-87	0.35512	chr5_63959201_6395940(	sig	hyper
chr5	6.4E+07	6.4E+07	*	4.165E-83	1.804E-82	0.222453	chr5_63960401_6396060(	sig	hyper
chr5	6.4E+07	6.4E+07	*	1.218E-88	5.716E-88	0.294508	chr5_63961001_6396120(	sig	hyper
chr5	6.4E+07	6.4E+07	*	3.114E-77	1.243E-76	0.248941	chr5_63961601_6396180(	sig	hyper
chr5	6.4E+07	6.4E+07	*	2.83E-111	1.8E-110	0.273185	chr5_63962001_6396220(	sig	hyper
chr5	6.5E+07	6.5E+07	*	4.772E-37	1.025E-36	0.164486	chr5_64505801_6450600(	sig	hyper
chr5	6.5E+07	6.5E+07	*	1.813E-37	3.927E-37	0.164281	chr5_64506001_6450620(	sig	hyper
chr5	6.5E+07	6.5E+07	*	3.13E-284	1.9E-282	0.25959	chr5_64506401_6450660(	sig	hyper
chr5	6.5E+07	6.5E+07	*	5.48E-115	3.67E-114	0.212985	chr5_64506601_6450680(	sig	hyper
chr5	6.5E+07	6.5E+07	*	4.68E-60	1.459E-59	0.252249	chr5_64507001_6450720(	sig	hyper
chr5	6.5E+07	6.5E+07	*	8.243E-30	1.535E-29	0.190173	chr5_64690201_6469040(	sig	hyper
chr5	6.7E+07	6.7E+07	*	2.79E-132	2.32E-131	0.100546	chr5_66597401_6659760(	sig	hyper
chr5	6.7E+07	6.7E+07	*	3.209E-33	6.405E-33	-0.16268	chr5_67166001_6716620(	sig	hypo
chr5	6.8E+07	6.8E+07	*	1.44E-56	4.26E-56	0.236058	chr5_68187801_6818800(	sig	hyper
chr5	6.9E+07	6.9E+07	*	1.288E-38	2.843E-38	-0.18815	chr5_69415801_6941600(	sig	hypo
chr5	7.2E+07	7.2E+07	*	8.4E-189	1.52E-187	0.343784	chr5_71719001_7171920(	sig	hyper
chr5	7.2E+07	7.2E+07	*	1.44E-196	2.88E-195	0.3306	chr5_71719601_7171980(	sig	hyper
chr5	7.2E+07	7.2E+07	*	1.353E-52	3.756E-52	0.186443	chr5_72108001_7210820(	sig	hyper
chr5	7.3E+07	7.3E+07	*	2.643E-60	8.275E-60	-0.14993	chr5_73119801_7312000(	sig	hypo
chr5	7.3E+07	7.3E+07	*	5.965E-55	1.72E-54	0.217151	chr5_73230801_7323100(	sig	hyper
chr5	7.3E+07	7.3E+07	*	3.83E-28	6.896E-28	0.114597	chr5_73231001_7323120(	sig	hyper
chr5	7.3E+07	7.3E+07	*	3.31E-84	1.456E-83	0.25097	chr5_73232201_7323240(	sig	hyper
chr5	7.3E+07	7.3E+07	*	4.199E-22	6.582E-22	0.138492	chr5_73232801_7323300(	sig	hyper
chr5	7.3E+07	7.3E+07	*	2.297E-47	5.877E-47	0.135951	chr5_73233801_7323400(	sig	hyper
chr5	7.3E+07	7.3E+07	*	7.86E-99	4.21E-98	0.124746	chr5_73234001_7323420(	sig	hyper
chr5	7.3E+07	7.3E+07	*	1.33E-185	2.28E-184	0.230422	chr5_73298601_7329880(	sig	hyper
chr5	7.3E+07	7.3E+07	*	1.581E-38	3.487E-38	0.108282	chr5_73299201_7329940(	sig	hyper
chr5	7.3E+07	7.3E+07	*	9.147E-41	2.094E-40	0.124751	chr5_73299401_7329960(	sig	hyper
chr5	7.3E+07	7.3E+07	*	1.667E-83	7.265E-83	0.219536	chr5_73299601_7329980(	sig	hyper
chr5	7.3E+07	7.3E+07	*	7.51E-207	1.71E-205	0.233307	chr5_73299801_7330000(	sig	hyper
chr5	7.3E+07	7.3E+07	*	2.388E-73	8.991E-73	0.127649	chr5_73300801_7330100(	sig	hyper
chr5	7.3E+07	7.3E+07	*	4E-106	2.36E-105	0.167189	chr5_73301001_7330120(	sig	hyper
chr5	7.3E+07	7.3E+07	*	1.99E-110	1.25E-109	0.238145	chr5_73301201_7330140(	sig	hyper
chr5	7.3E+07	7.3E+07	*	4.577E-54	1.303E-53	0.233715	chr5_73301401_7330160(	sig	hyper
chr5	7.3E+07	7.3E+07	*	4.402E-34	8.932E-34	0.149984	chr5_73301801_7330200(	sig	hyper
chr5	7.3E+07	7.3E+07	*	3.488E-61	1.104E-60	0.148159	chr5_73303001_7330320(	sig	hyper
chr5	7.3E+07	7.3E+07	*	4.45E-128	3.51E-127	0.274205	chr5_73311601_7331180(	sig	hyper
chr5	7.3E+07	7.3E+07	*	1.74E-28	3.154E-28	-0.10785	chr5_73380201_7338040(	sig	hypo
chr5	7.3E+07	7.3E+07	*	7.001E-89	3.293E-88	0.228783	chr5_73381401_7338160(	sig	hyper
chr5	7.3E+07	7.3E+07	*	1.049E-71	3.864E-71	0.191719	chr5_73382201_7338240(	sig	hyper
chr5	7.3E+07	7.3E+07	*	1.259E-60	3.958E-60	0.141248	chr5_73419601_7341980(	sig	hyper
chr5	7.3E+07	7.3E+07	*	3.03E-248	1.19E-246	0.254557	chr5_73420001_7342020(	sig	hyper
chr5	7.3E+07	7.3E+07	*	7.764E-79	3.173E-78	0.18971	chr5_73420201_7342040(	sig	hyper
chr5	7.3E+07	7.3E+07	*	1.893E-30	3.569E-30	0.246169	chr5_73436001_7343620(	sig	hyper
chr5	7.3E+07	7.3E+07	*	1.689E-54	4.836E-54	0.20672	chr5_73436201_7343640(	sig	hyper
chr5	7.3E+07	7.3E+07	*	5.79E-145	5.7E-144	0.302137	chr5_73444601_7344480(	sig	hyper
chr5	7.3E+07	7.3E+07	*	6.86E-234	2.2E-232	0.289899	chr5_73444801_7344500(	sig	hyper
chr5	7.4E+07	7.4E+07	*	7.189E-48	1.853E-47	-0.18503	chr5_73627001_7362720(	sig	hypo
chr5	7.5E+07	7.5E+07	*	1.349E-20	2.039E-20	-0.12789	chr5_74867001_7486720(	sig	hypo
chr5	7.6E+07	7.6E+07	*	4.29E-45	1.054E-44	0.212585	chr5_76081801_7608200(	sig	hyper

chr5	7.6E+07	7.6E+07	*	3.31E-182	5.41E-181	0.177605	chr5_76082001_7608220(	sig	hyper
chr5	7.6E+07	7.6E+07	*	2.83E-178	4.38E-177	0.189416	chr5_76085001_7608520(	sig	hyper
chr5	7.7E+07	7.7E+07	*	2.058E-35	4.287E-35	-0.12648	chr5_76714601_7671480(	sig	hypo
chr5	7.7E+07	7.7E+07	*	6.503E-46	1.62E-45	0.149684	chr5_76716601_7671680(	sig	hyper
chr5	7.7E+07	7.7E+07	*	8.093E-57	2.405E-56	0.178389	chr5_76716801_7671700(	sig	hyper
chr5	7.7E+07	7.7E+07	*	1.715E-25	2.917E-25	0.196139	chr5_76954601_7695480(	sig	hyper
chr5	7.7E+07	7.7E+07	*	4.66E-61	1.472E-60	0.192307	chr5_77211601_7721180(	sig	hyper
chr5	7.7E+07	7.7E+07	*	6.324E-23	1.013E-22	0.139867	chr5_77211801_7721200(	sig	hyper
chr5	7.8E+07	7.8E+07	*	1.109E-17	1.55E-17	0.186221	chr5_77627801_7762800(	sig	hyper
chr5	7.8E+07	7.8E+07	*	4.17E-145	4.12E-144	0.184893	chr5_77629601_7762980(	sig	hyper
chr5	7.8E+07	7.8E+07	*	2.19E-103	1.24E-102	0.259544	chr5_77632601_7763280(	sig	hyper
chr5	7.8E+07	7.8E+07	*	9.261E-77	3.673E-76	0.249549	chr5_77632801_7763300(	sig	hyper
chr5	7.8E+07	7.8E+07	*	3.05E-113	1.99E-112	0.255145	chr5_77638401_7763860(	sig	hyper
chr5	7.8E+07	7.8E+07	*	1.94E-256	8.46E-255	0.26461	chr5_77638801_7763900(	sig	hyper
chr5	7.8E+07	7.8E+07	*	2.419E-91	1.175E-90	0.321639	chr5_77639001_7763920(	sig	hyper
chr5	7.8E+07	7.8E+07	*	4.671E-82	1.995E-81	0.275293	chr5_77639201_7763940(	sig	hyper
chr5	7.8E+07	7.8E+07	*	2.38E-202	5.19E-201	0.241181	chr5_77643601_7764380(	sig	hyper
chr5	7.8E+07	7.8E+07	*	1.238E-80	5.178E-80	0.184628	chr5_77844401_7784460(	sig	hyper
chr5	7.8E+07	7.8E+07	*	1.42E-106	8.42E-106	0.295445	chr5_77851001_7785120(	sig	hyper
chr5	7.8E+07	7.8E+07	*	2.09E-117	1.44E-116	0.305654	chr5_77851201_7785140(	sig	hyper
chr5	7.8E+07	7.8E+07	*	2.16E-144	2.11E-143	0.271233	chr5_77972401_7797260(	sig	hyper
chr5	7.8E+07	7.8E+07	*	2.626E-53	7.377E-53	0.220404	chr5_77973001_7797320(	sig	hyper
chr5	7.8E+07	7.8E+07	*	4.73E-39	1.052E-38	0.148428	chr5_77973401_7797360(	sig	hyper
chr5	7.9E+07	7.9E+07	*	1.29E-206	2.92E-205	0.318664	chr5_79069801_7907000(	sig	hyper
chr5	7.9E+07	7.9E+07	*	5.027E-40	1.136E-39	-0.19137	chr5_79111401_7911160(	sig	hypo
chr5	8E+07	8E+07	*	8.79E-178	1.35E-176	0.410595	chr5_79690001_7969020(	sig	hyper
chr5	8E+07	8E+07	*	2.14E-184	3.6E-183	0.405608	chr5_79690201_7969040(	sig	hyper
chr5	8E+07	8E+07	*	2.215E-48	5.759E-48	0.220671	chr5_80034801_8003500(	sig	hyper
chr5	8.1E+07	8.1E+07	*	3.228E-48	8.371E-48	0.183562	chr5_81394401_8139460(	sig	hyper
chr5	8.1E+07	8.1E+07	*	9.107E-52	2.494E-51	0.197953	chr5_81394601_8139480(	sig	hyper
chr5	8.3E+07	8.3E+07	*	2.39E-133	2.02E-132	0.234326	chr5_83471401_8347160(	sig	hyper
chr5	8.3E+07	8.3E+07	*	1.12E-157	1.31E-156	0.240295	chr5_83471601_8347180(	sig	hyper
chr5	8.3E+07	8.3E+07	*	2.86E-164	3.67E-163	0.323481	chr5_83471801_8347200(	sig	hyper
chr5	8.3E+07	8.3E+07	*	2.89E-209	6.82E-208	0.194274	chr5_83473001_8347320(	sig	hyper
chr5	8.3E+07	8.3E+07	*	7.11E-133	5.97E-132	0.213956	chr5_83473201_8347340(	sig	hyper
chr5	8.4E+07	8.4E+07	*	1.845E-28	3.343E-28	-0.17902	chr5_83720801_8372100(	sig	hypo
chr5	8.4E+07	8.4E+07	*	3.656E-55	1.058E-54	0.145996	chr5_84382801_8438300(	sig	hyper
chr5	8.4E+07	8.4E+07	*	1.648E-70	5.972E-70	0.166752	chr5_84383801_8438400(	sig	hyper
chr5	8.4E+07	8.4E+07	*	5.864E-90	2.795E-89	0.182917	chr5_84384401_8438460(	sig	hyper
chr5	8.6E+07	8.6E+07	*	4.008E-49	1.056E-48	-0.1675	chr5_85647601_8564780(	sig	hypo
chr5	8.9E+07	8.9E+07	*	3.416E-44	8.283E-44	-0.10344	chr5_88602601_8860280(	sig	hypo
chr5	8.9E+07	8.9E+07	*	1.97E-101	1.09E-100	-0.23239	chr5_88602801_8860300(	sig	hypo
chr5	8.9E+07	8.9E+07	*	1.112E-87	5.134E-87	0.235881	chr5_88659801_8866000(	sig	hyper
chr5	8.9E+07	8.9E+07	*	1.279E-98	6.833E-98	0.288659	chr5_88660001_8866020(	sig	hyper
chr5	8.9E+07	8.9E+07	*	2.67E-111	1.7E-110	0.119966	chr5_88660601_8866080(	sig	hyper
chr5	8.9E+07	8.9E+07	*	1.04E-84	4.61E-84	0.229017	chr5_88672201_8867240(	sig	hyper
chr5	8.9E+07	8.9E+07	*	2.511E-47	6.417E-47	0.187586	chr5_88672601_8867280(	sig	hyper
chr5	8.9E+07	8.9E+07	*	2.1E-241	7.53E-240	0.272811	chr5_88672801_8867300(	sig	hyper
chr5	8.9E+07	8.9E+07	*	2.19E-216	5.73E-215	0.338841	chr5_88678001_8867820(	sig	hyper
chr5	8.9E+07	8.9E+07	*	3.13E-212	7.75E-211	0.29379	chr5_88678201_8867840(	sig	hyper
chr5	8.9E+07	8.9E+07	*	0	0	0.366314	chr5_88678601_8867880(	sig	hyper
chr5	8.9E+07	8.9E+07	*	4.316E-33	8.585E-33	0.110944	chr5_88683601_8868380(	sig	hyper
chr5	8.9E+07	8.9E+07	*	2.685E-43	6.413E-43	0.156473	chr5_88683801_8868400(	sig	hyper
chr5	8.9E+07	8.9E+07	*	4.65E-107	2.78E-106	0.273657	chr5_88684401_8868460(	sig	hyper
chr5	8.9E+07	8.9E+07	*	3.251E-65	1.094E-64	0.153602	chr5_88685001_8868520(	sig	hyper
chr5	8.9E+07	8.9E+07	*	2.12E-277	1.19E-275	0.214754	chr5_88685201_8868540(	sig	hyper

chr5	8.9E+07	8.9E+07	*	1.319E-55	3.849E-55	0.225168	chr5_88689401_8868960(	sig	hyper
chr5	8.9E+07	8.9E+07	*	1.012E-84	4.487E-84	0.261217	chr5_88689601_8868980(	sig	hyper
chr5	8.9E+07	8.9E+07	*	2.336E-81	9.877E-81	0.267097	chr5_88689801_8869000(	sig	hyper
chr5	8.9E+07	8.9E+07	*	1E-73	3.787E-73	0.167425	chr5_88690201_8869040(	sig	hyper
chr5	8.9E+07	8.9E+07	*	9.452E-40	2.126E-39	0.169727	chr5_88694201_8869440(	sig	hyper
chr5	8.9E+07	8.9E+07	*	7.056E-81	2.96E-80	0.263033	chr5_88695201_8869540(	sig	hyper
chr5	8.9E+07	8.9E+07	*	5.993E-40	1.353E-39	0.1939	chr5_88695401_8869560(	sig	hyper
chr5	8.9E+07	8.9E+07	*	2.753E-58	8.349E-58	0.24899	chr5_88889201_8888940(	sig	hyper
chr5	8.9E+07	8.9E+07	*	5.897E-66	2.007E-65	0.242925	chr5_88889401_8888960(	sig	hyper
chr5	8.9E+07	8.9E+07	*	4.005E-88	1.862E-87	0.222679	chr5_88889801_8889000(	sig	hyper
chr5	9.1E+07	9.1E+07	*	5.866E-57	1.746E-56	0.119604	chr5_90558401_9055860(	sig	hyper
chr5	9.4E+07	9.4E+07	*	9.818E-32	1.9E-31	0.240504	chr5_93573001_9357320(	sig	hyper
chr5	9.4E+07	9.4E+07	*	6.193E-17	8.472E-17	0.106622	chr5_93602001_9360220(	sig	hyper
chr5	9.4E+07	9.4E+07	*	1.443E-19	2.123E-19	0.103673	chr5_93602401_9360260(	sig	hyper
chr5	9.4E+07	9.4E+07	*	8.428E-28	1.509E-27	-0.16528	chr5_93602601_9360280(	sig	hypo
chr5	9.5E+07	9.5E+07	*	6.76E-133	5.68E-132	0.129326	chr5_95285201_9528540(	sig	hyper
chr5	9.6E+07	9.6E+07	*	5.625E-55	1.623E-54	-0.20954	chr5_95843001_9584320(	sig	hypo
chr5	9.9E+07	9.9E+07	*	3.642E-36	7.69E-36	0.166412	chr5_98839401_9883960(	sig	hyper
chr5	1E+08	1E+08	*	2.314E-63	7.592E-63	0.142644	chr5_100901001_1009012	sig	hyper
chr5	1E+08	1E+08	*	6.062E-42	1.417E-41	0.135745	chr5_102295801_102296(	sig	hyper
chr5	1.1E+08	1.1E+08	*	6.543E-89	3.078E-88	0.209765	chr5_111070601_111070(	sig	hyper
chr5	1.1E+08	1.1E+08	*	2.51E-131	2.07E-130	0.228872	chr5_111070801_111071(	sig	hyper
chr5	1.1E+08	1.1E+08	*	1.893E-16	2.557E-16	0.135651	chr5_111223601_111223(	sig	hyper
chr5	1.1E+08	1.1E+08	*	6.859E-82	2.921E-81	0.164008	chr5_111223801_111224(	sig	hyper
chr5	1.1E+08	1.1E+08	*	1.188E-69	4.251E-69	0.141333	chr5_113294201_113294	sig	hyper
chr5	1.1E+08	1.1E+08	*	2.032E-40	4.627E-40	-0.14114	chr5_113433401_113433(	sig	hypo
chr5	1.1E+08	1.1E+08	*	1.095E-16	1.489E-16	0.101799	chr5_113487401_113487(	sig	hyper
chr5	1.1E+08	1.1E+08	*	9.258E-48	2.383E-47	0.175898	chr5_113487601_113487(	sig	hyper
chr5	1.1E+08	1.1E+08	*	8.53E-261	3.89E-259	0.298614	chr5_114055801_114056(	sig	hyper
chr5	1.1E+08	1.1E+08	*	6.193E-81	2.6E-80	0.225027	chr5_114056001_114056	sig	hyper
chr5	1.1E+08	1.1E+08	*	1.28E-104	7.39E-104	0.228589	chr5_114056201_114056	sig	hyper
chr5	1.1E+08	1.1E+08	*	1.46E-29	2.705E-29	0.110476	chr5_114363001_114363	sig	hyper
chr5	1.1E+08	1.1E+08	*	1.383E-65	4.683E-65	0.152379	chr5_114363401_114363(	sig	hyper
chr5	1.1E+08	1.1E+08	*	2.941E-55	8.528E-55	0.16356	chr5_114363601_114363(	sig	hyper
chr5	1.2E+08	1.2E+08	*	6.255E-20	9.294E-20	-0.12504	chr5_115171201_115171	sig	hypo
chr5	1.2E+08	1.2E+08	*	2.207E-21	3.4E-21	0.115038	chr5_115602601_115602(	sig	hyper
chr5	1.2E+08	1.2E+08	*	0	0	0.324755	chr5_115816601_115816(	sig	hyper
chr5	1.2E+08	1.2E+08	*	1.15E-121	8.34E-121	0.3575	chr5_115961801_115962(	sig	hyper
chr5	1.2E+08	1.2E+08	*	2.73E-236	9.11E-235	0.324375	chr5_115962001_115962	sig	hyper
chr5	1.2E+08	1.2E+08	*	5.16E-122	3.76E-121	0.298508	chr5_115962201_115962	sig	hyper
chr5	1.2E+08	1.2E+08	*	1.84E-110	1.15E-109	0.282004	chr5_115963201_115963	sig	hyper
chr5	1.2E+08	1.2E+08	*	9.574E-73	3.572E-72	0.18324	chr5_116576401_116576(	sig	hyper
chr5	1.2E+08	1.2E+08	*	4.542E-72	1.682E-71	-0.22095	chr5_119355201_119355	sig	hypo
chr5	1.2E+08	1.2E+08	*	1.166E-82	5.021E-82	-0.2734	chr5_119355401_119355(	sig	hypo
chr5	1.2E+08	1.2E+08	*	1.718E-33	3.445E-33	-0.1552	chr5_123087601_123087(	sig	hypo
chr5	1.2E+08	1.2E+08	*	2.547E-48	6.619E-48	0.179332	chr5_123090001_123090	sig	hyper
chr5	1.2E+08	1.2E+08	*	1.985E-18	2.832E-18	0.112139	chr5_123095001_123095	sig	hyper
chr5	1.2E+08	1.2E+08	*	2.423E-46	6.088E-46	-0.14595	chr5_123099801_123100(	sig	hypo
chr5	1.2E+08	1.2E+08	*	4.173E-73	1.566E-72	0.156594	chr5_123285401_123285(	sig	hyper
chr5	1.2E+08	1.2E+08	*	1.518E-16	2.055E-16	0.129321	chr5_124744201_124744	sig	hyper
chr5	1.3E+08	1.3E+08	*	1.588E-32	3.123E-32	0.153254	chr5_127031601_127031(	sig	hyper
chr5	1.3E+08	1.3E+08	*	5.96E-113	3.88E-112	0.13615	chr5_127290801_127291(	sig	hyper
chr5	1.3E+08	1.3E+08	*	1.94E-231	6.02E-230	0.238978	chr5_128536201_128536	sig	hyper
chr5	1.3E+08	1.3E+08	*	4.14E-178	6.39E-177	0.262397	chr5_128536401_128536(	sig	hyper
chr5	1.3E+08	1.3E+08	*	0	0	0.253387	chr5_128537601_128537(	sig	hyper
chr5	1.3E+08	1.3E+08	*	1.34E-283	8.02E-282	0.301837	chr5_128537801_128538(	sig	hyper

chr5	1.3E+08	1.3E+08	*	6.46E-139	5.86E-138	0.323702	chr5_128538001_128538	sig	hyper
chr5	1.3E+08	1.3E+08	*	5.32E-94	2.674E-93	0.260492	chr5_128538801_128539	sig	hyper
chr5	1.3E+08	1.3E+08	*	9.53E-118	6.58E-117	0.280667	chr5_128965601_128965	sig	hyper
chr5	1.3E+08	1.3E+08	*	2.809E-44	6.821E-44	0.246407	chr5_129459801_129460	sig	hyper
chr5	1.3E+08	1.3E+08	*	7.14E-115	4.78E-114	0.123782	chr5_131945601_131945	sig	hyper
chr5	1.3E+08	1.3E+08	*	1.056E-22	1.681E-22	0.189661	chr5_132011001_132011	sig	hyper
chr5	1.3E+08	1.3E+08	*	4.794E-57	1.43E-56	0.245316	chr5_132257201_132257	sig	hyper
chr5	1.3E+08	1.3E+08	*	2.26E-161	2.79E-160	0.243275	chr5_132257401_132257	sig	hyper
chr5	1.3E+08	1.3E+08	*	6.2E-120	4.39E-119	0.340593	chr5_132258001_132258	sig	hyper
chr5	1.3E+08	1.3E+08	*	6.483E-13	7.856E-13	-0.11399	chr5_132271201_132271	sig	hypo
chr5	1.3E+08	1.3E+08	*	5.16E-49	1.356E-48	-0.14456	chr5_132389601_132389	sig	hypo
chr5	1.3E+08	1.3E+08	*	3.45E-115	2.32E-114	-0.29342	chr5_132748201_132748	sig	hypo
chr5	1.3E+08	1.3E+08	*	1.185E-53	3.347E-53	0.238239	chr5_132771601_132771	sig	hyper
chr5	1.3E+08	1.3E+08	*	1.036E-19	1.529E-19	-0.11262	chr5_132819401_132819	sig	hypo
chr5	1.3E+08	1.3E+08	*	2.47E-108	1.5E-107	0.18809	chr5_132823001_132823	sig	hyper
chr5	1.3E+08	1.3E+08	*	1.093E-76	4.329E-76	0.126679	chr5_133611401_133611	sig	hyper
chr5	1.3E+08	1.3E+08	*	0	0	0.332761	chr5_134113801_134114	sig	hyper
chr5	1.3E+08	1.3E+08	*	6.57E-175	9.78E-174	0.32697	chr5_134114001_134114	sig	hyper
chr5	1.3E+08	1.3E+08	*	2.27E-32	4.448E-32	-0.17161	chr5_134115601_134115	sig	hypo
chr5	1.3E+08	1.3E+08	*	1.301E-49	3.449E-49	0.190136	chr5_134923801_134924	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.893E-66	6.483E-66	0.231923	chr5_135027601_135027	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.71E-136	1.5E-135	0.361384	chr5_135028201_135028	sig	hyper
chr5	1.4E+08	1.4E+08	*	8.42E-106	4.94E-105	0.36369	chr5_135028801_135029	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.755E-66	1.62E-65	0.24993	chr5_135029201_135029	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.037E-45	2.574E-45	0.140949	chr5_135031201_135031	sig	hyper
chr5	1.4E+08	1.4E+08	*	6.451E-20	9.581E-20	0.120513	chr5_135031401_135031	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.254E-18	1.8E-18	0.106285	chr5_135031601_135031	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.836E-28	6.905E-28	-0.15775	chr5_135034801_135035	sig	hypo
chr5	1.4E+08	1.4E+08	*	7.2E-155	8.15E-154	0.279132	chr5_135038601_135038	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.29E-146	1.31E-145	0.355735	chr5_135038801_135039	sig	hyper
chr5	1.4E+08	1.4E+08	*	0	0	0.420063	chr5_135039001_135039	sig	hyper
chr5	1.4E+08	1.4E+08	*	7.306E-84	3.196E-83	0.194608	chr5_135040801_135041	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.265E-25	2.158E-25	0.167542	chr5_135041001_135041	sig	hyper
chr5	1.4E+08	1.4E+08	*	9.669E-70	3.468E-69	0.245378	chr5_135050401_135050	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.251E-39	2.807E-39	0.155131	chr5_135190401_135190	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.58E-114	3.03E-113	0.211341	chr5_135327001_135327	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.13E-107	1.87E-106	0.166703	chr5_135327201_135327	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.045E-67	1.054E-66	0.162001	chr5_135399801_135400	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.768E-48	7.189E-48	0.162741	chr5_135489201_135489	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.12E-274	6.09E-273	0.258873	chr5_135490001_135490	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.78E-192	3.36E-191	0.25224	chr5_135490201_135490	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.793E-41	6.452E-41	0.135809	chr5_135536401_135536	sig	hyper
chr5	1.4E+08	1.4E+08	*	9.284E-34	1.872E-33	0.141524	chr5_135536601_135536	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.063E-82	4.582E-82	0.246449	chr5_135930201_135930	sig	hyper
chr5	1.4E+08	1.4E+08	*	6.904E-67	2.377E-66	0.183176	chr5_135930801_135931	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.925E-15	2.529E-15	-0.10733	chr5_136080401_136080	sig	hypo
chr5	1.4E+08	1.4E+08	*	6.37E-174	9.41E-173	0.296971	chr5_136365401_136365	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.098E-25	1.877E-25	-0.1431	chr5_137500601_137500	sig	hypo
chr5	1.4E+08	1.4E+08	*	2.996E-21	4.602E-21	0.118546	chr5_137889201_137889	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.593E-19	5.234E-19	0.142204	chr5_139378601_139378	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.032E-53	2.918E-53	0.257702	chr5_139393601_139393	sig	hyper
chr5	1.4E+08	1.4E+08	*	2E-188	3.57E-187	0.313696	chr5_139394201_139394	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.184E-92	5.831E-92	0.398616	chr5_139395001_139395	sig	hyper
chr5	1.4E+08	1.4E+08	*	7.568E-20	1.122E-19	-0.11276	chr5_139543601_139543	sig	hypo
chr5	1.4E+08	1.4E+08	*	2.061E-13	2.54E-13	0.111144	chr5_139661201_139661	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.236E-79	5.109E-79	0.134142	chr5_139668401_139668	sig	hyper

chr5	1.4E+08	1.4E+08	*	1.915E-36	4.069E-36	0.178652	chr5_139677801_139678(	sig	hyper
chr5	1.4E+08	1.4E+08	*	9.001E-46	2.237E-45	-0.17038	chr5_139689801_139690(	sig	hypo
chr5	1.4E+08	1.4E+08	*	3.88E-120	2.75E-119	-0.27024	chr5_139710201_139710⁴	sig	hypo
chr5	1.4E+08	1.4E+08	*	1.514E-44	3.694E-44	-0.1845	chr5_139710401_139710(	sig	hypo
chr5	1.4E+08	1.4E+08	*	3.618E-56	1.064E-55	0.106295	chr5_140043401_140043(	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.015E-65	3.444E-65	-0.15725	chr5_140109001_140109²	sig	hypo
chr5	1.4E+08	1.4E+08	*	0	0	0.367943	chr5_140672401_140672(	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.221E-30	7.911E-30	0.193736	chr5_140672801_140673(	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.07E-172	2.97E-171	0.267138	chr5_140786401_140786(	sig	hyper
chr5	1.4E+08	1.4E+08	*	5.723E-34	1.158E-33	0.180352	chr5_140786601_140786(	sig	hyper
chr5	1.4E+08	1.4E+08	*	5.842E-43	1.387E-42	0.209956	chr5_140787401_140787(	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.923E-63	6.321E-63	0.160368	chr5_140788001_140788²	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.789E-16	5.065E-16	0.112004	chr5_140795001_140795²	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.94E-100	2.69E-99	0.293181	chr5_140795201_140795⁴	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.52E-57	1.349E-56	0.134659	chr5_140796601_140796(	sig	hyper
chr5	1.4E+08	1.4E+08	*	7.557E-90	3.596E-89	0.180013	chr5_140797001_140797²	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.765E-40	1.078E-39	0.168696	chr5_140802201_140802⁴	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.565E-35	5.333E-35	0.118476	chr5_140802401_140802(	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.108E-30	2.1E-30	0.177393	chr5_140802601_140802(	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.874E-34	9.878E-34	0.157548	chr5_140802801_140803(	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.868E-35	1.007E-34	0.118709	chr5_140803001_140803²	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.716E-52	1.023E-51	0.185839	chr5_140803201_140803⁴	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.53E-25	2.605E-25	0.122443	chr5_140807401_140807(	sig	hyper
chr5	1.4E+08	1.4E+08	*	5.689E-57	1.695E-56	0.156381	chr5_140807601_140807(	sig	hyper
chr5	1.4E+08	1.4E+08	*	7.564E-83	3.268E-82	0.146023	chr5_140823001_140823²	sig	hyper
chr5	1.4E+08	1.4E+08	*	8.231E-22	1.282E-21	0.119585	chr5_140823801_140824(	sig	hyper
chr5	1.4E+08	1.4E+08	*	5.958E-20	8.859E-20	0.132841	chr5_140824001_140824²	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.669E-43	1.111E-42	0.153956	chr5_140829201_140829⁴	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.014E-29	3.721E-29	0.124546	chr5_140829401_140829(	sig	hyper
chr5	1.4E+08	1.4E+08	*	8.697E-33	1.719E-32	0.206698	chr5_140829801_140830(	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.902E-56	5.619E-56	0.245865	chr5_140830201_140830⁴	sig	hyper
chr5	1.4E+08	1.4E+08	*	7.55E-77	2.999E-76	0.160667	chr5_140835601_140835(	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.161E-56	9.316E-56	0.199196	chr5_140836001_140836²	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.081E-41	2.517E-41	0.182781	chr5_140836201_140836⁴	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.27E-65	1.435E-64	0.190138	chr5_140836401_140836(	sig	hyper
chr5	1.4E+08	1.4E+08	*	8.634E-58	2.605E-57	0.216279	chr5_140841601_140841(	sig	hyper
chr5	1.4E+08	1.4E+08	*	5.738E-41	1.318E-40	0.127845	chr5_140842601_140842(	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.742E-39	6.118E-39	0.125878	chr5_140843001_140843²	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.1E-102	1.18E-101	0.236866	chr5_140843401_140843(	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.73E-113	1.14E-112	0.265125	chr5_140848601_140848(	sig	hyper
chr5	1.4E+08	1.4E+08	*	6.84E-109	4.2E-108	0.301078	chr5_140848801_140849(	sig	hyper
chr5	1.4E+08	1.4E+08	*	5.76E-73	2.157E-72	0.20029	chr5_140850201_140850⁴	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.29E-107	7.8E-107	0.172047	chr5_140850601_140850(	sig	hyper
chr5	1.4E+08	1.4E+08	*	8.22E-42	1.916E-41	0.162954	chr5_140855801_140856(	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.415E-91	1.655E-90	0.221542	chr5_140856001_140856²	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.443E-61	4.607E-61	0.209358	chr5_140856401_140856(	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.301E-25	3.901E-25	0.147054	chr5_140862601_140862(	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.06E-137	2.71E-136	0.233577	chr5_140870801_140871(	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.798E-62	9.021E-62	0.228338	chr5_140871201_140871⁴	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.156E-62	3.744E-62	0.251096	chr5_140875801_140876(	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.03E-118	2.79E-117	0.24723	chr5_140876601_140876(	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.057E-65	1.03E-64	0.251948	chr5_140877201_140877⁴	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.58E-133	2.19E-132	0.265777	chr5_140877601_140877(	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.06E-187	1.88E-186	0.26179	chr5_140882001_140882²	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.575E-37	9.834E-37	0.152561	chr5_140882401_140882(	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.494E-81	1.471E-80	0.189016	chr5_140882601_140882(	sig	hyper

chr5	1.4E+08	1.4E+08	*	4.88E-48	1.262E-47	0.161028	chr5_140884001_140884	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.307E-65	4.426E-65	0.166087	chr5_140884401_140884	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.05E-100	5.74E-100	0.176114	chr5_140926601_140926	sig	hyper
chr5	1.4E+08	1.4E+08	*	9.258E-37	1.979E-36	0.140845	chr5_140966001_140966	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.626E-46	4.098E-46	0.201044	chr5_141077801_141078	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.892E-19	2.775E-19	0.177793	chr5_141084801_141085	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.508E-87	1.151E-86	0.225159	chr5_141094401_141094	sig	hyper
chr5	1.4E+08	1.4E+08	*	5.125E-93	2.537E-92	0.221998	chr5_141094601_141094	sig	hyper
chr5	1.4E+08	1.4E+08	*	7.947E-50	2.113E-49	0.16864	chr5_141095401_141095	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.138E-91	5.544E-91	0.17747	chr5_141096001_141096	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.129E-57	3.402E-57	0.213171	chr5_141100401_141100	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.471E-37	3.194E-37	0.212641	chr5_141100601_141100	sig	hyper
chr5	1.4E+08	1.4E+08	*	7.033E-18	9.885E-18	0.115436	chr5_141101001_141101	sig	hyper
chr5	1.4E+08	1.4E+08	*	5.882E-82	2.509E-81	0.180752	chr5_141101201_141101	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.498E-14	3.168E-14	0.110169	chr5_141101601_141101	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.601E-49	1.211E-48	0.205076	chr5_141101801_141102	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.132E-54	6.099E-54	0.213198	chr5_141102001_141102	sig	hyper
chr5	1.4E+08	1.4E+08	*	7.97E-116	5.4E-115	0.27901	chr5_141121601_141121	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.493E-43	3.579E-43	0.144363	chr5_141121801_141122	sig	hyper
chr5	1.4E+08	1.4E+08	*	5.63E-118	3.9E-117	0.247004	chr5_141123201_141123	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.344E-51	1.176E-50	0.250754	chr5_141135601_141135	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.314E-31	2.535E-31	0.103004	chr5_141136001_141136	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.752E-28	4.967E-28	0.193802	chr5_141136801_141137	sig	hyper
chr5	1.4E+08	1.4E+08	*	9.013E-31	1.711E-30	0.10657	chr5_141137601_141137	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.119E-58	3.415E-58	0.232112	chr5_141149801_141150	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.82E-126	2.18E-125	0.236618	chr5_141150001_141150	sig	hyper
chr5	1.4E+08	1.4E+08	*	7.155E-17	9.773E-17	0.141604	chr5_141150401_141150	sig	hyper
chr5	1.4E+08	1.4E+08	*	8.59E-120	6.07E-119	0.204626	chr5_141150801_141151	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.618E-10	2.872E-10	0.108214	chr5_141151001_141151	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.181E-12	2.59E-12	0.106818	chr5_141151401_141151	sig	hyper
chr5	1.4E+08	1.4E+08	*	7.494E-35	1.545E-34	0.210859	chr5_141152401_141152	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.254E-69	8.036E-69	0.213014	chr5_141156001_141156	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.976E-67	1.719E-66	0.259898	chr5_141156401_141156	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.78E-60	8.7E-60	0.198043	chr5_141156601_141156	sig	hyper
chr5	1.4E+08	1.4E+08	*	8.44E-60	2.62E-59	0.176515	chr5_141157201_141157	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.573E-50	6.89E-50	0.235262	chr5_141172801_141173	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.68E-65	5.682E-65	0.150921	chr5_141173401_141173	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.069E-61	9.723E-61	0.16873	chr5_141174001_141174	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.096E-43	5.013E-43	0.225092	chr5_141174201_141174	sig	hyper
chr5	1.4E+08	1.4E+08	*	5.316E-27	9.361E-27	0.122691	chr5_141177601_141177	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.58E-21	3.967E-21	0.141424	chr5_141183201_141183	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.319E-26	4.029E-26	0.161683	chr5_141183601_141183	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.185E-54	1.192E-53	0.247095	chr5_141183801_141184	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.24E-113	8.12E-113	0.251023	chr5_141188601_141188	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.135E-39	9.204E-39	0.192887	chr5_141189401_141189	sig	hyper
chr5	1.4E+08	1.4E+08	*	8.439E-51	2.276E-50	0.231875	chr5_141193801_141194	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.612E-69	5.756E-69	0.262996	chr5_141201001_141201	sig	hyper
chr5	1.4E+08	1.4E+08	*	8.861E-49	2.319E-48	0.295077	chr5_141201201_141201	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.651E-87	2.126E-86	0.222732	chr5_141210201_141210	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.654E-47	1.185E-46	0.140365	chr5_141213801_141214	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.96E-157	2.29E-156	0.25114	chr5_141215401_141215	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.912E-27	3.399E-27	0.188133	chr5_141215601_141215	sig	hyper
chr5	1.4E+08	1.4E+08	*	6.1E-145	6.01E-144	0.295783	chr5_141224801_141225	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.045E-64	1.343E-63	0.19445	chr5_141225601_141225	sig	hyper
chr5	1.4E+08	1.4E+08	*	6.29E-159	7.48E-158	0.33093	chr5_141234201_141234	sig	hyper
chr5	1.4E+08	1.4E+08	*	8.54E-119	5.97E-118	0.2927	chr5_141234401_141234	sig	hyper

chr5	1.4E+08	1.4E+08	*	1.685E-40	3.841E-40	0.195341	chr5_141234801_141235(	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.85E-89	8.756E-89	0.235618	chr5_141235801_141236(	sig	hyper
chr5	1.4E+08	1.4E+08	*	9.328E-60	2.893E-59	0.25876	chr5_141236601_141236(	sig	hyper
chr5	1.4E+08	1.4E+08	*	6.26E-60	1.947E-59	0.218184	chr5_141236801_141237(	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.282E-54	3.68E-54	0.239141	chr5_141239801_141240(	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.517E-38	3.346E-38	0.135983	chr5_141242001_141242(	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.621E-91	7.892E-91	0.264193	chr5_141245601_141245(	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.625E-76	1.033E-75	0.203984	chr5_141246201_141246(	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.313E-21	5.082E-21	0.136675	chr5_141246801_141247(	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.097E-38	6.787E-38	0.176283	chr5_141247601_141247(	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.341E-31	2.587E-31	0.108588	chr5_141303601_141303(	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.098E-82	9.001E-82	0.205897	chr5_141303801_141304(	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.694E-26	2.953E-26	0.102343	chr5_141326201_141326(	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.394E-37	3.026E-37	0.157702	chr5_141326401_141326(	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.303E-59	7.101E-59	0.209366	chr5_141326601_141326(	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.24E-279	2.42E-277	0.295388	chr5_141330801_141331(	sig	hyper
chr5	1.4E+08	1.4E+08	*	0	0	0.293067	chr5_141332801_141333(	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.17E-88	1.013E-87	0.257647	chr5_141339201_141339(	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.27E-161	1.58E-160	0.229596	chr5_141339401_141339(	sig	hyper
chr5	1.4E+08	1.4E+08	*	9.118E-88	4.216E-87	0.149648	chr5_141339601_141339(	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.933E-26	5.082E-26	0.102235	chr5_141340601_141340(	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.034E-29	3.758E-29	0.151412	chr5_141341001_141341(	sig	hyper
chr5	1.4E+08	1.4E+08	*	7.57E-113	4.92E-112	0.264095	chr5_141344201_141344(	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.066E-60	6.477E-60	0.193873	chr5_141345401_141345(	sig	hyper
chr5	1.4E+08	1.4E+08	*	9.83E-144	9.52E-143	0.241766	chr5_141345601_141345(	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.67E-145	3.63E-144	0.209	chr5_141346201_141346(	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.136E-72	7.938E-72	0.250152	chr5_141350201_141350(	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.136E-82	1.767E-81	0.20499	chr5_141350401_141350(	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.509E-60	1.096E-59	0.215123	chr5_141350801_141351(	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.16E-220	5.91E-219	0.310042	chr5_141351601_141351(	sig	hyper
chr5	1.4E+08	1.4E+08	*	7.88E-139	7.13E-138	0.272433	chr5_141351801_141352(	sig	hyper
chr5	1.4E+08	1.4E+08	*	9.1E-159	1.08E-157	0.290712	chr5_141352201_141352(	sig	hyper
chr5	1.4E+08	1.4E+08	*	9.907E-71	3.602E-70	0.229358	chr5_141355001_141355(	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.638E-79	6.765E-79	0.236931	chr5_141355201_141355(	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.404E-66	4.816E-66	0.139888	chr5_141355801_141356(	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.148E-18	3.063E-18	0.112466	chr5_141357401_141357(	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.57E-103	2.58E-102	0.220351	chr5_141360201_141360(	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.66E-21	5.607E-21	0.1199	chr5_141360801_141361(	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.39E-125	2.57E-124	0.293529	chr5_141361601_141361(	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.002E-50	2.698E-50	0.195536	chr5_141364201_141364(	sig	hyper
chr5	1.4E+08	1.4E+08	*	5.654E-75	2.183E-74	0.250909	chr5_141364401_141364(	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.42E-51	3.875E-51	0.233216	chr5_141364601_141364(	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.02E-99	5.54E-99	0.234628	chr5_141364801_141365(	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.284E-36	4.847E-36	0.210662	chr5_141365001_141365(	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.295E-39	2.905E-39	0.205348	chr5_141365601_141365(	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.263E-31	4.346E-31	0.189705	chr5_141365801_141366(	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.57E-101	8.69E-101	0.190606	chr5_141366001_141366(	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.991E-65	6.722E-65	0.222303	chr5_141366601_141366(	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.505E-35	5.21E-35	0.162927	chr5_141370201_141370(	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.208E-60	1.313E-59	0.3336	chr5_141370401_141370(	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.57E-191	6.65E-190	0.339948	chr5_141371801_141372(	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.655E-65	5.597E-65	0.193843	chr5_141372001_141372(	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.71E-110	1.08E-109	0.268794	chr5_141372201_141372(	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.848E-83	1.668E-82	0.241148	chr5_141373801_141374(	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.71E-257	2.06E-255	0.342797	chr5_141374001_141374(	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.34E-215	6.02E-214	0.269576	chr5_141374201_141374(	sig	hyper

chr5	1.4E+08	1.4E+08	*	9.791E-28	1.75E-27	0.14802	chr5_141374601_141374	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.545E-59	1.395E-58	0.233885	chr5_141375601_141375	sig	hyper
chr5	1.4E+08	1.4E+08	*	8.154E-86	3.665E-85	0.205321	chr5_141376201_141376	sig	hyper
chr5	1.4E+08	1.4E+08	*	8.488E-85	3.765E-84	0.218184	chr5_141382601_141382	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.22E-101	6.75E-101	0.262192	chr5_141383001_141383	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.233E-31	6.192E-31	0.156835	chr5_141383201_141383	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.348E-70	1.209E-69	0.219328	chr5_141383401_141383	sig	hyper
chr5	1.4E+08	1.4E+08	*	8.056E-39	1.784E-38	0.170801	chr5_141383601_141383	sig	hyper
chr5	1.4E+08	1.4E+08	*	5.061E-74	1.927E-73	0.221166	chr5_141384801_141385	sig	hyper
chr5	1.4E+08	1.4E+08	*	8.968E-86	4.027E-85	0.15764	chr5_141385001_141385	sig	hyper
chr5	1.4E+08	1.4E+08	*	0	0	0.320432	chr5_141387601_141387	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.658E-31	8.895E-31	0.142594	chr5_141388601_141388	sig	hyper
chr5	1.4E+08	1.4E+08	*	0	0	0.292882	chr5_141389401_141389	sig	hyper
chr5	1.4E+08	1.4E+08	*	9.315E-23	1.485E-22	0.180106	chr5_141389601_141389	sig	hyper
chr5	1.4E+08	1.4E+08	*	6.033E-30	1.127E-29	0.129288	chr5_141389801_141390	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.915E-83	1.264E-82	0.314923	chr5_141390001_141390	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.291E-48	3.369E-48	0.190011	chr5_141392601_141392	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.73E-119	2.61E-118	0.264379	chr5_141392801_141393	sig	hyper
chr5	1.4E+08	1.4E+08	*	5.33E-268	2.73E-266	0.25706	chr5_141393001_141393	sig	hyper
chr5	1.4E+08	1.4E+08	*	9.226E-48	2.375E-47	0.176861	chr5_141393201_141393	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.35E-118	9.4E-118	0.211616	chr5_141393401_141393	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.732E-75	1.829E-74	0.265563	chr5_141394201_141394	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.101E-60	9.698E-60	0.17855	chr5_141394801_141395	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.641E-16	2.22E-16	0.112375	chr5_141395001_141395	sig	hyper
chr5	1.4E+08	1.4E+08	*	5.24E-122	3.82E-121	0.218549	chr5_141398801_141399	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.149E-41	4.974E-41	0.16799	chr5_141399401_141399	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.53E-233	4.9E-232	0.25766	chr5_141399601_141399	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.22E-128	1.76E-127	0.245321	chr5_141399801_141400	sig	hyper
chr5	1.4E+08	1.4E+08	*	7.524E-26	1.292E-25	0.202533	chr5_141400201_141400	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.805E-74	1.451E-73	0.279186	chr5_141402801_141403	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.75E-214	6.97E-213	0.308463	chr5_141403001_141403	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.22E-120	8.73E-120	0.218104	chr5_141403201_141403	sig	hyper
chr5	1.4E+08	1.4E+08	*	5.687E-51	1.536E-50	0.204495	chr5_141403401_141403	sig	hyper
chr5	1.4E+08	1.4E+08	*	6.175E-72	2.282E-71	0.193255	chr5_141403601_141403	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.781E-62	5.759E-62	0.231878	chr5_141408201_141408	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.494E-71	9.154E-71	0.259475	chr5_141409601_141409	sig	hyper
chr5	1.4E+08	1.4E+08	*	6.09E-142	5.77E-141	0.261559	chr5_141409801_141410	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.03E-108	6.31E-108	0.296107	chr5_141410001_141410	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.915E-57	5.753E-57	0.206078	chr5_141413801_141414	sig	hyper
chr5	1.4E+08	1.4E+08	*	9.962E-19	1.434E-18	0.128474	chr5_141415401_141415	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.67E-113	1.09E-112	0.237509	chr5_141419201_141419	sig	hyper
chr5	1.4E+08	1.4E+08	*	8.02E-172	1.14E-170	0.268034	chr5_141419401_141419	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.25E-104	2.44E-103	0.255497	chr5_141421001_141421	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.52E-262	7.08E-261	0.315081	chr5_141421201_141421	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.69E-117	1.85E-116	0.287678	chr5_141421601_141421	sig	hyper
chr5	1.4E+08	1.4E+08	*	2.1E-123	1.56E-122	0.276471	chr5_141421801_141422	sig	hyper
chr5	1.4E+08	1.4E+08	*	8.974E-92	4.376E-91	0.275399	chr5_141422801_141423	sig	hyper
chr5	1.4E+08	1.4E+08	*	9.67E-194	1.85E-192	0.252957	chr5_141423001_141423	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.841E-75	1.487E-74	0.202993	chr5_141423201_141423	sig	hyper
chr5	1.4E+08	1.4E+08	*	7.074E-31	1.347E-30	0.167086	chr5_141423401_141423	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.07E-105	6.26E-105	0.243737	chr5_141427601_141427	sig	hyper
chr5	1.4E+08	1.4E+08	*	8.61E-189	1.55E-187	0.272968	chr5_141427801_141428	sig	hyper
chr5	1.4E+08	1.4E+08	*	5.36E-157	6.23E-156	0.247721	chr5_141428001_141428	sig	hyper
chr5	1.4E+08	1.4E+08	*	5.57E-115	3.73E-114	0.299513	chr5_141430401_141430	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.53E-73	1.699E-72	0.236597	chr5_141430601_141430	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.47E-206	7.85E-205	0.24448	chr5_141430801_141431	sig	hyper

chr5	1.4E+08	1.4E+08	*	5.72E-270	2.98E-268	0.291224	chr5_141431201_141431	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.66E-199	3.48E-198	0.268424	chr5_141431401_141431	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.1E-120	7.89E-120	0.273583	chr5_141431601_141431	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.24E-139	1.14E-138	0.316854	chr5_141432001_141432	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.22E-152	1.35E-151	0.261315	chr5_141432801_141433	sig	hyper
chr5	1.4E+08	1.4E+08	*	7.42E-105	4.3E-104	0.316187	chr5_141433001_141433	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.124E-50	3.025E-50	0.199059	chr5_141442001_141442	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.32E-114	8.83E-114	0.14875	chr5_141476201_141476	sig	hyper
chr5	1.4E+08	1.4E+08	*	3.27E-154	3.67E-153	0.238684	chr5_141476601_141476	sig	hyper
chr5	1.4E+08	1.4E+08	*	5.22E-293	3.54E-291	0.245696	chr5_141476801_141477	sig	hyper
chr5	1.4E+08	1.4E+08	*	5.33E-187	9.38E-186	0.352106	chr5_141478201_141478	sig	hyper
chr5	1.4E+08	1.4E+08	*	0	0	0.305095	chr5_141485001_141485	sig	hyper
chr5	1.4E+08	1.4E+08	*	0	0	0.432642	chr5_141512601_141512	sig	hyper
chr5	1.4E+08	1.4E+08	*	4.226E-11	4.784E-11	0.110583	chr5_141811801_141812	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.734E-48	4.516E-48	-0.10552	chr5_142551601_142551	sig	hypo
chr5	1.4E+08	1.4E+08	*	4.608E-39	1.025E-38	0.179351	chr5_142686001_142686	sig	hyper
chr5	1.4E+08	1.4E+08	*	5.812E-78	2.345E-77	0.167218	chr5_143405601_143405	sig	hyper
chr5	1.4E+08	1.4E+08	*	1.395E-41	3.241E-41	0.12365	chr5_144598601_144598	sig	hyper
chr5	1.5E+08	1.5E+08	*	5.158E-49	1.356E-48	0.207325	chr5_146334001_146334	sig	hyper
chr5	1.5E+08	1.5E+08	*	2.02E-156	2.33E-155	0.261804	chr5_146334201_146334	sig	hyper
chr5	1.5E+08	1.5E+08	*	1.2E-102	6.75E-102	0.349503	chr5_146337601_146337	sig	hyper
chr5	1.5E+08	1.5E+08	*	1.834E-58	5.577E-58	0.157646	chr5_146338001_146338	sig	hyper
chr5	1.5E+08	1.5E+08	*	2.87E-195	5.63E-194	0.261842	chr5_146338801_146339	sig	hyper
chr5	1.5E+08	1.5E+08	*	0	0	0.326076	chr5_146339001_146339	sig	hyper
chr5	1.5E+08	1.5E+08	*	4.871E-83	2.109E-82	0.233973	chr5_146340201_146340	sig	hyper
chr5	1.5E+08	1.5E+08	*	7.17E-181	1.15E-179	0.331556	chr5_146340401_146340	sig	hyper
chr5	1.5E+08	1.5E+08	*	0	0	0.363282	chr5_146342801_146343	sig	hyper
chr5	1.5E+08	1.5E+08	*	9.91E-207	2.26E-205	0.264199	chr5_146343201_146343	sig	hyper
chr5	1.5E+08	1.5E+08	*	4.642E-41	1.068E-40	0.148987	chr5_146344601_146344	sig	hyper
chr5	1.5E+08	1.5E+08	*	0	0	0.35061	chr5_146379201_146379	sig	hyper
chr5	1.5E+08	1.5E+08	*	1.121E-45	2.779E-45	0.142331	chr5_146877801_146878	sig	hyper
chr5	1.5E+08	1.5E+08	*	1.25E-130	1.02E-129	0.177089	chr5_146878201_146878	sig	hyper
chr5	1.5E+08	1.5E+08	*	3.91E-65	1.315E-64	0.11481	chr5_147234601_147234	sig	hyper
chr5	1.5E+08	1.5E+08	*	5.49E-129	4.37E-128	0.121861	chr5_147452601_147452	sig	hyper
chr5	1.5E+08	1.5E+08	*	2.87E-105	1.67E-104	0.272907	chr5_147508801_147509	sig	hyper
chr5	1.5E+08	1.5E+08	*	1.614E-13	1.996E-13	0.101369	chr5_148653401_148653	sig	hyper
chr5	1.5E+08	1.5E+08	*	1.097E-17	1.533E-17	0.10045	chr5_149271401_149271	sig	hyper
chr5	1.5E+08	1.5E+08	*	1.616E-67	5.617E-67	0.148055	chr5_149932801_149933	sig	hyper
chr5	1.5E+08	1.5E+08	*	5.094E-85	2.265E-84	-0.17213	chr5_150166401_150166	sig	hypo
chr5	1.5E+08	1.5E+08	*	2.69E-136	2.36E-135	0.311877	chr5_150189801_150190	sig	hyper
chr5	1.5E+08	1.5E+08	*	1.237E-73	4.673E-73	-0.16678	chr5_150209401_150209	sig	hypo
chr5	1.5E+08	1.5E+08	*	4.645E-22	7.275E-22	-0.10214	chr5_150289801_150290	sig	hypo
chr5	1.5E+08	1.5E+08	*	1.09E-13	1.355E-13	0.129503	chr5_150302001_150302	sig	hyper
chr5	1.5E+08	1.5E+08	*	4.34E-169	5.95E-168	0.308161	chr5_150303201_150303	sig	hyper
chr5	1.5E+08	1.5E+08	*	5.671E-39	1.26E-38	-0.15981	chr5_150661201_150661	sig	hypo
chr5	1.5E+08	1.5E+08	*	8.53E-184	1.42E-182	0.3807	chr5_150946201_150946	sig	hyper
chr5	1.5E+08	1.5E+08	*	4.486E-76	1.76E-75	0.115552	chr5_151158001_151158	sig	hyper
chr5	1.5E+08	1.5E+08	*	1.917E-18	2.739E-18	0.112792	chr5_154473001_154473	sig	hyper
chr5	1.5E+08	1.5E+08	*	2.133E-15	2.799E-15	0.13691	chr5_154474001_154474	sig	hyper
chr5	1.5E+08	1.5E+08	*	1.148E-28	2.088E-28	0.134898	chr5_154476601_154476	sig	hyper
chr5	1.5E+08	1.5E+08	*	1.333E-21	2.066E-21	0.105067	chr5_154478001_154478	sig	hyper
chr5	1.5E+08	1.5E+08	*	5.289E-36	1.112E-35	0.154115	chr5_154479001_154479	sig	hyper
chr5	1.5E+08	1.5E+08	*	2.636E-87	1.21E-86	0.13669	chr5_154479201_154479	sig	hyper
chr5	1.5E+08	1.5E+08	*	1.778E-49	4.705E-49	0.189505	chr5_154480001_154480	sig	hyper
chr5	1.5E+08	1.5E+08	*	4.021E-28	7.236E-28	-0.12971	chr5_154611201_154611	sig	hypo
chr5	1.5E+08	1.5E+08	*	1.53E-81	6.48E-81	-0.12652	chr5_154647601_154647	sig	hypo

chr5	1.5E+08	1.5E+08	*	1.37E-125	1.04E-124	0.34444	chr5_154691401_154691	sig	hyper
chr5	1.5E+08	1.5E+08	*	1.626E-88	7.613E-88	0.251943	chr5_154691601_154691	sig	hyper
chr5	1.5E+08	1.5E+08	*	1.72E-140	1.59E-139	0.301662	chr5_154850601_154850	sig	hyper
chr5	1.6E+08	1.6E+08	*	1.224E-22	1.945E-22	-0.10976	chr5_155013801_155014	sig	hypo
chr5	1.6E+08	1.6E+08	*	1.429E-56	4.227E-56	0.165756	chr5_155728401_155728	sig	hyper
chr5	1.6E+08	1.6E+08	*	2.59E-300	1.91E-298	0.312778	chr5_155728801_155729	sig	hyper
chr5	1.6E+08	1.6E+08	*	1.39E-185	2.39E-184	0.337354	chr5_155729401_155729	sig	hyper
chr5	1.6E+08	1.6E+08	*	1.211E-87	5.588E-87	0.230629	chr5_155729801_155730	sig	hyper
chr5	1.6E+08	1.6E+08	*	9.68E-120	6.83E-119	0.214549	chr5_156850401_156850	sig	hyper
chr5	1.6E+08	1.6E+08	*	8.65E-174	1.27E-172	0.275502	chr5_159095401_159095	sig	hyper
chr5	1.6E+08	1.6E+08	*	2.719E-51	7.38E-51	0.216398	chr5_159096401_159096	sig	hyper
chr5	1.6E+08	1.6E+08	*	2.09E-165	2.73E-164	0.485296	chr5_159096801_159097	sig	hyper
chr5	1.6E+08	1.6E+08	*	8.29E-184	1.38E-182	0.283414	chr5_159097201_159097	sig	hyper
chr5	1.6E+08	1.6E+08	*	8.34E-109	5.11E-108	0.239203	chr5_159100601_159100	sig	hyper
chr5	1.6E+08	1.6E+08	*	1.25E-111	8.01E-111	0.207416	chr5_159101001_159101	sig	hyper
chr5	1.6E+08	1.6E+08	*	1.393E-34	2.858E-34	0.214385	chr5_159104001_159104	sig	hyper
chr5	1.6E+08	1.6E+08	*	2.96E-295	2.06E-293	0.400679	chr5_159104401_159104	sig	hyper
chr5	1.6E+08	1.6E+08	*	8.52E-199	1.77E-197	0.424329	chr5_159104601_159104	sig	hyper
chr5	1.6E+08	1.6E+08	*	1.372E-85	6.147E-85	0.356398	chr5_159104801_159105	sig	hyper
chr5	1.6E+08	1.6E+08	*	2.79E-129	2.23E-128	0.273414	chr5_159105201_159105	sig	hyper
chr5	1.6E+08	1.6E+08	*	1.463E-78	5.952E-78	0.276294	chr5_159105401_159105	sig	hyper
chr5	1.6E+08	1.6E+08	*	1.264E-28	2.297E-28	0.132938	chr5_159106401_159106	sig	hyper
chr5	1.6E+08	1.6E+08	*	2.39E-183	3.94E-182	0.134108	chr5_159106601_159106	sig	hyper
chr5	1.6E+08	1.6E+08	*	6.479E-28	1.162E-27	0.120946	chr5_160311601_160311	sig	hyper
chr5	1.6E+08	1.6E+08	*	1.648E-74	6.32E-74	0.227303	chr5_161545801_161546	sig	hyper
chr5	1.6E+08	1.6E+08	*	3.35E-159	4.01E-158	0.207231	chr5_161548801_161549	sig	hyper
chr5	1.6E+08	1.6E+08	*	4.015E-55	1.161E-54	0.119412	chr5_161549201_161549	sig	hyper
chr5	1.7E+08	1.7E+08	*	2.114E-77	8.46E-77	0.191897	chr5_166978401_166978	sig	hyper
chr5	1.7E+08	1.7E+08	*	1.181E-10	1.314E-10	0.102216	chr5_167858601_167858	sig	hyper
chr5	1.7E+08	1.7E+08	*	1.492E-48	3.888E-48	-0.19632	chr5_168288401_168288	sig	hypo
chr5	1.7E+08	1.7E+08	*	0	0	0.308464	chr5_168529801_168530	sig	hyper
chr5	1.7E+08	1.7E+08	*	6.14E-75	2.369E-74	0.157598	chr5_169299801_169300	sig	hyper
chr5	1.7E+08	1.7E+08	*	1.16E-126	8.97E-126	0.363739	chr5_169301201_169301	sig	hyper
chr5	1.7E+08	1.7E+08	*	4.2E-113	2.74E-112	0.247534	chr5_169301401_169301	sig	hyper
chr5	1.7E+08	1.7E+08	*	2.729E-69	9.716E-69	0.257112	chr5_169637601_169637	sig	hyper
chr5	1.7E+08	1.7E+08	*	1.518E-26	2.648E-26	0.151954	chr5_170744401_170744	sig	hyper
chr5	1.7E+08	1.7E+08	*	2.236E-61	7.099E-61	0.23243	chr5_171307801_171308	sig	hyper
chr5	1.7E+08	1.7E+08	*	8.662E-69	3.063E-68	0.224408	chr5_171308001_171308	sig	hyper
chr5	1.7E+08	1.7E+08	*	0	0	0.323119	chr5_171308201_171308	sig	hyper
chr5	1.7E+08	1.7E+08	*	1.726E-86	7.834E-86	0.282364	chr5_171308601_171308	sig	hyper
chr5	1.7E+08	1.7E+08	*	2.87E-148	2.97E-147	0.343186	chr5_171309201_171309	sig	hyper
chr5	1.7E+08	1.7E+08	*	4.94E-139	4.49E-138	0.209478	chr5_171310201_171310	sig	hyper
chr5	1.7E+08	1.7E+08	*	2.052E-31	3.945E-31	0.116015	chr5_171311201_171311	sig	hyper
chr5	1.7E+08	1.7E+08	*	2.68E-152	2.95E-151	0.227964	chr5_171313801_171314	sig	hyper
chr5	1.7E+08	1.7E+08	*	7.384E-97	3.866E-96	0.2871	chr5_171315201_171315	sig	hyper
chr5	1.7E+08	1.7E+08	*	4.43E-123	3.27E-122	0.316953	chr5_171316401_171316	sig	hyper
chr5	1.7E+08	1.7E+08	*	9.92E-151	1.07E-149	0.345825	chr5_171316801_171317	sig	hyper
chr5	1.7E+08	1.7E+08	*	1.293E-24	2.158E-24	-0.15561	chr5_171450401_171450	sig	hypo
chr5	1.7E+08	1.7E+08	*	3.454E-28	6.224E-28	0.175804	chr5_171667801_171668	sig	hyper
chr5	1.7E+08	1.7E+08	*	5.882E-50	1.567E-49	0.229963	chr5_171668001_171668	sig	hyper
chr5	1.7E+08	1.7E+08	*	3.35E-211	8.18E-210	0.334056	chr5_172097401_172097	sig	hyper
chr5	1.7E+08	1.7E+08	*	7.562E-15	9.756E-15	0.112724	chr5_172189201_172189	sig	hyper
chr5	1.7E+08	1.7E+08	*	1.302E-41	3.026E-41	0.152138	chr5_172679401_172679	sig	hyper
chr5	1.7E+08	1.7E+08	*	0	0	0.394825	chr5_172748601_172748	sig	hyper
chr5	1.7E+08	1.7E+08	*	4.003E-22	6.28E-22	0.127007	chr5_172748801_172749	sig	hyper
chr5	1.7E+08	1.7E+08	*	9.852E-42	2.295E-41	-0.11577	chr5_172762201_172762	sig	hypo

chr5	1.7E+08	1.7E+08	*	1.297E-32	2.557E-32	0.165589	chr5_172769601_172769	sig	hyper
chr5	1.7E+08	1.7E+08	*	5.633E-75	2.175E-74	0.19581	chr5_173228801_173229	sig	hyper
chr5	1.7E+08	1.7E+08	*	1.613E-34	3.305E-34	0.146339	chr5_173229001_173229	sig	hyper
chr5	1.7E+08	1.7E+08	*	4.782E-20	7.131E-20	0.128813	chr5_173232201_173232	sig	hyper
chr5	1.7E+08	1.7E+08	*	7.958E-84	3.478E-83	0.192647	chr5_173233001_173233	sig	hyper
chr5	1.7E+08	1.7E+08	*	2.446E-91	1.188E-90	0.188627	chr5_173233801_173234	sig	hyper
chr5	1.7E+08	1.7E+08	*	8.35E-200	1.77E-198	0.328993	chr5_173234001_173234	sig	hyper
chr5	1.7E+08	1.7E+08	*	1.425E-25	2.428E-25	0.183923	chr5_173234401_173234	sig	hyper
chr5	1.7E+08	1.7E+08	*	8.73E-139	7.89E-138	0.180098	chr5_173234801_173235	sig	hyper
chr5	1.7E+08	1.7E+08	*	2.88E-179	4.54E-178	0.289248	chr5_173236601_173236	sig	hyper
chr5	1.7E+08	1.7E+08	*	1.457E-34	2.987E-34	0.169305	chr5_173236801_173237	sig	hyper
chr5	1.7E+08	1.7E+08	*	6.766E-53	1.887E-52	0.156635	chr5_173237401_173237	sig	hyper
chr5	1.7E+08	1.7E+08	*	8.14E-57	2.419E-56	0.190984	chr5_173238201_173238	sig	hyper
chr5	1.7E+08	1.7E+08	*	4.21E-124	3.16E-123	0.308413	chr5_173243801_173244	sig	hyper
chr5	1.7E+08	1.7E+08	*	2.345E-80	9.783E-80	0.293412	chr5_173244001_173244	sig	hyper
chr5	1.7E+08	1.7E+08	*	3.542E-85	1.579E-84	0.256135	chr5_173244401_173244	sig	hyper
chr5	1.7E+08	1.7E+08	*	1.04E-174	1.54E-173	0.33899	chr5_173244601_173244	sig	hyper
chr5	1.7E+08	1.7E+08	*	1.356E-72	5.053E-72	0.249533	chr5_173245201_173245	sig	hyper
chr5	1.7E+08	1.7E+08	*	1.71E-103	9.71E-103	0.193844	chr5_173245401_173245	sig	hyper
chr5	1.7E+08	1.7E+08	*	2.53E-173	3.69E-172	0.23184	chr5_173245601_173245	sig	hyper
chr5	1.7E+08	1.7E+08	*	1.379E-22	2.189E-22	0.122707	chr5_173290601_173290	sig	hyper
chr5	1.7E+08	1.7E+08	*	4.092E-20	6.111E-20	-0.12747	chr5_173330201_173330	sig	hypo
chr5	1.7E+08	1.7E+08	*	4.719E-42	1.104E-41	-0.16525	chr5_173555601_173555	sig	hypo
chr5	1.7E+08	1.7E+08	*	4.286E-34	8.699E-34	0.154936	chr5_173973001_173973	sig	hyper
chr5	1.7E+08	1.7E+08	*	5.316E-36	1.117E-35	-0.20865	chr5_174311201_174311	sig	hypo
chr5	1.7E+08	1.7E+08	*	3.638E-56	1.07E-55	0.157243	chr5_174311801_174312	sig	hyper
chr5	1.7E+08	1.7E+08	*	9.577E-28	1.712E-27	0.194524	chr5_174723201_174723	sig	hyper
chr5	1.7E+08	1.7E+08	*	3.473E-37	7.489E-37	0.137392	chr5_174723801_174724	sig	hyper
chr5	1.7E+08	1.7E+08	*	1.74E-190	3.2E-189	0.331625	chr5_174731801_174732	sig	hyper
chr5	1.7E+08	1.7E+08	*	3.06E-250	1.23E-248	0.328984	chr5_174732001_174732	sig	hyper
chr5	1.7E+08	1.7E+08	*	7.612E-68	2.658E-67	0.220288	chr5_174732601_174732	sig	hyper
chr5	1.8E+08	1.8E+08	*	1.04E-110	6.56E-110	0.272233	chr5_175443801_175444	sig	hyper
chr5	1.8E+08	1.8E+08	*	9.501E-68	3.312E-67	0.217078	chr5_175445001_175445	sig	hyper
chr5	1.8E+08	1.8E+08	*	1.719E-46	4.331E-46	0.229902	chr5_175445201_175445	sig	hyper
chr5	1.8E+08	1.8E+08	*	6.318E-33	1.253E-32	0.149558	chr5_175682001_175682	sig	hyper
chr5	1.8E+08	1.8E+08	*	2.738E-34	5.583E-34	-0.11986	chr5_175683401_175683	sig	hypo
chr5	1.8E+08	1.8E+08	*	6.974E-39	1.546E-38	0.123651	chr5_175773001_175773	sig	hyper
chr5	1.8E+08	1.8E+08	*	1.74E-222	4.84E-221	0.199143	chr5_175773401_175773	sig	hyper
chr5	1.8E+08	1.8E+08	*	4.357E-85	1.938E-84	0.164025	chr5_176133401_176133	sig	hyper
chr5	1.8E+08	1.8E+08	*	1.09E-102	6.13E-102	0.166215	chr5_176365001_176365	sig	hyper
chr5	1.8E+08	1.8E+08	*	2.72E-234	8.87E-233	0.347744	chr5_176366401_176366	sig	hyper
chr5	1.8E+08	1.8E+08	*	9.577E-80	3.966E-79	-0.20667	chr5_176549201_176549	sig	hypo
chr5	1.8E+08	1.8E+08	*	1.037E-18	1.492E-18	0.106985	chr5_176619001_176619	sig	hyper
chr5	1.8E+08	1.8E+08	*	2.26E-159	2.7E-158	0.293941	chr5_176619801_176620	sig	hyper
chr5	1.8E+08	1.8E+08	*	5.82E-177	8.83E-176	0.159702	chr5_176630001_176630	sig	hyper
chr5	1.8E+08	1.8E+08	*	9.854E-31	1.87E-30	0.103971	chr5_176630801_176631	sig	hyper
chr5	1.8E+08	1.8E+08	*	9.312E-48	2.396E-47	-0.18915	chr5_176661401_176661	sig	hypo
chr5	1.8E+08	1.8E+08	*	1.824E-26	3.176E-26	-0.1585	chr5_176741401_176741	sig	hypo
chr5	1.8E+08	1.8E+08	*	6.403E-29	1.171E-28	0.117811	chr5_176743601_176743	sig	hyper
chr5	1.8E+08	1.8E+08	*	1.97E-22	3.115E-22	0.170811	chr5_176789801_176790	sig	hyper
chr5	1.8E+08	1.8E+08	*	2.227E-52	6.153E-52	0.170476	chr5_176843801_176844	sig	hyper
chr5	1.8E+08	1.8E+08	*	8.168E-43	1.935E-42	-0.13653	chr5_176868801_176869	sig	hypo
chr5	1.8E+08	1.8E+08	*	2.755E-31	5.284E-31	-0.10233	chr5_176869601_176869	sig	hypo
chr5	1.8E+08	1.8E+08	*	1.723E-21	2.661E-21	-0.1177	chr5_176880601_176880	sig	hypo
chr5	1.8E+08	1.8E+08	*	4.66E-18	6.579E-18	-0.13605	chr5_176880801_176881	sig	hypo
chr5	1.8E+08	1.8E+08	*	3.721E-31	7.121E-31	-0.11454	chr5_176881001_176881	sig	hypo

chr5	1.8E+08	1.8E+08	*	2.38E-123	1.77E-122	-0.26374	chr5_176887201_176887	sig	hypo
chr5	1.8E+08	1.8E+08	*	5.847E-34	1.183E-33	-0.1345	chr5_176887601_176887	sig	hypo
chr5	1.8E+08	1.8E+08	*	6.788E-18	9.545E-18	-0.12625	chr5_176889601_176889	sig	hypo
chr5	1.8E+08	1.8E+08	*	2.25E-140	2.08E-139	0.186003	chr5_177116801_177117	sig	hyper
chr5	1.8E+08	1.8E+08	*	4.997E-76	1.959E-75	0.18893	chr5_177117001_177117	sig	hyper
chr5	1.8E+08	1.8E+08	*	2.029E-63	6.664E-63	0.17765	chr5_177132801_177133	sig	hyper
chr5	1.8E+08	1.8E+08	*	6.371E-54	1.809E-53	-0.22712	chr5_177328201_177328	sig	hypo
chr5	1.8E+08	1.8E+08	*	6.214E-32	1.207E-31	-0.15472	chr5_177328401_177328	sig	hypo
chr5	1.8E+08	1.8E+08	*	1.77E-66	6.065E-66	0.275275	chr5_177366801_177367	sig	hyper
chr5	1.8E+08	1.8E+08	*	2.311E-16	3.113E-16	0.130947	chr5_177382601_177382	sig	hyper
chr5	1.8E+08	1.8E+08	*	7.797E-18	1.094E-17	-0.13085	chr5_177384001_177384	sig	hypo
chr5	1.8E+08	1.8E+08	*	6.572E-72	2.426E-71	0.153245	chr5_177400001_177400	sig	hyper
chr5	1.8E+08	1.8E+08	*	7.969E-22	1.242E-21	0.192238	chr5_177400801_177401	sig	hyper
chr5	1.8E+08	1.8E+08	*	6.952E-61	2.193E-60	0.145142	chr5_177402001_177402	sig	hyper
chr5	1.8E+08	1.8E+08	*	1.605E-31	3.09E-31	0.141675	chr5_177402201_177402	sig	hyper
chr5	1.8E+08	1.8E+08	*	4.437E-34	9.003E-34	-0.12548	chr5_177448001_177448	sig	hypo
chr5	1.8E+08	1.8E+08	*	2.129E-39	4.758E-39	0.208265	chr5_177474401_177474	sig	hyper
chr5	1.8E+08	1.8E+08	*	2.3E-126	1.77E-125	0.228711	chr5_177492601_177492	sig	hyper
chr5	1.8E+08	1.8E+08	*	1.914E-38	4.213E-38	-0.16052	chr5_177508201_177508	sig	hypo
chr5	1.8E+08	1.8E+08	*	1.389E-21	2.151E-21	-0.14944	chr5_177508401_177508	sig	hypo
chr5	1.8E+08	1.8E+08	*	9.607E-25	1.608E-24	-0.13776	chr5_177604201_177604	sig	hypo
chr5	1.8E+08	1.8E+08	*	2.46E-43	5.879E-43	0.146024	chr5_177984201_177984	sig	hyper
chr5	1.8E+08	1.8E+08	*	1.723E-61	5.487E-61	0.143242	chr5_177984401_177984	sig	hyper
chr5	1.8E+08	1.8E+08	*	9.78E-107	5.82E-106	0.244906	chr5_177984601_177984	sig	hyper
chr5	1.8E+08	1.8E+08	*	5.44E-144	5.29E-143	0.411839	chr5_178121601_178121	sig	hyper
chr5	1.8E+08	1.8E+08	*	1.974E-52	5.458E-52	0.177103	chr5_178121801_178122	sig	hyper
chr5	1.8E+08	1.8E+08	*	8.45E-44	2.036E-43	-0.1959	chr5_178154401_178154	sig	hypo
chr5	1.8E+08	1.8E+08	*	1.31E-266	6.54E-265	0.40001	chr5_178165601_178165	sig	hyper
chr5	1.8E+08	1.8E+08	*	6.37E-136	5.55E-135	0.207021	chr5_178165801_178166	sig	hyper
chr5	1.8E+08	1.8E+08	*	3.098E-50	8.288E-50	0.14324	chr5_178337201_178337	sig	hyper
chr5	1.8E+08	1.8E+08	*	1.051E-44	2.569E-44	-0.19303	chr5_178387601_178387	sig	hypo
chr5	1.8E+08	1.8E+08	*	2.17E-66	7.426E-66	-0.20511	chr5_178443201_178443	sig	hypo
chr5	1.8E+08	1.8E+08	*	6.462E-64	2.139E-63	-0.17735	chr5_178449801_178450	sig	hypo
chr5	1.8E+08	1.8E+08	*	5.24E-43	1.245E-42	-0.23655	chr5_178465601_178465	sig	hypo
chr5	1.8E+08	1.8E+08	*	5.86E-139	5.31E-138	-0.18559	chr5_178502801_178503	sig	hypo
chr5	1.8E+08	1.8E+08	*	3.44E-170	4.79E-169	0.244109	chr5_178577001_178577	sig	hyper
chr5	1.8E+08	1.8E+08	*	1.51E-204	3.35E-203	0.234007	chr5_178590801_178591	sig	hyper
chr5	1.8E+08	1.8E+08	*	1.12E-125	8.58E-125	0.398154	chr5_178940601_178940	sig	hyper
chr5	1.8E+08	1.8E+08	*	4.98E-164	6.39E-163	0.381773	chr5_178941201_178941	sig	hyper
chr5	1.8E+08	1.8E+08	*	5.805E-32	1.129E-31	-0.10866	chr5_178983001_178983	sig	hypo
chr5	1.8E+08	1.8E+08	*	1.35E-105	7.89E-105	0.342023	chr5_178994201_178994	sig	hyper
chr5	1.8E+08	1.8E+08	*	0	0	0.213482	chr5_179023601_179023	sig	hyper
chr5	1.8E+08	1.8E+08	*	4.313E-22	6.759E-22	-0.10055	chr5_179051201_179051	sig	hypo
chr5	1.8E+08	1.8E+08	*	3.127E-62	1.007E-61	0.19617	chr5_179060201_179060	sig	hyper
chr5	1.8E+08	1.8E+08	*	1.01E-135	8.81E-135	0.151509	chr5_179060401_179060	sig	hyper
chr5	1.8E+08	1.8E+08	*	1.82E-122	1.33E-121	0.251006	chr5_179060601_179060	sig	hyper
chr5	1.8E+08	1.8E+08	*	3.56E-140	3.28E-139	0.272842	chr5_179060801_179061	sig	hyper
chr5	1.8E+08	1.8E+08	*	1.959E-38	4.31E-38	0.123128	chr5_179061001_179061	sig	hyper
chr5	1.8E+08	1.8E+08	*	3.547E-74	1.353E-73	-0.19885	chr5_179124601_179124	sig	hypo
chr5	1.8E+08	1.8E+08	*	1.557E-35	3.251E-35	-0.15416	chr5_179137801_179138	sig	hypo
chr5	1.8E+08	1.8E+08	*	5.044E-29	9.246E-29	-0.12762	chr5_179138801_179139	sig	hypo
chr5	1.8E+08	1.8E+08	*	6.884E-56	2.017E-55	-0.23534	chr5_179209801_179210	sig	hypo
chr5	1.8E+08	1.8E+08	*	1.847E-22	2.922E-22	-0.15776	chr5_179285601_179285	sig	hypo
chr5	1.8E+08	1.8E+08	*	5.809E-23	9.317E-23	0.117269	chr5_179314201_179314	sig	hyper
chr5	1.8E+08	1.8E+08	*	8.322E-46	2.069E-45	-0.25302	chr5_179349001_179349	sig	hypo
chr5	1.8E+08	1.8E+08	*	1.03E-24	1.722E-24	0.127593	chr5_179518401_179518	sig	hyper

chr5	1.8E+08	1.8E+08	*	7.629E-60	2.371E-59	-0.12778	chr5_179529801_179530(	sig	hypo
chr5	1.8E+08	1.8E+08	*	1.639E-78	6.662E-78	0.208105	chr5_179530401_179530(	sig	hyper
chr5	1.8E+08	1.8E+08	*	7.709E-44	1.858E-43	0.259488	chr5_179679201_179679-	sig	hyper
chr5	1.8E+08	1.8E+08	*	4.435E-24	7.302E-24	0.137997	chr5_179794001_179794:	sig	hyper
chr5	1.8E+08	1.8E+08	*	5.89E-132	4.89E-131	0.260565	chr5_179801801_179802(	sig	hyper
chr5	1.8E+08	1.8E+08	*	1.243E-26	2.172E-26	-0.10136	chr5_179840401_179840(	sig	hypo
chr5	1.8E+08	1.8E+08	*	1.86E-117	1.28E-116	-0.24259	chr5_179966801_179967(	sig	hypo
chr5	1.8E+08	1.8E+08	*	2.202E-93	1.096E-92	0.25185	chr5_180090001_180090:	sig	hyper
chr5	1.8E+08	1.8E+08	*	1.356E-21	2.101E-21	-0.1266	chr5_180314001_180314:	sig	hypo
chr5	1.8E+08	1.8E+08	*	4.332E-28	7.789E-28	-0.10348	chr5_180316601_180316(	sig	hypo
chr5	1.8E+08	1.8E+08	*	1.635E-36	3.478E-36	-0.10922	chr5_180328401_180328(	sig	hypo
chr5	1.8E+08	1.8E+08	*	4.829E-57	1.44E-56	0.106663	chr5_180591401_180591(	sig	hyper
chr5	1.8E+08	1.8E+08	*	8.419E-62	2.698E-61	-0.23755	chr5_180609201_180609-	sig	hypo
chr5	1.8E+08	1.8E+08	*	2.201E-96	1.145E-95	-0.28837	chr5_180629201_180629-	sig	hypo
chr5	1.8E+08	1.8E+08	*	8.152E-42	1.901E-41	-0.15924	chr5_180644601_180644(	sig	hypo
chr5	1.8E+08	1.8E+08	*	1.135E-25	1.94E-25	-0.11765	chr5_180684801_180685(	sig	hypo
chr5	1.8E+08	1.8E+08	*	2.069E-34	4.23E-34	-0.1453	chr5_180804001_180804:	sig	hypo
chr5	1.8E+08	1.8E+08	*	6.559E-39	1.455E-38	0.148413	chr5_181052601_181052(	sig	hyper
chr5	1.8E+08	1.8E+08	*	0	0	0.248657	chr5_181059601_181059(	sig	hyper
chr5	1.8E+08	1.8E+08	*	0	0	0.29132	chr5_181100401_181100(	sig	hyper
chr5	1.8E+08	1.8E+08	*	1.05E-194	2.05E-193	0.311357	chr5_181100601_181100(	sig	hyper
chr5	1.8E+08	1.8E+08	*	8.153E-26	1.399E-25	-0.13789	chr5_181114001_181114:	sig	hypo
chr5	1.8E+08	1.8E+08	*	1.348E-71	4.962E-71	0.254855	chr5_181114601_181114(	sig	hyper
chr5	1.8E+08	1.8E+08	*	8.58E-181	1.38E-179	0.285196	chr5_181114801_181115(	sig	hyper
chr5	1.8E+08	1.8E+08	*	7.93E-222	2.19E-220	0.238953	chr5_181173801_181174(	sig	hyper
chr5	1.8E+08	1.8E+08	*	8.78E-79	3.583E-78	0.301497	chr5_181174201_181174-	sig	hyper
chr5	1.8E+08	1.8E+08	*	7.036E-49	1.845E-48	0.157851	chr5_181195001_181195:	sig	hyper
chr5	1.8E+08	1.8E+08	*	1.008E-40	2.306E-40	0.117814	chr5_181195201_181195-	sig	hyper
chr5	1.8E+08	1.8E+08	*	3.308E-33	6.6E-33	0.155967	chr5_181195401_181195(	sig	hyper
chr5	1.8E+08	1.8E+08	*	9.83E-161	1.2E-159	0.196237	chr5_181219601_181219(	sig	hyper
chr5	1.8E+08	1.8E+08	*	3.718E-19	5.414E-19	-0.12828	chr5_181224401_181224(	sig	hypo
chr5	1.8E+08	1.8E+08	*	1.565E-12	1.869E-12	-0.10441	chr5_181224601_181224(	sig	hypo
chr5	1.8E+08	1.8E+08	*	4.301E-17	5.911E-17	-0.11226	chr5_181244801_181245(	sig	hypo
chr6	209601	209800	*	1.569E-30	2.965E-30	-0.1385	chr6_209601_209800	sig	hypo
chr6	341201	341400	*	2.909E-41	6.715E-41	-0.11756	chr6_341201_341400	sig	hypo
chr6	362001	362200	*	8.348E-15	1.076E-14	-0.10055	chr6_362001_362200	sig	hypo
chr6	387001	387200	*	4.621E-44	1.118E-43	-0.16739	chr6_387001_387200	sig	hypo
chr6	391201	391400	*	1.43E-215	3.68E-214	0.316685	chr6_391201_391400	sig	hyper
chr6	393201	393400	*	1.04E-155	1.19E-154	0.282366	chr6_393201_393400	sig	hyper
chr6	401401	401600	*	9.03E-44	2.174E-43	-0.15749	chr6_401401_401600	sig	hypo
chr6	436601	436800	*	3.17E-234	1.03E-232	-0.39682	chr6_436601_436800	sig	hypo
chr6	436801	437000	*	7.195E-34	1.453E-33	-0.12061	chr6_436801_437000	sig	hypo
chr6	448801	449000	*	5.17E-20	7.702E-20	-0.11723	chr6_448801_449000	sig	hypo
chr6	466801	467000	*	1.89E-19	2.772E-19	-0.12711	chr6_466801_467000	sig	hypo
chr6	467201	467400	*	1.44E-29	2.669E-29	-0.11301	chr6_467201_467400	sig	hypo
chr6	589201	589400	*	1.48E-284	8.97E-283	0.191107	chr6_589201_589400	sig	hyper
chr6	589401	589600	*	1.687E-74	6.467E-74	0.176583	chr6_589401_589600	sig	hyper
chr6	596001	596200	*	4.457E-72	1.651E-71	0.136584	chr6_596001_596200	sig	hyper
chr6	596201	596400	*	8.94E-83	3.857E-82	0.159048	chr6_596201_596400	sig	hyper
chr6	1080801	1081000	*	8.524E-45	2.087E-44	-0.11969	chr6_1080801_1081000	sig	hypo
chr6	1378801	1379000	*	1.412E-36	3.008E-36	0.107672	chr6_1378801_1379000	sig	hyper
chr6	1379401	1379600	*	7.678E-30	1.431E-29	0.117803	chr6_1379401_1379600	sig	hyper
chr6	1388801	1389000	*	3.016E-63	9.866E-63	0.179908	chr6_1388801_1389000	sig	hyper
chr6	1394801	1395000	*	3.451E-23	5.567E-23	0.108648	chr6_1394801_1395000	sig	hyper
chr6	1400201	1400400	*	1.914E-29	3.537E-29	-0.12501	chr6_1400201_1400400	sig	hypo
chr6	1555201	1555400	*	1.726E-57	5.186E-57	0.159473	chr6_1555201_1555400	sig	hyper

chr6	1594201	1594400	*	5.225E-89	2.461E-88	-0.25149	chr6_1594201_1594400	sig	hypo
chr6	1601001	1601200	*	3.163E-40	7.182E-40	-0.15351	chr6_1601001_1601200	sig	hypo
chr6	1601201	1601400	*	5.706E-56	1.674E-55	-0.17644	chr6_1601201_1601400	sig	hypo
chr6	1601401	1601600	*	3.947E-46	9.869E-46	-0.11088	chr6_1601401_1601600	sig	hypo
chr6	1606001	1606200	*	1.477E-40	3.371E-40	0.120872	chr6_1606001_1606200	sig	hyper
chr6	1608201	1608400	*	1.93E-67	6.702E-67	0.144788	chr6_1608201_1608400	sig	hyper
chr6	1624601	1624800	*	8.16E-91	3.937E-90	0.282427	chr6_1624601_1624800	sig	hyper
chr6	1625001	1625200	*	4.145E-94	2.084E-93	0.261576	chr6_1625001_1625200	sig	hyper
chr6	1625201	1625400	*	1.56E-161	1.93E-160	0.241755	chr6_1625201_1625400	sig	hyper
chr6	1635401	1635600	*	9.725E-74	3.685E-73	0.198579	chr6_1635401_1635600	sig	hyper
chr6	2637201	2637400	*	1.823E-22	2.885E-22	-0.10401	chr6_2637201_2637400	sig	hypo
chr6	2697401	2697600	*	1.06E-34	2.178E-34	-0.14975	chr6_2697401_2697600	sig	hypo
chr6	2891601	2891800	*	1.023E-94	5.205E-94	-0.30229	chr6_2891601_2891800	sig	hypo
chr6	3023201	3023400	*	2.087E-35	4.348E-35	-0.1197	chr6_3023201_3023400	sig	hypo
chr6	3023601	3023800	*	1.138E-41	2.648E-41	-0.13446	chr6_3023601_3023800	sig	hypo
chr6	3054601	3054800	*	2.061E-18	2.94E-18	0.102803	chr6_3054601_3054800	sig	hyper
chr6	3160201	3160400	*	6.806E-70	2.446E-69	-0.21073	chr6_3160201_3160400	sig	hypo
chr6	3270201	3270400	*	3.965E-37	8.532E-37	-0.17097	chr6_3270201_3270400	sig	hypo
chr6	3455201	3455400	*	6.381E-47	1.621E-46	-0.15964	chr6_3455201_3455400	sig	hypo
chr6	3722801	3723000	*	4.255E-65	1.431E-64	0.22287	chr6_3722801_3723000	sig	hyper
chr6	3743201	3743400	*	1.383E-25	2.358E-25	0.13464	chr6_3743201_3743400	sig	hyper
chr6	3752401	3752600	*	3.194E-57	9.561E-57	0.187523	chr6_3752401_3752600	sig	hyper
chr6	3771601	3771800	*	5.63E-42	1.317E-41	0.110974	chr6_3771601_3771800	sig	hyper
chr6	3825601	3825800	*	1.07E-226	3.14E-225	0.333263	chr6_3825601_3825800	sig	hyper
chr6	3849801	3850000	*	3.175E-16	4.257E-16	0.132104	chr6_3849801_3850000	sig	hyper
chr6	4482801	4483000	*	4.402E-20	6.572E-20	-0.10175	chr6_4482801_4483000	sig	hypo
chr6	5994201	5994400	*	2.321E-50	6.221E-50	0.202193	chr6_5994201_5994400	sig	hyper
chr6	5994801	5995000	*	1.185E-85	5.314E-85	0.285756	chr6_5994801_5995000	sig	hyper
chr6	5995401	5995600	*	1.648E-25	2.804E-25	0.159566	chr6_5995401_5995600	sig	hyper
chr6	5995801	5996000	*	1.747E-74	6.695E-74	0.146449	chr6_5995801_5996000	sig	hyper
chr6	5996001	5996200	*	2.259E-85	1.01E-84	0.119015	chr6_5996001_5996200	sig	hyper
chr6	5999001	5999200	*	1.48E-196	2.96E-195	0.249725	chr6_5999001_5999200	sig	hyper
chr6	5999401	5999600	*	2.011E-55	5.848E-55	0.106966	chr6_5999401_5999600	sig	hyper
chr6	6003001	6003200	*	1.12E-131	9.24E-131	0.254469	chr6_6003001_6003200	sig	hyper
chr6	6004001	6004200	*	1.846E-67	6.41E-67	0.281109	chr6_6004001_6004200	sig	hyper
chr6	6004601	6004800	*	1.49E-185	2.56E-184	0.238119	chr6_6004601_6004800	sig	hyper
chr6	6006401	6006600	*	3.772E-76	1.482E-75	0.244591	chr6_6006401_6006600	sig	hyper
chr6	6006601	6006800	*	4.016E-39	8.944E-39	0.152623	chr6_6006601_6006800	sig	hyper
chr6	6546801	6547000	*	7.562E-29	1.381E-28	0.13742	chr6_6546801_6547000	sig	hyper
chr6	6736801	6737000	*	1.886E-50	5.058E-50	0.233902	chr6_6736801_6737000	sig	hyper
chr6	7051201	7051400	*	6.97E-115	4.66E-114	-0.17079	chr6_7051201_7051400	sig	hypo
chr6	7427001	7427200	*	7.06E-110	4.39E-109	0.297713	chr6_7427001_7427200	sig	hyper
chr6	7468401	7468600	*	9.209E-54	2.607E-53	-0.2024	chr6_7468401_7468600	sig	hypo
chr6	7468601	7468800	*	6.382E-63	2.074E-62	-0.2179	chr6_7468601_7468800	sig	hypo
chr6	7591001	7591200	*	2.218E-52	6.13E-52	-0.21375	chr6_7591001_7591200	sig	hypo
chr6	7728801	7729000	*	1.731E-30	3.267E-30	0.116328	chr6_7728801_7729000	sig	hyper
chr6	1E+07	1E+07	*	9.502E-36	1.989E-35	-0.17428	chr6_10099201_1009940(	sig	hypo
chr6	1E+07	1E+07	*	3.333E-25	5.629E-25	-0.13723	chr6_10099401_1009960(	sig	hypo
chr6	1E+07	1E+07	*	4.155E-66	1.417E-65	0.252971	chr6_10381401_1038160(	sig	hyper
chr6	1E+07	1E+07	*	2.827E-31	5.421E-31	0.144828	chr6_10382401_1038260(	sig	hyper
chr6	1E+07	1E+07	*	7.764E-68	2.71E-67	0.247784	chr6_10382601_1038280(	sig	hyper
chr6	1E+07	1E+07	*	0	0	0.330612	chr6_10384801_1038500(	sig	hyper
chr6	1E+07	1E+07	*	1.23E-129	9.85E-129	0.355605	chr6_10385001_1038520(	sig	hyper
chr6	1E+07	1E+07	*	8.43E-80	3.493E-79	0.272608	chr6_10385201_1038540(	sig	hyper
chr6	1E+07	1E+07	*	1.95E-103	1.1E-102	0.264313	chr6_10385601_1038580(	sig	hyper
chr6	1E+07	1E+07	*	1.13E-121	8.2E-121	0.284674	chr6_10389801_1039000(	sig	hyper

chr6	1E+07	1E+07	*	2.62E-33	5.237E-33	0.229395	chr6_10390001_1039020(	sig	hyper
chr6	1E+07	1E+07	*	4.89E-129	3.9E-128	0.343859	chr6_10390601_1039080(	sig	hyper
chr6	1E+07	1E+07	*	3.69E-157	4.3E-156	0.346498	chr6_10410201_1041040(	sig	hyper
chr6	1E+07	1E+07	*	8.713E-66	2.958E-65	0.212965	chr6_10411001_1041120(	sig	hyper
chr6	1E+07	1E+07	*	1.608E-51	4.384E-51	0.179127	chr6_10416201_1041640(	sig	hyper
chr6	1E+07	1E+07	*	2.309E-53	6.492E-53	0.252913	chr6_10417001_1041720(	sig	hyper
chr6	1E+07	1E+07	*	2.26E-146	2.27E-145	0.221655	chr6_10417401_1041760(	sig	hyper
chr6	1E+07	1E+07	*	2.66E-121	1.92E-120	0.266396	chr6_10419001_1041920(	sig	hyper
chr6	1E+07	1E+07	*	2.442E-74	9.34E-74	0.150955	chr6_10421201_1042140(	sig	hyper
chr6	1E+07	1E+07	*	4.94E-156	5.67E-155	0.316701	chr6_10422001_1042220(	sig	hyper
chr6	1E+07	1E+07	*	1.7E-142	1.62E-141	0.286302	chr6_10422201_1042240(	sig	hyper
chr6	1E+07	1E+07	*	4.328E-73	1.624E-72	0.230859	chr6_10425201_1042540(	sig	hyper
chr6	1E+07	1E+07	*	7.884E-83	3.404E-82	0.256718	chr6_10425401_1042560(	sig	hyper
chr6	1E+07	1E+07	*	1.929E-43	4.616E-43	-0.14638	chr6_10495001_1049520(	sig	hypo
chr6	1.1E+07	1.1E+07	*	2.57E-203	5.63E-202	0.259912	chr6_10881601_1088180(	sig	hyper
chr6	1.1E+07	1.1E+07	*	1.59E-210	3.83E-209	0.292207	chr6_10882801_1088300(	sig	hyper
chr6	1.1E+07	1.1E+07	*	6.899E-82	2.938E-81	0.267722	chr6_10883601_1088380(	sig	hyper
chr6	1.1E+07	1.1E+07	*	7.6E-91	3.669E-90	0.295918	chr6_10883801_1088400(	sig	hyper
chr6	1.1E+07	1.1E+07	*	4.66E-149	4.89E-148	0.234824	chr6_10886801_1088700(	sig	hyper
chr6	1.1E+07	1.1E+07	*	1.392E-70	5.049E-70	0.19375	chr6_10887001_1088720(	sig	hyper
chr6	1.1E+07	1.1E+07	*	2.64E-197	5.35E-196	0.303946	chr6_10887201_1088740(	sig	hyper
chr6	1.3E+07	1.3E+07	*	2.905E-82	1.244E-81	0.243674	chr6_12749001_1274920(	sig	hyper
chr6	1.3E+07	1.3E+07	*	2.838E-59	8.739E-59	0.27921	chr6_12749601_1274980(	sig	hyper
chr6	1.3E+07	1.3E+07	*	4.764E-50	1.272E-49	0.17729	chr6_13014601_1301480(	sig	hyper
chr6	1.3E+07	1.3E+07	*	1.103E-81	4.681E-81	0.195079	chr6_13014801_1301500(	sig	hyper
chr6	1.4E+07	1.4E+07	*	1.91E-137	1.7E-136	0.307195	chr6_13860201_1386040(	sig	hyper
chr6	1.5E+07	1.5E+07	*	4.755E-45	1.168E-44	0.159322	chr6_14917001_1491720(	sig	hyper
chr6	1.6E+07	1.6E+07	*	9.41E-109	5.76E-108	0.302149	chr6_15504601_1550480(	sig	hyper
chr6	1.6E+07	1.6E+07	*	5.724E-29	1.048E-28	0.128908	chr6_16181001_1618120(	sig	hyper
chr6	1.6E+07	1.6E+07	*	1.249E-56	3.7E-56	0.160351	chr6_16216801_1621700(	sig	hyper
chr6	2E+07	2E+07	*	9.473E-40	2.13E-39	0.11459	chr6_19836801_1983700(	sig	hyper
chr6	2.2E+07	2.2E+07	*	1.87E-237	6.36E-236	0.279536	chr6_22294401_2229460(	sig	hyper
chr6	2.4E+07	2.4E+07	*	8.553E-54	2.423E-53	0.115108	chr6_24494401_2449460(	sig	hyper
chr6	2.5E+07	2.5E+07	*	6.139E-32	1.193E-31	0.127454	chr6_25139601_2513980(	sig	hyper
chr6	2.5E+07	2.5E+07	*	1.089E-29	2.024E-29	0.142844	chr6_25218601_2521880(	sig	hyper
chr6	2.6E+07	2.6E+07	*	3.728E-27	6.587E-27	0.103317	chr6_25652201_2565240(	sig	hyper
chr6	2.6E+07	2.6E+07	*	5.703E-43	1.354E-42	-0.11679	chr6_25726201_2572640(	sig	hypo
chr6	2.6E+07	2.6E+07	*	1.058E-27	1.891E-27	0.144162	chr6_25732601_2573280(	sig	hyper
chr6	2.6E+07	2.6E+07	*	2.756E-40	6.263E-40	0.172584	chr6_25882201_2588240(	sig	hyper
chr6	2.6E+07	2.6E+07	*	1.613E-59	4.985E-59	0.222434	chr6_26017201_2601740(	sig	hyper
chr6	2.6E+07	2.6E+07	*	3.726E-55	1.078E-54	0.244902	chr6_26017601_2601780(	sig	hyper
chr6	2.6E+07	2.6E+07	*	3.43E-140	3.17E-139	0.197142	chr6_26017801_2601800(	sig	hyper
chr6	2.6E+07	2.6E+07	*	0	0	0.356663	chr6_26225001_2622520(	sig	hyper
chr6	2.6E+07	2.6E+07	*	0	0	0.384443	chr6_26225201_2622540(	sig	hyper
chr6	2.6E+07	2.6E+07	*	6.07E-94	3.046E-93	0.154634	chr6_26225401_2622560(	sig	hyper
chr6	2.7E+07	2.7E+07	*	1.666E-32	3.273E-32	0.135356	chr6_26501401_2650160(	sig	hyper
chr6	2.7E+07	2.7E+07	*	4.496E-74	1.713E-73	0.101697	chr6_26569201_2656940(	sig	hyper
chr6	2.7E+07	2.7E+07	*	2.068E-28	3.743E-28	0.117478	chr6_26597801_2659800(	sig	hyper
chr6	2.7E+07	2.7E+07	*	4.003E-83	1.735E-82	0.33159	chr6_26743001_2674320(	sig	hyper
chr6	2.7E+07	2.7E+07	*	2.79E-227	8.28E-226	0.349282	chr6_26743401_2674360(	sig	hyper
chr6	2.7E+07	2.7E+07	*	4.44E-142	4.21E-141	0.287386	chr6_26744001_2674420(	sig	hyper
chr6	2.7E+07	2.7E+07	*	8.96E-90	4.26E-89	0.220729	chr6_27050201_2705040(	sig	hyper
chr6	2.7E+07	2.7E+07	*	2.48E-177	3.79E-176	0.267974	chr6_27213801_2721400(	sig	hyper
chr6	2.7E+07	2.7E+07	*	2.834E-62	9.134E-62	0.109973	chr6_27235401_2723560(	sig	hyper
chr6	2.7E+07	2.7E+07	*	5.05E-142	4.78E-141	0.302605	chr6_27260201_2726040(	sig	hyper
chr6	2.7E+07	2.7E+07	*	1.29E-248	5.1E-247	0.256202	chr6_27260401_2726060(	sig	hyper

chr6	2.7E+07	2.7E+07	*	2.93E-158	3.47E-157	0.21528	chr6_27268001_2726820(	sig	hyper
chr6	2.7E+07	2.7E+07	*	5.26E-211	1.28E-209	0.278167	chr6_27275201_2727540(	sig	hyper
chr6	2.7E+07	2.7E+07	*	4.82E-99	2.586E-98	0.241522	chr6_27291201_2729140(	sig	hyper
chr6	2.7E+07	2.7E+07	*	2.2E-291	1.47E-289	0.175174	chr6_27312201_2731240(	sig	hyper
chr6	2.7E+07	2.7E+07	*	4.319E-66	1.472E-65	0.167785	chr6_27423001_2742320(	sig	hyper
chr6	2.7E+07	2.7E+07	*	2.43E-285	1.5E-283	0.230789	chr6_27495401_2749560(	sig	hyper
chr6	2.8E+07	2.8E+07	*	4.21E-80	1.752E-79	0.236379	chr6_27515001_2751520(	sig	hyper
chr6	2.8E+07	2.8E+07	*	9.51E-67	3.269E-66	0.173421	chr6_27515201_2751540(	sig	hyper
chr6	2.8E+07	2.8E+07	*	1.44E-111	9.17E-111	0.248864	chr6_27545201_2754540(	sig	hyper
chr6	2.8E+07	2.8E+07	*	7.445E-75	2.869E-74	0.222517	chr6_27553401_2755360(	sig	hyper
chr6	2.8E+07	2.8E+07	*	8.3E-124	6.19E-123	0.271297	chr6_27582801_2758300(	sig	hyper
chr6	2.8E+07	2.8E+07	*	8.146E-85	3.615E-84	0.163811	chr6_27592001_2759220(	sig	hyper
chr6	2.8E+07	2.8E+07	*	1.317E-36	2.807E-36	0.116083	chr6_27631401_2763160(	sig	hyper
chr6	2.8E+07	2.8E+07	*	3.3E-165	4.29E-164	0.355924	chr6_27680201_2768040(	sig	hyper
chr6	2.8E+07	2.8E+07	*	4.21E-229	1.27E-227	0.333321	chr6_27680401_2768060(	sig	hyper
chr6	2.8E+07	2.8E+07	*	1.41E-152	1.55E-151	0.281945	chr6_27680601_2768080(	sig	hyper
chr6	2.8E+07	2.8E+07	*	2.208E-96	1.149E-95	0.320922	chr6_27680801_2768100(	sig	hyper
chr6	2.8E+07	2.8E+07	*	7.994E-85	3.548E-84	0.151902	chr6_27738401_2773860(	sig	hyper
chr6	2.8E+07	2.8E+07	*	8.96E-105	5.18E-104	0.262211	chr6_27864001_2786420(	sig	hyper
chr6	2.8E+07	2.8E+07	*	1.75E-125	1.33E-124	0.284774	chr6_27864201_2786440(	sig	hyper
chr6	2.8E+07	2.8E+07	*	1.887E-57	5.668E-57	-0.10759	chr6_27871801_2787200(	sig	hypo
chr6	2.8E+07	2.8E+07	*	6.49E-304	4.99E-302	0.286838	chr6_28091001_2809120(	sig	hyper
chr6	2.8E+07	2.8E+07	*	5.93E-178	9.14E-177	0.26927	chr6_28259201_2825940(	sig	hyper
chr6	2.8E+07	2.8E+07	*	2.462E-64	8.195E-64	0.285531	chr6_28259401_2825960(	sig	hyper
chr6	2.8E+07	2.8E+07	*	7.739E-77	3.073E-76	0.21401	chr6_28259601_2825980(	sig	hyper
chr6	2.8E+07	2.8E+07	*	1.025E-50	2.76E-50	-0.17462	chr6_28478601_2847880(	sig	hypo
chr6	2.8E+07	2.8E+07	*	9.738E-87	4.435E-86	0.237714	chr6_28490001_2849020(	sig	hyper
chr6	2.9E+07	2.9E+07	*	3.555E-48	9.214E-48	-0.19238	chr6_28525801_2852600(	sig	hypo
chr6	2.9E+07	2.9E+07	*	1.911E-17	2.653E-17	0.111228	chr6_28633401_2863360(	sig	hyper
chr6	2.9E+07	2.9E+07	*	9.045E-42	2.108E-41	0.176443	chr6_28633601_2863380(	sig	hyper
chr6	2.9E+07	2.9E+07	*	9.496E-55	2.733E-54	0.181985	chr6_28634601_2863480(	sig	hyper
chr6	2.9E+07	2.9E+07	*	1E-280	5.79E-279	0.310908	chr6_28634801_2863500(	sig	hyper
chr6	2.9E+07	2.9E+07	*	5.95E-282	3.5E-280	0.231995	chr6_28635001_2863520(	sig	hyper
chr6	2.9E+07	2.9E+07	*	6.75E-160	8.16E-159	0.240438	chr6_28635401_2863560(	sig	hyper
chr6	2.9E+07	2.9E+07	*	5.709E-22	8.927E-22	0.137211	chr6_28635801_2863600(	sig	hyper
chr6	2.9E+07	2.9E+07	*	1.151E-76	4.557E-76	0.187234	chr6_28636001_2863620(	sig	hyper
chr6	2.9E+07	2.9E+07	*	8.531E-65	2.855E-64	0.233349	chr6_28765801_2876600(	sig	hyper
chr6	2.9E+07	2.9E+07	*	8.09E-139	7.32E-138	0.302936	chr6_28775801_2877600(	sig	hyper
chr6	2.9E+07	2.9E+07	*	6.891E-51	1.86E-50	0.127811	chr6_28794401_2879460(	sig	hyper
chr6	2.9E+07	2.9E+07	*	3.98E-108	2.41E-107	0.275362	chr6_28810201_2881040(	sig	hyper
chr6	2.9E+07	2.9E+07	*	2.83E-158	3.35E-157	0.238608	chr6_28810401_2881060(	sig	hyper
chr6	2.9E+07	2.9E+07	*	3.556E-35	7.376E-35	0.128325	chr6_28810601_2881080(	sig	hyper
chr6	2.9E+07	2.9E+07	*	1.492E-92	7.329E-92	0.187683	chr6_28810801_2881100(	sig	hyper
chr6	2.9E+07	2.9E+07	*	4.216E-69	1.498E-68	0.269175	chr6_28814201_2881440(	sig	hyper
chr6	2.9E+07	2.9E+07	*	2.86E-135	2.47E-134	0.281574	chr6_28814401_2881460(	sig	hyper
chr6	2.9E+07	2.9E+07	*	1.98E-120	1.41E-119	0.204682	chr6_28816601_2881680(	sig	hyper
chr6	2.9E+07	2.9E+07	*	9.945E-47	2.517E-46	0.165838	chr6_28817001_2881720(	sig	hyper
chr6	2.9E+07	2.9E+07	*	1.092E-97	5.773E-97	0.222815	chr6_28817201_2881740(	sig	hyper
chr6	2.9E+07	2.9E+07	*	1.97E-150	2.12E-149	0.243549	chr6_28825801_2882600(	sig	hyper
chr6	2.9E+07	2.9E+07	*	6.01E-112	3.86E-111	-0.36137	chr6_28865601_2886580(	sig	hypo
chr6	2.9E+07	2.9E+07	*	3.37E-182	5.5E-181	0.191465	chr6_28988401_2898860(	sig	hyper
chr6	2.9E+07	2.9E+07	*	6.85E-189	1.24E-187	0.188527	chr6_28988601_2898880(	sig	hyper
chr6	3E+07	3E+07	*	6.28E-188	1.12E-186	0.261146	chr6_29553201_2955340(	sig	hyper
chr6	3E+07	3E+07	*	7.27E-147	7.38E-146	0.340519	chr6_29553801_2955400(	sig	hyper
chr6	3E+07	3E+07	*	1.07E-206	2.43E-205	0.376389	chr6_29554001_2955420(	sig	hyper
chr6	3E+07	3E+07	*	0	0	-0.33134	chr6_29558601_2955880(	sig	hypo

chr6	3E+07	3E+07	*	1.55E-141	1.46E-140	0.350407	chr6_29627201_2962740(	sig	hyper
chr6	3E+07	3E+07	*	3.463E-19	5.046E-19	-0.11402	chr6_29681201_2968140(	sig	hypo
chr6	3E+07	3E+07	*	1.739E-87	7.999E-87	0.211504	chr6_29755401_2975560(	sig	hyper
chr6	3E+07	3E+07	*	4.13E-144	4.02E-143	0.255806	chr6_29792001_2979220(	sig	hyper
chr6	3E+07	3E+07	*	6.71E-300	4.93E-298	0.337378	chr6_29792201_2979240(	sig	hyper
chr6	3E+07	3E+07	*	8.44E-222	2.33E-220	0.223139	chr6_29792601_2979280(	sig	hyper
chr6	3E+07	3E+07	*	1.22E-114	8.17E-114	0.203093	chr6_29793001_2979320(	sig	hyper
chr6	3E+07	3E+07	*	3.2E-106	1.89E-105	0.212896	chr6_29827601_2982780(	sig	hyper
chr6	3E+07	3E+07	*	3.41E-244	1.28E-242	0.209873	chr6_29828001_2982820(	sig	hyper
chr6	3E+07	3E+07	*	1.655E-93	8.263E-93	0.247667	chr6_29828601_2982880(	sig	hyper
chr6	3E+07	3E+07	*	4.782E-22	7.486E-22	0.106551	chr6_29828801_2982900(	sig	hyper
chr6	3E+07	3E+07	*	2.167E-32	4.249E-32	-0.14045	chr6_29829401_2982960(	sig	hypo
chr6	3E+07	3E+07	*	2.134E-28	3.862E-28	0.129863	chr6_29975201_2997540(	sig	hyper
chr6	3E+07	3E+07	*	3.332E-75	1.292E-74	0.169194	chr6_29975601_2997580(	sig	hyper
chr6	3E+07	3E+07	*	5.922E-87	2.703E-86	0.201217	chr6_30007401_3000760(	sig	hyper
chr6	3E+07	3E+07	*	2.202E-56	6.503E-56	0.141945	chr6_30071001_3007120(	sig	hyper
chr6	3E+07	3E+07	*	3.69E-169	5.06E-168	0.304119	chr6_30071201_3007140(	sig	hyper
chr6	3E+07	3E+07	*	4.536E-59	1.393E-58	0.261664	chr6_30071401_3007160(	sig	hyper
chr6	3E+07	3E+07	*	2.906E-75	1.127E-74	0.228796	chr6_30071601_3007180(	sig	hyper
chr6	3E+07	3E+07	*	1.05E-199	2.21E-198	-0.42828	chr6_30110401_3011060(	sig	hypo
chr6	3E+07	3E+07	*	2.88E-110	1.8E-109	-0.30223	chr6_30111201_3011140(	sig	hypo
chr6	3E+07	3E+07	*	1.611E-41	3.738E-41	-0.15949	chr6_30111601_3011180(	sig	hypo
chr6	3E+07	3E+07	*	5.43E-199	1.13E-197	0.301082	chr6_30127201_3012740(	sig	hyper
chr6	3E+07	3E+07	*	0	0	0.283433	chr6_30127401_3012760(	sig	hyper
chr6	3E+07	3E+07	*	1.99E-219	5.38E-218	0.298073	chr6_30127601_3012780(	sig	hyper
chr6	3E+07	3E+07	*	6.228E-86	2.805E-85	0.261732	chr6_30127801_3012800(	sig	hyper
chr6	3E+07	3E+07	*	5.51E-135	4.75E-134	-0.29719	chr6_30163001_3016320(	sig	hypo
chr6	3E+07	3E+07	*	2.05E-205	4.57E-204	-0.3322	chr6_30163601_3016380(	sig	hypo
chr6	3E+07	3E+07	*	1.05E-125	8.01E-125	-0.29401	chr6_30163801_3016400(	sig	hypo
chr6	3E+07	3E+07	*	2.36E-188	4.22E-187	-0.33574	chr6_30164001_3016420(	sig	hypo
chr6	3E+07	3E+07	*	5.46E-150	5.83E-149	0.290885	chr6_30171601_3017180(	sig	hyper
chr6	3E+07	3E+07	*	3.52E-105	2.05E-104	0.278898	chr6_30171801_3017200(	sig	hyper
chr6	3E+07	3E+07	*	8.74E-235	2.87E-233	0.288696	chr6_30172001_3017220(	sig	hyper
chr6	3E+07	3E+07	*	3.48E-278	1.97E-276	0.33848	chr6_30172201_3017240(	sig	hyper
chr6	3E+07	3E+07	*	1.09E-219	2.95E-218	0.268153	chr6_30172401_3017260(	sig	hyper
chr6	3E+07	3E+07	*	6.01E-103	3.38E-102	0.12173	chr6_30260001_3026020(	sig	hyper
chr6	3E+07	3E+07	*	6.75E-229	2.03E-227	0.265256	chr6_30260201_3026040(	sig	hyper
chr6	3E+07	3E+07	*	5.26E-115	3.53E-114	0.177826	chr6_30260401_3026060(	sig	hyper
chr6	3E+07	3E+07	*	3.833E-81	1.614E-80	0.222649	chr6_30358001_3035820(	sig	hyper
chr6	3E+07	3E+07	*	1.715E-52	4.747E-52	0.247811	chr6_30451401_3045160(	sig	hyper
chr6	3E+07	3E+07	*	1.709E-61	5.441E-61	0.215156	chr6_30451601_3045180(	sig	hyper
chr6	3E+07	3E+07	*	1.451E-63	4.78E-63	0.222882	chr6_30453201_3045340(	sig	hyper
chr6	3E+07	3E+07	*	2.89E-24	4.775E-24	-0.11733	chr6_30491201_3049140(	sig	hypo
chr6	3.1E+07	3.1E+07	*	6.41E-102	3.57E-101	0.248009	chr6_30555401_3055560(	sig	hyper
chr6	3.1E+07	3.1E+07	*	2.352E-19	3.442E-19	0.122115	chr6_30684401_3068460(	sig	hyper
chr6	3.1E+07	3.1E+07	*	8.99E-303	6.77E-301	0.283315	chr6_30685801_3068600(	sig	hyper
chr6	3.1E+07	3.1E+07	*	2.15E-14	2.733E-14	0.111623	chr6_30723601_3072380(	sig	hyper
chr6	3.1E+07	3.1E+07	*	1.015E-42	2.401E-42	0.130756	chr6_30724201_3072440(	sig	hyper
chr6	3.1E+07	3.1E+07	*	3.076E-16	4.127E-16	-0.15817	chr6_30731201_3073140(	sig	hypo
chr6	3.1E+07	3.1E+07	*	1.34E-30	2.536E-30	-0.15106	chr6_30883001_3088320(	sig	hypo
chr6	3.1E+07	3.1E+07	*	2.696E-33	5.388E-33	-0.16428	chr6_30953001_3095320(	sig	hypo
chr6	3.1E+07	3.1E+07	*	9.31E-17	1.268E-16	-0.11907	chr6_31139401_3113960(	sig	hypo
chr6	3.1E+07	3.1E+07	*	8.891E-72	3.28E-71	0.207139	chr6_31143201_3114340(	sig	hyper
chr6	3.1E+07	3.1E+07	*	1.516E-77	6.08E-77	-0.23127	chr6_31186001_3118620(	sig	hypo
chr6	3.1E+07	3.1E+07	*	5.208E-79	2.132E-78	0.133905	chr6_31498801_3149900(	sig	hyper
chr6	3.1E+07	3.1E+07	*	4.79E-45	1.176E-44	0.167735	chr6_31499001_3149920(	sig	hyper

chr6	3.2E+07	3.2E+07	*	4.885E-56	1.434E-55	-0.16452	chr6_31575401_3157560(	sig	hypo
chr6	3.2E+07	3.2E+07	*	5.436E-30	1.016E-29	-0.10656	chr6_31577401_3157760(	sig	hypo
chr6	3.2E+07	3.2E+07	*	8.48E-57	2.518E-56	0.195329	chr6_31580601_3158080(	sig	hyper
chr6	3.2E+07	3.2E+07	*	1.269E-13	1.574E-13	0.106507	chr6_31622801_3162300(	sig	hyper
chr6	3.2E+07	3.2E+07	*	4.521E-53	1.265E-52	0.186499	chr6_31663801_3166400(	sig	hyper
chr6	3.2E+07	3.2E+07	*	0	0	0.353613	chr6_31728401_3172860(	sig	hyper
chr6	3.2E+07	3.2E+07	*	1.64E-210	3.93E-209	0.330531	chr6_31728601_3172880(	sig	hyper
chr6	3.2E+07	3.2E+07	*	0	0	0.28173	chr6_31728801_3172900(	sig	hyper
chr6	3.2E+07	3.2E+07	*	1.02E-155	1.16E-154	-0.24993	chr6_31730801_3173100(	sig	hypo
chr6	3.2E+07	3.2E+07	*	6.61E-59	2.026E-58	0.152614	chr6_31765801_3176600(	sig	hyper
chr6	3.2E+07	3.2E+07	*	1.75E-122	1.28E-121	0.251221	chr6_31766001_3176620(	sig	hyper
chr6	3.2E+07	3.2E+07	*	0	0	0.489413	chr6_31766401_3176660(	sig	hyper
chr6	3.2E+07	3.2E+07	*	0	0	0.508615	chr6_31766601_3176680(	sig	hyper
chr6	3.2E+07	3.2E+07	*	3.46E-114	2.29E-113	-0.16617	chr6_31776001_3177620(	sig	hypo
chr6	3.2E+07	3.2E+07	*	1.789E-12	2.131E-12	-0.11097	chr6_31776601_3177680(	sig	hypo
chr6	3.2E+07	3.2E+07	*	1.524E-87	7.016E-87	0.174629	chr6_31815201_3181540(	sig	hyper
chr6	3.2E+07	3.2E+07	*	1.953E-23	3.166E-23	-0.13373	chr6_31852801_3185300(	sig	hypo
chr6	3.2E+07	3.2E+07	*	3.119E-47	7.963E-47	0.127088	chr6_31862001_3186220(	sig	hyper
chr6	3.2E+07	3.2E+07	*	1.842E-22	2.916E-22	-0.14247	chr6_31879201_3187940(	sig	hypo
chr6	3.2E+07	3.2E+07	*	5.55E-147	5.64E-146	-0.33034	chr6_31927401_3192760(	sig	hypo
chr6	3.2E+07	3.2E+07	*	2.88E-103	1.63E-102	-0.2468	chr6_31946401_3194660(	sig	hypo
chr6	3.2E+07	3.2E+07	*	4.722E-22	7.394E-22	-0.11116	chr6_31970801_3197100(	sig	hypo
chr6	3.2E+07	3.2E+07	*	5.635E-32	1.096E-31	-0.13416	chr6_31971001_3197120(	sig	hypo
chr6	3.2E+07	3.2E+07	*	7.223E-18	1.015E-17	-0.12719	chr6_32011001_3201120(	sig	hypo
chr6	3.2E+07	3.2E+07	*	4.469E-20	6.669E-20	0.110676	chr6_32013001_3201320(	sig	hyper
chr6	3.2E+07	3.2E+07	*	1.221E-23	1.989E-23	-0.14612	chr6_32039801_3204000(	sig	hypo
chr6	3.2E+07	3.2E+07	*	1.303E-62	4.218E-62	-0.15254	chr6_32052601_3205280(	sig	hypo
chr6	3.2E+07	3.2E+07	*	1.93E-122	1.41E-121	-0.20342	chr6_32053401_3205360(	sig	hypo
chr6	3.2E+07	3.2E+07	*	2.912E-72	1.08E-71	-0.1947	chr6_32056601_3205680(	sig	hypo
chr6	3.2E+07	3.2E+07	*	1.67E-202	3.63E-201	-0.27148	chr6_32058001_3205820(	sig	hypo
chr6	3.2E+07	3.2E+07	*	2.304E-20	3.462E-20	-0.12902	chr6_32058401_3205860(	sig	hypo
chr6	3.2E+07	3.2E+07	*	6.415E-69	2.274E-68	-0.23732	chr6_32058801_3205900(	sig	hypo
chr6	3.2E+07	3.2E+07	*	3.216E-78	1.302E-77	-0.19259	chr6_32062201_3206240(	sig	hypo
chr6	3.2E+07	3.2E+07	*	7.69E-43	1.823E-42	-0.12637	chr6_32067801_3206800(	sig	hypo
chr6	3.2E+07	3.2E+07	*	7.949E-33	1.573E-32	-0.10374	chr6_32068401_3206860(	sig	hypo
chr6	3.2E+07	3.2E+07	*	1.747E-31	3.363E-31	-0.11422	chr6_32068601_3206880(	sig	hypo
chr6	3.2E+07	3.2E+07	*	3.044E-29	5.602E-29	-0.10156	chr6_32068801_3206900(	sig	hypo
chr6	3.2E+07	3.2E+07	*	5.11E-102	2.85E-101	-0.24696	chr6_32069001_3206920(	sig	hypo
chr6	3.2E+07	3.2E+07	*	8.985E-56	2.628E-55	-0.18266	chr6_32070201_3207040(	sig	hypo
chr6	3.2E+07	3.2E+07	*	1.095E-54	3.148E-54	-0.16114	chr6_32072001_3207220(	sig	hypo
chr6	3.2E+07	3.2E+07	*	4.715E-38	1.031E-37	-0.10084	chr6_32073601_3207380(	sig	hypo
chr6	3.2E+07	3.2E+07	*	3.328E-29	6.119E-29	-0.11523	chr6_32079201_3207940(	sig	hypo
chr6	3.2E+07	3.2E+07	*	2.413E-34	4.927E-34	-0.11753	chr6_32082001_3208220(	sig	hypo
chr6	3.2E+07	3.2E+07	*	1.468E-43	3.521E-43	-0.13405	chr6_32085801_3208600(	sig	hypo
chr6	3.2E+07	3.2E+07	*	1.26E-37	2.739E-37	-0.18712	chr6_32087001_3208720(	sig	hypo
chr6	3.2E+07	3.2E+07	*	2.183E-22	3.449E-22	-0.10397	chr6_32095601_3209580(	sig	hypo
chr6	3.2E+07	3.2E+07	*	1.404E-21	2.175E-21	-0.10773	chr6_32095801_3209600(	sig	hypo
chr6	3.2E+07	3.2E+07	*	5.74E-100	3.11E-99	0.167723	chr6_32096201_3209640(	sig	hyper
chr6	3.2E+07	3.2E+07	*	7.64E-156	8.75E-155	0.208917	chr6_32096401_3209660(	sig	hyper
chr6	3.2E+07	3.2E+07	*	7.304E-82	3.11E-81	0.133359	chr6_32096601_3209680(	sig	hyper
chr6	3.2E+07	3.2E+07	*	2.419E-23	3.914E-23	0.124782	chr6_32096801_3209700(	sig	hyper
chr6	3.2E+07	3.2E+07	*	2.358E-33	4.718E-33	0.151951	chr6_32148201_3214840(	sig	hyper
chr6	3.2E+07	3.2E+07	*	3.378E-25	5.703E-25	0.134325	chr6_32148401_3214860(	sig	hyper
chr6	3.2E+07	3.2E+07	*	2.86E-14	3.618E-14	0.146508	chr6_32148801_3214900(	sig	hyper
chr6	3.2E+07	3.2E+07	*	2.704E-46	6.79E-46	0.252045	chr6_32152001_3215220(	sig	hyper
chr6	3.2E+07	3.2E+07	*	1.2E-186	2.11E-185	0.266608	chr6_32153001_3215320(	sig	hyper

chr6	3.2E+07	3.2E+07	*	2.051E-39	4.585E-39	0.10229	chr6_32153401_3215360(	sig	hyper
chr6	3.2E+07	3.2E+07	*	5.86E-115	3.92E-114	0.151216	chr6_32166801_3216700(	sig	hyper
chr6	3.2E+07	3.2E+07	*	4.397E-27	7.758E-27	0.142976	chr6_32197201_3219740(	sig	hyper
chr6	3.2E+07	3.2E+07	*	1.066E-46	2.695E-46	-0.15858	chr6_32204201_3220440(	sig	hypo
chr6	3.2E+07	3.2E+07	*	2.149E-32	4.214E-32	-0.14228	chr6_32218001_3221820(	sig	hypo
chr6	3.2E+07	3.2E+07	*	2.417E-79	9.954E-79	-0.22367	chr6_32218201_3221840(	sig	hypo
chr6	3.2E+07	3.2E+07	*	8.308E-96	4.294E-95	-0.20454	chr6_32394801_3239500(	sig	hypo
chr6	3.2E+07	3.2E+07	*	1.106E-39	2.483E-39	-0.16355	chr6_32395401_3239560(	sig	hypo
chr6	3.3E+07	3.3E+07	*	2.282E-85	1.02E-84	0.231151	chr6_32761601_3276180(	sig	hyper
chr6	3.3E+07	3.3E+07	*	8.655E-60	2.685E-59	0.207645	chr6_32761801_3276200(	sig	hyper
chr6	3.3E+07	3.3E+07	*	2.133E-28	3.86E-28	-0.11721	chr6_32852401_3285260(	sig	hypo
chr6	3.3E+07	3.3E+07	*	2.85E-263	1.33E-261	-0.40215	chr6_32855001_3285520(	sig	hypo
chr6	3.3E+07	3.3E+07	*	1.252E-21	1.942E-21	0.106456	chr6_32879601_3287980(	sig	hyper
chr6	3.3E+07	3.3E+07	*	4.6E-129	3.67E-128	0.16038	chr6_32879801_3288000(	sig	hyper
chr6	3.3E+07	3.3E+07	*	3.682E-94	1.855E-93	-0.26578	chr6_33076001_3307620(	sig	hypo
chr6	3.3E+07	3.3E+07	*	0	0	0.461928	chr6_33080601_3308080(	sig	hyper
chr6	3.3E+07	3.3E+07	*	1.51E-135	1.31E-134	0.466343	chr6_33080801_3308100(	sig	hyper
chr6	3.3E+07	3.3E+07	*	6.052E-18	8.52E-18	0.139784	chr6_33081001_3308120(	sig	hyper
chr6	3.3E+07	3.3E+07	*	3.14E-104	1.8E-103	0.147363	chr6_33117001_3311720(	sig	hyper
chr6	3.3E+07	3.3E+07	*	1.384E-75	5.396E-75	0.220822	chr6_33161201_3316140(	sig	hyper
chr6	3.3E+07	3.3E+07	*	2.77E-46	6.954E-46	-0.11429	chr6_33165601_3316580(	sig	hypo
chr6	3.3E+07	3.3E+07	*	1.928E-23	3.125E-23	-0.12692	chr6_33175201_3317540(	sig	hypo
chr6	3.3E+07	3.3E+07	*	6.602E-60	2.053E-59	0.200544	chr6_33193401_3319360(	sig	hyper
chr6	3.3E+07	3.3E+07	*	6.35E-51	1.714E-50	-0.20404	chr6_33276401_3327660(	sig	hypo
chr6	3.3E+07	3.3E+07	*	1.41E-117	9.75E-117	0.232618	chr6_33277601_3327780(	sig	hyper
chr6	3.3E+07	3.3E+07	*	8.472E-37	1.812E-36	0.151521	chr6_33277801_3327800(	sig	hyper
chr6	3.3E+07	3.3E+07	*	6.016E-22	9.404E-22	0.106055	chr6_33278001_3327820(	sig	hyper
chr6	3.3E+07	3.3E+07	*	2.157E-23	3.493E-23	0.109822	chr6_33432601_3343280(	sig	hyper
chr6	3.4E+07	3.4E+07	*	8.093E-17	1.104E-16	0.152625	chr6_33633001_3363320(	sig	hyper
chr6	3.4E+07	3.4E+07	*	1.037E-33	2.088E-33	0.101569	chr6_33771801_3377200(	sig	hyper
chr6	3.4E+07	3.4E+07	*	1.634E-16	2.21E-16	0.130359	chr6_33896801_3389700(	sig	hyper
chr6	3.4E+07	3.4E+07	*	1.618E-25	2.754E-25	-0.10063	chr6_33909601_3390980(	sig	hypo
chr6	3.4E+07	3.4E+07	*	1.09E-165	1.43E-164	0.282153	chr6_33976001_3397620(	sig	hyper
chr6	3.4E+07	3.4E+07	*	1.92E-109	1.19E-108	0.229285	chr6_34002001_3400220(	sig	hyper
chr6	3.4E+07	3.4E+07	*	4.779E-66	1.628E-65	-0.21143	chr6_34036001_3403620(	sig	hypo
chr6	3.4E+07	3.4E+07	*	9.42E-55	2.711E-54	-0.14578	chr6_34133601_3413380(	sig	hypo
chr6	3.4E+07	3.4E+07	*	5.881E-57	1.751E-56	0.233012	chr6_34146001_3414620(	sig	hyper
chr6	3.4E+07	3.4E+07	*	1.18E-15	1.559E-15	0.110466	chr6_34155401_3415560(	sig	hyper
chr6	3.4E+07	3.4E+07	*	3.372E-49	8.893E-49	-0.1303	chr6_34238201_3423840(	sig	hypo
chr6	3.4E+07	3.4E+07	*	3.264E-61	1.034E-60	-0.22039	chr6_34238801_3423900(	sig	hypo
chr6	3.5E+07	3.5E+07	*	1.612E-33	3.232E-33	0.148438	chr6_34514601_3451480(	sig	hyper
chr6	3.5E+07	3.5E+07	*	2.568E-12	3.04E-12	-0.10596	chr6_35141401_3514160(	sig	hypo
chr6	3.5E+07	3.5E+07	*	7.637E-59	2.338E-58	-0.21519	chr6_35141601_3514180(	sig	hypo
chr6	3.5E+07	3.5E+07	*	5.015E-28	9.007E-28	0.179074	chr6_35213201_3521340(	sig	hyper
chr6	3.5E+07	3.5E+07	*	1.211E-23	1.974E-23	0.118654	chr6_35493401_3549360(	sig	hyper
chr6	3.5E+07	3.5E+07	*	5.215E-51	1.41E-50	0.114936	chr6_35493601_3549380(	sig	hyper
chr6	3.5E+07	3.5E+07	*	1.377E-32	2.714E-32	0.170502	chr6_35498201_3549840(	sig	hyper
chr6	3.5E+07	3.5E+07	*	4.18E-16	5.58E-16	0.146963	chr6_35498401_3549860(	sig	hyper
chr6	3.6E+07	3.6E+07	*	1.212E-14	1.552E-14	0.115516	chr6_35787001_3578720(	sig	hyper
chr6	3.6E+07	3.6E+07	*	2.2E-17	3.047E-17	-0.12513	chr6_35797201_3579740(	sig	hypo
chr6	3.6E+07	3.6E+07	*	2.76E-188	4.92E-187	0.249534	chr6_36285201_3628540(	sig	hyper
chr6	3.7E+07	3.7E+07	*	4.708E-14	5.921E-14	0.104804	chr6_36659601_3665980(	sig	hyper
chr6	3.7E+07	3.7E+07	*	1.891E-25	3.212E-25	0.144719	chr6_36839001_3683920(	sig	hyper
chr6	3.7E+07	3.7E+07	*	1.418E-23	2.307E-23	0.18133	chr6_36998401_3699860(	sig	hyper
chr6	3.8E+07	3.8E+07	*	7.171E-65	2.403E-64	0.110521	chr6_37536001_3753620(	sig	hyper
chr6	3.8E+07	3.8E+07	*	2.93E-223	8.26E-222	0.343244	chr6_37649001_3764920(	sig	hyper

chr6	3.8E+07	3.8E+07	*	4.457E-53	1.247E-52	0.157623	chr6_37650001_3765020(	sig	hyper
chr6	3.8E+07	3.8E+07	*	1.933E-69	6.895E-69	0.148681	chr6_37650201_3765040(	sig	hyper
chr6	3.8E+07	3.8E+07	*	1.02E-32	2.013E-32	-0.11867	chr6_37658401_3765860(	sig	hypo
chr6	3.8E+07	3.8E+07	*	5.64E-150	6.02E-149	0.123296	chr6_37696601_3769680(	sig	hyper
chr6	3.8E+07	3.8E+07	*	5.248E-84	2.3E-83	0.206107	chr6_37705401_3770560(	sig	hyper
chr6	3.8E+07	3.8E+07	*	7.83E-174	1.15E-172	0.30303	chr6_37705801_3770600(	sig	hyper
chr6	3.8E+07	3.8E+07	*	2.71E-111	1.72E-110	-0.29747	chr6_38174001_3817420(	sig	hypo
chr6	3.9E+07	3.9E+07	*	7.698E-25	1.291E-24	-0.13423	chr6_38722801_3872300(	sig	hypo
chr6	4E+07	4E+07	*	5.64E-114	3.72E-113	0.306239	chr6_39793001_3979320(	sig	hyper
chr6	4.1E+07	4.1E+07	*	3.216E-37	6.938E-37	0.100937	chr6_40586801_4058700(	sig	hyper
chr6	4.1E+07	4.1E+07	*	6.866E-24	1.125E-23	0.149345	chr6_40599401_4059960(	sig	hyper
chr6	4.1E+07	4.1E+07	*	2.766E-44	6.72E-44	0.147211	chr6_41028001_4102820(	sig	hyper
chr6	4.1E+07	4.1E+07	*	1.43E-215	3.68E-214	0.332101	chr6_41028401_4102860(	sig	hyper
chr6	4.1E+07	4.1E+07	*	1.25E-103	7.13E-103	0.139975	chr6_41100801_4110100(	sig	hyper
chr6	4.1E+07	4.1E+07	*	3.12E-113	2.04E-112	0.252368	chr6_41239601_4123980(	sig	hyper
chr6	4.1E+07	4.1E+07	*	6.094E-61	1.924E-60	0.108073	chr6_41371601_4137180(	sig	hyper
chr6	4.1E+07	4.1E+07	*	8.372E-30	1.559E-29	0.152461	chr6_41372001_4137220(	sig	hyper
chr6	4.1E+07	4.1E+07	*	1.869E-09	1.976E-09	0.101589	chr6_41374401_4137460(	sig	hyper
chr6	4.1E+07	4.1E+07	*	6.451E-53	1.801E-52	0.152244	chr6_41407001_4140720(	sig	hyper
chr6	4.2E+07	4.2E+07	*	2.162E-19	3.168E-19	0.109662	chr6_41560801_4156100(	sig	hyper
chr6	4.2E+07	4.2E+07	*	1.051E-09	1.123E-09	0.104509	chr6_41561001_4156120(	sig	hyper
chr6	4.2E+07	4.2E+07	*	6.15E-124	4.6E-123	0.271376	chr6_41638001_4163820(	sig	hyper
chr6	4.2E+07	4.2E+07	*	3.9E-245	1.48E-243	0.288616	chr6_41638601_4163880(	sig	hyper
chr6	4.2E+07	4.2E+07	*	4.087E-43	9.733E-43	0.24172	chr6_42178001_4217820(	sig	hyper
chr6	4.3E+07	4.3E+07	*	0	0	0.423622	chr6_42727201_4272740(	sig	hyper
chr6	4.3E+07	4.3E+07	*	5.75E-151	6.24E-150	0.401091	chr6_42727601_4272780(	sig	hyper
chr6	4.3E+07	4.3E+07	*	2.389E-11	2.729E-11	0.115326	chr6_43246601_4324680(	sig	hyper
chr6	4.3E+07	4.3E+07	*	1.717E-28	3.114E-28	-0.19449	chr6_43276201_4327640(	sig	hypo
chr6	4.3E+07	4.3E+07	*	9.952E-47	2.518E-46	0.289343	chr6_43285601_4328580(	sig	hyper
chr6	4.4E+07	4.4E+07	*	7.67E-39	1.7E-38	0.165403	chr6_43645601_4364580(	sig	hyper
chr6	4.4E+07	4.4E+07	*	2.585E-36	5.479E-36	0.198796	chr6_44227001_4422720(	sig	hyper
chr6	4.4E+07	4.4E+07	*	0	0	0.196259	chr6_44342601_4434280(	sig	hyper
chr6	4.6E+07	4.6E+07	*	5.2E-108	3.15E-107	0.287789	chr6_45664001_4566420(	sig	hyper
chr6	5E+07	5E+07	*	2.28E-118	1.59E-117	0.201177	chr6_49713401_4971360(	sig	hyper
chr6	5.1E+07	5.1E+07	*	1.99E-110	1.25E-109	0.270098	chr6_50706801_5070700(	sig	hyper
chr6	5.1E+07	5.1E+07	*	0	0	0.305099	chr6_50707801_5070800(	sig	hyper
chr6	5.1E+07	5.1E+07	*	8.71E-142	8.22E-141	0.208215	chr6_50714601_5071480(	sig	hyper
chr6	5.1E+07	5.1E+07	*	7.24E-111	4.57E-110	0.288097	chr6_50715801_5071600(	sig	hyper
chr6	5.1E+07	5.1E+07	*	6.269E-86	2.823E-85	0.276542	chr6_50722801_5072300(	sig	hyper
chr6	5.1E+07	5.1E+07	*	4.73E-194	9.1E-193	0.2307	chr6_50724401_5072460(	sig	hyper
chr6	5.1E+07	5.1E+07	*	2.723E-82	1.168E-81	0.222219	chr6_50817401_5081760(	sig	hyper
chr6	5.1E+07	5.1E+07	*	4.11E-114	2.72E-113	0.297976	chr6_50820201_5082040(	sig	hyper
chr6	5.1E+07	5.1E+07	*	2.148E-34	4.39E-34	0.143951	chr6_50836201_5083640(	sig	hyper
chr6	5.1E+07	5.1E+07	*	1.76E-125	1.34E-124	0.234326	chr6_50836401_5083660(	sig	hyper
chr6	5.1E+07	5.1E+07	*	7.453E-81	3.126E-80	0.199067	chr6_50843001_5084320(	sig	hyper
chr6	5.1E+07	5.1E+07	*	3.95E-179	6.21E-178	0.279197	chr6_50843201_5084340(	sig	hyper
chr6	5.1E+07	5.1E+07	*	5.43E-107	3.25E-106	0.374621	chr6_50845801_5084600(	sig	hyper
chr6	5.1E+07	5.1E+07	*	7.861E-38	1.713E-37	0.220677	chr6_50846001_5084620(	sig	hyper
chr6	5.1E+07	5.1E+07	*	1.44E-119	1.02E-118	0.30827	chr6_50849401_5084960(	sig	hyper
chr6	5.1E+07	5.1E+07	*	3.18E-274	1.72E-272	0.281629	chr6_50850401_5085060(	sig	hyper
chr6	5.1E+07	5.1E+07	*	4.259E-70	1.536E-69	0.152756	chr6_50851001_5085120(	sig	hyper
chr6	5.2E+07	5.2E+07	*	6.971E-19	1.008E-18	-0.1035	chr6_52307201_5230740(	sig	hypo
chr6	5.3E+07	5.3E+07	*	1.268E-56	3.755E-56	0.215391	chr6_52573801_5257400(	sig	hyper
chr6	5.3E+07	5.3E+07	*	6.307E-18	8.875E-18	0.124133	chr6_52575601_5257580(	sig	hyper
chr6	5.3E+07	5.3E+07	*	4.603E-78	1.859E-77	-0.20088	chr6_52839401_5283960(	sig	hypo
chr6	5.3E+07	5.3E+07	*	3.52E-287	2.22E-285	0.392446	chr6_52994201_5299440(	sig	hyper

chr6	5.4E+07	5.4E+07	*	4.17E-54	1.188E-53	-0.14739	chr6_53796201_5379640(	sig	hypo
chr6	5.6E+07	5.6E+07	*	3.515E-76	1.381E-75	0.23372	chr6_55578801_5557900(	sig	hyper
chr6	5.6E+07	5.6E+07	*	3.478E-45	8.56E-45	0.170395	chr6_55579201_5557940(	sig	hyper
chr6	5.8E+07	5.8E+07	*	1.126E-98	6.023E-98	0.293147	chr6_57800201_5780040(	sig	hyper
chr6	6.2E+07	6.2E+07	*	3.46E-132	2.88E-131	0.346544	chr6_62285801_6228600(	sig	hyper
chr6	6.2E+07	6.2E+07	*	1.84E-99	9.89E-99	0.310214	chr6_62286001_6228620(	sig	hyper
chr6	6.2E+07	6.2E+07	*	6.87E-183	1.13E-181	0.339021	chr6_62286601_6228680(	sig	hyper
chr6	6.9E+07	6.9E+07	*	6.162E-98	3.272E-97	0.187151	chr6_68635801_6863600(	sig	hyper
chr6	7E+07	7E+07	*	2.38E-58	7.228E-58	0.223524	chr6_70282201_7028240(	sig	hyper
chr6	7E+07	7E+07	*	1.004E-31	1.941E-31	0.201369	chr6_70282601_7028280(	sig	hyper
chr6	7.1E+07	7.1E+07	*	3.49E-38	7.647E-38	0.106512	chr6_70956201_7095640(	sig	hyper
chr6	7.1E+07	7.1E+07	*	1.393E-74	5.345E-74	0.127834	chr6_70956401_7095660(	sig	hyper
chr6	7.1E+07	7.1E+07	*	9.503E-55	2.734E-54	0.201258	chr6_70957401_7095760(	sig	hyper
chr6	7.1E+07	7.1E+07	*	8.28E-198	1.69E-196	0.302443	chr6_71420801_7142100(	sig	hyper
chr6	7.1E+07	7.1E+07	*	5.37E-101	2.95E-100	0.240246	chr6_71421001_7142120(	sig	hyper
chr6	7.2E+07	7.2E+07	*	1.071E-46	2.709E-46	0.202129	chr6_71588601_7158880(	sig	hyper
chr6	7.2E+07	7.2E+07	*	1.698E-27	3.023E-27	0.143585	chr6_72182201_7218240(	sig	hyper
chr6	7.3E+07	7.3E+07	*	2.35E-103	1.33E-102	0.179726	chr6_72620201_7262040(	sig	hyper
chr6	7.3E+07	7.3E+07	*	8.93E-169	1.22E-167	0.272289	chr6_72621401_7262160(	sig	hyper
chr6	7.3E+07	7.3E+07	*	5.125E-86	2.312E-85	0.220721	chr6_72621801_7262200(	sig	hyper
chr6	7.3E+07	7.3E+07	*	1.23E-153	1.37E-152	0.293818	chr6_72623001_7262320(	sig	hyper
chr6	7.3E+07	7.3E+07	*	4.63E-51	1.253E-50	0.133721	chr6_73263201_7326340(	sig	hyper
chr6	7.3E+07	7.3E+07	*	4.519E-53	1.264E-52	0.174036	chr6_73299001_7329920(	sig	hyper
chr6	7.3E+07	7.3E+07	*	8.392E-15	1.081E-14	0.142514	chr6_73299201_7329940(	sig	hyper
chr6	7.3E+07	7.3E+07	*	1.11E-305	8.72E-304	0.171334	chr6_73309801_7331000(	sig	hyper
chr6	7.3E+07	7.3E+07	*	1.06E-97	5.602E-97	0.113407	chr6_73310201_7331040(	sig	hyper
chr6	7.3E+07	7.3E+07	*	2.348E-23	3.799E-23	-0.10416	chr6_73363601_7336380(	sig	hypo
chr6	7.4E+07	7.4E+07	*	2.711E-53	7.612E-53	-0.11078	chr6_73580401_7358060(	sig	hypo
chr6	7.4E+07	7.4E+07	*	3.405E-60	1.064E-59	0.164795	chr6_73696201_7369640(	sig	hyper
chr6	7.4E+07	7.4E+07	*	3.99E-68	1.397E-67	0.187966	chr6_73696401_7369660(	sig	hyper
chr6	7.5E+07	7.5E+07	*	4.061E-61	1.284E-60	0.17418	chr6_75202201_7520240(	sig	hyper
chr6	7.5E+07	7.5E+07	*	1.323E-50	3.555E-50	0.182135	chr6_75202401_7520260(	sig	hyper
chr6	7.5E+07	7.5E+07	*	2.571E-63	8.421E-63	0.168626	chr6_75204801_7520500(	sig	hyper
chr6	7.5E+07	7.5E+07	*	2.12E-166	2.79E-165	0.197734	chr6_75205001_7520520(	sig	hyper
chr6	7.5E+07	7.5E+07	*	2.519E-72	9.353E-72	0.133741	chr6_75206601_7520680(	sig	hyper
chr6	7.7E+07	7.7E+07	*	9.816E-97	5.127E-96	0.165036	chr6_77462601_7746280(	sig	hyper
chr6	7.7E+07	7.7E+07	*	3.1E-125	2.35E-124	0.1715	chr6_77463401_7746360(	sig	hyper
chr6	7.7E+07	7.7E+07	*	1.037E-53	2.932E-53	0.192384	chr6_77467001_7746720(	sig	hyper
chr6	7.8E+07	7.8E+07	*	7.447E-74	2.829E-73	0.261246	chr6_77650201_7765040(	sig	hyper
chr6	8E+07	8E+07	*	3.79E-145	3.75E-144	0.205721	chr6_79947001_7994720(	sig	hyper
chr6	8E+07	8E+07	*	6.39E-149	6.7E-148	0.20068	chr6_79947201_7994740(	sig	hyper
chr6	8E+07	8E+07	*	4.537E-76	1.78E-75	-0.20437	chr6_80070401_8007060(	sig	hypo
chr6	8.4E+07	8.4E+07	*	1.8E-148	1.87E-147	-0.23259	chr6_83524601_8352480(	sig	hypo
chr6	8.4E+07	8.4E+07	*	7.58E-174	1.12E-172	0.348255	chr6_83709601_8370980(	sig	hyper
chr6	8.4E+07	8.4E+07	*	1.75E-157	2.04E-156	0.227728	chr6_83853001_8385320(	sig	hyper
chr6	8.4E+07	8.4E+07	*	2.741E-79	1.128E-78	0.229844	chr6_83853401_8385360(	sig	hyper
chr6	8.5E+07	8.5E+07	*	3.193E-56	9.409E-56	0.170205	chr6_84763201_8476340(	sig	hyper
chr6	8.5E+07	8.5E+07	*	3.82E-299	2.77E-297	0.209166	chr6_84764601_8476480(	sig	hyper
chr6	8.5E+07	8.5E+07	*	5.22E-116	3.54E-115	0.172483	chr6_84764801_8476500(	sig	hyper
chr6	8.5E+07	8.5E+07	*	1.142E-94	5.802E-94	0.249387	chr6_84768801_8476900(	sig	hyper
chr6	8.5E+07	8.5E+07	*	2.18E-186	3.81E-185	0.30904	chr6_84772801_8477300(	sig	hyper
chr6	8.5E+07	8.5E+07	*	1.935E-91	9.414E-91	0.239948	chr6_84773201_8477340(	sig	hyper
chr6	8.5E+07	8.5E+07	*	4.975E-79	2.038E-78	0.158066	chr6_84773601_8477380(	sig	hyper
chr6	8.5E+07	8.5E+07	*	2.71E-148	2.8E-147	0.339418	chr6_84775001_8477520(	sig	hyper
chr6	8.5E+07	8.5E+07	*	3.619E-47	9.229E-47	0.140355	chr6_85449201_8544940(	sig	hyper
chr6	8.7E+07	8.7E+07	*	3.49E-124	2.62E-123	0.352708	chr6_86937001_8693720(	sig	hyper

chr6	8.8E+07	8.8E+07	*	7.319E-63	2.377E-62	0.18877	chr6_88047601_8804780(	sig	hyper
chr6	8.9E+07	8.9E+07	*	9.578E-33	1.892E-32	0.142552	chr6_89433801_8943400(	sig	hyper
chr6	9.1E+07	9.1E+07	*	1.28E-86	5.818E-86	0.20619	chr6_90610401_9061060(	sig	hyper
chr6	9.1E+07	9.1E+07	*	4.605E-23	7.407E-23	0.100941	chr6_90612201_9061240(	sig	hyper
chr6	9.3E+07	9.3E+07	*	4.494E-74	1.713E-73	0.293161	chr6_93417601_9341780(	sig	hyper
chr6	9.3E+07	9.3E+07	*	3.1E-153	3.44E-152	0.143119	chr6_93419801_9342000(	sig	hyper
chr6	9.5E+07	9.5E+07	*	5.814E-30	1.086E-29	-0.11599	chr6_95497001_9549720(	sig	hypo
chr6	9.9E+07	9.9E+07	*	7.9E-70	2.837E-69	0.241702	chr6_98824001_9882420(	sig	hyper
chr6	9.9E+07	9.9E+07	*	3.262E-90	1.561E-89	0.281302	chr6_98825001_9882520(	sig	hyper
chr6	9.9E+07	9.9E+07	*	6.38E-148	6.57E-147	0.293837	chr6_98825201_9882540(	sig	hyper
chr6	9.9E+07	9.9E+07	*	4.195E-59	1.289E-58	0.183489	chr6_98825401_9882560(	sig	hyper
chr6	9.9E+07	9.9E+07	*	1.01E-229	3.07E-228	0.307152	chr6_98825601_9882580(	sig	hyper
chr6	9.9E+07	9.9E+07	*	1.276E-78	5.197E-78	0.159339	chr6_98827401_9882760(	sig	hyper
chr6	9.9E+07	9.9E+07	*	2.285E-43	5.463E-43	0.145434	chr6_98831001_9883120(	sig	hyper
chr6	9.9E+07	9.9E+07	*	4.19E-62	1.348E-61	0.152665	chr6_98831201_9883140(	sig	hyper
chr6	9.9E+07	9.9E+07	*	3.898E-86	1.76E-85	0.167488	chr6_98832201_9883240(	sig	hyper
chr6	9.9E+07	9.9E+07	*	8.762E-60	2.718E-59	0.169497	chr6_98832601_9883280(	sig	hyper
chr6	9.9E+07	9.9E+07	*	6.7E-117	4.58E-116	0.132597	chr6_98833601_9883380(	sig	hyper
chr6	9.9E+07	9.9E+07	*	1.842E-94	9.332E-94	0.236516	chr6_98835801_9883600(	sig	hyper
chr6	9.9E+07	9.9E+07	*	3.727E-94	1.876E-93	0.193502	chr6_98842401_9884260(	sig	hyper
chr6	9.9E+07	9.9E+07	*	5.4E-111	3.42E-110	0.317932	chr6_98842801_9884300(	sig	hyper
chr6	9.9E+07	9.9E+07	*	1.512E-70	5.48E-70	0.218266	chr6_98843401_9884360(	sig	hyper
chr6	9.9E+07	9.9E+07	*	3.704E-47	9.444E-47	0.126093	chr6_98844201_9884440(	sig	hyper
chr6	9.9E+07	9.9E+07	*	3.541E-56	1.042E-55	0.112093	chr6_98844801_9884500(	sig	hyper
chr6	9.9E+07	9.9E+07	*	3.612E-15	4.709E-15	0.130703	chr6_98847401_9884760(	sig	hyper
chr6	1E+08	1E+08	*	1.351E-21	2.093E-21	0.120579	chr6_99589601_9958980(	sig	hyper
chr6	1E+08	1E+08	*	2.708E-83	1.176E-82	0.148817	chr6_99591401_9959160(	sig	hyper
chr6	1E+08	1E+08	*	3.94E-243	1.46E-241	0.272711	chr6_99602801_9960300(	sig	hyper
chr6	1E+08	1E+08	*	5.63E-113	3.67E-112	0.237335	chr6_99605401_9960560(	sig	hyper
chr6	1E+08	1E+08	*	6.998E-55	2.017E-54	0.171502	chr6_99606001_9960620(	sig	hyper
chr6	1E+08	1E+08	*	7.534E-58	2.274E-57	0.178512	chr6_99606601_9960680(	sig	hyper
chr6	1E+08	1E+08	*	9.73E-255	4.15E-253	0.175833	chr6_99606801_9960700(	sig	hyper
chr6	1E+08	1E+08	*	9.98E-124	7.43E-123	0.257014	chr6_99607001_9960720(	sig	hyper
chr6	1E+08	1E+08	*	1.655E-28	3.002E-28	0.132564	chr6_99607601_9960780(	sig	hyper
chr6	1E+08	1E+08	*	3.48E-78	1.408E-77	0.105371	chr6_99607801_9960800(	sig	hyper
chr6	1E+08	1E+08	*	3.683E-48	9.54E-48	0.214373	chr6_99608801_9960900(	sig	hyper
chr6	1E+08	1E+08	*	4.6E-143	4.41E-142	0.277634	chr6_99609201_9960940(	sig	hyper
chr6	1E+08	1E+08	*	2.948E-65	9.934E-65	0.170358	chr6_100447001_100447	sig	hyper
chr6	1E+08	1E+08	*	1.54E-254	6.49E-253	0.290785	chr6_100447201_100447	sig	hyper
chr6	1E+08	1E+08	*	4.66E-110	2.91E-109	0.327256	chr6_100448001_100448	sig	hyper
chr6	1E+08	1E+08	*	1.29E-212	3.22E-211	0.286351	chr6_100448801_100449(	sig	hyper
chr6	1E+08	1E+08	*	9.67E-225	2.79E-223	0.300222	chr6_100449401_100449	sig	hyper
chr6	1E+08	1E+08	*	7.088E-97	3.714E-96	0.181767	chr6_100454201_100454	sig	hyper
chr6	1E+08	1E+08	*	1.1E-32	2.171E-32	0.180552	chr6_100457401_100457	sig	hyper
chr6	1E+08	1E+08	*	3.554E-37	7.661E-37	0.192087	chr6_100457601_100457	sig	hyper
chr6	1E+08	1E+08	*	7.019E-64	2.323E-63	0.218578	chr6_100457801_100458(	sig	hyper
chr6	1E+08	1E+08	*	1.633E-81	6.913E-81	0.199966	chr6_100458201_100458	sig	hyper
chr6	1E+08	1E+08	*	4.54E-111	2.88E-110	0.308645	chr6_100458601_100458	sig	hyper
chr6	1E+08	1E+08	*	1.356E-96	7.072E-96	0.176269	chr6_100463601_100463	sig	hyper
chr6	1E+08	1E+08	*	4.464E-94	2.244E-93	0.230254	chr6_100463801_100464(	sig	hyper
chr6	1E+08	1E+08	*	2.28E-205	5.08E-204	0.300041	chr6_100464001_100464	sig	hyper
chr6	1E+08	1E+08	*	0	0	0.360395	chr6_100464201_100464	sig	hyper
chr6	1E+08	1E+08	*	7.45E-86	3.351E-85	0.316882	chr6_100465001_100465	sig	hyper
chr6	1E+08	1E+08	*	1.806E-59	5.577E-59	0.178412	chr6_100467201_100467	sig	hyper
chr6	1E+08	1E+08	*	3.21E-139	2.93E-138	0.266618	chr6_100467801_100468(	sig	hyper
chr6	1E+08	1E+08	*	6.035E-70	2.17E-69	0.196819	chr6_100469001_100469	sig	hyper

chr6	1E+08	1E+08	*	1.957E-57	5.877E-57	0.238937	chr6_101392401_101392(	sig	hyper
chr6	1E+08	1E+08	*	2.576E-55	7.477E-55	0.161663	chr6_101398801_101399(	sig	hyper
chr6	1E+08	1E+08	*	3.64E-48	9.432E-48	0.162855	chr6_101399001_101399:	sig	hyper
chr6	1E+08	1E+08	*	7.694E-12	8.96E-12	0.104866	chr6_101399801_101400(	sig	hyper
chr6	1E+08	1E+08	*	8.62E-121	6.18E-120	0.282203	chr6_104940201_104940-	sig	hyper
chr6	1E+08	1E+08	*	5.894E-78	2.378E-77	0.267739	chr6_104941401_104941(	sig	hyper
chr6	1E+08	1E+08	*	4.147E-79	1.702E-78	0.245594	chr6_104941601_104941{	sig	hyper
chr6	1E+08	1E+08	*	1.96E-140	1.82E-139	0.277709	chr6_104953001_104953:	sig	hyper
chr6	1.1E+08	1.1E+08	*	7.28E-141	6.8E-140	0.244664	chr6_105981201_105981-	sig	hyper
chr6	1.1E+08	1.1E+08	*	1.69E-161	2.09E-160	0.240586	chr6_105981601_105981{	sig	hyper
chr6	1.1E+08	1.1E+08	*	2.02E-163	2.57E-162	0.325782	chr6_105981801_105982(	sig	hyper
chr6	1.1E+08	1.1E+08	*	2.298E-45	5.671E-45	0.154618	chr6_105986001_105986:	sig	hyper
chr6	1.1E+08	1.1E+08	*	1.528E-97	8.061E-97	0.186718	chr6_105986201_105986-	sig	hyper
chr6	1.1E+08	1.1E+08	*	1.88E-210	4.52E-209	0.265621	chr6_105986401_105986(	sig	hyper
chr6	1.1E+08	1.1E+08	*	1.568E-21	2.424E-21	0.141041	chr6_105986601_105986{	sig	hyper
chr6	1.1E+08	1.1E+08	*	1.364E-92	6.703E-92	0.256346	chr6_105993001_105993:	sig	hyper
chr6	1.1E+08	1.1E+08	*	2.446E-70	8.85E-70	0.190993	chr6_106509401_106509(	sig	hyper
chr6	1.1E+08	1.1E+08	*	6.205E-89	2.921E-88	0.270414	chr6_108114801_108115(	sig	hyper
chr6	1.1E+08	1.1E+08	*	3.136E-74	1.198E-73	0.233385	chr6_108115001_108115:	sig	hyper
chr6	1.1E+08	1.1E+08	*	9.541E-77	3.784E-76	0.2577	chr6_108116801_108117(	sig	hyper
chr6	1.1E+08	1.1E+08	*	3.53E-154	3.96E-153	0.161405	chr6_108119001_108119:	sig	hyper
chr6	1.1E+08	1.1E+08	*	7.472E-52	2.049E-51	0.205729	chr6_108123601_108123{	sig	hyper
chr6	1.1E+08	1.1E+08	*	1.333E-58	4.064E-58	0.152727	chr6_108158001_108158:	sig	hyper
chr6	1.1E+08	1.1E+08	*	1.08E-164	1.39E-163	0.167887	chr6_108158201_108158-	sig	hyper
chr6	1.1E+08	1.1E+08	*	9.56E-104	5.44E-103	0.213842	chr6_108163801_108164(	sig	hyper
chr6	1.1E+08	1.1E+08	*	2.066E-76	8.147E-76	0.318656	chr6_108165001_108165:	sig	hyper
chr6	1.1E+08	1.1E+08	*	2.644E-62	8.525E-62	0.296595	chr6_108165201_108165-	sig	hyper
chr6	1.1E+08	1.1E+08	*	9.85E-34	1.985E-33	0.18857	chr6_108165601_108165{	sig	hyper
chr6	1.1E+08	1.1E+08	*	3.565E-74	1.36E-73	0.356954	chr6_108166201_108166-	sig	hyper
chr6	1.1E+08	1.1E+08	*	7.27E-101	4E-100	0.229472	chr6_108166601_108166{	sig	hyper
chr6	1.1E+08	1.1E+08	*	1.078E-82	4.647E-82	0.264792	chr6_108167001_108167:	sig	hyper
chr6	1.1E+08	1.1E+08	*	7.09E-149	7.42E-148	0.206886	chr6_108167401_108167(	sig	hyper
chr6	1.1E+08	1.1E+08	*	3.126E-53	8.767E-53	0.142938	chr6_108167601_108167{	sig	hyper
chr6	1.1E+08	1.1E+08	*	5.063E-19	7.348E-19	0.123526	chr6_108168001_108168:	sig	hyper
chr6	1.1E+08	1.1E+08	*	7.6E-184	1.27E-182	0.345613	chr6_108171001_108171:	sig	hyper
chr6	1.1E+08	1.1E+08	*	1.562E-29	2.893E-29	0.134883	chr6_108171401_108171(	sig	hyper
chr6	1.1E+08	1.1E+08	*	3.61E-180	5.75E-179	0.282556	chr6_108174601_108174{	sig	hyper
chr6	1.1E+08	1.1E+08	*	3.12E-113	2.04E-112	0.307503	chr6_108953201_108953-	sig	hyper
chr6	1.1E+08	1.1E+08	*	4.44E-101	2.45E-100	-0.268	chr6_109294201_109294-	sig	hypo
chr6	1.1E+08	1.1E+08	*	2.959E-50	7.919E-50	0.186024	chr6_109978601_109978{	sig	hyper
chr6	1.1E+08	1.1E+08	*	1.863E-44	4.535E-44	0.181845	chr6_109978801_109979(	sig	hyper
chr6	1.1E+08	1.1E+08	*	1.593E-60	4.999E-60	0.214176	chr6_109979001_109979:	sig	hyper
chr6	1.1E+08	1.1E+08	*	2.605E-87	1.196E-86	0.320727	chr6_109979801_109980(	sig	hyper
chr6	1.1E+08	1.1E+08	*	0	0	0.363203	chr6_110357601_110357{	sig	hyper
chr6	1.1E+08	1.1E+08	*	3.467E-75	1.344E-74	0.154778	chr6_112254201_112254-	sig	hyper
chr6	1.1E+08	1.1E+08	*	8.812E-36	1.846E-35	0.118699	chr6_112254401_112254(	sig	hyper
chr6	1.1E+08	1.1E+08	*	1.4E-97	7.385E-97	-0.18122	chr6_112347201_112347-	sig	hypo
chr6	1.1E+08	1.1E+08	*	1.795E-27	3.193E-27	-0.18811	chr6_113222001_113222:	sig	hypo
chr6	1.1E+08	1.1E+08	*	1.426E-43	3.419E-43	-0.10757	chr6_113223601_113223{	sig	hypo
chr6	1.2E+08	1.2E+08	*	2.475E-35	5.149E-35	0.11538	chr6_116370401_116370(	sig	hyper
chr6	1.2E+08	1.2E+08	*	1.54E-129	1.24E-128	0.295333	chr6_116565001_116565:	sig	hyper
chr6	1.2E+08	1.2E+08	*	9.06E-108	5.47E-107	0.280396	chr6_117263401_117263(	sig	hyper
chr6	1.2E+08	1.2E+08	*	8.742E-52	2.395E-51	0.197789	chr6_117265201_117265-	sig	hyper
chr6	1.2E+08	1.2E+08	*	2.35E-212	5.83E-211	-0.21434	chr6_117481401_117481(	sig	hypo
chr6	1.2E+08	1.2E+08	*	2.32E-74	8.88E-74	0.220243	chr6_117548201_117548-	sig	hyper
chr6	1.2E+08	1.2E+08	*	2.951E-87	1.353E-86	0.132491	chr6_117906801_117907(	sig	hyper

chr6	1.2E+08	1.2E+08	*	8.142E-41	1.865E-40	0.139033	chr6_117920001_117920	sig	hyper
chr6	1.2E+08	1.2E+08	*	5.521E-89	2.6E-88	0.232313	chr6_117920201_117920	sig	hyper
chr6	1.2E+08	1.2E+08	*	4.09E-135	3.53E-134	0.132211	chr6_118650401_118650	sig	hyper
chr6	1.2E+08	1.2E+08	*	7.23E-149	7.55E-148	-0.11877	chr6_119348001_119348	sig	hypo
chr6	1.2E+08	1.2E+08	*	2.206E-23	3.572E-23	0.139758	chr6_122996601_122996	sig	hyper
chr6	1.2E+08	1.2E+08	*	4.032E-19	5.865E-19	-0.10777	chr6_122997801_122998	sig	hypo
chr6	1.3E+08	1.3E+08	*	1.056E-57	3.181E-57	-0.18135	chr6_125155001_125155	sig	hypo
chr6	1.3E+08	1.3E+08	*	1.679E-84	7.418E-84	0.109358	chr6_125363401_125363	sig	hyper
chr6	1.3E+08	1.3E+08	*	1.01E-109	6.26E-109	0.117053	chr6_125363601_125363	sig	hyper
chr6	1.3E+08	1.3E+08	*	4.694E-50	1.253E-49	-0.13238	chr6_125644401_125644	sig	hypo
chr6	1.3E+08	1.3E+08	*	2.45E-76	9.646E-76	0.111616	chr6_125750001_125750	sig	hyper
chr6	1.3E+08	1.3E+08	*	1.02E-138	9.25E-138	0.174089	chr6_127118801_127119	sig	hyper
chr6	1.3E+08	1.3E+08	*	0	0	0.334811	chr6_127119201_127119	sig	hyper
chr6	1.3E+08	1.3E+08	*	3.43E-125	2.6E-124	0.22819	chr6_127119401_127119	sig	hyper
chr6	1.3E+08	1.3E+08	*	5.51E-218	1.47E-216	0.28244	chr6_127119601_127119	sig	hyper
chr6	1.3E+08	1.3E+08	*	1.52E-258	6.75E-257	0.265959	chr6_127119801_127120	sig	hyper
chr6	1.3E+08	1.3E+08	*	2.27E-136	1.99E-135	0.23879	chr6_127120001_127120	sig	hyper
chr6	1.3E+08	1.3E+08	*	1.39E-101	7.71E-101	0.146909	chr6_127514801_127515	sig	hyper
chr6	1.3E+08	1.3E+08	*	7.745E-45	1.897E-44	0.108612	chr6_127515001_127515	sig	hyper
chr6	1.3E+08	1.3E+08	*	5.598E-24	9.193E-24	0.144069	chr6_127518601_127518	sig	hyper
chr6	1.3E+08	1.3E+08	*	6.21E-122	4.51E-121	0.16242	chr6_127519401_127519	sig	hyper
chr6	1.3E+08	1.3E+08	*	2.14E-110	1.34E-109	0.20465	chr6_128883201_128883	sig	hyper
chr6	1.3E+08	1.3E+08	*	3.49E-52	9.61E-52	0.21903	chr6_128930001_128930	sig	hyper
chr6	1.3E+08	1.3E+08	*	2.72E-100	1.48E-99	0.468004	chr6_133241601_133241	sig	hyper
chr6	1.3E+08	1.3E+08	*	0	0	0.346134	chr6_133242201_133242	sig	hyper
chr6	1.3E+08	1.3E+08	*	2.577E-73	9.7E-73	0.175947	chr6_133242401_133242	sig	hyper
chr6	1.3E+08	1.3E+08	*	2.84E-146	2.85E-145	0.292619	chr6_133242601_133242	sig	hyper
chr6	1.3E+08	1.3E+08	*	3.678E-44	8.913E-44	-0.13149	chr6_133837801_133838	sig	hypo
chr6	1.3E+08	1.3E+08	*	2.809E-44	6.821E-44	-0.18131	chr6_133838001_133838	sig	hypo
chr6	1.3E+08	1.3E+08	*	2.026E-89	9.586E-89	0.275512	chr6_133889401_133889	sig	hyper
chr6	1.3E+08	1.3E+08	*	6.125E-11	6.9E-11	0.13046	chr6_134115201_134115	sig	hyper
chr6	1.3E+08	1.3E+08	*	2.13E-23	3.451E-23	0.187637	chr6_134115401_134115	sig	hyper
chr6	1.3E+08	1.3E+08	*	6.032E-46	1.503E-45	0.200633	chr6_134176201_134176	sig	hyper
chr6	1.3E+08	1.3E+08	*	7.054E-91	3.407E-90	0.210827	chr6_134176401_134176	sig	hyper
chr6	1.4E+08	1.4E+08	*	2.46E-179	3.87E-178	0.193772	chr6_136920801_136921	sig	hyper
chr6	1.4E+08	1.4E+08	*	3.134E-45	7.721E-45	0.207446	chr6_137492801_137493	sig	hyper
chr6	1.4E+08	1.4E+08	*	7.48E-184	1.25E-182	0.257085	chr6_137494401_137494	sig	hyper
chr6	1.4E+08	1.4E+08	*	2.61E-162	3.26E-161	0.232821	chr6_137495201_137495	sig	hyper
chr6	1.4E+08	1.4E+08	*	2.91E-109	1.79E-108	0.271772	chr6_137495801_137496	sig	hyper
chr6	1.4E+08	1.4E+08	*	3.122E-35	6.48E-35	0.21197	chr6_137496401_137496	sig	hyper
chr6	1.4E+08	1.4E+08	*	7.579E-42	1.768E-41	0.115027	chr6_137496601_137496	sig	hyper
chr6	1.4E+08	1.4E+08	*	3.644E-80	1.518E-79	0.236706	chr6_137497201_137497	sig	hyper
chr6	1.4E+08	1.4E+08	*	2.28E-157	2.66E-156	0.240833	chr6_137498001_137498	sig	hyper
chr6	1.4E+08	1.4E+08	*	5.283E-38	1.154E-37	0.170072	chr6_137879001_137879	sig	hyper
chr6	1.4E+08	1.4E+08	*	1.459E-69	5.213E-69	0.166191	chr6_137879201_137879	sig	hyper
chr6	1.4E+08	1.4E+08	*	6.387E-12	7.456E-12	-0.10288	chr6_138682801_138683	sig	hypo
chr6	1.4E+08	1.4E+08	*	1.524E-82	6.552E-82	-0.15778	chr6_144065201_144065	sig	hypo
chr6	1.4E+08	1.4E+08	*	2.023E-63	6.645E-63	0.11521	chr6_144187201_144187	sig	hyper
chr6	1.5E+08	1.5E+08	*	6.217E-78	2.506E-77	0.264203	chr6_146027601_146027	sig	hyper
chr6	1.5E+08	1.5E+08	*	1.87E-127	1.46E-126	0.245022	chr6_146029201_146029	sig	hyper
chr6	1.5E+08	1.5E+08	*	5.81E-156	6.66E-155	0.231412	chr6_146029401_146029	sig	hyper
chr6	1.5E+08	1.5E+08	*	1.56E-118	1.09E-117	0.283903	chr6_146434401_146434	sig	hyper
chr6	1.5E+08	1.5E+08	*	2.034E-40	4.631E-40	-0.15499	chr6_146543001_146543	sig	hypo
chr6	1.5E+08	1.5E+08	*	3.937E-82	1.684E-81	-0.24303	chr6_146543201_146543	sig	hypo
chr6	1.5E+08	1.5E+08	*	1.58E-109	9.76E-109	0.133116	chr6_148560201_148560	sig	hyper
chr6	1.5E+08	1.5E+08	*	5.565E-61	1.757E-60	0.17075	chr6_148748601_148748	sig	hyper

chr6	1.5E+08	1.5E+08	*	0	0	-0.3743	chr6_149484801_149485(	sig	hypo
chr6	1.5E+08	1.5E+08	*	4.15E-193	7.9E-192	-0.3255	chr6_149485401_149485(	sig	hypo
chr6	1.5E+08	1.5E+08	*	8.582E-27	1.505E-26	-0.13272	chr6_149853001_149853(	sig	hypo
chr6	1.5E+08	1.5E+08	*	1.548E-21	2.393E-21	-0.12006	chr6_149910801_149911(	sig	hypo
chr6	1.5E+08	1.5E+08	*	1.69E-262	7.84E-261	0.208192	chr6_149964401_149964(	sig	hyper
chr6	1.5E+08	1.5E+08	*	9.27E-154	1.03E-152	0.244272	chr6_149964601_149964(	sig	hyper
chr6	1.5E+08	1.5E+08	*	4.02E-285	2.46E-283	0.258581	chr6_149965001_149965(	sig	hyper
chr6	1.5E+08	1.5E+08	*	3.203E-95	1.642E-94	0.252419	chr6_149965201_149965(	sig	hyper
chr6	1.5E+08	1.5E+08	*	2.257E-86	1.023E-85	0.133169	chr6_149990201_149990(	sig	hyper
chr6	1.5E+08	1.5E+08	*	4.65E-127	3.63E-126	0.129506	chr6_149990401_149990(	sig	hyper
chr6	1.5E+08	1.5E+08	*	2.57E-161	3.17E-160	0.241716	chr6_150037601_150037(	sig	hyper
chr6	1.5E+08	1.5E+08	*	1.14E-155	1.3E-154	0.204785	chr6_150037801_150038(	sig	hyper
chr6	1.5E+08	1.5E+08	*	1.24E-212	3.09E-211	0.337266	chr6_151239801_151240(	sig	hyper
chr6	1.5E+08	1.5E+08	*	1.62E-127	1.27E-126	0.227919	chr6_151241401_151241(	sig	hyper
chr6	1.5E+08	1.5E+08	*	2.194E-68	7.709E-68	0.142736	chr6_151494801_151495(	sig	hyper
chr6	1.5E+08	1.5E+08	*	1.84E-145	1.83E-144	0.27998	chr6_151807201_151807(	sig	hyper
chr6	1.5E+08	1.5E+08	*	2.07E-204	4.58E-203	0.254823	chr6_151807401_151807(	sig	hyper
chr6	1.5E+08	1.5E+08	*	2.21E-179	3.49E-178	0.327608	chr6_151809001_151809(	sig	hyper
chr6	1.5E+08	1.5E+08	*	1.02E-74	3.921E-74	0.157968	chr6_152637201_152637(	sig	hyper
chr6	1.6E+08	1.6E+08	*	2.54E-127	1.98E-126	0.206106	chr6_155248001_155248(	sig	hyper
chr6	1.6E+08	1.6E+08	*	4.677E-34	9.482E-34	0.178677	chr6_155248201_155248(	sig	hyper
chr6	1.6E+08	1.6E+08	*	1.956E-18	2.792E-18	0.110836	chr6_156397201_156397(	sig	hyper
chr6	1.6E+08	1.6E+08	*	4.671E-17	6.411E-17	-0.10023	chr6_156633401_156633(	sig	hypo
chr6	1.6E+08	1.6E+08	*	0	0	-0.52783	chr6_156662001_156662(	sig	hypo
chr6	1.6E+08	1.6E+08	*	1.696E-13	2.096E-13	-0.10589	chr6_156719601_156719(	sig	hypo
chr6	1.6E+08	1.6E+08	*	1.902E-22	3.008E-22	-0.10694	chr6_157645801_157646(	sig	hypo
chr6	1.6E+08	1.6E+08	*	2.349E-12	2.787E-12	-0.10218	chr6_158545201_158545(	sig	hypo
chr6	1.6E+08	1.6E+08	*	1.338E-16	1.814E-16	-0.13022	chr6_158545401_158545(	sig	hypo
chr6	1.6E+08	1.6E+08	*	5.319E-46	1.327E-45	-0.15665	chr6_158819601_158819(	sig	hypo
chr6	1.6E+08	1.6E+08	*	6.545E-46	1.63E-45	-0.1672	chr6_159129201_159129(	sig	hypo
chr6	1.6E+08	1.6E+08	*	1.04E-213	2.63E-212	0.270017	chr6_159168801_159169(	sig	hyper
chr6	1.6E+08	1.6E+08	*	8.16E-106	4.79E-105	0.274514	chr6_160006401_160006(	sig	hyper
chr6	1.6E+08	1.6E+08	*	2.55E-181	4.13E-180	-0.32864	chr6_160090801_160091(	sig	hypo
chr6	1.6E+08	1.6E+08	*	4.719E-75	1.824E-74	0.114853	chr6_160258601_160258(	sig	hyper
chr6	1.6E+08	1.6E+08	*	4.4E-178	6.8E-177	0.340186	chr6_160259001_160259(	sig	hyper
chr6	1.6E+08	1.6E+08	*	2.91E-121	2.1E-120	0.319236	chr6_160679401_160679(	sig	hyper
chr6	1.6E+08	1.6E+08	*	0	0	0.304464	chr6_160767401_160767(	sig	hyper
chr6	1.6E+08	1.6E+08	*	2.551E-89	1.205E-88	-0.23435	chr6_161140001_161140(	sig	hypo
chr6	1.6E+08	1.6E+08	*	2.321E-16	3.126E-16	-0.1212	chr6_163137401_163137(	sig	hypo
chr6	1.6E+08	1.6E+08	*	5.12E-138	4.6E-137	-0.35421	chr6_163300801_163301(	sig	hypo
chr6	1.6E+08	1.6E+08	*	2.976E-90	1.424E-89	0.185491	chr6_163413201_163413(	sig	hyper
chr6	1.6E+08	1.6E+08	*	1.583E-98	8.451E-98	0.164519	chr6_163413401_163413(	sig	hyper
chr6	1.7E+08	1.7E+08	*	1.473E-55	4.296E-55	-0.15187	chr6_165333401_165333(	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.08E-152	1.19E-151	0.272358	chr6_165662001_165662(	sig	hyper
chr6	1.7E+08	1.7E+08	*	5.91E-161	7.25E-160	0.2623	chr6_165686601_165686(	sig	hyper
chr6	1.7E+08	1.7E+08	*	3.705E-32	7.23E-32	-0.11453	chr6_165710001_165710(	sig	hypo
chr6	1.7E+08	1.7E+08	*	8.341E-12	9.698E-12	-0.11519	chr6_165731201_165731(	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.581E-37	3.43E-37	-0.18568	chr6_165792201_165792(	sig	hypo
chr6	1.7E+08	1.7E+08	*	3.75E-110	2.35E-109	0.186552	chr6_165819401_165819(	sig	hyper
chr6	1.7E+08	1.7E+08	*	1.657E-33	3.322E-33	-0.12306	chr6_165846801_165847(	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.43E-234	4.67E-233	-0.31808	chr6_165847401_165847(	sig	hypo
chr6	1.7E+08	1.7E+08	*	8.044E-34	1.623E-33	-0.12708	chr6_165930801_165931(	sig	hypo
chr6	1.7E+08	1.7E+08	*	9.11E-206	2.05E-204	0.291615	chr6_166005401_166005(	sig	hyper
chr6	1.7E+08	1.7E+08	*	1.12E-173	1.64E-172	0.289503	chr6_166009001_166009(	sig	hyper
chr6	1.7E+08	1.7E+08	*	2.28E-214	5.77E-213	0.297249	chr6_166009201_166009(	sig	hyper
chr6	1.7E+08	1.7E+08	*	2.34E-46	5.882E-46	0.183055	chr6_166165601_166165(	sig	hyper

chr6	1.7E+08	1.7E+08	*	3.55E-202	7.7E-201	0.209275	chr6_166168601_166168	sig	hyper
chr6	1.7E+08	1.7E+08	*	1.114E-52	3.099E-52	0.141524	chr6_166253201_166253	sig	hyper
chr6	1.7E+08	1.7E+08	*	2.766E-20	4.148E-20	-0.11676	chr6_166310801_166311	sig	hypo
chr6	1.7E+08	1.7E+08	*	4.358E-16	5.816E-16	-0.10113	chr6_166393601_166393	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.081E-22	3.29E-22	-0.10779	chr6_166438201_166438	sig	hypo
chr6	1.7E+08	1.7E+08	*	3.925E-49	1.034E-48	-0.11517	chr6_166463401_166463	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.784E-31	3.433E-31	-0.16056	chr6_166474201_166474	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.502E-38	5.492E-38	-0.11408	chr6_166488201_166488	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.439E-39	5.448E-39	-0.16682	chr6_166687601_166687	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.631E-53	4.597E-53	-0.10297	chr6_166702601_166702	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.75E-240	9.71E-239	-0.25414	chr6_166870801_166871	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.445E-37	3.138E-37	-0.12942	chr6_166871001_166871	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.902E-68	6.687E-68	-0.1709	chr6_167122401_167122	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.749E-40	6.248E-40	-0.15446	chr6_167157601_167157	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.012E-33	2.039E-33	0.141829	chr6_167203601_167203	sig	hyper
chr6	1.7E+08	1.7E+08	*	2.723E-18	3.868E-18	-0.10645	chr6_167241401_167241	sig	hypo
chr6	1.7E+08	1.7E+08	*	3.416E-94	1.724E-93	-0.25106	chr6_167267801_167268	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.01E-163	1.29E-162	-0.29703	chr6_167286401_167286	sig	hypo
chr6	1.7E+08	1.7E+08	*	9.322E-54	2.638E-53	-0.19251	chr6_167396401_167396	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.054E-14	1.353E-14	-0.13947	chr6_167644801_167645	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.71E-306	1.35E-304	0.373681	chr6_167678201_167678	sig	hyper
chr6	1.7E+08	1.7E+08	*	0	0	0.41757	chr6_167678401_167678	sig	hyper
chr6	1.7E+08	1.7E+08	*	2.577E-39	5.754E-39	-0.12566	chr6_167704201_167704	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.825E-18	4.012E-18	0.123894	chr6_167746601_167746	sig	hyper
chr6	1.7E+08	1.7E+08	*	1.908E-57	5.73E-57	-0.25319	chr6_167795601_167795	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.92E-156	3.36E-155	-0.25676	chr6_167797201_167797	sig	hypo
chr6	1.7E+08	1.7E+08	*	5.843E-94	2.934E-93	-0.25607	chr6_167797401_167797	sig	hypo
chr6	1.7E+08	1.7E+08	*	6.48E-112	4.15E-111	-0.29129	chr6_167815601_167815	sig	hypo
chr6	1.7E+08	1.7E+08	*	4.44E-131	3.65E-130	-0.31487	chr6_167815801_167816	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.99E-131	2.46E-130	0.271597	chr6_167824601_167824	sig	hyper
chr6	1.7E+08	1.7E+08	*	3.226E-67	1.116E-66	-0.13752	chr6_167975401_167975	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.358E-34	4.816E-34	-0.18113	chr6_167999201_167999	sig	hypo
chr6	1.7E+08	1.7E+08	*	7.475E-37	1.601E-36	-0.20692	chr6_168001601_168001	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.898E-62	6.131E-62	-0.16553	chr6_168001801_168002	sig	hypo
chr6	1.7E+08	1.7E+08	*	4.678E-26	8.069E-26	-0.11632	chr6_168016401_168016	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.561E-38	3.442E-38	-0.10405	chr6_168035201_168035	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.887E-38	4.154E-38	-0.17577	chr6_168035601_168035	sig	hypo
chr6	1.7E+08	1.7E+08	*	4.215E-90	2.011E-89	-0.26642	chr6_168079001_168079	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.419E-64	4.734E-64	0.220815	chr6_168101201_168101	sig	hyper
chr6	1.7E+08	1.7E+08	*	3.13E-123	2.31E-122	-0.25017	chr6_168117001_168117	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.747E-30	5.163E-30	-0.14734	chr6_168132601_168132	sig	hypo
chr6	1.7E+08	1.7E+08	*	6.663E-71	2.429E-70	-0.13934	chr6_168132801_168133	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.991E-18	4.244E-18	-0.1185	chr6_168150601_168150	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.439E-13	1.783E-13	-0.10103	chr6_168150801_168151	sig	hypo
chr6	1.7E+08	1.7E+08	*	3.53E-182	5.76E-181	-0.26697	chr6_168180801_168181	sig	hypo
chr6	1.7E+08	1.7E+08	*	8.194E-56	2.399E-55	-0.20282	chr6_168192201_168192	sig	hypo
chr6	1.7E+08	1.7E+08	*	3.735E-38	8.18E-38	-0.1678	chr6_168227601_168227	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.011E-35	2.115E-35	-0.14672	chr6_168264601_168264	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.129E-56	3.346E-56	-0.1582	chr6_168264801_168265	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.58E-130	2.09E-129	-0.27284	chr6_168342801_168343	sig	hypo
chr6	1.7E+08	1.7E+08	*	4.49E-24	7.391E-24	-0.11993	chr6_168356401_168356	sig	hypo
chr6	1.7E+08	1.7E+08	*	8.73E-79	3.563E-78	-0.2951	chr6_168373001_168373	sig	hypo
chr6	1.7E+08	1.7E+08	*	5.68E-66	1.933E-65	-0.26778	chr6_168389001_168389	sig	hypo
chr6	1.7E+08	1.7E+08	*	3.57E-10	3.895E-10	-0.10955	chr6_168410401_168410	sig	hypo
chr6	1.7E+08	1.7E+08	*	3.863E-12	4.544E-12	-0.10077	chr6_168410601_168410	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.711E-22	2.709E-22	-0.11929	chr6_168411201_168411	sig	hypo

chr6	1.7E+08	1.7E+08	*	1.22E-130	9.98E-130	-0.14958	chr6_168411801_168412(	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.047E-29	1.946E-29	-0.12662	chr6_168437801_168438(	sig	hypo
chr6	1.7E+08	1.7E+08	*	6.092E-27	1.072E-26	0.131541	chr6_168444001_168444[	sig	hyper
chr6	1.7E+08	1.7E+08	*	1.823E-44	4.44E-44	-0.1023	chr6_168555001_168555[	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.97E-118	2.06E-117	0.344625	chr6_168574801_168575(	sig	hyper
chr6	1.7E+08	1.7E+08	*	1.613E-51	4.397E-51	-0.14923	chr6_168612401_168612(	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.815E-79	1.158E-78	-0.1642	chr6_168838001_168838[	sig	hypo
chr6	1.7E+08	1.7E+08	*	6.45E-50	1.718E-49	-0.18955	chr6_168838201_168838[	sig	hypo
chr6	1.7E+08	1.7E+08	*	4.084E-38	8.941E-38	-0.12289	chr6_168844401_168844(	sig	hypo
chr6	1.7E+08	1.7E+08	*	3.156E-22	4.963E-22	-0.11012	chr6_168872001_168872[	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.883E-25	4.875E-25	-0.17371	chr6_168886201_168886[	sig	hypo
chr6	1.7E+08	1.7E+08	*	8.873E-77	3.521E-76	-0.25751	chr6_168887001_168887[	sig	hypo
chr6	1.7E+08	1.7E+08	*	5.38E-104	3.07E-103	0.145078	chr6_168889001_168889[	sig	hyper
chr6	1.7E+08	1.7E+08	*	7.26E-103	4.08E-102	0.209836	chr6_168889201_168889[	sig	hyper
chr6	1.7E+08	1.7E+08	*	2.13E-178	3.31E-177	-0.2777	chr6_168909401_168909(	sig	hypo
chr6	1.7E+08	1.7E+08	*	5.08E-147	5.17E-146	-0.32932	chr6_168999401_168999(	sig	hypo
chr6	1.7E+08	1.7E+08	*	3.355E-96	1.744E-95	-0.23205	chr6_169140601_169140[	sig	hypo
chr6	1.7E+08	1.7E+08	*	7.213E-23	1.153E-22	-0.11895	chr6_169159201_169159[	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.041E-58	3.18E-58	-0.17011	chr6_169159401_169159(	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.053E-48	5.34E-48	-0.15556	chr6_169160001_169160[	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.49E-39	5.562E-39	-0.20346	chr6_169169601_169169[	sig	hypo
chr6	1.7E+08	1.7E+08	*	5.167E-31	9.861E-31	-0.10978	chr6_169173601_169173[	sig	hypo
chr6	1.7E+08	1.7E+08	*	7.235E-20	1.073E-19	-0.10648	chr6_169202001_169202[	sig	hypo
chr6	1.7E+08	1.7E+08	*	4.326E-36	9.115E-36	-0.11904	chr6_169222401_169222(	sig	hypo
chr6	1.7E+08	1.7E+08	*	5.041E-36	1.06E-35	-0.1651	chr6_169225401_169225(	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.015E-27	3.583E-27	0.146849	chr6_169452401_169452(	sig	hyper
chr6	1.7E+08	1.7E+08	*	5.889E-19	8.529E-19	0.110039	chr6_169578001_169578[	sig	hyper
chr6	1.7E+08	1.7E+08	*	7.49E-100	4.06E-99	-0.27262	chr6_169801401_169801(	sig	hypo
chr6	1.7E+08	1.7E+08	*	6.828E-38	1.489E-37	0.272977	chr6_170023401_170023(	sig	hyper
chr6	1.7E+08	1.7E+08	*	1.595E-25	2.716E-25	-0.2151	chr6_170058401_170058(	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.055E-45	5.077E-45	-0.20754	chr6_170058601_170058[	sig	hypo
chr6	1.7E+08	1.7E+08	*	8.104E-47	2.054E-46	-0.20369	chr6_170081601_170081[	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.3E-168	1.77E-167	-0.28592	chr6_170081801_170082(	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.588E-69	9.221E-69	-0.18179	chr6_170083201_170083[	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.33E-112	1.5E-111	0.29587	chr6_170096601_170096[	sig	hyper
chr6	1.7E+08	1.7E+08	*	5.642E-40	1.274E-39	-0.10641	chr6_170098401_170098(	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.195E-46	5.523E-46	-0.14419	chr6_170103401_170103(	sig	hypo
chr6	1.7E+08	1.7E+08	*	4.343E-22	6.806E-22	-0.13109	chr6_170110801_170111(	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.392E-36	2.966E-36	-0.16469	chr6_170129001_170129[	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.347E-30	2.549E-30	0.106919	chr6_170134201_170134[	sig	hyper
chr6	1.7E+08	1.7E+08	*	8.204E-67	2.822E-66	-0.15479	chr6_170141801_170142(	sig	hypo
chr6	1.7E+08	1.7E+08	*	6.216E-23	9.96E-23	-0.12338	chr6_170152201_170152[	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.336E-67	8.099E-67	-0.27861	chr6_170152601_170152[	sig	hypo
chr6	1.7E+08	1.7E+08	*	9.15E-125	6.91E-124	-0.30843	chr6_170152801_170153(	sig	hypo
chr6	1.7E+08	1.7E+08	*	8.59E-304	6.59E-302	-0.42451	chr6_170177001_170177[	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.673E-37	3.627E-37	-0.16701	chr6_170179001_170179[	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.5E-102	1.4E-101	-0.29417	chr6_170222801_170223(	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.676E-46	6.721E-46	-0.17474	chr6_170250601_170250[	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.099E-21	1.706E-21	-0.11678	chr6_170252801_170253(	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.093E-27	1.952E-27	-0.13804	chr6_170253401_170253(	sig	hypo
chr6	1.7E+08	1.7E+08	*	6.005E-19	8.696E-19	-0.1047	chr6_170255801_170256(	sig	hypo
chr6	1.7E+08	1.7E+08	*	4.177E-46	1.044E-45	-0.19152	chr6_170265601_170265[	sig	hypo
chr6	1.7E+08	1.7E+08	*	2.954E-32	5.777E-32	-0.11762	chr6_170271801_170272(	sig	hypo
chr6	1.7E+08	1.7E+08	*	3.487E-28	6.283E-28	-0.14172	chr6_170272001_170272[	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.27E-75	4.954E-75	-0.16008	chr6_170272201_170272[	sig	hypo
chr6	1.7E+08	1.7E+08	*	8.265E-31	1.57E-30	-0.13347	chr6_170280201_170280[	sig	hypo

chr6	1.7E+08	1.7E+08	*	2.445E-31	4.694E-31	-0.15231	chr6_170280401_170280	sig	hypo
chr6	1.7E+08	1.7E+08	*	4.456E-69	1.583E-68	-0.18402	chr6_170280601_170280	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.45E-34	2.973E-34	-0.15908	chr6_170280801_170281	sig	hypo
chr6	1.7E+08	1.7E+08	*	1.87E-103	1.06E-102	0.191723	chr6_170423001_170423	sig	hyper
chr6	1.7E+08	1.7E+08	*	7.485E-92	3.652E-91	0.234489	chr6_170423201_170423	sig	hyper
chr7	82401	82600	*	1.122E-31	2.168E-31	-0.13892	chr7_82401_82600	sig	hypo
chr7	118801	119000	*	2.53E-115	1.7E-114	-0.23438	chr7_118801_119000	sig	hypo
chr7	119201	119400	*	3.96E-44	9.593E-44	-0.25557	chr7_119201_119400	sig	hypo
chr7	119601	119800	*	1.839E-28	3.333E-28	-0.14992	chr7_119601_119800	sig	hypo
chr7	120401	120600	*	6.763E-27	1.189E-26	-0.11315	chr7_120401_120600	sig	hypo
chr7	120601	120800	*	2.201E-66	7.531E-66	-0.23497	chr7_120601_120800	sig	hypo
chr7	149801	150000	*	1.303E-16	1.768E-16	0.1097	chr7_149801_150000	sig	hyper
chr7	150001	150200	*	4.515E-15	5.866E-15	0.12929	chr7_150001_150200	sig	hyper
chr7	162401	162600	*	5.265E-22	8.236E-22	-0.11448	chr7_162401_162600	sig	hypo
chr7	163201	163400	*	3.789E-47	9.658E-47	0.195518	chr7_163201_163400	sig	hyper
chr7	169601	169800	*	4.584E-74	1.746E-73	-0.1971	chr7_169601_169800	sig	hypo
chr7	170001	170200	*	3.834E-29	7.044E-29	-0.13145	chr7_170001_170200	sig	hypo
chr7	170601	170800	*	1.474E-43	3.534E-43	-0.10788	chr7_170601_170800	sig	hypo
chr7	171201	171400	*	1.213E-95	6.25E-95	-0.18353	chr7_171201_171400	sig	hypo
chr7	175601	175800	*	7.447E-42	1.738E-41	-0.22136	chr7_175601_175800	sig	hypo
chr7	178801	179000	*	4.272E-65	1.436E-64	-0.14505	chr7_178801_179000	sig	hypo
chr7	181201	181400	*	2.574E-27	4.566E-27	-0.15512	chr7_181201_181400	sig	hypo
chr7	181801	182000	*	8.449E-55	2.433E-54	-0.12216	chr7_181801_182000	sig	hypo
chr7	184001	184200	*	1.399E-15	1.845E-15	-0.10628	chr7_184001_184200	sig	hypo
chr7	194001	194200	*	2.85E-137	2.53E-136	0.248834	chr7_194001_194200	sig	hyper
chr7	195401	195600	*	4.89E-99	2.625E-98	0.18079	chr7_195401_195600	sig	hyper
chr7	201801	202000	*	1.658E-36	3.527E-36	-0.1371	chr7_201801_202000	sig	hypo
chr7	210001	210200	*	2.101E-14	2.672E-14	-0.12339	chr7_210001_210200	sig	hypo
chr7	213401	213600	*	5.08E-59	1.558E-58	-0.15555	chr7_213401_213600	sig	hypo
chr7	216801	217000	*	3.909E-11	4.429E-11	0.106768	chr7_216801_217000	sig	hyper
chr7	218001	218200	*	1.029E-63	3.395E-63	-0.2415	chr7_218001_218200	sig	hypo
chr7	218201	218400	*	1.746E-20	2.63E-20	-0.1132	chr7_218201_218400	sig	hypo
chr7	223601	223800	*	1.26E-25	2.151E-25	-0.1086	chr7_223601_223800	sig	hypo
chr7	228001	228200	*	1.432E-65	4.846E-65	-0.24815	chr7_228001_228200	sig	hypo
chr7	229601	229800	*	3.07E-190	5.62E-189	0.263932	chr7_229601_229800	sig	hyper
chr7	486001	486200	*	8.204E-52	2.248E-51	-0.17952	chr7_486001_486200	sig	hypo
chr7	504801	505000	*	2.064E-45	5.097E-45	-0.14106	chr7_504801_505000	sig	hypo
chr7	530001	530200	*	3.427E-52	9.436E-52	-0.17267	chr7_530001_530200	sig	hypo
chr7	530201	530400	*	7.58E-100	4.11E-99	-0.22476	chr7_530201_530400	sig	hypo
chr7	533401	533600	*	9.63E-106	5.64E-105	-0.24455	chr7_533401_533600	sig	hypo
chr7	553801	554000	*	2.369E-24	3.922E-24	0.131213	chr7_553801_554000	sig	hyper
chr7	561601	561800	*	1.49E-239	5.24E-238	0.273917	chr7_561601_561800	sig	hyper
chr7	561801	562000	*	1.235E-95	6.362E-95	0.296814	chr7_561801_562000	sig	hyper
chr7	568801	569000	*	6.33E-124	4.73E-123	0.265883	chr7_568801_569000	sig	hyper
chr7	590801	591000	*	4.03E-183	6.64E-182	0.237354	chr7_590801_591000	sig	hyper
chr7	665801	666000	*	9.036E-86	4.056E-85	0.353963	chr7_665801_666000	sig	hyper
chr7	697201	697400	*	7.162E-22	1.118E-21	0.111612	chr7_697201_697400	sig	hyper
chr7	769001	769200	*	7.949E-32	1.541E-31	0.111396	chr7_769001_769200	sig	hyper
chr7	772001	772200	*	0	0	0.29855	chr7_772001_772200	sig	hyper
chr7	781601	781800	*	3.26E-183	5.38E-182	0.243321	chr7_781601_781800	sig	hyper
chr7	794801	795000	*	1.515E-17	2.108E-17	-0.12502	chr7_794801_795000	sig	hypo
chr7	797801	798000	*	1.05E-177	1.62E-176	0.308324	chr7_797801_798000	sig	hyper
chr7	813801	814000	*	4.526E-21	6.919E-21	0.169395	chr7_813801_814000	sig	hyper
chr7	838401	838600	*	2.227E-67	7.726E-67	0.193056	chr7_838401_838600	sig	hyper
chr7	867001	867200	*	0	0	0.504663	chr7_867001_867200	sig	hyper
chr7	868001	868200	*	1.57E-292	1.06E-290	0.318652	chr7_868001_868200	sig	hyper

chr7	868201	868400	*	5.09E-187	8.97E-186	0.181337	chr7_868201_868400	sig	hyper
chr7	875401	875600	*	6.554E-75	2.528E-74	0.158206	chr7_875401_875600	sig	hyper
chr7	915801	916000	*	3.332E-18	4.722E-18	-0.10238	chr7_915801_916000	sig	hypo
chr7	920601	920800	*	1.67E-101	9.23E-101	-0.26255	chr7_920601_920800	sig	hypo
chr7	920801	921000	*	5.36E-154	6E-153	-0.26382	chr7_920801_921000	sig	hypo
chr7	921601	921800	*	1.015E-31	1.962E-31	-0.17149	chr7_921601_921800	sig	hypo
chr7	923001	923200	*	1.78E-183	2.96E-182	-0.21638	chr7_923001_923200	sig	hypo
chr7	923601	923800	*	3.88E-142	3.68E-141	-0.29036	chr7_923601_923800	sig	hypo
chr7	927201	927400	*	9.096E-35	1.872E-34	-0.16105	chr7_927201_927400	sig	hypo
chr7	928801	929000	*	6.639E-88	3.078E-87	0.198122	chr7_928801_929000	sig	hyper
chr7	945201	945400	*	3.068E-88	1.428E-87	-0.30704	chr7_945201_945400	sig	hypo
chr7	946001	946200	*	1.477E-81	6.257E-81	-0.21714	chr7_946001_946200	sig	hypo
chr7	949401	949600	*	3.75E-114	2.48E-113	-0.31781	chr7_949401_949600	sig	hypo
chr7	955001	955200	*	5.034E-21	7.688E-21	0.120435	chr7_955001_955200	sig	hyper
chr7	975801	976000	*	1.556E-22	2.467E-22	-0.10809	chr7_975801_976000	sig	hypo
chr7	979201	979400	*	2.234E-73	8.416E-73	-0.15754	chr7_979201_979400	sig	hypo
chr7	983201	983400	*	1.91E-126	1.48E-125	0.193243	chr7_983201_983400	sig	hyper
chr7	983401	983600	*	5.247E-60	1.635E-59	0.23377	chr7_983401_983600	sig	hyper
chr7	986001	986200	*	2.919E-46	7.323E-46	-0.13747	chr7_986001_986200	sig	hypo
chr7	986401	986600	*	2.709E-18	3.85E-18	-0.10632	chr7_986401_986600	sig	hypo
chr7	1027601	1027800	*	1E-232	3.18E-231	0.254022	chr7_1027601_1027800	sig	hyper
chr7	1027801	1028000	*	6.738E-81	2.828E-80	0.255494	chr7_1027801_1028000	sig	hyper
chr7	1040801	1041000	*	2.31E-301	1.72E-299	0.343488	chr7_1040801_1041000	sig	hyper
chr7	1055001	1055200	*	6.588E-92	3.218E-91	0.299442	chr7_1055001_1055200	sig	hyper
chr7	1055201	1055400	*	1.59E-193	3.04E-192	0.324036	chr7_1055201_1055400	sig	hyper
chr7	1056001	1056200	*	4.012E-21	6.143E-21	0.123341	chr7_1056001_1056200	sig	hyper
chr7	1073201	1073400	*	3.667E-33	7.31E-33	0.195209	chr7_1073201_1073400	sig	hyper
chr7	1077801	1078000	*	1.369E-96	7.136E-96	0.125453	chr7_1077801_1078000	sig	hyper
chr7	1082001	1082200	*	4.514E-83	1.955E-82	0.160189	chr7_1082001_1082200	sig	hyper
chr7	1087201	1087400	*	1.924E-55	5.597E-55	0.158058	chr7_1087201_1087400	sig	hyper
chr7	1093601	1093800	*	2.931E-20	4.394E-20	0.121751	chr7_1093601_1093800	sig	hyper
chr7	1123801	1124000	*	0	0	0.335571	chr7_1123801_1124000	sig	hyper
chr7	1156601	1156800	*	1.69E-61	5.383E-61	-0.23055	chr7_1156601_1156800	sig	hypo
chr7	1158801	1159000	*	1.343E-44	3.28E-44	-0.2226	chr7_1158801_1159000	sig	hypo
chr7	1159001	1159200	*	1.647E-46	4.152E-46	-0.16978	chr7_1159001_1159200	sig	hypo
chr7	1177201	1177400	*	2.114E-42	4.973E-42	-0.13448	chr7_1177201_1177400	sig	hypo
chr7	1181201	1181400	*	4.71E-33	9.364E-33	-0.10782	chr7_1181201_1181400	sig	hypo
chr7	1193801	1194000	*	1.412E-47	3.624E-47	0.183716	chr7_1193801_1194000	sig	hyper
chr7	1195201	1195400	*	2.049E-45	5.062E-45	-0.18277	chr7_1195201_1195400	sig	hypo
chr7	1200201	1200400	*	1.299E-51	3.548E-51	0.170407	chr7_1200201_1200400	sig	hyper
chr7	1200401	1200600	*	5.416E-31	1.033E-30	0.132375	chr7_1200401_1200600	sig	hyper
chr7	1224401	1224600	*	3.59E-198	7.38E-197	0.40447	chr7_1224401_1224600	sig	hyper
chr7	1226001	1226200	*	3.45E-143	3.32E-142	0.266963	chr7_1226001_1226200	sig	hyper
chr7	1230801	1231000	*	1.709E-79	7.05E-79	0.265539	chr7_1230801_1231000	sig	hyper
chr7	1231001	1231200	*	2.945E-58	8.93E-58	0.25832	chr7_1231001_1231200	sig	hyper
chr7	1232801	1233000	*	4.19E-105	2.44E-104	0.322586	chr7_1232801_1233000	sig	hyper
chr7	1234401	1234600	*	2.549E-69	9.085E-69	0.249747	chr7_1234401_1234600	sig	hyper
chr7	1235601	1235800	*	2.95E-186	5.12E-185	0.328606	chr7_1235601_1235800	sig	hyper
chr7	1235801	1236000	*	4.8E-224	1.36E-222	0.332268	chr7_1235801_1236000	sig	hyper
chr7	1236801	1237000	*	3.864E-73	1.45E-72	0.179322	chr7_1236801_1237000	sig	hyper
chr7	1237001	1237200	*	1.13E-112	7.3E-112	0.183513	chr7_1237001_1237200	sig	hyper
chr7	1239401	1239600	*	9.036E-37	1.932E-36	0.155165	chr7_1239401_1239600	sig	hyper
chr7	1240801	1241000	*	3.337E-42	7.828E-42	0.144831	chr7_1240801_1241000	sig	hyper
chr7	1241801	1242000	*	2.772E-36	5.871E-36	0.192729	chr7_1241801_1242000	sig	hyper
chr7	1242401	1242600	*	2.34E-138	2.1E-137	0.321402	chr7_1242401_1242600	sig	hyper
chr7	1244201	1244400	*	2.728E-36	5.779E-36	0.135345	chr7_1244201_1244400	sig	hyper

chr7	1246601	1246800	*	3.03E-184	5.1E-183	0.24435	chr7_1246601_1246800	sig	hyper
chr7	1247801	1248000	*	3.727E-87	1.706E-86	0.177273	chr7_1247801_1248000	sig	hyper
chr7	1263801	1264000	*	7.033E-77	2.796E-76	-0.34061	chr7_1263801_1264000	sig	hypo
chr7	1276201	1276400	*	2.789E-12	3.298E-12	0.116337	chr7_1276201_1276400	sig	hyper
chr7	1289201	1289400	*	8.149E-23	1.301E-22	-0.15594	chr7_1289201_1289400	sig	hypo
chr7	1296401	1296600	*	1.37E-73	5.172E-73	-0.27414	chr7_1296401_1296600	sig	hypo
chr7	1296601	1296800	*	1.369E-17	1.908E-17	-0.10302	chr7_1296601_1296800	sig	hypo
chr7	1297601	1297800	*	3.786E-55	1.095E-54	0.121412	chr7_1297601_1297800	sig	hyper
chr7	1312001	1312200	*	6.048E-23	9.694E-23	-0.10316	chr7_1312001_1312200	sig	hypo
chr7	1312201	1312400	*	1.288E-78	5.245E-78	-0.16484	chr7_1312201_1312400	sig	hypo
chr7	1315001	1315200	*	3.67E-37	7.908E-37	-0.15755	chr7_1315001_1315200	sig	hypo
chr7	1315201	1315400	*	3.619E-35	7.504E-35	-0.14295	chr7_1315201_1315400	sig	hypo
chr7	1321401	1321600	*	1.928E-49	5.1E-49	0.178573	chr7_1321401_1321600	sig	hyper
chr7	1325201	1325400	*	1.609E-33	3.227E-33	-0.19995	chr7_1325201_1325400	sig	hypo
chr7	1325401	1325600	*	4.445E-40	1.006E-39	-0.15581	chr7_1325401_1325600	sig	hypo
chr7	1329601	1329800	*	1.159E-10	1.291E-10	0.103856	chr7_1329601_1329800	sig	hyper
chr7	1331001	1331200	*	1.594E-81	6.751E-81	0.187771	chr7_1331001_1331200	sig	hyper
chr7	1348801	1349000	*	1.377E-41	3.199E-41	-0.21288	chr7_1348801_1349000	sig	hypo
chr7	1349001	1349200	*	2.218E-17	3.072E-17	-0.10394	chr7_1349001_1349200	sig	hypo
chr7	1352801	1353000	*	1.154E-28	2.099E-28	-0.1307	chr7_1352801_1353000	sig	hypo
chr7	1367801	1368000	*	2.924E-29	5.382E-29	0.129244	chr7_1367801_1368000	sig	hyper
chr7	1383201	1383400	*	1.124E-68	3.967E-68	-0.19291	chr7_1383201_1383400	sig	hypo
chr7	1383401	1383600	*	1.604E-49	4.247E-49	-0.19323	chr7_1383401_1383600	sig	hypo
chr7	1395401	1395600	*	1.2E-114	8.03E-114	0.241901	chr7_1395401_1395600	sig	hyper
chr7	1421001	1421200	*	3.469E-62	1.117E-61	-0.18473	chr7_1421001_1421200	sig	hypo
chr7	1421201	1421400	*	1.31E-106	7.79E-106	-0.16888	chr7_1421201_1421400	sig	hypo
chr7	1452001	1452200	*	8.294E-30	1.545E-29	0.110642	chr7_1452001_1452200	sig	hyper
chr7	1455601	1455800	*	9.035E-62	2.893E-61	-0.25073	chr7_1455601_1455800	sig	hypo
chr7	1513401	1513600	*	5.95E-146	5.94E-145	-0.27753	chr7_1513401_1513600	sig	hypo
chr7	1520601	1520800	*	1.65E-100	9.03E-100	-0.28117	chr7_1520601_1520800	sig	hypo
chr7	1520801	1521000	*	2.511E-65	8.467E-65	-0.24771	chr7_1520801_1521000	sig	hypo
chr7	1524001	1524200	*	2.375E-24	3.932E-24	-0.15098	chr7_1524001_1524200	sig	hypo
chr7	1538001	1538200	*	4.06E-133	3.42E-132	0.294937	chr7_1538001_1538200	sig	hyper
chr7	1556401	1556600	*	1.53E-110	9.59E-110	-0.22776	chr7_1556401_1556600	sig	hypo
chr7	1567601	1567800	*	1.207E-68	4.26E-68	-0.18441	chr7_1567601_1567800	sig	hypo
chr7	1587401	1587600	*	1.38E-14	1.765E-14	-0.13806	chr7_1587401_1587600	sig	hypo
chr7	1596601	1596800	*	1.635E-37	3.544E-37	-0.18627	chr7_1596601_1596800	sig	hypo
chr7	1600401	1600600	*	7.165E-28	1.284E-27	-0.18241	chr7_1600401_1600600	sig	hypo
chr7	1602001	1602200	*	7.35E-104	4.19E-103	-0.20654	chr7_1602001_1602200	sig	hypo
chr7	1602201	1602400	*	1.37E-188	2.45E-187	-0.31537	chr7_1602201_1602400	sig	hypo
chr7	1604001	1604200	*	1.215E-31	2.347E-31	-0.12485	chr7_1604001_1604200	sig	hypo
chr7	1620001	1620200	*	3.457E-58	1.047E-57	-0.18509	chr7_1620001_1620200	sig	hypo
chr7	1620801	1621000	*	1.16E-118	8.13E-118	-0.25213	chr7_1620801_1621000	sig	hypo
chr7	1645001	1645200	*	2.29E-108	1.39E-107	-0.33765	chr7_1645001_1645200	sig	hypo
chr7	1647001	1647200	*	1.656E-30	3.128E-30	-0.15749	chr7_1647001_1647200	sig	hypo
chr7	1655201	1655400	*	1.69E-43	4.047E-43	-0.10116	chr7_1655201_1655400	sig	hypo
chr7	1675601	1675800	*	3.7E-25	6.242E-25	0.139418	chr7_1675601_1675800	sig	hyper
chr7	1693601	1693800	*	1.47E-105	8.62E-105	-0.29536	chr7_1693601_1693800	sig	hypo
chr7	1700801	1701000	*	2.134E-60	6.687E-60	-0.2112	chr7_1700801_1701000	sig	hypo
chr7	1707001	1707200	*	1.648E-39	3.69E-39	-0.18449	chr7_1707001_1707200	sig	hypo
chr7	1709001	1709200	*	1.152E-82	4.961E-82	-0.17187	chr7_1709001_1709200	sig	hypo
chr7	1713801	1714000	*	5.479E-84	2.4E-83	-0.22343	chr7_1713801_1714000	sig	hypo
chr7	1736401	1736600	*	3.334E-97	1.755E-96	-0.29015	chr7_1736401_1736600	sig	hypo
chr7	1742401	1742600	*	2.98E-149	3.14E-148	-0.45034	chr7_1742401_1742600	sig	hypo
chr7	1742601	1742800	*	2.357E-94	1.193E-93	-0.33377	chr7_1742601_1742800	sig	hypo
chr7	1747401	1747600	*	1.07E-126	8.28E-126	-0.30448	chr7_1747401_1747600	sig	hypo

chr7	1747601	1747800	*	1.17E-88	5.493E-88	-0.2308	chr7_1747601_1747800	sig	hypo
chr7	1753001	1753200	*	1.004E-88	4.716E-88	-0.30701	chr7_1753001_1753200	sig	hypo
chr7	1753201	1753400	*	1.708E-61	5.439E-61	-0.2952	chr7_1753201_1753400	sig	hypo
chr7	1753401	1753600	*	8.29E-233	2.63E-231	-0.29305	chr7_1753401_1753600	sig	hypo
chr7	1761801	1762000	*	4.43E-308	3.59E-306	-0.44115	chr7_1761801_1762000	sig	hypo
chr7	1769601	1769800	*	5.406E-64	1.791E-63	-0.11645	chr7_1769601_1769800	sig	hypo
chr7	1807801	1808000	*	1.632E-38	3.598E-38	-0.12152	chr7_1807801_1808000	sig	hypo
chr7	1810601	1810800	*	2.773E-75	1.076E-74	0.186514	chr7_1810601_1810800	sig	hyper
chr7	1842401	1842600	*	3.071E-78	1.244E-77	-0.18968	chr7_1842401_1842600	sig	hypo
chr7	1843201	1843400	*	1.558E-29	2.884E-29	0.103762	chr7_1843201_1843400	sig	hyper
chr7	1849801	1850000	*	5.235E-15	6.788E-15	0.105561	chr7_1849801_1850000	sig	hyper
chr7	1872401	1872600	*	3.22E-16	4.316E-16	0.104931	chr7_1872401_1872600	sig	hyper
chr7	1875601	1875800	*	3.544E-40	8.039E-40	-0.14622	chr7_1875601_1875800	sig	hypo
chr7	1920201	1920400	*	2.595E-18	3.689E-18	-0.15286	chr7_1920201_1920400	sig	hypo
chr7	1922601	1922800	*	4.641E-23	7.464E-23	-0.11801	chr7_1922601_1922800	sig	hypo
chr7	1928001	1928200	*	4.95E-27	8.724E-27	0.115408	chr7_1928001_1928200	sig	hyper
chr7	1940401	1940600	*	1.44E-32	2.835E-32	-0.15474	chr7_1940401_1940600	sig	hypo
chr7	1940601	1940800	*	9.059E-82	3.849E-81	-0.23925	chr7_1940601_1940800	sig	hypo
chr7	2019601	2019800	*	1.617E-68	5.691E-68	-0.24897	chr7_2019601_2019800	sig	hypo
chr7	2032001	2032200	*	1.061E-14	1.362E-14	0.104713	chr7_2032001_2032200	sig	hyper
chr7	2066601	2066800	*	8.18E-18	1.148E-17	-0.10922	chr7_2066601_2066800	sig	hypo
chr7	2082401	2082600	*	2.963E-42	6.958E-42	0.157636	chr7_2082401_2082600	sig	hyper
chr7	2104801	2105000	*	2.754E-46	6.915E-46	0.178746	chr7_2104801_2105000	sig	hyper
chr7	2105001	2105200	*	3.213E-47	8.202E-47	0.178156	chr7_2105001_2105200	sig	hyper
chr7	2110001	2110200	*	2.505E-28	4.524E-28	-0.13757	chr7_2110001_2110200	sig	hypo
chr7	2110201	2110400	*	6.15E-211	1.49E-209	-0.33043	chr7_2110201_2110400	sig	hypo
chr7	2116201	2116400	*	7.68E-111	4.85E-110	0.255433	chr7_2116201_2116400	sig	hyper
chr7	2149801	2150000	*	1.054E-27	1.883E-27	-0.10358	chr7_2149801_2150000	sig	hypo
chr7	2309801	2310000	*	3.238E-42	7.597E-42	0.174607	chr7_2309801_2310000	sig	hyper
chr7	2310001	2310200	*	2.179E-64	7.256E-64	0.155606	chr7_2310001_2310200	sig	hyper
chr7	2440801	2441000	*	3.97E-108	2.41E-107	-0.31138	chr7_2440801_2441000	sig	hypo
chr7	2509001	2509200	*	1.543E-21	2.387E-21	-0.1464	chr7_2509001_2509200	sig	hypo
chr7	2509201	2509400	*	5.483E-19	7.947E-19	-0.11297	chr7_2509201_2509400	sig	hypo
chr7	2511801	2512000	*	1.49E-20	2.25E-20	-0.13185	chr7_2511801_2512000	sig	hypo
chr7	2512201	2512400	*	5.63E-74	2.142E-73	-0.24314	chr7_2512201_2512400	sig	hypo
chr7	2526801	2527000	*	9.61E-36	2.011E-35	-0.2031	chr7_2526801_2527000	sig	hypo
chr7	2527001	2527200	*	5.509E-60	1.715E-59	-0.22869	chr7_2527001_2527200	sig	hypo
chr7	2567001	2567200	*	8.519E-86	3.828E-85	0.209304	chr7_2567001_2567200	sig	hyper
chr7	2567401	2567600	*	2.522E-31	4.84E-31	0.154183	chr7_2567401_2567600	sig	hyper
chr7	2567601	2567800	*	8.553E-17	1.166E-16	0.103874	chr7_2567601_2567800	sig	hyper
chr7	2570001	2570200	*	6.07E-31	1.157E-30	-0.10696	chr7_2570001_2570200	sig	hypo
chr7	2571601	2571800	*	1.36E-59	4.207E-59	-0.11659	chr7_2571601_2571800	sig	hypo
chr7	2572201	2572400	*	4.86E-164	6.24E-163	-0.37891	chr7_2572201_2572400	sig	hypo
chr7	2572401	2572600	*	4.21E-155	4.78E-154	-0.33459	chr7_2572401_2572600	sig	hypo
chr7	2665601	2665800	*	1.988E-41	4.603E-41	-0.17362	chr7_2665601_2665800	sig	hypo
chr7	2678401	2678600	*	3.029E-46	7.595E-46	-0.21743	chr7_2678401_2678600	sig	hypo
chr7	2678601	2678800	*	3.944E-50	1.054E-49	-0.25207	chr7_2678601_2678800	sig	hypo
chr7	2682001	2682200	*	1.275E-37	2.772E-37	-0.17329	chr7_2682001_2682200	sig	hypo
chr7	2688601	2688800	*	2.406E-54	6.877E-54	0.13256	chr7_2688601_2688800	sig	hyper
chr7	2689001	2689200	*	1.045E-15	1.382E-15	0.103276	chr7_2689001_2689200	sig	hyper
chr7	2692001	2692200	*	1.506E-34	3.088E-34	-0.25782	chr7_2692001_2692200	sig	hypo
chr7	2699201	2699400	*	1.299E-51	3.548E-51	-0.19026	chr7_2699201_2699400	sig	hypo
chr7	2700601	2700800	*	2.882E-54	8.226E-54	-0.1148	chr7_2700601_2700800	sig	hypo
chr7	2710001	2710200	*	9.138E-29	1.667E-28	-0.10994	chr7_2710001_2710200	sig	hypo
chr7	2715201	2715400	*	6.726E-22	1.051E-21	-0.10673	chr7_2715201_2715400	sig	hypo
chr7	2717201	2717400	*	2.671E-11	3.045E-11	0.130973	chr7_2717201_2717400	sig	hyper

chr7	2721001	2721200	*	3.755E-93	1.862E-92	-0.22345	chr7_2721001_2721200	sig	hypo
chr7	2729201	2729400	*	9.46E-109	5.8E-108	0.200768	chr7_2729201_2729400	sig	hyper
chr7	2729601	2729800	*	5.3E-116	3.59E-115	0.384643	chr7_2729601_2729800	sig	hyper
chr7	2733401	2733600	*	6.314E-48	1.629E-47	-0.16765	chr7_2733401_2733600	sig	hypo
chr7	2734801	2735000	*	5.62E-193	1.07E-191	0.276657	chr7_2734801_2735000	sig	hyper
chr7	2738401	2738600	*	7.352E-72	2.714E-71	0.2378	chr7_2738401_2738600	sig	hyper
chr7	2763001	2763200	*	6.771E-83	2.927E-82	0.266427	chr7_2763001_2763200	sig	hyper
chr7	2763201	2763400	*	2.033E-76	8.019E-76	0.187622	chr7_2763201_2763400	sig	hyper
chr7	2863601	2863800	*	3.656E-78	1.479E-77	-0.14217	chr7_2863601_2863800	sig	hypo
chr7	2904401	2904600	*	3.229E-21	4.953E-21	-0.14822	chr7_2904401_2904600	sig	hypo
chr7	2932401	2932600	*	4.441E-35	9.192E-35	-0.21729	chr7_2932401_2932600	sig	hypo
chr7	2937201	2937400	*	4.265E-16	5.693E-16	-0.10538	chr7_2937201_2937400	sig	hypo
chr7	2986001	2986200	*	3.075E-44	7.461E-44	-0.15663	chr7_2986001_2986200	sig	hypo
chr7	3056801	3057000	*	2.66E-117	1.83E-116	0.215584	chr7_3056801_3057000	sig	hyper
chr7	3095001	3095200	*	3.539E-63	1.157E-62	-0.2179	chr7_3095001_3095200	sig	hypo
chr7	3302001	3302200	*	1.66E-214	4.22E-213	0.271861	chr7_3302001_3302200	sig	hyper
chr7	3302201	3302400	*	7.64E-191	1.41E-189	0.277537	chr7_3302201_3302400	sig	hyper
chr7	3880401	3880600	*	1.18E-107	7.11E-107	-0.21824	chr7_3880401_3880600	sig	hypo
chr7	3880601	3880800	*	1.042E-24	1.742E-24	-0.11451	chr7_3880601_3880800	sig	hypo
chr7	3949001	3949200	*	8.53E-22	1.328E-21	0.143338	chr7_3949001_3949200	sig	hyper
chr7	3957201	3957400	*	3.49E-31	6.682E-31	-0.11402	chr7_3957201_3957400	sig	hypo
chr7	3969401	3969600	*	4.072E-26	7.034E-26	-0.11192	chr7_3969401_3969600	sig	hypo
chr7	3972801	3973000	*	5.183E-46	1.293E-45	-0.1626	chr7_3972801_3973000	sig	hypo
chr7	3974401	3974600	*	1.997E-72	7.422E-72	-0.12267	chr7_3974401_3974600	sig	hypo
chr7	4107201	4107400	*	2.87E-38	6.293E-38	-0.10469	chr7_4107201_4107400	sig	hypo
chr7	4107601	4107800	*	1.25E-102	6.99E-102	-0.22857	chr7_4107601_4107800	sig	hypo
chr7	4113201	4113400	*	7.228E-35	1.491E-34	-0.17474	chr7_4113201_4113400	sig	hypo
chr7	4114001	4114200	*	7.629E-29	1.393E-28	-0.1168	chr7_4114001_4114200	sig	hypo
chr7	4127801	4128000	*	2.68E-115	1.8E-114	-0.30983	chr7_4127801_4128000	sig	hypo
chr7	4128001	4128200	*	4.7E-60	1.465E-59	-0.17664	chr7_4128001_4128200	sig	hypo
chr7	4134801	4135000	*	3.809E-25	6.425E-25	-0.11986	chr7_4134801_4135000	sig	hypo
chr7	4135401	4135600	*	9.2E-24	1.503E-23	-0.13567	chr7_4135401_4135600	sig	hypo
chr7	4135601	4135800	*	1.793E-93	8.953E-93	-0.24436	chr7_4135601_4135800	sig	hypo
chr7	4148001	4148200	*	3.306E-33	6.597E-33	-0.20022	chr7_4148001_4148200	sig	hypo
chr7	4179001	4179200	*	2.144E-66	7.339E-66	-0.17687	chr7_4179001_4179200	sig	hypo
chr7	4189201	4189400	*	1.407E-86	6.392E-86	0.276835	chr7_4189201_4189400	sig	hyper
chr7	4205601	4205800	*	5.077E-64	1.684E-63	-0.23863	chr7_4205601_4205800	sig	hypo
chr7	4210401	4210600	*	6.611E-29	1.209E-28	-0.14024	chr7_4210401_4210600	sig	hypo
chr7	4214601	4214800	*	2.706E-76	1.065E-75	-0.28147	chr7_4214601_4214800	sig	hypo
chr7	4221201	4221400	*	1.038E-35	2.173E-35	-0.103	chr7_4221201_4221400	sig	hypo
chr7	4225601	4225800	*	1.03E-51	2.818E-51	-0.14334	chr7_4225601_4225800	sig	hypo
chr7	4267601	4267800	*	1.887E-14	2.404E-14	0.126098	chr7_4267601_4267800	sig	hyper
chr7	4268401	4268600	*	2.973E-45	7.326E-45	-0.14845	chr7_4268401_4268600	sig	hypo
chr7	4268601	4268800	*	1.602E-83	6.986E-83	-0.18706	chr7_4268601_4268800	sig	hypo
chr7	4707201	4707400	*	2.174E-54	6.216E-54	0.178338	chr7_4707201_4707400	sig	hyper
chr7	4707401	4707600	*	4.696E-53	1.313E-52	0.126965	chr7_4707401_4707600	sig	hyper
chr7	4707601	4707800	*	9.923E-45	2.428E-44	0.184188	chr7_4707601_4707800	sig	hyper
chr7	4712401	4712600	*	1.992E-76	7.858E-76	-0.16556	chr7_4712401_4712600	sig	hypo
chr7	4713201	4713400	*	6.732E-18	9.467E-18	-0.10882	chr7_4713201_4713400	sig	hypo
chr7	4723401	4723600	*	2.63E-133	2.23E-132	0.260374	chr7_4723401_4723600	sig	hyper
chr7	4725201	4725400	*	5.27E-261	2.41E-259	0.26341	chr7_4725201_4725400	sig	hyper
chr7	4725401	4725600	*	2.447E-84	1.079E-83	0.259434	chr7_4725401_4725600	sig	hyper
chr7	4730401	4730600	*	2.488E-29	4.587E-29	0.116051	chr7_4730401_4730600	sig	hyper
chr7	4739201	4739400	*	5.042E-91	2.44E-90	0.27622	chr7_4739201_4739400	sig	hyper
chr7	4739601	4739800	*	8.91E-265	4.33E-263	0.342648	chr7_4739601_4739800	sig	hyper
chr7	4765201	4765400	*	3.18E-30	5.972E-30	0.113121	chr7_4765201_4765400	sig	hyper

chr7	4767201	4767400	*	0	0	0.361967	chr7_4767201_4767400	sig	hyper
chr7	4767401	4767600	*	1.7E-141	1.6E-140	0.311551	chr7_4767401_4767600	sig	hyper
chr7	4767801	4768000	*	1.14E-277	6.44E-276	0.395135	chr7_4767801_4768000	sig	hyper
chr7	4769201	4769400	*	1.367E-71	5.029E-71	0.22164	chr7_4769201_4769400	sig	hyper
chr7	4804001	4804200	*	3.855E-33	7.681E-33	-0.16581	chr7_4804001_4804200	sig	hypo
chr7	4804201	4804400	*	6.295E-52	1.728E-51	-0.14889	chr7_4804201_4804400	sig	hypo
chr7	4810401	4810600	*	9.91E-90	4.707E-89	-0.31534	chr7_4810401_4810600	sig	hypo
chr7	4810601	4810800	*	0	0	-0.36193	chr7_4810601_4810800	sig	hypo
chr7	4817201	4817400	*	3.443E-46	8.62E-46	-0.11725	chr7_4817201_4817400	sig	hypo
chr7	4822601	4822800	*	1.997E-61	6.35E-61	-0.28888	chr7_4822601_4822800	sig	hypo
chr7	4833201	4833400	*	4.2E-139	3.82E-138	-0.23427	chr7_4833201_4833400	sig	hypo
chr7	4833401	4833600	*	1.142E-64	3.816E-64	-0.16595	chr7_4833401_4833600	sig	hypo
chr7	4833601	4833800	*	1.568E-32	3.083E-32	-0.18013	chr7_4833601_4833800	sig	hypo
chr7	4837201	4837400	*	2.109E-69	7.521E-69	-0.22032	chr7_4837201_4837400	sig	hypo
chr7	4839001	4839200	*	1.431E-38	3.157E-38	-0.12568	chr7_4839001_4839200	sig	hypo
chr7	4845801	4846000	*	1.259E-25	2.149E-25	-0.11338	chr7_4845801_4846000	sig	hypo
chr7	4862001	4862200	*	6.15E-119	4.3E-118	0.260242	chr7_4862001_4862200	sig	hyper
chr7	4871201	4871400	*	1.952E-25	3.314E-25	-0.11504	chr7_4871201_4871400	sig	hypo
chr7	4871401	4871600	*	3.848E-35	7.975E-35	-0.12005	chr7_4871401_4871600	sig	hypo
chr7	4874001	4874200	*	7.071E-19	1.022E-18	-0.11168	chr7_4874001_4874200	sig	hypo
chr7	4877601	4877800	*	4.967E-46	1.24E-45	-0.10899	chr7_4877601_4877800	sig	hypo
chr7	4882201	4882400	*	4.8E-115	3.22E-114	0.188187	chr7_4882201_4882400	sig	hyper
chr7	4882401	4882600	*	8.09E-99	4.331E-98	0.205487	chr7_4882401_4882600	sig	hyper
chr7	5144401	5144600	*	5.588E-19	8.098E-19	0.106995	chr7_5144401_5144600	sig	hyper
chr7	5238401	5238600	*	3.158E-21	4.847E-21	-0.13463	chr7_5238401_5238600	sig	hypo
chr7	5238601	5238800	*	2.409E-91	1.171E-90	-0.18928	chr7_5238601_5238800	sig	hypo
chr7	5290601	5290800	*	1.498E-68	5.273E-68	-0.10975	chr7_5290601_5290800	sig	hypo
chr7	5297001	5297200	*	4.55E-106	2.68E-105	-0.17214	chr7_5297001_5297200	sig	hypo
chr7	5300601	5300800	*	6.29E-131	5.15E-130	-0.25874	chr7_5300601_5300800	sig	hypo
chr7	5303201	5303400	*	2.68E-143	2.58E-142	-0.35468	chr7_5303201_5303400	sig	hypo
chr7	5303401	5303600	*	1.237E-48	3.228E-48	-0.22791	chr7_5303401_5303600	sig	hypo
chr7	5304001	5304200	*	9.61E-276	5.32E-274	-0.32288	chr7_5304001_5304200	sig	hypo
chr7	5349001	5349200	*	1.46E-111	9.33E-111	0.318998	chr7_5349001_5349200	sig	hyper
chr7	5349201	5349400	*	1.09E-121	7.87E-121	0.30304	chr7_5349201_5349400	sig	hyper
chr7	5349601	5349800	*	1.27E-304	9.92E-303	0.341584	chr7_5349601_5349800	sig	hyper
chr7	5350801	5351000	*	8.739E-87	3.981E-86	0.142209	chr7_5350801_5351000	sig	hyper
chr7	5357001	5357200	*	4.869E-26	8.397E-26	0.140969	chr7_5357001_5357200	sig	hyper
chr7	5478601	5478800	*	5.275E-67	1.82E-66	0.267338	chr7_5478601_5478800	sig	hyper
chr7	5479201	5479400	*	2.73E-104	1.57E-103	0.317827	chr7_5479201_5479400	sig	hyper
chr7	5484001	5484200	*	1.98E-32	3.886E-32	-0.11224	chr7_5484001_5484200	sig	hypo
chr7	5488001	5488200	*	1.492E-25	2.541E-25	-0.116	chr7_5488001_5488200	sig	hypo
chr7	5491201	5491400	*	2.178E-80	9.092E-80	0.151756	chr7_5491201_5491400	sig	hyper
chr7	5495001	5495200	*	4.666E-25	7.855E-25	0.131625	chr7_5495001_5495200	sig	hyper
chr7	5495601	5495800	*	1.485E-54	4.258E-54	0.192748	chr7_5495601_5495800	sig	hyper
chr7	5495801	5496000	*	6.949E-40	1.567E-39	0.166978	chr7_5495801_5496000	sig	hyper
chr7	5527801	5528000	*	4.854E-34	9.838E-34	0.169051	chr7_5527801_5528000	sig	hyper
chr7	5528001	5528200	*	5.78E-47	1.469E-46	0.17094	chr7_5528001_5528200	sig	hyper
chr7	5528401	5528600	*	1.991E-41	4.61E-41	0.102015	chr7_5528401_5528600	sig	hyper
chr7	5528601	5528800	*	3.983E-26	6.883E-26	0.100047	chr7_5528601_5528800	sig	hyper
chr7	5533001	5533200	*	3.65E-177	5.56E-176	-0.36779	chr7_5533001_5533200	sig	hypo
chr7	5558001	5558200	*	1.193E-77	4.787E-77	0.149424	chr7_5558001_5558200	sig	hyper
chr7	5590201	5590400	*	2.224E-55	6.464E-55	-0.18995	chr7_5590201_5590400	sig	hypo
chr7	5603001	5603200	*	3.878E-61	1.227E-60	-0.16163	chr7_5603001_5603200	sig	hypo
chr7	5608201	5608400	*	1.512E-55	4.405E-55	-0.18143	chr7_5608201_5608400	sig	hypo
chr7	5610401	5610600	*	2.512E-20	3.773E-20	-0.13205	chr7_5610401_5610600	sig	hypo
chr7	5781801	5782000	*	2.649E-42	6.225E-42	-0.20567	chr7_5781801_5782000	sig	hypo

chr7	6149001	6149200	*	1.038E-79	4.294E-79	0.166157	chr7_6149001_6149200	sig	hyper
chr7	6160401	6160600	*	1.327E-92	6.524E-92	0.340386	chr7_6160401_6160600	sig	hyper
chr7	6271001	6271200	*	7.747E-45	1.897E-44	0.118648	chr7_6271001_6271200	sig	hyper
chr7	6399001	6399200	*	1.947E-20	2.931E-20	0.112428	chr7_6399001_6399200	sig	hyper
chr7	6506001	6506200	*	1.712E-15	2.252E-15	0.119757	chr7_6506001_6506200	sig	hyper
chr7	6526601	6526800	*	1.292E-57	3.887E-57	0.102316	chr7_6526601_6526800	sig	hyper
chr7	6526801	6527000	*	5.269E-71	1.925E-70	0.124886	chr7_6526801_6527000	sig	hyper
chr7	6530801	6531000	*	3.704E-54	1.056E-53	0.120197	chr7_6530801_6531000	sig	hyper
chr7	6531401	6531600	*	2.657E-30	4.997E-30	0.138334	chr7_6531401_6531600	sig	hyper
chr7	6536601	6536800	*	4.22E-75	1.632E-74	0.207643	chr7_6536601_6536800	sig	hyper
chr7	6616001	6616200	*	4.951E-71	1.809E-70	0.185797	chr7_6616001_6616200	sig	hyper
chr7	6663801	6664000	*	1.641E-37	3.557E-37	0.175579	chr7_6663801_6664000	sig	hyper
chr7	6664401	6664600	*	2.508E-74	9.586E-74	0.273657	chr7_6664401_6664600	sig	hyper
chr7	6842401	6842600	*	2.79E-160	3.39E-159	-0.22486	chr7_6842401_6842600	sig	hypo
chr7	6846201	6846400	*	4.594E-41	1.057E-40	-0.17049	chr7_6846201_6846400	sig	hypo
chr7	6871401	6871600	*	2.94E-126	2.26E-125	-0.24043	chr7_6871401_6871600	sig	hypo
chr7	8433801	8434000	*	5.65E-105	3.28E-104	0.113909	chr7_8433801_8434000	sig	hyper
chr7	8434801	8435000	*	4.943E-73	1.853E-72	0.305409	chr7_8434801_8435000	sig	hyper
chr7	8435801	8436000	*	3.858E-62	1.242E-61	0.262245	chr7_8435801_8436000	sig	hyper
chr7	8436401	8436600	*	1.168E-51	3.193E-51	0.212845	chr7_8436401_8436600	sig	hyper
chr7	8437401	8437600	*	3.14E-25	5.305E-25	0.10737	chr7_8437401_8437600	sig	hyper
chr7	8441001	8441200	*	4.26E-237	1.44E-235	0.30829	chr7_8441001_8441200	sig	hyper
chr7	8441201	8441400	*	1.39E-187	2.45E-186	0.364062	chr7_8441201_8441400	sig	hyper
chr7	8442401	8442600	*	8.72E-242	3.16E-240	0.321283	chr7_8442401_8442600	sig	hyper
chr7	8442601	8442800	*	1.86E-263	8.79E-262	0.357501	chr7_8442601_8442800	sig	hyper
chr7	8443601	8443800	*	5.24E-210	1.25E-208	0.336166	chr7_8443601_8443800	sig	hyper
chr7	8444001	8444200	*	1.37E-207	3.16E-206	0.427694	chr7_8444001_8444200	sig	hyper
chr7	9726401	9726600	*	4.137E-36	8.72E-36	-0.12065	chr7_9726401_9726600	sig	hypo
chr7	1.1E+07	1.1E+07	*	4.298E-75	1.663E-74	-0.21338	chr7_10973201_1097340(	sig	hypo
chr7	1.2E+07	1.2E+07	*	1.374E-52	3.815E-52	0.231645	chr7_11832401_1183260(	sig	hyper
chr7	1.2E+07	1.2E+07	*	2.504E-23	4.05E-23	0.10185	chr7_12404201_1240440(	sig	hyper
chr7	1.6E+07	1.6E+07	*	2.8E-144	2.73E-143	0.207167	chr7_15685401_1568560(	sig	hyper
chr7	1.6E+07	1.6E+07	*	1.74E-123	1.29E-122	0.225617	chr7_15685601_1568580(	sig	hyper
chr7	1.6E+07	1.6E+07	*	2.19E-102	1.22E-101	0.186698	chr7_15685801_1568600(	sig	hyper
chr7	1.6E+07	1.6E+07	*	1.434E-51	3.91E-51	0.190435	chr7_15686201_1568640(	sig	hyper
chr7	1.6E+07	1.6E+07	*	8.227E-80	3.411E-79	0.118816	chr7_15686401_1568660(	sig	hyper
chr7	1.6E+07	1.6E+07	*	1.16E-113	7.64E-113	0.165011	chr7_15687001_1568720(	sig	hyper
chr7	1.6E+07	1.6E+07	*	5.7E-30	1.065E-29	0.186235	chr7_15687201_1568740(	sig	hyper
chr7	1.6E+07	1.6E+07	*	3.084E-52	8.495E-52	0.229867	chr7_15687401_1568760(	sig	hyper
chr7	1.6E+07	1.6E+07	*	9E-147	9.12E-146	0.212022	chr7_15687801_1568800(	sig	hyper
chr7	1.7E+07	1.7E+07	*	1.54E-111	9.8E-111	-0.1321	chr7_17299801_1730000(	sig	hypo
chr7	1.8E+07	1.8E+07	*	1.95E-87	8.963E-87	0.121031	chr7_18086201_1808640(	sig	hyper
chr7	1.8E+07	1.8E+07	*	6.52E-278	3.68E-276	0.277087	chr7_18087201_1808740(	sig	hyper
chr7	1.8E+07	1.8E+07	*	2.48E-148	2.57E-147	0.286192	chr7_18087401_1808760(	sig	hyper
chr7	1.8E+07	1.8E+07	*	1.114E-36	2.377E-36	0.169794	chr7_18087801_1808800(	sig	hyper
chr7	1.9E+07	1.9E+07	*	2.71E-170	3.79E-169	0.252215	chr7_19106601_1910680(	sig	hyper
chr7	1.9E+07	1.9E+07	*	3.21E-228	9.57E-227	0.336707	chr7_19106801_1910700(	sig	hyper
chr7	1.9E+07	1.9E+07	*	0	0	0.308417	chr7_19107601_1910780(	sig	hyper
chr7	1.9E+07	1.9E+07	*	9.39E-83	4.051E-82	0.276351	chr7_19117401_1911760(	sig	hyper
chr7	1.9E+07	1.9E+07	*	7.585E-95	3.865E-94	0.225463	chr7_19117601_1911780(	sig	hyper
chr7	1.9E+07	1.9E+07	*	1.837E-71	6.748E-71	0.232442	chr7_19118001_1911820(	sig	hyper
chr7	1.9E+07	1.9E+07	*	1.16E-123	8.65E-123	0.316357	chr7_19118401_1911860(	sig	hyper
chr7	1.9E+07	1.9E+07	*	2.318E-25	3.929E-25	0.101249	chr7_19119001_1911920(	sig	hyper
chr7	1.9E+07	1.9E+07	*	5.029E-43	1.196E-42	0.205279	chr7_19143801_1914400(	sig	hyper
chr7	2E+07	2E+07	*	1.44E-170	2.02E-169	0.26075	chr7_19772801_1977300(	sig	hyper
chr7	2.1E+07	2.1E+07	*	8.13E-147	8.24E-146	0.230548	chr7_20776601_2077680(	sig	hyper

chr7	2.1E+07	2.1E+07	*	4.8E-74	1.828E-73	0.233909	chr7_20776801_2077700(	sig	hyper
chr7	2.1E+07	2.1E+07	*	2.664E-46	6.69E-46	0.153495	chr7_20778201_2077840(	sig	hyper
chr7	2.1E+07	2.1E+07	*	8.848E-44	2.131E-43	0.157487	chr7_20779001_2077920(	sig	hyper
chr7	2.1E+07	2.1E+07	*	9.79E-107	5.82E-106	0.274803	chr7_20779201_2077940(	sig	hyper
chr7	2.1E+07	2.1E+07	*	3.617E-97	1.903E-96	0.321837	chr7_20793401_2079360(	sig	hyper
chr7	2.1E+07	2.1E+07	*	3.441E-86	1.555E-85	0.232246	chr7_20794601_2079480(	sig	hyper
chr7	2.2E+07	2.2E+07	*	4.781E-62	1.537E-61	0.175164	chr7_21542801_2154300(	sig	hyper
chr7	2.2E+07	2.2E+07	*	4.51E-104	2.58E-103	0.163955	chr7_21543601_2154380(	sig	hyper
chr7	2.2E+07	2.2E+07	*	1.782E-78	7.232E-78	0.169775	chr7_21543801_2154400(	sig	hyper
chr7	2.2E+07	2.2E+07	*	2.117E-25	3.592E-25	-0.10669	chr7_22032401_2203260(	sig	hypo
chr7	2.3E+07	2.3E+07	*	7.559E-17	1.032E-16	-0.10367	chr7_23246801_2324700(	sig	hypo
chr7	2.3E+07	2.3E+07	*	1.823E-82	7.829E-82	0.177512	chr7_23247601_2324780(	sig	hyper
chr7	2.3E+07	2.3E+07	*	9.3E-163	1.17E-161	0.189222	chr7_23247801_2324800(	sig	hyper
chr7	2.3E+07	2.3E+07	*	3.026E-40	6.874E-40	0.177467	chr7_23490601_2349080(	sig	hyper
chr7	2.3E+07	2.3E+07	*	2.01E-131	1.66E-130	0.193182	chr7_23490801_2349100(	sig	hyper
chr7	2.3E+07	2.3E+07	*	3.797E-52	1.045E-51	0.159525	chr7_23491001_2349120(	sig	hyper
chr7	2.4E+07	2.4E+07	*	4.21E-152	4.62E-151	-0.23063	chr7_23710001_2371020(	sig	hypo
chr7	2.4E+07	2.4E+07	*	3.694E-72	1.369E-71	-0.21152	chr7_23904801_2390500(	sig	hypo
chr7	2.4E+07	2.4E+07	*	8.255E-73	3.084E-72	0.332962	chr7_24283801_2428400(	sig	hyper
chr7	2.4E+07	2.4E+07	*	8.15E-212	2E-210	0.353924	chr7_24284201_2428440(	sig	hyper
chr7	2.4E+07	2.4E+07	*	2.71E-206	6.12E-205	0.281345	chr7_24285201_2428540(	sig	hyper
chr7	2.5E+07	2.5E+07	*	1.565E-86	7.108E-86	0.130865	chr7_24756801_2475700(	sig	hyper
chr7	2.5E+07	2.5E+07	*	6.22E-136	5.42E-135	0.157091	chr7_24757601_2475780(	sig	hyper
chr7	2.5E+07	2.5E+07	*	2.81E-163	3.57E-162	0.153017	chr7_24757801_2475800(	sig	hyper
chr7	2.5E+07	2.5E+07	*	1.1E-120	7.85E-120	-0.19216	chr7_24978801_2497900(	sig	hypo
chr7	2.6E+07	2.6E+07	*	9.703E-27	1.7E-26	-0.12531	chr7_25851201_2585140(	sig	hypo
chr7	2.6E+07	2.6E+07	*	2.067E-40	4.706E-40	-0.15117	chr7_25858601_2585880(	sig	hypo
chr7	2.6E+07	2.6E+07	*	2.127E-61	6.755E-61	-0.11472	chr7_25859001_2585920(	sig	hypo
chr7	2.6E+07	2.6E+07	*	5.02E-272	2.66E-270	-0.37843	chr7_25859401_2585960(	sig	hypo
chr7	2.6E+07	2.6E+07	*	1.44E-92	7.076E-92	-0.18888	chr7_25949801_2595000(	sig	hypo
chr7	2.6E+07	2.6E+07	*	2.254E-62	7.275E-62	-0.21497	chr7_25952001_2595220(	sig	hypo
chr7	2.6E+07	2.6E+07	*	2.358E-38	5.179E-38	-0.11322	chr7_25952801_2595300(	sig	hypo
chr7	2.6E+07	2.6E+07	*	8.787E-26	1.507E-25	-0.1444	chr7_26151801_2615200(	sig	hypo
chr7	2.7E+07	2.7E+07	*	1.002E-25	1.716E-25	0.109517	chr7_27095401_2709560(	sig	hyper
chr7	2.7E+07	2.7E+07	*	1.114E-54	3.202E-54	0.143456	chr7_27095601_2709580(	sig	hyper
chr7	2.7E+07	2.7E+07	*	3.509E-90	1.677E-89	0.348508	chr7_27098201_2709840(	sig	hyper
chr7	2.7E+07	2.7E+07	*	1.852E-35	3.864E-35	0.126104	chr7_27098401_2709860(	sig	hyper
chr7	2.7E+07	2.7E+07	*	2.894E-27	5.126E-27	0.124928	chr7_27098601_2709880(	sig	hyper
chr7	2.7E+07	2.7E+07	*	1.779E-50	4.772E-50	0.121385	chr7_27099001_2709920(	sig	hyper
chr7	2.7E+07	2.7E+07	*	2.304E-27	4.092E-27	0.117802	chr7_27099201_2709940(	sig	hyper
chr7	2.7E+07	2.7E+07	*	0	0	0.466969	chr7_27101401_2710160(	sig	hyper
chr7	2.7E+07	2.7E+07	*	4.71E-168	6.37E-167	0.359929	chr7_27102801_2710300(	sig	hyper
chr7	2.7E+07	2.7E+07	*	0	0	0.38585	chr7_27103001_2710320(	sig	hyper
chr7	2.7E+07	2.7E+07	*	0	0	0.31804	chr7_27103601_2710380(	sig	hyper
chr7	2.7E+07	2.7E+07	*	1.02E-123	7.6E-123	0.318179	chr7_27103801_2710400(	sig	hyper
chr7	2.7E+07	2.7E+07	*	2.295E-80	9.579E-80	0.367463	chr7_27106401_2710660(	sig	hyper
chr7	2.7E+07	2.7E+07	*	0	0	0.441881	chr7_27106601_2710680(	sig	hyper
chr7	2.7E+07	2.7E+07	*	0	0	0.458158	chr7_27108401_2710860(	sig	hyper
chr7	2.7E+07	2.7E+07	*	1.63E-231	5.08E-230	0.212412	chr7_27110601_2711080(	sig	hyper
chr7	2.7E+07	2.7E+07	*	6.37E-82	2.716E-81	0.355042	chr7_27113201_2711340(	sig	hyper
chr7	2.7E+07	2.7E+07	*	4.203E-32	8.196E-32	0.154116	chr7_27115601_2711580(	sig	hyper
chr7	2.7E+07	2.7E+07	*	4.73E-125	3.58E-124	0.335798	chr7_27115801_2711600(	sig	hyper
chr7	2.7E+07	2.7E+07	*	1.02E-134	8.77E-134	-0.24271	chr7_27122001_2712220(	sig	hypo
chr7	2.7E+07	2.7E+07	*	6.072E-55	1.751E-54	-0.19445	chr7_27122401_2712260(	sig	hypo
chr7	2.7E+07	2.7E+07	*	1.45E-161	1.8E-160	-0.25889	chr7_27122601_2712280(	sig	hypo
chr7	2.7E+07	2.7E+07	*	0	0	0.358241	chr7_27124201_2712440(	sig	hyper

chr7	2.7E+07	2.7E+07	*	3.9E-30	7.315E-30	0.147552	chr7_27124601_2712480(	sig	hyper
chr7	2.7E+07	2.7E+07	*	6.48E-48	1.672E-47	0.200763	chr7_27129201_2712940(	sig	hyper
chr7	2.7E+07	2.7E+07	*	4.549E-12	5.337E-12	-0.10797	chr7_27139401_2713960(	sig	hypo
chr7	2.7E+07	2.7E+07	*	1.276E-78	5.197E-78	0.191453	chr7_27141201_2714140(	sig	hyper
chr7	2.7E+07	2.7E+07	*	1.272E-90	6.115E-90	0.212053	chr7_27142001_2714220(	sig	hyper
chr7	2.7E+07	2.7E+07	*	1.845E-62	5.962E-62	0.313806	chr7_27143001_2714320(	sig	hyper
chr7	2.7E+07	2.7E+07	*	6.5E-124	4.85E-123	0.33594	chr7_27143401_2714360(	sig	hyper
chr7	2.7E+07	2.7E+07	*	9.84E-149	1.03E-147	0.295991	chr7_27143801_2714400(	sig	hyper
chr7	2.7E+07	2.7E+07	*	4.109E-46	1.027E-45	0.12633	chr7_27144001_2714420(	sig	hyper
chr7	2.7E+07	2.7E+07	*	9.673E-60	2.999E-59	0.251586	chr7_27145001_2714520(	sig	hyper
chr7	2.7E+07	2.7E+07	*	1.436E-91	6.996E-91	0.239944	chr7_27145201_2714540(	sig	hyper
chr7	2.7E+07	2.7E+07	*	2.264E-32	4.438E-32	0.200629	chr7_27145401_2714560(	sig	hyper
chr7	2.7E+07	2.7E+07	*	9.14E-116	6.18E-115	0.279227	chr7_27145801_2714600(	sig	hyper
chr7	2.7E+07	2.7E+07	*	1.134E-69	4.059E-69	0.204994	chr7_27147201_2714740(	sig	hyper
chr7	2.7E+07	2.7E+07	*	2.31E-123	1.71E-122	0.184781	chr7_27147401_2714760(	sig	hyper
chr7	2.7E+07	2.7E+07	*	4.264E-65	1.433E-64	0.111783	chr7_27148001_2714820(	sig	hyper
chr7	2.7E+07	2.7E+07	*	2.619E-74	1.001E-73	0.19463	chr7_27148201_2714840(	sig	hyper
chr7	2.7E+07	2.7E+07	*	1.748E-22	2.767E-22	0.10325	chr7_27154801_2715500(	sig	hyper
chr7	2.7E+07	2.7E+07	*	2.315E-68	8.13E-68	-0.26635	chr7_27160001_2716020(	sig	hypo
chr7	2.7E+07	2.7E+07	*	1.39E-108	8.47E-108	0.198315	chr7_27163801_2716400(	sig	hyper
chr7	2.7E+07	2.7E+07	*	3.597E-38	7.88E-38	0.101765	chr7_27167201_2716740(	sig	hyper
chr7	2.7E+07	2.7E+07	*	8.998E-23	1.435E-22	0.107024	chr7_27168601_2716880(	sig	hyper
chr7	2.7E+07	2.7E+07	*	8.499E-54	2.408E-53	0.145229	chr7_27176001_2717620(	sig	hyper
chr7	2.7E+07	2.7E+07	*	1.142E-15	1.509E-15	0.109298	chr7_27179201_2717940(	sig	hyper
chr7	2.7E+07	2.7E+07	*	1.252E-24	2.09E-24	0.109931	chr7_27192201_2719240(	sig	hyper
chr7	2.7E+07	2.7E+07	*	1.936E-17	2.686E-17	-0.14559	chr7_27202401_2720260(	sig	hypo
chr7	2.7E+07	2.7E+07	*	2.531E-19	3.701E-19	-0.11043	chr7_27205601_2720580(	sig	hypo
chr7	2.7E+07	2.7E+07	*	1.674E-18	2.394E-18	-0.12401	chr7_27205801_2720600(	sig	hypo
chr7	2.7E+07	2.7E+07	*	3.84E-155	4.36E-154	-0.22222	chr7_27206001_2720620(	sig	hypo
chr7	2.7E+07	2.7E+07	*	7.721E-46	1.921E-45	-0.19665	chr7_27210001_2721020(	sig	hypo
chr7	2.7E+07	2.7E+07	*	8.177E-34	1.65E-33	-0.11542	chr7_27235201_2723540(	sig	hypo
chr7	2.7E+07	2.7E+07	*	3.89E-130	3.15E-129	0.287768	chr7_27239801_2724000(	sig	hyper
chr7	2.7E+07	2.7E+07	*	4.871E-46	1.216E-45	0.185977	chr7_27241601_2724180(	sig	hyper
chr7	2.7E+07	2.7E+07	*	1.324E-68	4.668E-68	0.113167	chr7_27245801_2724600(	sig	hyper
chr7	2.7E+07	2.7E+07	*	1.084E-10	1.209E-10	0.14801	chr7_27246401_2724660(	sig	hyper
chr7	2.7E+07	2.7E+07	*	9.75E-253	4.02E-251	0.291848	chr7_27249401_2724960(	sig	hyper
chr7	2.7E+07	2.7E+07	*	6.722E-54	1.907E-53	0.166138	chr7_27250201_2725040(	sig	hyper
chr7	2.7E+07	2.7E+07	*	4.696E-11	5.309E-11	0.126788	chr7_27252401_2725260(	sig	hyper
chr7	2.8E+07	2.8E+07	*	7.12E-21	1.084E-20	0.130856	chr7_28179201_2817940(	sig	hyper
chr7	2.8E+07	2.8E+07	*	2.03E-165	2.64E-164	0.353724	chr7_28408401_2840860(	sig	hyper
chr7	2.8E+07	2.8E+07	*	2.77E-283	1.65E-281	0.264151	chr7_28410201_2841040(	sig	hyper
chr7	2.8E+07	2.8E+07	*	1.458E-49	3.863E-49	0.114423	chr7_28411001_2841120(	sig	hyper
chr7	2.9E+07	2.9E+07	*	7.68E-60	2.386E-59	0.115755	chr7_28957801_2895800(	sig	hyper
chr7	3E+07	3E+07	*	2.353E-77	9.411E-77	0.105673	chr7_29990001_2999020(	sig	hyper
chr7	3E+07	3E+07	*	1.909E-65	6.448E-65	0.242114	chr7_30136401_3013660(	sig	hyper
chr7	3.1E+07	3.1E+07	*	2.74E-110	1.72E-109	0.232492	chr7_30682201_3068240(	sig	hyper
chr7	3.1E+07	3.1E+07	*	9.168E-28	1.639E-27	0.124173	chr7_30751001_3075120(	sig	hyper
chr7	3.1E+07	3.1E+07	*	3.303E-66	1.128E-65	0.208482	chr7_30911801_3091200(	sig	hyper
chr7	3.1E+07	3.1E+07	*	2.14E-137	1.9E-136	0.204627	chr7_30912001_3091220(	sig	hyper
chr7	3.1E+07	3.1E+07	*	7.631E-98	4.045E-97	0.230128	chr7_30912201_3091240(	sig	hyper
chr7	3.1E+07	3.1E+07	*	9.44E-112	6.04E-111	0.13921	chr7_31193201_3119340(	sig	hyper
chr7	3.2E+07	3.2E+07	*	6.648E-19	9.618E-19	-0.13509	chr7_31516801_3151700(	sig	hypo
chr7	3.2E+07	3.2E+07	*	1.274E-64	4.255E-64	0.240925	chr7_32070201_3207040(	sig	hyper
chr7	3.2E+07	3.2E+07	*	3.59E-121	2.58E-120	0.315248	chr7_32070401_3207060(	sig	hyper
chr7	3.2E+07	3.2E+07	*	1.111E-97	5.871E-97	0.162833	chr7_32070801_3207100(	sig	hyper
chr7	3.2E+07	3.2E+07	*	3.42E-149	3.61E-148	0.321222	chr7_32318601_3231880(	sig	hyper

chr7	3.2E+07	3.2E+07	*	7.3E-127	5.68E-126	0.26393	chr7_32318801_3231900(	sig	hyper
chr7	3.2E+07	3.2E+07	*	2.39E-120	1.71E-119	0.337788	chr7_32427801_3242800(	sig	hyper
chr7	3.4E+07	3.4E+07	*	1.892E-72	7.033E-72	0.20359	chr7_34321201_3432140(	sig	hyper
chr7	3.4E+07	3.4E+07	*	4.379E-25	7.375E-25	0.128626	chr7_34321401_3432160(	sig	hyper
chr7	3.5E+07	3.5E+07	*	6.79E-99	3.64E-98	0.213122	chr7_35185601_3518580(	sig	hyper
chr7	3.5E+07	3.5E+07	*	6.57E-228	1.95E-226	0.233961	chr7_35186001_3518620(	sig	hyper
chr7	3.5E+07	3.5E+07	*	6.33E-100	3.43E-99	0.174121	chr7_35186601_3518680(	sig	hyper
chr7	3.5E+07	3.5E+07	*	1.49E-100	8.14E-100	0.177605	chr7_35253401_3525360(	sig	hyper
chr7	3.5E+07	3.5E+07	*	2.914E-48	7.565E-48	0.189948	chr7_35253601_3525380(	sig	hyper
chr7	3.5E+07	3.5E+07	*	1.05E-205	2.37E-204	0.345264	chr7_35254801_3525500(	sig	hyper
chr7	3.5E+07	3.5E+07	*	7.688E-84	3.361E-83	0.312706	chr7_35255201_3525540(	sig	hyper
chr7	3.5E+07	3.5E+07	*	2.47E-170	3.46E-169	0.270724	chr7_35257201_3525740(	sig	hyper
chr7	3.5E+07	3.5E+07	*	1.26E-255	5.43E-254	0.271244	chr7_35257401_3525760(	sig	hyper
chr7	3.5E+07	3.5E+07	*	7.636E-98	4.046E-97	0.194919	chr7_35259001_3525920(	sig	hyper
chr7	3.5E+07	3.5E+07	*	1.169E-22	1.859E-22	0.153813	chr7_35262201_3526240(	sig	hyper
chr7	3.5E+07	3.5E+07	*	1.245E-31	2.404E-31	0.241019	chr7_35454801_3545500(	sig	hyper
chr7	3.5E+07	3.5E+07	*	1.038E-29	1.929E-29	0.155434	chr7_35455001_3545520(	sig	hyper
chr7	3.5E+07	3.5E+07	*	5.843E-20	8.689E-20	0.169078	chr7_35455201_3545540(	sig	hyper
chr7	3.6E+07	3.6E+07	*	1.732E-47	4.44E-47	0.207119	chr7_36154201_3615440(	sig	hyper
chr7	3.6E+07	3.6E+07	*	5.398E-40	1.22E-39	0.166776	chr7_36154601_3615480(	sig	hyper
chr7	3.6E+07	3.6E+07	*	4.633E-39	1.031E-38	0.194968	chr7_36192001_3619220(	sig	hyper
chr7	3.7E+07	3.7E+07	*	8.41E-127	6.52E-126	0.30339	chr7_37448601_3744880(	sig	hyper
chr7	3.7E+07	3.7E+07	*	2.24E-280	1.29E-278	0.264934	chr7_37448801_3744900(	sig	hyper
chr7	3.7E+07	3.7E+07	*	1.34E-243	4.98E-242	0.24568	chr7_37449001_3744920(	sig	hyper
chr7	3.7E+07	3.7E+07	*	2.47E-210	5.9E-209	0.298682	chr7_37449201_3744940(	sig	hyper
chr7	3.8E+07	3.8E+07	*	2.16E-113	1.41E-112	0.210003	chr7_37916201_3791640(	sig	hyper
chr7	3.8E+07	3.8E+07	*	9.506E-51	2.561E-50	0.112439	chr7_37920601_3792080(	sig	hyper
chr7	3.8E+07	3.8E+07	*	1.114E-31	2.154E-31	0.110753	chr7_37921001_3792120(	sig	hyper
chr7	3.8E+07	3.8E+07	*	2.09E-120	1.49E-119	0.242239	chr7_38311201_3831140(	sig	hyper
chr7	3.9E+07	3.9E+07	*	7.14E-106	4.19E-105	0.344681	chr7_38976001_3897620(	sig	hyper
chr7	3.9E+07	3.9E+07	*	6.724E-82	2.864E-81	0.171609	chr7_39414401_3941460(	sig	hyper
chr7	4E+07	4E+07	*	2.086E-39	4.664E-39	0.138391	chr7_39609601_3960980(	sig	hyper
chr7	4E+07	4E+07	*	1.745E-45	4.315E-45	0.155091	chr7_39609801_3961000(	sig	hyper
chr7	4E+07	4E+07	*	2.323E-32	4.552E-32	0.10045	chr7_39834401_3983460(	sig	hyper
chr7	4E+07	4E+07	*	3.334E-67	1.153E-66	0.21374	chr7_39855001_3985520(	sig	hyper
chr7	4.2E+07	4.2E+07	*	7.687E-60	2.388E-59	0.170974	chr7_41700001_4170020(	sig	hyper
chr7	4.2E+07	4.2E+07	*	8.213E-59	2.513E-58	-0.19819	chr7_41965201_4196540(	sig	hypo
chr7	4.2E+07	4.2E+07	*	1.452E-85	6.502E-85	0.165526	chr7_42228001_4222820(	sig	hyper
chr7	4.2E+07	4.2E+07	*	1.23E-34	2.525E-34	0.113465	chr7_42237601_4223780(	sig	hyper
chr7	4.2E+07	4.2E+07	*	9.61E-159	1.14E-157	0.315017	chr7_42238401_4223860(	sig	hyper
chr7	4.2E+07	4.2E+07	*	4.4E-196	8.75E-195	0.235602	chr7_42493601_4249380(	sig	hyper
chr7	4.3E+07	4.3E+07	*	1.87E-185	3.21E-184	0.269972	chr7_43112601_4311280(	sig	hyper
chr7	4.3E+07	4.3E+07	*	3.92E-165	5.09E-164	0.247729	chr7_43113801_4311400(	sig	hyper
chr7	4.3E+07	4.3E+07	*	1.967E-15	2.583E-15	0.12344	chr7_43114201_4311440(	sig	hyper
chr7	4.3E+07	4.3E+07	*	1.613E-58	4.911E-58	-0.14105	chr7_43445401_4344560(	sig	hypo
chr7	4.4E+07	4.4E+07	*	4.362E-86	1.969E-85	0.187438	chr7_44104801_4410500(	sig	hyper
chr7	4.4E+07	4.4E+07	*	4.495E-17	6.174E-17	-0.12937	chr7_44217401_4421760(	sig	hypo
chr7	4.4E+07	4.4E+07	*	1.608E-86	7.303E-86	0.200262	chr7_44309601_4430980(	sig	hyper
chr7	4.4E+07	4.4E+07	*	8.66E-106	5.08E-105	0.126238	chr7_44309801_4431000(	sig	hyper
chr7	4.5E+07	4.5E+07	*	1.292E-13	1.603E-13	-0.11214	chr7_44539601_4453980(	sig	hypo
chr7	4.5E+07	4.5E+07	*	1.014E-40	2.32E-40	-0.15937	chr7_44979201_4497940(	sig	hypo
chr7	4.5E+07	4.5E+07	*	5.428E-18	7.653E-18	-0.10459	chr7_45080401_4508060(	sig	hypo
chr7	4.5E+07	4.5E+07	*	8.11E-49	2.125E-48	0.100257	chr7_45089401_4508960(	sig	hyper
chr7	4.5E+07	4.5E+07	*	7.767E-37	1.663E-36	0.11524	chr7_45260001_4526020(	sig	hyper
chr7	4.6E+07	4.6E+07	*	5.304E-43	1.26E-42	0.193309	chr7_45564601_4556480(	sig	hyper
chr7	4.6E+07	4.6E+07	*	1.35E-103	7.67E-103	0.154313	chr7_45575001_4557520(	sig	hyper

chr7	4.6E+07	4.6E+07	*	1.1E-121	7.94E-121	0.245249	chr7_45575801_4557600(	sig	hyper
chr7	4.6E+07	4.6E+07	*	1.602E-84	7.082E-84	0.164714	chr7_45920001_4592020(	sig	hyper
chr7	4.6E+07	4.6E+07	*	8.23E-182	1.34E-180	0.297822	chr7_45921601_4592180(	sig	hyper
chr7	4.6E+07	4.6E+07	*	7.71E-113	5.01E-112	0.216861	chr7_45921801_4592200(	sig	hyper
chr7	4.6E+07	4.6E+07	*	1.77E-170	2.48E-169	0.194813	chr7_45922201_4592240(	sig	hyper
chr7	4.6E+07	4.6E+07	*	6.629E-37	1.421E-36	0.129324	chr7_45922401_4592260(	sig	hyper
chr7	4.7E+07	4.7E+07	*	9.826E-93	4.844E-92	0.303329	chr7_47315201_4731540(	sig	hyper
chr7	4.7E+07	4.7E+07	*	8.026E-40	1.808E-39	0.107917	chr7_47328201_4732840(	sig	hyper
chr7	4.8E+07	4.8E+07	*	2.951E-42	6.931E-42	0.144549	chr7_47537401_4753760(	sig	hyper
chr7	4.9E+07	4.9E+07	*	1.054E-72	3.932E-72	0.182836	chr7_48847801_4884800(	sig	hyper
chr7	4.9E+07	4.9E+07	*	6.97E-33	1.381E-32	0.187389	chr7_48848001_4884820(	sig	hyper
chr7	5E+07	5E+07	*	3.69E-132	3.07E-131	0.138987	chr7_49773401_4977360(	sig	hyper
chr7	5E+07	5E+07	*	6.29E-180	1E-178	0.226227	chr7_49775001_4977520(	sig	hyper
chr7	5E+07	5E+07	*	1.241E-54	3.562E-54	0.128944	chr7_49776001_4977620(	sig	hyper
chr7	5E+07	5E+07	*	3.3E-120	2.35E-119	0.158679	chr7_50093001_5009320(	sig	hyper
chr7	5E+07	5E+07	*	1.53E-112	9.88E-112	-0.21155	chr7_50093401_5009360(	sig	hypo
chr7	5E+07	5E+07	*	1.14E-197	2.32E-196	0.235724	chr7_50303601_5030380(	sig	hyper
chr7	5E+07	5E+07	*	1.08E-152	1.19E-151	0.137501	chr7_50304601_5030480(	sig	hyper
chr7	5E+07	5E+07	*	3.92E-186	6.79E-185	0.161882	chr7_50304801_5030500(	sig	hyper
chr7	5E+07	5E+07	*	9.211E-62	2.949E-61	0.172883	chr7_50305001_5030520(	sig	hyper
chr7	5E+07	5E+07	*	2.35E-114	1.56E-113	-0.33975	chr7_50308801_5030900(	sig	hypo
chr7	5E+07	5E+07	*	9.54E-127	7.41E-126	0.165312	chr7_50450601_5045080(	sig	hyper
chr7	5E+07	5E+07	*	3.076E-71	1.128E-70	0.160768	chr7_50450801_5045100(	sig	hyper
chr7	5.1E+07	5.1E+07	*	4.602E-19	6.687E-19	-0.10571	chr7_50794001_5079420(	sig	hypo
chr7	5.1E+07	5.1E+07	*	3.836E-23	6.181E-23	-0.11022	chr7_50794201_5079440(	sig	hypo
chr7	5.2E+07	5.2E+07	*	1.353E-41	3.144E-41	0.210577	chr7_52273801_5227400(	sig	hyper
chr7	5.3E+07	5.3E+07	*	1.697E-61	5.405E-61	-0.2355	chr7_52668801_5266900(	sig	hypo
chr7	5.3E+07	5.3E+07	*	8.966E-31	1.702E-30	-0.13215	chr7_53035401_5303560(	sig	hypo
chr7	5.5E+07	5.5E+07	*	1.07E-100	5.85E-100	0.22494	chr7_54541801_5454200(	sig	hyper
chr7	5.5E+07	5.5E+07	*	0	0	0.307395	chr7_54542201_5454240(	sig	hyper
chr7	5.5E+07	5.5E+07	*	0	0	0.3353	chr7_54542401_5454260(	sig	hyper
chr7	5.5E+07	5.5E+07	*	5.18E-169	7.09E-168	0.418178	chr7_54542601_5454280(	sig	hyper
chr7	5.5E+07	5.5E+07	*	5.98E-248	2.33E-246	0.338723	chr7_54544601_5454480(	sig	hyper
chr7	5.5E+07	5.5E+07	*	1.767E-12	2.106E-12	0.126204	chr7_54697801_5469800(	sig	hyper
chr7	5.5E+07	5.5E+07	*	1.862E-26	3.242E-26	-0.12951	chr7_54698401_5469860(	sig	hypo
chr7	5.5E+07	5.5E+07	*	4.963E-23	7.974E-23	0.144757	chr7_55005401_5500560(	sig	hyper
chr7	5.5E+07	5.5E+07	*	1.59E-307	1.28E-305	0.269285	chr7_55018401_5501860(	sig	hyper
chr7	5.5E+07	5.5E+07	*	8.803E-24	1.439E-23	-0.21046	chr7_55078001_5507820(	sig	hypo
chr7	5.5E+07	5.5E+07	*	8.594E-15	1.107E-14	-0.1346	chr7_55078601_5507880(	sig	hypo
chr7	5.5E+07	5.5E+07	*	2.787E-53	7.824E-53	0.150558	chr7_55449001_5544920(	sig	hyper
chr7	5.5E+07	5.5E+07	*	1.202E-64	4.017E-64	0.249864	chr7_55449401_5544960(	sig	hyper
chr7	5.6E+07	5.6E+07	*	5.49E-222	1.52E-220	0.49684	chr7_56079401_5607960(	sig	hyper
chr7	5.6E+07	5.6E+07	*	4.92E-203	1.08E-201	0.3057	chr7_56115801_5611600(	sig	hyper
chr7	5.6E+07	5.6E+07	*	1.419E-78	5.777E-78	0.251786	chr7_56116201_5611640(	sig	hyper
chr7	5.6E+07	5.6E+07	*	7.8E-217	2.04E-215	0.309964	chr7_56229801_5623000(	sig	hyper
chr7	5.6E+07	5.6E+07	*	1.091E-50	2.936E-50	-0.17593	chr7_56366401_5636660(	sig	hypo
chr7	5.6E+07	5.6E+07	*	1.869E-15	2.457E-15	-0.11218	chr7_56367201_5636740(	sig	hypo
chr7	5.6E+07	5.6E+07	*	2.526E-21	3.884E-21	0.158196	chr7_56448001_5644820(	sig	hyper
chr7	5.6E+07	5.6E+07	*	2.047E-43	4.896E-43	0.172816	chr7_56448201_5644840(	sig	hyper
chr7	5.6E+07	5.6E+07	*	1.659E-39	3.715E-39	0.112028	chr7_56483801_5648400(	sig	hyper
chr7	5.7E+07	5.7E+07	*	5.632E-24	9.246E-24	-0.11965	chr7_56828201_5682840(	sig	hypo
chr7	5.7E+07	5.7E+07	*	2.566E-63	8.403E-63	0.107835	chr7_56882401_5688260(	sig	hyper
chr7	5.7E+07	5.7E+07	*	5.402E-27	9.511E-27	-0.12837	chr7_57009001_5700920(	sig	hypo
chr7	5.7E+07	5.7E+07	*	4.776E-49	1.257E-48	-0.1225	chr7_57013001_5701320(	sig	hypo
chr7	5.7E+07	5.7E+07	*	2.269E-28	4.102E-28	-0.12408	chr7_57180001_5718020(	sig	hypo
chr7	5.7E+07	5.7E+07	*	2.573E-52	7.101E-52	-0.19579	chr7_57400601_5740080(	sig	hypo

chr7	5.7E+07	5.7E+07	*	2.151E-21	3.315E-21	0.115082	chr7_57404001_5740420(	sig	hyper
chr7	5.7E+07	5.7E+07	*	5.887E-17	8.057E-17	0.121166	chr7_57404401_5740460(	sig	hyper
chr7	5.7E+07	5.7E+07	*	6.306E-79	2.58E-78	0.221243	chr7_57404801_5740500(	sig	hyper
chr7	5.7E+07	5.7E+07	*	2.373E-12	2.815E-12	0.149315	chr7_57405001_5740520(	sig	hyper
chr7	5.8E+07	5.8E+07	*	8.133E-27	1.427E-26	-0.14536	chr7_57654401_5765460(	sig	hypo
chr7	5.8E+07	5.8E+07	*	4.778E-40	1.081E-39	-0.16435	chr7_57776401_5777660(	sig	hypo
chr7	5.8E+07	5.8E+07	*	1.946E-75	7.568E-75	0.276302	chr7_57868001_5786820(	sig	hyper
chr7	6.3E+07	6.3E+07	*	4.216E-15	5.484E-15	0.129438	chr7_63054201_6305440(	sig	hyper
chr7	6.3E+07	6.3E+07	*	1.293E-15	1.706E-15	0.127761	chr7_63054401_6305460(	sig	hyper
chr7	6.3E+07	6.3E+07	*	3.03E-44	7.352E-44	0.156398	chr7_63068201_6306840(	sig	hyper
chr7	6.3E+07	6.3E+07	*	1.709E-78	6.942E-78	-0.26919	chr7_63100001_6310020(	sig	hypo
chr7	6.4E+07	6.4E+07	*	6.828E-59	2.092E-58	-0.20105	chr7_63560401_6356060(	sig	hypo
chr7	6.4E+07	6.4E+07	*	2.565E-28	4.632E-28	-0.1438	chr7_63576401_6357660(	sig	hypo
chr7	6.4E+07	6.4E+07	*	9.425E-61	2.969E-60	0.206507	chr7_63790601_6379080(	sig	hyper
chr7	6.4E+07	6.4E+07	*	5.897E-21	8.996E-21	0.112422	chr7_63901201_6390140(	sig	hyper
chr7	6.4E+07	6.4E+07	*	7.228E-59	2.214E-58	0.239035	chr7_64037201_6403740(	sig	hyper
chr7	6.4E+07	6.4E+07	*	1.83E-148	1.9E-147	0.276514	chr7_64045801_6404600(	sig	hyper
chr7	6.4E+07	6.4E+07	*	1.309E-23	2.13E-23	-0.11028	chr7_64407401_6440760(	sig	hypo
chr7	6.4E+07	6.4E+07	*	4.41E-158	5.19E-157	0.351285	chr7_64495201_6449540(	sig	hyper
chr7	6.5E+07	6.5E+07	*	3.42E-136	2.99E-135	0.287085	chr7_64574601_6457480(	sig	hyper
chr7	6.5E+07	6.5E+07	*	6.29E-145	6.19E-144	0.29924	chr7_64575001_6457520(	sig	hyper
chr7	6.5E+07	6.5E+07	*	3.43E-152	3.77E-151	0.368494	chr7_64877401_6487760(	sig	hyper
chr7	6.5E+07	6.5E+07	*	9.303E-80	3.853E-79	0.222857	chr7_64942601_6494280(	sig	hyper
chr7	6.5E+07	6.5E+07	*	1.135E-77	4.559E-77	0.168541	chr7_65240201_6524040(	sig	hyper
chr7	6.5E+07	6.5E+07	*	8.327E-58	2.513E-57	0.120312	chr7_65252401_6525260(	sig	hyper
chr7	6.5E+07	6.5E+07	*	2.649E-87	1.216E-86	0.14655	chr7_65269201_6526940(	sig	hyper
chr7	6.5E+07	6.5E+07	*	1.668E-74	6.394E-74	0.191549	chr7_65269401_6526960(	sig	hyper
chr7	6.6E+07	6.6E+07	*	9.684E-88	4.476E-87	0.195116	chr7_65731601_6573180(	sig	hyper
chr7	6.6E+07	6.6E+07	*	1.681E-24	2.794E-24	-0.15835	chr7_65771201_6577140(	sig	hypo
chr7	6.7E+07	6.7E+07	*	1.594E-42	3.759E-42	0.132616	chr7_67364801_6736500(	sig	hyper
chr7	7E+07	7E+07	*	1.45E-173	2.13E-172	0.329267	chr7_69599801_6960000(	sig	hyper
chr7	7.1E+07	7.1E+07	*	5.77E-70	2.076E-69	-0.14905	chr7_70596401_7059660(	sig	hypo
chr7	7.1E+07	7.1E+07	*	6.82E-146	6.81E-145	-0.31057	chr7_70596601_7059680(	sig	hypo
chr7	7.1E+07	7.1E+07	*	6.673E-45	1.636E-44	0.163245	chr7_70631001_7063120(	sig	hyper
chr7	7.1E+07	7.1E+07	*	1.355E-26	2.367E-26	0.16331	chr7_70631201_7063140(	sig	hyper
chr7	7.1E+07	7.1E+07	*	1.11E-122	8.18E-122	0.336199	chr7_71133201_7113340(	sig	hyper
chr7	7.3E+07	7.3E+07	*	2.58E-125	1.96E-124	0.359793	chr7_72969601_7296980(	sig	hyper
chr7	7.3E+07	7.3E+07	*	4.164E-48	1.078E-47	-0.1814	chr7_72970601_7297080(	sig	hypo
chr7	7.3E+07	7.3E+07	*	1.755E-37	3.803E-37	-0.15686	chr7_73363601_7336380(	sig	hypo
chr7	7.3E+07	7.3E+07	*	1.554E-72	5.783E-72	0.118656	chr7_73377601_7337780(	sig	hyper
chr7	7.3E+07	7.3E+07	*	4.468E-38	9.776E-38	0.169194	chr7_73399601_7339980(	sig	hyper
chr7	7.3E+07	7.3E+07	*	1.23E-154	1.39E-153	0.234997	chr7_73424201_7342440(	sig	hyper
chr7	7.3E+07	7.3E+07	*	9.84E-140	9.04E-139	0.271271	chr7_73424401_7342460(	sig	hyper
chr7	7.4E+07	7.4E+07	*	1.861E-65	6.287E-65	0.207409	chr7_73607201_7360740(	sig	hyper
chr7	7.4E+07	7.4E+07	*	1.055E-23	1.722E-23	0.161852	chr7_73704201_7370440(	sig	hyper
chr7	7.4E+07	7.4E+07	*	1.541E-38	3.398E-38	-0.13218	chr7_73742801_7374300(	sig	hypo
chr7	7.4E+07	7.4E+07	*	2.977E-43	7.104E-43	-0.12752	chr7_73769001_7376920(	sig	hypo
chr7	7.4E+07	7.4E+07	*	7.003E-46	1.744E-45	-0.1495	chr7_73831201_7383140(	sig	hypo
chr7	7.4E+07	7.4E+07	*	2.057E-89	9.73E-89	-0.19854	chr7_73831401_7383160(	sig	hypo
chr7	7.4E+07	7.4E+07	*	2.1E-116	1.42E-115	-0.22651	chr7_73831601_7383180(	sig	hypo
chr7	7.4E+07	7.4E+07	*	8.937E-68	3.116E-67	-0.26833	chr7_73833201_7383340(	sig	hypo
chr7	7.4E+07	7.4E+07	*	5.937E-31	1.132E-30	0.125435	chr7_73975201_7397540(	sig	hyper
chr7	7.4E+07	7.4E+07	*	1.769E-18	2.529E-18	-0.15012	chr7_73993601_7399380(	sig	hypo
chr7	7.4E+07	7.4E+07	*	0	0	-0.42713	chr7_74002801_7400300(	sig	hypo
chr7	7.4E+07	7.4E+07	*	5.389E-12	6.308E-12	0.119158	chr7_74028001_7402820(	sig	hyper
chr7	7.4E+07	7.4E+07	*	1.227E-23	1.999E-23	0.162818	chr7_74043401_7404360(	sig	hyper

chr7	7.4E+07	7.4E+07	*	4.067E-15	5.294E-15	-0.12455	chr7_74059801_7406000(	sig	hypo
chr7	7.4E+07	7.4E+07	*	3.99E-29	7.326E-29	0.156369	chr7_74094401_7409460(	sig	hyper
chr7	7.4E+07	7.4E+07	*	4.633E-38	1.013E-37	0.211621	chr7_74178801_7417900(	sig	hyper
chr7	7.4E+07	7.4E+07	*	3.78E-109	2.32E-108	-0.29137	chr7_74285001_7428520(	sig	hypo
chr7	7.4E+07	7.4E+07	*	1.046E-96	5.462E-96	0.389554	chr7_74373001_7437320(	sig	hyper
chr7	7.4E+07	7.4E+07	*	4.734E-24	7.79E-24	0.133079	chr7_74404001_7440420(	sig	hyper
chr7	7.4E+07	7.4E+07	*	7.229E-58	2.183E-57	0.176822	chr7_74482801_7448300(	sig	hyper
chr7	7.6E+07	7.6E+07	*	1.519E-67	5.282E-67	0.166597	chr7_75966601_7596680(	sig	hyper
chr7	7.6E+07	7.6E+07	*	1.175E-20	1.779E-20	0.108805	chr7_76150401_7615060(	sig	hyper
chr7	7.6E+07	7.6E+07	*	3.359E-36	7.1E-36	0.150962	chr7_76185601_7618580(	sig	hyper
chr7	7.6E+07	7.6E+07	*	1.671E-60	5.245E-60	0.1509	chr7_76235001_7623520(	sig	hyper
chr7	7.6E+07	7.6E+07	*	1.29E-189	2.34E-188	0.264008	chr7_76259801_7626000(	sig	hyper
chr7	7.6E+07	7.6E+07	*	9.54E-49	2.495E-48	-0.18101	chr7_76285601_7628580(	sig	hypo
chr7	7.9E+07	7.9E+07	*	9.18E-121	6.58E-120	0.184111	chr7_79453001_7945320(	sig	hyper
chr7	7.9E+07	7.9E+07	*	1.33E-278	7.6E-277	0.339906	chr7_79454201_7945440(	sig	hyper
chr7	7.9E+07	7.9E+07	*	0	0	0.426421	chr7_79454401_7945460(	sig	hyper
chr7	7.9E+07	7.9E+07	*	7.67E-123	5.64E-122	0.262121	chr7_79454601_7945480(	sig	hyper
chr7	8.1E+07	8.1E+07	*	1.195E-56	3.541E-56	-0.21286	chr7_80919801_8092000(	sig	hypo
chr7	8.2E+07	8.2E+07	*	1.698E-47	4.356E-47	0.174322	chr7_82442601_8244280(	sig	hyper
chr7	8.2E+07	8.2E+07	*	3.54E-152	3.88E-151	0.132532	chr7_82442801_8244300(	sig	hyper
chr7	8.4E+07	8.4E+07	*	6.208E-33	1.232E-32	-0.11959	chr7_83749401_8374960(	sig	hypo
chr7	8.5E+07	8.5E+07	*	1.15E-228	3.45E-227	0.285157	chr7_85185801_8518600(	sig	hyper
chr7	8.5E+07	8.5E+07	*	1.02E-129	8.23E-129	0.352298	chr7_85186201_8518640(	sig	hyper
chr7	8.6E+07	8.6E+07	*	4.234E-26	7.311E-26	-0.14401	chr7_86441401_8644160(	sig	hypo
chr7	8.7E+07	8.7E+07	*	1.867E-62	6.032E-62	0.203473	chr7_86643801_8664400(	sig	hyper
chr7	8.7E+07	8.7E+07	*	1.429E-55	4.167E-55	0.114013	chr7_87059001_8705920(	sig	hyper
chr7	8.7E+07	8.7E+07	*	3.159E-18	4.48E-18	0.105411	chr7_87476001_8747620(	sig	hyper
chr7	8.8E+07	8.8E+07	*	1.32E-146	1.33E-145	-0.26958	chr7_87599401_8759960(	sig	hypo
chr7	8.8E+07	8.8E+07	*	1.489E-19	2.191E-19	0.179535	chr7_87935201_8793540(	sig	hyper
chr7	8.8E+07	8.8E+07	*	6.697E-54	1.901E-53	-0.10255	chr7_88307001_8830720(	sig	hypo
chr7	8.9E+07	8.9E+07	*	3.17E-133	2.68E-132	0.365443	chr7_88758801_8875900(	sig	hyper
chr7	8.9E+07	8.9E+07	*	6.31E-118	4.37E-117	0.285991	chr7_88760001_8876020(	sig	hyper
chr7	9E+07	9E+07	*	2.89E-291	1.92E-289	0.29422	chr7_90118801_9011900(	sig	hyper
chr7	9E+07	9E+07	*	1.246E-74	4.783E-74	0.140261	chr7_90119401_9011960(	sig	hyper
chr7	9E+07	9E+07	*	2.96E-124	2.22E-123	0.198783	chr7_90119601_9011980(	sig	hyper
chr7	9E+07	9E+07	*	1.655E-79	6.832E-79	0.178486	chr7_90320801_9032100(	sig	hyper
chr7	9E+07	9E+07	*	1.34E-148	1.4E-147	0.202556	chr7_90321001_9032120(	sig	hyper
chr7	9.1E+07	9.1E+07	*	0	0	0.353904	chr7_91267201_9126740(	sig	hyper
chr7	9.2E+07	9.2E+07	*	4.34E-158	5.11E-157	0.156576	chr7_91880601_9188080(	sig	hyper
chr7	9.2E+07	9.2E+07	*	2.684E-65	9.047E-65	0.139854	chr7_91880801_9188100(	sig	hyper
chr7	9.2E+07	9.2E+07	*	5.3E-65	1.779E-64	0.192563	chr7_92179401_9217960(	sig	hyper
chr7	9.3E+07	9.3E+07	*	6.55E-33	1.298E-32	-0.15015	chr7_92608601_9260880(	sig	hypo
chr7	9.3E+07	9.3E+07	*	2.13E-235	7.07E-234	0.331692	chr7_93043401_9304360(	sig	hyper
chr7	9.3E+07	9.3E+07	*	0	0	0.350828	chr7_93043601_9304380(	sig	hyper
chr7	9.4E+07	9.4E+07	*	0	0	0.357789	chr7_93890201_9389040(	sig	hyper
chr7	9.4E+07	9.4E+07	*	5.267E-45	1.293E-44	-0.18892	chr7_94012001_9401220(	sig	hypo
chr7	9.4E+07	9.4E+07	*	5.848E-32	1.137E-31	0.160609	chr7_94394001_9439420(	sig	hyper
chr7	9.4E+07	9.4E+07	*	1.09E-163	1.4E-162	0.289278	chr7_94394801_9439500(	sig	hyper
chr7	9.5E+07	9.5E+07	*	1.169E-94	5.937E-94	0.168004	chr7_94655401_9465560(	sig	hyper
chr7	9.5E+07	9.5E+07	*	1.006E-28	1.833E-28	-0.10756	chr7_94664801_9466500(	sig	hypo
chr7	9.6E+07	9.6E+07	*	3.773E-33	7.519E-33	0.227792	chr7_95773401_9577360(	sig	hyper
chr7	9.7E+07	9.7E+07	*	1.027E-84	4.554E-84	0.357486	chr7_96992801_9699300(	sig	hyper
chr7	9.7E+07	9.7E+07	*	1.01E-127	7.94E-127	0.314837	chr7_96993201_9699340(	sig	hyper
chr7	9.7E+07	9.7E+07	*	2.86E-126	2.21E-125	0.339812	chr7_96997801_9699800(	sig	hyper
chr7	9.7E+07	9.7E+07	*	4.882E-88	2.266E-87	0.231626	chr7_96998201_9699840(	sig	hyper
chr7	9.7E+07	9.7E+07	*	2E-226	5.84E-225	0.351938	chr7_97002401_9700260(	sig	hyper

chr7	9.7E+07	9.7E+07	*	3.036E-42	7.127E-42	0.223864	chr7_97003601_9700380(	sig	hyper
chr7	9.7E+07	9.7E+07	*	1.866E-32	3.664E-32	0.135371	chr7_97005201_9700540(	sig	hyper
chr7	9.7E+07	9.7E+07	*	1.407E-29	2.609E-29	0.100601	chr7_97005401_9700560(	sig	hyper
chr7	9.7E+07	9.7E+07	*	4.626E-70	1.667E-69	0.169704	chr7_97006801_9700700(	sig	hyper
chr7	9.7E+07	9.7E+07	*	6.14E-272	3.25E-270	0.345228	chr7_97007201_9700740(	sig	hyper
chr7	9.7E+07	9.7E+07	*	7.54E-163	9.51E-162	0.337828	chr7_97007401_9700760(	sig	hyper
chr7	9.7E+07	9.7E+07	*	1.19E-180	1.91E-179	0.296458	chr7_97013401_9701360(	sig	hyper
chr7	9.7E+07	9.7E+07	*	8.136E-67	2.798E-66	0.199016	chr7_97017201_9701740(	sig	hyper
chr7	9.7E+07	9.7E+07	*	1.908E-82	8.193E-82	0.360938	chr7_97017601_9701780(	sig	hyper
chr7	9.7E+07	9.7E+07	*	3.1E-184	5.2E-183	0.238364	chr7_97018001_9701820(	sig	hyper
chr7	9.7E+07	9.7E+07	*	2.45E-249	9.76E-248	0.437034	chr7_97018401_9701860(	sig	hyper
chr7	9.7E+07	9.7E+07	*	3.94E-126	3.03E-125	0.311292	chr7_97020801_9702100(	sig	hyper
chr7	9.7E+07	9.7E+07	*	2.62E-170	3.65E-169	0.388976	chr7_97021801_9702200(	sig	hyper
chr7	9.7E+07	9.7E+07	*	0	0	0.348153	chr7_97022201_9702240(	sig	hyper
chr7	9.7E+07	9.7E+07	*	3.35E-120	2.38E-119	0.275988	chr7_97022601_9702280(	sig	hyper
chr7	9.7E+07	9.7E+07	*	0	0	0.29218	chr7_97022801_9702300(	sig	hyper
chr7	9.7E+07	9.7E+07	*	2.6E-222	7.22E-221	0.334306	chr7_97024201_9702440(	sig	hyper
chr7	9.7E+07	9.7E+07	*	8.65E-200	1.83E-198	0.275311	chr7_97024401_9702460(	sig	hyper
chr7	9.7E+07	9.7E+07	*	4.38E-220	1.2E-218	0.220343	chr7_97024601_9702480(	sig	hyper
chr7	9.7E+07	9.7E+07	*	2.28E-155	2.6E-154	0.267894	chr7_97024801_9702500(	sig	hyper
chr7	9.7E+07	9.7E+07	*	2.757E-92	1.351E-91	0.249541	chr7_97026201_9702640(	sig	hyper
chr7	9.7E+07	9.7E+07	*	1.796E-76	7.093E-76	0.167569	chr7_97026401_9702660(	sig	hyper
chr7	9.7E+07	9.7E+07	*	9.054E-91	4.366E-90	0.170099	chr7_97027401_9702760(	sig	hyper
chr7	9.8E+07	9.8E+07	*	3.01E-265	1.48E-263	0.262283	chr7_97731801_9773200(	sig	hyper
chr7	9.8E+07	9.8E+07	*	4.7E-165	6.1E-164	0.209906	chr7_97732001_9773220(	sig	hyper
chr7	9.8E+07	9.8E+07	*	6.365E-56	1.866E-55	0.194588	chr7_97733201_9773340(	sig	hyper
chr7	9.8E+07	9.8E+07	*	2.984E-61	9.457E-61	-0.1825	chr7_97843001_9784320(	sig	hypo
chr7	9.8E+07	9.8E+07	*	5.336E-97	2.801E-96	-0.25011	chr7_97951201_9795140(	sig	hypo
chr7	9.8E+07	9.8E+07	*	2.87E-22	4.518E-22	-0.14156	chr7_98212001_9821220(	sig	hypo
chr7	9.8E+07	9.8E+07	*	5.202E-19	7.546E-19	0.135203	chr7_98282601_9828280(	sig	hyper
chr7	9.9E+07	9.9E+07	*	3.279E-36	6.935E-36	0.173827	chr7_98616401_9861660(	sig	hyper
chr7	9.9E+07	9.9E+07	*	6.395E-72	2.362E-71	0.159536	chr7_98618201_9861840(	sig	hyper
chr7	9.9E+07	9.9E+07	*	2.7E-56	7.966E-56	0.184424	chr7_98618401_9861860(	sig	hyper
chr7	9.9E+07	9.9E+07	*	3.623E-58	1.097E-57	0.236144	chr7_98869201_9886940(	sig	hyper
chr7	9.9E+07	9.9E+07	*	5.319E-83	2.302E-82	0.251824	chr7_98870401_9887060(	sig	hyper
chr7	9.9E+07	9.9E+07	*	3.446E-15	4.496E-15	0.142607	chr7_98878001_9887820(	sig	hyper
chr7	9.9E+07	9.9E+07	*	2.906E-88	1.354E-87	-0.27251	chr7_99392201_9939240(	sig	hypo
chr7	1E+08	1E+08	*	2.896E-93	1.438E-92	0.169683	chr7_99551601_9955180(	sig	hyper
chr7	1E+08	1E+08	*	3.62E-119	2.54E-118	0.158305	chr7_99558201_9955840(	sig	hyper
chr7	1E+08	1E+08	*	7.1E-173	1.03E-171	0.12901	chr7_99558401_9955860(	sig	hyper
chr7	1E+08	1E+08	*	3.228E-46	8.087E-46	0.171678	chr7_99559401_9955960(	sig	hyper
chr7	1E+08	1E+08	*	1.2E-111	7.66E-111	0.293189	chr7_99580001_9958020(	sig	hyper
chr7	1E+08	1E+08	*	6.87E-122	4.99E-121	0.206501	chr7_99580201_9958040(	sig	hyper
chr7	1E+08	1E+08	*	4.317E-31	8.249E-31	0.241584	chr7_99598201_9959840(	sig	hyper
chr7	1E+08	1E+08	*	1.24E-150	1.34E-149	-0.12758	chr7_100082601_100082(	sig	hypo
chr7	1E+08	1E+08	*	1.065E-82	4.59E-82	0.227748	chr7_100099601_100099(	sig	hyper
chr7	1E+08	1E+08	*	6.368E-16	8.469E-16	-0.13437	chr7_100122201_100122(	sig	hypo
chr7	1E+08	1E+08	*	0	0	0.313923	chr7_100177801_100178(	sig	hyper
chr7	1E+08	1E+08	*	6.017E-12	7.03E-12	-0.12444	chr7_100237401_100237(	sig	hypo
chr7	1E+08	1E+08	*	8.509E-39	1.883E-38	0.161101	chr7_100381801_100382(	sig	hyper
chr7	1E+08	1E+08	*	1.947E-55	5.665E-55	0.171329	chr7_100613001_100613(	sig	hyper
chr7	1E+08	1E+08	*	2.683E-75	1.041E-74	0.192636	chr7_100707001_100707(	sig	hyper
chr7	1E+08	1E+08	*	3.89E-169	5.34E-168	0.285923	chr7_100721001_100721(	sig	hyper
chr7	1E+08	1E+08	*	0	0	-0.51454	chr7_100865601_100865(	sig	hypo
chr7	1E+08	1E+08	*	4.26E-114	2.81E-113	-0.37513	chr7_100865801_100866(	sig	hypo
chr7	1E+08	1E+08	*	4.71E-120	3.34E-119	-0.29412	chr7_100866401_100866(	sig	hypo

chr7	1E+08	1E+08	*	4.28E-37	9.208E-37	0.177056	chr7_100868001_100868	sig	hyper
chr7	1E+08	1E+08	*	6.343E-39	1.407E-38	0.228081	chr7_100868201_100868	sig	hyper
chr7	1E+08	1E+08	*	7.42E-142	7.01E-141	0.269275	chr7_100874601_100874	sig	hyper
chr7	1E+08	1E+08	*	4.938E-26	8.515E-26	0.139699	chr7_100965601_100965	sig	hyper
chr7	1E+08	1E+08	*	2.41E-18	3.432E-18	-0.16281	chr7_101094601_101094	sig	hypo
chr7	1E+08	1E+08	*	1.727E-49	4.572E-49	0.138827	chr7_101166001_101166	sig	hyper
chr7	1E+08	1E+08	*	6.37E-132	5.29E-131	0.231013	chr7_101174601_101174	sig	hyper
chr7	1E+08	1E+08	*	1.555E-72	5.786E-72	-0.12036	chr7_101269801_101270	sig	hypo
chr7	1E+08	1E+08	*	4.69E-122	3.41E-121	0.324903	chr7_101299601_101299	sig	hyper
chr7	1E+08	1E+08	*	2.23E-171	3.17E-170	0.372986	chr7_101299801_101300	sig	hyper
chr7	1E+08	1E+08	*	1.69E-124	1.27E-123	0.219709	chr7_101362601_101362	sig	hyper
chr7	1E+08	1E+08	*	5.873E-42	1.373E-41	-0.15344	chr7_101629201_101629	sig	hypo
chr7	1E+08	1E+08	*	1.806E-26	3.146E-26	0.108963	chr7_101825401_101825	sig	hyper
chr7	1E+08	1E+08	*	7.634E-30	1.423E-29	0.213299	chr7_101936601_101936	sig	hyper
chr7	1E+08	1E+08	*	3.774E-59	1.16E-58	0.14902	chr7_102170801_102171	sig	hyper
chr7	1E+08	1E+08	*	9.036E-37	1.932E-36	-0.17663	chr7_102258201_102258	sig	hypo
chr7	1E+08	1E+08	*	4.04E-85	1.798E-84	0.217247	chr7_102300601_102300	sig	hyper
chr7	1E+08	1E+08	*	1.98E-300	1.46E-298	-0.53136	chr7_103152801_103153	sig	hypo
chr7	1E+08	1E+08	*	1.433E-52	3.976E-52	0.14178	chr7_103445401_103445	sig	hyper
chr7	1E+08	1E+08	*	7.39E-215	1.89E-213	0.266499	chr7_103989001_103989	sig	hyper
chr7	1E+08	1E+08	*	1.49E-137	1.32E-136	0.194824	chr7_103989401_103989	sig	hyper
chr7	1E+08	1E+08	*	2.45E-154	2.75E-153	0.226364	chr7_103990401_103990	sig	hyper
chr7	1E+08	1E+08	*	1.767E-62	5.716E-62	0.157449	chr7_103990601_103990	sig	hyper
chr7	1E+08	1E+08	*	7.58E-222	2.1E-220	0.218	chr7_104328801_104329	sig	hyper
chr7	1.1E+08	1.1E+08	*	1.091E-25	1.864E-25	-0.12553	chr7_106113001_106113	sig	hypo
chr7	1.1E+08	1.1E+08	*	4.115E-42	9.639E-42	0.186758	chr7_107386401_107386	sig	hyper
chr7	1.1E+08	1.1E+08	*	1.188E-23	1.937E-23	-0.1334	chr7_107660401_107660	sig	hypo
chr7	1.1E+08	1.1E+08	*	6.974E-47	1.77E-46	-0.24248	chr7_107843201_107843	sig	hypo
chr7	1.1E+08	1.1E+08	*	9.154E-50	2.432E-49	-0.23319	chr7_107843401_107843	sig	hypo
chr7	1.1E+08	1.1E+08	*	6.41E-84	2.806E-83	0.245648	chr7_108455401_108455	sig	hyper
chr7	1.1E+08	1.1E+08	*	1.443E-18	2.068E-18	0.106737	chr7_113085801_113086	sig	hyper
chr7	1.1E+08	1.1E+08	*	1.706E-23	2.77E-23	0.104611	chr7_113086801_113087	sig	hyper
chr7	1.2E+08	1.2E+08	*	7.876E-55	2.269E-54	-0.15148	chr7_117320601_117320	sig	hypo
chr7	1.2E+08	1.2E+08	*	5.544E-95	2.83E-94	0.275909	chr7_117322801_117323	sig	hyper
chr7	1.2E+08	1.2E+08	*	5.99E-138	5.37E-137	0.252999	chr7_117323401_117323	sig	hyper
chr7	1.2E+08	1.2E+08	*	2.83E-180	4.51E-179	0.224192	chr7_118214601_118214	sig	hyper
chr7	1.2E+08	1.2E+08	*	2.824E-51	7.664E-51	-0.10127	chr7_118224601_118224	sig	hypo
chr7	1.2E+08	1.2E+08	*	3.439E-70	1.241E-69	0.22067	chr7_120272401_120272	sig	hyper
chr7	1.2E+08	1.2E+08	*	5.3E-64	1.757E-63	0.118426	chr7_120272601_120272	sig	hyper
chr7	1.2E+08	1.2E+08	*	8.527E-60	2.646E-59	0.168519	chr7_120273601_120273	sig	hyper
chr7	1.2E+08	1.2E+08	*	3.34E-99	1.798E-98	0.314312	chr7_120989601_120989	sig	hyper
chr7	1.2E+08	1.2E+08	*	3.75E-143	3.6E-142	0.306398	chr7_121328801_121329	sig	hyper
chr7	1.2E+08	1.2E+08	*	1.037E-47	2.667E-47	0.101306	chr7_121329601_121329	sig	hyper
chr7	1.2E+08	1.2E+08	*	4.03E-35	8.347E-35	0.108676	chr7_121873001_121873	sig	hyper
chr7	1.2E+08	1.2E+08	*	2.32E-51	6.308E-51	0.106612	chr7_121873201_121873	sig	hyper
chr7	1.2E+08	1.2E+08	*	4.717E-89	2.223E-88	0.162165	chr7_121873401_121873	sig	hyper
chr7	1.2E+08	1.2E+08	*	2.852E-40	6.482E-40	0.219313	chr7_121873601_121873	sig	hyper
chr7	1.2E+08	1.2E+08	*	6.17E-211	1.5E-209	0.342823	chr7_122300201_122300	sig	hyper
chr7	1.2E+08	1.2E+08	*	1.261E-21	1.956E-21	0.139061	chr7_122303601_122303	sig	hyper
chr7	1.2E+08	1.2E+08	*	2.26E-106	1.34E-105	0.157778	chr7_122303801_122304	sig	hyper
chr7	1.2E+08	1.2E+08	*	2.01E-162	2.51E-161	0.153232	chr7_122304001_122304	sig	hyper
chr7	1.2E+08	1.2E+08	*	5.57E-124	4.17E-123	0.27117	chr7_122306801_122307	sig	hyper
chr7	1.2E+08	1.2E+08	*	3.775E-75	1.462E-74	0.282556	chr7_122307001_122307	sig	hyper
chr7	1.2E+08	1.2E+08	*	0	0	0.272944	chr7_122310201_122310	sig	hyper
chr7	1.2E+08	1.2E+08	*	1.54E-132	1.29E-131	0.195711	chr7_122310401_122310	sig	hyper
chr7	1.2E+08	1.2E+08	*	1.82E-110	1.14E-109	0.255059	chr7_122310801_122311	sig	hyper

chr7	1.2E+08	1.2E+08	*	1.78E-62	5.757E-62	0.226205	chr7_122316401_122316	sig	hyper
chr7	1.2E+08	1.2E+08	*	7.5E-258	3.32E-256	0.276783	chr7_122316601_122316	sig	hyper
chr7	1.2E+08	1.2E+08	*	1.73E-101	9.59E-101	0.168604	chr7_122316801_122317	sig	hyper
chr7	1.2E+08	1.2E+08	*	1.421E-25	2.423E-25	0.114366	chr7_124033601_124033	sig	hyper
chr7	1.2E+08	1.2E+08	*	3.035E-20	4.547E-20	0.173881	chr7_124033801_124034	sig	hyper
chr7	1.2E+08	1.2E+08	*	3.533E-84	1.552E-83	-0.12698	chr7_124480801_124481	sig	hypo
chr7	1.2E+08	1.2E+08	*	1.094E-46	2.765E-46	0.145042	chr7_124764201_124764	sig	hyper
chr7	1.3E+08	1.3E+08	*	2.169E-27	3.853E-27	0.120537	chr7_127582401_127582	sig	hyper
chr7	1.3E+08	1.3E+08	*	6.038E-50	1.609E-49	0.190126	chr7_128031001_128031	sig	hyper
chr7	1.3E+08	1.3E+08	*	1.05E-253	4.37E-252	0.307669	chr7_128032001_128032	sig	hyper
chr7	1.3E+08	1.3E+08	*	1.63E-266	8.09E-265	0.270658	chr7_128032201_128032	sig	hyper
chr7	1.3E+08	1.3E+08	*	4.114E-39	9.158E-39	0.114807	chr7_128103801_128104	sig	hyper
chr7	1.3E+08	1.3E+08	*	7.5E-264	3.58E-262	0.23645	chr7_128104401_128104	sig	hyper
chr7	1.3E+08	1.3E+08	*	6.03E-46	1.503E-45	0.201939	chr7_128134801_128135	sig	hyper
chr7	1.3E+08	1.3E+08	*	1.102E-46	2.786E-46	0.160564	chr7_128168401_128168	sig	hyper
chr7	1.3E+08	1.3E+08	*	1.493E-80	6.242E-80	0.290948	chr7_128201401_128201	sig	hyper
chr7	1.3E+08	1.3E+08	*	5.66E-139	5.14E-138	0.227488	chr7_128201601_128201	sig	hyper
chr7	1.3E+08	1.3E+08	*	6.776E-68	2.367E-67	0.263101	chr7_128241201_128241	sig	hyper
chr7	1.3E+08	1.3E+08	*	5.24E-242	1.91E-240	0.310219	chr7_128270801_128271	sig	hyper
chr7	1.3E+08	1.3E+08	*	9.147E-26	1.567E-25	0.126064	chr7_128271801_128272	sig	hyper
chr7	1.3E+08	1.3E+08	*	2.33E-141	2.19E-140	0.245058	chr7_128454601_128454	sig	hyper
chr7	1.3E+08	1.3E+08	*	1.3E-127	1.02E-126	-0.24725	chr7_128511801_128512	sig	hypo
chr7	1.3E+08	1.3E+08	*	5.904E-44	1.426E-43	0.123718	chr7_128697401_128697	sig	hyper
chr7	1.3E+08	1.3E+08	*	2.92E-104	1.68E-103	0.31988	chr7_128697601_128697	sig	hyper
chr7	1.3E+08	1.3E+08	*	1.36E-132	1.14E-131	0.333549	chr7_128783401_128783	sig	hyper
chr7	1.3E+08	1.3E+08	*	2.12E-156	2.45E-155	0.131111	chr7_128830801_128831	sig	hyper
chr7	1.3E+08	1.3E+08	*	2.079E-95	1.068E-94	-0.35244	chr7_128841201_128841	sig	hypo
chr7	1.3E+08	1.3E+08	*	4.368E-35	9.043E-35	-0.13936	chr7_128869001_128869	sig	hypo
chr7	1.3E+08	1.3E+08	*	4.44E-140	4.09E-139	0.373521	chr7_128915601_128915	sig	hyper
chr7	1.3E+08	1.3E+08	*	2.423E-62	7.817E-62	0.216028	chr7_128916401_128916	sig	hyper
chr7	1.3E+08	1.3E+08	*	3.263E-19	4.756E-19	0.128552	chr7_128937401_128937	sig	hyper
chr7	1.3E+08	1.3E+08	*	1.075E-14	1.379E-14	0.143665	chr7_129144001_129144	sig	hyper
chr7	1.3E+08	1.3E+08	*	4.35E-93	2.156E-92	0.224764	chr7_129188801_129189	sig	hyper
chr7	1.3E+08	1.3E+08	*	8.675E-68	3.025E-67	0.14345	chr7_129783001_129783	sig	hyper
chr7	1.3E+08	1.3E+08	*	3.577E-96	1.858E-95	0.141729	chr7_129783201_129783	sig	hyper
chr7	1.3E+08	1.3E+08	*	3.781E-69	1.345E-68	0.184106	chr7_129783401_129783	sig	hyper
chr7	1.3E+08	1.3E+08	*	4.455E-25	7.501E-25	0.106329	chr7_130272601_130272	sig	hyper
chr7	1.3E+08	1.3E+08	*	2.566E-39	5.73E-39	0.23879	chr7_130272801_130273	sig	hyper
chr7	1.3E+08	1.3E+08	*	1.2E-50	3.228E-50	0.21866	chr7_130380001_130380	sig	hyper
chr7	1.3E+08	1.3E+08	*	3.95E-122	2.88E-121	-0.25513	chr7_130486001_130486	sig	hypo
chr7	1.3E+08	1.3E+08	*	3.366E-94	1.699E-93	-0.21294	chr7_130486601_130486	sig	hypo
chr7	1.3E+08	1.3E+08	*	2.708E-84	1.194E-83	-0.18827	chr7_130486801_130487	sig	hypo
chr7	1.3E+08	1.3E+08	*	1.877E-34	3.841E-34	0.120277	chr7_130490601_130490	sig	hyper
chr7	1.3E+08	1.3E+08	*	4.78E-55	1.381E-54	0.209936	chr7_130490801_130491	sig	hyper
chr7	1.3E+08	1.3E+08	*	1.624E-58	4.941E-58	0.163723	chr7_130491001_130491	sig	hyper
chr7	1.3E+08	1.3E+08	*	1.835E-75	7.14E-75	0.222178	chr7_130491401_130491	sig	hyper
chr7	1.3E+08	1.3E+08	*	3.305E-26	5.72E-26	0.151373	chr7_130492201_130492	sig	hyper
chr7	1.3E+08	1.3E+08	*	4.053E-88	1.884E-87	0.141396	chr7_130492401_130492	sig	hyper
chr7	1.3E+08	1.3E+08	*	1.62E-75	6.311E-75	0.137996	chr7_130492801_130493	sig	hyper
chr7	1.3E+08	1.3E+08	*	6.213E-32	1.207E-31	0.166184	chr7_130493001_130493	sig	hyper
chr7	1.3E+08	1.3E+08	*	1.335E-55	3.897E-55	0.224352	chr7_130493201_130493	sig	hyper
chr7	1.3E+08	1.3E+08	*	1.547E-86	7.028E-86	0.153869	chr7_132575601_132575	sig	hyper
chr7	1.3E+08	1.3E+08	*	1.436E-58	4.373E-58	0.131814	chr7_132577601_132577	sig	hyper
chr7	1.3E+08	1.3E+08	*	1.777E-54	5.089E-54	0.105382	chr7_132614801_132615	sig	hyper
chr7	1.3E+08	1.3E+08	*	6.38E-45	1.564E-44	0.136171	chr7_134458401_134458	sig	hyper
chr7	1.3E+08	1.3E+08	*	1.26E-119	8.86E-119	0.150135	chr7_134459001_134459	sig	hyper

chr7	1.3E+08	1.3E+08	*	0	0	0.188297	chr7_134459201_134459	sig	hyper
chr7	1.3E+08	1.3E+08	*	5.508E-34	1.115E-33	0.137436	chr7_134890401_134890	sig	hyper
chr7	1.4E+08	1.4E+08	*	2.614E-32	5.12E-32	0.147576	chr7_135171801_135172	sig	hyper
chr7	1.4E+08	1.4E+08	*	9.846E-37	2.103E-36	-0.13855	chr7_135247601_135247	sig	hypo
chr7	1.4E+08	1.4E+08	*	1.42E-195	2.81E-194	0.327091	chr7_136868801_136869	sig	hyper
chr7	1.4E+08	1.4E+08	*	1.14E-207	2.63E-206	0.36813	chr7_136869001_136869	sig	hyper
chr7	1.4E+08	1.4E+08	*	1.71E-263	8.08E-262	0.366169	chr7_136871401_136871	sig	hyper
chr7	1.4E+08	1.4E+08	*	5.568E-75	2.15E-74	0.153055	chr7_137846401_137846	sig	hyper
chr7	1.4E+08	1.4E+08	*	1.564E-95	8.048E-95	0.253531	chr7_138664001_138664	sig	hyper
chr7	1.4E+08	1.4E+08	*	1.752E-15	2.304E-15	0.105895	chr7_138798001_138798	sig	hyper
chr7	1.4E+08	1.4E+08	*	7.844E-40	1.767E-39	-0.15195	chr7_139110201_139110	sig	hypo
chr7	1.4E+08	1.4E+08	*	1.301E-46	3.286E-46	0.187298	chr7_139523201_139523	sig	hyper
chr7	1.4E+08	1.4E+08	*	4.016E-70	1.448E-69	0.163669	chr7_139523401_139523	sig	hyper
chr7	1.4E+08	1.4E+08	*	3.18E-239	1.1E-237	0.312473	chr7_140435601_140435	sig	hyper
chr7	1.4E+08	1.4E+08	*	1.552E-61	4.949E-61	-0.20502	chr7_140527401_140527	sig	hypo
chr7	1.4E+08	1.4E+08	*	3.136E-84	1.38E-83	0.207282	chr7_141073001_141073	sig	hyper
chr7	1.4E+08	1.4E+08	*	2.501E-61	7.935E-61	0.14682	chr7_141073601_141073	sig	hyper
chr7	1.4E+08	1.4E+08	*	3.826E-85	1.704E-84	0.282565	chr7_142796401_142796	sig	hyper
chr7	1.4E+08	1.4E+08	*	5.66E-133	4.76E-132	0.320866	chr7_142796601_142796	sig	hyper
chr7	1.4E+08	1.4E+08	*	1.09E-203	2.4E-202	0.264823	chr7_142797201_142797	sig	hyper
chr7	1.4E+08	1.4E+08	*	5.639E-94	2.833E-93	-0.32981	chr7_142864201_142864	sig	hypo
chr7	1.4E+08	1.4E+08	*	2.04E-163	2.6E-162	0.204492	chr7_143388401_143388	sig	hyper
chr7	1.4E+08	1.4E+08	*	3.2E-100	1.74E-99	0.220511	chr7_143885401_143885	sig	hyper
chr7	1.5E+08	1.5E+08	*	2.83E-142	2.69E-141	0.369104	chr7_146115601_146115	sig	hyper
chr7	1.5E+08	1.5E+08	*	2.42E-173	3.54E-172	0.247472	chr7_146116401_146116	sig	hyper
chr7	1.5E+08	1.5E+08	*	1.02E-142	9.7E-142	0.276729	chr7_146117001_146117	sig	hyper
chr7	1.5E+08	1.5E+08	*	4.875E-54	1.387E-53	0.165431	chr7_149072001_149072	sig	hyper
chr7	1.5E+08	1.5E+08	*	3.426E-88	1.595E-87	-0.19148	chr7_149206001_149206	sig	hypo
chr7	1.5E+08	1.5E+08	*	0	0	0.297162	chr7_149415201_149415	sig	hyper
chr7	1.5E+08	1.5E+08	*	1.24E-100	6.79E-100	-0.27333	chr7_149462201_149462	sig	hypo
chr7	1.5E+08	1.5E+08	*	4.806E-64	1.595E-63	0.263811	chr7_149692401_149692	sig	hyper
chr7	1.5E+08	1.5E+08	*	2.975E-12	3.513E-12	0.129524	chr7_149713801_149714	sig	hyper
chr7	1.5E+08	1.5E+08	*	1.062E-59	3.291E-59	0.178703	chr7_149715201_149715	sig	hyper
chr7	1.5E+08	1.5E+08	*	1.697E-11	1.95E-11	-0.11039	chr7_149764401_149764	sig	hypo
chr7	1.5E+08	1.5E+08	*	8.94E-168	1.2E-166	0.289087	chr7_149765601_149765	sig	hyper
chr7	1.5E+08	1.5E+08	*	1.261E-18	1.811E-18	-0.13755	chr7_149774801_149775	sig	hypo
chr7	1.5E+08	1.5E+08	*	2.002E-44	4.875E-44	-0.19273	chr7_149787801_149788	sig	hypo
chr7	1.5E+08	1.5E+08	*	6.179E-52	1.697E-51	-0.22616	chr7_149821801_149822	sig	hypo
chr7	1.5E+08	1.5E+08	*	4.826E-23	7.758E-23	-0.14167	chr7_150036601_150036	sig	hypo
chr7	1.5E+08	1.5E+08	*	6.564E-21	1E-20	-0.12141	chr7_150038601_150038	sig	hypo
chr7	1.5E+08	1.5E+08	*	2.46E-125	1.87E-124	0.347394	chr7_150047201_150047	sig	hyper
chr7	1.5E+08	1.5E+08	*	1.69E-114	1.12E-113	0.339273	chr7_150047401_150047	sig	hyper
chr7	1.5E+08	1.5E+08	*	7.03E-124	5.25E-123	0.216617	chr7_150047801_150048	sig	hyper
chr7	1.5E+08	1.5E+08	*	8.71E-104	4.96E-103	0.232955	chr7_150048001_150048	sig	hyper
chr7	1.5E+08	1.5E+08	*	4.136E-68	1.449E-67	0.223829	chr7_150048801_150049	sig	hyper
chr7	1.5E+08	1.5E+08	*	4.208E-64	1.398E-63	0.244688	chr7_150049401_150049	sig	hyper
chr7	1.5E+08	1.5E+08	*	8.68E-107	5.17E-106	0.22449	chr7_150219401_150219	sig	hyper
chr7	1.5E+08	1.5E+08	*	5.422E-88	2.516E-87	0.34107	chr7_150220201_150220	sig	hyper
chr7	1.5E+08	1.5E+08	*	4.52E-302	3.37E-300	0.263775	chr7_150221001_150221	sig	hyper
chr7	1.5E+08	1.5E+08	*	1.84E-154	2.07E-153	-0.13348	chr7_150322801_150323	sig	hypo
chr7	1.5E+08	1.5E+08	*	1.655E-71	6.08E-71	0.235112	chr7_150329801_150330	sig	hyper
chr7	1.5E+08	1.5E+08	*	2.977E-66	1.017E-65	0.277438	chr7_150340801_150341	sig	hyper
chr7	1.5E+08	1.5E+08	*	0	0	0.491753	chr7_150341401_150341	sig	hyper
chr7	1.5E+08	1.5E+08	*	3.2E-66	1.093E-65	-0.15057	chr7_150372401_150372	sig	hypo
chr7	1.5E+08	1.5E+08	*	4.131E-82	1.766E-81	-0.16709	chr7_150372601_150372	sig	hypo
chr7	1.5E+08	1.5E+08	*	1.873E-36	3.981E-36	-0.18114	chr7_150372801_150373	sig	hypo

chr7	1.5E+08	1.5E+08	*	1.35E-168	1.84E-167	0.419538	chr7_150389001_150389	sig	hyper
chr7	1.5E+08	1.5E+08	*	6.171E-28	1.107E-27	-0.10532	chr7_150450801_150451	sig	hypo
chr7	1.5E+08	1.5E+08	*	1.67E-17	2.321E-17	-0.12418	chr7_150513601_150513	sig	hypo
chr7	1.5E+08	1.5E+08	*	4.38E-141	4.1E-140	0.302991	chr7_150956001_150956	sig	hyper
chr7	1.5E+08	1.5E+08	*	4.013E-44	9.718E-44	0.233733	chr7_150977201_150977	sig	hyper
chr7	1.5E+08	1.5E+08	*	7.811E-62	2.504E-61	0.246247	chr7_150989601_150989	sig	hyper
chr7	1.5E+08	1.5E+08	*	1.356E-64	4.526E-64	0.179288	chr7_151008601_151008	sig	hyper
chr7	1.5E+08	1.5E+08	*	1.01E-141	9.53E-141	0.267705	chr7_151013201_151013	sig	hyper
chr7	1.5E+08	1.5E+08	*	6.89E-125	5.2E-124	0.263619	chr7_151014001_151014	sig	hyper
chr7	1.5E+08	1.5E+08	*	1.045E-95	5.387E-95	0.245628	chr7_151019201_151019	sig	hyper
chr7	1.5E+08	1.5E+08	*	6.45E-47	1.638E-46	0.163021	chr7_151047201_151047	sig	hyper
chr7	1.5E+08	1.5E+08	*	2.687E-27	4.762E-27	0.119811	chr7_151079601_151079	sig	hyper
chr7	1.5E+08	1.5E+08	*	2.265E-28	4.095E-28	-0.15039	chr7_151082001_151082	sig	hypo
chr7	1.5E+08	1.5E+08	*	4.786E-64	1.589E-63	-0.21809	chr7_151082201_151082	sig	hypo
chr7	1.5E+08	1.5E+08	*	2.989E-31	5.726E-31	0.132133	chr7_151088801_151089	sig	hyper
chr7	1.5E+08	1.5E+08	*	1.079E-39	2.423E-39	0.102044	chr7_151114201_151114	sig	hyper
chr7	1.5E+08	1.5E+08	*	8.97E-18	1.258E-17	-0.10274	chr7_151123401_151123	sig	hypo
chr7	1.5E+08	1.5E+08	*	3.81E-245	1.45E-243	0.381575	chr7_151125801_151126	sig	hyper
chr7	1.5E+08	1.5E+08	*	1.592E-36	3.387E-36	0.106708	chr7_151166801_151167	sig	hyper
chr7	1.5E+08	1.5E+08	*	9.545E-72	3.519E-71	0.275458	chr7_151199401_151199	sig	hyper
chr7	1.5E+08	1.5E+08	*	1.474E-30	2.788E-30	0.111023	chr7_151277401_151277	sig	hyper
chr7	1.5E+08	1.5E+08	*	2.442E-43	5.837E-43	-0.15783	chr7_151380201_151380	sig	hypo
chr7	1.5E+08	1.5E+08	*	2.22E-41	5.137E-41	-0.11609	chr7_151385001_151385	sig	hypo
chr7	1.5E+08	1.5E+08	*	1.186E-36	2.529E-36	-0.21018	chr7_151390401_151390	sig	hypo
chr7	1.5E+08	1.5E+08	*	3.052E-29	5.615E-29	-0.13086	chr7_151390601_151390	sig	hypo
chr7	1.5E+08	1.5E+08	*	1.204E-50	3.239E-50	-0.21566	chr7_151392601_151392	sig	hypo
chr7	1.5E+08	1.5E+08	*	6.971E-25	1.169E-24	-0.15468	chr7_151395201_151395	sig	hypo
chr7	1.5E+08	1.5E+08	*	1.023E-20	1.55E-20	-0.10512	chr7_151396001_151396	sig	hypo
chr7	1.5E+08	1.5E+08	*	1.93E-162	2.41E-161	-0.35427	chr7_151403801_151404	sig	hypo
chr7	1.5E+08	1.5E+08	*	4.99E-191	9.26E-190	-0.3031	chr7_151408801_151409	sig	hypo
chr7	1.5E+08	1.5E+08	*	7.129E-77	2.832E-76	0.245302	chr7_151410601_151410	sig	hyper
chr7	1.5E+08	1.5E+08	*	6.306E-56	1.848E-55	0.249055	chr7_151410801_151411	sig	hyper
chr7	1.5E+08	1.5E+08	*	6.207E-78	2.503E-77	-0.10707	chr7_151432001_151432	sig	hypo
chr7	1.5E+08	1.5E+08	*	1.803E-40	4.109E-40	0.189609	chr7_151448001_151448	sig	hyper
chr7	1.5E+08	1.5E+08	*	1.601E-10	1.773E-10	0.107911	chr7_151448201_151448	sig	hyper
chr7	1.5E+08	1.5E+08	*	2.603E-33	5.204E-33	0.12981	chr7_151558401_151558	sig	hyper
chr7	1.5E+08	1.5E+08	*	1.423E-36	3.03E-36	-0.10831	chr7_151633001_151633	sig	hypo
chr7	1.5E+08	1.5E+08	*	7.382E-50	1.964E-49	0.150837	chr7_151735801_151736	sig	hyper
chr7	1.5E+08	1.5E+08	*	1.648E-78	6.698E-78	0.21859	chr7_151736201_151736	sig	hyper
chr7	1.5E+08	1.5E+08	*	0	0	-0.39553	chr7_151745201_151745	sig	hypo
chr7	1.5E+08	1.5E+08	*	2.84E-100	1.55E-99	-0.29608	chr7_151796401_151796	sig	hypo
chr7	1.5E+08	1.5E+08	*	6.91E-108	4.18E-107	-0.38143	chr7_151796601_151796	sig	hypo
chr7	1.5E+08	1.5E+08	*	1.067E-90	5.135E-90	-0.24863	chr7_151844801_151845	sig	hypo
chr7	1.5E+08	1.5E+08	*	3.327E-82	1.424E-81	-0.21569	chr7_151850801_151851	sig	hypo
chr7	1.5E+08	1.5E+08	*	9.297E-40	2.091E-39	-0.13222	chr7_151856401_151856	sig	hypo
chr7	1.5E+08	1.5E+08	*	9.226E-18	1.293E-17	0.101289	chr7_151868401_151868	sig	hyper
chr7	1.5E+08	1.5E+08	*	2.058E-09	2.172E-09	-0.10529	chr7_152736601_152736	sig	hypo
chr7	1.5E+08	1.5E+08	*	7.535E-27	1.323E-26	-0.16581	chr7_152896401_152896	sig	hypo
chr7	1.5E+08	1.5E+08	*	2.161E-49	5.716E-49	0.210167	chr7_152924801_152925	sig	hyper
chr7	1.5E+08	1.5E+08	*	1.85E-121	1.33E-120	0.316716	chr7_153749001_153749	sig	hyper
chr7	1.5E+08	1.5E+08	*	1.45E-196	2.9E-195	0.250069	chr7_153749601_153749	sig	hyper
chr7	1.5E+08	1.5E+08	*	2.93E-131	2.42E-130	0.380253	chr7_153886401_153886	sig	hyper
chr7	1.5E+08	1.5E+08	*	1.21E-147	1.24E-146	0.305948	chr7_153887201_153887	sig	hyper
chr7	1.5E+08	1.5E+08	*	7.575E-83	3.273E-82	0.270866	chr7_154053201_154053	sig	hyper
chr7	1.5E+08	1.5E+08	*	6.205E-12	7.246E-12	0.154885	chr7_154794601_154794	sig	hyper
chr7	1.5E+08	1.5E+08	*	2.563E-48	6.659E-48	-0.16745	chr7_154875801_154876	sig	hypo

chr7	1.5E+08	1.5E+08	*	4.19E-23	6.745E-23	-0.14943	chr7_154913201_154913	sig	hypo
chr7	1.5E+08	1.5E+08	*	1.784E-41	4.135E-41	0.116732	chr7_154913601_154913	sig	hyper
chr7	1.5E+08	1.5E+08	*	1.099E-45	2.725E-45	0.130526	chr7_154914001_154914	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.5E-104	8.66E-104	0.223784	chr7_155071001_155071	sig	hyper
chr7	1.6E+08	1.6E+08	*	8.54E-110	5.31E-109	0.188601	chr7_155071201_155071	sig	hyper
chr7	1.6E+08	1.6E+08	*	4.232E-60	1.32E-59	0.124927	chr7_155071401_155071	sig	hyper
chr7	1.6E+08	1.6E+08	*	3.424E-21	5.249E-21	-0.10724	chr7_155084201_155084	sig	hypo
chr7	1.6E+08	1.6E+08	*	6.366E-52	1.747E-51	-0.12552	chr7_155205601_155205	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.869E-93	9.319E-93	0.180061	chr7_155372201_155372	sig	hyper
chr7	1.6E+08	1.6E+08	*	3.517E-48	9.117E-48	0.158765	chr7_155372601_155372	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.266E-73	4.784E-73	0.200793	chr7_155372801_155373	sig	hyper
chr7	1.6E+08	1.6E+08	*	0	0	0.285373	chr7_155373401_155373	sig	hyper
chr7	1.6E+08	1.6E+08	*	4.98E-203	1.09E-201	0.21723	chr7_155373801_155374	sig	hyper
chr7	1.6E+08	1.6E+08	*	4.03E-219	1.09E-217	0.230775	chr7_155374601_155374	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.93E-184	3.26E-183	0.237473	chr7_155374801_155375	sig	hyper
chr7	1.6E+08	1.6E+08	*	3.34E-121	2.41E-120	0.161555	chr7_155375001_155375	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.03E-149	1.09E-148	0.164256	chr7_155381401_155381	sig	hyper
chr7	1.6E+08	1.6E+08	*	8.095E-42	1.888E-41	-0.17374	chr7_155400401_155400	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.207E-49	3.202E-49	0.125035	chr7_155451201_155451	sig	hyper
chr7	1.6E+08	1.6E+08	*	9.562E-93	4.716E-92	0.189147	chr7_155451401_155451	sig	hyper
chr7	1.6E+08	1.6E+08	*	3.29E-118	2.28E-117	0.230697	chr7_155454401_155454	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.249E-50	3.357E-50	0.162461	chr7_155459201_155459	sig	hyper
chr7	1.6E+08	1.6E+08	*	0	0	0.352718	chr7_155462401_155462	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.11E-155	1.27E-154	0.324902	chr7_155462601_155462	sig	hyper
chr7	1.6E+08	1.6E+08	*	6.41E-110	3.99E-109	0.331241	chr7_155465401_155465	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.68E-175	2.52E-174	0.270235	chr7_155465601_155465	sig	hyper
chr7	1.6E+08	1.6E+08	*	6.71E-148	6.9E-147	0.305344	chr7_155466001_155466	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.62E-152	1.78E-151	0.268168	chr7_155466201_155466	sig	hyper
chr7	1.6E+08	1.6E+08	*	4.18E-175	6.24E-174	0.13394	chr7_155466801_155467	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.59E-261	7.31E-260	0.337356	chr7_155467601_155467	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.135E-64	3.796E-64	0.176524	chr7_155468201_155468	sig	hyper
chr7	1.6E+08	1.6E+08	*	5.71E-137	5.05E-136	0.148624	chr7_155468601_155468	sig	hyper
chr7	1.6E+08	1.6E+08	*	2.31E-151	2.52E-150	0.247433	chr7_155509001_155509	sig	hyper
chr7	1.6E+08	1.6E+08	*	8.38E-139	7.58E-138	0.235113	chr7_155509201_155509	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.61E-106	9.56E-106	0.234178	chr7_155532801_155533	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.67E-173	2.45E-172	0.218557	chr7_155533001_155533	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.083E-85	4.857E-85	0.129591	chr7_155533201_155533	sig	hyper
chr7	1.6E+08	1.6E+08	*	8.476E-23	1.353E-22	0.134256	chr7_155534401_155534	sig	hyper
chr7	1.6E+08	1.6E+08	*	8.227E-19	1.188E-18	0.147044	chr7_155534601_155534	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.213E-12	1.456E-12	-0.11231	chr7_155561001_155561	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.319E-13	1.635E-13	-0.10588	chr7_155570601_155570	sig	hypo
chr7	1.6E+08	1.6E+08	*	2.787E-77	1.113E-76	-0.26076	chr7_155576401_155576	sig	hypo
chr7	1.6E+08	1.6E+08	*	7.04E-111	4.45E-110	-0.20597	chr7_155576601_155576	sig	hypo
chr7	1.6E+08	1.6E+08	*	5.192E-73	1.945E-72	0.203428	chr7_155787001_155787	sig	hyper
chr7	1.6E+08	1.6E+08	*	3.196E-27	5.655E-27	0.113937	chr7_155787601_155787	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.573E-37	3.413E-37	-0.12472	chr7_155791601_155791	sig	hypo
chr7	1.6E+08	1.6E+08	*	2.244E-21	3.457E-21	0.103896	chr7_155796601_155796	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.501E-24	2.5E-24	-0.15765	chr7_155799401_155799	sig	hypo
chr7	1.6E+08	1.6E+08	*	9.575E-95	4.873E-94	0.285807	chr7_155803601_155803	sig	hyper
chr7	1.6E+08	1.6E+08	*	4.76E-150	5.1E-149	0.240113	chr7_155804601_155804	sig	hyper
chr7	1.6E+08	1.6E+08	*	5.129E-16	6.836E-16	0.110343	chr7_155805801_155806	sig	hyper
chr7	1.6E+08	1.6E+08	*	3.71E-151	4.04E-150	0.29005	chr7_155806201_155806	sig	hyper
chr7	1.6E+08	1.6E+08	*	9.77E-166	1.28E-164	-0.30281	chr7_155824601_155824	sig	hypo
chr7	1.6E+08	1.6E+08	*	2.542E-98	1.355E-97	-0.28059	chr7_155922401_155922	sig	hypo
chr7	1.6E+08	1.6E+08	*	7.48E-109	4.59E-108	0.192809	chr7_155997601_155997	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.256E-43	3.015E-43	-0.1505	chr7_156104201_156104	sig	hypo

chr7	1.6E+08	1.6E+08	*	5.248E-81	2.206E-80	-0.14212	chr7_156104601_156104	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.102E-28	2.006E-28	-0.13032	chr7_156122601_156122	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.249E-21	1.938E-21	-0.10414	chr7_156122801_156123	sig	hypo
chr7	1.6E+08	1.6E+08	*	5.242E-19	7.603E-19	-0.1058	chr7_156127401_156127	sig	hypo
chr7	1.6E+08	1.6E+08	*	2.798E-33	5.591E-33	-0.14407	chr7_156177401_156177	sig	hypo
chr7	1.6E+08	1.6E+08	*	5.931E-26	1.021E-25	-0.15309	chr7_156389201_156389	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.053E-71	3.878E-71	0.241757	chr7_156466401_156466	sig	hyper
chr7	1.6E+08	1.6E+08	*	2.622E-25	4.439E-25	0.128196	chr7_156544401_156544	sig	hyper
chr7	1.6E+08	1.6E+08	*	4.289E-06	3.819E-06	0.112475	chr7_156607601_156607	sig	hyper
chr7	1.6E+08	1.6E+08	*	6.131E-47	1.558E-46	0.254904	chr7_156607801_156608	sig	hyper
chr7	1.6E+08	1.6E+08	*	3.85E-35	7.978E-35	0.179286	chr7_156608201_156608	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.328E-20	2.008E-20	-0.10495	chr7_156940601_156940	sig	hypo
chr7	1.6E+08	1.6E+08	*	2.492E-17	3.448E-17	0.120965	chr7_156942601_156942	sig	hyper
chr7	1.6E+08	1.6E+08	*	4.655E-18	6.573E-18	0.102487	chr7_156948801_156949	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.98E-135	1.72E-134	0.177726	chr7_156949001_156949	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.701E-60	5.337E-60	0.269946	chr7_157002601_157002	sig	hyper
chr7	1.6E+08	1.6E+08	*	5.063E-43	1.204E-42	0.219933	chr7_157003001_157003	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.38E-186	2.42E-185	0.199803	chr7_157004201_157004	sig	hyper
chr7	1.6E+08	1.6E+08	*	3.84E-136	3.35E-135	0.211965	chr7_157004401_157004	sig	hyper
chr7	1.6E+08	1.6E+08	*	8.61E-130	6.93E-129	0.223422	chr7_157004601_157004	sig	hyper
chr7	1.6E+08	1.6E+08	*	2.358E-45	5.819E-45	0.185822	chr7_157005401_157005	sig	hyper
chr7	1.6E+08	1.6E+08	*	2.696E-80	1.125E-79	0.304299	chr7_157005801_157006	sig	hyper
chr7	1.6E+08	1.6E+08	*	6.745E-41	1.547E-40	0.25332	chr7_157006001_157006	sig	hyper
chr7	1.6E+08	1.6E+08	*	0	0	0.318708	chr7_157020201_157020	sig	hyper
chr7	1.6E+08	1.6E+08	*	2.45E-146	2.46E-145	0.19362	chr7_157020601_157020	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.49E-113	9.78E-113	0.177422	chr7_157020801_157021	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.92E-105	1.12E-104	0.294863	chr7_157022201_157022	sig	hyper
chr7	1.6E+08	1.6E+08	*	3.976E-18	5.624E-18	-0.12245	chr7_157039601_157039	sig	hypo
chr7	1.6E+08	1.6E+08	*	4.372E-17	6.008E-17	-0.1395	chr7_157044001_157044	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.9E-239	6.63E-238	0.257976	chr7_157078401_157078	sig	hyper
chr7	1.6E+08	1.6E+08	*	3.075E-34	6.262E-34	0.121671	chr7_157124401_157124	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.22E-104	7.05E-104	-0.28817	chr7_157124801_157125	sig	hypo
chr7	1.6E+08	1.6E+08	*	1E-171	1.43E-170	-0.38155	chr7_157297201_157297	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.041E-54	2.993E-54	-0.10568	chr7_157298801_157299	sig	hypo
chr7	1.6E+08	1.6E+08	*	2.635E-18	3.745E-18	-0.10551	chr7_157397601_157397	sig	hypo
chr7	1.6E+08	1.6E+08	*	5.596E-46	1.395E-45	-0.14361	chr7_157407601_157407	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.72E-13	2.125E-13	0.115517	chr7_157432201_157432	sig	hyper
chr7	1.6E+08	1.6E+08	*	4.736E-17	6.499E-17	0.130448	chr7_157432401_157432	sig	hyper
chr7	1.6E+08	1.6E+08	*	4.368E-98	2.322E-97	-0.2143	chr7_157462401_157462	sig	hypo
chr7	1.6E+08	1.6E+08	*	9E-160	1.09E-158	0.238443	chr7_157466001_157466	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.011E-43	2.432E-43	-0.10402	chr7_157468201_157468	sig	hypo
chr7	1.6E+08	1.6E+08	*	4.382E-37	9.424E-37	-0.1203	chr7_157487601_157487	sig	hypo
chr7	1.6E+08	1.6E+08	*	4.643E-37	9.976E-37	-0.18754	chr7_157498401_157498	sig	hypo
chr7	1.6E+08	1.6E+08	*	3.311E-41	7.634E-41	-0.1676	chr7_157498601_157498	sig	hypo
chr7	1.6E+08	1.6E+08	*	8.35E-100	4.53E-99	-0.17129	chr7_157499201_157499	sig	hypo
chr7	1.6E+08	1.6E+08	*	3.267E-60	1.021E-59	-0.12389	chr7_157501601_157501	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.012E-28	1.844E-28	-0.11923	chr7_157513601_157513	sig	hypo
chr7	1.6E+08	1.6E+08	*	2.406E-29	4.439E-29	-0.14653	chr7_157521401_157521	sig	hypo
chr7	1.6E+08	1.6E+08	*	3.303E-56	9.729E-56	-0.21075	chr7_157522001_157522	sig	hypo
chr7	1.6E+08	1.6E+08	*	2.787E-41	6.44E-41	-0.12527	chr7_157522401_157522	sig	hypo
chr7	1.6E+08	1.6E+08	*	4.959E-41	1.14E-40	-0.16934	chr7_157527601_157527	sig	hypo
chr7	1.6E+08	1.6E+08	*	2.64E-148	2.74E-147	-0.40526	chr7_157553801_157554	sig	hypo
chr7	1.6E+08	1.6E+08	*	8.159E-26	1.4E-25	-0.121	chr7_157554601_157554	sig	hypo
chr7	1.6E+08	1.6E+08	*	2.851E-79	1.173E-78	-0.1684	chr7_157555401_157555	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.626E-27	2.895E-27	0.11157	chr7_157568601_157568	sig	hyper
chr7	1.6E+08	1.6E+08	*	4.339E-47	1.105E-46	0.142954	chr7_157568801_157569	sig	hyper

chr7	1.6E+08	1.6E+08	*	2.875E-43	6.863E-43	-0.11775	chr7_157591801_157592(	sig	hypo
chr7	1.6E+08	1.6E+08	*	9.889E-31	1.876E-30	-0.10886	chr7_157592601_157592{	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.255E-19	1.848E-19	-0.10883	chr7_157594601_157594{	sig	hypo
chr7	1.6E+08	1.6E+08	*	6.994E-14	8.748E-14	0.111883	chr7_157613201_157613<	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.367E-23	2.224E-23	-0.11904	chr7_157658601_157658{	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.79E-208	4.17E-207	0.246393	chr7_157663201_157663<	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.734E-30	3.272E-30	-0.12473	chr7_157671001_157671;	sig	hypo
chr7	1.6E+08	1.6E+08	*	3.849E-36	8.12E-36	-0.13663	chr7_157675201_157675<	sig	hypo
chr7	1.6E+08	1.6E+08	*	2.361E-52	6.519E-52	-0.16435	chr7_157675401_157675(	sig	hypo
chr7	1.6E+08	1.6E+08	*	7.27E-222	2.01E-220	-0.29926	chr7_157675601_157675{	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.091E-88	5.126E-88	0.249777	chr7_157683801_157684(	sig	hyper
chr7	1.6E+08	1.6E+08	*	2.77E-232	8.75E-231	0.44816	chr7_157684201_157684<	sig	hyper
chr7	1.6E+08	1.6E+08	*	9.79E-24	1.599E-23	-0.12655	chr7_157703201_157703<	sig	hypo
chr7	1.6E+08	1.6E+08	*	3.382E-34	6.881E-34	-0.1577	chr7_157713801_157714(	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.441E-19	2.12E-19	-0.11309	chr7_157722001_157722;	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.189E-16	1.614E-16	0.137615	chr7_157738201_157738<	sig	hyper
chr7	1.6E+08	1.6E+08	*	6.858E-30	1.279E-29	0.163646	chr7_157738401_157738(	sig	hyper
chr7	1.6E+08	1.6E+08	*	3.946E-16	5.272E-16	-0.10264	chr7_157751001_157751;	sig	hypo
chr7	1.6E+08	1.6E+08	*	7.238E-20	1.073E-19	-0.13673	chr7_157751201_157751<	sig	hypo
chr7	1.6E+08	1.6E+08	*	3.8E-31	7.269E-31	-0.18125	chr7_157754001_157754;	sig	hypo
chr7	1.6E+08	1.6E+08	*	3.358E-20	5.028E-20	-0.10553	chr7_157768801_157769(	sig	hypo
chr7	1.6E+08	1.6E+08	*	4.278E-76	1.68E-75	-0.17498	chr7_157775401_157775(	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.149E-14	1.473E-14	-0.10049	chr7_157793001_157793;	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.825E-16	2.466E-16	-0.11843	chr7_157796001_157796;	sig	hypo
chr7	1.6E+08	1.6E+08	*	7.506E-42	1.751E-41	-0.14627	chr7_157812801_157813(	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.995E-41	4.618E-41	0.151317	chr7_157832201_157832<	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.151E-34	2.366E-34	-0.10278	chr7_157833001_157833;	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.072E-33	2.159E-33	-0.10092	chr7_157833201_157833<	sig	hypo
chr7	1.6E+08	1.6E+08	*	4.722E-27	8.326E-27	-0.10055	chr7_157850401_157850(	sig	hypo
chr7	1.6E+08	1.6E+08	*	9.01E-49	2.358E-48	-0.2134	chr7_157851401_157851(	sig	hypo
chr7	1.6E+08	1.6E+08	*	4.558E-29	8.362E-29	0.121137	chr7_157856001_157856;	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.621E-17	2.255E-17	-0.10294	chr7_157871401_157871(	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.043E-89	4.952E-89	0.157371	chr7_157875201_157875<	sig	hyper
chr7	1.6E+08	1.6E+08	*	3.773E-27	6.666E-27	0.136467	chr7_157878001_157878;	sig	hyper
chr7	1.6E+08	1.6E+08	*	3.096E-35	6.429E-35	-0.1214	chr7_157898801_157899(	sig	hypo
chr7	1.6E+08	1.6E+08	*	2.437E-28	4.403E-28	0.177932	chr7_157962001_157962;	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.04E-45	2.579E-45	-0.19107	chr7_158042001_158042;	sig	hypo
chr7	1.6E+08	1.6E+08	*	2.862E-23	4.624E-23	-0.10083	chr7_158061201_158061<	sig	hypo
chr7	1.6E+08	1.6E+08	*	5.88E-19	8.517E-19	0.124943	chr7_158074801_158075(	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.179E-14	1.511E-14	0.136196	chr7_158077201_158077<	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.197E-14	1.534E-14	0.122053	chr7_158097801_158098(	sig	hyper
chr7	1.6E+08	1.6E+08	*	8.613E-19	1.243E-18	0.15778	chr7_158098001_158098;	sig	hyper
chr7	1.6E+08	1.6E+08	*	4.039E-35	8.364E-35	-0.15701	chr7_158141001_158141;	sig	hypo
chr7	1.6E+08	1.6E+08	*	8.209E-52	2.25E-51	0.12052	chr7_158164201_158164<	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.157E-20	1.752E-20	-0.10066	chr7_158165401_158165(	sig	hypo
chr7	1.6E+08	1.6E+08	*	2.037E-62	6.576E-62	-0.23992	chr7_158238001_158238;	sig	hypo
chr7	1.6E+08	1.6E+08	*	3.43E-117	2.35E-116	-0.29586	chr7_158239601_158239{	sig	hypo
chr7	1.6E+08	1.6E+08	*	8.174E-75	3.149E-74	-0.2405	chr7_158239801_158240(	sig	hypo
chr7	1.6E+08	1.6E+08	*	4.352E-11	4.925E-11	-0.10108	chr7_158253201_158253<	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.091E-30	2.068E-30	-0.14131	chr7_158253401_158253(	sig	hypo
chr7	1.6E+08	1.6E+08	*	3.021E-49	7.975E-49	-0.20705	chr7_158263801_158264(	sig	hypo
chr7	1.6E+08	1.6E+08	*	4.038E-25	6.807E-25	-0.11532	chr7_158267001_158267;	sig	hypo
chr7	1.6E+08	1.6E+08	*	4.947E-41	1.137E-40	-0.198	chr7_158267201_158267<	sig	hypo
chr7	1.6E+08	1.6E+08	*	2.02E-09	2.132E-09	0.11509	chr7_158277201_158277<	sig	hyper
chr7	1.6E+08	1.6E+08	*	2.374E-67	8.226E-67	0.176317	chr7_158317401_158317(	sig	hyper
chr7	1.6E+08	1.6E+08	*	5.82E-44	1.406E-43	0.167221	chr7_158317801_158318(	sig	hyper

chr7	1.6E+08	1.6E+08	*	4.901E-14	6.16E-14	-0.10345	chr7_158390201_158390	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.246E-31	2.407E-31	-0.11021	chr7_158443401_158443	sig	hypo
chr7	1.6E+08	1.6E+08	*	3.939E-35	8.16E-35	-0.17582	chr7_158450601_158450	sig	hypo
chr7	1.6E+08	1.6E+08	*	3.33E-144	3.25E-143	-0.24113	chr7_158450801_158451	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.25E-42	2.955E-42	0.143424	chr7_158473401_158473	sig	hyper
chr7	1.6E+08	1.6E+08	*	3.11E-109	1.92E-108	0.310909	chr7_158570001_158570	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.378E-63	4.54E-63	0.240417	chr7_158570201_158570	sig	hyper
chr7	1.6E+08	1.6E+08	*	4.59E-171	6.49E-170	0.292677	chr7_158586401_158586	sig	hyper
chr7	1.6E+08	1.6E+08	*	5.661E-72	2.093E-71	-0.15949	chr7_158719801_158720	sig	hypo
chr7	1.6E+08	1.6E+08	*	5.035E-30	9.42E-30	0.116453	chr7_158741001_158741	sig	hyper
chr7	1.6E+08	1.6E+08	*	6.391E-35	1.319E-34	-0.17886	chr7_158957401_158957	sig	hypo
chr7	1.6E+08	1.6E+08	*	4.19E-164	5.37E-163	-0.31821	chr7_158974201_158974	sig	hypo
chr7	1.6E+08	1.6E+08	*	8.488E-33	1.678E-32	-0.21802	chr7_158974401_158974	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.677E-63	5.517E-63	-0.19256	chr7_158979001_158979	sig	hypo
chr7	1.6E+08	1.6E+08	*	7.366E-60	2.289E-59	-0.24938	chr7_158982201_158982	sig	hypo
chr7	1.6E+08	1.6E+08	*	8.53E-107	5.08E-106	0.239867	chr7_158992801_158993	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.26E-99	6.82E-99	-0.22525	chr7_158995401_158995	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.568E-22	2.486E-22	0.170914	chr7_158996801_158997	sig	hyper
chr7	1.6E+08	1.6E+08	*	5.672E-58	1.715E-57	0.156384	chr7_158997001_158997	sig	hyper
chr7	1.6E+08	1.6E+08	*	5.748E-23	9.22E-23	0.165739	chr7_158997201_158997	sig	hyper
chr7	1.6E+08	1.6E+08	*	3.841E-28	6.913E-28	0.170573	chr7_158997401_158997	sig	hyper
chr7	1.6E+08	1.6E+08	*	2.066E-67	7.17E-67	-0.17558	chr7_158999401_158999	sig	hypo
chr7	1.6E+08	1.6E+08	*	9.158E-23	1.46E-22	-0.10838	chr7_158999601_158999	sig	hypo
chr7	1.6E+08	1.6E+08	*	7.75E-104	4.42E-103	-0.26861	chr7_159007001_159007	sig	hypo
chr7	1.6E+08	1.6E+08	*	6.291E-47	1.598E-46	-0.15907	chr7_159026801_159027	sig	hypo
chr7	1.6E+08	1.6E+08	*	4.777E-55	1.38E-54	-0.20374	chr7_159027601_159027	sig	hypo
chr7	1.6E+08	1.6E+08	*	2.97E-56	8.761E-56	0.158968	chr7_159061801_159062	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.98E-122	1.44E-121	-0.30836	chr7_159065801_159066	sig	hypo
chr7	1.6E+08	1.6E+08	*	6.115E-35	1.263E-34	-0.13089	chr7_159066001_159066	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.224E-40	2.797E-40	-0.1695	chr7_159093401_159093	sig	hypo
chr7	1.6E+08	1.6E+08	*	5.989E-15	7.751E-15	0.109379	chr7_159112601_159112	sig	hyper
chr7	1.6E+08	1.6E+08	*	5.43E-138	4.87E-137	0.300763	chr7_159143801_159144	sig	hyper
chr7	1.6E+08	1.6E+08	*	1.08E-302	8.11E-301	0.32945	chr7_159144001_159144	sig	hyper
chr7	1.6E+08	1.6E+08	*	3.31E-119	2.32E-118	0.281014	chr7_159144401_159144	sig	hyper
chr7	1.6E+08	1.6E+08	*	2.188E-49	5.787E-49	-0.21208	chr7_159153201_159153	sig	hypo
chr7	1.6E+08	1.6E+08	*	1.988E-36	4.224E-36	-0.14068	chr7_159154601_159154	sig	hypo
chr7	1.6E+08	1.6E+08	*	2.783E-22	4.381E-22	-0.13594	chr7_159157001_159157	sig	hypo
chr7	1.6E+08	1.6E+08	*	3.029E-24	5.004E-24	-0.11736	chr7_159158601_159158	sig	hypo
chr8	380001	380200	*	7.223E-43	1.713E-42	-0.12962	chr8_380001_380200	sig	hypo
chr8	544001	544200	*	8.631E-69	3.053E-68	0.173676	chr8_544001_544200	sig	hyper
chr8	625601	625800	*	8.08E-38	1.761E-37	0.136098	chr8_625601_625800	sig	hyper
chr8	694401	694600	*	2.075E-63	6.814E-63	-0.20865	chr8_694401_694600	sig	hypo
chr8	694601	694800	*	8.104E-26	1.39E-25	-0.11316	chr8_694601_694800	sig	hypo
chr8	735801	736000	*	1.588E-17	2.209E-17	0.145981	chr8_735801_736000	sig	hyper
chr8	739801	740000	*	4.64E-231	1.43E-229	0.344171	chr8_739801_740000	sig	hyper
chr8	750201	750400	*	6.294E-42	1.47E-41	-0.11004	chr8_750201_750400	sig	hypo
chr8	837001	837200	*	2.363E-76	9.311E-76	-0.22791	chr8_837001_837200	sig	hypo
chr8	860801	861000	*	7.978E-40	1.797E-39	-0.14991	chr8_860801_861000	sig	hypo
chr8	868601	868800	*	1.422E-35	2.972E-35	-0.13039	chr8_868601_868800	sig	hypo
chr8	926001	926200	*	4.282E-32	8.347E-32	-0.15766	chr8_926001_926200	sig	hypo
chr8	964401	964600	*	1.609E-53	4.535E-53	0.17032	chr8_964401_964600	sig	hyper
chr8	1029401	1029600	*	5.142E-73	1.926E-72	-0.25296	chr8_1029401_1029600	sig	hypo
chr8	1062401	1062600	*	3.586E-68	1.257E-67	0.191537	chr8_1062401_1062600	sig	hyper
chr8	1099401	1099600	*	1.541E-29	2.853E-29	-0.10584	chr8_1099401_1099600	sig	hypo
chr8	1101601	1101800	*	5.521E-58	1.669E-57	-0.15307	chr8_1101601_1101800	sig	hypo
chr8	1163601	1163800	*	2.278E-16	3.068E-16	0.121659	chr8_1163601_1163800	sig	hyper

chr8	1184401	1184600	*	8.016E-22	1.249E-21	-0.12902	chr8_1184401_1184600	sig	hypo
chr8	1200401	1200600	*	9.838E-15	1.264E-14	0.123324	chr8_1200401_1200600	sig	hyper
chr8	1294001	1294200	*	1.689E-13	2.087E-13	-0.12598	chr8_1294001_1294200	sig	hypo
chr8	1323401	1323600	*	5.743E-47	1.46E-46	-0.12105	chr8_1323401_1323600	sig	hypo
chr8	1333401	1333600	*	1.638E-41	3.799E-41	-0.15978	chr8_1333401_1333600	sig	hypo
chr8	1389801	1390000	*	5.581E-21	8.518E-21	0.114338	chr8_1389801_1390000	sig	hyper
chr8	1422001	1422200	*	6.214E-37	1.333E-36	-0.12147	chr8_1422001_1422200	sig	hypo
chr8	1431601	1431800	*	3.275E-46	8.204E-46	-0.1367	chr8_1431601_1431800	sig	hypo
chr8	1432801	1433000	*	1.469E-75	5.726E-75	-0.18178	chr8_1432801_1433000	sig	hypo
chr8	1451801	1452000	*	8.975E-31	1.704E-30	-0.14499	chr8_1451801_1452000	sig	hypo
chr8	1463601	1463800	*	1.67E-55	4.863E-55	-0.16264	chr8_1463601_1463800	sig	hypo
chr8	1483001	1483200	*	2.424E-51	6.588E-51	-0.25879	chr8_1483001_1483200	sig	hypo
chr8	1510201	1510400	*	1.506E-32	2.964E-32	-0.12581	chr8_1510201_1510400	sig	hypo
chr8	1546801	1547000	*	1.464E-32	2.882E-32	-0.11418	chr8_1546801_1547000	sig	hypo
chr8	1552201	1552400	*	2.31E-125	1.76E-124	0.366751	chr8_1552201_1552400	sig	hyper
chr8	1633401	1633600	*	9.848E-20	1.455E-19	0.126586	chr8_1633401_1633600	sig	hyper
chr8	1641201	1641400	*	2.627E-29	4.84E-29	-0.10528	chr8_1641201_1641400	sig	hypo
chr8	1668001	1668200	*	3.516E-33	7.014E-33	-0.14207	chr8_1668001_1668200	sig	hypo
chr8	1668201	1668400	*	7.345E-30	1.37E-29	-0.18492	chr8_1668201_1668400	sig	hypo
chr8	1668601	1668800	*	9.764E-28	1.745E-27	-0.11806	chr8_1668601_1668800	sig	hypo
chr8	1676601	1676800	*	1.867E-40	4.252E-40	-0.14644	chr8_1676601_1676800	sig	hypo
chr8	1694401	1694600	*	7.422E-30	1.384E-29	-0.10293	chr8_1694401_1694600	sig	hypo
chr8	1702001	1702200	*	2.563E-27	4.547E-27	-0.11727	chr8_1702001_1702200	sig	hypo
chr8	1749201	1749400	*	1.351E-31	2.606E-31	0.103078	chr8_1749201_1749400	sig	hyper
chr8	1755801	1756000	*	1.567E-35	3.271E-35	-0.12344	chr8_1755801_1756000	sig	hypo
chr8	1759201	1759400	*	4.67E-45	1.147E-44	0.177871	chr8_1759201_1759400	sig	hyper
chr8	1780401	1780600	*	1.239E-69	4.431E-69	-0.17735	chr8_1780401_1780600	sig	hypo
chr8	1816601	1816800	*	3.03E-25	5.121E-25	-0.15501	chr8_1816601_1816800	sig	hypo
chr8	1837601	1837800	*	1.057E-38	2.336E-38	-0.16437	chr8_1837601_1837800	sig	hypo
chr8	1862201	1862400	*	2.152E-42	5.062E-42	-0.10581	chr8_1862201_1862400	sig	hypo
chr8	1866401	1866600	*	5.781E-84	2.531E-83	0.204565	chr8_1866401_1866600	sig	hyper
chr8	1909001	1909200	*	4.33E-27	7.642E-27	-0.1518	chr8_1909001_1909200	sig	hypo
chr8	1922401	1922600	*	5.655E-10	6.116E-10	-0.10047	chr8_1922401_1922600	sig	hypo
chr8	1922601	1922800	*	8.608E-46	2.14E-45	-0.14736	chr8_1922601_1922800	sig	hypo
chr8	1931401	1931600	*	2.78E-215	7.14E-214	-0.30047	chr8_1931401_1931600	sig	hypo
chr8	1958201	1958400	*	3.92E-120	2.78E-119	0.237658	chr8_1958201_1958400	sig	hyper
chr8	1974801	1975000	*	9.348E-94	4.681E-93	0.17741	chr8_1974801_1975000	sig	hyper
chr8	2008801	2009000	*	5.384E-20	8.017E-20	-0.13557	chr8_2008801_2009000	sig	hypo
chr8	2012001	2012200	*	1.381E-18	1.979E-18	0.101917	chr8_2012001_2012200	sig	hyper
chr8	2023401	2023600	*	9.839E-26	1.685E-25	-0.14376	chr8_2023401_2023600	sig	hypo
chr8	2025401	2025600	*	1.266E-19	1.865E-19	-0.15199	chr8_2025401_2025600	sig	hypo
chr8	2034601	2034800	*	3.287E-55	9.521E-55	-0.24546	chr8_2034601_2034800	sig	hypo
chr8	2034801	2035000	*	6.205E-44	1.498E-43	-0.19586	chr8_2034801_2035000	sig	hypo
chr8	2035001	2035200	*	3.017E-33	6.024E-33	-0.14402	chr8_2035001_2035200	sig	hypo
chr8	2089801	2090000	*	1.43E-114	9.54E-114	-0.25022	chr8_2089801_2090000	sig	hypo
chr8	2090001	2090200	*	1.46E-177	2.24E-176	-0.27192	chr8_2090001_2090200	sig	hypo
chr8	2096201	2096400	*	1.575E-37	3.418E-37	-0.14124	chr8_2096201_2096400	sig	hypo
chr8	2099001	2099200	*	1.451E-20	2.192E-20	-0.10444	chr8_2099001_2099200	sig	hypo
chr8	2145201	2145400	*	4.055E-86	1.831E-85	-0.20481	chr8_2145201_2145400	sig	hypo
chr8	2561801	2562000	*	6.889E-90	3.28E-89	0.188685	chr8_2561801_2562000	sig	hyper
chr8	4994801	4995000	*	7.51E-108	4.54E-107	0.262905	chr8_4994801_4995000	sig	hyper
chr8	6806001	6806200	*	1.296E-13	1.607E-13	-0.10441	chr8_6806001_6806200	sig	hypo
chr8	6806401	6806600	*	1.122E-24	1.874E-24	-0.11012	chr8_6806401_6806600	sig	hypo
chr8	6814201	6814400	*	6.833E-39	1.515E-38	-0.11019	chr8_6814201_6814400	sig	hypo
chr8	7083001	7083200	*	8.112E-28	1.453E-27	-0.10531	chr8_7083001_7083200	sig	hypo
chr8	7147201	7147400	*	7.413E-47	1.88E-46	0.146502	chr8_7147201_7147400	sig	hyper

chr8	8325001	8325200	*	2.137E-86	9.688E-86	0.245668	chr8_8325001_8325200	sig	hyper
chr8	8381601	8381800	*	6.771E-26	1.164E-25	-0.10614	chr8_8381601_8381800	sig	hypo
chr8	8781601	8781800	*	5.253E-36	1.105E-35	-0.13795	chr8_8781601_8781800	sig	hypo
chr8	8782401	8782600	*	3.986E-39	8.878E-39	-0.11657	chr8_8782401_8782600	sig	hypo
chr8	8891601	8891800	*	1.815E-14	2.314E-14	0.130952	chr8_8891601_8891800	sig	hyper
chr8	8891801	8892000	*	1.123E-25	1.92E-25	0.123263	chr8_8891801_8892000	sig	hyper
chr8	9324601	9324800	*	4.37E-106	2.58E-105	-0.27256	chr8_9324601_9324800	sig	hypo
chr8	9898201	9898400	*	2.637E-29	4.857E-29	0.16799	chr8_9898201_9898400	sig	hyper
chr8	9905201	9905400	*	1.131E-43	2.717E-43	0.121902	chr8_9905201_9905400	sig	hyper
chr8	1E+07	1E+07	*	1.17E-168	1.6E-167	0.32209	chr8_10426201_1042640(	sig	hyper
chr8	1.1E+07	1.1E+07	*	6.271E-16	8.343E-16	-0.13873	chr8_10591401_1059160(	sig	hypo
chr8	1.1E+07	1.1E+07	*	5.165E-49	1.357E-48	0.153987	chr8_10729401_1072960(	sig	hyper
chr8	1.1E+07	1.1E+07	*	2.41E-235	7.98E-234	0.192223	chr8_10733001_1073320(	sig	hyper
chr8	1.1E+07	1.1E+07	*	3.686E-22	5.788E-22	-0.11509	chr8_11039801_1104000(	sig	hypo
chr8	1.1E+07	1.1E+07	*	2.197E-30	4.138E-30	0.152656	chr8_11059001_1105920(	sig	hyper
chr8	1.1E+07	1.1E+07	*	4.69E-63	1.529E-62	0.196837	chr8_11059201_1105940(	sig	hyper
chr8	1.1E+07	1.1E+07	*	2.614E-22	4.119E-22	0.12004	chr8_11283801_1128400(	sig	hyper
chr8	1.1E+07	1.1E+07	*	1.19E-100	6.5E-100	0.290193	chr8_11347001_1134720(	sig	hyper
chr8	1.1E+07	1.1E+07	*	3.93E-137	3.48E-136	0.370404	chr8_11347201_1134740(	sig	hyper
chr8	1.2E+07	1.2E+07	*	1.731E-19	2.543E-19	-0.11732	chr8_11614001_1161420(	sig	hypo
chr8	1.2E+07	1.2E+07	*	2.709E-27	4.802E-27	-0.14525	chr8_11614201_1161440(	sig	hypo
chr8	1.2E+07	1.2E+07	*	1.036E-26	1.814E-26	0.116514	chr8_11679401_1167960(	sig	hyper
chr8	1.2E+07	1.2E+07	*	5.842E-28	1.048E-27	0.149025	chr8_11679601_1167980(	sig	hyper
chr8	1.2E+07	1.2E+07	*	3.16E-112	2.03E-111	0.125675	chr8_11693001_1169320(	sig	hyper
chr8	1.2E+07	1.2E+07	*	3.72E-99	1.999E-98	0.180351	chr8_11700601_1170080(	sig	hyper
chr8	1.2E+07	1.2E+07	*	9.84E-136	8.56E-135	0.195925	chr8_11703001_1170320(	sig	hyper
chr8	1.2E+07	1.2E+07	*	7.34E-127	5.71E-126	0.232047	chr8_11703801_1170400(	sig	hyper
chr8	1.2E+07	1.2E+07	*	2.72E-141	2.55E-140	0.395269	chr8_11709601_1170980(	sig	hyper
chr8	1.2E+07	1.2E+07	*	2.59E-17	3.581E-17	0.127706	chr8_11721201_1172140(	sig	hyper
chr8	1.2E+07	1.2E+07	*	3.5E-305	2.73E-303	-0.40411	chr8_11982201_1198240(	sig	hypo
chr8	1.2E+07	1.2E+07	*	2.853E-36	6.041E-36	-0.1192	chr8_12380201_1238040(	sig	hypo
chr8	1.3E+07	1.3E+07	*	3.218E-25	5.437E-25	-0.10133	chr8_12688401_1268860(	sig	hypo
chr8	1.4E+07	1.4E+07	*	3.386E-76	1.331E-75	0.228317	chr8_13566401_1356660(	sig	hyper
chr8	1.4E+07	1.4E+07	*	3.497E-49	9.221E-49	0.119034	chr8_13566601_1356680(	sig	hyper
chr8	1.4E+07	1.4E+07	*	5.75E-214	1.45E-212	0.231032	chr8_13566801_1356700(	sig	hyper
chr8	1.7E+07	1.7E+07	*	2.529E-49	6.681E-49	0.136389	chr8_17002001_1700220(	sig	hyper
chr8	1.7E+07	1.7E+07	*	2.3E-130	1.87E-129	0.294482	chr8_17026601_1702680(	sig	hyper
chr8	2E+07	2E+07	*	3.992E-34	8.108E-34	0.210913	chr8_19602401_1960260(	sig	hyper
chr8	2E+07	2E+07	*	1.296E-41	3.012E-41	0.224875	chr8_19602601_1960280(	sig	hyper
chr8	2E+07	2E+07	*	1.078E-45	2.672E-45	-0.132	chr8_20250001_2025020(	sig	hypo
chr8	2E+07	2E+07	*	5.695E-34	1.153E-33	-0.18061	chr8_20253201_2025340(	sig	hypo
chr8	2E+07	2E+07	*	1.136E-12	1.364E-12	0.107606	chr8_20304401_2030460(	sig	hyper
chr8	2E+07	2E+07	*	4.65E-19	6.755E-19	0.134989	chr8_20312801_2031300(	sig	hyper
chr8	2.2E+07	2.2E+07	*	5.17E-120	3.67E-119	0.154858	chr8_21787601_2178780(	sig	hyper
chr8	2.2E+07	2.2E+07	*	2.16E-147	2.2E-146	0.246257	chr8_21788601_2178880(	sig	hyper
chr8	2.2E+07	2.2E+07	*	9.701E-46	2.409E-45	-0.1679	chr8_21909601_2190980(	sig	hypo
chr8	2.2E+07	2.2E+07	*	3.58E-27	6.328E-27	-0.11481	chr8_21912201_2191240(	sig	hypo
chr8	2.2E+07	2.2E+07	*	2.129E-38	4.68E-38	0.120137	chr8_22086601_2208680(	sig	hyper
chr8	2.2E+07	2.2E+07	*	1.889E-16	2.552E-16	0.11809	chr8_22104201_2210440(	sig	hyper
chr8	2.2E+07	2.2E+07	*	5.62E-23	9.017E-23	-0.1132	chr8_22139001_2213920(	sig	hypo
chr8	2.2E+07	2.2E+07	*	1.907E-34	3.902E-34	0.11351	chr8_22164001_2216420(	sig	hyper
chr8	2.2E+07	2.2E+07	*	3.62E-214	9.16E-213	0.291604	chr8_22231801_2223200(	sig	hyper
chr8	2.3E+07	2.3E+07	*	2.902E-20	4.35E-20	-0.10252	chr8_22540601_2254080(	sig	hypo
chr8	2.3E+07	2.3E+07	*	6.136E-67	2.116E-66	0.304603	chr8_22589601_2258980(	sig	hyper
chr8	2.3E+07	2.3E+07	*	2.377E-41	5.498E-41	0.185692	chr8_22690001_2269020(	sig	hyper
chr8	2.3E+07	2.3E+07	*	5.958E-37	1.278E-36	0.117256	chr8_22691401_2269160(	sig	hyper

chr8	2.3E+07	2.3E+07	*	6.583E-54	1.869E-53	-0.19776	chr8_22715601_2271580(	sig	hypo
chr8	2.3E+07	2.3E+07	*	1.109E-18	1.594E-18	0.134336	chr8_22866001_2286620(	sig	hyper
chr8	2.3E+07	2.3E+07	*	8.366E-38	1.823E-37	0.169252	chr8_23071001_2307120(	sig	hyper
chr8	2.3E+07	2.3E+07	*	3.748E-63	1.224E-62	0.133869	chr8_23102801_2310300(	sig	hyper
chr8	2.3E+07	2.3E+07	*	3.69E-245	1.4E-243	0.161097	chr8_23103001_2310320(	sig	hyper
chr8	2.3E+07	2.3E+07	*	1.557E-47	3.996E-47	0.216051	chr8_23404401_2340460(	sig	hyper
chr8	2.4E+07	2.4E+07	*	1.07E-206	2.43E-205	0.291563	chr8_23573201_2357340(	sig	hyper
chr8	2.4E+07	2.4E+07	*	9.68E-124	7.21E-123	0.313187	chr8_23573401_2357360(	sig	hyper
chr8	2.4E+07	2.4E+07	*	3.673E-36	7.754E-36	0.14856	chr8_23683201_2368340(	sig	hyper
chr8	2.4E+07	2.4E+07	*	7.121E-88	3.3E-87	0.234821	chr8_23702401_2370260(	sig	hyper
chr8	2.4E+07	2.4E+07	*	3.47E-159	4.15E-158	0.174141	chr8_23702801_2370300(	sig	hyper
chr8	2.4E+07	2.4E+07	*	1.01E-197	2.05E-196	0.29331	chr8_23705601_2370580(	sig	hyper
chr8	2.4E+07	2.4E+07	*	1.37E-206	3.12E-205	0.218765	chr8_23706401_2370660(	sig	hyper
chr8	2.4E+07	2.4E+07	*	2.48E-182	4.06E-181	0.267427	chr8_23707001_2370720(	sig	hyper
chr8	2.4E+07	2.4E+07	*	1.38E-258	6.13E-257	0.241324	chr8_23710001_2371020(	sig	hyper
chr8	2.4E+07	2.4E+07	*	5.208E-63	1.696E-62	0.260352	chr8_23714201_2371440(	sig	hyper
chr8	2.5E+07	2.5E+07	*	5.91E-220	1.61E-218	0.270037	chr8_24914601_2491480(	sig	hyper
chr8	2.5E+07	2.5E+07	*	0	0	0.234965	chr8_24914801_2491500(	sig	hyper
chr8	2.5E+07	2.5E+07	*	5.4E-134	4.61E-133	0.181406	chr8_24915601_2491580(	sig	hyper
chr8	2.5E+07	2.5E+07	*	4.66E-128	3.68E-127	0.191585	chr8_24955601_2495580(	sig	hyper
chr8	2.5E+07	2.5E+07	*	5.023E-54	1.429E-53	0.142885	chr8_24957601_2495780(	sig	hyper
chr8	2.5E+07	2.5E+07	*	2.503E-44	6.085E-44	0.133891	chr8_25000201_2500040(	sig	hyper
chr8	2.5E+07	2.5E+07	*	4.92E-132	4.09E-131	0.218504	chr8_25001401_2500160(	sig	hyper
chr8	2.6E+07	2.6E+07	*	1.18E-135	1.03E-134	0.260819	chr8_26010401_2601060(	sig	hyper
chr8	2.6E+07	2.6E+07	*	3.432E-61	1.087E-60	0.203742	chr8_26039801_2604000(	sig	hyper
chr8	2.6E+07	2.6E+07	*	9.199E-85	4.08E-84	0.222516	chr8_26040801_2604100(	sig	hyper
chr8	2.6E+07	2.6E+07	*	4.98E-91	2.411E-90	0.193226	chr8_26043801_2604400(	sig	hyper
chr8	2.6E+07	2.6E+07	*	1.602E-58	4.876E-58	0.17273	chr8_26046201_2604640(	sig	hyper
chr8	2.6E+07	2.6E+07	*	1.346E-65	4.557E-65	0.241015	chr8_26048001_2604820(	sig	hyper
chr8	2.6E+07	2.6E+07	*	8.339E-96	4.309E-95	0.268609	chr8_26048201_2604840(	sig	hyper
chr8	2.6E+07	2.6E+07	*	7.957E-86	3.577E-85	0.247146	chr8_26048401_2604860(	sig	hyper
chr8	2.6E+07	2.6E+07	*	5.116E-45	1.256E-44	0.165303	chr8_26049201_2604940(	sig	hyper
chr8	2.6E+07	2.6E+07	*	2.471E-44	6.008E-44	0.184161	chr8_26049401_2604960(	sig	hyper
chr8	2.6E+07	2.6E+07	*	2.63E-180	4.21E-179	0.242767	chr8_26051601_2605180(	sig	hyper
chr8	2.6E+07	2.6E+07	*	2.39E-115	1.61E-114	0.256135	chr8_26051801_2605200(	sig	hyper
chr8	2.6E+07	2.6E+07	*	2.504E-49	6.617E-49	0.186244	chr8_26052001_2605220(	sig	hyper
chr8	2.6E+07	2.6E+07	*	7.734E-22	1.206E-21	-0.12357	chr8_26190801_2619100(	sig	hypo
chr8	2.6E+07	2.6E+07	*	3.017E-26	5.226E-26	-0.11461	chr8_26381401_2638160(	sig	hypo
chr8	2.7E+07	2.7E+07	*	2.863E-35	5.946E-35	0.139971	chr8_26864201_2686440(	sig	hyper
chr8	2.7E+07	2.7E+07	*	4.376E-69	1.555E-68	0.231798	chr8_26865201_2686540(	sig	hyper
chr8	2.7E+07	2.7E+07	*	4.554E-80	1.894E-79	-0.13632	chr8_27326201_2732640(	sig	hypo
chr8	2.7E+07	2.7E+07	*	3.022E-17	4.169E-17	-0.1048	chr8_27489001_2748920(	sig	hypo
chr8	2.8E+07	2.8E+07	*	1.038E-12	1.248E-12	-0.10144	chr8_27611601_2761180(	sig	hypo
chr8	2.8E+07	2.8E+07	*	6.645E-54	1.886E-53	-0.16351	chr8_27659001_2765920(	sig	hypo
chr8	2.8E+07	2.8E+07	*	6.008E-38	1.312E-37	-0.16037	chr8_28339401_2833960(	sig	hypo
chr8	2.9E+07	2.9E+07	*	4.48E-43	1.066E-42	0.214018	chr8_28702801_2870300(	sig	hyper
chr8	2.9E+07	2.9E+07	*	6.52E-22	1.019E-21	0.111708	chr8_29336801_2933700(	sig	hyper
chr8	3E+07	3E+07	*	0	0	0.323794	chr8_30442601_3044280(	sig	hyper
chr8	3.2E+07	3.2E+07	*	3.523E-62	1.134E-61	0.246979	chr8_31639001_3163920(	sig	hyper
chr8	3.3E+07	3.3E+07	*	7.42E-146	7.4E-145	0.193363	chr8_32548201_3254840(	sig	hyper
chr8	3.3E+07	3.3E+07	*	1.04E-135	9.02E-135	0.217504	chr8_32549201_3254940(	sig	hyper
chr8	3.3E+07	3.3E+07	*	6.838E-14	8.555E-14	0.139755	chr8_32647201_3264740(	sig	hyper
chr8	3.3E+07	3.3E+07	*	6.084E-11	6.856E-11	-0.11394	chr8_32647601_3264780(	sig	hypo
chr8	3.4E+07	3.4E+07	*	9.191E-66	3.119E-65	0.173207	chr8_33599601_3359980(	sig	hyper
chr8	3.4E+07	3.4E+07	*	2.424E-33	4.849E-33	-0.12945	chr8_33721401_3372160(	sig	hypo
chr8	3.4E+07	3.4E+07	*	5.747E-43	1.365E-42	-0.11316	chr8_33721601_3372180(	sig	hypo

chr8	3.7E+07	3.7E+07	*	1.493E-53	4.213E-53	0.173866	chr8_37493401_3749360(	sig	hyper
chr8	3.8E+07	3.8E+07	*	1.33E-78	5.413E-78	0.217811	chr8_37797801_3779800(	sig	hyper
chr8	3.8E+07	3.8E+07	*	3.152E-42	7.399E-42	-0.16655	chr8_37831401_3783160(	sig	hypo
chr8	3.8E+07	3.8E+07	*	1.189E-79	4.916E-79	-0.15072	chr8_37899801_3790000(	sig	hypo
chr8	3.8E+07	3.8E+07	*	5.97E-162	7.44E-161	0.180828	chr8_37965801_3796600(	sig	hyper
chr8	3.8E+07	3.8E+07	*	1.437E-72	5.352E-72	0.183029	chr8_38150801_3815100(	sig	hyper
chr8	3.8E+07	3.8E+07	*	2.153E-43	5.15E-43	0.148952	chr8_38268201_3826840(	sig	hyper
chr8	3.8E+07	3.8E+07	*	0	0	0.268243	chr8_38318001_3831820(	sig	hyper
chr8	3.9E+07	3.9E+07	*	1.104E-24	1.845E-24	-0.12772	chr8_38601001_3860120(	sig	hypo
chr8	3.9E+07	3.9E+07	*	9.271E-64	3.061E-63	0.308652	chr8_38651001_3865120(	sig	hyper
chr8	3.9E+07	3.9E+07	*	1.011E-30	1.917E-30	0.182865	chr8_38713201_3871340(	sig	hyper
chr8	3.9E+07	3.9E+07	*	7.062E-47	1.792E-46	-0.15282	chr8_38721201_3872140(	sig	hypo
chr8	3.9E+07	3.9E+07	*	1.118E-66	3.84E-66	0.241299	chr8_38770401_3877060(	sig	hyper
chr8	3.9E+07	3.9E+07	*	5.623E-18	7.925E-18	0.138818	chr8_38787601_3878780(	sig	hyper
chr8	3.9E+07	3.9E+07	*	1.03E-173	1.51E-172	0.292738	chr8_39314401_3931460(	sig	hyper
chr8	4E+07	4E+07	*	3.692E-42	8.656E-42	-0.12026	chr8_39838201_3983840(	sig	hypo
chr8	4E+07	4E+07	*	3.594E-94	1.811E-93	0.276145	chr8_39978401_3997860(	sig	hyper
chr8	4.1E+07	4.1E+07	*	2.211E-22	3.493E-22	-0.13432	chr8_41289401_4128960(	sig	hypo
chr8	4.1E+07	4.1E+07	*	5.223E-76	2.047E-75	0.267845	chr8_41308601_4130880(	sig	hyper
chr8	4.1E+07	4.1E+07	*	2.05E-226	5.98E-225	0.232404	chr8_41309401_4130960(	sig	hyper
chr8	4.2E+07	4.2E+07	*	4.636E-59	1.423E-58	0.190403	chr8_41567801_4156800(	sig	hyper
chr8	4.2E+07	4.2E+07	*	9.253E-35	1.904E-34	0.146571	chr8_41621201_4162140(	sig	hyper
chr8	4.2E+07	4.2E+07	*	4.028E-13	4.913E-13	-0.13854	chr8_41623001_4162320(	sig	hypo
chr8	4.2E+07	4.2E+07	*	1.005E-90	4.841E-90	0.10593	chr8_41646601_4164680(	sig	hyper
chr8	4.2E+07	4.2E+07	*	4.334E-81	1.823E-80	0.198448	chr8_41653401_4165360(	sig	hyper
chr8	4.2E+07	4.2E+07	*	4.461E-63	1.455E-62	-0.18382	chr8_41665201_4166540(	sig	hypo
chr8	4.2E+07	4.2E+07	*	3.664E-91	1.776E-90	-0.2834	chr8_41665801_4166600(	sig	hypo
chr8	4.2E+07	4.2E+07	*	6.348E-52	1.742E-51	0.275843	chr8_41725801_4172600(	sig	hyper
chr8	4.2E+07	4.2E+07	*	1.505E-55	4.386E-55	0.123721	chr8_41767801_4176800(	sig	hyper
chr8	4.2E+07	4.2E+07	*	3.964E-69	1.409E-68	-0.14549	chr8_41785801_4178600(	sig	hypo
chr8	4.2E+07	4.2E+07	*	1.77E-138	1.6E-137	0.228067	chr8_41876001_4187620(	sig	hyper
chr8	4.2E+07	4.2E+07	*	3.123E-63	1.021E-62	0.244096	chr8_41897801_4189800(	sig	hyper
chr8	4.2E+07	4.2E+07	*	5.11E-132	4.24E-131	-0.36175	chr8_42052801_4205300(	sig	hypo
chr8	4.2E+07	4.2E+07	*	0	0	0.439187	chr8_42499001_4249920(	sig	hyper
chr8	4.2E+07	4.2E+07	*	3.36E-212	8.3E-211	0.380249	chr8_42499201_4249940(	sig	hyper
chr8	4.3E+07	4.3E+07	*	9.612E-52	2.631E-51	0.173378	chr8_43276201_4327640(	sig	hyper
chr8	4.3E+07	4.3E+07	*	5.69E-69	2.019E-68	0.189047	chr8_43277201_4327740(	sig	hyper
chr8	4.4E+07	4.4E+07	*	4.093E-31	7.825E-31	-0.11368	chr8_43551001_4355120(	sig	hypo
chr8	4.6E+07	4.6E+07	*	2.066E-17	2.864E-17	-0.12105	chr8_46029201_4602940(	sig	hypo
chr8	4.6E+07	4.6E+07	*	7.217E-50	1.921E-49	-0.18256	chr8_46105001_4610520(	sig	hypo
chr8	4.6E+07	4.6E+07	*	7.426E-26	1.275E-25	-0.10702	chr8_46207401_4620760(	sig	hypo
chr8	4.6E+07	4.6E+07	*	4.186E-18	5.919E-18	-0.1233	chr8_46207601_4620780(	sig	hypo
chr8	4.6E+07	4.6E+07	*	1.301E-48	3.395E-48	-0.26254	chr8_46219001_4621920(	sig	hypo
chr8	4.6E+07	4.6E+07	*	7.63E-127	5.93E-126	-0.26601	chr8_46407201_4640740(	sig	hypo
chr8	4.7E+07	4.7E+07	*	4.115E-48	1.065E-47	0.14337	chr8_47188601_4718880(	sig	hyper
chr8	4.8E+07	4.8E+07	*	2.94E-122	2.15E-121	0.240133	chr8_47763001_4776320(	sig	hyper
chr8	4.8E+07	4.8E+07	*	1.065E-36	2.274E-36	0.132656	chr8_47763201_4776340(	sig	hyper
chr8	4.8E+07	4.8E+07	*	2.7E-108	1.64E-107	0.207101	chr8_47763401_4776360(	sig	hyper
chr8	4.8E+07	4.8E+07	*	3.01E-160	3.67E-159	-0.34369	chr8_47998001_4799820(	sig	hypo
chr8	4.8E+07	4.8E+07	*	2.906E-81	1.226E-80	0.107263	chr8_48380801_4838100(	sig	hyper
chr8	4.8E+07	4.8E+07	*	2.686E-62	8.661E-62	-0.10647	chr8_48422401_4842260(	sig	hypo
chr8	4.9E+07	4.9E+07	*	1.486E-71	5.463E-71	0.226989	chr8_48581201_4858140(	sig	hyper
chr8	4.9E+07	4.9E+07	*	5.537E-28	9.94E-28	-0.10288	chr8_48659801_4866000(	sig	hypo
chr8	4.9E+07	4.9E+07	*	1.222E-57	3.679E-57	-0.19517	chr8_48683001_4868320(	sig	hypo
chr8	4.9E+07	4.9E+07	*	1.79E-255	7.69E-254	0.279025	chr8_48735001_4873520(	sig	hyper
chr8	4.9E+07	4.9E+07	*	3.28E-166	4.32E-165	0.28116	chr8_48735401_4873560(	sig	hyper

chr8	4.9E+07	4.9E+07	*	3.322E-91	1.611E-90	0.219955	chr8_48735601_4873580(	sig	hyper
chr8	4.9E+07	4.9E+07	*	2.47E-146	2.48E-145	0.361695	chr8_48870401_4887060(	sig	hyper
chr8	4.9E+07	4.9E+07	*	5.909E-83	2.556E-82	0.11929	chr8_48922001_4892220(	sig	hyper
chr8	4.9E+07	4.9E+07	*	0	0	-0.37599	chr8_48923401_4892360(	sig	hypo
chr8	4.9E+07	4.9E+07	*	4.68E-160	5.67E-159	-0.35187	chr8_48923601_4892380(	sig	hypo
chr8	4.9E+07	4.9E+07	*	5.72E-148	5.9E-147	-0.23397	chr8_48976401_4897660(	sig	hypo
chr8	5E+07	5E+07	*	5.522E-43	1.312E-42	-0.10068	chr8_49741201_4974140(	sig	hypo
chr8	5E+07	5E+07	*	3.01E-137	2.67E-136	0.290613	chr8_49909601_4990980(	sig	hyper
chr8	5E+07	5E+07	*	2.49E-149	2.62E-148	0.26648	chr8_49909801_4991000(	sig	hyper
chr8	5E+07	5E+07	*	4.99E-113	3.25E-112	0.253853	chr8_49910401_4991060(	sig	hyper
chr8	5E+07	5E+07	*	4.25E-224	1.21E-222	0.261884	chr8_49910601_4991080(	sig	hyper
chr8	5E+07	5E+07	*	1.77E-150	1.9E-149	0.235375	chr8_49910801_4991100(	sig	hyper
chr8	5E+07	5E+07	*	6.15E-295	4.26E-293	0.321786	chr8_49911601_4991180(	sig	hyper
chr8	5.1E+07	5.1E+07	*	1.318E-36	2.808E-36	-0.10204	chr8_51405001_5140520(	sig	hypo
chr8	5.2E+07	5.2E+07	*	2.58E-142	2.45E-141	0.316213	chr8_51809201_5180940(	sig	hyper
chr8	5.2E+07	5.2E+07	*	6.87E-102	3.82E-101	0.251397	chr8_52099801_5210000(	sig	hyper
chr8	5.2E+07	5.2E+07	*	2.381E-73	8.966E-73	0.246458	chr8_52100001_5210020(	sig	hyper
chr8	5.2E+07	5.2E+07	*	1.118E-37	2.43E-37	0.124272	chr8_52413601_5241380(	sig	hyper
chr8	5.2E+07	5.2E+07	*	2.783E-22	4.381E-22	0.106228	chr8_52413801_5241400(	sig	hyper
chr8	5.2E+07	5.2E+07	*	1.4E-182	2.29E-181	0.341231	chr8_52414001_5241420(	sig	hyper
chr8	5.3E+07	5.3E+07	*	1.214E-92	5.975E-92	0.285828	chr8_52587001_5258720(	sig	hyper
chr8	5.3E+07	5.3E+07	*	5.53E-168	7.47E-167	0.394449	chr8_52939601_5293980(	sig	hyper
chr8	5.3E+07	5.3E+07	*	6.71E-134	5.72E-133	0.377749	chr8_52939801_5294000(	sig	hyper
chr8	5.3E+07	5.3E+07	*	5.09E-225	1.47E-223	0.34384	chr8_52940001_5294020(	sig	hyper
chr8	5.3E+07	5.3E+07	*	7.15E-296	5.02E-294	0.30074	chr8_52941001_5294120(	sig	hyper
chr8	5.4E+07	5.4E+07	*	6.159E-67	2.123E-66	0.178171	chr8_53693201_5369340(	sig	hyper
chr8	5.4E+07	5.4E+07	*	0	0	0.378594	chr8_53877001_5387720(	sig	hyper
chr8	5.4E+07	5.4E+07	*	7.67E-117	5.24E-116	0.252717	chr8_53877801_5387800(	sig	hyper
chr8	5.4E+07	5.4E+07	*	1.778E-53	5.005E-53	0.132862	chr8_53880801_5388100(	sig	hyper
chr8	5.4E+07	5.4E+07	*	2.858E-98	1.521E-97	0.114339	chr8_53881001_5388120(	sig	hyper
chr8	5.4E+07	5.4E+07	*	1.304E-60	4.098E-60	0.137196	chr8_53881601_5388180(	sig	hyper
chr8	5.4E+07	5.4E+07	*	1.214E-19	1.789E-19	0.101548	chr8_54174801_5417500(	sig	hyper
chr8	5.4E+07	5.4E+07	*	8.41E-260	3.78E-258	0.328573	chr8_54454201_5445440(	sig	hyper
chr8	5.4E+07	5.4E+07	*	8.396E-80	3.48E-79	0.22438	chr8_54455001_5445520(	sig	hyper
chr8	5.4E+07	5.4E+07	*	1.39E-124	1.05E-123	0.290255	chr8_54457601_5445780(	sig	hyper
chr8	5.4E+07	5.4E+07	*	1.431E-84	6.33E-84	0.323071	chr8_54457801_5445800(	sig	hyper
chr8	5.4E+07	5.4E+07	*	3.86E-217	1.02E-215	0.398903	chr8_54466401_5446660(	sig	hyper
chr8	5.4E+07	5.4E+07	*	2.81E-217	7.4E-216	0.284987	chr8_54466601_5446680(	sig	hyper
chr8	5.4E+07	5.4E+07	*	9.234E-75	3.555E-74	0.267056	chr8_54467601_5446780(	sig	hyper
chr8	5.4E+07	5.4E+07	*	2.668E-98	1.421E-97	0.293511	chr8_54470001_5447020(	sig	hyper
chr8	5.5E+07	5.5E+07	*	2.425E-84	1.07E-83	0.21706	chr8_55102401_5510260(	sig	hyper
chr8	5.5E+07	5.5E+07	*	4.1E-56	1.205E-55	-0.16492	chr8_55449401_5544960(	sig	hypo
chr8	5.6E+07	5.6E+07	*	9.24E-290	6E-288	0.284348	chr8_55939601_5593980(	sig	hyper
chr8	5.6E+07	5.6E+07	*	9.003E-86	4.042E-85	0.282585	chr8_56113601_5611380(	sig	hyper
chr8	5.6E+07	5.6E+07	*	4.628E-70	1.667E-69	0.307324	chr8_56113801_5611400(	sig	hyper
chr8	5.6E+07	5.6E+07	*	1.291E-89	6.123E-89	0.16469	chr8_56117801_5611800(	sig	hyper
chr8	5.6E+07	5.6E+07	*	9.005E-22	1.402E-21	0.1961	chr8_56118001_5611820(	sig	hyper
chr8	5.6E+07	5.6E+07	*	3.328E-79	1.368E-78	-0.29174	chr8_56320601_5632080(	sig	hypo
chr8	5.6E+07	5.6E+07	*	1.36E-151	1.48E-150	0.313812	chr8_56445401_5644560(	sig	hyper
chr8	5.6E+07	5.6E+07	*	0	0	0.324728	chr8_56445601_5644580(	sig	hyper
chr8	5.6E+07	5.6E+07	*	5.29E-156	6.06E-155	0.33672	chr8_56446001_5644620(	sig	hyper
chr8	5.6E+07	5.6E+07	*	1.91E-55	5.556E-55	0.287286	chr8_56446201_5644640(	sig	hyper
chr8	5.6E+07	5.6E+07	*	4.155E-17	5.711E-17	0.160542	chr8_56446401_5644660(	sig	hyper
chr8	5.6E+07	5.6E+07	*	1.023E-77	4.111E-77	0.254958	chr8_56447201_5644740(	sig	hyper
chr8	5.7E+07	5.7E+07	*	3.34E-103	1.88E-102	0.337659	chr8_57143201_5714340(	sig	hyper
chr8	5.7E+07	5.7E+07	*	1.81E-236	6.03E-235	0.386265	chr8_57143401_5714360(	sig	hyper

chr8	5.7E+07	5.7E+07	*	7.648E-66	2.598E-65	0.270105	chr8_57143601_5714380(	sig	hyper
chr8	5.7E+07	5.7E+07	*	4.701E-62	1.511E-61	-0.23985	chr8_57205201_5720540(	sig	hypo
chr8	5.7E+07	5.7E+07	*	8.51E-27	1.493E-26	0.145256	chr8_57280201_5728040(	sig	hyper
chr8	5.9E+07	5.9E+07	*	3.294E-32	6.435E-32	0.184113	chr8_59120001_5912020(	sig	hyper
chr8	6.1E+07	6.1E+07	*	1.78E-131	1.47E-130	-0.3631	chr8_60876401_6087660(	sig	hypo
chr8	6.1E+07	6.1E+07	*	7.05E-154	7.88E-153	-0.19606	chr8_60908801_6090900(	sig	hypo
chr8	6.1E+07	6.1E+07	*	4.48E-47	1.141E-46	0.151021	chr8_60922401_6092260(	sig	hyper
chr8	6.1E+07	6.1E+07	*	3.633E-49	9.576E-49	0.131485	chr8_61023801_6102400(	sig	hyper
chr8	6.1E+07	6.1E+07	*	5.432E-87	2.481E-86	0.19328	chr8_61287801_6128800(	sig	hyper
chr8	6.4E+07	6.4E+07	*	3.36E-139	3.06E-138	0.277684	chr8_64369601_6436980(	sig	hyper
chr8	6.4E+07	6.4E+07	*	5.09E-168	6.88E-167	0.266691	chr8_64370601_6437080(	sig	hyper
chr8	6.4E+07	6.4E+07	*	6.339E-57	1.886E-56	0.2302	chr8_64371001_6437120(	sig	hyper
chr8	6.4E+07	6.4E+07	*	1.81E-135	1.57E-134	0.284414	chr8_64371401_6437160(	sig	hyper
chr8	6.4E+07	6.4E+07	*	1.29E-112	8.37E-112	0.280118	chr8_64373601_6437380(	sig	hyper
chr8	6.4E+07	6.4E+07	*	2.045E-60	6.413E-60	0.365469	chr8_64374001_6437420(	sig	hyper
chr8	6.4E+07	6.4E+07	*	4.273E-79	1.753E-78	0.219675	chr8_64374401_6437460(	sig	hyper
chr8	6.4E+07	6.4E+07	*	4.19E-134	3.58E-133	0.30739	chr8_64376601_6437680(	sig	hyper
chr8	6.4E+07	6.4E+07	*	9.515E-96	4.91E-95	0.293703	chr8_64379401_6437960(	sig	hyper
chr8	6.4E+07	6.4E+07	*	3.85E-186	6.66E-185	0.269268	chr8_64379601_6437980(	sig	hyper
chr8	6.4E+07	6.4E+07	*	1.614E-84	7.134E-84	0.20234	chr8_64382001_6438220(	sig	hyper
chr8	6.5E+07	6.5E+07	*	5.14E-168	6.94E-167	0.23637	chr8_64575601_6457580(	sig	hyper
chr8	6.5E+07	6.5E+07	*	1.49E-119	1.05E-118	0.30934	chr8_64576001_6457620(	sig	hyper
chr8	6.5E+07	6.5E+07	*	9.95E-76	3.886E-75	0.231533	chr8_64576401_6457660(	sig	hyper
chr8	6.5E+07	6.5E+07	*	1.134E-92	5.587E-92	0.216925	chr8_64577001_6457720(	sig	hyper
chr8	6.5E+07	6.5E+07	*	1.38E-124	1.04E-123	0.224961	chr8_64577201_6457740(	sig	hyper
chr8	6.5E+07	6.5E+07	*	4.066E-54	1.159E-53	0.216536	chr8_64578001_6457820(	sig	hyper
chr8	6.5E+07	6.5E+07	*	3.36E-240	1.19E-238	0.296649	chr8_64578601_6457880(	sig	hyper
chr8	6.5E+07	6.5E+07	*	3.03E-210	7.24E-209	0.37072	chr8_64586201_6458640(	sig	hyper
chr8	6.5E+07	6.5E+07	*	2.73E-125	2.07E-124	0.227518	chr8_64586401_6458660(	sig	hyper
chr8	6.5E+07	6.5E+07	*	4.68E-191	8.69E-190	0.304191	chr8_64587201_6458740(	sig	hyper
chr8	6.5E+07	6.5E+07	*	7.55E-187	1.33E-185	0.360822	chr8_64798201_6479840(	sig	hyper
chr8	6.5E+07	6.5E+07	*	2.45E-120	1.75E-119	0.282049	chr8_64798601_6479880(	sig	hyper
chr8	6.5E+07	6.5E+07	*	5.059E-62	1.625E-61	0.241287	chr8_64799001_6479920(	sig	hyper
chr8	6.6E+07	6.6E+07	*	1.611E-76	6.368E-76	0.109501	chr8_65560601_6556080(	sig	hyper
chr8	6.6E+07	6.6E+07	*	1.145E-41	2.663E-41	0.126598	chr8_66177601_6617780(	sig	hyper
chr8	6.6E+07	6.6E+07	*	1.653E-88	7.738E-88	0.246414	chr8_66178001_6617820(	sig	hyper
chr8	6.6E+07	6.6E+07	*	0	0	0.333458	chr8_66432201_6643240(	sig	hyper
chr8	6.7E+07	6.7E+07	*	5.19E-130	4.19E-129	0.302136	chr8_66961001_6696120(	sig	hyper
chr8	6.7E+07	6.7E+07	*	2.75E-143	2.65E-142	0.276767	chr8_66961201_6696140(	sig	hyper
chr8	6.7E+07	6.7E+07	*	1.89E-166	2.5E-165	0.430586	chr8_66961801_6696200(	sig	hyper
chr8	6.7E+07	6.7E+07	*	0	0	0.345551	chr8_66962001_6696220(	sig	hyper
chr8	6.7E+07	6.7E+07	*	2.12E-244	7.94E-243	0.308742	chr8_66963001_6696320(	sig	hyper
chr8	6.7E+07	6.7E+07	*	3.57E-256	1.55E-254	0.347473	chr8_66963201_6696340(	sig	hyper
chr8	6.7E+07	6.7E+07	*	2.86E-59	8.807E-59	0.123574	chr8_67028601_6702880(	sig	hyper
chr8	6.8E+07	6.8E+07	*	7.9E-146	7.87E-145	0.318907	chr8_67952201_6795240(	sig	hyper
chr8	6.8E+07	6.8E+07	*	0	0	0.336942	chr8_68330601_6833080(	sig	hyper
chr8	6.8E+07	6.8E+07	*	1.55E-169	2.15E-168	0.382148	chr8_68331201_6833140(	sig	hyper
chr8	6.8E+07	6.8E+07	*	1.24E-183	2.06E-182	0.301385	chr8_68331601_6833180(	sig	hyper
chr8	6.9E+07	6.9E+07	*	5.64E-24	9.258E-24	-0.11266	chr8_69334201_6933440(	sig	hypo
chr8	6.9E+07	6.9E+07	*	4.682E-14	5.89E-14	-0.10876	chr8_69334401_6933460(	sig	hypo
chr8	7E+07	7E+07	*	6.027E-60	1.876E-59	0.224861	chr8_70069801_7007000(	sig	hyper
chr8	7E+07	7E+07	*	0	0	0.334835	chr8_70070601_7007080(	sig	hyper
chr8	7E+07	7E+07	*	1.119E-61	3.579E-61	0.269777	chr8_70072001_7007220(	sig	hyper
chr8	7E+07	7E+07	*	4.491E-68	1.572E-67	0.250487	chr8_70072601_7007280(	sig	hyper
chr8	7.2E+07	7.2E+07	*	2.243E-27	3.984E-27	0.139982	chr8_71547201_7154740(	sig	hyper
chr8	7.2E+07	7.2E+07	*	2.44E-154	2.74E-153	0.319164	chr8_71556201_7155640(	sig	hyper

chr8	7.2E+07	7.2E+07	*	1.48E-140	1.38E-139	0.238472	chr8_71558001_7155820(	sig	hyper
chr8	7.2E+07	7.2E+07	*	6.312E-83	2.73E-82	0.275851	chr8_71558201_7155840(	sig	hyper
chr8	7.2E+07	7.2E+07	*	2.05E-176	3.1E-175	0.275976	chr8_71558401_7155860(	sig	hyper
chr8	7.2E+07	7.2E+07	*	6.851E-84	2.998E-83	0.262344	chr8_71558601_7155880(	sig	hyper
chr8	7.2E+07	7.2E+07	*	4.81E-229	1.45E-227	0.29306	chr8_71558801_7155900(	sig	hyper
chr8	7.2E+07	7.2E+07	*	0	0	0.349975	chr8_71842601_7184280(	sig	hyper
chr8	7.2E+07	7.2E+07	*	1.52E-128	1.21E-127	0.281095	chr8_71842801_7184300(	sig	hyper
chr8	7.2E+07	7.2E+07	*	1.37E-130	1.11E-129	0.279438	chr8_71843401_7184360(	sig	hyper
chr8	7.2E+07	7.2E+07	*	3.77E-108	2.29E-107	0.28299	chr8_71844401_7184460(	sig	hyper
chr8	7.2E+07	7.2E+07	*	8.97E-171	1.27E-169	0.308351	chr8_71844601_7184480(	sig	hyper
chr8	7.2E+07	7.2E+07	*	3.964E-41	9.127E-41	0.16271	chr8_71845401_7184560(	sig	hyper
chr8	7.2E+07	7.2E+07	*	8.45E-267	4.21E-265	0.157638	chr8_72075601_7207580(	sig	hyper
chr8	7.2E+07	7.2E+07	*	9.04E-159	1.07E-157	0.263164	chr8_72251601_7225180(	sig	hyper
chr8	7.3E+07	7.3E+07	*	3.93E-118	2.72E-117	0.151453	chr8_72536401_7253660(	sig	hyper
chr8	7.3E+07	7.3E+07	*	6.658E-26	1.145E-25	-0.13449	chr8_73297201_7329740(	sig	hypo
chr8	7.5E+07	7.5E+07	*	1.9E-134	1.63E-133	0.245372	chr8_74984801_7498500(	sig	hyper
chr8	7.5E+07	7.5E+07	*	7.83E-144	7.6E-143	0.296079	chr8_74985001_7498520(	sig	hyper
chr8	7.7E+07	7.7E+07	*	5.164E-79	2.115E-78	0.195338	chr8_76681001_7668120(	sig	hyper
chr8	7.7E+07	7.7E+07	*	6.28E-295	4.34E-293	0.343595	chr8_76683001_7668320(	sig	hyper
chr8	7.7E+07	7.7E+07	*	1.19E-107	7.18E-107	0.239108	chr8_76683801_7668400(	sig	hyper
chr8	7.9E+07	7.9E+07	*	1.752E-83	7.627E-83	0.179934	chr8_78516201_7851640(	sig	hyper
chr8	7.9E+07	7.9E+07	*	5.121E-63	1.668E-62	0.239235	chr8_78762201_7876240(	sig	hyper
chr8	8E+07	8E+07	*	2.45E-129	1.96E-128	0.293495	chr8_79611001_7961120(	sig	hyper
chr8	8E+07	8E+07	*	3.983E-25	6.715E-25	-0.13535	chr8_79769001_7976920(	sig	hypo
chr8	8.1E+07	8.1E+07	*	1.949E-54	5.577E-54	0.109593	chr8_80687201_8068740(	sig	hyper
chr8	8.2E+07	8.2E+07	*	5.301E-39	1.178E-38	-0.18796	chr8_81630401_8163060(	sig	hypo
chr8	8.2E+07	8.2E+07	*	1.667E-30	3.148E-30	-0.10812	chr8_81630601_8163080(	sig	hypo
chr8	8.4E+07	8.4E+07	*	2.92E-48	7.579E-48	-0.11006	chr8_83694201_8369440(	sig	hypo
chr8	8.4E+07	8.4E+07	*	9.97E-202	2.15E-200	0.347341	chr8_84182401_8418260(	sig	hyper
chr8	8.4E+07	8.4E+07	*	7.47E-215	1.91E-213	0.285609	chr8_84182601_8418280(	sig	hyper
chr8	8.4E+07	8.4E+07	*	4.8E-82	2.049E-81	0.422141	chr8_84183401_8418360(	sig	hyper
chr8	8.4E+07	8.4E+07	*	2.743E-81	1.158E-80	0.287274	chr8_84183801_8418400(	sig	hyper
chr8	8.4E+07	8.4E+07	*	2.69E-170	3.76E-169	0.321519	chr8_84184801_8418500(	sig	hyper
chr8	8.5E+07	8.5E+07	*	3.46E-117	2.38E-116	0.250157	chr8_85438001_8543820(	sig	hyper
chr8	8.5E+07	8.5E+07	*	5.484E-28	9.846E-28	0.133656	chr8_85438201_8543840(	sig	hyper
chr8	8.5E+07	8.5E+07	*	2.561E-55	7.435E-55	0.238552	chr8_85438801_8543900(	sig	hyper
chr8	8.8E+07	8.8E+07	*	1.24E-205	2.78E-204	0.313834	chr8_88326801_8832700(	sig	hyper
chr8	8.8E+07	8.8E+07	*	1.54E-93	7.694E-93	0.302382	chr8_88328001_8832820(	sig	hyper
chr8	8.8E+07	8.8E+07	*	8.02E-149	8.38E-148	0.260192	chr8_88328201_8832840(	sig	hyper
chr8	9E+07	9E+07	*	1.468E-25	2.502E-25	0.103763	chr8_90082601_9008280(	sig	hyper
chr8	9E+07	9E+07	*	8.887E-63	2.883E-62	0.150027	chr8_90082801_9008300(	sig	hyper
chr8	9.1E+07	9.1E+07	*	8.933E-67	3.071E-66	0.288796	chr8_90791401_9079160(	sig	hyper
chr8	9.1E+07	9.1E+07	*	4.49E-160	5.45E-159	0.278594	chr8_90791801_9079200(	sig	hyper
chr8	9.2E+07	9.2E+07	*	6.44E-86	2.899E-85	0.199288	chr8_92102401_9210260(	sig	hyper
chr8	9.2E+07	9.2E+07	*	3.42E-128	2.7E-127	0.155795	chr8_92102601_9210280(	sig	hyper
chr8	9.2E+07	9.2E+07	*	2.775E-43	6.627E-43	0.110705	chr8_92103601_9210380(	sig	hyper
chr8	9.3E+07	9.3E+07	*	1.904E-43	4.556E-43	0.205448	chr8_93496001_9349620(	sig	hyper
chr8	9.4E+07	9.4E+07	*	4.619E-62	1.485E-61	0.197727	chr8_93699801_9370000(	sig	hyper
chr8	9.4E+07	9.4E+07	*	1E-56	2.967E-56	0.236293	chr8_93701201_9370140(	sig	hyper
chr8	9.6E+07	9.6E+07	*	1.142E-13	1.419E-13	0.102732	chr8_96157401_9615760(	sig	hyper
chr8	9.6E+07	9.6E+07	*	2.678E-78	1.085E-77	0.183528	chr8_96157601_9615780(	sig	hyper
chr8	9.6E+07	9.6E+07	*	1.82E-88	8.512E-88	0.293699	chr8_96159001_9615920(	sig	hyper
chr8	9.6E+07	9.6E+07	*	1.55E-132	1.3E-131	0.312655	chr8_96159401_9615960(	sig	hyper
chr8	9.6E+07	9.6E+07	*	0	0	0.353867	chr8_96159601_9615980(	sig	hyper
chr8	9.6E+07	9.6E+07	*	1.04E-137	9.33E-137	0.280932	chr8_96160201_9616040(	sig	hyper
chr8	9.6E+07	9.6E+07	*	1.8E-123	1.34E-122	0.280896	chr8_96160601_9616080(	sig	hyper

chr8	9.6E+07	9.6E+07	*	2.67E-108	1.62E-107	0.221082	chr8_96161401_9616160(	sig	hyper
chr8	9.6E+07	9.6E+07	*	1.175E-86	5.345E-86	0.161323	chr8_96493401_9649360(	sig	hyper
chr8	9.6E+07	9.6E+07	*	4.454E-70	1.605E-69	0.177462	chr8_96493801_9649400(	sig	hyper
chr8	9.6E+07	9.6E+07	*	1.31E-106	7.77E-106	0.238634	chr8_96495201_9649540(	sig	hyper
chr8	9.6E+07	9.6E+07	*	2.61E-109	1.61E-108	0.202602	chr8_96495401_9649560(	sig	hyper
chr8	9.7E+07	9.7E+07	*	2.18E-147	2.22E-146	0.263987	chr8_97278001_9727820(	sig	hyper
chr8	9.8E+07	9.8E+07	*	1.305E-42	3.084E-42	-0.17141	chr8_97598201_9759840(	sig	hypo
chr8	9.9E+07	9.9E+07	*	3.369E-77	1.345E-76	0.208232	chr8_98939401_9893960(	sig	hyper
chr8	9.9E+07	9.9E+07	*	6.359E-62	2.041E-61	0.163037	chr8_98939801_9894000(	sig	hyper
chr8	9.9E+07	9.9E+07	*	5.033E-26	8.676E-26	0.102258	chr8_98947201_9894740(	sig	hyper
chr8	9.9E+07	9.9E+07	*	7.976E-59	2.441E-58	0.150361	chr8_98948201_9894840(	sig	hyper
chr8	9.9E+07	9.9E+07	*	1.275E-96	6.648E-96	0.204222	chr8_98948401_9894860(	sig	hyper
chr8	9.9E+07	9.9E+07	*	2.44E-169	3.36E-168	0.244719	chr8_98948601_9894880(	sig	hyper
chr8	9.9E+07	9.9E+07	*	5.351E-67	1.846E-66	0.241394	chr8_98949201_9894940(	sig	hyper
chr8	9.9E+07	9.9E+07	*	1.354E-38	2.989E-38	0.183769	chr8_98949401_9894960(	sig	hyper
chr8	9.9E+07	9.9E+07	*	9.998E-90	4.747E-89	0.260072	chr8_98949601_9894980(	sig	hyper
chr8	1E+08	1E+08	*	4.299E-14	5.416E-14	0.10604	chr8_100105601_100105(	sig	hyper
chr8	1E+08	1E+08	*	1.78E-52	4.928E-52	0.230494	chr8_100105801_100106(	sig	hyper
chr8	1E+08	1E+08	*	3.15E-106	1.86E-105	0.370551	chr8_100106201_100106(	sig	hyper
chr8	1E+08	1E+08	*	2.379E-27	4.222E-27	-0.14029	chr8_100860201_100860(	sig	hypo
chr8	1E+08	1E+08	*	2.178E-47	5.576E-47	0.167778	chr8_101438601_101438(	sig	hyper
chr8	1E+08	1E+08	*	1.44E-113	9.47E-113	-0.2275	chr8_101491601_101491(	sig	hypo
chr8	1E+08	1E+08	*	3.336E-84	1.466E-83	-0.2547	chr8_101493201_101493(	sig	hypo
chr8	1E+08	1E+08	*	1.484E-46	3.741E-46	0.220097	chr8_102123201_102123(	sig	hyper
chr8	1E+08	1E+08	*	1.68E-83	7.318E-83	0.341815	chr8_103140401_103140(	sig	hyper
chr8	1E+08	1E+08	*	2.677E-27	4.747E-27	0.122853	chr8_103498801_103499(	sig	hyper
chr8	1E+08	1E+08	*	1.311E-35	2.739E-35	0.136091	chr8_103499001_103499(	sig	hyper
chr8	1E+08	1E+08	*	2.77E-170	3.85E-169	0.245671	chr8_103500801_103501(	sig	hyper
chr8	1E+08	1E+08	*	4.82E-102	2.69E-101	0.335624	chr8_104466401_104466(	sig	hyper
chr8	1E+08	1E+08	*	6.02E-145	5.92E-144	0.264758	chr8_104467001_104467(	sig	hyper
chr8	1.1E+08	1.1E+08	*	1.05E-184	1.79E-183	0.206565	chr8_105319801_105320(	sig	hyper
chr8	1.1E+08	1.1E+08	*	1.078E-63	3.555E-63	-0.11819	chr8_106215601_106215(	sig	hypo
chr8	1.1E+08	1.1E+08	*	2.305E-74	8.824E-74	0.242807	chr8_106271801_106272(	sig	hyper
chr8	1.1E+08	1.1E+08	*	1.62E-57	4.868E-57	0.210741	chr8_108082001_108082(	sig	hyper
chr8	1.1E+08	1.1E+08	*	2.47E-222	6.87E-221	0.262809	chr8_108082201_108082(	sig	hyper
chr8	1.1E+08	1.1E+08	*	0	0	0.341683	chr8_108083001_108083(	sig	hyper
chr8	1.1E+08	1.1E+08	*	2.06E-229	6.22E-228	0.282693	chr8_108083601_108083(	sig	hyper
chr8	1.1E+08	1.1E+08	*	1.678E-41	3.892E-41	-0.19547	chr8_108131401_108131(	sig	hypo
chr8	1.1E+08	1.1E+08	*	2.769E-30	5.205E-30	-0.15006	chr8_108131601_108131(	sig	hypo
chr8	1.1E+08	1.1E+08	*	6.18E-195	1.21E-193	0.167059	chr8_108787201_108787(	sig	hyper
chr8	1.1E+08	1.1E+08	*	2.915E-74	1.113E-73	0.132995	chr8_108787401_108787(	sig	hyper
chr8	1.1E+08	1.1E+08	*	1.504E-32	2.96E-32	0.122548	chr8_109692001_109692(	sig	hyper
chr8	1.1E+08	1.1E+08	*	1.917E-51	5.219E-51	-0.14117	chr8_111624201_111624(	sig	hypo
chr8	1.1E+08	1.1E+08	*	2.4E-199	5.03E-198	0.31275	chr8_113432801_113433(	sig	hyper
chr8	1.2E+08	1.2E+08	*	2.98E-303	2.27E-301	0.341482	chr8_115648401_115648(	sig	hyper
chr8	1.2E+08	1.2E+08	*	4.97E-149	5.22E-148	0.29861	chr8_115667401_115667(	sig	hyper
chr8	1.2E+08	1.2E+08	*	0	0	0.328418	chr8_118074401_118074(	sig	hyper
chr8	1.2E+08	1.2E+08	*	1.029E-39	2.312E-39	-0.11342	chr8_119208801_119209(	sig	hypo
chr8	1.2E+08	1.2E+08	*	1.626E-20	2.453E-20	0.109709	chr8_119672601_119672(	sig	hyper
chr8	1.2E+08	1.2E+08	*	2.476E-92	1.214E-91	0.183145	chr8_119672801_119673(	sig	hyper
chr8	1.2E+08	1.2E+08	*	4.515E-78	1.824E-77	0.224139	chr8_119673001_119673(	sig	hyper
chr8	1.2E+08	1.2E+08	*	3.72E-251	1.51E-249	0.25972	chr8_120125201_120125(	sig	hyper
chr8	1.2E+08	1.2E+08	*	3.149E-45	7.755E-45	0.207229	chr8_120125401_120125(	sig	hyper
chr8	1.2E+08	1.2E+08	*	2.217E-19	3.247E-19	-0.11218	chr8_120812601_120812(	sig	hypo
chr8	1.2E+08	1.2E+08	*	3.899E-43	9.29E-43	-0.13567	chr8_123182801_123183(	sig	hypo
chr8	1.2E+08	1.2E+08	*	7.947E-76	3.108E-75	0.297375	chr8_123207201_123207(	sig	hyper

chr8	1.2E+08	1.2E+08	*	1.506E-21	2.33E-21	-0.13134	chr8_124729001_124729	sig	hypo
chr8	1.3E+08	1.3E+08	*	5.22E-197	1.05E-195	-0.28904	chr8_127740601_127740	sig	hypo
chr8	1.3E+08	1.3E+08	*	6.149E-24	1.009E-23	0.145134	chr8_130443001_130443	sig	hyper
chr8	1.3E+08	1.3E+08	*	2.93E-194	5.67E-193	0.335244	chr8_131041401_131041	sig	hyper
chr8	1.3E+08	1.3E+08	*	1.45E-133	1.23E-132	0.357498	chr8_131042401_131042	sig	hyper
chr8	1.3E+08	1.3E+08	*	6.526E-21	9.945E-21	-0.13093	chr8_131903401_131903	sig	hypo
chr8	1.3E+08	1.3E+08	*	3.636E-50	9.72E-50	0.175228	chr8_133237401_133237	sig	hyper
chr8	1.3E+08	1.3E+08	*	2.297E-20	3.453E-20	0.165646	chr8_133407001_133407	sig	hyper
chr8	1.3E+08	1.3E+08	*	2.827E-49	7.465E-49	0.107054	chr8_133570201_133570	sig	hyper
chr8	1.3E+08	1.3E+08	*	1.33E-103	7.56E-103	0.122515	chr8_133570801_133571	sig	hyper
chr8	1.4E+08	1.4E+08	*	2.83E-150	3.04E-149	0.32833	chr8_138496401_138496	sig	hyper
chr8	1.4E+08	1.4E+08	*	2.975E-42	6.986E-42	0.146752	chr8_138914401_138914	sig	hyper
chr8	1.4E+08	1.4E+08	*	6.95E-18	9.769E-18	-0.10277	chr8_139630201_139630	sig	hypo
chr8	1.4E+08	1.4E+08	*	2.492E-28	4.502E-28	0.100014	chr8_139630801_139631	sig	hyper
chr8	1.4E+08	1.4E+08	*	1.18E-109	7.3E-109	0.201882	chr8_139702601_139702	sig	hyper
chr8	1.4E+08	1.4E+08	*	1.55E-122	1.14E-121	0.19335	chr8_139702801_139703	sig	hyper
chr8	1.4E+08	1.4E+08	*	2.22E-242	8.1E-241	0.389868	chr8_139703401_139703	sig	hyper
chr8	1.4E+08	1.4E+08	*	4.43E-44	1.072E-43	0.126828	chr8_139705001_139705	sig	hyper
chr8	1.4E+08	1.4E+08	*	2.459E-41	5.686E-41	0.227545	chr8_139814201_139814	sig	hyper
chr8	1.4E+08	1.4E+08	*	5.989E-90	2.854E-89	0.198566	chr8_140098801_140099	sig	hyper
chr8	1.4E+08	1.4E+08	*	2.597E-78	1.053E-77	0.190225	chr8_140100001_140100	sig	hyper
chr8	1.4E+08	1.4E+08	*	5.795E-55	1.671E-54	0.169275	chr8_140100801_140101	sig	hyper
chr8	1.4E+08	1.4E+08	*	9.29E-31	1.763E-30	-0.1103	chr8_140239401_140239	sig	hypo
chr8	1.4E+08	1.4E+08	*	5.21E-29	9.546E-29	0.123625	chr8_140349401_140349	sig	hyper
chr8	1.4E+08	1.4E+08	*	3.218E-36	6.805E-36	0.132742	chr8_140349601_140349	sig	hyper
chr8	1.4E+08	1.4E+08	*	7.858E-69	2.781E-68	0.215958	chr8_140360001_140360	sig	hyper
chr8	1.4E+08	1.4E+08	*	3.17E-163	4.01E-162	0.313414	chr8_140527801_140528	sig	hyper
chr8	1.4E+08	1.4E+08	*	1.416E-81	6.001E-81	0.164427	chr8_140549401_140549	sig	hyper
chr8	1.4E+08	1.4E+08	*	5.248E-69	1.863E-68	0.211797	chr8_140549601_140549	sig	hyper
chr8	1.4E+08	1.4E+08	*	3.666E-26	6.339E-26	-0.16987	chr8_140558401_140558	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.184E-23	1.931E-23	0.131714	chr8_140578001_140578	sig	hyper
chr8	1.4E+08	1.4E+08	*	2.946E-40	6.695E-40	0.112808	chr8_140589001_140589	sig	hyper
chr8	1.4E+08	1.4E+08	*	5.64E-210	1.34E-208	0.328962	chr8_140609201_140609	sig	hyper
chr8	1.4E+08	1.4E+08	*	1.537E-63	5.06E-63	-0.12677	chr8_141085001_141085	sig	hypo
chr8	1.4E+08	1.4E+08	*	3.218E-16	4.314E-16	-0.13633	chr8_141085201_141085	sig	hypo
chr8	1.4E+08	1.4E+08	*	9.83E-118	6.79E-117	0.310872	chr8_141141001_141141	sig	hyper
chr8	1.4E+08	1.4E+08	*	0	0	0.372666	chr8_141147001_141147	sig	hyper
chr8	1.4E+08	1.4E+08	*	9.316E-59	2.848E-58	0.201015	chr8_141170001_141170	sig	hyper
chr8	1.4E+08	1.4E+08	*	9.81E-150	1.04E-148	0.275615	chr8_141170201_141170	sig	hyper
chr8	1.4E+08	1.4E+08	*	4.69E-118	3.25E-117	-0.36134	chr8_141207201_141207	sig	hypo
chr8	1.4E+08	1.4E+08	*	3.827E-46	9.57E-46	-0.16316	chr8_141223201_141223	sig	hypo
chr8	1.4E+08	1.4E+08	*	9.45E-165	1.22E-163	-0.5213	chr8_141230801_141231	sig	hypo
chr8	1.4E+08	1.4E+08	*	4.299E-54	1.224E-53	-0.21522	chr8_141235401_141235	sig	hypo
chr8	1.4E+08	1.4E+08	*	2.061E-59	6.357E-59	0.155476	chr8_141254601_141254	sig	hyper
chr8	1.4E+08	1.4E+08	*	8.683E-48	2.235E-47	-0.14007	chr8_141282601_141282	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.117E-33	2.247E-33	-0.13427	chr8_141287401_141287	sig	hypo
chr8	1.4E+08	1.4E+08	*	3.3E-245	1.26E-243	0.288896	chr8_141299401_141299	sig	hyper
chr8	1.4E+08	1.4E+08	*	3.603E-12	4.245E-12	-0.10552	chr8_141356601_141356	sig	hypo
chr8	1.4E+08	1.4E+08	*	4.54E-184	7.61E-183	0.265081	chr8_141358201_141358	sig	hyper
chr8	1.4E+08	1.4E+08	*	8.63E-124	6.43E-123	-0.33131	chr8_141388201_141388	sig	hypo
chr8	1.4E+08	1.4E+08	*	2.301E-21	3.543E-21	-0.10081	chr8_141442201_141442	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.949E-38	4.288E-38	-0.21703	chr8_141622401_141622	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.469E-28	2.667E-28	-0.12059	chr8_141643801_141644	sig	hypo
chr8	1.4E+08	1.4E+08	*	4.045E-43	9.633E-43	0.171854	chr8_141723801_141724	sig	hyper
chr8	1.4E+08	1.4E+08	*	2.303E-78	9.342E-78	0.263769	chr8_141724001_141724	sig	hyper
chr8	1.4E+08	1.4E+08	*	4.878E-54	1.388E-53	-0.17719	chr8_141760601_141760	sig	hypo

chr8	1.4E+08	1.4E+08	*	1.051E-28	1.914E-28	0.111877	chr8_141900201_141900	sig	hyper
chr8	1.4E+08	1.4E+08	*	1.245E-31	2.405E-31	-0.11499	chr8_141903001_141903	sig	hypo
chr8	1.4E+08	1.4E+08	*	3.47E-146	3.48E-145	-0.31118	chr8_141903201_141903	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.875E-35	3.911E-35	-0.21347	chr8_141945201_141945	sig	hypo
chr8	1.4E+08	1.4E+08	*	4.32E-160	5.25E-159	-0.22523	chr8_141974001_141974	sig	hypo
chr8	1.4E+08	1.4E+08	*	3.778E-35	7.83E-35	-0.12628	chr8_142153201_142153	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.04E-170	1.47E-169	-0.27347	chr8_142173001_142173	sig	hypo
chr8	1.4E+08	1.4E+08	*	7.677E-53	2.139E-52	-0.13746	chr8_142173201_142173	sig	hypo
chr8	1.4E+08	1.4E+08	*	4.422E-47	1.126E-46	-0.16805	chr8_142174001_142174	sig	hypo
chr8	1.4E+08	1.4E+08	*	9.294E-22	1.446E-21	-0.13367	chr8_142180601_142180	sig	hypo
chr8	1.4E+08	1.4E+08	*	8.125E-19	1.173E-18	0.155169	chr8_142198401_142198	sig	hyper
chr8	1.4E+08	1.4E+08	*	2.12E-32	4.159E-32	0.152538	chr8_142243201_142243	sig	hyper
chr8	1.4E+08	1.4E+08	*	9.35E-22	1.455E-21	0.117592	chr8_142250401_142250	sig	hyper
chr8	1.4E+08	1.4E+08	*	1.242E-53	3.508E-53	-0.21141	chr8_142335201_142335	sig	hypo
chr8	1.4E+08	1.4E+08	*	2.234E-25	3.789E-25	0.113293	chr8_142356401_142356	sig	hyper
chr8	1.4E+08	1.4E+08	*	1.52E-13	1.882E-13	-0.11819	chr8_142430001_142430	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.014E-46	2.564E-46	-0.20462	chr8_142454001_142454	sig	hypo
chr8	1.4E+08	1.4E+08	*	4.33E-127	3.38E-126	-0.27927	chr8_142454201_142454	sig	hypo
chr8	1.4E+08	1.4E+08	*	7.045E-35	1.453E-34	-0.15448	chr8_142454401_142454	sig	hypo
chr8	1.4E+08	1.4E+08	*	5.22E-234	1.68E-232	0.342982	chr8_142464401_142464	sig	hyper
chr8	1.4E+08	1.4E+08	*	2.094E-92	1.027E-91	-0.22968	chr8_142465401_142465	sig	hypo
chr8	1.4E+08	1.4E+08	*	7.644E-32	1.482E-31	-0.14139	chr8_142489401_142489	sig	hypo
chr8	1.4E+08	1.4E+08	*	7.415E-28	1.328E-27	-0.12644	chr8_142501001_142501	sig	hypo
chr8	1.4E+08	1.4E+08	*	7.82E-102	4.35E-101	0.258751	chr8_142510201_142510	sig	hyper
chr8	1.4E+08	1.4E+08	*	2.56E-166	3.37E-165	0.300157	chr8_142510401_142510	sig	hyper
chr8	1.4E+08	1.4E+08	*	9.475E-92	4.619E-91	-0.24334	chr8_142563201_142563	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.66E-112	1.07E-111	-0.2723	chr8_142563601_142563	sig	hypo
chr8	1.4E+08	1.4E+08	*	3.795E-30	7.119E-30	-0.1385	chr8_142564001_142564	sig	hypo
chr8	1.4E+08	1.4E+08	*	7.191E-49	1.886E-48	-0.22447	chr8_142567201_142567	sig	hypo
chr8	1.4E+08	1.4E+08	*	3.15E-57	9.432E-57	-0.24579	chr8_142612801_142613	sig	hypo
chr8	1.4E+08	1.4E+08	*	2.232E-69	7.959E-69	0.164148	chr8_142614001_142614	sig	hyper
chr8	1.4E+08	1.4E+08	*	1.882E-47	4.819E-47	0.191465	chr8_142668801_142669	sig	hyper
chr8	1.4E+08	1.4E+08	*	1.812E-17	2.516E-17	-0.14424	chr8_142680201_142680	sig	hypo
chr8	1.4E+08	1.4E+08	*	4.816E-68	1.684E-67	-0.23997	chr8_142681801_142682	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.28E-107	7.73E-107	-0.21205	chr8_142682001_142682	sig	hypo
chr8	1.4E+08	1.4E+08	*	5.226E-64	1.733E-63	0.214637	chr8_142700201_142700	sig	hyper
chr8	1.4E+08	1.4E+08	*	0	0	0.268259	chr8_142777001_142777	sig	hyper
chr8	1.4E+08	1.4E+08	*	5.14E-55	1.484E-54	0.147953	chr8_142777801_142778	sig	hyper
chr8	1.4E+08	1.4E+08	*	9.607E-44	2.312E-43	-0.20177	chr8_142786601_142786	sig	hypo
chr8	1.4E+08	1.4E+08	*	2.376E-23	3.844E-23	-0.11163	chr8_142787801_142788	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.511E-64	5.04E-64	-0.23295	chr8_142917601_142917	sig	hypo
chr8	1.4E+08	1.4E+08	*	3.07E-25	5.187E-25	0.129679	chr8_143125601_143125	sig	hyper
chr8	1.4E+08	1.4E+08	*	3.233E-32	6.318E-32	-0.1137	chr8_143132001_143132	sig	hypo
chr8	1.4E+08	1.4E+08	*	7.48E-149	7.81E-148	-0.32179	chr8_143155001_143155	sig	hypo
chr8	1.4E+08	1.4E+08	*	5.26E-103	2.96E-102	-0.30768	chr8_143173401_143173	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.198E-33	2.409E-33	-0.10892	chr8_143181601_143181	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.345E-09	1.43E-09	0.102726	chr8_143186201_143186	sig	hyper
chr8	1.4E+08	1.4E+08	*	2.139E-32	4.195E-32	-0.20238	chr8_143187001_143187	sig	hypo
chr8	1.4E+08	1.4E+08	*	6.897E-84	3.018E-83	0.151282	chr8_143197201_143197	sig	hyper
chr8	1.4E+08	1.4E+08	*	1.587E-31	3.056E-31	-0.12058	chr8_143215001_143215	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.838E-28	3.331E-28	-0.17534	chr8_143228801_143229	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.782E-17	2.475E-17	0.117128	chr8_143245801_143246	sig	hyper
chr8	1.4E+08	1.4E+08	*	5.22E-99	2.798E-98	-0.29352	chr8_143272801_143273	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.65E-08	1.669E-08	-0.10457	chr8_143282001_143282	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.596E-39	3.578E-39	-0.17934	chr8_143283801_143284	sig	hypo
chr8	1.4E+08	1.4E+08	*	2.522E-30	4.745E-30	-0.11354	chr8_143285001_143285	sig	hypo

chr8	1.4E+08	1.4E+08	*	1.217E-26	2.127E-26	-0.15777	chr8_143285201_143285	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.943E-20	2.924E-20	-0.16751	chr8_143289201_143289	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.02E-49	2.708E-49	-0.15047	chr8_143289801_143290	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.704E-16	2.304E-16	-0.12142	chr8_143326201_143326	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.046E-19	1.545E-19	-0.14339	chr8_143326401_143326	sig	hypo
chr8	1.4E+08	1.4E+08	*	5.815E-98	3.088E-97	-0.14751	chr8_143369401_143369	sig	hypo
chr8	1.4E+08	1.4E+08	*	7.204E-69	2.551E-68	-0.25913	chr8_143417601_143417	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.835E-22	2.904E-22	0.117156	chr8_143421201_143421	sig	hyper
chr8	1.4E+08	1.4E+08	*	2.379E-47	6.084E-47	0.129179	chr8_143427001_143427	sig	hyper
chr8	1.4E+08	1.4E+08	*	6.481E-24	1.062E-23	0.13303	chr8_143427401_143427	sig	hyper
chr8	1.4E+08	1.4E+08	*	7.701E-59	2.357E-58	0.145885	chr8_143428001_143428	sig	hyper
chr8	1.4E+08	1.4E+08	*	2.15E-146	2.17E-145	0.135681	chr8_143429001_143429	sig	hyper
chr8	1.4E+08	1.4E+08	*	1.1E-150	1.19E-149	0.153487	chr8_143429801_143430	sig	hyper
chr8	1.4E+08	1.4E+08	*	4.707E-08	4.658E-08	0.103547	chr8_143435401_143435	sig	hyper
chr8	1.4E+08	1.4E+08	*	3.203E-37	6.91E-37	-0.1074	chr8_143461201_143461	sig	hypo
chr8	1.4E+08	1.4E+08	*	2.166E-21	3.338E-21	-0.10077	chr8_143461601_143461	sig	hypo
chr8	1.4E+08	1.4E+08	*	2.953E-58	8.954E-58	0.158553	chr8_143489801_143490	sig	hyper
chr8	1.4E+08	1.4E+08	*	2.319E-21	3.57E-21	0.121375	chr8_143528401_143528	sig	hyper
chr8	1.4E+08	1.4E+08	*	1.061E-84	4.7E-84	-0.19611	chr8_143547401_143547	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.66E-126	1.29E-125	0.297514	chr8_143569801_143570	sig	hyper
chr8	1.4E+08	1.4E+08	*	3.96E-49	1.043E-48	-0.11678	chr8_143577201_143577	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.45E-164	1.87E-163	0.207532	chr8_143598801_143599	sig	hyper
chr8	1.4E+08	1.4E+08	*	1.56E-146	1.58E-145	0.335178	chr8_143599201_143599	sig	hyper
chr8	1.4E+08	1.4E+08	*	2.56E-15	3.35E-15	0.118966	chr8_143708001_143708	sig	hyper
chr8	1.4E+08	1.4E+08	*	8.181E-31	1.555E-30	0.108174	chr8_143708201_143708	sig	hyper
chr8	1.4E+08	1.4E+08	*	1.091E-87	5.038E-87	-0.22265	chr8_143718801_143719	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.125E-87	5.192E-87	-0.30682	chr8_143732601_143732	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.927E-81	8.154E-81	-0.17048	chr8_143733001_143733	sig	hypo
chr8	1.4E+08	1.4E+08	*	3.422E-21	5.247E-21	-0.15743	chr8_143738401_143738	sig	hypo
chr8	1.4E+08	1.4E+08	*	6.219E-27	1.094E-26	0.103846	chr8_143770401_143770	sig	hyper
chr8	1.4E+08	1.4E+08	*	9.664E-18	1.354E-17	0.113069	chr8_143814401_143814	sig	hyper
chr8	1.4E+08	1.4E+08	*	1.519E-22	2.41E-22	-0.16297	chr8_143824201_143824	sig	hypo
chr8	1.4E+08	1.4E+08	*	3.285E-19	4.788E-19	0.133327	chr8_143873401_143873	sig	hyper
chr8	1.4E+08	1.4E+08	*	2.132E-22	3.37E-22	-0.14295	chr8_143891201_143891	sig	hypo
chr8	1.4E+08	1.4E+08	*	2.976E-34	6.063E-34	-0.17045	chr8_143891401_143891	sig	hypo
chr8	1.4E+08	1.4E+08	*	3.46E-133	2.92E-132	-0.27004	chr8_143891601_143891	sig	hypo
chr8	1.4E+08	1.4E+08	*	2.477E-63	8.118E-63	-0.19764	chr8_143937601_143937	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.03E-133	8.75E-133	-0.24126	chr8_143937801_143938	sig	hypo
chr8	1.4E+08	1.4E+08	*	2.62E-181	4.24E-180	-0.2452	chr8_143939001_143939	sig	hypo
chr8	1.4E+08	1.4E+08	*	0	0	0.383386	chr8_143944801_143945	sig	hyper
chr8	1.4E+08	1.4E+08	*	4.444E-30	8.323E-30	0.124539	chr8_143954001_143954	sig	hyper
chr8	1.4E+08	1.4E+08	*	2.903E-84	1.278E-83	0.201098	chr8_143961001_143961	sig	hyper
chr8	1.4E+08	1.4E+08	*	8.524E-57	2.531E-56	0.170378	chr8_143974001_143974	sig	hyper
chr8	1.4E+08	1.4E+08	*	1.064E-63	3.511E-63	0.190957	chr8_143974201_143974	sig	hyper
chr8	1.4E+08	1.4E+08	*	2.172E-21	3.347E-21	0.144541	chr8_143977601_143977	sig	hyper
chr8	1.4E+08	1.4E+08	*	6.998E-26	1.203E-25	-0.16145	chr8_143978001_143978	sig	hypo
chr8	1.4E+08	1.4E+08	*	8.413E-39	1.862E-38	0.100838	chr8_143982801_143983	sig	hyper
chr8	1.4E+08	1.4E+08	*	4.252E-31	8.126E-31	-0.15818	chr8_144012401_144012	sig	hypo
chr8	1.4E+08	1.4E+08	*	1.01E-196	2.04E-195	-0.34886	chr8_144046801_144047	sig	hypo
chr8	1.4E+08	1.4E+08	*	4.12E-117	2.82E-116	-0.26804	chr8_144047001_144047	sig	hypo
chr8	1.4E+08	1.4E+08	*	8.607E-77	3.417E-76	0.142566	chr8_144049401_144049	sig	hyper
chr8	1.4E+08	1.4E+08	*	4.87E-194	9.37E-193	-0.40105	chr8_144074201_144074	sig	hypo
chr8	1.4E+08	1.4E+08	*	3.68E-86	1.662E-85	0.260602	chr8_144107601_144107	sig	hyper
chr8	1.4E+08	1.4E+08	*	1.241E-84	5.497E-84	0.168705	chr8_144108001_144108	sig	hyper
chr8	1.4E+08	1.4E+08	*	5.318E-11	6.002E-11	0.109011	chr8_144151801_144152	sig	hyper
chr8	1.4E+08	1.4E+08	*	6.881E-21	1.048E-20	0.12699	chr8_144312401_144312	sig	hyper

chr8	1.4E+08	1.4E+08	*	1.405E-90	6.749E-90	0.182577	chr8_144327401_144327(	sig	hyper
chr8	1.4E+08	1.4E+08	*	2.23E-161	2.76E-160	0.269787	chr8_144336001_144336:	sig	hyper
chr8	1.4E+08	1.4E+08	*	1.52E-150	1.64E-149	0.248498	chr8_144336201_144336-	sig	hyper
chr8	1.4E+08	1.4E+08	*	5.586E-27	9.833E-27	-0.13643	chr8_144357001_144357:	sig	hypo
chr8	1.4E+08	1.4E+08	*	4.783E-37	1.028E-36	-0.15301	chr8_144429001_144429:	sig	hypo
chr8	1.4E+08	1.4E+08	*	5.174E-54	1.471E-53	-0.21598	chr8_144429201_144429-	sig	hypo
chr8	1.4E+08	1.4E+08	*	3.307E-34	6.729E-34	-0.13933	chr8_144429401_144429(	sig	hypo
chr8	1.4E+08	1.4E+08	*	4.885E-57	1.456E-56	0.184269	chr8_144500201_144500-	sig	hyper
chr8	1.4E+08	1.4E+08	*	2.739E-60	8.573E-60	0.193846	chr8_144504201_144504-	sig	hyper
chr8	1.4E+08	1.4E+08	*	8.576E-28	1.535E-27	0.156979	chr8_144504401_144504(	sig	hyper
chr8	1.4E+08	1.4E+08	*	1.545E-59	4.776E-59	0.14891	chr8_144506001_144506:	sig	hyper
chr8	1.4E+08	1.4E+08	*	2.616E-42	6.149E-42	0.149571	chr8_144530401_144530(	sig	hyper
chr8	1.4E+08	1.4E+08	*	4.933E-39	1.096E-38	-0.15824	chr8_144533001_144533:	sig	hypo
chr8	1.4E+08	1.4E+08	*	7.766E-19	1.122E-18	-0.15905	chr8_144583001_144583:	sig	hypo
chr8	1.4E+08	1.4E+08	*	4.318E-37	9.287E-37	0.120032	chr8_144623401_144623(	sig	hyper
chr8	1.4E+08	1.4E+08	*	2.501E-34	5.103E-34	0.142888	chr8_144623601_144623(	sig	hyper
chr8	1.4E+08	1.4E+08	*	6.31E-144	6.13E-143	0.289225	chr8_144699801_144700(	sig	hyper
chr8	1.4E+08	1.4E+08	*	1.934E-76	7.633E-76	0.188906	chr8_144700001_144700:	sig	hyper
chr8	1.4E+08	1.4E+08	*	4.64E-194	8.93E-193	0.41518	chr8_144713201_144713-	sig	hyper
chr8	1.4E+08	1.4E+08	*	5.13E-131	4.21E-130	0.297982	chr8_144714001_144714:	sig	hyper
chr8	1.4E+08	1.4E+08	*	2.192E-27	3.894E-27	0.155647	chr8_144730001_144730:	sig	hyper
chr8	1.4E+08	1.4E+08	*	1.922E-33	3.85E-33	-0.11755	chr8_144773201_144773-	sig	hypo
chr8	1.4E+08	1.4E+08	*	2.4E-31	4.608E-31	-0.15749	chr8_144904601_144904(	sig	hypo
chr8	1.5E+08	1.5E+08	*	3.784E-39	8.43E-39	0.200799	chr8_145007801_145008(	sig	hyper
chr9	113001	113200	*	9.696E-50	2.575E-49	0.117882	chr9_113001_113200	sig	hyper
chr9	118001	118200	*	2.359E-63	7.737E-63	0.355489	chr9_118001_118200	sig	hyper
chr9	841401	841600	*	2.546E-63	8.339E-63	0.221099	chr9_841401_841600	sig	hyper
chr9	841601	841800	*	2.392E-59	7.373E-59	0.238898	chr9_841601_841800	sig	hyper
chr9	969401	969600	*	5.199E-64	1.724E-63	0.166515	chr9_969401_969600	sig	hyper
chr9	970201	970400	*	6.132E-85	2.725E-84	0.264841	chr9_970201_970400	sig	hyper
chr9	970401	970600	*	4.12E-212	1.02E-210	0.264663	chr9_970401_970600	sig	hyper
chr9	971401	971600	*	5.64E-264	2.7E-262	0.410625	chr9_971401_971600	sig	hyper
chr9	971601	971800	*	5.68E-157	6.59E-156	0.331541	chr9_971601_971800	sig	hyper
chr9	975001	975200	*	9.56E-73	3.567E-72	0.252034	chr9_975001_975200	sig	hyper
chr9	975801	976000	*	1.024E-71	3.776E-71	0.241561	chr9_975801_976000	sig	hyper
chr9	1042201	1042400	*	5.415E-66	1.843E-65	0.225968	chr9_1042201_1042400	sig	hyper
chr9	1042801	1043000	*	2.645E-36	5.606E-36	0.172954	chr9_1042801_1043000	sig	hyper
chr9	1045601	1045800	*	0	0	0.326898	chr9_1045601_1045800	sig	hyper
chr9	1047201	1047400	*	1.901E-24	3.156E-24	0.146275	chr9_1047201_1047400	sig	hyper
chr9	1050801	1051000	*	2.32E-35	4.83E-35	-0.1628	chr9_1050801_1051000	sig	hypo
chr9	1051601	1051800	*	1.574E-69	5.62E-69	0.165009	chr9_1051601_1051800	sig	hyper
chr9	2621001	2621200	*	7.431E-46	1.85E-45	0.188191	chr9_2621001_2621200	sig	hyper
chr9	2623001	2623200	*	4.426E-67	1.529E-66	0.181118	chr9_2623001_2623200	sig	hyper
chr9	2623601	2623800	*	0	0	0.385834	chr9_2623601_2623800	sig	hyper
chr9	3180801	3181000	*	1.71E-58	5.204E-58	0.190133	chr9_3180801_3181000	sig	hyper
chr9	3181001	3181200	*	0	0	0.24048	chr9_3181001_3181200	sig	hyper
chr9	4663001	4663200	*	1.3E-32	2.561E-32	-0.13573	chr9_4663001_4663200	sig	hypo
chr9	5186001	5186200	*	2.245E-29	4.144E-29	-0.1261	chr9_5186001_5186200	sig	hypo
chr9	6644401	6644600	*	8.081E-30	1.505E-29	0.181612	chr9_6644401_6644600	sig	hyper
chr9	6644601	6644800	*	8.818E-80	3.653E-79	0.228619	chr9_6644601_6644800	sig	hyper
chr9	6703601	6703800	*	1.688E-52	4.675E-52	-0.1575	chr9_6703601_6703800	sig	hypo
chr9	1.1E+07	1.1E+07	*	9.208E-88	4.257E-87	0.315779	chr9_10613401_1061360(	sig	hyper
chr9	1.5E+07	1.5E+07	*	1.75E-178	2.73E-177	0.309767	chr9_14993401_1499360(	sig	hyper
chr9	1.7E+07	1.7E+07	*	4.647E-68	1.626E-67	0.239681	chr9_16864601_1686480(	sig	hyper
chr9	1.9E+07	1.9E+07	*	2.71E-84	1.194E-83	0.24915	chr9_19128801_1912900(	sig	hyper
chr9	1.9E+07	1.9E+07	*	1.711E-25	2.91E-25	0.150134	chr9_19408401_1940860(	sig	hyper

chr9	2E+07	2E+07	*	1.64E-157	1.91E-156	0.292284	chr9_19788201_1978840(	sig	hyper
chr9	2E+07	2E+07	*	1.03E-222	2.88E-221	0.397037	chr9_19789201_1978940(	sig	hyper
chr9	2.2E+07	2.2E+07	*	3.252E-40	7.384E-40	0.122146	chr9_22446801_2244700(	sig	hyper
chr9	2.4E+07	2.4E+07	*	2.065E-37	4.469E-37	0.122685	chr9_23826401_2382660(	sig	hyper
chr9	2.9E+07	2.9E+07	*	6.033E-72	2.23E-71	0.120774	chr9_29212601_2921280(	sig	hyper
chr9	3.4E+07	3.4E+07	*	2.16E-139	1.98E-138	0.1835	chr9_33524401_3352460(	sig	hyper
chr9	3.4E+07	3.4E+07	*	9.432E-30	1.755E-29	-0.12977	chr9_33750201_3375040(	sig	hypo
chr9	3.4E+07	3.4E+07	*	1.262E-63	4.16E-63	0.153233	chr9_34370801_3437100(	sig	hyper
chr9	3.4E+07	3.4E+07	*	6.664E-69	2.362E-68	0.23194	chr9_34371201_3437140(	sig	hyper
chr9	3.4E+07	3.4E+07	*	5.649E-49	1.484E-48	0.101005	chr9_34372001_3437220(	sig	hyper
chr9	3.4E+07	3.4E+07	*	2.194E-79	9.042E-79	0.366295	chr9_34457201_3445740(	sig	hyper
chr9	3.4E+07	3.4E+07	*	6.24E-290	4.09E-288	0.343967	chr9_34457401_3445760(	sig	hyper
chr9	3.5E+07	3.5E+07	*	1.842E-34	3.771E-34	-0.14205	chr9_34591001_3459120(	sig	hypo
chr9	3.5E+07	3.5E+07	*	2.202E-21	3.392E-21	0.159962	chr9_34624001_3462420(	sig	hyper
chr9	3.5E+07	3.5E+07	*	1.32E-217	3.49E-216	0.288042	chr9_34809601_3480980(	sig	hyper
chr9	3.5E+07	3.5E+07	*	1.953E-16	2.636E-16	0.157479	chr9_34988401_3498860(	sig	hyper
chr9	3.5E+07	3.5E+07	*	1.525E-64	5.085E-64	0.200507	chr9_35036201_3503640(	sig	hyper
chr9	3.6E+07	3.6E+07	*	1.026E-34	2.11E-34	0.125567	chr9_35617201_3561740(	sig	hyper
chr9	3.6E+07	3.6E+07	*	5.23E-184	8.76E-183	0.279774	chr9_35676001_3567620(	sig	hyper
chr9	3.6E+07	3.6E+07	*	1.73E-266	8.56E-265	0.314959	chr9_35676201_3567640(	sig	hyper
chr9	3.6E+07	3.6E+07	*	3.31E-34	6.735E-34	0.114513	chr9_35679801_3568000(	sig	hyper
chr9	3.6E+07	3.6E+07	*	4.5E-55	1.301E-54	-0.1687	chr9_35859001_3585920(	sig	hypo
chr9	3.6E+07	3.6E+07	*	3.97E-17	5.461E-17	0.113418	chr9_35972001_3597220(	sig	hyper
chr9	3.6E+07	3.6E+07	*	1.63E-11	1.874E-11	0.144863	chr9_36036401_3603660(	sig	hyper
chr9	3.6E+07	3.6E+07	*	7.904E-74	3.001E-73	0.12455	chr9_36258601_3625880(	sig	hyper
chr9	3.6E+07	3.6E+07	*	7.55E-146	7.53E-145	0.205038	chr9_36258801_3625900(	sig	hyper
chr9	3.7E+07	3.7E+07	*	5.334E-28	9.576E-28	0.157961	chr9_36818401_3681860(	sig	hyper
chr9	3.7E+07	3.7E+07	*	1.74E-164	2.24E-163	0.335972	chr9_37026601_3702680(	sig	hyper
chr9	3.7E+07	3.7E+07	*	6.647E-68	2.322E-67	0.292697	chr9_37027201_3702740(	sig	hyper
chr9	3.7E+07	3.7E+07	*	9.375E-31	1.779E-30	0.100055	chr9_37027401_3702760(	sig	hyper
chr9	3.7E+07	3.7E+07	*	2.714E-36	5.749E-36	0.10458	chr9_37037601_3703780(	sig	hyper
chr9	3.8E+07	3.8E+07	*	4.756E-50	1.27E-49	0.101062	chr9_37576001_3757620(	sig	hyper
chr9	3.8E+07	3.8E+07	*	1.765E-20	2.659E-20	0.122937	chr9_37787001_3778720(	sig	hyper
chr9	3.8E+07	3.8E+07	*	9.203E-16	1.22E-15	0.120404	chr9_37787401_3778760(	sig	hyper
chr9	3.8E+07	3.8E+07	*	6.24E-138	5.59E-137	0.310488	chr9_37938601_3793880(	sig	hyper
chr9	3.8E+07	3.8E+07	*	1.756E-14	2.239E-14	0.127335	chr9_38488001_3848820(	sig	hyper
chr9	3.9E+07	3.9E+07	*	1.673E-37	3.627E-37	-0.13039	chr9_38694001_3869420(	sig	hypo
chr9	4.1E+07	4.1E+07	*	1.96E-17	2.719E-17	0.12221	chr9_41266601_4126680(	sig	hyper
chr9	4.1E+07	4.1E+07	*	8.863E-94	4.44E-93	0.209593	chr9_41266801_4126700(	sig	hyper
chr9	4.1E+07	4.1E+07	*	7.632E-33	1.511E-32	0.120623	chr9_41273001_4127320(	sig	hyper
chr9	4.3E+07	4.3E+07	*	4.455E-39	9.912E-39	0.155309	chr9_42852401_4285260(	sig	hyper
chr9	6.3E+07	6.3E+07	*	1.093E-13	1.358E-13	0.152656	chr9_62799201_6279940(	sig	hyper
chr9	6.3E+07	6.3E+07	*	1.217E-36	2.594E-36	0.152579	chr9_62799801_6280000(	sig	hyper
chr9	6.3E+07	6.3E+07	*	4.968E-95	2.538E-94	0.178054	chr9_62800001_6280020(	sig	hyper
chr9	6.3E+07	6.3E+07	*	1.893E-96	9.86E-96	0.261396	chr9_62800201_6280040(	sig	hyper
chr9	6.3E+07	6.3E+07	*	3.111E-15	4.064E-15	0.100834	chr9_62801801_6280200(	sig	hyper
chr9	6.3E+07	6.3E+07	*	6.718E-96	3.476E-95	0.171898	chr9_62831001_6283120(	sig	hyper
chr9	6.3E+07	6.3E+07	*	3.672E-75	1.423E-74	0.116448	chr9_62837401_6283760(	sig	hyper
chr9	6.3E+07	6.3E+07	*	5.101E-87	2.331E-86	0.172229	chr9_62838001_6283820(	sig	hyper
chr9	6.3E+07	6.3E+07	*	5.69E-103	3.2E-102	0.128524	chr9_62838401_6283860(	sig	hyper
chr9	6.3E+07	6.3E+07	*	7.125E-77	2.831E-76	0.114746	chr9_62838601_6283880(	sig	hyper
chr9	6.4E+07	6.4E+07	*	5.554E-14	6.972E-14	0.125426	chr9_63818001_6381820(	sig	hyper
chr9	6.9E+07	6.9E+07	*	1.449E-46	3.654E-46	0.172634	chr9_69174601_6917480(	sig	hyper
chr9	7E+07	7E+07	*	2.185E-73	8.232E-73	0.184491	chr9_70480801_7048100(	sig	hyper
chr9	7.1E+07	7.1E+07	*	1.733E-30	3.271E-30	-0.10423	chr9_70537201_7053740(	sig	hypo
chr9	7.4E+07	7.4E+07	*	5.517E-53	1.541E-52	0.198437	chr9_74498001_7449820(	sig	hyper

chr9	7.7E+07	7.7E+07	*	8.707E-35	1.793E-34	0.172364	chr9_77014601_7701480(	sig	hyper
chr9	7.7E+07	7.7E+07	*	2.855E-52	7.871E-52	0.173925	chr9_77014801_7701500(	sig	hyper
chr9	7.7E+07	7.7E+07	*	6.71E-274	3.61E-272	0.372589	chr9_77019801_7702000(	sig	hyper
chr9	7.9E+07	7.9E+07	*	2.448E-38	5.375E-38	-0.17558	chr9_79037601_7903780(	sig	hypo
chr9	8.7E+07	8.7E+07	*	7.773E-17	1.061E-16	0.10134	chr9_87148401_8714860(	sig	hyper
chr9	8.7E+07	8.7E+07	*	1.2E-76	4.749E-76	0.210436	chr9_87499001_8749920(	sig	hyper
chr9	8.8E+07	8.8E+07	*	5.706E-44	1.378E-43	0.111848	chr9_87725601_8772580(	sig	hyper
chr9	8.9E+07	8.9E+07	*	3.961E-44	9.596E-44	0.11736	chr9_88535601_8853580(	sig	hyper
chr9	8.9E+07	8.9E+07	*	7.049E-54	1.999E-53	0.237488	chr9_88990801_8899100(	sig	hyper
chr9	8.9E+07	8.9E+07	*	7.57E-128	5.96E-127	0.286119	chr9_88991001_8899120(	sig	hyper
chr9	8.9E+07	8.9E+07	*	3.324E-45	8.184E-45	0.101413	chr9_89178201_8917840(	sig	hyper
chr9	8.9E+07	8.9E+07	*	7.297E-10	7.852E-10	-0.1229	chr9_89484001_8948420(	sig	hypo
chr9	9.1E+07	9.1E+07	*	0	0	0.300787	chr9_91421001_9142120(	sig	hyper
chr9	9.2E+07	9.2E+07	*	4.214E-54	1.2E-53	0.17278	chr9_91948201_9194840(	sig	hyper
chr9	9.3E+07	9.3E+07	*	4.73E-156	5.43E-155	0.271001	chr9_92807201_9280740(	sig	hyper
chr9	9.3E+07	9.3E+07	*	5.819E-91	2.815E-90	0.128466	chr9_92809201_9280940(	sig	hyper
chr9	9.3E+07	9.3E+07	*	7.81E-114	5.14E-113	0.194332	chr9_92809601_9280980(	sig	hyper
chr9	9.3E+07	9.3E+07	*	3.786E-08	3.767E-08	0.106082	chr9_93185401_9318560(	sig	hyper
chr9	9.3E+07	9.3E+07	*	1.579E-14	2.016E-14	0.132633	chr9_93185801_9318600(	sig	hyper
chr9	9.3E+07	9.3E+07	*	5.16E-171	7.29E-170	0.370417	chr9_93346001_9334620(	sig	hyper
chr9	9.4E+07	9.4E+07	*	1.35E-52	3.749E-52	0.154879	chr9_93948601_9394880(	sig	hyper
chr9	9.4E+07	9.4E+07	*	2.652E-41	6.131E-41	0.15002	chr9_93951801_9395200(	sig	hyper
chr9	9.4E+07	9.4E+07	*	6.204E-82	2.646E-81	0.195046	chr9_93952801_9395300(	sig	hyper
chr9	9.4E+07	9.4E+07	*	9.291E-91	4.479E-90	0.197	chr9_93953401_9395360(	sig	hyper
chr9	9.4E+07	9.4E+07	*	1.827E-79	7.537E-79	0.254231	chr9_93953801_9395400(	sig	hyper
chr9	9.4E+07	9.4E+07	*	3.435E-46	8.602E-46	0.219766	chr9_93960801_9396100(	sig	hyper
chr9	9.4E+07	9.4E+07	*	2.578E-69	9.183E-69	0.233537	chr9_94332601_9433280(	sig	hyper
chr9	9.5E+07	9.5E+07	*	5.847E-50	1.558E-49	-0.19728	chr9_94554801_9455500(	sig	hypo
chr9	9.5E+07	9.5E+07	*	1.33E-57	4E-57	-0.24522	chr9_94607401_9460760(	sig	hypo
chr9	9.5E+07	9.5E+07	*	4.082E-91	1.977E-90	-0.24154	chr9_95041601_9504180(	sig	hypo
chr9	9.5E+07	9.5E+07	*	7.323E-82	3.117E-81	0.159673	chr9_95086001_9508620(	sig	hyper
chr9	9.5E+07	9.5E+07	*	6.336E-80	2.632E-79	0.214421	chr9_95086401_9508660(	sig	hyper
chr9	9.5E+07	9.5E+07	*	6.305E-58	1.905E-57	0.130006	chr9_95102801_9510300(	sig	hyper
chr9	9.5E+07	9.5E+07	*	1.96E-141	1.84E-140	0.349505	chr9_95459201_9545940(	sig	hyper
chr9	9.6E+07	9.6E+07	*	3.202E-21	4.913E-21	0.138388	chr9_96020601_9602080(	sig	hyper
chr9	9.6E+07	9.6E+07	*	2.53E-103	1.43E-102	-0.29102	chr9_96219001_9621920(	sig	hypo
chr9	9.6E+07	9.6E+07	*	4.68E-73	1.755E-72	-0.25302	chr9_96219201_9621940(	sig	hypo
chr9	9.7E+07	9.7E+07	*	7.282E-29	1.33E-28	0.153192	chr9_96687201_9668740(	sig	hyper
chr9	9.7E+07	9.7E+07	*	1.445E-60	4.538E-60	0.326564	chr9_96877201_9687740(	sig	hyper
chr9	9.7E+07	9.7E+07	*	7.032E-58	2.124E-57	0.252024	chr9_96924801_9692500(	sig	hyper
chr9	9.7E+07	9.7E+07	*	2.678E-56	7.903E-56	0.281305	chr9_97077201_9707740(	sig	hyper
chr9	9.7E+07	9.7E+07	*	8.428E-63	2.736E-62	0.199131	chr9_97077401_9707760(	sig	hyper
chr9	9.7E+07	9.7E+07	*	3.617E-35	7.5E-35	0.107321	chr9_97238001_9723820(	sig	hyper
chr9	9.8E+07	9.8E+07	*	2.38E-183	3.94E-182	0.360531	chr9_97852601_9785280(	sig	hyper
chr9	9.8E+07	9.8E+07	*	7.01E-127	5.46E-126	0.260463	chr9_97852801_9785300(	sig	hyper
chr9	9.8E+07	9.8E+07	*	5.01E-114	3.31E-113	0.298216	chr9_97855401_9785560(	sig	hyper
chr9	9.9E+07	9.9E+07	*	7.098E-95	3.619E-94	0.213734	chr9_98707001_9870720(	sig	hyper
chr9	9.9E+07	9.9E+07	*	1.69E-125	1.29E-124	0.236493	chr9_98707601_9870780(	sig	hyper
chr9	9.9E+07	9.9E+07	*	3.52E-105	2.05E-104	0.285384	chr9_98709601_9870980(	sig	hyper
chr9	9.9E+07	9.9E+07	*	1.02E-112	6.63E-112	0.237551	chr9_98944201_9894440(	sig	hyper
chr9	9.9E+07	9.9E+07	*	5.583E-33	1.108E-32	-0.10365	chr9_99306001_9930620(	sig	hypo
chr9	9.9E+07	9.9E+07	*	3.024E-72	1.122E-71	-0.12034	chr9_99306201_9930640(	sig	hypo
chr9	1E+08	1E+08	*	2.67E-50	7.15E-50	0.116385	chr9_101028801_101029(	sig	hyper
chr9	1E+08	1E+08	*	8.788E-40	1.978E-39	0.217113	chr9_101737401_101737(	sig	hyper
chr9	1E+08	1E+08	*	5.096E-38	1.114E-37	-0.14188	chr9_103999601_103999(	sig	hypo
chr9	1E+08	1E+08	*	5.87E-107	3.51E-106	0.248533	chr9_104928401_104928(	sig	hyper

chr9	1.1E+08	1.1E+08	*	1.624E-14	2.072E-14	-0.14912	chr9_107466201_107466	sig	hypo
chr9	1.1E+08	1.1E+08	*	6.532E-33	1.295E-32	-0.13232	chr9_108855801_108856	sig	hypo
chr9	1.1E+08	1.1E+08	*	2.013E-55	5.854E-55	0.271791	chr9_109014401_109014	sig	hyper
chr9	1.1E+08	1.1E+08	*	2.33E-69	8.308E-69	0.246474	chr9_109167401_109167	sig	hyper
chr9	1.1E+08	1.1E+08	*	1.77E-163	2.26E-162	0.245611	chr9_109640201_109640	sig	hyper
chr9	1.1E+08	1.1E+08	*	4.12E-143	3.96E-142	-0.2893	chr9_110208201_110208	sig	hypo
chr9	1.1E+08	1.1E+08	*	1.172E-35	2.451E-35	0.152113	chr9_110579001_110579	sig	hyper
chr9	1.1E+08	1.1E+08	*	1.643E-66	5.631E-66	0.178671	chr9_110579601_110579	sig	hyper
chr9	1.1E+08	1.1E+08	*	3.195E-60	9.989E-60	0.101066	chr9_110580001_110580	sig	hyper
chr9	1.1E+08	1.1E+08	*	9.151E-24	1.495E-23	0.136312	chr9_112175601_112175	sig	hyper
chr9	1.1E+08	1.1E+08	*	9.156E-34	1.847E-33	0.108924	chr9_114155001_114155	sig	hyper
chr9	1.2E+08	1.2E+08	*	1.787E-95	9.194E-95	0.235684	chr9_116154601_116154	sig	hyper
chr9	1.2E+08	1.2E+08	*	5.96E-129	4.74E-128	0.202945	chr9_117744801_117745	sig	hyper
chr9	1.2E+08	1.2E+08	*	1.343E-47	3.449E-47	0.30049	chr9_119369001_119369	sig	hyper
chr9	1.2E+08	1.2E+08	*	6.07E-168	8.18E-167	0.357655	chr9_119369201_119369	sig	hyper
chr9	1.2E+08	1.2E+08	*	8.396E-82	3.57E-81	0.274727	chr9_119369601_119369	sig	hyper
chr9	1.2E+08	1.2E+08	*	5.4E-102	3.01E-101	0.293257	chr9_119369801_119370	sig	hyper
chr9	1.2E+08	1.2E+08	*	6.775E-44	1.635E-43	0.195302	chr9_120842201_120842	sig	hyper
chr9	1.2E+08	1.2E+08	*	9.95E-188	1.77E-186	0.461308	chr9_120894401_120894	sig	hyper
chr9	1.2E+08	1.2E+08	*	0	3.6E-307	0.412932	chr9_120894801_120895	sig	hyper
chr9	1.2E+08	1.2E+08	*	7.688E-33	1.522E-32	0.109238	chr9_121267601_121267	sig	hyper
chr9	1.2E+08	1.2E+08	*	8.44E-110	5.24E-109	0.311797	chr9_121598801_121599	sig	hyper
chr9	1.2E+08	1.2E+08	*	2.484E-42	5.841E-42	0.196726	chr9_121698601_121698	sig	hyper
chr9	1.2E+08	1.2E+08	*	2.265E-83	9.848E-83	0.150487	chr9_121699601_121699	sig	hyper
chr9	1.2E+08	1.2E+08	*	1.98E-17	2.746E-17	0.132477	chr9_121699801_121700	sig	hyper
chr9	1.2E+08	1.2E+08	*	7.077E-11	7.957E-11	0.112633	chr9_121815801_121816	sig	hyper
chr9	1.2E+08	1.2E+08	*	3.325E-84	1.462E-83	0.195971	chr9_122219201_122219	sig	hyper
chr9	1.2E+08	1.2E+08	*	2.5E-117	1.72E-116	0.237214	chr9_122219801_122220	sig	hyper
chr9	1.2E+08	1.2E+08	*	5.74E-69	2.036E-68	0.24037	chr9_122220001_122220	sig	hyper
chr9	1.2E+08	1.2E+08	*	4.43E-131	3.64E-130	0.353428	chr9_122220401_122220	sig	hyper
chr9	1.2E+08	1.2E+08	*	6.509E-42	1.52E-41	0.202245	chr9_122227001_122227	sig	hyper
chr9	1.2E+08	1.2E+08	*	2.871E-34	5.851E-34	0.189081	chr9_124010201_124010	sig	hyper
chr9	1.2E+08	1.2E+08	*	6.28E-137	5.55E-136	0.255943	chr9_124012801_124013	sig	hyper
chr9	1.2E+08	1.2E+08	*	3.715E-16	4.967E-16	0.116457	chr9_124013201_124013	sig	hyper
chr9	1.2E+08	1.2E+08	*	4.98E-112	3.2E-111	0.273351	chr9_124015201_124015	sig	hyper
chr9	1.2E+08	1.2E+08	*	1.399E-27	2.494E-27	0.123334	chr9_124018001_124018	sig	hyper
chr9	1.2E+08	1.2E+08	*	2.431E-11	2.776E-11	0.103814	chr9_124040601_124040	sig	hyper
chr9	1.2E+08	1.2E+08	*	1.47E-169	2.03E-168	0.315301	chr9_124487201_124487	sig	hyper
chr9	1.2E+08	1.2E+08	*	7.183E-48	1.851E-47	0.239948	chr9_124487401_124487	sig	hyper
chr9	1.2E+08	1.2E+08	*	7.108E-43	1.686E-42	0.189294	chr9_124777601_124777	sig	hyper
chr9	1.2E+08	1.2E+08	*	1.674E-52	4.638E-52	0.18308	chr9_124838801_124839	sig	hyper
chr9	1.3E+08	1.3E+08	*	5.913E-47	1.503E-46	-0.20835	chr9_125410401_125410	sig	hypo
chr9	1.3E+08	1.3E+08	*	3.791E-30	7.112E-30	-0.15042	chr9_126015401_126015	sig	hypo
chr9	1.3E+08	1.3E+08	*	3.749E-85	1.67E-84	0.320612	chr9_126482401_126482	sig	hyper
chr9	1.3E+08	1.3E+08	*	9.633E-46	2.393E-45	0.146116	chr9_126610001_126610	sig	hyper
chr9	1.3E+08	1.3E+08	*	2.228E-61	7.074E-61	0.116836	chr9_126613401_126613	sig	hyper
chr9	1.3E+08	1.3E+08	*	6.649E-75	2.565E-74	0.182153	chr9_126625001_126625	sig	hyper
chr9	1.3E+08	1.3E+08	*	3.92E-33	7.81E-33	0.209096	chr9_126625401_126625	sig	hyper
chr9	1.3E+08	1.3E+08	*	2.033E-15	2.668E-15	-0.10369	chr9_126692601_126692	sig	hypo
chr9	1.3E+08	1.3E+08	*	1.531E-19	2.252E-19	-0.11921	chr9_126702801_126703	sig	hypo
chr9	1.3E+08	1.3E+08	*	5.489E-48	1.418E-47	0.206961	chr9_127755401_127755	sig	hyper
chr9	1.3E+08	1.3E+08	*	8.712E-29	1.589E-28	-0.15491	chr9_127762601_127762	sig	hypo
chr9	1.3E+08	1.3E+08	*	1.958E-25	3.325E-25	0.103761	chr9_127927001_127927	sig	hyper
chr9	1.3E+08	1.3E+08	*	3.503E-41	8.073E-41	0.112179	chr9_127938601_127938	sig	hyper
chr9	1.3E+08	1.3E+08	*	4.499E-46	1.124E-45	0.14734	chr9_127942801_127943	sig	hyper
chr9	1.3E+08	1.3E+08	*	9.19E-23	1.465E-22	-0.12464	chr9_128131401_128131	sig	hypo

chr9	1.3E+08	1.3E+08	*	2.231E-21	3.436E-21	-0.11006	chr9_128233801_128234(	sig	hypo
chr9	1.3E+08	1.3E+08	*	1.409E-50	3.786E-50	0.249518	chr9_128409001_128409?	sig	hyper
chr9	1.3E+08	1.3E+08	*	1.241E-34	2.547E-34	-0.10986	chr9_128688401_128688(	sig	hypo
chr9	1.3E+08	1.3E+08	*	2.365E-21	3.639E-21	0.124517	chr9_128701601_128701(	sig	hyper
chr9	1.3E+08	1.3E+08	*	4.485E-38	9.811E-38	0.138137	chr9_129080401_129080(	sig	hyper
chr9	1.3E+08	1.3E+08	*	6.021E-81	2.529E-80	0.363165	chr9_129254001_129254?	sig	hyper
chr9	1.3E+08	1.3E+08	*	1.169E-73	4.42E-73	-0.24134	chr9_129438601_129438(	sig	hypo
chr9	1.3E+08	1.3E+08	*	8.647E-78	3.479E-77	-0.23387	chr9_129598401_129598(	sig	hypo
chr9	1.3E+08	1.3E+08	*	4.418E-83	1.914E-82	-0.29606	chr9_129608801_129609(	sig	hypo
chr9	1.3E+08	1.3E+08	*	1.67E-184	2.82E-183	0.394381	chr9_129620601_129620(	sig	hyper
chr9	1.3E+08	1.3E+08	*	9.642E-49	2.521E-48	0.153041	chr9_129621001_129621?	sig	hyper
chr9	1.3E+08	1.3E+08	*	3.44E-230	1.05E-228	-0.35696	chr9_129669201_129669?	sig	hypo
chr9	1.3E+08	1.3E+08	*	4.566E-17	6.27E-17	0.121524	chr9_129675601_129675(	sig	hyper
chr9	1.3E+08	1.3E+08	*	1.899E-24	3.154E-24	0.127301	chr9_129716001_129716?	sig	hyper
chr9	1.3E+08	1.3E+08	*	1.011E-26	1.77E-26	-0.13586	chr9_129752201_129752?	sig	hypo
chr9	1.3E+08	1.3E+08	*	1.665E-12	1.987E-12	-0.10033	chr9_129888201_129888?	sig	hypo
chr9	1.3E+08	1.3E+08	*	3.875E-26	6.698E-26	-0.15015	chr9_129890401_129890(	sig	hypo
chr9	1.3E+08	1.3E+08	*	6.036E-37	1.295E-36	-0.21694	chr9_130181601_130181(	sig	hypo
chr9	1.3E+08	1.3E+08	*	2.857E-77	1.141E-76	0.235314	chr9_130662801_130663(	sig	hyper
chr9	1.3E+08	1.3E+08	*	3.51E-139	3.2E-138	0.21181	chr9_130663201_130663?	sig	hyper
chr9	1.3E+08	1.3E+08	*	8.191E-70	2.941E-69	0.194682	chr9_130666601_130666(	sig	hyper
chr9	1.3E+08	1.3E+08	*	3.676E-37	7.921E-37	0.117561	chr9_130885401_130885(	sig	hyper
chr9	1.3E+08	1.3E+08	*	1.041E-21	1.618E-21	0.141858	chr9_130892401_130892(	sig	hyper
chr9	1.3E+08	1.3E+08	*	5.081E-49	1.336E-48	-0.20817	chr9_130919001_130919?	sig	hypo
chr9	1.3E+08	1.3E+08	*	5.326E-32	1.036E-31	-0.10596	chr9_130919201_130919?	sig	hypo
chr9	1.3E+08	1.3E+08	*	3.763E-17	5.178E-17	-0.10609	chr9_131028201_131028?	sig	hypo
chr9	1.3E+08	1.3E+08	*	5.033E-28	9.038E-28	-0.17494	chr9_131264401_131264(	sig	hypo
chr9	1.3E+08	1.3E+08	*	1.31E-124	9.89E-124	-0.29909	chr9_131274801_131275(	sig	hypo
chr9	1.3E+08	1.3E+08	*	3.28E-141	3.07E-140	-0.23841	chr9_131308001_131308?	sig	hypo
chr9	1.3E+08	1.3E+08	*	9.648E-41	2.208E-40	0.169032	chr9_131530401_131530(	sig	hyper
chr9	1.3E+08	1.3E+08	*	2.937E-59	9.039E-59	0.22555	chr9_131554401_131554(	sig	hyper
chr9	1.3E+08	1.3E+08	*	6.148E-61	1.94E-60	-0.21493	chr9_131578801_131579(	sig	hypo
chr9	1.3E+08	1.3E+08	*	1.514E-17	2.108E-17	-0.11283	chr9_131839401_131839(	sig	hypo
chr9	1.3E+08	1.3E+08	*	5.461E-12	6.391E-12	-0.11201	chr9_131841801_131842(	sig	hypo
chr9	1.3E+08	1.3E+08	*	5.001E-48	1.293E-47	-0.14279	chr9_131842001_131842?	sig	hypo
chr9	1.3E+08	1.3E+08	*	9.426E-49	2.465E-48	0.10311	chr9_132164401_132164(	sig	hyper
chr9	1.3E+08	1.3E+08	*	2.889E-31	5.539E-31	0.112162	chr9_132240801_132241(	sig	hyper
chr9	1.3E+08	1.3E+08	*	2.21E-130	1.8E-129	0.266393	chr9_132579601_132579(	sig	hyper
chr9	1.3E+08	1.3E+08	*	3.09E-197	6.25E-196	0.276476	chr9_132579801_132580(	sig	hyper
chr9	1.3E+08	1.3E+08	*	2.04E-121	1.48E-120	0.15035	chr9_132581801_132582(	sig	hyper
chr9	1.3E+08	1.3E+08	*	1.281E-91	6.24E-91	0.262358	chr9_132586401_132586(	sig	hyper
chr9	1.3E+08	1.3E+08	*	1.436E-21	2.224E-21	-0.10888	chr9_132708801_132709(	sig	hypo
chr9	1.3E+08	1.3E+08	*	1.293E-54	3.711E-54	0.226235	chr9_132770601_132770(	sig	hyper
chr9	1.3E+08	1.3E+08	*	6.181E-12	7.219E-12	0.121225	chr9_133200201_133200?	sig	hyper
chr9	1.3E+08	1.3E+08	*	4.514E-21	6.901E-21	-0.15547	chr9_133205601_133205(	sig	hypo
chr9	1.3E+08	1.3E+08	*	8.671E-31	1.647E-30	-0.20999	chr9_133209401_133209(	sig	hypo
chr9	1.3E+08	1.3E+08	*	2.523E-36	5.349E-36	-0.18381	chr9_133274601_133274(	sig	hypo
chr9	1.3E+08	1.3E+08	*	1.225E-21	1.9E-21	0.111192	chr9_133497201_133497?	sig	hyper
chr9	1.3E+08	1.3E+08	*	1.42E-198	2.93E-197	0.341467	chr9_133565601_133565(	sig	hyper
chr9	1.3E+08	1.3E+08	*	2.753E-84	1.213E-83	0.191167	chr9_133609601_133609(	sig	hyper
chr9	1.3E+08	1.3E+08	*	2.211E-54	6.323E-54	-0.24722	chr9_133674201_133674?	sig	hypo
chr9	1.3E+08	1.3E+08	*	8.156E-24	1.334E-23	-0.10466	chr9_133738401_133738(	sig	hypo
chr9	1.3E+08	1.3E+08	*	2.824E-24	4.666E-24	0.153517	chr9_133814801_133815(	sig	hyper
chr9	1.3E+08	1.3E+08	*	2.166E-24	3.59E-24	0.15445	chr9_133904401_133904(	sig	hyper
chr9	1.3E+08	1.3E+08	*	9.078E-33	1.794E-32	0.141096	chr9_133911201_133911?	sig	hyper
chr9	1.3E+08	1.3E+08	*	3.22E-194	6.21E-193	0.311002	chr9_133918201_133918?	sig	hyper

chr9	1.3E+08	1.3E+08	*	4.352E-50	1.163E-49	0.21882	chr9_133950801_133951(	sig	hyper
chr9	1.3E+08	1.3E+08	*	5.46E-111	3.45E-110	-0.25472	chr9_133972201_133972-	sig	hypo
chr9	1.3E+08	1.3E+08	*	7.376E-45	1.807E-44	0.249359	chr9_133979401_133979(	sig	hyper
chr9	1.3E+08	1.3E+08	*	5.886E-16	7.836E-16	0.105667	chr9_134132201_134132-	sig	hyper
chr9	1.3E+08	1.3E+08	*	2.458E-77	9.824E-77	0.144929	chr9_134165401_134165(	sig	hyper
chr9	1.3E+08	1.3E+08	*	2.112E-30	3.979E-30	-0.15924	chr9_134226201_134226-	sig	hypo
chr9	1.3E+08	1.3E+08	*	7.861E-69	2.782E-68	0.237543	chr9_134387401_134387(	sig	hyper
chr9	1.3E+08	1.3E+08	*	2.04E-106	1.21E-105	0.174917	chr9_134407401_134407(	sig	hyper
chr9	1.3E+08	1.3E+08	*	2.175E-25	3.69E-25	-0.15545	chr9_134409401_134409(	sig	hypo
chr9	1.3E+08	1.3E+08	*	2.05E-12	2.437E-12	0.100244	chr9_134410201_134410-	sig	hyper
chr9	1.3E+08	1.3E+08	*	8.81E-97	4.603E-96	-0.23536	chr9_134461601_134461(	sig	hypo
chr9	1.3E+08	1.3E+08	*	1.24E-31	2.395E-31	0.164178	chr9_134501201_134501-	sig	hyper
chr9	1.3E+08	1.3E+08	*	2.063E-34	4.218E-34	-0.12813	chr9_134557401_134557(	sig	hypo
chr9	1.3E+08	1.3E+08	*	3.875E-29	7.119E-29	-0.10626	chr9_134623801_134624(	sig	hypo
chr9	1.3E+08	1.3E+08	*	6.594E-35	1.361E-34	-0.1511	chr9_134625401_134625(	sig	hypo
chr9	1.3E+08	1.3E+08	*	1.582E-66	5.425E-66	0.112373	chr9_134641201_134641-	sig	hyper
chr9	1.3E+08	1.3E+08	*	5.97E-122	4.34E-121	0.364861	chr9_134643201_134643-	sig	hyper
chr9	1.3E+08	1.3E+08	*	6.486E-53	1.81E-52	0.171859	chr9_134707201_134707-	sig	hyper
chr9	1.3E+08	1.3E+08	*	1.648E-51	4.49E-51	-0.17314	chr9_134771001_134771:	sig	hypo
chr9	1.3E+08	1.3E+08	*	1.478E-30	2.795E-30	-0.14859	chr9_134816801_134817(	sig	hypo
chr9	1.3E+08	1.3E+08	*	1.434E-45	3.551E-45	-0.19951	chr9_134819801_134820(	sig	hypo
chr9	1.3E+08	1.3E+08	*	6.823E-24	1.118E-23	-0.12812	chr9_134839001_134839:	sig	hypo
chr9	1.3E+08	1.3E+08	*	1.818E-11	2.085E-11	0.112424	chr9_134967601_134967(	sig	hyper
chr9	1.4E+08	1.4E+08	*	3.76E-58	1.139E-57	-0.25821	chr9_135104401_135104(	sig	hypo
chr9	1.4E+08	1.4E+08	*	1.219E-70	4.424E-70	-0.23241	chr9_135173601_135173(	sig	hypo
chr9	1.4E+08	1.4E+08	*	9.868E-21	1.497E-20	0.103755	chr9_135260801_135261(	sig	hyper
chr9	1.4E+08	1.4E+08	*	4.675E-25	7.87E-25	-0.14439	chr9_135300401_135300(	sig	hypo
chr9	1.4E+08	1.4E+08	*	1.972E-31	3.791E-31	0.178019	chr9_135501801_135502(	sig	hyper
chr9	1.4E+08	1.4E+08	*	2.648E-38	5.81E-38	-0.20548	chr9_135560801_135561(	sig	hypo
chr9	1.4E+08	1.4E+08	*	5.392E-71	1.969E-70	0.213344	chr9_135715001_135715:	sig	hyper
chr9	1.4E+08	1.4E+08	*	1.827E-31	3.515E-31	-0.10227	chr9_135778801_135779(	sig	hypo
chr9	1.4E+08	1.4E+08	*	5.522E-35	1.141E-34	-0.16253	chr9_135781001_135781:	sig	hypo
chr9	1.4E+08	1.4E+08	*	5.842E-18	8.228E-18	-0.14699	chr9_135783201_135783-	sig	hypo
chr9	1.4E+08	1.4E+08	*	1.013E-08	1.036E-08	-0.11431	chr9_135788001_135788:	sig	hypo
chr9	1.4E+08	1.4E+08	*	1.051E-21	1.632E-21	-0.12475	chr9_135981001_135981:	sig	hypo
chr9	1.4E+08	1.4E+08	*	4.103E-94	2.063E-93	-0.20182	chr9_136107201_136107-	sig	hypo
chr9	1.4E+08	1.4E+08	*	3.279E-18	4.648E-18	0.121791	chr9_136122801_136123(	sig	hyper
chr9	1.4E+08	1.4E+08	*	1.977E-48	5.145E-48	0.17795	chr9_136133801_136134(	sig	hyper
chr9	1.4E+08	1.4E+08	*	7.536E-53	2.101E-52	-0.23407	chr9_136155601_136155(	sig	hypo
chr9	1.4E+08	1.4E+08	*	2.43E-127	1.9E-126	0.250555	chr9_136202401_136202(	sig	hyper
chr9	1.4E+08	1.4E+08	*	1.44E-171	2.05E-170	0.324353	chr9_136202801_136203(	sig	hyper
chr9	1.4E+08	1.4E+08	*	1.224E-30	2.317E-30	-0.1252	chr9_136251601_136251(	sig	hypo
chr9	1.4E+08	1.4E+08	*	2.55E-108	1.55E-107	0.277237	chr9_136342201_136342-	sig	hyper
chr9	1.4E+08	1.4E+08	*	1.18E-151	1.29E-150	-0.28556	chr9_136356201_136356-	sig	hypo
chr9	1.4E+08	1.4E+08	*	7.83E-198	1.6E-196	0.383637	chr9_136361201_136361-	sig	hyper
chr9	1.4E+08	1.4E+08	*	7.494E-32	1.454E-31	0.207036	chr9_136364401_136364(	sig	hyper
chr9	1.4E+08	1.4E+08	*	1.634E-32	3.211E-32	0.157307	chr9_136395801_136396(	sig	hyper
chr9	1.4E+08	1.4E+08	*	2.288E-22	3.612E-22	0.135307	chr9_136511801_136512(	sig	hyper
chr9	1.4E+08	1.4E+08	*	1.488E-35	3.108E-35	-0.19331	chr9_136527601_136527(	sig	hypo
chr9	1.4E+08	1.4E+08	*	2.795E-35	5.806E-35	0.178944	chr9_136540801_136541(	sig	hyper
chr9	1.4E+08	1.4E+08	*	2.676E-24	4.425E-24	-0.16057	chr9_136562001_136562:	sig	hypo
chr9	1.4E+08	1.4E+08	*	3.736E-56	1.099E-55	-0.21757	chr9_136617801_136618(	sig	hypo
chr9	1.4E+08	1.4E+08	*	8.367E-20	1.238E-19	-0.15056	chr9_136629201_136629-	sig	hypo
chr9	1.4E+08	1.4E+08	*	2.424E-34	4.949E-34	-0.13206	chr9_136657001_136657:	sig	hypo
chr9	1.4E+08	1.4E+08	*	8E-101	4.39E-100	-0.41895	chr9_136658601_136658(	sig	hypo
chr9	1.4E+08	1.4E+08	*	1.629E-66	5.585E-66	0.171689	chr9_136665201_136665-	sig	hyper

chr9	1.4E+08	1.4E+08	*	9.083E-16	1.204E-15	-0.1058	chr9_136667801_136668(	sig	hypo
chr9	1.4E+08	1.4E+08	*	3.31E-54	9.44E-54	-0.1733	chr9_136696001_136696(	sig	hypo
chr9	1.4E+08	1.4E+08	*	1.629E-91	7.932E-91	-0.21909	chr9_136696201_136696(	sig	hypo
chr9	1.4E+08	1.4E+08	*	1.461E-61	4.664E-61	-0.15581	chr9_136701001_136701(	sig	hypo
chr9	1.4E+08	1.4E+08	*	3.99E-195	7.83E-194	-0.23142	chr9_136739601_136739(	sig	hypo
chr9	1.4E+08	1.4E+08	*	9.961E-32	1.927E-31	-0.13342	chr9_136744001_136744(	sig	hypo
chr9	1.4E+08	1.4E+08	*	6.278E-36	1.318E-35	-0.14297	chr9_136748401_136748(	sig	hypo
chr9	1.4E+08	1.4E+08	*	3.885E-19	5.655E-19	-0.11193	chr9_136754401_136754(	sig	hypo
chr9	1.4E+08	1.4E+08	*	1.766E-29	3.265E-29	-0.12508	chr9_136807001_136807(	sig	hypo
chr9	1.4E+08	1.4E+08	*	6.899E-31	1.314E-30	-0.12019	chr9_136809601_136809(	sig	hypo
chr9	1.4E+08	1.4E+08	*	7E-257	3.06E-255	0.248968	chr9_136821201_136821(	sig	hyper
chr9	1.4E+08	1.4E+08	*	2.44E-133	2.07E-132	0.217105	chr9_136844401_136844(	sig	hyper
chr9	1.4E+08	1.4E+08	*	1.86E-178	2.9E-177	0.204258	chr9_136846401_136846(	sig	hyper
chr9	1.4E+08	1.4E+08	*	4.18E-138	3.75E-137	0.314122	chr9_136850001_136850(	sig	hyper
chr9	1.4E+08	1.4E+08	*	4.247E-12	4.989E-12	0.104217	chr9_136850601_136850(	sig	hyper
chr9	1.4E+08	1.4E+08	*	1.127E-52	3.135E-52	-0.13372	chr9_136902001_136902(	sig	hypo
chr9	1.4E+08	1.4E+08	*	2.18E-101	1.2E-100	-0.31405	chr9_136964601_136964(	sig	hypo
chr9	1.4E+08	1.4E+08	*	2.113E-63	6.936E-63	-0.23549	chr9_136965001_136965(	sig	hypo
chr9	1.4E+08	1.4E+08	*	6.402E-18	9.007E-18	0.130113	chr9_136977601_136977(	sig	hyper
chr9	1.4E+08	1.4E+08	*	1.332E-81	5.647E-81	0.25409	chr9_136986001_136986(	sig	hyper
chr9	1.4E+08	1.4E+08	*	1.48E-237	5.04E-236	0.295564	chr9_136994601_136994(	sig	hyper
chr9	1.4E+08	1.4E+08	*	1.097E-49	2.913E-49	-0.21653	chr9_136998001_136998(	sig	hypo
chr9	1.4E+08	1.4E+08	*	3.585E-41	8.262E-41	-0.18349	chr9_137019201_137019(	sig	hypo
chr9	1.4E+08	1.4E+08	*	1.236E-16	1.677E-16	-0.14009	chr9_137022201_137022(	sig	hypo
chr9	1.4E+08	1.4E+08	*	1.371E-97	7.236E-97	-0.21767	chr9_137022401_137022(	sig	hypo
chr9	1.4E+08	1.4E+08	*	5.14E-170	7.14E-169	-0.33688	chr9_137030801_137031(	sig	hypo
chr9	1.4E+08	1.4E+08	*	8.212E-68	2.865E-67	-0.21812	chr9_137031201_137031(	sig	hypo
chr9	1.4E+08	1.4E+08	*	1.101E-17	1.539E-17	-0.14841	chr9_137031401_137031(	sig	hypo
chr9	1.4E+08	1.4E+08	*	8.433E-48	2.171E-47	0.192585	chr9_137048601_137048(	sig	hyper
chr9	1.4E+08	1.4E+08	*	7.998E-56	2.342E-55	-0.10585	chr9_137054401_137054(	sig	hypo
chr9	1.4E+08	1.4E+08	*	5.37E-153	5.95E-152	0.35675	chr9_137078801_137079(	sig	hyper
chr9	1.4E+08	1.4E+08	*	9.978E-85	4.425E-84	0.321196	chr9_137079201_137079(	sig	hyper
chr9	1.4E+08	1.4E+08	*	7.564E-32	1.467E-31	0.193971	chr9_137138401_137138(	sig	hyper
chr9	1.4E+08	1.4E+08	*	2.768E-82	1.186E-81	0.291917	chr9_137138801_137139(	sig	hyper
chr9	1.4E+08	1.4E+08	*	8.054E-89	3.786E-88	0.22278	chr9_137139601_137139(	sig	hyper
chr9	1.4E+08	1.4E+08	*	9.173E-37	1.961E-36	0.144949	chr9_137148201_137148(	sig	hyper
chr9	1.4E+08	1.4E+08	*	9.307E-19	1.342E-18	-0.12207	chr9_137166401_137166(	sig	hypo
chr9	1.4E+08	1.4E+08	*	1.253E-26	2.19E-26	0.143202	chr9_137175201_137175(	sig	hyper
chr9	1.4E+08	1.4E+08	*	2.034E-82	8.73E-82	-0.26574	chr9_137199001_137199(	sig	hypo
chr9	1.4E+08	1.4E+08	*	2.552E-50	6.834E-50	-0.20528	chr9_137217401_137217(	sig	hypo
chr9	1.4E+08	1.4E+08	*	3.714E-12	4.372E-12	-0.12079	chr9_137254001_137254(	sig	hypo
chr9	1.4E+08	1.4E+08	*	7.239E-56	2.121E-55	0.173593	chr9_137278801_137279(	sig	hyper
chr9	1.4E+08	1.4E+08	*	9.63E-121	6.9E-120	0.176956	chr9_137279001_137279(	sig	hyper
chr9	1.4E+08	1.4E+08	*	4.812E-48	1.244E-47	0.120425	chr9_137279401_137279(	sig	hyper
chr9	1.4E+08	1.4E+08	*	1.132E-68	3.995E-68	-0.23269	chr9_137293401_137293(	sig	hypo
chr9	1.4E+08	1.4E+08	*	1.44E-105	8.42E-105	-0.28266	chr9_137294001_137294(	sig	hypo
chr9	1.4E+08	1.4E+08	*	9.324E-19	1.344E-18	-0.10946	chr9_137326801_137327(	sig	hypo
chr9	1.4E+08	1.4E+08	*	3.368E-10	3.679E-10	0.106905	chr9_137368001_137368(	sig	hyper
chr9	1.4E+08	1.4E+08	*	9.099E-49	2.381E-48	-0.2046	chr9_137438601_137438(	sig	hypo
chr9	1.4E+08	1.4E+08	*	1.416E-33	2.844E-33	-0.15075	chr9_137446201_137446(	sig	hypo
chr9	1.4E+08	1.4E+08	*	5.443E-45	1.336E-44	-0.13251	chr9_137480001_137480(	sig	hypo
chr9	1.4E+08	1.4E+08	*	9.756E-25	1.632E-24	-0.16839	chr9_137494201_137494(	sig	hypo
chr9	1.4E+08	1.4E+08	*	1.618E-52	4.485E-52	-0.22292	chr9_137514001_137514(	sig	hypo
chr9	1.4E+08	1.4E+08	*	3.976E-41	9.155E-41	-0.20889	chr9_137514201_137514(	sig	hypo
chr9	1.4E+08	1.4E+08	*	1.873E-61	5.958E-61	0.134196	chr9_137579201_137579(	sig	hyper
chr9	1.4E+08	1.4E+08	*	6.225E-24	1.021E-23	0.109536	chr9_137762801_137763(	sig	hyper

chr9	1.4E+08	1.4E+08	*	3.374E-75	1.308E-74	-0.28432	chr9_137788601_137788	sig	hypo
chr9	1.4E+08	1.4E+08	*	1.066E-22	1.696E-22	-0.23151	chr9_137789001_137789	sig	hypo
chr9	1.4E+08	1.4E+08	*	1.72E-17	2.39E-17	-0.10484	chr9_137955601_137955	sig	hypo
chr9	1.4E+08	1.4E+08	*	2.32E-37	5.017E-37	-0.13858	chr9_138121801_138122	sig	hypo
chr10	11401	11600	*	1.688E-52	4.674E-52	-0.14214	chr10_11401_11600	sig	hypo
chr10	48201	48400	*	3.89E-25	6.56E-25	-0.12495	chr10_48201_48400	sig	hypo
chr10	326601	326800	*	7.411E-91	3.578E-90	0.199336	chr10_326601_326800	sig	hyper
chr10	326801	327000	*	3.837E-56	1.128E-55	0.140618	chr10_326801_327000	sig	hyper
chr10	361601	361800	*	3.583E-25	6.048E-25	0.130333	chr10_361601_361800	sig	hyper
chr10	361801	362000	*	8.204E-32	1.589E-31	0.11877	chr10_361801_362000	sig	hyper
chr10	369401	369600	*	2.508E-93	1.247E-92	0.202835	chr10_369401_369600	sig	hyper
chr10	370201	370400	*	3.264E-91	1.583E-90	0.354453	chr10_370201_370400	sig	hyper
chr10	413601	413800	*	7.593E-42	1.771E-41	-0.23236	chr10_413601_413800	sig	hypo
chr10	413801	414000	*	9.909E-16	1.312E-15	-0.14937	chr10_413801_414000	sig	hypo
chr10	414001	414200	*	5.534E-38	1.209E-37	-0.1008	chr10_414001_414200	sig	hypo
chr10	485001	485200	*	6.001E-27	1.056E-26	-0.1005	chr10_485001_485200	sig	hypo
chr10	486201	486400	*	7.42E-202	1.6E-200	0.341017	chr10_486201_486400	sig	hyper
chr10	490201	490400	*	1.209E-52	3.359E-52	0.226792	chr10_490201_490400	sig	hyper
chr10	491001	491200	*	6.475E-98	3.436E-97	0.202254	chr10_491001_491200	sig	hyper
chr10	510401	510600	*	2.38E-174	3.53E-173	0.308972	chr10_510401_510600	sig	hyper
chr10	510601	510800	*	1.6E-99	8.61E-99	0.293149	chr10_510601_510800	sig	hyper
chr10	511801	512000	*	1.254E-84	5.551E-84	0.249088	chr10_511801_512000	sig	hyper
chr10	522801	523000	*	2.63E-45	6.487E-45	-0.12061	chr10_522801_523000	sig	hypo
chr10	571201	571400	*	1.961E-62	6.332E-62	0.262972	chr10_571201_571400	sig	hyper
chr10	607601	607800	*	2.076E-44	5.054E-44	0.193319	chr10_607601_607800	sig	hyper
chr10	618801	619000	*	2.2E-64	7.325E-64	0.208311	chr10_618801_619000	sig	hyper
chr10	625401	625600	*	2.5E-155	2.84E-154	0.253483	chr10_625401_625600	sig	hyper
chr10	625601	625800	*	3.864E-23	6.225E-23	0.100546	chr10_625601_625800	sig	hyper
chr10	633201	633400	*	7.604E-85	3.377E-84	0.160527	chr10_633201_633400	sig	hyper
chr10	633401	633600	*	0	0	0.311718	chr10_633401_633600	sig	hyper
chr10	636801	637000	*	6.364E-33	1.262E-32	-0.13676	chr10_636801_637000	sig	hypo
chr10	663601	663800	*	5.407E-30	1.011E-29	0.100676	chr10_663601_663800	sig	hyper
chr10	665601	665800	*	5.16E-111	3.27E-110	0.179594	chr10_665601_665800	sig	hyper
chr10	666001	666200	*	3.302E-74	1.261E-73	0.171766	chr10_666001_666200	sig	hyper
chr10	683201	683400	*	8.669E-72	3.199E-71	0.19664	chr10_683201_683400	sig	hyper
chr10	683401	683600	*	2.218E-38	4.874E-38	0.148704	chr10_683401_683600	sig	hyper
chr10	683601	683800	*	1.768E-51	4.815E-51	0.189154	chr10_683601_683800	sig	hyper
chr10	774201	774400	*	1.105E-39	2.482E-39	-0.13371	chr10_774201_774400	sig	hypo
chr10	774401	774600	*	9.609E-25	1.608E-24	-0.12002	chr10_774401_774600	sig	hypo
chr10	774801	775000	*	1.552E-65	5.25E-65	-0.13485	chr10_774801_775000	sig	hypo
chr10	785801	786000	*	4.807E-27	8.473E-27	-0.13407	chr10_785801_786000	sig	hypo
chr10	788401	788600	*	2.108E-61	6.696E-61	-0.1953	chr10_788401_788600	sig	hypo
chr10	810401	810600	*	7.158E-42	1.671E-41	0.148247	chr10_810401_810600	sig	hyper
chr10	965401	965600	*	4.504E-40	1.019E-39	0.157756	chr10_965401_965600	sig	hyper
chr10	1098601	1098800	*	2.497E-12	2.958E-12	0.106308	chr10_1098601_1098800	sig	hyper
chr10	1110201	1110400	*	1.396E-30	2.642E-30	-0.13667	chr10_1110201_1110400	sig	hypo
chr10	1150601	1150800	*	1.211E-25	2.068E-25	-0.10785	chr10_1150601_1150800	sig	hypo
chr10	1158201	1158400	*	8.228E-34	1.66E-33	-0.10312	chr10_1158201_1158400	sig	hypo
chr10	1160601	1160800	*	9.261E-47	2.344E-46	-0.10467	chr10_1160601_1160800	sig	hypo
chr10	1173201	1173400	*	6.023E-57	1.793E-56	-0.17158	chr10_1173201_1173400	sig	hypo
chr10	1173401	1173600	*	4.74E-131	3.89E-130	-0.32581	chr10_1173401_1173600	sig	hypo
chr10	1176401	1176600	*	1.201E-17	1.677E-17	-0.11508	chr10_1176401_1176600	sig	hypo
chr10	1182401	1182600	*	3.96E-167	5.29E-166	-0.34977	chr10_1182401_1182600	sig	hypo
chr10	1201401	1201600	*	1.803E-45	4.458E-45	-0.15561	chr10_1201401_1201600	sig	hypo
chr10	1210401	1210600	*	1.735E-20	2.615E-20	-0.11768	chr10_1210401_1210600	sig	hypo
chr10	1212001	1212200	*	1.639E-38	3.612E-38	-0.19785	chr10_1212001_1212200	sig	hypo

chr10	1403001	1403200	*	1.249E-44	3.051E-44	-0.13976	chr10_1403001_1403200	sig	hypo
chr10	1405001	1405200	*	3.441E-32	6.72E-32	0.137132	chr10_1405001_1405200	sig	hyper
chr10	1409401	1409600	*	6.427E-25	1.079E-24	-0.10065	chr10_1409401_1409600	sig	hypo
chr10	1410801	1411000	*	7.937E-39	1.758E-38	-0.12118	chr10_1410801_1411000	sig	hypo
chr10	1467801	1468000	*	1.727E-17	2.399E-17	-0.12142	chr10_1467801_1468000	sig	hypo
chr10	1474801	1475000	*	8.611E-39	1.906E-38	0.15891	chr10_1474801_1475000	sig	hyper
chr10	1478601	1478800	*	6.21E-133	5.22E-132	-0.26093	chr10_1478601_1478800	sig	hypo
chr10	1509001	1509200	*	1.415E-17	1.971E-17	0.100509	chr10_1509001_1509200	sig	hyper
chr10	1553801	1554000	*	2.331E-16	3.138E-16	-0.12545	chr10_1553801_1554000	sig	hypo
chr10	2083601	2083800	*	2.143E-56	6.329E-56	-0.12968	chr10_2083601_2083800	sig	hypo
chr10	2315001	2315200	*	6.117E-51	1.652E-50	-0.16943	chr10_2315001_2315200	sig	hypo
chr10	2936401	2936600	*	5.127E-41	1.178E-40	-0.11956	chr10_2936401_2936600	sig	hypo
chr10	3066201	3066400	*	2.414E-18	3.437E-18	0.101445	chr10_3066201_3066400	sig	hyper
chr10	3118601	3118800	*	8.958E-58	2.701E-57	-0.24853	chr10_3118601_3118800	sig	hypo
chr10	3118801	3119000	*	2.81E-141	2.63E-140	-0.2093	chr10_3118801_3119000	sig	hypo
chr10	3127001	3127200	*	7.25E-112	4.65E-111	0.328341	chr10_3127001_3127200	sig	hyper
chr10	3173601	3173800	*	1.073E-49	2.848E-49	-0.18434	chr10_3173601_3173800	sig	hypo
chr10	3287601	3287800	*	2.92E-256	1.27E-254	-0.31897	chr10_3287601_3287800	sig	hypo
chr10	3288201	3288400	*	4.63E-214	1.17E-212	-0.32673	chr10_3288201_3288400	sig	hypo
chr10	5546001	5546200	*	1.581E-63	5.203E-63	-0.22591	chr10_5546001_5546200	sig	hypo
chr10	6120801	6121000	*	3.766E-16	5.035E-16	-0.12115	chr10_6120801_6121000	sig	hypo
chr10	6141801	6142000	*	2.115E-17	2.931E-17	-0.11675	chr10_6141801_6142000	sig	hypo
chr10	6143801	6144000	*	4.89E-20	7.29E-20	-0.10216	chr10_6143801_6144000	sig	hypo
chr10	6179201	6179400	*	9.87E-111	6.22E-110	0.259333	chr10_6179201_6179400	sig	hyper
chr10	6191601	6191800	*	2.114E-82	9.068E-82	0.179374	chr10_6191601_6191800	sig	hyper
chr10	6191801	6192000	*	1.899E-41	4.399E-41	0.145981	chr10_6191801_6192000	sig	hyper
chr10	6228401	6228600	*	6.7E-20	9.947E-20	-0.11629	chr10_6228401_6228600	sig	hypo
chr10	7407601	7407800	*	1.953E-52	5.401E-52	0.199192	chr10_7407601_7407800	sig	hyper
chr10	7408401	7408600	*	1.35E-212	3.36E-211	0.294103	chr10_7408401_7408600	sig	hyper
chr10	7409801	7410000	*	1.5E-114	9.98E-114	0.251418	chr10_7409801_7410000	sig	hyper
chr10	7410801	7411000	*	7.67E-105	4.44E-104	0.174117	chr10_7410801_7411000	sig	hyper
chr10	7411401	7411600	*	6.82E-153	7.55E-152	0.231264	chr10_7411401_7411600	sig	hyper
chr10	7411801	7412000	*	1.688E-93	8.427E-93	0.360768	chr10_7411801_7412000	sig	hyper
chr10	7412001	7412200	*	2.134E-63	7.003E-63	0.306358	chr10_7412001_7412200	sig	hyper
chr10	7412601	7412800	*	1.35E-146	1.37E-145	0.305171	chr10_7412601_7412800	sig	hyper
chr10	7531401	7531600	*	2.009E-26	3.495E-26	-0.11161	chr10_7531401_7531600	sig	hypo
chr10	7531601	7531800	*	7.68E-35	1.583E-34	-0.1251	chr10_7531601_7531800	sig	hypo
chr10	7561801	7562000	*	2.019E-29	3.73E-29	0.170214	chr10_7561801_7562000	sig	hyper
chr10	7575601	7575800	*	2.616E-27	4.639E-27	-0.14112	chr10_7575601_7575800	sig	hypo
chr10	7666201	7666400	*	3.55E-202	7.71E-201	0.243032	chr10_7666201_7666400	sig	hyper
chr10	8036001	8036200	*	2.586E-88	1.206E-87	0.289088	chr10_8036001_8036200	sig	hyper
chr10	8036201	8036400	*	9.328E-62	2.986E-61	0.214958	chr10_8036201_8036400	sig	hyper
chr10	8037201	8037400	*	4.66E-127	3.63E-126	0.209443	chr10_8037201_8037400	sig	hyper
chr10	8037401	8037600	*	1.28E-151	1.4E-150	0.203948	chr10_8037401_8037600	sig	hyper
chr10	8046801	8047000	*	1.986E-78	8.058E-78	0.181778	chr10_8046801_8047000	sig	hyper
chr10	8047601	8047800	*	6.09E-121	4.38E-120	0.220218	chr10_8047601_8047800	sig	hyper
chr10	8051201	8051400	*	9.9E-135	8.52E-134	0.191875	chr10_8051201_8051400	sig	hyper
chr10	8051401	8051600	*	4.92E-99	2.642E-98	0.241185	chr10_8051401_8051600	sig	hyper
chr10	8054201	8054400	*	2.341E-61	7.43E-61	0.1024	chr10_8054201_8054400	sig	hyper
chr10	8055001	8055200	*	6.77E-88	3.138E-87	0.134816	chr10_8055001_8055200	sig	hyper
chr10	8055201	8055400	*	3.13E-101	1.73E-100	0.237927	chr10_8055201_8055400	sig	hyper
chr10	8057001	8057200	*	1.861E-54	5.329E-54	-0.24901	chr10_8057001_8057200	sig	hypo
chr10	8331401	8331600	*	2.075E-24	3.441E-24	-0.10754	chr10_8331401_8331600	sig	hypo
chr10	1.1E+07	1.1E+07	*	1.193E-92	5.875E-92	0.240409	chr10_11164801_111650(	sig	hyper
chr10	1.1E+07	1.1E+07	*	1.662E-70	6.021E-70	0.188055	chr10_11165401_111656(	sig	hyper
chr10	1.1E+07	1.1E+07	*	6.706E-27	1.179E-26	0.150153	chr10_11165801_111660(	sig	hyper

chr10	1.2E+07	1.2E+07	*	1.39E-110	8.74E-110	0.160794	chr10_11742001_117422(	sig	hyper
chr10	1.2E+07	1.2E+07	*	4.5E-104	2.58E-103	-0.18034	chr10_11892201_118924(	sig	hypo
chr10	1.4E+07	1.4E+07	*	2.01E-142	1.91E-141	0.20831	chr10_13890801_138910(	sig	hyper
chr10	1.4E+07	1.4E+07	*	4.455E-98	2.367E-97	0.237478	chr10_13891401_138916(	sig	hyper
chr10	1.4E+07	1.4E+07	*	3.55E-127	2.78E-126	0.277384	chr10_13891601_138918(	sig	hyper
chr10	1.4E+07	1.4E+07	*	1.88E-103	1.07E-102	0.28935	chr10_13892201_138924(	sig	hyper
chr10	1.5E+07	1.5E+07	*	3.84E-46	9.601E-46	0.131841	chr10_15103201_151034(	sig	hyper
chr10	1.6E+07	1.6E+07	*	3.61E-118	2.5E-117	0.224421	chr10_15719201_157194(	sig	hyper
chr10	1.6E+07	1.6E+07	*	2.477E-92	1.214E-91	0.272791	chr10_15719401_157196(	sig	hyper
chr10	1.7E+07	1.7E+07	*	1.381E-24	2.303E-24	0.140555	chr10_16519401_165196(	sig	hyper
chr10	1.7E+07	1.7E+07	*	3.641E-41	8.389E-41	0.199969	chr10_16519601_165198(	sig	hyper
chr10	1.7E+07	1.7E+07	*	2.98E-133	2.52E-132	0.322415	chr10_16520601_165208(	sig	hyper
chr10	1.7E+07	1.7E+07	*	8.843E-28	1.582E-27	0.138257	chr10_16521601_165218(	sig	hyper
chr10	1.7E+07	1.7E+07	*	2.999E-92	1.468E-91	0.110509	chr10_17229401_172296(	sig	hyper
chr10	1.7E+07	1.7E+07	*	5.403E-77	2.149E-76	0.102762	chr10_17229801_172300(	sig	hyper
chr10	2.1E+07	2.1E+07	*	1.42E-49	3.764E-49	-0.15864	chr10_21167001_211672(	sig	hypo
chr10	2.1E+07	2.1E+07	*	2.626E-32	5.142E-32	-0.10066	chr10_21174801_211750(	sig	hypo
chr10	2.1E+07	2.1E+07	*	4.83E-137	4.28E-136	-0.32247	chr10_21175201_211754(	sig	hypo
chr10	2.2E+07	2.2E+07	*	9.148E-28	1.636E-27	-0.17148	chr10_21507201_215074(	sig	hypo
chr10	2.2E+07	2.2E+07	*	1.45E-159	1.74E-158	0.201163	chr10_22335001_223352(	sig	hyper
chr10	2.2E+07	2.2E+07	*	1.63E-180	2.6E-179	0.133299	chr10_22335201_223354(	sig	hyper
chr10	2.2E+07	2.2E+07	*	1.363E-86	6.194E-86	0.119647	chr10_22335401_223356(	sig	hyper
chr10	2.2E+07	2.2E+07	*	6.29E-206	1.42E-204	0.249544	chr10_22345001_223452(	sig	hyper
chr10	2.2E+07	2.2E+07	*	0	0	0.320667	chr10_22345201_223454(	sig	hyper
chr10	2.2E+07	2.2E+07	*	3.563E-84	1.565E-83	0.366071	chr10_22345601_223458(	sig	hyper
chr10	2.2E+07	2.2E+07	*	1.271E-68	4.484E-68	0.214151	chr10_22476001_224762(	sig	hyper
chr10	2.2E+07	2.2E+07	*	3.267E-26	5.655E-26	0.153444	chr10_22477001_224772(	sig	hyper
chr10	2.2E+07	2.2E+07	*	1.102E-79	4.559E-79	0.26852	chr10_22477201_224774(	sig	hyper
chr10	2.3E+07	2.3E+07	*	3.377E-50	9.03E-50	0.233857	chr10_22928201_229284(	sig	hyper
chr10	2.3E+07	2.3E+07	*	2.672E-38	5.862E-38	0.164916	chr10_23171601_231718(	sig	hyper
chr10	2.3E+07	2.3E+07	*	2.27E-100	1.24E-99	0.300791	chr10_23172601_231728(	sig	hyper
chr10	2.3E+07	2.3E+07	*	0	0	0.370895	chr10_23173201_231734(	sig	hyper
chr10	2.3E+07	2.3E+07	*	1.14E-109	7.05E-109	0.244714	chr10_23174401_231746(	sig	hyper
chr10	2.3E+07	2.3E+07	*	1.89E-164	2.44E-163	0.280076	chr10_23191001_231912(	sig	hyper
chr10	2.3E+07	2.3E+07	*	1.12E-241	4.05E-240	0.260699	chr10_23191201_231914(	sig	hyper
chr10	2.3E+07	2.3E+07	*	5.634E-87	2.572E-86	0.332908	chr10_23192401_231926(	sig	hyper
chr10	2.3E+07	2.3E+07	*	1.138E-95	5.864E-95	0.321177	chr10_23192601_231928(	sig	hyper
chr10	2.3E+07	2.3E+07	*	3.576E-73	1.343E-72	0.240055	chr10_23195801_231960(	sig	hyper
chr10	2.3E+07	2.3E+07	*	9.82E-160	1.18E-158	0.407062	chr10_23200201_232004(	sig	hyper
chr10	2.3E+07	2.3E+07	*	1.33E-143	1.28E-142	0.323263	chr10_23200801_232010(	sig	hyper
chr10	2.3E+07	2.3E+07	*	5.89E-104	3.36E-103	0.277589	chr10_23203801_232040(	sig	hyper
chr10	2.4E+07	2.4E+07	*	4.12E-181	6.64E-180	0.274612	chr10_23693401_236936(	sig	hyper
chr10	2.4E+07	2.4E+07	*	4.19E-185	7.15E-184	0.259056	chr10_23693601_236938(	sig	hyper
chr10	2.4E+07	2.4E+07	*	1.127E-61	3.604E-61	-0.19463	chr10_24176801_241770(	sig	hypo
chr10	2.5E+07	2.5E+07	*	1.26E-231	3.92E-230	0.252071	chr10_25176401_251766(	sig	hyper
chr10	2.6E+07	2.6E+07	*	3.16E-134	2.7E-133	0.265359	chr10_25933801_259340(	sig	hyper
chr10	2.6E+07	2.6E+07	*	1.44E-169	1.99E-168	0.267737	chr10_25934001_259342(	sig	hyper
chr10	2.6E+07	2.6E+07	*	4.51E-145	4.45E-144	0.220831	chr10_25935001_259352(	sig	hyper
chr10	2.6E+07	2.6E+07	*	2.088E-76	8.233E-76	0.306444	chr10_26211601_262118(	sig	hyper
chr10	2.6E+07	2.6E+07	*	3.276E-85	1.461E-84	0.265557	chr10_26212001_262122(	sig	hyper
chr10	2.6E+07	2.6E+07	*	1.68E-104	9.68E-104	0.334844	chr10_26215201_262154(	sig	hyper
chr10	2.6E+07	2.6E+07	*	1.39E-159	1.68E-158	0.283826	chr10_26218401_262186(	sig	hyper
chr10	2.7E+07	2.7E+07	*	2.385E-11	2.725E-11	0.102415	chr10_26567401_265676(	sig	hyper
chr10	2.7E+07	2.7E+07	*	4.104E-22	6.437E-22	-0.11161	chr10_26696801_266970(	sig	hypo
chr10	2.7E+07	2.7E+07	*	2.397E-80	1E-79	0.184077	chr10_26946601_269468(	sig	hyper
chr10	2.7E+07	2.7E+07	*	3.37E-33	6.724E-33	0.140298	chr10_27252401_272526(	sig	hyper

chr10	2.7E+07	2.7E+07	*	4.18E-127	3.26E-126	0.107583	chr10_27258801_272590(	sig	hyper
chr10	2.7E+07	2.7E+07	*	1.07E-103	6.11E-103	-0.204	chr10_27320201_273204(	sig	hypo
chr10	2.7E+07	2.7E+07	*	8.366E-86	3.76E-85	0.187736	chr10_27413401_274136(	sig	hyper
chr10	2.7E+07	2.7E+07	*	5.42E-104	3.09E-103	0.276329	chr10_27413601_274138(	sig	hyper
chr10	2.8E+07	2.8E+07	*	1.18E-100	6.45E-100	0.245871	chr10_27744801_277450(	sig	hyper
chr10	2.8E+07	2.8E+07	*	7.77E-168	1.05E-166	0.259287	chr10_27745001_277452(	sig	hyper
chr10	2.8E+07	2.8E+07	*	3.98E-245	1.51E-243	0.23593	chr10_27746201_277464(	sig	hyper
chr10	2.8E+07	2.8E+07	*	9.95E-99	5.32E-98	0.253082	chr10_27746601_277468(	sig	hyper
chr10	2.8E+07	2.8E+07	*	4.29E-124	3.22E-123	0.284444	chr10_27746801_277470(	sig	hyper
chr10	2.8E+07	2.8E+07	*	5.06E-119	3.54E-118	0.112468	chr10_27999001_279992(	sig	hyper
chr10	2.8E+07	2.8E+07	*	6.904E-86	3.107E-85	0.245709	chr10_27999201_279994(	sig	hyper
chr10	2.9E+07	2.9E+07	*	1.599E-31	3.079E-31	0.126395	chr10_28925201_289254(	sig	hyper
chr10	2.9E+07	2.9E+07	*	1.09E-134	9.39E-134	0.285459	chr10_29470401_294706(	sig	hyper
chr10	3E+07	3E+07	*	1.342E-29	2.489E-29	-0.11799	chr10_30431601_304318(	sig	hypo
chr10	3.6E+07	3.6E+07	*	4.11E-116	2.79E-115	0.309224	chr10_35608001_356082(	sig	hyper
chr10	3.7E+07	3.7E+07	*	2.631E-20	3.948E-20	-0.1411	chr10_36818001_368182(	sig	hypo
chr10	3.8E+07	3.8E+07	*	1.627E-30	3.073E-30	0.157864	chr10_37681001_376812(	sig	hyper
chr10	3.8E+07	3.8E+07	*	7.284E-23	1.165E-22	-0.10607	chr10_37701401_377016(	sig	hypo
chr10	4.2E+07	4.2E+07	*	5.935E-94	2.979E-93	0.263419	chr10_42242601_422428(	sig	hyper
chr10	4.2E+07	4.2E+07	*	1.28E-118	8.96E-118	0.269845	chr10_42368001_423682(	sig	hyper
chr10	4.2E+07	4.2E+07	*	5.299E-35	1.095E-34	0.176476	chr10_42475601_424758(	sig	hyper
chr10	4.3E+07	4.3E+07	*	2.269E-11	2.595E-11	0.114395	chr10_42752401_427526(	sig	hyper
chr10	4.3E+07	4.3E+07	*	5.993E-56	1.757E-55	0.103884	chr10_42754401_427546(	sig	hyper
chr10	4.3E+07	4.3E+07	*	1.825E-89	8.64E-89	0.222825	chr10_42755201_427554(	sig	hyper
chr10	4.3E+07	4.3E+07	*	1.179E-69	4.221E-69	0.314907	chr10_42898601_428988(	sig	hyper
chr10	4.3E+07	4.3E+07	*	1.33E-126	1.03E-125	0.169211	chr10_42933001_429332(	sig	hyper
chr10	4.3E+07	4.3E+07	*	7.221E-63	2.346E-62	0.10541	chr10_43076601_430768(	sig	hyper
chr10	4.3E+07	4.3E+07	*	3.599E-45	8.854E-45	0.141512	chr10_43105201_431054(	sig	hyper
chr10	4.3E+07	4.3E+07	*	4.693E-32	9.142E-32	-0.13313	chr10_43131001_431312(	sig	hypo
chr10	4.3E+07	4.3E+07	*	5.248E-20	7.817E-20	-0.10967	chr10_43215801_432160(	sig	hypo
chr10	4.4E+07	4.4E+07	*	2.08E-132	1.74E-131	0.300219	chr10_43573801_435740(	sig	hyper
chr10	4.4E+07	4.4E+07	*	1.937E-51	5.272E-51	0.191921	chr10_43690601_436908(	sig	hyper
chr10	4.4E+07	4.4E+07	*	9.242E-52	2.531E-51	0.10502	chr10_43728401_437286(	sig	hyper
chr10	4.4E+07	4.4E+07	*	3.522E-23	5.68E-23	0.184704	chr10_44293201_442934(	sig	hyper
chr10	4.4E+07	4.4E+07	*	9.02E-24	1.474E-23	0.175653	chr10_44293401_442936(	sig	hyper
chr10	4.5E+07	4.5E+07	*	5.7E-36	1.197E-35	-0.15853	chr10_45000201_450004(	sig	hypo
chr10	4.5E+07	4.5E+07	*	9.892E-44	2.38E-43	-0.12543	chr10_45224401_452246(	sig	hypo
chr10	4.5E+07	4.5E+07	*	1.018E-74	3.915E-74	0.15561	chr10_45419001_454192(	sig	hyper
chr10	4.6E+07	4.6E+07	*	1.895E-32	3.72E-32	0.145142	chr10_45600801_456010(	sig	hyper
chr10	4.7E+07	4.7E+07	*	2.123E-60	6.656E-60	0.349594	chr10_46578001_465782(	sig	hyper
chr10	4.7E+07	4.7E+07	*	4.764E-66	1.623E-65	0.147458	chr10_46911201_469114(	sig	hyper
chr10	4.7E+07	4.7E+07	*	2.826E-45	6.969E-45	0.192003	chr10_47300601_473008(	sig	hyper
chr10	4.7E+07	4.7E+07	*	3.667E-60	1.145E-59	0.247591	chr10_47375201_473754(	sig	hyper
chr10	4.9E+07	4.9E+07	*	2.094E-91	1.018E-90	-0.23136	chr10_48685201_486854(	sig	hypo
chr10	4.9E+07	4.9E+07	*	1.376E-52	3.818E-52	0.169104	chr10_48745801_487460(	sig	hyper
chr10	4.9E+07	4.9E+07	*	2.62E-250	1.06E-248	0.306737	chr10_49115001_491152(	sig	hyper
chr10	4.9E+07	4.9E+07	*	9.65E-105	5.58E-104	-0.23512	chr10_49322601_493228(	sig	hypo
chr10	4.9E+07	4.9E+07	*	2.63E-117	1.81E-116	0.300995	chr10_49396401_493966(	sig	hyper
chr10	4.9E+07	4.9E+07	*	1.066E-68	3.766E-68	0.225887	chr10_49397001_493972(	sig	hyper
chr10	4.9E+07	4.9E+07	*	4.564E-49	1.201E-48	0.138525	chr10_49441601_494418(	sig	hyper
chr10	4.9E+07	4.9E+07	*	9.779E-48	2.516E-47	0.251977	chr10_49441801_494420(	sig	hyper
chr10	5E+07	5E+07	*	1.59E-112	1.03E-111	0.302483	chr10_49608801_496090(	sig	hyper
chr10	5E+07	5E+07	*	2.2E-179	3.47E-178	0.387318	chr10_49609201_496094(	sig	hyper
chr10	5E+07	5E+07	*	2.77E-27	4.909E-27	0.124425	chr10_49613001_496132(	sig	hyper
chr10	5E+07	5E+07	*	8.55E-169	1.17E-167	0.273777	chr10_49613401_496136(	sig	hyper
chr10	5E+07	5E+07	*	1.22E-190	2.25E-189	0.283687	chr10_49614601_496148(	sig	hyper

chr10	5E+07	5E+07	*	3.34E-185	5.71E-184	0.247645	chr10_49679401_496796(	sig	hyper
chr10	5E+07	5E+07	*	2.99E-108	1.81E-107	0.250807	chr10_49679601_496798(	sig	hyper
chr10	5E+07	5E+07	*	2.204E-45	5.441E-45	0.242343	chr10_49769001_497692(	sig	hyper
chr10	5E+07	5E+07	*	9.682E-96	4.996E-95	0.28926	chr10_50024601_500248(	sig	hyper
chr10	5E+07	5E+07	*	1.11E-218	2.96E-217	0.293748	chr10_50024801_500250(	sig	hyper
chr10	5E+07	5E+07	*	3.432E-44	8.32E-44	0.122391	chr10_50152801_501530(	sig	hyper
chr10	5.1E+07	5.1E+07	*	9.83E-111	6.2E-110	-0.22849	chr10_50674801_506750(	sig	hypo
chr10	5.1E+07	5.1E+07	*	5.045E-44	1.219E-43	0.159765	chr10_51075201_510754(	sig	hyper
chr10	5.2E+07	5.2E+07	*	5.55E-115	3.72E-114	0.121366	chr10_52308601_523088(	sig	hyper
chr10	5.2E+07	5.2E+07	*	6.27E-60	1.95E-59	0.23025	chr10_52411001_524112(	sig	hyper
chr10	5.3E+07	5.3E+07	*	2.134E-34	4.361E-34	0.237881	chr10_52778401_527786(	sig	hyper
chr10	5.3E+07	5.3E+07	*	7.801E-31	1.484E-30	-0.12524	chr10_52871401_528716(	sig	hypo
chr10	5.3E+07	5.3E+07	*	2.896E-41	6.687E-41	-0.19199	chr10_52884001_528842(	sig	hypo
chr10	5.4E+07	5.4E+07	*	1.492E-37	3.237E-37	-0.13323	chr10_53827401_538276(	sig	hypo
chr10	5.6E+07	5.6E+07	*	5.99E-164	7.68E-163	0.291499	chr10_55627801_556280(	sig	hyper
chr10	5.6E+07	5.6E+07	*	3.14E-178	4.87E-177	0.252579	chr10_55628201_556284(	sig	hyper
chr10	5.6E+07	5.6E+07	*	0	0	0.327611	chr10_55628401_556286(	sig	hyper
chr10	5.6E+07	5.6E+07	*	4.51E-140	4.15E-139	0.281626	chr10_55628601_556288(	sig	hyper
chr10	5.6E+07	5.6E+07	*	1.02E-275	5.65E-274	0.340872	chr10_55630001_556302(	sig	hyper
chr10	5.6E+07	5.6E+07	*	3.22E-101	1.77E-100	0.336779	chr10_55631201_556314(	sig	hyper
chr10	5.8E+07	5.8E+07	*	8.675E-77	3.443E-76	0.261328	chr10_58327001_583272(	sig	hyper
chr10	5.9E+07	5.9E+07	*	1.328E-82	5.716E-82	0.194215	chr10_59175801_591760(	sig	hyper
chr10	5.9E+07	5.9E+07	*	1.67E-105	9.75E-105	0.17278	chr10_59176001_591762(	sig	hyper
chr10	5.9E+07	5.9E+07	*	3.45E-114	2.28E-113	0.180946	chr10_59177001_591772(	sig	hyper
chr10	5.9E+07	5.9E+07	*	6.351E-52	1.743E-51	0.144141	chr10_59177201_591774(	sig	hyper
chr10	6.1E+07	6.1E+07	*	9.38E-180	1.49E-178	-0.28289	chr10_60732401_607326(	sig	hypo
chr10	6.1E+07	6.1E+07	*	5.764E-47	1.465E-46	0.153975	chr10_61453601_614538(	sig	hyper
chr10	6.2E+07	6.2E+07	*	3.433E-24	5.664E-24	-0.14999	chr10_61897201_618974(	sig	hypo
chr10	6.4E+07	6.4E+07	*	2.008E-16	2.71E-16	0.111215	chr10_64041601_640418(	sig	hyper
chr10	6.9E+07	6.9E+07	*	7.6E-129	6.04E-128	0.297525	chr10_68562001_685622(	sig	hyper
chr10	6.9E+07	6.9E+07	*	2.201E-66	7.532E-66	-0.19925	chr10_69103801_691040(	sig	hypo
chr10	6.9E+07	6.9E+07	*	3.311E-36	7.001E-36	0.168908	chr10_69278401_692786(	sig	hyper
chr10	6.9E+07	6.9E+07	*	2.425E-30	4.564E-30	0.100448	chr10_69416001_694162(	sig	hyper
chr10	6.9E+07	6.9E+07	*	4.669E-46	1.166E-45	0.212399	chr10_69416601_694168(	sig	hyper
chr10	7E+07	7E+07	*	6.94E-212	1.71E-210	0.399782	chr10_69569201_695694(	sig	hyper
chr10	7E+07	7E+07	*	5.32E-158	6.26E-157	0.267581	chr10_69571801_695720(	sig	hyper
chr10	7E+07	7E+07	*	1.065E-58	3.253E-58	0.26582	chr10_69578601_695788(	sig	hyper
chr10	7E+07	7E+07	*	5.546E-20	8.255E-20	0.106269	chr10_70054001_700542(	sig	hyper
chr10	7E+07	7E+07	*	6.23E-159	7.42E-158	-0.38161	chr10_70256401_702566(	sig	hypo
chr10	7E+07	7E+07	*	2.8E-143	2.69E-142	0.318773	chr10_70283601_702838(	sig	hyper
chr10	7E+07	7E+07	*	5.89E-73	2.204E-72	0.296388	chr10_70283801_702840(	sig	hyper
chr10	7E+07	7E+07	*	5.913E-42	1.382E-41	0.114115	chr10_70440801_704410(	sig	hyper
chr10	7E+07	7E+07	*	2.78E-83	1.206E-82	0.121099	chr10_70441001_704412(	sig	hyper
chr10	7E+07	7E+07	*	4.511E-59	1.385E-58	-0.21074	chr10_70441801_704420(	sig	hypo
chr10	7E+07	7E+07	*	6.49E-179	1.02E-177	-0.32365	chr10_70442001_704422(	sig	hypo
chr10	7.1E+07	7.1E+07	*	8.035E-89	3.778E-88	0.301739	chr10_70552001_705522(	sig	hyper
chr10	7.1E+07	7.1E+07	*	1.51E-142	1.44E-141	0.28255	chr10_70552201_705524(	sig	hyper
chr10	7.1E+07	7.1E+07	*	2.214E-52	6.119E-52	-0.13663	chr10_70603001_706032(	sig	hypo
chr10	7.1E+07	7.1E+07	*	2.323E-28	4.2E-28	0.192867	chr10_70694001_706942(	sig	hyper
chr10	7.1E+07	7.1E+07	*	4.55E-26	7.852E-26	0.130397	chr10_70694201_706944(	sig	hyper
chr10	7.1E+07	7.1E+07	*	1.479E-42	3.491E-42	-0.22099	chr10_71316801_713170(	sig	hypo
chr10	7.2E+07	7.2E+07	*	1.656E-19	2.433E-19	-0.12418	chr10_71665601_716658(	sig	hypo
chr10	7.2E+07	7.2E+07	*	1.145E-15	1.514E-15	0.126088	chr10_71713401_717136(	sig	hyper
chr10	7.2E+07	7.2E+07	*	5.629E-34	1.14E-33	-0.16982	chr10_71727001_717272(	sig	hypo
chr10	7.2E+07	7.2E+07	*	4.067E-39	9.055E-39	-0.19358	chr10_71806201_718064(	sig	hypo
chr10	7.2E+07	7.2E+07	*	9.47E-114	6.23E-113	0.295055	chr10_71963401_719636(	sig	hyper

chr10	7.2E+07	7.2E+07	*	4.195E-84	1.841E-83	0.321458	chr10_72009201_720094(	sig	hyper
chr10	7.2E+07	7.2E+07	*	3.211E-17	4.426E-17	0.102662	chr10_72088601_720888(	sig	hyper
chr10	7.2E+07	7.2E+07	*	4.358E-34	8.846E-34	-0.16949	chr10_72217001_722172(	sig	hypo
chr10	7.3E+07	7.3E+07	*	1.465E-74	5.62E-74	-0.15892	chr10_73413001_734132(	sig	hypo
chr10	7.4E+07	7.4E+07	*	2.187E-51	5.947E-51	-0.2122	chr10_73910601_739108(	sig	hypo
chr10	7.5E+07	7.5E+07	*	1.292E-33	2.595E-33	-0.19868	chr10_75099401_750996(	sig	hypo
chr10	7.5E+07	7.5E+07	*	1.324E-08	1.346E-08	-0.10961	chr10_75395201_753954(	sig	hypo
chr10	7.5E+07	7.5E+07	*	2.117E-79	8.727E-79	-0.1295	chr10_75404201_754044(	sig	hypo
chr10	7.5E+07	7.5E+07	*	6.33E-196	1.26E-194	-0.28068	chr10_75405201_754054(	sig	hypo
chr10	7.5E+07	7.5E+07	*	2.67E-113	1.75E-112	0.267363	chr10_75408401_754086(	sig	hyper
chr10	7.5E+07	7.5E+07	*	2.648E-74	1.012E-73	0.259127	chr10_75408601_754088(	sig	hyper
chr10	7.5E+07	7.5E+07	*	9.609E-45	2.351E-44	0.173193	chr10_75408801_754090(	sig	hyper
chr10	7.6E+07	7.6E+07	*	1.003E-23	1.638E-23	0.111989	chr10_76111801_761120(	sig	hyper
chr10	7.8E+07	7.8E+07	*	3.697E-43	8.813E-43	0.131493	chr10_77636201_776364(	sig	hyper
chr10	7.8E+07	7.8E+07	*	2.029E-29	3.749E-29	0.124129	chr10_77636401_776366(	sig	hyper
chr10	7.8E+07	7.8E+07	*	1.575E-30	2.977E-30	0.117955	chr10_77636801_776370(	sig	hyper
chr10	7.8E+07	7.8E+07	*	1.08E-153	1.2E-152	0.271622	chr10_77711201_777114(	sig	hyper
chr10	7.8E+07	7.8E+07	*	3.703E-31	7.086E-31	-0.11851	chr10_77711801_777120(	sig	hypo
chr10	7.8E+07	7.8E+07	*	6.702E-96	3.468E-95	0.15907	chr10_77927401_779276(	sig	hyper
chr10	7.9E+07	7.9E+07	*	1.26E-254	5.34E-253	0.279868	chr10_79240001_792402(	sig	hyper
chr10	7.9E+07	7.9E+07	*	1.017E-38	2.249E-38	0.143396	chr10_79242601_792428(	sig	hyper
chr10	7.9E+07	7.9E+07	*	8.928E-78	3.591E-77	0.181732	chr10_79242801_792430(	sig	hyper
chr10	7.9E+07	7.9E+07	*	3.045E-93	1.511E-92	0.220836	chr10_79243801_792440(	sig	hyper
chr10	7.9E+07	7.9E+07	*	5.29E-217	1.39E-215	0.240295	chr10_79382401_793826(	sig	hyper
chr10	8E+07	8E+07	*	1.998E-28	3.617E-28	0.143951	chr10_79838601_798388(	sig	hyper
chr10	8E+07	8E+07	*	1.839E-45	4.546E-45	0.126337	chr10_79904601_799048(	sig	hyper
chr10	8E+07	8E+07	*	1.55E-104	8.93E-104	0.148909	chr10_79905201_799054(	sig	hyper
chr10	8E+07	8E+07	*	7.929E-38	1.728E-37	0.193457	chr10_79983201_799834(	sig	hyper
chr10	8E+07	8E+07	*	2.518E-90	1.207E-89	0.21586	chr10_80356601_803568(	sig	hyper
chr10	8.1E+07	8.1E+07	*	1.1E-136	9.71E-136	-0.22551	chr10_80535601_805358(	sig	hypo
chr10	8.1E+07	8.1E+07	*	4.581E-23	7.37E-23	-0.11324	chr10_80536201_805364(	sig	hypo
chr10	8.2E+07	8.2E+07	*	2.936E-44	7.128E-44	-0.10523	chr10_81502601_815028(	sig	hypo
chr10	8.2E+07	8.2E+07	*	1.831E-88	8.562E-88	0.199042	chr10_81876401_818766(	sig	hyper
chr10	8.4E+07	8.4E+07	*	6.49E-151	7.03E-150	0.249016	chr10_84237401_842376(	sig	hyper
chr10	8.6E+07	8.6E+07	*	7.07E-165	9.17E-164	0.247897	chr10_86263001_862632(	sig	hyper
chr10	8.6E+07	8.6E+07	*	1.14E-258	5.06E-257	0.343085	chr10_86263201_862634(	sig	hyper
chr10	8.6E+07	8.6E+07	*	9.5E-112	6.08E-111	0.239093	chr10_86263401_862636(	sig	hyper
chr10	8.6E+07	8.6E+07	*	1.53E-239	5.37E-238	0.208833	chr10_86367401_863676(	sig	hyper
chr10	8.7E+07	8.7E+07	*	1.054E-19	1.556E-19	0.106631	chr10_86536401_865366(	sig	hyper
chr10	8.7E+07	8.7E+07	*	2.879E-17	3.974E-17	-0.11044	chr10_86536801_865370(	sig	hypo
chr10	8.7E+07	8.7E+07	*	6.407E-64	2.122E-63	0.228221	chr10_86668401_866686(	sig	hyper
chr10	8.7E+07	8.7E+07	*	7.254E-79	2.966E-78	0.227916	chr10_86710801_867110(	sig	hyper
chr10	8.7E+07	8.7E+07	*	1.173E-14	1.504E-14	0.115387	chr10_86942401_869426(	sig	hyper
chr10	8.7E+07	8.7E+07	*	8.569E-19	1.237E-18	-0.12799	chr10_86957601_869578(	sig	hypo
chr10	8.7E+07	8.7E+07	*	1.08E-49	2.867E-49	0.173673	chr10_86970601_869708(	sig	hyper
chr10	8.7E+07	8.7E+07	*	1.219E-25	2.082E-25	0.115997	chr10_86970801_869710(	sig	hyper
chr10	8.9E+07	8.9E+07	*	2.624E-14	3.326E-14	-0.1029	chr10_89206401_892066(	sig	hypo
chr10	9E+07	9E+07	*	4.651E-43	1.107E-42	-0.13125	chr10_89536401_895366(	sig	hypo
chr10	9E+07	9E+07	*	2.817E-81	1.188E-80	0.10748	chr10_89837401_898376(	sig	hyper
chr10	9E+07	9E+07	*	3.531E-82	1.511E-81	0.11366	chr10_89837601_898378(	sig	hyper
chr10	9.1E+07	9.1E+07	*	6.19E-178	9.54E-177	0.329095	chr10_90857001_908572(	sig	hyper
chr10	9.1E+07	9.1E+07	*	1.95E-106	1.16E-105	0.283803	chr10_90857201_908574(	sig	hyper
chr10	9.2E+07	9.2E+07	*	3.38E-158	3.98E-157	0.131331	chr10_91633001_916332(	sig	hyper
chr10	9.2E+07	9.2E+07	*	1.64E-198	3.38E-197	0.24067	chr10_91633401_916336(	sig	hyper
chr10	9.2E+07	9.2E+07	*	2.888E-32	5.652E-32	0.127729	chr10_92045201_920454(	sig	hyper
chr10	9.2E+07	9.2E+07	*	2.264E-63	7.428E-63	0.237281	chr10_92420601_924208(	sig	hyper

chr10	9.2E+07	9.2E+07	*	5.733E-76	2.246E-75	0.180381	chr10_92420801_924210(	sig	hyper
chr10	9.3E+07	9.3E+07	*	4.055E-13	4.945E-13	-0.11568	chr10_92691801_926920(	sig	hypo
chr10	9.3E+07	9.3E+07	*	1.306E-83	5.696E-83	0.211821	chr10_93060201_930604(	sig	hyper
chr10	9.3E+07	9.3E+07	*	3.5E-255	1.5E-253	0.353512	chr10_93065801_930660(	sig	hyper
chr10	9.3E+07	9.3E+07	*	3.231E-56	9.519E-56	0.187765	chr10_93068201_930684(	sig	hyper
chr10	9.3E+07	9.3E+07	*	7.98E-232	2.5E-230	0.33051	chr10_93069201_930694(	sig	hyper
chr10	9.3E+07	9.3E+07	*	1.565E-42	3.692E-42	0.148094	chr10_93074201_930744(	sig	hyper
chr10	9.3E+07	9.3E+07	*	6.64E-150	7.08E-149	0.152693	chr10_93074401_930746(	sig	hyper
chr10	9.3E+07	9.3E+07	*	2.84E-165	3.69E-164	0.22524	chr10_93074801_930750(	sig	hyper
chr10	9.3E+07	9.3E+07	*	1.847E-72	6.867E-72	-0.23154	chr10_93497001_934972(	sig	hypo
chr10	9.5E+07	9.5E+07	*	1.765E-40	4.023E-40	-0.14819	chr10_95184001_951842(	sig	hypo
chr10	9.5E+07	9.5E+07	*	8.66E-115	5.79E-114	0.332658	chr10_95230601_952308(	sig	hyper
chr10	9.5E+07	9.5E+07	*	1.714E-76	6.774E-76	0.232844	chr10_95230801_952310(	sig	hyper
chr10	9.5E+07	9.5E+07	*	4.2E-124	3.15E-123	0.247554	chr10_95231001_952312(	sig	hyper
chr10	9.5E+07	9.5E+07	*	5.807E-47	1.476E-46	0.130418	chr10_95295601_952958(	sig	hyper
chr10	9.8E+07	9.8E+07	*	2.941E-41	6.788E-41	0.156089	chr10_97578401_975786(	sig	hyper
chr10	9.8E+07	9.8E+07	*	4.013E-91	1.944E-90	0.19953	chr10_97713201_977134(	sig	hyper
chr10	9.9E+07	9.9E+07	*	6.097E-95	3.109E-94	0.210134	chr10_99232201_992324(	sig	hyper
chr10	9.9E+07	9.9E+07	*	1.291E-60	4.058E-60	0.196554	chr10_99232401_992326(	sig	hyper
chr10	9.9E+07	9.9E+07	*	8.73E-110	5.42E-109	0.243053	chr10_99232801_992330(	sig	hyper
chr10	9.9E+07	9.9E+07	*	5.298E-45	1.301E-44	0.144197	chr10_99233801_992340(	sig	hyper
chr10	9.9E+07	9.9E+07	*	2E-272	1.07E-270	0.219037	chr10_99234001_992342(	sig	hyper
chr10	9.9E+07	9.9E+07	*	2.984E-60	9.336E-60	0.175636	chr10_99234201_992344(	sig	hyper
chr10	9.9E+07	9.9E+07	*	1.404E-47	3.604E-47	0.245759	chr10_99234401_992346(	sig	hyper
chr10	9.9E+07	9.9E+07	*	1.528E-61	4.873E-61	0.224744	chr10_99329001_993292(	sig	hyper
chr10	9.9E+07	9.9E+07	*	3.14E-111	1.99E-110	0.259428	chr10_99330601_993308(	sig	hyper
chr10	9.9E+07	9.9E+07	*	6.575E-20	9.762E-20	0.109213	chr10_99330801_993310(	sig	hyper
chr10	1E+08	1E+08	*	3.019E-30	5.671E-30	0.137341	chr10_99520801_995210(	sig	hyper
chr10	1E+08	1E+08	*	3.791E-66	1.293E-65	-0.19115	chr10_99521401_995216(	sig	hypo
chr10	1E+08	1E+08	*	3.748E-30	7.032E-30	0.178851	chr10_99527201_995274(	sig	hyper
chr10	1E+08	1E+08	*	5.42E-105	3.14E-104	0.228099	chr10_99527801_995280(	sig	hyper
chr10	1E+08	1E+08	*	1.162E-64	3.882E-64	0.187104	chr10_99528001_995282(	sig	hyper
chr10	1E+08	1E+08	*	1.36E-186	2.38E-185	0.274022	chr10_99530401_995306(	sig	hyper
chr10	1E+08	1E+08	*	1.186E-58	3.619E-58	0.253099	chr10_99531001_995312(	sig	hyper
chr10	1E+08	1E+08	*	8.41E-130	6.77E-129	0.250771	chr10_99531201_995314(	sig	hyper
chr10	1E+08	1E+08	*	2.7E-163	3.42E-162	0.259945	chr10_99531401_995316(	sig	hyper
chr10	1E+08	1E+08	*	9.444E-86	4.239E-85	0.191056	chr10_99533401_995336(	sig	hyper
chr10	1E+08	1E+08	*	1.822E-76	7.193E-76	0.110273	chr10_99534801_995350(	sig	hyper
chr10	1E+08	1E+08	*	3.202E-22	5.034E-22	-0.14781	chr10_100081401_100081	sig	hypo
chr10	1E+08	1E+08	*	0	0	0.376746	chr10_100519801_10052(	sig	hyper
chr10	1E+08	1E+08	*	2.3E-163	2.93E-162	0.334075	chr10_100520001_10052(	sig	hyper
chr10	1E+08	1E+08	*	1.049E-39	2.357E-39	0.152784	chr10_100621401_100621	sig	hyper
chr10	1E+08	1E+08	*	2.289E-71	8.403E-71	0.201258	chr10_100655401_100655	sig	hyper
chr10	1E+08	1E+08	*	6.49E-242	2.36E-240	0.321984	chr10_100659401_100659	sig	hyper
chr10	1E+08	1E+08	*	4.569E-85	2.032E-84	0.263513	chr10_100659601_100659	sig	hyper
chr10	1E+08	1E+08	*	6.51E-54	1.849E-53	0.145587	chr10_100713801_100714	sig	hyper
chr10	1E+08	1E+08	*	7.8E-107	4.65E-106	0.189318	chr10_100737801_100738	sig	hyper
chr10	1E+08	1E+08	*	2.241E-38	4.924E-38	0.177478	chr10_100738601_100738	sig	hyper
chr10	1E+08	1E+08	*	1.628E-77	6.526E-77	0.185766	chr10_100826401_100826	sig	hyper
chr10	1E+08	1E+08	*	1.296E-52	3.6E-52	0.255447	chr10_100829801_100830	sig	hyper
chr10	1E+08	1E+08	*	0	0	0.293916	chr10_100830401_100830	sig	hyper
chr10	1E+08	1E+08	*	6.3E-167	8.4E-166	0.266219	chr10_100830601_100830	sig	hyper
chr10	1E+08	1E+08	*	9.161E-70	3.287E-69	0.24971	chr10_101047001_101047	sig	hyper
chr10	1E+08	1E+08	*	3.329E-58	1.009E-57	-0.18904	chr10_101061801_101062	sig	hypo
chr10	1E+08	1E+08	*	2.54E-146	2.55E-145	-0.39482	chr10_101062001_101062	sig	hypo
chr10	1E+08	1E+08	*	2.583E-62	8.332E-62	0.170833	chr10_101131201_101131	sig	hyper

chr10	1E+08	1E+08	*	1.5E-128	1.19E-127	0.419062	chr10_101132601_101132	sig	hyper
chr10	1E+08	1E+08	*	0	0	0.341622	chr10_101134201_101134	sig	hyper
chr10	1E+08	1E+08	*	0	0	0.381527	chr10_101134601_101134	sig	hyper
chr10	1E+08	1E+08	*	4.43E-101	2.44E-100	0.340337	chr10_101135801_101136	sig	hyper
chr10	1E+08	1E+08	*	0	0	0.383012	chr10_101136601_101136	sig	hyper
chr10	1E+08	1E+08	*	0	0	0.390294	chr10_101136801_101137	sig	hyper
chr10	1E+08	1E+08	*	4.81E-287	3.02E-285	0.330849	chr10_101139401_101139	sig	hyper
chr10	1E+08	1E+08	*	3.86E-170	5.38E-169	0.218129	chr10_101140201_101140	sig	hyper
chr10	1E+08	1E+08	*	1.434E-69	5.125E-69	0.228325	chr10_101140401_101140	sig	hyper
chr10	1E+08	1E+08	*	5.14E-107	3.08E-106	0.236527	chr10_101140601_101140	sig	hyper
chr10	1E+08	1E+08	*	5.4E-71	1.972E-70	0.208601	chr10_101146601_101146	sig	hyper
chr10	1E+08	1E+08	*	5.693E-77	2.264E-76	0.248727	chr10_101146801_101147	sig	hyper
chr10	1E+08	1E+08	*	3.196E-44	7.751E-44	0.230124	chr10_101216801_101217	sig	hyper
chr10	1E+08	1E+08	*	3.852E-43	9.18E-43	0.117423	chr10_101217201_101217	sig	hyper
chr10	1E+08	1E+08	*	3.924E-89	1.851E-88	0.125324	chr10_101217401_101217	sig	hyper
chr10	1E+08	1E+08	*	3.22E-215	8.26E-214	0.260973	chr10_101218201_101218	sig	hyper
chr10	1E+08	1E+08	*	8.34E-220	2.27E-218	0.309119	chr10_101223601_101223	sig	hyper
chr10	1E+08	1E+08	*	2.813E-13	3.452E-13	0.128788	chr10_101225801_101226	sig	hyper
chr10	1E+08	1E+08	*	2.29E-179	3.62E-178	0.300892	chr10_101226001_101226	sig	hyper
chr10	1E+08	1E+08	*	5.11E-106	3.01E-105	0.244535	chr10_101227401_101227	sig	hyper
chr10	1E+08	1E+08	*	0	0	0.273102	chr10_101227601_101227	sig	hyper
chr10	1E+08	1E+08	*	1.014E-68	3.582E-68	0.22235	chr10_101228001_101228	sig	hyper
chr10	1E+08	1E+08	*	1.85E-102	1.04E-101	0.230476	chr10_101228201_101228	sig	hyper
chr10	1E+08	1E+08	*	1.66E-283	9.95E-282	0.26587	chr10_101228401_101228	sig	hyper
chr10	1E+08	1E+08	*	1.58E-147	1.61E-146	0.247915	chr10_101228601_101228	sig	hyper
chr10	1E+08	1E+08	*	5.173E-39	1.15E-38	0.207378	chr10_101236201_101236	sig	hyper
chr10	1E+08	1E+08	*	0	0	0.244374	chr10_101236401_101236	sig	hyper
chr10	1E+08	1E+08	*	4.73E-136	4.12E-135	0.248611	chr10_101236601_101236	sig	hyper
chr10	1E+08	1E+08	*	2.41E-102	1.35E-101	0.255981	chr10_101237601_101237	sig	hyper
chr10	1E+08	1E+08	*	1.303E-61	4.164E-61	0.221093	chr10_101238201_101238	sig	hyper
chr10	1E+08	1E+08	*	5.812E-48	1.501E-47	0.205295	chr10_101284401_101284	sig	hyper
chr10	1E+08	1E+08	*	4.122E-77	1.643E-76	0.213837	chr10_101291401_101291	sig	hyper
chr10	1E+08	1E+08	*	7.881E-71	2.871E-70	0.151677	chr10_101292801_101293	sig	hyper
chr10	1E+08	1E+08	*	3.5E-118	2.43E-117	0.237802	chr10_101774601_101774	sig	hyper
chr10	1E+08	1E+08	*	1.631E-44	3.977E-44	0.158511	chr10_101774801_101775	sig	hyper
chr10	1E+08	1E+08	*	8.391E-39	1.857E-38	-0.13662	chr10_101778601_101778	sig	hypo
chr10	1E+08	1E+08	*	5.364E-23	8.61E-23	0.128284	chr10_101829201_101829	sig	hyper
chr10	1E+08	1E+08	*	5.256E-22	8.223E-22	0.147005	chr10_101829801_101830	sig	hyper
chr10	1E+08	1E+08	*	3.747E-46	9.372E-46	0.221371	chr10_101841401_101841	sig	hyper
chr10	1E+08	1E+08	*	8.542E-48	2.199E-47	0.217134	chr10_102240601_102240	sig	hyper
chr10	1E+08	1E+08	*	1.56E-118	1.09E-117	0.227871	chr10_102410801_102411	sig	hyper
chr10	1E+08	1E+08	*	1.824E-47	4.674E-47	-0.17915	chr10_102414001_102414	sig	hypo
chr10	1E+08	1E+08	*	2.706E-85	1.208E-84	0.220621	chr10_102419001_102419	sig	hyper
chr10	1E+08	1E+08	*	1.372E-34	2.814E-34	0.156305	chr10_102869801_102870	sig	hyper
chr10	1E+08	1E+08	*	4.986E-48	1.289E-47	0.250132	chr10_102919601_102919	sig	hyper
chr10	1E+08	1E+08	*	5.172E-97	2.715E-96	0.219011	chr10_103276801_103277	sig	hyper
chr10	1E+08	1E+08	*	3.8E-122	2.77E-121	0.280992	chr10_103277801_103278	sig	hyper
chr10	1E+08	1E+08	*	1.56E-175	2.34E-174	0.265601	chr10_103473601_103473	sig	hyper
chr10	1E+08	1E+08	*	2.969E-22	4.671E-22	-0.1302	chr10_103584001_103584	sig	hypo
chr10	1E+08	1E+08	*	2.075E-23	3.363E-23	0.141693	chr10_103584801_103585	sig	hyper
chr10	1E+08	1E+08	*	1.169E-19	1.724E-19	0.116253	chr10_103585001_103585	sig	hyper
chr10	1E+08	1E+08	*	1.367E-24	2.279E-24	0.167717	chr10_103660801_103661	sig	hyper
chr10	1E+08	1E+08	*	7.143E-97	3.742E-96	0.267429	chr10_103661001_103661	sig	hyper
chr10	1E+08	1E+08	*	9.473E-90	4.501E-89	0.257986	chr10_103661601_103661	sig	hyper
chr10	1E+08	1E+08	*	1.177E-58	3.592E-58	0.198663	chr10_103668601_103668	sig	hyper
chr10	1E+08	1E+08	*	3.842E-32	7.495E-32	0.132801	chr10_103668801_103669	sig	hyper

chr10	1E+08	1E+08	*	1.07E-146	1.08E-145	0.295707	chr10_104334001_10433	sig	hyper
chr10	1E+08	1E+08	*	7.877E-71	2.87E-70	0.305979	chr10_104640001_10464	sig	hyper
chr10	1E+08	1E+08	*	4.96E-142	4.7E-141	0.243034	chr10_104641401_10464	sig	hyper
chr10	1E+08	1E+08	*	7.25E-73	2.71E-72	0.214729	chr10_104642601_10464	sig	hyper
chr10	1.1E+08	1.1E+08	*	5.2E-134	4.43E-133	0.285493	chr10_107914401_10791	sig	hyper
chr10	1.1E+08	1.1E+08	*	1.53E-137	1.36E-136	0.250011	chr10_108911801_10891	sig	hyper
chr10	1.1E+08	1.1E+08	*	1.685E-17	2.342E-17	0.103218	chr10_110498801_11049	sig	hyper
chr10	1.1E+08	1.1E+08	*	1.383E-16	1.875E-16	0.138211	chr10_111078201_11107	sig	hyper
chr10	1.1E+08	1.1E+08	*	4.66E-125	3.53E-124	-0.14657	chr10_112376201_11237	sig	hypo
chr10	1.1E+08	1.1E+08	*	1.18E-82	5.08E-82	-0.17932	chr10_114405001_11440	sig	hypo
chr10	1.1E+08	1.1E+08	*	1.553E-48	4.046E-48	-0.17735	chr10_114405201_11440	sig	hypo
chr10	1.2E+08	1.2E+08	*	7.932E-97	4.149E-96	0.244463	chr10_116272001_11627	sig	hyper
chr10	1.2E+08	1.2E+08	*	0	0	0.326561	chr10_116272401_11627	sig	hyper
chr10	1.2E+08	1.2E+08	*	1.99E-163	2.54E-162	0.223094	chr10_116273401_11627	sig	hyper
chr10	1.2E+08	1.2E+08	*	1.26E-122	9.23E-122	0.250781	chr10_116274201_11627	sig	hyper
chr10	1.2E+08	1.2E+08	*	1.54E-185	2.64E-184	0.306264	chr10_117132001_11713	sig	hyper
chr10	1.2E+08	1.2E+08	*	1.754E-56	5.184E-56	0.196517	chr10_117132601_11713	sig	hyper
chr10	1.2E+08	1.2E+08	*	2.99E-110	1.87E-109	0.212062	chr10_117132801_11713	sig	hyper
chr10	1.2E+08	1.2E+08	*	5.91E-185	1E-183	0.217076	chr10_117133001_11713	sig	hyper
chr10	1.2E+08	1.2E+08	*	1.013E-49	2.689E-49	0.217188	chr10_117133601_11713	sig	hyper
chr10	1.2E+08	1.2E+08	*	1.698E-29	3.141E-29	0.112288	chr10_117137801_11713	sig	hyper
chr10	1.2E+08	1.2E+08	*	7.31E-90	3.48E-89	0.212373	chr10_117138401_11713	sig	hyper
chr10	1.2E+08	1.2E+08	*	7.722E-40	1.74E-39	0.171426	chr10_117139201_11713	sig	hyper
chr10	1.2E+08	1.2E+08	*	1.638E-33	3.285E-33	0.11259	chr10_117165401_11716	sig	hyper
chr10	1.2E+08	1.2E+08	*	9.032E-28	1.616E-27	0.133734	chr10_117240601_11724	sig	hyper
chr10	1.2E+08	1.2E+08	*	1.818E-75	7.072E-75	0.152252	chr10_117241801_11724	sig	hyper
chr10	1.2E+08	1.2E+08	*	2.07E-126	1.6E-125	0.160892	chr10_117532601_11753	sig	hyper
chr10	1.2E+08	1.2E+08	*	4.736E-36	9.971E-36	0.12209	chr10_117532801_11753	sig	hyper
chr10	1.2E+08	1.2E+08	*	1.762E-76	6.961E-76	0.206086	chr10_117533001_11753	sig	hyper
chr10	1.2E+08	1.2E+08	*	2.803E-53	7.869E-53	0.145061	chr10_117533801_11753	sig	hyper
chr10	1.2E+08	1.2E+08	*	6.34E-172	9.05E-171	0.230087	chr10_117536201_11753	sig	hyper
chr10	1.2E+08	1.2E+08	*	3.805E-40	8.624E-40	0.104796	chr10_117544801_11754	sig	hyper
chr10	1.2E+08	1.2E+08	*	8.97E-165	1.16E-163	0.156065	chr10_117546601_11754	sig	hyper
chr10	1.2E+08	1.2E+08	*	3.002E-48	7.789E-48	0.200907	chr10_117551801_11755	sig	hyper
chr10	1.2E+08	1.2E+08	*	3.693E-79	1.517E-78	0.148366	chr10_117552001_11755	sig	hyper
chr10	1.2E+08	1.2E+08	*	1.06E-191	1.98E-190	0.246459	chr10_117735001_11773	sig	hyper
chr10	1.2E+08	1.2E+08	*	7.085E-14	8.861E-14	-0.10696	chr10_118047401_11804	sig	hypo
chr10	1.2E+08	1.2E+08	*	2.05E-167	2.74E-166	0.300392	chr10_118595001_11859	sig	hyper
chr10	1.2E+08	1.2E+08	*	9.013E-94	4.514E-93	0.231057	chr10_118595601_11859	sig	hyper
chr10	1.2E+08	1.2E+08	*	3.89E-133	3.28E-132	0.312508	chr10_118595801_11859	sig	hyper
chr10	1.2E+08	1.2E+08	*	3.646E-40	8.268E-40	0.146201	chr10_118596401_11859	sig	hyper
chr10	1.2E+08	1.2E+08	*	2.264E-25	3.84E-25	0.137302	chr10_118596601_11859	sig	hyper
chr10	1.2E+08	1.2E+08	*	8.672E-52	2.376E-51	0.161859	chr10_119412801_11941	sig	hyper
chr10	1.2E+08	1.2E+08	*	1.314E-23	2.139E-23	0.151817	chr10_119541801_11954	sig	hyper
chr10	1.2E+08	1.2E+08	*	1.59E-54	4.558E-54	0.126008	chr10_119542201_11954	sig	hyper
chr10	1.2E+08	1.2E+08	*	1.59E-104	9.15E-104	0.34352	chr10_119544001_11954	sig	hyper
chr10	1.2E+08	1.2E+08	*	2.718E-50	7.277E-50	0.163435	chr10_119818001_11981	sig	hyper
chr10	1.2E+08	1.2E+08	*	1.6E-49	4.239E-49	0.216891	chr10_119818801_11981	sig	hyper
chr10	1.2E+08	1.2E+08	*	4.931E-18	6.958E-18	0.116549	chr10_119819001_11981	sig	hyper
chr10	1.2E+08	1.2E+08	*	1.471E-72	5.477E-72	0.13029	chr10_120457201_12045	sig	hyper
chr10	1.2E+08	1.2E+08	*	7.13E-106	4.19E-105	0.235508	chr10_120457401_12045	sig	hyper
chr10	1.2E+08	1.2E+08	*	9.696E-35	1.994E-34	0.123979	chr10_121593801_12159	sig	hyper
chr10	1.2E+08	1.2E+08	*	3.038E-36	6.429E-36	0.131581	chr10_121594601_12159	sig	hyper
chr10	1.2E+08	1.2E+08	*	2.789E-35	5.794E-35	0.194605	chr10_122163801_12216	sig	hyper
chr10	1.2E+08	1.2E+08	*	3.936E-37	8.474E-37	0.191735	chr10_122164001_12216	sig	hyper
chr10	1.2E+08	1.2E+08	*	5.153E-56	1.512E-55	0.105115	chr10_122460801_12246	sig	hyper

chr10	1.2E+08	1.2E+08	*	1.492E-50	4.005E-50	0.116721	chr10_122462801_12246	sig	hyper
chr10	1.2E+08	1.2E+08	*	1.274E-92	6.268E-92	0.202984	chr10_122463001_12246	sig	hyper
chr10	1.2E+08	1.2E+08	*	2.13E-13	2.624E-13	0.110071	chr10_122463201_12246	sig	hyper
chr10	1.2E+08	1.2E+08	*	8.82E-105	5.1E-104	0.279176	chr10_122818601_12281	sig	hyper
chr10	1.2E+08	1.2E+08	*	4.96E-106	2.92E-105	0.208032	chr10_122954601_12295	sig	hyper
chr10	1.2E+08	1.2E+08	*	6.44E-87	2.938E-86	0.212098	chr10_123134201_12313	sig	hyper
chr10	1.2E+08	1.2E+08	*	1.74E-154	1.95E-153	0.236081	chr10_123134401_12313	sig	hyper
chr10	1.2E+08	1.2E+08	*	1.994E-51	5.426E-51	0.161764	chr10_123134801_12313	sig	hyper
chr10	1.2E+08	1.2E+08	*	1.159E-61	3.705E-61	0.174597	chr10_123137201_12313	sig	hyper
chr10	1.2E+08	1.2E+08	*	8.3E-118	5.74E-117	0.238838	chr10_123142801_12314	sig	hyper
chr10	1.2E+08	1.2E+08	*	1.19E-109	7.38E-109	0.31842	chr10_123143201_12314	sig	hyper
chr10	1.2E+08	1.2E+08	*	5.28E-141	4.94E-140	0.30919	chr10_123143601_12314	sig	hyper
chr10	1.2E+08	1.2E+08	*	4.887E-33	9.712E-33	0.158544	chr10_123145201_12314	sig	hyper
chr10	1.2E+08	1.2E+08	*	1.202E-37	2.612E-37	0.128178	chr10_123145401_12314	sig	hyper
chr10	1.2E+08	1.2E+08	*	8.115E-41	1.859E-40	0.147213	chr10_123147001_12314	sig	hyper
chr10	1.2E+08	1.2E+08	*	1.9E-197	3.86E-196	0.14114	chr10_123148001_12314	sig	hyper
chr10	1.2E+08	1.2E+08	*	4.141E-47	1.055E-46	0.239408	chr10_123148201_12314	sig	hyper
chr10	1.2E+08	1.2E+08	*	1.014E-25	1.735E-25	0.148078	chr10_123149001_12314	sig	hyper
chr10	1.2E+08	1.2E+08	*	8.23E-94	4.126E-93	0.258015	chr10_123150601_12315	sig	hyper
chr10	1.2E+08	1.2E+08	*	2.544E-35	5.291E-35	0.149348	chr10_123274401_12327	sig	hyper
chr10	1.2E+08	1.2E+08	*	1.53E-126	1.18E-125	0.315589	chr10_123666001_12366	sig	hyper
chr10	1.2E+08	1.2E+08	*	8.68E-20	1.284E-19	0.105329	chr10_123973201_12397	sig	hyper
chr10	1.2E+08	1.2E+08	*	3.054E-67	1.057E-66	0.254063	chr10_123992001_12399	sig	hyper
chr10	1.2E+08	1.2E+08	*	7.758E-60	2.41E-59	0.160615	chr10_124008201_12400	sig	hyper
chr10	1.2E+08	1.2E+08	*	4.96E-283	2.95E-281	0.339107	chr10_124010601_12401	sig	hyper
chr10	1.2E+08	1.2E+08	*	3.729E-31	7.136E-31	0.173363	chr10_124091601_12409	sig	hyper
chr10	1.2E+08	1.2E+08	*	4.08E-107	2.45E-106	0.14438	chr10_124094201_12409	sig	hyper
chr10	1.2E+08	1.2E+08	*	4.025E-80	1.675E-79	-0.22823	chr10_124381201_12438	sig	hypo
chr10	1.2E+08	1.2E+08	*	7.681E-33	1.521E-32	0.149476	chr10_124417801_12441	sig	hyper
chr10	1.2E+08	1.2E+08	*	2.252E-29	4.157E-29	0.11654	chr10_124418001_12441	sig	hyper
chr10	1.2E+08	1.2E+08	*	2.993E-49	7.902E-49	0.1745	chr10_124448201_12444	sig	hyper
chr10	1.2E+08	1.2E+08	*	1.336E-27	2.381E-27	-0.10573	chr10_124601401_12460	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.46E-25	2.488E-25	0.155452	chr10_125000001_12500	sig	hyper
chr10	1.3E+08	1.3E+08	*	7.699E-17	1.051E-16	0.105461	chr10_125023601_12502	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.26E-132	1.06E-131	0.380242	chr10_125023801_12502	sig	hyper
chr10	1.3E+08	1.3E+08	*	9.434E-97	4.928E-96	-0.25328	chr10_125138201_12513	sig	hypo
chr10	1.3E+08	1.3E+08	*	8.814E-80	3.651E-79	-0.22801	chr10_125151201_12515	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.438E-88	6.737E-88	-0.17684	chr10_125162601_12516	sig	hypo
chr10	1.3E+08	1.3E+08	*	4.691E-34	9.51E-34	-0.10704	chr10_125775801_12577	sig	hypo
chr10	1.3E+08	1.3E+08	*	8.302E-54	2.353E-53	0.229362	chr10_126906401_12690	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.245E-16	1.69E-16	0.100428	chr10_127194801_12719	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.648E-82	7.083E-82	0.370539	chr10_127736801_12773	sig	hyper
chr10	1.3E+08	1.3E+08	*	0	0	0.311933	chr10_127737601_12773	sig	hyper
chr10	1.3E+08	1.3E+08	*	3.65E-129	2.91E-128	0.323329	chr10_127738401_12773	sig	hyper
chr10	1.3E+08	1.3E+08	*	3.004E-16	4.032E-16	-0.12038	chr10_127906601_12790	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.37E-147	2.42E-146	-0.25655	chr10_128047401_12804	sig	hypo
chr10	1.3E+08	1.3E+08	*	9.437E-73	3.522E-72	-0.18923	chr10_128047601_12804	sig	hypo
chr10	1.3E+08	1.3E+08	*	4.293E-33	8.54E-33	-0.15918	chr10_128214801_12821	sig	hypo
chr10	1.3E+08	1.3E+08	*	5.835E-41	1.34E-40	-0.13269	chr10_128483401_12848	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.87E-110	1.17E-109	0.23991	chr10_128541001_12854	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.629E-42	3.839E-42	-0.12348	chr10_128568401_12856	sig	hypo
chr10	1.3E+08	1.3E+08	*	6.919E-22	1.081E-21	-0.10239	chr10_128708401_12870	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.114E-53	5.947E-53	-0.10905	chr10_128709401_12870	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.145E-32	2.259E-32	-0.13951	chr10_128886401_12888	sig	hypo
chr10	1.3E+08	1.3E+08	*	4.551E-33	9.049E-33	-0.16215	chr10_128959001_12895	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.742E-39	3.898E-39	-0.15262	chr10_128959401_12895	sig	hypo

chr10	1.3E+08	1.3E+08	*	4.427E-26	7.642E-26	0.131044	chr10_129032601_129032	sig	hyper
chr10	1.3E+08	1.3E+08	*	7.06E-136	6.15E-135	0.206811	chr10_129033001_129033	sig	hyper
chr10	1.3E+08	1.3E+08	*	2.716E-52	7.49E-52	-0.17939	chr10_129034001_129034	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.155E-35	4.488E-35	-0.12995	chr10_129035601_129035	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.601E-24	2.664E-24	0.18952	chr10_129042801_129043	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.536E-49	4.068E-49	0.22001	chr10_129056001_129056	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.23E-49	3.262E-49	-0.118	chr10_129344201_129344	sig	hypo
chr10	1.3E+08	1.3E+08	*	7.111E-24	1.165E-23	0.100548	chr10_129466601_129466	sig	hyper
chr10	1.3E+08	1.3E+08	*	3.53E-100	1.92E-99	0.256098	chr10_129525601_129525	sig	hyper
chr10	1.3E+08	1.3E+08	*	3.28E-173	4.77E-172	0.283281	chr10_129525801_129526	sig	hyper
chr10	1.3E+08	1.3E+08	*	7.048E-63	2.291E-62	-0.16446	chr10_129786001_129786	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.569E-20	2.368E-20	-0.11568	chr10_129838201_129838	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.671E-38	3.683E-38	-0.16601	chr10_129852401_129852	sig	hypo
chr10	1.3E+08	1.3E+08	*	5.739E-30	1.072E-29	-0.11398	chr10_129854801_129855	sig	hypo
chr10	1.3E+08	1.3E+08	*	4.899E-62	1.574E-61	-0.11756	chr10_129869601_129869	sig	hypo
chr10	1.3E+08	1.3E+08	*	4.478E-34	9.083E-34	-0.16347	chr10_129873001_129873	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.869E-46	7.2E-46	-0.14702	chr10_129884601_129884	sig	hypo
chr10	1.3E+08	1.3E+08	*	5.807E-36	1.219E-35	-0.1582	chr10_129886401_129886	sig	hypo
chr10	1.3E+08	1.3E+08	*	8.33E-113	5.41E-112	-0.18804	chr10_129887801_129888	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.645E-41	3.816E-41	-0.12993	chr10_129892801_129893	sig	hypo
chr10	1.3E+08	1.3E+08	*	3.479E-36	7.35E-36	0.148213	chr10_129898801_129899	sig	hyper
chr10	1.3E+08	1.3E+08	*	3.58E-108	2.17E-107	0.217845	chr10_129899001_129899	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.015E-74	3.902E-74	0.178845	chr10_129959401_129959	sig	hyper
chr10	1.3E+08	1.3E+08	*	4.42E-194	8.52E-193	0.295626	chr10_129960401_129960	sig	hyper
chr10	1.3E+08	1.3E+08	*	2.709E-22	4.268E-22	0.10194	chr10_129962801_129963	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.31E-196	2.63E-195	0.163579	chr10_129963001_129963	sig	hyper
chr10	1.3E+08	1.3E+08	*	3.88E-80	1.616E-79	0.168878	chr10_129965401_129965	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.119E-52	3.111E-52	0.168577	chr10_129965601_129965	sig	hyper
chr10	1.3E+08	1.3E+08	*	8.503E-71	3.096E-70	0.221667	chr10_129966001_129966	sig	hyper
chr10	1.3E+08	1.3E+08	*	5.071E-47	1.29E-46	0.183294	chr10_129966601_129966	sig	hyper
chr10	1.3E+08	1.3E+08	*	2.274E-67	7.883E-67	0.231339	chr10_129968001_129968	sig	hyper
chr10	1.3E+08	1.3E+08	*	6.04E-227	1.78E-225	0.256808	chr10_129969601_129969	sig	hyper
chr10	1.3E+08	1.3E+08	*	0	0	0.271036	chr10_129969801_129970	sig	hyper
chr10	1.3E+08	1.3E+08	*	6.52E-204	1.44E-202	0.301583	chr10_130013201_130013	sig	hyper
chr10	1.3E+08	1.3E+08	*	5.542E-92	2.709E-91	-0.18037	chr10_130046601_130046	sig	hypo
chr10	1.3E+08	1.3E+08	*	3.01E-13	3.69E-13	-0.10069	chr10_130125601_130125	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.499E-16	2.029E-16	-0.11751	chr10_130203201_130203	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.181E-26	2.065E-26	-0.11158	chr10_131061401_131061	sig	hypo
chr10	1.3E+08	1.3E+08	*	4.857E-56	1.426E-55	-0.15754	chr10_131084601_131084	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.026E-50	2.763E-50	-0.1025	chr10_131088401_131088	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.122E-20	1.699E-20	-0.12311	chr10_131089401_131089	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.303E-81	5.529E-81	0.29124	chr10_131177801_131178	sig	hyper
chr10	1.3E+08	1.3E+08	*	5.261E-12	6.16E-12	-0.10126	chr10_131221601_131221	sig	hypo
chr10	1.3E+08	1.3E+08	*	3.885E-36	8.194E-36	-0.15585	chr10_131232401_131232	sig	hypo
chr10	1.3E+08	1.3E+08	*	4.627E-37	9.943E-37	-0.1717	chr10_131238201_131238	sig	hypo
chr10	1.3E+08	1.3E+08	*	6.6E-40	1.489E-39	-0.19552	chr10_131240801_131241	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.54E-118	1.08E-117	0.296804	chr10_131310601_131310	sig	hyper
chr10	1.3E+08	1.3E+08	*	3.705E-55	1.072E-54	-0.13201	chr10_131405801_131406	sig	hypo
chr10	1.3E+08	1.3E+08	*	3.197E-82	1.368E-81	-0.16091	chr10_131410601_131410	sig	hypo
chr10	1.3E+08	1.3E+08	*	9.212E-35	1.896E-34	-0.11092	chr10_131476001_131476	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.298E-56	3.845E-56	0.163524	chr10_131519201_131519	sig	hyper
chr10	1.3E+08	1.3E+08	*	6.419E-29	1.174E-28	-0.15284	chr10_131528601_131528	sig	hypo
chr10	1.3E+08	1.3E+08	*	9.335E-58	2.814E-57	0.147715	chr10_131617201_131617	sig	hyper
chr10	1.3E+08	1.3E+08	*	6.813E-54	1.933E-53	-0.15272	chr10_131676201_131676	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.163E-85	5.217E-85	0.164799	chr10_131726401_131726	sig	hyper
chr10	1.3E+08	1.3E+08	*	3.871E-36	8.164E-36	-0.10618	chr10_131774001_131774	sig	hypo

chr10	1.3E+08	1.3E+08	*	1.5E-123	1.11E-122	0.219571	chr10_131937801_13193	sig	hyper
chr10	1.3E+08	1.3E+08	*	7.78E-115	5.2E-114	0.150257	chr10_131938001_13193	sig	hyper
chr10	1.3E+08	1.3E+08	*	8.153E-76	3.188E-75	0.178685	chr10_131980001_13198	sig	hyper
chr10	1.3E+08	1.3E+08	*	3.613E-20	5.405E-20	0.13009	chr10_131980201_13198	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.337E-60	4.202E-60	0.172873	chr10_131980801_13198	sig	hyper
chr10	1.3E+08	1.3E+08	*	2.581E-97	1.36E-96	0.186506	chr10_131981001_13198	sig	hyper
chr10	1.3E+08	1.3E+08	*	8.271E-76	3.234E-75	0.111601	chr10_131981401_13198	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.876E-38	4.131E-38	-0.12631	chr10_132021401_13202	sig	hypo
chr10	1.3E+08	1.3E+08	*	3.504E-52	9.645E-52	0.15881	chr10_132023601_13202	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.63E-148	1.69E-147	0.226758	chr10_132037001_13203	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.25E-102	6.99E-102	0.193433	chr10_132037201_13203	sig	hyper
chr10	1.3E+08	1.3E+08	*	4.561E-14	5.741E-14	-0.12996	chr10_132045201_13204	sig	hypo
chr10	1.3E+08	1.3E+08	*	8.673E-47	2.197E-46	0.114282	chr10_132065401_13206	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.57E-107	9.46E-107	0.158981	chr10_132065601_13206	sig	hyper
chr10	1.3E+08	1.3E+08	*	2.808E-15	3.67E-15	0.106488	chr10_132065801_13206	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.657E-25	2.819E-25	0.150523	chr10_132078801_13207	sig	hyper
chr10	1.3E+08	1.3E+08	*	2.132E-29	3.937E-29	0.123469	chr10_132115801_13211	sig	hyper
chr10	1.3E+08	1.3E+08	*	3.893E-16	5.203E-16	-0.11694	chr10_132125001_13212	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.617E-45	4.002E-45	-0.20065	chr10_132138001_13213	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.956E-20	4.431E-20	-0.1011	chr10_132140601_13214	sig	hypo
chr10	1.3E+08	1.3E+08	*	4.236E-33	8.43E-33	-0.14216	chr10_132141801_13214	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.633E-41	3.789E-41	-0.1221	chr10_132146801_13214	sig	hypo
chr10	1.3E+08	1.3E+08	*	9.697E-18	1.358E-17	-0.10323	chr10_132148201_13214	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.751E-32	5.385E-32	-0.16198	chr10_132164801_13216	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.246E-59	3.856E-59	-0.20088	chr10_132167001_13216	sig	hypo
chr10	1.3E+08	1.3E+08	*	9.106E-43	2.156E-42	-0.16522	chr10_132203201_13220	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.007E-27	3.568E-27	-0.11899	chr10_132206201_13220	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.885E-21	4.433E-21	-0.17159	chr10_132221801_13222	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.027E-37	4.388E-37	-0.1405	chr10_132226801_13222	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.728E-61	5.502E-61	-0.21739	chr10_132232001_13223	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.76E-110	1.1E-109	-0.22007	chr10_132232401_13223	sig	hypo
chr10	1.3E+08	1.3E+08	*	7.544E-24	1.235E-23	-0.10586	chr10_132241201_13224	sig	hypo
chr10	1.3E+08	1.3E+08	*	3.49E-101	1.92E-100	-0.26169	chr10_132249001_13224	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.127E-41	2.622E-41	0.184515	chr10_132272201_13227	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.169E-47	3.006E-47	0.196691	chr10_132272401_13227	sig	hyper
chr10	1.3E+08	1.3E+08	*	5.827E-41	1.338E-40	-0.10965	chr10_132274601_13227	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.661E-69	5.929E-69	-0.20685	chr10_132280801_13228	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.797E-22	4.404E-22	-0.14579	chr10_132282201_13228	sig	hypo
chr10	1.3E+08	1.3E+08	*	9.989E-13	1.202E-12	-0.10386	chr10_132294801_13229	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.044E-89	4.955E-89	-0.24542	chr10_132295001_13229	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.269E-73	4.793E-73	-0.19682	chr10_132296201_13229	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.16E-29	2.153E-29	-0.15871	chr10_132301801_13230	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.728E-44	4.211E-44	-0.20466	chr10_132330001_13233	sig	hypo
chr10	1.3E+08	1.3E+08	*	3.905E-31	7.47E-31	-0.1592	chr10_132373401_13237	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.117E-57	3.365E-57	-0.11411	chr10_132375201_13237	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.798E-42	6.575E-42	0.121834	chr10_132414601_13241	sig	hyper
chr10	1.3E+08	1.3E+08	*	4.47E-130	3.62E-129	-0.23334	chr10_132485001_13248	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.64E-149	2.79E-148	-0.257	chr10_132487201_13248	sig	hypo
chr10	1.3E+08	1.3E+08	*	8.978E-17	1.223E-16	-0.10404	chr10_132503001_13250	sig	hypo
chr10	1.3E+08	1.3E+08	*	5.338E-25	8.976E-25	0.114564	chr10_132508001_13250	sig	hyper
chr10	1.3E+08	1.3E+08	*	7.161E-57	2.13E-56	0.225885	chr10_132508801_13250	sig	hyper
chr10	1.3E+08	1.3E+08	*	2.785E-98	1.483E-97	0.261062	chr10_132520601_13252	sig	hyper
chr10	1.3E+08	1.3E+08	*	3.157E-41	7.281E-41	0.191611	chr10_132544401_13254	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.424E-39	3.192E-39	0.184629	chr10_132544601_13254	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.129E-14	1.448E-14	0.125047	chr10_132544801_13254	sig	hyper
chr10	1.3E+08	1.3E+08	*	2.58E-264	1.24E-262	0.337419	chr10_132545001_13254	sig	hyper

chr10	1.3E+08	1.3E+08	*	9.73E-49	2.543E-48	-0.12989	chr10_132547601_13254	sig	hypo
chr10	1.3E+08	1.3E+08	*	8.898E-40	2.003E-39	-0.16418	chr10_132591801_13259	sig	hypo
chr10	1.3E+08	1.3E+08	*	4.203E-77	1.675E-76	0.144156	chr10_132606601_13260	sig	hyper
chr10	1.3E+08	1.3E+08	*	2.251E-14	2.859E-14	0.108731	chr10_132607601_13260	sig	hyper
chr10	1.3E+08	1.3E+08	*	2.33E-59	7.183E-59	0.253757	chr10_132627601_13262	sig	hyper
chr10	1.3E+08	1.3E+08	*	7.782E-17	1.062E-16	0.100179	chr10_132645601_13264	sig	hyper
chr10	1.3E+08	1.3E+08	*	2.461E-34	5.024E-34	-0.15413	chr10_132685401_13268	sig	hypo
chr10	1.3E+08	1.3E+08	*	7.58E-23	1.211E-22	-0.11489	chr10_132685801_13268	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.254E-24	3.733E-24	0.107612	chr10_132714201_13271	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.21E-162	1.52E-161	0.343338	chr10_132785001_13278	sig	hyper
chr10	1.3E+08	1.3E+08	*	3.293E-56	9.701E-56	0.169002	chr10_132786201_13278	sig	hyper
chr10	1.3E+08	1.3E+08	*	3.32E-138	2.99E-137	0.170106	chr10_132786401_13278	sig	hyper
chr10	1.3E+08	1.3E+08	*	3.014E-46	7.557E-46	0.100893	chr10_132787401_13278	sig	hyper
chr10	1.3E+08	1.3E+08	*	9.033E-42	2.105E-41	-0.1433	chr10_132796801_13279	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.632E-27	4.667E-27	-0.13509	chr10_132797201_13279	sig	hypo
chr10	1.3E+08	1.3E+08	*	5.711E-22	8.93E-22	-0.10158	chr10_132799601_13279	sig	hypo
chr10	1.3E+08	1.3E+08	*	3.416E-27	6.04E-27	-0.14894	chr10_132806601_13280	sig	hypo
chr10	1.3E+08	1.3E+08	*	7.075E-67	2.435E-66	-0.23083	chr10_132817001_13281	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.814E-90	1.348E-89	-0.19418	chr10_132817601_13281	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.8E-214	4.57E-213	0.28566	chr10_132832601_13283	sig	hyper
chr10	1.3E+08	1.3E+08	*	2.161E-32	4.237E-32	-0.15259	chr10_132833601_13283	sig	hypo
chr10	1.3E+08	1.3E+08	*	4.36E-22	6.832E-22	-0.11427	chr10_132844201_13284	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.49E-20	2.25E-20	-0.14389	chr10_132845801_13284	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.694E-87	7.793E-87	-0.2305	chr10_132848601_13284	sig	hypo
chr10	1.3E+08	1.3E+08	*	7.86E-16	1.044E-15	-0.10535	chr10_132849001_13284	sig	hypo
chr10	1.3E+08	1.3E+08	*	3.081E-24	5.089E-24	-0.10735	chr10_132851401_13285	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.127E-97	5.952E-97	-0.26914	chr10_132851601_13285	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.95E-32	5.771E-32	-0.1375	chr10_132868801_13286	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.477E-26	4.299E-26	-0.1065	chr10_132870001_13287	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.726E-29	3.192E-29	-0.13255	chr10_132879001_13287	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.003E-37	2.182E-37	-0.15106	chr10_132880801_13288	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.879E-35	3.918E-35	-0.15511	chr10_132884201_13288	sig	hypo
chr10	1.3E+08	1.3E+08	*	8.506E-37	1.819E-36	-0.13772	chr10_132885201_13288	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.461E-70	5.298E-70	0.250142	chr10_132892201_13289	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.053E-31	2.035E-31	-0.15749	chr10_132915801_13291	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.178E-79	8.976E-79	-0.17867	chr10_132921001_13292	sig	hypo
chr10	1.3E+08	1.3E+08	*	4.437E-20	6.622E-20	-0.12494	chr10_132927201_13292	sig	hypo
chr10	1.3E+08	1.3E+08	*	9.841E-87	4.481E-86	-0.17349	chr10_132933401_13293	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.425E-23	2.318E-23	-0.15719	chr10_132938801_13293	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.31E-197	4.69E-196	-0.38358	chr10_132940801_13294	sig	hypo
chr10	1.3E+08	1.3E+08	*	5.578E-20	8.302E-20	0.10634	chr10_132942001_13294	sig	hyper
chr10	1.3E+08	1.3E+08	*	9.54E-185	1.62E-183	0.416741	chr10_132943001_13294	sig	hyper
chr10	1.3E+08	1.3E+08	*	4.099E-10	4.46E-10	-0.10766	chr10_132961201_13296	sig	hypo
chr10	1.3E+08	1.3E+08	*	9.568E-43	2.265E-42	-0.17357	chr10_132964601_13296	sig	hypo
chr10	1.3E+08	1.3E+08	*	9.597E-15	1.234E-14	-0.12319	chr10_132965001_13296	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.682E-46	4.239E-46	0.176821	chr10_132975601_13297	sig	hyper
chr10	1.3E+08	1.3E+08	*	8.906E-47	2.256E-46	-0.22723	chr10_132979601_13297	sig	hypo
chr10	1.3E+08	1.3E+08	*	3.814E-20	5.702E-20	-0.11143	chr10_132982001_13298	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.018E-97	1.064E-96	0.178568	chr10_132984001_13298	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.536E-41	3.565E-41	0.177436	chr10_132984201_13298	sig	hyper
chr10	1.3E+08	1.3E+08	*	3.495E-38	7.656E-38	-0.12566	chr10_132990201_13299	sig	hypo
chr10	1.3E+08	1.3E+08	*	3.949E-30	7.405E-30	0.179275	chr10_132994601_13299	sig	hyper
chr10	1.3E+08	1.3E+08	*	9.111E-41	2.086E-40	-0.12114	chr10_133005601_13300	sig	hypo
chr10	1.3E+08	1.3E+08	*	7.188E-21	1.094E-20	-0.10064	chr10_133022801_13302	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.282E-26	2.24E-26	-0.16145	chr10_133029601_13302	sig	hypo
chr10	1.3E+08	1.3E+08	*	6.779E-31	1.291E-30	0.120773	chr10_133030801_13303	sig	hyper

chr10	1.3E+08	1.3E+08	*	1.089E-68	3.847E-68	-0.18347	chr10_133045201_13304	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.031E-15	2.666E-15	-0.11293	chr10_133047401_13304	sig	hypo
chr10	1.3E+08	1.3E+08	*	5.38E-41	1.236E-40	-0.10545	chr10_133062201_13306	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.238E-58	6.801E-58	-0.2225	chr10_133070601_13307	sig	hypo
chr10	1.3E+08	1.3E+08	*	7.859E-57	2.337E-56	-0.20251	chr10_133071001_13307	sig	hypo
chr10	1.3E+08	1.3E+08	*	3.998E-21	6.122E-21	0.145818	chr10_133083001_13308	sig	hyper
chr10	1.3E+08	1.3E+08	*	2.776E-82	1.19E-81	0.234622	chr10_133083201_13308	sig	hyper
chr10	1.3E+08	1.3E+08	*	4.076E-23	6.563E-23	0.106065	chr10_133083401_13308	sig	hyper
chr10	1.3E+08	1.3E+08	*	5.295E-26	9.122E-26	-0.12405	chr10_133084801_13308	sig	hypo
chr10	1.3E+08	1.3E+08	*	4.311E-53	1.207E-52	-0.22532	chr10_133085001_13308	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.48E-226	7.23E-225	0.214125	chr10_133087601_13308	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.956E-17	2.714E-17	-0.10974	chr10_133091801_13309	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.596E-60	8.129E-60	-0.21656	chr10_133095001_13309	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.949E-18	2.783E-18	0.147722	chr10_133096801_13309	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.175E-12	1.41E-12	-0.10308	chr10_133097201_13309	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.186E-20	1.795E-20	-0.1543	chr10_133098801_13309	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.744E-64	5.811E-64	-0.175	chr10_133100201_13310	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.362E-51	3.717E-51	0.176219	chr10_133105201_13310	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.8E-115	1.21E-114	-0.18001	chr10_133106801_13310	sig	hypo
chr10	1.3E+08	1.3E+08	*	8.183E-31	1.555E-30	-0.1188	chr10_133114601_13311	sig	hypo
chr10	1.3E+08	1.3E+08	*	6.079E-14	7.619E-14	-0.11772	chr10_133123201_13312	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.869E-61	5.945E-61	-0.15914	chr10_133131201_13313	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.432E-45	5.999E-45	-0.22503	chr10_133158001_13315	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.364E-45	3.378E-45	-0.13604	chr10_133158401_13315	sig	hypo
chr10	1.3E+08	1.3E+08	*	7.131E-34	1.441E-33	-0.15833	chr10_133164601_13316	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.356E-16	1.838E-16	-0.10789	chr10_133165601_13316	sig	hypo
chr10	1.3E+08	1.3E+08	*	5.127E-18	7.231E-18	-0.11544	chr10_133170001_13317	sig	hypo
chr10	1.3E+08	1.3E+08	*	4.493E-26	7.754E-26	-0.10972	chr10_133179001_13317	sig	hypo
chr10	1.3E+08	1.3E+08	*	8.24E-15	1.062E-14	-0.14645	chr10_133197001_13319	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.39E-101	1.32E-100	-0.25977	chr10_133207201_13320	sig	hypo
chr10	1.3E+08	1.3E+08	*	4.425E-29	8.12E-29	-0.11083	chr10_133217001_13321	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.588E-47	6.614E-47	0.144937	chr10_133219801_13322	sig	hyper
chr10	1.3E+08	1.3E+08	*	3.938E-59	1.21E-58	-0.27016	chr10_133226401_13322	sig	hypo
chr10	1.3E+08	1.3E+08	*	6.41E-38	1.399E-37	-0.14466	chr10_133226601_13322	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.24E-190	4.12E-189	0.255733	chr10_133230001_13323	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.373E-56	4.065E-56	0.148061	chr10_133230401_13323	sig	hyper
chr10	1.3E+08	1.3E+08	*	7.53E-132	6.25E-131	0.283098	chr10_133231201_13323	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.13E-106	6.71E-106	-0.22449	chr10_133241201_13324	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.57E-185	4.4E-184	-0.26698	chr10_133241401_13324	sig	hypo
chr10	1.3E+08	1.3E+08	*	5.185E-37	1.113E-36	-0.24787	chr10_133273801_13327	sig	hypo
chr10	1.3E+08	1.3E+08	*	3.075E-60	9.62E-60	-0.17165	chr10_133309401_13330	sig	hypo
chr10	1.3E+08	1.3E+08	*	7.681E-26	1.319E-25	-0.14167	chr10_133309601_13330	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.758E-13	3.386E-13	-0.1095	chr10_133310201_13331	sig	hypo
chr10	1.3E+08	1.3E+08	*	5.23E-106	3.08E-105	0.10298	chr10_133336801_13333	sig	hyper
chr10	1.3E+08	1.3E+08	*	1.81E-62	5.851E-62	-0.24511	chr10_133360401_13336	sig	hypo
chr10	1.3E+08	1.3E+08	*	4.712E-23	7.576E-23	-0.13698	chr10_133365201_13336	sig	hypo
chr10	1.3E+08	1.3E+08	*	3.402E-60	1.063E-59	-0.21976	chr10_133389201_13338	sig	hypo
chr10	1.3E+08	1.3E+08	*	2.405E-28	4.346E-28	-0.13909	chr10_133519801_13352	sig	hypo
chr10	1.3E+08	1.3E+08	*	1.13E-131	9.37E-131	0.315427	chr10_133528001_13352	sig	hyper
chr10	1.3E+08	1.3E+08	*	2.42E-211	5.91E-210	0.251735	chr10_133529601_13352	sig	hyper
chr10	1.3E+08	1.3E+08	*	2.719E-57	8.152E-57	0.209725	chr10_133569801_13357	sig	hyper
chr10	1.3E+08	1.3E+08	*	3.859E-57	1.153E-56	0.272958	chr10_133622801_13362	sig	hyper
chr11	268801	269000	*	1.58E-156	1.83E-155	-0.22558	chr11_268801_269000	sig	hypo
chr11	269201	269400	*	4.17E-209	9.82E-208	-0.36861	chr11_269201_269400	sig	hypo
chr11	278401	278600	*	6.76E-43	1.604E-42	-0.16713	chr11_278401_278600	sig	hypo
chr11	279401	279600	*	4.371E-41	1.006E-40	0.148395	chr11_279401_279600	sig	hyper

chr11	281601	281800	*	3.711E-52	1.021E-51	0.211364	chr11_281601_281800	sig	hyper
chr11	298601	298800	*	2.445E-37	5.287E-37	-0.15773	chr11_298601_298800	sig	hypo
chr11	314001	314200	*	1.17E-143	1.13E-142	-0.23305	chr11_314001_314200	sig	hypo
chr11	314201	314400	*	9.83E-300	7.21E-298	-0.24137	chr11_314201_314400	sig	hypo
chr11	334401	334600	*	4.68E-29	8.585E-29	-0.13357	chr11_334401_334600	sig	hypo
chr11	351001	351200	*	4.951E-90	2.361E-89	-0.26941	chr11_351001_351200	sig	hypo
chr11	358601	358800	*	3.479E-16	4.655E-16	0.123645	chr11_358601_358800	sig	hyper
chr11	364601	364800	*	1.88E-148	1.95E-147	-0.23543	chr11_364601_364800	sig	hypo
chr11	368801	369000	*	4.405E-49	1.16E-48	0.128765	chr11_368801_369000	sig	hyper
chr11	394201	394400	*	8.02E-117	5.47E-116	-0.27604	chr11_394201_394400	sig	hypo
chr11	396801	397000	*	4.057E-12	4.77E-12	0.119707	chr11_396801_397000	sig	hyper
chr11	400201	400400	*	5.355E-11	6.043E-11	0.103314	chr11_400201_400400	sig	hyper
chr11	420601	420800	*	6.061E-35	1.252E-34	0.127321	chr11_420601_420800	sig	hyper
chr11	430001	430200	*	2.511E-58	7.622E-58	0.135449	chr11_430001_430200	sig	hyper
chr11	430201	430400	*	9.685E-35	1.992E-34	0.139171	chr11_430201_430400	sig	hyper
chr11	504801	505000	*	0	0	0.392788	chr11_504801_505000	sig	hyper
chr11	507801	508000	*	2.44E-163	3.1E-162	0.309815	chr11_507801_508000	sig	hyper
chr11	521001	521200	*	7.239E-52	1.985E-51	-0.14353	chr11_521001_521200	sig	hypo
chr11	526201	526400	*	4.14E-233	1.32E-231	-0.33333	chr11_526201_526400	sig	hypo
chr11	567401	567600	*	1.786E-38	3.934E-38	-0.14283	chr11_567401_567600	sig	hypo
chr11	614601	614800	*	1.067E-76	4.227E-76	-0.26687	chr11_614601_614800	sig	hypo
chr11	614801	615000	*	2.759E-22	4.346E-22	-0.15388	chr11_614801_615000	sig	hypo
chr11	624401	624600	*	4.546E-97	2.388E-96	-0.248	chr11_624401_624600	sig	hypo
chr11	624601	624800	*	1.36E-129	1.1E-128	-0.29906	chr11_624601_624800	sig	hypo
chr11	625801	626000	*	1.061E-42	2.51E-42	-0.17334	chr11_625801_626000	sig	hypo
chr11	626601	626800	*	1.426E-16	1.931E-16	0.113576	chr11_626601_626800	sig	hyper
chr11	627401	627600	*	2.768E-11	3.154E-11	0.103656	chr11_627401_627600	sig	hyper
chr11	628601	628800	*	3.69E-208	8.57E-207	-0.27694	chr11_628601_628800	sig	hypo
chr11	636401	636600	*	7.703E-30	1.436E-29	0.167145	chr11_636401_636600	sig	hyper
chr11	637001	637200	*	1.67E-112	1.08E-111	0.255069	chr11_637001_637200	sig	hyper
chr11	637401	637600	*	3.714E-79	1.525E-78	0.265192	chr11_637401_637600	sig	hyper
chr11	638201	638400	*	2.22E-12	2.637E-12	0.110696	chr11_638201_638400	sig	hyper
chr11	638401	638600	*	2.614E-51	7.1E-51	0.126095	chr11_638401_638600	sig	hyper
chr11	655401	655600	*	6.72E-159	7.98E-158	-0.26357	chr11_655401_655600	sig	hypo
chr11	705601	705800	*	1.247E-25	2.129E-25	-0.13126	chr11_705601_705800	sig	hypo
chr11	720401	720600	*	2.993E-52	8.248E-52	0.176798	chr11_720401_720600	sig	hyper
chr11	720601	720800	*	1.929E-18	2.755E-18	0.120402	chr11_720601_720800	sig	hyper
chr11	726201	726400	*	4.57E-76	1.793E-75	0.192263	chr11_726201_726400	sig	hyper
chr11	737801	738000	*	1.753E-41	4.063E-41	-0.18436	chr11_737801_738000	sig	hypo
chr11	763401	763600	*	1.164E-18	1.673E-18	-0.13813	chr11_763401_763600	sig	hypo
chr11	778601	778800	*	5.391E-17	7.386E-17	-0.12836	chr11_778601_778800	sig	hypo
chr11	783801	784000	*	8.452E-60	2.623E-59	0.135668	chr11_783801_784000	sig	hyper
chr11	843801	844000	*	1.18E-147	1.21E-146	0.318581	chr11_843801_844000	sig	hyper
chr11	850201	850400	*	1.972E-28	3.57E-28	0.14203	chr11_850201_850400	sig	hyper
chr11	856801	857000	*	1.247E-36	2.658E-36	-0.13283	chr11_856801_857000	sig	hypo
chr11	857001	857200	*	2.668E-19	3.899E-19	-0.10297	chr11_857001_857200	sig	hypo
chr11	865601	865800	*	1.129E-17	1.578E-17	-0.11874	chr11_865601_865800	sig	hypo
chr11	865801	866000	*	3.232E-54	9.218E-54	-0.2418	chr11_865801_866000	sig	hypo
chr11	970601	970800	*	5.767E-19	8.354E-19	-0.11982	chr11_970601_970800	sig	hypo
chr11	1006001	1006200	*	1.258E-55	3.673E-55	0.154861	chr11_1006001_1006200	sig	hyper
chr11	1006201	1006400	*	2.775E-22	4.37E-22	0.11175	chr11_1006201_1006400	sig	hyper
chr11	1007001	1007200	*	1.435E-55	4.184E-55	0.107505	chr11_1007001_1007200	sig	hyper
chr11	1025801	1026000	*	2.167E-26	3.769E-26	-0.11231	chr11_1025801_1026000	sig	hypo
chr11	1026001	1026200	*	1.34E-12	1.605E-12	-0.13246	chr11_1026001_1026200	sig	hypo
chr11	1028201	1028400	*	3.4E-129	2.72E-128	-0.26546	chr11_1028201_1028400	sig	hypo
chr11	1033001	1033200	*	1.3E-48	3.391E-48	-0.1443	chr11_1033001_1033200	sig	hypo

chr11	1037801	1038000	*	1.985E-37	4.297E-37	-0.1676	chr11_1037801_1038000	sig	hypo
chr11	1040201	1040400	*	1.713E-41	3.971E-41	-0.21244	chr11_1040201_1040400	sig	hypo
chr11	1043801	1044000	*	6.145E-96	3.183E-95	-0.19283	chr11_1043801_1044000	sig	hypo
chr11	1047601	1047800	*	2.364E-43	5.651E-43	-0.1362	chr11_1047601_1047800	sig	hypo
chr11	1056601	1056800	*	2.491E-30	4.687E-30	0.122525	chr11_1056601_1056800	sig	hyper
chr11	1073401	1073600	*	3.917E-37	8.433E-37	-0.12031	chr11_1073401_1073600	sig	hypo
chr11	1074601	1074800	*	5.756E-38	1.257E-37	-0.17259	chr11_1074601_1074800	sig	hypo
chr11	1085001	1085200	*	1.851E-24	3.074E-24	-0.11715	chr11_1085001_1085200	sig	hypo
chr11	1086801	1087000	*	1.72E-32	3.38E-32	-0.1685	chr11_1086801_1087000	sig	hypo
chr11	1101201	1101400	*	8.394E-43	1.989E-42	-0.20256	chr11_1101201_1101400	sig	hypo
chr11	1114001	1114200	*	3.981E-82	1.702E-81	-0.15434	chr11_1114001_1114200	sig	hypo
chr11	1152401	1152600	*	5.69E-209	1.34E-207	-0.40081	chr11_1152401_1152600	sig	hypo
chr11	1161801	1162000	*	1.619E-14	2.067E-14	-0.10703	chr11_1161801_1162000	sig	hypo
chr11	1162001	1162200	*	7.425E-44	1.79E-43	-0.12322	chr11_1162001_1162200	sig	hypo
chr11	1165601	1165800	*	2.254E-86	1.021E-85	-0.21317	chr11_1165601_1165800	sig	hypo
chr11	1208601	1208800	*	9.659E-27	1.692E-26	-0.16451	chr11_1208601_1208800	sig	hypo
chr11	1217001	1217200	*	3.469E-31	6.641E-31	-0.13141	chr11_1217001_1217200	sig	hypo
chr11	1297601	1297800	*	9.132E-25	1.529E-24	-0.16656	chr11_1297601_1297800	sig	hypo
chr11	1299001	1299200	*	6.297E-10	6.795E-10	-0.1059	chr11_1299001_1299200	sig	hypo
chr11	1299201	1299400	*	2.535E-45	6.254E-45	-0.14733	chr11_1299201_1299400	sig	hypo
chr11	1300601	1300800	*	1.48E-29	2.742E-29	0.10908	chr11_1300601_1300800	sig	hyper
chr11	1304401	1304600	*	1.398E-40	3.191E-40	-0.15197	chr11_1304401_1304600	sig	hypo
chr11	1305201	1305400	*	1E-116	6.84E-116	-0.207	chr11_1305201_1305400	sig	hypo
chr11	1305401	1305600	*	1.255E-28	2.281E-28	-0.1843	chr11_1305401_1305600	sig	hypo
chr11	1307401	1307600	*	1.009E-28	1.839E-28	-0.16246	chr11_1307401_1307600	sig	hypo
chr11	1310401	1310600	*	1.099E-90	5.289E-90	-0.24631	chr11_1310401_1310600	sig	hypo
chr11	1338801	1339000	*	4.006E-25	6.754E-25	-0.14625	chr11_1338801_1339000	sig	hypo
chr11	1343801	1344000	*	3.16E-85	1.409E-84	-0.19947	chr11_1343801_1344000	sig	hypo
chr11	1344201	1344400	*	5.48E-126	4.2E-125	-0.23163	chr11_1344201_1344400	sig	hypo
chr11	1344401	1344600	*	9.075E-26	1.555E-25	-0.11345	chr11_1344401_1344600	sig	hypo
chr11	1351401	1351600	*	6.42E-154	7.17E-153	-0.33086	chr11_1351401_1351600	sig	hypo
chr11	1373601	1373800	*	2.016E-12	2.398E-12	-0.10404	chr11_1373601_1373800	sig	hypo
chr11	1389801	1390000	*	6.259E-35	1.292E-34	0.104113	chr11_1389801_1390000	sig	hyper
chr11	1392001	1392200	*	1.128E-65	3.824E-65	-0.20521	chr11_1392001_1392200	sig	hypo
chr11	1434201	1434400	*	8.714E-33	1.723E-32	-0.16713	chr11_1434201_1434400	sig	hypo
chr11	1452001	1452200	*	1.191E-29	2.212E-29	0.102678	chr11_1452001_1452200	sig	hyper
chr11	1453401	1453600	*	1.181E-34	2.425E-34	0.153618	chr11_1453401_1453600	sig	hyper
chr11	1461801	1462000	*	3.25E-142	3.09E-141	0.369034	chr11_1461801_1462000	sig	hyper
chr11	1462001	1462200	*	1.086E-22	1.728E-22	0.103559	chr11_1462001_1462200	sig	hyper
chr11	1485601	1485800	*	1.025E-47	2.637E-47	0.233305	chr11_1485601_1485800	sig	hyper
chr11	1485801	1486000	*	4.684E-68	1.639E-67	0.224524	chr11_1485801_1486000	sig	hyper
chr11	1489401	1489600	*	2.536E-31	4.867E-31	0.12715	chr11_1489401_1489600	sig	hyper
chr11	1514601	1514800	*	4.95E-22	7.746E-22	0.128647	chr11_1514601_1514800	sig	hyper
chr11	1521001	1521200	*	1.577E-81	6.678E-81	0.150193	chr11_1521001_1521200	sig	hyper
chr11	1558001	1558200	*	6.92E-296	4.87E-294	0.38665	chr11_1558001_1558200	sig	hyper
chr11	1564601	1564800	*	7.344E-45	1.8E-44	0.20909	chr11_1564601_1564800	sig	hyper
chr11	1639201	1639400	*	1.16E-51	3.173E-51	-0.20386	chr11_1639201_1639400	sig	hypo
chr11	1644001	1644200	*	5.591E-49	1.469E-48	-0.1648	chr11_1644001_1644200	sig	hypo
chr11	1659601	1659800	*	1.039E-28	1.893E-28	-0.13766	chr11_1659601_1659800	sig	hypo
chr11	1729401	1729600	*	2.967E-31	5.685E-31	-0.16407	chr11_1729401_1729600	sig	hypo
chr11	1743801	1744000	*	5.925E-15	7.669E-15	-0.12503	chr11_1743801_1744000	sig	hypo
chr11	1748001	1748200	*	3.321E-54	9.47E-54	0.273581	chr11_1748001_1748200	sig	hyper
chr11	1748201	1748400	*	3.308E-90	1.583E-89	0.255956	chr11_1748201_1748400	sig	hyper
chr11	1832801	1833000	*	3.797E-19	5.528E-19	0.150749	chr11_1832801_1833000	sig	hyper
chr11	1837201	1837400	*	1.661E-55	4.837E-55	-0.18855	chr11_1837201_1837400	sig	hypo
chr11	1849801	1850000	*	1.195E-21	1.855E-21	-0.12943	chr11_1849801_1850000	sig	hypo

chr11	1853001	1853200	*	2.777E-43	6.631E-43	-0.21721	chr11_1853001_1853200	sig	hypo
chr11	1853201	1853400	*	5.508E-86	2.483E-85	-0.29316	chr11_1853201_1853400	sig	hypo
chr11	1869601	1869800	*	5.138E-49	1.351E-48	-0.27762	chr11_1869601_1869800	sig	hypo
chr11	1871001	1871200	*	2.581E-84	1.138E-83	0.156236	chr11_1871001_1871200	sig	hyper
chr11	1872201	1872400	*	1.162E-44	2.841E-44	-0.20605	chr11_1872201_1872400	sig	hypo
chr11	1877601	1877800	*	3.634E-15	4.738E-15	0.104754	chr11_1877601_1877800	sig	hyper
chr11	1881801	1882000	*	3.096E-22	4.869E-22	-0.1334	chr11_1881801_1882000	sig	hypo
chr11	1882001	1882200	*	1.458E-27	2.597E-27	-0.14901	chr11_1882001_1882200	sig	hypo
chr11	1918201	1918400	*	5.214E-54	1.483E-53	-0.29533	chr11_1918201_1918400	sig	hypo
chr11	1918401	1918600	*	5.515E-35	1.14E-34	-0.24109	chr11_1918401_1918600	sig	hypo
chr11	1924601	1924800	*	1.411E-24	2.352E-24	-0.14426	chr11_1924601_1924800	sig	hypo
chr11	1926201	1926400	*	2.409E-29	4.443E-29	-0.1239	chr11_1926201_1926400	sig	hypo
chr11	1926401	1926600	*	9.642E-95	4.906E-94	-0.23551	chr11_1926401_1926600	sig	hypo
chr11	1927601	1927800	*	8.086E-50	2.149E-49	-0.19622	chr11_1927601_1927800	sig	hypo
chr11	1936201	1936400	*	4.853E-34	9.837E-34	-0.1331	chr11_1936201_1936400	sig	hypo
chr11	1943801	1944000	*	3.288E-22	5.168E-22	-0.15448	chr11_1943801_1944000	sig	hypo
chr11	2088401	2088600	*	4.277E-34	8.682E-34	-0.1629	chr11_2088401_2088600	sig	hypo
chr11	2121601	2121800	*	4.071E-28	7.324E-28	-0.18519	chr11_2121601_2121800	sig	hypo
chr11	2135001	2135200	*	3.258E-57	9.751E-57	-0.22634	chr11_2135001_2135200	sig	hypo
chr11	2135201	2135400	*	2.416E-92	1.184E-91	-0.20174	chr11_2135201_2135400	sig	hypo
chr11	2140001	2140200	*	1.39E-107	8.37E-107	0.207234	chr11_2140001_2140200	sig	hyper
chr11	2140201	2140400	*	1.24E-127	9.76E-127	0.216773	chr11_2140201_2140400	sig	hyper
chr11	2140601	2140800	*	4.09E-273	2.19E-271	0.3099	chr11_2140601_2140800	sig	hyper
chr11	2140801	2141000	*	3.24E-120	2.3E-119	0.322682	chr11_2140801_2141000	sig	hyper
chr11	2141001	2141200	*	2.665E-87	1.223E-86	0.252113	chr11_2141001_2141200	sig	hyper
chr11	2141201	2141400	*	1.753E-47	4.495E-47	0.203367	chr11_2141201_2141400	sig	hyper
chr11	2144201	2144400	*	1.261E-37	2.739E-37	0.116548	chr11_2144201_2144400	sig	hyper
chr11	2144401	2144600	*	1.11E-103	6.3E-103	0.201488	chr11_2144401_2144600	sig	hyper
chr11	2155601	2155800	*	3.611E-41	8.321E-41	-0.14482	chr11_2155601_2155800	sig	hypo
chr11	2160201	2160400	*	1.42E-135	1.23E-134	-0.31858	chr11_2160201_2160400	sig	hypo
chr11	2168801	2169000	*	3.51E-64	1.167E-63	-0.24861	chr11_2168801_2169000	sig	hypo
chr11	2189001	2189200	*	2.583E-26	4.482E-26	-0.13512	chr11_2189001_2189200	sig	hypo
chr11	2211801	2212000	*	1.019E-76	4.039E-76	-0.31827	chr11_2211801_2212000	sig	hypo
chr11	2213601	2213800	*	1.65E-103	9.38E-103	-0.37355	chr11_2213601_2213800	sig	hypo
chr11	2266401	2266600	*	5.239E-62	1.682E-61	-0.21796	chr11_2266401_2266600	sig	hypo
chr11	2266601	2266800	*	2.25E-105	1.31E-104	-0.23955	chr11_2266601_2266800	sig	hypo
chr11	2271401	2271600	*	4.342E-37	9.337E-37	0.135867	chr11_2271401_2271600	sig	hyper
chr11	2271601	2271800	*	3.27E-34	6.656E-34	0.185951	chr11_2271601_2271800	sig	hyper
chr11	2271801	2272000	*	1.33E-126	1.03E-125	0.219958	chr11_2271801_2272000	sig	hyper
chr11	2287201	2287400	*	3.138E-13	3.844E-13	0.101015	chr11_2287201_2287400	sig	hyper
chr11	2300601	2300800	*	2.798E-57	8.389E-57	-0.18897	chr11_2300601_2300800	sig	hypo
chr11	2301201	2301400	*	2.911E-29	5.359E-29	-0.17676	chr11_2301201_2301400	sig	hypo
chr11	2301401	2301600	*	1.04E-107	6.3E-107	-0.24725	chr11_2301401_2301600	sig	hypo
chr11	2301601	2301800	*	4.618E-31	8.819E-31	-0.22471	chr11_2301601_2301800	sig	hypo
chr11	2302001	2302200	*	1.337E-39	3E-39	-0.20649	chr11_2302001_2302200	sig	hypo
chr11	2313601	2313800	*	2.197E-25	3.727E-25	-0.10014	chr11_2313601_2313800	sig	hypo
chr11	2328201	2328400	*	4.947E-56	1.452E-55	-0.14546	chr11_2328201_2328400	sig	hypo
chr11	2335401	2335600	*	6.189E-98	3.285E-97	-0.17112	chr11_2335401_2335600	sig	hypo
chr11	2376201	2376400	*	1.48E-44	3.613E-44	-0.18308	chr11_2376201_2376400	sig	hypo
chr11	2376401	2376600	*	2.455E-65	8.282E-65	-0.2014	chr11_2376401_2376600	sig	hypo
chr11	2383001	2383200	*	1.083E-82	4.667E-82	0.316925	chr11_2383001_2383200	sig	hyper
chr11	2385601	2385800	*	1.867E-22	2.954E-22	0.105082	chr11_2385601_2385800	sig	hyper
chr11	2410001	2410200	*	1.376E-10	1.528E-10	0.115507	chr11_2410001_2410200	sig	hyper
chr11	2415001	2415200	*	1.004E-54	2.887E-54	-0.21869	chr11_2415001_2415200	sig	hypo
chr11	2416801	2417000	*	2.362E-81	9.985E-81	-0.18169	chr11_2416801_2417000	sig	hypo
chr11	2422801	2423000	*	4.859E-11	5.491E-11	-0.1381	chr11_2422801_2423000	sig	hypo

chr11	2423601	2423800	*	6.774E-26	1.165E-25	-0.12465	chr11_2423601_2423800	sig	hypo
chr11	2447001	2447200	*	3.069E-20	4.599E-20	-0.15284	chr11_2447001_2447200	sig	hypo
chr11	2460601	2460800	*	7.568E-43	1.794E-42	-0.19614	chr11_2460601_2460800	sig	hypo
chr11	2527601	2527800	*	1.402E-54	4.022E-54	-0.14915	chr11_2527601_2527800	sig	hypo
chr11	2533201	2533400	*	2.346E-54	6.708E-54	0.135238	chr11_2533201_2533400	sig	hyper
chr11	2701001	2701200	*	2.321E-21	3.573E-21	0.105856	chr11_2701001_2701200	sig	hyper
chr11	2708801	2709000	*	6.45E-213	1.61E-211	0.420687	chr11_2708801_2709000	sig	hyper
chr11	2725401	2725600	*	1.116E-29	2.073E-29	-0.13257	chr11_2725401_2725600	sig	hypo
chr11	2732601	2732800	*	2.491E-43	5.952E-43	-0.11209	chr11_2732601_2732800	sig	hypo
chr11	2807001	2807200	*	1.47E-75	5.728E-75	0.251035	chr11_2807001_2807200	sig	hyper
chr11	2807201	2807400	*	1.02E-287	6.45E-286	0.333224	chr11_2807201_2807400	sig	hyper
chr11	2807401	2807600	*	1.67E-103	9.5E-103	0.200758	chr11_2807401_2807600	sig	hyper
chr11	2825601	2825800	*	2.733E-78	1.107E-77	0.219273	chr11_2825601_2825800	sig	hyper
chr11	2826201	2826400	*	4.533E-40	1.026E-39	0.206112	chr11_2826201_2826400	sig	hyper
chr11	2826401	2826600	*	3.423E-94	1.727E-93	0.221251	chr11_2826401_2826600	sig	hyper
chr11	2839601	2839800	*	2.578E-19	3.768E-19	-0.12073	chr11_2839601_2839800	sig	hypo
chr11	2868201	2868400	*	5.027E-17	6.895E-17	-0.11663	chr11_2868201_2868400	sig	hypo
chr11	2869201	2869400	*	8.61E-160	1.04E-158	0.197847	chr11_2869201_2869400	sig	hyper
chr11	2869401	2869600	*	3.31E-239	1.14E-237	0.257497	chr11_2869401_2869600	sig	hyper
chr11	2883401	2883600	*	8.277E-38	1.803E-37	0.122589	chr11_2883401_2883600	sig	hyper
chr11	2886401	2886600	*	8.477E-35	1.746E-34	0.167622	chr11_2886401_2886600	sig	hyper
chr11	2904201	2904400	*	1.394E-86	6.334E-86	-0.24972	chr11_2904201_2904400	sig	hypo
chr11	2909201	2909400	*	1.429E-51	3.898E-51	0.250906	chr11_2909201_2909400	sig	hyper
chr11	2928201	2928400	*	6.821E-51	1.841E-50	-0.12858	chr11_2928201_2928400	sig	hypo
chr11	2933401	2933600	*	2.506E-58	7.609E-58	-0.16607	chr11_2933401_2933600	sig	hypo
chr11	3000801	3001000	*	2.95E-182	4.82E-181	0.344862	chr11_3000801_3001000	sig	hyper
chr11	3050001	3050200	*	9.496E-71	3.454E-70	-0.19041	chr11_3050001_3050200	sig	hypo
chr11	3123401	3123600	*	1.9E-271	1E-269	0.329642	chr11_3123401_3123600	sig	hyper
chr11	3156601	3156800	*	2.487E-24	4.115E-24	0.138195	chr11_3156601_3156800	sig	hyper
chr11	3203801	3204000	*	6.867E-69	2.433E-68	0.108835	chr11_3203801_3204000	sig	hyper
chr11	3218601	3218800	*	5.02E-160	6.08E-159	-0.24757	chr11_3218601_3218800	sig	hypo
chr11	3219001	3219200	*	1.237E-19	1.823E-19	-0.14328	chr11_3219001_3219200	sig	hypo
chr11	3223201	3223400	*	2.242E-67	7.778E-67	-0.21818	chr11_3223201_3223400	sig	hypo
chr11	3232401	3232600	*	1.305E-49	3.46E-49	0.194629	chr11_3232401_3232600	sig	hyper
chr11	3232601	3232800	*	1.92E-167	2.57E-166	0.20215	chr11_3232601_3232800	sig	hyper
chr11	3435201	3435400	*	4.12E-171	5.82E-170	-0.26369	chr11_3435201_3435400	sig	hypo
chr11	3989401	3989600	*	2.799E-48	7.268E-48	0.10017	chr11_3989401_3989600	sig	hyper
chr11	4212201	4212400	*	1.18E-116	8.07E-116	0.260053	chr11_4212201_4212400	sig	hyper
chr11	6244001	6244200	*	1.514E-35	3.161E-35	-0.15755	chr11_6244001_6244200	sig	hypo
chr11	6259201	6259400	*	1.16E-148	1.21E-147	0.14926	chr11_6259201_6259400	sig	hyper
chr11	6319001	6319200	*	7.635E-56	2.236E-55	0.26919	chr11_6319001_6319200	sig	hyper
chr11	6319201	6319400	*	4.41E-145	4.35E-144	0.271402	chr11_6319201_6319400	sig	hyper
chr11	6320601	6320800	*	9.504E-26	1.628E-25	0.112737	chr11_6320601_6320800	sig	hyper
chr11	6570801	6571000	*	1.605E-54	4.599E-54	0.155141	chr11_6570801_6571000	sig	hyper
chr11	6571001	6571200	*	3.816E-45	9.386E-45	0.219135	chr11_6571001_6571200	sig	hyper
chr11	6571201	6571400	*	3.853E-53	1.079E-52	0.236896	chr11_6571201_6571400	sig	hyper
chr11	6571401	6571600	*	7.078E-93	3.494E-92	0.221648	chr11_6571401_6571600	sig	hyper
chr11	6655201	6655400	*	2.91E-68	1.02E-67	0.213954	chr11_6655201_6655400	sig	hyper
chr11	7088801	7089000	*	1.11E-20	1.681E-20	0.100895	chr11_7088801_7089000	sig	hyper
chr11	7251801	7252000	*	5.985E-59	1.834E-58	0.183619	chr11_7251801_7252000	sig	hyper
chr11	7252801	7253000	*	2.698E-15	3.529E-15	0.117355	chr11_7252801_7253000	sig	hyper
chr11	7514601	7514800	*	8.099E-22	1.262E-21	0.117937	chr11_7514601_7514800	sig	hyper
chr11	8018801	8019000	*	1.14E-143	1.11E-142	0.254962	chr11_8018801_8019000	sig	hyper
chr11	8019001	8019200	*	3.17E-140	2.93E-139	0.203947	chr11_8019001_8019200	sig	hyper
chr11	8019801	8020000	*	8.11E-208	1.88E-206	0.179756	chr11_8019801_8020000	sig	hyper
chr11	8080801	8081000	*	1.843E-47	4.721E-47	0.111154	chr11_8080801_8081000	sig	hyper

chr11	8168601	8168800	*	1.28E-254	5.43E-253	0.335256	chr11_8168601_8168800	sig	hyper
chr11	8168801	8169000	*	1.11E-137	9.88E-137	0.256822	chr11_8168801_8169000	sig	hyper
chr11	8169001	8169200	*	0	0	0.231031	chr11_8169001_8169200	sig	hyper
chr11	8262801	8263000	*	2.462E-37	5.321E-37	0.187925	chr11_8262801_8263000	sig	hyper
chr11	8263401	8263600	*	6.05E-78	2.44E-77	0.192896	chr11_8263401_8263600	sig	hyper
chr11	8268001	8268200	*	2.637E-63	8.635E-63	0.210087	chr11_8268001_8268200	sig	hyper
chr11	8269201	8269400	*	9.252E-46	2.299E-45	0.212706	chr11_8269201_8269400	sig	hyper
chr11	8315801	8316000	*	2.32E-17	3.212E-17	0.123468	chr11_8315801_8316000	sig	hyper
chr11	8357201	8357400	*	1.609E-11	1.85E-11	-0.11014	chr11_8357201_8357400	sig	hypo
chr11	8684001	8684200	*	7.183E-63	2.334E-62	-0.16489	chr11_8684001_8684200	sig	hypo
chr11	9090801	9091000	*	1.213E-18	1.743E-18	0.156847	chr11_9090801_9091000	sig	hyper
chr11	1.1E+07	1.1E+07	*	4.45E-106	2.63E-105	0.28579	chr11_10693801_106940(	sig	hyper
chr11	1.1E+07	1.1E+07	*	3.51E-149	3.69E-148	0.271111	chr11_10729201_107294(	sig	hyper
chr11	1.4E+07	1.4E+07	*	1.21E-17	1.69E-17	0.125818	chr11_14259401_142596(	sig	hyper
chr11	1.5E+07	1.5E+07	*	7.493E-40	1.689E-39	0.163961	chr11_14905401_149056(	sig	hyper
chr11	1.5E+07	1.5E+07	*	2.805E-11	3.196E-11	-0.10615	chr11_14905801_149060(	sig	hypo
chr11	1.5E+07	1.5E+07	*	2.976E-59	9.159E-59	0.129227	chr11_14972201_149724(	sig	hyper
chr11	1.5E+07	1.5E+07	*	1.182E-28	2.15E-28	0.121606	chr11_14973001_149732(	sig	hyper
chr11	1.5E+07	1.5E+07	*	3.045E-84	1.34E-83	0.125449	chr11_14973601_149738(	sig	hyper
chr11	1.5E+07	1.5E+07	*	3.734E-43	8.9E-43	0.149266	chr11_14973801_149740(	sig	hyper
chr11	1.5E+07	1.5E+07	*	2.008E-44	4.889E-44	0.192752	chr11_14974001_149742(	sig	hyper
chr11	1.5E+07	1.5E+07	*	4.466E-46	1.116E-45	0.150878	chr11_15073601_150738(	sig	hyper
chr11	1.5E+07	1.5E+07	*	3.7E-131	3.05E-130	0.292515	chr11_15114401_151146(	sig	hyper
chr11	1.5E+07	1.5E+07	*	2.96E-148	3.07E-147	0.26959	chr11_15114801_151150(	sig	hyper
chr11	1.6E+07	1.6E+07	*	6.039E-13	7.326E-13	0.136306	chr11_15651201_156514(	sig	hyper
chr11	1.6E+07	1.6E+07	*	7.98E-146	7.95E-145	0.271086	chr11_15938001_159382(	sig	hyper
chr11	1.6E+07	1.6E+07	*	1.73E-249	6.89E-248	0.348032	chr11_15938201_159384(	sig	hyper
chr11	1.6E+07	1.6E+07	*	2.1E-194	4.08E-193	0.350552	chr11_15938401_159386(	sig	hyper
chr11	1.7E+07	1.7E+07	*	3.563E-13	4.355E-13	0.114718	chr11_16604201_166044(	sig	hyper
chr11	1.7E+07	1.7E+07	*	3.617E-51	9.799E-51	0.161542	chr11_16610201_166104(	sig	hyper
chr11	1.7E+07	1.7E+07	*	8.725E-60	2.707E-59	0.165346	chr11_16610401_166106(	sig	hyper
chr11	1.7E+07	1.7E+07	*	9.41E-145	9.22E-144	0.259954	chr11_16611001_166112(	sig	hyper
chr11	1.7E+07	1.7E+07	*	7.439E-37	1.594E-36	0.116646	chr11_17476201_174764(	sig	hyper
chr11	1.8E+07	1.8E+07	*	6.529E-53	1.822E-52	0.171748	chr11_17547201_175474(	sig	hyper
chr11	1.8E+07	1.8E+07	*	4.961E-88	2.303E-87	0.162775	chr11_17718801_177190(	sig	hyper
chr11	1.8E+07	1.8E+07	*	1.09E-125	8.3E-125	0.391688	chr11_17720801_177210(	sig	hyper
chr11	1.8E+07	1.8E+07	*	2.63E-166	3.47E-165	0.219514	chr11_17722001_177222(	sig	hyper
chr11	1.8E+07	1.8E+07	*	5.069E-23	8.143E-23	0.190709	chr11_17736601_177368(	sig	hyper
chr11	1.8E+07	1.8E+07	*	1.35E-130	1.1E-129	0.307768	chr11_18209201_182094(	sig	hyper
chr11	1.8E+07	1.8E+07	*	5.08E-146	5.08E-145	0.220169	chr11_18412201_184124(	sig	hyper
chr11	1.8E+07	1.8E+07	*	8.045E-37	1.722E-36	0.134815	chr11_18455601_184558(	sig	hyper
chr11	1.8E+07	1.8E+07	*	2.666E-36	5.65E-36	0.147893	chr11_18455801_184560(	sig	hyper
chr11	1.9E+07	1.9E+07	*	4.46E-15	5.796E-15	-0.10497	chr11_18728601_187288(	sig	hypo
chr11	1.9E+07	1.9E+07	*	9.381E-69	3.317E-68	0.30772	chr11_18791001_187912(	sig	hyper
chr11	1.9E+07	1.9E+07	*	2.87E-110	1.8E-109	0.256991	chr11_18792401_187926(	sig	hyper
chr11	1.9E+07	1.9E+07	*	3.423E-50	9.154E-50	0.139389	chr11_19345801_193460(	sig	hyper
chr11	1.9E+07	1.9E+07	*	7.29E-172	1.04E-170	0.261022	chr11_19346001_193462(	sig	hyper
chr11	1.9E+07	1.9E+07	*	8.039E-33	1.59E-32	0.109236	chr11_19346601_193468(	sig	hyper
chr11	1.9E+07	1.9E+07	*	6.146E-14	7.7E-14	0.111494	chr11_19350401_193506(	sig	hyper
chr11	2E+07	2E+07	*	1.46E-140	1.35E-139	0.242752	chr11_19714001_197142(	sig	hyper
chr11	2E+07	2E+07	*	2.742E-63	8.973E-63	0.180557	chr11_20156401_201566(	sig	hyper
chr11	2E+07	2E+07	*	1.128E-22	1.794E-22	0.1002	chr11_20157401_201576(	sig	hyper
chr11	2E+07	2E+07	*	3.172E-67	1.098E-66	0.167599	chr11_20158801_201590(	sig	hyper
chr11	2E+07	2E+07	*	4.36E-233	1.39E-231	0.320379	chr11_20160401_201606(	sig	hyper
chr11	2E+07	2E+07	*	2.24E-264	1.08E-262	0.318504	chr11_20160601_201608(	sig	hyper
chr11	2E+07	2E+07	*	4.053E-74	1.545E-73	0.176294	chr11_20161401_201616(	sig	hyper

chr11	2E+07	2E+07	*	4.907E-60	1.529E-59	0.270937	chr11_20162601_201628(	sig	hyper
chr11	2E+07	2E+07	*	2.72E-225	7.85E-224	0.305457	chr11_20163001_201632(	sig	hyper
chr11	2E+07	2E+07	*	3.922E-81	1.65E-80	0.286374	chr11_20163401_201636(	sig	hyper
chr11	2E+07	2E+07	*	1.01E-152	1.11E-151	0.26783	chr11_20163601_201638(	sig	hyper
chr11	2E+07	2E+07	*	2.4E-83	1.043E-82	0.255217	chr11_20208401_202086(	sig	hyper
chr11	2E+07	2E+07	*	6.539E-56	1.916E-55	0.219181	chr11_20208601_202088(	sig	hyper
chr11	2.1E+07	2.1E+07	*	1.345E-64	4.49E-64	0.189464	chr11_20596401_205966(	sig	hyper
chr11	2.1E+07	2.1E+07	*	4.87E-133	4.1E-132	0.234414	chr11_20596601_205968(	sig	hyper
chr11	2.1E+07	2.1E+07	*	4.91E-173	7.13E-172	0.333857	chr11_20597401_205976(	sig	hyper
chr11	2.1E+07	2.1E+07	*	7.45E-168	1E-166	0.370115	chr11_20598601_205988(	sig	hyper
chr11	2.1E+07	2.1E+07	*	4.37E-155	4.96E-154	0.256677	chr11_20601001_206012(	sig	hyper
chr11	2.1E+07	2.1E+07	*	2.54E-183	4.19E-182	0.344099	chr11_20601601_206018(	sig	hyper
chr11	2.1E+07	2.1E+07	*	1.572E-44	3.834E-44	0.196327	chr11_20605401_206056(	sig	hyper
chr11	2.1E+07	2.1E+07	*	2.61E-267	1.32E-265	0.399027	chr11_20669201_206694(	sig	hyper
chr11	2.1E+07	2.1E+07	*	1.2E-166	1.59E-165	0.41657	chr11_20669801_206700(	sig	hyper
chr11	2.1E+07	2.1E+07	*	1.34E-205	3.01E-204	0.28281	chr11_20671201_206714(	sig	hyper
chr11	2.2E+07	2.2E+07	*	1.805E-93	9.007E-93	0.211773	chr11_22193601_221938(	sig	hyper
chr11	2.2E+07	2.2E+07	*	1.649E-92	8.1E-92	0.192139	chr11_22193801_221940(	sig	hyper
chr11	2.2E+07	2.2E+07	*	7.235E-41	1.658E-40	0.159812	chr11_22342801_223430(	sig	hyper
chr11	2.2E+07	2.2E+07	*	1.158E-80	4.845E-80	0.144695	chr11_22343201_223434(	sig	hyper
chr11	2.2E+07	2.2E+07	*	1.51E-108	9.18E-108	0.243369	chr11_22432601_224328(	sig	hyper
chr11	2.2E+07	2.2E+07	*	7.35E-210	1.75E-208	0.291825	chr11_22432801_224330(	sig	hyper
chr11	2.2E+07	2.2E+07	*	2.7E-155	3.07E-154	0.29433	chr11_22433001_224332(	sig	hyper
chr11	2.4E+07	2.4E+07	*	5.62E-208	1.31E-206	0.285102	chr11_24496601_244968(	sig	hyper
chr11	2.8E+07	2.8E+07	*	2.85E-128	2.26E-127	0.213283	chr11_27699401_276996(	sig	hyper
chr11	2.8E+07	2.8E+07	*	4.23E-151	4.59E-150	0.344518	chr11_27720401_277206(	sig	hyper
chr11	2.8E+07	2.8E+07	*	4.682E-95	2.394E-94	0.18447	chr11_27720601_277208(	sig	hyper
chr11	2.8E+07	2.8E+07	*	1.892E-34	3.871E-34	0.139217	chr11_27721201_277214(	sig	hyper
chr11	2.8E+07	2.8E+07	*	7.11E-206	1.6E-204	0.274358	chr11_27721601_277218(	sig	hyper
chr11	2.8E+07	2.8E+07	*	1.15E-199	2.41E-198	0.224158	chr11_27721801_277220(	sig	hyper
chr11	2.8E+07	2.8E+07	*	1.42E-106	8.42E-106	0.2192	chr11_27722001_277222(	sig	hyper
chr11	2.8E+07	2.8E+07	*	4.07E-147	4.15E-146	0.205301	chr11_27722801_277230(	sig	hyper
chr11	3E+07	3E+07	*	3.76E-100	2.04E-99	0.294444	chr11_30016001_300162(	sig	hyper
chr11	3E+07	3E+07	*	8.71E-105	5.04E-104	0.234549	chr11_30016201_300164(	sig	hyper
chr11	3E+07	3E+07	*	2.388E-57	7.165E-57	0.263673	chr11_30017401_300176(	sig	hyper
chr11	3.1E+07	3.1E+07	*	8.25E-119	5.77E-118	0.289589	chr11_30583801_305840(	sig	hyper
chr11	3.1E+07	3.1E+07	*	1.32E-133	1.12E-132	0.291159	chr11_30584001_305842(	sig	hyper
chr11	3.1E+07	3.1E+07	*	7.795E-83	3.367E-82	0.266243	chr11_30584601_305848(	sig	hyper
chr11	3.1E+07	3.1E+07	*	1.173E-59	3.633E-59	0.194649	chr11_30586201_305864(	sig	hyper
chr11	3.1E+07	3.1E+07	*	4.52E-227	1.33E-225	0.132882	chr11_30586401_305866(	sig	hyper
chr11	3.2E+07	3.2E+07	*	4.238E-68	1.484E-67	0.272893	chr11_31796801_317970(	sig	hyper
chr11	3.2E+07	3.2E+07	*	3.57E-45	8.784E-45	0.218458	chr11_31797201_317974(	sig	hyper
chr11	3.2E+07	3.2E+07	*	7.49E-249	2.96E-247	0.324815	chr11_31797801_317980(	sig	hyper
chr11	3.2E+07	3.2E+07	*	1.032E-61	3.304E-61	0.247622	chr11_31798001_317982(	sig	hyper
chr11	3.2E+07	3.2E+07	*	5.47E-101	3.01E-100	0.279571	chr11_31799001_317992(	sig	hyper
chr11	3.2E+07	3.2E+07	*	1.211E-94	6.147E-94	0.270263	chr11_31799401_317996(	sig	hyper
chr11	3.2E+07	3.2E+07	*	2.58E-113	1.69E-112	0.340505	chr11_31799601_317998(	sig	hyper
chr11	3.2E+07	3.2E+07	*	4.32E-106	2.55E-105	0.277691	chr11_31799801_318000(	sig	hyper
chr11	3.2E+07	3.2E+07	*	1.03E-175	1.55E-174	0.256953	chr11_31800601_318008(	sig	hyper
chr11	3.2E+07	3.2E+07	*	3.754E-84	1.648E-83	0.183568	chr11_31801601_318018(	sig	hyper
chr11	3.2E+07	3.2E+07	*	7.29E-109	4.47E-108	0.345103	chr11_31802601_318028(	sig	hyper
chr11	3.2E+07	3.2E+07	*	3.224E-65	1.086E-64	0.232787	chr11_31803401_318036(	sig	hyper
chr11	3.2E+07	3.2E+07	*	6.628E-96	3.43E-95	0.190196	chr11_31803601_318038(	sig	hyper
chr11	3.2E+07	3.2E+07	*	3.32E-141	3.11E-140	0.321104	chr11_31804201_318044(	sig	hyper
chr11	3.2E+07	3.2E+07	*	9.12E-103	5.12E-102	0.356841	chr11_31804801_318050(	sig	hyper
chr11	3.2E+07	3.2E+07	*	9.78E-153	1.08E-151	0.293303	chr11_31805401_318056(	sig	hyper

chr11	3.2E+07	3.2E+07	*	5.1E-100	2.77E-99	0.215328	chr11_31806401_318066(	sig	hyper
chr11	3.2E+07	3.2E+07	*	4.98E-117	3.41E-116	0.209926	chr11_31814001_318142(	sig	hyper
chr11	3.2E+07	3.2E+07	*	3.325E-93	1.649E-92	0.185981	chr11_31815801_318160(	sig	hyper
chr11	3.2E+07	3.2E+07	*	5.481E-50	1.462E-49	0.120034	chr11_31817801_318180(	sig	hyper
chr11	3.2E+07	3.2E+07	*	2.6E-129	2.08E-128	0.338631	chr11_31818201_318184(	sig	hyper
chr11	3.2E+07	3.2E+07	*	1.578E-28	2.864E-28	0.125704	chr11_31819201_318194(	sig	hyper
chr11	3.2E+07	3.2E+07	*	2.374E-23	3.842E-23	0.132052	chr11_31820001_318202(	sig	hyper
chr11	3.2E+07	3.2E+07	*	6.427E-70	2.31E-69	0.200205	chr11_31823801_318240(	sig	hyper
chr11	3.2E+07	3.2E+07	*	2.841E-52	7.835E-52	0.208992	chr11_31824801_318250(	sig	hyper
chr11	3.2E+07	3.2E+07	*	1.63E-244	6.16E-243	0.309939	chr11_31825201_318254(	sig	hyper
chr11	3.2E+07	3.2E+07	*	2.864E-41	6.613E-41	0.108981	chr11_31827401_318276(	sig	hyper
chr11	3.2E+07	3.2E+07	*	4.837E-64	1.605E-63	0.277537	chr11_31987201_319874(	sig	hyper
chr11	3.2E+07	3.2E+07	*	6.87E-138	6.16E-137	0.358224	chr11_32426401_324266(	sig	hyper
chr11	3.2E+07	3.2E+07	*	9.977E-69	3.526E-68	0.314819	chr11_32426601_324268(	sig	hyper
chr11	3.2E+07	3.2E+07	*	7.389E-66	2.511E-65	0.193855	chr11_32427201_324274(	sig	hyper
chr11	3.2E+07	3.2E+07	*	7.05E-145	6.93E-144	0.279085	chr11_32427601_324278(	sig	hyper
chr11	3.2E+07	3.2E+07	*	2.75E-112	1.77E-111	0.354772	chr11_32427801_324280(	sig	hyper
chr11	3.2E+07	3.2E+07	*	3.35E-115	2.25E-114	0.32754	chr11_32428201_324284(	sig	hyper
chr11	3.2E+07	3.2E+07	*	4.86E-179	7.63E-178	0.33519	chr11_32428401_324286(	sig	hyper
chr11	3.2E+07	3.2E+07	*	6.641E-48	1.713E-47	0.234016	chr11_32428801_324290(	sig	hyper
chr11	3.2E+07	3.2E+07	*	4.65E-178	7.19E-177	0.250474	chr11_32429001_324292(	sig	hyper
chr11	3.2E+07	3.2E+07	*	2.128E-22	3.364E-22	0.168515	chr11_32429801_324300(	sig	hyper
chr11	3.2E+07	3.2E+07	*	1.381E-84	6.109E-84	0.278201	chr11_32431001_324312(	sig	hyper
chr11	3.2E+07	3.2E+07	*	9.26E-163	1.17E-161	0.299745	chr11_32431201_324314(	sig	hyper
chr11	3.2E+07	3.2E+07	*	1.82E-184	3.08E-183	0.289418	chr11_32433201_324334(	sig	hyper
chr11	3.2E+07	3.2E+07	*	7.36E-216	1.9E-214	0.303834	chr11_32433401_324336(	sig	hyper
chr11	3.2E+07	3.2E+07	*	4.15E-105	2.41E-104	0.351656	chr11_32433801_324340(	sig	hyper
chr11	3.2E+07	3.2E+07	*	1.77E-118	1.23E-117	0.354385	chr11_32434201_324344(	sig	hyper
chr11	3.2E+07	3.2E+07	*	3.901E-42	9.144E-42	0.162935	chr11_32434601_324348(	sig	hyper
chr11	3.2E+07	3.2E+07	*	7.761E-28	1.39E-27	0.10643	chr11_32435001_324352(	sig	hyper
chr11	3.2E+07	3.2E+07	*	1.42E-60	4.461E-60	0.155097	chr11_32436201_324364(	sig	hyper
chr11	3.2E+07	3.2E+07	*	3.52E-207	8.06E-206	0.309275	chr11_32437001_324372(	sig	hyper
chr11	3.2E+07	3.2E+07	*	7.91E-159	9.4E-158	0.294301	chr11_32438001_324382(	sig	hyper
chr11	3.2E+07	3.2E+07	*	1.43E-207	3.3E-206	0.213851	chr11_32439001_324392(	sig	hyper
chr11	3.2E+07	3.2E+07	*	3.224E-48	8.361E-48	0.159005	chr11_32439201_324394(	sig	hyper
chr11	3.4E+07	3.4E+07	*	9.641E-35	1.983E-34	0.177883	chr11_33828801_338290(	sig	hyper
chr11	3.4E+07	3.4E+07	*	1.04E-64	3.478E-64	0.131308	chr11_33869001_338692(	sig	hyper
chr11	3.4E+07	3.4E+07	*	6.053E-81	2.542E-80	0.158499	chr11_34174601_341748(	sig	hyper
chr11	4E+07	4E+07	*	6.04E-296	4.27E-294	0.294581	chr11_40293801_402940(	sig	hyper
chr11	4.4E+07	4.4E+07	*	7.968E-47	2.02E-46	-0.10603	chr11_43522401_435226(	sig	hypo
chr11	4.4E+07	4.4E+07	*	2.21E-141	2.07E-140	0.131002	chr11_43575601_435758(	sig	hyper
chr11	4.4E+07	4.4E+07	*	9.929E-34	2.001E-33	0.102997	chr11_43577001_435772(	sig	hyper
chr11	4.4E+07	4.4E+07	*	5.073E-78	2.048E-77	0.224496	chr11_43577401_435776(	sig	hyper
chr11	4.4E+07	4.4E+07	*	8.405E-49	2.201E-48	0.146938	chr11_43578401_435786(	sig	hyper
chr11	4.4E+07	4.4E+07	*	6.29E-219	1.69E-217	0.328459	chr11_43581201_435814(	sig	hyper
chr11	4.4E+07	4.4E+07	*	6.789E-32	1.318E-31	0.153417	chr11_43582601_435828(	sig	hyper
chr11	4.4E+07	4.4E+07	*	1.664E-27	2.962E-27	0.124435	chr11_44304201_443044(	sig	hyper
chr11	4.4E+07	4.4E+07	*	7.283E-44	1.756E-43	0.149289	chr11_44304601_443048(	sig	hyper
chr11	4.4E+07	4.4E+07	*	6.32E-172	9.02E-171	0.229385	chr11_44309201_443094(	sig	hyper
chr11	4.4E+07	4.4E+07	*	1.067E-89	5.065E-89	0.229378	chr11_44309401_443096(	sig	hyper
chr11	4.4E+07	4.4E+07	*	8.4E-114	5.53E-113	0.137272	chr11_44310001_443102(	sig	hyper
chr11	4.4E+07	4.4E+07	*	1.204E-43	2.891E-43	0.156009	chr11_44310401_443106(	sig	hyper
chr11	4.4E+07	4.4E+07	*	2.2E-118	1.53E-117	0.266536	chr11_44310801_443110(	sig	hyper
chr11	4.4E+07	4.4E+07	*	1.62E-230	4.95E-229	0.313687	chr11_44311001_443112(	sig	hyper
chr11	4.4E+07	4.4E+07	*	3.909E-74	1.491E-73	0.206727	chr11_44311201_443114(	sig	hyper
chr11	4.4E+07	4.4E+07	*	5.19E-174	7.68E-173	0.30133	chr11_44311401_443116(	sig	hyper

chr11	4.4E+07	4.4E+07	*	3.47E-115	2.33E-114	0.197819	chr11_44316601_443168(	sig	hyper
chr11	4.4E+07	4.4E+07	*	3.156E-85	1.408E-84	0.16638	chr11_44316801_443170(	sig	hyper
chr11	4.5E+07	4.5E+07	*	6.874E-38	1.499E-37	0.176236	chr11_44957001_449572(	sig	hyper
chr11	4.5E+07	4.5E+07	*	3.277E-73	1.231E-72	0.194004	chr11_45145801_451460(	sig	hyper
chr11	4.5E+07	4.5E+07	*	1.393E-25	2.375E-25	0.121244	chr11_45209201_452094(	sig	hyper
chr11	4.5E+07	4.5E+07	*	2.27E-170	3.18E-169	0.291891	chr11_45209601_452098(	sig	hyper
chr11	4.5E+07	4.5E+07	*	4.06E-210	9.69E-209	0.27926	chr11_45355401_453556(	sig	hyper
chr11	4.6E+07	4.6E+07	*	1.877E-19	2.753E-19	-0.10384	chr11_45649801_456500(	sig	hypo
chr11	4.6E+07	4.6E+07	*	1.823E-47	4.671E-47	-0.15402	chr11_45650601_456508(	sig	hypo
chr11	4.6E+07	4.6E+07	*	7.84E-134	6.68E-133	-0.25992	chr11_45930201_459304(	sig	hypo
chr11	4.6E+07	4.6E+07	*	4.8E-133	4.04E-132	0.324945	chr11_46295801_462960(	sig	hyper
chr11	4.6E+07	4.6E+07	*	3.842E-33	7.656E-33	0.171893	chr11_46332401_463326(	sig	hyper
chr11	4.6E+07	4.6E+07	*	1.18E-103	6.7E-103	0.259848	chr11_46361401_463616(	sig	hyper
chr11	4.6E+07	4.6E+07	*	5.442E-31	1.038E-30	0.139993	chr11_46369401_463696(	sig	hyper
chr11	4.6E+07	4.6E+07	*	4.054E-32	7.906E-32	0.103765	chr11_46393001_463932(	sig	hyper
chr11	4.7E+07	4.7E+07	*	9.439E-59	2.885E-58	0.1172	chr11_47187601_471878(	sig	hyper
chr11	4.7E+07	4.7E+07	*	0	0	-0.54016	chr11_47337401_473376(	sig	hypo
chr11	4.7E+07	4.7E+07	*	9.84E-191	1.82E-189	-0.3756	chr11_47337601_473378(	sig	hypo
chr11	4.7E+07	4.7E+07	*	6.615E-23	1.059E-22	-0.15994	chr11_47394801_473950(	sig	hypo
chr11	4.7E+07	4.7E+07	*	9.173E-54	2.597E-53	0.140016	chr11_47409201_474094(	sig	hyper
chr11	4.8E+07	4.8E+07	*	2.351E-62	7.587E-62	0.174665	chr11_47980001_479802(	sig	hyper
chr11	4.9E+07	4.9E+07	*	7.971E-50	2.119E-49	0.20812	chr11_49048801_490490(	sig	hyper
chr11	4.9E+07	4.9E+07	*	3.988E-29	7.323E-29	-0.10789	chr11_49433601_494338(	sig	hypo
chr11	5E+07	5E+07	*	5.604E-15	7.258E-15	0.123635	chr11_49892401_498926(	sig	hyper
chr11	5E+07	5E+07	*	1.529E-40	3.487E-40	-0.1342	chr11_50278801_502790(	sig	hypo
chr11	5E+07	5E+07	*	4.177E-21	6.392E-21	0.109462	chr11_50298401_502986(	sig	hyper
chr11	5.6E+07	5.6E+07	*	4.778E-44	1.155E-43	0.16745	chr11_55872601_558728(	sig	hyper
chr11	5.7E+07	5.7E+07	*	5.209E-30	9.74E-30	-0.19713	chr11_57424801_574250(	sig	hypo
chr11	5.7E+07	5.7E+07	*	1.531E-72	5.697E-72	0.117606	chr11_57427001_574272(	sig	hyper
chr11	5.7E+07	5.7E+07	*	1.726E-45	4.27E-45	0.145476	chr11_57464801_574650(	sig	hyper
chr11	5.7E+07	5.7E+07	*	1.223E-69	4.375E-69	0.162195	chr11_57465001_574652(	sig	hyper
chr11	5.7E+07	5.7E+07	*	6E-74	2.282E-73	0.153218	chr11_57467801_574680(	sig	hyper
chr11	5.7E+07	5.7E+07	*	4.566E-09	4.745E-09	-0.10577	chr11_57477601_574778(	sig	hypo
chr11	5.8E+07	5.8E+07	*	1.942E-45	4.8E-45	0.17725	chr11_57597401_575976(	sig	hyper
chr11	5.8E+07	5.8E+07	*	2.804E-34	5.715E-34	0.125171	chr11_57598401_575986(	sig	hyper
chr11	5.8E+07	5.8E+07	*	0	0	0.293018	chr11_57647001_576472(	sig	hyper
chr11	5.9E+07	5.9E+07	*	6.144E-24	1.008E-23	0.137073	chr11_58830601_588308(	sig	hyper
chr11	5.9E+07	5.9E+07	*	3.753E-38	8.219E-38	0.113539	chr11_58905401_589056(	sig	hyper
chr11	5.9E+07	5.9E+07	*	2.883E-59	8.877E-59	0.100352	chr11_58906001_589062(	sig	hyper
chr11	5.9E+07	5.9E+07	*	1.644E-72	6.116E-72	0.234628	chr11_58964001_589642(	sig	hyper
chr11	5.9E+07	5.9E+07	*	7.984E-23	1.275E-22	0.133674	chr11_58968601_589688(	sig	hyper
chr11	5.9E+07	5.9E+07	*	1.371E-40	3.131E-40	0.158339	chr11_59062601_590628(	sig	hyper
chr11	5.9E+07	5.9E+07	*	2.878E-18	4.086E-18	0.142956	chr11_59063001_590632(	sig	hyper
chr11	6E+07	6E+07	*	2.78E-176	4.2E-175	0.205139	chr11_59555801_595560(	sig	hyper
chr11	6E+07	6E+07	*	3.894E-22	6.111E-22	-0.11828	chr11_59809801_598100(	sig	hypo
chr11	6.1E+07	6.1E+07	*	1.99E-104	1.14E-103	-0.20402	chr11_60757001_607572(	sig	hypo
chr11	6.1E+07	6.1E+07	*	2.441E-25	4.135E-25	0.111302	chr11_60852801_608530(	sig	hyper
chr11	6.1E+07	6.1E+07	*	1.235E-13	1.532E-13	0.106269	chr11_60913001_609132(	sig	hyper
chr11	6.1E+07	6.1E+07	*	4.375E-33	8.701E-33	0.133004	chr11_60951001_609512(	sig	hyper
chr11	6.1E+07	6.1E+07	*	2.65E-92	1.299E-91	0.168527	chr11_60951201_609514(	sig	hyper
chr11	6.1E+07	6.1E+07	*	1.632E-78	6.636E-78	0.229922	chr11_61008601_610088(	sig	hyper
chr11	6.1E+07	6.1E+07	*	4.088E-52	1.125E-51	0.117914	chr11_61295401_612956(	sig	hyper
chr11	6.1E+07	6.1E+07	*	2.86E-111	1.82E-110	-0.26529	chr11_61334401_613346(	sig	hypo
chr11	6.1E+07	6.1E+07	*	9.147E-32	1.771E-31	-0.13245	chr11_61392001_613922(	sig	hypo
chr11	6.1E+07	6.1E+07	*	1.25E-74	4.8E-74	0.226948	chr11_61446001_614462(	sig	hyper
chr11	6.2E+07	6.2E+07	*	3.294E-27	5.826E-27	0.135992	chr11_61516801_615170(	sig	hyper

chr11	6.2E+07	6.2E+07	*	1.62E-110	1.02E-109	-0.27223	chr11_61534601_615348(	sig	hypo
chr11	6.2E+07	6.2E+07	*	1.157E-40	2.644E-40	-0.18548	chr11_61681401_616816(	sig	hypo
chr11	6.2E+07	6.2E+07	*	1.411E-49	3.74E-49	0.228967	chr11_61773401_617736(	sig	hyper
chr11	6.2E+07	6.2E+07	*	4.573E-70	1.648E-69	0.125698	chr11_61815001_618152(	sig	hyper
chr11	6.2E+07	6.2E+07	*	5.33E-107	3.19E-106	0.121962	chr11_61815201_618154(	sig	hyper
chr11	6.2E+07	6.2E+07	*	7.87E-130	6.34E-129	0.178946	chr11_61827401_618276(	sig	hyper
chr11	6.2E+07	6.2E+07	*	3.02E-108	1.84E-107	0.117958	chr11_61828401_618286(	sig	hyper
chr11	6.2E+07	6.2E+07	*	1.343E-92	6.603E-92	0.180433	chr11_61829201_618294(	sig	hyper
chr11	6.2E+07	6.2E+07	*	8.859E-49	2.319E-48	0.174699	chr11_61955601_619558(	sig	hyper
chr11	6.2E+07	6.2E+07	*	8.257E-22	1.286E-21	-0.12803	chr11_62371001_623712(	sig	hypo
chr11	6.2E+07	6.2E+07	*	1.559E-36	3.318E-36	0.106021	chr11_62444401_624446(	sig	hyper
chr11	6.3E+07	6.3E+07	*	1.246E-94	6.325E-94	0.21582	chr11_62547401_625476(	sig	hyper
chr11	6.3E+07	6.3E+07	*	1.02E-69	3.655E-69	0.355182	chr11_62688201_626884(	sig	hyper
chr11	6.3E+07	6.3E+07	*	3.268E-88	1.521E-87	0.143366	chr11_62923601_629238(	sig	hyper
chr11	6.3E+07	6.3E+07	*	2.52E-58	7.648E-58	0.176291	chr11_62926601_629268(	sig	hyper
chr11	6.4E+07	6.4E+07	*	2.719E-22	4.284E-22	-0.17694	chr11_63554001_635542(	sig	hypo
chr11	6.4E+07	6.4E+07	*	1.005E-22	1.602E-22	0.17944	chr11_63763401_637636(	sig	hyper
chr11	6.4E+07	6.4E+07	*	9.356E-45	2.29E-44	-0.2004	chr11_63838201_638384(	sig	hypo
chr11	6.4E+07	6.4E+07	*	1.505E-36	3.205E-36	0.114529	chr11_63908801_639090(	sig	hyper
chr11	6.4E+07	6.4E+07	*	7.774E-14	9.707E-14	0.136339	chr11_63909201_639094(	sig	hyper
chr11	6.4E+07	6.4E+07	*	1.97E-25	3.345E-25	0.130557	chr11_63987201_639874(	sig	hyper
chr11	6.4E+07	6.4E+07	*	1.468E-18	2.103E-18	0.113968	chr11_64001201_640014(	sig	hyper
chr11	6.4E+07	6.4E+07	*	8.355E-18	1.172E-17	-0.12827	chr11_64009001_640092(	sig	hypo
chr11	6.4E+07	6.4E+07	*	3.184E-24	5.257E-24	0.105246	chr11_64060601_640608(	sig	hyper
chr11	6.4E+07	6.4E+07	*	2.47E-173	3.6E-172	0.350316	chr11_64061201_640614(	sig	hyper
chr11	6.4E+07	6.4E+07	*	6.857E-17	9.37E-17	0.119064	chr11_64138401_641386(	sig	hyper
chr11	6.4E+07	6.4E+07	*	7.425E-13	8.973E-13	-0.12879	chr11_64206601_642068(	sig	hypo
chr11	6.4E+07	6.4E+07	*	1.001E-24	1.673E-24	-0.17472	chr11_64207201_642074(	sig	hypo
chr11	6.4E+07	6.4E+07	*	6.882E-48	1.774E-47	-0.12911	chr11_64207401_642076(	sig	hypo
chr11	6.4E+07	6.4E+07	*	7.159E-57	2.13E-56	0.166534	chr11_64291201_642914(	sig	hyper
chr11	6.4E+07	6.4E+07	*	1.573E-41	3.65E-41	0.148534	chr11_64297201_642974(	sig	hyper
chr11	6.4E+07	6.4E+07	*	1.914E-23	3.104E-23	-0.15259	chr11_64340001_643402(	sig	hypo
chr11	6.4E+07	6.4E+07	*	2.427E-38	5.33E-38	0.177013	chr11_64341201_643414(	sig	hyper
chr11	6.4E+07	6.4E+07	*	4.115E-57	1.229E-56	0.151791	chr11_64341401_643416(	sig	hyper
chr11	6.5E+07	6.5E+07	*	7.244E-33	1.435E-32	-0.2341	chr11_64566601_645668(	sig	hypo
chr11	6.5E+07	6.5E+07	*	4.603E-35	9.524E-35	0.126085	chr11_64568001_645682(	sig	hyper
chr11	6.5E+07	6.5E+07	*	3.888E-12	4.573E-12	0.121174	chr11_64608201_646084(	sig	hyper
chr11	6.5E+07	6.5E+07	*	1.243E-60	3.911E-60	0.216059	chr11_64630401_646306(	sig	hyper
chr11	6.5E+07	6.5E+07	*	1.107E-11	1.281E-11	0.145566	chr11_64711801_647120(	sig	hyper
chr11	6.5E+07	6.5E+07	*	3.771E-61	1.193E-60	0.227544	chr11_64712001_647122(	sig	hyper
chr11	6.5E+07	6.5E+07	*	9.849E-46	2.445E-45	-0.15908	chr11_64742001_647422(	sig	hypo
chr11	6.5E+07	6.5E+07	*	1.41E-43	3.382E-43	0.111418	chr11_64745401_647456(	sig	hyper
chr11	6.5E+07	6.5E+07	*	4.277E-96	2.221E-95	0.12539	chr11_64745601_647458(	sig	hyper
chr11	6.5E+07	6.5E+07	*	2.29E-19	3.352E-19	0.152441	chr11_64746201_647464(	sig	hyper
chr11	6.5E+07	6.5E+07	*	6.78E-243	2.5E-241	0.361797	chr11_64759601_647598(	sig	hyper
chr11	6.5E+07	6.5E+07	*	2.507E-53	7.044E-53	0.184939	chr11_64759801_647600(	sig	hyper
chr11	6.5E+07	6.5E+07	*	3.252E-17	4.481E-17	0.101493	chr11_64850001_648502(	sig	hyper
chr11	6.5E+07	6.5E+07	*	3.789E-51	1.026E-50	-0.11196	chr11_64860001_648602(	sig	hypo
chr11	6.5E+07	6.5E+07	*	2.201E-70	7.965E-70	-0.20396	chr11_64891201_648914(	sig	hypo
chr11	6.5E+07	6.5E+07	*	2.282E-94	1.155E-93	-0.18652	chr11_64891401_648916(	sig	hypo
chr11	6.5E+07	6.5E+07	*	2.668E-53	7.496E-53	0.163345	chr11_64936001_649362(	sig	hyper
chr11	6.5E+07	6.5E+07	*	9.65E-101	5.29E-100	0.184067	chr11_64971801_649720(	sig	hyper
chr11	6.5E+07	6.5E+07	*	6.98E-226	2.02E-224	0.272705	chr11_64972001_649722(	sig	hyper
chr11	6.5E+07	6.5E+07	*	7.62E-128	6E-127	0.2847	chr11_64972201_649724(	sig	hyper
chr11	6.5E+07	6.5E+07	*	8.714E-72	3.215E-71	0.330502	chr11_65047401_650476(	sig	hyper
chr11	6.5E+07	6.5E+07	*	6.18E-150	6.58E-149	0.304844	chr11_65047601_650478(	sig	hyper

chr11	6.5E+07	6.5E+07	*	3.06E-113	2E-112	0.244724	chr11_65048201_650484(	sig	hyper
chr11	6.5E+07	6.5E+07	*	2.129E-55	6.191E-55	0.206037	chr11_65184401_651846(	sig	hyper
chr11	6.5E+07	6.5E+07	*	3.807E-11	4.317E-11	0.120834	chr11_65211601_652118(	sig	hyper
chr11	6.5E+07	6.5E+07	*	2.435E-34	4.972E-34	0.140656	chr11_65354001_653542(	sig	hyper
chr11	6.5E+07	6.5E+07	*	0	0	0.41867	chr11_65355801_653560(	sig	hyper
chr11	6.5E+07	6.5E+07	*	0	0	0.408016	chr11_65356001_653562(	sig	hyper
chr11	6.5E+07	6.5E+07	*	4.379E-34	8.886E-34	0.193283	chr11_65418201_654184(	sig	hyper
chr11	6.5E+07	6.5E+07	*	2.709E-81	1.143E-80	0.185514	chr11_65478801_654790(	sig	hyper
chr11	6.5E+07	6.5E+07	*	8.296E-50	2.205E-49	0.157665	chr11_65479001_654792(	sig	hyper
chr11	6.6E+07	6.6E+07	*	2.08E-261	9.54E-260	-0.26483	chr11_65546401_655466(	sig	hypo
chr11	6.6E+07	6.6E+07	*	2.063E-61	6.557E-61	-0.12393	chr11_65546601_655468(	sig	hypo
chr11	6.6E+07	6.6E+07	*	3.09E-241	1.11E-239	0.226989	chr11_65557601_655578(	sig	hyper
chr11	6.6E+07	6.6E+07	*	1.338E-59	4.14E-59	0.140804	chr11_65573401_655736(	sig	hyper
chr11	6.6E+07	6.6E+07	*	3.449E-61	1.092E-60	0.218621	chr11_65584601_655848(	sig	hyper
chr11	6.6E+07	6.6E+07	*	1.246E-52	3.462E-52	0.151488	chr11_65585001_655852(	sig	hyper
chr11	6.6E+07	6.6E+07	*	8.811E-57	2.616E-56	0.255341	chr11_65592601_655928(	sig	hyper
chr11	6.6E+07	6.6E+07	*	5.85E-99	3.137E-98	0.243668	chr11_65592801_655930(	sig	hyper
chr11	6.6E+07	6.6E+07	*	2.223E-45	5.489E-45	0.113608	chr11_65599601_655998(	sig	hyper
chr11	6.6E+07	6.6E+07	*	5.03E-198	1.03E-196	0.197081	chr11_65607401_656076(	sig	hyper
chr11	6.6E+07	6.6E+07	*	4.06E-161	4.99E-160	0.229761	chr11_65607601_656078(	sig	hyper
chr11	6.6E+07	6.6E+07	*	6.951E-61	2.193E-60	-0.22498	chr11_65640801_656410(	sig	hypo
chr11	6.6E+07	6.6E+07	*	2.86E-101	1.58E-100	-0.1731	chr11_65641001_656412(	sig	hypo
chr11	6.6E+07	6.6E+07	*	2.307E-49	6.097E-49	0.26558	chr11_65642201_656424(	sig	hyper
chr11	6.6E+07	6.6E+07	*	3.322E-50	8.884E-50	0.122671	chr11_65642401_656426(	sig	hyper
chr11	6.6E+07	6.6E+07	*	1.853E-18	2.649E-18	0.10076	chr11_65646801_656470(	sig	hyper
chr11	6.6E+07	6.6E+07	*	1.06E-267	5.39E-266	0.323367	chr11_65833201_658334(	sig	hyper
chr11	6.6E+07	6.6E+07	*	5.24E-125	3.97E-124	0.112951	chr11_65833601_658338(	sig	hyper
chr11	6.6E+07	6.6E+07	*	1.015E-90	4.887E-90	-0.27942	chr11_65856001_658562(	sig	hypo
chr11	6.6E+07	6.6E+07	*	5.676E-51	1.533E-50	0.104188	chr11_65867801_658680(	sig	hyper
chr11	6.6E+07	6.6E+07	*	9.159E-15	1.178E-14	-0.11043	chr11_65868401_658686(	sig	hypo
chr11	6.6E+07	6.6E+07	*	9.78E-210	2.32E-208	0.375551	chr11_65872201_658724(	sig	hyper
chr11	6.6E+07	6.6E+07	*	1.669E-26	2.91E-26	-0.10301	chr11_65879001_658792(	sig	hypo
chr11	6.6E+07	6.6E+07	*	6.68E-259	2.98E-257	0.299926	chr11_66049001_660492(	sig	hyper
chr11	6.6E+07	6.6E+07	*	5.883E-14	7.378E-14	0.100665	chr11_66049401_660496(	sig	hyper
chr11	6.6E+07	6.6E+07	*	4.81E-216	1.25E-214	0.249111	chr11_66267201_662674(	sig	hyper
chr11	6.6E+07	6.6E+07	*	9.885E-42	2.302E-41	0.17856	chr11_66316201_663164(	sig	hyper
chr11	6.6E+07	6.6E+07	*	3E-122	2.19E-121	0.319798	chr11_66421201_664214(	sig	hyper
chr11	6.7E+07	6.7E+07	*	2.73E-234	8.9E-233	0.25658	chr11_66543801_665440(	sig	hyper
chr11	6.7E+07	6.7E+07	*	2.93E-303	2.24E-301	0.244955	chr11_66559201_665594(	sig	hyper
chr11	6.7E+07	6.7E+07	*	1.305E-22	2.072E-22	0.108582	chr11_66593601_665938(	sig	hyper
chr11	6.7E+07	6.7E+07	*	2.458E-35	5.115E-35	0.11103	chr11_66676601_666768(	sig	hyper
chr11	6.7E+07	6.7E+07	*	2.633E-73	9.91E-73	0.24531	chr11_66676801_666770(	sig	hyper
chr11	6.7E+07	6.7E+07	*	5.444E-91	2.634E-90	0.22656	chr11_66677001_666772(	sig	hyper
chr11	6.7E+07	6.7E+07	*	4.764E-38	1.041E-37	0.189689	chr11_66714001_667142(	sig	hyper
chr11	6.7E+07	6.7E+07	*	2.93E-44	7.113E-44	-0.21222	chr11_66720401_667206(	sig	hypo
chr11	6.7E+07	6.7E+07	*	2.092E-34	4.277E-34	-0.16	chr11_66857601_668578(	sig	hypo
chr11	6.7E+07	6.7E+07	*	1.033E-34	2.123E-34	-0.13263	chr11_66857801_668580(	sig	hypo
chr11	6.7E+07	6.7E+07	*	1.453E-94	7.368E-94	-0.16664	chr11_66863801_668640(	sig	hypo
chr11	6.7E+07	6.7E+07	*	1.385E-29	2.568E-29	-0.18497	chr11_66864001_668642(	sig	hypo
chr11	6.7E+07	6.7E+07	*	4.022E-59	1.236E-58	-0.1163	chr11_66868801_668690(	sig	hypo
chr11	6.7E+07	6.7E+07	*	4.827E-29	8.85E-29	-0.12579	chr11_66876001_668762(	sig	hypo
chr11	6.7E+07	6.7E+07	*	2.64E-39	5.892E-39	-0.19092	chr11_67270801_672710(	sig	hypo
chr11	6.7E+07	6.7E+07	*	8.053E-96	4.164E-95	0.156971	chr11_67372001_673722(	sig	hyper
chr11	6.7E+07	6.7E+07	*	2.342E-61	7.433E-61	-0.16199	chr11_67409401_674096(	sig	hypo
chr11	6.7E+07	6.7E+07	*	1.911E-26	3.327E-26	-0.13384	chr11_67411801_674120(	sig	hypo
chr11	6.7E+07	6.7E+07	*	1.117E-56	3.313E-56	-0.21993	chr11_67435201_674354(	sig	hypo

chr11	6.7E+07	6.7E+07	*	1.667E-21	2.576E-21	-0.11788	chr11_67437601_674378(	sig	hypo
chr11	6.7E+07	6.7E+07	*	9.371E-19	1.35E-18	-0.10349	chr11_67438401_674386(	sig	hypo
chr11	6.7E+07	6.7E+07	*	2.169E-22	3.427E-22	-0.11143	chr11_67452201_674524(	sig	hypo
chr11	6.7E+07	6.7E+07	*	7.872E-57	2.34E-56	-0.19267	chr11_67452401_674526(	sig	hypo
chr11	6.7E+07	6.7E+07	*	2.074E-70	7.506E-70	-0.2002	chr11_67464401_674646(	sig	hypo
chr11	6.8E+07	6.8E+07	*	4.522E-52	1.243E-51	-0.16606	chr11_67506801_675070(	sig	hypo
chr11	6.8E+07	6.8E+07	*	1.42E-166	1.88E-165	-0.34138	chr11_67573201_675734(	sig	hypo
chr11	6.8E+07	6.8E+07	*	1.865E-28	3.38E-28	0.152785	chr11_67606201_676064(	sig	hyper
chr11	6.8E+07	6.8E+07	*	2.933E-58	8.896E-58	0.190575	chr11_67616001_676162(	sig	hyper
chr11	6.8E+07	6.8E+07	*	0	0	-0.43964	chr11_67646801_676470(	sig	hypo
chr11	6.8E+07	6.8E+07	*	2.286E-88	1.067E-87	-0.16468	chr11_67650401_676506(	sig	hypo
chr11	6.8E+07	6.8E+07	*	1.158E-52	3.218E-52	-0.14084	chr11_67650601_676508(	sig	hypo
chr11	6.8E+07	6.8E+07	*	1.867E-59	5.763E-59	-0.13497	chr11_67665401_676656(	sig	hypo
chr11	6.8E+07	6.8E+07	*	8.372E-23	1.336E-22	0.104367	chr11_67888801_678890(	sig	hyper
chr11	6.8E+07	6.8E+07	*	3.842E-81	1.617E-80	-0.17292	chr11_67978601_679788(	sig	hypo
chr11	6.8E+07	6.8E+07	*	3.015E-68	1.057E-67	-0.21768	chr11_67978801_679790(	sig	hypo
chr11	6.8E+07	6.8E+07	*	4.391E-71	1.606E-70	-0.21579	chr11_67983601_679838(	sig	hypo
chr11	6.8E+07	6.8E+07	*	9.25E-27	1.621E-26	-0.14339	chr11_68215201_682154(	sig	hypo
chr11	6.8E+07	6.8E+07	*	1.4E-130	1.14E-129	0.246199	chr11_68371801_683720(	sig	hyper
chr11	6.8E+07	6.8E+07	*	3.521E-60	1.1E-59	0.194462	chr11_68372201_683724(	sig	hyper
chr11	6.8E+07	6.8E+07	*	6.4E-46	1.594E-45	0.151628	chr11_68413201_684134(	sig	hyper
chr11	6.9E+07	6.9E+07	*	3.635E-57	1.087E-56	0.186561	chr11_68797001_687972(	sig	hyper
chr11	6.9E+07	6.9E+07	*	6.9E-28	1.237E-27	0.121939	chr11_68798201_687984(	sig	hyper
chr11	6.9E+07	6.9E+07	*	7.893E-47	2.001E-46	0.125552	chr11_68812401_688126(	sig	hyper
chr11	6.9E+07	6.9E+07	*	8.622E-34	1.739E-33	-0.15895	chr11_68842801_688430(	sig	hypo
chr11	6.9E+07	6.9E+07	*	2.028E-63	6.661E-63	-0.14223	chr11_68843201_688434(	sig	hypo
chr11	6.9E+07	6.9E+07	*	1.417E-24	2.362E-24	0.117585	chr11_68891201_688914(	sig	hyper
chr11	6.9E+07	6.9E+07	*	1.467E-24	2.444E-24	-0.11434	chr11_68980001_689802(	sig	hypo
chr11	6.9E+07	6.9E+07	*	5.673E-34	1.148E-33	-0.13103	chr11_68994801_689950(	sig	hypo
chr11	6.9E+07	6.9E+07	*	2.97E-129	2.37E-128	0.342802	chr11_69001401_690016(	sig	hyper
chr11	6.9E+07	6.9E+07	*	7.49E-148	7.7E-147	0.194313	chr11_69005601_690058(	sig	hyper
chr11	6.9E+07	6.9E+07	*	2.1E-127	1.64E-126	0.224147	chr11_69014601_690148(	sig	hyper
chr11	6.9E+07	6.9E+07	*	1.82E-63	5.984E-63	0.211266	chr11_69075401_690756(	sig	hyper
chr11	6.9E+07	6.9E+07	*	1.03E-118	7.22E-118	0.353877	chr11_69086201_690864(	sig	hyper
chr11	6.9E+07	6.9E+07	*	8.06E-106	4.73E-105	0.296054	chr11_69086401_690866(	sig	hyper
chr11	6.9E+07	6.9E+07	*	3.129E-57	9.369E-57	0.200083	chr11_69089401_690896(	sig	hyper
chr11	6.9E+07	6.9E+07	*	6.09E-144	5.92E-143	-0.31922	chr11_69099201_690994(	sig	hypo
chr11	6.9E+07	6.9E+07	*	8.102E-98	4.29E-97	-0.29265	chr11_69115801_691160(	sig	hypo
chr11	6.9E+07	6.9E+07	*	2.23E-189	4.04E-188	-0.33588	chr11_69382401_693826(	sig	hypo
chr11	6.9E+07	6.9E+07	*	1.78E-213	4.46E-212	-0.33026	chr11_69449801_694500(	sig	hypo
chr11	6.9E+07	6.9E+07	*	1.038E-36	2.217E-36	-0.14178	chr11_69470801_694710(	sig	hypo
chr11	6.9E+07	6.9E+07	*	8.813E-64	2.911E-63	0.147226	chr11_69471401_694716(	sig	hyper
chr11	6.9E+07	6.9E+07	*	4.498E-26	7.763E-26	0.151162	chr11_69471601_694718(	sig	hyper
chr11	7E+07	7E+07	*	7.708E-43	1.827E-42	0.203416	chr11_69643801_696440(	sig	hyper
chr11	7E+07	7E+07	*	5.96E-208	1.38E-206	-0.2296	chr11_69654201_696544(	sig	hypo
chr11	7E+07	7E+07	*	4.767E-56	1.4E-55	-0.25105	chr11_69654801_696550(	sig	hypo
chr11	7E+07	7E+07	*	4.116E-79	1.689E-78	-0.21512	chr11_69655001_696552(	sig	hypo
chr11	7E+07	7E+07	*	5.716E-18	8.054E-18	-0.13849	chr11_69700801_697010(	sig	hypo
chr11	7E+07	7E+07	*	5.812E-25	9.766E-25	0.120202	chr11_69774001_697742(	sig	hyper
chr11	7E+07	7E+07	*	2.45E-266	1.21E-264	0.250861	chr11_69817201_698174(	sig	hyper
chr11	7E+07	7E+07	*	5.797E-39	1.287E-38	0.119125	chr11_69817801_698180(	sig	hyper
chr11	7E+07	7E+07	*	2.74E-299	2E-297	0.329888	chr11_69818801_698190(	sig	hyper
chr11	7E+07	7E+07	*	0	0	0.286533	chr11_69819601_698198(	sig	hyper
chr11	7E+07	7E+07	*	1.96E-112	1.27E-111	0.271623	chr11_69819801_698200(	sig	hyper
chr11	7E+07	7E+07	*	8.13E-133	6.82E-132	-0.3113	chr11_69867801_698680(	sig	hypo
chr11	7E+07	7E+07	*	5.239E-53	1.464E-52	-0.20998	chr11_69891401_698916(	sig	hypo

chr11	7E+07	7E+07	*	7.116E-90	3.388E-89	-0.23387	chr11_69891601_698918(	sig	hypo
chr11	7E+07	7E+07	*	5.26E-57	1.567E-56	-0.23753	chr11_69948601_699488(	sig	hypo
chr11	7E+07	7E+07	*	3.931E-30	7.372E-30	-0.14168	chr11_70103201_701034(	sig	hypo
chr11	7E+07	7E+07	*	5.582E-40	1.261E-39	0.176964	chr11_70141201_701414(	sig	hyper
chr11	7E+07	7E+07	*	7.48E-44	1.803E-43	-0.18722	chr11_70177401_701776(	sig	hypo
chr11	7E+07	7E+07	*	2.538E-28	4.584E-28	0.116435	chr11_70202601_702028(	sig	hyper
chr11	7E+07	7E+07	*	8.017E-32	1.554E-31	-0.16396	chr11_70365201_703654(	sig	hypo
chr11	7E+07	7E+07	*	4.071E-55	1.177E-54	-0.14351	chr11_70365401_703656(	sig	hypo
chr11	7E+07	7E+07	*	1.753E-77	7.021E-77	0.127888	chr11_70410401_704106(	sig	hyper
chr11	7.1E+07	7.1E+07	*	4.098E-46	1.024E-45	-0.17151	chr11_70587001_705872(	sig	hypo
chr11	7.1E+07	7.1E+07	*	1.823E-24	3.028E-24	0.108226	chr11_70609001_706092(	sig	hyper
chr11	7.1E+07	7.1E+07	*	7.829E-56	2.293E-55	0.212091	chr11_70661601_706618(	sig	hyper
chr11	7.1E+07	7.1E+07	*	1.02E-191	1.92E-190	0.270756	chr11_70662001_706622(	sig	hyper
chr11	7.1E+07	7.1E+07	*	1.448E-41	3.363E-41	0.139682	chr11_70671201_706714(	sig	hyper
chr11	7.1E+07	7.1E+07	*	1.212E-47	3.115E-47	0.167484	chr11_70718201_707184(	sig	hyper
chr11	7.1E+07	7.1E+07	*	2.044E-38	4.496E-38	0.176324	chr11_70826201_708264(	sig	hyper
chr11	7.1E+07	7.1E+07	*	8.58E-123	6.31E-122	0.262548	chr11_70826601_708268(	sig	hyper
chr11	7.1E+07	7.1E+07	*	4.42E-150	4.73E-149	0.234025	chr11_70826801_708270(	sig	hyper
chr11	7.1E+07	7.1E+07	*	1.19E-164	1.54E-163	0.308723	chr11_71206201_712064(	sig	hyper
chr11	7.1E+07	7.1E+07	*	0	0	0.392688	chr11_71206401_712066(	sig	hyper
chr11	7.1E+07	7.1E+07	*	3.663E-19	5.335E-19	-0.10562	chr11_71250601_712508(	sig	hypo
chr11	7.1E+07	7.1E+07	*	1.738E-23	2.82E-23	0.108356	chr11_71456401_714566(	sig	hyper
chr11	7.2E+07	7.2E+07	*	4.24E-191	7.88E-190	-0.26422	chr11_71615401_716156(	sig	hypo
chr11	7.2E+07	7.2E+07	*	0	0	0.322496	chr11_72013201_720134(	sig	hyper
chr11	7.2E+07	7.2E+07	*	3.29E-103	1.86E-102	0.259776	chr11_72013401_720136(	sig	hyper
chr11	7.2E+07	7.2E+07	*	8.636E-82	3.671E-81	0.259964	chr11_72013601_720138(	sig	hyper
chr11	7.2E+07	7.2E+07	*	4.814E-23	7.739E-23	0.119268	chr11_72014201_720144(	sig	hyper
chr11	7.2E+07	7.2E+07	*	9.296E-44	2.238E-43	0.18485	chr11_72241001_722412(	sig	hyper
chr11	7.2E+07	7.2E+07	*	3.02E-118	2.1E-117	0.274508	chr11_72244001_722442(	sig	hyper
chr11	7.2E+07	7.2E+07	*	2.77E-136	2.42E-135	0.306679	chr11_72244401_722446(	sig	hyper
chr11	7.3E+07	7.3E+07	*	8.535E-26	1.463E-25	0.117657	chr11_72625801_726260(	sig	hyper
chr11	7.3E+07	7.3E+07	*	3.016E-32	5.897E-32	-0.14267	chr11_72639401_726396(	sig	hypo
chr11	7.3E+07	7.3E+07	*	1.947E-18	2.781E-18	0.101512	chr11_72697001_726972(	sig	hyper
chr11	7.3E+07	7.3E+07	*	2.133E-36	4.53E-36	-0.15583	chr11_72781001_727812(	sig	hypo
chr11	7.3E+07	7.3E+07	*	4.842E-25	8.147E-25	0.210867	chr11_72822401_728226(	sig	hyper
chr11	7.3E+07	7.3E+07	*	1.08E-136	9.52E-136	0.304475	chr11_73310001_733102(	sig	hyper
chr11	7.3E+07	7.3E+07	*	2.18E-86	9.885E-86	0.178703	chr11_73342601_733428(	sig	hyper
chr11	7.3E+07	7.3E+07	*	1.592E-23	2.587E-23	-0.15123	chr11_73362001_733622(	sig	hypo
chr11	7.4E+07	7.4E+07	*	2.446E-24	4.046E-24	-0.15103	chr11_73651801_736520(	sig	hypo
chr11	7.4E+07	7.4E+07	*	6.109E-17	8.357E-17	0.147512	chr11_73660801_736610(	sig	hyper
chr11	7.4E+07	7.4E+07	*	2.458E-18	3.499E-18	0.109744	chr11_73661401_736616(	sig	hyper
chr11	7.4E+07	7.4E+07	*	4.551E-25	7.663E-25	0.164086	chr11_74311801_743120(	sig	hyper
chr11	7.5E+07	7.5E+07	*	1.51E-152	1.66E-151	0.169648	chr11_74731401_747316(	sig	hyper
chr11	7.5E+07	7.5E+07	*	8.617E-23	1.375E-22	0.130618	chr11_74731801_747320(	sig	hyper
chr11	7.5E+07	7.5E+07	*	6.62E-122	4.81E-121	0.185037	chr11_75428401_754286(	sig	hyper
chr11	7.5E+07	7.5E+07	*	9.808E-74	3.716E-73	0.206913	chr11_75428601_754288(	sig	hyper
chr11	7.5E+07	7.5E+07	*	1.942E-38	4.274E-38	0.143248	chr11_75429601_754298(	sig	hyper
chr11	7.6E+07	7.6E+07	*	9.234E-26	1.582E-25	0.117039	chr11_75526601_755268(	sig	hyper
chr11	7.6E+07	7.6E+07	*	3.056E-92	1.496E-91	0.262909	chr11_75584001_755842(	sig	hyper
chr11	7.6E+07	7.6E+07	*	1.914E-47	4.9E-47	0.125269	chr11_76211001_762112(	sig	hyper
chr11	7.7E+07	7.7E+07	*	4.667E-38	1.02E-37	-0.12337	chr11_76660801_766610(	sig	hypo
chr11	7.7E+07	7.7E+07	*	8.032E-69	2.842E-68	-0.29152	chr11_77039201_770394(	sig	hypo
chr11	7.7E+07	7.7E+07	*	3.209E-42	7.53E-42	0.210545	chr11_77138001_771382(	sig	hyper
chr11	7.8E+07	7.8E+07	*	9.321E-42	2.172E-41	0.213616	chr11_78196201_781964(	sig	hyper
chr11	7.8E+07	7.8E+07	*	6.669E-17	9.116E-17	-0.11405	chr11_78420801_784210(	sig	hypo
chr11	7.9E+07	7.9E+07	*	1.877E-83	8.167E-83	0.323974	chr11_78962001_789622(	sig	hyper

chr11	7.9E+07	7.9E+07	*	5.355E-54	1.522E-53	0.188811	chr11_79438201_794384(	sig	hyper
chr11	7.9E+07	7.9E+07	*	6.2E-194	1.19E-192	0.224828	chr11_79438801_794390(	sig	hyper
chr11	7.9E+07	7.9E+07	*	2.87E-102	1.61E-101	0.231983	chr11_79439001_794392(	sig	hyper
chr11	7.9E+07	7.9E+07	*	3.93E-121	2.83E-120	0.123792	chr11_79441001_794412(	sig	hyper
chr11	8.3E+07	8.3E+07	*	1.536E-23	2.497E-23	0.125498	chr11_82734001_827342(	sig	hyper
chr11	8.6E+07	8.6E+07	*	7.77E-160	9.39E-159	0.305819	chr11_85934601_859348(	sig	hyper
chr11	8.6E+07	8.6E+07	*	1.152E-53	3.255E-53	0.22161	chr11_85934801_859350(	sig	hyper
chr11	8.6E+07	8.6E+07	*	1.03E-108	6.3E-108	-0.19199	chr11_86195201_861954(	sig	hypo
chr11	8.6E+07	8.6E+07	*	2.208E-46	5.556E-46	0.134959	chr11_86431201_864314(	sig	hyper
chr11	8.6E+07	8.6E+07	*	5.9E-125	4.46E-124	0.119336	chr11_86431401_864316(	sig	hyper
chr11	8.9E+07	8.9E+07	*	9.322E-16	1.235E-15	-0.12371	chr11_88508401_885086(	sig	hypo
chr11	9E+07	9E+07	*	1.78E-219	4.82E-218	0.240816	chr11_90134601_901348(	sig	hyper
chr11	9.2E+07	9.2E+07	*	5.425E-95	2.771E-94	0.168291	chr11_92224201_922244(	sig	hyper
chr11	9.2E+07	9.2E+07	*	2.45E-112	1.58E-111	0.247468	chr11_92224401_922246(	sig	hyper
chr11	9.2E+07	9.2E+07	*	1.55E-116	1.06E-115	0.301223	chr11_92225201_922254(	sig	hyper
chr11	9.2E+07	9.2E+07	*	1.128E-52	3.135E-52	0.246826	chr11_92225601_922258(	sig	hyper
chr11	9.2E+07	9.2E+07	*	4.05E-114	2.68E-113	0.275964	chr11_92225801_922260(	sig	hyper
chr11	9.3E+07	9.3E+07	*	9.409E-36	1.97E-35	0.100567	chr11_92866801_928670(	sig	hyper
chr11	9.3E+07	9.3E+07	*	4.683E-14	5.892E-14	0.106509	chr11_92969201_929694(	sig	hyper
chr11	9.3E+07	9.3E+07	*	9.482E-81	3.972E-80	0.25069	chr11_92969401_929696(	sig	hyper
chr11	9.3E+07	9.3E+07	*	7.905E-36	1.657E-35	0.150977	chr11_93330401_933306(	sig	hyper
chr11	9.4E+07	9.4E+07	*	2.823E-73	1.062E-72	0.289112	chr11_94401001_944012(	sig	hyper
chr11	9.4E+07	9.4E+07	*	1.08E-198	2.23E-197	0.304065	chr11_94401401_944016(	sig	hyper
chr11	9.4E+07	9.4E+07	*	7.525E-66	2.557E-65	0.273063	chr11_94401801_944020(	sig	hyper
chr11	9.5E+07	9.5E+07	*	4.93E-129	3.93E-128	-0.22989	chr11_94545401_945456(	sig	hypo
chr11	9.5E+07	9.5E+07	*	2.203E-88	1.028E-87	-0.25267	chr11_94545601_945458(	sig	hypo
chr11	9.5E+07	9.5E+07	*	1.518E-73	5.729E-73	0.194126	chr11_94740601_947408(	sig	hyper
chr11	9.5E+07	9.5E+07	*	5.208E-58	1.575E-57	0.120464	chr11_94768201_947684(	sig	hyper
chr11	9.5E+07	9.5E+07	*	1.87E-184	3.16E-183	0.174524	chr11_94768401_947686(	sig	hyper
chr11	9.5E+07	9.5E+07	*	0	0	0.291423	chr11_94769201_947694(	sig	hyper
chr11	9.5E+07	9.5E+07	*	0	0	0.371	chr11_94769601_947698(	sig	hyper
chr11	9.5E+07	9.5E+07	*	1.308E-43	3.14E-43	0.232354	chr11_95037801_950380(	sig	hyper
chr11	9.5E+07	9.5E+07	*	5.87E-150	6.26E-149	-0.32512	chr11_95150201_951504(	sig	hypo
chr11	9.5E+07	9.5E+07	*	8.015E-87	3.653E-86	-0.16844	chr11_95150801_951510(	sig	hypo
chr11	9.9E+07	9.9E+07	*	1.273E-86	5.788E-86	0.159142	chr11_99021001_990212(	sig	hyper
chr11	1E+08	1E+08	*	1.296E-62	4.196E-62	0.1774	chr11_101127001_10112	sig	hyper
chr11	1E+08	1E+08	*	1.33E-114	8.86E-114	0.335139	chr11_101583801_10158	sig	hyper
chr11	1E+08	1E+08	*	2.839E-57	8.507E-57	0.176341	chr11_102767801_10276	sig	hyper
chr11	1E+08	1E+08	*	5.877E-71	2.144E-70	0.233806	chr11_102768001_10276	sig	hyper
chr11	1E+08	1E+08	*	9.32E-101	5.11E-100	0.141559	chr11_103109601_10310	sig	hyper
chr11	1E+08	1E+08	*	1.838E-67	6.382E-67	0.226553	chr11_104163401_10416	sig	hyper
chr11	1E+08	1E+08	*	5.375E-84	2.355E-83	0.182956	chr11_104163801_10416	sig	hyper
chr11	1E+08	1E+08	*	3.441E-71	1.261E-70	-0.19325	chr11_104164801_10416	sig	hypo
chr11	1.1E+08	1.1E+08	*	2.23E-99	1.202E-98	0.244632	chr11_105610401_10561(	sig	hyper
chr11	1.1E+08	1.1E+08	*	6.62E-237	2.22E-235	0.258624	chr11_105610601_10561(	sig	hyper
chr11	1.1E+08	1.1E+08	*	1.887E-93	9.406E-93	0.170328	chr11_107019401_10701	sig	hyper
chr11	1.1E+08	1.1E+08	*	1.189E-31	2.298E-31	0.119657	chr11_107590201_10759(	sig	hyper
chr11	1.1E+08	1.1E+08	*	6.844E-42	1.598E-41	0.172987	chr11_107592001_10759	sig	hyper
chr11	1.1E+08	1.1E+08	*	7.56E-170	1.05E-168	0.250826	chr11_107929201_10792	sig	hyper
chr11	1.1E+08	1.1E+08	*	1.669E-30	3.152E-30	0.143201	chr11_108499201_10849	sig	hyper
chr11	1.1E+08	1.1E+08	*	2.63E-147	2.68E-146	0.23676	chr11_109423401_10942	sig	hyper
chr11	1.1E+08	1.1E+08	*	6.046E-71	2.206E-70	0.108776	chr11_110296801_11029	sig	hyper
chr11	1.1E+08	1.1E+08	*	8.59E-149	8.97E-148	0.158043	chr11_110711001_11071	sig	hyper
chr11	1.1E+08	1.1E+08	*	7.6E-155	8.59E-154	0.309763	chr11_110712801_11071	sig	hyper
chr11	1.1E+08	1.1E+08	*	3.62E-135	3.13E-134	-0.23686	chr11_111284001_11128	sig	hypo
chr11	1.1E+08	1.1E+08	*	1.64E-125	1.25E-124	-0.21627	chr11_111284201_11128	sig	hypo

chr11	1.1E+08	1.1E+08	*	8.599E-23	1.372E-22	0.133465	chr11_111298401_11129	sig	hyper
chr11	1.1E+08	1.1E+08	*	2.392E-74	9.153E-74	0.139737	chr11_111298601_11129	sig	hyper
chr11	1.1E+08	1.1E+08	*	5.751E-10	6.217E-10	0.126897	chr11_111379201_11137	sig	hyper
chr11	1.1E+08	1.1E+08	*	2.08E-171	2.96E-170	0.212864	chr11_111513001_11151	sig	hyper
chr11	1.1E+08	1.1E+08	*	4.67E-56	1.372E-55	0.149028	chr11_111514801_11151	sig	hyper
chr11	1.1E+08	1.1E+08	*	0	2.25E-307	0.38489	chr11_111540201_11154	sig	hyper
chr11	1.1E+08	1.1E+08	*	6.97E-117	4.76E-116	0.299995	chr11_111912801_11191	sig	hyper
chr11	1.1E+08	1.1E+08	*	2.4E-33	4.801E-33	0.100565	chr11_111913601_11191	sig	hyper
chr11	1.1E+08	1.1E+08	*	2.11E-187	3.73E-186	0.377299	chr11_111976801_11197	sig	hyper
chr11	1.1E+08	1.1E+08	*	5.897E-94	2.961E-93	-0.27994	chr11_112499801_11250	sig	hypo
chr11	1.1E+08	1.1E+08	*	1.132E-52	3.148E-52	0.144375	chr11_112961801_11296	sig	hyper
chr11	1.1E+08	1.1E+08	*	2.649E-74	1.012E-73	0.175865	chr11_112962201_11296	sig	hyper
chr11	1.1E+08	1.1E+08	*	2.024E-39	4.526E-39	-0.23266	chr11_113275001_11327	sig	hypo
chr11	1.1E+08	1.1E+08	*	1.084E-36	2.314E-36	0.132898	chr11_114036401_11403	sig	hyper
chr11	1.1E+08	1.1E+08	*	3.778E-55	1.093E-54	-0.16028	chr11_114076201_11407	sig	hypo
chr11	1.2E+08	1.2E+08	*	1.045E-16	1.422E-16	0.136278	chr11_115645801_11564	sig	hyper
chr11	1.2E+08	1.2E+08	*	2.78E-126	2.15E-125	0.172486	chr11_115660201_11566	sig	hyper
chr11	1.2E+08	1.2E+08	*	3.741E-48	9.69E-48	-0.14323	chr11_115711001_11571	sig	hypo
chr11	1.2E+08	1.2E+08	*	3.662E-24	6.038E-24	0.140488	chr11_115990201_11599	sig	hyper
chr11	1.2E+08	1.2E+08	*	8.401E-32	1.627E-31	0.183432	chr11_116357801_11635	sig	hyper
chr11	1.2E+08	1.2E+08	*	1.794E-61	5.708E-61	0.159399	chr11_116581001_11658	sig	hyper
chr11	1.2E+08	1.2E+08	*	4.475E-22	7.012E-22	0.125175	chr11_116835601_11683	sig	hyper
chr11	1.2E+08	1.2E+08	*	4.395E-38	9.617E-38	0.124525	chr11_117181401_11718	sig	hyper
chr11	1.2E+08	1.2E+08	*	6.33E-22	9.892E-22	0.136209	chr11_117795801_11779	sig	hyper
chr11	1.2E+08	1.2E+08	*	9.675E-18	1.355E-17	-0.10563	chr11_117800201_11780	sig	hypo
chr11	1.2E+08	1.2E+08	*	5.758E-73	2.156E-72	-0.24971	chr11_117810201_11781	sig	hypo
chr11	1.2E+08	1.2E+08	*	2.52E-143	2.42E-142	0.189723	chr11_117875601_11787	sig	hyper
chr11	1.2E+08	1.2E+08	*	1.561E-43	3.741E-43	0.105025	chr11_117876801_11787	sig	hyper
chr11	1.2E+08	1.2E+08	*	1.156E-29	2.147E-29	0.14176	chr11_117877401_11787	sig	hyper
chr11	1.2E+08	1.2E+08	*	0	0	-0.4344	chr11_117987201_11798	sig	hypo
chr11	1.2E+08	1.2E+08	*	1.483E-16	2.009E-16	-0.11375	chr11_118145001_11814	sig	hypo
chr11	1.2E+08	1.2E+08	*	3.956E-33	7.879E-33	0.106359	chr11_118153201_11815	sig	hyper
chr11	1.2E+08	1.2E+08	*	2.073E-17	2.874E-17	0.116651	chr11_118180401_11818	sig	hyper
chr11	1.2E+08	1.2E+08	*	4.172E-72	1.545E-71	0.232126	chr11_118531401_11853	sig	hyper
chr11	1.2E+08	1.2E+08	*	2.9E-194	5.61E-193	0.34505	chr11_118531601_11853	sig	hyper
chr11	1.2E+08	1.2E+08	*	7.683E-26	1.319E-25	0.118858	chr11_118659801_11866	sig	hyper
chr11	1.2E+08	1.2E+08	*	3.731E-54	1.064E-53	0.136166	chr11_118689201_11868	sig	hyper
chr11	1.2E+08	1.2E+08	*	1.689E-25	2.873E-25	-0.13075	chr11_118883801_11888	sig	hypo
chr11	1.2E+08	1.2E+08	*	4.437E-14	5.586E-14	0.122848	chr11_118903201_11890	sig	hyper
chr11	1.2E+08	1.2E+08	*	4.11E-114	2.72E-113	0.206187	chr11_118971601_11897	sig	hyper
chr11	1.2E+08	1.2E+08	*	4.883E-60	1.522E-59	0.275528	chr11_118971801_11897	sig	hyper
chr11	1.2E+08	1.2E+08	*	5.815E-63	1.892E-62	0.145993	chr11_119314801_11931	sig	hyper
chr11	1.2E+08	1.2E+08	*	1.533E-26	2.674E-26	0.131487	chr11_119335201_11933	sig	hyper
chr11	1.2E+08	1.2E+08	*	5.313E-28	9.541E-28	0.155914	chr11_119338601_11933	sig	hyper
chr11	1.2E+08	1.2E+08	*	2.317E-16	3.12E-16	-0.13258	chr11_119363401_11936	sig	hypo
chr11	1.2E+08	1.2E+08	*	1.937E-34	3.964E-34	-0.17149	chr11_119368201_11936	sig	hypo
chr11	1.2E+08	1.2E+08	*	2.711E-71	9.946E-71	0.210181	chr11_119376201_11937	sig	hyper
chr11	1.2E+08	1.2E+08	*	0	8.04E-307	0.198319	chr11_119422001_11942	sig	hyper
chr11	1.2E+08	1.2E+08	*	1.041E-84	4.615E-84	0.189798	chr11_119742601_11974	sig	hyper
chr11	1.2E+08	1.2E+08	*	2.52E-81	1.065E-80	-0.22763	chr11_120124001_12012	sig	hypo
chr11	1.2E+08	1.2E+08	*	2.946E-73	1.108E-72	-0.10676	chr11_120137401_12013	sig	hypo
chr11	1.2E+08	1.2E+08	*	3.543E-46	8.868E-46	-0.12525	chr11_120137601_12013	sig	hypo
chr11	1.2E+08	1.2E+08	*	1.359E-37	2.953E-37	0.113564	chr11_120210201_12021	sig	hyper
chr11	1.2E+08	1.2E+08	*	9.038E-23	1.441E-22	0.102758	chr11_120564201_12056	sig	hyper
chr11	1.2E+08	1.2E+08	*	1.001E-39	2.249E-39	-0.10499	chr11_121129801_12113	sig	hypo
chr11	1.2E+08	1.2E+08	*	8.574E-37	1.834E-36	-0.15196	chr11_122882201_12288	sig	hypo

chr11	1.2E+08	1.2E+08	*	4.79E-108	2.9E-107	0.351997	chr11_122976401_12297(	sig	hyper
chr11	1.2E+08	1.2E+08	*	1.17E-123	8.72E-123	0.250582	chr11_122977401_122977	sig	hyper
chr11	1.2E+08	1.2E+08	*	1.88E-115	1.27E-114	0.261943	chr11_122977601_122977	sig	hyper
chr11	1.2E+08	1.2E+08	*	7.637E-98	4.046E-97	0.24534	chr11_122977801_12297(	sig	hyper
chr11	1.2E+08	1.2E+08	*	7.435E-61	2.345E-60	0.18758	chr11_122980001_12298(	sig	hyper
chr11	1.2E+08	1.2E+08	*	5.045E-91	2.441E-90	0.209632	chr11_122980201_12298(	sig	hyper
chr11	1.2E+08	1.2E+08	*	2.205E-70	7.978E-70	0.226405	chr11_122980401_12298(	sig	hyper
chr11	1.2E+08	1.2E+08	*	2.28E-195	4.49E-194	0.273565	chr11_122981601_122981	sig	hyper
chr11	1.2E+08	1.2E+08	*	6.245E-68	2.182E-67	0.163369	chr11_123195801_12319(	sig	hyper
chr11	1.2E+08	1.2E+08	*	7.39E-20	1.096E-19	0.125732	chr11_123302201_123302	sig	hyper
chr11	1.2E+08	1.2E+08	*	4.049E-76	1.59E-75	0.193034	chr11_123430001_12343(	sig	hyper
chr11	1.2E+08	1.2E+08	*	3.07E-113	2.01E-112	0.231907	chr11_123431001_123431	sig	hyper
chr11	1.2E+08	1.2E+08	*	1.428E-87	6.583E-87	0.235779	chr11_123431201_123431	sig	hyper
chr11	1.2E+08	1.2E+08	*	9.337E-68	3.255E-67	-0.29123	chr11_123577601_123577	sig	hypo
chr11	1.2E+08	1.2E+08	*	1.274E-52	3.539E-52	0.120848	chr11_123654801_123655	sig	hyper
chr11	1.2E+08	1.2E+08	*	1.673E-48	4.358E-48	0.17889	chr11_124739401_124739	sig	hyper
chr11	1.2E+08	1.2E+08	*	3.355E-29	6.169E-29	0.157859	chr11_124747401_124747	sig	hyper
chr11	1.2E+08	1.2E+08	*	3.02E-75	1.171E-74	0.261449	chr11_124748401_124748	sig	hyper
chr11	1.2E+08	1.2E+08	*	1.049E-72	3.914E-72	0.247192	chr11_124752401_124752	sig	hyper
chr11	1.2E+08	1.2E+08	*	3.479E-49	9.174E-49	0.115396	chr11_124840001_12484(	sig	hyper
chr11	1.2E+08	1.2E+08	*	2.072E-83	9.01E-83	0.252012	chr11_124843401_124843	sig	hyper
chr11	1.2E+08	1.2E+08	*	7.809E-56	2.287E-55	0.216818	chr11_124865001_124865	sig	hyper
chr11	1.2E+08	1.2E+08	*	3.61E-102	2.02E-101	0.207857	chr11_124865201_124865	sig	hyper
chr11	1.2E+08	1.2E+08	*	2.051E-24	3.402E-24	0.128919	chr11_124866801_124867	sig	hyper
chr11	1.2E+08	1.2E+08	*	5.998E-48	1.548E-47	0.215756	chr11_124868401_124868	sig	hyper
chr11	1.2E+08	1.2E+08	*	2.695E-16	3.624E-16	0.119721	chr11_124870601_12487(	sig	hyper
chr11	1.2E+08	1.2E+08	*	1.827E-58	5.558E-58	0.191705	chr11_124920801_124921	sig	hyper
chr11	1.3E+08	1.3E+08	*	1.581E-89	7.489E-89	0.157293	chr11_125102201_125102	sig	hyper
chr11	1.3E+08	1.3E+08	*	5.14E-74	1.957E-73	0.266276	chr11_125494801_125495	sig	hyper
chr11	1.3E+08	1.3E+08	*	1.712E-47	4.392E-47	0.130577	chr11_125495201_125495	sig	hyper
chr11	1.3E+08	1.3E+08	*	4.644E-94	2.335E-93	0.249327	chr11_125496601_125496	sig	hyper
chr11	1.3E+08	1.3E+08	*	6.564E-78	2.645E-77	0.179554	chr11_126356001_126356	sig	hyper
chr11	1.3E+08	1.3E+08	*	3.361E-53	9.423E-53	0.184707	chr11_126356201_126356	sig	hyper
chr11	1.3E+08	1.3E+08	*	2.28E-119	1.6E-118	0.180068	chr11_127000201_127000	sig	hyper
chr11	1.3E+08	1.3E+08	*	8.057E-87	3.672E-86	0.139375	chr11_127000601_127000	sig	hyper
chr11	1.3E+08	1.3E+08	*	3.895E-92	1.906E-91	0.190417	chr11_127003401_127003	sig	hyper
chr11	1.3E+08	1.3E+08	*	1.549E-43	3.714E-43	-0.12134	chr11_127941601_127941	sig	hypo
chr11	1.3E+08	1.3E+08	*	1.292E-58	3.939E-58	0.14155	chr11_128451801_128452	sig	hyper
chr11	1.3E+08	1.3E+08	*	5.354E-74	2.038E-73	0.263112	chr11_128521401_128521	sig	hyper
chr11	1.3E+08	1.3E+08	*	7.997E-66	2.715E-65	0.328214	chr11_128549201_128549	sig	hyper
chr11	1.3E+08	1.3E+08	*	1.525E-90	7.321E-90	0.221218	chr11_128549401_128549	sig	hyper
chr11	1.3E+08	1.3E+08	*	2.898E-25	4.901E-25	0.122404	chr11_128685201_128685	sig	hyper
chr11	1.3E+08	1.3E+08	*	4.189E-20	6.255E-20	0.114272	chr11_128686201_128686	sig	hyper
chr11	1.3E+08	1.3E+08	*	2.07E-127	1.62E-126	0.160903	chr11_128686801_128687	sig	hyper
chr11	1.3E+08	1.3E+08	*	1.21E-110	7.63E-110	0.183565	chr11_128687001_128687	sig	hyper
chr11	1.3E+08	1.3E+08	*	1.76E-111	1.12E-110	0.268254	chr11_128689201_128689	sig	hyper
chr11	1.3E+08	1.3E+08	*	2.09E-205	4.66E-204	0.202504	chr11_128693001_128693	sig	hyper
chr11	1.3E+08	1.3E+08	*	1.38E-119	9.69E-119	0.14108	chr11_128693601_128693	sig	hyper
chr11	1.3E+08	1.3E+08	*	4.34E-192	8.18E-191	0.348381	chr11_128694201_128694	sig	hyper
chr11	1.3E+08	1.3E+08	*	1.007E-22	1.603E-22	0.135444	chr11_128695201_128695	sig	hyper
chr11	1.3E+08	1.3E+08	*	0	0	0.368563	chr11_128824201_128824	sig	hyper
chr11	1.3E+08	1.3E+08	*	5.6E-168	7.56E-167	0.349888	chr11_128824401_128824	sig	hyper
chr11	1.3E+08	1.3E+08	*	7.405E-35	1.527E-34	-0.17136	chr11_128867401_128867	sig	hypo
chr11	1.3E+08	1.3E+08	*	5.315E-93	2.63E-92	-0.22509	chr11_128876201_128876	sig	hypo
chr11	1.3E+08	1.3E+08	*	2.007E-54	5.741E-54	-0.11144	chr11_128876401_128876	sig	hypo
chr11	1.3E+08	1.3E+08	*	1.13E-127	8.89E-127	0.264863	chr11_129372601_129372	sig	hyper

chr11	1.3E+08	1.3E+08	*	6.444E-72	2.379E-71	0.231109	chr11_129373401_12937	sig	hyper
chr11	1.3E+08	1.3E+08	*	1.217E-17	1.699E-17	-0.13128	chr11_129574401_12957	sig	hypo
chr11	1.3E+08	1.3E+08	*	4.105E-12	4.825E-12	0.110874	chr11_129618201_12961	sig	hyper
chr11	1.3E+08	1.3E+08	*	1.34E-228	4.02E-227	-0.34176	chr11_129743601_12974	sig	hypo
chr11	1.3E+08	1.3E+08	*	9.34E-105	5.4E-104	-0.316	chr11_129743801_12974	sig	hypo
chr11	1.3E+08	1.3E+08	*	2.688E-67	9.307E-67	-0.16326	chr11_129815401_12981	sig	hypo
chr11	1.3E+08	1.3E+08	*	1.53E-143	1.48E-142	-0.24608	chr11_130189601_13018	sig	hypo
chr11	1.3E+08	1.3E+08	*	4.654E-77	1.854E-76	-0.17694	chr11_130189801_13019	sig	hypo
chr11	1.3E+08	1.3E+08	*	3.073E-50	8.224E-50	-0.15114	chr11_130190401_13019	sig	hypo
chr11	1.3E+08	1.3E+08	*	3.761E-33	7.497E-33	-0.12615	chr11_130206201_13020	sig	hypo
chr11	1.3E+08	1.3E+08	*	1.569E-19	2.306E-19	-0.16492	chr11_130206401_13020	sig	hypo
chr11	1.3E+08	1.3E+08	*	1.325E-20	2.004E-20	-0.11819	chr11_130315601_13031	sig	hypo
chr11	1.3E+08	1.3E+08	*	1.159E-94	5.888E-94	0.164329	chr11_130427601_13042	sig	hyper
chr11	1.3E+08	1.3E+08	*	1.144E-70	4.156E-70	0.167355	chr11_130428801_13042	sig	hyper
chr11	1.3E+08	1.3E+08	*	3.801E-90	1.815E-89	0.247629	chr11_131910401_13191	sig	hyper
chr11	1.3E+08	1.3E+08	*	3.278E-55	9.497E-55	0.162513	chr11_132943601_13294	sig	hyper
chr11	1.3E+08	1.3E+08	*	3.37E-100	1.84E-99	0.184818	chr11_132994201_13299	sig	hyper
chr11	1.3E+08	1.3E+08	*	6.76E-32	1.312E-31	-0.14181	chr11_133065001_13306	sig	hypo
chr11	1.3E+08	1.3E+08	*	1.153E-20	1.746E-20	0.167904	chr11_133081801_13308	sig	hyper
chr11	1.3E+08	1.3E+08	*	1.674E-23	2.717E-23	0.141631	chr11_133082001_13308	sig	hyper
chr11	1.3E+08	1.3E+08	*	1.574E-20	2.375E-20	-0.13912	chr11_133575801_13357	sig	hypo
chr11	1.3E+08	1.3E+08	*	5.21E-19	7.558E-19	-0.10236	chr11_133576201_13357	sig	hypo
chr11	1.3E+08	1.3E+08	*	1.322E-33	2.657E-33	0.170346	chr11_133788001_13378	sig	hyper
chr11	1.3E+08	1.3E+08	*	1.264E-36	2.694E-36	-0.15096	chr11_133865001_13386	sig	hypo
chr11	1.3E+08	1.3E+08	*	3.7E-224	1.06E-222	0.274928	chr11_133955601_13395	sig	hyper
chr11	1.3E+08	1.3E+08	*	1.756E-78	7.13E-78	0.173914	chr11_133967401_13396	sig	hyper
chr11	1.3E+08	1.3E+08	*	2.347E-34	4.794E-34	0.197673	chr11_134047201_13404	sig	hyper
chr11	1.3E+08	1.3E+08	*	6.598E-18	9.279E-18	-0.12644	chr11_134058201_13405	sig	hypo
chr11	1.3E+08	1.3E+08	*	2.849E-33	5.691E-33	-0.14972	chr11_134058401_13405	sig	hypo
chr11	1.3E+08	1.3E+08	*	8.011E-79	3.272E-78	0.173251	chr11_134068801_13406	sig	hyper
chr11	1.3E+08	1.3E+08	*	2.35E-204	5.2E-203	0.446114	chr11_134069601_13406	sig	hyper
chr11	1.3E+08	1.3E+08	*	5.693E-94	2.859E-93	0.168154	chr11_134124801_13412	sig	hyper
chr11	1.3E+08	1.3E+08	*	1.58E-109	9.74E-109	0.146711	chr11_134125001_13412	sig	hyper
chr11	1.3E+08	1.3E+08	*	4.484E-61	1.417E-60	0.184122	chr11_134152801_13415	sig	hyper
chr11	1.3E+08	1.3E+08	*	9.687E-23	1.544E-22	0.107615	chr11_134155601_13415	sig	hyper
chr11	1.3E+08	1.3E+08	*	1.279E-88	5.996E-88	0.165009	chr11_134276001_13427	sig	hyper
chr11	1.3E+08	1.3E+08	*	5.59E-237	1.89E-235	0.142144	chr11_134276201_13427	sig	hyper
chr11	1.3E+08	1.3E+08	*	2.092E-12	2.487E-12	0.11656	chr11_134330801_13433	sig	hyper
chr11	1.3E+08	1.3E+08	*	2.73E-136	2.39E-135	0.149707	chr11_134360401_13436	sig	hyper
chr11	1.3E+08	1.3E+08	*	1.441E-20	2.176E-20	-0.11087	chr11_134385201_13438	sig	hypo
chr11	1.3E+08	1.3E+08	*	1.397E-28	2.538E-28	-0.10007	chr11_134387601_13438	sig	hypo
chr11	1.3E+08	1.3E+08	*	5.246E-24	8.618E-24	-0.10854	chr11_134393201_13439	sig	hypo
chr11	1.3E+08	1.3E+08	*	8.023E-19	1.159E-18	0.111698	chr11_134418601_13441	sig	hyper
chr11	1.3E+08	1.3E+08	*	1.41E-236	4.72E-235	0.281909	chr11_134471401_13447	sig	hyper
chr11	1.3E+08	1.3E+08	*	1.167E-25	1.994E-25	0.133219	chr11_134643801_13464	sig	hyper
chr11	1.3E+08	1.3E+08	*	4.981E-47	1.268E-46	-0.18258	chr11_134712801_13471	sig	hypo
chr11	1.3E+08	1.3E+08	*	1.593E-32	3.133E-32	-0.10983	chr11_134763201_13476	sig	hypo
chr11	1.3E+08	1.3E+08	*	1.789E-73	6.745E-73	-0.16958	chr11_134913601_13491	sig	hypo
chr12	66801	67000	*	5.12E-186	8.83E-185	0.264916	chr12_66801_67000	sig	hyper
chr12	105001	105200	*	7.962E-12	9.264E-12	-0.10531	chr12_105001_105200	sig	hypo
chr12	139801	140000	*	2.599E-69	9.258E-69	0.340498	chr12_139801_140000	sig	hyper
chr12	140001	140200	*	4.946E-21	7.556E-21	0.115385	chr12_140001_140200	sig	hyper
chr12	188401	188600	*	3.135E-24	5.177E-24	0.122305	chr12_188401_188600	sig	hyper
chr12	189001	189200	*	2.338E-63	7.668E-63	0.189412	chr12_189001_189200	sig	hyper
chr12	453601	453800	*	4.973E-62	1.598E-61	-0.19009	chr12_453601_453800	sig	hypo
chr12	453801	454000	*	9.355E-33	1.849E-32	-0.15306	chr12_453801_454000	sig	hypo

chr12	1489001	1489200	*	2.133E-13	2.627E-13	-0.12234	chr12_1489001_1489200	sig	hypo
chr12	1500001	1500200	*	1.755E-30	3.312E-30	-0.11397	chr12_1500001_1500200	sig	hypo
chr12	1500201	1500400	*	1.46E-63	4.808E-63	-0.17492	chr12_1500201_1500400	sig	hypo
chr12	1628801	1629000	*	1.577E-43	3.778E-43	0.207511	chr12_1628801_1629000	sig	hyper
chr12	1629001	1629200	*	2.483E-12	2.942E-12	0.114863	chr12_1629001_1629200	sig	hyper
chr12	1632601	1632800	*	5.896E-20	8.767E-20	0.11443	chr12_1632601_1632800	sig	hyper
chr12	1795201	1795400	*	8.329E-14	1.039E-13	-0.10349	chr12_1795201_1795400	sig	hypo
chr12	1797401	1797600	*	2.086E-84	9.211E-84	-0.23824	chr12_1797401_1797600	sig	hypo
chr12	1812801	1813000	*	2.367E-23	3.83E-23	-0.15219	chr12_1812801_1813000	sig	hypo
chr12	1820201	1820400	*	1.33E-113	8.76E-113	0.217209	chr12_1820201_1820400	sig	hyper
chr12	1820401	1820600	*	1.71E-99	9.24E-99	0.238272	chr12_1820401_1820600	sig	hyper
chr12	1834401	1834600	*	1.453E-40	3.316E-40	-0.13007	chr12_1834401_1834600	sig	hypo
chr12	1834601	1834800	*	1.567E-55	4.566E-55	-0.20265	chr12_1834601_1834800	sig	hypo
chr12	1864801	1865000	*	3.641E-63	1.19E-62	0.200834	chr12_1864801_1865000	sig	hyper
chr12	1865001	1865200	*	8.616E-29	1.572E-28	0.189348	chr12_1865001_1865200	sig	hyper
chr12	1865401	1865600	*	2.088E-13	2.573E-13	-0.10533	chr12_1865401_1865600	sig	hypo
chr12	1907801	1908000	*	2.369E-32	4.643E-32	0.107752	chr12_1907801_1908000	sig	hyper
chr12	1919001	1919200	*	4.079E-72	1.512E-71	-0.25728	chr12_1919001_1919200	sig	hypo
chr12	2054201	2054400	*	6.146E-65	2.062E-64	0.139251	chr12_2054201_2054400	sig	hyper
chr12	2057601	2057800	*	2.96E-104	1.7E-103	0.309667	chr12_2057601_2057800	sig	hyper
chr12	2653601	2653800	*	2.356E-28	4.26E-28	-0.11234	chr12_2653601_2653800	sig	hypo
chr12	2691001	2691200	*	6.707E-46	1.67E-45	-0.16594	chr12_2691001_2691200	sig	hypo
chr12	2691201	2691400	*	8.45E-120	5.97E-119	-0.13384	chr12_2691201_2691400	sig	hypo
chr12	2793601	2793800	*	8.357E-53	2.327E-52	-0.25306	chr12_2793601_2793800	sig	hypo
chr12	3098001	3098200	*	4.282E-20	6.393E-20	-0.15469	chr12_3098001_3098200	sig	hypo
chr12	3170801	3171000	*	2.933E-43	7E-43	-0.22119	chr12_3170801_3171000	sig	hypo
chr12	3200401	3200600	*	1.689E-41	3.916E-41	0.100599	chr12_3200401_3200600	sig	hyper
chr12	3305001	3305200	*	9.78E-126	7.48E-125	-0.28237	chr12_3305001_3305200	sig	hypo
chr12	3363601	3363800	*	6.269E-52	1.721E-51	-0.20778	chr12_3363601_3363800	sig	hypo
chr12	3369401	3369600	*	1.796E-18	2.569E-18	-0.10232	chr12_3369401_3369600	sig	hypo
chr12	3490801	3491000	*	7.549E-79	3.086E-78	0.182588	chr12_3490801_3491000	sig	hyper
chr12	3491401	3491600	*	4.078E-98	2.169E-97	0.197302	chr12_3491401_3491600	sig	hyper
chr12	3493001	3493200	*	6.33E-252	2.58E-250	0.274418	chr12_3493001_3493200	sig	hyper
chr12	3493401	3493600	*	4.11E-150	4.41E-149	0.368502	chr12_3493401_3493600	sig	hyper
chr12	3753401	3753600	*	2.627E-41	6.072E-41	-0.13384	chr12_3753401_3753600	sig	hypo
chr12	3838801	3839000	*	2.968E-09	3.109E-09	-0.14583	chr12_3838801_3839000	sig	hypo
chr12	4031801	4032000	*	1.943E-22	3.072E-22	-0.14944	chr12_4031801_4032000	sig	hypo
chr12	4562401	4562600	*	3.647E-71	1.336E-70	0.174882	chr12_4562401_4562600	sig	hyper
chr12	4806601	4806800	*	2.47E-12	2.927E-12	-0.10087	chr12_4806601_4806800	sig	hypo
chr12	4809601	4809800	*	1.44E-183	2.39E-182	0.291605	chr12_4809601_4809800	sig	hyper
chr12	4809801	4810000	*	1.3E-206	2.96E-205	0.332679	chr12_4809801_4810000	sig	hyper
chr12	4909001	4909200	*	5.398E-80	2.244E-79	0.213489	chr12_4909001_4909200	sig	hyper
chr12	4909201	4909400	*	1.77E-153	1.97E-152	0.325969	chr12_4909201_4909400	sig	hyper
chr12	4909401	4909600	*	7.38E-195	1.44E-193	0.308874	chr12_4909401_4909600	sig	hyper
chr12	4909601	4909800	*	1.1E-146	1.11E-145	0.302774	chr12_4909601_4909800	sig	hyper
chr12	4909801	4910000	*	0	0	0.339225	chr12_4909801_4910000	sig	hyper
chr12	4910201	4910400	*	3.78E-112	2.43E-111	0.184337	chr12_4910201_4910400	sig	hyper
chr12	4911401	4911600	*	1.76E-142	1.68E-141	0.374538	chr12_4911401_4911600	sig	hyper
chr12	5043401	5043600	*	3.56E-23	5.741E-23	0.133963	chr12_5043401_5043600	sig	hyper
chr12	5172801	5173000	*	2.308E-11	2.638E-11	-0.10593	chr12_5172801_5173000	sig	hypo
chr12	5430601	5430800	*	1.247E-31	2.409E-31	0.123289	chr12_5430601_5430800	sig	hyper
chr12	5430801	5431000	*	1.079E-74	4.146E-74	0.181504	chr12_5430801_5431000	sig	hyper
chr12	6056401	6056600	*	8.419E-70	3.022E-69	-0.18222	chr12_6056401_6056600	sig	hypo
chr12	6057601	6057800	*	2.691E-25	4.554E-25	0.163613	chr12_6057601_6057800	sig	hyper
chr12	6057801	6058000	*	6.47E-142	6.12E-141	0.23944	chr12_6057801_6058000	sig	hyper
chr12	6075201	6075400	*	9.159E-61	2.886E-60	-0.21577	chr12_6075201_6075400	sig	hypo

chr12	6132601	6132800	*	1.04E-120	7.42E-120	0.286267	chr12_6132601_6132800	sig	hyper
chr12	6142201	6142400	*	2.063E-79	8.506E-79	-0.1834	chr12_6142201_6142400	sig	hypo
chr12	6167801	6168000	*	8.062E-37	1.725E-36	-0.22339	chr12_6167801_6168000	sig	hypo
chr12	6312201	6312400	*	1.185E-34	2.433E-34	-0.17115	chr12_6312201_6312400	sig	hypo
chr12	6362001	6362200	*	3.6E-123	2.66E-122	-0.3031	chr12_6362001_6362200	sig	hypo
chr12	6364001	6364200	*	2.1E-112	1.35E-111	-0.1514	chr12_6364001_6364200	sig	hypo
chr12	6374601	6374800	*	1.092E-85	4.898E-85	-0.28305	chr12_6374601_6374800	sig	hypo
chr12	6377401	6377600	*	1.697E-68	5.97E-68	-0.20835	chr12_6377401_6377600	sig	hypo
chr12	6478601	6478800	*	7.648E-59	2.341E-58	0.155885	chr12_6478601_6478800	sig	hyper
chr12	6539601	6539800	*	8.037E-63	2.61E-62	-0.20951	chr12_6539601_6539800	sig	hypo
chr12	6555401	6555600	*	7.5E-126	5.74E-125	0.283887	chr12_6555401_6555600	sig	hyper
chr12	6555601	6555800	*	3.39E-61	1.074E-60	0.250745	chr12_6555601_6555800	sig	hyper
chr12	6556001	6556200	*	6.122E-72	2.263E-71	0.212992	chr12_6556001_6556200	sig	hyper
chr12	6556201	6556400	*	1.73E-130	1.41E-129	0.26616	chr12_6556201_6556400	sig	hyper
chr12	6620401	6620600	*	0	0	0.329679	chr12_6620401_6620600	sig	hyper
chr12	6636201	6636400	*	3.571E-80	1.488E-79	-0.20913	chr12_6636201_6636400	sig	hypo
chr12	6773801	6774000	*	8.65E-37	1.85E-36	0.12409	chr12_6773801_6774000	sig	hyper
chr12	6778201	6778400	*	6.91E-218	1.83E-216	0.316865	chr12_6778201_6778400	sig	hyper
chr12	6824001	6824200	*	4.388E-28	7.889E-28	-0.15714	chr12_6824001_6824200	sig	hypo
chr12	6824201	6824400	*	1.23E-184	2.08E-183	-0.24186	chr12_6824201_6824400	sig	hypo
chr12	6824401	6824600	*	2.6E-35	5.405E-35	-0.19325	chr12_6824401_6824600	sig	hypo
chr12	6884601	6884800	*	8.465E-65	2.834E-64	0.110566	chr12_6884601_6884800	sig	hyper
chr12	6887601	6887800	*	2.085E-35	4.343E-35	-0.20882	chr12_6887601_6887800	sig	hypo
chr12	6914001	6914200	*	7.007E-81	2.94E-80	0.134889	chr12_6914001_6914200	sig	hyper
chr12	6946401	6946600	*	7.43E-205	1.65E-203	-0.2199	chr12_6946401_6946600	sig	hypo
chr12	6951201	6951400	*	3.216E-26	5.568E-26	-0.13089	chr12_6951201_6951400	sig	hypo
chr12	6952801	6953000	*	3.508E-21	5.376E-21	-0.14193	chr12_6952801_6953000	sig	hypo
chr12	6963601	6963800	*	4.759E-36	1.002E-35	-0.18571	chr12_6963601_6963800	sig	hypo
chr12	7439801	7440000	*	1.858E-87	8.543E-87	0.197257	chr12_7439801_7440000	sig	hyper
chr12	7440001	7440200	*	1.63E-163	2.07E-162	0.185056	chr12_7440001_7440200	sig	hyper
chr12	7639801	7640000	*	2.36E-93	1.174E-92	0.203366	chr12_7639801_7640000	sig	hyper
chr12	7640601	7640800	*	9.964E-26	1.706E-25	-0.12949	chr12_7640601_7640800	sig	hypo
chr12	7705801	7706000	*	4.502E-18	6.358E-18	-0.10328	chr12_7705801_7706000	sig	hypo
chr12	7711401	7711600	*	7.129E-38	1.555E-37	-0.13634	chr12_7711401_7711600	sig	hypo
chr12	7863001	7863200	*	1.033E-21	1.606E-21	0.152888	chr12_7863001_7863200	sig	hyper
chr12	7872801	7873000	*	9.67E-125	7.29E-124	0.274078	chr12_7872801_7873000	sig	hyper
chr12	7916001	7916200	*	2.89E-53	8.108E-53	0.271342	chr12_7916001_7916200	sig	hyper
chr12	8014801	8015000	*	2.058E-13	2.536E-13	0.109636	chr12_8014801_8015000	sig	hyper
chr12	8018801	8019000	*	1.71E-155	1.95E-154	0.168335	chr12_8018801_8019000	sig	hyper
chr12	8224801	8225000	*	5.593E-33	1.11E-32	-0.12548	chr12_8224801_8225000	sig	hypo
chr12	8251401	8251600	*	6.226E-24	1.021E-23	0.124883	chr12_8251401_8251600	sig	hyper
chr12	8324201	8324400	*	2.096E-40	4.77E-40	0.128068	chr12_8324201_8324400	sig	hyper
chr12	9449601	9449800	*	1.034E-55	3.022E-55	0.217656	chr12_9449601_9449800	sig	hyper
chr12	9943201	9943400	*	1.24E-50	3.334E-50	0.164486	chr12_9943201_9943400	sig	hyper
chr12	9943401	9943600	*	5.052E-67	1.745E-66	0.160709	chr12_9943401_9943600	sig	hyper
chr12	1E+07	1E+07	*	9.051E-46	2.25E-45	-0.15863	chr12_10030601_100308(	sig	hypo
chr12	1E+07	1E+07	*	9.158E-50	2.433E-49	0.125721	chr12_10153801_101540(	sig	hyper
chr12	1.2E+07	1.2E+07	*	2.256E-67	7.821E-67	0.135123	chr12_11500601_115008(	sig	hyper
chr12	1.3E+07	1.3E+07	*	6.288E-43	1.492E-42	-0.13861	chr12_12785401_127856(	sig	hypo
chr12	1.3E+07	1.3E+07	*	1.108E-21	1.721E-21	0.132832	chr12_12787401_127876(	sig	hyper
chr12	1.3E+07	1.3E+07	*	2.88E-31	5.522E-31	-0.19169	chr12_12927201_129274(	sig	hypo
chr12	1.3E+07	1.3E+07	*	9.775E-37	2.088E-36	0.139915	chr12_13001801_130020(	sig	hyper
chr12	1.3E+07	1.3E+07	*	1.289E-67	4.485E-67	0.125113	chr12_13278401_132786(	sig	hyper
chr12	1.5E+07	1.5E+07	*	1.229E-47	3.157E-47	0.143183	chr12_14773801_147740(	sig	hyper
chr12	1.5E+07	1.5E+07	*	2.176E-58	6.613E-58	0.172554	chr12_15221001_152212(	sig	hyper
chr12	1.5E+07	1.5E+07	*	4.991E-36	1.05E-35	0.127513	chr12_15322601_153228(	sig	hyper

chr12	1.5E+07	1.5E+07	*	1.297E-93	6.486E-93	0.164445	chr12_15323001_153232(	sig	hyper
chr12	2.2E+07	2.2E+07	*	5.45E-155	6.17E-154	0.134428	chr12_21527401_215276(	sig	hyper
chr12	2.2E+07	2.2E+07	*	9.35E-135	8.05E-134	0.102431	chr12_21527601_215278(	sig	hyper
chr12	2.2E+07	2.2E+07	*	2.906E-31	5.57E-31	0.12817	chr12_21773401_217736(	sig	hyper
chr12	2.2E+07	2.2E+07	*	2.04E-123	1.51E-122	0.157153	chr12_21941401_219416(	sig	hyper
chr12	2.2E+07	2.2E+07	*	1.68E-182	2.76E-181	0.172517	chr12_21941601_219418(	sig	hyper
chr12	2.2E+07	2.2E+07	*	3.701E-95	1.896E-94	0.182712	chr12_21941801_219420(	sig	hyper
chr12	2.2E+07	2.2E+07	*	2.742E-52	7.563E-52	0.105854	chr12_21942001_219422(	sig	hyper
chr12	2.2E+07	2.2E+07	*	1.076E-35	2.252E-35	-0.14133	chr12_21942401_219426(	sig	hypo
chr12	2.2E+07	2.2E+07	*	6.366E-53	1.777E-52	0.143091	chr12_22334401_223346(	sig	hyper
chr12	2.2E+07	2.2E+07	*	5.738E-69	2.036E-68	-0.20135	chr12_22375601_223758(	sig	hypo
chr12	2.5E+07	2.5E+07	*	3.395E-95	1.74E-94	0.129581	chr12_24562201_245624(	sig	hyper
chr12	2.5E+07	2.5E+07	*	2.277E-49	6.02E-49	0.123052	chr12_24563001_245632(	sig	hyper
chr12	2.5E+07	2.5E+07	*	1.03E-102	5.76E-102	0.124014	chr12_24563601_245638(	sig	hyper
chr12	2.5E+07	2.5E+07	*	1.484E-69	5.3E-69	0.141254	chr12_24564201_245644(	sig	hyper
chr12	2.5E+07	2.5E+07	*	9.29E-18	1.302E-17	-0.10964	chr12_24839201_248394(	sig	hypo
chr12	2.5E+07	2.5E+07	*	5.229E-85	2.324E-84	0.231758	chr12_24902601_249028(	sig	hyper
chr12	2.5E+07	2.5E+07	*	9.03E-160	1.09E-158	0.196321	chr12_24903201_249034(	sig	hyper
chr12	2.5E+07	2.5E+07	*	3.432E-87	1.572E-86	-0.30086	chr12_24951801_249520(	sig	hypo
chr12	2.6E+07	2.6E+07	*	1.698E-37	3.679E-37	0.172204	chr12_26233801_262340(	sig	hyper
chr12	2.7E+07	2.7E+07	*	7.081E-46	1.763E-45	-0.18984	chr12_27243801_272440(	sig	hypo
chr12	2.8E+07	2.8E+07	*	6.023E-34	1.219E-33	0.116186	chr12_27779401_277796(	sig	hyper
chr12	2.8E+07	2.8E+07	*	5.72E-298	4.08E-296	0.194369	chr12_27969401_279696(	sig	hyper
chr12	2.8E+07	2.8E+07	*	6.115E-71	2.23E-70	0.167971	chr12_27970601_279708(	sig	hyper
chr12	2.9E+07	2.9E+07	*	4.681E-96	2.43E-95	-0.30085	chr12_29150201_291504(	sig	hypo
chr12	3E+07	3E+07	*	1.56E-113	1.02E-112	0.292792	chr12_29783001_297832(	sig	hyper
chr12	3E+07	3E+07	*	4.05E-204	8.94E-203	0.259854	chr12_29783401_297836(	sig	hyper
chr12	3E+07	3E+07	*	3.932E-18	5.563E-18	0.133397	chr12_30169801_301700(	sig	hyper
chr12	3E+07	3E+07	*	1.26E-75	4.918E-75	0.204595	chr12_30201401_302016(	sig	hyper
chr12	3.1E+07	3.1E+07	*	4.99E-57	1.488E-56	0.119107	chr12_30822801_308230(	sig	hyper
chr12	3.3E+07	3.3E+07	*	6.755E-93	3.338E-92	0.234919	chr12_33438401_334386(	sig	hyper
chr12	3.3E+07	3.3E+07	*	1.735E-66	5.947E-66	0.186593	chr12_33439001_334392(	sig	hyper
chr12	3.3E+07	3.3E+07	*	1.124E-33	2.261E-33	0.222887	chr12_33439401_334396(	sig	hyper
chr12	3.4E+07	3.4E+07	*	1.508E-34	3.09E-34	0.17063	chr12_34218801_342190(	sig	hyper
chr12	3.4E+07	3.4E+07	*	2.105E-31	4.044E-31	-0.11927	chr12_34292001_342922(	sig	hypo
chr12	3.4E+07	3.4E+07	*	1.782E-73	6.719E-73	-0.25546	chr12_34292801_342930(	sig	hypo
chr12	3.4E+07	3.4E+07	*	1.345E-42	3.177E-42	-0.1664	chr12_34294801_342950(	sig	hypo
chr12	3.4E+07	3.4E+07	*	1.059E-28	1.929E-28	-0.13485	chr12_34295001_342952(	sig	hypo
chr12	3.4E+07	3.4E+07	*	5.206E-11	5.878E-11	-0.1224	chr12_34299601_342998(	sig	hypo
chr12	3.4E+07	3.4E+07	*	3.895E-28	7.011E-28	-0.16905	chr12_34302401_343026(	sig	hypo
chr12	3.4E+07	3.4E+07	*	1.457E-15	1.92E-15	-0.11616	chr12_34305001_343052(	sig	hypo
chr12	3.4E+07	3.4E+07	*	5.304E-24	8.712E-24	-0.14497	chr12_34324401_343246(	sig	hypo
chr12	3.4E+07	3.4E+07	*	8.312E-13	1.003E-12	0.156124	chr12_34336001_343362(	sig	hyper
chr12	3.4E+07	3.4E+07	*	1.002E-22	1.597E-22	-0.18687	chr12_34338201_343384(	sig	hypo
chr12	3.4E+07	3.4E+07	*	5.99E-15	7.753E-15	-0.12846	chr12_34341801_343420(	sig	hypo
chr12	3.4E+07	3.4E+07	*	9.572E-41	2.191E-40	-0.24897	chr12_34358401_343586(	sig	hypo
chr12	3.4E+07	3.4E+07	*	6.913E-29	1.263E-28	-0.17592	chr12_34375201_343754(	sig	hypo
chr12	3.4E+07	3.4E+07	*	5.564E-15	7.208E-15	-0.11394	chr12_34378601_343788(	sig	hypo
chr12	3.4E+07	3.4E+07	*	4.632E-15	6.016E-15	-0.13224	chr12_34381401_343816(	sig	hypo
chr12	3.4E+07	3.4E+07	*	4.235E-51	1.146E-50	-0.218	chr12_34385801_343860(	sig	hypo
chr12	3.4E+07	3.4E+07	*	1.811E-58	5.51E-58	-0.25869	chr12_34393801_343940(	sig	hypo
chr12	3.4E+07	3.4E+07	*	4.008E-14	5.054E-14	-0.13779	chr12_34394001_343942(	sig	hypo
chr12	3.4E+07	3.4E+07	*	5.375E-33	1.067E-32	-0.17767	chr12_34394601_343948(	sig	hypo
chr12	3.4E+07	3.4E+07	*	5.035E-44	1.217E-43	-0.19405	chr12_34395001_343952(	sig	hypo
chr12	3.4E+07	3.4E+07	*	1.608E-23	2.611E-23	-0.15922	chr12_34395201_343954(	sig	hypo
chr12	3.4E+07	3.4E+07	*	8.365E-16	1.11E-15	-0.15613	chr12_34399001_343992(	sig	hypo

chr12	3.4E+07	3.4E+07	*	5.843E-29	1.07E-28	-0.19746	chr12_34399401_343996(	sig	hypo
chr12	3.4E+07	3.4E+07	*	4.067E-15	5.294E-15	-0.10666	chr12_34403001_344032(	sig	hypo
chr12	3.5E+07	3.5E+07	*	1.513E-41	3.513E-41	-0.17347	chr12_34603401_346036(	sig	hypo
chr12	3.8E+07	3.8E+07	*	8.448E-19	1.219E-18	-0.10724	chr12_38151201_381514(	sig	hypo
chr12	3.8E+07	3.8E+07	*	2.148E-20	3.229E-20	-0.10153	chr12_38151401_381516(	sig	hypo
chr12	3.8E+07	3.8E+07	*	1.019E-26	1.783E-26	-0.17549	chr12_38153601_381538(	sig	hypo
chr12	3.8E+07	3.8E+07	*	9.403E-10	1.007E-09	-0.11374	chr12_38156201_381564(	sig	hypo
chr12	3.8E+07	3.8E+07	*	2.26E-148	2.34E-147	0.146114	chr12_38316601_383168(	sig	hyper
chr12	3.8E+07	3.8E+07	*	4.31E-184	7.24E-183	0.149759	chr12_38316801_383170(	sig	hyper
chr12	3.9E+07	3.9E+07	*	1.239E-33	2.49E-33	0.110017	chr12_38905601_389058(	sig	hyper
chr12	3.9E+07	3.9E+07	*	3.688E-88	1.715E-87	0.133359	chr12_38905801_389060(	sig	hyper
chr12	3.9E+07	3.9E+07	*	2.436E-95	1.25E-94	0.256683	chr12_39145601_391458(	sig	hyper
chr12	4E+07	4E+07	*	1.738E-82	7.467E-82	0.179959	chr12_40224401_402246(	sig	hyper
chr12	4E+07	4E+07	*	8.101E-48	2.086E-47	0.175633	chr12_40224601_402248(	sig	hyper
chr12	4E+07	4E+07	*	1.25E-37	2.717E-37	0.115471	chr12_40225001_402252(	sig	hyper
chr12	4.1E+07	4.1E+07	*	5.77E-139	5.24E-138	0.305929	chr12_40692401_406926(	sig	hyper
chr12	4.1E+07	4.1E+07	*	7.946E-96	4.109E-95	0.271288	chr12_40692801_406930(	sig	hyper
chr12	4.1E+07	4.1E+07	*	3.3E-66	1.127E-65	0.279348	chr12_40693001_406932(	sig	hyper
chr12	4.1E+07	4.1E+07	*	1.096E-75	4.278E-75	0.201306	chr12_40693601_406938(	sig	hyper
chr12	4.1E+07	4.1E+07	*	3.6E-111	2.28E-110	0.33945	chr12_41188201_411884(	sig	hyper
chr12	4.1E+07	4.1E+07	*	9.92E-114	6.53E-113	0.313	chr12_41189401_411896(	sig	hyper
chr12	4.1E+07	4.1E+07	*	1.506E-63	4.959E-63	0.196338	chr12_41189801_411900(	sig	hyper
chr12	4.2E+07	4.2E+07	*	4.798E-59	1.472E-58	0.196417	chr12_42482201_424824(	sig	hyper
chr12	4.3E+07	4.3E+07	*	2.888E-17	3.986E-17	0.113491	chr12_42588601_425888(	sig	hyper
chr12	4.4E+07	4.4E+07	*	3.32E-274	1.79E-272	0.353491	chr12_43552001_435522(	sig	hyper
chr12	4.4E+07	4.4E+07	*	1.698E-22	2.69E-22	0.115822	chr12_43552601_435528(	sig	hyper
chr12	4.4E+07	4.4E+07	*	4.081E-75	1.579E-74	0.256357	chr12_43571801_435720(	sig	hyper
chr12	4.4E+07	4.4E+07	*	6.584E-67	2.269E-66	0.278992	chr12_43572001_435722(	sig	hyper
chr12	4.5E+07	4.5E+07	*	1.54E-146	1.55E-145	0.182944	chr12_44876601_448768(	sig	hyper
chr12	4.5E+07	4.5E+07	*	5.45E-104	3.11E-103	0.150065	chr12_44876801_448770(	sig	hyper
chr12	4.5E+07	4.5E+07	*	2.38E-106	1.41E-105	0.147809	chr12_44877001_448772(	sig	hyper
chr12	4.5E+07	4.5E+07	*	9.87E-181	1.58E-179	0.27494	chr12_45051001_450512(	sig	hyper
chr12	4.7E+07	4.7E+07	*	4.673E-79	1.915E-78	0.277196	chr12_46831201_468314(	sig	hyper
chr12	4.7E+07	4.7E+07	*	5.96E-238	2.04E-236	0.208998	chr12_46831401_468316(	sig	hyper
chr12	4.7E+07	4.7E+07	*	3.993E-35	8.27E-35	0.183125	chr12_46832401_468326(	sig	hyper
chr12	4.8E+07	4.8E+07	*	1.463E-19	2.153E-19	0.105636	chr12_47783201_477834(	sig	hyper
chr12	4.8E+07	4.8E+07	*	8.76E-53	2.438E-52	0.195195	chr12_47811601_478118(	sig	hyper
chr12	4.8E+07	4.8E+07	*	6.92E-195	1.35E-193	0.227641	chr12_48003801_480040(	sig	hyper
chr12	4.8E+07	4.8E+07	*	2.19E-201	4.68E-200	0.167887	chr12_48004001_480042(	sig	hyper
chr12	4.8E+07	4.8E+07	*	3.631E-34	7.381E-34	0.108258	chr12_48183401_481836(	sig	hyper
chr12	4.8E+07	4.8E+07	*	3.12E-112	2.01E-111	0.199402	chr12_48184401_481846(	sig	hyper
chr12	4.8E+07	4.8E+07	*	2.37E-105	1.38E-104	0.341431	chr12_48184601_481848(	sig	hyper
chr12	4.8E+07	4.8E+07	*	3.81E-10	4.152E-10	0.110556	chr12_48184801_481850(	sig	hyper
chr12	4.8E+07	4.8E+07	*	3.047E-40	6.921E-40	0.10763	chr12_48198401_481986(	sig	hyper
chr12	4.8E+07	4.8E+07	*	3.103E-43	7.403E-43	-0.19239	chr12_48329201_483294(	sig	hypo
chr12	4.9E+07	4.9E+07	*	1.592E-21	2.462E-21	-0.10874	chr12_48528401_485286(	sig	hypo
chr12	4.9E+07	4.9E+07	*	1.715E-38	3.778E-38	0.210265	chr12_48970601_489708(	sig	hyper
chr12	4.9E+07	4.9E+07	*	5.82E-126	4.46E-125	0.166056	chr12_49091201_490914(	sig	hyper
chr12	4.9E+07	4.9E+07	*	1.893E-39	4.234E-39	0.150596	chr12_49295201_492954(	sig	hyper
chr12	4.9E+07	4.9E+07	*	2.362E-75	9.178E-75	0.148482	chr12_49295401_492956(	sig	hyper
chr12	4.9E+07	4.9E+07	*	2.962E-35	6.152E-35	0.136212	chr12_49333001_493332(	sig	hyper
chr12	4.9E+07	4.9E+07	*	1.134E-51	3.102E-51	0.209805	chr12_49334201_493344(	sig	hyper
chr12	4.9E+07	4.9E+07	*	4.057E-33	8.078E-33	0.219815	chr12_49334401_493346(	sig	hyper
chr12	4.9E+07	4.9E+07	*	1.301E-98	6.951E-98	0.324974	chr12_49342001_493422(	sig	hyper
chr12	5E+07	5E+07	*	1.68E-147	1.72E-146	0.308012	chr12_49544201_495444(	sig	hyper
chr12	5E+07	5E+07	*	2.7E-106	1.6E-105	0.263866	chr12_49904001_499042(	sig	hyper

chr12	5E+07	5E+07	*	1.189E-63	3.922E-63	0.275863	chr12_49955401_499556(	sig	hyper
chr12	5E+07	5E+07	*	1.9E-17	2.638E-17	0.153259	chr12_49955601_499558(	sig	hyper
chr12	5E+07	5E+07	*	4.93E-204	1.09E-202	0.285764	chr12_49961401_499616(	sig	hyper
chr12	5E+07	5E+07	*	1.96E-180	3.14E-179	0.420345	chr12_49974201_499744(	sig	hyper
chr12	5E+07	5E+07	*	7.693E-74	2.922E-73	0.255971	chr12_50033001_500332(	sig	hyper
chr12	5E+07	5E+07	*	1.115E-13	1.386E-13	-0.10859	chr12_50051201_500514(	sig	hypo
chr12	5E+07	5E+07	*	1.802E-19	2.645E-19	0.113573	chr12_50081201_500814(	sig	hyper
chr12	5.1E+07	5.1E+07	*	5.285E-93	2.616E-92	0.196032	chr12_50842801_508430(	sig	hyper
chr12	5.1E+07	5.1E+07	*	1.586E-29	2.937E-29	-0.13395	chr12_51027401_510276(	sig	hypo
chr12	5.1E+07	5.1E+07	*	4.302E-76	1.689E-75	0.14963	chr12_51217001_512172(	sig	hyper
chr12	5.1E+07	5.1E+07	*	3.604E-35	7.475E-35	-0.16377	chr12_51269601_512698(	sig	hypo
chr12	5.1E+07	5.1E+07	*	7.102E-20	1.054E-19	-0.15041	chr12_51324201_513244(	sig	hypo
chr12	5.1E+07	5.1E+07	*	1.969E-46	4.958E-46	-0.16923	chr12_51392601_513928(	sig	hypo
chr12	5.2E+07	5.2E+07	*	1.559E-20	2.353E-20	0.11554	chr12_51591801_515920(	sig	hyper
chr12	5.2E+07	5.2E+07	*	2.177E-58	6.617E-58	0.190427	chr12_51864401_518646(	sig	hyper
chr12	5.2E+07	5.2E+07	*	5.738E-41	1.318E-40	0.165001	chr12_51868801_518690(	sig	hyper
chr12	5.2E+07	5.2E+07	*	1.726E-08	1.745E-08	0.116014	chr12_51917801_519180(	sig	hyper
chr12	5.2E+07	5.2E+07	*	2.93E-19	4.277E-19	-0.1185	chr12_52005801_520060(	sig	hypo
chr12	5.2E+07	5.2E+07	*	1.95E-183	3.23E-182	0.208237	chr12_52007601_520078(	sig	hyper
chr12	5.2E+07	5.2E+07	*	2.58E-46	6.481E-46	0.152043	chr12_52014601_520148(	sig	hyper
chr12	5.2E+07	5.2E+07	*	2.45E-112	1.58E-111	0.264301	chr12_52043601_520438(	sig	hyper
chr12	5.2E+07	5.2E+07	*	3.53E-267	1.77E-265	-0.2619	chr12_52116001_521162(	sig	hypo
chr12	5.2E+07	5.2E+07	*	6.008E-16	7.996E-16	-0.12253	chr12_52231601_522318(	sig	hypo
chr12	5.2E+07	5.2E+07	*	5.87E-200	1.24E-198	0.383067	chr12_52233401_522336(	sig	hyper
chr12	5.2E+07	5.2E+07	*	7.044E-75	2.716E-74	0.231862	chr12_52233601_522338(	sig	hyper
chr12	5.2E+07	5.2E+07	*	2.04E-133	1.73E-132	0.275979	chr12_52258801_522590(	sig	hyper
chr12	5.2E+07	5.2E+07	*	5.593E-40	1.263E-39	-0.15187	chr12_52319201_523194(	sig	hypo
chr12	5.3E+07	5.3E+07	*	3.08E-115	2.07E-114	0.268806	chr12_52601401_526016(	sig	hyper
chr12	5.3E+07	5.3E+07	*	1.948E-26	3.39E-26	-0.1297	chr12_52613601_526138(	sig	hypo
chr12	5.3E+07	5.3E+07	*	3.168E-32	6.192E-32	-0.15437	chr12_52618201_526184(	sig	hypo
chr12	5.3E+07	5.3E+07	*	3.89E-22	6.104E-22	-0.15167	chr12_52792201_527924(	sig	hypo
chr12	5.3E+07	5.3E+07	*	2.237E-45	5.524E-45	-0.18236	chr12_52849001_528492(	sig	hypo
chr12	5.3E+07	5.3E+07	*	5.032E-20	7.499E-20	-0.13067	chr12_52898601_528988(	sig	hypo
chr12	5.3E+07	5.3E+07	*	2.688E-36	5.696E-36	-0.16574	chr12_52898801_528990(	sig	hypo
chr12	5.3E+07	5.3E+07	*	2.07E-32	4.06E-32	0.160303	chr12_53049601_530498(	sig	hyper
chr12	5.3E+07	5.3E+07	*	2.33E-59	7.183E-59	0.165285	chr12_53050001_530502(	sig	hyper
chr12	5.3E+07	5.3E+07	*	2.286E-18	3.257E-18	-0.12603	chr12_53103401_531036(	sig	hypo
chr12	5.3E+07	5.3E+07	*	5.822E-37	1.249E-36	0.221065	chr12_53218601_532188(	sig	hyper
chr12	5.3E+07	5.3E+07	*	8.93E-110	5.55E-109	0.197866	chr12_53324201_533244(	sig	hyper
chr12	5.3E+07	5.3E+07	*	2.662E-32	5.211E-32	0.129464	chr12_53492201_534924(	sig	hyper
chr12	5.3E+07	5.3E+07	*	6.2E-75	2.392E-74	0.257049	chr12_53492401_534926(	sig	hyper
chr12	5.4E+07	5.4E+07	*	2.989E-27	5.291E-27	0.111588	chr12_53695001_536952(	sig	hyper
chr12	5.4E+07	5.4E+07	*	5.567E-37	1.195E-36	0.198204	chr12_53750801_537510(	sig	hyper
chr12	5.4E+07	5.4E+07	*	1.15E-119	8.11E-119	0.238219	chr12_53927401_539276(	sig	hyper
chr12	5.4E+07	5.4E+07	*	1.91E-204	4.23E-203	0.375379	chr12_53930601_539308(	sig	hyper
chr12	5.4E+07	5.4E+07	*	2.661E-83	1.156E-82	0.211851	chr12_53931001_539312(	sig	hyper
chr12	5.4E+07	5.4E+07	*	6.389E-95	3.258E-94	0.313088	chr12_53936001_539362(	sig	hyper
chr12	5.4E+07	5.4E+07	*	7.488E-39	1.66E-38	0.237817	chr12_53936401_539366(	sig	hyper
chr12	5.4E+07	5.4E+07	*	1.65E-202	3.61E-201	0.301805	chr12_53938201_539384(	sig	hyper
chr12	5.4E+07	5.4E+07	*	4.262E-42	9.98E-42	0.282268	chr12_53938401_539386(	sig	hyper
chr12	5.4E+07	5.4E+07	*	9.67E-110	6E-109	0.27094	chr12_53938801_539390(	sig	hyper
chr12	5.4E+07	5.4E+07	*	2.036E-17	2.823E-17	0.104914	chr12_53944801_539450(	sig	hyper
chr12	5.4E+07	5.4E+07	*	2.94E-272	1.56E-270	0.240377	chr12_53945001_539452(	sig	hyper
chr12	5.4E+07	5.4E+07	*	3.89E-126	2.99E-125	0.304599	chr12_53945401_539456(	sig	hyper
chr12	5.4E+07	5.4E+07	*	1.34E-99	7.24E-99	0.182215	chr12_53951201_539514(	sig	hyper
chr12	5.4E+07	5.4E+07	*	3.725E-66	1.271E-65	0.19262	chr12_53951401_539516(	sig	hyper

chr12	5.4E+07	5.4E+07	*	1.42E-241	5.13E-240	0.243718	chr12_53952001_539522(	sig	hyper
chr12	5.4E+07	5.4E+07	*	4.846E-15	6.29E-15	0.112071	chr12_53952201_539524(	sig	hyper
chr12	5.4E+07	5.4E+07	*	1.26E-148	1.31E-147	0.335441	chr12_53955401_539556(	sig	hyper
chr12	5.4E+07	5.4E+07	*	5.641E-97	2.96E-96	0.272117	chr12_53960601_539608(	sig	hyper
chr12	5.4E+07	5.4E+07	*	3.22E-159	3.86E-158	0.251775	chr12_53960801_539610(	sig	hyper
chr12	5.4E+07	5.4E+07	*	9.87E-132	8.19E-131	0.30786	chr12_53961601_539618(	sig	hyper
chr12	5.4E+07	5.4E+07	*	2.46E-211	6.01E-210	0.339151	chr12_53966601_539668(	sig	hyper
chr12	5.4E+07	5.4E+07	*	2.31E-198	4.76E-197	0.267415	chr12_53973001_539732(	sig	hyper
chr12	5.4E+07	5.4E+07	*	2.504E-51	6.803E-51	0.283046	chr12_53973401_539736(	sig	hyper
chr12	5.4E+07	5.4E+07	*	3.028E-85	1.351E-84	0.211539	chr12_53974401_539746(	sig	hyper
chr12	5.4E+07	5.4E+07	*	1.078E-65	3.653E-65	0.298673	chr12_53975201_539754(	sig	hyper
chr12	5.4E+07	5.4E+07	*	1.639E-78	6.662E-78	0.230802	chr12_53975401_539756(	sig	hyper
chr12	5.4E+07	5.4E+07	*	1.68E-106	9.97E-106	0.212132	chr12_53975601_539758(	sig	hyper
chr12	5.4E+07	5.4E+07	*	2.96E-46	7.424E-46	0.160763	chr12_53982201_539824(	sig	hyper
chr12	5.4E+07	5.4E+07	*	4.795E-75	1.853E-74	0.145383	chr12_53986201_539864(	sig	hyper
chr12	5.4E+07	5.4E+07	*	1.6E-95	8.234E-95	0.259029	chr12_53987201_539874(	sig	hyper
chr12	5.4E+07	5.4E+07	*	2.44E-149	2.58E-148	0.254811	chr12_53999601_539998(	sig	hyper
chr12	5.4E+07	5.4E+07	*	0	0	0.30479	chr12_54000201_540004(	sig	hyper
chr12	5.4E+07	5.4E+07	*	1.221E-67	4.251E-67	-0.10476	chr12_54006401_540066(	sig	hypo
chr12	5.4E+07	5.4E+07	*	1.72E-145	1.71E-144	-0.2135	chr12_54006601_540068(	sig	hypo
chr12	5.4E+07	5.4E+07	*	1.851E-21	2.856E-21	0.15073	chr12_54010401_540106(	sig	hyper
chr12	5.4E+07	5.4E+07	*	3.955E-50	1.057E-49	0.175379	chr12_54014801_540150(	sig	hyper
chr12	5.4E+07	5.4E+07	*	3.445E-47	8.791E-47	0.213505	chr12_54019201_540194(	sig	hyper
chr12	5.4E+07	5.4E+07	*	2.48E-139	2.27E-138	0.169471	chr12_54029601_540298(	sig	hyper
chr12	5.4E+07	5.4E+07	*	3.059E-34	6.229E-34	0.150637	chr12_54031201_540314(	sig	hyper
chr12	5.4E+07	5.4E+07	*	4.737E-67	1.636E-66	0.156415	chr12_54032801_540330(	sig	hyper
chr12	5.4E+07	5.4E+07	*	7.306E-26	1.255E-25	0.12577	chr12_54034201_540344(	sig	hyper
chr12	5.4E+07	5.4E+07	*	1.71E-44	4.168E-44	0.237337	chr12_54047001_540472(	sig	hyper
chr12	5.4E+07	5.4E+07	*	5.51E-131	4.52E-130	0.240897	chr12_54047201_540474(	sig	hyper
chr12	5.4E+07	5.4E+07	*	5.99E-191	1.11E-189	0.265932	chr12_54047401_540476(	sig	hyper
chr12	5.4E+07	5.4E+07	*	8.55E-158	1E-156	0.273557	chr12_54047601_540478(	sig	hyper
chr12	5.4E+07	5.4E+07	*	2.621E-26	4.548E-26	0.133504	chr12_54053401_540536(	sig	hyper
chr12	5.4E+07	5.4E+07	*	9.1E-121	6.53E-120	0.248906	chr12_54053801_540540(	sig	hyper
chr12	5.4E+07	5.4E+07	*	5.329E-87	2.435E-86	0.258239	chr12_54054001_540542(	sig	hyper
chr12	5.4E+07	5.4E+07	*	4.033E-34	8.192E-34	0.191968	chr12_54078201_540784(	sig	hyper
chr12	5.4E+07	5.4E+07	*	1.505E-94	7.63E-94	0.202281	chr12_54079601_540798(	sig	hyper
chr12	5.4E+07	5.4E+07	*	3.134E-36	6.629E-36	0.120421	chr12_54080201_540804(	sig	hyper
chr12	5.4E+07	5.4E+07	*	1.36E-20	2.055E-20	0.155117	chr12_54081601_540818(	sig	hyper
chr12	5.4E+07	5.4E+07	*	8.789E-36	1.841E-35	0.129447	chr12_54081801_540820(	sig	hyper
chr12	5.4E+07	5.4E+07	*	0	0	0.322041	chr12_54090401_540906(	sig	hyper
chr12	5.4E+07	5.4E+07	*	6.756E-45	1.656E-44	0.221001	chr12_54126601_541268(	sig	hyper
chr12	5.4E+07	5.4E+07	*	8.82E-38	1.921E-37	-0.12499	chr12_54128001_541282(	sig	hypo
chr12	5.4E+07	5.4E+07	*	6.817E-11	7.67E-11	-0.1432	chr12_54129401_541296(	sig	hypo
chr12	5.4E+07	5.4E+07	*	1.506E-16	2.039E-16	-0.10127	chr12_54473601_544738(	sig	hypo
chr12	5.5E+07	5.5E+07	*	4.474E-66	1.525E-65	0.182175	chr12_54549601_545498(	sig	hyper
chr12	5.6E+07	5.6E+07	*	1.075E-20	1.629E-20	0.181533	chr12_55746001_557462(	sig	hyper
chr12	5.6E+07	5.6E+07	*	8.15E-57	2.421E-56	0.169914	chr12_55935801_559360(	sig	hyper
chr12	5.6E+07	5.6E+07	*	4.512E-31	8.62E-31	-0.12363	chr12_56000201_560004(	sig	hypo
chr12	5.6E+07	5.6E+07	*	8.33E-108	5.03E-107	0.333675	chr12_56021401_560216(	sig	hyper
chr12	5.6E+07	5.6E+07	*	3.553E-45	8.744E-45	0.154916	chr12_56488601_564888(	sig	hyper
chr12	5.6E+07	5.6E+07	*	1.065E-48	2.781E-48	0.148235	chr12_56488801_564890(	sig	hyper
chr12	5.7E+07	5.7E+07	*	1.12E-128	8.92E-128	0.296766	chr12_57236401_572366(	sig	hyper
chr12	5.7E+07	5.7E+07	*	2.63E-108	1.6E-107	0.249516	chr12_57236601_572368(	sig	hyper
chr12	5.7E+07	5.7E+07	*	1.851E-57	5.562E-57	-0.1439	chr12_57487401_574876(	sig	hypo
chr12	5.8E+07	5.8E+07	*	7.668E-11	8.611E-11	0.108506	chr12_57529801_575300(	sig	hyper
chr12	5.8E+07	5.8E+07	*	2.08E-192	3.93E-191	-0.31058	chr12_57619601_576198(	sig	hypo

chr12	5.8E+07	5.8E+07	*	5.937E-22	9.283E-22	0.105478	chr12_57628001_576282(	sig	hyper
chr12	5.8E+07	5.8E+07	*	3.27E-135	2.83E-134	0.228136	chr12_57632201_576324(	sig	hyper
chr12	5.8E+07	5.8E+07	*	2.55E-239	8.86E-238	0.279356	chr12_57632401_576326(	sig	hyper
chr12	5.8E+07	5.8E+07	*	1.315E-20	1.988E-20	-0.12218	chr12_57675001_576752(	sig	hypo
chr12	5.8E+07	5.8E+07	*	5.101E-72	1.888E-71	0.300597	chr12_57727201_577274(	sig	hyper
chr12	5.8E+07	5.8E+07	*	1.1E-130	8.96E-130	0.392815	chr12_57727601_577278(	sig	hyper
chr12	5.8E+07	5.8E+07	*	5.243E-54	1.491E-53	0.34711	chr12_57727801_577280(	sig	hyper
chr12	5.8E+07	5.8E+07	*	1.745E-78	7.087E-78	0.250906	chr12_57736401_577366(	sig	hyper
chr12	5.8E+07	5.8E+07	*	2.845E-70	1.028E-69	0.23203	chr12_57739601_577398(	sig	hyper
chr12	5.8E+07	5.8E+07	*	2.258E-58	6.861E-58	0.189923	chr12_57767001_577672(	sig	hyper
chr12	6E+07	6E+07	*	1.56E-121	1.13E-120	0.123667	chr12_59597001_595972(	sig	hyper
chr12	6.2E+07	6.2E+07	*	6.13E-104	3.5E-103	0.241004	chr12_62191201_621914(	sig	hyper
chr12	6.2E+07	6.2E+07	*	5.87E-130	4.75E-129	0.2911	chr12_62191401_621916(	sig	hyper
chr12	6.2E+07	6.2E+07	*	2.83E-114	1.88E-113	0.176062	chr12_62191601_621918(	sig	hyper
chr12	6.2E+07	6.2E+07	*	2.34E-112	1.51E-111	0.361225	chr12_62192401_621926(	sig	hyper
chr12	6.3E+07	6.3E+07	*	5.089E-98	2.703E-97	0.293861	chr12_63150001_631502(	sig	hyper
chr12	6.3E+07	6.3E+07	*	2.02E-168	2.74E-167	0.368839	chr12_63151001_631512(	sig	hyper
chr12	6.3E+07	6.3E+07	*	6.03E-241	2.15E-239	0.280221	chr12_63151401_631516(	sig	hyper
chr12	6.3E+07	6.3E+07	*	2.3E-25	3.898E-25	0.132737	chr12_63151801_631520(	sig	hyper
chr12	6.4E+07	6.4E+07	*	1.44E-278	8.21E-277	0.157833	chr12_63668401_636686(	sig	hyper
chr12	6.4E+07	6.4E+07	*	2.04E-205	4.56E-204	0.197151	chr12_63669001_636692(	sig	hyper
chr12	6.4E+07	6.4E+07	*	3.54E-105	2.06E-104	0.197725	chr12_63669201_636694(	sig	hyper
chr12	6.4E+07	6.4E+07	*	1.63E-124	1.22E-123	0.25346	chr12_63821801_638220(	sig	hyper
chr12	6.4E+07	6.4E+07	*	1.781E-30	3.359E-30	0.141263	chr12_63843401_638436(	sig	hyper
chr12	6.4E+07	6.4E+07	*	8.478E-85	3.762E-84	0.190273	chr12_64390401_643906(	sig	hyper
chr12	6.4E+07	6.4E+07	*	5.87E-207	1.34E-205	0.275225	chr12_64390601_643908(	sig	hyper
chr12	6.5E+07	6.5E+07	*	7.74E-138	6.93E-137	0.155201	chr12_64824201_648244(	sig	hyper
chr12	6.5E+07	6.5E+07	*	1.291E-67	4.491E-67	0.111353	chr12_64824401_648246(	sig	hyper
chr12	6.5E+07	6.5E+07	*	4.44E-191	8.26E-190	0.322689	chr12_64825601_648258(	sig	hyper
chr12	6.5E+07	6.5E+07	*	3.87E-250	1.55E-248	0.204786	chr12_64826401_648266(	sig	hyper
chr12	6.5E+07	6.5E+07	*	4.341E-84	1.905E-83	0.237214	chr12_65278201_652784(	sig	hyper
chr12	6.6E+07	6.6E+07	*	2.596E-49	6.857E-49	0.200634	chr12_65729001_657292(	sig	hyper
chr12	6.6E+07	6.6E+07	*	7.07E-108	4.27E-107	0.268209	chr12_65729401_657296(	sig	hyper
chr12	6.6E+07	6.6E+07	*	5.627E-28	1.01E-27	0.155732	chr12_66188801_661890(	sig	hyper
chr12	6.6E+07	6.6E+07	*	1.074E-37	2.336E-37	0.208345	chr12_66189001_661892(	sig	hyper
chr12	7.1E+07	7.1E+07	*	4.37E-126	3.36E-125	0.30242	chr12_70920401_709206(	sig	hyper
chr12	7.1E+07	7.1E+07	*	7.7E-100	4.17E-99	0.325064	chr12_70920601_709208(	sig	hyper
chr12	7.2E+07	7.2E+07	*	2.79E-113	1.83E-112	0.297333	chr12_72271801_722720(	sig	hyper
chr12	7.2E+07	7.2E+07	*	1.07E-190	1.97E-189	0.230881	chr12_72272001_722722(	sig	hyper
chr12	7.2E+07	7.2E+07	*	0	0	0.366789	chr12_72273401_722736(	sig	hyper
chr12	7.2E+07	7.2E+07	*	1.07E-127	8.41E-127	0.313579	chr12_72273601_722738(	sig	hyper
chr12	7.4E+07	7.4E+07	*	3.018E-30	5.671E-30	-0.10203	chr12_74171201_741714(	sig	hypo
chr12	7.4E+07	7.4E+07	*	2.154E-65	7.27E-65	-0.14224	chr12_74292401_742926(	sig	hypo
chr12	7.4E+07	7.4E+07	*	8.953E-62	2.867E-61	-0.22785	chr12_74403001_744032(	sig	hypo
chr12	7.5E+07	7.5E+07	*	1.08E-257	4.76E-256	0.313052	chr12_75207601_752078(	sig	hyper
chr12	7.5E+07	7.5E+07	*	1.786E-76	7.054E-76	0.242692	chr12_75208001_752082(	sig	hyper
chr12	7.5E+07	7.5E+07	*	1.26E-197	2.56E-196	0.329531	chr12_75209201_752094(	sig	hyper
chr12	7.5E+07	7.5E+07	*	6.01E-24	9.862E-24	-0.11142	chr12_75305401_753056(	sig	hypo
chr12	7.9E+07	7.9E+07	*	1.37E-194	2.67E-193	0.251571	chr12_78864601_788648(	sig	hyper
chr12	7.9E+07	7.9E+07	*	7.26E-194	1.39E-192	0.235973	chr12_78865001_788652(	sig	hyper
chr12	8E+07	8E+07	*	3.411E-25	5.758E-25	0.126872	chr12_80400601_804008(	sig	hyper
chr12	8.1E+07	8.1E+07	*	2.9E-122	2.12E-121	0.214693	chr12_80708601_807088(	sig	hyper
chr12	8.1E+07	8.1E+07	*	1.547E-16	2.094E-16	0.106117	chr12_80708801_807090(	sig	hyper
chr12	8.1E+07	8.1E+07	*	9.742E-51	2.624E-50	0.218321	chr12_80716801_807170(	sig	hyper
chr12	8.1E+07	8.1E+07	*	4.276E-93	2.12E-92	0.205536	chr12_81077601_810778(	sig	hyper
chr12	8.1E+07	8.1E+07	*	9.71E-284	5.84E-282	0.286227	chr12_81077801_810780(	sig	hyper

chr12	8.1E+07	8.1E+07	*	6.035E-97	3.165E-96	0.208295	chr12_81078201_810784(	sig	hyper
chr12	8.2E+07	8.2E+07	*	9.07E-159	1.08E-157	0.18386	chr12_81758401_817586(	sig	hyper
chr12	8.2E+07	8.2E+07	*	7.046E-77	2.801E-76	0.213239	chr12_81758601_817588(	sig	hyper
chr12	8.2E+07	8.2E+07	*	2.541E-44	6.177E-44	0.138954	chr12_81759201_817594(	sig	hyper
chr12	8.2E+07	8.2E+07	*	1.06E-149	1.12E-148	0.187875	chr12_81759401_817596(	sig	hyper
chr12	8.2E+07	8.2E+07	*	3.526E-65	1.187E-64	0.189042	chr12_81759601_817598(	sig	hyper
chr12	8.4E+07	8.4E+07	*	3.105E-46	7.782E-46	-0.19427	chr12_84155201_841554(	sig	hypo
chr12	8.5E+07	8.5E+07	*	7.41E-263	3.46E-261	0.225149	chr12_84911801_849120(	sig	hyper
chr12	8.5E+07	8.5E+07	*	6.54E-211	1.58E-209	0.40359	chr12_84912001_849122(	sig	hyper
chr12	8.5E+07	8.5E+07	*	2.49E-216	6.49E-215	0.388667	chr12_84912401_849126(	sig	hyper
chr12	8.5E+07	8.5E+07	*	1.34E-171	1.91E-170	0.336932	chr12_84912601_849128(	sig	hyper
chr12	8.5E+07	8.5E+07	*	3.741E-51	1.013E-50	0.177924	chr12_84913201_849134(	sig	hyper
chr12	8.5E+07	8.5E+07	*	2.933E-93	1.456E-92	0.237883	chr12_85273401_852736(	sig	hyper
chr12	8.5E+07	8.5E+07	*	1.68E-119	1.18E-118	0.237678	chr12_85273601_852738(	sig	hyper
chr12	8.5E+07	8.5E+07	*	5.23E-153	5.8E-152	0.287275	chr12_85273801_852740(	sig	hyper
chr12	8.5E+07	8.5E+07	*	1.446E-69	5.166E-69	0.167453	chr12_85278001_852782(	sig	hyper
chr12	8.5E+07	8.5E+07	*	1.063E-37	2.313E-37	0.133303	chr12_85278401_852786(	sig	hyper
chr12	8.5E+07	8.5E+07	*	1.516E-31	2.92E-31	0.164373	chr12_85278801_852790(	sig	hyper
chr12	8.5E+07	8.5E+07	*	6.62E-191	1.23E-189	0.276697	chr12_85279401_852796(	sig	hyper
chr12	8.5E+07	8.5E+07	*	5.32E-107	3.18E-106	0.182309	chr12_85280001_852802(	sig	hyper
chr12	8.5E+07	8.5E+07	*	9.129E-20	1.35E-19	0.122615	chr12_85280401_852806(	sig	hyper
chr12	8.5E+07	8.5E+07	*	8.059E-52	2.209E-51	0.185643	chr12_85280601_852808(	sig	hyper
chr12	8.5E+07	8.5E+07	*	2.089E-29	3.859E-29	0.118413	chr12_85280801_852810(	sig	hyper
chr12	8.9E+07	8.9E+07	*	1.58E-203	3.48E-202	-0.30813	chr12_89350601_893508(	sig	hypo
chr12	8.9E+07	8.9E+07	*	6.258E-91	3.026E-90	-0.20824	chr12_89350801_893510(	sig	hypo
chr12	9.4E+07	9.4E+07	*	7.859E-49	2.06E-48	0.128047	chr12_94150001_941502(	sig	hyper
chr12	9.4E+07	9.4E+07	*	1.55E-133	1.32E-132	0.238871	chr12_94186801_941870(	sig	hyper
chr12	9.5E+07	9.5E+07	*	4.341E-57	1.296E-56	0.202746	chr12_94874001_948742(	sig	hyper
chr12	9.6E+07	9.6E+07	*	0	0	0.346241	chr12_95548001_955482(	sig	hyper
chr12	9.6E+07	9.6E+07	*	0	0	0.335593	chr12_95549001_955492(	sig	hyper
chr12	9.6E+07	9.6E+07	*	1.14E-79	4.712E-79	0.207406	chr12_95549201_955494(	sig	hyper
chr12	9.6E+07	9.6E+07	*	4.605E-58	1.393E-57	0.130018	chr12_95956801_959570(	sig	hyper
chr12	9.6E+07	9.6E+07	*	1.89E-147	1.93E-146	0.118383	chr12_96489401_964896(	sig	hyper
chr12	9.6E+07	9.6E+07	*	9.325E-74	3.534E-73	0.283509	chr12_96490001_964902(	sig	hyper
chr12	9.8E+07	9.8E+07	*	3.248E-48	8.422E-48	-0.15858	chr12_98455801_984560(	sig	hypo
chr12	9.9E+07	9.9E+07	*	4.699E-14	5.911E-14	0.101174	chr12_98742201_987424(	sig	hyper
chr12	9.9E+07	9.9E+07	*	1.458E-31	2.811E-31	0.122302	chr12_98745801_987460(	sig	hyper
chr12	9.9E+07	9.9E+07	*	3.731E-26	6.451E-26	0.10642	chr12_98893601_988938(	sig	hyper
chr12	9.9E+07	9.9E+07	*	3.855E-56	1.133E-55	0.173207	chr12_98893801_988940(	sig	hyper
chr12	9.9E+07	9.9E+07	*	9.041E-79	3.689E-78	0.334268	chr12_98895401_988956(	sig	hyper
chr12	1E+08	1E+08	*	5.03E-117	3.44E-116	0.198262	chr12_101209601_10120(	sig	hyper
chr12	1E+08	1E+08	*	3.36E-105	1.96E-104	0.215372	chr12_101642401_10164(	sig	hyper
chr12	1E+08	1E+08	*	1.6E-36	3.405E-36	0.189097	chr12_101642601_10164(	sig	hyper
chr12	1E+08	1E+08	*	2.14E-113	1.4E-112	0.252671	chr12_102824601_10282(	sig	hyper
chr12	1E+08	1E+08	*	8.88E-120	6.28E-119	0.274745	chr12_102824801_10282(	sig	hyper
chr12	1E+08	1E+08	*	4.306E-87	1.97E-86	0.211901	chr12_102950601_10295(	sig	hyper
chr12	1E+08	1E+08	*	2.79E-109	1.72E-108	0.17353	chr12_102950801_10295(	sig	hyper
chr12	1E+08	1E+08	*	2.71E-99	1.457E-98	0.204712	chr12_102958601_10295(	sig	hyper
chr12	1E+08	1E+08	*	1.3E-156	1.5E-155	0.286132	chr12_102961201_10296(	sig	hyper
chr12	1E+08	1E+08	*	1.12E-234	3.66E-233	0.277185	chr12_102961401_10296(	sig	hyper
chr12	1E+08	1E+08	*	6.71E-210	1.6E-208	0.267588	chr12_102962201_10296(	sig	hyper
chr12	1E+08	1E+08	*	1.594E-76	6.302E-76	0.174696	chr12_102965401_10296(	sig	hyper
chr12	1E+08	1E+08	*	4.034E-45	9.918E-45	0.116959	chr12_102965601_10296(	sig	hyper
chr12	1E+08	1E+08	*	2.135E-85	9.546E-85	0.292386	chr12_103302201_10330(	sig	hyper
chr12	1E+08	1E+08	*	1.27E-69	4.542E-69	0.118196	chr12_104049801_10405(	sig	hyper
chr12	1E+08	1E+08	*	5.51E-199	1.15E-197	0.208682	chr12_104050001_10405(	sig	hyper

chr12	1E+08	1E+08	*	1.362E-63	4.485E-63	0.151447	chr12_104216001_10421	sig	hyper
chr12	1E+08	1E+08	*	3.753E-36	7.922E-36	0.134108	chr12_104216201_10421	sig	hyper
chr12	1E+08	1E+08	*	5.316E-40	1.201E-39	0.185248	chr12_104294201_10429	sig	hyper
chr12	1E+08	1E+08	*	2.295E-68	8.062E-68	0.222778	chr12_104303401_10430	sig	hyper
chr12	1E+08	1E+08	*	1.72E-160	2.1E-159	0.196791	chr12_104303601_10430	sig	hyper
chr12	1E+08	1E+08	*	1.638E-52	4.54E-52	0.181792	chr12_104303801_10430	sig	hyper
chr12	1E+08	1E+08	*	1.131E-23	1.845E-23	0.183625	chr12_104304001_10430	sig	hyper
chr12	1E+08	1E+08	*	3.057E-68	1.072E-67	0.22392	chr12_104457401_10445	sig	hyper
chr12	1E+08	1E+08	*	1.53E-99	8.28E-99	0.177348	chr12_104458201_10445	sig	hyper
chr12	1E+08	1E+08	*	5.516E-55	1.592E-54	0.153316	chr12_104458401_10445	sig	hyper
chr12	1E+08	1E+08	*	5.852E-61	1.848E-60	0.157221	chr12_104458601_10445	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.375E-37	2.987E-37	0.140183	chr12_105083801_10508	sig	hyper
chr12	1.1E+08	1.1E+08	*	5.402E-41	1.241E-40	0.11137	chr12_106138401_10613	sig	hyper
chr12	1.1E+08	1.1E+08	*	2.014E-32	3.951E-32	0.179604	chr12_106580401_10658	sig	hyper
chr12	1.1E+08	1.1E+08	*	4.11E-103	2.32E-102	0.179675	chr12_106581001_10658	sig	hyper
chr12	1.1E+08	1.1E+08	*	6.85E-122	4.97E-121	0.181943	chr12_106581201_10658	sig	hyper
chr12	1.1E+08	1.1E+08	*	6.09E-168	8.2E-167	0.172517	chr12_106582801_10658	sig	hyper
chr12	1.1E+08	1.1E+08	*	4.85E-134	4.14E-133	0.271796	chr12_106585401_10658	sig	hyper
chr12	1.1E+08	1.1E+08	*	8.74E-164	1.12E-162	0.258568	chr12_106585601_10658	sig	hyper
chr12	1.1E+08	1.1E+08	*	5.913E-53	1.651E-52	0.163276	chr12_106585801_10658	sig	hyper
chr12	1.1E+08	1.1E+08	*	4.326E-76	1.698E-75	0.178183	chr12_106586001_10658	sig	hyper
chr12	1.1E+08	1.1E+08	*	3.65E-121	2.62E-120	0.201147	chr12_106586401_10658	sig	hyper
chr12	1.1E+08	1.1E+08	*	6.307E-39	1.399E-38	0.14727	chr12_106586601_10658	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.656E-68	5.827E-68	0.214486	chr12_106903201_10690	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.207E-83	5.266E-83	0.204038	chr12_106955001_10695	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.057E-11	1.224E-11	0.125669	chr12_107645801_10764	sig	hyper
chr12	1.1E+08	1.1E+08	*	2.2E-129	1.76E-128	0.289647	chr12_107775201_10777	sig	hyper
chr12	1.1E+08	1.1E+08	*	6.137E-48	1.584E-47	0.185987	chr12_107864201_10786	sig	hyper
chr12	1.1E+08	1.1E+08	*	4.756E-41	1.094E-40	0.189581	chr12_108130001_10813	sig	hyper
chr12	1.1E+08	1.1E+08	*	8.873E-19	1.28E-18	-0.12566	chr12_108210001_10821	sig	hypo
chr12	1.1E+08	1.1E+08	*	6.831E-37	1.464E-36	0.138782	chr12_108811601_10881	sig	hyper
chr12	1.1E+08	1.1E+08	*	2.286E-36	4.852E-36	-0.16536	chr12_108880001_10888	sig	hypo
chr12	1.1E+08	1.1E+08	*	1.815E-17	2.52E-17	-0.12077	chr12_109273201_10927	sig	hypo
chr12	1.1E+08	1.1E+08	*	6.564E-67	2.262E-66	0.154739	chr12_109309201_10930	sig	hyper
chr12	1.1E+08	1.1E+08	*	3.447E-36	7.285E-36	0.180412	chr12_109606601_10960	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.524E-25	2.595E-25	0.102392	chr12_109712201_10971	sig	hyper
chr12	1.1E+08	1.1E+08	*	6.01E-32	1.168E-31	0.11169	chr12_109718401_10971	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.337E-70	4.851E-70	0.23792	chr12_109833201_10983	sig	hyper
chr12	1.1E+08	1.1E+08	*	4.45E-134	3.8E-133	0.250738	chr12_109833601_10983	sig	hyper
chr12	1.1E+08	1.1E+08	*	2.876E-33	5.744E-33	-0.15024	chr12_110430001_11043	sig	hypo
chr12	1.1E+08	1.1E+08	*	8.185E-27	1.437E-26	-0.1492	chr12_110430201_11043	sig	hypo
chr12	1.1E+08	1.1E+08	*	2.212E-97	1.166E-96	0.318662	chr12_111033401_11103	sig	hyper
chr12	1.1E+08	1.1E+08	*	4.046E-63	1.32E-62	0.296403	chr12_111033601_11103	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.6E-155	1.82E-154	0.357217	chr12_111034001_11103	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.59E-132	1.33E-131	0.243249	chr12_111035801_11103	sig	hyper
chr12	1.1E+08	1.1E+08	*	2.29E-156	2.64E-155	0.201808	chr12_111036201_11103	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.038E-71	3.827E-71	-0.32538	chr12_111287601_11128	sig	hypo
chr12	1.1E+08	1.1E+08	*	1.024E-13	1.274E-13	-0.10531	chr12_111397401_11139	sig	hypo
chr12	1.1E+08	1.1E+08	*	4.138E-34	8.402E-34	0.197603	chr12_113077601_11307	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.635E-14	2.086E-14	-0.1192	chr12_113089401_11308	sig	hypo
chr12	1.1E+08	1.1E+08	*	1.279E-16	1.735E-16	-0.11868	chr12_113090801_11309	sig	hypo
chr12	1.1E+08	1.1E+08	*	2.776E-36	5.879E-36	0.155851	chr12_113112201_11311	sig	hyper
chr12	1.1E+08	1.1E+08	*	2.23E-30	4.2E-30	0.122658	chr12_113349201_11334	sig	hyper
chr12	1.1E+08	1.1E+08	*	3.407E-73	1.28E-72	0.194789	chr12_113463401_11346	sig	hyper
chr12	1.1E+08	1.1E+08	*	2.95E-144	2.88E-143	0.285046	chr12_113464401_11346	sig	hyper
chr12	1.1E+08	1.1E+08	*	6.322E-85	2.809E-84	0.307097	chr12_113464801_11346	sig	hyper

chr12	1.1E+08	1.1E+08	*	1.79E-244	6.73E-243	0.176393	chr12_113467201_113467	sig	hyper
chr12	1.1E+08	1.1E+08	*	2.425E-25	4.109E-25	0.114672	chr12_113469001_113469	sig	hyper
chr12	1.1E+08	1.1E+08	*	4.15E-152	4.55E-151	0.251185	chr12_113469201_113469	sig	hyper
chr12	1.1E+08	1.1E+08	*	0	0	0.294928	chr12_113476001_113476	sig	hyper
chr12	1.1E+08	1.1E+08	*	0	0	0.303815	chr12_113479601_113479	sig	hyper
chr12	1.1E+08	1.1E+08	*	6.41E-237	2.16E-235	0.266919	chr12_113479801_113480	sig	hyper
chr12	1.1E+08	1.1E+08	*	3.993E-47	1.017E-46	0.114398	chr12_113638001_113638	sig	hyper
chr12	1.1E+08	1.1E+08	*	7.39E-137	6.52E-136	0.218962	chr12_113669801_113670	sig	hyper
chr12	1.1E+08	1.1E+08	*	2.39E-108	1.46E-107	0.199613	chr12_113796201_113796	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.689E-64	5.631E-64	0.28778	chr12_114395801_114396	sig	hyper
chr12	1.1E+08	1.1E+08	*	6.522E-66	2.218E-65	0.229005	chr12_114396001_114396	sig	hyper
chr12	1.1E+08	1.1E+08	*	3.595E-53	1.007E-52	0.137886	chr12_114399801_114400	sig	hyper
chr12	1.1E+08	1.1E+08	*	9.43E-110	5.85E-109	0.253786	chr12_114401001_114401	sig	hyper
chr12	1.1E+08	1.1E+08	*	2.018E-63	6.631E-63	0.166397	chr12_114401201_114401	sig	hyper
chr12	1.1E+08	1.1E+08	*	5.07E-106	2.99E-105	0.276648	chr12_114403001_114403	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.21E-165	1.58E-164	0.325997	chr12_114403801_114404	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.919E-86	8.711E-86	0.247586	chr12_114404801_114405	sig	hyper
chr12	1.1E+08	1.1E+08	*	2.06E-139	1.89E-138	0.273727	chr12_114405401_114405	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.223E-86	5.563E-86	0.26118	chr12_114405601_114405	sig	hyper
chr12	1.1E+08	1.1E+08	*	9.15E-101	5.02E-100	0.240565	chr12_114405801_114406	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.092E-53	3.087E-53	0.210579	chr12_114406401_114406	sig	hyper
chr12	1.1E+08	1.1E+08	*	4.67E-159	5.57E-158	0.313672	chr12_114408401_114408	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.607E-70	5.823E-70	0.240826	chr12_114408601_114408	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.48E-198	3.06E-197	0.233783	chr12_114409601_114409	sig	hyper
chr12	1.1E+08	1.1E+08	*	4.99E-207	1.14E-205	0.207207	chr12_114414201_114414	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.92E-150	2.06E-149	0.322489	chr12_114414401_114414	sig	hyper
chr12	1.1E+08	1.1E+08	*	2.32E-163	2.95E-162	0.281668	chr12_114439201_114439	sig	hyper
chr12	1.1E+08	1.1E+08	*	7.61E-195	1.48E-193	0.330613	chr12_114439601_114439	sig	hyper
chr12	1.1E+08	1.1E+08	*	2.89E-234	9.4E-233	0.342575	chr12_114440601_114440	sig	hyper
chr12	1.1E+08	1.1E+08	*	4.02E-193	7.67E-192	0.298986	chr12_114441001_114441	sig	hyper
chr12	1.1E+08	1.1E+08	*	5.06E-175	7.55E-174	0.236808	chr12_114443801_114444	sig	hyper
chr12	1.1E+08	1.1E+08	*	8.886E-49	2.326E-48	0.166528	chr12_114445401_114445	sig	hyper
chr12	1.1E+08	1.1E+08	*	6.1E-106	3.59E-105	0.231438	chr12_114447401_114447	sig	hyper
chr12	1.1E+08	1.1E+08	*	4.722E-43	1.123E-42	0.106301	chr12_114479801_114480	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.72E-100	9.38E-100	0.209203	chr12_114480801_114481	sig	hyper
chr12	1.1E+08	1.1E+08	*	7.351E-20	1.09E-19	0.13723	chr12_114666401_114666	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.495E-33	3.001E-33	0.176696	chr12_114686001_114686	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.449E-96	7.554E-96	0.237752	chr12_114686801_114687	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.8E-139	1.65E-138	0.199213	chr12_114687001_114687	sig	hyper
chr12	1.1E+08	1.1E+08	*	2.18E-165	2.84E-164	0.294484	chr12_114687201_114687	sig	hyper
chr12	1.1E+08	1.1E+08	*	4.019E-12	4.725E-12	0.102625	chr12_114687801_114688	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.97E-196	3.93E-195	0.322673	chr12_114696401_114696	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.54E-134	1.32E-133	0.277795	chr12_114696601_114696	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.06E-136	9.34E-136	0.255349	chr12_114697001_114697	sig	hyper
chr12	1.1E+08	1.1E+08	*	0	0	0.311796	chr12_114697201_114697	sig	hyper
chr12	1.1E+08	1.1E+08	*	1.217E-95	6.269E-95	0.137471	chr12_114697401_114697	sig	hyper
chr12	1.1E+08	1.1E+08	*	4.712E-95	2.409E-94	0.243216	chr12_114699801_114700	sig	hyper
chr12	1.1E+08	1.1E+08	*	9.322E-51	2.512E-50	0.246995	chr12_114700001_114700	sig	hyper
chr12	1.1E+08	1.1E+08	*	4.743E-65	1.593E-64	0.238407	chr12_114700201_114700	sig	hyper
chr12	1.1E+08	1.1E+08	*	3.259E-21	4.999E-21	0.16633	chr12_114700601_114700	sig	hyper
chr12	1.1E+08	1.1E+08	*	8.297E-28	1.485E-27	0.12265	chr12_114735801_114736	sig	hyper
chr12	1.2E+08	1.2E+08	*	1.192E-40	2.723E-40	-0.20711	chr12_116506401_116506	sig	hypo
chr12	1.2E+08	1.2E+08	*	3.235E-16	4.336E-16	-0.1443	chr12_116818801_116819	sig	hypo
chr12	1.2E+08	1.2E+08	*	9.94E-202	2.14E-200	0.176137	chr12_116882001_116882	sig	hyper
chr12	1.2E+08	1.2E+08	*	9.244E-37	1.976E-36	0.130216	chr12_116882201_116882	sig	hyper
chr12	1.2E+08	1.2E+08	*	1.69E-137	1.5E-136	0.222612	chr12_116970001_116970	sig	hyper

chr12	1.2E+08	1.2E+08	*	7.56E-113	4.91E-112	0.314901	chr12_117030601_11703(	sig	hyper
chr12	1.2E+08	1.2E+08	*	5.956E-41	1.367E-40	0.231727	chr12_117032601_11703:	sig	hyper
chr12	1.2E+08	1.2E+08	*	6.496E-31	1.238E-30	0.184218	chr12_117033801_11703-	sig	hyper
chr12	1.2E+08	1.2E+08	*	3.202E-18	4.541E-18	0.101061	chr12_117045201_11704[	sig	hyper
chr12	1.2E+08	1.2E+08	*	8.35E-127	6.48E-126	0.262469	chr12_117189401_11718[	sig	hyper
chr12	1.2E+08	1.2E+08	*	2.809E-45	6.927E-45	0.19085	chr12_117359401_11735[	sig	hyper
chr12	1.2E+08	1.2E+08	*	8.04E-123	5.92E-122	0.245787	chr12_118774401_11877-	sig	hyper
chr12	1.2E+08	1.2E+08	*	5.13E-198	1.05E-196	0.323666	chr12_118980801_11898[	sig	hyper
chr12	1.2E+08	1.2E+08	*	8.942E-77	3.548E-76	0.304968	chr12_118981201_11898[	sig	hyper
chr12	1.2E+08	1.2E+08	*	9.385E-34	1.892E-33	0.210042	chr12_119153801_11915-	sig	hyper
chr12	1.2E+08	1.2E+08	*	2.09E-121	1.51E-120	0.242321	chr12_119593801_11959-	sig	hyper
chr12	1.2E+08	1.2E+08	*	1.444E-21	2.235E-21	-0.12066	chr12_119596001_11959(	sig	hypo
chr12	1.2E+08	1.2E+08	*	1.14E-177	1.75E-176	0.30018	chr12_119803401_11980[	sig	hyper
chr12	1.2E+08	1.2E+08	*	1.77E-198	3.65E-197	0.402518	chr12_119803601_11980[	sig	hyper
chr12	1.2E+08	1.2E+08	*	1.13E-231	3.51E-230	0.362038	chr12_119804001_11980-	sig	hyper
chr12	1.2E+08	1.2E+08	*	1.76E-195	3.47E-194	0.315699	chr12_119804201_11980-	sig	hyper
chr12	1.2E+08	1.2E+08	*	4.1E-248	1.61E-246	0.398015	chr12_120100801_12010(	sig	hyper
chr12	1.2E+08	1.2E+08	*	1.35E-102	7.57E-102	0.274833	chr12_120101001_12010(	sig	hyper
chr12	1.2E+08	1.2E+08	*	1.47E-108	8.96E-108	0.231938	chr12_120361801_12036:	sig	hyper
chr12	1.2E+08	1.2E+08	*	3.9E-135	3.37E-134	0.184721	chr12_120397801_12039[	sig	hyper
chr12	1.2E+08	1.2E+08	*	3.68E-25	6.209E-25	0.168112	chr12_120398001_12039[	sig	hyper
chr12	1.2E+08	1.2E+08	*	9.803E-69	3.465E-68	0.198323	chr12_120650401_12065(	sig	hyper
chr12	1.2E+08	1.2E+08	*	1.575E-24	2.622E-24	0.176759	chr12_121240801_12124(	sig	hyper
chr12	1.2E+08	1.2E+08	*	5.727E-48	1.479E-47	0.194377	chr12_121581001_12158(	sig	hyper
chr12	1.2E+08	1.2E+08	*	2.919E-32	5.711E-32	0.136996	chr12_121581201_12158(	sig	hyper
chr12	1.2E+08	1.2E+08	*	2.494E-36	5.289E-36	0.128266	chr12_121720201_12172(	sig	hyper
chr12	1.2E+08	1.2E+08	*	2.78E-168	3.77E-167	0.361473	chr12_121767601_12176-	sig	hyper
chr12	1.2E+08	1.2E+08	*	1.757E-58	5.345E-58	0.161944	chr12_121811801_12181:	sig	hyper
chr12	1.2E+08	1.2E+08	*	3.635E-33	7.249E-33	0.163299	chr12_121813201_12181:	sig	hyper
chr12	1.2E+08	1.2E+08	*	9.666E-25	1.618E-24	-0.12493	chr12_121918001_12191[	sig	hypo
chr12	1.2E+08	1.2E+08	*	1.079E-78	4.402E-78	0.268027	chr12_121918801_12191[	sig	hyper
chr12	1.2E+08	1.2E+08	*	2.223E-14	2.824E-14	-0.10279	chr12_122006401_12200(	sig	hypo
chr12	1.2E+08	1.2E+08	*	2.645E-24	4.374E-24	-0.10915	chr12_122029201_12202[	sig	hypo
chr12	1.2E+08	1.2E+08	*	2.116E-48	5.503E-48	0.114232	chr12_122061401_12206(	sig	hyper
chr12	1.2E+08	1.2E+08	*	8.534E-35	1.757E-34	0.128954	chr12_122127201_12212-	sig	hyper
chr12	1.2E+08	1.2E+08	*	3.058E-36	6.47E-36	-0.11989	chr12_122716401_12271(	sig	hypo
chr12	1.2E+08	1.2E+08	*	4.677E-59	1.435E-58	-0.2325	chr12_122716601_12271(	sig	hypo
chr12	1.2E+08	1.2E+08	*	8.001E-23	1.278E-22	-0.13056	chr12_122730201_12273(	sig	hypo
chr12	1.2E+08	1.2E+08	*	1.686E-61	5.373E-61	0.162895	chr12_122868001_12286[	sig	hyper
chr12	1.2E+08	1.2E+08	*	1.739E-42	4.099E-42	0.143722	chr12_122868201_12286[	sig	hyper
chr12	1.2E+08	1.2E+08	*	1.003E-18	1.443E-18	0.168576	chr12_122984601_12298-	sig	hyper
chr12	1.2E+08	1.2E+08	*	7.845E-26	1.346E-25	0.125728	chr12_123151801_12315:	sig	hyper
chr12	1.2E+08	1.2E+08	*	1.52E-127	1.19E-126	0.362566	chr12_123269401_12326[	sig	hyper
chr12	1.2E+08	1.2E+08	*	4.92E-181	7.93E-180	0.387242	chr12_123269601_12326[	sig	hyper
chr12	1.2E+08	1.2E+08	*	3.437E-92	1.682E-91	0.25896	chr12_123272401_12327:	sig	hyper
chr12	1.2E+08	1.2E+08	*	1.51E-137	1.35E-136	-0.27491	chr12_123909201_12390[	sig	hypo
chr12	1.2E+08	1.2E+08	*	2.561E-89	1.21E-88	-0.2292	chr12_123931601_12393(	sig	hypo
chr12	1.2E+08	1.2E+08	*	1.014E-79	4.194E-79	-0.14439	chr12_123949801_12395(	sig	hypo
chr12	1.2E+08	1.2E+08	*	2.828E-41	6.531E-41	0.200029	chr12_124098201_12409[	sig	hyper
chr12	1.2E+08	1.2E+08	*	1.589E-33	3.188E-33	0.147969	chr12_124267001_12426-	sig	hyper
chr12	1.2E+08	1.2E+08	*	1.031E-29	1.918E-29	0.133914	chr12_124289401_12428[	sig	hyper
chr12	1.2E+08	1.2E+08	*	2.906E-29	5.349E-29	0.128527	chr12_124327401_12432-	sig	hyper
chr12	1.2E+08	1.2E+08	*	5.148E-65	1.728E-64	0.258347	chr12_124387601_12438-	sig	hyper
chr12	1.2E+08	1.2E+08	*	9.38E-138	8.38E-137	0.337586	chr12_124388601_12438[	sig	hyper
chr12	1.2E+08	1.2E+08	*	6.915E-80	2.871E-79	0.182545	chr12_124395401_12439[	sig	hyper
chr12	1.2E+08	1.2E+08	*	5.961E-23	9.558E-23	0.121835	chr12_124409001_12440[	sig	hyper

chr12	1.2E+08	1.2E+08	*	6.862E-39	1.522E-38	0.108427	chr12_124413201_12441	sig	hyper
chr12	1.2E+08	1.2E+08	*	2.652E-40	6.028E-40	0.181712	chr12_124423401_12442	sig	hyper
chr12	1.2E+08	1.2E+08	*	8.42E-112	5.39E-111	0.200551	chr12_124426601_12442	sig	hyper
chr12	1.2E+08	1.2E+08	*	1.79E-109	1.11E-108	0.306324	chr12_124454801_12445	sig	hyper
chr12	1.2E+08	1.2E+08	*	7.356E-15	9.492E-15	0.154673	chr12_124457401_12445	sig	hyper
chr12	1.2E+08	1.2E+08	*	4.064E-18	5.748E-18	-0.1229	chr12_124466001_12446	sig	hypo
chr12	1.2E+08	1.2E+08	*	5.861E-70	2.109E-69	0.18933	chr12_124480601_12448	sig	hyper
chr12	1.2E+08	1.2E+08	*	5.644E-63	1.837E-62	0.165302	chr12_124501201_12450	sig	hyper
chr12	1.2E+08	1.2E+08	*	2.373E-27	4.213E-27	0.148648	chr12_124501601_12450	sig	hyper
chr12	1.2E+08	1.2E+08	*	2.16E-106	1.28E-105	0.289214	chr12_124501801_12450	sig	hyper
chr12	1.2E+08	1.2E+08	*	5.943E-49	1.561E-48	0.194902	chr12_124506201_12450	sig	hyper
chr12	1.2E+08	1.2E+08	*	1.135E-62	3.678E-62	0.15101	chr12_124506401_12450	sig	hyper
chr12	1.2E+08	1.2E+08	*	7.801E-80	3.237E-79	0.212909	chr12_124520201_12452	sig	hyper
chr12	1.2E+08	1.2E+08	*	2.48E-74	9.484E-74	0.253952	chr12_124543601_12454	sig	hyper
chr12	1.2E+08	1.2E+08	*	2.62E-138	2.36E-137	0.265031	chr12_124549201_12454	sig	hyper
chr12	1.2E+08	1.2E+08	*	6.128E-24	1.005E-23	0.141895	chr12_124551801_12455	sig	hyper
chr12	1.2E+08	1.2E+08	*	1.615E-46	4.072E-46	-0.19521	chr12_124608001_12460	sig	hypo
chr12	1.2E+08	1.2E+08	*	8.818E-81	3.695E-80	0.302189	chr12_124655601_12465	sig	hyper
chr12	1.2E+08	1.2E+08	*	1.173E-24	1.959E-24	0.107912	chr12_124661001_12466	sig	hyper
chr12	1.2E+08	1.2E+08	*	7.713E-21	1.173E-20	0.156152	chr12_124733001_12473	sig	hyper
chr12	1.2E+08	1.2E+08	*	6.045E-19	8.753E-19	-0.10425	chr12_124738801_12473	sig	hypo
chr12	1.2E+08	1.2E+08	*	1.41E-45	3.492E-45	-0.15884	chr12_124739001_12473	sig	hypo
chr12	1.3E+08	1.3E+08	*	3.722E-21	5.701E-21	-0.11276	chr12_125076401_12507	sig	hypo
chr12	1.3E+08	1.3E+08	*	2.37E-30	4.46E-30	0.103131	chr12_125185601_12518	sig	hyper
chr12	1.3E+08	1.3E+08	*	2.014E-43	4.818E-43	0.104198	chr12_125187401_12518	sig	hyper
chr12	1.3E+08	1.3E+08	*	9.17E-23	1.462E-22	0.109288	chr12_125683801_12568	sig	hyper
chr12	1.3E+08	1.3E+08	*	1.298E-51	3.545E-51	0.131288	chr12_125684001_12568	sig	hyper
chr12	1.3E+08	1.3E+08	*	4.895E-77	1.949E-76	0.159541	chr12_126191001_12619	sig	hyper
chr12	1.3E+08	1.3E+08	*	6.31E-239	2.17E-237	0.278596	chr12_126727801_12672	sig	hyper
chr12	1.3E+08	1.3E+08	*	1.118E-42	2.643E-42	-0.14408	chr12_127060401_12706	sig	hypo
chr12	1.3E+08	1.3E+08	*	5.339E-33	1.06E-32	0.166361	chr12_127063401_12706	sig	hyper
chr12	1.3E+08	1.3E+08	*	1.954E-88	9.132E-88	0.21523	chr12_127280601_12728	sig	hyper
chr12	1.3E+08	1.3E+08	*	1.561E-74	5.986E-74	0.212307	chr12_127280801_12728	sig	hyper
chr12	1.3E+08	1.3E+08	*	7.335E-26	1.26E-25	0.100626	chr12_127381001_12738	sig	hyper
chr12	1.3E+08	1.3E+08	*	2.12E-117	1.46E-116	0.204975	chr12_128268401_12826	sig	hyper
chr12	1.3E+08	1.3E+08	*	1.28E-146	1.29E-145	0.308025	chr12_128365801_12836	sig	hyper
chr12	1.3E+08	1.3E+08	*	0	0	0.302645	chr12_128366001_12836	sig	hyper
chr12	1.3E+08	1.3E+08	*	3.315E-42	7.776E-42	0.126408	chr12_128824401_12882	sig	hyper
chr12	1.3E+08	1.3E+08	*	9.333E-35	1.92E-34	0.102891	chr12_128824601_12882	sig	hyper
chr12	1.3E+08	1.3E+08	*	1.23E-178	1.92E-177	0.26426	chr12_128854201_12885	sig	hyper
chr12	1.3E+08	1.3E+08	*	4.691E-12	5.501E-12	-0.11381	chr12_128933001_12893	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.052E-61	3.365E-61	0.147318	chr12_128969601_12896	sig	hyper
chr12	1.3E+08	1.3E+08	*	7.89E-134	6.72E-133	0.219245	chr12_128976401_12897	sig	hyper
chr12	1.3E+08	1.3E+08	*	1.86E-64	6.197E-64	-0.20835	chr12_129926601_12992	sig	hypo
chr12	1.3E+08	1.3E+08	*	3.35E-28	6.037E-28	0.158022	chr12_130013801_13001	sig	hyper
chr12	1.3E+08	1.3E+08	*	3.858E-26	6.669E-26	0.126534	chr12_130017401_13001	sig	hyper
chr12	1.3E+08	1.3E+08	*	5.401E-60	1.682E-59	0.17755	chr12_130017601_13001	sig	hyper
chr12	1.3E+08	1.3E+08	*	1.39E-108	8.47E-108	0.243294	chr12_130017801_13001	sig	hyper
chr12	1.3E+08	1.3E+08	*	1.739E-65	5.881E-65	0.208868	chr12_130018001_13001	sig	hyper
chr12	1.3E+08	1.3E+08	*	1.61E-263	7.66E-262	0.328189	chr12_130042201_13004	sig	hyper
chr12	1.3E+08	1.3E+08	*	2.104E-14	2.676E-14	-0.13887	chr12_130044401_13004	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.365E-60	4.287E-60	0.206661	chr12_130106001_13010	sig	hyper
chr12	1.3E+08	1.3E+08	*	4.758E-39	1.058E-38	-0.17925	chr12_130106801_13010	sig	hypo
chr12	1.3E+08	1.3E+08	*	4.973E-24	8.177E-24	0.121299	chr12_130137001_13013	sig	hyper
chr12	1.3E+08	1.3E+08	*	2.808E-72	1.042E-71	0.198189	chr12_130161401_13016	sig	hyper
chr12	1.3E+08	1.3E+08	*	6.742E-46	1.679E-45	-0.14218	chr12_130186201_13018	sig	hypo

chr12	1.3E+08	1.3E+08	*	2.867E-41	6.62E-41	0.162608	chr12_130196001_13019	sig	hyper
chr12	1.3E+08	1.3E+08	*	2.881E-13	3.535E-13	0.113169	chr12_130334201_13033	sig	hyper
chr12	1.3E+08	1.3E+08	*	5.73E-218	1.52E-216	-0.34616	chr12_130336801_13033	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.788E-47	4.582E-47	0.268871	chr12_130339201_13033	sig	hyper
chr12	1.3E+08	1.3E+08	*	4.08E-206	9.21E-205	0.252911	chr12_130339401_13033	sig	hyper
chr12	1.3E+08	1.3E+08	*	8.982E-26	1.539E-25	0.108792	chr12_130339601_13033	sig	hyper
chr12	1.3E+08	1.3E+08	*	6.214E-15	8.037E-15	-0.10696	chr12_130407801_13040	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.147E-18	1.649E-18	0.11879	chr12_130429601_13042	sig	hyper
chr12	1.3E+08	1.3E+08	*	1.226E-16	1.664E-16	-0.12405	chr12_130447401_13044	sig	hypo
chr12	1.3E+08	1.3E+08	*	4.883E-21	7.46E-21	-0.13607	chr12_130452601_13045	sig	hypo
chr12	1.3E+08	1.3E+08	*	5.122E-24	8.417E-24	-0.12254	chr12_130455401_13045	sig	hypo
chr12	1.3E+08	1.3E+08	*	7.957E-15	1.026E-14	-0.10726	chr12_130473601_13047	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.157E-39	2.599E-39	-0.14732	chr12_130474401_13047	sig	hypo
chr12	1.3E+08	1.3E+08	*	4.741E-47	1.207E-46	0.181561	chr12_130476801_13047	sig	hyper
chr12	1.3E+08	1.3E+08	*	8.62E-39	1.907E-38	0.176051	chr12_130477201_13047	sig	hyper
chr12	1.3E+08	1.3E+08	*	5.617E-28	1.008E-27	0.146156	chr12_130658001_13065	sig	hyper
chr12	1.3E+08	1.3E+08	*	1.279E-42	3.023E-42	-0.14925	chr12_130675001_13067	sig	hypo
chr12	1.3E+08	1.3E+08	*	3.624E-23	5.843E-23	-0.10192	chr12_130700201_13070	sig	hypo
chr12	1.3E+08	1.3E+08	*	5.41E-162	6.74E-161	-0.32202	chr12_130711801_13071	sig	hypo
chr12	1.3E+08	1.3E+08	*	7.427E-25	1.245E-24	-0.1215	chr12_130712401_13071	sig	hypo
chr12	1.3E+08	1.3E+08	*	4.65E-147	4.73E-146	0.254557	chr12_130716001_13071	sig	hyper
chr12	1.3E+08	1.3E+08	*	3.276E-46	8.206E-46	0.140973	chr12_130716801_13071	sig	hyper
chr12	1.3E+08	1.3E+08	*	8.646E-28	1.547E-27	-0.18019	chr12_130761401_13076	sig	hypo
chr12	1.3E+08	1.3E+08	*	4.215E-14	5.312E-14	0.108488	chr12_130762001_13076	sig	hyper
chr12	1.3E+08	1.3E+08	*	3.247E-55	9.407E-55	0.166732	chr12_130916201_13091	sig	hyper
chr12	1.3E+08	1.3E+08	*	1.095E-40	2.504E-40	-0.14297	chr12_130918401_13091	sig	hypo
chr12	1.3E+08	1.3E+08	*	3.886E-35	8.051E-35	-0.11213	chr12_130933401_13093	sig	hypo
chr12	1.3E+08	1.3E+08	*	3.309E-20	4.956E-20	-0.1166	chr12_130933801_13093	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.02E-131	8.48E-131	0.183902	chr12_130954001_13095	sig	hyper
chr12	1.3E+08	1.3E+08	*	7.328E-25	1.229E-24	0.122328	chr12_130954601_13095	sig	hyper
chr12	1.3E+08	1.3E+08	*	1.81E-100	9.89E-100	-0.22228	chr12_130971001_13097	sig	hypo
chr12	1.3E+08	1.3E+08	*	5.1E-166	6.68E-165	-0.25006	chr12_131000001_13100	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.203E-87	5.55E-87	0.236539	chr12_131027801_13102	sig	hyper
chr12	1.3E+08	1.3E+08	*	8.311E-79	3.394E-78	-0.25468	chr12_131028801_13102	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.957E-42	4.608E-42	-0.17116	chr12_131032401_13103	sig	hypo
chr12	1.3E+08	1.3E+08	*	5.208E-20	7.758E-20	-0.1363	chr12_131033801_13103	sig	hypo
chr12	1.3E+08	1.3E+08	*	8.569E-15	1.103E-14	-0.10157	chr12_131042601_13104	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.29E-27	2.301E-27	-0.16456	chr12_131044601_13104	sig	hypo
chr12	1.3E+08	1.3E+08	*	6.356E-39	1.41E-38	-0.18517	chr12_131044801_13104	sig	hypo
chr12	1.3E+08	1.3E+08	*	6.53E-66	2.22E-65	-0.1472	chr12_131050801_13105	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.105E-70	4.016E-70	-0.21449	chr12_131057401_13105	sig	hypo
chr12	1.3E+08	1.3E+08	*	2.97E-20	4.451E-20	-0.12978	chr12_131088801_13108	sig	hypo
chr12	1.3E+08	1.3E+08	*	4.144E-38	9.07E-38	-0.18887	chr12_131095801_13109	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.155E-83	5.039E-83	-0.20599	chr12_131106001_13110	sig	hypo
chr12	1.3E+08	1.3E+08	*	5.728E-19	8.299E-19	-0.13395	chr12_131138601_13113	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.14E-125	8.73E-125	0.24138	chr12_131217001_13121	sig	hyper
chr12	1.3E+08	1.3E+08	*	4.016E-22	6.299E-22	-0.12228	chr12_131282201_13128	sig	hypo
chr12	1.3E+08	1.3E+08	*	2.183E-45	5.39E-45	0.174049	chr12_131380601_13138	sig	hyper
chr12	1.3E+08	1.3E+08	*	1.338E-18	1.919E-18	-0.10526	chr12_131474601_13147	sig	hypo
chr12	1.3E+08	1.3E+08	*	2.943E-21	4.52E-21	-0.12063	chr12_131617201_13161	sig	hypo
chr12	1.3E+08	1.3E+08	*	2.547E-27	4.518E-27	-0.10636	chr12_131617401_13161	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.391E-26	2.429E-26	0.112655	chr12_131618201_13161	sig	hyper
chr12	1.3E+08	1.3E+08	*	1.866E-13	2.302E-13	-0.10877	chr12_131662401_13166	sig	hypo
chr12	1.3E+08	1.3E+08	*	5.78E-20	8.597E-20	-0.12485	chr12_131692601_13169	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.561E-17	2.172E-17	0.101417	chr12_131827601_13182	sig	hyper
chr12	1.3E+08	1.3E+08	*	3.854E-19	5.609E-19	-0.11257	chr12_131841001_13184	sig	hypo

chr12	1.3E+08	1.3E+08	*	6.045E-23	9.69E-23	-0.11051	chr12_131844801_13184	sig	hypo
chr12	1.3E+08	1.3E+08	*	6.635E-44	1.601E-43	-0.13541	chr12_131845801_13184	sig	hypo
chr12	1.3E+08	1.3E+08	*	5.846E-15	7.568E-15	-0.11105	chr12_131848801_13184	sig	hypo
chr12	1.3E+08	1.3E+08	*	2.348E-38	5.158E-38	-0.14004	chr12_131853801_13185	sig	hypo
chr12	1.3E+08	1.3E+08	*	2.97E-40	6.748E-40	0.169174	chr12_132062001_13206	sig	hyper
chr12	1.3E+08	1.3E+08	*	7.68E-61	2.422E-60	0.20682	chr12_132062201_13206	sig	hyper
chr12	1.3E+08	1.3E+08	*	1.83E-99	9.84E-99	0.19869	chr12_132078001_13207	sig	hyper
chr12	1.3E+08	1.3E+08	*	4.436E-17	6.094E-17	-0.10658	chr12_132154401_13215	sig	hypo
chr12	1.3E+08	1.3E+08	*	7.949E-97	4.157E-96	-0.18015	chr12_132167801_13216	sig	hypo
chr12	1.3E+08	1.3E+08	*	3.597E-18	5.095E-18	0.110246	chr12_132171001_13217	sig	hyper
chr12	1.3E+08	1.3E+08	*	3.438E-88	1.6E-87	-0.18466	chr12_132173201_13217	sig	hypo
chr12	1.3E+08	1.3E+08	*	7.257E-47	1.841E-46	-0.16097	chr12_132178801_13217	sig	hypo
chr12	1.3E+08	1.3E+08	*	4.492E-74	1.712E-73	-0.24997	chr12_132179001_13217	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.838E-11	2.108E-11	-0.10786	chr12_132180801_13218	sig	hypo
chr12	1.3E+08	1.3E+08	*	9.358E-17	1.274E-16	-0.11937	chr12_132185801_13218	sig	hypo
chr12	1.3E+08	1.3E+08	*	2.082E-25	3.533E-25	-0.13533	chr12_132187001_13218	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.29E-29	2.394E-29	-0.16368	chr12_132202201_13220	sig	hypo
chr12	1.3E+08	1.3E+08	*	7.347E-31	1.398E-30	-0.1062	chr12_132207201_13220	sig	hypo
chr12	1.3E+08	1.3E+08	*	2.298E-13	2.828E-13	-0.11251	chr12_132207401_13220	sig	hypo
chr12	1.3E+08	1.3E+08	*	4.685E-16	6.247E-16	-0.10616	chr12_132207601_13220	sig	hypo
chr12	1.3E+08	1.3E+08	*	3.779E-15	4.925E-15	-0.10696	chr12_132213801_13221	sig	hypo
chr12	1.3E+08	1.3E+08	*	4.903E-20	7.309E-20	-0.17548	chr12_132215201_13221	sig	hypo
chr12	1.3E+08	1.3E+08	*	6.311E-42	1.474E-41	-0.21759	chr12_132250001_13225	sig	hypo
chr12	1.3E+08	1.3E+08	*	2.23E-161	2.76E-160	-0.26011	chr12_132261001_13226	sig	hypo
chr12	1.3E+08	1.3E+08	*	2.82E-48	7.321E-48	-0.15123	chr12_132262401_13226	sig	hypo
chr12	1.3E+08	1.3E+08	*	4.006E-36	8.446E-36	0.141569	chr12_132268801_13226	sig	hyper
chr12	1.3E+08	1.3E+08	*	2.898E-46	7.27E-46	-0.23437	chr12_132271001_13227	sig	hypo
chr12	1.3E+08	1.3E+08	*	8.35E-74	3.169E-73	-0.28871	chr12_132271601_13227	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.04E-82	4.486E-82	-0.28972	chr12_132275401_13227	sig	hypo
chr12	1.3E+08	1.3E+08	*	4.248E-37	9.14E-37	0.214762	chr12_132277401_13227	sig	hyper
chr12	1.3E+08	1.3E+08	*	1.24E-41	2.883E-41	-0.14425	chr12_132282801_13228	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.261E-35	2.636E-35	-0.13273	chr12_132285401_13228	sig	hypo
chr12	1.3E+08	1.3E+08	*	2.815E-09	2.952E-09	0.104075	chr12_132286001_13228	sig	hyper
chr12	1.3E+08	1.3E+08	*	1.5E-53	4.231E-53	0.20019	chr12_132286201_13228	sig	hyper
chr12	1.3E+08	1.3E+08	*	9.5E-255	4.05E-253	-0.33821	chr12_132287201_13228	sig	hypo
chr12	1.3E+08	1.3E+08	*	4.132E-27	7.295E-27	-0.13114	chr12_132287401_13228	sig	hypo
chr12	1.3E+08	1.3E+08	*	9.829E-31	1.865E-30	-0.11011	chr12_132287601_13228	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.72E-16	2.325E-16	-0.10231	chr12_132292601_13229	sig	hypo
chr12	1.3E+08	1.3E+08	*	2.822E-30	5.304E-30	-0.10556	chr12_132320201_13232	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.405E-68	4.951E-68	0.235024	chr12_132322801_13232	sig	hyper
chr12	1.3E+08	1.3E+08	*	1.909E-13	2.355E-13	0.103295	chr12_132323801_13232	sig	hyper
chr12	1.3E+08	1.3E+08	*	3.11E-222	8.61E-221	0.316214	chr12_132329001_13232	sig	hyper
chr12	1.3E+08	1.3E+08	*	3.619E-35	7.504E-35	-0.16416	chr12_132331801_13233	sig	hypo
chr12	1.3E+08	1.3E+08	*	2.489E-17	3.443E-17	0.104509	chr12_132336401_13233	sig	hyper
chr12	1.3E+08	1.3E+08	*	4.22E-101	2.32E-100	0.273753	chr12_132343601_13234	sig	hyper
chr12	1.3E+08	1.3E+08	*	8.077E-19	1.166E-18	-0.15382	chr12_132347801_13234	sig	hypo
chr12	1.3E+08	1.3E+08	*	2.733E-54	7.803E-54	-0.17758	chr12_132353001_13235	sig	hypo
chr12	1.3E+08	1.3E+08	*	3.685E-20	5.511E-20	-0.131	chr12_132356601_13235	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.435E-09	1.525E-09	0.105911	chr12_132367401_13236	sig	hyper
chr12	1.3E+08	1.3E+08	*	4.868E-35	1.007E-34	-0.16753	chr12_132374401_13237	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.173E-22	1.865E-22	-0.10872	chr12_132380001_13238	sig	hypo
chr12	1.3E+08	1.3E+08	*	4.458E-43	1.061E-42	-0.14855	chr12_132380201_13238	sig	hypo
chr12	1.3E+08	1.3E+08	*	2.369E-46	5.954E-46	-0.19314	chr12_132394001_13239	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.208E-30	2.288E-30	-0.12156	chr12_132397801_13239	sig	hypo
chr12	1.3E+08	1.3E+08	*	3.613E-40	8.194E-40	-0.2139	chr12_132403601_13240	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.862E-36	3.959E-36	-0.11443	chr12_132404001_13240	sig	hypo

chr12	1.3E+08	1.3E+08	*	1.458E-18	2.089E-18	0.122585	chr12_132405201_13240	sig	hyper
chr12	1.3E+08	1.3E+08	*	2.574E-37	5.56E-37	-0.21938	chr12_132407601_13240	sig	hypo
chr12	1.3E+08	1.3E+08	*	2.419E-15	3.168E-15	-0.10417	chr12_132414601_13241	sig	hypo
chr12	1.3E+08	1.3E+08	*	8.528E-26	1.462E-25	-0.14449	chr12_132423401_13242	sig	hypo
chr12	1.3E+08	1.3E+08	*	3.037E-39	6.772E-39	-0.16124	chr12_132426001_13242	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.39E-82	5.979E-82	-0.31137	chr12_132426401_13242	sig	hypo
chr12	1.3E+08	1.3E+08	*	7.962E-34	1.607E-33	-0.20759	chr12_132426801_13242	sig	hypo
chr12	1.3E+08	1.3E+08	*	4.197E-25	7.072E-25	0.150653	chr12_132429001_13242	sig	hyper
chr12	1.3E+08	1.3E+08	*	1.681E-45	4.158E-45	-0.16875	chr12_132431001_13243	sig	hypo
chr12	1.3E+08	1.3E+08	*	2.816E-27	4.989E-27	-0.16506	chr12_132431201_13243	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.381E-39	3.097E-39	0.104703	chr12_132433201_13243	sig	hyper
chr12	1.3E+08	1.3E+08	*	3.981E-74	1.518E-73	-0.21317	chr12_132434001_13243	sig	hypo
chr12	1.3E+08	1.3E+08	*	8.718E-40	1.962E-39	-0.15199	chr12_132434201_13243	sig	hypo
chr12	1.3E+08	1.3E+08	*	3.832E-10	4.175E-10	-0.10558	chr12_132439401_13243	sig	hypo
chr12	1.3E+08	1.3E+08	*	3.743E-33	7.461E-33	-0.17777	chr12_132439601_13243	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.915E-20	2.882E-20	-0.10983	chr12_132440001_13244	sig	hypo
chr12	1.3E+08	1.3E+08	*	4.66E-146	4.66E-145	-0.16186	chr12_132446001_13244	sig	hypo
chr12	1.3E+08	1.3E+08	*	5.34E-176	8.07E-175	-0.26338	chr12_132446201_13244	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.171E-39	2.63E-39	-0.1741	chr12_132452201_13245	sig	hypo
chr12	1.3E+08	1.3E+08	*	2.27E-39	5.074E-39	-0.12237	chr12_132524801_13252	sig	hypo
chr12	1.3E+08	1.3E+08	*	2.78E-18	3.949E-18	-0.10412	chr12_132558401_13255	sig	hypo
chr12	1.3E+08	1.3E+08	*	2.122E-34	4.337E-34	-0.19189	chr12_132558801_13255	sig	hypo
chr12	1.3E+08	1.3E+08	*	4.721E-44	1.142E-43	-0.17596	chr12_132559001_13255	sig	hypo
chr12	1.3E+08	1.3E+08	*	7.262E-14	9.076E-14	0.124314	chr12_132583001_13258	sig	hyper
chr12	1.3E+08	1.3E+08	*	1.78E-21	2.749E-21	-0.10721	chr12_132595801_13259	sig	hypo
chr12	1.3E+08	1.3E+08	*	3.407E-49	8.985E-49	-0.16857	chr12_132601601_13260	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.156E-22	1.839E-22	0.100033	chr12_132610201_13261	sig	hyper
chr12	1.3E+08	1.3E+08	*	4.987E-24	8.2E-24	-0.14655	chr12_132689201_13268	sig	hypo
chr12	1.3E+08	1.3E+08	*	2.226E-27	3.953E-27	-0.12188	chr12_132760401_13276	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.275E-46	3.22E-46	-0.21873	chr12_132766801_13276	sig	hypo
chr12	1.3E+08	1.3E+08	*	1.7E-216	4.45E-215	0.333609	chr12_132768601_13276	sig	hyper
chr12	1.3E+08	1.3E+08	*	1.296E-28	2.355E-28	-0.14209	chr12_132771601_13277	sig	hypo
chr12	1.3E+08	1.3E+08	*	9.582E-95	4.876E-94	0.227408	chr12_132837601_13283	sig	hyper
chr12	1.3E+08	1.3E+08	*	3.09E-250	1.24E-248	0.329552	chr12_132837801_13283	sig	hyper
chr12	1.3E+08	1.3E+08	*	4.81E-104	2.75E-103	0.153022	chr12_132887001_13288	sig	hyper
chr12	1.3E+08	1.3E+08	*	1.3E-269	6.73E-268	0.121576	chr12_132888001_13288	sig	hyper
chr12	1.3E+08	1.3E+08	*	5.78E-128	4.55E-127	0.218276	chr12_132888201_13288	sig	hyper
chr12	1.3E+08	1.3E+08	*	2.14E-105	1.25E-104	0.234315	chr12_132888601_13288	sig	hyper
chr12	1.3E+08	1.3E+08	*	0	0	0.349127	chr12_132904801_13290	sig	hyper
chr12	1.3E+08	1.3E+08	*	4.91E-232	1.54E-230	0.271228	chr12_132908001_13290	sig	hyper
chr12	1.3E+08	1.3E+08	*	2.03E-240	7.2E-239	0.232161	chr12_132908201_13290	sig	hyper
chr12	1.3E+08	1.3E+08	*	9.21E-167	1.22E-165	0.178794	chr12_132909001_13290	sig	hyper
chr12	1.3E+08	1.3E+08	*	1.331E-68	4.689E-68	0.233137	chr12_132977001_13297	sig	hyper
chr13	1.9E+07	1.9E+07	*	2.379E-29	4.389E-29	0.14652	chr13_18874801_18875	sig	hyper
chr13	1.9E+07	1.9E+07	*	2.061E-14	2.621E-14	-0.14184	chr13_18943801_18944	sig	hypo
chr13	2E+07	2E+07	*	3.327E-67	1.151E-66	0.209599	chr13_19564801_19565	sig	hyper
chr13	2E+07	2E+07	*	4.525E-69	1.607E-68	0.130696	chr13_19818201_19818	sig	hyper
chr13	2E+07	2E+07	*	2.758E-94	1.395E-93	0.141302	chr13_19818401_19818	sig	hyper
chr13	2E+07	2E+07	*	3.083E-20	4.618E-20	0.107896	chr13_20118401_20118	sig	hyper
chr13	2E+07	2E+07	*	2.33E-62	7.521E-62	0.132855	chr13_20118601_20118	sig	hyper
chr13	2E+07	2E+07	*	4.965E-45	1.219E-44	-0.15406	chr13_20129201_20129	sig	hypo
chr13	2E+07	2E+07	*	1.475E-28	2.678E-28	-0.16222	chr13_20144201_20144	sig	hypo
chr13	2E+07	2E+07	*	5.28E-27	9.298E-27	0.113118	chr13_20162201_20162	sig	hyper
chr13	2E+07	2E+07	*	8.55E-137	7.54E-136	0.260063	chr13_20177001_20177	sig	hyper
chr13	2E+07	2E+07	*	3.774E-36	7.963E-36	0.293067	chr13_20177401_20177	sig	hyper
chr13	2E+07	2E+07	*	9.037E-31	1.716E-30	0.140651	chr13_20177601_20177	sig	hyper

chr13	2E+07	2E+07	*	1.492E-52	4.137E-52	-0.12309	chr13_20192001_201922(	sig	hypo
chr13	2E+07	2E+07	*	2.293E-58	6.967E-58	0.163669	chr13_20194001_201942(	sig	hyper
chr13	2E+07	2E+07	*	2.032E-61	6.461E-61	-0.21732	chr13_20223401_202236(	sig	hypo
chr13	2E+07	2E+07	*	6.087E-20	9.046E-20	-0.18325	chr13_20298001_202982(	sig	hypo
chr13	2E+07	2E+07	*	2.54E-43	6.07E-43	0.198628	chr13_20301801_203020(	sig	hyper
chr13	2E+07	2E+07	*	1.925E-75	7.485E-75	-0.23606	chr13_20391801_203920(	sig	hypo
chr13	2E+07	2E+07	*	7.614E-55	2.194E-54	-0.11894	chr13_20415601_204158(	sig	hypo
chr13	2E+07	2E+07	*	1.6E-24	2.663E-24	-0.1214	chr13_20431201_204314(	sig	hypo
chr13	2.1E+07	2.1E+07	*	1.113E-67	3.876E-67	-0.21742	chr13_20713001_207132(	sig	hypo
chr13	2.1E+07	2.1E+07	*	1.573E-14	2.009E-14	-0.11058	chr13_20717001_207172(	sig	hypo
chr13	2.1E+07	2.1E+07	*	1.452E-28	2.637E-28	-0.10023	chr13_20717201_207174(	sig	hypo
chr13	2.1E+07	2.1E+07	*	3.476E-56	1.023E-55	-0.1982	chr13_20717801_207180(	sig	hypo
chr13	2.1E+07	2.1E+07	*	2.944E-23	4.756E-23	-0.10053	chr13_20718001_207182(	sig	hypo
chr13	2.1E+07	2.1E+07	*	3.51E-159	4.19E-158	0.211815	chr13_20946201_209464(	sig	hyper
chr13	2.1E+07	2.1E+07	*	0	0	0.436806	chr13_21319001_213192(	sig	hyper
chr13	2.1E+07	2.1E+07	*	1.28E-257	5.62E-256	0.310837	chr13_21319201_213194(	sig	hyper
chr13	2.2E+07	2.2E+07	*	8.433E-97	4.408E-96	0.2586	chr13_21668801_216690(	sig	hyper
chr13	2.2E+07	2.2E+07	*	1.013E-34	2.082E-34	-0.12086	chr13_21919601_219198(	sig	hypo
chr13	2.3E+07	2.3E+07	*	2.513E-75	9.757E-75	-0.16008	chr13_22897601_228978(	sig	hypo
chr13	2.3E+07	2.3E+07	*	3.344E-56	9.848E-56	-0.20926	chr13_22897801_228980(	sig	hypo
chr13	2.3E+07	2.3E+07	*	1.923E-86	8.728E-86	0.16311	chr13_22915801_229160(	sig	hyper
chr13	2.3E+07	2.3E+07	*	3.721E-35	7.712E-35	0.218387	chr13_22926001_229262(	sig	hyper
chr13	2.3E+07	2.3E+07	*	7.675E-92	3.744E-91	0.359574	chr13_22926201_229264(	sig	hyper
chr13	2.3E+07	2.3E+07	*	3.386E-20	5.069E-20	-0.14389	chr13_22936001_229362(	sig	hypo
chr13	2.3E+07	2.3E+07	*	1.331E-47	3.419E-47	-0.18042	chr13_23147801_231480(	sig	hypo
chr13	2.4E+07	2.4E+07	*	0	0	0.42343	chr13_23547201_235474(	sig	hyper
chr13	2.4E+07	2.4E+07	*	1.552E-47	3.982E-47	0.118338	chr13_23579801_235800(	sig	hyper
chr13	2.4E+07	2.4E+07	*	1.556E-19	2.287E-19	-0.1112	chr13_23695001_236952(	sig	hypo
chr13	2.4E+07	2.4E+07	*	2.93E-151	3.19E-150	0.190961	chr13_23945801_239460(	sig	hyper
chr13	2.4E+07	2.4E+07	*	2.62E-107	1.57E-106	0.204378	chr13_24328201_243284(	sig	hyper
chr13	2.4E+07	2.4E+07	*	2.06E-59	6.354E-59	0.151675	chr13_24328401_243286(	sig	hyper
chr13	2.5E+07	2.5E+07	*	7.35E-174	1.08E-172	-0.34145	chr13_24511001_245112(	sig	hypo
chr13	2.5E+07	2.5E+07	*	8.05E-139	7.29E-138	-0.29608	chr13_24511201_245114(	sig	hypo
chr13	2.5E+07	2.5E+07	*	4.714E-22	7.382E-22	0.127719	chr13_24638201_246384(	sig	hyper
chr13	2.5E+07	2.5E+07	*	3.566E-49	9.401E-49	0.147875	chr13_24638401_246386(	sig	hyper
chr13	2.5E+07	2.5E+07	*	5.624E-50	1.5E-49	0.127253	chr13_24747201_247474(	sig	hyper
chr13	2.5E+07	2.5E+07	*	0	0	0.288672	chr13_24932001_249322(	sig	hyper
chr13	2.5E+07	2.5E+07	*	5.7E-235	1.88E-233	0.31692	chr13_25046801_250470(	sig	hyper
chr13	2.5E+07	2.5E+07	*	2.5E-194	4.83E-193	0.303036	chr13_25095801_250960(	sig	hyper
chr13	2.5E+07	2.5E+07	*	7.14E-153	7.89E-152	0.266544	chr13_25096001_250962(	sig	hyper
chr13	2.5E+07	2.5E+07	*	2.35E-61	7.458E-61	-0.1694	chr13_25097201_250974(	sig	hypo
chr13	2.5E+07	2.5E+07	*	1.798E-25	3.056E-25	-0.10087	chr13_25097601_250978(	sig	hypo
chr13	2.5E+07	2.5E+07	*	9.77E-192	1.83E-190	0.343531	chr13_25171601_251718(	sig	hyper
chr13	2.5E+07	2.5E+07	*	2.38E-232	7.54E-231	0.346897	chr13_25171801_251720(	sig	hyper
chr13	2.5E+07	2.5E+07	*	4.83E-105	2.81E-104	0.220775	chr13_25300801_253010(	sig	hyper
chr13	2.5E+07	2.5E+07	*	4.632E-87	2.118E-86	0.27387	chr13_25301001_253012(	sig	hyper
chr13	2.5E+07	2.5E+07	*	3.144E-37	6.786E-37	0.133883	chr13_25301201_253014(	sig	hyper
chr13	2.5E+07	2.5E+07	*	3.96E-230	1.21E-228	0.419128	chr13_25372601_253728(	sig	hyper
chr13	2.6E+07	2.6E+07	*	1.657E-53	4.668E-53	0.209433	chr13_26012201_260124(	sig	hyper
chr13	2.6E+07	2.6E+07	*	1.907E-68	6.702E-68	-0.25516	chr13_26046401_260466(	sig	hypo
chr13	2.6E+07	2.6E+07	*	2.505E-68	8.794E-68	0.169014	chr13_26049601_260498(	sig	hyper
chr13	2.6E+07	2.6E+07	*	8.449E-78	3.401E-77	0.241603	chr13_26051001_260512(	sig	hyper
chr13	2.6E+07	2.6E+07	*	1E-119	7.09E-119	0.247553	chr13_26051201_260514(	sig	hyper
chr13	2.7E+07	2.7E+07	*	2.86E-107	1.72E-106	0.299975	chr13_26742801_267430(	sig	hyper
chr13	2.7E+07	2.7E+07	*	3.053E-30	5.734E-30	0.137742	chr13_26759601_267598(	sig	hyper
chr13	2.7E+07	2.7E+07	*	1.84E-213	4.62E-212	0.267572	chr13_26760001_267602(	sig	hyper

chr13	2.7E+07	2.7E+07	*	1.198E-92	5.898E-92	0.266467	chr13_26760201_267604(	sig	hyper
chr13	2.7E+07	2.7E+07	*	4.522E-31	8.638E-31	0.218548	chr13_27424001_274242(	sig	hyper
chr13	2.8E+07	2.8E+07	*	4.632E-34	9.393E-34	0.197841	chr13_27791601_277918(	sig	hyper
chr13	2.8E+07	2.8E+07	*	7.99E-187	1.4E-185	0.375753	chr13_27792601_277928(	sig	hyper
chr13	2.8E+07	2.8E+07	*	1.819E-89	8.612E-89	0.422131	chr13_27793001_277932(	sig	hyper
chr13	2.8E+07	2.8E+07	*	1.21E-171	1.72E-170	0.402591	chr13_27794801_277950(	sig	hyper
chr13	2.8E+07	2.8E+07	*	6.422E-90	3.059E-89	0.305979	chr13_27795201_277954(	sig	hyper
chr13	2.8E+07	2.8E+07	*	1.032E-29	1.918E-29	0.126404	chr13_27797001_277972(	sig	hyper
chr13	2.8E+07	2.8E+07	*	1.725E-53	4.858E-53	0.131486	chr13_27821801_278220(	sig	hyper
chr13	2.8E+07	2.8E+07	*	2.087E-54	5.968E-54	0.1983	chr13_27823201_278234(	sig	hyper
chr13	2.8E+07	2.8E+07	*	1.39E-173	2.04E-172	0.317113	chr13_27918801_279190(	sig	hyper
chr13	2.8E+07	2.8E+07	*	4.24E-136	3.7E-135	0.364408	chr13_27919201_279194(	sig	hyper
chr13	2.8E+07	2.8E+07	*	6.8E-102	3.78E-101	0.342305	chr13_27921801_279220(	sig	hyper
chr13	2.8E+07	2.8E+07	*	2.99E-216	7.79E-215	0.462267	chr13_27923201_279234(	sig	hyper
chr13	2.8E+07	2.8E+07	*	0	0	0.527718	chr13_27924201_279244(	sig	hyper
chr13	2.8E+07	2.8E+07	*	4.49E-275	2.46E-273	0.510614	chr13_27924601_279248(	sig	hyper
chr13	2.8E+07	2.8E+07	*	0	0	0.528859	chr13_27924801_279250(	sig	hyper
chr13	2.8E+07	2.8E+07	*	2.74E-239	9.52E-238	0.45821	chr13_27926601_279268(	sig	hyper
chr13	2.8E+07	2.8E+07	*	4.88E-232	1.53E-230	0.459016	chr13_27926801_279270(	sig	hyper
chr13	2.8E+07	2.8E+07	*	1.74E-289	1.13E-287	0.455655	chr13_27927001_279272(	sig	hyper
chr13	2.8E+07	2.8E+07	*	8.36E-283	4.94E-281	0.454251	chr13_27927201_279274(	sig	hyper
chr13	2.8E+07	2.8E+07	*	5.35E-296	3.79E-294	0.509306	chr13_27927601_279278(	sig	hyper
chr13	2.8E+07	2.8E+07	*	2.96E-151	3.22E-150	0.462295	chr13_27927801_279280(	sig	hyper
chr13	2.8E+07	2.8E+07	*	0	0	0.500945	chr13_27928401_279286(	sig	hyper
chr13	2.8E+07	2.8E+07	*	2.4E-114	1.59E-113	0.380371	chr13_27929201_279294(	sig	hyper
chr13	2.8E+07	2.8E+07	*	1.751E-79	7.223E-79	-0.14315	chr13_27953001_279532(	sig	hypo
chr13	2.8E+07	2.8E+07	*	1.19E-140	1.11E-139	0.168618	chr13_27970401_279706(	sig	hyper
chr13	2.8E+07	2.8E+07	*	9.068E-43	2.147E-42	-0.20902	chr13_27971401_279716(	sig	hypo
chr13	2.8E+07	2.8E+07	*	1.056E-41	2.458E-41	0.188474	chr13_27973401_279736(	sig	hyper
chr13	2.8E+07	2.8E+07	*	1.747E-92	8.578E-92	0.28043	chr13_27975601_279758(	sig	hyper
chr13	2.8E+07	2.8E+07	*	6.19E-131	5.07E-130	0.274432	chr13_27975801_279760(	sig	hyper
chr13	2.8E+07	2.8E+07	*	1.97E-165	2.57E-164	0.30972	chr13_27976001_279762(	sig	hyper
chr13	2.8E+07	2.8E+07	*	4.108E-33	8.18E-33	0.159925	chr13_27979401_279796(	sig	hyper
chr13	2.8E+07	2.8E+07	*	6.746E-20	1.001E-19	0.173484	chr13_28099401_280996(	sig	hyper
chr13	2.9E+07	2.9E+07	*	4.65E-252	1.9E-250	0.31668	chr13_28532801_285330(	sig	hyper
chr13	2.9E+07	2.9E+07	*	5.761E-20	8.57E-20	-0.12376	chr13_28755001_287552(	sig	hypo
chr13	3E+07	3E+07	*	2.829E-28	5.105E-28	-0.15093	chr13_29505601_295058(	sig	hypo
chr13	3.1E+07	3.1E+07	*	1.098E-20	1.663E-20	0.10161	chr13_30906001_309062(	sig	hyper
chr13	3.1E+07	3.1E+07	*	2.422E-52	6.688E-52	0.207418	chr13_30932601_309328(	sig	hyper
chr13	3.2E+07	3.2E+07	*	6.44E-141	6.01E-140	-0.35953	chr13_31945801_319460(	sig	hypo
chr13	3.2E+07	3.2E+07	*	4.647E-19	6.751E-19	0.143485	chr13_32410001_324102(	sig	hyper
chr13	3.5E+07	3.5E+07	*	3.936E-98	2.094E-97	0.180141	chr13_35470601_354708(	sig	hyper
chr13	3.5E+07	3.5E+07	*	1.071E-80	4.482E-80	0.172152	chr13_35471001_354712(	sig	hyper
chr13	3.5E+07	3.5E+07	*	3.501E-08	3.489E-08	0.10913	chr13_35478601_354788(	sig	hyper
chr13	3.6E+07	3.6E+07	*	6.233E-49	1.636E-48	0.225228	chr13_35699201_356994(	sig	hyper
chr13	3.6E+07	3.6E+07	*	1.647E-15	2.168E-15	-0.13132	chr13_36126001_361262(	sig	hypo
chr13	3.6E+07	3.6E+07	*	3.48E-103	1.96E-102	0.239962	chr13_36130601_361308(	sig	hyper
chr13	3.6E+07	3.6E+07	*	1.42E-122	1.04E-121	0.298459	chr13_36130801_361310(	sig	hyper
chr13	3.6E+07	3.6E+07	*	2.17E-274	1.18E-272	0.404037	chr13_36154801_361550(	sig	hyper
chr13	3.6E+07	3.6E+07	*	6.19E-188	1.1E-186	0.348883	chr13_36155001_361552(	sig	hyper
chr13	3.6E+07	3.6E+07	*	6.746E-40	1.521E-39	-0.14482	chr13_36213601_362138(	sig	hypo
chr13	3.6E+07	3.6E+07	*	1.792E-25	3.047E-25	-0.10776	chr13_36213801_362140(	sig	hypo
chr13	3.6E+07	3.6E+07	*	2.23E-146	2.24E-145	0.23918	chr13_36297401_362976(	sig	hyper
chr13	3.6E+07	3.6E+07	*	5.03E-205	1.12E-203	0.289442	chr13_36297601_362978(	sig	hyper
chr13	3.6E+07	3.6E+07	*	6.07E-235	2E-233	0.277522	chr13_36297801_362980(	sig	hyper
chr13	3.6E+07	3.6E+07	*	9.34E-158	1.1E-156	0.258579	chr13_36298001_362982(	sig	hyper

chr13	3.6E+07	3.6E+07	*	1.206E-49	3.201E-49	0.208088	chr13_36345201_363454(	sig	hyper
chr13	3.6E+07	3.6E+07	*	7.58E-138	6.79E-137	0.396075	chr13_36345801_363460(	sig	hyper
chr13	3.6E+07	3.6E+07	*	2.17E-160	2.64E-159	0.203925	chr13_36346401_363466(	sig	hyper
chr13	3.6E+07	3.6E+07	*	1.8E-125	1.37E-124	0.196214	chr13_36346601_363468(	sig	hyper
chr13	3.6E+07	3.6E+07	*	7.89E-167	1.05E-165	0.266295	chr13_36430401_364306(	sig	hyper
chr13	3.6E+07	3.6E+07	*	1.84E-167	2.46E-166	0.307014	chr13_36430601_364308(	sig	hyper
chr13	3.6E+07	3.6E+07	*	3.59E-120	2.55E-119	0.245365	chr13_36430801_364310(	sig	hyper
chr13	3.6E+07	3.6E+07	*	8.308E-83	3.586E-82	0.302087	chr13_36431801_364320(	sig	hyper
chr13	3.6E+07	3.6E+07	*	1.95E-276	1.08E-274	0.257318	chr13_36432001_364322(	sig	hyper
chr13	3.6E+07	3.6E+07	*	4.97E-172	7.11E-171	0.258574	chr13_36432201_364324(	sig	hyper
chr13	3.7E+07	3.7E+07	*	5.071E-70	1.826E-69	0.197663	chr13_36673401_366736(	sig	hyper
chr13	3.7E+07	3.7E+07	*	6.23E-287	3.9E-285	0.340226	chr13_36674001_366742(	sig	hyper
chr13	3.7E+07	3.7E+07	*	3.5E-177	5.33E-176	0.305577	chr13_36674201_366744(	sig	hyper
chr13	3.7E+07	3.7E+07	*	3.28E-161	4.04E-160	0.266976	chr13_36674601_366748(	sig	hyper
chr13	3.7E+07	3.7E+07	*	4.01E-117	2.75E-116	0.305215	chr13_36674801_366750(	sig	hyper
chr13	3.7E+07	3.7E+07	*	6.096E-30	1.138E-29	-0.13679	chr13_37105001_371052(	sig	hypo
chr13	3.7E+07	3.7E+07	*	1.015E-50	2.735E-50	-0.17353	chr13_37105201_371054(	sig	hypo
chr13	3.7E+07	3.7E+07	*	1.501E-29	2.78E-29	-0.10372	chr13_37105601_371058(	sig	hypo
chr13	3.8E+07	3.8E+07	*	1.51E-164	1.95E-163	0.373057	chr13_37869401_378696(	sig	hyper
chr13	3.8E+07	3.8E+07	*	2.26E-170	3.17E-169	0.320794	chr13_37869601_378698(	sig	hyper
chr13	3.8E+07	3.8E+07	*	3.76E-187	6.64E-186	0.311079	chr13_37869801_378700(	sig	hyper
chr13	3.9E+07	3.9E+07	*	4.246E-53	1.189E-52	0.125072	chr13_38687201_386874(	sig	hyper
chr13	3.9E+07	3.9E+07	*	1.68E-161	2.08E-160	0.188215	chr13_38687601_386878(	sig	hyper
chr13	3.9E+07	3.9E+07	*	7.76E-211	1.87E-209	0.306207	chr13_38688001_386882(	sig	hyper
chr13	4E+07	4E+07	*	3.442E-46	8.617E-46	-0.2096	chr13_40173001_401732(	sig	hypo
chr13	4E+07	4E+07	*	3.06E-108	1.86E-107	-0.30539	chr13_40188001_401882(	sig	hypo
chr13	4.1E+07	4.1E+07	*	2.973E-32	5.815E-32	-0.15504	chr13_40922001_409222(	sig	hypo
chr13	4.1E+07	4.1E+07	*	1.645E-98	8.779E-98	-0.25753	chr13_40922601_409228(	sig	hypo
chr13	4.1E+07	4.1E+07	*	1.074E-88	5.047E-88	-0.17819	chr13_41455801_414560(	sig	hypo
chr13	4.3E+07	4.3E+07	*	3.69E-234	1.2E-232	0.27656	chr13_42574001_425742(	sig	hyper
chr13	4.3E+07	4.3E+07	*	3.218E-65	1.084E-64	0.173841	chr13_42574801_425750(	sig	hyper
chr13	4.3E+07	4.3E+07	*	1.639E-67	5.696E-67	0.196288	chr13_42575001_425752(	sig	hyper
chr13	4.4E+07	4.4E+07	*	9.179E-26	1.573E-25	-0.12175	chr13_43968601_439688(	sig	hypo
chr13	4.4E+07	4.4E+07	*	2.47E-115	1.67E-114	0.139545	chr13_44373601_443738(	sig	hyper
chr13	4.6E+07	4.6E+07	*	1.257E-86	5.716E-86	-0.21095	chr13_45713601_457138(	sig	hypo
chr13	4.6E+07	4.6E+07	*	6.639E-98	3.522E-97	-0.26009	chr13_45714201_457144(	sig	hypo
chr13	4.6E+07	4.6E+07	*	5.509E-81	2.315E-80	0.240477	chr13_45851401_458516(	sig	hyper
chr13	4.7E+07	4.7E+07	*	3.219E-32	6.29E-32	-0.12159	chr13_46898001_468982(	sig	hypo
chr13	4.9E+07	4.9E+07	*	2.01E-45	4.965E-45	-0.14466	chr13_48502801_485030(	sig	hypo
chr13	4.9E+07	4.9E+07	*	1.138E-46	2.876E-46	0.194891	chr13_49218601_492188(	sig	hyper
chr13	4.9E+07	4.9E+07	*	2.687E-37	5.803E-37	0.125506	chr13_49219801_492200(	sig	hyper
chr13	5E+07	5E+07	*	7.572E-53	2.111E-52	0.273224	chr13_50127401_501276(	sig	hyper
chr13	5E+07	5E+07	*	2.303E-86	1.043E-85	0.264094	chr13_50127801_501280(	sig	hyper
chr13	5E+07	5E+07	*	1.75E-118	1.22E-117	0.290044	chr13_50132401_501326(	sig	hyper
chr13	5E+07	5E+07	*	1.194E-60	3.755E-60	0.209438	chr13_50132601_501328(	sig	hyper
chr13	5E+07	5E+07	*	2.558E-37	5.526E-37	0.16921	chr13_50132801_501330(	sig	hyper
chr13	5E+07	5E+07	*	3.122E-55	9.049E-55	0.164922	chr13_50133201_501334(	sig	hyper
chr13	5.1E+07	5.1E+07	*	9.66E-128	7.61E-127	0.292044	chr13_50843801_508440(	sig	hyper
chr13	5.1E+07	5.1E+07	*	2.875E-31	5.513E-31	-0.17393	chr13_51066801_510670(	sig	hypo
chr13	5.2E+07	5.2E+07	*	4.105E-63	1.339E-62	0.218947	chr13_51786001_517862(	sig	hyper
chr13	5.2E+07	5.2E+07	*	1.354E-65	4.586E-65	0.168299	chr13_52129401_521296(	sig	hyper
chr13	5.2E+07	5.2E+07	*	7.895E-32	1.531E-31	0.117574	chr13_52195401_521956(	sig	hyper
chr13	5.2E+07	5.2E+07	*	1.401E-12	1.677E-12	0.103045	chr13_52405401_524056(	sig	hyper
chr13	5.2E+07	5.2E+07	*	2.025E-61	6.439E-61	0.146427	chr13_52405601_524058(	sig	hyper
chr13	5.3E+07	5.3E+07	*	1.13E-16	1.535E-16	0.120678	chr13_52600401_526006(	sig	hyper
chr13	5.3E+07	5.3E+07	*	2.83E-186	4.91E-185	0.331589	chr13_52739601_527398(	sig	hyper

chr13	5.3E+07	5.3E+07	*	6.842E-49	1.795E-48	0.259132	chr13_52739801_527400(	sig	hyper
chr13	5.3E+07	5.3E+07	*	1.691E-30	3.193E-30	-0.15379	chr13_52826401_528266(	sig	hypo
chr13	5.3E+07	5.3E+07	*	6.7E-198	1.37E-196	0.360537	chr13_52845401_528456(	sig	hyper
chr13	5.3E+07	5.3E+07	*	7.45E-177	1.13E-175	0.285227	chr13_52847401_528476(	sig	hyper
chr13	5.3E+07	5.3E+07	*	6.53E-140	6.01E-139	0.301148	chr13_52848001_528482(	sig	hyper
chr13	5.3E+07	5.3E+07	*	4.05E-239	1.4E-237	0.294632	chr13_52848201_528484(	sig	hyper
chr13	5.3E+07	5.3E+07	*	1.01E-140	9.43E-140	0.280608	chr13_52848401_528486(	sig	hyper
chr13	5.3E+07	5.3E+07	*	0	0	0.264324	chr13_52848601_528488(	sig	hyper
chr13	5.3E+07	5.3E+07	*	0	0	0.36295	chr13_52849801_528500(	sig	hyper
chr13	5.3E+07	5.3E+07	*	1.19E-159	1.43E-158	0.326409	chr13_53200801_532010(	sig	hyper
chr13	5.3E+07	5.3E+07	*	1.38E-196	2.77E-195	0.347826	chr13_53202001_532022(	sig	hyper
chr13	5.5E+07	5.5E+07	*	4.66E-102	2.6E-101	-0.18348	chr13_54799801_548000(	sig	hypo
chr13	5.8E+07	5.8E+07	*	8.2E-307	6.55E-305	0.338209	chr13_57629401_576296(	sig	hyper
chr13	5.8E+07	5.8E+07	*	0	0	0.335614	chr13_57629801_576300(	sig	hyper
chr13	5.8E+07	5.8E+07	*	6.76E-209	1.59E-207	0.275092	chr13_57630801_576310(	sig	hyper
chr13	5.8E+07	5.8E+07	*	1.5E-145	1.49E-144	0.346186	chr13_57631801_576320(	sig	hyper
chr13	5.8E+07	5.8E+07	*	1.494E-87	6.881E-87	0.340915	chr13_57632801_576330(	sig	hyper
chr13	6.1E+07	6.1E+07	*	1.608E-61	5.125E-61	0.108667	chr13_61415001_614152(	sig	hyper
chr13	6.5E+07	6.5E+07	*	4.161E-47	1.06E-46	-0.193	chr13_64925801_649260(	sig	hypo
chr13	6.5E+07	6.5E+07	*	1.296E-37	2.816E-37	-0.11915	chr13_64958001_649582(	sig	hypo
chr13	6.5E+07	6.5E+07	*	1.078E-39	2.423E-39	-0.14622	chr13_64958201_649584(	sig	hypo
chr13	6.6E+07	6.6E+07	*	3.863E-80	1.609E-79	-0.22895	chr13_66009401_660096(	sig	hypo
chr13	6.7E+07	6.7E+07	*	1.91E-118	1.33E-117	0.203291	chr13_67230201_672304(	sig	hyper
chr13	6.7E+07	6.7E+07	*	2.973E-94	1.503E-93	0.171487	chr13_67230801_672310(	sig	hyper
chr13	6.8E+07	6.8E+07	*	4.445E-75	1.719E-74	-0.24875	chr13_67773001_677732(	sig	hypo
chr13	7E+07	7E+07	*	4.08E-170	5.67E-169	0.443461	chr13_70107601_701078(	sig	hyper
chr13	7E+07	7E+07	*	1.57E-151	1.72E-150	0.379523	chr13_70107801_701080(	sig	hyper
chr13	7E+07	7E+07	*	1.053E-60	3.317E-60	0.280566	chr13_70108201_701084(	sig	hyper
chr13	7.1E+07	7.1E+07	*	9.209E-23	1.468E-22	-0.13048	chr13_70924201_709244(	sig	hypo
chr13	7.7E+07	7.7E+07	*	1.073E-87	4.958E-87	0.205228	chr13_76887001_768872(	sig	hyper
chr13	7.8E+07	7.8E+07	*	2.724E-61	8.638E-61	-0.16491	chr13_77662401_776626(	sig	hypo
chr13	7.8E+07	7.8E+07	*	6.1E-113	3.97E-112	0.292861	chr13_77918401_779186(	sig	hyper
chr13	7.8E+07	7.8E+07	*	9.317E-90	4.428E-89	0.298362	chr13_77918601_779188(	sig	hyper
chr13	7.8E+07	7.8E+07	*	5.84E-173	8.46E-172	0.315727	chr13_77918801_779190(	sig	hyper
chr13	7.8E+07	7.8E+07	*	1.73E-141	1.62E-140	0.311915	chr13_77919001_779192(	sig	hyper
chr13	7.8E+07	7.8E+07	*	0	0	0.281034	chr13_77919401_779196(	sig	hyper
chr13	7.9E+07	7.9E+07	*	2.98E-239	1.03E-237	0.333114	chr13_78586801_785870(	sig	hyper
chr13	7.9E+07	7.9E+07	*	2.855E-86	1.291E-85	0.235884	chr13_78594201_785944(	sig	hyper
chr13	7.9E+07	7.9E+07	*	1.03E-113	6.78E-113	0.282143	chr13_78594401_785946(	sig	hyper
chr13	7.9E+07	7.9E+07	*	1.739E-66	5.96E-66	0.229704	chr13_78595401_785956(	sig	hyper
chr13	7.9E+07	7.9E+07	*	1.67E-194	3.25E-193	0.313142	chr13_78595601_785958(	sig	hyper
chr13	7.9E+07	7.9E+07	*	1.615E-62	5.224E-62	0.227388	chr13_78595801_785960(	sig	hyper
chr13	7.9E+07	7.9E+07	*	0	0	0.276162	chr13_78596801_785970(	sig	hyper
chr13	7.9E+07	7.9E+07	*	7.83E-127	6.08E-126	0.27055	chr13_78597001_785972(	sig	hyper
chr13	7.9E+07	7.9E+07	*	4.977E-82	2.124E-81	0.170652	chr13_78601401_786016(	sig	hyper
chr13	7.9E+07	7.9E+07	*	7.966E-54	2.258E-53	0.220977	chr13_78607001_786072(	sig	hyper
chr13	7.9E+07	7.9E+07	*	1.923E-90	9.227E-90	0.27724	chr13_78607201_786074(	sig	hyper
chr13	7.9E+07	7.9E+07	*	1.18E-122	8.68E-122	0.293498	chr13_78607401_786076(	sig	hyper
chr13	7.9E+07	7.9E+07	*	0	0	0.357354	chr13_78607801_786080(	sig	hyper
chr13	7.9E+07	7.9E+07	*	1.34E-124	1.01E-123	0.33326	chr13_78608001_786082(	sig	hyper
chr13	8.2E+07	8.2E+07	*	1.434E-18	2.055E-18	-0.10785	chr13_82165001_821652(	sig	hypo
chr13	8.4E+07	8.4E+07	*	1.42E-103	8.03E-103	0.263089	chr13_83879401_838796(	sig	hyper
chr13	8.4E+07	8.4E+07	*	7.72E-134	6.58E-133	0.338232	chr13_83879601_838798(	sig	hyper
chr13	8.4E+07	8.4E+07	*	3.92E-71	1.435E-70	0.217477	chr13_83881401_838816(	sig	hyper
chr13	8.4E+07	8.4E+07	*	3.29E-142	3.13E-141	-0.25882	chr13_83906601_839068(	sig	hypo
chr13	8.8E+07	8.8E+07	*	4.64E-90	2.213E-89	0.115314	chr13_87671201_876714(	sig	hyper

chr13	8.8E+07	8.8E+07	*	1.938E-68	6.812E-68	0.283523	chr13_87671801_876720(	sig	hyper
chr13	8.8E+07	8.8E+07	*	1.658E-87	7.63E-87	0.259548	chr13_87674201_876744(	sig	hyper
chr13	8.8E+07	8.8E+07	*	3.1E-278	1.76E-276	0.316573	chr13_87674401_876746(	sig	hyper
chr13	8.8E+07	8.8E+07	*	7.17E-146	7.16E-145	0.311813	chr13_87674601_876748(	sig	hyper
chr13	8.8E+07	8.8E+07	*	1.12E-136	9.9E-136	0.297721	chr13_87677401_876776(	sig	hyper
chr13	8.8E+07	8.8E+07	*	6.745E-64	2.233E-63	0.181415	chr13_87678201_876784(	sig	hyper
chr13	9.1E+07	9.1E+07	*	2.976E-70	1.075E-69	0.158276	chr13_91399001_913992(	sig	hyper
chr13	9.3E+07	9.3E+07	*	0	0	0.400402	chr13_93227001_932272(	sig	hyper
chr13	9.3E+07	9.3E+07	*	3.7E-211	9.02E-210	0.338782	chr13_93227201_932274(	sig	hyper
chr13	9.3E+07	9.3E+07	*	3.55E-200	7.54E-199	0.46381	chr13_93228201_932284(	sig	hyper
chr13	9.3E+07	9.3E+07	*	3.59E-256	1.55E-254	0.387541	chr13_93228401_932286(	sig	hyper
chr13	9.3E+07	9.3E+07	*	1.17E-184	1.99E-183	0.261311	chr13_93228601_932288(	sig	hyper
chr13	9.5E+07	9.5E+07	*	1.105E-39	2.481E-39	0.163963	chr13_94601401_946016(	sig	hyper
chr13	9.5E+07	9.5E+07	*	3.127E-81	1.318E-80	0.343042	chr13_94703801_947040(	sig	hyper
chr13	9.5E+07	9.5E+07	*	1.674E-81	7.084E-81	0.292393	chr13_94704801_947050(	sig	hyper
chr13	9.5E+07	9.5E+07	*	2.37E-194	4.6E-193	0.331366	chr13_94705401_947056(	sig	hyper
chr13	9.5E+07	9.5E+07	*	1.151E-16	1.563E-16	0.100894	chr13_94705801_947060(	sig	hyper
chr13	9.5E+07	9.5E+07	*	4.812E-78	1.943E-77	0.24091	chr13_94706801_947070(	sig	hyper
chr13	9.5E+07	9.5E+07	*	2.27E-160	2.77E-159	0.228436	chr13_94707401_947076(	sig	hyper
chr13	9.5E+07	9.5E+07	*	5.125E-76	2.009E-75	0.320338	chr13_94707601_947078(	sig	hyper
chr13	9.5E+07	9.5E+07	*	1.362E-70	4.939E-70	0.243477	chr13_94708001_947082(	sig	hyper
chr13	9.5E+07	9.5E+07	*	6.246E-88	2.896E-87	0.254496	chr13_94711801_947120(	sig	hyper
chr13	9.5E+07	9.5E+07	*	2.14E-189	3.89E-188	0.247448	chr13_94712201_947124(	sig	hyper
chr13	9.5E+07	9.5E+07	*	9.474E-52	2.594E-51	0.115226	chr13_94712601_947128(	sig	hyper
chr13	9.5E+07	9.5E+07	*	1.04E-156	1.21E-155	0.34925	chr13_94968601_949688(	sig	hyper
chr13	9.6E+07	9.6E+07	*	4.54E-147	4.62E-146	0.409242	chr13_95552801_955530(	sig	hyper
chr13	9.6E+07	9.6E+07	*	2.899E-59	8.921E-59	0.175914	chr13_95644601_956448(	sig	hyper
chr13	9.6E+07	9.6E+07	*	1.327E-92	6.524E-92	0.240266	chr13_95645001_956452(	sig	hyper
chr13	9.6E+07	9.6E+07	*	1.151E-57	3.467E-57	0.126665	chr13_96091401_960916(	sig	hyper
chr13	9.6E+07	9.6E+07	*	4.32E-116	2.93E-115	0.223245	chr13_96091801_960920(	sig	hyper
chr13	9.8E+07	9.8E+07	*	5.707E-31	1.088E-30	-0.12771	chr13_98142201_981424(	sig	hypo
chr13	9.8E+07	9.8E+07	*	1.368E-18	1.962E-18	-0.12259	chr13_98350001_983502(	sig	hypo
chr13	9.8E+07	9.8E+07	*	1.978E-26	3.443E-26	-0.12517	chr13_98444001_984442(	sig	hypo
chr13	9.9E+07	9.9E+07	*	8.38E-150	8.91E-149	-0.29758	chr13_98571001_985712(	sig	hypo
chr13	9.9E+07	9.9E+07	*	1.354E-39	3.037E-39	-0.17026	chr13_98578001_985782(	sig	hypo
chr13	9.9E+07	9.9E+07	*	3.972E-25	6.697E-25	-0.12117	chr13_98748801_987490(	sig	hypo
chr13	9.9E+07	9.9E+07	*	3.053E-48	7.92E-48	-0.16089	chr13_99416801_994170(	sig	hypo
chr13	1E+08	1E+08	*	1.76E-29	3.254E-29	-0.15848	chr13_99655801_996560(	sig	hypo
chr13	1E+08	1E+08	*	1.46E-112	9.47E-112	0.227885	chr13_99657801_996580(	sig	hyper
chr13	1E+08	1E+08	*	3.292E-63	1.076E-62	0.224435	chr13_99658001_996582(	sig	hyper
chr13	1E+08	1E+08	*	9.621E-23	1.533E-22	0.170491	chr13_99955401_999556(	sig	hyper
chr13	1E+08	1E+08	*	3.028E-44	7.348E-44	0.177415	chr13_99955601_999558(	sig	hyper
chr13	1E+08	1E+08	*	5.626E-22	8.799E-22	0.110096	chr13_99957601_999578(	sig	hyper
chr13	1E+08	1E+08	*	8.596E-73	3.21E-72	0.278261	chr13_99958601_999588(	sig	hyper
chr13	1E+08	1E+08	*	1.458E-43	3.496E-43	0.119553	chr13_99969001_999692(	sig	hyper
chr13	1E+08	1E+08	*	7.57E-216	1.96E-214	0.291308	chr13_99971801_999720(	sig	hyper
chr13	1E+08	1E+08	*	1.48E-172	2.14E-171	0.333339	chr13_99972001_999722(	sig	hyper
chr13	1E+08	1E+08	*	1.762E-41	4.084E-41	0.173561	chr13_99972601_999728(	sig	hyper
chr13	1E+08	1E+08	*	1.856E-21	2.865E-21	0.11833	chr13_99974601_999748(	sig	hyper
chr13	1E+08	1E+08	*	9.816E-82	4.169E-81	0.244544	chr13_99975001_999752(	sig	hyper
chr13	1E+08	1E+08	*	1.253E-51	3.425E-51	0.244843	chr13_99978001_999782(	sig	hyper
chr13	1E+08	1E+08	*	2.115E-19	3.1E-19	0.127752	chr13_99978201_999784(	sig	hyper
chr13	1E+08	1E+08	*	1.526E-42	3.602E-42	0.135059	chr13_99983601_999838(	sig	hyper
chr13	1E+08	1E+08	*	2.378E-42	5.591E-42	0.220701	chr13_99988601_999888(	sig	hyper
chr13	1E+08	1E+08	*	5.79E-283	3.43E-281	0.229337	chr13_99989001_999892(	sig	hyper
chr13	1E+08	1E+08	*	5.832E-80	2.423E-79	0.273483	chr13_99989201_999894(	sig	hyper

chr13	1E+08	1E+08	*	1.764E-54	5.051E-54	0.176383	chr13_99989401_999896(	sig	hyper
chr13	1E+08	1E+08	*	6.062E-54	1.722E-53	0.120171	chr13_99989601_999898(	sig	hyper
chr13	1E+08	1E+08	*	1.207E-33	2.425E-33	0.131062	chr13_99990401_999906(	sig	hyper
chr13	1E+08	1E+08	*	1.166E-25	1.992E-25	0.107424	chr13_99990601_999908(	sig	hyper
chr13	1E+08	1E+08	*	1.15E-118	8.06E-118	0.177727	chr13_99991801_999920(	sig	hyper
chr13	1E+08	1E+08	*	6.074E-51	1.64E-50	0.264264	chr13_99997401_999976(	sig	hyper
chr13	1E+08	1E+08	*	0	0	0.351401	chr13_101416601_10141(	sig	hyper
chr13	1E+08	1E+08	*	0	0	0.375813	chr13_101416801_10141	sig	hyper
chr13	1E+08	1E+08	*	4.592E-54	1.307E-53	-0.15119	chr13_101452601_10145	sig	hypo
chr13	1E+08	1E+08	*	3.56E-159	4.25E-158	0.348534	chr13_101916401_10191(	sig	hyper
chr13	1E+08	1E+08	*	0	0	0.28987	chr13_101917401_10191	sig	hyper
chr13	1E+08	1E+08	*	0	1.58E-306	0.373346	chr13_101919801_10192(	sig	hyper
chr13	1E+08	1E+08	*	2.31E-107	1.39E-106	0.113754	chr13_102394401_10239	sig	hyper
chr13	1E+08	1E+08	*	1.5E-143	1.45E-142	0.221541	chr13_102394801_10239	sig	hyper
chr13	1E+08	1E+08	*	2.31E-240	8.2E-239	0.327589	chr13_102400401_10240(	sig	hyper
chr13	1E+08	1E+08	*	3.24E-228	9.67E-227	0.258971	chr13_102401001_10240	sig	hyper
chr13	1.1E+08	1.1E+08	*	9.52E-134	8.1E-133	-0.29231	chr13_106530601_10653(	sig	hypo
chr13	1.1E+08	1.1E+08	*	7.144E-29	1.305E-28	-0.14341	chr13_106917001_10691	sig	hypo
chr13	1.1E+08	1.1E+08	*	2.041E-82	8.76E-82	0.327491	chr13_107866001_10786(	sig	hyper
chr13	1.1E+08	1.1E+08	*	3.9E-106	2.3E-105	0.284102	chr13_107866401_10786(	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.16E-183	1.92E-182	0.214983	chr13_107867801_10786	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.74E-179	2.75E-178	0.211119	chr13_107868001_10786	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.54E-198	3.19E-197	0.306641	chr13_107868201_10786	sig	hyper
chr13	1.1E+08	1.1E+08	*	6.91E-293	4.67E-291	0.346526	chr13_107868601_10786	sig	hyper
chr13	1.1E+08	1.1E+08	*	3.76E-205	8.37E-204	0.312434	chr13_108214601_10821	sig	hyper
chr13	1.1E+08	1.1E+08	*	7.39E-129	5.88E-128	0.386755	chr13_108496601_10849(	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.753E-24	2.914E-24	0.129356	chr13_109744401_10974	sig	hyper
chr13	1.1E+08	1.1E+08	*	2E-194	3.89E-193	-0.41716	chr13_109773401_10977	sig	hypo
chr13	1.1E+08	1.1E+08	*	6.55E-126	5.03E-125	-0.54187	chr13_109782001_10978	sig	hypo
chr13	1.1E+08	1.1E+08	*	2.285E-33	4.572E-33	0.164077	chr13_109869801_10987(	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.937E-21	2.988E-21	-0.11492	chr13_110116001_11011(	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.28E-156	1.48E-155	-0.21644	chr13_110129201_11012	sig	hypo
chr13	1.1E+08	1.1E+08	*	2.799E-15	3.659E-15	-0.10969	chr13_110265401_11026	sig	hypo
chr13	1.1E+08	1.1E+08	*	2.28E-154	2.56E-153	0.388529	chr13_110306601_11030(	sig	hyper
chr13	1.1E+08	1.1E+08	*	8.03E-268	4.07E-266	0.322961	chr13_110308001_11030	sig	hyper
chr13	1.1E+08	1.1E+08	*	3.931E-31	7.518E-31	0.111815	chr13_110309201_11030	sig	hyper
chr13	1.1E+08	1.1E+08	*	2.14E-121	1.54E-120	0.33122	chr13_110309401_11030	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.702E-78	6.914E-78	-0.28489	chr13_110325601_11032	sig	hypo
chr13	1.1E+08	1.1E+08	*	3.23E-101	1.78E-100	0.294922	chr13_110341201_11034	sig	hyper
chr13	1.1E+08	1.1E+08	*	2.73E-103	1.54E-102	0.25269	chr13_110388201_11038	sig	hyper
chr13	1.1E+08	1.1E+08	*	4.066E-45	9.995E-45	-0.18438	chr13_110424801_11042	sig	hypo
chr13	1.1E+08	1.1E+08	*	8.151E-77	3.237E-76	-0.25956	chr13_110434801_11043	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.216E-33	2.444E-33	-0.13163	chr13_110436801_11043	sig	hypo
chr13	1.1E+08	1.1E+08	*	3.709E-39	8.265E-39	-0.13266	chr13_110438201_11043	sig	hypo
chr13	1.1E+08	1.1E+08	*	5.72E-203	1.25E-201	-0.39046	chr13_110506401_11050(	sig	hypo
chr13	1.1E+08	1.1E+08	*	2.58E-117	1.77E-116	-0.31104	chr13_110506601_11050(	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.15E-187	2.04E-186	-0.3549	chr13_110508001_11050	sig	hypo
chr13	1.1E+08	1.1E+08	*	4.597E-77	1.831E-76	-0.2654	chr13_110562801_11056	sig	hypo
chr13	1.1E+08	1.1E+08	*	7.88E-227	2.32E-225	0.261986	chr13_110628601_11062	sig	hyper
chr13	1.1E+08	1.1E+08	*	3.57E-84	1.568E-83	0.220213	chr13_110645001_11064	sig	hyper
chr13	1.1E+08	1.1E+08	*	5.325E-23	8.549E-23	0.111326	chr13_110799601_11079	sig	hyper
chr13	1.1E+08	1.1E+08	*	9.32E-84	4.072E-83	-0.33673	chr13_110869601_11086	sig	hypo
chr13	1.1E+08	1.1E+08	*	3.666E-25	6.186E-25	-0.18401	chr13_110954801_11095	sig	hypo
chr13	1.1E+08	1.1E+08	*	8.222E-16	1.091E-15	-0.10705	chr13_111030401_11103(	sig	hypo
chr13	1.1E+08	1.1E+08	*	6.367E-91	3.077E-90	-0.2593	chr13_111052001_11105	sig	hypo
chr13	1.1E+08	1.1E+08	*	3.267E-24	5.392E-24	0.107036	chr13_111066601_11106(	sig	hyper

chr13	1.1E+08	1.1E+08	*	4.941E-33	9.819E-33	-0.13068	chr13_111095601_11109	sig	hypo
chr13	1.1E+08	1.1E+08	*	5.859E-19	8.487E-19	-0.13267	chr13_111113801_11111	sig	hypo
chr13	1.1E+08	1.1E+08	*	3.203E-59	9.851E-59	0.120301	chr13_111115601_11111	sig	hyper
chr13	1.1E+08	1.1E+08	*	8.56E-122	6.21E-121	0.149311	chr13_111116001_11111	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.031E-56	3.057E-56	-0.20743	chr13_111121401_11112	sig	hypo
chr13	1.1E+08	1.1E+08	*	3.401E-57	1.017E-56	0.134217	chr13_111283001_11128	sig	hyper
chr13	1.1E+08	1.1E+08	*	2.775E-24	4.587E-24	0.119268	chr13_111283601_11128	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.251E-16	1.698E-16	-0.10412	chr13_111319401_11131	sig	hypo
chr13	1.1E+08	1.1E+08	*	7.985E-39	1.768E-38	-0.1678	chr13_111320601_11132	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.561E-67	5.426E-67	-0.23122	chr13_111326601_11132	sig	hypo
chr13	1.1E+08	1.1E+08	*	3.107E-85	1.386E-84	-0.28792	chr13_111410201_11141	sig	hypo
chr13	1.1E+08	1.1E+08	*	0	0	-0.55377	chr13_111423601_11142	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.449E-30	2.741E-30	-0.12484	chr13_111458801_11145	sig	hypo
chr13	1.1E+08	1.1E+08	*	3.265E-49	8.613E-49	-0.20726	chr13_111512401_11151	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.069E-25	1.828E-25	-0.11571	chr13_111514801_11151	sig	hypo
chr13	1.1E+08	1.1E+08	*	9.925E-64	3.275E-63	0.261153	chr13_111534801_11153	sig	hyper
chr13	1.1E+08	1.1E+08	*	4.263E-44	1.032E-43	-0.18236	chr13_111548201_11154	sig	hypo
chr13	1.1E+08	1.1E+08	*	4.135E-33	8.232E-33	-0.13436	chr13_111558801_11155	sig	hypo
chr13	1.1E+08	1.1E+08	*	7.047E-61	2.223E-60	0.178921	chr13_111630001_11163	sig	hyper
chr13	1.1E+08	1.1E+08	*	4.406E-73	1.653E-72	-0.25148	chr13_111640201_11164	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.277E-61	4.082E-61	-0.22281	chr13_111857401_11185	sig	hypo
chr13	1.1E+08	1.1E+08	*	8.13E-194	1.56E-192	0.352611	chr13_111893001_11189	sig	hyper
chr13	1.1E+08	1.1E+08	*	7.66E-145	7.53E-144	0.325483	chr13_111893201_11189	sig	hyper
chr13	1.1E+08	1.1E+08	*	2.379E-41	5.503E-41	0.226384	chr13_111893401_11189	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.29E-211	3.16E-210	0.317751	chr13_111893601_11189	sig	hyper
chr13	1.1E+08	1.1E+08	*	2.558E-58	7.762E-58	-0.17437	chr13_111896001_11189	sig	hypo
chr13	1.1E+08	1.1E+08	*	4.134E-29	7.589E-29	-0.1296	chr13_111900401_11190	sig	hypo
chr13	1.1E+08	1.1E+08	*	2.769E-21	4.256E-21	-0.10472	chr13_111905201_11190	sig	hypo
chr13	1.1E+08	1.1E+08	*	2.76E-68	9.688E-68	-0.21303	chr13_111918201_11191	sig	hypo
chr13	1.1E+08	1.1E+08	*	3.577E-55	1.036E-54	-0.2137	chr13_111920601_11192	sig	hypo
chr13	1.1E+08	1.1E+08	*	2.611E-17	3.609E-17	-0.11853	chr13_111920801_11192	sig	hypo
chr13	1.1E+08	1.1E+08	*	6.291E-30	1.174E-29	-0.13892	chr13_111925601_11192	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.326E-75	5.172E-75	-0.18066	chr13_111945201_11194	sig	hypo
chr13	1.1E+08	1.1E+08	*	7.257E-32	1.408E-31	-0.15223	chr13_111948001_11194	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.313E-19	1.934E-19	-0.10273	chr13_111953401_11195	sig	hypo
chr13	1.1E+08	1.1E+08	*	5.336E-58	1.613E-57	-0.17293	chr13_111956801_11195	sig	hypo
chr13	1.1E+08	1.1E+08	*	6.272E-30	1.17E-29	-0.14022	chr13_111962601_11196	sig	hypo
chr13	1.1E+08	1.1E+08	*	2.362E-21	3.634E-21	-0.10342	chr13_111965801_11196	sig	hypo
chr13	1.1E+08	1.1E+08	*	4.253E-42	9.961E-42	-0.16842	chr13_111970201_11197	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.65E-124	1.24E-123	0.25108	chr13_111972401_11197	sig	hyper
chr13	1.1E+08	1.1E+08	*	7.03E-164	9.01E-163	0.37799	chr13_111974201_11197	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.37E-212	3.41E-211	0.301261	chr13_111974401_11197	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.849E-62	5.974E-62	-0.12584	chr13_112036201_11203	sig	hypo
chr13	1.1E+08	1.1E+08	*	5.81E-52	1.596E-51	-0.1221	chr13_112037801_11203	sig	hypo
chr13	1.1E+08	1.1E+08	*	2.025E-36	4.303E-36	-0.18053	chr13_112038001_11203	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.25E-189	2.28E-188	0.308303	chr13_112053401_11205	sig	hyper
chr13	1.1E+08	1.1E+08	*	4.76E-122	3.47E-121	0.305537	chr13_112055001_11205	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.71E-159	2.05E-158	0.333554	chr13_112055201_11205	sig	hyper
chr13	1.1E+08	1.1E+08	*	2.76E-299	2.01E-297	0.464133	chr13_112056401_11205	sig	hyper
chr13	1.1E+08	1.1E+08	*	5.31E-202	1.15E-200	0.29454	chr13_112057601_11205	sig	hyper
chr13	1.1E+08	1.1E+08	*	2.126E-25	3.606E-25	0.158725	chr13_112058401_11205	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.41E-154	1.59E-153	0.368426	chr13_112063401_11206	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.36E-291	9.1E-290	0.321775	chr13_112067401_11206	sig	hyper
chr13	1.1E+08	1.1E+08	*	2.8E-241	1E-239	0.393784	chr13_112067801_11206	sig	hyper
chr13	1.1E+08	1.1E+08	*	3.98E-238	1.36E-236	0.300567	chr13_112069201_11206	sig	hyper
chr13	1.1E+08	1.1E+08	*	3.601E-80	1.5E-79	0.39185	chr13_112069801_11207	sig	hyper

chr13	1.1E+08	1.1E+08	*	1.154E-43	2.773E-43	0.182257	chr13_112071601_112071	sig	hyper
chr13	1.1E+08	1.1E+08	*	2.671E-59	8.227E-59	0.247206	chr13_112071801_112072	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.21E-237	4.14E-236	0.302734	chr13_112073801_112074	sig	hyper
chr13	1.1E+08	1.1E+08	*	4.78E-192	9E-191	0.231929	chr13_112074001_112074	sig	hyper
chr13	1.1E+08	1.1E+08	*	9.208E-17	1.254E-16	0.113946	chr13_112101401_112101	sig	hyper
chr13	1.1E+08	1.1E+08	*	0	0	0.368687	chr13_112104001_112104	sig	hyper
chr13	1.1E+08	1.1E+08	*	7.94E-191	1.47E-189	0.492405	chr13_112105201_112105	sig	hyper
chr13	1.1E+08	1.1E+08	*	5.47E-271	2.87E-269	0.554643	chr13_112105401_112105	sig	hyper
chr13	1.1E+08	1.1E+08	*	3.53E-140	3.26E-139	0.291772	chr13_112106601_112106	sig	hyper
chr13	1.1E+08	1.1E+08	*	2.591E-39	5.784E-39	0.215013	chr13_112107401_112107	sig	hyper
chr13	1.1E+08	1.1E+08	*	3.035E-17	4.186E-17	-0.12382	chr13_112182801_112183	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.383E-08	1.405E-08	0.120582	chr13_112204401_112204	sig	hyper
chr13	1.1E+08	1.1E+08	*	3.131E-29	5.76E-29	0.103735	chr13_112204801_112205	sig	hyper
chr13	1.1E+08	1.1E+08	*	6.293E-28	1.129E-27	-0.1248	chr13_112216001_112216	sig	hypo
chr13	1.1E+08	1.1E+08	*	4.806E-19	6.977E-19	-0.10015	chr13_112231801_112232	sig	hypo
chr13	1.1E+08	1.1E+08	*	4.706E-50	1.256E-49	-0.14269	chr13_112247601_112247	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.14E-192	2.17E-191	0.319686	chr13_112249001_112249	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.097E-45	2.721E-45	-0.1372	chr13_112250001_112250	sig	hypo
chr13	1.1E+08	1.1E+08	*	4.777E-33	9.496E-33	-0.1164	chr13_112253801_112254	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.971E-24	3.271E-24	-0.13509	chr13_112254201_112254	sig	hypo
chr13	1.1E+08	1.1E+08	*	3.986E-31	7.622E-31	0.165939	chr13_112326201_112326	sig	hyper
chr13	1.1E+08	1.1E+08	*	9.26E-36	1.939E-35	0.175638	chr13_112331601_112331	sig	hyper
chr13	1.1E+08	1.1E+08	*	6.976E-22	1.089E-21	-0.1576	chr13_112344401_112344	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.498E-29	2.776E-29	-0.10652	chr13_112353001_112353	sig	hypo
chr13	1.1E+08	1.1E+08	*	8.502E-51	2.293E-50	-0.2141	chr13_112450401_112450	sig	hypo
chr13	1.1E+08	1.1E+08	*	3.878E-57	1.159E-56	-0.13397	chr13_112451401_112451	sig	hypo
chr13	1.1E+08	1.1E+08	*	5.78E-125	4.37E-124	-0.36607	chr13_112638401_112638	sig	hypo
chr13	1.1E+08	1.1E+08	*	2.674E-63	8.755E-63	-0.26938	chr13_112721401_112721	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.55E-48	4.039E-48	0.155373	chr13_112729601_112729	sig	hyper
chr13	1.1E+08	1.1E+08	*	2.892E-16	3.884E-16	-0.10845	chr13_112767801_112768	sig	hypo
chr13	1.1E+08	1.1E+08	*	3.589E-87	1.643E-86	-0.30541	chr13_112771801_112772	sig	hypo
chr13	1.1E+08	1.1E+08	*	4.638E-24	7.634E-24	0.132058	chr13_112842201_112842	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.386E-61	4.427E-61	0.151323	chr13_112843201_112843	sig	hyper
chr13	1.1E+08	1.1E+08	*	4.25E-177	6.46E-176	0.318579	chr13_112843601_112843	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.077E-54	3.096E-54	0.225504	chr13_112874401_112874	sig	hyper
chr13	1.1E+08	1.1E+08	*	3.587E-79	1.474E-78	0.221806	chr13_112910801_112911	sig	hyper
chr13	1.1E+08	1.1E+08	*	2.526E-16	3.398E-16	-0.10786	chr13_112929601_112929	sig	hypo
chr13	1.1E+08	1.1E+08	*	8.622E-63	2.798E-62	-0.15882	chr13_112932001_112932	sig	hypo
chr13	1.1E+08	1.1E+08	*	2.233E-18	3.182E-18	0.102589	chr13_112970601_112970	sig	hyper
chr13	1.1E+08	1.1E+08	*	2.75E-132	2.3E-131	-0.32559	chr13_112985201_112985	sig	hypo
chr13	1.1E+08	1.1E+08	*	7.064E-73	2.642E-72	-0.26163	chr13_112985401_112985	sig	hypo
chr13	1.1E+08	1.1E+08	*	2.658E-81	1.122E-80	-0.22837	chr13_112995201_112995	sig	hypo
chr13	1.1E+08	1.1E+08	*	9.626E-70	3.453E-69	-0.27791	chr13_112995601_112995	sig	hypo
chr13	1.1E+08	1.1E+08	*	5.4E-157	6.28E-156	0.209277	chr13_113022601_113022	sig	hyper
chr13	1.1E+08	1.1E+08	*	8.157E-21	1.24E-20	0.115569	chr13_113023201_113023	sig	hyper
chr13	1.1E+08	1.1E+08	*	2.417E-77	9.661E-77	0.238935	chr13_113051401_113051	sig	hyper
chr13	1.1E+08	1.1E+08	*	4.785E-24	7.872E-24	0.121894	chr13_113052201_113052	sig	hyper
chr13	1.1E+08	1.1E+08	*	2.28E-49	6.026E-49	0.142688	chr13_113060401_113060	sig	hyper
chr13	1.1E+08	1.1E+08	*	0	0	0.333004	chr13_113098201_113098	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.278E-23	2.082E-23	-0.13408	chr13_113105401_113105	sig	hypo
chr13	1.1E+08	1.1E+08	*	2.91E-106	1.72E-105	0.354975	chr13_113109401_113109	sig	hyper
chr13	1.1E+08	1.1E+08	*	4.82E-253	1.99E-251	0.492423	chr13_113109801_113110	sig	hyper
chr13	1.1E+08	1.1E+08	*	5.85E-264	2.8E-262	0.57949	chr13_113110201_113110	sig	hyper
chr13	1.1E+08	1.1E+08	*	4.356E-21	6.663E-21	0.120083	chr13_113129601_113129	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.19E-105	6.98E-105	0.321612	chr13_113130001_113130	sig	hyper
chr13	1.1E+08	1.1E+08	*	6.002E-23	9.623E-23	-0.12842	chr13_113141601_113141	sig	hypo

chr13	1.1E+08	1.1E+08	*	4.844E-43	1.152E-42	-0.13977	chr13_113141801_113142	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.003E-37	2.184E-37	0.161353	chr13_113178201_113178	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.506E-44	3.676E-44	0.152602	chr13_113322001_113322	sig	hyper
chr13	1.1E+08	1.1E+08	*	4.81E-24	7.913E-24	0.124179	chr13_113322201_113322	sig	hyper
chr13	1.1E+08	1.1E+08	*	3.246E-23	5.24E-23	0.168797	chr13_113364601_113364	sig	hyper
chr13	1.1E+08	1.1E+08	*	9.443E-52	2.585E-51	0.243661	chr13_113364801_113365	sig	hyper
chr13	1.1E+08	1.1E+08	*	4.38E-44	1.06E-43	-0.1451	chr13_113401801_113402	sig	hypo
chr13	1.1E+08	1.1E+08	*	4.242E-43	1.01E-42	-0.16702	chr13_113402401_113402	sig	hypo
chr13	1.1E+08	1.1E+08	*	3.79E-37	8.161E-37	-0.15571	chr13_113402601_113402	sig	hypo
chr13	1.1E+08	1.1E+08	*	3.233E-47	8.253E-47	-0.16067	chr13_113403201_113403	sig	hypo
chr13	1.1E+08	1.1E+08	*	2.54E-232	8.02E-231	-0.39316	chr13_113405801_113406	sig	hypo
chr13	1.1E+08	1.1E+08	*	4.863E-28	8.739E-28	-0.17481	chr13_113406201_113406	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.551E-33	3.112E-33	-0.11311	chr13_113409401_113409	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.083E-66	3.721E-66	-0.20332	chr13_113411601_113411	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.53E-171	2.18E-170	0.248453	chr13_113413601_113413	sig	hyper
chr13	1.1E+08	1.1E+08	*	3.357E-37	7.242E-37	-0.14296	chr13_113417001_113417	sig	hypo
chr13	1.1E+08	1.1E+08	*	6.473E-62	2.077E-61	-0.24754	chr13_113417601_113417	sig	hypo
chr13	1.1E+08	1.1E+08	*	2.69E-147	2.74E-146	-0.35153	chr13_113420001_113420	sig	hypo
chr13	1.1E+08	1.1E+08	*	2.08E-224	5.97E-223	-0.36367	chr13_113420401_113420	sig	hypo
chr13	1.1E+08	1.1E+08	*	6.968E-76	2.728E-75	-0.30936	chr13_113420601_113420	sig	hypo
chr13	1.1E+08	1.1E+08	*	8.69E-131	7.11E-130	0.300267	chr13_113422001_113422	sig	hyper
chr13	1.1E+08	1.1E+08	*	3.788E-18	5.361E-18	0.13982	chr13_113437401_113437	sig	hyper
chr13	1.1E+08	1.1E+08	*	9.598E-56	2.807E-55	-0.21422	chr13_113449401_113449	sig	hypo
chr13	1.1E+08	1.1E+08	*	6.453E-47	1.638E-46	0.17479	chr13_113453201_113453	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.6E-115	1.08E-114	0.199568	chr13_113454001_113454	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.472E-64	4.91E-64	0.196114	chr13_113454201_113454	sig	hyper
chr13	1.1E+08	1.1E+08	*	5.846E-45	1.434E-44	0.104133	chr13_113491601_113491	sig	hyper
chr13	1.1E+08	1.1E+08	*	9.64E-56	2.819E-55	0.190637	chr13_113491801_113492	sig	hyper
chr13	1.1E+08	1.1E+08	*	6.12E-291	4.05E-289	0.380673	chr13_113495601_113495	sig	hyper
chr13	1.1E+08	1.1E+08	*	2.84E-132	2.37E-131	0.325456	chr13_113495801_113496	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.69E-143	1.63E-142	0.275733	chr13_113533601_113533	sig	hyper
chr13	1.1E+08	1.1E+08	*	2.67E-78	1.082E-77	0.131561	chr13_113548201_113548	sig	hyper
chr13	1.1E+08	1.1E+08	*	6.352E-91	3.071E-90	0.174002	chr13_113548401_113548	sig	hyper
chr13	1.1E+08	1.1E+08	*	4.247E-30	7.958E-30	0.109259	chr13_113549401_113549	sig	hyper
chr13	1.1E+08	1.1E+08	*	5.737E-45	1.408E-44	-0.12831	chr13_113566201_113566	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.399E-68	4.929E-68	-0.16608	chr13_113583201_113583	sig	hypo
chr13	1.1E+08	1.1E+08	*	3.06E-104	1.76E-103	-0.15002	chr13_113650401_113650	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.694E-30	3.199E-30	-0.19335	chr13_113653201_113653	sig	hypo
chr13	1.1E+08	1.1E+08	*	5.72E-100	3.11E-99	-0.19524	chr13_113978001_113978	sig	hypo
chr13	1.1E+08	1.1E+08	*	3.595E-25	6.068E-25	-0.10855	chr13_113979001_113979	sig	hypo
chr13	1.1E+08	1.1E+08	*	8.753E-27	1.535E-26	-0.23979	chr13_113981401_113981	sig	hypo
chr13	1.1E+08	1.1E+08	*	5.442E-25	9.15E-25	-0.10869	chr13_113981801_113982	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.831E-42	4.312E-42	-0.14758	chr13_114004401_114004	sig	hypo
chr13	1.1E+08	1.1E+08	*	0	0	-0.46678	chr13_114005001_114005	sig	hypo
chr13	1.1E+08	1.1E+08	*	3.75E-133	3.16E-132	-0.41298	chr13_114005201_114005	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.982E-86	8.993E-86	-0.17644	chr13_114010801_114011	sig	hypo
chr13	1.1E+08	1.1E+08	*	9.416E-63	3.053E-62	-0.14414	chr13_114011201_114011	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.02E-179	1.61E-178	-0.30375	chr13_114015201_114015	sig	hypo
chr13	1.1E+08	1.1E+08	*	7.38E-105	4.27E-104	-0.26185	chr13_114015401_114015	sig	hypo
chr13	1.1E+08	1.1E+08	*	5.93E-84	2.596E-83	0.296285	chr13_114027201_114027	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.09E-94	5.539E-94	0.18958	chr13_114031801_114032	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.069E-48	2.792E-48	-0.16539	chr13_114042001_114042	sig	hypo
chr13	1.1E+08	1.1E+08	*	6.91E-173	9.99E-172	-0.35232	chr13_114049201_114049	sig	hypo
chr13	1.1E+08	1.1E+08	*	4.293E-78	1.735E-77	-0.20817	chr13_114049601_114049	sig	hypo
chr13	1.1E+08	1.1E+08	*	3.146E-41	7.257E-41	-0.13582	chr13_114052401_114052	sig	hypo
chr13	1.1E+08	1.1E+08	*	3.445E-31	6.597E-31	0.17015	chr13_114063601_114063	sig	hyper

chr13	1.1E+08	1.1E+08	*	1.39E-32	2.737E-32	0.155676	chr13_114078001_11407	sig	hyper
chr13	1.1E+08	1.1E+08	*	8.831E-90	4.199E-89	-0.20053	chr13_114089601_11408	sig	hypo
chr13	1.1E+08	1.1E+08	*	8.396E-58	2.534E-57	-0.2513	chr13_114089801_11409	sig	hypo
chr13	1.1E+08	1.1E+08	*	9.272E-72	3.419E-71	-0.24234	chr13_114090001_11409	sig	hypo
chr13	1.1E+08	1.1E+08	*	2.892E-28	5.218E-28	-0.14339	chr13_114097401_11409	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.488E-98	7.946E-98	-0.30562	chr13_114110601_11411	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.863E-64	6.204E-64	-0.2752	chr13_114115201_11411	sig	hypo
chr13	1.1E+08	1.1E+08	*	2.444E-33	4.888E-33	-0.15733	chr13_114121401_11412	sig	hypo
chr13	1.1E+08	1.1E+08	*	7.86E-130	6.34E-129	-0.28267	chr13_114121601_11412	sig	hypo
chr13	1.1E+08	1.1E+08	*	1.863E-33	3.732E-33	-0.14959	chr13_114124401_11412	sig	hypo
chr13	1.1E+08	1.1E+08	*	6.97E-130	5.62E-129	0.306351	chr13_114131201_11413	sig	hyper
chr13	1.1E+08	1.1E+08	*	1.663E-94	8.424E-94	-0.24627	chr13_114140201_11414	sig	hypo
chr13	1.1E+08	1.1E+08	*	4.382E-84	1.922E-83	-0.21158	chr13_114140401_11414	sig	hypo
chr13	1.1E+08	1.1E+08	*	6.28E-139	5.69E-138	-0.28932	chr13_114151601_11415	sig	hypo
chr13	1.1E+08	1.1E+08	*	5.102E-27	8.988E-27	-0.14748	chr13_114158001_11415	sig	hypo
chr14	2E+07	2E+07	*	2.557E-31	4.907E-31	0.157093	chr14_19668601_196688	sig	hyper
chr14	2E+07	2E+07	*	8.658E-17	1.18E-16	0.103872	chr14_20430601_204308	sig	hyper
chr14	2E+07	2E+07	*	2.98E-224	8.53E-223	0.412608	chr14_20435401_204356	sig	hyper
chr14	2.1E+07	2.1E+07	*	5.466E-67	1.886E-66	0.226183	chr14_20625801_206260	sig	hyper
chr14	2.1E+07	2.1E+07	*	2.303E-90	1.105E-89	0.260413	chr14_21026001_210262	sig	hyper
chr14	2.1E+07	2.1E+07	*	2.52E-91	1.224E-90	0.27626	chr14_21087401_210876	sig	hyper
chr14	2.3E+07	2.3E+07	*	4.966E-57	1.481E-56	0.285289	chr14_22883201_228834	sig	hyper
chr14	2.3E+07	2.3E+07	*	3E-120	2.13E-119	0.173298	chr14_23365601_233658	sig	hyper
chr14	2.3E+07	2.3E+07	*	3.54E-113	2.31E-112	0.351808	chr14_23366601_233668	sig	hyper
chr14	2.3E+07	2.3E+07	*	7.516E-27	1.32E-26	-0.1081	chr14_23375601_233758	sig	hypo
chr14	2.3E+07	2.3E+07	*	7.406E-26	1.272E-25	0.143074	chr14_23376601_233768	sig	hyper
chr14	2.4E+07	2.4E+07	*	2.063E-18	2.942E-18	-0.10297	chr14_24132201_241324	sig	hypo
chr14	2.4E+07	2.4E+07	*	1.071E-79	4.43E-79	-0.19646	chr14_24132401_241326	sig	hypo
chr14	2.4E+07	2.4E+07	*	3.57E-115	2.4E-114	0.222696	chr14_24171801_241720	sig	hyper
chr14	2.4E+07	2.4E+07	*	1.682E-32	3.304E-32	0.143637	chr14_24172001_241722	sig	hyper
chr14	2.4E+07	2.4E+07	*	2.11E-134	1.81E-133	0.258871	chr14_24172201_241724	sig	hyper
chr14	2.4E+07	2.4E+07	*	1.532E-40	3.494E-40	0.167388	chr14_24172401_241726	sig	hyper
chr14	2.4E+07	2.4E+07	*	8.23E-42	1.919E-41	0.195803	chr14_24172601_241728	sig	hyper
chr14	2.4E+07	2.4E+07	*	3.045E-22	4.79E-22	0.123095	chr14_24180001_241802	sig	hyper
chr14	2.4E+07	2.4E+07	*	1.437E-72	5.351E-72	0.130957	chr14_24310601_243108	sig	hyper
chr14	2.4E+07	2.4E+07	*	5.04E-143	4.83E-142	0.158275	chr14_24310801_243110	sig	hyper
chr14	2.4E+07	2.4E+07	*	0	0	0.263144	chr14_24311201_243114	sig	hyper
chr14	2.4E+07	2.4E+07	*	9.17E-231	2.81E-229	0.236653	chr14_24311401_243116	sig	hyper
chr14	2.4E+07	2.4E+07	*	5.472E-36	1.15E-35	-0.15387	chr14_24316001_243162	sig	hypo
chr14	2.4E+07	2.4E+07	*	2.776E-90	1.33E-89	0.183744	chr14_24334401_243346	sig	hyper
chr14	2.6E+07	2.6E+07	*	1.238E-80	5.178E-80	0.208563	chr14_26204801_262050	sig	hyper
chr14	2.6E+07	2.6E+07	*	1.328E-68	4.679E-68	0.263204	chr14_26205001_262052	sig	hyper
chr14	2.6E+07	2.6E+07	*	1.61E-141	1.51E-140	0.275076	chr14_26205201_262054	sig	hyper
chr14	2.7E+07	2.7E+07	*	3.02E-250	1.22E-248	0.329931	chr14_26598401_265986	sig	hyper
chr14	2.7E+07	2.7E+07	*	6.23E-196	1.24E-194	0.300429	chr14_26598601_265988	sig	hyper
chr14	2.7E+07	2.7E+07	*	6.81E-176	1.03E-174	0.27117	chr14_26598801_265990	sig	hyper
chr14	2.9E+07	2.9E+07	*	1.499E-52	4.156E-52	0.15414	chr14_28757001_287572	sig	hyper
chr14	2.9E+07	2.9E+07	*	1.482E-25	2.524E-25	0.172718	chr14_28758601_287588	sig	hyper
chr14	2.9E+07	2.9E+07	*	1.72E-43	4.118E-43	0.111191	chr14_28759001_287592	sig	hyper
chr14	2.9E+07	2.9E+07	*	1.74E-33	3.488E-33	0.165863	chr14_28759201_287594	sig	hyper
chr14	2.9E+07	2.9E+07	*	2.86E-149	3.01E-148	0.229837	chr14_28765601_287658	sig	hyper
chr14	2.9E+07	2.9E+07	*	8.21E-247	3.17E-245	0.240717	chr14_28765801_287660	sig	hyper
chr14	2.9E+07	2.9E+07	*	1.198E-49	3.179E-49	0.234439	chr14_28766001_287662	sig	hyper
chr14	2.9E+07	2.9E+07	*	3.986E-65	1.341E-64	0.245837	chr14_28774001_287742	sig	hyper
chr14	2.9E+07	2.9E+07	*	0	0	0.325336	chr14_28774201_287744	sig	hyper
chr14	2.9E+07	2.9E+07	*	4.72E-277	2.63E-275	0.261366	chr14_28774401_287746	sig	hyper

chr14	2.9E+07	2.9E+07	*	1.79E-50	4.803E-50	0.185128	chr14_28777801_287780(	sig	hyper
chr14	2.9E+07	2.9E+07	*	1.92E-188	3.44E-187	0.236389	chr14_28778201_287784(	sig	hyper
chr14	2.9E+07	2.9E+07	*	3.4E-136	2.97E-135	0.24603	chr14_28778401_287786(	sig	hyper
chr14	2.9E+07	2.9E+07	*	6.247E-38	1.363E-37	0.206003	chr14_28785801_287860(	sig	hyper
chr14	3.1E+07	3.1E+07	*	1.451E-26	2.534E-26	-0.10174	chr14_30874001_308742(	sig	hypo
chr14	3.1E+07	3.1E+07	*	1.551E-78	6.309E-78	0.278865	chr14_30875801_308760(	sig	hyper
chr14	3.3E+07	3.3E+07	*	5.493E-96	2.847E-95	0.214431	chr14_32933801_329340(	sig	hyper
chr14	3.3E+07	3.3E+07	*	1.169E-68	4.124E-68	0.167158	chr14_32935201_329354(	sig	hyper
chr14	3.5E+07	3.5E+07	*	2.843E-23	4.595E-23	0.111915	chr14_35369001_353692(	sig	hyper
chr14	3.7E+07	3.7E+07	*	1.04E-168	1.42E-167	0.299952	chr14_36504001_365042(	sig	hyper
chr14	3.7E+07	3.7E+07	*	4.183E-30	7.84E-30	0.10769	chr14_36508601_365088(	sig	hyper
chr14	3.7E+07	3.7E+07	*	5.308E-56	1.557E-55	0.146122	chr14_36510401_365106(	sig	hyper
chr14	3.7E+07	3.7E+07	*	2.64E-223	7.45E-222	0.297966	chr14_36513401_365136(	sig	hyper
chr14	3.7E+07	3.7E+07	*	5.24E-209	1.23E-207	0.250642	chr14_36514201_365144(	sig	hyper
chr14	3.7E+07	3.7E+07	*	1.93E-131	1.59E-130	0.312424	chr14_36517001_365172(	sig	hyper
chr14	3.7E+07	3.7E+07	*	4.17E-126	3.21E-125	0.147298	chr14_36521201_365214(	sig	hyper
chr14	3.7E+07	3.7E+07	*	3.437E-47	8.771E-47	0.154208	chr14_36525201_365254(	sig	hyper
chr14	3.7E+07	3.7E+07	*	1.109E-53	3.136E-53	0.136151	chr14_36525801_365260(	sig	hyper
chr14	3.7E+07	3.7E+07	*	1.939E-91	9.429E-91	0.260904	chr14_36583401_365836(	sig	hyper
chr14	3.7E+07	3.7E+07	*	5.196E-30	9.716E-30	0.178199	chr14_36584401_365846(	sig	hyper
chr14	3.7E+07	3.7E+07	*	1.27E-224	3.64E-223	0.295749	chr14_36654401_366546(	sig	hyper
chr14	3.7E+07	3.7E+07	*	1.023E-66	3.515E-66	0.224327	chr14_36654801_366550(	sig	hyper
chr14	3.7E+07	3.7E+07	*	4.79E-141	4.48E-140	0.257567	chr14_36655001_366552(	sig	hyper
chr14	3.7E+07	3.7E+07	*	1.291E-75	5.034E-75	0.215297	chr14_36655801_366560(	sig	hyper
chr14	3.7E+07	3.7E+07	*	1.84E-111	1.17E-110	0.229536	chr14_36659201_366594(	sig	hyper
chr14	3.7E+07	3.7E+07	*	1.648E-96	8.586E-96	0.244425	chr14_36659401_366596(	sig	hyper
chr14	3.7E+07	3.7E+07	*	1.987E-59	6.134E-59	0.193016	chr14_36659801_366600(	sig	hyper
chr14	3.7E+07	3.7E+07	*	4.44E-277	2.48E-275	0.259499	chr14_36663201_366634(	sig	hyper
chr14	3.7E+07	3.7E+07	*	5.48E-283	3.25E-281	0.302399	chr14_36663401_366636(	sig	hyper
chr14	3.7E+07	3.7E+07	*	6.65E-130	5.37E-129	0.31563	chr14_36663801_366640(	sig	hyper
chr14	3.7E+07	3.7E+07	*	0	0	0.315105	chr14_36667001_366672(	sig	hyper
chr14	3.8E+07	3.8E+07	*	3.668E-37	7.905E-37	0.138543	chr14_37586001_375862(	sig	hyper
chr14	3.8E+07	3.8E+07	*	2.927E-68	1.027E-67	0.167419	chr14_37597601_375978(	sig	hyper
chr14	3.8E+07	3.8E+07	*	2.052E-88	9.586E-88	0.368948	chr14_37599001_375992(	sig	hyper
chr14	3.8E+07	3.8E+07	*	3.54E-126	2.72E-125	0.272859	chr14_37602001_376022(	sig	hyper
chr14	3.8E+07	3.8E+07	*	2.18E-91	1.06E-90	0.261195	chr14_37611001_376112(	sig	hyper
chr14	3.8E+07	3.8E+07	*	4.15E-103	2.34E-102	0.250383	chr14_37622201_376224(	sig	hyper
chr14	3.8E+07	3.8E+07	*	6.4E-104	3.65E-103	0.206705	chr14_37622401_376226(	sig	hyper
chr14	3.8E+07	3.8E+07	*	6.94E-102	3.85E-101	0.251861	chr14_37622601_376228(	sig	hyper
chr14	3.8E+07	3.8E+07	*	1.131E-45	2.804E-45	0.131015	chr14_37622801_376230(	sig	hyper
chr14	3.8E+07	3.8E+07	*	1.315E-84	5.818E-84	0.31485	chr14_38210401_382106(	sig	hyper
chr14	3.8E+07	3.8E+07	*	1.101E-45	2.731E-45	0.229616	chr14_38210601_382108(	sig	hyper
chr14	4.2E+07	4.2E+07	*	4.73E-281	2.76E-279	0.276191	chr14_41605201_416054(	sig	hyper
chr14	4.2E+07	4.2E+07	*	5.184E-72	1.918E-71	0.211718	chr14_41605401_416056(	sig	hyper
chr14	4.2E+07	4.2E+07	*	7.01E-295	4.83E-293	0.332383	chr14_41606401_416066(	sig	hyper
chr14	4.2E+07	4.2E+07	*	2.501E-86	1.132E-85	0.182787	chr14_41607401_416076(	sig	hyper
chr14	4.2E+07	4.2E+07	*	2.62E-138	2.36E-137	0.446503	chr14_41608001_416082(	sig	hyper
chr14	4.2E+07	4.2E+07	*	2.27E-291	1.51E-289	0.363631	chr14_41608401_416086(	sig	hyper
chr14	4.5E+07	4.5E+07	*	8.06E-145	7.91E-144	0.283742	chr14_44912001_449122(	sig	hyper
chr14	4.5E+07	4.5E+07	*	4.31E-120	3.06E-119	0.28212	chr14_44963201_449634(	sig	hyper
chr14	4.8E+07	4.8E+07	*	1.26E-120	8.98E-120	0.371791	chr14_47675001_476752(	sig	hyper
chr14	4.8E+07	4.8E+07	*	3.77E-216	9.8E-215	0.252648	chr14_47675801_476760(	sig	hyper
chr14	4.8E+07	4.8E+07	*	1.3E-154	1.47E-153	0.388574	chr14_47676201_476764(	sig	hyper
chr14	5E+07	5E+07	*	9.958E-25	1.666E-24	-0.17501	chr14_49766801_497670(	sig	hypo
chr14	5.2E+07	5.2E+07	*	6.127E-75	2.365E-74	-0.28646	chr14_51752201_517524(	sig	hypo
chr14	5.2E+07	5.2E+07	*	1.833E-20	2.761E-20	-0.10406	chr14_51752401_517526(	sig	hypo

chr14	5.2E+07	5.2E+07	*	2.418E-63	7.927E-63	0.181927	chr14_52068201_520684(	sig	hyper
chr14	5.4E+07	5.4E+07	*	1.01E-137	9E-137	0.235867	chr14_53952001_539522(	sig	hyper
chr14	5.4E+07	5.4E+07	*	6.112E-78	2.465E-77	0.409309	chr14_53952801_539530(	sig	hyper
chr14	5.4E+07	5.4E+07	*	2.12E-160	2.59E-159	0.215415	chr14_53953001_539532(	sig	hyper
chr14	5.4E+07	5.4E+07	*	5.91E-265	2.89E-263	-0.3274	chr14_53957001_539572(	sig	hypo
chr14	5.4E+07	5.4E+07	*	8.621E-56	2.523E-55	0.187758	chr14_54220401_542206(	sig	hyper
chr14	5.5E+07	5.5E+07	*	9.505E-18	1.332E-17	0.125261	chr14_54806201_548064(	sig	hyper
chr14	5.5E+07	5.5E+07	*	7.14E-124	5.33E-123	0.299151	chr14_55241001_552412(	sig	hyper
chr14	5.5E+07	5.5E+07	*	5.288E-36	1.112E-35	0.219327	chr14_55440401_554406(	sig	hyper
chr14	5.5E+07	5.5E+07	*	7.292E-20	1.081E-19	0.158539	chr14_55440601_554408(	sig	hyper
chr14	5.7E+07	5.7E+07	*	2.348E-67	8.136E-67	0.262649	chr14_56795401_567956(	sig	hyper
chr14	5.7E+07	5.7E+07	*	4.53E-215	1.16E-213	0.34882	chr14_56797401_567976(	sig	hyper
chr14	5.7E+07	5.7E+07	*	2.8E-102	1.57E-101	0.308111	chr14_56799001_567992(	sig	hyper
chr14	5.7E+07	5.7E+07	*	4.541E-41	1.045E-40	0.195131	chr14_56809801_568100(	sig	hyper
chr14	5.7E+07	5.7E+07	*	2.102E-61	6.68E-61	0.269773	chr14_56810001_568102(	sig	hyper
chr14	5.7E+07	5.7E+07	*	2.88E-201	6.17E-200	0.300315	chr14_56811401_568116(	sig	hyper
chr14	5.7E+07	5.7E+07	*	2.095E-95	1.076E-94	0.285412	chr14_56812201_568124(	sig	hyper
chr14	5.9E+07	5.9E+07	*	3.196E-49	8.434E-49	0.147374	chr14_59464201_594644(	sig	hyper
chr14	6E+07	6E+07	*	4.694E-19	6.818E-19	-0.10364	chr14_59577001_595772(	sig	hypo
chr14	6E+07	6E+07	*	7.99E-140	7.35E-139	0.171202	chr14_59919201_599194(	sig	hyper
chr14	6E+07	6E+07	*	9.225E-20	1.364E-19	-0.13058	chr14_60328201_603284(	sig	hypo
chr14	6E+07	6E+07	*	4.99E-110	3.11E-109	0.285515	chr14_60485201_604854(	sig	hyper
chr14	6E+07	6E+07	*	2.42E-110	1.52E-109	0.252699	chr14_60485401_604856(	sig	hyper
chr14	6E+07	6E+07	*	6.473E-53	1.807E-52	0.261787	chr14_60486201_604864(	sig	hyper
chr14	6.1E+07	6.1E+07	*	3.993E-62	1.285E-61	0.218367	chr14_60506601_605068(	sig	hyper
chr14	6.1E+07	6.1E+07	*	1.7E-110	1.07E-109	0.284687	chr14_60507001_605072(	sig	hyper
chr14	6.1E+07	6.1E+07	*	2.17E-101	1.2E-100	0.244454	chr14_60507201_605074(	sig	hyper
chr14	6.1E+07	6.1E+07	*	3.479E-81	1.465E-80	0.19107	chr14_60507601_605078(	sig	hyper
chr14	6.1E+07	6.1E+07	*	4.97E-96	2.579E-95	0.213381	chr14_60510601_605108(	sig	hyper
chr14	6.1E+07	6.1E+07	*	6.997E-91	3.38E-90	0.17832	chr14_60511201_605114(	sig	hyper
chr14	6.1E+07	6.1E+07	*	4.21E-157	4.9E-156	0.208517	chr14_60511401_605116(	sig	hyper
chr14	6.1E+07	6.1E+07	*	1.114E-16	1.514E-16	0.158848	chr14_60516001_605162(	sig	hyper
chr14	6.1E+07	6.1E+07	*	2.774E-46	6.963E-46	0.191279	chr14_60642401_606426(	sig	hyper
chr14	6.1E+07	6.1E+07	*	1.16E-33	2.333E-33	0.15978	chr14_60643201_606434(	sig	hyper
chr14	6.1E+07	6.1E+07	*	8.629E-36	1.808E-35	0.171197	chr14_60643801_606440(	sig	hyper
chr14	6.1E+07	6.1E+07	*	6.079E-88	2.82E-87	0.11487	chr14_60652401_606526(	sig	hyper
chr14	6.1E+07	6.1E+07	*	1.232E-65	4.173E-65	0.207459	chr14_60652601_606528(	sig	hyper
chr14	6.1E+07	6.1E+07	*	1.676E-43	4.013E-43	0.227157	chr14_60653401_606536(	sig	hyper
chr14	6.1E+07	6.1E+07	*	3.441E-44	8.341E-44	0.222421	chr14_60655401_606556(	sig	hyper
chr14	6.1E+07	6.1E+07	*	1.206E-26	2.108E-26	0.21803	chr14_60655601_606558(	sig	hyper
chr14	6.1E+07	6.1E+07	*	1.683E-34	3.446E-34	0.214885	chr14_60656401_606566(	sig	hyper
chr14	6.1E+07	6.1E+07	*	4.388E-32	8.55E-32	0.128128	chr14_60656601_606568(	sig	hyper
chr14	6.1E+07	6.1E+07	*	1.61E-39	3.606E-39	-0.15559	chr14_61281601_612818(	sig	hypo
chr14	6.2E+07	6.2E+07	*	1.067E-59	3.306E-59	-0.16766	chr14_61568801_615690(	sig	hypo
chr14	6.2E+07	6.2E+07	*	1.95E-150	2.1E-149	0.28056	chr14_62117401_621176(	sig	hyper
chr14	6.2E+07	6.2E+07	*	1.09E-165	1.43E-164	0.253237	chr14_62117801_621180(	sig	hyper
chr14	6.4E+07	6.4E+07	*	6.675E-33	1.323E-32	0.191698	chr14_64197201_641974(	sig	hyper
chr14	6.5E+07	6.5E+07	*	2.243E-31	4.307E-31	-0.1275	chr14_64539201_645394(	sig	hypo
chr14	6.5E+07	6.5E+07	*	2.02E-104	1.16E-103	0.210214	chr14_64541201_645414(	sig	hyper
chr14	6.5E+07	6.5E+07	*	9.758E-78	3.923E-77	0.201858	chr14_64541801_645420(	sig	hyper
chr14	6.5E+07	6.5E+07	*	6.782E-45	1.662E-44	0.174604	chr14_64601601_646018(	sig	hyper
chr14	6.5E+07	6.5E+07	*	2.79E-70	1.008E-69	0.174043	chr14_64601801_646020(	sig	hyper
chr14	6.5E+07	6.5E+07	*	1.301E-60	4.09E-60	-0.21591	chr14_64703401_647036(	sig	hypo
chr14	6.6E+07	6.6E+07	*	8.566E-67	2.946E-66	-0.30889	chr14_66012801_660130(	sig	hypo
chr14	6.8E+07	6.8E+07	*	3.501E-94	1.765E-93	-0.2521	chr14_67541801_675420(	sig	hypo
chr14	6.8E+07	6.8E+07	*	4.189E-15	5.45E-15	0.103046	chr14_67798801_677990(	sig	hyper

chr14	6.9E+07	6.9E+07	*	5.16E-145	5.09E-144	-0.27832	chr14_68628801_686290(	sig	hypo
chr14	6.9E+07	6.9E+07	*	4.081E-57	1.219E-56	0.198339	chr14_68817201_688174(	sig	hyper
chr14	6.9E+07	6.9E+07	*	2.844E-64	9.458E-64	0.104261	chr14_68888001_688882(	sig	hyper
chr14	6.9E+07	6.9E+07	*	4.17E-151	4.53E-150	0.200931	chr14_69259401_692596(	sig	hyper
chr14	7E+07	7E+07	*	1.118E-51	3.058E-51	0.226226	chr14_69548001_695482(	sig	hyper
chr14	7E+07	7E+07	*	3.18E-207	7.29E-206	0.168709	chr14_69574401_695746(	sig	hyper
chr14	7E+07	7E+07	*	7.07E-110	4.4E-109	0.168467	chr14_69574601_695748(	sig	hyper
chr14	7E+07	7E+07	*	8.13E-40	1.831E-39	-0.19898	chr14_69850001_698502(	sig	hypo
chr14	7E+07	7E+07	*	5.3E-100	2.88E-99	-0.29688	chr14_69850201_698504(	sig	hypo
chr14	7E+07	7E+07	*	1.807E-73	6.812E-73	-0.26637	chr14_69850401_698506(	sig	hypo
chr14	7E+07	7E+07	*	3.216E-49	8.486E-49	0.164514	chr14_69879201_698794(	sig	hyper
chr14	7E+07	7E+07	*	9.035E-35	1.86E-34	0.138061	chr14_69880001_698802(	sig	hyper
chr14	7.2E+07	7.2E+07	*	5.621E-36	1.181E-35	0.186526	chr14_71933401_719336(	sig	hyper
chr14	7.2E+07	7.2E+07	*	8.537E-44	2.056E-43	-0.1199	chr14_72236801_722370(	sig	hypo
chr14	7.3E+07	7.3E+07	*	5.193E-15	6.735E-15	-0.1002	chr14_72563001_725632(	sig	hypo
chr14	7.3E+07	7.3E+07	*	3.931E-10	4.28E-10	0.116709	chr14_72679801_726800(	sig	hyper
chr14	7.3E+07	7.3E+07	*	5.4E-19	7.827E-19	0.118362	chr14_73270201_732704(	sig	hyper
chr14	7.4E+07	7.4E+07	*	2.415E-75	9.381E-75	0.191018	chr14_73712201_737124(	sig	hyper
chr14	7.4E+07	7.4E+07	*	1.246E-25	2.128E-25	0.161608	chr14_73712801_737130(	sig	hyper
chr14	7.4E+07	7.4E+07	*	5.105E-12	5.98E-12	0.106707	chr14_73713001_737132(	sig	hyper
chr14	7.4E+07	7.4E+07	*	2.95E-140	2.73E-139	0.337602	chr14_73718401_737186(	sig	hyper
chr14	7.4E+07	7.4E+07	*	9.92E-142	9.36E-141	0.331314	chr14_73718601_737188(	sig	hyper
chr14	7.4E+07	7.4E+07	*	3.161E-44	7.668E-44	-0.15865	chr14_73771601_737718(	sig	hypo
chr14	7.4E+07	7.4E+07	*	2.24E-133	1.9E-132	0.287672	chr14_74239201_742394(	sig	hyper
chr14	7.4E+07	7.4E+07	*	1.392E-28	2.53E-28	0.17527	chr14_74242201_742424(	sig	hyper
chr14	7.4E+07	7.4E+07	*	1.51E-57	4.54E-57	0.229657	chr14_74348401_743486(	sig	hyper
chr14	7.4E+07	7.4E+07	*	5.21E-24	8.56E-24	-0.11076	chr14_74378001_743782(	sig	hypo
chr14	7.5E+07	7.5E+07	*	4.49E-123	3.32E-122	0.260581	chr14_74501401_745016(	sig	hyper
chr14	7.5E+07	7.5E+07	*	3.391E-98	1.804E-97	0.140057	chr14_75427401_754276(	sig	hyper
chr14	7.5E+07	7.5E+07	*	1.47E-156	1.7E-155	0.378461	chr14_75430601_754308(	sig	hyper
chr14	7.5E+07	7.5E+07	*	5.29E-105	3.07E-104	0.236322	chr14_75470001_754702(	sig	hyper
chr14	7.6E+07	7.6E+07	*	1.831E-11	2.1E-11	-0.10191	chr14_75579201_755794(	sig	hypo
chr14	7.6E+07	7.6E+07	*	1.152E-45	2.855E-45	0.201402	chr14_75979601_759798(	sig	hyper
chr14	7.6E+07	7.6E+07	*	3.577E-21	5.481E-21	0.158015	chr14_76131401_761316(	sig	hyper
chr14	7.6E+07	7.6E+07	*	1.26E-196	2.52E-195	0.348803	chr14_76138801_761390(	sig	hyper
chr14	7.6E+07	7.6E+07	*	2.207E-40	5.021E-40	0.162275	chr14_76268201_762684(	sig	hyper
chr14	7.6E+07	7.6E+07	*	2.481E-50	6.644E-50	0.106895	chr14_76352801_763530(	sig	hyper
chr14	7.6E+07	7.6E+07	*	1.964E-32	3.855E-32	0.123444	chr14_76376801_763770(	sig	hyper
chr14	7.7E+07	7.7E+07	*	9.97E-138	8.91E-137	0.14436	chr14_76761201_767614(	sig	hyper
chr14	7.7E+07	7.7E+07	*	4.08E-264	1.96E-262	0.252687	chr14_77026401_770266(	sig	hyper
chr14	7.7E+07	7.7E+07	*	3.513E-36	7.42E-36	0.124381	chr14_77032601_770328(	sig	hyper
chr14	7.7E+07	7.7E+07	*	4.691E-29	8.604E-29	0.163849	chr14_77038001_770382(	sig	hyper
chr14	7.7E+07	7.7E+07	*	4.37E-160	5.3E-159	0.273047	chr14_77140401_771406(	sig	hyper
chr14	7.7E+07	7.7E+07	*	2.08E-130	1.69E-129	0.298998	chr14_77140601_771408(	sig	hyper
chr14	7.7E+07	7.7E+07	*	6.48E-136	5.64E-135	0.343888	chr14_77140801_771410(	sig	hyper
chr14	7.9E+07	7.9E+07	*	7.631E-62	2.447E-61	0.10818	chr14_79279801_792800(	sig	hyper
chr14	7.9E+07	7.9E+07	*	1.69E-63	5.56E-63	0.126213	chr14_79280201_792804(	sig	hyper
chr14	7.9E+07	7.9E+07	*	2.116E-28	3.829E-28	0.100862	chr14_79280401_792806(	sig	hyper
chr14	8.6E+07	8.6E+07	*	4.17E-112	2.68E-111	0.305736	chr14_85529201_855294(	sig	hyper
chr14	8.6E+07	8.6E+07	*	4.93E-100	2.68E-99	0.239324	chr14_85529401_855296(	sig	hyper
chr14	8.6E+07	8.6E+07	*	5.52E-260	2.49E-258	0.257794	chr14_85529801_855300(	sig	hyper
chr14	8.6E+07	8.6E+07	*	1.987E-72	7.389E-72	0.273774	chr14_85530401_855306(	sig	hyper
chr14	8.6E+07	8.6E+07	*	7.861E-55	2.265E-54	0.23502	chr14_85531001_855312(	sig	hyper
chr14	8.6E+07	8.6E+07	*	1.41E-132	1.18E-131	0.289401	chr14_85531401_855316(	sig	hyper
chr14	8.6E+07	8.6E+07	*	6.23E-162	7.76E-161	0.226794	chr14_85532001_855322(	sig	hyper
chr14	8.6E+07	8.6E+07	*	3.08E-113	2.02E-112	0.224667	chr14_85532201_855324(	sig	hyper

chr14	8.6E+07	8.6E+07	*	5.9E-151	6.39E-150	0.33651	chr14_85534601_855348(	sig	hyper
chr14	8.8E+07	8.8E+07	*	6.579E-20	9.767E-20	0.130375	chr14_87992401_879926(	sig	hyper
chr14	8.8E+07	8.8E+07	*	4.29E-189	7.78E-188	0.251473	chr14_88326601_883268(	sig	hyper
chr14	8.8E+07	8.8E+07	*	2.78E-114	1.84E-113	0.215299	chr14_88326801_883270(	sig	hyper
chr14	8.9E+07	8.9E+07	*	6.579E-33	1.304E-32	0.105693	chr14_88551201_885514(	sig	hyper
chr14	8.9E+07	8.9E+07	*	9.854E-37	2.105E-36	0.141604	chr14_88552001_885522(	sig	hyper
chr14	8.9E+07	8.9E+07	*	5.765E-13	6.998E-13	0.118903	chr14_89026801_890270(	sig	hyper
chr14	9E+07	9E+07	*	8.842E-29	1.613E-28	-0.15434	chr14_89701201_897014(	sig	hypo
chr14	9E+07	9E+07	*	4.655E-36	9.802E-36	-0.10078	chr14_89738201_897384(	sig	hypo
chr14	9E+07	9E+07	*	4.944E-95	2.527E-94	0.144319	chr14_90060201_900604(	sig	hyper
chr14	9E+07	9E+07	*	1.14E-225	3.29E-224	0.356749	chr14_90455201_904554(	sig	hyper
chr14	9.1E+07	9.1E+07	*	2.637E-47	6.738E-47	0.2595	chr14_90518201_905184(	sig	hyper
chr14	9.1E+07	9.1E+07	*	4.785E-19	6.947E-19	0.11389	chr14_90815201_908154(	sig	hyper
chr14	9.1E+07	9.1E+07	*	0	0	0.339694	chr14_91352201_913524(	sig	hyper
chr14	9.2E+07	9.2E+07	*	9.623E-59	2.941E-58	0.186324	chr14_92324201_923244(	sig	hyper
chr14	9.3E+07	9.3E+07	*	1.65E-93	8.244E-93	0.21541	chr14_92514801_925150(	sig	hyper
chr14	9.3E+07	9.3E+07	*	3.346E-52	9.216E-52	0.188121	chr14_92527801_925280(	sig	hyper
chr14	9.3E+07	9.3E+07	*	7.11E-132	5.9E-131	0.348992	chr14_92688001_926882(	sig	hyper
chr14	9.3E+07	9.3E+07	*	5.672E-25	9.532E-25	0.136755	chr14_92922801_929230(	sig	hyper
chr14	9.3E+07	9.3E+07	*	4.415E-39	9.825E-39	-0.16326	chr14_92946201_929464(	sig	hypo
chr14	9.3E+07	9.3E+07	*	1.013E-17	1.418E-17	0.146647	chr14_93430001_934302(	sig	hyper
chr14	9.4E+07	9.4E+07	*	1.38E-58	4.204E-58	-0.21501	chr14_93713401_937136(	sig	hypo
chr14	9.4E+07	9.4E+07	*	1.3E-140	1.21E-139	0.242444	chr14_93788201_937884(	sig	hyper
chr14	9.5E+07	9.5E+07	*	7.22E-122	5.25E-121	0.173857	chr14_94768401_947686(	sig	hyper
chr14	9.5E+07	9.5E+07	*	1.375E-77	5.515E-77	0.160793	chr14_94768601_947688(	sig	hyper
chr14	9.5E+07	9.5E+07	*	3.485E-63	1.139E-62	0.164134	chr14_94769401_947696(	sig	hyper
chr14	9.5E+07	9.5E+07	*	1.92E-264	9.28E-263	0.256085	chr14_94773001_947732(	sig	hyper
chr14	9.5E+07	9.5E+07	*	2.14E-93	1.066E-92	0.272924	chr14_94773801_947740(	sig	hyper
chr14	9.5E+07	9.5E+07	*	1.762E-83	7.671E-83	0.238753	chr14_94774001_947742(	sig	hyper
chr14	9.5E+07	9.5E+07	*	4.422E-42	1.035E-41	-0.15179	chr14_94891601_948918(	sig	hypo
chr14	9.5E+07	9.5E+07	*	1.47E-172	2.12E-171	0.333626	chr14_94936801_949370(	sig	hyper
chr14	9.5E+07	9.5E+07	*	0	0	0.349049	chr14_95227401_952276(	sig	hyper
chr14	9.6E+07	9.6E+07	*	5.929E-73	2.219E-72	0.20996	chr14_96285801_962860(	sig	hyper
chr14	9.7E+07	9.7E+07	*	9.445E-62	3.023E-61	0.149836	chr14_96592401_965926(	sig	hyper
chr14	9.7E+07	9.7E+07	*	5.809E-50	1.548E-49	0.157583	chr14_96593001_965932(	sig	hyper
chr14	9.7E+07	9.7E+07	*	2.771E-35	5.758E-35	-0.20555	chr14_96595001_965952(	sig	hypo
chr14	9.7E+07	9.7E+07	*	1.985E-37	4.297E-37	-0.18941	chr14_96615401_966156(	sig	hypo
chr14	9.7E+07	9.7E+07	*	1.274E-39	2.858E-39	-0.19408	chr14_96739601_967398(	sig	hypo
chr14	9.7E+07	9.7E+07	*	1.201E-24	2.004E-24	0.122562	chr14_97025801_970260(	sig	hyper
chr14	9.7E+07	9.7E+07	*	8.953E-82	3.805E-81	0.171946	chr14_97219001_972192(	sig	hyper
chr14	9.7E+07	9.7E+07	*	5.55E-155	6.29E-154	0.20519	chr14_97219201_972194(	sig	hyper
chr14	9.7E+07	9.7E+07	*	2.79E-237	9.47E-236	0.214499	chr14_97219401_972196(	sig	hyper
chr14	9.7E+07	9.7E+07	*	6.349E-20	9.431E-20	0.113951	chr14_97458001_974582(	sig	hyper
chr14	9.7E+07	9.7E+07	*	1.398E-27	2.492E-27	0.172846	chr14_97458401_974586(	sig	hyper
chr14	9.9E+07	9.9E+07	*	5.635E-19	8.165E-19	-0.1506	chr14_99066601_990668(	sig	hypo
chr14	9.9E+07	9.9E+07	*	4.21E-110	2.63E-109	0.26345	chr14_99118201_991184(	sig	hyper
chr14	9.9E+07	9.9E+07	*	2.133E-36	4.53E-36	-0.1265	chr14_99146801_991470(	sig	hypo
chr14	9.9E+07	9.9E+07	*	1.401E-89	6.638E-89	-0.12066	chr14_99189201_991894(	sig	hypo
chr14	9.9E+07	9.9E+07	*	9.16E-193	1.74E-191	0.405438	chr14_99215201_992154(	sig	hyper
chr14	9.9E+07	9.9E+07	*	5.452E-29	9.988E-29	0.180907	chr14_99215801_992160(	sig	hyper
chr14	9.9E+07	9.9E+07	*	3.875E-96	2.012E-95	0.301014	chr14_99246001_992462(	sig	hyper
chr14	9.9E+07	9.9E+07	*	5.664E-21	8.642E-21	0.143549	chr14_99247001_992472(	sig	hyper
chr14	9.9E+07	9.9E+07	*	5.148E-77	2.048E-76	-0.19822	chr14_99319801_993200(	sig	hypo
chr14	9.9E+07	9.9E+07	*	3.486E-61	1.104E-60	-0.18003	chr14_99321001_993212(	sig	hypo
chr14	1E+08	1E+08	*	1.06E-155	1.21E-154	0.330419	chr14_99512201_995124(	sig	hyper
chr14	1E+08	1E+08	*	4.562E-42	1.068E-41	0.149653	chr14_99522201_995224(	sig	hyper

chr14	1E+08	1E+08	*	1.955E-70	7.079E-70	0.120719	chr14_99548401_995486(	sig	hyper
chr14	1E+08	1E+08	*	2.263E-52	6.249E-52	-0.12022	chr14_99749001_997492(	sig	hypo
chr14	1E+08	1E+08	*	1.592E-23	2.587E-23	-0.13706	chr14_99757401_997576(	sig	hypo
chr14	1E+08	1E+08	*	2.47E-126	1.9E-125	0.257291	chr14_99792601_997928(	sig	hyper
chr14	1E+08	1E+08	*	1.65E-151	1.8E-150	0.255182	chr14_99792801_997930(	sig	hyper
chr14	1E+08	1E+08	*	1.478E-27	2.633E-27	-0.11993	chr14_99936201_999364(	sig	hypo
chr14	1E+08	1E+08	*	2.568E-20	3.855E-20	-0.11887	chr14_100147201_10014	sig	hypo
chr14	1E+08	1E+08	*	1.887E-24	3.134E-24	0.114262	chr14_100165401_10016	sig	hyper
chr14	1E+08	1E+08	*	1.661E-88	7.778E-88	-0.2907	chr14_100328801_10032	sig	hypo
chr14	1E+08	1E+08	*	7.618E-27	1.338E-26	0.167116	chr14_100569401_10056	sig	hyper
chr14	1E+08	1E+08	*	2.607E-29	4.804E-29	-0.12697	chr14_100657001_10065	sig	hypo
chr14	1E+08	1E+08	*	8.031E-39	1.778E-38	-0.13706	chr14_100691601_10069	sig	hypo
chr14	1E+08	1E+08	*	4.077E-35	8.442E-35	-0.13854	chr14_100693001_10069	sig	hypo
chr14	1E+08	1E+08	*	7.908E-39	1.752E-38	0.197537	chr14_100709601_10070	sig	hyper
chr14	1E+08	1E+08	*	6.044E-25	1.015E-24	0.140442	chr14_100726401_10072	sig	hyper
chr14	1E+08	1E+08	*	1.014E-26	1.775E-26	0.181111	chr14_100824201_10082	sig	hyper
chr14	1E+08	1E+08	*	4.691E-14	5.901E-14	-0.10079	chr14_100824601_10082	sig	hypo
chr14	1E+08	1E+08	*	5.773E-39	1.282E-38	0.167387	chr14_100825401_10082	sig	hyper
chr14	1E+08	1E+08	*	1.164E-26	2.035E-26	0.118201	chr14_100826201_10082	sig	hyper
chr14	1E+08	1E+08	*	1.284E-31	2.479E-31	0.161975	chr14_100826401_10082	sig	hyper
chr14	1E+08	1E+08	*	6.127E-55	1.766E-54	0.186625	chr14_100826601_10082	sig	hyper
chr14	1E+08	1E+08	*	9.535E-21	1.447E-20	0.165322	chr14_100827001_10082	sig	hyper
chr14	1E+08	1E+08	*	5.407E-50	1.442E-49	-0.25424	chr14_100836001_10083	sig	hypo
chr14	1E+08	1E+08	*	7.255E-18	1.019E-17	-0.11233	chr14_100884601_10088	sig	hypo
chr14	1E+08	1E+08	*	2.039E-21	3.144E-21	-0.11392	chr14_100893401_10089	sig	hypo
chr14	1E+08	1E+08	*	1.851E-87	8.515E-87	-0.21099	chr14_100893801_10089	sig	hypo
chr14	1E+08	1E+08	*	5.52E-115	3.7E-114	-0.23616	chr14_101022001_10102	sig	hypo
chr14	1E+08	1E+08	*	5.76E-42	1.347E-41	-0.13427	chr14_101023401_10102	sig	hypo
chr14	1E+08	1E+08	*	1.766E-42	4.162E-42	-0.14829	chr14_101023801_10102	sig	hypo
chr14	1E+08	1E+08	*	1.471E-53	4.151E-53	-0.13192	chr14_101030001_10103	sig	hypo
chr14	1E+08	1E+08	*	1.198E-66	4.113E-66	-0.18586	chr14_101044001_10104	sig	hypo
chr14	1E+08	1E+08	*	3.83E-151	4.17E-150	-0.32073	chr14_101060601_10106	sig	hypo
chr14	1E+08	1E+08	*	2.577E-31	4.944E-31	-0.15551	chr14_101062001_10106	sig	hypo
chr14	1E+08	1E+08	*	2.059E-66	7.051E-66	-0.17549	chr14_101064401_10106	sig	hypo
chr14	1E+08	1E+08	*	3.734E-57	1.116E-56	-0.12386	chr14_101065201_10106	sig	hypo
chr14	1E+08	1E+08	*	4.132E-49	1.088E-48	-0.13424	chr14_101065601_10106	sig	hypo
chr14	1E+08	1E+08	*	2.189E-18	3.121E-18	-0.10551	chr14_101069001_10106	sig	hypo
chr14	1E+08	1E+08	*	5.75E-82	2.454E-81	0.23341	chr14_101232801_10123	sig	hyper
chr14	1E+08	1E+08	*	6.446E-15	8.335E-15	0.11992	chr14_101364401_10136	sig	hyper
chr14	1E+08	1E+08	*	1.55E-134	1.33E-133	0.285554	chr14_101364601_10136	sig	hyper
chr14	1E+08	1E+08	*	2.617E-67	9.065E-67	0.13875	chr14_101374401_10137	sig	hyper
chr14	1E+08	1E+08	*	5.747E-36	1.207E-35	-0.12165	chr14_101409001_10140	sig	hypo
chr14	1E+08	1E+08	*	7.04E-127	5.47E-126	-0.28609	chr14_101442401_10144	sig	hypo
chr14	1E+08	1E+08	*	6.33E-102	3.52E-101	0.209101	chr14_101456801_10145	sig	hyper
chr14	1E+08	1E+08	*	1.45E-148	1.5E-147	0.239965	chr14_101565001_10156	sig	hyper
chr14	1E+08	1E+08	*	3.711E-40	8.413E-40	-0.136	chr14_101590801_10159	sig	hypo
chr14	1E+08	1E+08	*	5.8E-124	4.34E-123	0.346201	chr14_101781801_10178	sig	hyper
chr14	1E+08	1E+08	*	2.29E-120	1.63E-119	0.224576	chr14_101928001_10192	sig	hyper
chr14	1E+08	1E+08	*	4.802E-20	7.16E-20	0.117435	chr14_101955801_10195	sig	hyper
chr14	1E+08	1E+08	*	6.953E-51	1.876E-50	0.152011	chr14_102215601_10221	sig	hyper
chr14	1E+08	1E+08	*	6.688E-82	2.85E-81	-0.25095	chr14_102321201_10232	sig	hypo
chr14	1E+08	1E+08	*	1.139E-50	3.065E-50	-0.17301	chr14_102508401_10250	sig	hypo
chr14	1E+08	1E+08	*	4.501E-29	8.26E-29	-0.12295	chr14_102523801_10252	sig	hypo
chr14	1E+08	1E+08	*	9.229E-34	1.861E-33	0.192989	chr14_102545801_10254	sig	hyper
chr14	1E+08	1E+08	*	2.873E-79	1.181E-78	0.191575	chr14_102555601_10255	sig	hyper
chr14	1E+08	1E+08	*	1.148E-24	1.918E-24	-0.13408	chr14_102922401_10292	sig	hypo

chr14	1E+08	1E+08	*	1.974E-78	8.011E-78	0.268773	chr14_102923601_10292	sig	hyper
chr14	1E+08	1E+08	*	1.066E-27	1.903E-27	-0.1806	chr14_102927601_10292	sig	hypo
chr14	1E+08	1E+08	*	1.841E-53	5.179E-53	-0.13032	chr14_102928001_10292	sig	hypo
chr14	1E+08	1E+08	*	7.745E-54	2.195E-53	0.167228	chr14_102949801_10295	sig	hyper
chr14	1E+08	1E+08	*	4.357E-89	2.054E-88	0.130377	chr14_103102001_10310	sig	hyper
chr14	1E+08	1E+08	*	3.686E-61	1.166E-60	0.263129	chr14_103102601_10310	sig	hyper
chr14	1E+08	1E+08	*	3.737E-42	8.761E-42	0.23304	chr14_103102801_10310	sig	hyper
chr14	1E+08	1E+08	*	8.19E-35	1.687E-34	-0.13145	chr14_103107601_10310	sig	hypo
chr14	1E+08	1E+08	*	1.921E-26	3.344E-26	0.124254	chr14_103110001_10311	sig	hyper
chr14	1E+08	1E+08	*	9.477E-13	1.141E-12	-0.11009	chr14_103116801_10311	sig	hypo
chr14	1E+08	1E+08	*	2.645E-87	1.214E-86	0.129958	chr14_103188801_10318	sig	hyper
chr14	1E+08	1E+08	*	1.173E-30	2.222E-30	0.124849	chr14_103207401_10320	sig	hyper
chr14	1E+08	1E+08	*	3.981E-47	1.015E-46	0.109001	chr14_103207801_10320	sig	hyper
chr14	1E+08	1E+08	*	3.272E-81	1.379E-80	0.177614	chr14_103221001_10322	sig	hyper
chr14	1E+08	1E+08	*	3.85E-18	5.447E-18	0.104707	chr14_103221201_10322	sig	hyper
chr14	1E+08	1E+08	*	1.472E-24	2.451E-24	-0.13388	chr14_103225001_10322	sig	hypo
chr14	1E+08	1E+08	*	8.322E-53	2.318E-52	-0.17903	chr14_103225201_10322	sig	hypo
chr14	1E+08	1E+08	*	9.079E-58	2.738E-57	0.178503	chr14_103225601_10322	sig	hyper
chr14	1E+08	1E+08	*	1.135E-16	1.542E-16	0.111518	chr14_103279801_10328	sig	hyper
chr14	1E+08	1E+08	*	4.05E-289	2.6E-287	0.354938	chr14_103519801_10352	sig	hyper
chr14	1E+08	1E+08	*	6.98E-178	1.07E-176	0.241983	chr14_103520001_10352	sig	hyper
chr14	1E+08	1E+08	*	1.725E-85	7.721E-85	0.138314	chr14_103523001_10352	sig	hyper
chr14	1E+08	1E+08	*	1.17E-222	3.26E-221	0.23582	chr14_103523201_10352	sig	hyper
chr14	1E+08	1E+08	*	1.444E-81	6.117E-81	0.245822	chr14_103523401_10352	sig	hyper
chr14	1E+08	1E+08	*	3.073E-18	4.36E-18	-0.12159	chr14_103693601_10369	sig	hypo
chr14	1E+08	1E+08	*	3.673E-30	6.894E-30	0.206306	chr14_103696601_10369	sig	hyper
chr14	1E+08	1E+08	*	2.346E-23	3.797E-23	0.100353	chr14_103698001_10369	sig	hyper
chr14	1E+08	1E+08	*	1.149E-78	4.683E-78	-0.20611	chr14_103699001_10369	sig	hypo
chr14	1E+08	1E+08	*	2.965E-47	7.573E-47	0.203629	chr14_103712601_10371	sig	hyper
chr14	1E+08	1E+08	*	7.443E-41	1.706E-40	0.144909	chr14_103712801_10371	sig	hyper
chr14	1E+08	1E+08	*	3.808E-63	1.243E-62	0.275041	chr14_103718801_10371	sig	hyper
chr14	1E+08	1E+08	*	3.177E-95	1.629E-94	0.191799	chr14_103727801_10372	sig	hyper
chr14	1E+08	1E+08	*	1.186E-62	3.84E-62	-0.17054	chr14_103872401_10387	sig	hypo
chr14	1E+08	1E+08	*	1.16E-99	6.26E-99	-0.30467	chr14_103879401_10387	sig	hypo
chr14	1E+08	1E+08	*	2.397E-59	7.386E-59	-0.15813	chr14_103889601_10388	sig	hypo
chr14	1E+08	1E+08	*	1.394E-29	2.584E-29	-0.15338	chr14_104134201_10413	sig	hypo
chr14	1E+08	1E+08	*	8.671E-22	1.35E-21	-0.10357	chr14_104157001_10415	sig	hypo
chr14	1E+08	1E+08	*	1.391E-45	3.445E-45	-0.21552	chr14_104158801_10415	sig	hypo
chr14	1E+08	1E+08	*	4.603E-40	1.042E-39	-0.20545	chr14_104159001_10415	sig	hypo
chr14	1E+08	1E+08	*	5.304E-12	6.21E-12	-0.1245	chr14_104159201_10415	sig	hypo
chr14	1E+08	1E+08	*	8.64E-27	1.515E-26	-0.1338	chr14_104180001_10418	sig	hypo
chr14	1E+08	1E+08	*	1.671E-54	4.786E-54	-0.19686	chr14_104182001_10418	sig	hypo
chr14	1E+08	1E+08	*	1.885E-30	3.556E-30	-0.11372	chr14_104303801_10430	sig	hypo
chr14	1E+08	1E+08	*	8.16E-25	1.367E-24	-0.13055	chr14_104304201_10430	sig	hypo
chr14	1E+08	1E+08	*	1.836E-27	3.266E-27	-0.11986	chr14_104304601_10430	sig	hypo
chr14	1E+08	1E+08	*	1.205E-75	4.703E-75	-0.2197	chr14_104357601_10435	sig	hypo
chr14	1E+08	1E+08	*	5.517E-48	1.425E-47	-0.14979	chr14_104390001_10439	sig	hypo
chr14	1E+08	1E+08	*	4.154E-19	6.042E-19	-0.16442	chr14_104390201_10439	sig	hypo
chr14	1E+08	1E+08	*	5.82E-104	3.32E-103	0.20479	chr14_104422601_10442	sig	hyper
chr14	1E+08	1E+08	*	3.5E-117	2.4E-116	0.254554	chr14_104450801_10445	sig	hyper
chr14	1E+08	1E+08	*	3.586E-56	1.055E-55	-0.18759	chr14_104564801_10456	sig	hypo
chr14	1E+08	1E+08	*	1.363E-37	2.96E-37	0.192147	chr14_104569601_10456	sig	hyper
chr14	1E+08	1E+08	*	1.196E-59	3.703E-59	0.126221	chr14_104604401_10460	sig	hyper
chr14	1E+08	1E+08	*	1.57E-82	6.75E-82	0.129388	chr14_104604601_10460	sig	hyper
chr14	1E+08	1E+08	*	3.21E-121	2.31E-120	0.300244	chr14_104605001_10460	sig	hyper
chr14	1E+08	1E+08	*	6.97E-142	6.59E-141	-0.37441	chr14_104637201_10463	sig	hypo

chr14	1E+08	1E+08	*	1.38E-151	1.51E-150	-0.45057	chr14_104637401_104637	sig	hypo
chr14	1E+08	1E+08	*	2.299E-35	4.785E-35	-0.11092	chr14_104638401_104638	sig	hypo
chr14	1E+08	1E+08	*	2.769E-38	6.073E-38	-0.19842	chr14_104687001_104687	sig	hypo
chr14	1E+08	1E+08	*	9.285E-13	1.118E-12	0.104973	chr14_104707201_104707	sig	hyper
chr14	1E+08	1E+08	*	1.829E-32	3.592E-32	0.165958	chr14_104717601_104717	sig	hyper
chr14	1E+08	1E+08	*	7.436E-73	2.779E-72	0.182815	chr14_104717801_104718	sig	hyper
chr14	1E+08	1E+08	*	3.245E-57	9.713E-57	-0.19599	chr14_104728601_104728	sig	hypo
chr14	1E+08	1E+08	*	2.543E-39	5.679E-39	-0.17503	chr14_104740001_104740	sig	hypo
chr14	1E+08	1E+08	*	1.277E-15	1.686E-15	0.121213	chr14_104784801_104785	sig	hyper
chr14	1E+08	1E+08	*	2.333E-39	5.214E-39	0.158851	chr14_104785001_104785	sig	hyper
chr14	1E+08	1E+08	*	8.565E-64	2.83E-63	0.144501	chr14_104843401_104843	sig	hyper
chr14	1E+08	1E+08	*	5.99E-130	4.84E-129	0.153993	chr14_104844001_104844	sig	hyper
chr14	1E+08	1E+08	*	1.2E-183	1.99E-182	0.368979	chr14_104844201_104844	sig	hyper
chr14	1E+08	1E+08	*	4.93E-186	8.52E-185	0.302053	chr14_104844601_104844	sig	hyper
chr14	1E+08	1E+08	*	5.346E-27	9.414E-27	0.141917	chr14_104899001_104899	sig	hyper
chr14	1E+08	1E+08	*	3.186E-42	7.477E-42	-0.22734	chr14_104926801_104927	sig	hypo
chr14	1E+08	1E+08	*	1.628E-32	3.201E-32	-0.11373	chr14_104945601_104945	sig	hypo
chr14	1E+08	1E+08	*	9.758E-37	2.085E-36	-0.14246	chr14_104946601_104946	sig	hypo
chr14	1.1E+08	1.1E+08	*	4.871E-32	9.484E-32	0.143984	chr14_105011801_105012	sig	hyper
chr14	1.1E+08	1.1E+08	*	1.057E-23	1.724E-23	-0.11571	chr14_105137001_105137	sig	hypo
chr14	1.1E+08	1.1E+08	*	6.863E-29	1.254E-28	0.14022	chr14_105200801_105201	sig	hyper
chr14	1.1E+08	1.1E+08	*	6.143E-36	1.29E-35	0.150812	chr14_105249401_105249	sig	hyper
chr14	1.1E+08	1.1E+08	*	4.564E-40	1.033E-39	0.112079	chr14_105249601_105249	sig	hyper
chr14	1.1E+08	1.1E+08	*	1.659E-28	3.009E-28	0.12172	chr14_105313401_105313	sig	hyper
chr14	1.1E+08	1.1E+08	*	5.577E-26	9.606E-26	0.133934	chr14_105313601_105313	sig	hyper
chr14	1.1E+08	1.1E+08	*	1.704E-34	3.489E-34	0.149227	chr14_105317201_105317	sig	hyper
chr14	1.1E+08	1.1E+08	*	1.075E-19	1.587E-19	-0.12157	chr14_105326001_105326	sig	hypo
chr14	1.1E+08	1.1E+08	*	5.827E-90	2.778E-89	-0.21864	chr14_105478201_105478	sig	hypo
chr14	1.1E+08	1.1E+08	*	6E-121	4.31E-120	-0.23778	chr14_105480001_105480	sig	hypo
chr14	1.1E+08	1.1E+08	*	2.672E-28	4.823E-28	0.126623	chr14_105527801_105528	sig	hyper
chr14	1.1E+08	1.1E+08	*	4.4E-25	7.41E-25	0.101938	chr14_105529001_105529	sig	hyper
chr14	1.1E+08	1.1E+08	*	7.429E-23	1.187E-22	-0.12544	chr14_105538201_105538	sig	hypo
chr14	1.1E+08	1.1E+08	*	4.683E-33	9.31E-33	-0.15265	chr14_105558601_105558	sig	hypo
chr14	1.1E+08	1.1E+08	*	6.404E-44	1.546E-43	-0.2466	chr14_105564601_105564	sig	hypo
chr14	1.1E+08	1.1E+08	*	2.669E-26	4.629E-26	-0.12112	chr14_105598201_105598	sig	hypo
chr14	1.1E+08	1.1E+08	*	2.121E-35	4.418E-35	-0.14014	chr14_105625001_105625	sig	hypo
chr14	1.1E+08	1.1E+08	*	1.948E-35	4.061E-35	-0.14852	chr14_105707401_105707	sig	hypo
chr14	1.1E+08	1.1E+08	*	5.371E-29	9.84E-29	-0.17006	chr14_105708001_105708	sig	hypo
chr14	1.1E+08	1.1E+08	*	1.336E-31	2.578E-31	-0.12091	chr14_105722401_105722	sig	hypo
chr14	1.1E+08	1.1E+08	*	4.455E-44	1.078E-43	-0.19408	chr14_105763201_105763	sig	hypo
chr14	1.1E+08	1.1E+08	*	1.783E-67	6.192E-67	-0.19266	chr14_105769801_105770	sig	hypo
chr14	1.1E+08	1.1E+08	*	1.572E-26	2.742E-26	-0.10492	chr14_105854601_105854	sig	hypo
chr14	1.1E+08	1.1E+08	*	2.285E-24	3.784E-24	-0.15493	chr14_105856001_105856	sig	hypo
chr14	1.1E+08	1.1E+08	*	6.899E-41	1.582E-40	-0.17	chr14_106205801_106206	sig	hypo
chr14	1.1E+08	1.1E+08	*	2.765E-26	4.794E-26	-0.11222	chr14_106206601_106206	sig	hypo
chr14	1.1E+08	1.1E+08	*	3.955E-87	1.81E-86	-0.22992	chr14_106802601_106802	sig	hypo
chr14	1.1E+08	1.1E+08	*	9.009E-74	3.416E-73	-0.23465	chr14_106844401_106844	sig	hypo
chr15	2.2E+07	2.2E+07	*	8.37E-141	7.81E-140	-0.37134	chr15_22262601_222628	sig	hypo
chr15	2.3E+07	2.3E+07	*	5.76E-122	4.19E-121	0.194864	chr15_22714401_227146	sig	hyper
chr15	2.3E+07	2.3E+07	*	1.37E-21	2.122E-21	0.125183	chr15_22758001_227582	sig	hyper
chr15	2.3E+07	2.3E+07	*	1.72E-124	1.29E-123	0.264892	chr15_22951801_229520	sig	hyper
chr15	2.3E+07	2.3E+07	*	2.74E-35	5.694E-35	-0.16979	chr15_22957001_229572	sig	hypo
chr15	2.3E+07	2.3E+07	*	4.492E-86	2.028E-85	-0.24182	chr15_23180601_231808	sig	hypo
chr15	2.4E+07	2.4E+07	*	4.634E-52	1.274E-51	0.205866	chr15_23686401_236866	sig	hyper
chr15	2.4E+07	2.4E+07	*	1.113E-70	4.046E-70	0.151931	chr15_23878001_238782	sig	hyper
chr15	2.4E+07	2.4E+07	*	1.449E-58	4.412E-58	0.119616	chr15_23878201_238784	sig	hyper

chr15	2.4E+07	2.4E+07	*	2.235E-83	9.719E-83	0.250945	chr15_23897801_238980(	sig	hyper
chr15	2.4E+07	2.4E+07	*	1.22E-137	1.09E-136	0.220522	chr15_24101801_241020(	sig	hyper
chr15	2.4E+07	2.4E+07	*	1.178E-18	1.692E-18	0.138797	chr15_24477601_244778(	sig	hyper
chr15	2.4E+07	2.4E+07	*	4.159E-53	1.165E-52	0.176416	chr15_24477801_244780(	sig	hyper
chr15	2.5E+07	2.5E+07	*	5.958E-30	1.113E-29	-0.10326	chr15_24675201_246754(	sig	hypo
chr15	2.5E+07	2.5E+07	*	6.15E-149	6.44E-148	0.234243	chr15_24773001_247732(	sig	hyper
chr15	2.5E+07	2.5E+07	*	3.612E-53	1.012E-52	0.182656	chr15_24773201_247734(	sig	hyper
chr15	2.5E+07	2.5E+07	*	5.273E-67	1.82E-66	0.235959	chr15_24848201_248484(	sig	hyper
chr15	2.5E+07	2.5E+07	*	2.1E-144	2.05E-143	0.233111	chr15_24878201_248784(	sig	hyper
chr15	2.5E+07	2.5E+07	*	6.788E-34	1.372E-33	0.200555	chr15_24878401_248786(	sig	hyper
chr15	2.5E+07	2.5E+07	*	6.297E-14	7.888E-14	0.133942	chr15_24955001_249552(	sig	hyper
chr15	2.5E+07	2.5E+07	*	6.844E-36	1.436E-35	-0.1838	chr15_25241401_252416(	sig	hypo
chr15	2.6E+07	2.6E+07	*	1.831E-39	4.097E-39	-0.15064	chr15_25727201_257274(	sig	hypo
chr15	2.6E+07	2.6E+07	*	1.63E-119	1.15E-118	0.188277	chr15_25863401_258636(	sig	hyper
chr15	2.6E+07	2.6E+07	*	2.17E-127	1.7E-126	0.186704	chr15_25863601_258638(	sig	hyper
chr15	2.6E+07	2.6E+07	*	2.118E-20	3.185E-20	-0.10227	chr15_26057001_260572(	sig	hypo
chr15	2.7E+07	2.7E+07	*	2.072E-38	4.556E-38	-0.1571	chr15_26629801_266300(	sig	hypo
chr15	2.7E+07	2.7E+07	*	1.15E-28	2.091E-28	0.125728	chr15_26866601_268668(	sig	hyper
chr15	2.7E+07	2.7E+07	*	5.414E-78	2.185E-77	0.235331	chr15_26866801_268670(	sig	hyper
chr15	2.7E+07	2.7E+07	*	8.597E-86	3.861E-85	0.281382	chr15_26968001_269682(	sig	hyper
chr15	2.7E+07	2.7E+07	*	1.201E-92	5.91E-92	0.201568	chr15_26970801_269710(	sig	hyper
chr15	2.8E+07	2.8E+07	*	8.306E-40	1.87E-39	-0.11797	chr15_27656601_276568(	sig	hypo
chr15	2.8E+07	2.8E+07	*	1.741E-32	3.42E-32	0.155324	chr15_27769001_277692(	sig	hyper
chr15	2.8E+07	2.8E+07	*	3.773E-97	1.984E-96	0.13953	chr15_28096601_280968(	sig	hyper
chr15	2.8E+07	2.8E+07	*	3.648E-94	1.838E-93	0.2089	chr15_28097001_280972(	sig	hyper
chr15	2.8E+07	2.8E+07	*	4.38E-217	1.15E-215	0.303808	chr15_28107201_281074(	sig	hyper
chr15	2.8E+07	2.8E+07	*	7.35E-151	7.94E-150	0.325044	chr15_28107401_281076(	sig	hyper
chr15	2.9E+07	2.9E+07	*	2.2E-145	2.18E-144	0.255649	chr15_28832001_288322(	sig	hyper
chr15	2.9E+07	2.9E+07	*	2.2E-126	1.7E-125	0.223268	chr15_28832201_288324(	sig	hyper
chr15	2.9E+07	2.9E+07	*	7.11E-172	1.01E-170	0.209776	chr15_28832401_288326(	sig	hyper
chr15	2.9E+07	2.9E+07	*	1.08E-102	6.09E-102	0.238979	chr15_29115601_291158(	sig	hyper
chr15	2.9E+07	2.9E+07	*	1.235E-64	4.127E-64	-0.15674	chr15_29136401_291366(	sig	hypo
chr15	2.9E+07	2.9E+07	*	7.52E-52	2.062E-51	-0.17943	chr15_29149601_291498(	sig	hypo
chr15	3E+07	3E+07	*	5.733E-59	1.758E-58	0.113043	chr15_29675201_296754(	sig	hyper
chr15	3.1E+07	3.1E+07	*	3.039E-52	8.374E-52	-0.17376	chr15_30883001_308832(	sig	hypo
chr15	3.1E+07	3.1E+07	*	6.422E-67	2.213E-66	-0.15432	chr15_31216601_312168(	sig	hypo
chr15	3.1E+07	3.1E+07	*	7.37E-21	1.121E-20	0.125297	chr15_31305001_313052(	sig	hyper
chr15	3.1E+07	3.1E+07	*	1.59E-52	4.409E-52	0.236297	chr15_31483001_314832(	sig	hyper
chr15	3.3E+07	3.3E+07	*	1.768E-67	6.142E-67	0.214103	chr15_33311601_333118(	sig	hyper
chr15	3.4E+07	3.4E+07	*	6.067E-95	3.095E-94	0.258503	chr15_34495601_344958(	sig	hyper
chr15	3.5E+07	3.5E+07	*	4.877E-63	1.589E-62	0.272346	chr15_34754401_347546(	sig	hyper
chr15	3.5E+07	3.5E+07	*	8.62E-77	3.421E-76	0.216895	chr15_34754801_347550(	sig	hyper
chr15	3.7E+07	3.7E+07	*	2.97E-136	2.6E-135	0.314812	chr15_37093601_370938(	sig	hyper
chr15	3.7E+07	3.7E+07	*	4.805E-55	1.388E-54	0.272352	chr15_37095201_370954(	sig	hyper
chr15	3.7E+07	3.7E+07	*	2.637E-52	7.274E-52	0.245201	chr15_37096201_370964(	sig	hyper
chr15	3.7E+07	3.7E+07	*	3.56E-100	1.94E-99	0.231643	chr15_37097201_370974(	sig	hyper
chr15	3.7E+07	3.7E+07	*	5.24E-290	3.44E-288	0.35629	chr15_37098001_370982(	sig	hyper
chr15	3.7E+07	3.7E+07	*	5.268E-79	2.156E-78	0.221282	chr15_37102401_371026(	sig	hyper
chr15	3.7E+07	3.7E+07	*	3.02E-185	5.16E-184	0.262182	chr15_37102801_371030(	sig	hyper
chr15	3.7E+07	3.7E+07	*	7.713E-85	3.424E-84	0.178623	chr15_37106801_371070(	sig	hyper
chr15	4E+07	4E+07	*	2.315E-45	5.712E-45	-0.19462	chr15_40072401_400726(	sig	hypo
chr15	4E+07	4E+07	*	3.485E-31	6.672E-31	0.149485	chr15_40291001_402912(	sig	hyper
chr15	4E+07	4E+07	*	1.73E-118	1.21E-117	0.265517	chr15_40322801_403230(	sig	hyper
chr15	4E+07	4E+07	*	1.04E-45	2.58E-45	0.155955	chr15_40323001_403232(	sig	hyper
chr15	4.1E+07	4.1E+07	*	7.05E-149	7.38E-148	-0.29741	chr15_40770001_407702(	sig	hypo
chr15	4.1E+07	4.1E+07	*	7.08E-144	6.87E-143	-0.24389	chr15_40927001_409272(	sig	hypo

chr15	4.1E+07	4.1E+07	*	4.447E-21	6.8E-21	-0.12159	chr15_41152401_411526(	sig	hypo
chr15	4.1E+07	4.1E+07	*	3.707E-46	9.275E-46	-0.19796	chr15_41403001_414032(	sig	hypo
chr15	4.2E+07	4.2E+07	*	8.296E-21	1.261E-20	0.123242	chr15_41501601_415018(	sig	hyper
chr15	4.2E+07	4.2E+07	*	3.36E-39	7.489E-39	0.140048	chr15_41513201_415134(	sig	hyper
chr15	4.2E+07	4.2E+07	*	3.133E-60	9.796E-60	-0.21332	chr15_41894201_418944(	sig	hypo
chr15	4.2E+07	4.2E+07	*	1.101E-92	5.425E-92	-0.15314	chr15_41894801_418950(	sig	hypo
chr15	4.2E+07	4.2E+07	*	1.436E-46	3.624E-46	-0.12812	chr15_42057401_420576(	sig	hypo
chr15	4.3E+07	4.3E+07	*	3.993E-19	5.809E-19	-0.1033	chr15_43210801_432110(	sig	hypo
chr15	4.3E+07	4.3E+07	*	2.05E-140	1.9E-139	0.241613	chr15_43329601_433298(	sig	hyper
chr15	4.4E+07	4.4E+07	*	5.401E-70	1.944E-69	0.124673	chr15_43649201_436494(	sig	hyper
chr15	4.5E+07	4.5E+07	*	1.456E-26	2.541E-26	0.173484	chr15_45111801_451120(	sig	hyper
chr15	4.5E+07	4.5E+07	*	6.414E-17	8.77E-17	0.141514	chr15_45116401_451166(	sig	hyper
chr15	4.5E+07	4.5E+07	*	4.55E-99	2.446E-98	0.253889	chr15_45116601_451168(	sig	hyper
chr15	4.5E+07	4.5E+07	*	2.741E-33	5.477E-33	0.181252	chr15_45118001_451182(	sig	hyper
chr15	4.5E+07	4.5E+07	*	1.952E-28	3.535E-28	0.134194	chr15_45187401_451876(	sig	hyper
chr15	4.5E+07	4.5E+07	*	1.08E-127	8.53E-127	0.23034	chr15_45378201_453784(	sig	hyper
chr15	4.5E+07	4.5E+07	*	7.499E-81	3.145E-80	0.213388	chr15_45378801_453790(	sig	hyper
chr15	4.5E+07	4.5E+07	*	1.3E-107	7.85E-107	0.244392	chr15_45379001_453792(	sig	hyper
chr15	4.6E+07	4.6E+07	*	6.764E-36	1.419E-35	-0.10836	chr15_45634401_456346(	sig	hypo
chr15	4.6E+07	4.6E+07	*	2.8E-129	2.24E-128	0.212734	chr15_45704201_457044(	sig	hyper
chr15	4.6E+07	4.6E+07	*	5.7E-256	2.46E-254	0.298938	chr15_45704401_457046(	sig	hyper
chr15	4.7E+07	4.7E+07	*	4.524E-41	1.041E-40	0.181109	chr15_47184001_471842(	sig	hyper
chr15	4.7E+07	4.7E+07	*	3.91E-181	6.31E-180	0.26461	chr15_47184801_471850(	sig	hyper
chr15	4.9E+07	4.9E+07	*	2.822E-91	1.37E-90	0.141731	chr15_48644601_486448(	sig	hyper
chr15	5.1E+07	5.1E+07	*	2.637E-26	4.574E-26	0.137096	chr15_51093601_510938(	sig	hyper
chr15	5.1E+07	5.1E+07	*	2.169E-60	6.796E-60	0.10969	chr15_51095401_510956(	sig	hyper
chr15	5.2E+07	5.2E+07	*	2.651E-48	6.885E-48	0.147798	chr15_51751001_517512(	sig	hyper
chr15	5.3E+07	5.3E+07	*	2.254E-15	2.956E-15	0.109187	chr15_52530201_525304(	sig	hyper
chr15	5.3E+07	5.3E+07	*	9.81E-104	5.58E-103	0.190224	chr15_52783201_527834(	sig	hyper
chr15	5.3E+07	5.3E+07	*	4.9E-55	1.415E-54	0.189524	chr15_52783401_527836(	sig	hyper
chr15	5.3E+07	5.3E+07	*	7.03E-30	1.311E-29	0.115615	chr15_52784001_527842(	sig	hyper
chr15	5.3E+07	5.3E+07	*	3.14E-136	2.75E-135	0.216373	chr15_52785801_527860(	sig	hyper
chr15	5.3E+07	5.3E+07	*	4.71E-167	6.29E-166	0.303915	chr15_52788201_527884(	sig	hyper
chr15	5.3E+07	5.3E+07	*	4.658E-79	1.91E-78	0.314564	chr15_52788601_527888(	sig	hyper
chr15	5.3E+07	5.3E+07	*	3.8E-150	4.08E-149	0.346307	chr15_52789001_527892(	sig	hyper
chr15	5.3E+07	5.3E+07	*	1.645E-27	2.929E-27	0.143615	chr15_52791201_527914(	sig	hyper
chr15	5.3E+07	5.3E+07	*	3.64E-103	2.05E-102	0.257297	chr15_52794401_527946(	sig	hyper
chr15	5.3E+07	5.3E+07	*	3.04E-128	2.4E-127	0.204623	chr15_52794601_527948(	sig	hyper
chr15	5.3E+07	5.3E+07	*	2.237E-84	9.873E-84	0.281412	chr15_52794801_527950(	sig	hyper
chr15	5.3E+07	5.3E+07	*	7.788E-39	1.725E-38	0.212026	chr15_52795001_527952(	sig	hyper
chr15	5.3E+07	5.3E+07	*	1.025E-68	3.62E-68	0.209412	chr15_52795201_527954(	sig	hyper
chr15	5.3E+07	5.3E+07	*	5.669E-50	1.511E-49	0.177348	chr15_52795401_527956(	sig	hyper
chr15	5.3E+07	5.3E+07	*	1.94E-22	3.068E-22	0.127741	chr15_52798401_527986(	sig	hyper
chr15	5.3E+07	5.3E+07	*	1.634E-72	6.077E-72	0.25084	chr15_52798601_527988(	sig	hyper
chr15	5.3E+07	5.3E+07	*	5.407E-16	7.204E-16	0.13412	chr15_52800801_528010(	sig	hyper
chr15	5.3E+07	5.3E+07	*	1.129E-34	2.319E-34	0.117256	chr15_52801201_528014(	sig	hyper
chr15	5.6E+07	5.6E+07	*	1.14E-119	8.02E-119	0.157545	chr15_55588601_555888(	sig	hyper
chr15	5.6E+07	5.6E+07	*	4.41E-192	8.31E-191	0.206262	chr15_55588801_555890(	sig	hyper
chr15	5.6E+07	5.6E+07	*	1.329E-34	2.727E-34	0.213182	chr15_55589001_555892(	sig	hyper
chr15	5.7E+07	5.7E+07	*	3.007E-36	6.365E-36	-0.17849	chr15_57303001_573032(	sig	hypo
chr15	5.7E+07	5.7E+07	*	5.892E-77	2.343E-76	-0.13315	chr15_57326401_573266(	sig	hypo
chr15	5.8E+07	5.8E+07	*	3.348E-57	1.002E-56	0.12576	chr15_58065001_580652(	sig	hyper
chr15	5.9E+07	5.9E+07	*	2.518E-52	6.951E-52	0.220536	chr15_58864801_588650(	sig	hyper
chr15	6E+07	6E+07	*	0	0	0.478231	chr15_59993401_599936(	sig	hyper
chr15	6E+07	6E+07	*	1.433E-98	7.655E-98	0.283419	chr15_59994201_599944(	sig	hyper
chr15	6E+07	6E+07	*	6.49E-155	7.35E-154	0.255192	chr15_59994801_599950(	sig	hyper

chr15	6E+07	6E+07	*	7.47E-137	6.6E-136	0.233954	chr15_59995201_599954(	sig	hyper
chr15	6E+07	6E+07	*	1.328E-55	3.876E-55	0.248619	chr15_60001801_600020(	sig	hyper
chr15	6E+07	6E+07	*	7.19E-123	5.3E-122	0.244274	chr15_60002201_600024(	sig	hyper
chr15	6E+07	6E+07	*	7.702E-13	9.303E-13	0.100241	chr15_60002801_600030(	sig	hyper
chr15	6E+07	6E+07	*	3.62E-32	7.067E-32	0.127957	chr15_60003001_600032(	sig	hyper
chr15	6E+07	6E+07	*	1.432E-68	5.043E-68	0.10215	chr15_60003801_600040(	sig	hyper
chr15	6.1E+07	6.1E+07	*	2.397E-93	1.192E-92	0.196499	chr15_61227201_612274(	sig	hyper
chr15	6.1E+07	6.1E+07	*	4.914E-44	1.188E-43	0.173528	chr15_61227401_612276(	sig	hyper
chr15	6.1E+07	6.1E+07	*	6.928E-74	2.633E-73	0.24117	chr15_61229801_612300(	sig	hyper
chr15	6.3E+07	6.3E+07	*	1.02E-99	5.54E-99	0.25065	chr15_63041601_630418(	sig	hyper
chr15	6.4E+07	6.4E+07	*	9.46E-110	5.87E-109	0.312454	chr15_63597401_635976(	sig	hyper
chr15	6.5E+07	6.5E+07	*	4.845E-72	1.794E-71	0.271272	chr15_64774001_647742(	sig	hyper
chr15	6.5E+07	6.5E+07	*	2.257E-47	5.775E-47	-0.19282	chr15_65075001_650752(	sig	hypo
chr15	6.5E+07	6.5E+07	*	2.269E-34	4.636E-34	0.172111	chr15_65077401_650776(	sig	hyper
chr15	6.5E+07	6.5E+07	*	1.064E-30	2.017E-30	0.131186	chr15_65396801_653970(	sig	hyper
chr15	6.5E+07	6.5E+07	*	2.963E-16	3.977E-16	0.137155	chr15_65421001_654212(	sig	hyper
chr15	6.7E+07	6.7E+07	*	9.974E-27	1.746E-26	0.140958	chr15_66706601_667068(	sig	hyper
chr15	6.7E+07	6.7E+07	*	4.66E-102	2.6E-101	-0.26658	chr15_67064001_670642(	sig	hypo
chr15	6.7E+07	6.7E+07	*	1.308E-55	3.82E-55	-0.20089	chr15_67064201_670644(	sig	hypo
chr15	6.7E+07	6.7E+07	*	1.649E-27	2.935E-27	-0.13333	chr15_67064401_670646(	sig	hypo
chr15	6.7E+07	6.7E+07	*	1.59E-29	2.944E-29	0.100779	chr15_67067201_670674(	sig	hyper
chr15	6.8E+07	6.8E+07	*	3.139E-38	6.879E-38	0.130853	chr15_67823801_678240(	sig	hyper
chr15	6.8E+07	6.8E+07	*	4.723E-72	1.749E-71	0.192263	chr15_67824001_678242(	sig	hyper
chr15	6.8E+07	6.8E+07	*	1.114E-47	2.865E-47	0.115105	chr15_67825201_678254(	sig	hyper
chr15	6.8E+07	6.8E+07	*	4.983E-73	1.867E-72	0.145815	chr15_67825601_678258(	sig	hyper
chr15	6.8E+07	6.8E+07	*	6.806E-34	1.375E-33	0.197149	chr15_67830201_678304(	sig	hyper
chr15	6.9E+07	6.9E+07	*	8.06E-136	7.01E-135	-0.16302	chr15_68559001_685592(	sig	hypo
chr15	6.9E+07	6.9E+07	*	2.9E-45	7.147E-45	-0.15189	chr15_68711601_687118(	sig	hypo
chr15	6.9E+07	6.9E+07	*	2.07E-42	4.871E-42	-0.11446	chr15_68931401_689316(	sig	hypo
chr15	6.9E+07	6.9E+07	*	2.678E-27	4.747E-27	-0.13381	chr15_69032801_690330(	sig	hypo
chr15	6.9E+07	6.9E+07	*	1.906E-14	2.428E-14	-0.12321	chr15_69035801_690360(	sig	hypo
chr15	6.9E+07	6.9E+07	*	1.439E-34	2.952E-34	0.125708	chr15_69298401_692986(	sig	hyper
chr15	6.9E+07	6.9E+07	*	1.54E-288	9.8E-287	-0.30661	chr15_69462201_694624(	sig	hypo
chr15	7E+07	7E+07	*	8.278E-20	1.225E-19	-0.11558	chr15_69561201_695614(	sig	hypo
chr15	7E+07	7E+07	*	1.551E-25	2.641E-25	-0.11036	chr15_70024601_700248(	sig	hypo
chr15	7E+07	7E+07	*	7.05E-77	2.802E-76	0.234199	chr15_70050001_700502(	sig	hyper
chr15	7E+07	7E+07	*	3.908E-27	6.903E-27	0.106631	chr15_70062401_700626(	sig	hyper
chr15	7E+07	7E+07	*	5.728E-48	1.479E-47	0.269691	chr15_70089001_700892(	sig	hyper
chr15	7E+07	7E+07	*	3.34E-16	4.473E-16	-0.10934	chr15_70196601_701968(	sig	hypo
chr15	7E+07	7E+07	*	1.09E-223	3.09E-222	-0.23782	chr15_70448001_704482(	sig	hypo
chr15	7E+07	7E+07	*	4.2E-85	1.869E-84	-0.23143	chr15_70475001_704752(	sig	hypo
chr15	7E+07	7E+07	*	3.31E-237	1.12E-235	-0.37734	chr15_70475201_704754(	sig	hypo
chr15	7.1E+07	7.1E+07	*	2.155E-24	3.574E-24	-0.10905	chr15_71116401_711166(	sig	hypo
chr15	7.3E+07	7.3E+07	*	2.277E-63	7.471E-63	0.159136	chr15_73367401_733676(	sig	hyper
chr15	7.4E+07	7.4E+07	*	4.713E-32	9.178E-32	-0.16591	chr15_73634001_736342(	sig	hypo
chr15	7.4E+07	7.4E+07	*	2.06E-100	1.12E-99	0.167598	chr15_73752601_737528(	sig	hyper
chr15	7.4E+07	7.4E+07	*	2.658E-28	4.797E-28	0.110314	chr15_73973801_739740(	sig	hyper
chr15	7.4E+07	7.4E+07	*	2.433E-29	4.488E-29	-0.12972	chr15_73974801_739750(	sig	hypo
chr15	7.4E+07	7.4E+07	*	1.19E-92	5.861E-92	0.294672	chr15_74132601_741328(	sig	hyper
chr15	7.4E+07	7.4E+07	*	2.218E-52	6.129E-52	0.270035	chr15_74133001_741332(	sig	hyper
chr15	7.4E+07	7.4E+07	*	6.372E-89	2.998E-88	0.322454	chr15_74133201_741334(	sig	hyper
chr15	7.4E+07	7.4E+07	*	6.41E-117	4.39E-116	0.321174	chr15_74133801_741340(	sig	hyper
chr15	7.4E+07	7.4E+07	*	2.121E-22	3.353E-22	0.128495	chr15_74134801_741350(	sig	hyper
chr15	7.4E+07	7.4E+07	*	1.267E-63	4.177E-63	0.157865	chr15_74136601_741368(	sig	hyper
chr15	7.4E+07	7.4E+07	*	6.908E-31	1.315E-30	0.188301	chr15_74174601_741748(	sig	hyper
chr15	7.4E+07	7.4E+07	*	2.316E-75	8.999E-75	0.218486	chr15_74434201_744344(	sig	hyper

chr15	7.5E+07	7.5E+07	*	1.341E-22	2.13E-22	-0.11199	chr15_74722801_747230(	sig	hypo
chr15	7.5E+07	7.5E+07	*	4.655E-59	1.429E-58	-0.21908	chr15_74955601_749558(	sig	hypo
chr15	7.5E+07	7.5E+07	*	1.743E-29	3.224E-29	0.169985	chr15_75178401_751786(	sig	hyper
chr15	7.5E+07	7.5E+07	*	4.77E-45	1.172E-44	0.161663	chr15_75178801_751790(	sig	hyper
chr15	7.6E+07	7.6E+07	*	6.631E-41	1.521E-40	-0.10093	chr15_75689601_756898(	sig	hypo
chr15	7.6E+07	7.6E+07	*	1.623E-27	2.89E-27	0.126548	chr15_75739201_757394(	sig	hyper
chr15	7.6E+07	7.6E+07	*	1.741E-35	3.631E-35	-0.15662	chr15_76341001_763412(	sig	hypo
chr15	7.6E+07	7.6E+07	*	1.316E-46	3.323E-46	-0.18499	chr15_76341601_763418(	sig	hypo
chr15	7.6E+07	7.6E+07	*	7.323E-36	1.535E-35	-0.19904	chr15_76342001_763422(	sig	hypo
chr15	7.6E+07	7.6E+07	*	4.804E-25	8.085E-25	-0.13328	chr15_76343201_763434(	sig	hypo
chr15	7.6E+07	7.6E+07	*	1.267E-88	5.938E-88	-0.25155	chr15_76345801_763460(	sig	hypo
chr15	7.6E+07	7.6E+07	*	1.566E-64	5.222E-64	-0.10615	chr15_76346001_763462(	sig	hypo
chr15	7.8E+07	7.8E+07	*	4.005E-30	7.509E-30	-0.1434	chr15_77641401_776416(	sig	hypo
chr15	7.8E+07	7.8E+07	*	2.266E-31	4.352E-31	-0.12457	chr15_77894201_778944(	sig	hypo
chr15	7.8E+07	7.8E+07	*	7.362E-38	1.605E-37	-0.10528	chr15_77897201_778974(	sig	hypo
chr15	7.8E+07	7.8E+07	*	9.265E-12	1.075E-11	-0.11025	chr15_77908001_779082(	sig	hypo
chr15	7.8E+07	7.8E+07	*	4.364E-41	1.004E-40	0.256465	chr15_77975601_779758(	sig	hyper
chr15	7.8E+07	7.8E+07	*	6.95E-43	1.649E-42	0.17379	chr15_77995201_779954(	sig	hyper
chr15	7.8E+07	7.8E+07	*	6.05E-113	3.94E-112	0.249854	chr15_78280401_782806(	sig	hyper
chr15	7.8E+07	7.8E+07	*	3.608E-42	8.461E-42	0.108006	chr15_78340601_783408(	sig	hyper
chr15	7.9E+07	7.9E+07	*	6.15E-25	1.033E-24	-0.1047	chr15_78629401_786296(	sig	hypo
chr15	7.9E+07	7.9E+07	*	4.061E-59	1.248E-58	0.185393	chr15_78756001_787562(	sig	hyper
chr15	7.9E+07	7.9E+07	*	8.738E-51	2.355E-50	-0.20933	chr15_78757201_787574(	sig	hypo
chr15	7.9E+07	7.9E+07	*	3.988E-85	1.776E-84	-0.24926	chr15_78871601_788718(	sig	hypo
chr15	7.9E+07	7.9E+07	*	3.631E-95	1.861E-94	0.225349	chr15_79090201_790904(	sig	hyper
chr15	7.9E+07	7.9E+07	*	2.92E-112	1.88E-111	0.303772	chr15_79090601_790908(	sig	hyper
chr15	7.9E+07	7.9E+07	*	2.045E-44	4.976E-44	0.215209	chr15_79091001_790912(	sig	hyper
chr15	7.9E+07	7.9E+07	*	1.612E-39	3.612E-39	0.124117	chr15_79091201_790914(	sig	hyper
chr15	7.9E+07	7.9E+07	*	4.92E-254	2.06E-252	0.239197	chr15_79091401_790916(	sig	hyper
chr15	7.9E+07	7.9E+07	*	1.524E-49	4.038E-49	0.211072	chr15_79282401_792826(	sig	hyper
chr15	7.9E+07	7.9E+07	*	1.876E-77	7.514E-77	0.266488	chr15_79283001_792832(	sig	hyper
chr15	7.9E+07	7.9E+07	*	1.093E-59	3.385E-59	0.198339	chr15_79283801_792840(	sig	hyper
chr15	7.9E+07	7.9E+07	*	2.562E-48	6.659E-48	0.242751	chr15_79433201_794334(	sig	hyper
chr15	8E+07	8E+07	*	2.773E-34	5.652E-34	-0.15668	chr15_79559401_795596(	sig	hypo
chr15	8E+07	8E+07	*	1.717E-46	4.325E-46	0.164068	chr15_80251001_802512(	sig	hyper
chr15	8E+07	8E+07	*	3.294E-32	6.435E-32	0.146005	chr15_80251201_802514(	sig	hyper
chr15	8.1E+07	8.1E+07	*	8.066E-80	3.345E-79	0.298694	chr15_80933001_809332(	sig	hyper
chr15	8.1E+07	8.1E+07	*	1.508E-29	2.793E-29	0.156169	chr15_81118401_811186(	sig	hyper
chr15	8.1E+07	8.1E+07	*	2.948E-69	1.049E-68	0.198743	chr15_81134201_811344(	sig	hyper
chr15	8.2E+07	8.2E+07	*	1.226E-58	3.742E-58	0.13784	chr15_82043201_820434(	sig	hyper
chr15	8.2E+07	8.2E+07	*	6.814E-50	1.814E-49	0.288668	chr15_82043601_820438(	sig	hyper
chr15	8.2E+07	8.2E+07	*	4.89E-190	8.94E-189	0.185875	chr15_82044401_820446(	sig	hyper
chr15	8.3E+07	8.3E+07	*	3.158E-41	7.284E-41	0.243605	chr15_82646201_826464(	sig	hyper
chr15	8.3E+07	8.3E+07	*	1.893E-71	6.954E-71	0.223157	chr15_82647401_826476(	sig	hyper
chr15	8.3E+07	8.3E+07	*	3.63E-107	2.17E-106	0.356175	chr15_82648401_826486(	sig	hyper
chr15	8.3E+07	8.3E+07	*	5.62E-182	9.16E-181	0.271196	chr15_82648601_826488(	sig	hyper
chr15	8.3E+07	8.3E+07	*	2.13E-128	1.69E-127	0.278406	chr15_82681001_826812(	sig	hyper
chr15	8.3E+07	8.3E+07	*	3.761E-53	1.053E-52	0.138807	chr15_82710001_827102(	sig	hyper
chr15	8.3E+07	8.3E+07	*	2.71E-177	4.14E-176	0.219169	chr15_83107001_831072(	sig	hyper
chr15	8.3E+07	8.3E+07	*	2.34E-83	1.017E-82	0.20476	chr15_83107201_831074(	sig	hyper
chr15	8.3E+07	8.3E+07	*	0	0	0.209627	chr15_83206801_832070(	sig	hyper
chr15	8.3E+07	8.3E+07	*	4.226E-26	7.298E-26	0.149971	chr15_83283001_832832(	sig	hyper
chr15	8.3E+07	8.3E+07	*	3.66E-196	7.28E-195	0.265672	chr15_83283801_832840(	sig	hyper
chr15	8.3E+07	8.3E+07	*	2.21E-159	2.66E-158	0.267981	chr15_83284001_832842(	sig	hyper
chr15	8.3E+07	8.3E+07	*	1.324E-38	2.924E-38	0.166944	chr15_83284801_832850(	sig	hyper
chr15	8.3E+07	8.3E+07	*	7.541E-67	2.594E-66	0.221318	chr15_83285001_832852(	sig	hyper

chr15	8.3E+07	8.3E+07	*	6.726E-98	3.568E-97	0.241784	chr15_83379201_833794(	sig	hyper
chr15	8.3E+07	8.3E+07	*	5.25E-72	1.942E-71	0.201208	chr15_83379401_833796(	sig	hyper
chr15	8.3E+07	8.3E+07	*	1.775E-47	4.549E-47	0.15992	chr15_83447201_834474(	sig	hyper
chr15	8.4E+07	8.4E+07	*	6.034E-74	2.295E-73	0.236469	chr15_84079801_840800(	sig	hyper
chr15	8.4E+07	8.4E+07	*	1.46E-105	8.55E-105	0.223075	chr15_84080001_840802(	sig	hyper
chr15	8.4E+07	8.4E+07	*	1.12E-76	4.436E-76	0.202532	chr15_84080601_840808(	sig	hyper
chr15	8.5E+07	8.5E+07	*	2.26E-192	4.27E-191	-0.32702	chr15_85413601_854138(	sig	hypo
chr15	8.6E+07	8.6E+07	*	5.945E-30	1.11E-29	0.11469	chr15_85757801_857580(	sig	hyper
chr15	8.8E+07	8.8E+07	*	5.304E-16	7.068E-16	-0.11295	chr15_87952801_879530(	sig	hypo
chr15	8.8E+07	8.8E+07	*	2.407E-50	6.449E-50	0.194586	chr15_88255001_882552(	sig	hyper
chr15	8.8E+07	8.8E+07	*	2.387E-68	8.384E-68	0.161776	chr15_88255201_882554(	sig	hyper
chr15	8.8E+07	8.8E+07	*	8.97E-229	2.69E-227	0.288253	chr15_88255401_882556(	sig	hyper
chr15	8.8E+07	8.8E+07	*	4.201E-74	1.601E-73	0.211401	chr15_88255601_882558(	sig	hyper
chr15	8.8E+07	8.8E+07	*	1.443E-24	2.404E-24	0.146815	chr15_88258201_882584(	sig	hyper
chr15	8.9E+07	8.9E+07	*	4.55E-63	1.483E-62	0.141212	chr15_88604601_886048(	sig	hyper
chr15	8.9E+07	8.9E+07	*	8.104E-31	1.54E-30	0.18096	chr15_88605001_886052(	sig	hyper
chr15	8.9E+07	8.9E+07	*	1.103E-28	2.007E-28	0.145545	chr15_88769601_887698(	sig	hyper
chr15	8.9E+07	8.9E+07	*	7.07E-135	6.09E-134	0.214886	chr15_88769801_887700(	sig	hyper
chr15	8.9E+07	8.9E+07	*	8.728E-43	2.067E-42	-0.21305	chr15_89221601_892218(	sig	hypo
chr15	8.9E+07	8.9E+07	*	2.28E-113	1.49E-112	0.338933	chr15_89360201_893604(	sig	hyper
chr15	8.9E+07	8.9E+07	*	6.34E-248	2.47E-246	0.321231	chr15_89360401_893606(	sig	hyper
chr15	8.9E+07	8.9E+07	*	1.42E-182	2.32E-181	0.205025	chr15_89367801_893680(	sig	hyper
chr15	8.9E+07	8.9E+07	*	1.112E-61	3.557E-61	0.154116	chr15_89368001_893682(	sig	hyper
chr15	8.9E+07	8.9E+07	*	1.5E-201	3.22E-200	0.149741	chr15_89371601_893718(	sig	hyper
chr15	8.9E+07	8.9E+07	*	2.66E-133	2.25E-132	0.272251	chr15_89371801_893720(	sig	hyper
chr15	8.9E+07	8.9E+07	*	3.44E-145	3.41E-144	0.217993	chr15_89377601_893778(	sig	hyper
chr15	8.9E+07	8.9E+07	*	3.842E-91	1.862E-90	0.11241	chr15_89399401_893996(	sig	hyper
chr15	8.9E+07	8.9E+07	*	1.74E-207	3.99E-206	0.203556	chr15_89406201_894064(	sig	hyper
chr15	8.9E+07	8.9E+07	*	1.451E-54	4.16E-54	0.161797	chr15_89406401_894066(	sig	hyper
chr15	8.9E+07	8.9E+07	*	2.18E-123	1.61E-122	0.220453	chr15_89407401_894076(	sig	hyper
chr15	8.9E+07	8.9E+07	*	6.53E-100	3.54E-99	0.259375	chr15_89408601_894088(	sig	hyper
chr15	8.9E+07	8.9E+07	*	1.66E-208	3.87E-207	0.295646	chr15_89409001_894092(	sig	hyper
chr15	8.9E+07	8.9E+07	*	1.55E-175	2.33E-174	0.286744	chr15_89409601_894098(	sig	hyper
chr15	8.9E+07	8.9E+07	*	5.082E-66	1.73E-65	0.172505	chr15_89410001_894102(	sig	hyper
chr15	8.9E+07	8.9E+07	*	4.56E-105	2.65E-104	0.196932	chr15_89411801_894120(	sig	hyper
chr15	8.9E+07	8.9E+07	*	9.924E-74	3.758E-73	0.233223	chr15_89416601_894168(	sig	hyper
chr15	8.9E+07	8.9E+07	*	1.989E-26	3.46E-26	0.124932	chr15_89496201_894964(	sig	hyper
chr15	9E+07	9E+07	*	5.052E-34	1.023E-33	0.162643	chr15_90084201_900844(	sig	hyper
chr15	9E+07	9E+07	*	1.731E-68	6.087E-68	0.171089	chr15_90202201_902024(	sig	hyper
chr15	9E+07	9E+07	*	6.337E-72	2.341E-71	-0.21878	chr15_90212801_902130(	sig	hypo
chr15	9E+07	9E+07	*	5.545E-24	9.106E-24	0.104977	chr15_90221401_902216(	sig	hyper
chr15	9E+07	9E+07	*	1.595E-21	2.465E-21	-0.11574	chr15_90232201_902324(	sig	hypo
chr15	9.1E+07	9.1E+07	*	1.05E-45	2.604E-45	0.138701	chr15_90956801_909570(	sig	hyper
chr15	9.1E+07	9.1E+07	*	7.45E-111	4.7E-110	0.372243	chr15_90957401_909576(	sig	hyper
chr15	9.2E+07	9.2E+07	*	4.303E-21	6.582E-21	-0.10454	chr15_91854601_918548(	sig	hypo
chr15	9.2E+07	9.2E+07	*	1.165E-32	2.299E-32	-0.15512	chr15_91854801_918550(	sig	hypo
chr15	9.2E+07	9.2E+07	*	5.359E-23	8.603E-23	0.129134	chr15_92393001_923932(	sig	hyper
chr15	9.2E+07	9.2E+07	*	1.441E-50	3.869E-50	0.137754	chr15_92393401_923936(	sig	hyper
chr15	9.2E+07	9.2E+07	*	6.914E-76	2.707E-75	0.180847	chr15_92394001_923942(	sig	hyper
chr15	9.2E+07	9.2E+07	*	1.063E-52	2.958E-52	0.145292	chr15_92394801_923950(	sig	hyper
chr15	9.3E+07	9.3E+07	*	1.777E-31	3.419E-31	-0.14461	chr15_92609401_926096(	sig	hypo
chr15	9.3E+07	9.3E+07	*	4.81E-114	3.18E-113	0.137029	chr15_92714201_927144(	sig	hyper
chr15	9.3E+07	9.3E+07	*	2.849E-75	1.105E-74	0.241193	chr15_93028601_930288(	sig	hyper
chr15	9.3E+07	9.3E+07	*	1.392E-80	5.818E-80	-0.23534	chr15_93036801_930370(	sig	hypo
chr15	9.3E+07	9.3E+07	*	1.92E-104	1.1E-103	-0.20953	chr15_93041601_930418(	sig	hypo
chr15	9.3E+07	9.3E+07	*	3.74E-46	9.356E-46	0.219234	chr15_93066001_930662(	sig	hyper

chr15	9.3E+07	9.3E+07	*	4.858E-70	1.749E-69	0.241221	chr15_93066201_930664(	sig	hyper
chr15	9.3E+07	9.3E+07	*	3.761E-41	8.663E-41	0.191996	chr15_93071601_930718(	sig	hyper
chr15	9.3E+07	9.3E+07	*	1.72E-205	3.84E-204	0.260528	chr15_93071801_930720(	sig	hyper
chr15	9.3E+07	9.3E+07	*	2.839E-22	4.469E-22	0.103908	chr15_93073801_930740(	sig	hyper
chr15	9.3E+07	9.3E+07	*	1.4E-50	3.762E-50	-0.15268	chr15_93074601_930748(	sig	hypo
chr15	9.3E+07	9.3E+07	*	3.299E-91	1.6E-90	0.180446	chr15_93090001_930902(	sig	hyper
chr15	9.3E+07	9.3E+07	*	1.121E-14	1.437E-14	-0.13529	chr15_93109401_931096(	sig	hypo
chr15	9.3E+07	9.3E+07	*	2.804E-41	6.478E-41	-0.14826	chr15_93179201_931794(	sig	hypo
chr15	9.3E+07	9.3E+07	*	1.865E-31	3.587E-31	-0.10465	chr15_93430801_934310(	sig	hypo
chr15	9.4E+07	9.4E+07	*	9.754E-46	2.422E-45	-0.11904	chr15_93900001_939002(	sig	hypo
chr15	9.4E+07	9.4E+07	*	2.434E-19	3.561E-19	-0.10317	chr15_93900201_939004(	sig	hypo
chr15	9.4E+07	9.4E+07	*	8.649E-33	1.71E-32	-0.16097	chr15_93900601_939008(	sig	hypo
chr15	9.4E+07	9.4E+07	*	1.902E-29	3.516E-29	-0.13507	chr15_93900801_939010(	sig	hypo
chr15	9.5E+07	9.5E+07	*	5.606E-98	2.978E-97	0.204208	chr15_95327001_953272(	sig	hyper
chr15	9.5E+07	9.5E+07	*	2.9E-37	6.259E-37	0.219964	chr15_95327201_953274(	sig	hyper
chr15	9.6E+07	9.6E+07	*	1.195E-54	3.433E-54	0.144672	chr15_96322401_963226(	sig	hyper
chr15	9.6E+07	9.6E+07	*	6.632E-16	8.819E-16	-0.10861	chr15_96323201_963234(	sig	hypo
chr15	9.6E+07	9.6E+07	*	7.154E-19	1.034E-18	0.103998	chr15_96334001_963342(	sig	hyper
chr15	9.6E+07	9.6E+07	*	2.928E-21	4.499E-21	0.151586	chr15_96334401_963346(	sig	hyper
chr15	9.6E+07	9.6E+07	*	2.243E-41	5.19E-41	-0.18496	chr15_96343601_963438(	sig	hypo
chr15	9.6E+07	9.6E+07	*	2.036E-19	2.985E-19	-0.10276	chr15_96343801_963440(	sig	hypo
chr15	9.6E+07	9.6E+07	*	2.457E-19	3.593E-19	-0.13608	chr15_96344601_963448(	sig	hypo
chr15	9.6E+07	9.6E+07	*	4.442E-13	5.411E-13	-0.12484	chr15_96351801_963520(	sig	hypo
chr15	9.6E+07	9.6E+07	*	5.177E-41	1.19E-40	0.181042	chr15_96366601_963668(	sig	hyper
chr15	9.6E+07	9.6E+07	*	8.82E-51	2.377E-50	0.279777	chr15_96367801_963680(	sig	hyper
chr15	9.6E+07	9.6E+07	*	7.085E-74	2.692E-73	0.176376	chr15_96408801_964090(	sig	hyper
chr15	9.6E+07	9.6E+07	*	1.092E-69	3.91E-69	0.185698	chr15_96409001_964092(	sig	hyper
chr15	9.6E+07	9.6E+07	*	5.8E-111	3.67E-110	0.253932	chr15_96416801_964170(	sig	hyper
chr15	9.6E+07	9.6E+07	*	1.468E-95	7.559E-95	0.232751	chr15_96417001_964172(	sig	hyper
chr15	9.8E+07	9.8E+07	*	7.232E-10	7.785E-10	0.114011	chr15_97652601_976528(	sig	hyper
chr15	9.8E+07	9.8E+07	*	4.715E-30	8.825E-30	-0.13106	chr15_98418001_984182(	sig	hypo
chr15	9.9E+07	9.9E+07	*	1.775E-53	4.997E-53	0.162274	chr15_98548001_985482(	sig	hyper
chr15	9.9E+07	9.9E+07	*	2.184E-42	5.136E-42	0.170166	chr15_98651001_986512(	sig	hyper
chr15	9.9E+07	9.9E+07	*	1.58E-146	1.59E-145	0.180329	chr15_98651201_986514(	sig	hyper
chr15	9.9E+07	9.9E+07	*	8.222E-39	1.82E-38	0.153772	chr15_99059601_990598(	sig	hyper
chr15	9.9E+07	9.9E+07	*	1.08E-121	7.79E-121	0.317757	chr15_99118001_991182(	sig	hyper
chr15	9.9E+07	9.9E+07	*	2.16E-114	1.43E-113	-0.23734	chr15_99426601_994268(	sig	hypo
chr15	9.9E+07	9.9E+07	*	7.388E-38	1.61E-37	-0.21404	chr15_99438801_994390(	sig	hypo
chr15	1E+08	1E+08	*	1.91E-112	1.23E-111	0.267354	chr15_100373601_100373	sig	hyper
chr15	1E+08	1E+08	*	9.963E-91	4.8E-90	0.239172	chr15_100544201_100544	sig	hyper
chr15	1E+08	1E+08	*	1.63E-73	6.148E-73	0.158744	chr15_100544801_100545	sig	hyper
chr15	1E+08	1E+08	*	7.061E-50	1.879E-49	0.183146	chr15_100849001_100849	sig	hyper
chr15	1E+08	1E+08	*	1.879E-48	4.891E-48	0.211927	chr15_100849401_100849	sig	hyper
chr15	1E+08	1E+08	*	4.492E-23	7.227E-23	-0.13374	chr15_100861201_100861	sig	hypo
chr15	1E+08	1E+08	*	2.39E-131	1.97E-130	0.284495	chr15_100880401_100880	sig	hyper
chr15	1E+08	1E+08	*	2.41E-75	9.36E-75	-0.19573	chr15_101009001_101009	sig	hypo
chr15	1E+08	1E+08	*	1.644E-24	2.734E-24	0.1244	chr15_101091801_101092	sig	hyper
chr15	1E+08	1E+08	*	6.754E-39	1.498E-38	0.119142	chr15_101121401_101121	sig	hyper
chr15	1E+08	1E+08	*	5.518E-21	8.422E-21	0.112306	chr15_101189001_101189	sig	hyper
chr15	1E+08	1E+08	*	2.035E-28	3.683E-28	0.122236	chr15_101189201_101189	sig	hyper
chr15	1E+08	1E+08	*	4.164E-15	5.419E-15	-0.12696	chr15_101278001_101278	sig	hypo
chr15	1E+08	1E+08	*	1.829E-17	2.539E-17	0.12525	chr15_101320801_101321	sig	hyper
chr15	1E+08	1E+08	*	8.431E-44	2.031E-43	0.208982	chr15_101372201_101372	sig	hyper
chr15	1E+08	1E+08	*	1.563E-43	3.747E-43	-0.13516	chr15_101497401_101497	sig	hypo
chr16	165401	165600	*	0	0	0.240091	chr16_165401_165600	sig	hyper
chr16	165601	165800	*	9.817E-34	1.979E-33	0.1656	chr16_165601_165800	sig	hyper

chr16	165801	166000	*	4.22E-129	3.37E-128	0.144759	chr16_165801_166000	sig	hyper
chr16	166001	166200	*	2.82E-57	8.454E-57	0.195409	chr16_166001_166200	sig	hyper
chr16	166401	166600	*	5.455E-23	8.755E-23	0.121194	chr16_166401_166600	sig	hyper
chr16	166601	166800	*	5.12E-136	4.47E-135	0.214333	chr16_166601_166800	sig	hyper
chr16	179401	179600	*	6.941E-67	2.39E-66	-0.1689	chr16_179401_179600	sig	hypo
chr16	229801	230000	*	1.436E-21	2.224E-21	-0.16451	chr16_229801_230000	sig	hypo
chr16	253001	253200	*	7.089E-98	3.759E-97	-0.31101	chr16_253001_253200	sig	hypo
chr16	268601	268800	*	2.15E-168	2.92E-167	-0.27603	chr16_268601_268800	sig	hypo
chr16	268801	269000	*	7.675E-84	3.356E-83	-0.21766	chr16_268801_269000	sig	hypo
chr16	281001	281200	*	3.859E-12	4.54E-12	0.106463	chr16_281001_281200	sig	hyper
chr16	324401	324600	*	3.608E-30	6.772E-30	-0.15389	chr16_324401_324600	sig	hypo
chr16	324801	325000	*	4.422E-22	6.929E-22	-0.10443	chr16_324801_325000	sig	hypo
chr16	361001	361200	*	3.606E-35	7.478E-35	-0.12291	chr16_361001_361200	sig	hypo
chr16	361201	361400	*	2.612E-47	6.675E-47	-0.11079	chr16_361201_361400	sig	hypo
chr16	361401	361600	*	7.106E-19	1.027E-18	-0.14722	chr16_361401_361600	sig	hypo
chr16	370001	370200	*	7.064E-93	3.488E-92	0.183934	chr16_370001_370200	sig	hyper
chr16	383401	383600	*	0	0	-0.33754	chr16_383401_383600	sig	hypo
chr16	427001	427200	*	3.73E-75	1.444E-74	0.220107	chr16_427001_427200	sig	hyper
chr16	471801	472000	*	2.649E-55	7.686E-55	0.140416	chr16_471801_472000	sig	hyper
chr16	509201	509400	*	1.547E-71	5.687E-71	-0.27088	chr16_509201_509400	sig	hypo
chr16	533601	533800	*	5.38E-107	3.21E-106	-0.27073	chr16_533601_533800	sig	hypo
chr16	535201	535400	*	3.15E-31	6.034E-31	-0.20264	chr16_535201_535400	sig	hypo
chr16	555001	555200	*	2.631E-19	3.845E-19	0.1155	chr16_555001_555200	sig	hyper
chr16	561201	561400	*	9.954E-32	1.926E-31	-0.17514	chr16_561201_561400	sig	hypo
chr16	563201	563400	*	1.373E-93	6.867E-93	-0.3414	chr16_563201_563400	sig	hypo
chr16	565801	566000	*	1.149E-38	2.539E-38	0.161663	chr16_565801_566000	sig	hyper
chr16	566801	567000	*	2.806E-68	9.845E-68	0.194159	chr16_566801_567000	sig	hyper
chr16	583801	584000	*	1.292E-11	1.49E-11	0.103391	chr16_583801_584000	sig	hyper
chr16	594001	594200	*	1.61E-46	4.06E-46	-0.23936	chr16_594001_594200	sig	hypo
chr16	621801	622000	*	1.313E-11	1.514E-11	0.135051	chr16_621801_622000	sig	hyper
chr16	648001	648200	*	3.834E-32	7.479E-32	-0.13988	chr16_648001_648200	sig	hypo
chr16	661201	661400	*	1.245E-89	5.907E-89	0.220698	chr16_661201_661400	sig	hyper
chr16	697201	697400	*	1.227E-18	1.762E-18	-0.11616	chr16_697201_697400	sig	hypo
chr16	706201	706400	*	2.024E-81	8.563E-81	0.190922	chr16_706201_706400	sig	hyper
chr16	706401	706600	*	1.073E-35	2.245E-35	0.103551	chr16_706401_706600	sig	hyper
chr16	725601	725800	*	2.936E-17	4.052E-17	-0.11163	chr16_725601_725800	sig	hypo
chr16	748201	748400	*	7.691E-24	1.259E-23	-0.15616	chr16_748201_748400	sig	hypo
chr16	759601	759800	*	2.885E-09	3.024E-09	-0.11475	chr16_759601_759800	sig	hypo
chr16	760601	760800	*	3.899E-81	1.641E-80	-0.2491	chr16_760601_760800	sig	hypo
chr16	760801	761000	*	1.71E-111	1.09E-110	-0.30963	chr16_760801_761000	sig	hypo
chr16	761001	761200	*	2.4E-164	3.08E-163	-0.26849	chr16_761001_761200	sig	hypo
chr16	768401	768600	*	3.633E-33	7.245E-33	-0.19012	chr16_768401_768600	sig	hypo
chr16	775401	775600	*	7.498E-43	1.778E-42	-0.18704	chr16_775401_775600	sig	hypo
chr16	782801	783000	*	7.33E-118	5.07E-117	-0.29257	chr16_782801_783000	sig	hypo
chr16	785801	786000	*	1.271E-36	2.711E-36	0.13949	chr16_785801_786000	sig	hyper
chr16	795601	795800	*	2.994E-38	6.563E-38	-0.2262	chr16_795601_795800	sig	hypo
chr16	825801	826000	*	1.17E-22	1.86E-22	-0.11971	chr16_825801_826000	sig	hypo
chr16	828001	828200	*	8.496E-68	2.964E-67	-0.24158	chr16_828001_828200	sig	hypo
chr16	829001	829200	*	4.02E-41	9.254E-41	-0.19048	chr16_829001_829200	sig	hypo
chr16	833601	833800	*	3.25E-28	5.86E-28	-0.14756	chr16_833601_833800	sig	hypo
chr16	833801	834000	*	5.884E-65	1.975E-64	-0.2407	chr16_833801_834000	sig	hypo
chr16	839001	839200	*	3.303E-22	5.191E-22	-0.1627	chr16_839001_839200	sig	hypo
chr16	839201	839400	*	4.232E-48	1.095E-47	-0.13346	chr16_839201_839400	sig	hypo
chr16	841201	841400	*	3.814E-70	1.376E-69	-0.23777	chr16_841201_841400	sig	hypo
chr16	841401	841600	*	2.925E-48	7.591E-48	-0.22092	chr16_841401_841600	sig	hypo
chr16	843001	843200	*	1.151E-27	2.054E-27	-0.17079	chr16_843001_843200	sig	hypo

chr16	843201	843400	*	1.17E-56	3.468E-56	-0.21179	chr16_843201_843400	sig	hypo
chr16	844801	845000	*	9.323E-37	1.992E-36	-0.13504	chr16_844801_845000	sig	hypo
chr16	871201	871400	*	2.716E-12	3.212E-12	-0.10116	chr16_871201_871400	sig	hypo
chr16	887001	887200	*	8.039E-33	1.59E-32	0.16852	chr16_887001_887200	sig	hyper
chr16	912801	913000	*	4.169E-88	1.937E-87	0.140024	chr16_912801_913000	sig	hyper
chr16	918001	918200	*	5.481E-37	1.176E-36	-0.13421	chr16_918001_918200	sig	hypo
chr16	918201	918400	*	1.952E-24	3.24E-24	-0.10694	chr16_918201_918400	sig	hypo
chr16	920201	920400	*	3.563E-96	1.851E-95	0.239628	chr16_920201_920400	sig	hyper
chr16	972601	972800	*	9.591E-63	3.109E-62	-0.21242	chr16_972601_972800	sig	hypo
chr16	974201	974400	*	2.389E-28	4.317E-28	-0.18941	chr16_974201_974400	sig	hypo
chr16	974601	974800	*	3.028E-27	5.36E-27	-0.16653	chr16_974601_974800	sig	hypo
chr16	980401	980600	*	2.65E-131	2.18E-130	0.159282	chr16_980401_980600	sig	hyper
chr16	981001	981200	*	1.159E-44	2.833E-44	0.119117	chr16_981001_981200	sig	hyper
chr16	982201	982400	*	7.971E-64	2.636E-63	0.221849	chr16_982201_982400	sig	hyper
chr16	990401	990600	*	4.026E-14	5.076E-14	-0.10052	chr16_990401_990600	sig	hypo
chr16	991001	991200	*	2.41E-129	1.93E-128	-0.2766	chr16_991001_991200	sig	hypo
chr16	991201	991400	*	5.73E-241	2.05E-239	-0.31859	chr16_991201_991400	sig	hypo
chr16	1000401	1000600	*	1.157E-20	1.752E-20	-0.1092	chr16_1000401_1000600	sig	hypo
chr16	1002401	1002600	*	6.15E-190	1.12E-188	-0.38277	chr16_1002401_1002600	sig	hypo
chr16	1002601	1002800	*	3.84E-102	2.15E-101	-0.35446	chr16_1002601_1002800	sig	hypo
chr16	1003601	1003800	*	1.049E-75	4.097E-75	-0.1762	chr16_1003601_1003800	sig	hypo
chr16	1011801	1012000	*	3.39E-102	1.89E-101	-0.27158	chr16_1011801_1012000	sig	hypo
chr16	1020001	1020200	*	2.314E-61	7.348E-61	-0.28303	chr16_1020001_1020200	sig	hypo
chr16	1021001	1021200	*	4.471E-35	9.254E-35	-0.14916	chr16_1021001_1021200	sig	hypo
chr16	1023401	1023600	*	6.279E-96	3.251E-95	-0.23844	chr16_1023401_1023600	sig	hypo
chr16	1024401	1024600	*	6.051E-13	7.34E-13	-0.12955	chr16_1024401_1024600	sig	hypo
chr16	1026001	1026200	*	6.927E-20	1.028E-19	0.105085	chr16_1026001_1026200	sig	hyper
chr16	1026201	1026400	*	2.778E-54	7.933E-54	0.1593	chr16_1026201_1026400	sig	hyper
chr16	1027001	1027200	*	4.621E-47	1.176E-46	-0.174	chr16_1027001_1027200	sig	hypo
chr16	1027401	1027600	*	2.76E-38	6.054E-38	-0.20805	chr16_1027401_1027600	sig	hypo
chr16	1027601	1027800	*	1.923E-78	7.804E-78	-0.29455	chr16_1027601_1027800	sig	hypo
chr16	1035601	1035800	*	6.337E-21	9.658E-21	-0.14074	chr16_1035601_1035800	sig	hypo
chr16	1038401	1038600	*	1.228E-97	6.486E-97	-0.19049	chr16_1038401_1038600	sig	hypo
chr16	1038601	1038800	*	1.118E-33	2.25E-33	-0.12859	chr16_1038601_1038800	sig	hypo
chr16	1044601	1044800	*	2.05E-189	3.73E-188	-0.35009	chr16_1044601_1044800	sig	hypo
chr16	1060801	1061000	*	7.449E-83	3.219E-82	-0.18025	chr16_1060801_1061000	sig	hypo
chr16	1062201	1062400	*	2.24E-33	4.484E-33	-0.15145	chr16_1062201_1062400	sig	hypo
chr16	1088201	1088400	*	2.464E-86	1.116E-85	-0.23544	chr16_1088201_1088400	sig	hypo
chr16	1088401	1088600	*	7.65E-110	4.76E-109	-0.25552	chr16_1088401_1088600	sig	hypo
chr16	1089601	1089800	*	5.802E-39	1.288E-38	-0.18454	chr16_1089601_1089800	sig	hypo
chr16	1093601	1093800	*	9.028E-70	3.239E-69	-0.16114	chr16_1093601_1093800	sig	hypo
chr16	1096401	1096600	*	3.801E-32	7.417E-32	-0.18637	chr16_1096401_1096600	sig	hypo
chr16	1097801	1098000	*	1.189E-24	1.985E-24	-0.17334	chr16_1097801_1098000	sig	hypo
chr16	1099401	1099600	*	2.392E-25	4.053E-25	-0.12458	chr16_1099401_1099600	sig	hypo
chr16	1104801	1105000	*	2.522E-71	9.253E-71	-0.28686	chr16_1104801_1105000	sig	hypo
chr16	1107001	1107200	*	1.057E-18	1.521E-18	-0.13275	chr16_1107001_1107200	sig	hypo
chr16	1107201	1107400	*	6.45E-99	3.455E-98	-0.27063	chr16_1107201_1107400	sig	hypo
chr16	1108401	1108600	*	4.529E-69	1.609E-68	-0.16086	chr16_1108401_1108600	sig	hypo
chr16	1109801	1110000	*	6.213E-88	2.881E-87	-0.18897	chr16_1109801_1110000	sig	hypo
chr16	1112401	1112600	*	1.457E-17	2.029E-17	-0.10377	chr16_1112401_1112600	sig	hypo
chr16	1112601	1112800	*	8.274E-60	2.569E-59	-0.2468	chr16_1112601_1112800	sig	hypo
chr16	1121401	1121600	*	5.392E-15	6.987E-15	-0.12979	chr16_1121401_1121600	sig	hypo
chr16	1128401	1128600	*	6.677E-37	1.431E-36	-0.13224	chr16_1128401_1128600	sig	hypo
chr16	1129001	1129200	*	1.017E-15	1.346E-15	-0.11668	chr16_1129001_1129200	sig	hypo
chr16	1129401	1129600	*	2.427E-88	1.132E-87	-0.28316	chr16_1129401_1129600	sig	hypo
chr16	1133601	1133800	*	1.648E-33	3.304E-33	-0.18255	chr16_1133601_1133800	sig	hypo

chr16	1136201	1136400	*	1.819E-70	6.59E-70	-0.22487	chr16_1136201_1136400	sig	hypo
chr16	1137801	1138000	*	8.747E-57	2.597E-56	-0.17928	chr16_1137801_1138000	sig	hypo
chr16	1143001	1143200	*	6.321E-47	1.606E-46	-0.13429	chr16_1143001_1143200	sig	hypo
chr16	1145401	1145600	*	9.304E-92	4.536E-91	-0.21174	chr16_1145401_1145600	sig	hypo
chr16	1146601	1146800	*	2.36E-111	1.5E-110	-0.32845	chr16_1146601_1146800	sig	hypo
chr16	1148601	1148800	*	7.86E-48	2.025E-47	-0.11676	chr16_1148601_1148800	sig	hypo
chr16	1149801	1150000	*	2.61E-147	2.66E-146	0.154179	chr16_1149801_1150000	sig	hyper
chr16	1150001	1150200	*	5E-150	5.34E-149	0.307328	chr16_1150001_1150200	sig	hyper
chr16	1157001	1157200	*	1.632E-23	2.651E-23	-0.12865	chr16_1157001_1157200	sig	hypo
chr16	1163801	1164000	*	4.646E-22	7.276E-22	-0.1725	chr16_1163801_1164000	sig	hypo
chr16	1169401	1169600	*	2.15E-196	4.29E-195	0.331246	chr16_1169401_1169600	sig	hyper
chr16	1173401	1173600	*	2.793E-41	6.453E-41	-0.15807	chr16_1173401_1173600	sig	hypo
chr16	1176001	1176200	*	6.936E-93	3.425E-92	-0.31312	chr16_1176001_1176200	sig	hypo
chr16	1186801	1187000	*	4.695E-22	7.353E-22	-0.10723	chr16_1186801_1187000	sig	hypo
chr16	1197201	1197400	*	8.078E-39	1.789E-38	-0.15326	chr16_1197201_1197400	sig	hypo
chr16	1201601	1201800	*	7.551E-56	2.212E-55	-0.16628	chr16_1201601_1201800	sig	hypo
chr16	1205401	1205600	*	1.909E-77	7.645E-77	-0.26447	chr16_1205401_1205600	sig	hypo
chr16	1208801	1209000	*	1.605E-41	3.723E-41	-0.18472	chr16_1208801_1209000	sig	hypo
chr16	1211601	1211800	*	1.19E-125	9.08E-125	-0.24688	chr16_1211601_1211800	sig	hypo
chr16	1221001	1221200	*	1.488E-55	4.336E-55	-0.31396	chr16_1221001_1221200	sig	hypo
chr16	1223601	1223800	*	2.252E-21	3.468E-21	-0.15369	chr16_1223601_1223800	sig	hypo
chr16	1247201	1247400	*	2.357E-48	6.127E-48	-0.13699	chr16_1247201_1247400	sig	hypo
chr16	1247801	1248000	*	9.487E-42	2.21E-41	-0.18793	chr16_1247801_1248000	sig	hypo
chr16	1256801	1257000	*	3.011E-48	7.811E-48	-0.17372	chr16_1256801_1257000	sig	hypo
chr16	1257601	1257800	*	2.622E-51	7.118E-51	-0.19135	chr16_1257601_1257800	sig	hypo
chr16	1258001	1258200	*	4.46E-114	2.95E-113	-0.25925	chr16_1258001_1258200	sig	hypo
chr16	1258201	1258400	*	8.17E-78	3.289E-77	-0.27296	chr16_1258201_1258400	sig	hypo
chr16	1262401	1262600	*	5.981E-10	6.459E-10	-0.10233	chr16_1262401_1262600	sig	hypo
chr16	1266201	1266400	*	2.07E-138	1.86E-137	-0.40549	chr16_1266201_1266400	sig	hypo
chr16	1266401	1266600	*	1.39E-109	8.58E-109	-0.24729	chr16_1266401_1266600	sig	hypo
chr16	1273201	1273400	*	2.663E-13	3.271E-13	-0.10479	chr16_1273201_1273400	sig	hypo
chr16	1281401	1281600	*	1.18E-26	2.064E-26	-0.10174	chr16_1281401_1281600	sig	hypo
chr16	1288201	1288400	*	2.9E-137	2.57E-136	-0.24833	chr16_1288201_1288400	sig	hypo
chr16	1288401	1288600	*	4.473E-65	1.503E-64	-0.18017	chr16_1288401_1288600	sig	hypo
chr16	1317401	1317600	*	6.979E-23	1.117E-22	0.115943	chr16_1317401_1317600	sig	hyper
chr16	1341601	1341800	*	4.111E-29	7.547E-29	-0.11982	chr16_1341601_1341800	sig	hypo
chr16	1341801	1342000	*	4.489E-19	6.524E-19	-0.10665	chr16_1341801_1342000	sig	hypo
chr16	1343801	1344000	*	1.309E-13	1.624E-13	-0.1105	chr16_1343801_1344000	sig	hypo
chr16	1354801	1355000	*	1.071E-31	2.071E-31	-0.14776	chr16_1354801_1355000	sig	hypo
chr16	1378601	1378800	*	8.31E-116	5.62E-115	-0.21257	chr16_1378601_1378800	sig	hypo
chr16	1427801	1428000	*	6.059E-25	1.018E-24	-0.16338	chr16_1427801_1428000	sig	hypo
chr16	1430801	1431000	*	3.042E-20	4.558E-20	-0.10385	chr16_1430801_1431000	sig	hypo
chr16	1436001	1436200	*	5.932E-36	1.245E-35	-0.15172	chr16_1436001_1436200	sig	hypo
chr16	1436401	1436600	*	3.739E-94	1.882E-93	-0.29066	chr16_1436401_1436600	sig	hypo
chr16	1437401	1437600	*	2.589E-70	9.358E-70	-0.20843	chr16_1437401_1437600	sig	hypo
chr16	1443601	1443800	*	8.739E-31	1.66E-30	-0.12955	chr16_1443601_1443800	sig	hypo
chr16	1458801	1459000	*	8.653E-21	1.315E-20	-0.12334	chr16_1458801_1459000	sig	hypo
chr16	1460601	1460800	*	2.618E-36	5.55E-36	0.12463	chr16_1460601_1460800	sig	hyper
chr16	1461201	1461400	*	3.464E-91	1.679E-90	0.267842	chr16_1461201_1461400	sig	hyper
chr16	1482401	1482600	*	3.41E-168	4.62E-167	-0.38359	chr16_1482401_1482600	sig	hypo
chr16	1488601	1488800	*	6.857E-26	1.179E-25	-0.1157	chr16_1488601_1488800	sig	hypo
chr16	1525801	1526000	*	1.046E-23	1.707E-23	-0.1206	chr16_1525801_1526000	sig	hypo
chr16	1526001	1526200	*	4.91E-95	2.51E-94	-0.17344	chr16_1526001_1526200	sig	hypo
chr16	1531001	1531200	*	2.06E-293	1.4E-291	0.401986	chr16_1531001_1531200	sig	hyper
chr16	1532201	1532400	*	5.77E-29	1.056E-28	0.239247	chr16_1532201_1532400	sig	hyper
chr16	1532401	1532600	*	4.22E-38	9.235E-38	0.18465	chr16_1532401_1532600	sig	hyper

chr16	1533801	1534000	*	9.95E-227	2.92E-225	0.226263	chr16_1533801_1534000	sig	hyper
chr16	1534001	1534200	*	3.383E-77	1.35E-76	0.247888	chr16_1534001_1534200	sig	hyper
chr16	1534401	1534600	*	7.97E-143	7.61E-142	0.253431	chr16_1534401_1534600	sig	hyper
chr16	1543401	1543600	*	8.45E-144	8.19E-143	-0.27866	chr16_1543401_1543600	sig	hypo
chr16	1548801	1549000	*	6.69E-78	2.695E-77	-0.20275	chr16_1548801_1549000	sig	hypo
chr16	1549001	1549200	*	6.629E-48	1.71E-47	-0.12254	chr16_1549001_1549200	sig	hypo
chr16	1764001	1764200	*	6.296E-63	2.047E-62	0.211225	chr16_1764001_1764200	sig	hyper
chr16	1770201	1770400	*	8.356E-50	2.22E-49	0.109421	chr16_1770201_1770400	sig	hyper
chr16	1770401	1770600	*	1.253E-32	2.47E-32	0.130475	chr16_1770401_1770600	sig	hyper
chr16	1897001	1897200	*	6.787E-36	1.424E-35	-0.13943	chr16_1897001_1897200	sig	hypo
chr16	1911601	1911800	*	2.293E-40	5.216E-40	-0.15736	chr16_1911601_1911800	sig	hypo
chr16	1918601	1918800	*	4.437E-83	1.921E-82	0.122327	chr16_1918601_1918800	sig	hyper
chr16	1941201	1941400	*	1.07E-208	2.51E-207	-0.2649	chr16_1941201_1941400	sig	hypo
chr16	1941401	1941600	*	4.615E-45	1.134E-44	-0.22103	chr16_1941401_1941600	sig	hypo
chr16	1958201	1958400	*	1.601E-44	3.905E-44	0.118346	chr16_1958201_1958400	sig	hyper
chr16	1958401	1958600	*	5.752E-29	1.053E-28	0.159618	chr16_1958401_1958600	sig	hyper
chr16	1961201	1961400	*	6.856E-58	2.071E-57	-0.24255	chr16_1961201_1961400	sig	hypo
chr16	1962401	1962600	*	1.569E-50	4.212E-50	-0.14975	chr16_1962401_1962600	sig	hypo
chr16	1962601	1962800	*	6.966E-76	2.727E-75	-0.19839	chr16_1962601_1962800	sig	hypo
chr16	1962801	1963000	*	1.308E-77	5.25E-77	-0.21059	chr16_1962801_1963000	sig	hypo
chr16	1963001	1963200	*	2.13E-130	1.73E-129	-0.22551	chr16_1963001_1963200	sig	hypo
chr16	1990801	1991000	*	2.758E-83	1.197E-82	0.136107	chr16_1990801_1991000	sig	hyper
chr16	1991401	1991600	*	9.4E-117	6.41E-116	0.312521	chr16_1991401_1991600	sig	hyper
chr16	1991801	1992000	*	2.28E-103	1.29E-102	0.130094	chr16_1991801_1992000	sig	hyper
chr16	1992601	1992800	*	1.27E-99	6.85E-99	0.246128	chr16_1992601_1992800	sig	hyper
chr16	2004201	2004400	*	1.312E-38	2.897E-38	0.107953	chr16_2004201_2004400	sig	hyper
chr16	2038801	2039000	*	4.015E-20	5.998E-20	0.13633	chr16_2038801_2039000	sig	hyper
chr16	2055001	2055200	*	3.167E-21	4.86E-21	-0.12413	chr16_2055001_2055200	sig	hypo
chr16	2055201	2055400	*	3.655E-22	5.741E-22	0.13071	chr16_2055201_2055400	sig	hyper
chr16	2082201	2082400	*	8.62E-118	5.96E-117	0.272528	chr16_2082201_2082400	sig	hyper
chr16	2082401	2082600	*	7.278E-95	3.71E-94	0.195304	chr16_2082401_2082600	sig	hyper
chr16	2083201	2083400	*	7.701E-81	3.228E-80	0.227117	chr16_2083201_2083400	sig	hyper
chr16	2124601	2124800	*	1.27E-168	1.73E-167	0.347378	chr16_2124601_2124800	sig	hyper
chr16	2127001	2127200	*	2.34E-146	2.35E-145	0.240556	chr16_2127001_2127200	sig	hyper
chr16	2127201	2127400	*	3.99E-251	1.62E-249	0.252467	chr16_2127201_2127400	sig	hyper
chr16	2130001	2130200	*	0	0	0.381995	chr16_2130001_2130200	sig	hyper
chr16	2140401	2140600	*	1.891E-21	2.918E-21	-0.15745	chr16_2140401_2140600	sig	hypo
chr16	2163401	2163600	*	3.994E-30	7.488E-30	-0.15062	chr16_2163401_2163600	sig	hypo
chr16	2163601	2163800	*	7.691E-94	3.857E-93	-0.27901	chr16_2163601_2163800	sig	hypo
chr16	2183801	2184000	*	8.605E-90	4.092E-89	-0.17011	chr16_2183801_2184000	sig	hypo
chr16	2184001	2184200	*	1.862E-95	9.572E-95	-0.21818	chr16_2184001_2184200	sig	hypo
chr16	2189201	2189400	*	1.519E-41	3.528E-41	-0.10851	chr16_2189201_2189400	sig	hypo
chr16	2235601	2235800	*	2.454E-19	3.59E-19	-0.13431	chr16_2235601_2235800	sig	hypo
chr16	2236401	2236600	*	8.49E-154	9.48E-153	0.29962	chr16_2236401_2236600	sig	hyper
chr16	2284201	2284400	*	4.473E-34	9.075E-34	-0.11487	chr16_2284201_2284400	sig	hypo
chr16	2470001	2470200	*	3.802E-24	6.267E-24	-0.12549	chr16_2470001_2470200	sig	hypo
chr16	2472801	2473000	*	1.928E-30	3.635E-30	-0.11321	chr16_2472801_2473000	sig	hypo
chr16	2473001	2473200	*	2.134E-21	3.289E-21	-0.15221	chr16_2473001_2473200	sig	hypo
chr16	2497401	2497600	*	5.199E-30	9.721E-30	0.194908	chr16_2497401_2497600	sig	hyper
chr16	2687201	2687400	*	6.439E-60	2.003E-59	-0.16854	chr16_2687201_2687400	sig	hypo
chr16	2712801	2713000	*	1.075E-20	1.629E-20	-0.14391	chr16_2712801_2713000	sig	hypo
chr16	2714201	2714400	*	3.441E-56	1.013E-55	-0.2525	chr16_2714201_2714400	sig	hypo
chr16	2771401	2771600	*	4.019E-14	5.068E-14	0.107065	chr16_2771401_2771600	sig	hyper
chr16	2830201	2830400	*	1.708E-46	4.304E-46	-0.14297	chr16_2830201_2830400	sig	hypo
chr16	2853201	2853400	*	6.199E-57	1.845E-56	0.174311	chr16_2853201_2853400	sig	hyper
chr16	2967401	2967600	*	1.81E-181	2.94E-180	0.301635	chr16_2967401_2967600	sig	hyper

chr16	2968001	2968200	*	3.349E-76	1.317E-75	0.143702	chr16_2968001_2968200	sig	hyper
chr16	3009601	3009800	*	5.336E-23	8.567E-23	-0.13364	chr16_3009601_3009800	sig	hypo
chr16	3013601	3013800	*	2.053E-38	4.515E-38	0.155151	chr16_3013601_3013800	sig	hyper
chr16	3017401	3017600	*	1.605E-20	2.421E-20	0.112742	chr16_3017401_3017600	sig	hyper
chr16	3018001	3018200	*	1.657E-89	7.848E-89	0.183405	chr16_3018001_3018200	sig	hyper
chr16	3018401	3018600	*	3.007E-33	6.004E-33	0.120403	chr16_3018401_3018600	sig	hyper
chr16	3029601	3029800	*	5.41E-131	4.43E-130	0.227275	chr16_3029601_3029800	sig	hyper
chr16	3029801	3030000	*	3.01E-121	2.17E-120	0.206847	chr16_3029801_3030000	sig	hyper
chr16	3038401	3038600	*	5.321E-49	1.398E-48	-0.16976	chr16_3038401_3038600	sig	hypo
chr16	3055801	3056000	*	4.343E-66	1.48E-65	0.229945	chr16_3055801_3056000	sig	hyper
chr16	3065801	3066000	*	2.91E-100	1.59E-99	-0.26761	chr16_3065801_3066000	sig	hypo
chr16	3089001	3089200	*	1.046E-29	1.945E-29	-0.11058	chr16_3089001_3089200	sig	hypo
chr16	3160201	3160400	*	7.222E-35	1.49E-34	0.121698	chr16_3160201_3160400	sig	hyper
chr16	3161401	3161600	*	3.665E-97	1.928E-96	-0.24327	chr16_3161401_3161600	sig	hypo
chr16	3170801	3171000	*	2.993E-71	1.098E-70	0.108596	chr16_3170801_3171000	sig	hyper
chr16	3175001	3175200	*	1.78E-199	3.73E-198	0.309727	chr16_3175001_3175200	sig	hyper
chr16	3175401	3175600	*	2.563E-59	7.895E-59	0.190111	chr16_3175401_3175600	sig	hyper
chr16	3180601	3180800	*	3.841E-71	1.406E-70	0.207371	chr16_3180601_3180800	sig	hyper
chr16	3182601	3182800	*	2.472E-57	7.415E-57	0.105198	chr16_3182601_3182800	sig	hyper
chr16	3183001	3183200	*	1.28E-190	2.36E-189	0.250049	chr16_3183001_3183200	sig	hyper
chr16	3183401	3183600	*	1.09E-137	9.77E-137	0.223651	chr16_3183401_3183600	sig	hyper
chr16	3183801	3184000	*	1.83E-252	7.52E-251	0.276352	chr16_3183801_3184000	sig	hyper
chr16	3184201	3184400	*	1.15E-286	7.16E-285	0.315471	chr16_3184201_3184400	sig	hyper
chr16	3189201	3189400	*	1.46E-255	6.28E-254	0.299767	chr16_3189201_3189400	sig	hyper
chr16	3189601	3189800	*	1.55E-146	1.56E-145	0.162317	chr16_3189601_3189800	sig	hyper
chr16	3191401	3191600	*	4.892E-80	2.034E-79	0.150849	chr16_3191401_3191600	sig	hyper
chr16	3192601	3192800	*	1.44E-138	1.3E-137	0.232491	chr16_3192601_3192800	sig	hyper
chr16	3192801	3193000	*	1.939E-42	4.565E-42	0.201779	chr16_3192801_3193000	sig	hyper
chr16	3193201	3193400	*	5.033E-62	1.617E-61	0.147238	chr16_3193201_3193400	sig	hyper
chr16	3236001	3236200	*	1.36E-136	1.2E-135	-0.34304	chr16_3236001_3236200	sig	hypo
chr16	3305001	3305200	*	1.02E-105	5.97E-105	0.359833	chr16_3305001_3305200	sig	hyper
chr16	3305201	3305400	*	0	0	0.240734	chr16_3305201_3305400	sig	hyper
chr16	3305401	3305600	*	2.31E-245	8.85E-244	0.1761	chr16_3305401_3305600	sig	hyper
chr16	3365001	3365200	*	1.075E-25	1.838E-25	0.163203	chr16_3365001_3365200	sig	hyper
chr16	3365201	3365400	*	5.618E-55	1.621E-54	0.173539	chr16_3365201_3365400	sig	hyper
chr16	3414001	3414200	*	5.13E-37	1.102E-36	0.253634	chr16_3414001_3414200	sig	hyper
chr16	3564201	3564400	*	6.731E-24	1.103E-23	-0.10914	chr16_3564201_3564400	sig	hypo
chr16	3578401	3578600	*	2.017E-09	2.129E-09	-0.117	chr16_3578401_3578600	sig	hypo
chr16	3591201	3591400	*	8.19E-27	1.437E-26	-0.13519	chr16_3591201_3591400	sig	hypo
chr16	3690801	3691000	*	8.96E-242	3.25E-240	0.295792	chr16_3690801_3691000	sig	hyper
chr16	3938801	3939000	*	7.532E-17	1.028E-16	0.113178	chr16_3938801_3939000	sig	hyper
chr16	3939401	3939600	*	8.455E-91	4.079E-90	0.281741	chr16_3939401_3939600	sig	hyper
chr16	3949001	3949200	*	2.579E-89	1.218E-88	0.199967	chr16_3949001_3949200	sig	hyper
chr16	3950401	3950600	*	6.049E-49	1.588E-48	-0.1198	chr16_3950401_3950600	sig	hypo
chr16	3950601	3950800	*	2.872E-53	8.06E-53	-0.2033	chr16_3950601_3950800	sig	hypo
chr16	3983201	3983400	*	3.563E-33	7.106E-33	0.122712	chr16_3983201_3983400	sig	hyper
chr16	4006201	4006400	*	8.09E-259	3.61E-257	0.409117	chr16_4006201_4006400	sig	hyper
chr16	4261601	4261800	*	8.548E-14	1.066E-13	0.101211	chr16_4261601_4261800	sig	hyper
chr16	4263201	4263400	*	2.46E-149	2.6E-148	0.278891	chr16_4263201_4263400	sig	hyper
chr16	4264201	4264400	*	1.184E-21	1.837E-21	0.145375	chr16_4264201_4264400	sig	hyper
chr16	4332001	4332200	*	2.478E-21	3.811E-21	-0.13422	chr16_4332001_4332200	sig	hypo
chr16	4332201	4332400	*	3.494E-20	5.229E-20	-0.16911	chr16_4332201_4332400	sig	hypo
chr16	4335201	4335400	*	1.996E-35	4.159E-35	-0.10644	chr16_4335201_4335400	sig	hypo
chr16	4371601	4371800	*	1.943E-62	6.274E-62	0.154886	chr16_4371601_4371800	sig	hyper
chr16	4376201	4376400	*	5.77E-123	4.26E-122	0.370702	chr16_4376201_4376400	sig	hyper
chr16	4664001	4664200	*	9.11E-189	1.64E-187	-0.24412	chr16_4664001_4664200	sig	hypo

chr16	4664401	4664600	*	1.611E-56	4.764E-56	-0.2377	chr16_4664401_4664600	sig	hypo
chr16	4664601	4664800	*	4.323E-57	1.291E-56	-0.1825	chr16_4664601_4664800	sig	hypo
chr16	4679801	4680000	*	5.83E-71	2.127E-70	-0.21783	chr16_4679801_4680000	sig	hypo
chr16	4680201	4680400	*	1.621E-40	3.695E-40	-0.20982	chr16_4680201_4680400	sig	hypo
chr16	4680401	4680600	*	2.62E-134	2.24E-133	-0.26497	chr16_4680401_4680600	sig	hypo
chr16	4683001	4683200	*	1.792E-17	2.488E-17	0.127472	chr16_4683001_4683200	sig	hyper
chr16	4796001	4796200	*	8.801E-54	2.492E-53	-0.26735	chr16_4796001_4796200	sig	hypo
chr16	6020201	6020400	*	1.97E-98	1.051E-97	0.230163	chr16_6020201_6020400	sig	hyper
chr16	6483601	6483800	*	1.38E-119	9.73E-119	0.274233	chr16_6483601_6483800	sig	hyper
chr16	7303401	7303600	*	5.34E-143	5.12E-142	0.311993	chr16_7303401_7303600	sig	hyper
chr16	7304201	7304400	*	3.879E-38	8.494E-38	0.185325	chr16_7304201_7304400	sig	hyper
chr16	7304401	7304600	*	9.2E-99	4.925E-98	0.201165	chr16_7304401_7304600	sig	hyper
chr16	8712801	8713000	*	1.4E-180	2.25E-179	0.336311	chr16_8712801_8713000	sig	hyper
chr16	8721401	8721600	*	6.264E-31	1.194E-30	-0.16184	chr16_8721401_8721600	sig	hypo
chr16	8866201	8866400	*	1.576E-43	3.776E-43	0.238229	chr16_8866201_8866400	sig	hyper
chr16	8869801	8870000	*	2.48E-111	1.58E-110	-0.2221	chr16_8869801_8870000	sig	hypo
chr16	8885201	8885400	*	1.006E-45	2.497E-45	-0.15651	chr16_8885201_8885400	sig	hypo
chr16	1E+07	1E+07	*	2.26E-152	2.49E-151	0.308672	chr16_10180401_101806(	sig	hyper
chr16	1E+07	1E+07	*	1.134E-59	3.511E-59	0.215269	chr16_10182601_101828(	sig	hyper
chr16	1E+07	1E+07	*	1.44E-145	1.43E-144	0.290277	chr16_10182801_101830(	sig	hyper
chr16	1E+07	1E+07	*	4.6E-187	8.1E-186	0.213072	chr16_10183401_101836(	sig	hyper
chr16	1.1E+07	1.1E+07	*	2.2E-72	8.172E-72	0.259115	chr16_10578001_105782(	sig	hyper
chr16	1.1E+07	1.1E+07	*	8.335E-18	1.169E-17	-0.13611	chr16_10775201_107754(	sig	hypo
chr16	1.1E+07	1.1E+07	*	2.44E-139	2.22E-138	-0.25886	chr16_10877201_108774(	sig	hypo
chr16	1.1E+07	1.1E+07	*	7.359E-22	1.148E-21	0.136626	chr16_10918401_109186(	sig	hyper
chr16	1.1E+07	1.1E+07	*	3.297E-28	5.943E-28	-0.12772	chr16_11182001_111822(	sig	hypo
chr16	1.2E+07	1.2E+07	*	4.427E-18	6.255E-18	-0.1363	chr16_11635201_116354(	sig	hypo
chr16	1.2E+07	1.2E+07	*	1.027E-92	5.065E-92	-0.3353	chr16_11675801_116760(	sig	hypo
chr16	1.2E+07	1.2E+07	*	8.987E-39	1.988E-38	-0.16119	chr16_11676201_116764(	sig	hypo
chr16	1.2E+07	1.2E+07	*	3.535E-17	4.87E-17	-0.11496	chr16_11741601_117418(	sig	hypo
chr16	1.3E+07	1.3E+07	*	6.638E-34	1.342E-33	0.187159	chr16_12903201_129034(	sig	hyper
chr16	1.3E+07	1.3E+07	*	6.648E-91	3.212E-90	0.218818	chr16_12903601_129038(	sig	hyper
chr16	1.3E+07	1.3E+07	*	1.113E-69	3.988E-69	0.225054	chr16_12903801_129040(	sig	hyper
chr16	1.4E+07	1.4E+07	*	2.264E-22	3.575E-22	0.16234	chr16_14303601_143038(	sig	hyper
chr16	1.4E+07	1.4E+07	*	4.634E-74	1.765E-73	0.216952	chr16_14303801_143040(	sig	hyper
chr16	1.4E+07	1.4E+07	*	3.307E-18	4.687E-18	0.140946	chr16_14400201_144004(	sig	hyper
chr16	1.4E+07	1.4E+07	*	3.417E-94	1.724E-93	-0.25891	chr16_14406001_144062(	sig	hypo
chr16	1.5E+07	1.5E+07	*	6.915E-19	1E-18	0.144334	chr16_15055001_150552(	sig	hyper
chr16	1.5E+07	1.5E+07	*	9.99E-236	3.31E-234	0.507706	chr16_15143801_151440(	sig	hyper
chr16	1.5E+07	1.5E+07	*	1.266E-84	5.605E-84	0.217729	chr16_15146001_151462(	sig	hyper
chr16	1.5E+07	1.5E+07	*	2.476E-74	9.467E-74	0.112647	chr16_15146401_151466(	sig	hyper
chr16	1.5E+07	1.5E+07	*	3.216E-87	1.473E-86	0.278113	chr16_15148801_151490(	sig	hyper
chr16	1.5E+07	1.5E+07	*	8.309E-77	3.299E-76	0.257897	chr16_15434201_154344(	sig	hyper
chr16	1.6E+07	1.6E+07	*	4.07E-101	2.25E-100	0.24802	chr16_15724801_157250(	sig	hyper
chr16	1.9E+07	1.9E+07	*	1.161E-41	2.701E-41	-0.10588	chr16_18793001_187932(	sig	hypo
chr16	1.9E+07	1.9E+07	*	3.574E-34	7.266E-34	-0.11522	chr16_19169801_191700(	sig	hypo
chr16	2E+07	2E+07	*	2.411E-23	3.9E-23	-0.11266	chr16_19872201_198724(	sig	hypo
chr16	2.2E+07	2.2E+07	*	1.859E-14	2.368E-14	0.111421	chr16_21517001_215172(	sig	hyper
chr16	2.3E+07	2.3E+07	*	8.792E-57	2.61E-56	0.166728	chr16_22948201_229484(	sig	hyper
chr16	2.3E+07	2.3E+07	*	3.169E-19	4.622E-19	0.12434	chr16_23409201_234094(	sig	hyper
chr16	2.4E+07	2.4E+07	*	2.384E-38	5.236E-38	0.229965	chr16_23695201_236954(	sig	hyper
chr16	2.4E+07	2.4E+07	*	2.661E-26	4.615E-26	0.105568	chr16_23713401_237136(	sig	hyper
chr16	2.4E+07	2.4E+07	*	1.19E-218	3.2E-217	0.197263	chr16_23836201_238364(	sig	hyper
chr16	2.6E+07	2.6E+07	*	3.201E-51	8.681E-51	0.192272	chr16_25691201_256914(	sig	hyper
chr16	2.8E+07	2.8E+07	*	1.052E-37	2.288E-37	0.1143	chr16_27779801_277800(	sig	hyper
chr16	2.8E+07	2.8E+07	*	4.328E-19	6.293E-19	0.109731	chr16_28259201_282594(	sig	hyper

chr16	2.9E+07	2.9E+07	*	1.758E-18	2.514E-18	0.136343	chr16_28866201_288664(	sig	hyper
chr16	2.9E+07	2.9E+07	*	1.063E-12	1.278E-12	0.118304	chr16_28876401_288766(	sig	hyper
chr16	2.9E+07	2.9E+07	*	1.47E-155	1.68E-154	0.240221	chr16_28880401_288806(	sig	hyper
chr16	2.9E+07	2.9E+07	*	2.056E-31	3.951E-31	0.131294	chr16_28904401_289046(	sig	hyper
chr16	2.9E+07	2.9E+07	*	8.891E-41	2.036E-40	0.138727	chr16_28975401_289756(	sig	hyper
chr16	2.9E+07	2.9E+07	*	1.262E-17	1.76E-17	-0.10219	chr16_29075201_290754(	sig	hypo
chr16	2.9E+07	2.9E+07	*	1.167E-25	1.995E-25	-0.13944	chr16_29132601_291328(	sig	hypo
chr16	2.9E+07	2.9E+07	*	5.789E-25	9.728E-25	-0.17943	chr16_29132801_291330(	sig	hypo
chr16	2.9E+07	2.9E+07	*	1.969E-38	4.332E-38	-0.20265	chr16_29133001_291332(	sig	hypo
chr16	2.9E+07	2.9E+07	*	1.542E-17	2.147E-17	0.126238	chr16_29140001_291402(	sig	hyper
chr16	2.9E+07	2.9E+07	*	6.142E-22	9.6E-22	0.128908	chr16_29140201_291404(	sig	hyper
chr16	2.9E+07	2.9E+07	*	2.95E-107	1.77E-106	0.193286	chr16_29140601_291408(	sig	hyper
chr16	2.9E+07	2.9E+07	*	1.229E-17	1.715E-17	-0.1257	chr16_29148601_291488(	sig	hypo
chr16	2.9E+07	2.9E+07	*	1.075E-60	3.384E-60	-0.19611	chr16_29148801_291490(	sig	hypo
chr16	2.9E+07	2.9E+07	*	7.639E-31	1.453E-30	-0.14282	chr16_29149001_291492(	sig	hypo
chr16	2.9E+07	2.9E+07	*	5.496E-81	2.31E-80	0.208835	chr16_29154601_291548(	sig	hyper
chr16	2.9E+07	2.9E+07	*	4.89E-149	5.13E-148	-0.33921	chr16_29156601_291568(	sig	hypo
chr16	2.9E+07	2.9E+07	*	1.01E-105	5.92E-105	-0.34989	chr16_29157401_291576(	sig	hypo
chr16	2.9E+07	2.9E+07	*	3.178E-72	1.178E-71	-0.21151	chr16_29181801_291820(	sig	hypo
chr16	2.9E+07	2.9E+07	*	4.48E-56	1.316E-55	-0.23076	chr16_29182001_291822(	sig	hypo
chr16	2.9E+07	2.9E+07	*	5.609E-70	2.019E-69	-0.21524	chr16_29184601_291848(	sig	hypo
chr16	2.9E+07	2.9E+07	*	2.794E-34	5.694E-34	0.145715	chr16_29199801_292000(	sig	hyper
chr16	2.9E+07	2.9E+07	*	3.949E-33	7.865E-33	-0.14268	chr16_29217601_292178(	sig	hypo
chr16	2.9E+07	2.9E+07	*	4.36E-174	6.46E-173	-0.35147	chr16_29218801_292190(	sig	hypo
chr16	2.9E+07	2.9E+07	*	1.04E-100	5.71E-100	0.295312	chr16_29220801_292210(	sig	hyper
chr16	2.9E+07	2.9E+07	*	3.981E-90	1.901E-89	0.184457	chr16_29231001_292312(	sig	hyper
chr16	2.9E+07	2.9E+07	*	1.301E-90	6.251E-90	-0.31015	chr16_29252001_292522(	sig	hypo
chr16	2.9E+07	2.9E+07	*	2.778E-82	1.19E-81	-0.15719	chr16_29255001_292552(	sig	hypo
chr16	2.9E+07	2.9E+07	*	8.267E-24	1.352E-23	-0.14306	chr16_29257201_292574(	sig	hypo
chr16	2.9E+07	2.9E+07	*	1.317E-31	2.542E-31	-0.16007	chr16_29261401_292616(	sig	hypo
chr16	2.9E+07	2.9E+07	*	2.647E-67	9.166E-67	-0.21211	chr16_29285201_292854(	sig	hypo
chr16	2.9E+07	2.9E+07	*	6.99E-159	8.31E-158	-0.26963	chr16_29289201_292894(	sig	hypo
chr16	2.9E+07	2.9E+07	*	1.02E-101	5.66E-101	-0.1775	chr16_29318001_293182(	sig	hypo
chr16	2.9E+07	2.9E+07	*	1.512E-78	6.149E-78	-0.21703	chr16_29318201_293184(	sig	hypo
chr16	3E+07	3E+07	*	1.564E-24	2.604E-24	0.127847	chr16_29615001_296152(	sig	hyper
chr16	3E+07	3E+07	*	8.412E-79	3.434E-78	-0.27246	chr16_29664401_296646(	sig	hypo
chr16	3E+07	3E+07	*	2.212E-46	5.565E-46	-0.17481	chr16_29664601_296648(	sig	hypo
chr16	3E+07	3E+07	*	1.48E-122	1.08E-121	0.191159	chr16_29785001_297852(	sig	hyper
chr16	3E+07	3E+07	*	2.06E-215	5.29E-214	0.215237	chr16_29785201_297854(	sig	hyper
chr16	3E+07	3E+07	*	1.05E-119	7.41E-119	0.281153	chr16_29785401_297856(	sig	hyper
chr16	3E+07	3E+07	*	3.771E-14	4.759E-14	-0.11775	chr16_29790001_297902(	sig	hypo
chr16	3E+07	3E+07	*	2.485E-29	4.581E-29	-0.16289	chr16_29863801_298640(	sig	hypo
chr16	3E+07	3E+07	*	2.1E-127	1.65E-126	0.257607	chr16_29877201_298774(	sig	hyper
chr16	3E+07	3E+07	*	2.64E-101	1.46E-100	0.255779	chr16_29877401_298776(	sig	hyper
chr16	3E+07	3E+07	*	9.336E-54	2.642E-53	0.131428	chr16_29901401_299016(	sig	hyper
chr16	3E+07	3E+07	*	1.842E-76	7.27E-76	0.121351	chr16_29986201_299864(	sig	hyper
chr16	3E+07	3E+07	*	8.095E-38	1.764E-37	0.124337	chr16_30005401_300056(	sig	hyper
chr16	3E+07	3E+07	*	2.002E-15	2.628E-15	-0.12523	chr16_30009401_300096(	sig	hypo
chr16	3E+07	3E+07	*	4.955E-68	1.733E-67	0.218383	chr16_30012201_300124(	sig	hyper
chr16	3E+07	3E+07	*	1.756E-40	4.003E-40	-0.18057	chr16_30023001_300232(	sig	hypo
chr16	3E+07	3E+07	*	1.22E-240	4.34E-239	0.368357	chr16_30095401_300956(	sig	hyper
chr16	3E+07	3E+07	*	8.598E-41	1.969E-40	0.140583	chr16_30121801_301220(	sig	hyper
chr16	3E+07	3E+07	*	2.345E-45	5.786E-45	-0.12721	chr16_30187001_301872(	sig	hypo
chr16	3E+07	3E+07	*	3.386E-53	9.493E-53	0.110305	chr16_30194601_301948(	sig	hyper
chr16	3E+07	3E+07	*	3.209E-55	9.299E-55	-0.18894	chr16_30445001_304452(	sig	hypo
chr16	3E+07	3E+07	*	4.39E-119	3.07E-118	0.255551	chr16_30474201_304744(	sig	hyper

chr16	3E+07	3E+07	*	2.998E-17	4.137E-17	0.113569	chr16_30474401_304746(	sig	hyper
chr16	3.1E+07	3.1E+07	*	5.489E-40	1.24E-39	0.108895	chr16_30650201_306504(	sig	hyper
chr16	3.1E+07	3.1E+07	*	1.08E-170	1.52E-169	-0.40839	chr16_30821201_308214(	sig	hypo
chr16	3.1E+07	3.1E+07	*	1.138E-47	2.925E-47	-0.22051	chr16_30821401_308216(	sig	hypo
chr16	3.1E+07	3.1E+07	*	1.742E-39	3.898E-39	0.213441	chr16_30895801_308960(	sig	hyper
chr16	3.1E+07	3.1E+07	*	2.3E-298	1.65E-296	0.32307	chr16_30948001_309482(	sig	hyper
chr16	3.1E+07	3.1E+07	*	4.24E-70	1.529E-69	0.208623	chr16_31010801_310110(	sig	hyper
chr16	3.1E+07	3.1E+07	*	2.16E-115	1.46E-114	0.199917	chr16_31011001_310112(	sig	hyper
chr16	3.1E+07	3.1E+07	*	4.379E-97	2.301E-96	0.235147	chr16_31042601_310428(	sig	hyper
chr16	3.1E+07	3.1E+07	*	1.029E-29	1.913E-29	-0.11029	chr16_31064201_310644(	sig	hypo
chr16	3.1E+07	3.1E+07	*	7.439E-42	1.736E-41	-0.13768	chr16_31095401_310956(	sig	hypo
chr16	3.1E+07	3.1E+07	*	1.696E-56	5.015E-56	0.12233	chr16_31148401_311486(	sig	hyper
chr16	3.1E+07	3.1E+07	*	1.099E-61	3.515E-61	0.133051	chr16_31215001_312152(	sig	hyper
chr16	3.1E+07	3.1E+07	*	9.05E-108	5.47E-107	0.182183	chr16_31217001_312172(	sig	hyper
chr16	3.1E+07	3.1E+07	*	1.67E-208	3.9E-207	0.285114	chr16_31224201_312244(	sig	hyper
chr16	3.1E+07	3.1E+07	*	2.048E-81	8.663E-81	0.124855	chr16_31224401_312246(	sig	hyper
chr16	3.1E+07	3.1E+07	*	7.732E-66	2.626E-65	-0.15163	chr16_31371601_313718(	sig	hypo
chr16	3.1E+07	3.1E+07	*	1.991E-12	2.369E-12	0.106777	chr16_31442001_314422(	sig	hyper
chr16	3.1E+07	3.1E+07	*	8.093E-97	4.232E-96	0.284429	chr16_31471401_314716(	sig	hyper
chr16	3.1E+07	3.1E+07	*	1.813E-40	4.132E-40	-0.18935	chr16_31477401_314776(	sig	hypo
chr16	3.2E+07	3.2E+07	*	1.278E-54	3.668E-54	0.117213	chr16_31568401_315686(	sig	hyper
chr16	3.2E+07	3.2E+07	*	1.482E-36	3.156E-36	0.229544	chr16_31569201_315694(	sig	hyper
chr16	3.2E+07	3.2E+07	*	2.87E-157	3.35E-156	0.230628	chr16_31569601_315698(	sig	hyper
chr16	3.2E+07	3.2E+07	*	2.885E-34	5.878E-34	0.122809	chr16_31820001_318202(	sig	hyper
chr16	3.4E+07	3.4E+07	*	4.769E-25	8.026E-25	0.119429	chr16_34163001_341632(	sig	hyper
chr16	3.6E+07	3.6E+07	*	2.043E-29	3.774E-29	0.18296	chr16_35553201_355534(	sig	hyper
chr16	4.6E+07	4.6E+07	*	1.404E-56	4.154E-56	0.227422	chr16_46428801_464290(	sig	hyper
chr16	4.7E+07	4.7E+07	*	1.426E-68	5.023E-68	-0.32594	chr16_46573601_465738(	sig	hypo
chr16	4.7E+07	4.7E+07	*	1.312E-10	1.457E-10	-0.11112	chr16_46573801_465740(	sig	hypo
chr16	4.7E+07	4.7E+07	*	4.18E-110	2.61E-109	-0.273	chr16_46731401_467316(	sig	hypo
chr16	4.7E+07	4.7E+07	*	8.217E-20	1.217E-19	-0.14768	chr16_47038201_470384(	sig	hypo
chr16	4.9E+07	4.9E+07	*	3.836E-25	6.471E-25	0.135728	chr16_48810201_488104(	sig	hyper
chr16	4.9E+07	4.9E+07	*	3.23E-185	5.51E-184	0.305898	chr16_49275201_492754(	sig	hyper
chr16	4.9E+07	4.9E+07	*	1.05E-103	5.97E-103	0.279856	chr16_49277401_492776(	sig	hyper
chr16	4.9E+07	4.9E+07	*	5.37E-34	1.088E-33	0.165394	chr16_49277601_492778(	sig	hyper
chr16	4.9E+07	4.9E+07	*	3.267E-59	1.005E-58	0.178093	chr16_49277801_492780(	sig	hyper
chr16	4.9E+07	4.9E+07	*	2.1E-137	1.87E-136	0.226474	chr16_49278001_492782(	sig	hyper
chr16	4.9E+07	4.9E+07	*	4.266E-77	1.7E-76	0.210567	chr16_49278601_492788(	sig	hyper
chr16	4.9E+07	4.9E+07	*	7.049E-76	2.759E-75	0.145912	chr16_49280801_492810(	sig	hyper
chr16	4.9E+07	4.9E+07	*	1.418E-67	4.931E-67	0.306283	chr16_49465001_494652(	sig	hyper
chr16	4.9E+07	4.9E+07	*	2.349E-64	7.819E-64	0.257463	chr16_49465201_494654(	sig	hyper
chr16	5E+07	5E+07	*	3.35E-27	5.924E-27	-0.13529	chr16_49635801_496360(	sig	hypo
chr16	5E+07	5E+07	*	2.725E-18	3.871E-18	-0.10378	chr16_49698401_496986(	sig	hypo
chr16	5E+07	5E+07	*	2.334E-25	3.956E-25	0.137474	chr16_49876201_498764(	sig	hyper
chr16	5E+07	5E+07	*	1.54E-29	2.852E-29	-0.11068	chr16_50313801_503140(	sig	hypo
chr16	5E+07	5E+07	*	2.008E-33	4.021E-33	-0.16398	chr16_50391401_503916(	sig	hypo
chr16	5.1E+07	5.1E+07	*	2.387E-36	5.065E-36	0.102224	chr16_50673401_506736(	sig	hyper
chr16	5.1E+07	5.1E+07	*	1.937E-90	9.296E-90	0.23964	chr16_50673801_506740(	sig	hyper
chr16	5.1E+07	5.1E+07	*	1.505E-61	4.8E-61	-0.12577	chr16_50696801_506970(	sig	hypo
chr16	5.1E+07	5.1E+07	*	1.235E-85	5.534E-85	0.154595	chr16_50712001_507122(	sig	hyper
chr16	5.1E+07	5.1E+07	*	2.83E-235	9.35E-234	0.225452	chr16_51113601_511138(	sig	hyper
chr16	5.1E+07	5.1E+07	*	2.14E-188	3.81E-187	0.279018	chr16_51113801_511140(	sig	hyper
chr16	5.1E+07	5.1E+07	*	6.401E-29	1.171E-28	-0.10337	chr16_51140201_511404(	sig	hypo
chr16	5.1E+07	5.1E+07	*	1.308E-69	4.676E-69	0.253287	chr16_51150001_511502(	sig	hyper
chr16	5.1E+07	5.1E+07	*	1.23E-123	9.11E-123	0.32757	chr16_51150801_511510(	sig	hyper
chr16	5.1E+07	5.1E+07	*	0	0	0.435109	chr16_51151001_511512(	sig	hyper

chr16	5.1E+07	5.1E+07	*	2.5E-262	1.15E-260	0.25438	chr16_51151401_511516(	sig	hyper
chr16	5.1E+07	5.1E+07	*	2.59E-254	1.09E-252	0.34396	chr16_51153601_511538(	sig	hyper
chr16	5.1E+07	5.1E+07	*	1.61E-239	5.62E-238	0.278404	chr16_51153801_511540(	sig	hyper
chr16	5.1E+07	5.1E+07	*	6E-101	3.3E-100	0.250982	chr16_51155801_511560(	sig	hyper
chr16	5.1E+07	5.1E+07	*	1.3E-162	1.64E-161	0.237445	chr16_51156001_511562(	sig	hyper
chr16	5.1E+07	5.1E+07	*	0	0	0.366789	chr16_51156201_511564(	sig	hyper
chr16	5.4E+07	5.4E+07	*	5.996E-55	1.729E-54	0.146084	chr16_54281601_542818(	sig	hyper
chr16	5.4E+07	5.4E+07	*	2.61E-119	1.83E-118	0.160378	chr16_54282001_542822(	sig	hyper
chr16	5.4E+07	5.4E+07	*	3.282E-25	5.544E-25	0.163229	chr16_54283001_542832(	sig	hyper
chr16	5.4E+07	5.4E+07	*	3.77E-50	1.008E-49	0.138806	chr16_54285201_542854(	sig	hyper
chr16	5.4E+07	5.4E+07	*	1.26E-122	9.26E-122	0.28331	chr16_54288401_542886(	sig	hyper
chr16	5.4E+07	5.4E+07	*	9.69E-153	1.07E-151	0.307182	chr16_54289001_542892(	sig	hyper
chr16	5.4E+07	5.4E+07	*	2.4E-224	6.87E-223	0.289831	chr16_54290201_542904(	sig	hyper
chr16	5.4E+07	5.4E+07	*	1.44E-112	9.31E-112	0.251114	chr16_54291201_542914(	sig	hyper
chr16	5.4E+07	5.4E+07	*	6.016E-63	1.957E-62	0.201017	chr16_54291601_542918(	sig	hyper
chr16	5.5E+07	5.5E+07	*	1.465E-45	3.627E-45	0.215844	chr16_54931801_549320(	sig	hyper
chr16	5.5E+07	5.5E+07	*	0	0	0.411458	chr16_54932601_549328(	sig	hyper
chr16	5.5E+07	5.5E+07	*	4.98E-271	2.62E-269	0.409829	chr16_54933801_549340(	sig	hyper
chr16	5.5E+07	5.5E+07	*	8.64E-156	9.89E-155	0.33435	chr16_54934801_549350(	sig	hyper
chr16	5.5E+07	5.5E+07	*	3.962E-49	1.044E-48	0.147302	chr16_54936201_549364(	sig	hyper
chr16	5.5E+07	5.5E+07	*	0	0	0.227452	chr16_54936401_549366(	sig	hyper
chr16	5.5E+07	5.5E+07	*	6.799E-48	1.753E-47	0.13834	chr16_54937601_549378(	sig	hyper
chr16	5.5E+07	5.5E+07	*	1.05E-111	6.72E-111	0.174718	chr16_54938401_549386(	sig	hyper
chr16	5.5E+07	5.5E+07	*	3.056E-89	1.443E-88	0.157064	chr16_54938601_549388(	sig	hyper
chr16	5.5E+07	5.5E+07	*	9.738E-75	3.747E-74	0.178494	chr16_54938801_549390(	sig	hyper
chr16	5.5E+07	5.5E+07	*	8.849E-43	2.096E-42	0.268241	chr16_54939201_549394(	sig	hyper
chr16	5.5E+07	5.5E+07	*	7.687E-88	3.559E-87	0.311786	chr16_54939601_549398(	sig	hyper
chr16	5.5E+07	5.5E+07	*	2.49E-129	1.99E-128	0.293093	chr16_54940001_549402(	sig	hyper
chr16	5.5E+07	5.5E+07	*	1.05E-131	8.68E-131	0.184759	chr16_55323801_553240(	sig	hyper
chr16	5.5E+07	5.5E+07	*	1.072E-92	5.283E-92	0.270325	chr16_55327601_553278(	sig	hyper
chr16	5.5E+07	5.5E+07	*	8.25E-110	5.13E-109	0.27665	chr16_55328801_553290(	sig	hyper
chr16	5.5E+07	5.5E+07	*	2.865E-10	3.139E-10	0.106087	chr16_55330201_553304(	sig	hyper
chr16	5.5E+07	5.5E+07	*	9.854E-75	3.79E-74	0.247912	chr16_55330801_553310(	sig	hyper
chr16	5.5E+07	5.5E+07	*	2.582E-48	6.708E-48	0.261287	chr16_55331801_553320(	sig	hyper
chr16	5.5E+07	5.5E+07	*	1.591E-22	2.521E-22	0.173688	chr16_55478801_554790(	sig	hyper
chr16	5.5E+07	5.5E+07	*	7.548E-59	2.311E-58	0.172383	chr16_55480401_554806(	sig	hyper
chr16	5.6E+07	5.6E+07	*	6.74E-287	4.21E-285	0.270729	chr16_55656401_556566(	sig	hyper
chr16	5.6E+07	5.6E+07	*	4.05E-148	4.19E-147	0.256949	chr16_55656601_556568(	sig	hyper
chr16	5.6E+07	5.6E+07	*	1.398E-41	3.247E-41	0.198534	chr16_55832601_558328(	sig	hyper
chr16	5.6E+07	5.6E+07	*	8.4E-189	1.52E-187	0.252112	chr16_56190601_561908(	sig	hyper
chr16	5.6E+07	5.6E+07	*	0	0	0.238928	chr16_56190801_561910(	sig	hyper
chr16	5.6E+07	5.6E+07	*	6.799E-50	1.81E-49	0.212246	chr16_56193801_561940(	sig	hyper
chr16	5.6E+07	5.6E+07	*	0	1.97E-307	0.188603	chr16_56194401_561946(	sig	hyper
chr16	5.6E+07	5.6E+07	*	4.576E-86	2.065E-85	0.20149	chr16_56194601_561948(	sig	hyper
chr16	5.7E+07	5.7E+07	*	1.238E-78	5.046E-78	0.176528	chr16_56589001_565892(	sig	hyper
chr16	5.7E+07	5.7E+07	*	7.774E-53	2.166E-52	0.153207	chr16_56589201_565894(	sig	hyper
chr16	5.7E+07	5.7E+07	*	3.627E-44	8.791E-44	0.207423	chr16_56607001_566072(	sig	hyper
chr16	5.7E+07	5.7E+07	*	2.044E-63	6.712E-63	0.145376	chr16_56625801_566260(	sig	hyper
chr16	5.7E+07	5.7E+07	*	5.083E-25	8.55E-25	0.14177	chr16_56635001_566352(	sig	hyper
chr16	5.7E+07	5.7E+07	*	3.43E-80	1.43E-79	0.196578	chr16_56635601_566358(	sig	hyper
chr16	5.7E+07	5.7E+07	*	2.744E-26	4.758E-26	0.111773	chr16_56647801_566480(	sig	hyper
chr16	5.7E+07	5.7E+07	*	2.26E-87	1.038E-86	0.152917	chr16_57091801_570920(	sig	hyper
chr16	5.7E+07	5.7E+07	*	3.096E-21	4.752E-21	-0.11162	chr16_57185001_571852(	sig	hypo
chr16	5.7E+07	5.7E+07	*	7.574E-14	9.461E-14	0.117709	chr16_57260401_572606(	sig	hyper
chr16	5.7E+07	5.7E+07	*	1.545E-33	3.101E-33	0.104932	chr16_57372401_573726(	sig	hyper
chr16	5.8E+07	5.8E+07	*	2.92E-111	1.85E-110	-0.20338	chr16_57528801_575290(	sig	hypo

chr16	5.8E+07	5.8E+07	*	1.3E-131	1.08E-130	-0.2882	chr16_57529401_575296(	sig	hypo
chr16	5.8E+07	5.8E+07	*	1.221E-61	3.903E-61	-0.19022	chr16_57620401_576206(	sig	hypo
chr16	5.8E+07	5.8E+07	*	5.84E-103	3.29E-102	0.323955	chr16_57628001_576282(	sig	hyper
chr16	5.8E+07	5.8E+07	*	9.611E-57	2.853E-56	-0.23682	chr16_57667401_576676(	sig	hypo
chr16	5.8E+07	5.8E+07	*	1.91E-224	5.49E-223	-0.3064	chr16_57797801_577980(	sig	hypo
chr16	5.8E+07	5.8E+07	*	6.91E-36	1.449E-35	-0.17871	chr16_57798201_577984(	sig	hypo
chr16	5.8E+07	5.8E+07	*	9.45E-168	1.27E-166	0.375473	chr16_57802801_578030(	sig	hyper
chr16	5.8E+07	5.8E+07	*	2.26E-111	1.44E-110	0.391389	chr16_57803001_578032(	sig	hyper
chr16	5.8E+07	5.8E+07	*	2.348E-36	4.983E-36	-0.16161	chr16_58024601_580248(	sig	hypo
chr16	5.8E+07	5.8E+07	*	2.14E-198	4.4E-197	0.260464	chr16_58464601_584648(	sig	hyper
chr16	5.8E+07	5.8E+07	*	7.2E-192	1.35E-190	0.312358	chr16_58464801_584650(	sig	hyper
chr16	5.8E+07	5.8E+07	*	1.011E-18	1.455E-18	-0.14693	chr16_58467601_584678(	sig	hypo
chr16	5.9E+07	5.9E+07	*	2.383E-10	2.618E-10	-0.10776	chr16_58511601_585118(	sig	hypo
chr16	6.2E+07	6.2E+07	*	1.16E-137	1.03E-136	0.357331	chr16_62035801_620360(	sig	hyper
chr16	6.2E+07	6.2E+07	*	4.47E-198	9.18E-197	0.238486	chr16_62036001_620362(	sig	hyper
chr16	6.2E+07	6.2E+07	*	0	0	0.305068	chr16_62036201_620364(	sig	hyper
chr16	6.2E+07	6.2E+07	*	6.19E-138	5.55E-137	0.277532	chr16_62036401_620366(	sig	hyper
chr16	6.4E+07	6.4E+07	*	1.726E-64	5.753E-64	0.261168	chr16_63617601_636178(	sig	hyper
chr16	6.5E+07	6.5E+07	*	1.87E-41	4.333E-41	0.121466	chr16_65123601_651238(	sig	hyper
chr16	6.6E+07	6.6E+07	*	4.761E-36	1.002E-35	-0.13081	chr16_66403001_664032(	sig	hypo
chr16	6.7E+07	6.7E+07	*	1.856E-16	2.508E-16	0.125493	chr16_66541801_665420(	sig	hyper
chr16	6.7E+07	6.7E+07	*	2.22E-222	6.16E-221	0.28429	chr16_66579001_665792(	sig	hyper
chr16	6.7E+07	6.7E+07	*	0	0	0.232784	chr16_66579201_665794(	sig	hyper
chr16	6.7E+07	6.7E+07	*	2.724E-70	9.845E-70	0.187458	chr16_66579401_665796(	sig	hyper
chr16	6.7E+07	6.7E+07	*	2.09E-154	2.35E-153	0.283281	chr16_66604201_666044(	sig	hyper
chr16	6.7E+07	6.7E+07	*	9.39E-161	1.15E-159	0.18337	chr16_66604401_666046(	sig	hyper
chr16	6.7E+07	6.7E+07	*	1.608E-40	3.667E-40	-0.20228	chr16_66845801_668460(	sig	hypo
chr16	6.7E+07	6.7E+07	*	2.743E-82	1.176E-81	0.267368	chr16_66923401_669236(	sig	hyper
chr16	6.7E+07	6.7E+07	*	7.62E-142	7.2E-141	0.343477	chr16_66925801_669260(	sig	hyper
chr16	6.7E+07	6.7E+07	*	3.739E-56	1.099E-55	0.121323	chr16_66935601_669358(	sig	hyper
chr16	6.7E+07	6.7E+07	*	1.117E-46	2.823E-46	0.153958	chr16_66935801_669360(	sig	hyper
chr16	6.7E+07	6.7E+07	*	2.337E-39	5.223E-39	0.122461	chr16_66948401_669486(	sig	hyper
chr16	6.7E+07	6.7E+07	*	1.01E-207	2.34E-206	0.19949	chr16_66948601_669488(	sig	hyper
chr16	6.7E+07	6.7E+07	*	4.81E-173	6.98E-172	0.269513	chr16_66948801_669490(	sig	hyper
chr16	6.7E+07	6.7E+07	*	8.815E-95	4.489E-94	-0.28003	chr16_66975201_669754(	sig	hypo
chr16	6.7E+07	6.7E+07	*	3.21E-158	3.78E-157	0.194295	chr16_67014401_670146(	sig	hyper
chr16	6.7E+07	6.7E+07	*	5.093E-23	8.181E-23	0.10201	chr16_67149801_671500(	sig	hyper
chr16	6.7E+07	6.7E+07	*	8.31E-11	9.317E-11	0.103634	chr16_67155801_671560(	sig	hyper
chr16	6.7E+07	6.7E+07	*	1.14E-51	3.117E-51	0.202871	chr16_67156001_671562(	sig	hyper
chr16	6.7E+07	6.7E+07	*	3.299E-18	4.676E-18	0.101548	chr16_67161601_671618(	sig	hyper
chr16	6.7E+07	6.7E+07	*	1.644E-75	6.403E-75	0.196893	chr16_67161801_671620(	sig	hyper
chr16	6.7E+07	6.7E+07	*	1.862E-41	4.315E-41	0.227359	chr16_67162801_671630(	sig	hyper
chr16	6.7E+07	6.7E+07	*	2.665E-90	1.277E-89	0.270951	chr16_67163001_671632(	sig	hyper
chr16	6.7E+07	6.7E+07	*	0	0	0.358482	chr16_67163201_671634(	sig	hyper
chr16	6.7E+07	6.7E+07	*	1.3E-185	2.23E-184	0.323516	chr16_67163601_671638(	sig	hyper
chr16	6.7E+07	6.7E+07	*	2.331E-55	6.77E-55	0.187414	chr16_67164201_671644(	sig	hyper
chr16	6.7E+07	6.7E+07	*	1.731E-44	4.216E-44	0.165411	chr16_67164401_671646(	sig	hyper
chr16	6.7E+07	6.7E+07	*	4.8E-192	9.02E-191	0.400053	chr16_67165401_671656(	sig	hyper
chr16	6.7E+07	6.7E+07	*	7.24E-121	5.2E-120	0.335887	chr16_67165601_671658(	sig	hyper
chr16	6.7E+07	6.7E+07	*	1.007E-73	3.81E-73	0.181889	chr16_67165801_671660(	sig	hyper
chr16	6.7E+07	6.7E+07	*	5.111E-67	1.765E-66	0.208149	chr16_67170001_671702(	sig	hyper
chr16	6.7E+07	6.7E+07	*	6.206E-66	2.111E-65	0.13629	chr16_67170201_671704(	sig	hyper
chr16	6.7E+07	6.7E+07	*	3.018E-63	9.871E-63	0.178568	chr16_67170801_671710(	sig	hyper
chr16	6.7E+07	6.7E+07	*	3.547E-37	7.646E-37	0.119229	chr16_67184801_671850(	sig	hyper
chr16	6.7E+07	6.7E+07	*	6.52E-109	4E-108	0.238685	chr16_67185201_671854(	sig	hyper
chr16	6.7E+07	6.7E+07	*	9.249E-17	1.26E-16	-0.10538	chr16_67394401_673946(	sig	hypo

chr16	6.7E+07	6.7E+07	*	5.187E-15	6.727E-15	-0.15042	chr16_67395001_673952(	sig	hypo
chr16	6.7E+07	6.7E+07	*	2.771E-13	3.401E-13	0.109987	chr16_67399401_673996(	sig	hyper
chr16	6.8E+07	6.8E+07	*	4.03E-26	6.963E-26	0.11956	chr16_67530601_675308(	sig	hyper
chr16	6.8E+07	6.8E+07	*	2.924E-52	8.06E-52	0.188295	chr16_67648801_676490(	sig	hyper
chr16	6.8E+07	6.8E+07	*	3.8E-173	5.52E-172	0.329951	chr16_67649801_676500(	sig	hyper
chr16	6.8E+07	6.8E+07	*	3.46E-36	7.312E-36	0.16001	chr16_67653801_676540(	sig	hyper
chr16	6.8E+07	6.8E+07	*	6.609E-62	2.121E-61	0.120512	chr16_67661201_676614(	sig	hyper
chr16	6.8E+07	6.8E+07	*	8.922E-35	1.836E-34	0.151975	chr16_67661601_676618(	sig	hyper
chr16	6.8E+07	6.8E+07	*	8.934E-33	1.766E-32	0.205758	chr16_67667401_676676(	sig	hyper
chr16	6.8E+07	6.8E+07	*	6.69E-125	5.05E-124	0.184986	chr16_67843401_678436(	sig	hyper
chr16	6.8E+07	6.8E+07	*	1.252E-44	3.057E-44	0.242135	chr16_67884601_678848(	sig	hyper
chr16	6.8E+07	6.8E+07	*	1.12E-196	2.26E-195	0.321939	chr16_67884801_678850(	sig	hyper
chr16	6.8E+07	6.8E+07	*	4.9E-260	2.22E-258	0.492129	chr16_67944201_679444(	sig	hyper
chr16	6.8E+07	6.8E+07	*	1.51E-104	8.69E-104	0.379026	chr16_67944401_679446(	sig	hyper
chr16	6.8E+07	6.8E+07	*	2.823E-16	3.793E-16	0.109271	chr16_67945401_679456(	sig	hyper
chr16	6.8E+07	6.8E+07	*	5.06E-268	2.59E-266	0.310008	chr16_67964001_679642(	sig	hyper
chr16	6.8E+07	6.8E+07	*	5.971E-58	1.805E-57	-0.12152	chr16_67982401_679826(	sig	hypo
chr16	6.8E+07	6.8E+07	*	5.946E-25	9.989E-25	0.137365	chr16_67993001_679932(	sig	hyper
chr16	6.8E+07	6.8E+07	*	1.349E-34	2.769E-34	-0.14612	chr16_68235001_682352(	sig	hypo
chr16	6.8E+07	6.8E+07	*	1.824E-25	3.1E-25	-0.18068	chr16_68235201_682354(	sig	hypo
chr16	6.8E+07	6.8E+07	*	1.035E-19	1.529E-19	-0.10222	chr16_68236601_682368(	sig	hypo
chr16	6.8E+07	6.8E+07	*	3.243E-33	6.471E-33	0.210874	chr16_68447401_684476(	sig	hyper
chr16	6.8E+07	6.8E+07	*	3.921E-27	6.925E-27	0.225675	chr16_68447601_684478(	sig	hyper
chr16	6.9E+07	6.9E+07	*	5.72E-63	1.861E-62	0.187178	chr16_68510001_685102(	sig	hyper
chr16	6.9E+07	6.9E+07	*	1.837E-88	8.586E-88	0.111359	chr16_68510201_685104(	sig	hyper
chr16	6.9E+07	6.9E+07	*	1.08E-234	3.54E-233	0.269649	chr16_68642601_686428(	sig	hyper
chr16	6.9E+07	6.9E+07	*	1.24E-157	1.45E-156	0.29823	chr16_68642801_686430(	sig	hyper
chr16	6.9E+07	6.9E+07	*	4.337E-18	6.129E-18	-0.10883	chr16_68738401_687386(	sig	hypo
chr16	6.9E+07	6.9E+07	*	1.306E-45	3.234E-45	-0.24999	chr16_68745001_687452(	sig	hypo
chr16	7E+07	7E+07	*	2.99E-168	4.06E-167	0.23798	chr16_69917801_699180(	sig	hyper
chr16	7E+07	7E+07	*	8.03E-22	1.252E-21	-0.16212	chr16_70173401_701736(	sig	hypo
chr16	7E+07	7E+07	*	7.57E-148	7.78E-147	0.26748	chr16_70451001_704512(	sig	hyper
chr16	7.1E+07	7.1E+07	*	3.31E-275	1.82E-273	0.32675	chr16_70686401_706866(	sig	hyper
chr16	7.1E+07	7.1E+07	*	3.75E-279	2.15E-277	0.419934	chr16_70726001_707262(	sig	hyper
chr16	7.1E+07	7.1E+07	*	2.91E-42	6.836E-42	0.14928	chr16_70789401_707896(	sig	hyper
chr16	7.1E+07	7.1E+07	*	6.5E-115	4.35E-114	0.21947	chr16_71426201_714264(	sig	hyper
chr16	7.1E+07	7.1E+07	*	1.38E-230	4.22E-229	0.228991	chr16_71426401_714266(	sig	hyper
chr16	7.3E+07	7.3E+07	*	2.99E-132	2.49E-131	0.397513	chr16_72947601_729478(	sig	hyper
chr16	7.3E+07	7.3E+07	*	9.139E-38	1.99E-37	-0.10557	chr16_72948601_729488(	sig	hypo
chr16	7.3E+07	7.3E+07	*	1.11E-105	6.48E-105	-0.29183	chr16_72961201_729614(	sig	hypo
chr16	7.3E+07	7.3E+07	*	4.37E-207	1E-205	-0.21081	chr16_73063001_730632(	sig	hypo
chr16	7.3E+07	7.3E+07	*	3.671E-36	7.749E-36	-0.2257	chr16_73063801_730640(	sig	hypo
chr16	7.3E+07	7.3E+07	*	1.586E-48	4.133E-48	-0.21479	chr16_73064001_730642(	sig	hypo
chr16	7.3E+07	7.3E+07	*	1.9E-236	6.33E-235	-0.31609	chr16_73064801_730650(	sig	hypo
chr16	7.5E+07	7.5E+07	*	7.877E-87	3.592E-86	0.203257	chr16_75000601_750008(	sig	hyper
chr16	7.5E+07	7.5E+07	*	9.913E-30	1.844E-29	-0.12036	chr16_75116801_751170(	sig	hypo
chr16	7.5E+07	7.5E+07	*	2.809E-20	4.212E-20	-0.16679	chr16_75224801_752250(	sig	hypo
chr16	7.5E+07	7.5E+07	*	8.269E-26	1.418E-25	0.158974	chr16_75248401_752486(	sig	hyper
chr16	7.5E+07	7.5E+07	*	8.026E-46	1.997E-45	-0.22817	chr16_75486201_754864(	sig	hypo
chr16	7.7E+07	7.7E+07	*	4.171E-16	5.569E-16	0.137744	chr16_77213201_772134(	sig	hyper
chr16	7.7E+07	7.7E+07	*	1.331E-40	3.039E-40	0.155829	chr16_77434401_774346(	sig	hyper
chr16	7.7E+07	7.7E+07	*	2.189E-18	3.121E-18	0.108085	chr16_77435601_774358(	sig	hyper
chr16	7.8E+07	7.8E+07	*	1.442E-81	6.111E-81	0.134924	chr16_77788201_777884(	sig	hyper
chr16	7.8E+07	7.8E+07	*	2.41E-213	6.04E-212	0.151411	chr16_77788401_777886(	sig	hyper
chr16	7.8E+07	7.8E+07	*	4.19E-149	4.4E-148	0.35932	chr16_77788801_777890(	sig	hyper
chr16	7.8E+07	7.8E+07	*	7.336E-98	3.889E-97	0.264136	chr16_77789201_777894(	sig	hyper

chr16	8E+07	8E+07	*	1.643E-51	4.478E-51	0.196119	chr16_79589601_795898(	sig	hyper
chr16	8E+07	8E+07	*	6.87E-16	9.132E-16	-0.11846	chr16_79593801_795940(	sig	hypo
chr16	8E+07	8E+07	*	1.089E-83	4.753E-83	0.119092	chr16_79598801_795990(	sig	hyper
chr16	8.1E+07	8.1E+07	*	5.998E-29	1.098E-28	-0.13689	chr16_81005801_810060(	sig	hypo
chr16	8.1E+07	8.1E+07	*	1.07E-110	6.76E-110	-0.26572	chr16_81493401_814936(	sig	hypo
chr16	8.1E+07	8.1E+07	*	4.99E-102	2.78E-101	-0.21005	chr16_81493601_814938(	sig	hypo
chr16	8.2E+07	8.2E+07	*	0	0	0.304367	chr16_81645201_816454(	sig	hyper
chr16	8.2E+07	8.2E+07	*	5.546E-36	1.165E-35	0.162503	chr16_81651401_816516(	sig	hyper
chr16	8.2E+07	8.2E+07	*	2.951E-71	1.082E-70	0.204875	chr16_81676201_816764(	sig	hyper
chr16	8.2E+07	8.2E+07	*	4.14E-151	4.51E-150	0.25267	chr16_81693401_816936(	sig	hyper
chr16	8.2E+07	8.2E+07	*	1.603E-38	3.535E-38	0.114187	chr16_81698401_816986(	sig	hyper
chr16	8.2E+07	8.2E+07	*	1.046E-17	1.464E-17	-0.10332	chr16_82011001_820112(	sig	hypo
chr16	8.3E+07	8.3E+07	*	2.926E-47	7.474E-47	0.122136	chr16_82627801_826280(	sig	hyper
chr16	8.4E+07	8.4E+07	*	7.614E-45	1.865E-44	0.16263	chr16_83814401_838146(	sig	hyper
chr16	8.4E+07	8.4E+07	*	4.251E-98	2.26E-97	-0.33068	chr16_83935201_839354(	sig	hypo
chr16	8.4E+07	8.4E+07	*	3.078E-35	6.391E-35	-0.14695	chr16_83941001_839412(	sig	hypo
chr16	8.4E+07	8.4E+07	*	8.593E-51	2.317E-50	-0.25373	chr16_84032401_840326(	sig	hypo
chr16	8.4E+07	8.4E+07	*	1.535E-44	3.744E-44	-0.16889	chr16_84043201_840434(	sig	hypo
chr16	8.4E+07	8.4E+07	*	2.496E-34	5.092E-34	0.135748	chr16_84062801_840630(	sig	hyper
chr16	8.4E+07	8.4E+07	*	2.211E-36	4.695E-36	-0.13359	chr16_84222401_842226(	sig	hypo
chr16	8.4E+07	8.4E+07	*	1.267E-21	1.965E-21	-0.11352	chr16_84236801_842370(	sig	hypo
chr16	8.4E+07	8.4E+07	*	2.809E-62	9.054E-62	-0.15419	chr16_84237001_842372(	sig	hypo
chr16	8.4E+07	8.4E+07	*	2.293E-76	9.036E-76	0.177371	chr16_84450001_844502(	sig	hyper
chr16	8.4E+07	8.4E+07	*	2.803E-18	3.981E-18	0.109646	chr16_84484601_844848(	sig	hyper
chr16	8.5E+07	8.5E+07	*	1.139E-16	1.548E-16	0.113136	chr16_84505201_845054(	sig	hyper
chr16	8.5E+07	8.5E+07	*	2.563E-52	7.075E-52	-0.20732	chr16_84507401_845076(	sig	hypo
chr16	8.5E+07	8.5E+07	*	2.36E-18	3.361E-18	0.122193	chr16_84526801_845270(	sig	hyper
chr16	8.5E+07	8.5E+07	*	5.474E-21	8.356E-21	-0.13437	chr16_84595201_845954(	sig	hypo
chr16	8.5E+07	8.5E+07	*	8.46E-174	1.25E-172	0.299438	chr16_84795201_847954(	sig	hyper
chr16	8.5E+07	8.5E+07	*	2.581E-34	5.265E-34	-0.13709	chr16_84806601_848068(	sig	hypo
chr16	8.5E+07	8.5E+07	*	1.529E-18	2.189E-18	-0.1149	chr16_84806801_848070(	sig	hypo
chr16	8.5E+07	8.5E+07	*	6.31E-124	4.71E-123	-0.27303	chr16_84819001_848192(	sig	hypo
chr16	8.5E+07	8.5E+07	*	1.322E-65	4.477E-65	-0.21805	chr16_84819201_848194(	sig	hypo
chr16	8.5E+07	8.5E+07	*	8.084E-68	2.821E-67	0.214518	chr16_84827201_848274(	sig	hyper
chr16	8.5E+07	8.5E+07	*	2.16E-146	2.17E-145	0.255065	chr16_84832401_848326(	sig	hyper
chr16	8.5E+07	8.5E+07	*	2.35E-37	5.082E-37	0.132071	chr16_84836401_848366(	sig	hyper
chr16	8.5E+07	8.5E+07	*	3.06E-163	3.87E-162	-0.34606	chr16_84851601_848518(	sig	hypo
chr16	8.5E+07	8.5E+07	*	6.508E-17	8.898E-17	-0.11986	chr16_84930201_849304(	sig	hypo
chr16	8.5E+07	8.5E+07	*	2.621E-26	4.547E-26	-0.15611	chr16_84933801_849340(	sig	hypo
chr16	8.5E+07	8.5E+07	*	8.599E-54	2.436E-53	-0.10308	chr16_84954201_849544(	sig	hypo
chr16	8.5E+07	8.5E+07	*	5.549E-25	9.327E-25	-0.15863	chr16_85087201_850874(	sig	hypo
chr16	8.5E+07	8.5E+07	*	2.632E-84	1.16E-83	-0.19707	chr16_85112401_851126(	sig	hypo
chr16	8.5E+07	8.5E+07	*	2.225E-16	2.999E-16	-0.12324	chr16_85124001_851242(	sig	hypo
chr16	8.5E+07	8.5E+07	*	2.179E-43	5.212E-43	-0.14467	chr16_85147201_851474(	sig	hypo
chr16	8.5E+07	8.5E+07	*	1.791E-42	4.219E-42	0.176629	chr16_85162801_851630(	sig	hyper
chr16	8.5E+07	8.5E+07	*	1.141E-27	2.037E-27	0.182837	chr16_85173601_851738(	sig	hyper
chr16	8.5E+07	8.5E+07	*	2.079E-93	1.036E-92	-0.21128	chr16_85179201_851794(	sig	hypo
chr16	8.5E+07	8.5E+07	*	7.481E-72	2.761E-71	-0.23876	chr16_85181801_851820(	sig	hypo
chr16	8.5E+07	8.5E+07	*	1.198E-66	4.111E-66	0.232307	chr16_85196001_851962(	sig	hyper
chr16	8.5E+07	8.5E+07	*	9.093E-33	1.797E-32	-0.13207	chr16_85208401_852086(	sig	hypo
chr16	8.5E+07	8.5E+07	*	1.883E-54	5.39E-54	-0.17533	chr16_85222601_852228(	sig	hypo
chr16	8.5E+07	8.5E+07	*	2.654E-17	3.667E-17	-0.10289	chr16_85262401_852626(	sig	hypo
chr16	8.5E+07	8.5E+07	*	3.562E-25	6.013E-25	-0.10556	chr16_85265001_852652(	sig	hypo
chr16	8.5E+07	8.5E+07	*	1.863E-47	4.772E-47	-0.15115	chr16_85282401_852826(	sig	hypo
chr16	8.5E+07	8.5E+07	*	3.548E-31	6.791E-31	-0.13352	chr16_85286201_852864(	sig	hypo
chr16	8.5E+07	8.5E+07	*	1.005E-57	3.029E-57	-0.19421	chr16_85302201_853024(	sig	hypo

chr16	8.5E+07	8.5E+07	*	1.621E-12	1.935E-12	-0.11917	chr16_85303001_853032(	sig	hypo
chr16	8.5E+07	8.5E+07	*	9.189E-20	1.359E-19	-0.12365	chr16_85310001_853102(	sig	hypo
chr16	8.5E+07	8.5E+07	*	2.48E-136	2.17E-135	-0.24682	chr16_85329401_853296(	sig	hypo
chr16	8.5E+07	8.5E+07	*	1.657E-53	4.668E-53	-0.1849	chr16_85349001_853492(	sig	hypo
chr16	8.5E+07	8.5E+07	*	3.988E-54	1.137E-53	-0.23956	chr16_85353801_853540(	sig	hypo
chr16	8.5E+07	8.5E+07	*	5.45E-268	2.77E-266	0.337953	chr16_85366001_853662(	sig	hyper
chr16	8.5E+07	8.5E+07	*	3.46E-37	7.46E-37	0.229551	chr16_85394201_853944(	sig	hyper
chr16	8.5E+07	8.5E+07	*	3.172E-86	1.434E-85	-0.20227	chr16_85400001_854002(	sig	hypo
chr16	8.5E+07	8.5E+07	*	2.539E-34	5.18E-34	-0.16865	chr16_85445001_854452(	sig	hypo
chr16	8.5E+07	8.5E+07	*	4.392E-33	8.734E-33	0.14024	chr16_85445601_854458(	sig	hyper
chr16	8.5E+07	8.5E+07	*	5.36E-167	7.14E-166	-0.35057	chr16_85448801_854490(	sig	hypo
chr16	8.5E+07	8.5E+07	*	1.46E-101	8.09E-101	-0.27246	chr16_85449201_854494(	sig	hypo
chr16	8.5E+07	8.5E+07	*	8.9E-26	1.526E-25	-0.17951	chr16_85480201_854804(	sig	hypo
chr16	8.5E+07	8.5E+07	*	5.254E-26	9.053E-26	-0.10922	chr16_85484001_854842(	sig	hypo
chr16	8.5E+07	8.5E+07	*	2.635E-39	5.881E-39	-0.16138	chr16_85485001_854852(	sig	hypo
chr16	8.5E+07	8.5E+07	*	2.45E-48	6.369E-48	-0.15515	chr16_85485201_854854(	sig	hypo
chr16	8.6E+07	8.6E+07	*	5.703E-23	9.15E-23	0.139067	chr16_85521801_855220(	sig	hyper
chr16	8.6E+07	8.6E+07	*	0	1.09E-307	0.265884	chr16_85534601_855348(	sig	hyper
chr16	8.6E+07	8.6E+07	*	3.14E-113	2.05E-112	0.208585	chr16_85534801_855350(	sig	hyper
chr16	8.6E+07	8.6E+07	*	4.2E-24	6.918E-24	-0.10315	chr16_85544201_855444(	sig	hypo
chr16	8.6E+07	8.6E+07	*	8.825E-87	4.02E-86	0.184807	chr16_85574401_855746(	sig	hyper
chr16	8.6E+07	8.6E+07	*	1.347E-53	3.801E-53	0.206911	chr16_85574801_855750(	sig	hyper
chr16	8.6E+07	8.6E+07	*	5.265E-89	2.48E-88	0.294612	chr16_85575201_855754(	sig	hyper
chr16	8.6E+07	8.6E+07	*	7.6E-153	8.4E-152	0.302996	chr16_85586201_855864(	sig	hyper
chr16	8.6E+07	8.6E+07	*	4.581E-41	1.054E-40	0.181114	chr16_85602001_856022(	sig	hyper
chr16	8.6E+07	8.6E+07	*	1.64E-146	1.65E-145	-0.28594	chr16_85614601_856148(	sig	hypo
chr16	8.6E+07	8.6E+07	*	5.8E-103	3.26E-102	-0.2511	chr16_85615201_856154(	sig	hypo
chr16	8.6E+07	8.6E+07	*	1.862E-70	6.743E-70	-0.24629	chr16_85643201_856434(	sig	hypo
chr16	8.6E+07	8.6E+07	*	2.073E-37	4.484E-37	-0.17443	chr16_85644401_856446(	sig	hypo
chr16	8.6E+07	8.6E+07	*	2.122E-60	6.651E-60	-0.1233	chr16_85644601_856448(	sig	hypo
chr16	8.6E+07	8.6E+07	*	9.785E-12	1.135E-11	0.120725	chr16_85650801_856510(	sig	hyper
chr16	8.6E+07	8.6E+07	*	8.147E-14	1.017E-13	0.129903	chr16_85651201_856514(	sig	hyper
chr16	8.6E+07	8.6E+07	*	3.113E-13	3.814E-13	-0.12902	chr16_85689801_856900(	sig	hypo
chr16	8.6E+07	8.6E+07	*	6.72E-155	7.6E-154	-0.28332	chr16_85697601_856978(	sig	hypo
chr16	8.6E+07	8.6E+07	*	1.949E-37	4.222E-37	-0.18973	chr16_85707801_857080(	sig	hypo
chr16	8.6E+07	8.6E+07	*	1.984E-13	2.447E-13	-0.16016	chr16_85735201_857354(	sig	hypo
chr16	8.6E+07	8.6E+07	*	1.11E-62	3.598E-62	0.198888	chr16_85753401_857536(	sig	hyper
chr16	8.6E+07	8.6E+07	*	4.992E-47	1.27E-46	0.105469	chr16_85812001_858122(	sig	hyper
chr16	8.6E+07	8.6E+07	*	2.784E-35	5.784E-35	0.143089	chr16_85812201_858124(	sig	hyper
chr16	8.6E+07	8.6E+07	*	2.258E-38	4.961E-38	-0.14869	chr16_85832601_858328(	sig	hypo
chr16	8.6E+07	8.6E+07	*	1.226E-13	1.522E-13	-0.11062	chr16_85839601_858398(	sig	hypo
chr16	8.6E+07	8.6E+07	*	1.7E-206	3.84E-205	0.351712	chr16_85845201_858454(	sig	hyper
chr16	8.6E+07	8.6E+07	*	3.71E-150	3.99E-149	0.245745	chr16_85845401_858456(	sig	hyper
chr16	8.6E+07	8.6E+07	*	6.8E-187	1.2E-185	-0.30341	chr16_85847801_858480(	sig	hypo
chr16	8.6E+07	8.6E+07	*	9.373E-91	4.517E-90	-0.25729	chr16_85892401_858926(	sig	hypo
chr16	8.6E+07	8.6E+07	*	0	0	-0.49954	chr16_85947601_859478(	sig	hypo
chr16	8.6E+07	8.6E+07	*	1.183E-24	1.975E-24	-0.11752	chr16_85948201_859484(	sig	hypo
chr16	8.6E+07	8.6E+07	*	1.04E-99	5.61E-99	-0.19268	chr16_85982601_859828(	sig	hypo
chr16	8.6E+07	8.6E+07	*	1.169E-60	3.679E-60	-0.15971	chr16_85985201_859854(	sig	hypo
chr16	8.6E+07	8.6E+07	*	1.855E-31	3.568E-31	0.142233	chr16_86078401_860786(	sig	hyper
chr16	8.6E+07	8.6E+07	*	5.75E-11	6.484E-11	0.108786	chr16_86294001_862942(	sig	hyper
chr16	8.6E+07	8.6E+07	*	1.076E-18	1.548E-18	0.114179	chr16_86297801_862980(	sig	hyper
chr16	8.6E+07	8.6E+07	*	6.675E-40	1.506E-39	0.141863	chr16_86298001_862982(	sig	hyper
chr16	8.6E+07	8.6E+07	*	4.545E-41	1.046E-40	0.158728	chr16_86300201_863004(	sig	hyper
chr16	8.6E+07	8.6E+07	*	1.63E-116	1.11E-115	-0.26885	chr16_86337601_863378(	sig	hypo
chr16	8.6E+07	8.6E+07	*	9.672E-49	2.528E-48	-0.1432	chr16_86388201_863884(	sig	hypo

chr16	8.6E+07	8.6E+07	*	4.44E-71	1.624E-70	0.229243	chr16_86432401_864326(	sig	hyper
chr16	8.6E+07	8.6E+07	*	3.16E-145	3.13E-144	0.408563	chr16_86432801_864330(	sig	hyper
chr16	8.6E+07	8.6E+07	*	6.536E-32	1.269E-31	-0.17248	chr16_86444001_864442(	sig	hypo
chr16	8.6E+07	8.6E+07	*	9.97E-140	9.16E-139	0.251967	chr16_86495001_864952(	sig	hyper
chr16	8.6E+07	8.6E+07	*	9.86E-120	6.96E-119	0.319592	chr16_86495201_864954(	sig	hyper
chr16	8.6E+07	8.6E+07	*	2.49E-186	4.34E-185	0.318418	chr16_86496201_864964(	sig	hyper
chr16	8.6E+07	8.6E+07	*	3.67E-85	1.635E-84	0.286071	chr16_86497201_864974(	sig	hyper
chr16	8.7E+07	8.7E+07	*	1.036E-39	2.327E-39	0.112765	chr16_86503401_865036(	sig	hyper
chr16	8.7E+07	8.7E+07	*	1.704E-47	4.371E-47	0.207018	chr16_86504401_865046(	sig	hyper
chr16	8.7E+07	8.7E+07	*	1.2E-177	1.84E-176	0.317908	chr16_86504601_865048(	sig	hyper
chr16	8.7E+07	8.7E+07	*	2.09E-242	7.62E-241	0.317141	chr16_86507801_865080(	sig	hyper
chr16	8.7E+07	8.7E+07	*	3.38E-130	2.74E-129	0.23801	chr16_86508001_865082(	sig	hyper
chr16	8.7E+07	8.7E+07	*	1.154E-67	4.02E-67	0.133441	chr16_86510601_865108(	sig	hyper
chr16	8.7E+07	8.7E+07	*	3.436E-68	1.204E-67	0.209666	chr16_86510801_865110(	sig	hyper
chr16	8.7E+07	8.7E+07	*	3.2E-158	3.78E-157	0.284092	chr16_86511001_865112(	sig	hyper
chr16	8.7E+07	8.7E+07	*	3.18E-114	2.11E-113	0.28531	chr16_86513001_865132(	sig	hyper
chr16	8.7E+07	8.7E+07	*	4.6E-99	2.469E-98	0.302336	chr16_86513201_865134(	sig	hyper
chr16	8.7E+07	8.7E+07	*	3.06E-214	7.74E-213	0.346902	chr16_86513601_865138(	sig	hyper
chr16	8.7E+07	8.7E+07	*	0	0	0.423018	chr16_86513801_865140(	sig	hyper
chr16	8.7E+07	8.7E+07	*	1.215E-55	3.549E-55	0.252183	chr16_86515201_865154(	sig	hyper
chr16	8.7E+07	8.7E+07	*	5.08E-135	4.38E-134	0.274754	chr16_86516001_865162(	sig	hyper
chr16	8.7E+07	8.7E+07	*	5.16E-221	1.42E-219	0.29663	chr16_86516201_865164(	sig	hyper
chr16	8.7E+07	8.7E+07	*	7.19E-193	1.37E-191	0.265279	chr16_86565201_865654(	sig	hyper
chr16	8.7E+07	8.7E+07	*	9.47E-308	7.63E-306	0.237624	chr16_86566601_865668(	sig	hyper
chr16	8.7E+07	8.7E+07	*	7.91E-197	1.6E-195	0.19469	chr16_86567401_865676(	sig	hyper
chr16	8.7E+07	8.7E+07	*	3.55E-133	3E-132	0.162003	chr16_86567601_865678(	sig	hyper
chr16	8.7E+07	8.7E+07	*	6.109E-92	2.985E-91	0.268232	chr16_86568801_865690(	sig	hyper
chr16	8.7E+07	8.7E+07	*	1.006E-18	1.448E-18	0.161787	chr16_86570801_865710(	sig	hyper
chr16	8.7E+07	8.7E+07	*	1.626E-37	3.527E-37	0.157546	chr16_86571201_865714(	sig	hyper
chr16	8.7E+07	8.7E+07	*	3.161E-97	1.664E-96	0.226662	chr16_86575201_865754(	sig	hyper
chr16	8.7E+07	8.7E+07	*	4.469E-97	2.348E-96	0.279917	chr16_86578801_865790(	sig	hyper
chr16	8.7E+07	8.7E+07	*	3.48E-124	2.61E-123	0.308615	chr16_86579001_865792(	sig	hyper
chr16	8.7E+07	8.7E+07	*	3.89E-232	1.23E-230	0.394826	chr16_86580001_865802(	sig	hyper
chr16	8.7E+07	8.7E+07	*	2.215E-18	3.157E-18	-0.12214	chr16_86740801_867410(	sig	hypo
chr16	8.7E+07	8.7E+07	*	1.375E-89	6.52E-89	0.256543	chr16_86931801_869320(	sig	hyper
chr16	8.7E+07	8.7E+07	*	1.496E-47	3.838E-47	0.219989	chr16_86954201_869544(	sig	hyper
chr16	8.7E+07	8.7E+07	*	1.403E-46	3.542E-46	0.304681	chr16_87013401_870136(	sig	hyper
chr16	8.7E+07	8.7E+07	*	8.421E-40	1.896E-39	-0.16134	chr16_87067201_870674(	sig	hypo
chr16	8.7E+07	8.7E+07	*	1.97E-123	1.46E-122	0.32317	chr16_87127201_871274(	sig	hyper
chr16	8.7E+07	8.7E+07	*	2.767E-16	3.718E-16	-0.13526	chr16_87216401_872166(	sig	hypo
chr16	8.7E+07	8.7E+07	*	3.319E-57	9.931E-57	-0.17826	chr16_87278201_872784(	sig	hypo
chr16	8.7E+07	8.7E+07	*	7.588E-71	2.765E-70	0.150154	chr16_87351001_873512(	sig	hyper
chr16	8.7E+07	8.7E+07	*	0	0	-0.4695	chr16_87407801_874080(	sig	hypo
chr16	8.7E+07	8.7E+07	*	0	0	-0.47057	chr16_87408001_874082(	sig	hypo
chr16	8.7E+07	8.7E+07	*	1.228E-34	2.522E-34	-0.13356	chr16_87414201_874144(	sig	hypo
chr16	8.7E+07	8.7E+07	*	1.544E-28	2.802E-28	-0.15722	chr16_87414401_874146(	sig	hypo
chr16	8.7E+07	8.7E+07	*	4.624E-35	9.567E-35	-0.15506	chr16_87457801_874580(	sig	hypo
chr16	8.7E+07	8.7E+07	*	2.06E-86	9.343E-86	-0.22285	chr16_87487601_874878(	sig	hypo
chr16	8.7E+07	8.7E+07	*	5.604E-51	1.514E-50	-0.18362	chr16_87497601_874978(	sig	hypo
chr16	8.8E+07	8.8E+07	*	4.359E-24	7.179E-24	0.145997	chr16_87541401_875416(	sig	hyper
chr16	8.8E+07	8.8E+07	*	1.738E-44	4.234E-44	0.173217	chr16_87582601_875828(	sig	hyper
chr16	8.8E+07	8.8E+07	*	2.276E-67	7.891E-67	0.157282	chr16_87602801_876030(	sig	hyper
chr16	8.8E+07	8.8E+07	*	1.5E-222	4.19E-221	0.203182	chr16_87603001_876032(	sig	hyper
chr16	8.8E+07	8.8E+07	*	7.847E-58	2.369E-57	-0.20441	chr16_87604801_876050(	sig	hypo
chr16	8.8E+07	8.8E+07	*	7.566E-25	1.269E-24	-0.17551	chr16_87616601_876168(	sig	hypo
chr16	8.8E+07	8.8E+07	*	5.257E-19	7.624E-19	-0.14055	chr16_87642601_876428(	sig	hypo

chr16	8.8E+07	8.8E+07	*	1.24E-22	1.97E-22	-0.16526	chr16_87648401_876486(	sig	hypo
chr16	8.8E+07	8.8E+07	*	1.063E-22	1.691E-22	-0.17169	chr16_87687001_876872(	sig	hypo
chr16	8.8E+07	8.8E+07	*	3.159E-21	4.847E-21	-0.13716	chr16_87688601_876888(	sig	hypo
chr16	8.8E+07	8.8E+07	*	1.939E-14	2.469E-14	0.140521	chr16_87723401_877236(	sig	hyper
chr16	8.8E+07	8.8E+07	*	8.906E-43	2.109E-42	0.112384	chr16_87725801_877260(	sig	hyper
chr16	8.8E+07	8.8E+07	*	5.731E-16	7.63E-16	-0.11118	chr16_87765001_877652(	sig	hypo
chr16	8.8E+07	8.8E+07	*	4.088E-16	5.46E-16	-0.11094	chr16_87779001_877792(	sig	hypo
chr16	8.8E+07	8.8E+07	*	1.199E-40	2.74E-40	0.167219	chr16_87822601_878228(	sig	hyper
chr16	8.8E+07	8.8E+07	*	2.271E-17	3.145E-17	0.104905	chr16_87853201_878534(	sig	hyper
chr16	8.8E+07	8.8E+07	*	4.82E-100	2.62E-99	0.220045	chr16_87860801_878610(	sig	hyper
chr16	8.8E+07	8.8E+07	*	1.56E-26	2.721E-26	-0.12247	chr16_87870801_878710(	sig	hypo
chr16	8.8E+07	8.8E+07	*	1.241E-60	3.903E-60	-0.16672	chr16_88073401_880736(	sig	hypo
chr16	8.8E+07	8.8E+07	*	6.82E-101	3.75E-100	-0.2257	chr16_88088001_880882(	sig	hypo
chr16	8.8E+07	8.8E+07	*	1.794E-17	2.491E-17	-0.11901	chr16_88090601_880908(	sig	hypo
chr16	8.8E+07	8.8E+07	*	3.968E-27	7.006E-27	-0.13954	chr16_88093001_880932(	sig	hypo
chr16	8.8E+07	8.8E+07	*	3.497E-51	9.479E-51	0.274164	chr16_88100601_881008(	sig	hyper
chr16	8.8E+07	8.8E+07	*	9.12E-102	5.06E-101	0.273369	chr16_88101201_881014(	sig	hyper
chr16	8.8E+07	8.8E+07	*	1.411E-90	6.778E-90	0.175664	chr16_88101801_881020(	sig	hyper
chr16	8.8E+07	8.8E+07	*	2.996E-35	6.223E-35	0.199937	chr16_88102001_881022(	sig	hyper
chr16	8.8E+07	8.8E+07	*	1.995E-08	2.012E-08	-0.10357	chr16_88102801_881030(	sig	hypo
chr16	8.8E+07	8.8E+07	*	1.625E-31	3.128E-31	-0.14773	chr16_88103801_881040(	sig	hypo
chr16	8.8E+07	8.8E+07	*	1.015E-11	1.177E-11	-0.11577	chr16_88104001_881042(	sig	hypo
chr16	8.8E+07	8.8E+07	*	2.343E-47	5.992E-47	0.223567	chr16_88110201_881104(	sig	hyper
chr16	8.8E+07	8.8E+07	*	5.295E-17	7.256E-17	0.10877	chr16_88110601_881108(	sig	hyper
chr16	8.8E+07	8.8E+07	*	7.851E-33	1.554E-32	-0.16638	chr16_88118401_881186(	sig	hypo
chr16	8.8E+07	8.8E+07	*	1.471E-29	2.725E-29	-0.12363	chr16_88119201_881194(	sig	hypo
chr16	8.8E+07	8.8E+07	*	5.373E-07	5.036E-07	-0.10069	chr16_88129201_881294(	sig	hypo
chr16	8.8E+07	8.8E+07	*	6.209E-33	1.232E-32	-0.11056	chr16_88130201_881304(	sig	hypo
chr16	8.8E+07	8.8E+07	*	1.354E-23	2.204E-23	-0.13187	chr16_88130801_881310(	sig	hypo
chr16	8.8E+07	8.8E+07	*	1.796E-20	2.704E-20	-0.1049	chr16_88132001_881322(	sig	hypo
chr16	8.8E+07	8.8E+07	*	1.234E-66	4.233E-66	-0.15167	chr16_88133201_881334(	sig	hypo
chr16	8.8E+07	8.8E+07	*	3.04E-139	2.77E-138	-0.22554	chr16_88151201_881514(	sig	hypo
chr16	8.8E+07	8.8E+07	*	2.579E-23	4.169E-23	-0.13189	chr16_88151401_881516(	sig	hypo
chr16	8.8E+07	8.8E+07	*	3.955E-43	9.421E-43	0.112365	chr16_88152401_881526(	sig	hyper
chr16	8.8E+07	8.8E+07	*	1.557E-36	3.314E-36	-0.11685	chr16_88176801_881770(	sig	hypo
chr16	8.8E+07	8.8E+07	*	3.652E-26	6.317E-26	-0.15834	chr16_88184601_881848(	sig	hypo
chr16	8.8E+07	8.8E+07	*	7.234E-54	2.051E-53	0.274637	chr16_88186401_881866(	sig	hyper
chr16	8.8E+07	8.8E+07	*	2.094E-76	8.253E-76	0.253723	chr16_88186601_881868(	sig	hyper
chr16	8.8E+07	8.8E+07	*	7.081E-23	1.133E-22	-0.19027	chr16_88203001_882032(	sig	hypo
chr16	8.8E+07	8.8E+07	*	9.448E-22	1.47E-21	-0.10665	chr16_88204001_882042(	sig	hypo
chr16	8.8E+07	8.8E+07	*	1.759E-55	5.119E-55	-0.16921	chr16_88205201_882054(	sig	hypo
chr16	8.8E+07	8.8E+07	*	3.972E-10	4.324E-10	-0.11223	chr16_88221401_882216(	sig	hypo
chr16	8.8E+07	8.8E+07	*	1.764E-33	3.534E-33	-0.1155	chr16_88227801_882280(	sig	hypo
chr16	8.8E+07	8.8E+07	*	3.596E-24	5.93E-24	-0.12083	chr16_88259201_882594(	sig	hypo
chr16	8.8E+07	8.8E+07	*	1.086E-60	3.418E-60	-0.20659	chr16_88297201_882974(	sig	hypo
chr16	8.8E+07	8.8E+07	*	9.233E-91	4.452E-90	-0.22252	chr16_88316001_883162(	sig	hypo
chr16	8.8E+07	8.8E+07	*	5.93E-114	3.91E-113	-0.26441	chr16_88316201_883164(	sig	hypo
chr16	8.8E+07	8.8E+07	*	2.092E-15	2.745E-15	-0.102	chr16_88322601_883228(	sig	hypo
chr16	8.8E+07	8.8E+07	*	1.947E-33	3.901E-33	-0.11096	chr16_88354401_883546(	sig	hypo
chr16	8.8E+07	8.8E+07	*	4.459E-70	1.607E-69	-0.21558	chr16_88375601_883758(	sig	hypo
chr16	8.8E+07	8.8E+07	*	1.643E-18	2.35E-18	-0.1145	chr16_88378401_883786(	sig	hypo
chr16	8.8E+07	8.8E+07	*	1.15E-130	9.38E-130	-0.21403	chr16_88393001_883932(	sig	hypo
chr16	8.8E+07	8.8E+07	*	2.007E-45	4.958E-45	-0.14341	chr16_88393201_883934(	sig	hypo
chr16	8.8E+07	8.8E+07	*	4.735E-23	7.613E-23	-0.12088	chr16_88394401_883946(	sig	hypo
chr16	8.8E+07	8.8E+07	*	2.195E-23	3.554E-23	-0.10043	chr16_88404201_884044(	sig	hypo
chr16	8.8E+07	8.8E+07	*	5.134E-95	2.623E-94	-0.32893	chr16_88409601_884098(	sig	hypo

chr16	8.8E+07	8.8E+07	*	8.32E-117	5.68E-116	-0.22519	chr16_88410201_884104(	sig	hypo
chr16	8.8E+07	8.8E+07	*	1.282E-46	3.238E-46	-0.18293	chr16_88412801_884130(	sig	hypo
chr16	8.8E+07	8.8E+07	*	1.384E-68	4.876E-68	-0.18393	chr16_88413001_884132(	sig	hypo
chr16	8.8E+07	8.8E+07	*	1.933E-27	3.437E-27	-0.12971	chr16_88414201_884144(	sig	hypo
chr16	8.8E+07	8.8E+07	*	6.308E-22	9.859E-22	-0.10513	chr16_88414401_884146(	sig	hypo
chr16	8.8E+07	8.8E+07	*	2.553E-38	5.603E-38	-0.17615	chr16_88415801_884160(	sig	hypo
chr16	8.8E+07	8.8E+07	*	1.748E-53	4.922E-53	-0.184	chr16_88416201_884164(	sig	hypo
chr16	8.8E+07	8.8E+07	*	5.965E-20	8.869E-20	-0.13422	chr16_88416401_884166(	sig	hypo
chr16	8.8E+07	8.8E+07	*	5.034E-33	1E-32	0.196578	chr16_88430801_884310(	sig	hyper
chr16	8.8E+07	8.8E+07	*	2.233E-32	4.376E-32	-0.17588	chr16_88432001_884322(	sig	hypo
chr16	8.8E+07	8.8E+07	*	1.658E-14	2.115E-14	-0.12247	chr16_88437801_884380(	sig	hypo
chr16	8.8E+07	8.8E+07	*	1.909E-24	3.169E-24	-0.1414	chr16_88446001_884462(	sig	hypo
chr16	8.8E+07	8.8E+07	*	7.337E-15	9.469E-15	-0.10135	chr16_88446201_884464(	sig	hypo
chr16	8.8E+07	8.8E+07	*	5.079E-23	8.159E-23	-0.12196	chr16_88470801_884710(	sig	hypo
chr16	8.8E+07	8.8E+07	*	9.041E-23	1.442E-22	0.14032	chr16_88483801_884840(	sig	hyper
chr16	8.8E+07	8.8E+07	*	7.921E-37	1.695E-36	0.170908	chr16_88497601_884978(	sig	hyper
chr16	8.8E+07	8.8E+07	*	3.693E-68	1.294E-67	0.177126	chr16_88497801_884980(	sig	hyper
chr16	8.9E+07	8.9E+07	*	6.91E-13	8.363E-13	-0.10256	chr16_88509001_885092(	sig	hypo
chr16	8.9E+07	8.9E+07	*	7.22E-32	1.401E-31	-0.1488	chr16_88617401_886176(	sig	hypo
chr16	8.9E+07	8.9E+07	*	7.031E-34	1.421E-33	0.181633	chr16_88678401_886786(	sig	hyper
chr16	8.9E+07	8.9E+07	*	2.031E-42	4.781E-42	0.149764	chr16_88685401_886856(	sig	hyper
chr16	8.9E+07	8.9E+07	*	8.862E-29	1.617E-28	-0.16984	chr16_88700801_887010(	sig	hypo
chr16	8.9E+07	8.9E+07	*	1.086E-19	1.603E-19	-0.11971	chr16_88701201_887014(	sig	hypo
chr16	8.9E+07	8.9E+07	*	1.398E-40	3.191E-40	0.157828	chr16_88755401_887556(	sig	hyper
chr16	8.9E+07	8.9E+07	*	1.706E-24	2.836E-24	-0.11521	chr16_88766001_887662(	sig	hypo
chr16	8.9E+07	8.9E+07	*	4.303E-70	1.551E-69	0.119961	chr16_88778601_887788(	sig	hyper
chr16	8.9E+07	8.9E+07	*	6.361E-27	1.119E-26	0.151479	chr16_88802401_888026(	sig	hyper
chr16	8.9E+07	8.9E+07	*	2.199E-23	3.562E-23	-0.10863	chr16_88816601_888168(	sig	hypo
chr16	8.9E+07	8.9E+07	*	3.316E-56	9.768E-56	-0.18299	chr16_88816801_888170(	sig	hypo
chr16	8.9E+07	8.9E+07	*	4.57E-137	4.04E-136	-0.22012	chr16_88842001_888422(	sig	hypo
chr16	8.9E+07	8.9E+07	*	1.857E-23	3.011E-23	-0.1308	chr16_88869401_888696(	sig	hypo
chr16	8.9E+07	8.9E+07	*	1.897E-58	5.768E-58	-0.20659	chr16_88874601_888748(	sig	hypo
chr16	8.9E+07	8.9E+07	*	7.477E-34	1.51E-33	-0.15434	chr16_88874801_888750(	sig	hypo
chr16	8.9E+07	8.9E+07	*	1.204E-19	1.776E-19	-0.10075	chr16_88877001_888772(	sig	hypo
chr16	8.9E+07	8.9E+07	*	4.165E-37	8.962E-37	-0.13371	chr16_88892001_888922(	sig	hypo
chr16	8.9E+07	8.9E+07	*	7.951E-60	2.469E-59	-0.23133	chr16_88898201_888984(	sig	hypo
chr16	8.9E+07	8.9E+07	*	1.399E-22	2.221E-22	-0.17759	chr16_88898401_888986(	sig	hypo
chr16	8.9E+07	8.9E+07	*	1.92E-38	4.225E-38	-0.16099	chr16_88898601_888988(	sig	hypo
chr16	8.9E+07	8.9E+07	*	3.329E-21	5.106E-21	-0.10523	chr16_88902201_889024(	sig	hypo
chr16	8.9E+07	8.9E+07	*	4.281E-40	9.695E-40	-0.19381	chr16_88908401_889086(	sig	hypo
chr16	8.9E+07	8.9E+07	*	2.519E-27	4.47E-27	0.124656	chr16_88917601_889178(	sig	hyper
chr16	8.9E+07	8.9E+07	*	2.167E-20	3.259E-20	-0.11174	chr16_88921601_889218(	sig	hypo
chr16	8.9E+07	8.9E+07	*	3.336E-64	1.109E-63	-0.12558	chr16_88922601_889228(	sig	hypo
chr16	8.9E+07	8.9E+07	*	1.835E-15	2.413E-15	-0.12053	chr16_88922801_889230(	sig	hypo
chr16	8.9E+07	8.9E+07	*	8.327E-62	2.669E-61	-0.22923	chr16_88927201_889274(	sig	hypo
chr16	8.9E+07	8.9E+07	*	3.908E-36	8.242E-36	0.117559	chr16_88936801_889370(	sig	hyper
chr16	8.9E+07	8.9E+07	*	4.158E-33	8.276E-33	-0.13925	chr16_88939401_889396(	sig	hypo
chr16	8.9E+07	8.9E+07	*	3.508E-28	6.32E-28	0.111331	chr16_88953001_889532(	sig	hyper
chr16	8.9E+07	8.9E+07	*	1.338E-63	4.407E-63	-0.1409	chr16_88957001_889572(	sig	hypo
chr16	8.9E+07	8.9E+07	*	1.69E-156	1.95E-155	-0.27372	chr16_88958001_889582(	sig	hypo
chr16	8.9E+07	8.9E+07	*	7.062E-92	3.448E-91	-0.25102	chr16_88967201_889674(	sig	hypo
chr16	8.9E+07	8.9E+07	*	3.326E-44	8.066E-44	-0.23009	chr16_88967401_889676(	sig	hypo
chr16	8.9E+07	8.9E+07	*	2.12E-129	1.7E-128	-0.32456	chr16_88971801_889720(	sig	hypo
chr16	8.9E+07	8.9E+07	*	7.97E-130	6.42E-129	-0.28113	chr16_88975601_889758(	sig	hypo
chr16	8.9E+07	8.9E+07	*	7.567E-74	2.874E-73	-0.20332	chr16_88978001_889782(	sig	hypo
chr16	8.9E+07	8.9E+07	*	6.27E-111	3.97E-110	-0.25745	chr16_88978201_889784(	sig	hypo

chr16	8.9E+07	8.9E+07	*	1.128E-32	2.226E-32	-0.12546	chr16_88982001_889822(	sig	hypo
chr16	8.9E+07	8.9E+07	*	1.392E-15	1.835E-15	-0.11808	chr16_88982201_889824(	sig	hypo
chr16	8.9E+07	8.9E+07	*	1.131E-24	1.889E-24	-0.14292	chr16_88984201_889844(	sig	hypo
chr16	8.9E+07	8.9E+07	*	2.91E-110	1.82E-109	0.245799	chr16_89048201_890484(	sig	hyper
chr16	8.9E+07	8.9E+07	*	1.27E-117	8.77E-117	-0.36551	chr16_89052601_890528(	sig	hypo
chr16	8.9E+07	8.9E+07	*	7.425E-58	2.242E-57	-0.15285	chr16_89053201_890534(	sig	hypo
chr16	8.9E+07	8.9E+07	*	8.832E-59	2.701E-58	-0.17722	chr16_89056001_890562(	sig	hypo
chr16	8.9E+07	8.9E+07	*	5.363E-44	1.296E-43	-0.13984	chr16_89064401_890646(	sig	hypo
chr16	8.9E+07	8.9E+07	*	2.937E-48	7.622E-48	0.120209	chr16_89072801_890730(	sig	hyper
chr16	8.9E+07	8.9E+07	*	2.245E-33	4.493E-33	-0.1256	chr16_89090201_890904(	sig	hypo
chr16	8.9E+07	8.9E+07	*	3.431E-40	7.786E-40	-0.16299	chr16_89098801_890990(	sig	hypo
chr16	8.9E+07	8.9E+07	*	5.325E-35	1.101E-34	-0.13105	chr16_89102001_891022(	sig	hypo
chr16	8.9E+07	8.9E+07	*	3.577E-36	7.554E-36	-0.1405	chr16_89102801_891030(	sig	hypo
chr16	8.9E+07	8.9E+07	*	2.37E-112	1.53E-111	-0.32158	chr16_89103201_891034(	sig	hypo
chr16	8.9E+07	8.9E+07	*	8.625E-31	1.638E-30	-0.16227	chr16_89103401_891036(	sig	hypo
chr16	8.9E+07	8.9E+07	*	2.094E-28	3.789E-28	-0.1134	chr16_89114401_891146(	sig	hypo
chr16	8.9E+07	8.9E+07	*	7.717E-87	3.52E-86	-0.23331	chr16_89154001_891542(	sig	hypo
chr16	8.9E+07	8.9E+07	*	1.059E-69	3.797E-69	-0.26565	chr16_89154201_891544(	sig	hypo
chr16	8.9E+07	8.9E+07	*	1.245E-23	2.028E-23	0.115245	chr16_89159201_891594(	sig	hyper
chr16	8.9E+07	8.9E+07	*	7.848E-28	1.406E-27	-0.11309	chr16_89161401_891616(	sig	hypo
chr16	8.9E+07	8.9E+07	*	1.19E-86	5.413E-86	-0.16515	chr16_89179201_891794(	sig	hypo
chr16	8.9E+07	8.9E+07	*	3.846E-26	6.648E-26	-0.12148	chr16_89188201_891884(	sig	hypo
chr16	8.9E+07	8.9E+07	*	7.852E-10	8.438E-10	-0.10691	chr16_89189201_891894(	sig	hypo
chr16	8.9E+07	8.9E+07	*	1.311E-76	5.188E-76	0.204887	chr16_89201601_892018(	sig	hyper
chr16	8.9E+07	8.9E+07	*	3.02E-177	4.6E-176	0.263646	chr16_89202201_892024(	sig	hyper
chr16	8.9E+07	8.9E+07	*	2.03E-215	5.23E-214	0.240901	chr16_89202401_892026(	sig	hyper
chr16	8.9E+07	8.9E+07	*	1.1E-205	2.46E-204	0.295256	chr16_89248001_892482(	sig	hyper
chr16	8.9E+07	8.9E+07	*	1.09E-68	3.848E-68	0.138321	chr16_89291001_892912(	sig	hyper
chr16	8.9E+07	8.9E+07	*	4.716E-35	9.756E-35	-0.19441	chr16_89315801_893160(	sig	hypo
chr16	8.9E+07	8.9E+07	*	3.11E-168	4.22E-167	-0.25099	chr16_89343801_893440(	sig	hypo
chr16	8.9E+07	8.9E+07	*	1.148E-21	1.782E-21	0.126759	chr16_89373401_893736(	sig	hyper
chr16	8.9E+07	8.9E+07	*	1.34E-59	4.146E-59	-0.16309	chr16_89383601_893838(	sig	hypo
chr16	9E+07	9E+07	*	6.247E-55	1.801E-54	-0.21507	chr16_89562201_895624(	sig	hypo
chr16	9E+07	9E+07	*	1.142E-81	4.846E-81	-0.19143	chr16_89608001_896082(	sig	hypo
chr16	9E+07	9E+07	*	2.38E-34	4.862E-34	-0.19764	chr16_89608201_896084(	sig	hypo
chr16	9E+07	9E+07	*	6.582E-49	1.727E-48	0.192013	chr16_89620401_896206(	sig	hyper
chr16	9E+07	9E+07	*	1.51E-65	5.11E-65	-0.23682	chr16_89668601_896688(	sig	hypo
chr16	9E+07	9E+07	*	1.265E-19	1.864E-19	0.11984	chr16_89699801_897000(	sig	hyper
chr16	9E+07	9E+07	*	4.38E-15	5.695E-15	0.11342	chr16_89752601_897528(	sig	hyper
chr16	9E+07	9E+07	*	3.12E-291	2.07E-289	-0.26654	chr16_89817601_898178(	sig	hypo
chr16	9E+07	9E+07	*	1.95E-109	1.21E-108	-0.19103	chr16_89834001_898342(	sig	hypo
chr16	9E+07	9E+07	*	7.96E-115	5.32E-114	-0.21054	chr16_89834201_898344(	sig	hypo
chr16	9E+07	9E+07	*	7.85E-103	4.41E-102	-0.16118	chr16_89837601_898378(	sig	hypo
chr16	9E+07	9E+07	*	1.344E-71	4.948E-71	-0.12062	chr16_89837801_898380(	sig	hypo
chr16	9E+07	9E+07	*	1.471E-77	5.899E-77	-0.19546	chr16_89847201_898474(	sig	hypo
chr16	9E+07	9E+07	*	2.923E-55	8.477E-55	-0.19905	chr16_89847401_898476(	sig	hypo
chr16	9E+07	9E+07	*	6.097E-20	9.061E-20	0.105358	chr16_89874401_898746(	sig	hyper
chr16	9E+07	9E+07	*	2.078E-24	3.445E-24	0.132493	chr16_89879801_898800(	sig	hyper
chr16	9E+07	9E+07	*	1.338E-60	4.205E-60	-0.15197	chr16_89916001_899162(	sig	hypo
chr16	9E+07	9E+07	*	2.485E-36	5.27E-36	-0.16681	chr16_89916201_899164(	sig	hypo
chr16	9E+07	9E+07	*	5.609E-15	7.265E-15	0.107086	chr16_89936201_899364(	sig	hyper
chr16	9E+07	9E+07	*	2.301E-51	6.258E-51	0.141174	chr16_89949401_899496(	sig	hyper
chr16	9E+07	9E+07	*	6.88E-216	1.78E-214	0.313878	chr16_89949601_899498(	sig	hyper
chr16	9E+07	9E+07	*	8.25E-175	1.23E-173	0.267826	chr16_89972001_899722(	sig	hyper
chr16	9E+07	9E+07	*	2.134E-16	2.877E-16	-0.11925	chr16_90026201_900264(	sig	hypo
chr17	207201	207400	*	8.19E-62	2.626E-61	-0.10483	chr17_207201_207400	sig	hypo

chr17	259601	259800	*	4.82E-110	3.01E-109	0.160102	chr17_259601_259800	sig	hyper
chr17	299601	299800	*	2.37E-104	1.36E-103	0.193119	chr17_299601_299800	sig	hyper
chr17	302201	302400	*	4.233E-47	1.078E-46	-0.16444	chr17_302201_302400	sig	hypo
chr17	302401	302600	*	1.228E-20	1.858E-20	-0.12628	chr17_302401_302600	sig	hypo
chr17	304601	304800	*	9.709E-81	4.065E-80	0.209299	chr17_304601_304800	sig	hyper
chr17	334201	334400	*	2.769E-64	9.209E-64	0.177741	chr17_334201_334400	sig	hyper
chr17	413201	413400	*	4.414E-21	6.75E-21	-0.11151	chr17_413201_413400	sig	hypo
chr17	414201	414400	*	1.353E-28	2.458E-28	-0.13911	chr17_414201_414400	sig	hypo
chr17	443601	443800	*	1.368E-09	1.454E-09	-0.10169	chr17_443601_443800	sig	hypo
chr17	505001	505200	*	7.54E-30	1.406E-29	-0.138	chr17_505001_505200	sig	hypo
chr17	790001	790200	*	9.771E-29	1.781E-28	0.107538	chr17_790001_790200	sig	hyper
chr17	795201	795400	*	6.176E-24	1.013E-23	0.127745	chr17_795201_795400	sig	hyper
chr17	803801	804000	*	4.022E-44	9.741E-44	-0.18094	chr17_803801_804000	sig	hypo
chr17	835601	835800	*	7.01E-15	9.054E-15	0.152551	chr17_835601_835800	sig	hyper
chr17	843201	843400	*	3.797E-44	9.2E-44	0.120191	chr17_843201_843400	sig	hyper
chr17	843801	844000	*	1.769E-23	2.871E-23	-0.12378	chr17_843801_844000	sig	hypo
chr17	844001	844200	*	3.799E-23	6.121E-23	-0.1297	chr17_844001_844200	sig	hypo
chr17	848001	848200	*	1.034E-16	1.406E-16	-0.12093	chr17_848001_848200	sig	hypo
chr17	851001	851200	*	5.089E-88	2.362E-87	0.253297	chr17_851001_851200	sig	hyper
chr17	869801	870000	*	5.899E-39	1.309E-38	0.174353	chr17_869801_870000	sig	hyper
chr17	887801	888000	*	5.919E-87	2.702E-86	0.252271	chr17_887801_888000	sig	hyper
chr17	897001	897200	*	5.31E-163	6.71E-162	0.27498	chr17_897001_897200	sig	hyper
chr17	897401	897600	*	1.725E-26	3.006E-26	-0.15049	chr17_897401_897600	sig	hypo
chr17	937601	937800	*	2.528E-33	5.054E-33	-0.1367	chr17_937601_937800	sig	hypo
chr17	937801	938000	*	4.198E-21	6.424E-21	-0.10238	chr17_937801_938000	sig	hypo
chr17	948601	948800	*	4.303E-40	9.743E-40	0.153669	chr17_948601_948800	sig	hyper
chr17	950601	950800	*	3.539E-40	8.028E-40	0.179097	chr17_950601_950800	sig	hyper
chr17	969401	969600	*	2.77E-14	3.507E-14	0.100555	chr17_969401_969600	sig	hyper
chr17	1005401	1005600	*	2.977E-62	9.591E-62	0.206797	chr17_1005401_1005600	sig	hyper
chr17	1025601	1025800	*	6.874E-18	9.665E-18	0.105652	chr17_1025601_1025800	sig	hyper
chr17	1051201	1051400	*	9.363E-17	1.275E-16	0.111405	chr17_1051201_1051400	sig	hyper
chr17	1095001	1095200	*	1.302E-13	1.615E-13	-0.1001	chr17_1095001_1095200	sig	hypo
chr17	1137601	1137800	*	6.44E-167	8.59E-166	-0.29483	chr17_1137601_1137800	sig	hypo
chr17	1180601	1180800	*	1.524E-19	2.242E-19	0.138453	chr17_1180601_1180800	sig	hyper
chr17	1186801	1187000	*	8.38E-142	7.92E-141	0.302191	chr17_1186801_1187000	sig	hyper
chr17	1187001	1187200	*	4.73E-297	3.37E-295	0.345053	chr17_1187001_1187200	sig	hyper
chr17	1193201	1193400	*	8.451E-52	2.316E-51	0.157526	chr17_1193201_1193400	sig	hyper
chr17	1203801	1204000	*	3.22E-119	2.26E-118	0.274902	chr17_1203801_1204000	sig	hyper
chr17	1217201	1217400	*	1.157E-32	2.282E-32	0.1028	chr17_1217201_1217400	sig	hyper
chr17	1230401	1230600	*	6.362E-23	1.019E-22	-0.13838	chr17_1230401_1230600	sig	hypo
chr17	1231601	1231800	*	1.185E-76	4.69E-76	-0.23947	chr17_1231601_1231800	sig	hypo
chr17	1271401	1271600	*	1.098E-37	2.388E-37	0.18617	chr17_1271401_1271600	sig	hyper
chr17	1405201	1405400	*	9.682E-19	1.395E-18	0.110001	chr17_1405201_1405400	sig	hyper
chr17	1472001	1472200	*	5.158E-51	1.395E-50	0.131162	chr17_1472001_1472200	sig	hyper
chr17	1569601	1569800	*	3.215E-36	6.8E-36	-0.14762	chr17_1569601_1569800	sig	hypo
chr17	1618001	1618200	*	5.57E-172	7.96E-171	-0.22721	chr17_1618001_1618200	sig	hypo
chr17	1645601	1645800	*	9.944E-26	1.703E-25	-0.15386	chr17_1645601_1645800	sig	hypo
chr17	1725401	1725600	*	2.404E-12	2.852E-12	-0.11373	chr17_1725401_1725600	sig	hypo
chr17	1730401	1730600	*	1.161E-53	3.282E-53	0.183076	chr17_1730401_1730600	sig	hyper
chr17	1752801	1753000	*	2.338E-51	6.355E-51	-0.22587	chr17_1752801_1753000	sig	hypo
chr17	1898601	1898800	*	1.563E-77	6.267E-77	0.210715	chr17_1898601_1898800	sig	hyper
chr17	1907801	1908000	*	4.434E-27	7.823E-27	0.130036	chr17_1907801_1908000	sig	hyper
chr17	1908001	1908200	*	3.712E-47	9.465E-47	0.14798	chr17_1908001_1908200	sig	hyper
chr17	1977601	1977800	*	1.03E-100	5.65E-100	0.23791	chr17_1977601_1977800	sig	hyper
chr17	1977801	1978000	*	4.346E-63	1.418E-62	0.209397	chr17_1977801_1978000	sig	hyper
chr17	2022801	2023000	*	5.577E-10	6.033E-10	-0.11986	chr17_2022801_2023000	sig	hypo

chr17	2056201	2056400	*	2.469E-29	4.553E-29	0.17278	chr17_2056201_2056400	sig	hyper
chr17	2057801	2058000	*	5.411E-50	1.443E-49	0.227632	chr17_2057801_2058000	sig	hyper
chr17	2058201	2058400	*	2.587E-42	6.081E-42	0.188559	chr17_2058201_2058400	sig	hyper
chr17	2061401	2061600	*	7.438E-20	1.102E-19	0.170682	chr17_2061401_2061600	sig	hyper
chr17	2071801	2072000	*	1.43E-139	1.31E-138	0.296451	chr17_2071801_2072000	sig	hyper
chr17	2421401	2421600	*	4.522E-72	1.675E-71	0.129575	chr17_2421401_2421600	sig	hyper
chr17	2421801	2422000	*	1.19E-149	1.27E-148	0.244941	chr17_2421801_2422000	sig	hyper
chr17	2796001	2796200	*	2.28E-150	2.46E-149	-0.22753	chr17_2796001_2796200	sig	hypo
chr17	2924201	2924400	*	3.317E-45	8.166E-45	0.176737	chr17_2924201_2924400	sig	hyper
chr17	2935601	2935800	*	9.05E-41	2.072E-40	-0.13574	chr17_2935601_2935800	sig	hypo
chr17	2935801	2936000	*	2.555E-35	5.313E-35	-0.1453	chr17_2935801_2936000	sig	hypo
chr17	3386001	3386200	*	7.79E-22	1.215E-21	0.135833	chr17_3386001_3386200	sig	hyper
chr17	3386201	3386400	*	2.242E-11	2.564E-11	0.108588	chr17_3386201_3386400	sig	hyper
chr17	3901601	3901800	*	1.882E-35	3.924E-35	-0.11304	chr17_3901601_3901800	sig	hypo
chr17	3901801	3902000	*	3.185E-32	6.224E-32	-0.11435	chr17_3901801_3902000	sig	hypo
chr17	3916001	3916200	*	2.648E-25	4.482E-25	-0.11858	chr17_3916001_3916200	sig	hypo
chr17	3924601	3924800	*	1.39E-104	8.04E-104	0.199966	chr17_3924601_3924800	sig	hyper
chr17	3960601	3960800	*	1.321E-15	1.743E-15	-0.11881	chr17_3960601_3960800	sig	hypo
chr17	3981601	3981800	*	6.121E-82	2.611E-81	0.122174	chr17_3981601_3981800	sig	hyper
chr17	4433801	4434000	*	3.097E-87	1.419E-86	-0.25848	chr17_4433801_4434000	sig	hypo
chr17	4560601	4560800	*	4.034E-43	9.609E-43	-0.18593	chr17_4560601_4560800	sig	hypo
chr17	4595201	4595400	*	2.808E-30	5.277E-30	-0.11491	chr17_4595201_4595400	sig	hypo
chr17	4641601	4641800	*	3.184E-63	1.041E-62	0.10368	chr17_4641601_4641800	sig	hyper
chr17	4656601	4656800	*	1.469E-55	4.282E-55	0.20668	chr17_4656601_4656800	sig	hyper
chr17	4709201	4709400	*	4.127E-50	1.103E-49	-0.17029	chr17_4709201_4709400	sig	hypo
chr17	4745201	4745400	*	9.93E-113	6.45E-112	0.314771	chr17_4745201_4745400	sig	hyper
chr17	4785201	4785400	*	9.807E-78	3.942E-77	0.218023	chr17_4785201_4785400	sig	hyper
chr17	4785801	4786000	*	6.06E-150	6.46E-149	0.291174	chr17_4785801_4786000	sig	hyper
chr17	4786401	4786600	*	3.397E-60	1.061E-59	0.188663	chr17_4786401_4786600	sig	hyper
chr17	4899401	4899600	*	1.856E-92	9.11E-92	0.140638	chr17_4899401_4899600	sig	hyper
chr17	4899601	4899800	*	1.298E-44	3.17E-44	0.125322	chr17_4899601_4899800	sig	hyper
chr17	4900201	4900400	*	2.945E-55	8.537E-55	0.28286	chr17_4900201_4900400	sig	hyper
chr17	4900801	4901000	*	1.178E-72	4.39E-72	0.299946	chr17_4900801_4901000	sig	hyper
chr17	4901001	4901200	*	4.03E-151	4.39E-150	0.267786	chr17_4901001_4901200	sig	hyper
chr17	4901401	4901600	*	5.888E-78	2.376E-77	0.172249	chr17_4901401_4901600	sig	hyper
chr17	4969001	4969200	*	8.263E-47	2.094E-46	0.230016	chr17_4969001_4969200	sig	hyper
chr17	4969201	4969400	*	1.06E-123	7.85E-123	0.237517	chr17_4969201_4969400	sig	hyper
chr17	4988201	4988400	*	2.753E-27	4.878E-27	0.148462	chr17_4988201_4988400	sig	hyper
chr17	5097401	5097600	*	2.27E-126	1.75E-125	0.307953	chr17_5097401_5097600	sig	hyper
chr17	5097601	5097800	*	1.39E-125	1.06E-124	0.313751	chr17_5097601_5097800	sig	hyper
chr17	5116401	5116600	*	3.93E-125	2.98E-124	0.261035	chr17_5116401_5116600	sig	hyper
chr17	5499601	5499800	*	2.965E-61	9.398E-61	0.190179	chr17_5499601_5499800	sig	hyper
chr17	5499801	5500000	*	7.85E-154	8.76E-153	0.329429	chr17_5499801_5500000	sig	hyper
chr17	5500001	5500200	*	9.321E-49	2.438E-48	0.271575	chr17_5500001_5500200	sig	hyper
chr17	6552001	6552200	*	5.249E-33	1.042E-32	-0.21228	chr17_6552001_6552200	sig	hypo
chr17	6655401	6655600	*	1.268E-69	4.534E-69	0.242433	chr17_6655401_6655600	sig	hyper
chr17	6655601	6655800	*	5.621E-37	1.206E-36	0.179047	chr17_6655601_6655800	sig	hyper
chr17	6714201	6714400	*	3.68E-132	3.06E-131	0.298733	chr17_6714201_6714400	sig	hyper
chr17	6893601	6893800	*	7.903E-53	2.202E-52	0.173959	chr17_6893601_6893800	sig	hyper
chr17	6894201	6894400	*	7.76E-101	4.26E-100	0.245308	chr17_6894201_6894400	sig	hyper
chr17	6894401	6894600	*	3.093E-48	8.02E-48	0.190527	chr17_6894401_6894600	sig	hyper
chr17	6995801	6996000	*	4.1E-159	4.89E-158	0.223254	chr17_6995801_6996000	sig	hyper
chr17	6996401	6996600	*	1.625E-41	3.769E-41	0.202811	chr17_6996401_6996600	sig	hyper
chr17	7290801	7291000	*	8.164E-26	1.4E-25	0.167217	chr17_7290801_7291000	sig	hyper
chr17	7324201	7324400	*	8.1E-16	1.075E-15	0.111027	chr17_7324201_7324400	sig	hyper
chr17	7383801	7384000	*	1.35E-137	1.2E-136	0.223943	chr17_7383801_7384000	sig	hyper

chr17	7393401	7393600	*	9.998E-14	1.244E-13	0.134451	chr17_7393401_7393600	sig	hyper
chr17	7395201	7395400	*	2.814E-37	6.077E-37	0.129883	chr17_7395201_7395400	sig	hyper
chr17	7420201	7420400	*	2.752E-25	4.654E-25	-0.11084	chr17_7420201_7420400	sig	hypo
chr17	7425201	7425400	*	1.402E-51	3.826E-51	-0.1812	chr17_7425201_7425400	sig	hypo
chr17	7447001	7447200	*	3.34E-123	2.47E-122	0.220321	chr17_7447001_7447200	sig	hyper
chr17	7478201	7478400	*	1.56E-107	9.38E-107	0.306267	chr17_7478201_7478400	sig	hyper
chr17	7589401	7589600	*	2.237E-35	4.656E-35	0.177327	chr17_7589401_7589600	sig	hyper
chr17	7589801	7590000	*	1.088E-25	1.86E-25	0.111341	chr17_7589801_7590000	sig	hyper
chr17	7651201	7651400	*	4.148E-85	1.846E-84	0.200525	chr17_7651201_7651400	sig	hyper
chr17	7651401	7651600	*	1.91E-37	4.138E-37	0.128326	chr17_7651401_7651600	sig	hyper
chr17	7651601	7651800	*	2.595E-34	5.293E-34	0.139151	chr17_7651601_7651800	sig	hyper
chr17	7704601	7704800	*	1.123E-31	2.171E-31	0.103717	chr17_7704601_7704800	sig	hyper
chr17	7739801	7740000	*	4.061E-25	6.846E-25	-0.1889	chr17_7739801_7740000	sig	hypo
chr17	7740401	7740600	*	7.888E-66	2.679E-65	-0.29697	chr17_7740401_7740600	sig	hypo
chr17	7740601	7740800	*	5.008E-15	6.499E-15	-0.14213	chr17_7740601_7740800	sig	hypo
chr17	7767801	7768000	*	6.912E-15	8.929E-15	-0.10451	chr17_7767801_7768000	sig	hypo
chr17	7851401	7851600	*	2.352E-20	3.534E-20	-0.17197	chr17_7851401_7851600	sig	hypo
chr17	7855001	7855200	*	1.043E-97	5.517E-97	0.239494	chr17_7855001_7855200	sig	hyper
chr17	7855201	7855400	*	1.771E-50	4.753E-50	0.157496	chr17_7855201_7855400	sig	hyper
chr17	7855401	7855600	*	8.95E-138	8E-137	0.284912	chr17_7855401_7855600	sig	hyper
chr17	7855601	7855800	*	3.733E-95	1.912E-94	0.196391	chr17_7855601_7855800	sig	hyper
chr17	7903201	7903400	*	1.581E-31	3.046E-31	0.105603	chr17_7903201_7903400	sig	hyper
chr17	7929801	7930000	*	2.46E-158	2.9E-157	0.345102	chr17_7929801_7930000	sig	hyper
chr17	8057001	8057200	*	2.754E-55	7.987E-55	-0.17919	chr17_8057001_8057200	sig	hypo
chr17	8072801	8073000	*	1.403E-16	1.901E-16	0.142057	chr17_8072801_8073000	sig	hyper
chr17	8073001	8073200	*	6.592E-30	1.23E-29	0.144722	chr17_8073001_8073200	sig	hyper
chr17	8073201	8073400	*	2.389E-44	5.811E-44	0.21448	chr17_8073201_8073400	sig	hyper
chr17	8315401	8315600	*	3.787E-27	6.69E-27	0.132369	chr17_8315401_8315600	sig	hyper
chr17	8326801	8327000	*	4.28E-110	2.67E-109	0.168644	chr17_8326801_8327000	sig	hyper
chr17	8327401	8327600	*	3.741E-68	1.31E-67	0.247665	chr17_8327401_8327600	sig	hyper
chr17	8347201	8347400	*	1.835E-73	6.913E-73	0.215116	chr17_8347201_8347400	sig	hyper
chr17	8397801	8398000	*	2.163E-63	7.098E-63	-0.20438	chr17_8397801_8398000	sig	hypo
chr17	8408201	8408400	*	1.038E-54	2.984E-54	-0.1774	chr17_8408201_8408400	sig	hypo
chr17	8467801	8468000	*	5.128E-27	9.034E-27	0.109338	chr17_8467801_8468000	sig	hyper
chr17	8758401	8758600	*	1.172E-26	2.05E-26	-0.10432	chr17_8758401_8758600	sig	hypo
chr17	8888401	8888600	*	5.456E-23	8.755E-23	0.133567	chr17_8888401_8888600	sig	hyper
chr17	8965201	8965400	*	2.394E-27	4.248E-27	0.140454	chr17_8965201_8965400	sig	hyper
chr17	9002801	9003000	*	4.733E-23	7.61E-23	0.106773	chr17_9002801_9003000	sig	hyper
chr17	9003801	9004000	*	2.444E-73	9.202E-73	0.126267	chr17_9003801_9004000	sig	hyper
chr17	9207001	9207200	*	1.671E-25	2.843E-25	-0.1191	chr17_9207001_9207200	sig	hypo
chr17	9226601	9226800	*	6.37E-101	3.51E-100	-0.24802	chr17_9226601_9226800	sig	hypo
chr17	9918001	9918200	*	5.463E-27	9.618E-27	-0.11395	chr17_9918001_9918200	sig	hypo
chr17	1E+07	1E+07	*	8.539E-74	3.24E-73	0.216426	chr17_10197801_101980(	sig	hyper
chr17	1E+07	1E+07	*	1.46E-22	2.317E-22	-0.12344	chr17_10309001_103092(	sig	hypo
chr17	1.1E+07	1.1E+07	*	9.03E-100	4.89E-99	0.179615	chr17_10729401_107296(	sig	hyper
chr17	1.1E+07	1.1E+07	*	2.996E-39	6.682E-39	0.161723	chr17_11241801_112420(	sig	hyper
chr17	1.3E+07	1.3E+07	*	2.246E-22	3.547E-22	0.139909	chr17_12791201_127914(	sig	hyper
chr17	1.4E+07	1.4E+07	*	7.729E-44	1.863E-43	0.186158	chr17_14295001_142952(	sig	hyper
chr17	1.4E+07	1.4E+07	*	6.83E-173	9.89E-172	0.374939	chr17_14298401_142986(	sig	hyper
chr17	1.4E+07	1.4E+07	*	1.338E-53	3.778E-53	0.186299	chr17_14299801_143000(	sig	hyper
chr17	1.4E+07	1.4E+07	*	7.826E-84	3.42E-83	0.163206	chr17_14303401_143036(	sig	hyper
chr17	1.4E+07	1.4E+07	*	8.94E-109	5.48E-108	0.267221	chr17_14303601_143038(	sig	hyper
chr17	1.4E+07	1.4E+07	*	7.611E-88	3.524E-87	0.313865	chr17_14304201_143044(	sig	hyper
chr17	1.4E+07	1.4E+07	*	5.17E-27	9.106E-27	0.179742	chr17_14310401_143106(	sig	hyper
chr17	1.6E+07	1.6E+07	*	2.427E-24	4.016E-24	-0.11454	chr17_15764601_157648(	sig	hypo
chr17	1.6E+07	1.6E+07	*	1.145E-55	3.345E-55	0.310573	chr17_15917601_159178(	sig	hyper

chr17	1.6E+07	1.6E+07	*	1.725E-25	2.934E-25	0.153709	chr17_15918001_159182(	sig	hyper
chr17	1.6E+07	1.6E+07	*	5.595E-67	1.93E-66	-0.17651	chr17_16379001_163792(	sig	hypo
chr17	1.6E+07	1.6E+07	*	2.904E-51	7.881E-51	0.101045	chr17_16407001_164072(	sig	hyper
chr17	1.7E+07	1.7E+07	*	1.144E-73	4.328E-73	0.20998	chr17_16683401_166836(	sig	hyper
chr17	1.7E+07	1.7E+07	*	2.627E-17	3.631E-17	0.104671	chr17_16690201_166904(	sig	hyper
chr17	1.7E+07	1.7E+07	*	9.119E-30	1.697E-29	0.107776	chr17_16746601_167468(	sig	hyper
chr17	1.7E+07	1.7E+07	*	1.414E-23	2.3E-23	-0.11139	chr17_16972201_169724(	sig	hypo
chr17	1.7E+07	1.7E+07	*	7.449E-15	9.612E-15	-0.10542	chr17_17352201_173524(	sig	hypo
chr17	1.7E+07	1.7E+07	*	1.676E-43	4.013E-43	-0.22657	chr17_17392001_173922(	sig	hypo
chr17	1.7E+07	1.7E+07	*	1.577E-42	3.72E-42	-0.18493	chr17_17392201_173924(	sig	hypo
chr17	1.8E+07	1.8E+07	*	1.805E-52	4.994E-52	-0.15951	chr17_17561801_175620(	sig	hypo
chr17	1.8E+07	1.8E+07	*	1.78E-17	2.473E-17	-0.13203	chr17_17676001_176762(	sig	hypo
chr17	1.8E+07	1.8E+07	*	1.891E-38	4.164E-38	0.195608	chr17_17725201_177254(	sig	hyper
chr17	1.8E+07	1.8E+07	*	5.145E-35	1.064E-34	0.177076	chr17_17766601_177668(	sig	hyper
chr17	1.8E+07	1.8E+07	*	4.829E-41	1.11E-40	0.109453	chr17_17784001_177842(	sig	hyper
chr17	1.8E+07	1.8E+07	*	5.05E-170	7.02E-169	0.262901	chr17_17793001_177932(	sig	hyper
chr17	1.8E+07	1.8E+07	*	1.79E-165	2.33E-164	0.312853	chr17_17810401_178106(	sig	hyper
chr17	1.8E+07	1.8E+07	*	1.59E-113	1.05E-112	0.15814	chr17_17811001_178112(	sig	hyper
chr17	1.8E+07	1.8E+07	*	7.969E-43	1.888E-42	0.177954	chr17_17812201_178124(	sig	hyper
chr17	1.8E+07	1.8E+07	*	3.938E-27	6.955E-27	0.115359	chr17_17812601_178128(	sig	hyper
chr17	1.8E+07	1.8E+07	*	2.526E-14	3.204E-14	0.103263	chr17_18247801_182480(	sig	hyper
chr17	1.8E+07	1.8E+07	*	2.478E-23	4.007E-23	-0.14616	chr17_18259801_182600(	sig	hypo
chr17	1.9E+07	1.9E+07	*	1.54E-119	1.08E-118	0.206341	chr17_18634601_186348(	sig	hyper
chr17	1.9E+07	1.9E+07	*	3.633E-21	5.567E-21	0.10635	chr17_18635201_186354(	sig	hyper
chr17	1.9E+07	1.9E+07	*	6.376E-90	3.038E-89	-0.24232	chr17_18636401_186366(	sig	hypo
chr17	1.9E+07	1.9E+07	*	1.05E-112	6.81E-112	-0.24782	chr17_18982001_189822(	sig	hypo
chr17	1.9E+07	1.9E+07	*	6.507E-34	1.316E-33	0.138011	chr17_19379201_193794(	sig	hyper
chr17	1.9E+07	1.9E+07	*	1.86E-148	1.93E-147	0.263812	chr17_19470801_194710(	sig	hyper
chr17	2E+07	2E+07	*	5.057E-61	1.597E-60	-0.20073	chr17_19534801_195350(	sig	hypo
chr17	2E+07	2E+07	*	0	0	0.274667	chr17_19580201_195804(	sig	hyper
chr17	2E+07	2E+07	*	1.258E-24	2.1E-24	-0.14046	chr17_19724401_197246(	sig	hypo
chr17	2E+07	2E+07	*	3E-163	3.8E-162	-0.25926	chr17_19745601_197458(	sig	hypo
chr17	2E+07	2E+07	*	4.602E-19	6.687E-19	-0.12963	chr17_19748801_197490(	sig	hypo
chr17	2E+07	2E+07	*	7.547E-69	2.671E-68	0.224779	chr17_19978201_199784(	sig	hyper
chr17	2E+07	2E+07	*	1.161E-30	2.199E-30	0.157583	chr17_19980001_199802(	sig	hyper
chr17	2E+07	2E+07	*	3.128E-18	4.437E-18	-0.13463	chr17_20157001_201572(	sig	hypo
chr17	2.1E+07	2.1E+07	*	2.008E-33	4.021E-33	-0.1151	chr17_20613401_206136(	sig	hypo
chr17	2.1E+07	2.1E+07	*	3.033E-66	1.036E-65	-0.31324	chr17_20907801_209080(	sig	hypo
chr17	2.1E+07	2.1E+07	*	3.469E-31	6.641E-31	0.134816	chr17_21290401_212906(	sig	hyper
chr17	2.1E+07	2.1E+07	*	8.97E-139	8.11E-138	0.303572	chr17_21397401_213976(	sig	hyper
chr17	2.1E+07	2.1E+07	*	1.29E-242	4.72E-241	0.236759	chr17_21452601_214528(	sig	hyper
chr17	2.1E+07	2.1E+07	*	3.19E-116	2.16E-115	0.19912	chr17_21452801_214530(	sig	hyper
chr17	2.1E+07	2.1E+07	*	1.465E-30	2.771E-30	0.143491	chr17_21464001_214642(	sig	hyper
chr17	2.2E+07	2.2E+07	*	9.329E-21	1.416E-20	-0.13473	chr17_21512201_215124(	sig	hypo
chr17	2.2E+07	2.2E+07	*	3.637E-33	7.252E-33	0.132621	chr17_21573801_215740(	sig	hyper
chr17	2.2E+07	2.2E+07	*	3.507E-13	4.288E-13	-0.11767	chr17_21709001_217092(	sig	hypo
chr17	2.2E+07	2.2E+07	*	5.535E-31	1.056E-30	-0.12362	chr17_21737201_217374(	sig	hypo
chr17	2.2E+07	2.2E+07	*	2.435E-74	9.314E-74	0.222945	chr17_22217201_222174(	sig	hyper
chr17	2.2E+07	2.2E+07	*	4.987E-26	8.597E-26	-0.16227	chr17_22305001_223052(	sig	hypo
chr17	2.2E+07	2.2E+07	*	3.704E-37	7.978E-37	-0.10633	chr17_22412001_224122(	sig	hypo
chr17	2.7E+07	2.7E+07	*	1.9E-37	4.116E-37	-0.19764	chr17_27381001_273812(	sig	hypo
chr17	2.8E+07	2.8E+07	*	1.009E-34	2.074E-34	-0.16109	chr17_27800401_278006(	sig	hypo
chr17	2.8E+07	2.8E+07	*	2.397E-20	3.602E-20	-0.10297	chr17_28250601_282508(	sig	hypo
chr17	2.8E+07	2.8E+07	*	3.496E-16	4.678E-16	0.106151	chr17_28307401_283076(	sig	hyper
chr17	2.8E+07	2.8E+07	*	1.5E-191	2.8E-190	-0.24418	chr17_28384601_283848(	sig	hypo
chr17	2.8E+07	2.8E+07	*	1.039E-29	1.931E-29	-0.14158	chr17_28385201_283854(	sig	hypo

chr17	2.8E+07	2.8E+07	*	1.475E-68	5.194E-68	-0.14136	chr17_28467801_284680(	sig	hypo
chr17	2.9E+07	2.9E+07	*	6.418E-72	2.37E-71	0.224371	chr17_28711801_287120(	sig	hyper
chr17	2.9E+07	2.9E+07	*	7.852E-80	3.258E-79	0.247212	chr17_28717201_287174(	sig	hyper
chr17	2.9E+07	2.9E+07	*	1.71E-133	1.45E-132	0.284958	chr17_28717601_287178(	sig	hyper
chr17	2.9E+07	2.9E+07	*	3.174E-19	4.629E-19	-0.11597	chr17_28982001_289822(	sig	hypo
chr17	2.9E+07	2.9E+07	*	2.578E-52	7.115E-52	-0.11009	chr17_29020001_290202(	sig	hypo
chr17	2.9E+07	2.9E+07	*	6.84E-48	1.764E-47	0.143922	chr17_29083601_290838(	sig	hyper
chr17	3E+07	3E+07	*	6.526E-53	1.821E-52	-0.21264	chr17_29565801_295660(	sig	hypo
chr17	3E+07	3E+07	*	5.377E-83	2.327E-82	0.328825	chr17_29572601_295728(	sig	hyper
chr17	3E+07	3E+07	*	1.465E-51	3.994E-51	0.131965	chr17_29761001_297612(	sig	hyper
chr17	3E+07	3E+07	*	8.8E-113	5.71E-112	0.269457	chr17_30235001_302352(	sig	hyper
chr17	3.1E+07	3.1E+07	*	2.917E-84	1.284E-83	-0.27265	chr17_30559001_305592(	sig	hypo
chr17	3.1E+07	3.1E+07	*	1.041E-85	4.671E-85	0.125383	chr17_31391201_313914(	sig	hyper
chr17	3.2E+07	3.2E+07	*	5.248E-13	6.38E-13	-0.10558	chr17_32110601_321108(	sig	hypo
chr17	3.2E+07	3.2E+07	*	9.062E-24	1.481E-23	0.185503	chr17_32487801_324880(	sig	hyper
chr17	3.3E+07	3.3E+07	*	9.401E-38	2.047E-37	0.189913	chr17_32519001_325192(	sig	hyper
chr17	3.3E+07	3.3E+07	*	5.833E-16	7.765E-16	-0.10442	chr17_33013601_330138(	sig	hypo
chr17	3.3E+07	3.3E+07	*	1.068E-44	2.611E-44	0.179572	chr17_33290401_332906(	sig	hyper
chr17	3.4E+07	3.4E+07	*	6.078E-41	1.395E-40	0.174214	chr17_34039401_340396(	sig	hyper
chr17	3.4E+07	3.4E+07	*	3.137E-61	9.94E-61	0.229789	chr17_34156401_341566(	sig	hyper
chr17	3.4E+07	3.4E+07	*	7.76E-200	1.64E-198	0.331288	chr17_34156601_341568(	sig	hyper
chr17	3.4E+07	3.4E+07	*	6.74E-151	7.29E-150	0.248585	chr17_34156801_341570(	sig	hyper
chr17	3.4E+07	3.4E+07	*	1.45E-241	5.22E-240	0.250659	chr17_34157001_341572(	sig	hyper
chr17	3.5E+07	3.5E+07	*	8.66E-99	4.634E-98	0.138404	chr17_34579201_345794(	sig	hyper
chr17	3.5E+07	3.5E+07	*	2.834E-54	8.089E-54	-0.19635	chr17_35090001_350902(	sig	hypo
chr17	3.5E+07	3.5E+07	*	3.32E-156	3.82E-155	0.207895	chr17_35345801_353460(	sig	hyper
chr17	3.5E+07	3.5E+07	*	8.45E-61	2.664E-60	0.101913	chr17_35373601_353738(	sig	hyper
chr17	3.5E+07	3.5E+07	*	7.57E-150	8.06E-149	0.189137	chr17_35374201_353744(	sig	hyper
chr17	3.5E+07	3.5E+07	*	1.857E-88	8.68E-88	0.104155	chr17_35448201_354484(	sig	hyper
chr17	3.5E+07	3.5E+07	*	1.184E-62	3.836E-62	0.131699	chr17_35448601_354488(	sig	hyper
chr17	3.5E+07	3.5E+07	*	1.244E-85	5.573E-85	0.110601	chr17_35487201_354874(	sig	hyper
chr17	3.5E+07	3.5E+07	*	8.361E-78	3.366E-77	0.123076	chr17_35487401_354876(	sig	hyper
chr17	3.5E+07	3.5E+07	*	1.148E-76	4.547E-76	0.149148	chr17_35487601_354878(	sig	hyper
chr17	3.5E+07	3.5E+07	*	2.07E-172	2.98E-171	0.234296	chr17_35487801_354880(	sig	hyper
chr17	3.5E+07	3.5E+07	*	5.19E-124	3.89E-123	0.230839	chr17_35488401_354886(	sig	hyper
chr17	3.5E+07	3.5E+07	*	2.75E-189	4.99E-188	0.352702	chr17_35490001_354902(	sig	hyper
chr17	3.5E+07	3.5E+07	*	1.892E-70	6.853E-70	0.315055	chr17_35496601_354968(	sig	hyper
chr17	3.6E+07	3.6E+07	*	2.18E-105	1.27E-104	0.223442	chr17_35515201_355154(	sig	hyper
chr17	3.6E+07	3.6E+07	*	2.591E-65	8.738E-65	-0.19909	chr17_35752601_357528(	sig	hypo
chr17	3.6E+07	3.6E+07	*	5.42E-128	4.28E-127	0.391644	chr17_36464801_364650(	sig	hyper
chr17	3.6E+07	3.6E+07	*	1.209E-31	2.336E-31	0.103182	chr17_36482601_364828(	sig	hyper
chr17	3.7E+07	3.7E+07	*	2.679E-14	3.393E-14	0.122903	chr17_36608801_366090(	sig	hyper
chr17	3.7E+07	3.7E+07	*	6.102E-12	7.127E-12	0.12567	chr17_36657601_366578(	sig	hyper
chr17	3.7E+07	3.7E+07	*	2.602E-28	4.697E-28	0.138533	chr17_36728601_367288(	sig	hyper
chr17	3.7E+07	3.7E+07	*	2.75E-18	3.907E-18	0.130797	chr17_36728801_367290(	sig	hyper
chr17	3.7E+07	3.7E+07	*	2.691E-94	1.361E-93	0.336647	chr17_36884601_368848(	sig	hyper
chr17	3.7E+07	3.7E+07	*	1.545E-73	5.828E-73	0.254284	chr17_36933801_369340(	sig	hyper
chr17	3.7E+07	3.7E+07	*	2.979E-88	1.388E-87	0.130513	chr17_36935001_369352(	sig	hyper
chr17	3.7E+07	3.7E+07	*	5.772E-35	1.192E-34	0.104508	chr17_36937201_369374(	sig	hyper
chr17	3.7E+07	3.7E+07	*	2.825E-30	5.31E-30	0.119798	chr17_36937601_369378(	sig	hyper
chr17	3.7E+07	3.7E+07	*	2.331E-56	6.879E-56	0.120957	chr17_36937801_369380(	sig	hyper
chr17	3.7E+07	3.7E+07	*	6.849E-76	2.682E-75	0.192013	chr17_36939601_369398(	sig	hyper
chr17	3.7E+07	3.7E+07	*	4.713E-40	1.066E-39	0.201617	chr17_36940601_369408(	sig	hyper
chr17	3.7E+07	3.7E+07	*	4.38E-239	1.51E-237	0.26933	chr17_36946001_369462(	sig	hyper
chr17	3.7E+07	3.7E+07	*	1.015E-22	1.616E-22	0.108744	chr17_37066601_370668(	sig	hyper
chr17	3.8E+07	3.8E+07	*	3E-38	6.577E-38	-0.11343	chr17_37510401_375106(	sig	hypo

chr17	3.8E+07	3.8E+07	*	1.324E-74	5.081E-74	0.223838	chr17_38421401_384216(	sig	hyper
chr17	3.8E+07	3.8E+07	*	5.61E-31	1.07E-30	0.161443	chr17_38466801_384670(	sig	hyper
chr17	3.9E+07	3.9E+07	*	3.342E-17	4.606E-17	-0.10317	chr17_38538601_385388(	sig	hypo
chr17	3.9E+07	3.9E+07	*	1.835E-22	2.904E-22	0.14061	chr17_38578401_385786(	sig	hyper
chr17	3.9E+07	3.9E+07	*	2.385E-22	3.763E-22	0.10178	chr17_38729601_387298(	sig	hyper
chr17	3.9E+07	3.9E+07	*	2.32E-22	3.661E-22	0.162453	chr17_38734001_387342(	sig	hyper
chr17	3.9E+07	3.9E+07	*	9.413E-48	2.422E-47	-0.14621	chr17_38750801_387510(	sig	hypo
chr17	3.9E+07	3.9E+07	*	3.04E-226	8.84E-225	0.298924	chr17_38841201_388414(	sig	hyper
chr17	3.9E+07	3.9E+07	*	0	0	-0.32767	chr17_38855201_388554(	sig	hypo
chr17	3.9E+07	3.9E+07	*	4.45E-185	7.58E-184	0.170132	chr17_38918601_389188(	sig	hyper
chr17	3.9E+07	3.9E+07	*	1.213E-16	1.647E-16	-0.13111	chr17_38924001_389242(	sig	hypo
chr17	3.9E+07	3.9E+07	*	9.026E-96	4.659E-95	0.323417	chr17_39165201_391654(	sig	hyper
chr17	3.9E+07	3.9E+07	*	4.071E-34	8.267E-34	0.148776	chr17_39165601_391658(	sig	hyper
chr17	4E+07	4E+07	*	2.943E-47	7.517E-47	0.179751	chr17_39563601_395638(	sig	hyper
chr17	4E+07	4E+07	*	3.708E-35	7.688E-35	0.139788	chr17_39597801_395980(	sig	hyper
chr17	4E+07	4E+07	*	1.924E-80	8.036E-80	0.187585	chr17_39599801_396000(	sig	hyper
chr17	4E+07	4E+07	*	6.56E-57	1.952E-56	0.124156	chr17_39606201_396064(	sig	hyper
chr17	4E+07	4E+07	*	6.14E-104	3.5E-103	0.170556	chr17_39607801_396080(	sig	hyper
chr17	4E+07	4E+07	*	4.814E-24	7.919E-24	-0.12648	chr17_39687401_396876(	sig	hypo
chr17	4E+07	4E+07	*	5.333E-25	8.969E-25	-0.13788	chr17_39737401_397376(	sig	hypo
chr17	4E+07	4E+07	*	3.269E-16	4.381E-16	0.188508	chr17_39868001_398682(	sig	hyper
chr17	4E+07	4E+07	*	7.321E-18	1.028E-17	-0.11089	chr17_40014601_400148(	sig	hypo
chr17	4E+07	4E+07	*	1.522E-16	2.06E-16	0.105282	chr17_40027401_400276(	sig	hyper
chr17	4E+07	4E+07	*	2.47E-162	3.09E-161	0.170282	chr17_40089201_400894(	sig	hyper
chr17	4E+07	4E+07	*	2.51E-151	2.74E-150	0.262074	chr17_40093001_400932(	sig	hyper
chr17	4E+07	4E+07	*	7.22E-294	4.96E-292	0.328398	chr17_40093201_400934(	sig	hyper
chr17	4E+07	4E+07	*	1.18E-104	6.83E-104	0.219458	chr17_40191201_401914(	sig	hyper
chr17	4E+07	4E+07	*	8.169E-80	3.387E-79	0.249688	chr17_40191401_401916(	sig	hyper
chr17	4E+07	4E+07	*	6.896E-23	1.103E-22	0.130364	chr17_40342801_403430(	sig	hyper
chr17	4E+07	4E+07	*	7.47E-121	5.36E-120	0.257906	chr17_40350001_403502(	sig	hyper
chr17	4E+07	4E+07	*	6.071E-60	1.889E-59	0.244366	chr17_40355201_403554(	sig	hyper
chr17	4E+07	4E+07	*	1.275E-48	3.328E-48	0.251645	chr17_40355601_403558(	sig	hyper
chr17	4.1E+07	4.1E+07	*	2.05E-117	1.41E-116	0.183486	chr17_40552201_405524(	sig	hyper
chr17	4.1E+07	4.1E+07	*	0	0	0.264151	chr17_40779601_407798(	sig	hyper
chr17	4.1E+07	4.1E+07	*	3.816E-72	1.414E-71	0.222791	chr17_40779801_407800(	sig	hyper
chr17	4.1E+07	4.1E+07	*	9.121E-16	1.209E-15	-0.10149	chr17_40937401_409376(	sig	hypo
chr17	4.1E+07	4.1E+07	*	1.719E-59	5.308E-59	0.173229	chr17_41315601_413158(	sig	hyper
chr17	4.1E+07	4.1E+07	*	1.065E-28	1.94E-28	-0.12369	chr17_41316001_413162(	sig	hypo
chr17	4.2E+07	4.2E+07	*	5.697E-53	1.592E-52	-0.1839	chr17_41520401_415206(	sig	hypo
chr17	4.2E+07	4.2E+07	*	5.048E-42	1.181E-41	-0.21814	chr17_41524001_415242(	sig	hypo
chr17	4.2E+07	4.2E+07	*	2.884E-45	7.11E-45	-0.16296	chr17_41524401_415246(	sig	hypo
chr17	4.2E+07	4.2E+07	*	3.964E-62	1.276E-61	-0.11421	chr17_41527401_415276(	sig	hypo
chr17	4.2E+07	4.2E+07	*	4.913E-22	7.689E-22	-0.11451	chr17_41536001_415362(	sig	hypo
chr17	4.2E+07	4.2E+07	*	1.76E-182	2.88E-181	-0.27432	chr17_41583201_415834(	sig	hypo
chr17	4.2E+07	4.2E+07	*	1.55E-143	1.49E-142	-0.31785	chr17_41583601_415838(	sig	hypo
chr17	4.2E+07	4.2E+07	*	2.878E-16	3.866E-16	0.108456	chr17_41635401_416356(	sig	hyper
chr17	4.2E+07	4.2E+07	*	1.707E-56	5.048E-56	0.120319	chr17_41735201_417354(	sig	hyper
chr17	4.2E+07	4.2E+07	*	4.414E-28	7.934E-28	0.122342	chr17_41973601_419738(	sig	hyper
chr17	4.2E+07	4.2E+07	*	1.206E-31	2.331E-31	0.173712	chr17_42040001_420402(	sig	hyper
chr17	4.2E+07	4.2E+07	*	2.542E-69	9.06E-69	0.12088	chr17_42122601_421228(	sig	hyper
chr17	4.2E+07	4.2E+07	*	3.799E-60	1.185E-59	0.227466	chr17_42155401_421556(	sig	hyper
chr17	4.2E+07	4.2E+07	*	4.456E-63	1.453E-62	0.22951	chr17_42155601_421558(	sig	hyper
chr17	4.3E+07	4.3E+07	*	4.575E-50	1.222E-49	-0.1463	chr17_42563001_425632(	sig	hypo
chr17	4.3E+07	4.3E+07	*	2.01E-132	1.68E-131	-0.26602	chr17_42563201_425634(	sig	hypo
chr17	4.3E+07	4.3E+07	*	1.69E-253	6.97E-252	0.255983	chr17_42653801_426540(	sig	hyper
chr17	4.3E+07	4.3E+07	*	8.746E-21	1.329E-20	-0.128	chr17_42670601_426708(	sig	hypo

chr17	4.3E+07	4.3E+07	*	1.6E-99	8.62E-99	-0.17342	chr17_42671401_426716(	sig	hypo
chr17	4.3E+07	4.3E+07	*	1.64E-31	3.157E-31	0.100791	chr17_42684001_426842(	sig	hyper
chr17	4.3E+07	4.3E+07	*	2.382E-51	6.474E-51	0.161184	chr17_42685001_426852(	sig	hyper
chr17	4.3E+07	4.3E+07	*	4.046E-84	1.776E-83	0.125554	chr17_42685201_426854(	sig	hyper
chr17	4.3E+07	4.3E+07	*	5.617E-79	2.299E-78	0.111038	chr17_42686801_426870(	sig	hyper
chr17	4.3E+07	4.3E+07	*	1.617E-88	7.576E-88	0.271232	chr17_42783801_427840(	sig	hyper
chr17	4.3E+07	4.3E+07	*	5.578E-92	2.726E-91	0.194998	chr17_42784001_427842(	sig	hyper
chr17	4.3E+07	4.3E+07	*	1.67E-197	3.39E-196	0.236279	chr17_42784401_427846(	sig	hyper
chr17	4.3E+07	4.3E+07	*	3.24E-127	2.53E-126	0.273161	chr17_42784601_427848(	sig	hyper
chr17	4.3E+07	4.3E+07	*	1.43E-106	8.47E-106	0.275097	chr17_42785201_427854(	sig	hyper
chr17	4.3E+07	4.3E+07	*	1.276E-36	2.721E-36	0.143444	chr17_42851201_428514(	sig	hyper
chr17	4.3E+07	4.3E+07	*	1.16E-35	2.426E-35	-0.1325	chr17_43126401_431266(	sig	hypo
chr17	4.3E+07	4.3E+07	*	4.15E-142	3.94E-141	0.28144	chr17_43400001_434002(	sig	hyper
chr17	4.4E+07	4.4E+07	*	1.259E-28	2.288E-28	-0.10104	chr17_43759001_437592(	sig	hypo
chr17	4.4E+07	4.4E+07	*	1E-130	8.2E-130	-0.35745	chr17_43843001_438432(	sig	hypo
chr17	4.4E+07	4.4E+07	*	1.009E-36	2.155E-36	0.136371	chr17_43906601_439068(	sig	hyper
chr17	4.4E+07	4.4E+07	*	2.217E-35	4.616E-35	0.182518	chr17_43917401_439176(	sig	hyper
chr17	4.4E+07	4.4E+07	*	1.843E-61	5.864E-61	0.132543	chr17_43917601_439178(	sig	hyper
chr17	4.4E+07	4.4E+07	*	1.703E-12	2.031E-12	-0.10636	chr17_43938401_439386(	sig	hypo
chr17	4.4E+07	4.4E+07	*	6.86E-50	1.826E-49	0.107597	chr17_44014201_440144(	sig	hyper
chr17	4.4E+07	4.4E+07	*	1.209E-31	2.336E-31	0.145843	chr17_44198001_441982(	sig	hyper
chr17	4.4E+07	4.4E+07	*	8.854E-58	2.67E-57	0.242089	chr17_44210801_442110(	sig	hyper
chr17	4.4E+07	4.4E+07	*	1.049E-43	2.523E-43	0.119962	chr17_44308801_443090(	sig	hyper
chr17	4.4E+07	4.4E+07	*	3.551E-74	1.355E-73	0.281392	chr17_44384801_443850(	sig	hyper
chr17	4.5E+07	4.5E+07	*	8.544E-61	2.693E-60	0.155199	chr17_44558001_445582(	sig	hyper
chr17	4.5E+07	4.5E+07	*	3.15E-76	1.239E-75	0.30225	chr17_44558201_445584(	sig	hyper
chr17	4.5E+07	4.5E+07	*	9.24E-189	1.66E-187	0.266097	chr17_44558401_445586(	sig	hyper
chr17	4.5E+07	4.5E+07	*	7.66E-112	4.91E-111	0.276272	chr17_44558601_445588(	sig	hyper
chr17	4.5E+07	4.5E+07	*	2.904E-73	1.092E-72	0.257454	chr17_44559201_445594(	sig	hyper
chr17	4.5E+07	4.5E+07	*	2.03E-109	1.25E-108	0.2469	chr17_44657001_446572(	sig	hyper
chr17	4.5E+07	4.5E+07	*	2.648E-32	5.185E-32	0.19741	chr17_44657201_446574(	sig	hyper
chr17	4.5E+07	4.5E+07	*	2.013E-24	3.339E-24	0.116142	chr17_44758401_447586(	sig	hyper
chr17	4.5E+07	4.5E+07	*	1.004E-77	4.035E-77	-0.1737	chr17_44915201_449154(	sig	hypo
chr17	4.5E+07	4.5E+07	*	1.2E-195	2.36E-194	0.296384	chr17_44967201_449674(	sig	hyper
chr17	4.5E+07	4.5E+07	*	1.209E-18	1.737E-18	0.101146	chr17_44968801_449690(	sig	hyper
chr17	4.5E+07	4.5E+07	*	7.214E-41	1.654E-40	0.153585	chr17_45136201_451364(	sig	hyper
chr17	4.5E+07	4.5E+07	*	3.115E-39	6.946E-39	0.156463	chr17_45221201_452214(	sig	hyper
chr17	4.5E+07	4.5E+07	*	2.024E-32	3.972E-32	0.138026	chr17_45241201_452414(	sig	hyper
chr17	4.5E+07	4.5E+07	*	4.984E-72	1.845E-71	-0.29573	chr17_45243801_452440(	sig	hypo
chr17	4.5E+07	4.5E+07	*	3.37E-130	2.73E-129	0.319676	chr17_45261601_452618(	sig	hyper
chr17	4.5E+07	4.5E+07	*	4.885E-60	1.522E-59	0.160395	chr17_45395201_453954(	sig	hyper
chr17	4.5E+07	4.5E+07	*	2.36E-120	1.68E-119	0.290873	chr17_45395401_453956(	sig	hyper
chr17	4.5E+07	4.5E+07	*	1.884E-60	5.911E-60	0.231318	chr17_45429001_454292(	sig	hyper
chr17	4.5E+07	4.5E+07	*	1.72E-219	4.66E-218	0.399954	chr17_45429801_454300(	sig	hyper
chr17	4.5E+07	4.5E+07	*	4.37E-306	3.46E-304	0.400497	chr17_45430001_454302(	sig	hyper
chr17	4.5E+07	4.5E+07	*	5.44E-268	2.77E-266	0.373143	chr17_45430201_454304(	sig	hyper
chr17	4.5E+07	4.5E+07	*	9.51E-100	5.15E-99	0.23639	chr17_45430401_454306(	sig	hyper
chr17	4.5E+07	4.5E+07	*	1.068E-32	2.108E-32	0.176705	chr17_45430601_454308(	sig	hyper
chr17	4.6E+07	4.6E+07	*	4.77E-106	2.81E-105	0.130988	chr17_45501401_455016(	sig	hyper
chr17	4.6E+07	4.6E+07	*	8.52E-71	3.101E-70	-0.22735	chr17_45583401_455836(	sig	hypo
chr17	4.6E+07	4.6E+07	*	7.068E-75	2.725E-74	-0.28365	chr17_45844801_458450(	sig	hypo
chr17	4.6E+07	4.6E+07	*	1.428E-61	4.558E-61	0.167983	chr17_45896001_458962(	sig	hyper
chr17	4.6E+07	4.6E+07	*	3.92E-243	1.45E-241	0.320363	chr17_45897401_458976(	sig	hyper
chr17	4.6E+07	4.6E+07	*	1.578E-42	3.722E-42	0.148207	chr17_45897601_458978(	sig	hyper
chr17	4.6E+07	4.6E+07	*	1.548E-31	2.981E-31	-0.1358	chr17_45901201_459014(	sig	hypo
chr17	4.6E+07	4.6E+07	*	7.068E-25	1.186E-24	-0.10504	chr17_45998201_459984(	sig	hypo

chr17	4.6E+07	4.6E+07	*	1.014E-40	2.32E-40	-0.12916	chr17_46244401_462446(	sig	hypo
chr17	4.6E+07	4.6E+07	*	2.449E-15	3.206E-15	0.114349	chr17_46266201_462664(	sig	hyper
chr17	4.7E+07	4.7E+07	*	9.704E-77	3.848E-76	0.120581	chr17_46819401_468196(	sig	hyper
chr17	4.7E+07	4.7E+07	*	1.789E-82	7.682E-82	0.192142	chr17_46841801_468420(	sig	hyper
chr17	4.7E+07	4.7E+07	*	3.24E-99	1.744E-98	0.236012	chr17_46850801_468510(	sig	hyper
chr17	4.7E+07	4.7E+07	*	4.81E-41	1.106E-40	0.102668	chr17_46851801_468520(	sig	hyper
chr17	4.7E+07	4.7E+07	*	9.707E-75	3.735E-74	0.132889	chr17_46979601_469798(	sig	hyper
chr17	4.7E+07	4.7E+07	*	4.562E-42	1.068E-41	0.18005	chr17_47253401_472536(	sig	hyper
chr17	4.7E+07	4.7E+07	*	5.005E-43	1.19E-42	0.196328	chr17_47424201_474244(	sig	hyper
chr17	4.8E+07	4.8E+07	*	1.235E-55	3.606E-55	0.264011	chr17_47848001_478482(	sig	hyper
chr17	4.8E+07	4.8E+07	*	1.259E-57	3.791E-57	0.277004	chr17_47848201_478484(	sig	hyper
chr17	4.8E+07	4.8E+07	*	2.108E-08	2.123E-08	-0.10542	chr17_47850401_478506(	sig	hypo
chr17	4.8E+07	4.8E+07	*	1.819E-73	6.857E-73	0.198456	chr17_47852201_478524(	sig	hyper
chr17	4.8E+07	4.8E+07	*	1.264E-88	5.926E-88	0.197849	chr17_47852601_478528(	sig	hyper
chr17	4.8E+07	4.8E+07	*	6.304E-25	1.058E-24	0.181009	chr17_47866801_478670(	sig	hyper
chr17	4.8E+07	4.8E+07	*	1.22E-224	3.5E-223	0.278447	chr17_47867001_478672(	sig	hyper
chr17	4.8E+07	4.8E+07	*	6.71E-35	1.384E-34	0.15748	chr17_48047201_480474(	sig	hyper
chr17	4.8E+07	4.8E+07	*	8.825E-52	2.417E-51	-0.11995	chr17_48493001_484932(	sig	hypo
chr17	4.9E+07	4.9E+07	*	1.866E-94	9.448E-94	0.26486	chr17_48541801_485420(	sig	hyper
chr17	4.9E+07	4.9E+07	*	1.536E-38	3.388E-38	0.23294	chr17_48542401_485426(	sig	hyper
chr17	4.9E+07	4.9E+07	*	3.28E-139	2.98E-138	0.197101	chr17_48543001_485432(	sig	hyper
chr17	4.9E+07	4.9E+07	*	7.592E-41	1.74E-40	0.110144	chr17_48543401_485436(	sig	hyper
chr17	4.9E+07	4.9E+07	*	1.731E-50	4.648E-50	0.118108	chr17_48543601_485438(	sig	hyper
chr17	4.9E+07	4.9E+07	*	1.071E-43	2.574E-43	0.115872	chr17_48543801_485440(	sig	hyper
chr17	4.9E+07	4.9E+07	*	7.72E-123	5.68E-122	0.24063	chr17_48545001_485452(	sig	hyper
chr17	4.9E+07	4.9E+07	*	5.111E-63	1.664E-62	0.199595	chr17_48550001_485502(	sig	hyper
chr17	4.9E+07	4.9E+07	*	0	0	0.35881	chr17_48550801_485510(	sig	hyper
chr17	4.9E+07	4.9E+07	*	2.199E-52	6.077E-52	0.260519	chr17_48551201_485514(	sig	hyper
chr17	4.9E+07	4.9E+07	*	3.04E-105	1.77E-104	0.310917	chr17_48551401_485516(	sig	hyper
chr17	4.9E+07	4.9E+07	*	3.03E-219	8.18E-218	0.39306	chr17_48552201_485524(	sig	hyper
chr17	4.9E+07	4.9E+07	*	5.83E-145	5.74E-144	0.356074	chr17_48552401_485526(	sig	hyper
chr17	4.9E+07	4.9E+07	*	5.54E-117	3.79E-116	0.252719	chr17_48554401_485546(	sig	hyper
chr17	4.9E+07	4.9E+07	*	5.69E-149	5.97E-148	0.28845	chr17_48554601_485548(	sig	hyper
chr17	4.9E+07	4.9E+07	*	7.064E-24	1.157E-23	0.165836	chr17_48564401_485646(	sig	hyper
chr17	4.9E+07	4.9E+07	*	9.83E-126	7.52E-125	0.254528	chr17_48564601_485648(	sig	hyper
chr17	4.9E+07	4.9E+07	*	5.027E-19	7.297E-19	0.116538	chr17_48570601_485708(	sig	hyper
chr17	4.9E+07	4.9E+07	*	8.03E-115	5.37E-114	0.233791	chr17_48571001_485712(	sig	hyper
chr17	4.9E+07	4.9E+07	*	4.386E-88	2.037E-87	0.21983	chr17_48571201_485714(	sig	hyper
chr17	4.9E+07	4.9E+07	*	8.322E-71	3.03E-70	0.199866	chr17_48573801_485740(	sig	hyper
chr17	4.9E+07	4.9E+07	*	3.978E-20	5.944E-20	0.102838	chr17_48576201_485764(	sig	hyper
chr17	4.9E+07	4.9E+07	*	1.398E-59	4.325E-59	-0.14789	chr17_48603801_486040(	sig	hypo
chr17	4.9E+07	4.9E+07	*	1.177E-51	3.218E-51	-0.24145	chr17_48605601_486058(	sig	hypo
chr17	4.9E+07	4.9E+07	*	2.888E-25	4.884E-25	-0.1284	chr17_48606201_486064(	sig	hypo
chr17	4.9E+07	4.9E+07	*	5.778E-24	9.484E-24	-0.13284	chr17_48607201_486074(	sig	hypo
chr17	4.9E+07	4.9E+07	*	4.869E-31	9.294E-31	-0.1035	chr17_48607801_486080(	sig	hypo
chr17	4.9E+07	4.9E+07	*	5.706E-45	1.4E-44	-0.12814	chr17_48608001_486082(	sig	hypo
chr17	4.9E+07	4.9E+07	*	1.54E-19	2.264E-19	0.135572	chr17_48678201_486784(	sig	hyper
chr17	4.9E+07	4.9E+07	*	6.693E-80	2.78E-79	0.221836	chr17_48722001_487222(	sig	hyper
chr17	4.9E+07	4.9E+07	*	1.07E-145	1.07E-144	0.213769	chr17_48722201_487224(	sig	hyper
chr17	4.9E+07	4.9E+07	*	3.482E-57	1.041E-56	0.175318	chr17_48722401_487226(	sig	hyper
chr17	4.9E+07	4.9E+07	*	2.99E-118	2.07E-117	0.242632	chr17_48725001_487252(	sig	hyper
chr17	4.9E+07	4.9E+07	*	7.39E-130	5.96E-129	0.255878	chr17_48725401_487256(	sig	hyper
chr17	4.9E+07	4.9E+07	*	0	0	0.33195	chr17_48726801_487270(	sig	hyper
chr17	4.9E+07	4.9E+07	*	1.33E-221	3.67E-220	0.32425	chr17_48727001_487272(	sig	hyper
chr17	4.9E+07	4.9E+07	*	3.64E-182	5.93E-181	0.215914	chr17_48734001_487342(	sig	hyper
chr17	4.9E+07	4.9E+07	*	1.414E-33	2.839E-33	0.167882	chr17_48746801_487470(	sig	hyper

chr17	4.9E+07	4.9E+07	*	8.422E-20	1.246E-19	0.127796	chr17_48747601_487478(	sig	hyper
chr17	4.9E+07	4.9E+07	*	8.802E-31	1.671E-30	0.12991	chr17_48747801_487480(	sig	hyper
chr17	4.9E+07	4.9E+07	*	2.656E-81	1.122E-80	0.220738	chr17_48750001_487502(	sig	hyper
chr17	4.9E+07	4.9E+07	*	5.14E-81	2.161E-80	0.190005	chr17_48750201_487504(	sig	hyper
chr17	4.9E+07	4.9E+07	*	1.575E-21	2.435E-21	0.14461	chr17_48753801_487540(	sig	hyper
chr17	4.9E+07	4.9E+07	*	1.44E-55	4.2E-55	-0.24125	chr17_49035601_490358(	sig	hypo
chr17	4.9E+07	4.9E+07	*	2.353E-15	3.084E-15	-0.12138	chr17_49219601_492198(	sig	hypo
chr17	4.9E+07	4.9E+07	*	3.069E-79	1.262E-78	0.106215	chr17_49224801_492250(	sig	hyper
chr17	5E+07	5E+07	*	3.121E-52	8.598E-52	0.231573	chr17_49910601_499108(	sig	hyper
chr17	5E+07	5E+07	*	5.327E-77	2.119E-76	0.393787	chr17_49963801_499640(	sig	hyper
chr17	5E+07	5E+07	*	1.97E-142	1.87E-141	0.370979	chr17_49964401_499646(	sig	hyper
chr17	5E+07	5E+07	*	4.903E-56	1.439E-55	0.22092	chr17_49964601_499648(	sig	hyper
chr17	5E+07	5E+07	*	3.01E-112	1.94E-111	0.183421	chr17_49965201_499654(	sig	hyper
chr17	5E+07	5E+07	*	2.805E-87	1.286E-86	0.189503	chr17_49965401_499656(	sig	hyper
chr17	5E+07	5E+07	*	2.394E-55	6.953E-55	0.217043	chr17_49972801_499730(	sig	hyper
chr17	5E+07	5E+07	*	3.036E-19	4.43E-19	0.147453	chr17_49973001_499732(	sig	hyper
chr17	5E+07	5E+07	*	5.629E-71	2.055E-70	0.308096	chr17_49994401_499946(	sig	hyper
chr17	5E+07	5E+07	*	3.31E-18	4.692E-18	0.111008	chr17_49994801_499950(	sig	hyper
chr17	5E+07	5E+07	*	4.908E-52	1.349E-51	0.229361	chr17_50185601_501858(	sig	hyper
chr17	5E+07	5E+07	*	2.311E-46	5.812E-46	0.135499	chr17_50185801_501860(	sig	hyper
chr17	5E+07	5E+07	*	1.028E-42	2.433E-42	0.204453	chr17_50209401_502096(	sig	hyper
chr17	5E+07	5E+07	*	1.216E-38	2.687E-38	-0.14106	chr17_50220601_502208(	sig	hypo
chr17	5E+07	5E+07	*	1.93E-82	8.287E-82	0.160163	chr17_50468401_504686(	sig	hyper
chr17	5E+07	5E+07	*	1.26E-101	6.99E-101	0.270462	chr17_50468601_504688(	sig	hyper
chr17	5E+07	5E+07	*	1.95E-94	9.874E-94	0.253603	chr17_50469201_504694(	sig	hyper
chr17	5.1E+07	5.1E+07	*	1.643E-25	2.796E-25	0.173935	chr17_50508001_505082(	sig	hyper
chr17	5.1E+07	5.1E+07	*	8.138E-20	1.205E-19	-0.10765	chr17_50531401_505316(	sig	hypo
chr17	5.1E+07	5.1E+07	*	1.034E-39	2.324E-39	0.150051	chr17_50559201_505594(	sig	hyper
chr17	5.1E+07	5.1E+07	*	4.278E-42	1.002E-41	-0.1085	chr17_50571801_505720(	sig	hypo
chr17	5.1E+07	5.1E+07	*	2.46E-60	7.706E-60	-0.13316	chr17_50603001_506032(	sig	hypo
chr17	5.1E+07	5.1E+07	*	1.163E-25	1.988E-25	-0.19799	chr17_50634201_506344(	sig	hypo
chr17	5.1E+07	5.1E+07	*	7.877E-76	3.082E-75	0.190955	chr17_50781201_507814(	sig	hyper
chr17	5.1E+07	5.1E+07	*	6.18E-129	4.92E-128	0.200897	chr17_50781401_507816(	sig	hyper
chr17	5.1E+07	5.1E+07	*	1.07E-112	6.93E-112	0.206829	chr17_50834801_508350(	sig	hyper
chr17	5.1E+07	5.1E+07	*	7.274E-93	3.59E-92	0.208633	chr17_50835001_508352(	sig	hyper
chr17	5.1E+07	5.1E+07	*	4.067E-66	1.387E-65	0.177314	chr17_50835201_508354(	sig	hyper
chr17	5.1E+07	5.1E+07	*	3.39E-16	4.538E-16	0.107042	chr17_51165401_511656(	sig	hyper
chr17	5.2E+07	5.2E+07	*	3.62E-134	3.09E-133	0.324833	chr17_52157801_521580(	sig	hyper
chr17	5.2E+07	5.2E+07	*	7.87E-108	4.75E-107	0.258144	chr17_52159001_521592(	sig	hyper
chr17	5.2E+07	5.2E+07	*	5.11E-71	1.867E-70	0.218304	chr17_52159801_521600(	sig	hyper
chr17	5.2E+07	5.2E+07	*	4.518E-78	1.825E-77	0.232511	chr17_52160001_521602(	sig	hyper
chr17	5.2E+07	5.2E+07	*	1.83E-52	5.065E-52	0.230739	chr17_52160201_521604(	sig	hyper
chr17	5.2E+07	5.2E+07	*	5.236E-57	1.56E-56	0.203852	chr17_52160401_521606(	sig	hyper
chr17	5.6E+07	5.6E+07	*	1.596E-54	4.574E-54	0.100856	chr17_55845401_558456(	sig	hyper
chr17	5.7E+07	5.7E+07	*	9.562E-36	2.002E-35	0.111596	chr17_56594601_565948(	sig	hyper
chr17	5.7E+07	5.7E+07	*	2.776E-81	1.171E-80	0.247586	chr17_56597601_565978(	sig	hyper
chr17	5.7E+07	5.7E+07	*	1.06E-140	9.85E-140	0.218554	chr17_56597801_565980(	sig	hyper
chr17	5.7E+07	5.7E+07	*	1.983E-98	1.058E-97	0.248881	chr17_57045401_570456(	sig	hyper
chr17	5.7E+07	5.7E+07	*	2.246E-09	2.365E-09	0.10245	chr17_57046201_570464(	sig	hyper
chr17	5.8E+07	5.8E+07	*	1.467E-87	6.758E-87	0.237548	chr17_57874601_578748(	sig	hyper
chr17	5.8E+07	5.8E+07	*	4.53E-108	2.74E-107	-0.29563	chr17_57902601_579028(	sig	hypo
chr17	5.8E+07	5.8E+07	*	2.777E-31	5.326E-31	0.139501	chr17_58087001_580872(	sig	hyper
chr17	5.8E+07	5.8E+07	*	2.98E-200	6.33E-199	0.286704	chr17_58157401_581576(	sig	hyper
chr17	5.8E+07	5.8E+07	*	6.349E-25	1.066E-24	-0.12824	chr17_58268401_582686(	sig	hypo
chr17	5.8E+07	5.8E+07	*	6.5E-70	2.336E-69	-0.16915	chr17_58277801_582780(	sig	hypo
chr17	5.8E+07	5.8E+07	*	1.706E-52	4.725E-52	-0.14352	chr17_58278001_582782(	sig	hypo

chr17	5.8E+07	5.8E+07	*	4.421E-39	9.838E-39	-0.11932	chr17_58358001_583582(	sig	hypo
chr17	5.8E+07	5.8E+07	*	4.009E-19	5.833E-19	0.153083	chr17_58487801_584880(	sig	hyper
chr17	5.9E+07	5.9E+07	*	5.03E-48	1.3E-47	0.105237	chr17_58755601_587558(	sig	hyper
chr17	5.9E+07	5.9E+07	*	4.342E-32	8.461E-32	0.114907	chr17_58756801_587570(	sig	hyper
chr17	6E+07	6E+07	*	2.08E-49	5.504E-49	0.150006	chr17_59565201_595654(	sig	hyper
chr17	6E+07	6E+07	*	1.259E-94	6.389E-94	0.218781	chr17_60139201_601394(	sig	hyper
chr17	6E+07	6E+07	*	1.22E-99	6.6E-99	0.174652	chr17_60141401_601416(	sig	hyper
chr17	6E+07	6E+07	*	5.968E-33	1.184E-32	0.121289	chr17_60141601_601418(	sig	hyper
chr17	6.1E+07	6.1E+07	*	3.338E-90	1.596E-89	0.231485	chr17_61398001_613982(	sig	hyper
chr17	6.1E+07	6.1E+07	*	2.32E-30	4.368E-30	0.164531	chr17_61400801_614010(	sig	hyper
chr17	6.1E+07	6.1E+07	*	3.18E-09	3.327E-09	0.112329	chr17_61401401_614016(	sig	hyper
chr17	6.1E+07	6.1E+07	*	2.022E-13	2.492E-13	0.123359	chr17_61404001_614042(	sig	hyper
chr17	6.1E+07	6.1E+07	*	4.957E-76	1.944E-75	0.111939	chr17_61410801_614110(	sig	hyper
chr17	6.1E+07	6.1E+07	*	2.337E-46	5.876E-46	0.156179	chr17_61454201_614544(	sig	hyper
chr17	6.1E+07	6.1E+07	*	2.348E-24	3.887E-24	0.178279	chr17_61454401_614546(	sig	hyper
chr17	6.1E+07	6.1E+07	*	6.106E-30	1.14E-29	0.169088	chr17_61456601_614568(	sig	hyper
chr17	6.1E+07	6.1E+07	*	2.814E-21	4.324E-21	0.139081	chr17_61457201_614574(	sig	hyper
chr17	6.1E+07	6.1E+07	*	5.313E-32	1.034E-31	0.189363	chr17_61457401_614576(	sig	hyper
chr17	6.2E+07	6.2E+07	*	1.335E-58	4.068E-58	0.238602	chr17_62138001_621382(	sig	hyper
chr17	6.3E+07	6.3E+07	*	1.151E-49	3.055E-49	0.117707	chr17_62628401_626286(	sig	hyper
chr17	6.3E+07	6.3E+07	*	1.106E-72	4.124E-72	0.219959	chr17_63437401_634376(	sig	hyper
chr17	6.4E+07	6.4E+07	*	3.599E-36	7.599E-36	0.208586	chr17_63700801_637010(	sig	hyper
chr17	6.4E+07	6.4E+07	*	2.051E-18	2.927E-18	-0.12045	chr17_63882601_638828(	sig	hypo
chr17	6.4E+07	6.4E+07	*	3.583E-46	8.968E-46	-0.12721	chr17_63941801_639420(	sig	hypo
chr17	6.5E+07	6.5E+07	*	1.48E-219	4.03E-218	0.282973	chr17_64778401_647786(	sig	hyper
chr17	6.5E+07	6.5E+07	*	3.09E-161	3.81E-160	0.310879	chr17_64778801_647790(	sig	hyper
chr17	6.5E+07	6.5E+07	*	2.29E-248	9.02E-247	0.439802	chr17_64779001_647792(	sig	hyper
chr17	6.5E+07	6.5E+07	*	0	1.1E-307	0.416274	chr17_64779401_647796(	sig	hyper
chr17	6.5E+07	6.5E+07	*	1.544E-24	2.57E-24	-0.12106	chr17_64782001_647822(	sig	hypo
chr17	6.5E+07	6.5E+07	*	6.68E-106	3.93E-105	-0.18069	chr17_65228801_652290(	sig	hypo
chr17	6.6E+07	6.6E+07	*	1.424E-28	2.585E-28	-0.17536	chr17_65537001_655372(	sig	hypo
chr17	6.6E+07	6.6E+07	*	9.007E-65	3.014E-64	-0.24189	chr17_65538201_655384(	sig	hypo
chr17	6.6E+07	6.6E+07	*	4.28E-160	5.2E-159	-0.22858	chr17_65538401_655386(	sig	hypo
chr17	6.6E+07	6.6E+07	*	7.31E-49	1.916E-48	-0.20812	chr17_65549401_655496(	sig	hypo
chr17	6.6E+07	6.6E+07	*	1.056E-26	1.847E-26	0.118996	chr17_65554601_655548(	sig	hyper
chr17	6.7E+07	6.7E+07	*	3.776E-60	1.178E-59	-0.20211	chr17_67246601_672468(	sig	hypo
chr17	6.7E+07	6.7E+07	*	2.489E-70	9.002E-70	-0.31452	chr17_67246801_672470(	sig	hypo
chr17	6.8E+07	6.8E+07	*	6.607E-57	1.965E-56	0.15995	chr17_68198401_681986(	sig	hyper
chr17	6.8E+07	6.8E+07	*	6.051E-61	1.91E-60	0.198021	chr17_68198601_681988(	sig	hyper
chr17	6.8E+07	6.8E+07	*	2.75E-163	3.49E-162	0.216797	chr17_68198801_681990(	sig	hyper
chr17	7.2E+07	7.2E+07	*	3.03E-13	3.714E-13	0.139037	chr17_72115801_721160(	sig	hyper
chr17	7.2E+07	7.2E+07	*	1.115E-40	2.548E-40	0.228466	chr17_72116601_721168(	sig	hyper
chr17	7.2E+07	7.2E+07	*	5.226E-53	1.461E-52	0.185716	chr17_72118001_721182(	sig	hyper
chr17	7.3E+07	7.3E+07	*	4.698E-21	7.18E-21	-0.11089	chr17_72589001_725892(	sig	hypo
chr17	7.3E+07	7.3E+07	*	5.034E-79	2.062E-78	0.130263	chr17_73165001_731652(	sig	hyper
chr17	7.3E+07	7.3E+07	*	1.96E-105	1.14E-104	0.114711	chr17_73165201_731654(	sig	hyper
chr17	7.3E+07	7.3E+07	*	6.611E-44	1.596E-43	0.154516	chr17_73284401_732846(	sig	hyper
chr17	7.3E+07	7.3E+07	*	8.38E-46	2.084E-45	-0.15905	chr17_73423401_734236(	sig	hypo
chr17	7.4E+07	7.4E+07	*	3.062E-48	7.942E-48	-0.11389	chr17_73552401_735526(	sig	hypo
chr17	7.4E+07	7.4E+07	*	3.521E-75	1.364E-74	0.32533	chr17_74114001_741142(	sig	hyper
chr17	7.4E+07	7.4E+07	*	9.616E-45	2.353E-44	-0.18115	chr17_74235201_742354(	sig	hypo
chr17	7.4E+07	7.4E+07	*	2.474E-82	1.061E-81	0.219797	chr17_74270401_742706(	sig	hyper
chr17	7.4E+07	7.4E+07	*	5.458E-92	2.668E-91	0.186284	chr17_74326401_743266(	sig	hyper
chr17	7.4E+07	7.4E+07	*	1.206E-44	2.947E-44	-0.12855	chr17_74360001_743602(	sig	hypo
chr17	7.4E+07	7.4E+07	*	5.652E-70	2.034E-69	-0.11077	chr17_74443001_744432(	sig	hypo
chr17	7.4E+07	7.4E+07	*	3.82E-88	1.776E-87	-0.1683	chr17_74446801_744470(	sig	hypo

chr17	7.5E+07	7.5E+07	*	3.478E-90	1.662E-89	0.210383	chr17_74671001_746712(	sig	hyper
chr17	7.5E+07	7.5E+07	*	9.469E-27	1.659E-26	-0.14455	chr17_74780001_747802(	sig	hypo
chr17	7.5E+07	7.5E+07	*	7.74E-74	2.939E-73	0.128382	chr17_74893401_748936(	sig	hyper
chr17	7.5E+07	7.5E+07	*	2.834E-56	8.361E-56	0.207381	chr17_74935401_749356(	sig	hyper
chr17	7.5E+07	7.5E+07	*	2.728E-69	9.713E-69	0.201989	chr17_74935801_749360(	sig	hyper
chr17	7.5E+07	7.5E+07	*	2.831E-08	2.834E-08	0.104932	chr17_74952601_749528(	sig	hyper
chr17	7.5E+07	7.5E+07	*	7.377E-16	9.802E-16	0.100856	chr17_74973201_749734(	sig	hyper
chr17	7.5E+07	7.5E+07	*	3.383E-75	1.311E-74	0.201078	chr17_75060001_750602(	sig	hyper
chr17	7.5E+07	7.5E+07	*	3.94E-34	8.004E-34	-0.1804	chr17_75105801_751060(	sig	hypo
chr17	7.6E+07	7.6E+07	*	5.821E-20	8.656E-20	-0.10608	chr17_75526401_755266(	sig	hypo
chr17	7.6E+07	7.6E+07	*	2.463E-14	3.124E-14	-0.10081	chr17_75543201_755434(	sig	hypo
chr17	7.6E+07	7.6E+07	*	2.151E-26	3.741E-26	-0.10558	chr17_75581401_755816(	sig	hypo
chr17	7.6E+07	7.6E+07	*	1.678E-13	2.074E-13	-0.10246	chr17_75581601_755818(	sig	hypo
chr17	7.6E+07	7.6E+07	*	5.11E-163	6.46E-162	0.317109	chr17_75587601_755878(	sig	hyper
chr17	7.6E+07	7.6E+07	*	4.61E-191	8.57E-190	0.258169	chr17_75587801_755880(	sig	hyper
chr17	7.6E+07	7.6E+07	*	1.496E-32	2.944E-32	0.139949	chr17_75588401_755886(	sig	hyper
chr17	7.6E+07	7.6E+07	*	1.097E-16	1.491E-16	-0.11941	chr17_75640201_756404(	sig	hypo
chr17	7.6E+07	7.6E+07	*	4.84E-99	2.597E-98	-0.27285	chr17_75646401_756466(	sig	hypo
chr17	7.6E+07	7.6E+07	*	4.5E-148	4.65E-147	-0.23765	chr17_75784201_757844(	sig	hypo
chr17	7.6E+07	7.6E+07	*	1.058E-25	1.809E-25	0.118188	chr17_75825401_758256(	sig	hyper
chr17	7.6E+07	7.6E+07	*	4.18E-103	2.36E-102	0.238317	chr17_75828201_758284(	sig	hyper
chr17	7.6E+07	7.6E+07	*	2.894E-42	6.798E-42	-0.19134	chr17_75844601_758448(	sig	hypo
chr17	7.6E+07	7.6E+07	*	3.52E-181	5.69E-180	-0.26298	chr17_75891201_758914(	sig	hypo
chr17	7.6E+07	7.6E+07	*	4.26E-53	1.193E-52	-0.11805	chr17_75891401_758916(	sig	hypo
chr17	7.6E+07	7.6E+07	*	1.72E-114	1.14E-113	0.234413	chr17_76000001_760002(	sig	hyper
chr17	7.6E+07	7.6E+07	*	5.06E-104	2.89E-103	0.183039	chr17_76000201_760004(	sig	hyper
chr17	7.6E+07	7.6E+07	*	3.687E-94	1.857E-93	-0.23404	chr17_76027401_760276(	sig	hypo
chr17	7.6E+07	7.6E+07	*	9.02E-44	2.172E-43	0.202515	chr17_76077401_760776(	sig	hyper
chr17	7.6E+07	7.6E+07	*	5.499E-38	1.201E-37	-0.14032	chr17_76264601_762648(	sig	hypo
chr17	7.7E+07	7.7E+07	*	1.852E-51	5.041E-51	0.180499	chr17_76538401_765386(	sig	hyper
chr17	7.7E+07	7.7E+07	*	2.77E-200	5.88E-199	0.310168	chr17_76700601_767008(	sig	hyper
chr17	7.7E+07	7.7E+07	*	3.8E-128	3E-127	0.368142	chr17_76709601_767098(	sig	hyper
chr17	7.7E+07	7.7E+07	*	1.14E-27	2.035E-27	-0.11915	chr17_76912601_769128(	sig	hypo
chr17	7.7E+07	7.7E+07	*	6.77E-66	2.301E-65	-0.23068	chr17_76915401_769156(	sig	hypo
chr17	7.7E+07	7.7E+07	*	7.943E-47	2.014E-46	-0.15047	chr17_76917201_769174(	sig	hypo
chr17	7.7E+07	7.7E+07	*	3.032E-13	3.717E-13	-0.12201	chr17_76944801_769450(	sig	hypo
chr17	7.7E+07	7.7E+07	*	1.08E-157	1.26E-156	-0.37638	chr17_76948601_769488(	sig	hypo
chr17	7.7E+07	7.7E+07	*	8.51E-214	2.14E-212	-0.32041	chr17_77233601_772338(	sig	hypo
chr17	7.7E+07	7.7E+07	*	1.47E-214	3.74E-213	-0.22758	chr17_77282001_772822(	sig	hypo
chr17	7.7E+07	7.7E+07	*	2.39E-81	1.01E-80	-0.26283	chr17_77286001_772862(	sig	hypo
chr17	7.7E+07	7.7E+07	*	6.753E-34	1.365E-33	0.118918	chr17_77319001_773192(	sig	hyper
chr17	7.7E+07	7.7E+07	*	7.9E-138	7.07E-137	0.279817	chr17_77320201_773204(	sig	hyper
chr17	7.7E+07	7.7E+07	*	9.267E-71	3.372E-70	0.286485	chr17_77320601_773208(	sig	hyper
chr17	7.7E+07	7.7E+07	*	3.11E-202	6.75E-201	0.166145	chr17_77372801_773730(	sig	hyper
chr17	7.7E+07	7.7E+07	*	4.26E-146	4.26E-145	0.270922	chr17_77373401_773736(	sig	hyper
chr17	7.7E+07	7.7E+07	*	6.263E-65	2.101E-64	0.17623	chr17_77373801_773740(	sig	hyper
chr17	7.7E+07	7.7E+07	*	4.257E-33	8.47E-33	0.141234	chr17_77376801_773770(	sig	hyper
chr17	7.7E+07	7.7E+07	*	1.198E-73	4.526E-73	0.203341	chr17_77377001_773772(	sig	hyper
chr17	7.7E+07	7.7E+07	*	1.08E-271	5.72E-270	0.342387	chr17_77377201_773774(	sig	hyper
chr17	7.7E+07	7.7E+07	*	8.522E-90	4.054E-89	0.166177	chr17_77403801_774040(	sig	hyper
chr17	7.7E+07	7.7E+07	*	4.99E-129	3.98E-128	0.396	chr17_77408401_774086(	sig	hyper
chr17	7.7E+07	7.7E+07	*	2.46E-239	8.57E-238	0.446125	chr17_77409601_774098(	sig	hyper
chr17	7.7E+07	7.7E+07	*	3.451E-12	4.068E-12	0.101264	chr17_77475201_774754(	sig	hyper
chr17	7.7E+07	7.7E+07	*	1.146E-54	3.293E-54	0.175292	chr17_77477401_774776(	sig	hyper
chr17	7.7E+07	7.7E+07	*	5.12E-113	3.34E-112	0.237939	chr17_77477801_774780(	sig	hyper
chr17	7.8E+07	7.8E+07	*	3.648E-57	1.09E-56	-0.22537	chr17_77543801_775440(	sig	hypo

chr17	7.8E+07	7.8E+07	*	8.72E-39	1.929E-38	-0.13423	chr17_77561001_775612(	sig	hypo
chr17	7.8E+07	7.8E+07	*	1.28E-110	8.03E-110	-0.30996	chr17_77881601_778818(	sig	hypo
chr17	7.8E+07	7.8E+07	*	8.213E-55	2.365E-54	0.105193	chr17_77888201_778884(	sig	hyper
chr17	7.8E+07	7.8E+07	*	1.272E-24	2.123E-24	0.117514	chr17_77960001_779602(	sig	hyper
chr17	7.8E+07	7.8E+07	*	3.034E-73	1.14E-72	0.18596	chr17_77960201_779604(	sig	hyper
chr17	7.8E+07	7.8E+07	*	3.815E-28	6.868E-28	-0.15938	chr17_78125401_781256(	sig	hypo
chr17	7.8E+07	7.8E+07	*	1.36E-104	7.82E-104	-0.19524	chr17_78132401_781326(	sig	hypo
chr17	7.8E+07	7.8E+07	*	6.712E-33	1.33E-32	-0.18694	chr17_78132801_781330(	sig	hypo
chr17	7.8E+07	7.8E+07	*	5.762E-34	1.166E-33	-0.16669	chr17_78133801_781340(	sig	hypo
chr17	7.8E+07	7.8E+07	*	1.841E-96	9.591E-96	-0.20615	chr17_78140801_781410(	sig	hypo
chr17	7.8E+07	7.8E+07	*	1.672E-25	2.844E-25	-0.1031	chr17_78170801_781710(	sig	hypo
chr17	7.8E+07	7.8E+07	*	3.726E-37	8.026E-37	-0.14398	chr17_78172201_781724(	sig	hypo
chr17	7.8E+07	7.8E+07	*	6.046E-30	1.129E-29	-0.14102	chr17_78174601_781748(	sig	hypo
chr17	7.8E+07	7.8E+07	*	1.15E-167	1.55E-166	0.248014	chr17_78232001_782322(	sig	hyper
chr17	7.8E+07	7.8E+07	*	1.159E-90	5.575E-90	0.26475	chr17_78232201_782324(	sig	hyper
chr17	7.8E+07	7.8E+07	*	4.156E-09	4.327E-09	-0.10903	chr17_78263201_782634(	sig	hypo
chr17	7.8E+07	7.8E+07	*	3.467E-69	1.234E-68	0.250137	chr17_78324801_783250(	sig	hyper
chr17	7.8E+07	7.8E+07	*	1.098E-46	2.777E-46	-0.14808	chr17_78468601_784688(	sig	hypo
chr17	7.9E+07	7.9E+07	*	8.767E-20	1.297E-19	-0.13239	chr17_78502401_785026(	sig	hypo
chr17	7.9E+07	7.9E+07	*	1.262E-27	2.25E-27	-0.11393	chr17_78510401_785106(	sig	hypo
chr17	7.9E+07	7.9E+07	*	5.634E-29	1.032E-28	-0.14577	chr17_78568801_785690(	sig	hypo
chr17	7.9E+07	7.9E+07	*	0	0	-0.43654	chr17_78592601_785928(	sig	hypo
chr17	7.9E+07	7.9E+07	*	4.921E-39	1.094E-38	0.13401	chr17_78680601_786808(	sig	hyper
chr17	7.9E+07	7.9E+07	*	0	0	0.44337	chr17_78723401_787236(	sig	hyper
chr17	7.9E+07	7.9E+07	*	1.091E-17	1.525E-17	0.14349	chr17_78799001_787992(	sig	hyper
chr17	7.9E+07	7.9E+07	*	1.15E-143	1.11E-142	-0.28058	chr17_78853001_788532(	sig	hypo
chr17	7.9E+07	7.9E+07	*	1.303E-53	3.679E-53	-0.16848	chr17_78854001_788542(	sig	hypo
chr17	7.9E+07	7.9E+07	*	1.818E-45	4.494E-45	0.203563	chr17_78879801_788800(	sig	hyper
chr17	7.9E+07	7.9E+07	*	1.486E-23	2.416E-23	0.1309	chr17_78880001_788802(	sig	hyper
chr17	7.9E+07	7.9E+07	*	1.57E-108	9.57E-108	-0.19529	chr17_78890601_788908(	sig	hypo
chr17	7.9E+07	7.9E+07	*	7.506E-16	9.971E-16	-0.12599	chr17_78904601_789048(	sig	hypo
chr17	7.9E+07	7.9E+07	*	7.083E-19	1.024E-18	0.105593	chr17_78966401_789666(	sig	hyper
chr17	7.9E+07	7.9E+07	*	3.311E-51	8.977E-51	0.204138	chr17_78974801_789750(	sig	hyper
chr17	7.9E+07	7.9E+07	*	2.315E-28	4.186E-28	-0.11665	chr17_79006801_790070(	sig	hypo
chr17	7.9E+07	7.9E+07	*	1.305E-23	2.124E-23	0.122093	chr17_79034201_790344(	sig	hyper
chr17	7.9E+07	7.9E+07	*	2.081E-30	3.922E-30	0.132672	chr17_79034401_790346(	sig	hyper
chr17	7.9E+07	7.9E+07	*	8.964E-76	3.504E-75	-0.2185	chr17_79048201_790484(	sig	hypo
chr17	7.9E+07	7.9E+07	*	6.758E-28	1.212E-27	0.12001	chr17_79090601_790908(	sig	hyper
chr17	7.9E+07	7.9E+07	*	2E-109	1.24E-108	-0.26578	chr17_79132401_791326(	sig	hypo
chr17	7.9E+07	7.9E+07	*	2.062E-93	1.028E-92	0.251544	chr17_79137801_791380(	sig	hyper
chr17	7.9E+07	7.9E+07	*	8.587E-41	1.967E-40	0.189823	chr17_79138001_791382(	sig	hyper
chr17	7.9E+07	7.9E+07	*	1.072E-23	1.75E-23	-0.13888	chr17_79178001_791782(	sig	hypo
chr17	7.9E+07	7.9E+07	*	1.4E-166	1.86E-165	0.284617	chr17_79183601_791838(	sig	hyper
chr17	7.9E+07	7.9E+07	*	6.045E-31	1.152E-30	-0.15066	chr17_79211001_792112(	sig	hypo
chr17	7.9E+07	7.9E+07	*	3.111E-46	7.797E-46	-0.12536	chr17_79234401_792346(	sig	hypo
chr17	7.9E+07	7.9E+07	*	3.6E-104	2.07E-103	-0.24093	chr17_79423201_794234(	sig	hypo
chr17	7.9E+07	7.9E+07	*	3.402E-25	5.744E-25	-0.13856	chr17_79423401_794236(	sig	hypo
chr17	7.9E+07	7.9E+07	*	2.065E-80	8.62E-80	0.229183	chr17_79439001_794392(	sig	hyper
chr17	7.9E+07	7.9E+07	*	2.124E-30	4.002E-30	-0.16184	chr17_79458201_794584(	sig	hypo
chr17	7.9E+07	7.9E+07	*	8.199E-34	1.654E-33	-0.17082	chr17_79464801_794650(	sig	hypo
chr17	7.9E+07	7.9E+07	*	7.287E-18	1.024E-17	-0.1301	chr17_79465201_794654(	sig	hypo
chr17	7.9E+07	7.9E+07	*	2.17E-56	6.41E-56	-0.26884	chr17_79465401_794656(	sig	hypo
chr17	8E+07	8E+07	*	3.21E-176	4.85E-175	-0.40915	chr17_79711801_797120(	sig	hypo
chr17	8E+07	8E+07	*	3.37E-159	4.03E-158	-0.37595	chr17_79712001_797122(	sig	hypo
chr17	8E+07	8E+07	*	5.912E-40	1.335E-39	-0.15069	chr17_79731001_797312(	sig	hypo
chr17	8E+07	8E+07	*	1.433E-31	2.762E-31	0.150223	chr17_79747201_797474(	sig	hyper

chr17	8E+07	8E+07	*	8.517E-60	2.643E-59	0.218716	chr17_79748601_797488(	sig	hyper
chr17	8E+07	8E+07	*	4.779E-46	1.193E-45	0.158461	chr17_79789601_797898(	sig	hyper
chr17	8E+07	8E+07	*	1.876E-29	3.468E-29	0.181139	chr17_79793401_797936(	sig	hyper
chr17	8E+07	8E+07	*	2.013E-52	5.566E-52	0.252451	chr17_79793601_797938(	sig	hyper
chr17	8E+07	8E+07	*	2.038E-66	6.978E-66	0.152141	chr17_79803201_798034(	sig	hyper
chr17	8E+07	8E+07	*	1.12E-126	8.72E-126	0.232718	chr17_79803801_798040(	sig	hyper
chr17	8E+07	8E+07	*	7.862E-49	2.06E-48	0.126814	chr17_79804001_798042(	sig	hyper
chr17	8E+07	8E+07	*	3.02E-25	5.105E-25	-0.10311	chr17_79823001_798232(	sig	hypo
chr17	8E+07	8E+07	*	4.401E-23	7.082E-23	-0.13757	chr17_79833001_798332(	sig	hypo
chr17	8E+07	8E+07	*	3.448E-45	8.488E-45	-0.17571	chr17_79836001_798362(	sig	hypo
chr17	8E+07	8E+07	*	3.265E-20	4.89E-20	-0.12252	chr17_79836601_798368(	sig	hypo
chr17	8E+07	8E+07	*	8.35E-65	2.796E-64	0.182295	chr17_79890201_798904(	sig	hyper
chr17	8E+07	8E+07	*	6.59E-119	4.61E-118	-0.27703	chr17_79925801_799260(	sig	hypo
chr17	8E+07	8E+07	*	3.263E-23	5.267E-23	-0.10237	chr17_79942801_799430(	sig	hypo
chr17	8E+07	8E+07	*	1.58E-186	2.77E-185	0.299896	chr17_79981201_799814(	sig	hyper
chr17	8E+07	8E+07	*	1.147E-88	5.385E-88	0.243487	chr17_79981401_799816(	sig	hyper
chr17	8E+07	8E+07	*	5.56E-234	1.79E-232	0.303949	chr17_79981601_799818(	sig	hyper
chr17	8E+07	8E+07	*	4.15E-147	4.23E-146	-0.32896	chr17_79986001_799862(	sig	hypo
chr17	8E+07	8E+07	*	2.464E-36	5.226E-36	-0.13763	chr17_79988201_799884(	sig	hypo
chr17	8E+07	8E+07	*	1.537E-55	4.477E-55	-0.19879	chr17_79990201_799904(	sig	hypo
chr17	8E+07	8E+07	*	6.54E-44	1.579E-43	-0.1033	chr17_80002201_800024(	sig	hypo
chr17	8E+07	8E+07	*	4.397E-65	1.477E-64	-0.25824	chr17_80002801_800030(	sig	hypo
chr17	8E+07	8E+07	*	1.55E-111	9.91E-111	-0.18607	chr17_80064201_800644(	sig	hypo
chr17	8E+07	8E+07	*	2.657E-53	7.464E-53	-0.24184	chr17_80067401_800676(	sig	hypo
chr17	8E+07	8E+07	*	0	0	-0.34039	chr17_80067601_800678(	sig	hypo
chr17	8E+07	8E+07	*	2.466E-47	6.304E-47	-0.107	chr17_80099601_800998(	sig	hypo
chr17	8E+07	8E+07	*	7.41E-140	6.82E-139	-0.30643	chr17_80178601_801788(	sig	hypo
chr17	8E+07	8E+07	*	9.953E-90	4.727E-89	0.242978	chr17_80192401_801926(	sig	hyper
chr17	8E+07	8E+07	*	2.57E-45	6.339E-45	0.227316	chr17_80198201_801984(	sig	hyper
chr17	8E+07	8E+07	*	8.733E-07	8.095E-07	-0.10408	chr17_80349401_803496(	sig	hypo
chr17	8E+07	8E+07	*	4.898E-18	6.912E-18	-0.11294	chr17_80413801_804140(	sig	hypo
chr17	8E+07	8E+07	*	7.267E-43	1.723E-42	0.153001	chr17_80450401_804506(	sig	hyper
chr17	8E+07	8E+07	*	1.632E-21	2.522E-21	-0.10542	chr17_80465201_804654(	sig	hypo
chr17	8E+07	8E+07	*	9.863E-32	1.908E-31	-0.17479	chr17_80465601_804658(	sig	hypo
chr17	8E+07	8E+07	*	3.51E-231	1.08E-229	0.340253	chr17_80478201_804784(	sig	hyper
chr17	8E+07	8E+07	*	1.794E-53	5.05E-53	0.180539	chr17_80498201_804984(	sig	hyper
chr17	8.1E+07	8.1E+07	*	5.24E-15	6.794E-15	0.134884	chr17_80501801_805020(	sig	hyper
chr17	8.1E+07	8.1E+07	*	4.24E-167	5.66E-166	0.258963	chr17_80502001_805022(	sig	hyper
chr17	8.1E+07	8.1E+07	*	4.59E-27	8.096E-27	-0.10954	chr17_80510201_805104(	sig	hypo
chr17	8.1E+07	8.1E+07	*	4.984E-55	1.439E-54	-0.20938	chr17_80510401_805106(	sig	hypo
chr17	8.1E+07	8.1E+07	*	8.557E-15	1.102E-14	0.107766	chr17_80751401_807516(	sig	hyper
chr17	8.1E+07	8.1E+07	*	1.312E-28	2.385E-28	-0.11743	chr17_80780401_807806(	sig	hypo
chr17	8.1E+07	8.1E+07	*	3.469E-77	1.384E-76	-0.2942	chr17_80823001_808232(	sig	hypo
chr17	8.1E+07	8.1E+07	*	2.108E-86	9.559E-86	-0.35408	chr17_80823201_808234(	sig	hypo
chr17	8.1E+07	8.1E+07	*	5.47E-31	1.043E-30	0.163288	chr17_80834401_808346(	sig	hyper
chr17	8.1E+07	8.1E+07	*	4.815E-84	2.111E-83	0.294369	chr17_80859401_808596(	sig	hyper
chr17	8.1E+07	8.1E+07	*	1.811E-93	9.039E-93	0.151286	chr17_80919001_809192(	sig	hyper
chr17	8.1E+07	8.1E+07	*	2.7E-178	4.2E-177	0.313238	chr17_80919401_809196(	sig	hyper
chr17	8.1E+07	8.1E+07	*	2.4E-112	1.55E-111	0.238866	chr17_80919601_809198(	sig	hyper
chr17	8.1E+07	8.1E+07	*	1.363E-90	6.55E-90	0.356419	chr17_80942401_809426(	sig	hyper
chr17	8.1E+07	8.1E+07	*	1.38E-203	3.03E-202	0.411545	chr17_80942601_809428(	sig	hyper
chr17	8.1E+07	8.1E+07	*	4.777E-51	1.292E-50	0.175841	chr17_80960001_809602(	sig	hyper
chr17	8.1E+07	8.1E+07	*	2.7E-32	5.285E-32	0.120412	chr17_81018001_810182(	sig	hyper
chr17	8.1E+07	8.1E+07	*	1.036E-73	3.921E-73	-0.18474	chr17_81023401_810236(	sig	hypo
chr17	8.1E+07	8.1E+07	*	3.09E-289	1.99E-287	0.341524	chr17_81026801_810270(	sig	hyper
chr17	8.1E+07	8.1E+07	*	1.726E-88	8.074E-88	-0.23628	chr17_81031001_810312(	sig	hypo

chr17	8.1E+07	8.1E+07	*	1.725E-27	3.07E-27	-0.11627	chr17_81032201_810324(	sig	hypo
chr17	8.1E+07	8.1E+07	*	5.1E-107	3.05E-106	0.273775	chr17_81044801_810450(	sig	hyper
chr17	8.1E+07	8.1E+07	*	3.557E-73	1.336E-72	-0.3037	chr17_81050201_810504(	sig	hypo
chr17	8.1E+07	8.1E+07	*	5.077E-18	7.162E-18	0.104179	chr17_81057601_810578(	sig	hyper
chr17	8.1E+07	8.1E+07	*	1.78E-40	4.057E-40	0.13375	chr17_81080001_810802(	sig	hyper
chr17	8.1E+07	8.1E+07	*	1.987E-34	4.063E-34	-0.12876	chr17_81125801_811260(	sig	hypo
chr17	8.1E+07	8.1E+07	*	6.061E-86	2.73E-85	-0.26808	chr17_81135801_811360(	sig	hypo
chr17	8.1E+07	8.1E+07	*	2.905E-60	9.09E-60	-0.17959	chr17_81148401_811486(	sig	hypo
chr17	8.1E+07	8.1E+07	*	1.42E-106	8.44E-106	-0.27761	chr17_81153401_811536(	sig	hypo
chr17	8.1E+07	8.1E+07	*	1.776E-45	4.392E-45	-0.13999	chr17_81153601_811538(	sig	hypo
chr17	8.1E+07	8.1E+07	*	1.335E-47	3.429E-47	-0.11892	chr17_81155001_811552(	sig	hypo
chr17	8.1E+07	8.1E+07	*	2.955E-62	9.523E-62	-0.10343	chr17_81157201_811574(	sig	hypo
chr17	8.1E+07	8.1E+07	*	4.323E-36	9.11E-36	-0.11845	chr17_81158201_811584(	sig	hypo
chr17	8.1E+07	8.1E+07	*	4.301E-40	9.74E-40	-0.19871	chr17_81161201_811614(	sig	hypo
chr17	8.1E+07	8.1E+07	*	3.95E-69	1.405E-68	0.187615	chr17_81199801_812000(	sig	hyper
chr17	8.1E+07	8.1E+07	*	5.487E-21	8.374E-21	-0.13229	chr17_81250401_812506(	sig	hypo
chr17	8.1E+07	8.1E+07	*	3.598E-28	6.481E-28	-0.15659	chr17_81251401_812516(	sig	hypo
chr17	8.1E+07	8.1E+07	*	1.204E-29	2.234E-29	-0.18259	chr17_81251801_812520(	sig	hypo
chr17	8.1E+07	8.1E+07	*	1.69E-108	1.03E-107	0.278087	chr17_81255201_812554(	sig	hyper
chr17	8.1E+07	8.1E+07	*	3.995E-36	8.424E-36	0.206038	chr17_81255601_812558(	sig	hyper
chr17	8.1E+07	8.1E+07	*	1.223E-35	2.557E-35	-0.13078	chr17_81256601_812568(	sig	hypo
chr17	8.1E+07	8.1E+07	*	0	0	0.38082	chr17_81277401_812776(	sig	hyper
chr17	8.1E+07	8.1E+07	*	2.929E-27	5.186E-27	-0.11749	chr17_81285201_812854(	sig	hypo
chr17	8.1E+07	8.1E+07	*	4.859E-57	1.449E-56	0.12192	chr17_81291801_812920(	sig	hyper
chr17	8.1E+07	8.1E+07	*	2.192E-51	5.963E-51	-0.1873	chr17_81296001_812962(	sig	hypo
chr17	8.1E+07	8.1E+07	*	5.653E-36	1.187E-35	-0.10373	chr17_81304201_813044(	sig	hypo
chr17	8.1E+07	8.1E+07	*	1.664E-43	3.986E-43	-0.11053	chr17_81304401_813046(	sig	hypo
chr17	8.1E+07	8.1E+07	*	3.23E-43	7.704E-43	-0.11716	chr17_81322401_813226(	sig	hypo
chr17	8.1E+07	8.1E+07	*	2.65E-133	2.24E-132	-0.32851	chr17_81330601_813308(	sig	hypo
chr17	8.1E+07	8.1E+07	*	1.87E-111	1.19E-110	-0.27308	chr17_81330801_813310(	sig	hypo
chr17	8.1E+07	8.1E+07	*	3.383E-93	1.678E-92	0.188795	chr17_81400401_814006(	sig	hyper
chr17	8.1E+07	8.1E+07	*	9.33E-145	9.14E-144	0.23789	chr17_81400601_814008(	sig	hyper
chr17	8.1E+07	8.1E+07	*	1.403E-25	2.392E-25	0.111527	chr17_81400801_814010(	sig	hyper
chr17	8.1E+07	8.1E+07	*	9.659E-15	1.242E-14	0.119738	chr17_81403601_814038(	sig	hyper
chr17	8.1E+07	8.1E+07	*	3.148E-65	1.06E-64	0.151246	chr17_81403801_814040(	sig	hyper
chr17	8.1E+07	8.1E+07	*	1.605E-42	3.784E-42	-0.14199	chr17_81433801_814340(	sig	hypo
chr17	8.1E+07	8.1E+07	*	6.172E-50	1.644E-49	-0.23091	chr17_81445001_814452(	sig	hypo
chr17	8.1E+07	8.1E+07	*	4.214E-27	7.439E-27	-0.12033	chr17_81445601_814458(	sig	hypo
chr17	8.1E+07	8.1E+07	*	5.384E-23	8.642E-23	-0.14388	chr17_81447601_814478(	sig	hypo
chr17	8.1E+07	8.1E+07	*	2.9E-41	6.695E-41	-0.18949	chr17_81453001_814532(	sig	hypo
chr17	8.1E+07	8.1E+07	*	4.52E-151	4.91E-150	-0.17725	chr17_81453201_814534(	sig	hypo
chr17	8.1E+07	8.1E+07	*	1.28E-203	2.81E-202	-0.29264	chr17_81461001_814612(	sig	hypo
chr17	8.1E+07	8.1E+07	*	9.368E-34	1.889E-33	-0.13717	chr17_81464201_814644(	sig	hypo
chr17	8.1E+07	8.1E+07	*	2.32E-195	4.56E-194	0.343926	chr17_81472001_814722(	sig	hyper
chr17	8.1E+07	8.1E+07	*	3.42E-159	4.09E-158	0.320567	chr17_81472201_814724(	sig	hyper
chr17	8.2E+07	8.2E+07	*	8.054E-10	8.649E-10	0.105714	chr17_81517801_815180(	sig	hyper
chr17	8.2E+07	8.2E+07	*	1.041E-24	1.74E-24	-0.10502	chr17_81528401_815286(	sig	hypo
chr17	8.2E+07	8.2E+07	*	9.871E-74	3.739E-73	-0.22838	chr17_81529201_815294(	sig	hypo
chr17	8.2E+07	8.2E+07	*	2.477E-36	5.254E-36	-0.17532	chr17_81554001_815542(	sig	hypo
chr17	8.2E+07	8.2E+07	*	8.049E-17	1.098E-16	0.113371	chr17_81648601_816488(	sig	hyper
chr17	8.2E+07	8.2E+07	*	6.061E-71	2.211E-70	0.204634	chr17_81648801_816490(	sig	hyper
chr17	8.2E+07	8.2E+07	*	7.735E-35	1.594E-34	-0.14762	chr17_81685201_816854(	sig	hypo
chr17	8.2E+07	8.2E+07	*	8.692E-38	1.894E-37	0.145396	chr17_81711001_817112(	sig	hyper
chr17	8.2E+07	8.2E+07	*	1.007E-95	5.194E-95	-0.23184	chr17_81727401_817276(	sig	hypo
chr17	8.2E+07	8.2E+07	*	4.275E-49	1.126E-48	-0.23371	chr17_81727601_817278(	sig	hypo
chr17	8.2E+07	8.2E+07	*	6.37E-108	3.86E-107	-0.26475	chr17_81734401_817346(	sig	hypo

chr17	8.2E+07	8.2E+07	*	1.4E-93	6.997E-93	-0.25703	chr17_81865401_818656(	sig	hypo
chr17	8.2E+07	8.2E+07	*	8.262E-17	1.126E-16	0.131203	chr17_81869601_818698(	sig	hyper
chr17	8.2E+07	8.2E+07	*	5.672E-59	1.74E-58	0.133846	chr17_81911801_819120(	sig	hyper
chr17	8.2E+07	8.2E+07	*	6.22E-224	1.77E-222	-0.29541	chr17_81941401_819416(	sig	hypo
chr17	8.2E+07	8.2E+07	*	3.163E-46	7.924E-46	-0.2041	chr17_81941601_819418(	sig	hypo
chr17	8.2E+07	8.2E+07	*	2.528E-22	3.986E-22	0.110538	chr17_81962601_819628(	sig	hyper
chr17	8.2E+07	8.2E+07	*	3.82E-167	5.11E-166	-0.3638	chr17_81978601_819788(	sig	hypo
chr17	8.2E+07	8.2E+07	*	2.344E-49	6.194E-49	0.245747	chr17_81992201_819924(	sig	hyper
chr17	8.2E+07	8.2E+07	*	1.167E-40	2.667E-40	0.171973	chr17_81992401_819926(	sig	hyper
chr17	8.2E+07	8.2E+07	*	2.195E-31	4.217E-31	-0.15627	chr17_81999601_819998(	sig	hypo
chr17	8.2E+07	8.2E+07	*	2.542E-71	9.325E-71	-0.23002	chr17_82000401_820006(	sig	hypo
chr17	8.2E+07	8.2E+07	*	4.044E-62	1.301E-61	-0.19788	chr17_82000601_820008(	sig	hypo
chr17	8.2E+07	8.2E+07	*	7.545E-88	3.494E-87	0.209507	chr17_82003601_820038(	sig	hyper
chr17	8.2E+07	8.2E+07	*	4.641E-76	1.82E-75	0.202522	chr17_82003801_820040(	sig	hyper
chr17	8.2E+07	8.2E+07	*	2.055E-77	8.227E-77	0.236191	chr17_82032201_820324(	sig	hyper
chr17	8.2E+07	8.2E+07	*	1.42E-46	3.583E-46	0.127384	chr17_82051001_820512(	sig	hyper
chr17	8.2E+07	8.2E+07	*	1.319E-51	3.601E-51	-0.15119	chr17_82066201_820664(	sig	hypo
chr17	8.2E+07	8.2E+07	*	1.5E-31	2.889E-31	0.150567	chr17_82104201_821044(	sig	hyper
chr17	8.2E+07	8.2E+07	*	1.474E-55	4.298E-55	0.107771	chr17_82181201_821814(	sig	hyper
chr17	8.2E+07	8.2E+07	*	3.494E-60	1.091E-59	-0.15136	chr17_82216801_822170(	sig	hypo
chr17	8.2E+07	8.2E+07	*	1.47E-168	2E-167	-0.23579	chr17_82228201_822284(	sig	hypo
chr17	8.2E+07	8.2E+07	*	3.178E-45	7.826E-45	0.122225	chr17_82240001_822402(	sig	hyper
chr17	8.2E+07	8.2E+07	*	1.02E-110	6.42E-110	0.265417	chr17_82242601_822428(	sig	hyper
chr17	8.2E+07	8.2E+07	*	1.32E-178	2.06E-177	0.201808	chr17_82242801_822430(	sig	hyper
chr17	8.2E+07	8.2E+07	*	2.712E-18	3.853E-18	0.176057	chr17_82243001_822432(	sig	hyper
chr17	8.2E+07	8.2E+07	*	6.377E-33	1.264E-32	0.166249	chr17_82244401_822446(	sig	hyper
chr17	8.2E+07	8.2E+07	*	1.776E-62	5.744E-62	0.183034	chr17_82247401_822476(	sig	hyper
chr17	8.2E+07	8.2E+07	*	1.37E-110	8.61E-110	0.193509	chr17_82247601_822478(	sig	hyper
chr17	8.2E+07	8.2E+07	*	1.2E-16	1.629E-16	-0.12136	chr17_82279001_822792(	sig	hypo
chr17	8.2E+07	8.2E+07	*	2.41E-280	1.39E-278	-0.23171	chr17_82297401_822976(	sig	hypo
chr17	8.2E+07	8.2E+07	*	3.009E-53	8.439E-53	-0.21164	chr17_82302401_823026(	sig	hypo
chr17	8.2E+07	8.2E+07	*	7.395E-69	2.618E-68	-0.15057	chr17_82303201_823034(	sig	hypo
chr17	8.2E+07	8.2E+07	*	1.936E-18	2.765E-18	-0.12737	chr17_82309001_823092(	sig	hypo
chr17	8.2E+07	8.2E+07	*	1.416E-29	2.625E-29	-0.17678	chr17_82311201_823114(	sig	hypo
chr17	8.2E+07	8.2E+07	*	2.759E-16	3.707E-16	-0.12284	chr17_82320601_823208(	sig	hypo
chr17	8.2E+07	8.2E+07	*	4.09E-181	6.6E-180	-0.25	chr17_82321001_823212(	sig	hypo
chr17	8.2E+07	8.2E+07	*	2.177E-30	4.101E-30	-0.16145	chr17_82321401_823216(	sig	hypo
chr17	8.2E+07	8.2E+07	*	6.536E-47	1.659E-46	-0.17731	chr17_82324601_823248(	sig	hypo
chr17	8.2E+07	8.2E+07	*	7.605E-83	3.285E-82	-0.20942	chr17_82342201_823424(	sig	hypo
chr17	8.2E+07	8.2E+07	*	8.005E-87	3.65E-86	-0.28428	chr17_82342401_823426(	sig	hypo
chr17	8.2E+07	8.2E+07	*	2.231E-34	4.559E-34	-0.15655	chr17_82342601_823428(	sig	hypo
chr17	8.2E+07	8.2E+07	*	2.168E-26	3.769E-26	0.107687	chr17_82345401_823456(	sig	hyper
chr17	8.2E+07	8.2E+07	*	4.951E-13	6.025E-13	-0.10347	chr17_82358801_823590(	sig	hypo
chr17	8.2E+07	8.2E+07	*	1.141E-46	2.883E-46	-0.13223	chr17_82387401_823876(	sig	hypo
chr17	8.2E+07	8.2E+07	*	1.311E-82	5.642E-82	-0.21649	chr17_82389001_823892(	sig	hypo
chr17	8.2E+07	8.2E+07	*	8.973E-10	9.616E-10	-0.11454	chr17_82401001_824012(	sig	hypo
chr17	8.2E+07	8.2E+07	*	1.074E-37	2.335E-37	-0.18204	chr17_82449401_824496(	sig	hypo
chr17	8.2E+07	8.2E+07	*	3.029E-26	5.246E-26	-0.1723	chr17_82449601_824498(	sig	hypo
chr17	8.2E+07	8.2E+07	*	3.095E-22	4.867E-22	-0.10982	chr17_82449801_824500(	sig	hypo
chr17	8.2E+07	8.2E+07	*	3.495E-94	1.762E-93	-0.258	chr17_82457401_824576(	sig	hypo
chr17	8.3E+07	8.3E+07	*	1.616E-55	4.706E-55	-0.2466	chr17_82577401_825776(	sig	hypo
chr17	8.3E+07	8.3E+07	*	8.561E-20	1.267E-19	-0.12302	chr17_82587401_825876(	sig	hypo
chr17	8.3E+07	8.3E+07	*	1.267E-19	1.867E-19	0.144018	chr17_82591601_825918(	sig	hyper
chr17	8.3E+07	8.3E+07	*	6.214E-51	1.678E-50	0.208772	chr17_82593801_825940(	sig	hyper
chr17	8.3E+07	8.3E+07	*	1.408E-16	1.907E-16	-0.14149	chr17_82703001_827032(	sig	hypo
chr17	8.3E+07	8.3E+07	*	3.688E-18	5.222E-18	-0.10083	chr17_82704601_827048(	sig	hypo

chr17	8.3E+07	8.3E+07	*	2.162E-30	4.072E-30	0.123559	chr17_82750601_827508(	sig	hyper
chr17	8.3E+07	8.3E+07	*	3.79E-134	3.24E-133	0.11823	chr17_82775001_827752(	sig	hyper
chr17	8.3E+07	8.3E+07	*	4.42E-136	3.86E-135	0.285034	chr17_82795201_827954(	sig	hyper
chr17	8.3E+07	8.3E+07	*	3.421E-76	1.345E-75	0.226755	chr17_82795401_827956(	sig	hyper
chr17	8.3E+07	8.3E+07	*	2.985E-19	4.358E-19	-0.1181	chr17_82795601_827958(	sig	hypo
chr17	8.3E+07	8.3E+07	*	2.965E-37	6.399E-37	0.143277	chr17_82799401_827996(	sig	hyper
chr17	8.3E+07	8.3E+07	*	1.618E-35	3.378E-35	0.110338	chr17_82799601_827998(	sig	hyper
chr17	8.3E+07	8.3E+07	*	1.093E-32	2.157E-32	0.129177	chr17_82805001_828052(	sig	hyper
chr17	8.3E+07	8.3E+07	*	7.5E-60	2.331E-59	0.153611	chr17_82830001_828302(	sig	hyper
chr17	8.3E+07	8.3E+07	*	2.586E-65	8.72E-65	-0.1846	chr17_82838801_828390(	sig	hypo
chr17	8.3E+07	8.3E+07	*	6.413E-18	9.022E-18	-0.1423	chr17_82848201_828484(	sig	hypo
chr17	8.3E+07	8.3E+07	*	2.233E-10	2.457E-10	-0.10605	chr17_82858801_828590(	sig	hypo
chr17	8.3E+07	8.3E+07	*	2.13E-164	2.74E-163	-0.25614	chr17_82875601_828758(	sig	hypo
chr17	8.3E+07	8.3E+07	*	2.565E-29	4.728E-29	-0.11036	chr17_82876201_828764(	sig	hypo
chr17	8.3E+07	8.3E+07	*	9.31E-281	5.4E-279	-0.31729	chr17_82882801_828830(	sig	hypo
chr17	8.3E+07	8.3E+07	*	7.076E-78	2.85E-77	-0.23862	chr17_82883201_828834(	sig	hypo
chr17	8.3E+07	8.3E+07	*	1.012E-77	4.065E-77	0.139554	chr17_82900801_829010(	sig	hyper
chr17	8.3E+07	8.3E+07	*	2.118E-33	4.241E-33	-0.12444	chr17_82921601_829218(	sig	hypo
chr17	8.3E+07	8.3E+07	*	7.778E-37	1.665E-36	-0.1494	chr17_82967001_829672(	sig	hypo
chr17	8.3E+07	8.3E+07	*	3.743E-70	1.35E-69	0.186139	chr17_82968001_829682(	sig	hyper
chr17	8.3E+07	8.3E+07	*	4.836E-88	2.246E-87	0.114277	chr17_83006601_830068(	sig	hyper
chr17	8.3E+07	8.3E+07	*	8.028E-53	2.236E-52	0.192242	chr17_83007001_830072(	sig	hyper
chr17	8.3E+07	8.3E+07	*	4.73E-37	1.016E-36	0.135136	chr17_83013001_830132(	sig	hyper
chr17	8.3E+07	8.3E+07	*	2.21E-178	3.44E-177	-0.28815	chr17_83014401_830146(	sig	hypo
chr17	8.3E+07	8.3E+07	*	5.388E-35	1.113E-34	-0.1349	chr17_83057601_830578(	sig	hypo
chr17	8.3E+07	8.3E+07	*	1.907E-48	4.963E-48	-0.14114	chr17_83063401_830636(	sig	hypo
chr17	8.3E+07	8.3E+07	*	5.276E-23	8.472E-23	-0.12945	chr17_83063801_830640(	sig	hypo
chr17	8.3E+07	8.3E+07	*	4.677E-57	1.395E-56	-0.21561	chr17_83075601_830758(	sig	hypo
chr17	8.3E+07	8.3E+07	*	2.715E-20	4.073E-20	-0.13895	chr17_83084801_830850(	sig	hypo
chr17	8.3E+07	8.3E+07	*	4.496E-22	7.044E-22	0.122908	chr17_83093001_830932(	sig	hyper
chr18	48601	48800	*	5.602E-25	9.416E-25	-0.12817	chr18_48601_48800	sig	hypo
chr18	73001	73200	*	3.175E-22	4.992E-22	0.108714	chr18_73001_73200	sig	hyper
chr18	73201	73400	*	2.415E-81	1.021E-80	0.165611	chr18_73201_73400	sig	hyper
chr18	76001	76200	*	2.405E-26	4.177E-26	0.129149	chr18_76001_76200	sig	hyper
chr18	500201	500400	*	6.919E-52	1.898E-51	0.172828	chr18_500201_500400	sig	hyper
chr18	501001	501200	*	1.619E-43	3.879E-43	0.164682	chr18_501001_501200	sig	hyper
chr18	904801	905000	*	8.01E-237	2.68E-235	0.282146	chr18_904801_905000	sig	hyper
chr18	905001	905200	*	1.54E-242	5.63E-241	0.30924	chr18_905001_905200	sig	hyper
chr18	909001	909200	*	4.01E-170	5.58E-169	0.335988	chr18_909001_909200	sig	hyper
chr18	2847401	2847600	*	3.845E-48	9.959E-48	0.118887	chr18_2847401_2847600	sig	hyper
chr18	2847601	2847800	*	2.02E-118	1.41E-117	0.146112	chr18_2847601_2847800	sig	hyper
chr18	4454401	4454600	*	1.453E-62	4.702E-62	0.170125	chr18_4454401_4454600	sig	hyper
chr18	5196201	5196400	*	1.913E-61	6.084E-61	0.23683	chr18_5196201_5196400	sig	hyper
chr18	5196401	5196600	*	5.526E-51	1.493E-50	0.25984	chr18_5196401_5196600	sig	hyper
chr18	5197201	5197400	*	3.834E-38	8.395E-38	0.132901	chr18_5197201_5197400	sig	hyper
chr18	5544201	5544400	*	6.14E-75	2.369E-74	0.1522	chr18_5544201_5544400	sig	hyper
chr18	5892001	5892200	*	1.139E-55	3.327E-55	-0.18397	chr18_5892001_5892200	sig	hypo
chr18	5894601	5894800	*	4.124E-28	7.419E-28	0.148828	chr18_5894601_5894800	sig	hyper
chr18	6929601	6929800	*	7.23E-130	5.83E-129	-0.35102	chr18_6929601_6929800	sig	hypo
chr18	7568801	7569000	*	2.404E-40	5.469E-40	0.109739	chr18_7568801_7569000	sig	hyper
chr18	8366801	8367000	*	2.304E-81	9.744E-81	-0.22239	chr18_8366801_8367000	sig	hypo
chr18	8662001	8662200	*	4.357E-24	7.176E-24	-0.15634	chr18_8662001_8662200	sig	hypo
chr18	8800201	8800400	*	3.808E-97	2.002E-96	0.235749	chr18_8800201_8800400	sig	hyper
chr18	9535801	9536000	*	2.63E-207	6.03E-206	0.297642	chr18_9535801_9536000	sig	hyper
chr18	9707801	9708000	*	1.56E-103	8.83E-103	0.234981	chr18_9707801_9708000	sig	hyper
chr18	9912801	9913000	*	1.994E-26	3.469E-26	-0.11118	chr18_9912801_9913000	sig	hypo

chr18	1E+07	1E+07	*	6.57E-35	1.356E-34	-0.10684	chr18_10471601_104718(	sig	hypo
chr18	1.1E+07	1.1E+07	*	3.27E-190	6E-189	-0.33902	chr18_10589001_105892(	sig	hypo
chr18	1.2E+07	1.2E+07	*	2.528E-20	3.796E-20	0.127449	chr18_11751201_117514(	sig	hyper
chr18	1.2E+07	1.2E+07	*	1.905E-91	9.269E-91	0.250593	chr18_11752001_117522(	sig	hyper
chr18	1.2E+07	1.2E+07	*	1.382E-17	1.927E-17	0.107886	chr18_11818601_118188(	sig	hyper
chr18	1.2E+07	1.2E+07	*	1.18E-23	1.924E-23	-0.14949	chr18_12092801_120930(	sig	hypo
chr18	1.2E+07	1.2E+07	*	2.64E-148	2.73E-147	0.267116	chr18_12253801_122540(	sig	hyper
chr18	1.2E+07	1.2E+07	*	7.382E-88	3.42E-87	0.250255	chr18_12254201_122544(	sig	hyper
chr18	1.2E+07	1.2E+07	*	2.135E-85	9.546E-85	0.154198	chr18_12307201_123074(	sig	hyper
chr18	1.2E+07	1.2E+07	*	8.811E-29	1.607E-28	-0.15657	chr18_12407001_124072(	sig	hypo
chr18	1.3E+07	1.3E+07	*	2.728E-66	9.323E-66	-0.19907	chr18_12701601_127018(	sig	hypo
chr18	1.3E+07	1.3E+07	*	1.334E-40	3.045E-40	0.16316	chr18_12911401_129116(	sig	hyper
chr18	1.4E+07	1.4E+07	*	1.177E-33	2.365E-33	0.158544	chr18_13611401_136116(	sig	hyper
chr18	1.4E+07	1.4E+07	*	5.242E-76	2.054E-75	0.18564	chr18_13868401_138686(	sig	hyper
chr18	1.4E+07	1.4E+07	*	5.064E-69	1.798E-68	0.209099	chr18_13868601_138688(	sig	hyper
chr18	1.5E+07	1.5E+07	*	5.24E-123	3.87E-122	0.299156	chr18_14999801_150000(	sig	hyper
chr18	1.5E+07	1.5E+07	*	5.995E-21	9.142E-21	-0.12254	chr18_15330401_153306(	sig	hypo
chr18	2.1E+07	2.1E+07	*	2.48E-237	8.41E-236	0.241755	chr18_21243001_212432(	sig	hyper
chr18	2.1E+07	2.1E+07	*	2.73E-133	2.31E-132	0.264481	chr18_21243201_212434(	sig	hyper
chr18	2.2E+07	2.2E+07	*	1.03E-56	3.055E-56	-0.2424	chr18_22173401_221736(	sig	hypo
chr18	2.2E+07	2.2E+07	*	3.704E-49	9.761E-49	-0.17806	chr18_22347001_223472(	sig	hypo
chr18	2.3E+07	2.3E+07	*	1.22E-68	4.303E-68	-0.18917	chr18_23137001_231372(	sig	hypo
chr18	2.4E+07	2.4E+07	*	2.025E-35	4.22E-35	-0.18396	chr18_23690401_236906(	sig	hypo
chr18	2.5E+07	2.5E+07	*	2.841E-53	7.974E-53	0.112867	chr18_25349201_253494(	sig	hyper
chr18	2.6E+07	2.6E+07	*	1.02E-134	8.79E-134	0.168922	chr18_26133801_261340(	sig	hyper
chr18	2.7E+07	2.7E+07	*	6.922E-75	2.67E-74	0.202322	chr18_26547201_265474(	sig	hyper
chr18	2.7E+07	2.7E+07	*	3.426E-40	7.776E-40	0.224981	chr18_26547601_265478(	sig	hyper
chr18	2.7E+07	2.7E+07	*	1.525E-60	4.788E-60	0.186284	chr18_26550801_265510(	sig	hyper
chr18	2.7E+07	2.7E+07	*	1.918E-32	3.765E-32	0.102193	chr18_26551401_265516(	sig	hyper
chr18	2.7E+07	2.7E+07	*	9.441E-51	2.544E-50	0.127319	chr18_26655601_266558(	sig	hyper
chr18	2.7E+07	2.7E+07	*	3.645E-36	7.696E-36	0.129353	chr18_26655801_266560(	sig	hyper
chr18	2.8E+07	2.8E+07	*	1.97E-170	2.77E-169	0.188991	chr18_28177401_281776(	sig	hyper
chr18	3.1E+07	3.1E+07	*	5.036E-46	1.257E-45	0.161283	chr18_31042201_310424(	sig	hyper
chr18	3.2E+07	3.2E+07	*	7.098E-31	1.351E-30	0.148222	chr18_31724401_317246(	sig	hyper
chr18	3.3E+07	3.3E+07	*	2.418E-77	9.666E-77	0.288693	chr18_33440801_334410(	sig	hyper
chr18	3.4E+07	3.4E+07	*	1.051E-55	3.072E-55	0.147512	chr18_34223001_342232(	sig	hyper
chr18	3.4E+07	3.4E+07	*	3.576E-78	1.447E-77	0.121738	chr18_34224601_342248(	sig	hyper
chr18	3.4E+07	3.4E+07	*	7.765E-39	1.72E-38	0.188922	chr18_34494401_344946(	sig	hyper
chr18	3.6E+07	3.6E+07	*	1.287E-42	3.043E-42	0.15146	chr18_35950401_359506(	sig	hyper
chr18	3.7E+07	3.7E+07	*	1.728E-30	3.262E-30	-0.13968	chr18_37247001_372472(	sig	hypo
chr18	3.7E+07	3.7E+07	*	8.564E-64	2.83E-63	0.240912	chr18_37274201_372744(	sig	hyper
chr18	3.7E+07	3.7E+07	*	6.511E-25	1.093E-24	0.194796	chr18_37484801_374850(	sig	hyper
chr18	3.8E+07	3.8E+07	*	4.91E-148	5.07E-147	0.205608	chr18_37567201_375674(	sig	hyper
chr18	3.8E+07	3.8E+07	*	2.045E-71	7.508E-71	0.214121	chr18_37567401_375676(	sig	hyper
chr18	4.5E+07	4.5E+07	*	6.063E-71	2.211E-70	0.289233	chr18_44744601_447448(	sig	hyper
chr18	4.6E+07	4.6E+07	*	1.844E-93	9.195E-93	0.208587	chr18_45775601_457758(	sig	hyper
chr18	4.6E+07	4.6E+07	*	4.274E-53	1.196E-52	0.102347	chr18_46028401_460286(	sig	hyper
chr18	4.6E+07	4.6E+07	*	8.485E-64	2.805E-63	0.180111	chr18_46072601_460728(	sig	hyper
chr18	4.6E+07	4.6E+07	*	6.38E-240	2.24E-238	0.202834	chr18_46333601_463338(	sig	hyper
chr18	4.7E+07	4.7E+07	*	1.959E-52	5.418E-52	-0.13266	chr18_46560401_465606(	sig	hypo
chr18	4.7E+07	4.7E+07	*	1.811E-11	2.077E-11	-0.10091	chr18_46657601_466578(	sig	hypo
chr18	4.7E+07	4.7E+07	*	4.668E-30	8.74E-30	-0.1089	chr18_46680001_466802(	sig	hypo
chr18	4.7E+07	4.7E+07	*	6.145E-69	2.179E-68	0.21348	chr18_46757801_467580(	sig	hyper
chr18	4.7E+07	4.7E+07	*	1.885E-62	6.088E-62	0.130014	chr18_46946801_469470(	sig	hyper
chr18	4.7E+07	4.7E+07	*	1.39E-120	9.92E-120	0.270896	chr18_47248401_472486(	sig	hyper
chr18	4.7E+07	4.7E+07	*	6.15E-117	4.21E-116	0.22609	chr18_47248601_472488(	sig	hyper

chr18	4.7E+07	4.7E+07	*	4.29E-126	3.3E-125	0.268201	chr18_47249001_472492(	sig	hyper
chr18	4.8E+07	4.8E+07	*	9.669E-44	2.327E-43	0.108676	chr18_48135801_481360(	sig	hyper
chr18	4.8E+07	4.8E+07	*	6.577E-68	2.298E-67	0.23048	chr18_48408001_484082(	sig	hyper
chr18	4.9E+07	4.9E+07	*	2.382E-76	9.384E-76	0.128633	chr18_48859801_488600(	sig	hyper
chr18	4.9E+07	4.9E+07	*	4.983E-43	1.185E-42	0.100953	chr18_48860001_488602(	sig	hyper
chr18	4.9E+07	4.9E+07	*	3.697E-30	6.936E-30	0.101093	chr18_48921201_489214(	sig	hyper
chr18	5E+07	5E+07	*	2.77E-290	1.82E-288	0.299135	chr18_50298601_502988(	sig	hyper
chr18	5.2E+07	5.2E+07	*	6E-163	7.57E-162	0.181524	chr18_52339801_523400(	sig	hyper
chr18	5.2E+07	5.2E+07	*	3.48E-77	1.388E-76	0.17952	chr18_52340001_523402(	sig	hyper
chr18	5.2E+07	5.2E+07	*	5.769E-55	1.664E-54	0.146245	chr18_52342001_523422(	sig	hyper
chr18	5.6E+07	5.6E+07	*	1.81E-106	1.07E-105	0.108897	chr18_55589801_555900(	sig	hyper
chr18	5.6E+07	5.6E+07	*	1.913E-80	7.991E-80	0.137727	chr18_55590001_555902(	sig	hyper
chr18	5.6E+07	5.6E+07	*	5.785E-38	1.263E-37	0.181143	chr18_55779801_557800(	sig	hyper
chr18	5.7E+07	5.7E+07	*	1.211E-40	2.767E-40	0.232478	chr18_57352401_573526(	sig	hyper
chr18	5.7E+07	5.7E+07	*	1.317E-42	3.112E-42	0.172867	chr18_57354201_573544(	sig	hyper
chr18	5.7E+07	5.7E+07	*	3.021E-92	1.479E-91	0.311566	chr18_57428201_574284(	sig	hyper
chr18	5.7E+07	5.7E+07	*	6.4E-110	3.98E-109	0.175745	chr18_57439001_574392(	sig	hyper
chr18	5.7E+07	5.7E+07	*	4.73E-192	8.9E-191	0.143563	chr18_57441201_574414(	sig	hyper
chr18	5.7E+07	5.7E+07	*	1.605E-43	3.846E-43	0.21161	chr18_57441401_574416(	sig	hyper
chr18	5.7E+07	5.7E+07	*	6.096E-81	2.56E-80	0.254248	chr18_57441801_574420(	sig	hyper
chr18	5.8E+07	5.8E+07	*	2.37E-109	1.46E-108	0.327403	chr18_58255401_582556(	sig	hyper
chr18	5.9E+07	5.9E+07	*	8.334E-64	2.755E-63	0.227259	chr18_59265001_592652(	sig	hyper
chr18	5.9E+07	5.9E+07	*	3.399E-84	1.494E-83	0.162267	chr18_59273001_592732(	sig	hyper
chr18	6E+07	6E+07	*	5.47E-187	9.62E-186	0.217612	chr18_59696401_596966(	sig	hyper
chr18	6E+07	6E+07	*	1.144E-19	1.687E-19	-0.10388	chr18_60010001_600102(	sig	hypo
chr18	6E+07	6E+07	*	1.711E-29	3.165E-29	-0.1525	chr18_60010201_600104(	sig	hypo
chr18	6.2E+07	6.2E+07	*	1.075E-38	2.377E-38	0.141104	chr18_61892801_618930(	sig	hyper
chr18	6.3E+07	6.3E+07	*	6.056E-67	2.088E-66	-0.27119	chr18_63476601_634768(	sig	hypo
chr18	6.3E+07	6.3E+07	*	5.569E-27	9.804E-27	-0.1527	chr18_63476801_634770(	sig	hypo
chr18	6.9E+07	6.9E+07	*	4.246E-19	6.175E-19	0.129496	chr18_69402601_694028(	sig	hyper
chr18	6.9E+07	6.9E+07	*	1.812E-31	3.486E-31	0.10714	chr18_69402801_694030(	sig	hyper
chr18	7.3E+07	7.3E+07	*	1.634E-44	3.983E-44	0.180731	chr18_72544601_725448(	sig	hyper
chr18	7.4E+07	7.4E+07	*	1.827E-34	3.74E-34	0.124816	chr18_74456201_744564(	sig	hyper
chr18	7.4E+07	7.4E+07	*	5.07E-96	2.629E-95	-0.28065	chr18_74499001_744992(	sig	hypo
chr18	7.5E+07	7.5E+07	*	5.417E-37	1.163E-36	0.144734	chr18_75125401_751256(	sig	hyper
chr18	7.5E+07	7.5E+07	*	2.492E-22	3.931E-22	0.145176	chr18_75205001_752052(	sig	hyper
chr18	7.5E+07	7.5E+07	*	2.083E-18	2.971E-18	0.106894	chr18_75205201_752054(	sig	hyper
chr18	7.5E+07	7.5E+07	*	3.88E-80	1.616E-79	0.206304	chr18_75455401_754556(	sig	hyper
chr18	7.6E+07	7.6E+07	*	7.788E-27	1.367E-26	-0.15472	chr18_76350801_763510(	sig	hypo
chr18	7.7E+07	7.7E+07	*	9.016E-50	2.396E-49	-0.27506	chr18_77056001_770562(	sig	hypo
chr18	7.7E+07	7.7E+07	*	1.317E-29	2.444E-29	0.140208	chr18_77058601_770588(	sig	hyper
chr18	7.7E+07	7.7E+07	*	2.479E-18	3.527E-18	0.111462	chr18_77088001_770882(	sig	hyper
chr18	7.7E+07	7.7E+07	*	1.425E-62	4.612E-62	-0.10782	chr18_77131201_771314(	sig	hypo
chr18	7.7E+07	7.7E+07	*	5.074E-56	1.489E-55	0.156545	chr18_77249001_772492(	sig	hyper
chr18	7.7E+07	7.7E+07	*	3.11E-191	5.81E-190	0.17272	chr18_77250001_772502(	sig	hyper
chr18	7.7E+07	7.7E+07	*	2.981E-37	6.434E-37	0.189139	chr18_77251801_772520(	sig	hyper
chr18	7.8E+07	7.8E+07	*	8.829E-68	3.079E-67	-0.27744	chr18_77979401_779796(	sig	hypo
chr18	7.8E+07	7.8E+07	*	3.73E-106	2.2E-105	0.213973	chr18_78126601_781268(	sig	hyper
chr18	7.8E+07	7.8E+07	*	2.94E-36	6.222E-36	-0.11505	chr18_78238801_782390(	sig	hypo
chr18	7.8E+07	7.8E+07	*	2.415E-76	9.513E-76	-0.11682	chr18_78313401_783136(	sig	hypo
chr18	7.9E+07	7.9E+07	*	1.909E-35	3.98E-35	-0.14193	chr18_78797201_787974(	sig	hypo
chr18	7.9E+07	7.9E+07	*	2.06E-127	1.62E-126	0.343984	chr18_78981001_789812(	sig	hyper
chr18	7.9E+07	7.9E+07	*	2.054E-67	7.128E-67	-0.13544	chr18_79022601_790228(	sig	hypo
chr18	7.9E+07	7.9E+07	*	3.664E-15	4.777E-15	-0.10072	chr18_79416401_794166(	sig	hypo
chr18	7.9E+07	7.9E+07	*	2.209E-27	3.924E-27	-0.15617	chr18_79425401_794256(	sig	hypo
chr18	7.9E+07	7.9E+07	*	4.102E-84	1.8E-83	-0.2122	chr18_79430001_794302(	sig	hypo

chr18	7.9E+07	7.9E+07	*	2.827E-72	1.049E-71	-0.18065	chr18_79436001_794362(	sig	hypo
chr18	7.9E+07	7.9E+07	*	7.16E-105	4.15E-104	-0.20073	chr18_79436201_794364(	sig	hypo
chr18	7.9E+07	7.9E+07	*	3.777E-37	8.134E-37	-0.15384	chr18_79459401_794596(	sig	hypo
chr18	7.9E+07	7.9E+07	*	2.466E-92	1.209E-91	0.209673	chr18_79480601_794808(	sig	hyper
chr18	8E+07	8E+07	*	4.519E-42	1.058E-41	-0.17211	chr18_79523401_795236(	sig	hypo
chr18	8E+07	8E+07	*	4.681E-30	8.762E-30	0.16262	chr18_79529401_795296(	sig	hyper
chr18	8E+07	8E+07	*	1.92E-102	1.07E-101	0.193681	chr18_79576001_795762(	sig	hyper
chr18	8E+07	8E+07	*	4.78E-180	7.61E-179	-0.25668	chr18_79785001_797852(	sig	hypo
chr18	8E+07	8E+07	*	6.627E-12	7.731E-12	-0.11083	chr18_79785201_797854(	sig	hypo
chr18	8E+07	8E+07	*	5.004E-40	1.131E-39	-0.14352	chr18_79792401_797926(	sig	hypo
chr18	8E+07	8E+07	*	4.483E-91	2.171E-90	0.168783	chr18_79899601_798998(	sig	hyper
chr18	8E+07	8E+07	*	4.174E-15	5.43E-15	-0.10801	chr18_79963201_799634(	sig	hypo
chr18	8E+07	8E+07	*	2.778E-50	7.435E-50	0.148013	chr18_80246201_802464(	sig	hyper
chr19	310401	310600	*	7.83E-155	8.84E-154	0.329572	chr19_310401_310600	sig	hyper
chr19	345201	345400	*	1.86E-175	2.79E-174	0.267175	chr19_345201_345400	sig	hyper
chr19	345401	345600	*	2.924E-33	5.839E-33	0.131126	chr19_345401_345600	sig	hyper
chr19	372001	372200	*	1.62E-39	3.63E-39	-0.1701	chr19_372001_372200	sig	hypo
chr19	403801	404000	*	3.932E-38	8.609E-38	-0.198	chr19_403801_404000	sig	hypo
chr19	406201	406400	*	2.699E-47	6.896E-47	-0.20334	chr19_406201_406400	sig	hypo
chr19	418801	419000	*	1.787E-47	4.581E-47	-0.10376	chr19_418801_419000	sig	hypo
chr19	419001	419200	*	1.488E-52	4.129E-52	-0.10893	chr19_419001_419200	sig	hypo
chr19	422201	422400	*	1.483E-21	2.295E-21	-0.14024	chr19_422201_422400	sig	hypo
chr19	437001	437200	*	2.783E-62	8.973E-62	-0.29098	chr19_437001_437200	sig	hypo
chr19	475001	475200	*	7.363E-27	1.293E-26	-0.15724	chr19_475001_475200	sig	hypo
chr19	475401	475600	*	1.559E-11	1.794E-11	-0.10618	chr19_475401_475600	sig	hypo
chr19	496201	496400	*	1.256E-41	2.922E-41	0.144938	chr19_496201_496400	sig	hyper
chr19	524201	524400	*	1.45E-42	3.423E-42	-0.15491	chr19_524201_524400	sig	hypo
chr19	584201	584400	*	3.411E-40	7.742E-40	0.188748	chr19_584201_584400	sig	hyper
chr19	592001	592200	*	8.182E-15	1.055E-14	-0.13571	chr19_592001_592200	sig	hypo
chr19	611401	611600	*	1.765E-24	2.932E-24	-0.14226	chr19_611401_611600	sig	hypo
chr19	617001	617200	*	1.558E-60	4.89E-60	-0.18623	chr19_617001_617200	sig	hypo
chr19	617201	617400	*	2.08E-52	5.749E-52	-0.23375	chr19_617201_617400	sig	hypo
chr19	641801	642000	*	1.926E-24	3.197E-24	-0.1567	chr19_641801_642000	sig	hypo
chr19	687001	687200	*	4.575E-27	8.069E-27	-0.13384	chr19_687001_687200	sig	hypo
chr19	695401	695600	*	2.675E-53	7.513E-53	-0.20029	chr19_695401_695600	sig	hypo
chr19	708601	708800	*	2.469E-86	1.118E-85	0.277184	chr19_708601_708800	sig	hyper
chr19	728001	728200	*	3.674E-44	8.905E-44	-0.18443	chr19_728001_728200	sig	hypo
chr19	731001	731200	*	1.374E-15	1.812E-15	-0.13992	chr19_731001_731200	sig	hypo
chr19	750601	750800	*	9.453E-22	1.47E-21	-0.15539	chr19_750601_750800	sig	hypo
chr19	755201	755400	*	6.095E-42	1.424E-41	-0.22232	chr19_755201_755400	sig	hypo
chr19	795401	795600	*	1.119E-33	2.25E-33	0.14293	chr19_795401_795600	sig	hyper
chr19	802801	803000	*	5.792E-57	1.725E-56	0.242119	chr19_802801_803000	sig	hyper
chr19	814801	815000	*	3.004E-20	4.502E-20	-0.11205	chr19_814801_815000	sig	hypo
chr19	815001	815200	*	1.331E-28	2.418E-28	-0.18207	chr19_815001_815200	sig	hypo
chr19	841001	841200	*	1.963E-83	8.536E-83	-0.30143	chr19_841001_841200	sig	hypo
chr19	847801	848000	*	3.921E-34	7.967E-34	0.125368	chr19_847801_848000	sig	hyper
chr19	856001	856200	*	7.374E-90	3.51E-89	-0.29771	chr19_856001_856200	sig	hypo
chr19	871001	871200	*	1.61E-160	1.96E-159	0.225261	chr19_871001_871200	sig	hyper
chr19	932601	932800	*	2.307E-35	4.801E-35	-0.16595	chr19_932601_932800	sig	hypo
chr19	932801	933000	*	8.163E-49	2.138E-48	-0.17946	chr19_932801_933000	sig	hypo
chr19	935201	935400	*	4.353E-22	6.822E-22	0.103938	chr19_935201_935400	sig	hyper
chr19	937401	937600	*	1.493E-21	2.311E-21	-0.11689	chr19_937401_937600	sig	hypo
chr19	940601	940800	*	2.89E-107	1.74E-106	-0.17953	chr19_940601_940800	sig	hypo
chr19	941001	941200	*	6.4E-182	1.04E-180	-0.14638	chr19_941001_941200	sig	hypo
chr19	941201	941400	*	2.21E-93	1.1E-92	-0.13316	chr19_941201_941400	sig	hypo
chr19	941801	942000	*	2.851E-36	6.036E-36	0.185346	chr19_941801_942000	sig	hyper

chr19	951601	951800	*	1.619E-21	2.502E-21	-0.1383	chr19_951601_951800	sig	hypo
chr19	1005001	1005200	*	7.712E-73	2.881E-72	-0.2577	chr19_1005001_1005200	sig	hypo
chr19	1005201	1005400	*	4.2E-127	3.28E-126	-0.20504	chr19_1005201_1005400	sig	hypo
chr19	1005401	1005600	*	1.591E-32	3.129E-32	-0.13799	chr19_1005401_1005600	sig	hypo
chr19	1009201	1009400	*	2.312E-46	5.814E-46	0.251801	chr19_1009201_1009400	sig	hyper
chr19	1009601	1009800	*	3.331E-83	1.445E-82	0.175748	chr19_1009601_1009800	sig	hyper
chr19	1009801	1010000	*	1.621E-37	3.515E-37	0.122219	chr19_1009801_1010000	sig	hyper
chr19	1064001	1064200	*	1.318E-25	2.248E-25	-0.13723	chr19_1064001_1064200	sig	hypo
chr19	1064201	1064400	*	2.423E-39	5.413E-39	-0.19291	chr19_1064201_1064400	sig	hypo
chr19	1071001	1071200	*	2.717E-64	9.04E-64	0.16872	chr19_1071001_1071200	sig	hyper
chr19	1075001	1075200	*	2.56E-106	1.52E-105	-0.2992	chr19_1075001_1075200	sig	hypo
chr19	1077201	1077400	*	3.7E-161	4.56E-160	-0.23976	chr19_1077201_1077400	sig	hypo
chr19	1084201	1084400	*	1.011E-39	2.273E-39	-0.1485	chr19_1084201_1084400	sig	hypo
chr19	1113201	1113400	*	1.441E-20	2.177E-20	0.107027	chr19_1113201_1113400	sig	hyper
chr19	1130801	1131000	*	2E-136	1.76E-135	-0.2512	chr19_1130801_1131000	sig	hypo
chr19	1132801	1133000	*	1.608E-53	4.532E-53	-0.15221	chr19_1132801_1133000	sig	hypo
chr19	1177401	1177600	*	1.097E-52	3.051E-52	-0.25295	chr19_1177401_1177600	sig	hypo
chr19	1177601	1177800	*	6.849E-96	3.543E-95	-0.31936	chr19_1177601_1177800	sig	hypo
chr19	1218401	1218600	*	6.263E-21	9.547E-21	0.145189	chr19_1218401_1218600	sig	hyper
chr19	1231201	1231400	*	1.021E-20	1.548E-20	0.125119	chr19_1231201_1231400	sig	hyper
chr19	1238401	1238600	*	6.062E-21	9.243E-21	0.126368	chr19_1238401_1238600	sig	hyper
chr19	1254001	1254200	*	5.1E-77	2.03E-76	0.226704	chr19_1254001_1254200	sig	hyper
chr19	1254201	1254400	*	1.035E-85	4.643E-85	0.187303	chr19_1254201_1254400	sig	hyper
chr19	1271201	1271400	*	1.34E-120	9.6E-120	0.27598	chr19_1271201_1271400	sig	hyper
chr19	1272801	1273000	*	4.4E-139	4E-138	0.253884	chr19_1272801_1273000	sig	hyper
chr19	1290401	1290600	*	6.196E-32	1.203E-31	-0.10617	chr19_1290401_1290600	sig	hypo
chr19	1295601	1295800	*	4.12E-155	4.68E-154	0.298568	chr19_1295601_1295800	sig	hyper
chr19	1302601	1302800	*	1.087E-63	3.584E-63	0.139733	chr19_1302601_1302800	sig	hyper
chr19	1356201	1356400	*	2.778E-84	1.224E-83	0.168737	chr19_1356201_1356400	sig	hyper
chr19	1395201	1395400	*	3.412E-44	8.273E-44	0.121651	chr19_1395201_1395400	sig	hyper
chr19	1399001	1399200	*	8.412E-57	2.499E-56	-0.24714	chr19_1399001_1399200	sig	hypo
chr19	1399201	1399400	*	3.154E-47	8.052E-47	-0.19863	chr19_1399201_1399400	sig	hypo
chr19	1401201	1401400	*	2.33E-109	1.44E-108	0.112307	chr19_1401201_1401400	sig	hyper
chr19	1424801	1425000	*	2.26E-22	3.569E-22	-0.14936	chr19_1424801_1425000	sig	hypo
chr19	1440201	1440400	*	3.566E-55	1.032E-54	-0.16345	chr19_1440201_1440400	sig	hypo
chr19	1444801	1445000	*	6.565E-47	1.667E-46	0.211783	chr19_1444801_1445000	sig	hyper
chr19	1450401	1450600	*	3.955E-23	6.37E-23	0.131552	chr19_1450401_1450600	sig	hyper
chr19	1465201	1465400	*	1.971E-25	3.346E-25	0.15936	chr19_1465201_1465400	sig	hyper
chr19	1465401	1465600	*	5.716E-53	1.597E-52	0.278726	chr19_1465401_1465600	sig	hyper
chr19	1466401	1466600	*	3.79E-49	9.987E-49	0.193815	chr19_1466401_1466600	sig	hyper
chr19	1467001	1467200	*	0	0	0.38048	chr19_1467001_1467200	sig	hyper
chr19	1468401	1468600	*	1.96E-188	3.5E-187	0.251529	chr19_1468401_1468600	sig	hyper
chr19	1496401	1496600	*	3.014E-54	8.601E-54	-0.15358	chr19_1496401_1496600	sig	hypo
chr19	1503201	1503400	*	1.467E-30	2.774E-30	0.12414	chr19_1503201_1503400	sig	hyper
chr19	1523001	1523200	*	1.165E-59	3.606E-59	-0.24471	chr19_1523001_1523200	sig	hypo
chr19	1525601	1525800	*	2.706E-18	3.845E-18	-0.18248	chr19_1525601_1525800	sig	hypo
chr19	1526401	1526600	*	3.249E-80	1.355E-79	-0.21545	chr19_1526401_1526600	sig	hypo
chr19	1734401	1734600	*	7.231E-17	9.876E-17	0.13608	chr19_1734401_1734600	sig	hyper
chr19	1754601	1754800	*	4.354E-84	1.91E-83	0.142322	chr19_1754601_1754800	sig	hyper
chr19	1758401	1758600	*	1.653E-45	4.089E-45	0.142075	chr19_1758401_1758600	sig	hyper
chr19	1762401	1762600	*	7.916E-70	2.843E-69	0.245132	chr19_1762401_1762600	sig	hyper
chr19	1763801	1764000	*	5.493E-15	7.117E-15	0.158184	chr19_1763801_1764000	sig	hyper
chr19	1766201	1766400	*	1.962E-70	7.103E-70	0.178414	chr19_1766201_1766400	sig	hyper
chr19	1775201	1775400	*	2.12E-304	1.65E-302	0.356266	chr19_1775201_1775400	sig	hyper
chr19	1799801	1800000	*	2.848E-14	3.603E-14	-0.10716	chr19_1799801_1800000	sig	hypo
chr19	1876601	1876800	*	3.16E-111	2.01E-110	0.288714	chr19_1876601_1876800	sig	hyper

chr19	1907601	1907800	*	2.01E-116	1.36E-115	-0.30769	chr19_1907601_1907800	sig	hypo
chr19	1907801	1908000	*	5.275E-80	2.193E-79	-0.25842	chr19_1907801_1908000	sig	hypo
chr19	1908001	1908200	*	1.42E-139	1.31E-138	-0.23733	chr19_1908001_1908200	sig	hypo
chr19	1908201	1908400	*	4.11E-282	2.42E-280	-0.29046	chr19_1908201_1908400	sig	hypo
chr19	1908401	1908600	*	2.409E-79	9.923E-79	-0.27622	chr19_1908401_1908600	sig	hypo
chr19	1946001	1946200	*	3.482E-33	6.945E-33	0.186299	chr19_1946001_1946200	sig	hyper
chr19	1975201	1975400	*	1.921E-19	2.818E-19	0.108118	chr19_1975201_1975400	sig	hyper
chr19	1993001	1993200	*	3.88E-252	1.59E-250	-0.2825	chr19_1993001_1993200	sig	hypo
chr19	2016401	2016600	*	7.907E-43	1.874E-42	0.121579	chr19_2016401_2016600	sig	hyper
chr19	2085401	2085600	*	7.475E-15	9.644E-15	-0.13159	chr19_2085401_2085600	sig	hypo
chr19	2095401	2095600	*	3.886E-24	6.406E-24	-0.11406	chr19_2095401_2095600	sig	hypo
chr19	2213801	2214000	*	2.34E-24	3.875E-24	0.136319	chr19_2213801_2214000	sig	hyper
chr19	2215601	2215800	*	4.535E-37	9.75E-37	0.117593	chr19_2215601_2215800	sig	hyper
chr19	2241001	2241200	*	3.558E-32	6.947E-32	-0.19061	chr19_2241001_2241200	sig	hypo
chr19	2242001	2242200	*	2.962E-57	8.872E-57	-0.23965	chr19_2242001_2242200	sig	hypo
chr19	2244201	2244400	*	7.686E-16	1.021E-15	-0.11682	chr19_2244201_2244400	sig	hypo
chr19	2250801	2251000	*	1.602E-94	8.122E-94	0.118393	chr19_2250801_2251000	sig	hyper
chr19	2251601	2251800	*	1.5E-144	1.47E-143	0.116997	chr19_2251601_2251800	sig	hyper
chr19	2251801	2252000	*	2.76E-101	1.52E-100	0.256627	chr19_2251801_2252000	sig	hyper
chr19	2253401	2253600	*	1.08E-80	4.518E-80	0.211632	chr19_2253401_2253600	sig	hyper
chr19	2273001	2273200	*	1.339E-25	2.284E-25	-0.12917	chr19_2273001_2273200	sig	hypo
chr19	2273201	2273400	*	1.299E-51	3.548E-51	-0.22588	chr19_2273201_2273400	sig	hypo
chr19	2278601	2278800	*	4.412E-84	1.935E-83	-0.27874	chr19_2278601_2278800	sig	hypo
chr19	2290801	2291000	*	5.61E-271	2.94E-269	0.186451	chr19_2290801_2291000	sig	hyper
chr19	2291401	2291600	*	1.281E-70	4.648E-70	0.183295	chr19_2291401_2291600	sig	hyper
chr19	2295001	2295200	*	7.687E-31	1.462E-30	0.158639	chr19_2295001_2295200	sig	hyper
chr19	2302801	2303000	*	2.361E-21	3.633E-21	0.126008	chr19_2302801_2303000	sig	hyper
chr19	2332401	2332600	*	4.132E-48	1.07E-47	-0.18633	chr19_2332401_2332600	sig	hypo
chr19	2358601	2358800	*	2.93E-108	1.78E-107	-0.30826	chr19_2358601_2358800	sig	hypo
chr19	2424801	2425000	*	3.62E-107	2.17E-106	0.323812	chr19_2424801_2425000	sig	hyper
chr19	2428201	2428400	*	1.005E-79	4.16E-79	0.200581	chr19_2428201_2428400	sig	hyper
chr19	2428401	2428600	*	4.65E-104	2.66E-103	0.185952	chr19_2428401_2428600	sig	hyper
chr19	2428601	2428800	*	5.81E-57	1.73E-56	0.166703	chr19_2428601_2428800	sig	hyper
chr19	2491201	2491400	*	9.95E-134	8.46E-133	-0.32289	chr19_2491201_2491400	sig	hypo
chr19	2511601	2511800	*	1.064E-69	3.812E-69	-0.21415	chr19_2511601_2511800	sig	hypo
chr19	2513201	2513400	*	3.776E-55	1.092E-54	-0.19332	chr19_2513201_2513400	sig	hypo
chr19	2513401	2513600	*	2.962E-91	1.438E-90	-0.26071	chr19_2513401_2513600	sig	hypo
chr19	2513601	2513800	*	8.495E-95	4.327E-94	-0.21666	chr19_2513601_2513800	sig	hypo
chr19	2525201	2525400	*	1.043E-39	2.343E-39	-0.11011	chr19_2525201_2525400	sig	hypo
chr19	2525401	2525600	*	2.348E-30	4.419E-30	-0.14755	chr19_2525401_2525600	sig	hypo
chr19	2541001	2541200	*	6.4E-48	1.651E-47	0.114955	chr19_2541001_2541200	sig	hyper
chr19	2546601	2546800	*	2.348E-19	3.437E-19	-0.12057	chr19_2546601_2546800	sig	hypo
chr19	2546801	2547000	*	1.54E-118	1.08E-117	-0.20109	chr19_2546801_2547000	sig	hypo
chr19	2588401	2588600	*	7.38E-113	4.8E-112	-0.18688	chr19_2588401_2588600	sig	hypo
chr19	2602601	2602800	*	9.177E-31	1.742E-30	0.135695	chr19_2602601_2602800	sig	hyper
chr19	2607801	2608000	*	6.66E-297	4.73E-295	-0.28425	chr19_2607801_2608000	sig	hypo
chr19	2724001	2724200	*	2.384E-08	2.396E-08	-0.12133	chr19_2724001_2724200	sig	hypo
chr19	2770401	2770600	*	3.293E-14	4.162E-14	0.11472	chr19_2770401_2770600	sig	hyper
chr19	2772001	2772200	*	1.214E-70	4.407E-70	0.239651	chr19_2772001_2772200	sig	hyper
chr19	2811601	2811800	*	3.27E-27	5.785E-27	-0.15198	chr19_2811601_2811800	sig	hypo
chr19	2817201	2817400	*	1.304E-27	2.326E-27	0.111655	chr19_2817201_2817400	sig	hyper
chr19	2867201	2867400	*	4.611E-48	1.193E-47	-0.17669	chr19_2867201_2867400	sig	hypo
chr19	2889201	2889400	*	1.168E-14	1.497E-14	-0.1166	chr19_2889201_2889400	sig	hypo
chr19	3025201	3025400	*	1.893E-95	9.73E-95	-0.28944	chr19_3025201_3025400	sig	hypo
chr19	3050601	3050800	*	1.196E-30	2.266E-30	-0.14755	chr19_3050601_3050800	sig	hypo
chr19	3097601	3097800	*	6.466E-50	1.722E-49	0.179343	chr19_3097601_3097800	sig	hyper

chr19	3133401	3133600	*	1.025E-54	2.948E-54	-0.25036	chr19_3133401_3133600	sig	hypo
chr19	3136401	3136600	*	3.14E-169	4.31E-168	-0.27076	chr19_3136401_3136600	sig	hypo
chr19	3162801	3163000	*	9.644E-22	1.499E-21	-0.10051	chr19_3162801_3163000	sig	hypo
chr19	3163601	3163800	*	1.408E-54	4.039E-54	0.230985	chr19_3163601_3163800	sig	hyper
chr19	3178601	3178800	*	4.64E-123	3.43E-122	-0.36295	chr19_3178601_3178800	sig	hypo
chr19	3178801	3179000	*	6.6E-189	1.2E-187	-0.2528	chr19_3178801_3179000	sig	hypo
chr19	3179401	3179600	*	1.387E-57	4.171E-57	-0.26409	chr19_3179401_3179600	sig	hypo
chr19	3179601	3179800	*	1.61E-99	8.66E-99	-0.24354	chr19_3179601_3179800	sig	hypo
chr19	3179801	3180000	*	1.221E-88	5.73E-88	-0.17521	chr19_3179801_3180000	sig	hypo
chr19	3180001	3180200	*	1.599E-45	3.957E-45	-0.20761	chr19_3180001_3180200	sig	hypo
chr19	3180601	3180800	*	1.778E-20	2.678E-20	-0.13348	chr19_3180601_3180800	sig	hypo
chr19	3187801	3188000	*	1.296E-31	2.502E-31	-0.13336	chr19_3187801_3188000	sig	hypo
chr19	3189401	3189600	*	4.888E-65	1.642E-64	-0.22563	chr19_3189401_3189600	sig	hypo
chr19	3290201	3290400	*	7.344E-25	1.232E-24	-0.19694	chr19_3290201_3290400	sig	hypo
chr19	3358001	3358200	*	1.84E-37	3.986E-37	0.159468	chr19_3358001_3358200	sig	hyper
chr19	3369401	3369600	*	1.958E-43	4.685E-43	0.26475	chr19_3369401_3369600	sig	hyper
chr19	3369601	3369800	*	1.94E-118	1.35E-117	0.275017	chr19_3369601_3369800	sig	hyper
chr19	3369801	3370000	*	3.89E-111	2.47E-110	0.321542	chr19_3369801_3370000	sig	hyper
chr19	3398801	3399000	*	4.82E-214	1.22E-212	0.388693	chr19_3398801_3399000	sig	hyper
chr19	3465601	3465800	*	3.265E-16	4.375E-16	0.110178	chr19_3465601_3465800	sig	hyper
chr19	3482601	3482800	*	3.574E-47	9.119E-47	-0.15312	chr19_3482601_3482800	sig	hypo
chr19	3507801	3508000	*	1.169E-71	4.304E-71	0.178369	chr19_3507801_3508000	sig	hyper
chr19	3586801	3587000	*	6.048E-48	1.561E-47	0.135106	chr19_3586801_3587000	sig	hyper
chr19	3721201	3721400	*	2.818E-24	4.656E-24	-0.14349	chr19_3721201_3721400	sig	hypo
chr19	3748001	3748200	*	4.52E-20	6.744E-20	0.110469	chr19_3748001_3748200	sig	hyper
chr19	3785801	3786000	*	5.29E-172	7.57E-171	0.248313	chr19_3785801_3786000	sig	hyper
chr19	3786601	3786800	*	9.337E-12	1.083E-11	0.114588	chr19_3786601_3786800	sig	hyper
chr19	3801601	3801800	*	9.62E-193	1.83E-191	0.239333	chr19_3801601_3801800	sig	hyper
chr19	3801801	3802000	*	5.143E-59	1.577E-58	0.129086	chr19_3801801_3802000	sig	hyper
chr19	3821201	3821400	*	1.06E-140	9.85E-140	-0.30037	chr19_3821201_3821400	sig	hypo
chr19	3825601	3825800	*	2.551E-15	3.339E-15	-0.12913	chr19_3825601_3825800	sig	hypo
chr19	3879801	3880000	*	5.984E-43	1.421E-42	-0.18374	chr19_3879801_3880000	sig	hypo
chr19	3881001	3881200	*	1.31E-107	7.89E-107	0.254042	chr19_3881001_3881200	sig	hyper
chr19	3881201	3881400	*	5.03E-179	7.9E-178	0.312602	chr19_3881201_3881400	sig	hyper
chr19	3964801	3965000	*	1.2E-115	8.1E-115	0.14742	chr19_3964801_3965000	sig	hyper
chr19	3969601	3969800	*	4.36E-16	5.817E-16	0.110462	chr19_3969601_3969800	sig	hyper
chr19	4171601	4171800	*	3.977E-13	4.853E-13	-0.14642	chr19_4171601_4171800	sig	hypo
chr19	4180801	4181000	*	2.143E-12	2.547E-12	-0.11878	chr19_4180801_4181000	sig	hypo
chr19	4303801	4304000	*	1.796E-10	1.984E-10	-0.10509	chr19_4303801_4304000	sig	hypo
chr19	4323001	4323200	*	6.197E-34	1.253E-33	-0.14323	chr19_4323001_4323200	sig	hypo
chr19	4327001	4327200	*	7.959E-25	1.334E-24	0.223095	chr19_4327001_4327200	sig	hyper
chr19	4328601	4328800	*	1.788E-24	2.97E-24	0.106668	chr19_4328601_4328800	sig	hyper
chr19	4455001	4455200	*	9.559E-30	1.779E-29	0.211677	chr19_4455001_4455200	sig	hyper
chr19	4523601	4523800	*	9.727E-09	9.959E-09	-0.1132	chr19_4523601_4523800	sig	hypo
chr19	4531601	4531800	*	7.07E-289	4.52E-287	-0.2608	chr19_4531601_4531800	sig	hypo
chr19	4531801	4532000	*	2.43E-72	9.023E-72	-0.19344	chr19_4531801_4532000	sig	hypo
chr19	4548201	4548400	*	4.362E-40	9.875E-40	-0.21163	chr19_4548201_4548400	sig	hypo
chr19	4552401	4552600	*	7.79E-157	9.03E-156	-0.23968	chr19_4552401_4552600	sig	hypo
chr19	4552601	4552800	*	1.752E-68	6.162E-68	-0.21861	chr19_4552601_4552800	sig	hypo
chr19	4555801	4556000	*	0	0	-0.53142	chr19_4555801_4556000	sig	hypo
chr19	4556001	4556200	*	4.55E-299	3.29E-297	-0.5755	chr19_4556001_4556200	sig	hypo
chr19	4566401	4566600	*	3.88E-118	2.69E-117	-0.26581	chr19_4566401_4566600	sig	hypo
chr19	4648201	4648400	*	3.861E-29	7.094E-29	0.203084	chr19_4648201_4648400	sig	hyper
chr19	4891201	4891400	*	4.688E-59	1.439E-58	-0.14399	chr19_4891201_4891400	sig	hypo
chr19	4911001	4911200	*	6.924E-32	1.344E-31	-0.17197	chr19_4911001_4911200	sig	hypo
chr19	4912201	4912400	*	1.669E-23	2.71E-23	0.12331	chr19_4912201_4912400	sig	hyper

chr19	4916401	4916600	*	5.663E-25	9.517E-25	-0.18653	chr19_4916401_4916600	sig	hypo
chr19	4916601	4916800	*	5.952E-26	1.025E-25	-0.16288	chr19_4916601_4916800	sig	hypo
chr19	5036801	5037000	*	1.04E-148	1.09E-147	0.241885	chr19_5036801_5037000	sig	hyper
chr19	5037001	5037200	*	1.44E-253	5.98E-252	0.283749	chr19_5037001_5037200	sig	hyper
chr19	5245801	5246000	*	6.85E-100	3.72E-99	-0.21279	chr19_5245801_5246000	sig	hypo
chr19	5250401	5250600	*	6.05E-109	3.72E-108	-0.27244	chr19_5250401_5250600	sig	hypo
chr19	5290401	5290600	*	5.231E-43	1.243E-42	-0.15654	chr19_5290401_5290600	sig	hypo
chr19	5294001	5294200	*	1.16E-305	9.08E-304	0.309224	chr19_5294001_5294200	sig	hyper
chr19	5340401	5340600	*	4.3E-30	8.055E-30	0.118846	chr19_5340401_5340600	sig	hyper
chr19	5536801	5537000	*	1.134E-28	2.063E-28	0.172755	chr19_5536801_5537000	sig	hyper
chr19	5691801	5692000	*	8.508E-23	1.358E-22	-0.12026	chr19_5691801_5692000	sig	hypo
chr19	5799201	5799400	*	1.09E-170	1.54E-169	-0.2785	chr19_5799201_5799400	sig	hypo
chr19	5822201	5822400	*	1.127E-40	2.576E-40	0.122669	chr19_5822201_5822400	sig	hyper
chr19	5822401	5822600	*	1.756E-50	4.714E-50	0.139517	chr19_5822401_5822600	sig	hyper
chr19	5838601	5838800	*	7.623E-70	2.738E-69	-0.21168	chr19_5838601_5838800	sig	hypo
chr19	5913801	5914000	*	4.989E-17	6.842E-17	0.108406	chr19_5913801_5914000	sig	hyper
chr19	5914601	5914800	*	3.641E-37	7.847E-37	0.174341	chr19_5914601_5914800	sig	hyper
chr19	5915001	5915200	*	6.56E-133	5.52E-132	0.217432	chr19_5915001_5915200	sig	hyper
chr19	6111401	6111600	*	4.961E-43	1.18E-42	-0.1989	chr19_6111401_6111600	sig	hypo
chr19	6199001	6199200	*	2.536E-18	3.607E-18	0.118737	chr19_6199001_6199200	sig	hyper
chr19	6199201	6199400	*	1.15E-104	6.63E-104	0.120481	chr19_6199201_6199400	sig	hyper
chr19	6271801	6272000	*	4.47E-78	1.806E-77	0.360467	chr19_6271801_6272000	sig	hyper
chr19	6475401	6475600	*	3.53E-14	4.458E-14	0.110003	chr19_6475401_6475600	sig	hyper
chr19	6475801	6476000	*	2.743E-55	7.956E-55	0.177908	chr19_6475801_6476000	sig	hyper
chr19	6534801	6535000	*	1.688E-82	7.251E-82	0.215975	chr19_6534801_6535000	sig	hyper
chr19	6658201	6658400	*	2.75E-18	3.906E-18	-0.12101	chr19_6658201_6658400	sig	hypo
chr19	6659801	6660000	*	4.78E-201	1.02E-199	0.396645	chr19_6659801_6660000	sig	hyper
chr19	6670001	6670200	*	5.93E-159	7.06E-158	-0.35967	chr19_6670001_6670200	sig	hypo
chr19	6712401	6712600	*	3.307E-45	8.143E-45	-0.15482	chr19_6712401_6712600	sig	hypo
chr19	6713401	6713600	*	2.411E-21	3.71E-21	-0.10132	chr19_6713401_6713600	sig	hypo
chr19	6744801	6745000	*	1.251E-76	4.953E-76	0.228569	chr19_6744801_6745000	sig	hyper
chr19	7515201	7515400	*	2.72E-185	4.65E-184	0.269363	chr19_7515201_7515400	sig	hyper
chr19	7533401	7533600	*	8.781E-45	2.15E-44	0.182145	chr19_7533401_7533600	sig	hyper
chr19	7533601	7533800	*	4.309E-37	9.27E-37	0.151586	chr19_7533601_7533800	sig	hyper
chr19	7676801	7677000	*	4.71E-121	3.38E-120	-0.26128	chr19_7676801_7677000	sig	hypo
chr19	7682001	7682200	*	1.022E-45	2.536E-45	0.152102	chr19_7682001_7682200	sig	hyper
chr19	7682201	7682400	*	1.053E-36	2.248E-36	0.272537	chr19_7682201_7682400	sig	hyper
chr19	7873601	7873800	*	1.01E-174	1.5E-173	0.301571	chr19_7873601_7873800	sig	hyper
chr19	7880001	7880200	*	6.338E-86	2.853E-85	-0.30761	chr19_7880001_7880200	sig	hypo
chr19	7924801	7925000	*	4.473E-57	1.335E-56	0.274227	chr19_7924801_7925000	sig	hyper
chr19	7931801	7932000	*	2.282E-46	5.738E-46	0.167626	chr19_7931801_7932000	sig	hyper
chr19	8210001	8210200	*	2.672E-56	7.886E-56	0.321951	chr19_8210001_8210200	sig	hyper
chr19	8210201	8210400	*	1.856E-60	5.823E-60	0.26255	chr19_8210201_8210400	sig	hyper
chr19	8515401	8515600	*	2.33E-16	3.138E-16	-0.1302	chr19_8515401_8515600	sig	hypo
chr19	8526801	8527000	*	3.318E-57	9.929E-57	0.144016	chr19_8526801_8527000	sig	hyper
chr19	8592401	8592600	*	8.41E-147	8.52E-146	0.143294	chr19_8592401_8592600	sig	hyper
chr19	8592601	8592800	*	3.068E-81	1.294E-80	0.229823	chr19_8592601_8592800	sig	hyper
chr19	8698201	8698400	*	1.527E-23	2.481E-23	0.192644	chr19_8698201_8698400	sig	hyper
chr19	8698401	8698600	*	2.921E-27	5.172E-27	0.189802	chr19_8698401_8698600	sig	hyper
chr19	9362801	9363000	*	2.511E-94	1.27E-93	0.24979	chr19_9362801_9363000	sig	hyper
chr19	9498201	9498400	*	5.28E-161	6.49E-160	0.336026	chr19_9498201_9498400	sig	hyper
chr19	9498401	9498600	*	3.6E-134	3.07E-133	0.302172	chr19_9498401_9498600	sig	hyper
chr19	9498601	9498800	*	5.82E-158	6.83E-157	0.260945	chr19_9498601_9498800	sig	hyper
chr19	9538201	9538400	*	2.707E-79	1.114E-78	0.125915	chr19_9538201_9538400	sig	hyper
chr19	9970601	9970800	*	5.517E-25	9.276E-25	-0.16789	chr19_9970601_9970800	sig	hypo
chr19	1E+07	1E+07	*	4.617E-19	6.708E-19	-0.10944	chr19_10013401_100136(	sig	hypo

chr19	1E+07	1E+07	*	3.845E-29	7.065E-29	-0.15655	chr19_10143801_101440(	sig	hypo
chr19	1E+07	1E+07	*	1.754E-48	4.569E-48	0.156552	chr19_10230001_102302(	sig	hyper
chr19	1E+07	1E+07	*	1.188E-86	5.404E-86	0.104782	chr19_10287001_102872(	sig	hyper
chr19	1E+07	1E+07	*	8.629E-56	2.525E-55	0.188312	chr19_10287401_102876(	sig	hyper
chr19	1E+07	1E+07	*	2.743E-58	8.32E-58	0.115382	chr19_10290001_102902(	sig	hyper
chr19	1E+07	1E+07	*	1.05E-161	1.31E-160	0.265938	chr19_10294401_102946(	sig	hyper
chr19	1E+07	1E+07	*	4.721E-21	7.214E-21	0.119781	chr19_10354201_103544(	sig	hyper
chr19	1.1E+07	1.1E+07	*	6.848E-90	3.262E-89	0.244304	chr19_10514001_105142(	sig	hyper
chr19	1.1E+07	1.1E+07	*	1.454E-57	4.374E-57	0.17368	chr19_10514801_105150(	sig	hyper
chr19	1.1E+07	1.1E+07	*	3.816E-36	8.05E-36	0.146809	chr19_10581201_105814(	sig	hyper
chr19	1.1E+07	1.1E+07	*	8.48E-23	1.353E-22	0.117145	chr19_10625201_106254(	sig	hyper
chr19	1.1E+07	1.1E+07	*	8.979E-27	1.574E-26	0.109035	chr19_10636401_106366(	sig	hyper
chr19	1.1E+07	1.1E+07	*	1.2E-101	6.65E-101	-0.22034	chr19_10713001_107132(	sig	hypo
chr19	1.1E+07	1.1E+07	*	6.1E-161	7.49E-160	0.277834	chr19_10817801_108180(	sig	hyper
chr19	1.1E+07	1.1E+07	*	9.043E-22	1.408E-21	-0.19223	chr19_10963601_109638(	sig	hypo
chr19	1.1E+07	1.1E+07	*	2.033E-52	5.62E-52	0.136388	chr19_11208601_112088(	sig	hyper
chr19	1.1E+07	1.1E+07	*	2.005E-12	2.385E-12	0.108045	chr19_11243201_112434(	sig	hyper
chr19	1.1E+07	1.1E+07	*	4.22E-31	8.067E-31	0.169672	chr19_11243601_112438(	sig	hyper
chr19	1.1E+07	1.1E+07	*	1.665E-26	2.903E-26	-0.11478	chr19_11337201_113374(	sig	hypo
chr19	1.1E+07	1.1E+07	*	8.569E-45	2.098E-44	-0.17007	chr19_11361201_113614(	sig	hypo
chr19	1.1E+07	1.1E+07	*	9.207E-40	2.071E-39	-0.13655	chr19_11361401_113616(	sig	hypo
chr19	1.1E+07	1.1E+07	*	2.407E-34	4.916E-34	-0.1504	chr19_11361601_113618(	sig	hypo
chr19	1.1E+07	1.1E+07	*	3.064E-42	7.193E-42	-0.20367	chr19_11387201_113874(	sig	hypo
chr19	1.1E+07	1.1E+07	*	4.347E-44	1.052E-43	-0.13676	chr19_11453601_114538(	sig	hypo
chr19	1.1E+07	1.1E+07	*	1.51E-128	1.2E-127	-0.18258	chr19_11454601_114548(	sig	hypo
chr19	1.2E+07	1.2E+07	*	9.145E-29	1.668E-28	0.104248	chr19_11578601_115788(	sig	hyper
chr19	1.2E+07	1.2E+07	*	8.63E-285	5.27E-283	0.284956	chr19_11674201_116744(	sig	hyper
chr19	1.2E+07	1.2E+07	*	4.645E-74	1.769E-73	0.218157	chr19_11674401_116746(	sig	hyper
chr19	1.2E+07	1.2E+07	*	4.8E-124	3.6E-123	0.1198	chr19_11848601_118488(	sig	hyper
chr19	1.2E+07	1.2E+07	*	1.114E-32	2.198E-32	0.108808	chr19_12036001_120362(	sig	hyper
chr19	1.2E+07	1.2E+07	*	9.063E-28	1.621E-27	0.114424	chr19_12064401_120646(	sig	hyper
chr19	1.2E+07	1.2E+07	*	3.685E-47	9.397E-47	0.19928	chr19_12155601_121558(	sig	hyper
chr19	1.2E+07	1.2E+07	*	1.54E-262	7.15E-261	0.260456	chr19_12156601_121568(	sig	hyper
chr19	1.2E+07	1.2E+07	*	1.18E-244	4.45E-243	0.283281	chr19_12156801_121570(	sig	hyper
chr19	1.2E+07	1.2E+07	*	8.427E-73	3.147E-72	0.23449	chr19_12194601_121948(	sig	hyper
chr19	1.2E+07	1.2E+07	*	6.34E-173	9.19E-172	0.265685	chr19_12195401_121956(	sig	hyper
chr19	1.2E+07	1.2E+07	*	3.614E-46	9.045E-46	0.222005	chr19_12195601_121958(	sig	hyper
chr19	1.2E+07	1.2E+07	*	5.45E-103	3.07E-102	0.268447	chr19_12266201_122664(	sig	hyper
chr19	1.2E+07	1.2E+07	*	4.642E-64	1.541E-63	0.115451	chr19_12364801_123650(	sig	hyper
chr19	1.3E+07	1.3E+07	*	2.17E-134	1.86E-133	0.316049	chr19_12513601_125138(	sig	hyper
chr19	1.3E+07	1.3E+07	*	3.53E-158	4.16E-157	0.284048	chr19_12513801_125140(	sig	hyper
chr19	1.3E+07	1.3E+07	*	9.342E-34	1.884E-33	0.114895	chr19_12597001_125972(	sig	hyper
chr19	1.3E+07	1.3E+07	*	8.44E-18	1.184E-17	0.111449	chr19_12597401_125976(	sig	hyper
chr19	1.3E+07	1.3E+07	*	8.44E-199	1.75E-197	0.286326	chr19_12648201_126484(	sig	hyper
chr19	1.3E+07	1.3E+07	*	2.181E-15	2.861E-15	0.100462	chr19_12657401_126576(	sig	hyper
chr19	1.3E+07	1.3E+07	*	5.658E-26	9.743E-26	0.127761	chr19_12712201_127124(	sig	hyper
chr19	1.3E+07	1.3E+07	*	5.55E-151	6.02E-150	0.323078	chr19_12721001_127212(	sig	hyper
chr19	1.3E+07	1.3E+07	*	2.899E-33	5.791E-33	-0.11471	chr19_12806201_128064(	sig	hypo
chr19	1.3E+07	1.3E+07	*	4.507E-31	8.61E-31	0.156983	chr19_12835601_128358(	sig	hyper
chr19	1.3E+07	1.3E+07	*	2.621E-37	5.662E-37	0.118752	chr19_12841201_128414(	sig	hyper
chr19	1.3E+07	1.3E+07	*	6.717E-23	1.075E-22	-0.15869	chr19_12873801_128740(	sig	hypo
chr19	1.3E+07	1.3E+07	*	7.17E-111	4.53E-110	0.212337	chr19_13000001_130002(	sig	hyper
chr19	1.3E+07	1.3E+07	*	3.05E-54	8.701E-54	0.175492	chr19_13001601_130018(	sig	hyper
chr19	1.3E+07	1.3E+07	*	2.816E-60	8.812E-60	-0.1687	chr19_13013401_130136(	sig	hypo
chr19	1.3E+07	1.3E+07	*	3.723E-09	3.884E-09	0.110018	chr19_13014001_130142(	sig	hyper
chr19	1.3E+07	1.3E+07	*	3.916E-31	7.49E-31	0.139201	chr19_13014201_130144(	sig	hyper

chr19	1.3E+07	1.3E+07	*	1.883E-23	3.054E-23	0.120075	chr19_13014401_130146(	sig	hyper
chr19	1.3E+07	1.3E+07	*	1.272E-18	1.825E-18	-0.11269	chr19_13025201_130254(	sig	hypo
chr19	1.3E+07	1.3E+07	*	4.996E-73	1.872E-72	0.214715	chr19_13085801_130860(	sig	hyper
chr19	1.3E+07	1.3E+07	*	4.498E-35	9.309E-35	0.107262	chr19_13088001_130882(	sig	hyper
chr19	1.3E+07	1.3E+07	*	1.103E-28	2.008E-28	-0.11726	chr19_13255001_132552(	sig	hypo
chr19	1.3E+07	1.3E+07	*	2.32E-29	4.282E-29	-0.1287	chr19_13255201_132554(	sig	hypo
chr19	1.4E+07	1.4E+07	*	3.725E-56	1.095E-55	0.301342	chr19_13506201_135064(	sig	hyper
chr19	1.4E+07	1.4E+07	*	2.152E-26	3.742E-26	-0.12209	chr19_13877601_138778(	sig	hypo
chr19	1.4E+07	1.4E+07	*	2.624E-29	4.835E-29	0.100918	chr19_13905801_139060(	sig	hyper
chr19	1.4E+07	1.4E+07	*	6.097E-40	1.376E-39	0.234438	chr19_13962201_139624(	sig	hyper
chr19	1.4E+07	1.4E+07	*	9.621E-76	3.758E-75	0.299671	chr19_13962401_139626(	sig	hyper
chr19	1.4E+07	1.4E+07	*	4.8E-127	3.74E-126	0.32457	chr19_14085601_140858(	sig	hyper
chr19	1.4E+07	1.4E+07	*	4.534E-55	1.31E-54	0.369795	chr19_14085801_140860(	sig	hyper
chr19	1.4E+07	1.4E+07	*	1.984E-21	3.061E-21	-0.10121	chr19_14114201_141144(	sig	hypo
chr19	1.4E+07	1.4E+07	*	1.918E-47	4.913E-47	0.124983	chr19_14149601_141498(	sig	hyper
chr19	1.4E+07	1.4E+07	*	3.76E-97	1.977E-96	0.196829	chr19_14149801_141500(	sig	hyper
chr19	1.4E+07	1.4E+07	*	1.105E-38	2.443E-38	0.107974	chr19_14209801_142100(	sig	hyper
chr19	1.4E+07	1.4E+07	*	3.81E-132	3.17E-131	-0.10563	chr19_14418201_144184(	sig	hypo
chr19	1.5E+07	1.5E+07	*	1.598E-19	2.349E-19	-0.1016	chr19_14562201_145624(	sig	hypo
chr19	1.5E+07	1.5E+07	*	9.91E-188	1.76E-186	0.413488	chr19_15010601_150108(	sig	hyper
chr19	1.5E+07	1.5E+07	*	2.6E-257	1.14E-255	-0.35088	chr19_15181601_151818(	sig	hypo
chr19	1.5E+07	1.5E+07	*	9.507E-32	1.84E-31	-0.12898	chr19_15189001_151892(	sig	hypo
chr19	1.5E+07	1.5E+07	*	4.961E-49	1.305E-48	0.251431	chr19_15224001_152242(	sig	hyper
chr19	1.5E+07	1.5E+07	*	1.594E-71	5.861E-71	0.146788	chr19_15232201_152324(	sig	hyper
chr19	1.5E+07	1.5E+07	*	3.01E-132	2.51E-131	0.262733	chr19_15233201_152334(	sig	hyper
chr19	1.5E+07	1.5E+07	*	7.08E-215	1.81E-213	0.313373	chr19_15264401_152646(	sig	hyper
chr19	1.5E+07	1.5E+07	*	1.409E-57	4.236E-57	0.19948	chr19_15264601_152648(	sig	hyper
chr19	1.5E+07	1.5E+07	*	1.16E-166	1.54E-165	0.272449	chr19_15281001_152812(	sig	hyper
chr19	1.5E+07	1.5E+07	*	4.812E-44	1.163E-43	-0.15012	chr19_15437001_154372(	sig	hypo
chr19	1.5E+07	1.5E+07	*	7.75E-199	1.61E-197	0.267215	chr19_15457601_154578(	sig	hyper
chr19	1.5E+07	1.5E+07	*	1.032E-59	3.199E-59	0.190648	chr19_15471801_154720(	sig	hyper
chr19	1.5E+07	1.5E+07	*	1.293E-41	3.006E-41	0.190639	chr19_15472001_154722(	sig	hyper
chr19	1.6E+07	1.6E+07	*	3.85E-122	2.81E-121	-0.41073	chr19_15511801_155120(	sig	hypo
chr19	1.6E+07	1.6E+07	*	9.08E-167	1.21E-165	0.268653	chr19_15723001_157232(	sig	hyper
chr19	1.6E+07	1.6E+07	*	4.625E-17	6.349E-17	0.102577	chr19_15760201_157604(	sig	hyper
chr19	1.6E+07	1.6E+07	*	2.146E-20	3.228E-20	0.116357	chr19_15934201_159344(	sig	hyper
chr19	1.6E+07	1.6E+07	*	1.356E-18	1.944E-18	0.129043	chr19_16110801_161110(	sig	hyper
chr19	1.6E+07	1.6E+07	*	1.978E-68	6.949E-68	0.266997	chr19_16283401_162836(	sig	hyper
chr19	1.6E+07	1.6E+07	*	3.64E-247	1.41E-245	0.273617	chr19_16283601_162838(	sig	hyper
chr19	1.6E+07	1.6E+07	*	1.49E-292	1E-290	0.255005	chr19_16283801_162840(	sig	hyper
chr19	1.7E+07	1.7E+07	*	1.69E-39	3.783E-39	-0.11894	chr19_16719801_167200(	sig	hypo
chr19	1.7E+07	1.7E+07	*	6.164E-26	1.061E-25	0.144557	chr19_16733601_167338(	sig	hyper
chr19	1.7E+07	1.7E+07	*	1.637E-54	4.688E-54	0.144482	chr19_16897801_168980(	sig	hyper
chr19	1.7E+07	1.7E+07	*	2.119E-17	2.936E-17	0.111333	chr19_16898001_168982(	sig	hyper
chr19	1.7E+07	1.7E+07	*	1.312E-15	1.731E-15	-0.10204	chr19_17022001_170222(	sig	hypo
chr19	1.7E+07	1.7E+07	*	1.419E-73	5.354E-73	0.222905	chr19_17079401_170796(	sig	hyper
chr19	1.7E+07	1.7E+07	*	4.76E-246	1.83E-244	0.150264	chr19_17235601_172358(	sig	hyper
chr19	1.7E+07	1.7E+07	*	8.61E-103	4.84E-102	0.181176	chr19_17282001_172822(	sig	hyper
chr19	1.7E+07	1.7E+07	*	2.155E-51	5.863E-51	0.189185	chr19_17282401_172826(	sig	hyper
chr19	1.7E+07	1.7E+07	*	1.015E-48	2.653E-48	0.142998	chr19_17328401_173286(	sig	hyper
chr19	1.7E+07	1.7E+07	*	2.28E-161	2.82E-160	0.220369	chr19_17329001_173292(	sig	hyper
chr19	1.7E+07	1.7E+07	*	7.826E-48	2.016E-47	-0.13604	chr19_17377001_173772(	sig	hypo
chr19	1.7E+07	1.7E+07	*	3.749E-34	7.62E-34	-0.20675	chr19_17377601_173778(	sig	hypo
chr19	1.7E+07	1.7E+07	*	1.56E-46	3.932E-46	-0.17967	chr19_17407801_174080(	sig	hypo
chr19	1.7E+07	1.7E+07	*	1.17E-102	6.58E-102	0.16295	chr19_17455801_174560(	sig	hyper
chr19	1.7E+07	1.7E+07	*	3.642E-22	5.721E-22	-0.12227	chr19_17460601_174608(	sig	hypo

chr19	1.8E+07	1.8E+07	*	9.684E-14	1.206E-13	-0.11011	chr19_17645601_176458(	sig	hypo
chr19	1.8E+07	1.8E+07	*	2.189E-31	4.205E-31	0.102123	chr19_17680401_176806(	sig	hyper
chr19	1.8E+07	1.8E+07	*	1.108E-36	2.363E-36	0.129633	chr19_17687801_176880(	sig	hyper
chr19	1.8E+07	1.8E+07	*	7.101E-29	1.298E-28	-0.15111	chr19_17747201_177474(	sig	hypo
chr19	1.8E+07	1.8E+07	*	4.514E-50	1.206E-49	0.128597	chr19_17766801_177670(	sig	hyper
chr19	1.8E+07	1.8E+07	*	1.066E-44	2.605E-44	0.210643	chr19_17821201_178214(	sig	hyper
chr19	1.8E+07	1.8E+07	*	7.144E-53	1.992E-52	0.175383	chr19_17821401_178216(	sig	hyper
chr19	1.8E+07	1.8E+07	*	6.189E-27	1.089E-26	0.138851	chr19_17841601_178418(	sig	hyper
chr19	1.8E+07	1.8E+07	*	6.832E-42	1.595E-41	0.123867	chr19_17847801_178480(	sig	hyper
chr19	1.8E+07	1.8E+07	*	2.54E-195	5E-194	0.22654	chr19_18007401_180076(	sig	hyper
chr19	1.8E+07	1.8E+07	*	1.97E-101	1.09E-100	0.227396	chr19_18007801_180080(	sig	hyper
chr19	1.8E+07	1.8E+07	*	4.92E-64	1.633E-63	0.211948	chr19_18008001_180082(	sig	hyper
chr19	1.8E+07	1.8E+07	*	8.17E-182	1.33E-180	0.226605	chr19_18008201_180084(	sig	hyper
chr19	1.8E+07	1.8E+07	*	1.009E-27	1.802E-27	0.102087	chr19_18208201_182084(	sig	hyper
chr19	1.8E+07	1.8E+07	*	3.6E-143	3.46E-142	-0.21372	chr19_18220201_182204(	sig	hypo
chr19	1.8E+07	1.8E+07	*	7.028E-89	3.305E-88	0.153616	chr19_18225201_182254(	sig	hyper
chr19	1.8E+07	1.8E+07	*	1.526E-36	3.25E-36	0.267694	chr19_18225401_182256(	sig	hyper
chr19	1.8E+07	1.8E+07	*	1.542E-18	2.208E-18	0.16818	chr19_18233401_182336(	sig	hyper
chr19	1.8E+07	1.8E+07	*	3.762E-36	7.94E-36	-0.17044	chr19_18386401_183866(	sig	hypo
chr19	1.8E+07	1.8E+07	*	4.12E-147	4.2E-146	0.340895	chr19_18429001_184292(	sig	hyper
chr19	1.8E+07	1.8E+07	*	5.67E-181	9.13E-180	0.369821	chr19_18434201_184344(	sig	hyper
chr19	1.8E+07	1.8E+07	*	9.626E-94	4.818E-93	0.256128	chr19_18438801_184390(	sig	hyper
chr19	1.9E+07	1.9E+07	*	8.296E-30	1.545E-29	0.139414	chr19_18590401_185906(	sig	hyper
chr19	1.9E+07	1.9E+07	*	4.84E-105	2.81E-104	0.228046	chr19_18650401_186506(	sig	hyper
chr19	1.9E+07	1.9E+07	*	1.32E-261	6.06E-260	0.348634	chr19_18650601_186508(	sig	hyper
chr19	1.9E+07	1.9E+07	*	2.692E-37	5.813E-37	0.201843	chr19_18650801_186510(	sig	hyper
chr19	1.9E+07	1.9E+07	*	8.702E-36	1.823E-35	-0.19453	chr19_18697001_186972(	sig	hypo
chr19	1.9E+07	1.9E+07	*	2.289E-36	4.858E-36	0.136212	chr19_18700601_187008(	sig	hyper
chr19	1.9E+07	1.9E+07	*	1.428E-42	3.371E-42	0.131696	chr19_18719601_187198(	sig	hyper
chr19	1.9E+07	1.9E+07	*	1.594E-66	5.467E-66	0.227569	chr19_18787401_187876(	sig	hyper
chr19	1.9E+07	1.9E+07	*	4.31E-61	1.363E-60	0.24768	chr19_18787601_187878(	sig	hyper
chr19	1.9E+07	1.9E+07	*	3.294E-34	6.704E-34	0.115539	chr19_18790401_187906(	sig	hyper
chr19	1.9E+07	1.9E+07	*	1.43E-144	1.4E-143	0.131148	chr19_18790801_187910(	sig	hyper
chr19	1.9E+07	1.9E+07	*	6.025E-73	2.254E-72	-0.28401	chr19_18878001_188782(	sig	hypo
chr19	1.9E+07	1.9E+07	*	2.912E-43	6.951E-43	-0.1998	chr19_18931801_189320(	sig	hypo
chr19	1.9E+07	1.9E+07	*	3.29E-114	2.18E-113	0.196	chr19_19121001_191212(	sig	hyper
chr19	1.9E+07	1.9E+07	*	8.506E-64	2.812E-63	0.145967	chr19_19170601_191708(	sig	hyper
chr19	1.9E+07	1.9E+07	*	3.497E-55	1.012E-54	0.29796	chr19_19211601_192118(	sig	hyper
chr19	1.9E+07	1.9E+07	*	5.333E-84	2.337E-83	0.250083	chr19_19261001_192612(	sig	hyper
chr19	1.9E+07	1.9E+07	*	4.017E-42	9.412E-42	0.184835	chr19_19262801_192630(	sig	hyper
chr19	2E+07	2E+07	*	0	0	0.319604	chr19_19514401_195146(	sig	hyper
chr19	2E+07	2E+07	*	3.151E-63	1.03E-62	0.298192	chr19_19528601_195288(	sig	hyper
chr19	2E+07	2E+07	*	1.91E-212	4.76E-211	0.412162	chr19_19529001_195292(	sig	hyper
chr19	2E+07	2E+07	*	3.487E-70	1.258E-69	-0.24772	chr19_19629001_196292(	sig	hypo
chr19	2E+07	2E+07	*	2.72E-255	1.17E-253	0.301301	chr19_19860801_198610(	sig	hyper
chr19	2E+07	2E+07	*	1.92E-131	1.59E-130	0.274354	chr19_19861001_198612(	sig	hyper
chr19	2E+07	2E+07	*	5.73E-62	1.84E-61	0.213944	chr19_19861201_198614(	sig	hyper
chr19	2E+07	2E+07	*	1.053E-74	4.047E-74	0.166695	chr19_20078201_200784(	sig	hyper
chr19	2E+07	2E+07	*	5.254E-67	1.814E-66	0.106464	chr19_20167401_201676(	sig	hyper
chr19	2.1E+07	2.1E+07	*	4.67E-218	1.25E-216	0.269858	chr19_20661201_206614(	sig	hyper
chr19	2.1E+07	2.1E+07	*	8.316E-74	3.157E-73	0.148961	chr19_20923401_209236(	sig	hyper
chr19	2.1E+07	2.1E+07	*	1.47E-142	1.4E-141	0.313233	chr19_21463401_214636(	sig	hyper
chr19	2.1E+07	2.1E+07	*	7.78E-100	4.21E-99	0.276466	chr19_21463601_214638(	sig	hyper
chr19	2.1E+07	2.1E+07	*	3.16E-270	1.65E-268	0.336528	chr19_21474601_214748(	sig	hyper
chr19	2.1E+07	2.1E+07	*	1.09E-191	2.04E-190	0.302497	chr19_21474801_214750(	sig	hyper
chr19	2.2E+07	2.2E+07	*	1.163E-52	3.232E-52	0.142653	chr19_21678001_216782(	sig	hyper

chr19	2.2E+07	2.2E+07	*	1.95E-184	3.29E-183	0.156908	chr19_21835801_218360(	sig	hyper
chr19	2.2E+07	2.2E+07	*	7.51E-139	6.81E-138	0.152472	chr19_21836001_218362(	sig	hyper
chr19	2.2E+07	2.2E+07	*	1.75E-157	2.05E-156	0.185716	chr19_21836201_218364(	sig	hyper
chr19	2.2E+07	2.2E+07	*	2.89E-102	1.62E-101	0.172134	chr19_21851601_218518(	sig	hyper
chr19	2.2E+07	2.2E+07	*	1.45E-125	1.1E-124	0.188107	chr19_21851801_218520(	sig	hyper
chr19	2.2E+07	2.2E+07	*	1.08E-176	1.64E-175	0.191927	chr19_21852001_218522(	sig	hyper
chr19	2.2E+07	2.2E+07	*	7.11E-142	6.72E-141	0.306221	chr19_22010401_220106(	sig	hyper
chr19	2.2E+07	2.2E+07	*	2.06E-131	1.7E-130	0.308906	chr19_22010601_220108(	sig	hyper
chr19	2.2E+07	2.2E+07	*	3.07E-153	3.41E-152	0.339534	chr19_22286401_222866(	sig	hyper
chr19	2.2E+07	2.2E+07	*	8.06E-193	1.53E-191	0.391548	chr19_22286601_222868(	sig	hyper
chr19	2.2E+07	2.2E+07	*	3.28E-127	2.56E-126	0.206935	chr19_22422201_224224(	sig	hyper
chr19	2.2E+07	2.2E+07	*	2.48E-108	1.51E-107	0.292258	chr19_22422401_224226(	sig	hyper
chr19	2.3E+07	2.3E+07	*	1.831E-13	2.26E-13	0.118041	chr19_22617801_226180(	sig	hyper
chr19	2.3E+07	2.3E+07	*	8.06E-199	1.68E-197	0.296212	chr19_22634201_226344(	sig	hyper
chr19	2.3E+07	2.3E+07	*	2.129E-72	7.911E-72	0.23395	chr19_22709001_227092(	sig	hyper
chr19	2.3E+07	2.3E+07	*	5.814E-75	2.245E-74	0.257594	chr19_23002601_230028(	sig	hyper
chr19	2.3E+07	2.3E+07	*	1.88E-166	2.48E-165	0.289322	chr19_23002801_230030(	sig	hyper
chr19	2.3E+07	2.3E+07	*	6.11E-282	3.58E-280	0.312355	chr19_23070401_230706(	sig	hyper
chr19	2.3E+07	2.3E+07	*	9.462E-74	3.586E-73	0.197176	chr19_23075201_230754(	sig	hyper
chr19	2.3E+07	2.3E+07	*	1.01E-80	4.227E-80	0.147113	chr19_23117001_231172(	sig	hyper
chr19	2.3E+07	2.3E+07	*	4.47E-139	4.06E-138	0.176287	chr19_23117201_231174(	sig	hyper
chr19	2.3E+07	2.3E+07	*	1.722E-83	7.498E-83	0.195075	chr19_23204201_232044(	sig	hyper
chr19	2.3E+07	2.3E+07	*	1.937E-42	4.562E-42	0.21896	chr19_23471001_234712(	sig	hyper
chr19	2.3E+07	2.3E+07	*	3.94E-102	2.2E-101	0.176959	chr19_23471401_234716(	sig	hyper
chr19	2.4E+07	2.4E+07	*	7.673E-51	2.07E-50	0.106907	chr19_23758601_237588(	sig	hyper
chr19	2.4E+07	2.4E+07	*	2.294E-31	4.405E-31	0.147826	chr19_23971801_239720(	sig	hyper
chr19	2.9E+07	2.9E+07	*	9.174E-46	2.28E-45	0.211044	chr19_28727201_287274(	sig	hyper
chr19	2.9E+07	2.9E+07	*	6.519E-79	2.667E-78	0.241201	chr19_28794001_287942(	sig	hyper
chr19	2.9E+07	2.9E+07	*	7.617E-82	3.241E-81	-0.12581	chr19_29093001_290932(	sig	hypo
chr19	2.9E+07	2.9E+07	*	5.452E-50	1.454E-49	-0.11157	chr19_29093201_290934(	sig	hypo
chr19	3E+07	3E+07	*	1.951E-54	5.581E-54	0.131595	chr19_29528401_295286(	sig	hyper
chr19	3E+07	3E+07	*	8.05E-116	5.45E-115	0.190379	chr19_29528601_295288(	sig	hyper
chr19	3E+07	3E+07	*	8.55E-148	8.79E-147	0.207573	chr19_30224601_302248(	sig	hyper
chr19	3E+07	3E+07	*	1.855E-41	4.298E-41	0.137468	chr19_30225201_302254(	sig	hyper
chr19	3E+07	3E+07	*	1.637E-77	6.559E-77	0.198624	chr19_30226401_302266(	sig	hyper
chr19	3E+07	3E+07	*	1.075E-69	3.85E-69	0.170248	chr19_30226601_302268(	sig	hyper
chr19	3E+07	3E+07	*	9.101E-78	3.66E-77	0.17287	chr19_30228401_302286(	sig	hyper
chr19	3E+07	3E+07	*	1.163E-70	4.223E-70	0.165955	chr19_30228601_302288(	sig	hyper
chr19	3E+07	3E+07	*	1.23E-99	6.67E-99	0.267978	chr19_30450801_304510(	sig	hyper
chr19	3E+07	3E+07	*	1.051E-97	5.555E-97	0.279287	chr19_30451001_304512(	sig	hyper
chr19	3.1E+07	3.1E+07	*	2.732E-76	1.075E-75	0.212688	chr19_31348601_313488(	sig	hyper
chr19	3.1E+07	3.1E+07	*	6.32E-49	1.658E-48	0.123076	chr19_31351001_313512(	sig	hyper
chr19	3.1E+07	3.1E+07	*	1.665E-79	6.872E-79	0.152974	chr19_31351201_313514(	sig	hyper
chr19	3.1E+07	3.1E+07	*	1.957E-76	7.722E-76	-0.25135	chr19_31354001_313542(	sig	hypo
chr19	3.3E+07	3.3E+07	*	4.149E-90	1.98E-89	-0.30497	chr19_32869601_328698(	sig	hypo
chr19	3.4E+07	3.4E+07	*	1.613E-32	3.172E-32	0.14925	chr19_33621801_336220(	sig	hyper
chr19	3.4E+07	3.4E+07	*	5.54E-160	6.71E-159	0.274264	chr19_33622401_336226(	sig	hyper
chr19	3.4E+07	3.4E+07	*	4.694E-71	1.716E-70	0.21032	chr19_33623001_336232(	sig	hyper
chr19	3.4E+07	3.4E+07	*	2.12E-243	7.88E-242	0.286843	chr19_33623201_336234(	sig	hyper
chr19	3.4E+07	3.4E+07	*	1.689E-85	7.562E-85	0.274776	chr19_33623401_336236(	sig	hyper
chr19	3.4E+07	3.4E+07	*	7.64E-125	5.77E-124	0.155569	chr19_33684401_336846(	sig	hyper
chr19	3.4E+07	3.4E+07	*	2.679E-78	1.086E-77	0.295034	chr19_33684601_336848(	sig	hyper
chr19	3.4E+07	3.4E+07	*	2.2E-295	1.54E-293	0.263401	chr19_34482201_344824(	sig	hyper
chr19	3.5E+07	3.5E+07	*	6.769E-64	2.241E-63	0.192444	chr19_34772401_347726(	sig	hyper
chr19	3.5E+07	3.5E+07	*	1.015E-97	5.371E-97	0.127597	chr19_34832801_348330(	sig	hyper
chr19	3.5E+07	3.5E+07	*	5.488E-39	1.219E-38	0.106829	chr19_34839001_348392(	sig	hyper

chr19	3.5E+07	3.5E+07	*	1.985E-59	6.127E-59	0.222773	chr19_34839201_348394(	sig	hyper
chr19	3.5E+07	3.5E+07	*	9.1E-172	1.3E-170	0.296029	chr19_34905201_349054(	sig	hyper
chr19	3.5E+07	3.5E+07	*	2.754E-29	5.071E-29	-0.11709	chr19_35032401_350326(	sig	hypo
chr19	3.5E+07	3.5E+07	*	3.692E-26	6.384E-26	0.179935	chr19_35040401_350406(	sig	hyper
chr19	3.5E+07	3.5E+07	*	6.269E-22	9.799E-22	0.133496	chr19_35126601_351268(	sig	hyper
chr19	3.5E+07	3.5E+07	*	3.161E-08	3.158E-08	0.102196	chr19_35126801_351270(	sig	hyper
chr19	3.5E+07	3.5E+07	*	5.691E-40	1.285E-39	0.179809	chr19_35139401_351396(	sig	hyper
chr19	3.5E+07	3.5E+07	*	3.72E-175	5.57E-174	0.336403	chr19_35225001_352252(	sig	hyper
chr19	3.5E+07	3.5E+07	*	1.01E-126	7.86E-126	-0.30471	chr19_35307001_353072(	sig	hypo
chr19	3.5E+07	3.5E+07	*	2.516E-16	3.385E-16	0.131151	chr19_35309601_353098(	sig	hyper
chr19	3.5E+07	3.5E+07	*	2.18E-21	3.359E-21	-0.15939	chr19_35350601_353508(	sig	hypo
chr19	3.5E+07	3.5E+07	*	1.541E-33	3.092E-33	-0.10548	chr19_35352201_353524(	sig	hypo
chr19	3.5E+07	3.5E+07	*	1.148E-32	2.264E-32	-0.17259	chr19_35359401_353596(	sig	hypo
chr19	3.6E+07	3.6E+07	*	4.96E-40	1.121E-39	0.143718	chr19_35533801_355340(	sig	hyper
chr19	3.6E+07	3.6E+07	*	0	1.68E-306	0.361642	chr19_35558401_355586(	sig	hyper
chr19	3.6E+07	3.6E+07	*	1.611E-23	2.616E-23	-0.12674	chr19_35666601_356668(	sig	hypo
chr19	3.6E+07	3.6E+07	*	6.553E-38	1.43E-37	0.13237	chr19_35704401_357046(	sig	hyper
chr19	3.6E+07	3.6E+07	*	5.328E-17	7.301E-17	0.100738	chr19_35754401_357546(	sig	hyper
chr19	3.6E+07	3.6E+07	*	5.13E-129	4.09E-128	0.265475	chr19_35757001_357572(	sig	hyper
chr19	3.6E+07	3.6E+07	*	3.476E-34	7.07E-34	-0.19843	chr19_35774601_357748(	sig	hypo
chr19	3.6E+07	3.6E+07	*	5.078E-59	1.558E-58	0.115798	chr19_35857001_358572(	sig	hyper
chr19	3.6E+07	3.6E+07	*	4.794E-36	1.009E-35	0.143414	chr19_35861401_358616(	sig	hyper
chr19	3.6E+07	3.6E+07	*	1.04E-40	2.378E-40	0.124699	chr19_35898601_358988(	sig	hyper
chr19	3.6E+07	3.6E+07	*	2.517E-66	8.606E-66	0.101031	chr19_35944601_359448(	sig	hyper
chr19	3.6E+07	3.6E+07	*	1.364E-54	3.913E-54	0.270613	chr19_35959401_359596(	sig	hyper
chr19	3.6E+07	3.6E+07	*	1.263E-25	2.155E-25	-0.13597	chr19_36058801_360590(	sig	hypo
chr19	3.6E+07	3.6E+07	*	1.233E-40	2.815E-40	0.124292	chr19_36113601_361138(	sig	hyper
chr19	3.6E+07	3.6E+07	*	2.03E-153	2.26E-152	0.310838	chr19_36152601_361528(	sig	hyper
chr19	3.6E+07	3.6E+07	*	8.29E-223	2.33E-221	0.331029	chr19_36245601_362458(	sig	hyper
chr19	3.6E+07	3.6E+07	*	6.825E-76	2.673E-75	0.22869	chr19_36331401_363316(	sig	hyper
chr19	3.6E+07	3.6E+07	*	4.8E-202	1.04E-200	0.286532	chr19_36331601_363318(	sig	hyper
chr19	3.6E+07	3.6E+07	*	2.62E-101	1.45E-100	0.158881	chr19_36418601_364188(	sig	hyper
chr19	3.6E+07	3.6E+07	*	2.25E-157	2.62E-156	0.271605	chr19_36421801_364220(	sig	hyper
chr19	3.7E+07	3.7E+07	*	2.352E-27	4.175E-27	0.119399	chr19_36573801_365740(	sig	hyper
chr19	3.7E+07	3.7E+07	*	3.97E-131	3.26E-130	0.142555	chr19_36666601_366668(	sig	hyper
chr19	3.7E+07	3.7E+07	*	2.21E-160	2.69E-159	0.13067	chr19_36666801_366670(	sig	hyper
chr19	3.7E+07	3.7E+07	*	3.2E-155	3.64E-154	0.114609	chr19_36667001_366672(	sig	hyper
chr19	3.7E+07	3.7E+07	*	2.21E-106	1.31E-105	0.303082	chr19_36776001_367762(	sig	hyper
chr19	3.7E+07	3.7E+07	*	2.647E-42	6.223E-42	0.222709	chr19_36792001_367922(	sig	hyper
chr19	3.7E+07	3.7E+07	*	0	0	0.333083	chr19_36797401_367976(	sig	hyper
chr19	3.7E+07	3.7E+07	*	0	0	0.25653	chr19_36797601_367978(	sig	hyper
chr19	3.7E+07	3.7E+07	*	1.67E-162	2.09E-161	0.202107	chr19_36916001_369162(	sig	hyper
chr19	3.7E+07	3.7E+07	*	9.83E-124	7.32E-123	0.240251	chr19_36916401_369166(	sig	hyper
chr19	3.7E+07	3.7E+07	*	1.513E-87	6.967E-87	0.226467	chr19_36973201_369734(	sig	hyper
chr19	3.7E+07	3.7E+07	*	1.6E-288	1.02E-286	0.290409	chr19_37251801_372520(	sig	hyper
chr19	3.7E+07	3.7E+07	*	3.42E-20	5.12E-20	0.154374	chr19_37403401_374036(	sig	hyper
chr19	3.7E+07	3.7E+07	*	9.91E-161	1.21E-159	0.146666	chr19_37467401_374676(	sig	hyper
chr19	3.7E+07	3.7E+07	*	3.333E-94	1.683E-93	0.228724	chr19_37467801_374680(	sig	hyper
chr19	3.7E+07	3.7E+07	*	2.46E-112	1.58E-111	0.167592	chr19_37468801_374690(	sig	hyper
chr19	3.7E+07	3.7E+07	*	3.32E-133	2.8E-132	0.132278	chr19_37469401_374696(	sig	hyper
chr19	3.8E+07	3.8E+07	*	2.26E-168	3.07E-167	0.25823	chr19_37507001_375072(	sig	hyper
chr19	3.8E+07	3.8E+07	*	4.167E-11	4.719E-11	0.104272	chr19_37548601_375488(	sig	hyper
chr19	3.8E+07	3.8E+07	*	0	0	0.377069	chr19_37551201_375514(	sig	hyper
chr19	3.8E+07	3.8E+07	*	2.84E-134	2.43E-133	0.290997	chr19_37551401_375516(	sig	hyper
chr19	3.8E+07	3.8E+07	*	2.644E-76	1.041E-75	0.100807	chr19_37656201_376564(	sig	hyper
chr19	3.8E+07	3.8E+07	*	9.238E-95	4.703E-94	0.255557	chr19_37691801_376920(	sig	hyper

chr19	3.8E+07	3.8E+07	*	6.19E-180	9.85E-179	0.193682	chr19_37692001_376922(	sig	hyper
chr19	3.8E+07	3.8E+07	*	1.76E-274	9.57E-273	0.151811	chr19_37692201_376924(	sig	hyper
chr19	3.8E+07	3.8E+07	*	7.25E-126	5.56E-125	0.145334	chr19_37692401_376926(	sig	hyper
chr19	3.8E+07	3.8E+07	*	2.654E-27	4.706E-27	0.174659	chr19_37790401_377906(	sig	hyper
chr19	3.8E+07	3.8E+07	*	1.309E-70	4.747E-70	0.195135	chr19_37790601_377908(	sig	hyper
chr19	3.8E+07	3.8E+07	*	2.55E-146	2.55E-145	0.3346	chr19_37817401_378176(	sig	hyper
chr19	3.8E+07	3.8E+07	*	1.23E-164	1.59E-163	0.370207	chr19_37817601_378178(	sig	hyper
chr19	3.8E+07	3.8E+07	*	1.459E-52	4.05E-52	0.178458	chr19_38209801_382100(	sig	hyper
chr19	3.8E+07	3.8E+07	*	1.004E-31	1.942E-31	-0.24705	chr19_38213801_382140(	sig	hypo
chr19	3.8E+07	3.8E+07	*	3.749E-12	4.412E-12	-0.10893	chr19_38233601_382338(	sig	hypo
chr19	3.8E+07	3.8E+07	*	9.63E-200	2.03E-198	0.223944	chr19_38256601_382568(	sig	hyper
chr19	3.8E+07	3.8E+07	*	7.377E-75	2.843E-74	-0.23221	chr19_38265001_382652(	sig	hypo
chr19	3.8E+07	3.8E+07	*	4.59E-124	3.44E-123	-0.231	chr19_38303801_383040(	sig	hypo
chr19	3.8E+07	3.8E+07	*	4.993E-41	1.147E-40	0.147552	chr19_38387201_383874(	sig	hyper
chr19	3.8E+07	3.8E+07	*	4.462E-27	7.872E-27	0.101856	chr19_38389001_383892(	sig	hyper
chr19	3.8E+07	3.8E+07	*	4.424E-51	1.197E-50	0.173732	chr19_38395801_383960(	sig	hyper
chr19	3.8E+07	3.8E+07	*	1.368E-26	2.39E-26	0.148203	chr19_38396001_383962(	sig	hyper
chr19	3.9E+07	3.9E+07	*	1.013E-38	2.241E-38	0.159907	chr19_38564801_385650(	sig	hyper
chr19	3.9E+07	3.9E+07	*	1.844E-16	2.492E-16	-0.11653	chr19_38744001_387442(	sig	hypo
chr19	3.9E+07	3.9E+07	*	3.606E-22	5.664E-22	0.103896	chr19_38788601_387888(	sig	hyper
chr19	3.9E+07	3.9E+07	*	7.395E-65	2.477E-64	-0.23994	chr19_38812801_388130(	sig	hypo
chr19	3.9E+07	3.9E+07	*	5.162E-57	1.538E-56	-0.28346	chr19_38813201_388134(	sig	hypo
chr19	3.9E+07	3.9E+07	*	1.636E-34	3.352E-34	0.178274	chr19_38869601_388698(	sig	hyper
chr19	3.9E+07	3.9E+07	*	1.26E-254	5.34E-253	0.240361	chr19_38975201_389754(	sig	hyper
chr19	3.9E+07	3.9E+07	*	3.188E-24	5.263E-24	0.109379	chr19_38976001_389762(	sig	hyper
chr19	3.9E+07	3.9E+07	*	1.368E-78	5.57E-78	0.217924	chr19_39197201_391974(	sig	hyper
chr19	3.9E+07	3.9E+07	*	3.039E-87	1.393E-86	0.261716	chr19_39264001_392642(	sig	hyper
chr19	3.9E+07	3.9E+07	*	5.72E-199	1.19E-197	0.380591	chr19_39308201_393084(	sig	hyper
chr19	3.9E+07	3.9E+07	*	5.84E-175	8.7E-174	0.337121	chr19_39308401_393086(	sig	hyper
chr19	3.9E+07	3.9E+07	*	1.78E-138	1.6E-137	0.351502	chr19_39415201_394154(	sig	hyper
chr19	3.9E+07	3.9E+07	*	2.114E-60	6.628E-60	0.200824	chr19_39415801_394160(	sig	hyper
chr19	4E+07	4E+07	*	1.256E-60	3.948E-60	0.129943	chr19_39507401_395076(	sig	hyper
chr19	4E+07	4E+07	*	3.89E-154	4.35E-153	0.217594	chr19_39507601_395078(	sig	hyper
chr19	4E+07	4E+07	*	7.27E-110	4.52E-109	0.120807	chr19_39515001_395152(	sig	hyper
chr19	4E+07	4E+07	*	2.93E-219	7.9E-218	0.173169	chr19_39824201_398244(	sig	hyper
chr19	4E+07	4E+07	*	1.12E-176	1.7E-175	0.146725	chr19_39824401_398246(	sig	hyper
chr19	4E+07	4E+07	*	4.33E-95	2.215E-94	0.242103	chr19_39891801_398920(	sig	hyper
chr19	4E+07	4E+07	*	5.49E-246	2.11E-244	0.313427	chr19_39892001_398922(	sig	hyper
chr19	4E+07	4E+07	*	3.984E-51	1.079E-50	0.211145	chr19_40170401_401706(	sig	hyper
chr19	4E+07	4E+07	*	3.129E-67	1.083E-66	0.158314	chr19_40222201_402224(	sig	hyper
chr19	4E+07	4E+07	*	2.42E-135	2.1E-134	-0.33741	chr19_40224401_402246(	sig	hypo
chr19	4E+07	4E+07	*	1.17E-124	8.81E-124	-0.41343	chr19_40224601_402248(	sig	hypo
chr19	4E+07	4E+07	*	4.561E-37	9.806E-37	0.199605	chr19_40225801_402260(	sig	hyper
chr19	4E+07	4E+07	*	1.42E-121	1.03E-120	0.16028	chr19_40226201_402264(	sig	hyper
chr19	4E+07	4E+07	*	2.08E-77	8.328E-77	0.246788	chr19_40365601_403658(	sig	hyper
chr19	4E+07	4E+07	*	1.807E-46	4.551E-46	-0.12813	chr19_40396001_403962(	sig	hypo
chr19	4E+07	4E+07	*	4.367E-56	1.283E-55	0.112411	chr19_40422801_404230(	sig	hyper
chr19	4E+07	4E+07	*	1.081E-32	2.134E-32	0.118132	chr19_40490001_404902(	sig	hyper
chr19	4.1E+07	4.1E+07	*	2.989E-42	7.018E-42	0.186551	chr19_40512801_405130(	sig	hyper
chr19	4.1E+07	4.1E+07	*	1.214E-52	3.373E-52	0.239863	chr19_40513001_405132(	sig	hyper
chr19	4.1E+07	4.1E+07	*	1.337E-25	2.281E-25	0.196324	chr19_40513401_405136(	sig	hyper
chr19	4.1E+07	4.1E+07	*	2.072E-48	5.391E-48	0.187281	chr19_40554401_405546(	sig	hyper
chr19	4.1E+07	4.1E+07	*	4.382E-45	1.077E-44	0.163184	chr19_40554601_405548(	sig	hyper
chr19	4.1E+07	4.1E+07	*	2.605E-57	7.813E-57	0.262644	chr19_40567601_405678(	sig	hyper
chr19	4.1E+07	4.1E+07	*	2.64E-216	6.87E-215	0.293811	chr19_40568001_405682(	sig	hyper
chr19	4.1E+07	4.1E+07	*	3.84E-143	3.69E-142	0.343528	chr19_40568201_405684(	sig	hyper

chr19	4.1E+07	4.1E+07	*	1.235E-67	4.3E-67	-0.1945	chr19_40611201_406114(	sig	hypo
chr19	4.1E+07	4.1E+07	*	1.796E-57	5.397E-57	0.161212	chr19_40613401_406136(	sig	hyper
chr19	4.1E+07	4.1E+07	*	4.14E-170	5.75E-169	0.294162	chr19_40613801_406140(	sig	hyper
chr19	4.1E+07	4.1E+07	*	2.01E-141	1.89E-140	0.171856	chr19_40614201_406144(	sig	hyper
chr19	4.1E+07	4.1E+07	*	9.919E-88	4.583E-87	0.223766	chr19_40614401_406146(	sig	hyper
chr19	4.1E+07	4.1E+07	*	2.49E-34	5.082E-34	-0.1724	chr19_40623801_406240(	sig	hypo
chr19	4.1E+07	4.1E+07	*	3.601E-47	9.186E-47	-0.12781	chr19_40624001_406242(	sig	hypo
chr19	4.1E+07	4.1E+07	*	3.272E-45	8.058E-45	0.149006	chr19_40812001_408122(	sig	hyper
chr19	4.1E+07	4.1E+07	*	1.182E-10	1.316E-10	-0.11227	chr19_40824801_408250(	sig	hypo
chr19	4.1E+07	4.1E+07	*	1.535E-11	1.767E-11	-0.12099	chr19_40826801_408270(	sig	hypo
chr19	4.1E+07	4.1E+07	*	4.2E-89	1.98E-88	0.22731	chr19_41026001_410262(	sig	hyper
chr19	4.1E+07	4.1E+07	*	5.16E-108	3.12E-107	0.259196	chr19_41090001_410902(	sig	hyper
chr19	4.1E+07	4.1E+07	*	7.755E-18	1.088E-17	0.1487	chr19_41090401_410906(	sig	hyper
chr19	4.1E+07	4.1E+07	*	4.324E-17	5.943E-17	-0.13841	chr19_41121201_411214(	sig	hypo
chr19	4.1E+07	4.1E+07	*	3.72E-109	2.29E-108	0.138995	chr19_41135801_411360(	sig	hyper
chr19	4.1E+07	4.1E+07	*	2.377E-26	4.129E-26	0.114291	chr19_41218601_412188(	sig	hyper
chr19	4.1E+07	4.1E+07	*	1.445E-67	5.026E-67	-0.17763	chr19_41331001_413312(	sig	hypo
chr19	4.2E+07	4.2E+07	*	2.595E-25	4.393E-25	-0.10672	chr19_41844601_418448(	sig	hypo
chr19	4.2E+07	4.2E+07	*	2.643E-31	5.071E-31	-0.12611	chr19_41879201_418794(	sig	hypo
chr19	4.2E+07	4.2E+07	*	5.52E-186	9.52E-185	-0.28019	chr19_41904201_419044(	sig	hypo
chr19	4.2E+07	4.2E+07	*	1.443E-53	4.073E-53	0.147432	chr19_41933001_419332(	sig	hyper
chr19	4.2E+07	4.2E+07	*	7.667E-33	1.518E-32	0.123008	chr19_41933201_419334(	sig	hyper
chr19	4.2E+07	4.2E+07	*	3.9E-23	6.282E-23	0.135463	chr19_41935801_419360(	sig	hyper
chr19	4.2E+07	4.2E+07	*	2.477E-14	3.142E-14	-0.12624	chr19_41956601_419568(	sig	hypo
chr19	4.2E+07	4.2E+07	*	9.387E-72	3.461E-71	-0.18448	chr19_42005601_420058(	sig	hypo
chr19	4.2E+07	4.2E+07	*	6.939E-41	1.591E-40	-0.13543	chr19_42006601_420068(	sig	hypo
chr19	4.2E+07	4.2E+07	*	6.44E-198	1.32E-196	0.479008	chr19_42096001_420962(	sig	hyper
chr19	4.2E+07	4.2E+07	*	4.75E-27	8.374E-27	-0.13191	chr19_42199401_421996(	sig	hypo
chr19	4.2E+07	4.2E+07	*	1.895E-54	5.425E-54	-0.17301	chr19_42199601_421998(	sig	hypo
chr19	4.2E+07	4.2E+07	*	7.393E-09	7.611E-09	0.109114	chr19_42402401_424026(	sig	hyper
chr19	4.2E+07	4.2E+07	*	2.278E-27	4.046E-27	-0.15965	chr19_42424801_424250(	sig	hypo
chr19	4.3E+07	4.3E+07	*	3.94E-25	6.645E-25	0.199031	chr19_42697801_426980(	sig	hyper
chr19	4.3E+07	4.3E+07	*	8.527E-75	3.283E-74	0.278574	chr19_42698001_426982(	sig	hyper
chr19	4.3E+07	4.3E+07	*	1.056E-31	2.041E-31	0.146011	chr19_43464401_434646(	sig	hyper
chr19	4.4E+07	4.4E+07	*	3.936E-20	5.882E-20	0.109622	chr19_43501801_435020(	sig	hyper
chr19	4.4E+07	4.4E+07	*	3.415E-70	1.233E-69	-0.30195	chr19_43624001_436242(	sig	hypo
chr19	4.4E+07	4.4E+07	*	2.606E-25	4.411E-25	-0.12711	chr19_43624801_436250(	sig	hypo
chr19	4.4E+07	4.4E+07	*	2.35E-289	1.51E-287	0.256784	chr19_43699401_436996(	sig	hyper
chr19	4.4E+07	4.4E+07	*	0	0	0.44974	chr19_43774201_437744(	sig	hyper
chr19	4.4E+07	4.4E+07	*	0	0	0.417115	chr19_43774401_437746(	sig	hyper
chr19	4.4E+07	4.4E+07	*	6.748E-80	2.802E-79	-0.1359	chr19_43798401_437986(	sig	hypo
chr19	4.4E+07	4.4E+07	*	0	0	0.249256	chr19_44448401_444486(	sig	hyper
chr19	4.5E+07	4.5E+07	*	0	0	0.245962	chr19_44757001_447572(	sig	hyper
chr19	4.5E+07	4.5E+07	*	3.67E-212	9.05E-211	0.367138	chr19_44757601_447578(	sig	hyper
chr19	4.5E+07	4.5E+07	*	7.646E-54	2.168E-53	0.273965	chr19_44758401_447586(	sig	hyper
chr19	4.5E+07	4.5E+07	*	2.749E-65	9.266E-65	-0.24247	chr19_44776401_447766(	sig	hypo
chr19	4.5E+07	4.5E+07	*	1.052E-77	4.227E-77	-0.29649	chr19_44776801_447770(	sig	hypo
chr19	4.5E+07	4.5E+07	*	6.285E-36	1.319E-35	-0.20058	chr19_44812401_448126(	sig	hypo
chr19	4.5E+07	4.5E+07	*	2.896E-44	7.031E-44	-0.11748	chr19_44813401_448136(	sig	hypo
chr19	4.5E+07	4.5E+07	*	1.079E-08	1.102E-08	0.112741	chr19_45069201_450694(	sig	hyper
chr19	4.5E+07	4.5E+07	*	6.14E-166	8.05E-165	0.162478	chr19_45152201_451524(	sig	hyper
chr19	4.5E+07	4.5E+07	*	5.7E-111	3.6E-110	0.176657	chr19_45152801_451530(	sig	hyper
chr19	4.5E+07	4.5E+07	*	1.04E-157	1.22E-156	0.162826	chr19_45153001_451532(	sig	hyper
chr19	4.5E+07	4.5E+07	*	2.243E-80	9.362E-80	0.199399	chr19_45217401_452176(	sig	hyper
chr19	4.5E+07	4.5E+07	*	2.393E-77	9.567E-77	0.337171	chr19_45385401_453856(	sig	hyper
chr19	4.5E+07	4.5E+07	*	2.394E-74	9.16E-74	0.259854	chr19_45398201_453984(	sig	hyper

chr19	4.5E+07	4.5E+07	*	1.265E-32	2.493E-32	0.133434	chr19_45472601_454728(	sig	hyper
chr19	4.5E+07	4.5E+07	*	3.182E-41	7.34E-41	0.139069	chr19_45472801_454730(	sig	hyper
chr19	4.5E+07	4.5E+07	*	5.135E-48	1.327E-47	0.160693	chr19_45499201_454994(	sig	hyper
chr19	4.6E+07	4.6E+07	*	2.28E-104	1.31E-103	0.168482	chr19_45529401_455296(	sig	hyper
chr19	4.6E+07	4.6E+07	*	1.06E-118	7.43E-118	0.164859	chr19_45553601_455538(	sig	hyper
chr19	4.6E+07	4.6E+07	*	6.77E-23	1.083E-22	0.163618	chr19_45553801_455540(	sig	hyper
chr19	4.6E+07	4.6E+07	*	3.826E-71	1.401E-70	-0.2434	chr19_45640801_456410(	sig	hypo
chr19	4.6E+07	4.6E+07	*	0	0	0.394148	chr19_45767001_457672(	sig	hyper
chr19	4.6E+07	4.6E+07	*	1.182E-21	1.835E-21	0.122219	chr19_45771801_457720(	sig	hyper
chr19	4.6E+07	4.6E+07	*	2.069E-96	1.077E-95	0.256636	chr19_45783201_457834(	sig	hyper
chr19	4.6E+07	4.6E+07	*	1.42E-32	2.797E-32	-0.1085	chr19_45804401_458046(	sig	hypo
chr19	4.6E+07	4.6E+07	*	6.452E-20	9.581E-20	-0.11783	chr19_45804601_458048(	sig	hypo
chr19	4.6E+07	4.6E+07	*	3.375E-18	4.783E-18	-0.11978	chr19_45804801_458050(	sig	hypo
chr19	4.6E+07	4.6E+07	*	4.94E-183	8.13E-182	0.288539	chr19_45815201_458154(	sig	hyper
chr19	4.6E+07	4.6E+07	*	5.008E-23	8.046E-23	0.172139	chr19_45901201_459014(	sig	hyper
chr19	4.6E+07	4.6E+07	*	1.014E-52	2.82E-52	0.303172	chr19_45901401_459016(	sig	hyper
chr19	4.6E+07	4.6E+07	*	4.583E-33	9.112E-33	-0.16112	chr19_45905201_459054(	sig	hypo
chr19	4.6E+07	4.6E+07	*	2.572E-55	7.466E-55	0.255423	chr19_45952801_459530(	sig	hyper
chr19	4.6E+07	4.6E+07	*	2.15E-105	1.25E-104	0.278962	chr19_46079001_460792(	sig	hyper
chr19	4.6E+07	4.6E+07	*	8.608E-24	1.408E-23	-0.10088	chr19_46303601_463038(	sig	hypo
chr19	4.6E+07	4.6E+07	*	1.84E-183	3.05E-182	0.339236	chr19_46412401_464126(	sig	hyper
chr19	4.6E+07	4.6E+07	*	2.45E-169	3.38E-168	0.283692	chr19_46413201_464134(	sig	hyper
chr19	4.6E+07	4.6E+07	*	2.536E-96	1.319E-95	0.195265	chr19_46413401_464136(	sig	hyper
chr19	4.6E+07	4.6E+07	*	8.365E-63	2.716E-62	0.119666	chr19_46426601_464268(	sig	hyper
chr19	4.6E+07	4.6E+07	*	2.82E-245	1.08E-243	0.242918	chr19_46426801_464270(	sig	hyper
chr19	4.6E+07	4.6E+07	*	3.267E-55	9.463E-55	-0.20276	chr19_46466601_464668(	sig	hypo
chr19	4.6E+07	4.6E+07	*	3.016E-52	8.313E-52	-0.2462	chr19_46468001_464682(	sig	hypo
chr19	4.6E+07	4.6E+07	*	2.74E-88	1.277E-87	0.24665	chr19_46471601_464718(	sig	hyper
chr19	4.6E+07	4.6E+07	*	6.779E-78	2.731E-77	0.114321	chr19_46489601_464898(	sig	hyper
chr19	4.6E+07	4.6E+07	*	2.876E-41	6.64E-41	0.10474	chr19_46495801_464960(	sig	hyper
chr19	4.6E+07	4.6E+07	*	1.588E-20	2.396E-20	0.105155	chr19_46496001_464962(	sig	hyper
chr19	4.7E+07	4.7E+07	*	4.076E-71	1.492E-70	-0.15583	chr19_46636001_466362(	sig	hypo
chr19	4.7E+07	4.7E+07	*	1.038E-08	1.06E-08	0.123408	chr19_46697201_466974(	sig	hyper
chr19	4.7E+07	4.7E+07	*	3.954E-82	1.691E-81	0.180394	chr19_47021801_470220(	sig	hyper
chr19	4.7E+07	4.7E+07	*	6.549E-26	1.127E-25	0.121099	chr19_47239401_472396(	sig	hyper
chr19	4.7E+07	4.7E+07	*	9.235E-71	3.36E-70	0.213147	chr19_47275401_472756(	sig	hyper
chr19	4.7E+07	4.7E+07	*	3.774E-10	4.114E-10	-0.13262	chr19_47432401_474326(	sig	hypo
chr19	4.8E+07	4.8E+07	*	2.261E-50	6.062E-50	-0.11964	chr19_47716801_477170(	sig	hypo
chr19	4.8E+07	4.8E+07	*	7.1E-63	2.307E-62	-0.23733	chr19_48297201_482974(	sig	hypo
chr19	4.8E+07	4.8E+07	*	2.19E-219	5.9E-218	0.415188	chr19_48414801_484150(	sig	hyper
chr19	4.8E+07	4.8E+07	*	2.13E-136	1.87E-135	0.31975	chr19_48444201_484444(	sig	hyper
chr19	4.8E+07	4.8E+07	*	0	0	0.308936	chr19_48480201_484804(	sig	hyper
chr19	4.8E+07	4.8E+07	*	7.08E-129	5.63E-128	0.352701	chr19_48480801_484810(	sig	hyper
chr19	4.8E+07	4.8E+07	*	2.968E-53	8.326E-53	0.125162	chr19_48485001_484852(	sig	hyper
chr19	4.8E+07	4.8E+07	*	1.354E-29	2.511E-29	0.151006	chr19_48485201_484854(	sig	hyper
chr19	4.9E+07	4.9E+07	*	2.802E-73	1.054E-72	-0.21533	chr19_48551601_485518(	sig	hypo
chr19	4.9E+07	4.9E+07	*	5.298E-12	6.203E-12	-0.10965	chr19_48613401_486136(	sig	hypo
chr19	4.9E+07	4.9E+07	*	1.037E-17	1.452E-17	-0.13383	chr19_48616601_486168(	sig	hypo
chr19	4.9E+07	4.9E+07	*	5.08E-151	5.51E-150	-0.37864	chr19_48640001_486402(	sig	hypo
chr19	4.9E+07	4.9E+07	*	2.736E-63	8.956E-63	0.25798	chr19_48728801_487290(	sig	hyper
chr19	4.9E+07	4.9E+07	*	3.814E-41	8.784E-41	0.228443	chr19_48729201_487294(	sig	hyper
chr19	4.9E+07	4.9E+07	*	2.855E-38	6.262E-38	0.161067	chr19_48735001_487352(	sig	hyper
chr19	4.9E+07	4.9E+07	*	2.454E-50	6.576E-50	-0.17966	chr19_48741201_487414(	sig	hypo
chr19	4.9E+07	4.9E+07	*	3.292E-27	5.823E-27	-0.12731	chr19_48741401_487416(	sig	hypo
chr19	4.9E+07	4.9E+07	*	2.404E-92	1.179E-91	0.226152	chr19_48745801_487460(	sig	hyper
chr19	4.9E+07	4.9E+07	*	8.041E-80	3.335E-79	0.276368	chr19_48746601_487468(	sig	hyper

chr19	4.9E+07	4.9E+07	*	9.28E-231	2.85E-229	0.295366	chr19_48746801_487470(	sig	hyper
chr19	4.9E+07	4.9E+07	*	3.889E-68	1.362E-67	0.259998	chr19_48747201_487474(	sig	hyper
chr19	4.9E+07	4.9E+07	*	1.628E-39	3.647E-39	0.137158	chr19_48836001_488362(	sig	hyper
chr19	4.9E+07	4.9E+07	*	9.84E-265	4.77E-263	0.354479	chr19_48837201_488374(	sig	hyper
chr19	4.9E+07	4.9E+07	*	1.412E-48	3.683E-48	0.184338	chr19_48896401_488966(	sig	hyper
chr19	4.9E+07	4.9E+07	*	1.337E-45	3.311E-45	-0.21046	chr19_48966601_489668(	sig	hypo
chr19	4.9E+07	4.9E+07	*	1.01E-11	1.172E-11	0.103614	chr19_49031801_490320(	sig	hyper
chr19	4.9E+07	4.9E+07	*	3.185E-57	9.536E-57	-0.23487	chr19_49037001_490372(	sig	hypo
chr19	4.9E+07	4.9E+07	*	1.36E-147	1.4E-146	-0.30726	chr19_49043401_490436(	sig	hypo
chr19	4.9E+07	4.9E+07	*	3.054E-65	1.029E-64	-0.20122	chr19_49043601_490438(	sig	hypo
chr19	4.9E+07	4.9E+07	*	8.024E-23	1.282E-22	-0.10953	chr19_49049201_490494(	sig	hypo
chr19	4.9E+07	4.9E+07	*	2.967E-90	1.42E-89	-0.24709	chr19_49049401_490496(	sig	hypo
chr19	4.9E+07	4.9E+07	*	6.152E-97	3.225E-96	-0.32239	chr19_49050401_490506(	sig	hypo
chr19	4.9E+07	4.9E+07	*	1.432E-37	3.11E-37	0.120771	chr19_49057001_490572(	sig	hyper
chr19	4.9E+07	4.9E+07	*	1.733E-66	5.941E-66	0.131958	chr19_49058001_490582(	sig	hyper
chr19	4.9E+07	4.9E+07	*	1.204E-21	1.868E-21	0.224379	chr19_49058201_490584(	sig	hyper
chr19	4.9E+07	4.9E+07	*	1.902E-10	2.099E-10	0.107559	chr19_49059201_490594(	sig	hyper
chr19	4.9E+07	4.9E+07	*	9.772E-59	2.986E-58	-0.17113	chr19_49061601_490618(	sig	hypo
chr19	4.9E+07	4.9E+07	*	7.756E-20	1.149E-19	-0.13319	chr19_49073801_490740(	sig	hypo
chr19	4.9E+07	4.9E+07	*	5.62E-131	4.6E-130	0.290833	chr19_49133001_491332(	sig	hyper
chr19	4.9E+07	4.9E+07	*	0	0	0.356386	chr19_49133201_491334(	sig	hyper
chr19	4.9E+07	4.9E+07	*	5.3E-250	2.12E-248	0.22542	chr19_49142801_491430(	sig	hyper
chr19	4.9E+07	4.9E+07	*	5.131E-68	1.794E-67	0.230309	chr19_49165401_491656(	sig	hyper
chr19	4.9E+07	4.9E+07	*	2.207E-55	6.414E-55	0.120998	chr19_49182601_491828(	sig	hyper
chr19	4.9E+07	4.9E+07	*	1.49E-178	2.32E-177	0.335353	chr19_49196601_491968(	sig	hyper
chr19	4.9E+07	4.9E+07	*	8.262E-37	1.768E-36	-0.13346	chr19_49200601_492008(	sig	hypo
chr19	4.9E+07	4.9E+07	*	1.129E-29	2.097E-29	0.261108	chr19_49210201_492104(	sig	hyper
chr19	4.9E+07	4.9E+07	*	3.44E-80	1.434E-79	0.272207	chr19_49210601_492108(	sig	hyper
chr19	4.9E+07	4.9E+07	*	6.379E-63	2.074E-62	0.206064	chr19_49210801_492110(	sig	hyper
chr19	4.9E+07	4.9E+07	*	1.37E-34	2.81E-34	0.172946	chr19_49338601_493388(	sig	hyper
chr19	4.9E+07	4.9E+07	*	1.688E-20	2.546E-20	0.135953	chr19_49339801_493400(	sig	hyper
chr19	4.9E+07	4.9E+07	*	1.388E-56	4.11E-56	0.116826	chr19_49422401_494226(	sig	hyper
chr19	4.9E+07	4.9E+07	*	5.009E-35	1.036E-34	0.120242	chr19_49428401_494286(	sig	hyper
chr19	4.9E+07	4.9E+07	*	6.121E-24	1.004E-23	0.100043	chr19_49431001_494312(	sig	hyper
chr19	4.9E+07	4.9E+07	*	7.869E-47	1.995E-46	0.117675	chr19_49432401_494326(	sig	hyper
chr19	4.9E+07	4.9E+07	*	1.123E-46	2.837E-46	0.123287	chr19_49432601_494328(	sig	hyper
chr19	4.9E+07	4.9E+07	*	1.503E-97	7.929E-97	0.348134	chr19_49433001_494332(	sig	hyper
chr19	4.9E+07	4.9E+07	*	4.018E-20	6.001E-20	0.137723	chr19_49436201_494364(	sig	hyper
chr19	4.9E+07	4.9E+07	*	0	0	0.289042	chr19_49436601_494368(	sig	hyper
chr19	4.9E+07	4.9E+07	*	7.033E-37	1.507E-36	-0.137	chr19_49489801_494900(	sig	hypo
chr19	4.9E+07	4.9E+07	*	9.288E-18	1.302E-17	-0.1299	chr19_49490601_494908(	sig	hypo
chr19	5E+07	5E+07	*	4.775E-30	8.937E-30	0.160738	chr19_49527601_495278(	sig	hyper
chr19	5E+07	5E+07	*	1.807E-50	4.846E-50	0.223613	chr19_49527801_495280(	sig	hyper
chr19	5E+07	5E+07	*	2.774E-20	4.161E-20	0.130151	chr19_49690001_496902(	sig	hyper
chr19	5E+07	5E+07	*	3.802E-40	8.618E-40	0.107962	chr19_49719601_497198(	sig	hyper
chr19	5E+07	5E+07	*	7.649E-33	1.514E-32	0.206926	chr19_49809601_498098(	sig	hyper
chr19	5E+07	5E+07	*	5.65E-101	3.11E-100	0.145367	chr19_49813001_498132(	sig	hyper
chr19	5E+07	5E+07	*	8.023E-65	2.687E-64	0.15767	chr19_49852201_498524(	sig	hyper
chr19	5E+07	5E+07	*	4.917E-43	1.17E-42	0.132702	chr19_50259001_502592(	sig	hyper
chr19	5E+07	5E+07	*	2.27E-82	9.738E-82	0.154193	chr19_50358401_503586(	sig	hyper
chr19	5E+07	5E+07	*	1.22E-178	1.91E-177	0.178544	chr19_50358601_503588(	sig	hyper
chr19	5E+07	5E+07	*	6.942E-52	1.904E-51	0.18743	chr19_50419201_504194(	sig	hyper
chr19	5E+07	5E+07	*	1.829E-90	8.781E-90	0.187554	chr19_50428001_504282(	sig	hyper
chr19	5E+07	5E+07	*	1.52E-137	1.36E-136	0.185363	chr19_50428201_504284(	sig	hyper
chr19	5.1E+07	5.1E+07	*	1.679E-24	2.791E-24	-0.15427	chr19_50548601_505488(	sig	hypo
chr19	5.1E+07	5.1E+07	*	9.985E-26	1.709E-25	0.157484	chr19_50607801_506080(	sig	hyper

chr19	5.1E+07	5.1E+07	*	2.64E-142	2.51E-141	0.198127	chr19_50608001_506082(	sig	hyper
chr19	5.1E+07	5.1E+07	*	4.933E-30	9.23E-30	0.182982	chr19_50639001_506392(	sig	hyper
chr19	5.1E+07	5.1E+07	*	2.26E-171	3.21E-170	0.243422	chr19_50639201_506394(	sig	hyper
chr19	5.1E+07	5.1E+07	*	1.288E-67	4.482E-67	0.238019	chr19_50640001_506402(	sig	hyper
chr19	5.1E+07	5.1E+07	*	2.076E-93	1.035E-92	0.210787	chr19_50695601_506958(	sig	hyper
chr19	5.1E+07	5.1E+07	*	2.431E-18	3.46E-18	-0.11609	chr19_50716801_507170(	sig	hypo
chr19	5.1E+07	5.1E+07	*	2.477E-17	3.428E-17	-0.13302	chr19_50717001_507172(	sig	hypo
chr19	5.1E+07	5.1E+07	*	2.07E-103	1.17E-102	-0.29723	chr19_50717201_507174(	sig	hypo
chr19	5.1E+07	5.1E+07	*	8.861E-15	1.141E-14	0.114399	chr19_50723001_507232(	sig	hyper
chr19	5.1E+07	5.1E+07	*	1.597E-33	3.203E-33	0.20139	chr19_50724001_507242(	sig	hyper
chr19	5.1E+07	5.1E+07	*	1.642E-53	4.629E-53	0.235973	chr19_50728201_507284(	sig	hyper
chr19	5.1E+07	5.1E+07	*	8.62E-141	8.04E-140	0.302528	chr19_50728401_507286(	sig	hyper
chr19	5.1E+07	5.1E+07	*	1.762E-83	7.671E-83	0.284505	chr19_50728601_507288(	sig	hyper
chr19	5.1E+07	5.1E+07	*	1.159E-19	1.709E-19	-0.11763	chr19_50790201_507904(	sig	hypo
chr19	5.1E+07	5.1E+07	*	4.067E-44	9.847E-44	0.135657	chr19_50827001_508272(	sig	hyper
chr19	5.1E+07	5.1E+07	*	4.262E-66	1.453E-65	0.162208	chr19_50908401_509086(	sig	hyper
chr19	5.1E+07	5.1E+07	*	7.818E-35	1.611E-34	-0.1845	chr19_51034801_510350(	sig	hypo
chr19	5.1E+07	5.1E+07	*	3.359E-25	5.672E-25	0.127163	chr19_51104001_511042(	sig	hyper
chr19	5.1E+07	5.1E+07	*	9.709E-23	1.547E-22	0.120535	chr19_51181801_511820(	sig	hyper
chr19	5.1E+07	5.1E+07	*	2.184E-24	3.62E-24	-0.14393	chr19_51323601_513238(	sig	hypo
chr19	5.1E+07	5.1E+07	*	1.166E-52	3.24E-52	0.163934	chr19_51327801_513280(	sig	hyper
chr19	5.2E+07	5.2E+07	*	3.371E-29	6.198E-29	0.186724	chr19_51601001_516012(	sig	hyper
chr19	5.2E+07	5.2E+07	*	5.95E-110	3.71E-109	0.344458	chr19_51719201_517194(	sig	hyper
chr19	5.2E+07	5.2E+07	*	1.649E-34	3.377E-34	0.128395	chr19_51724601_517248(	sig	hyper
chr19	5.2E+07	5.2E+07	*	3.472E-23	5.6E-23	0.135546	chr19_51948801_519490(	sig	hyper
chr19	5.2E+07	5.2E+07	*	0	0	0.301206	chr19_51949001_519492(	sig	hyper
chr19	5.2E+07	5.2E+07	*	6.68E-135	5.76E-134	0.249026	chr19_51949201_519494(	sig	hyper
chr19	5.2E+07	5.2E+07	*	2.384E-97	1.256E-96	0.128744	chr19_52336201_523364(	sig	hyper
chr19	5.2E+07	5.2E+07	*	4.02E-157	4.68E-156	0.152145	chr19_52336401_523366(	sig	hyper
chr19	5.2E+07	5.2E+07	*	4.51E-160	5.47E-159	0.217792	chr19_52369801_523700(	sig	hyper
chr19	5.2E+07	5.2E+07	*	1.222E-89	5.8E-89	0.210621	chr19_52370001_523702(	sig	hyper
chr19	5.2E+07	5.2E+07	*	1.78E-162	2.24E-161	0.192012	chr19_52370201_523704(	sig	hyper
chr19	5.2E+07	5.2E+07	*	1.09E-120	7.82E-120	0.225424	chr19_52397801_523980(	sig	hyper
chr19	5.2E+07	5.2E+07	*	1.2E-204	2.67E-203	0.274893	chr19_52398001_523982(	sig	hyper
chr19	5.2E+07	5.2E+07	*	1.942E-21	2.995E-21	0.124166	chr19_52451201_524514(	sig	hyper
chr19	5.2E+07	5.2E+07	*	2.47E-259	1.11E-257	0.281178	chr19_52453401_524536(	sig	hyper
chr19	5.2E+07	5.2E+07	*	4.28E-104	2.45E-103	0.323538	chr19_52453601_524538(	sig	hyper
chr19	5.2E+07	5.2E+07	*	4.553E-93	2.255E-92	0.325214	chr19_52453801_524540(	sig	hyper
chr19	5.2E+07	5.2E+07	*	3.746E-94	1.885E-93	0.305866	chr19_52492801_524930(	sig	hyper
chr19	5.2E+07	5.2E+07	*	1.55E-201	3.33E-200	0.356519	chr19_52493201_524934(	sig	hyper
chr19	5.3E+07	5.3E+07	*	4.174E-79	1.713E-78	0.2466	chr19_52535801_525360(	sig	hyper
chr19	5.3E+07	5.3E+07	*	1.64E-242	6E-241	0.338676	chr19_52536001_525362(	sig	hyper
chr19	5.3E+07	5.3E+07	*	1.39E-140	1.29E-139	0.309055	chr19_52536201_525364(	sig	hyper
chr19	5.3E+07	5.3E+07	*	3.358E-81	1.414E-80	0.118058	chr19_52570401_525706(	sig	hyper
chr19	5.3E+07	5.3E+07	*	2.54E-109	1.57E-108	0.133216	chr19_52570601_525708(	sig	hyper
chr19	5.3E+07	5.3E+07	*	7.255E-50	1.931E-49	0.162089	chr19_52585001_525852(	sig	hyper
chr19	5.3E+07	5.3E+07	*	3.063E-80	1.277E-79	0.130419	chr19_52585201_525854(	sig	hyper
chr19	5.3E+07	5.3E+07	*	4.271E-57	1.275E-56	0.100723	chr19_52689801_526900(	sig	hyper
chr19	5.3E+07	5.3E+07	*	1.188E-85	5.323E-85	0.130084	chr19_52690601_526908(	sig	hyper
chr19	5.3E+07	5.3E+07	*	1.39E-192	2.63E-191	0.319987	chr19_53058001_530582(	sig	hyper
chr19	5.3E+07	5.3E+07	*	5.83E-238	2E-236	0.351711	chr19_53058201_530584(	sig	hyper
chr19	5.3E+07	5.3E+07	*	4.054E-70	1.462E-69	0.256809	chr19_53058601_530588(	sig	hyper
chr19	5.3E+07	5.3E+07	*	2.3E-283	1.37E-281	0.273314	chr19_53132801_531330(	sig	hyper
chr19	5.3E+07	5.3E+07	*	2.513E-38	5.516E-38	0.123425	chr19_53158801_531590(	sig	hyper
chr19	5.3E+07	5.3E+07	*	1.26E-161	1.57E-160	0.151396	chr19_53159001_531592(	sig	hyper
chr19	5.3E+07	5.3E+07	*	1.98E-149	2.09E-148	0.184143	chr19_53159201_531594(	sig	hyper

chr19	5.3E+07	5.3E+07	*	5.604E-81	2.354E-80	0.156782	chr19_53159401_531596(	sig	hyper
chr19	5.3E+07	5.3E+07	*	1.21E-149	1.29E-148	0.254945	chr19_53255001_532552(	sig	hyper
chr19	5.3E+07	5.3E+07	*	1.98E-217	5.21E-216	0.346975	chr19_53255201_532554(	sig	hyper
chr19	5.3E+07	5.3E+07	*	9.38E-285	5.71E-283	0.300602	chr19_53308601_533088(	sig	hyper
chr19	5.3E+07	5.3E+07	*	2.625E-09	2.756E-09	-0.10535	chr19_53311001_533112(	sig	hypo
chr19	5.3E+07	5.3E+07	*	1.144E-48	2.987E-48	0.253724	chr19_53329001_533292(	sig	hyper
chr19	5.3E+07	5.3E+07	*	1.045E-36	2.23E-36	0.155439	chr19_53396201_533964(	sig	hyper
chr19	5.3E+07	5.3E+07	*	2.64E-114	1.75E-113	0.215916	chr19_53467401_534676(	sig	hyper
chr19	5.3E+07	5.3E+07	*	1.08E-231	3.38E-230	0.200579	chr19_53467601_534678(	sig	hyper
chr19	5.3E+07	5.3E+07	*	2.37E-180	3.78E-179	0.153765	chr19_53467801_534680(	sig	hyper
chr19	5.4E+07	5.4E+07	*	1.72E-244	6.49E-243	0.206454	chr19_53520601_535208(	sig	hyper
chr19	5.4E+07	5.4E+07	*	2.453E-87	1.127E-86	0.156682	chr19_53521001_535212(	sig	hyper
chr19	5.4E+07	5.4E+07	*	4.462E-87	2.04E-86	0.246165	chr19_53521201_535214(	sig	hyper
chr19	5.4E+07	5.4E+07	*	3.16E-226	9.17E-225	0.317174	chr19_53521401_535216(	sig	hyper
chr19	5.4E+07	5.4E+07	*	1.737E-42	4.093E-42	0.108703	chr19_53538001_535382(	sig	hyper
chr19	5.4E+07	5.4E+07	*	3.163E-88	1.472E-87	0.268942	chr19_53907801_539080(	sig	hyper
chr19	5.4E+07	5.4E+07	*	6.274E-46	1.563E-45	0.191666	chr19_53908201_539084(	sig	hyper
chr19	5.4E+07	5.4E+07	*	9.2E-115	6.15E-114	0.370482	chr19_53942601_539428(	sig	hyper
chr19	5.4E+07	5.4E+07	*	2.3E-84	1.015E-83	0.334284	chr19_53978201_539784(	sig	hyper
chr19	5.4E+07	5.4E+07	*	6.87E-109	4.22E-108	0.188616	chr19_53993001_539932(	sig	hyper
chr19	5.4E+07	5.4E+07	*	9.144E-95	4.656E-94	0.258741	chr19_54164401_541646(	sig	hyper
chr19	5.4E+07	5.4E+07	*	1.487E-55	4.335E-55	0.156107	chr19_54164601_541648(	sig	hyper
chr19	5.4E+07	5.4E+07	*	4.29E-275	2.36E-273	-0.29919	chr19_54365001_543652(	sig	hypo
chr19	5.4E+07	5.4E+07	*	2.021E-12	2.403E-12	0.113796	chr19_54418201_544184(	sig	hyper
chr19	5.5E+07	5.5E+07	*	6.239E-54	1.772E-53	-0.17654	chr19_54502601_545028(	sig	hypo
chr19	5.5E+07	5.5E+07	*	2.477E-29	4.567E-29	-0.10167	chr19_55038401_550386(	sig	hypo
chr19	5.5E+07	5.5E+07	*	2.38E-263	1.12E-261	0.349483	chr19_55087401_550876(	sig	hyper
chr19	5.5E+07	5.5E+07	*	1.2E-136	1.06E-135	0.319474	chr19_55087601_550878(	sig	hyper
chr19	5.5E+07	5.5E+07	*	1.184E-50	3.184E-50	0.214684	chr19_55118801_551190(	sig	hyper
chr19	5.5E+07	5.5E+07	*	1.842E-23	2.989E-23	0.119916	chr19_55156801_551570(	sig	hyper
chr19	5.5E+07	5.5E+07	*	3.18E-24	5.252E-24	0.124809	chr19_55179001_551792(	sig	hyper
chr19	5.5E+07	5.5E+07	*	6.823E-41	1.565E-40	-0.2146	chr19_55276601_552768(	sig	hypo
chr19	5.5E+07	5.5E+07	*	2.068E-19	3.032E-19	-0.1217	chr19_55287001_552872(	sig	hypo
chr19	5.5E+07	5.5E+07	*	3.593E-37	7.744E-37	-0.13482	chr19_55302601_553028(	sig	hypo
chr19	5.5E+07	5.5E+07	*	1.1E-71	4.05E-71	-0.19667	chr19_55359001_553592(	sig	hypo
chr19	5.5E+07	5.5E+07	*	1.216E-54	3.49E-54	-0.24852	chr19_55376401_553766(	sig	hypo
chr19	5.5E+07	5.5E+07	*	1.174E-21	1.822E-21	-0.13596	chr19_55376601_553768(	sig	hypo
chr19	5.5E+07	5.5E+07	*	3.499E-27	6.185E-27	0.175648	chr19_55377601_553778(	sig	hyper
chr19	5.5E+07	5.5E+07	*	8.367E-57	2.485E-56	0.21959	chr19_55377801_553780(	sig	hyper
chr19	5.5E+07	5.5E+07	*	3.092E-31	5.923E-31	0.166347	chr19_55378001_553782(	sig	hyper
chr19	5.5E+07	5.5E+07	*	2.453E-51	6.665E-51	-0.18774	chr19_55406801_554070(	sig	hypo
chr19	5.5E+07	5.5E+07	*	1.567E-40	3.574E-40	-0.18926	chr19_55432801_554330(	sig	hypo
chr19	5.5E+07	5.5E+07	*	3.228E-80	1.346E-79	0.311256	chr19_55452601_554528(	sig	hyper
chr19	5.5E+07	5.5E+07	*	3.615E-47	9.22E-47	0.222752	chr19_55487401_554876(	sig	hyper
chr19	5.6E+07	5.6E+07	*	2.719E-13	3.339E-13	-0.11279	chr19_55547201_555474(	sig	hypo
chr19	5.6E+07	5.6E+07	*	7.384E-70	2.653E-69	0.21713	chr19_55640201_556404(	sig	hyper
chr19	5.6E+07	5.6E+07	*	4.23E-190	7.74E-189	0.265439	chr19_55647801_556480(	sig	hyper
chr19	5.6E+07	5.6E+07	*	2.898E-52	7.99E-52	0.146629	chr19_55704001_557042(	sig	hyper
chr19	5.6E+07	5.6E+07	*	7.498E-42	1.749E-41	-0.12881	chr19_55836401_558366(	sig	hypo
chr19	5.6E+07	5.6E+07	*	1.659E-35	3.461E-35	-0.1065	chr19_55858001_558582(	sig	hypo
chr19	5.6E+07	5.6E+07	*	2.17E-130	1.76E-129	0.265467	chr19_56368001_563682(	sig	hyper
chr19	5.6E+07	5.6E+07	*	8.4E-142	7.93E-141	0.310086	chr19_56368401_563686(	sig	hyper
chr19	5.6E+07	5.6E+07	*	4.235E-83	1.835E-82	0.198538	chr19_56393201_563934(	sig	hyper
chr19	5.6E+07	5.6E+07	*	3.05E-131	2.51E-130	0.196659	chr19_56393401_563936(	sig	hyper
chr19	5.6E+07	5.6E+07	*	2.17E-223	6.12E-222	0.295097	chr19_56393601_563938(	sig	hyper
chr19	5.6E+07	5.6E+07	*	1.327E-93	6.638E-93	0.253041	chr19_56393801_563940(	sig	hyper

chr19	5.6E+07	5.6E+07	*	1.745E-52	4.829E-52	0.136725	chr19_56403801_564040(	sig	hyper
chr19	5.6E+07	5.6E+07	*	6.91E-53	1.927E-52	0.256731	chr19_56476801_564770(	sig	hyper
chr19	5.6E+07	5.6E+07	*	4.37E-46	1.092E-45	0.238436	chr19_56477001_564772(	sig	hyper
chr19	5.7E+07	5.7E+07	*	2.024E-40	4.61E-40	0.200062	chr19_56507201_565074(	sig	hyper
chr19	5.7E+07	5.7E+07	*	8.82E-208	2.04E-206	0.300848	chr19_56507401_565076(	sig	hyper
chr19	5.7E+07	5.7E+07	*	4.37E-148	4.51E-147	0.336469	chr19_56507601_565078(	sig	hyper
chr19	5.7E+07	5.7E+07	*	1.239E-82	5.336E-82	0.220224	chr19_56538201_565384(	sig	hyper
chr19	5.7E+07	5.7E+07	*	5.112E-24	8.402E-24	0.139925	chr19_56568001_565682(	sig	hyper
chr19	5.7E+07	5.7E+07	*	1.274E-58	3.886E-58	0.250549	chr19_56642601_566428(	sig	hyper
chr19	5.7E+07	5.7E+07	*	1.42E-166	1.88E-165	0.315015	chr19_56671401_566716(	sig	hyper
chr19	5.7E+07	5.7E+07	*	4.63E-136	4.04E-135	0.292155	chr19_56671601_566718(	sig	hyper
chr19	5.7E+07	5.7E+07	*	7.68E-255	3.29E-253	0.270303	chr19_56765201_567654(	sig	hyper
chr19	5.7E+07	5.7E+07	*	3.931E-28	7.075E-28	0.232511	chr19_56837801_568380(	sig	hyper
chr19	5.7E+07	5.7E+07	*	4.937E-86	2.227E-85	0.175957	chr19_56838601_568388(	sig	hyper
chr19	5.7E+07	5.7E+07	*	9.108E-53	2.535E-52	0.170685	chr19_56840601_568408(	sig	hyper
chr19	5.7E+07	5.7E+07	*	1.853E-26	3.227E-26	0.181194	chr19_56840801_568410(	sig	hyper
chr19	5.7E+07	5.7E+07	*	7.89E-59	2.415E-58	0.239553	chr19_57099201_570994(	sig	hyper
chr19	5.7E+07	5.7E+07	*	1.58E-298	1.13E-296	0.359036	chr19_57099401_570996(	sig	hyper
chr19	5.7E+07	5.7E+07	*	5.728E-39	1.272E-38	0.151758	chr19_57119001_571192(	sig	hyper
chr19	5.7E+07	5.7E+07	*	7.035E-28	1.261E-27	0.112107	chr19_57191001_571912(	sig	hyper
chr19	5.7E+07	5.7E+07	*	1.91E-149	2.03E-148	0.124134	chr19_57191801_571920(	sig	hyper
chr19	5.7E+07	5.7E+07	*	3.95E-122	2.88E-121	0.23703	chr19_57192001_571922(	sig	hyper
chr19	5.7E+07	5.7E+07	*	1.841E-43	4.407E-43	0.186651	chr19_57192401_571926(	sig	hyper
chr19	5.7E+07	5.7E+07	*	5.759E-34	1.166E-33	0.104284	chr19_57230801_572310(	sig	hyper
chr19	5.7E+07	5.7E+07	*	2.73E-138	2.45E-137	0.31351	chr19_57240201_572404(	sig	hyper
chr19	5.7E+07	5.7E+07	*	1.64E-131	1.36E-130	0.275864	chr19_57317601_573178(	sig	hyper
chr19	5.7E+07	5.7E+07	*	9.03E-274	4.84E-272	0.130413	chr19_57320201_573204(	sig	hyper
chr19	5.7E+07	5.7E+07	*	3.67E-166	4.82E-165	0.117786	chr19_57320401_573206(	sig	hyper
chr19	5.7E+07	5.7E+07	*	8.51E-166	1.11E-164	0.223978	chr19_57320801_573210(	sig	hyper
chr19	5.7E+07	5.7E+07	*	6.62E-233	2.11E-231	0.216457	chr19_57351001_573512(	sig	hyper
chr19	5.7E+07	5.7E+07	*	6.93E-231	2.13E-229	0.334562	chr19_57351201_573514(	sig	hyper
chr19	5.7E+07	5.7E+07	*	8.93E-145	8.76E-144	0.199824	chr19_57363801_573640(	sig	hyper
chr19	5.8E+07	5.8E+07	*	3.738E-40	8.473E-40	0.12106	chr19_57527201_575274(	sig	hyper
chr19	5.8E+07	5.8E+07	*	1.24E-166	1.64E-165	0.175665	chr19_57527401_575276(	sig	hyper
chr19	5.8E+07	5.8E+07	*	4.99E-150	5.33E-149	0.268182	chr19_57583601_575838(	sig	hyper
chr19	5.8E+07	5.8E+07	*	6.86E-218	1.82E-216	0.365276	chr19_57584001_575842(	sig	hyper
chr19	5.8E+07	5.8E+07	*	2.483E-68	8.718E-68	0.111004	chr19_57600001_576002(	sig	hyper
chr19	5.8E+07	5.8E+07	*	4.08E-248	1.6E-246	0.240517	chr19_57600201_576004(	sig	hyper
chr19	5.8E+07	5.8E+07	*	5.645E-97	2.962E-96	0.138106	chr19_57614001_576142(	sig	hyper
chr19	5.8E+07	5.8E+07	*	1.64E-177	2.51E-176	0.13363	chr19_57614201_576144(	sig	hyper
chr19	5.8E+07	5.8E+07	*	2.12E-123	1.57E-122	0.296962	chr19_57614401_576146(	sig	hyper
chr19	5.8E+07	5.8E+07	*	4.86E-217	1.28E-215	0.317462	chr19_57614601_576148(	sig	hyper
chr19	5.8E+07	5.8E+07	*	2.694E-97	1.419E-96	0.187231	chr19_57664801_576650(	sig	hyper
chr19	5.8E+07	5.8E+07	*	7.548E-93	3.724E-92	0.306984	chr19_57708601_577088(	sig	hyper
chr19	5.8E+07	5.8E+07	*	5.91E-218	1.57E-216	0.286675	chr19_57709001_577092(	sig	hyper
chr19	5.8E+07	5.8E+07	*	2.04E-123	1.52E-122	0.226653	chr19_57709201_577094(	sig	hyper
chr19	5.8E+07	5.8E+07	*	9.04E-196	1.79E-194	0.293578	chr19_57888801_578890(	sig	hyper
chr19	5.8E+07	5.8E+07	*	4.62E-131	3.8E-130	0.349759	chr19_57934801_579350(	sig	hyper
chr19	5.8E+07	5.8E+07	*	3.19E-293	2.17E-291	0.372001	chr19_57935001_579352(	sig	hyper
chr19	5.8E+07	5.8E+07	*	8.63E-196	1.71E-194	0.291142	chr19_57935401_579356(	sig	hyper
chr19	5.8E+07	5.8E+07	*	5.36E-175	7.99E-174	0.191949	chr19_57947401_579476(	sig	hyper
chr19	5.8E+07	5.8E+07	*	0	0	0.152837	chr19_57947601_579478(	sig	hyper
chr19	5.8E+07	5.8E+07	*	2.49E-190	4.57E-189	0.157197	chr19_57947801_579480(	sig	hyper
chr19	5.8E+07	5.8E+07	*	9.7E-101	5.32E-100	0.168852	chr19_58002201_580024(	sig	hyper
chr19	5.8E+07	5.8E+07	*	0	0	0.30706	chr19_58009601_580098(	sig	hyper
chr19	5.8E+07	5.8E+07	*	3.68E-121	2.64E-120	0.293825	chr19_58033601_580338(	sig	hyper

chr19	5.8E+07	5.8E+07	*	8.632E-54	2.445E-53	0.275154	chr19_58033801_580340(	sig	hyper
chr19	5.8E+07	5.8E+07	*	1.74E-114	1.16E-113	0.240802	chr19_58043001_580432(	sig	hyper
chr19	5.8E+07	5.8E+07	*	0	0	0.425357	chr19_58059001_580592(	sig	hyper
chr19	5.8E+07	5.8E+07	*	0	0	0.20373	chr19_58098201_580984(	sig	hyper
chr19	5.8E+07	5.8E+07	*	1.63E-171	2.31E-170	0.235838	chr19_58098401_580986(	sig	hyper
chr19	5.8E+07	5.8E+07	*	7.152E-80	2.969E-79	0.264029	chr19_58118201_581184(	sig	hyper
chr19	5.8E+07	5.8E+07	*	3.24E-111	2.06E-110	0.260472	chr19_58118401_581186(	sig	hyper
chr19	5.8E+07	5.8E+07	*	5.14E-228	1.53E-226	0.29561	chr19_58118601_581188(	sig	hyper
chr19	5.8E+07	5.8E+07	*	6.633E-29	1.212E-28	0.105877	chr19_58118801_581190(	sig	hyper
chr19	5.8E+07	5.8E+07	*	6.98E-113	4.54E-112	0.21251	chr19_58155401_581556(	sig	hyper
chr19	5.8E+07	5.8E+07	*	3.09E-202	6.72E-201	0.307621	chr19_58203801_582040(	sig	hyper
chr19	5.8E+07	5.8E+07	*	2.281E-91	1.109E-90	0.267498	chr19_58204201_582044(	sig	hyper
chr19	5.8E+07	5.8E+07	*	3.67E-149	3.86E-148	0.296238	chr19_58204601_582048(	sig	hyper
chr19	5.8E+07	5.8E+07	*	1.221E-87	5.631E-87	0.22501	chr19_58217001_582172(	sig	hyper
chr19	5.8E+07	5.8E+07	*	9.12E-64	3.012E-63	0.171051	chr19_58217201_582174(	sig	hyper
chr19	5.8E+07	5.8E+07	*	2.767E-42	6.501E-42	0.120716	chr19_58228201_582284(	sig	hyper
chr19	5.8E+07	5.8E+07	*	1.49E-103	8.46E-103	0.125801	chr19_58228401_582286(	sig	hyper
chr19	5.8E+07	5.8E+07	*	2.443E-24	4.043E-24	0.117002	chr19_58229401_582296(	sig	hyper
chr19	5.8E+07	5.8E+07	*	2.58E-169	3.55E-168	0.332908	chr19_58350001_583502(	sig	hyper
chr19	5.8E+07	5.8E+07	*	7.99E-262	3.68E-260	0.400942	chr19_58350601_583508(	sig	hyper
chr19	5.8E+07	5.8E+07	*	8.53E-303	6.44E-301	0.314886	chr19_58356201_583564(	sig	hyper
chr19	5.8E+07	5.8E+07	*	4.28E-175	6.39E-174	0.229961	chr19_58367601_583678(	sig	hyper
chr19	5.8E+07	5.8E+07	*	8.93E-105	5.17E-104	0.261846	chr19_58368401_583686(	sig	hyper
chr19	5.8E+07	5.8E+07	*	1.89E-305	1.48E-303	0.227991	chr19_58440001_584402(	sig	hyper
chr19	5.8E+07	5.8E+07	*	0	0	0.347131	chr19_58440401_584406(	sig	hyper
chr19	5.8E+07	5.8E+07	*	3.68E-178	5.7E-177	0.283954	chr19_58440601_584408(	sig	hyper
chr19	5.8E+07	5.8E+07	*	2.08E-112	1.34E-111	0.211342	chr19_58440801_584410(	sig	hyper
chr19	5.8E+07	5.8E+07	*	1.008E-12	1.213E-12	-0.11224	chr19_58475001_584752(	sig	hypo
chr19	5.9E+07	5.9E+07	*	1.212E-27	2.162E-27	-0.1388	chr19_58513401_585136(	sig	hypo
chr19	5.9E+07	5.9E+07	*	2.07E-116	1.41E-115	0.22004	chr19_58562001_585622(	sig	hyper
chr19	5.9E+07	5.9E+07	*	8.81E-176	1.33E-174	0.240522	chr19_58581201_585814(	sig	hyper
chr20	327601	327800	*	2.645E-54	7.553E-54	0.226114	chr20_327601_327800	sig	hyper
chr20	419601	419800	*	6.345E-78	2.557E-77	-0.25204	chr20_419601_419800	sig	hypo
chr20	610601	610800	*	5.748E-19	8.326E-19	0.143436	chr20_610601_610800	sig	hyper
chr20	662001	662200	*	1.32E-99	7.13E-99	0.220291	chr20_662001_662200	sig	hyper
chr20	664401	664600	*	5.43E-146	5.43E-145	0.346992	chr20_664401_664600	sig	hyper
chr20	761001	761200	*	0	0	0.347611	chr20_761001_761200	sig	hyper
chr20	844801	845000	*	2.93E-177	4.47E-176	0.172213	chr20_844801_845000	sig	hyper
chr20	885001	885200	*	5.06E-42	1.184E-41	0.146424	chr20_885001_885200	sig	hyper
chr20	885201	885400	*	7.26E-303	5.5E-301	0.318839	chr20_885201_885400	sig	hyper
chr20	1002001	1002200	*	4.78E-142	4.53E-141	0.228501	chr20_1002001_1002200	sig	hyper
chr20	1323001	1323200	*	7.183E-20	1.065E-19	0.131787	chr20_1323001_1323200	sig	hyper
chr20	1802801	1803000	*	2.437E-55	7.078E-55	0.127254	chr20_1802801_1803000	sig	hyper
chr20	1894201	1894400	*	8.398E-83	3.625E-82	0.106457	chr20_1894201_1894400	sig	hyper
chr20	2207801	2208000	*	2.016E-41	4.667E-41	0.142076	chr20_2207801_2208000	sig	hyper
chr20	2559001	2559200	*	2.59E-137	2.3E-136	0.263853	chr20_2559001_2559200	sig	hyper
chr20	2753001	2753200	*	6.278E-61	1.981E-60	0.150666	chr20_2753001_2753200	sig	hyper
chr20	2840201	2840400	*	3.234E-24	5.339E-24	0.11616	chr20_2840201_2840400	sig	hyper
chr20	3072401	3072600	*	2.886E-07	2.744E-07	0.108692	chr20_3072401_3072600	sig	hyper
chr20	3081601	3081800	*	4.297E-21	6.574E-21	-0.12351	chr20_3081601_3081800	sig	hypo
chr20	3092601	3092800	*	6.086E-15	7.874E-15	0.13498	chr20_3092601_3092800	sig	hyper
chr20	3168601	3168800	*	8.767E-27	1.537E-26	-0.14018	chr20_3168601_3168800	sig	hypo
chr20	3240201	3240400	*	4.13E-102	2.31E-101	0.212843	chr20_3240201_3240400	sig	hyper
chr20	3407201	3407400	*	2.657E-85	1.187E-84	0.118987	chr20_3407201_3407400	sig	hyper
chr20	3408201	3408400	*	5.221E-52	1.435E-51	0.139423	chr20_3408201_3408400	sig	hyper
chr20	3408801	3409000	*	3.09E-140	2.86E-139	0.247318	chr20_3408801_3409000	sig	hyper

chr20	3712401	3712600	*	6.402E-29	1.171E-28	-0.16216	chr20_3712401_3712600	sig	hypo
chr20	3732601	3732800	*	2.674E-34	5.453E-34	0.136256	chr20_3732601_3732800	sig	hyper
chr20	3732801	3733000	*	4.14E-110	2.59E-109	0.187786	chr20_3732801_3733000	sig	hyper
chr20	3777401	3777600	*	1.036E-33	2.086E-33	0.173222	chr20_3777401_3777600	sig	hyper
chr20	3785801	3786000	*	3.925E-54	1.119E-53	0.12531	chr20_3785801_3786000	sig	hyper
chr20	4249401	4249600	*	1.91E-102	1.07E-101	0.114379	chr20_4249401_4249600	sig	hyper
chr20	4687401	4687600	*	1.339E-29	2.484E-29	0.188898	chr20_4687401_4687600	sig	hyper
chr20	4814601	4814800	*	2.864E-39	6.389E-39	-0.19227	chr20_4814601_4814800	sig	hypo
chr20	4815201	4815400	*	7.002E-79	2.863E-78	-0.28005	chr20_4815201_4815400	sig	hypo
chr20	4823401	4823600	*	3.757E-55	1.087E-54	0.180537	chr20_4823401_4823600	sig	hyper
chr20	5302201	5302400	*	4.35E-116	2.95E-115	-0.22156	chr20_5302201_5302400	sig	hypo
chr20	5315601	5315800	*	3.33E-303	2.53E-301	0.369522	chr20_5315601_5315800	sig	hyper
chr20	6052001	6052200	*	1.28E-100	7.01E-100	0.113659	chr20_6052001_6052200	sig	hyper
chr20	6215201	6215400	*	4.192E-18	5.926E-18	-0.12268	chr20_6215201_6215400	sig	hypo
chr20	6769801	6770000	*	1.195E-90	5.745E-90	0.253271	chr20_6769801_6770000	sig	hyper
chr20	8132801	8133000	*	3.75E-191	6.99E-190	0.292997	chr20_8132801_8133000	sig	hyper
chr20	9506401	9506600	*	8.606E-28	1.54E-27	0.229145	chr20_9506401_9506600	sig	hyper
chr20	9507201	9507400	*	1.299E-53	3.669E-53	0.269955	chr20_9507201_9507400	sig	hyper
chr20	9509001	9509200	*	2.1E-108	1.28E-107	0.295174	chr20_9509001_9509200	sig	hyper
chr20	9514601	9514800	*	5.4E-143	5.17E-142	0.17817	chr20_9514601_9514800	sig	hyper
chr20	9514801	9515000	*	1.58E-184	2.67E-183	0.198106	chr20_9514801_9515000	sig	hyper
chr20	9515801	9516000	*	2.15E-145	2.13E-144	0.288073	chr20_9515801_9516000	sig	hyper
chr20	9516601	9516800	*	3.224E-34	6.564E-34	0.175217	chr20_9516601_9516800	sig	hyper
chr20	9838601	9838800	*	2.43E-110	1.52E-109	0.310302	chr20_9838601_9838800	sig	hyper
chr20	1E+07	1E+07	*	2.27E-171	3.22E-170	0.216573	chr20_10218601_102188(	sig	hyper
chr20	1E+07	1E+07	*	2.11E-88	9.855E-88	0.180969	chr20_10218801_102190(	sig	hyper
chr20	1E+07	1E+07	*	3.141E-29	5.779E-29	0.136454	chr20_10219401_102196(	sig	hyper
chr20	1.4E+07	1.4E+07	*	2.903E-61	9.202E-61	0.117762	chr20_14226401_142266(	sig	hyper
chr20	1.7E+07	1.7E+07	*	9.39E-140	8.63E-139	-0.31049	chr20_16573801_165740(	sig	hypo
chr20	1.7E+07	1.7E+07	*	3.16E-180	5.04E-179	0.328336	chr20_17225801_172260(	sig	hyper
chr20	1.7E+07	1.7E+07	*	1.092E-28	1.988E-28	0.138721	chr20_17227401_172276(	sig	hyper
chr20	1.7E+07	1.7E+07	*	1.008E-27	1.801E-27	0.102606	chr20_17315401_173156(	sig	hyper
chr20	1.7E+07	1.7E+07	*	3.794E-85	1.69E-84	0.177139	chr20_17315601_173158(	sig	hyper
chr20	1.7E+07	1.7E+07	*	5.196E-55	1.5E-54	0.10917	chr20_17315801_173160(	sig	hyper
chr20	1.9E+07	1.9E+07	*	6.144E-30	1.147E-29	0.143401	chr20_18504601_185048(	sig	hyper
chr20	2E+07	2E+07	*	4.669E-52	1.283E-51	0.20126	chr20_19974801_199750(	sig	hyper
chr20	2E+07	2E+07	*	6.633E-24	1.087E-23	0.147385	chr20_19975001_199752(	sig	hyper
chr20	2E+07	2E+07	*	1.791E-76	7.071E-76	0.257337	chr20_20199801_202000(	sig	hyper
chr20	2E+07	2E+07	*	1.629E-55	4.745E-55	0.276292	chr20_20365401_203656(	sig	hyper
chr20	2.1E+07	2.1E+07	*	3.74E-194	7.21E-193	0.311968	chr20_21020401_210206(	sig	hyper
chr20	2.1E+07	2.1E+07	*	1.94E-136	1.7E-135	0.255289	chr20_21102001_211022(	sig	hyper
chr20	2.1E+07	2.1E+07	*	3.54E-117	2.43E-116	0.254333	chr20_21102201_211024(	sig	hyper
chr20	2.1E+07	2.1E+07	*	8.35E-134	7.11E-133	0.316829	chr20_21103601_211038(	sig	hyper
chr20	2.1E+07	2.1E+07	*	1.491E-58	4.542E-58	0.198384	chr20_21104201_211044(	sig	hyper
chr20	2.1E+07	2.1E+07	*	3.28E-100	1.79E-99	0.346586	chr20_21106001_211062(	sig	hyper
chr20	2.1E+07	2.1E+07	*	5.89E-17	8.061E-17	0.171711	chr20_21395801_213960(	sig	hyper
chr20	2.1E+07	2.1E+07	*	4.86E-244	1.82E-242	0.274543	chr20_21396201_213964(	sig	hyper
chr20	2.1E+07	2.1E+07	*	3.53E-110	2.21E-109	0.232477	chr20_21397401_213976(	sig	hyper
chr20	2.1E+07	2.1E+07	*	1.42E-110	8.92E-110	0.381223	chr20_21397801_213980(	sig	hyper
chr20	2.2E+07	2.2E+07	*	1.26E-129	1.01E-128	0.367504	chr20_21508401_215086(	sig	hyper
chr20	2.2E+07	2.2E+07	*	8.42E-209	1.97E-207	0.352107	chr20_21509401_215096(	sig	hyper
chr20	2.2E+07	2.2E+07	*	5.8E-156	6.65E-155	0.280829	chr20_21509801_215100(	sig	hyper
chr20	2.2E+07	2.2E+07	*	3.284E-94	1.659E-93	0.23197	chr20_21511001_215112(	sig	hyper
chr20	2.2E+07	2.2E+07	*	1.88E-136	1.65E-135	0.159769	chr20_21513801_215140(	sig	hyper
chr20	2.2E+07	2.2E+07	*	6.823E-82	2.906E-81	0.118032	chr20_21514001_215142(	sig	hyper
chr20	2.2E+07	2.2E+07	*	3.75E-103	2.11E-102	0.23213	chr20_21514801_215150(	sig	hyper

chr20	2.2E+07	2.2E+07	*	2.75E-186	4.78E-185	0.288208	chr20_21515401_215156(	sig	hyper
chr20	2.2E+07	2.2E+07	*	1.218E-65	4.128E-65	0.260749	chr20_21515801_215160(	sig	hyper
chr20	2.2E+07	2.2E+07	*	1.31E-147	1.35E-146	0.235708	chr20_21516001_215162(	sig	hyper
chr20	2.2E+07	2.2E+07	*	4.48E-105	2.6E-104	0.272597	chr20_21517401_215176(	sig	hyper
chr20	2.2E+07	2.2E+07	*	1.49E-250	6.02E-249	0.352512	chr20_21517601_215178(	sig	hyper
chr20	2.2E+07	2.2E+07	*	1.47E-132	1.23E-131	0.272972	chr20_21519201_215194(	sig	hyper
chr20	2.2E+07	2.2E+07	*	7.446E-93	3.675E-92	0.317487	chr20_21520601_215208(	sig	hyper
chr20	2.2E+07	2.2E+07	*	3.238E-77	1.293E-76	0.307977	chr20_21521001_215212(	sig	hyper
chr20	2.2E+07	2.2E+07	*	7.042E-28	1.262E-27	0.138941	chr20_21522001_215222(	sig	hyper
chr20	2.2E+07	2.2E+07	*	6.72E-131	5.51E-130	-0.37586	chr20_21608401_216086(	sig	hypo
chr20	2.2E+07	2.2E+07	*	5.67E-113	3.7E-112	0.28094	chr20_21701201_217014(	sig	hyper
chr20	2.2E+07	2.2E+07	*	5.352E-63	1.742E-62	0.239584	chr20_21702201_217024(	sig	hyper
chr20	2.2E+07	2.2E+07	*	3.5E-128	2.77E-127	0.342607	chr20_21702801_217030(	sig	hyper
chr20	2.2E+07	2.2E+07	*	4.25E-134	3.63E-133	0.380968	chr20_21703601_217038(	sig	hyper
chr20	2.2E+07	2.2E+07	*	3.35E-94	1.692E-93	0.292214	chr20_21705601_217058(	sig	hyper
chr20	2.2E+07	2.2E+07	*	2.62E-153	2.91E-152	0.310583	chr20_21706601_217068(	sig	hyper
chr20	2.2E+07	2.2E+07	*	2.72E-161	3.35E-160	0.315949	chr20_21713601_217138(	sig	hyper
chr20	2.2E+07	2.2E+07	*	2E-230	6.1E-229	0.320616	chr20_21713801_217140(	sig	hyper
chr20	2.3E+07	2.3E+07	*	3.519E-61	1.114E-60	0.334656	chr20_22568601_225688(	sig	hyper
chr20	2.3E+07	2.3E+07	*	5.025E-61	1.587E-60	0.178314	chr20_22569401_225696(	sig	hyper
chr20	2.3E+07	2.3E+07	*	6.396E-36	1.342E-35	0.208083	chr20_22576801_225770(	sig	hyper
chr20	2.3E+07	2.3E+07	*	4.887E-43	1.162E-42	0.153967	chr20_22582601_225828(	sig	hyper
chr20	2.3E+07	2.3E+07	*	4.088E-21	6.258E-21	0.123821	chr20_22587201_225874(	sig	hyper
chr20	2.3E+07	2.3E+07	*	1.283E-13	1.592E-13	0.112142	chr20_23035601_230358(	sig	hyper
chr20	2.3E+07	2.3E+07	*	1.743E-20	2.627E-20	-0.12483	chr20_23036001_230362(	sig	hypo
chr20	2.3E+07	2.3E+07	*	2.67E-116	1.81E-115	0.285466	chr20_23048201_230484(	sig	hyper
chr20	2.3E+07	2.3E+07	*	1.77E-194	3.44E-193	0.25412	chr20_23048601_230488(	sig	hyper
chr20	2.3E+07	2.3E+07	*	1.17E-259	5.24E-258	0.299974	chr20_23049401_230496(	sig	hyper
chr20	2.3E+07	2.3E+07	*	6.02E-117	4.12E-116	0.244363	chr20_23049601_230498(	sig	hyper
chr20	2.3E+07	2.3E+07	*	5.22E-109	3.21E-108	0.154407	chr20_23049801_230500(	sig	hyper
chr20	2.3E+07	2.3E+07	*	1.283E-20	1.941E-20	0.111776	chr20_23086401_230866(	sig	hyper
chr20	2.3E+07	2.3E+07	*	3.62E-32	7.067E-32	0.108174	chr20_23356201_233564(	sig	hyper
chr20	2.4E+07	2.4E+07	*	3.137E-50	8.392E-50	0.201313	chr20_24469001_244692(	sig	hyper
chr20	2.4E+07	2.4E+07	*	2.764E-85	1.234E-84	0.320301	chr20_24469201_244694(	sig	hyper
chr20	2.4E+07	2.4E+07	*	2.06E-145	2.04E-144	0.301876	chr20_24470001_244702(	sig	hyper
chr20	2.4E+07	2.4E+07	*	1.379E-98	7.365E-98	0.247765	chr20_24470401_244706(	sig	hyper
chr20	2.4E+07	2.4E+07	*	0	0	0.346793	chr20_24470801_244710(	sig	hyper
chr20	2.4E+07	2.4E+07	*	4.3E-103	2.42E-102	0.271091	chr20_24471001_244712(	sig	hyper
chr20	2.4E+07	2.4E+07	*	1.65E-150	1.78E-149	0.242246	chr20_24471201_244714(	sig	hyper
chr20	2.5E+07	2.5E+07	*	1.632E-71	5.998E-71	0.199875	chr20_25058601_250588(	sig	hyper
chr20	2.5E+07	2.5E+07	*	3.14E-162	3.92E-161	0.396891	chr20_25081001_250812(	sig	hyper
chr20	2.5E+07	2.5E+07	*	0	0	0.417505	chr20_25082001_250822(	sig	hyper
chr20	2.5E+07	2.5E+07	*	7.61E-234	2.44E-232	0.477471	chr20_25083201_250834(	sig	hyper
chr20	2.5E+07	2.5E+07	*	1.54E-241	5.54E-240	0.413002	chr20_25083401_250836(	sig	hyper
chr20	2.5E+07	2.5E+07	*	5.59E-239	1.92E-237	0.385887	chr20_25083601_250838(	sig	hyper
chr20	2.5E+07	2.5E+07	*	2.621E-90	1.256E-89	0.288573	chr20_25084601_250848(	sig	hyper
chr20	2.5E+07	2.5E+07	*	1.21E-169	1.68E-168	0.241763	chr20_25084801_250850(	sig	hyper
chr20	2.5E+07	2.5E+07	*	2.215E-56	6.539E-56	0.194139	chr20_25148001_251482(	sig	hyper
chr20	2.5E+07	2.5E+07	*	1.204E-81	5.108E-81	0.144814	chr20_25148601_251488(	sig	hyper
chr20	2.5E+07	2.5E+07	*	1.91E-154	2.15E-153	0.151125	chr20_25148801_251490(	sig	hyper
chr20	2.6E+07	2.6E+07	*	3.032E-73	1.14E-72	0.2152	chr20_25584801_255850(	sig	hyper
chr20	2.6E+07	2.6E+07	*	1.819E-46	4.582E-46	0.141276	chr20_25585601_255858(	sig	hyper
chr20	2.6E+07	2.6E+07	*	2.556E-37	5.523E-37	0.117181	chr20_25585801_255860(	sig	hyper
chr20	2.6E+07	2.6E+07	*	2.957E-13	3.626E-13	0.1077	chr20_25987401_259876(	sig	hyper
chr20	2.9E+07	2.9E+07	*	3.278E-13	4.013E-13	0.103223	chr20_29409401_294096(	sig	hyper
chr20	3E+07	3E+07	*	1.603E-37	3.477E-37	0.138069	chr20_30285801_302860(	sig	hyper

chr20	3E+07	3E+07	*	1.426E-84	6.309E-84	0.190211	chr20_30300201_303004(	sig	hyper
chr20	3.1E+07	3.1E+07	*	5.5E-23	8.827E-23	-0.12415	chr20_30812801_308130(	sig	hypo
chr20	3.1E+07	3.1E+07	*	9.265E-14	1.154E-13	0.130394	chr20_30814001_308142(	sig	hyper
chr20	3.1E+07	3.1E+07	*	4.81E-145	4.75E-144	0.387381	chr20_30891801_308920(	sig	hyper
chr20	3.1E+07	3.1E+07	*	3.259E-49	8.597E-49	-0.19237	chr20_31440401_314406(	sig	hypo
chr20	3.1E+07	3.1E+07	*	3.691E-41	8.503E-41	0.210227	chr20_31474801_314750(	sig	hyper
chr20	3.1E+07	3.1E+07	*	3.038E-47	7.758E-47	0.280562	chr20_31485601_314858(	sig	hyper
chr20	3.2E+07	3.2E+07	*	7.386E-26	1.269E-25	0.111564	chr20_31588201_315884(	sig	hyper
chr20	3.2E+07	3.2E+07	*	1.079E-73	4.079E-73	-0.2125	chr20_31721601_317218(	sig	hypo
chr20	3.2E+07	3.2E+07	*	3.118E-39	6.95E-39	0.180666	chr20_32031201_320314(	sig	hyper
chr20	3.2E+07	3.2E+07	*	4.64E-179	7.3E-178	0.201173	chr20_32052401_320526(	sig	hyper
chr20	3.2E+07	3.2E+07	*	1.59E-136	1.4E-135	0.444495	chr20_32457201_324574(	sig	hyper
chr20	3.3E+07	3.3E+07	*	1.576E-59	4.871E-59	-0.23503	chr20_33018601_330188(	sig	hypo
chr20	3.4E+07	3.4E+07	*	2.195E-17	3.04E-17	0.104729	chr20_34268801_342690(	sig	hyper
chr20	3.5E+07	3.5E+07	*	1.828E-54	5.234E-54	0.232167	chr20_34559601_345598(	sig	hyper
chr20	3.5E+07	3.5E+07	*	5.565E-38	1.215E-37	0.151804	chr20_34559801_345600(	sig	hyper
chr20	3.5E+07	3.5E+07	*	9.058E-90	4.305E-89	0.108742	chr20_34863401_348636(	sig	hyper
chr20	3.5E+07	3.5E+07	*	7.586E-45	1.859E-44	0.173651	chr20_34997201_349974(	sig	hyper
chr20	3.5E+07	3.5E+07	*	4.717E-93	2.336E-92	-0.20657	chr20_35174601_351748(	sig	hypo
chr20	3.5E+07	3.5E+07	*	7.104E-48	1.831E-47	-0.2123	chr20_35174801_351750(	sig	hypo
chr20	3.5E+07	3.5E+07	*	3.804E-22	5.972E-22	-0.12649	chr20_35292401_352926(	sig	hypo
chr20	3.5E+07	3.5E+07	*	2.636E-89	1.245E-88	0.278364	chr20_35438001_354382(	sig	hyper
chr20	3.6E+07	3.6E+07	*	2.248E-52	6.207E-52	0.225846	chr20_35602201_356024(	sig	hyper
chr20	3.7E+07	3.7E+07	*	8.088E-35	1.666E-34	0.175454	chr20_36541001_365412(	sig	hyper
chr20	3.7E+07	3.7E+07	*	2.691E-26	4.668E-26	0.13786	chr20_36549001_365492(	sig	hyper
chr20	3.7E+07	3.7E+07	*	1.41E-123	1.05E-122	-0.32157	chr20_36876001_368762(	sig	hypo
chr20	3.7E+07	3.7E+07	*	8.343E-28	1.494E-27	0.171016	chr20_37385001_373852(	sig	hyper
chr20	3.8E+07	3.8E+07	*	3.348E-61	1.06E-60	0.167154	chr20_37518601_375188(	sig	hyper
chr20	3.8E+07	3.8E+07	*	3.64E-220	9.95E-219	0.246111	chr20_37518801_375190(	sig	hyper
chr20	3.8E+07	3.8E+07	*	7.325E-37	1.569E-36	0.151398	chr20_37521201_375214(	sig	hyper
chr20	3.8E+07	3.8E+07	*	4.785E-50	1.277E-49	0.191299	chr20_37521601_375218(	sig	hyper
chr20	3.8E+07	3.8E+07	*	3.257E-41	7.511E-41	0.253097	chr20_37902401_379026(	sig	hyper
chr20	3.8E+07	3.8E+07	*	4.768E-08	4.717E-08	0.118867	chr20_37903601_379038(	sig	hyper
chr20	3.8E+07	3.8E+07	*	7.35E-117	5.03E-116	-0.2613	chr20_38448001_384482(	sig	hypo
chr20	3.9E+07	3.9E+07	*	5.9E-234	1.9E-232	0.360805	chr20_38674201_386744(	sig	hyper
chr20	3.9E+07	3.9E+07	*	8.236E-71	2.999E-70	0.314028	chr20_38674801_386750(	sig	hyper
chr20	3.9E+07	3.9E+07	*	1.53E-107	9.24E-107	0.259022	chr20_38725001_387252(	sig	hyper
chr20	3.9E+07	3.9E+07	*	5.99E-307	4.8E-305	0.456186	chr20_38728001_387282(	sig	hyper
chr20	3.9E+07	3.9E+07	*	1.175E-76	4.653E-76	0.26674	chr20_38729201_387294(	sig	hyper
chr20	3.9E+07	3.9E+07	*	2.21E-100	1.21E-99	0.205589	chr20_38729401_387296(	sig	hyper
chr20	3.9E+07	3.9E+07	*	1.63E-62	5.274E-62	0.146315	chr20_38731001_387312(	sig	hyper
chr20	3.9E+07	3.9E+07	*	9.961E-61	3.137E-60	0.251667	chr20_38805401_388056(	sig	hyper
chr20	3.9E+07	3.9E+07	*	5.43E-248	2.12E-246	0.265809	chr20_38807001_388072(	sig	hyper
chr20	4.1E+07	4.1E+07	*	1.63E-64	5.434E-64	0.20995	chr20_40683201_406834(	sig	hyper
chr20	4.1E+07	4.1E+07	*	2.549E-78	1.033E-77	0.185419	chr20_40683401_406836(	sig	hyper
chr20	4.1E+07	4.1E+07	*	4.568E-56	1.342E-55	0.20421	chr20_40683601_406838(	sig	hyper
chr20	4.1E+07	4.1E+07	*	5.693E-95	2.904E-94	0.117855	chr20_40687401_406876(	sig	hyper
chr20	4.1E+07	4.1E+07	*	6.861E-44	1.655E-43	0.10953	chr20_40687601_406878(	sig	hyper
chr20	4.1E+07	4.1E+07	*	2.033E-84	8.975E-84	0.120603	chr20_40690201_406904(	sig	hyper
chr20	4.1E+07	4.1E+07	*	8.23E-275	4.5E-273	0.291143	chr20_40690601_406908(	sig	hyper
chr20	4.1E+07	4.1E+07	*	2.64E-186	4.59E-185	0.27934	chr20_40690801_406910(	sig	hyper
chr20	4.1E+07	4.1E+07	*	2.315E-47	5.921E-47	0.232844	chr20_40692801_406930(	sig	hyper
chr20	4.1E+07	4.1E+07	*	5.22E-104	2.98E-103	-0.31018	chr20_41134001_411342(	sig	hypo
chr20	4.1E+07	4.1E+07	*	5.058E-30	9.46E-30	-0.20885	chr20_41362201_413624(	sig	hypo
chr20	4.1E+07	4.1E+07	*	2.14E-179	3.38E-178	0.249211	chr20_41366801_413670(	sig	hyper
chr20	4.2E+07	4.2E+07	*	1.041E-21	1.617E-21	-0.10814	chr20_41999401_419996(	sig	hypo

chr20	4.3E+07	4.3E+07	*	1.73E-236	5.8E-235	0.271018	chr20_43189201_431894(	sig	hyper
chr20	4.4E+07	4.4E+07	*	8.921E-32	1.727E-31	0.103908	chr20_43916201_439164(	sig	hyper
chr20	4.4E+07	4.4E+07	*	2.48E-133	2.1E-132	0.304299	chr20_43916401_439166(	sig	hyper
chr20	4.4E+07	4.4E+07	*	4.69E-99	2.519E-98	-0.32703	chr20_44355801_443560(	sig	hypo
chr20	4.4E+07	4.4E+07	*	1.39E-170	1.96E-169	-0.36617	chr20_44356201_443564(	sig	hypo
chr20	4.5E+07	4.5E+07	*	3.05E-120	2.17E-119	0.219179	chr20_44750201_447504(	sig	hyper
chr20	4.5E+07	4.5E+07	*	9.09E-184	1.52E-182	0.267883	chr20_45097801_450980(	sig	hyper
chr20	4.5E+07	4.5E+07	*	2.86E-99	1.539E-98	0.294238	chr20_45098401_450986(	sig	hyper
chr20	4.5E+07	4.5E+07	*	8.28E-267	4.14E-265	-0.46665	chr20_45297801_452980(	sig	hypo
chr20	4.5E+07	4.5E+07	*	1.65E-114	1.1E-113	-0.43658	chr20_45298001_452982(	sig	hypo
chr20	4.5E+07	4.5E+07	*	1.005E-76	3.983E-76	0.260251	chr20_45304201_453044(	sig	hyper
chr20	4.5E+07	4.5E+07	*	9.953E-34	2.006E-33	0.147817	chr20_45304401_453046(	sig	hyper
chr20	4.5E+07	4.5E+07	*	1.54E-100	8.41E-100	0.164893	chr20_45306601_453068(	sig	hyper
chr20	4.5E+07	4.5E+07	*	1.652E-22	2.618E-22	0.154206	chr20_45306801_453070(	sig	hyper
chr20	4.5E+07	4.5E+07	*	4.385E-24	7.221E-24	0.156233	chr20_45308401_453086(	sig	hyper
chr20	4.5E+07	4.5E+07	*	8.32E-252	3.38E-250	0.411925	chr20_45316601_453168(	sig	hyper
chr20	4.5E+07	4.5E+07	*	1.236E-85	5.538E-85	0.320236	chr20_45316801_453170(	sig	hyper
chr20	4.6E+07	4.6E+07	*	4.154E-36	8.756E-36	0.131543	chr20_45948801_459490(	sig	hyper
chr20	4.6E+07	4.6E+07	*	6.18E-107	3.69E-106	0.307931	chr20_46010801_460110(	sig	hyper
chr20	4.6E+07	4.6E+07	*	0	0	0.393061	chr20_46011601_460118(	sig	hyper
chr20	4.6E+07	4.6E+07	*	7.287E-39	1.615E-38	0.200277	chr20_46011801_460120(	sig	hyper
chr20	4.6E+07	4.6E+07	*	2.6E-221	7.15E-220	0.251883	chr20_46021601_460218(	sig	hyper
chr20	4.6E+07	4.6E+07	*	2.42E-160	2.95E-159	0.413801	chr20_46030201_460304(	sig	hyper
chr20	4.6E+07	4.6E+07	*	3.281E-40	7.448E-40	0.136802	chr20_46032201_460324(	sig	hyper
chr20	4.6E+07	4.6E+07	*	1.43E-155	1.63E-154	0.312958	chr20_46057401_460576(	sig	hyper
chr20	4.6E+07	4.6E+07	*	1.82E-123	1.35E-122	0.270399	chr20_46058401_460586(	sig	hyper
chr20	4.6E+07	4.6E+07	*	2.1E-128	1.67E-127	0.356664	chr20_46174801_461750(	sig	hyper
chr20	4.6E+07	4.6E+07	*	2.17E-107	1.3E-106	0.252583	chr20_46201001_462012(	sig	hyper
chr20	4.6E+07	4.6E+07	*	3.171E-98	1.688E-97	0.271824	chr20_46246601_462468(	sig	hyper
chr20	4.6E+07	4.6E+07	*	2.472E-36	5.244E-36	0.195539	chr20_46246801_462470(	sig	hyper
chr20	4.7E+07	4.7E+07	*	1.61E-199	3.38E-198	0.354064	chr20_46513201_465134(	sig	hyper
chr20	4.7E+07	4.7E+07	*	0	0	0.325066	chr20_46513601_465138(	sig	hyper
chr20	4.7E+07	4.7E+07	*	5.263E-24	8.646E-24	0.103127	chr20_46811601_468118(	sig	hyper
chr20	4.7E+07	4.7E+07	*	1.45E-101	8.06E-101	0.14125	chr20_46895201_468954(	sig	hyper
chr20	4.7E+07	4.7E+07	*	9.6E-47	2.43E-46	0.102214	chr20_46895401_468956(	sig	hyper
chr20	4.8E+07	4.8E+07	*	4.215E-49	1.11E-48	-0.25207	chr20_47973601_479738(	sig	hypo
chr20	4.9E+07	4.9E+07	*	3.23E-209	7.61E-208	0.219636	chr20_48827201_488274(	sig	hyper
chr20	4.9E+07	4.9E+07	*	6.95E-71	2.533E-70	0.105991	chr20_48828401_488286(	sig	hyper
chr20	4.9E+07	4.9E+07	*	2.374E-46	5.966E-46	0.110571	chr20_49482801_494830(	sig	hyper
chr20	5E+07	5E+07	*	2.636E-65	8.888E-65	-0.23311	chr20_49910001_499102(	sig	hypo
chr20	5.1E+07	5.1E+07	*	4.241E-28	7.627E-28	-0.20447	chr20_50588201_505884(	sig	hypo
chr20	5.1E+07	5.1E+07	*	3.048E-34	6.208E-34	-0.13489	chr20_51003801_510040(	sig	hypo
chr20	5.1E+07	5.1E+07	*	2.639E-20	3.96E-20	-0.12419	chr20_51004801_510050(	sig	hypo
chr20	5.1E+07	5.1E+07	*	9.53E-236	3.17E-234	0.313486	chr20_51023401_510236(	sig	hyper
chr20	5.2E+07	5.2E+07	*	1.092E-15	1.444E-15	-0.10776	chr20_51802601_518028(	sig	hypo
chr20	5.2E+07	5.2E+07	*	2.54E-170	3.55E-169	0.403817	chr20_52104601_521048(	sig	hyper
chr20	5.2E+07	5.2E+07	*	7.575E-80	3.143E-79	0.126359	chr20_52105201_521054(	sig	hyper
chr20	5.3E+07	5.3E+07	*	1.79E-139	1.64E-138	0.207474	chr20_52973201_529734(	sig	hyper
chr20	5.4E+07	5.4E+07	*	1.926E-18	2.751E-18	0.144927	chr20_54475001_544752(	sig	hyper
chr20	5.4E+07	5.4E+07	*	1.037E-80	4.339E-80	0.364244	chr20_54475801_544760(	sig	hyper
chr20	5.4E+07	5.4E+07	*	2.464E-58	7.48E-58	0.248441	chr20_54476601_544768(	sig	hyper
chr20	5.6E+07	5.6E+07	*	1.63E-99	8.77E-99	0.356388	chr20_56003801_560040(	sig	hyper
chr20	5.6E+07	5.6E+07	*	0	0	0.363	chr20_56004201_560044(	sig	hyper
chr20	5.6E+07	5.6E+07	*	7.66E-174	1.13E-172	0.407511	chr20_56004601_560048(	sig	hyper
chr20	5.6E+07	5.6E+07	*	2.209E-69	7.879E-69	0.198358	chr20_56343801_563440(	sig	hyper
chr20	5.6E+07	5.6E+07	*	1.986E-46	5.001E-46	0.220051	chr20_56359801_563600(	sig	hyper

chr20	5.7E+07	5.7E+07	*	5.305E-93	2.625E-92	0.249177	chr20_56625801_566260(	sig	hyper
chr20	5.7E+07	5.7E+07	*	2.48E-112	1.6E-111	0.331289	chr20_56626801_566270(	sig	hyper
chr20	5.7E+07	5.7E+07	*	3.171E-43	7.565E-43	0.140575	chr20_56924401_569246(	sig	hyper
chr20	5.7E+07	5.7E+07	*	0	0	0.356605	chr20_56925401_569256(	sig	hyper
chr20	5.7E+07	5.7E+07	*	7.4E-204	1.63E-202	0.268196	chr20_56926001_569262(	sig	hyper
chr20	5.7E+07	5.7E+07	*	4.891E-53	1.367E-52	0.196384	chr20_57261001_572612(	sig	hyper
chr20	5.7E+07	5.7E+07	*	1.008E-30	1.911E-30	0.110916	chr20_57266201_572664(	sig	hyper
chr20	5.7E+07	5.7E+07	*	2.972E-40	6.753E-40	0.196799	chr20_57267001_572672(	sig	hyper
chr20	5.7E+07	5.7E+07	*	8.118E-28	1.454E-27	-0.11117	chr20_57350401_573506(	sig	hypo
chr20	5.7E+07	5.7E+07	*	1.188E-17	1.66E-17	-0.10318	chr20_57390401_573906(	sig	hypo
chr20	5.8E+07	5.8E+07	*	9.282E-58	2.798E-57	0.193591	chr20_58228201_582284(	sig	hyper
chr20	5.8E+07	5.8E+07	*	2E-112	1.29E-111	0.185793	chr20_58228801_582290(	sig	hyper
chr20	5.8E+07	5.8E+07	*	8.401E-47	2.129E-46	0.163586	chr20_58229001_582292(	sig	hyper
chr20	5.9E+07	5.9E+07	*	2E-220	5.48E-219	0.346754	chr20_58514801_585150(	sig	hyper
chr20	5.9E+07	5.9E+07	*	2.36E-117	1.62E-116	0.324103	chr20_58515201_585154(	sig	hyper
chr20	5.9E+07	5.9E+07	*	6.422E-40	1.449E-39	0.228884	chr20_58839801_588400(	sig	hyper
chr20	5.9E+07	5.9E+07	*	9.599E-37	2.051E-36	0.123412	chr20_58840001_588402(	sig	hyper
chr20	5.9E+07	5.9E+07	*	4.799E-93	2.376E-92	0.250771	chr20_58840201_588404(	sig	hyper
chr20	5.9E+07	5.9E+07	*	2.339E-44	5.689E-44	0.192519	chr20_58841801_588420(	sig	hyper
chr20	5.9E+07	5.9E+07	*	1.388E-44	3.39E-44	-0.12573	chr20_58853201_588534(	sig	hypo
chr20	5.9E+07	5.9E+07	*	2.416E-18	3.44E-18	-0.10293	chr20_58853401_588536(	sig	hypo
chr20	5.9E+07	5.9E+07	*	8.667E-27	1.52E-26	0.140826	chr20_58855201_588554(	sig	hyper
chr20	5.9E+07	5.9E+07	*	2.15E-74	8.232E-74	0.215655	chr20_58905401_589056(	sig	hyper
chr20	5.9E+07	5.9E+07	*	1.803E-12	2.148E-12	-0.10216	chr20_59011201_590114(	sig	hypo
chr20	5.9E+07	5.9E+07	*	1.01E-140	9.41E-140	-0.35767	chr20_59043401_590436(	sig	hypo
chr20	5.9E+07	5.9E+07	*	2.398E-16	3.228E-16	0.118092	chr20_59191801_591920(	sig	hyper
chr20	6E+07	6E+07	*	2.623E-54	7.492E-54	0.198275	chr20_59604401_596046(	sig	hyper
chr20	6E+07	6E+07	*	5.27E-115	3.54E-114	0.193278	chr20_59934201_599344(	sig	hyper
chr20	6E+07	6E+07	*	1.995E-67	6.924E-67	0.30114	chr20_60087401_600876(	sig	hyper
chr20	6E+07	6E+07	*	2.34E-118	1.63E-117	0.303239	chr20_60087801_600880(	sig	hyper
chr20	6.1E+07	6.1E+07	*	1.95E-27	3.467E-27	-0.14898	chr20_60970801_609710(	sig	hypo
chr20	6.2E+07	6.2E+07	*	3.7E-79	1.52E-78	-0.17101	chr20_61544401_615446(	sig	hypo
chr20	6.2E+07	6.2E+07	*	3.847E-35	7.972E-35	-0.14061	chr20_61873801_618740(	sig	hypo
chr20	6.2E+07	6.2E+07	*	8.855E-48	2.28E-47	-0.2487	chr20_61885001_618852(	sig	hypo
chr20	6.2E+07	6.2E+07	*	4.812E-34	9.754E-34	-0.1045	chr20_61895001_618952(	sig	hypo
chr20	6.2E+07	6.2E+07	*	2.325E-22	3.67E-22	-0.11481	chr20_61929601_619298(	sig	hypo
chr20	6.2E+07	6.2E+07	*	5.462E-27	9.617E-27	0.142231	chr20_61965201_619654(	sig	hyper
chr20	6.2E+07	6.2E+07	*	1.244E-48	3.247E-48	-0.10366	chr20_62003001_620032(	sig	hypo
chr20	6.2E+07	6.2E+07	*	1.43E-117	9.86E-117	0.349981	chr20_62063601_620638(	sig	hyper
chr20	6.2E+07	6.2E+07	*	7.9E-290	5.16E-288	0.433983	chr20_62063801_620640(	sig	hyper
chr20	6.2E+07	6.2E+07	*	1.175E-11	1.358E-11	-0.10738	chr20_62206201_622064(	sig	hypo
chr20	6.2E+07	6.2E+07	*	3.905E-30	7.323E-30	-0.22699	chr20_62216601_622168(	sig	hypo
chr20	6.2E+07	6.2E+07	*	8.94E-40	2.012E-39	0.165659	chr20_62220601_622208(	sig	hyper
chr20	6.2E+07	6.2E+07	*	2.28E-104	1.31E-103	0.286988	chr20_62220801_622210(	sig	hyper
chr20	6.2E+07	6.2E+07	*	4.74E-26	8.177E-26	0.157418	chr20_62378201_623784(	sig	hyper
chr20	6.2E+07	6.2E+07	*	1.387E-94	7.036E-94	0.192363	chr20_62378401_623786(	sig	hyper
chr20	6.2E+07	6.2E+07	*	1.486E-22	2.357E-22	-0.11977	chr20_62466201_624664(	sig	hypo
chr20	6.2E+07	6.2E+07	*	2.212E-89	1.046E-88	0.234713	chr20_62474801_624750(	sig	hyper
chr20	6.2E+07	6.2E+07	*	8.1E-232	2.53E-230	0.311252	chr20_62476201_624764(	sig	hyper
chr20	6.2E+07	6.2E+07	*	7.958E-64	2.632E-63	0.188012	chr20_62476601_624768(	sig	hyper
chr20	6.3E+07	6.3E+07	*	2.928E-73	1.101E-72	0.178297	chr20_62551601_625518(	sig	hyper
chr20	6.3E+07	6.3E+07	*	2.68E-81	1.131E-80	-0.27476	chr20_62564001_625642(	sig	hypo
chr20	6.3E+07	6.3E+07	*	1.078E-12	1.296E-12	-0.1121	chr20_62565001_625652(	sig	hypo
chr20	6.3E+07	6.3E+07	*	2.014E-93	1.004E-92	-0.25288	chr20_62667201_626674(	sig	hypo
chr20	6.3E+07	6.3E+07	*	4.8E-130	3.89E-129	0.341355	chr20_62708401_627086(	sig	hyper
chr20	6.3E+07	6.3E+07	*	6.596E-25	1.107E-24	-0.15066	chr20_62710601_627108(	sig	hypo

chr20	6.3E+07	6.3E+07	*	5.519E-87	2.52E-86	-0.30057	chr20_62740001_627402(	sig	hypo
chr20	6.3E+07	6.3E+07	*	3.266E-85	1.457E-84	-0.28295	chr20_62740201_627404(	sig	hypo
chr20	6.3E+07	6.3E+07	*	3.554E-67	1.229E-66	-0.21874	chr20_62774201_627744(	sig	hypo
chr20	6.3E+07	6.3E+07	*	5.194E-18	7.324E-18	-0.10066	chr20_62819201_628194(	sig	hypo
chr20	6.3E+07	6.3E+07	*	1.038E-27	1.854E-27	0.146151	chr20_62887601_628878(	sig	hyper
chr20	6.3E+07	6.3E+07	*	3.286E-23	5.303E-23	-0.11784	chr20_62984001_629842(	sig	hypo
chr20	6.3E+07	6.3E+07	*	1.831E-64	6.1E-64	0.211694	chr20_63004801_630050(	sig	hyper
chr20	6.3E+07	6.3E+07	*	1.51E-199	3.17E-198	0.23983	chr20_63006001_630062(	sig	hyper
chr20	6.3E+07	6.3E+07	*	7.28E-65	2.439E-64	0.169289	chr20_63006201_630064(	sig	hyper
chr20	6.3E+07	6.3E+07	*	9.113E-59	2.787E-58	0.282878	chr20_63007001_630072(	sig	hyper
chr20	6.3E+07	6.3E+07	*	2.16E-175	3.24E-174	0.357813	chr20_63007201_630074(	sig	hyper
chr20	6.3E+07	6.3E+07	*	6.149E-54	1.747E-53	-0.24515	chr20_63044201_630444(	sig	hypo
chr20	6.3E+07	6.3E+07	*	1.942E-53	5.462E-53	-0.18247	chr20_63047601_630478(	sig	hypo
chr20	6.3E+07	6.3E+07	*	3.699E-93	1.834E-92	-0.27284	chr20_63064201_630644(	sig	hypo
chr20	6.3E+07	6.3E+07	*	1.31E-75	5.109E-75	-0.19838	chr20_63123401_631236(	sig	hypo
chr20	6.3E+07	6.3E+07	*	2.823E-57	8.46E-57	-0.22118	chr20_63123601_631238(	sig	hypo
chr20	6.3E+07	6.3E+07	*	1.611E-17	2.241E-17	-0.1144	chr20_63157201_631574(	sig	hypo
chr20	6.3E+07	6.3E+07	*	2.58E-161	3.18E-160	0.257892	chr20_63178001_631782(	sig	hyper
chr20	6.3E+07	6.3E+07	*	0	0	0.350755	chr20_63178401_631786(	sig	hyper
chr20	6.3E+07	6.3E+07	*	1.628E-20	2.456E-20	-0.11111	chr20_63235801_632360(	sig	hypo
chr20	6.3E+07	6.3E+07	*	1.035E-11	1.199E-11	-0.11658	chr20_63241001_632412(	sig	hypo
chr20	6.3E+07	6.3E+07	*	8.424E-54	2.387E-53	-0.22149	chr20_63244801_632450(	sig	hypo
chr20	6.3E+07	6.3E+07	*	4.51E-104	2.58E-103	0.286825	chr20_63254801_632550(	sig	hyper
chr20	6.3E+07	6.3E+07	*	3.53E-52	9.715E-52	-0.1922	chr20_63273801_632740(	sig	hypo
chr20	6.3E+07	6.3E+07	*	7.38E-17	1.008E-16	0.133087	chr20_63281201_632814(	sig	hyper
chr20	6.3E+07	6.3E+07	*	1.442E-48	3.76E-48	-0.22272	chr20_63319401_633196(	sig	hypo
chr20	6.3E+07	6.3E+07	*	4.536E-27	8.002E-27	-0.11757	chr20_63341801_633420(	sig	hypo
chr20	6.3E+07	6.3E+07	*	1.348E-29	2.5E-29	-0.13136	chr20_63342001_633422(	sig	hypo
chr20	6.3E+07	6.3E+07	*	3.739E-46	9.355E-46	-0.17324	chr20_63342801_633430(	sig	hypo
chr20	6.3E+07	6.3E+07	*	1.67E-185	2.87E-184	0.381752	chr20_63361001_633612(	sig	hyper
chr20	6.3E+07	6.3E+07	*	4.724E-19	6.86E-19	-0.12106	chr20_63400201_634004(	sig	hypo
chr20	6.3E+07	6.3E+07	*	9.563E-26	1.638E-25	-0.12568	chr20_63402201_634024(	sig	hypo
chr20	6.3E+07	6.3E+07	*	1.2E-43	2.883E-43	-0.23246	chr20_63406201_634064(	sig	hypo
chr20	6.3E+07	6.3E+07	*	1.702E-24	2.83E-24	-0.13487	chr20_63411001_634112(	sig	hypo
chr20	6.3E+07	6.3E+07	*	2.17E-58	6.598E-58	-0.19186	chr20_63414801_634150(	sig	hypo
chr20	6.3E+07	6.3E+07	*	4.226E-54	1.204E-53	-0.17128	chr20_63420801_634210(	sig	hypo
chr20	6.3E+07	6.3E+07	*	1.684E-23	2.735E-23	-0.10493	chr20_63424801_634250(	sig	hypo
chr20	6.3E+07	6.3E+07	*	6.442E-31	1.227E-30	-0.11186	chr20_63448201_634484(	sig	hypo
chr20	6.3E+07	6.3E+07	*	4.298E-27	7.587E-27	-0.16877	chr20_63453201_634534(	sig	hypo
chr20	6.3E+07	6.3E+07	*	3.545E-58	1.074E-57	0.179522	chr20_63454401_634546(	sig	hyper
chr20	6.3E+07	6.3E+07	*	8.031E-12	9.343E-12	-0.11136	chr20_63467801_634680(	sig	hypo
chr20	6.3E+07	6.3E+07	*	1.919E-54	5.492E-54	0.16842	chr20_63472201_634724(	sig	hyper
chr20	6.3E+07	6.3E+07	*	6.539E-13	7.923E-13	0.105997	chr20_63473001_634732(	sig	hyper
chr20	6.3E+07	6.3E+07	*	6.02E-240	2.12E-238	-0.3645	chr20_63494801_634950(	sig	hypo
chr20	6.4E+07	6.4E+07	*	2.483E-84	1.095E-83	0.246021	chr20_63521601_635218(	sig	hyper
chr20	6.4E+07	6.4E+07	*	4.28E-111	2.71E-110	0.332125	chr20_63521801_635220(	sig	hyper
chr20	6.4E+07	6.4E+07	*	8.04E-85	3.568E-84	0.231879	chr20_63534201_635344(	sig	hyper
chr20	6.4E+07	6.4E+07	*	9.46E-119	6.61E-118	-0.23318	chr20_63537401_635376(	sig	hypo
chr20	6.4E+07	6.4E+07	*	1.339E-18	1.921E-18	-0.10928	chr20_63567401_635676(	sig	hypo
chr20	6.4E+07	6.4E+07	*	3.669E-33	7.314E-33	-0.13017	chr20_63580801_635810(	sig	hypo
chr20	6.4E+07	6.4E+07	*	6.601E-34	1.334E-33	0.1173	chr20_63658001_636582(	sig	hyper
chr20	6.4E+07	6.4E+07	*	1.116E-30	2.114E-30	0.130825	chr20_63682201_636824(	sig	hyper
chr20	6.4E+07	6.4E+07	*	1.126E-11	1.303E-11	-0.13118	chr20_63689601_636898(	sig	hypo
chr20	6.4E+07	6.4E+07	*	2.877E-38	6.308E-38	-0.22062	chr20_63690001_636902(	sig	hypo
chr20	6.4E+07	6.4E+07	*	2.441E-65	8.236E-65	-0.25315	chr20_63736201_637364(	sig	hypo
chr20	6.4E+07	6.4E+07	*	3.11E-35	6.456E-35	-0.12231	chr20_63753601_637538(	sig	hypo

chr20	6.4E+07	6.4E+07	*	1.85E-207	4.26E-206	0.289174	chr20_63775001_637752(	sig	hyper
chr20	6.4E+07	6.4E+07	*	5.75E-247	2.23E-245	0.347967	chr20_63775401_637756(	sig	hyper
chr20	6.4E+07	6.4E+07	*	4.917E-29	9.015E-29	-0.17691	chr20_63824001_638242(	sig	hypo
chr20	6.4E+07	6.4E+07	*	3.414E-20	5.11E-20	-0.10721	chr20_63825801_638260(	sig	hypo
chr20	6.4E+07	6.4E+07	*	3.396E-29	6.243E-29	-0.16003	chr20_63832601_638328(	sig	hypo
chr20	6.4E+07	6.4E+07	*	3.899E-41	8.979E-41	-0.19891	chr20_63980401_639806(	sig	hypo
chr20	6.4E+07	6.4E+07	*	2.502E-94	1.266E-93	-0.34239	chr20_64053001_640532(	sig	hypo
chr20	6.4E+07	6.4E+07	*	5.25E-104	3E-103	0.270014	chr20_64062601_640628(	sig	hyper
chr20	6.4E+07	6.4E+07	*	5.247E-52	1.442E-51	0.100705	chr20_64063201_640634(	sig	hyper
chr20	6.4E+07	6.4E+07	*	1.162E-70	4.22E-70	0.269155	chr20_64064201_640644(	sig	hyper
chr20	6.4E+07	6.4E+07	*	4.201E-35	8.698E-35	-0.17684	chr20_64069201_640694(	sig	hypo
chr20	6.4E+07	6.4E+07	*	1.586E-12	1.894E-12	0.110666	chr20_64085001_640852(	sig	hyper
chr20	6.4E+07	6.4E+07	*	9.91E-100	5.36E-99	0.146321	chr20_64102801_641030(	sig	hyper
chr20	6.4E+07	6.4E+07	*	9.244E-78	3.717E-77	-0.12931	chr20_64106401_641066(	sig	hypo
chr20	6.4E+07	6.4E+07	*	6.849E-70	2.461E-69	-0.17718	chr20_64106601_641068(	sig	hypo
chr20	6.4E+07	6.4E+07	*	5.177E-38	1.131E-37	-0.14648	chr20_64178801_641790(	sig	hypo
chr20	6.4E+07	6.4E+07	*	3.065E-17	4.228E-17	0.107525	chr20_64316001_643162(	sig	hyper
chr20	6.4E+07	6.4E+07	*	4.39E-114	2.91E-113	0.157025	chr20_64316801_643170(	sig	hyper
chr20	6.4E+07	6.4E+07	*	5.953E-31	1.135E-30	-0.13653	chr20_64317601_643178(	sig	hypo
chr21	9735401	9735600	*	3.064E-32	5.991E-32	-0.16114	chr21_9735401_9735600	sig	hypo
chr21	1.4E+07	1.4E+07	*	5.559E-18	7.835E-18	0.101427	chr21_13979601_139798(	sig	hyper
chr21	1.8E+07	1.8E+07	*	3.464E-16	4.636E-16	0.101212	chr21_18244601_182448(	sig	hyper
chr21	1.8E+07	1.8E+07	*	1.996E-95	1.025E-94	0.331768	chr21_18244801_182450(	sig	hyper
chr21	1.8E+07	1.8E+07	*	4.458E-33	8.865E-33	0.182014	chr21_18245601_182458(	sig	hyper
chr21	2.6E+07	2.6E+07	*	2.163E-88	1.01E-87	0.175547	chr21_25639801_256400(	sig	hyper
chr21	2.7E+07	2.7E+07	*	1.123E-80	4.698E-80	0.246092	chr21_26845201_268454(	sig	hyper
chr21	2.7E+07	2.7E+07	*	1.49E-111	9.5E-111	0.18171	chr21_26846201_268464(	sig	hyper
chr21	2.7E+07	2.7E+07	*	5.855E-29	1.072E-28	0.151852	chr21_26964401_269646(	sig	hyper
chr21	2.7E+07	2.7E+07	*	0	0	0.341969	chr21_26967001_269672(	sig	hyper
chr21	2.7E+07	2.7E+07	*	6.17E-157	7.16E-156	0.243991	chr21_26967601_269678(	sig	hyper
chr21	2.7E+07	2.7E+07	*	3.73E-104	2.14E-103	0.202592	chr21_26967801_269680(	sig	hyper
chr21	2.9E+07	2.9E+07	*	1.537E-45	3.804E-45	-0.20516	chr21_29298001_292982(	sig	hypo
chr21	3.2E+07	3.2E+07	*	1.705E-51	4.644E-51	0.221117	chr21_31557401_315576(	sig	hyper
chr21	3.2E+07	3.2E+07	*	2.814E-82	1.205E-81	0.158281	chr21_31557801_315580(	sig	hyper
chr21	3.2E+07	3.2E+07	*	1.536E-41	3.566E-41	0.117222	chr21_31559801_315600(	sig	hyper
chr21	3.2E+07	3.2E+07	*	1.021E-26	1.787E-26	0.144897	chr21_31875401_318756(	sig	hyper
chr21	3.2E+07	3.2E+07	*	7.189E-22	1.122E-21	0.140099	chr21_31875601_318758(	sig	hyper
chr21	3.3E+07	3.3E+07	*	1.079E-54	3.102E-54	-0.10309	chr21_32772601_327728(	sig	hypo
chr21	3.3E+07	3.3E+07	*	6.57E-106	3.86E-105	0.246541	chr21_33020001_330202(	sig	hyper
chr21	3.3E+07	3.3E+07	*	1.486E-82	6.392E-82	0.187929	chr21_33020401_330206(	sig	hyper
chr21	3.3E+07	3.3E+07	*	7.371E-86	3.317E-85	0.29953	chr21_33024001_330242(	sig	hyper
chr21	3.3E+07	3.3E+07	*	3.793E-95	1.942E-94	0.202378	chr21_33024601_330248(	sig	hyper
chr21	3.3E+07	3.3E+07	*	4.55E-128	3.59E-127	0.285961	chr21_33025401_330256(	sig	hyper
chr21	3.3E+07	3.3E+07	*	2.35E-139	2.15E-138	0.264367	chr21_33025801_330260(	sig	hyper
chr21	3.3E+07	3.3E+07	*	6.497E-34	1.314E-33	0.176304	chr21_33026401_330266(	sig	hyper
chr21	3.3E+07	3.3E+07	*	1.27E-128	1.01E-127	0.268885	chr21_33027001_330272(	sig	hyper
chr21	3.3E+07	3.3E+07	*	5.55E-56	1.628E-55	0.149963	chr21_33028401_330286(	sig	hyper
chr21	3.3E+07	3.3E+07	*	4.241E-46	1.06E-45	0.188447	chr21_33029401_330296(	sig	hyper
chr21	3.3E+07	3.3E+07	*	4.279E-21	6.546E-21	0.142822	chr21_33034201_330344(	sig	hyper
chr21	3.3E+07	3.3E+07	*	7.655E-81	3.209E-80	0.144965	chr21_33071801_330720(	sig	hyper
chr21	3.3E+07	3.3E+07	*	2.16E-248	8.52E-247	0.136881	chr21_33072001_330722(	sig	hyper
chr21	3.3E+07	3.3E+07	*	1.375E-26	2.4E-26	0.129439	chr21_33109601_331098(	sig	hyper
chr21	3.5E+07	3.5E+07	*	1.36E-131	1.13E-130	0.138191	chr21_34670801_346710(	sig	hyper
chr21	3.6E+07	3.6E+07	*	2.208E-24	3.658E-24	-0.1428	chr21_36480001_364802(	sig	hypo
chr21	3.7E+07	3.7E+07	*	4.471E-77	1.782E-76	0.20749	chr21_36691801_366920(	sig	hyper
chr21	3.7E+07	3.7E+07	*	2.256E-79	9.291E-79	0.287124	chr21_36694601_366948(	sig	hyper

chr21	3.7E+07	3.7E+07	*	6.78E-185	1.15E-183	0.334041	chr21_36697001_366972(	sig	hyper
chr21	3.7E+07	3.7E+07	*	2.41E-186	4.19E-185	0.336236	chr21_36697601_366978(	sig	hyper
chr21	3.7E+07	3.7E+07	*	1.21E-132	1.01E-131	0.437977	chr21_36705201_367054(	sig	hyper
chr21	3.7E+07	3.7E+07	*	1.996E-59	6.158E-59	0.265598	chr21_36706601_367068(	sig	hyper
chr21	3.7E+07	3.7E+07	*	8.61E-145	8.45E-144	0.317564	chr21_36707201_367074(	sig	hyper
chr21	3.7E+07	3.7E+07	*	1.32E-132	1.11E-131	0.362059	chr21_36708601_367088(	sig	hyper
chr21	3.7E+07	3.7E+07	*	0	0	0.273886	chr21_36708801_367090(	sig	hyper
chr21	3.7E+07	3.7E+07	*	2.2E-126	1.7E-125	0.28939	chr21_36710801_367110(	sig	hyper
chr21	3.7E+07	3.7E+07	*	4.685E-89	2.209E-88	0.288101	chr21_37006001_370062(	sig	hyper
chr21	3.7E+07	3.7E+07	*	1.61E-99	8.7E-99	0.298564	chr21_37006201_370064(	sig	hyper
chr21	3.7E+07	3.7E+07	*	1.791E-83	7.797E-83	0.125912	chr21_37220601_372208(	sig	hyper
chr21	3.8E+07	3.8E+07	*	1.319E-58	4.02E-58	-0.21202	chr21_37567001_375672(	sig	hypo
chr21	3.8E+07	3.8E+07	*	2.68E-23	4.333E-23	0.150512	chr21_37675601_376758(	sig	hyper
chr21	3.9E+07	3.9E+07	*	1.759E-80	7.35E-80	-0.26956	chr21_38804601_388048(	sig	hypo
chr21	3.9E+07	3.9E+07	*	1.645E-18	2.353E-18	-0.11024	chr21_39350001_393502(	sig	hypo
chr21	4.1E+07	4.1E+07	*	2.163E-89	1.023E-88	0.18705	chr21_40841601_408418(	sig	hyper
chr21	4.1E+07	4.1E+07	*	1.565E-53	4.414E-53	-0.189	chr21_41248001_412482(	sig	hypo
chr21	4.1E+07	4.1E+07	*	8.454E-37	1.809E-36	0.170411	chr21_41467601_414678(	sig	hyper
chr21	4.2E+07	4.2E+07	*	1.429E-50	3.837E-50	0.186119	chr21_41762801_417630(	sig	hyper
chr21	4.2E+07	4.2E+07	*	3.35E-169	4.6E-168	-0.37416	chr21_41765401_417656(	sig	hypo
chr21	4.2E+07	4.2E+07	*	2.124E-19	3.113E-19	0.172512	chr21_41802601_418028(	sig	hyper
chr21	4.2E+07	4.2E+07	*	1.027E-36	2.192E-36	0.180889	chr21_41802801_418030(	sig	hyper
chr21	4.2E+07	4.2E+07	*	7.26E-27	1.275E-26	-0.11836	chr21_41952801_419530(	sig	hypo
chr21	4.2E+07	4.2E+07	*	1.65E-170	2.31E-169	0.335072	chr21_42222201_422224(	sig	hyper
chr21	4.2E+07	4.2E+07	*	1.752E-30	3.307E-30	-0.1642	chr21_42316801_423170(	sig	hypo
chr21	4.2E+07	4.2E+07	*	2.464E-69	8.782E-69	0.246521	chr21_42362401_423626(	sig	hyper
chr21	4.2E+07	4.2E+07	*	1.519E-18	2.176E-18	-0.11537	chr21_42366401_423666(	sig	hypo
chr21	4.3E+07	4.3E+07	*	1.15E-254	4.91E-253	0.313147	chr21_42668601_426688(	sig	hyper
chr21	4.3E+07	4.3E+07	*	2.78E-213	6.96E-212	0.272708	chr21_42838001_428382(	sig	hyper
chr21	4.4E+07	4.4E+07	*	4.432E-24	7.298E-24	0.137712	chr21_43728801_437290(	sig	hyper
chr21	4.4E+07	4.4E+07	*	2.052E-33	4.11E-33	0.180789	chr21_43729401_437296(	sig	hyper
chr21	4.4E+07	4.4E+07	*	9.07E-281	5.28E-279	-0.30133	chr21_43924601_439248(	sig	hypo
chr21	4.4E+07	4.4E+07	*	3.2E-14	4.045E-14	0.109546	chr21_43940801_439410(	sig	hyper
chr21	4.4E+07	4.4E+07	*	2.366E-41	5.475E-41	0.136531	chr21_43959601_439598(	sig	hyper
chr21	4.4E+07	4.4E+07	*	5.567E-41	1.279E-40	0.135023	chr21_43959801_439600(	sig	hyper
chr21	4.4E+07	4.4E+07	*	5.331E-24	8.755E-24	-0.11067	chr21_44290201_442904(	sig	hypo
chr21	4.4E+07	4.4E+07	*	4.801E-30	8.984E-30	0.10508	chr21_44334001_443342(	sig	hyper
chr21	4.4E+07	4.4E+07	*	4.697E-79	1.925E-78	-0.21999	chr21_44353201_443534(	sig	hypo
chr21	4.4E+07	4.4E+07	*	4.88E-16	6.506E-16	-0.10158	chr21_44354001_443542(	sig	hypo
chr21	4.4E+07	4.4E+07	*	4.8E-40	1.086E-39	0.227351	chr21_44391601_443918(	sig	hyper
chr21	4.4E+07	4.4E+07	*	3.695E-41	8.512E-41	-0.15059	chr21_44452401_444526(	sig	hypo
chr21	4.4E+07	4.4E+07	*	1.549E-19	2.278E-19	0.106718	chr21_44463601_444638(	sig	hyper
chr21	4.4E+07	4.4E+07	*	4.627E-23	7.442E-23	0.121575	chr21_44463801_444640(	sig	hyper
chr21	4.5E+07	4.5E+07	*	4.298E-18	6.075E-18	-0.11248	chr21_44683001_446832(	sig	hypo
chr21	4.5E+07	4.5E+07	*	1.84E-104	1.06E-103	-0.26476	chr21_44920801_449210(	sig	hypo
chr21	4.5E+07	4.5E+07	*	2.276E-24	3.769E-24	-0.14833	chr21_44921001_449212(	sig	hypo
chr21	4.5E+07	4.5E+07	*	2.613E-20	3.921E-20	-0.12196	chr21_44928401_449286(	sig	hypo
chr21	4.5E+07	4.5E+07	*	3.43E-103	1.94E-102	0.252665	chr21_44990001_449902(	sig	hyper
chr21	4.5E+07	4.5E+07	*	2.056E-31	3.952E-31	-0.10476	chr21_44990601_449908(	sig	hypo
chr21	4.5E+07	4.5E+07	*	7.933E-28	1.421E-27	-0.11781	chr21_45000401_450006(	sig	hypo
chr21	4.5E+07	4.5E+07	*	2.09E-20	3.143E-20	-0.1265	chr21_45004601_450048(	sig	hypo
chr21	4.5E+07	4.5E+07	*	8.611E-51	2.322E-50	-0.18198	chr21_45004801_450050(	sig	hypo
chr21	4.5E+07	4.5E+07	*	1.722E-38	3.795E-38	-0.12601	chr21_45030001_450302(	sig	hypo
chr21	4.5E+07	4.5E+07	*	9.52E-32	1.843E-31	-0.18091	chr21_45257801_452580(	sig	hypo
chr21	4.5E+07	4.5E+07	*	2.04E-106	1.21E-105	0.255634	chr21_45286601_452868(	sig	hyper
chr21	4.5E+07	4.5E+07	*	3.66E-227	1.08E-225	0.252604	chr21_45286801_452870(	sig	hyper

chr21	4.5E+07	4.5E+07	*	4.14E-147	4.22E-146	0.309099	chr21_45295001_452952(	sig	hyper
chr21	4.5E+07	4.5E+07	*	4.524E-27	7.981E-27	-0.14573	chr21_45302601_453028(	sig	hypo
chr21	4.5E+07	4.5E+07	*	8.8E-107	5.24E-106	-0.31384	chr21_45303201_453034(	sig	hypo
chr21	4.5E+07	4.5E+07	*	4.29E-26	7.407E-26	-0.11521	chr21_45430801_454310(	sig	hypo
chr21	4.5E+07	4.5E+07	*	1.351E-82	5.813E-82	0.139796	chr21_45439201_454394(	sig	hyper
chr21	4.5E+07	4.5E+07	*	8.063E-31	1.533E-30	-0.15106	chr21_45444001_454442(	sig	hypo
chr21	4.5E+07	4.5E+07	*	1.373E-41	3.19E-41	-0.19241	chr21_45478601_454788(	sig	hypo
chr21	4.6E+07	4.6E+07	*	2.069E-46	5.206E-46	-0.14081	chr21_45559601_455598(	sig	hypo
chr21	4.6E+07	4.6E+07	*	2.615E-58	7.934E-58	0.253273	chr21_45642601_456428(	sig	hyper
chr21	4.6E+07	4.6E+07	*	8.958E-27	1.57E-26	0.149986	chr21_45978601_459788(	sig	hyper
chr21	4.6E+07	4.6E+07	*	1.42E-18	2.036E-18	-0.12235	chr21_45984201_459844(	sig	hypo
chr21	4.6E+07	4.6E+07	*	2.109E-63	6.925E-63	0.220391	chr21_46033801_460340(	sig	hyper
chr21	4.6E+07	4.6E+07	*	2.681E-15	3.507E-15	0.14144	chr21_46035801_460360(	sig	hyper
chr21	4.6E+07	4.6E+07	*	1.102E-26	1.928E-26	-0.10555	chr21_46095201_460954(	sig	hypo
chr21	4.6E+07	4.6E+07	*	2.474E-35	5.147E-35	0.157355	chr21_46099401_460996(	sig	hyper
chr21	4.6E+07	4.6E+07	*	1.019E-23	1.663E-23	-0.11357	chr21_46155401_461556(	sig	hypo
chr21	4.6E+07	4.6E+07	*	1.271E-42	3.005E-42	-0.1719	chr21_46284201_462844(	sig	hypo
chr21	4.6E+07	4.6E+07	*	7.54E-166	9.88E-165	0.128523	chr21_46298001_462982(	sig	hyper
chr21	4.7E+07	4.7E+07	*	3.505E-94	1.767E-93	0.274527	chr21_46661201_466614(	sig	hyper
chr21	4.7E+07	4.7E+07	*	1.22E-108	7.44E-108	0.27176	chr21_46661601_466618(	sig	hyper
chr22	1.7E+07	1.7E+07	*	2.04E-140	1.89E-139	0.238247	chr22_16601001_166012(	sig	hyper
chr22	1.7E+07	1.7E+07	*	3.01E-132	2.51E-131	0.207181	chr22_16602401_166026(	sig	hyper
chr22	1.7E+07	1.7E+07	*	6.01E-107	3.58E-106	0.196448	chr22_16602601_166028(	sig	hyper
chr22	1.7E+07	1.7E+07	*	1.268E-84	5.613E-84	0.240972	chr22_16602801_166030(	sig	hyper
chr22	1.7E+07	1.7E+07	*	1.649E-17	2.292E-17	0.141756	chr22_17037401_170376(	sig	hyper
chr22	1.7E+07	1.7E+07	*	2.5E-64	8.321E-64	0.181871	chr22_17121601_171218(	sig	hyper
chr22	1.7E+07	1.7E+07	*	2.542E-12	3.009E-12	0.10513	chr22_17172401_171726(	sig	hyper
chr22	1.7E+07	1.7E+07	*	3.97E-254	1.67E-252	0.203302	chr22_17370601_173708(	sig	hyper
chr22	1.7E+07	1.7E+07	*	4.304E-87	1.969E-86	0.210896	chr22_17370801_173710(	sig	hyper
chr22	1.8E+07	1.8E+07	*	8.088E-59	2.475E-58	0.254431	chr22_17564001_175642(	sig	hyper
chr22	1.8E+07	1.8E+07	*	2.194E-41	5.078E-41	0.156852	chr22_17748801_177490(	sig	hyper
chr22	1.8E+07	1.8E+07	*	4.808E-54	1.368E-53	-0.2333	chr22_17842601_178428(	sig	hypo
chr22	1.8E+07	1.8E+07	*	1.131E-54	3.25E-54	0.141844	chr22_18048401_180486(	sig	hyper
chr22	1.8E+07	1.8E+07	*	3.99E-122	2.91E-121	0.356591	chr22_18111401_181116(	sig	hyper
chr22	1.9E+07	1.9E+07	*	3.037E-90	1.453E-89	0.162728	chr22_18998001_189982(	sig	hyper
chr22	1.9E+07	1.9E+07	*	2.978E-91	1.445E-90	0.285556	chr22_19029201_190294(	sig	hyper
chr22	1.9E+07	1.9E+07	*	3.54E-118	2.46E-117	0.22997	chr22_19149201_191494(	sig	hyper
chr22	1.9E+07	1.9E+07	*	1.476E-76	5.839E-76	0.101957	chr22_19149801_191500(	sig	hyper
chr22	2E+07	2E+07	*	5.82E-91	2.815E-90	0.200444	chr22_19524401_195246(	sig	hyper
chr22	2E+07	2E+07	*	9.281E-64	3.064E-63	0.225958	chr22_19754801_197550(	sig	hyper
chr22	2E+07	2E+07	*	2.407E-90	1.154E-89	0.200045	chr22_19756201_197564(	sig	hyper
chr22	2E+07	2E+07	*	1.116E-69	3.997E-69	0.148777	chr22_19761201_197614(	sig	hyper
chr22	2E+07	2E+07	*	3.852E-75	1.491E-74	-0.26112	chr22_19892001_198922(	sig	hypo
chr22	2E+07	2E+07	*	6.166E-74	2.344E-73	-0.23977	chr22_19937601_199378(	sig	hypo
chr22	2E+07	2E+07	*	5.463E-21	8.339E-21	0.143074	chr22_19959201_199594(	sig	hyper
chr22	2E+07	2E+07	*	5.275E-70	1.899E-69	0.148705	chr22_20085801_200860(	sig	hyper
chr22	2E+07	2E+07	*	7.445E-86	3.349E-85	0.164119	chr22_20086001_200862(	sig	hyper
chr22	2E+07	2E+07	*	1.391E-42	3.285E-42	0.110018	chr22_20116201_201164(	sig	hyper
chr22	2E+07	2E+07	*	3.789E-15	4.937E-15	-0.13831	chr22_20139601_201398(	sig	hypo
chr22	2E+07	2E+07	*	6.008E-67	2.072E-66	0.248515	chr22_20204801_202050(	sig	hyper
chr22	2E+07	2E+07	*	2.582E-93	1.283E-92	0.278638	chr22_20249801_202500(	sig	hyper
chr22	2E+07	2E+07	*	2.712E-07	2.582E-07	-0.10266	chr22_20300601_203008(	sig	hypo
chr22	2E+07	2E+07	*	1.623E-94	8.227E-94	-0.27763	chr22_20429601_204298(	sig	hypo
chr22	2E+07	2E+07	*	1.576E-30	2.978E-30	-0.14723	chr22_20430601_204308(	sig	hypo
chr22	2E+07	2E+07	*	1.309E-24	2.184E-24	0.100009	chr22_20436801_204370(	sig	hyper
chr22	2E+07	2E+07	*	1.887E-26	3.287E-26	0.102111	chr22_20437001_204372(	sig	hyper

chr22	2E+07	2E+07	*	8.555E-53	2.382E-52	0.165627	chr22_20437401_204376(	sig	hyper
chr22	2E+07	2E+07	*	2.17E-105	1.27E-104	0.241452	chr22_20438201_204384(	sig	hyper
chr22	2E+07	2E+07	*	4.873E-24	8.014E-24	0.129514	chr22_20494801_204950(	sig	hyper
chr22	2.1E+07	2.1E+07	*	1.116E-23	1.82E-23	0.122366	chr22_21045401_210456(	sig	hyper
chr22	2.2E+07	2.2E+07	*	7.1E-102	3.95E-101	-0.2631	chr22_21632601_216328(	sig	hypo
chr22	2.2E+07	2.2E+07	*	2.066E-45	5.102E-45	-0.11779	chr22_21632801_216330(	sig	hypo
chr22	2.3E+07	2.3E+07	*	8.181E-75	3.151E-74	-0.26041	chr22_22520201_225204(	sig	hypo
chr22	2.3E+07	2.3E+07	*	4.005E-62	1.289E-61	0.133187	chr22_23071001_230712(	sig	hyper
chr22	2.4E+07	2.4E+07	*	5.822E-32	1.132E-31	-0.16149	chr22_23573201_235734(	sig	hypo
chr22	2.4E+07	2.4E+07	*	8.166E-21	1.242E-20	0.122938	chr22_23717601_237178(	sig	hyper
chr22	2.4E+07	2.4E+07	*	3.542E-22	5.565E-22	0.151045	chr22_23763401_237636(	sig	hyper
chr22	2.4E+07	2.4E+07	*	6.65E-130	5.37E-129	-0.29505	chr22_24427401_244276(	sig	hypo
chr22	2.4E+07	2.4E+07	*	3.055E-08	3.053E-08	0.107912	chr22_24494201_244944(	sig	hyper
chr22	2.5E+07	2.5E+07	*	7.83E-101	4.3E-100	-0.2645	chr22_24607401_246076(	sig	hypo
chr22	2.5E+07	2.5E+07	*	2.055E-42	4.836E-42	-0.17845	chr22_24607601_246078(	sig	hypo
chr22	2.5E+07	2.5E+07	*	1.001E-45	2.484E-45	0.186524	chr22_24685801_246860(	sig	hyper
chr22	2.5E+07	2.5E+07	*	1.689E-75	6.573E-75	0.144491	chr22_25179201_251794(	sig	hyper
chr22	2.5E+07	2.5E+07	*	5.25E-109	3.23E-108	0.17495	chr22_25179401_251796(	sig	hyper
chr22	2.5E+07	2.5E+07	*	6.843E-69	2.424E-68	0.144689	chr22_25421401_254216(	sig	hyper
chr22	2.6E+07	2.6E+07	*	8.219E-16	1.091E-15	0.122437	chr22_26485201_264854(	sig	hyper
chr22	2.7E+07	2.7E+07	*	1.579E-68	5.556E-68	0.257972	chr22_26757001_267572(	sig	hyper
chr22	2.8E+07	2.8E+07	*	1.351E-56	4.001E-56	0.112229	chr22_27802201_278024(	sig	hyper
chr22	2.8E+07	2.8E+07	*	5.45E-111	3.45E-110	0.119231	chr22_27802401_278026(	sig	hyper
chr22	2.9E+07	2.9E+07	*	4.346E-73	1.63E-72	0.139235	chr22_28680001_286802(	sig	hyper
chr22	2.9E+07	2.9E+07	*	5.433E-21	8.293E-21	-0.14792	chr22_28885001_288852(	sig	hypo
chr22	2.9E+07	2.9E+07	*	2.7E-257	1.18E-255	0.228401	chr22_29313201_293134(	sig	hyper
chr22	2.9E+07	2.9E+07	*	6.11E-114	4.03E-113	0.388345	chr22_29479801_294800(	sig	hyper
chr22	3E+07	3E+07	*	8.907E-63	2.889E-62	-0.25129	chr22_29581801_295820(	sig	hypo
chr22	3E+07	3E+07	*	2.071E-51	5.634E-51	0.13627	chr22_29720401_297206(	sig	hyper
chr22	3E+07	3E+07	*	3.643E-38	7.978E-38	0.119244	chr22_30080401_300806(	sig	hyper
chr22	3E+07	3E+07	*	5.422E-72	2.005E-71	-0.24774	chr22_30266801_302670(	sig	hypo
chr22	3E+07	3E+07	*	5.596E-63	1.821E-62	-0.22424	chr22_30267001_302672(	sig	hypo
chr22	3.1E+07	3.1E+07	*	6.27E-113	4.08E-112	0.299294	chr22_30542001_305422(	sig	hyper
chr22	3.1E+07	3.1E+07	*	9.72E-149	1.01E-147	0.177622	chr22_30542401_305426(	sig	hyper
chr22	3.1E+07	3.1E+07	*	2.634E-22	4.151E-22	-0.13738	chr22_30566201_305664(	sig	hypo
chr22	3.1E+07	3.1E+07	*	1.633E-32	3.21E-32	-0.1181	chr22_30634801_306350(	sig	hypo
chr22	3.1E+07	3.1E+07	*	1.355E-31	2.614E-31	0.122963	chr22_30695201_306954(	sig	hyper
chr22	3.1E+07	3.1E+07	*	1.86E-19	2.729E-19	0.134768	chr22_30822201_308224(	sig	hyper
chr22	3.1E+07	3.1E+07	*	2.622E-61	8.317E-61	0.122934	chr22_30822601_308228(	sig	hyper
chr22	3.1E+07	3.1E+07	*	2.65E-51	7.194E-51	0.110936	chr22_30922201_309224(	sig	hyper
chr22	3.1E+07	3.1E+07	*	3.026E-88	1.409E-87	0.215347	chr22_31095401_310956(	sig	hyper
chr22	3.1E+07	3.1E+07	*	1.352E-64	4.515E-64	0.264491	chr22_31098601_310988(	sig	hyper
chr22	3.1E+07	3.1E+07	*	2.28E-178	3.54E-177	0.367809	chr22_31099001_310992(	sig	hyper
chr22	3.1E+07	3.1E+07	*	1.25E-293	8.58E-292	0.493779	chr22_31104401_311046(	sig	hyper
chr22	3.1E+07	3.1E+07	*	1.81E-228	5.4E-227	0.403585	chr22_31104801_311050(	sig	hyper
chr22	3.2E+07	3.2E+07	*	1.585E-37	3.438E-37	0.160177	chr22_31618401_316186(	sig	hyper
chr22	3.6E+07	3.6E+07	*	5.569E-20	8.289E-20	0.104255	chr22_36285201_362854(	sig	hyper
chr22	3.6E+07	3.6E+07	*	2.581E-17	3.569E-17	0.105879	chr22_36296801_362970(	sig	hyper
chr22	3.6E+07	3.6E+07	*	1.21E-221	3.33E-220	0.195731	chr22_36322401_363226(	sig	hyper
chr22	3.6E+07	3.6E+07	*	9.376E-28	1.676E-27	0.106408	chr22_36322601_363228(	sig	hyper
chr22	3.6E+07	3.6E+07	*	3.03E-285	1.86E-283	0.365317	chr22_36324001_363242(	sig	hyper
chr22	3.6E+07	3.6E+07	*	1.84E-134	1.58E-133	-0.25575	chr22_36410401_364106(	sig	hypo
chr22	3.7E+07	3.7E+07	*	1.045E-94	5.317E-94	0.21628	chr22_36703001_367032(	sig	hyper
chr22	3.7E+07	3.7E+07	*	4.196E-63	1.369E-62	-0.2696	chr22_37024201_370244(	sig	hypo
chr22	3.7E+07	3.7E+07	*	9.803E-20	1.449E-19	0.12972	chr22_37103401_371036(	sig	hyper
chr22	3.7E+07	3.7E+07	*	5.993E-74	2.28E-73	-0.14355	chr22_37282401_372826(	sig	hypo

chr22	3.7E+07	3.7E+07	*	1.562E-59	4.828E-59	0.102947	chr22_37334401_373346(	sig	hyper
chr22	3.7E+07	3.7E+07	*	3.599E-48	9.328E-48	0.202061	chr22_37334801_373350(	sig	hyper
chr22	3.7E+07	3.7E+07	*	3.668E-55	1.061E-54	0.213144	chr22_37335001_373352(	sig	hyper
chr22	3.8E+07	3.8E+07	*	2.032E-18	2.9E-18	-0.15738	chr22_37566601_375668(	sig	hypo
chr22	3.8E+07	3.8E+07	*	1.72E-140	1.59E-139	0.188679	chr22_37805601_378058(	sig	hyper
chr22	3.8E+07	3.8E+07	*	6.733E-37	1.443E-36	0.111356	chr22_37825201_378254(	sig	hyper
chr22	3.8E+07	3.8E+07	*	4.987E-51	1.348E-50	0.141662	chr22_37825401_378256(	sig	hyper
chr22	3.8E+07	3.8E+07	*	2.188E-28	3.957E-28	0.141363	chr22_37907201_379074(	sig	hyper
chr22	3.8E+07	3.8E+07	*	1.462E-90	7.021E-90	0.251156	chr22_37983401_379836(	sig	hyper
chr22	3.8E+07	3.8E+07	*	9.978E-48	2.567E-47	0.235245	chr22_38089601_380898(	sig	hyper
chr22	3.8E+07	3.8E+07	*	4.901E-31	9.356E-31	-0.15318	chr22_38110601_381108(	sig	hypo
chr22	3.8E+07	3.8E+07	*	3.662E-09	3.822E-09	-0.10793	chr22_38120801_381210(	sig	hypo
chr22	3.8E+07	3.8E+07	*	0	0	0.317133	chr22_38214401_382146(	sig	hyper
chr22	3.8E+07	3.8E+07	*	9.897E-83	4.269E-82	0.227252	chr22_38239601_382398(	sig	hyper
chr22	3.8E+07	3.8E+07	*	1.682E-65	5.689E-65	0.286647	chr22_38429801_384300(	sig	hyper
chr22	3.8E+07	3.8E+07	*	4.654E-15	6.044E-15	-0.10183	chr22_38444201_384444(	sig	hypo
chr22	3.9E+07	3.9E+07	*	3.784E-17	5.207E-17	0.120708	chr22_38699801_387000(	sig	hyper
chr22	3.9E+07	3.9E+07	*	5.176E-43	1.23E-42	0.191248	chr22_38873001_388732(	sig	hyper
chr22	3.9E+07	3.9E+07	*	2.822E-86	1.276E-85	0.168461	chr22_38873201_388734(	sig	hyper
chr22	3.9E+07	3.9E+07	*	1.17E-22	1.86E-22	-0.11685	chr22_38957601_389578(	sig	hypo
chr22	3.9E+07	3.9E+07	*	1.31E-101	7.23E-101	-0.13214	chr22_39231601_392318(	sig	hypo
chr22	3.9E+07	3.9E+07	*	3.557E-18	5.038E-18	0.100629	chr22_39313801_393140(	sig	hyper
chr22	3.9E+07	3.9E+07	*	2.09E-132	1.74E-131	-0.18063	chr22_39374401_393746(	sig	hypo
chr22	3.9E+07	3.9E+07	*	1.348E-34	2.767E-34	-0.1434	chr22_39381601_393818(	sig	hypo
chr22	3.9E+07	3.9E+07	*	2.523E-35	5.246E-35	0.138694	chr22_39388601_393888(	sig	hyper
chr22	3.9E+07	3.9E+07	*	1.16E-143	1.12E-142	0.293155	chr22_39456601_394568(	sig	hyper
chr22	3.9E+07	3.9E+07	*	4.101E-72	1.519E-71	0.344859	chr22_39456801_394570(	sig	hyper
chr22	4E+07	4E+07	*	3.769E-77	1.503E-76	0.254379	chr22_39558201_395584(	sig	hyper
chr22	4E+07	4E+07	*	2.058E-72	7.65E-72	-0.20714	chr22_39646601_396468(	sig	hypo
chr22	4E+07	4E+07	*	2.457E-82	1.054E-81	-0.25349	chr22_39999201_399994(	sig	hypo
chr22	4E+07	4E+07	*	3.44E-36	7.269E-36	0.179261	chr22_40419001_404192(	sig	hyper
chr22	4.1E+07	4.1E+07	*	1.249E-73	4.718E-73	0.295161	chr22_40679601_406798(	sig	hyper
chr22	4.2E+07	4.2E+07	*	1.784E-38	3.929E-38	-0.11357	chr22_42129001_421292(	sig	hypo
chr22	4.2E+07	4.2E+07	*	5.102E-20	7.603E-20	0.116275	chr22_42152201_421524(	sig	hyper
chr22	4.2E+07	4.2E+07	*	3.021E-11	3.439E-11	0.103797	chr22_42152401_421526(	sig	hyper
chr22	4.2E+07	4.2E+07	*	1.26E-122	9.25E-122	0.199261	chr22_42289801_422900(	sig	hyper
chr22	4.2E+07	4.2E+07	*	1.211E-39	2.718E-39	0.187794	chr22_42290001_422902(	sig	hyper
chr22	4.2E+07	4.2E+07	*	2.95E-172	4.23E-171	-0.24288	chr22_42338601_423388(	sig	hypo
chr22	4.2E+07	4.2E+07	*	1.523E-12	1.821E-12	-0.11936	chr22_42367801_423680(	sig	hypo
chr22	4.3E+07	4.3E+07	*	1.517E-32	2.984E-32	0.102436	chr22_42554201_425544(	sig	hyper
chr22	4.3E+07	4.3E+07	*	7.362E-23	1.177E-22	0.141571	chr22_42554401_425546(	sig	hyper
chr22	4.3E+07	4.3E+07	*	1.773E-45	4.386E-45	0.110709	chr22_42770201_427704(	sig	hyper
chr22	4.3E+07	4.3E+07	*	3.654E-52	1.006E-51	-0.16644	chr22_42858001_428582(	sig	hypo
chr22	4.3E+07	4.3E+07	*	8.606E-51	2.32E-50	-0.21813	chr22_43223601_432238(	sig	hypo
chr22	4.4E+07	4.4E+07	*	9.92E-152	1.09E-150	0.249081	chr22_43862801_438630(	sig	hyper
chr22	4.4E+07	4.4E+07	*	2.031E-36	4.315E-36	-0.15071	chr22_43996401_439966(	sig	hypo
chr22	4.4E+07	4.4E+07	*	3.37E-116	2.29E-115	-0.33383	chr22_44172401_441726(	sig	hypo
chr22	4.4E+07	4.4E+07	*	3.37E-171	4.76E-170	-0.2467	chr22_44172801_441730(	sig	hypo
chr22	4.4E+07	4.4E+07	*	2.422E-10	2.661E-10	0.108648	chr22_44313601_443138(	sig	hyper
chr22	4.5E+07	4.5E+07	*	3.935E-47	1.003E-46	0.209448	chr22_44729201_447294(	sig	hyper
chr22	4.5E+07	4.5E+07	*	2.46E-101	1.36E-100	0.208071	chr22_44729401_447296(	sig	hyper
chr22	4.5E+07	4.5E+07	*	3.644E-63	1.19E-62	0.281595	chr22_44729601_447298(	sig	hyper
chr22	4.5E+07	4.5E+07	*	2.33E-17	3.226E-17	-0.12699	chr22_44881601_448818(	sig	hypo
chr22	4.5E+07	4.5E+07	*	8.985E-74	3.407E-73	0.192591	chr22_45009001_450092(	sig	hyper
chr22	4.5E+07	4.5E+07	*	3.48E-166	4.58E-165	0.168319	chr22_45010601_450108(	sig	hyper
chr22	4.5E+07	4.5E+07	*	9.98E-109	6.11E-108	-0.3818	chr22_45162401_451626(	sig	hypo

chr22	4.5E+07	4.5E+07	*	6.412E-70	2.305E-69	0.176929	chr22_45201001_452012(	sig	hyper
chr22	4.5E+07	4.5E+07	*	1.44E-131	1.19E-130	0.361375	chr22_45212801_452130(	sig	hyper
chr22	4.5E+07	4.5E+07	*	4.348E-27	7.672E-27	-0.10385	chr22_45213401_452136(	sig	hypo
chr22	4.5E+07	4.5E+07	*	1.254E-09	1.335E-09	0.107531	chr22_45263801_452640(	sig	hyper
chr22	4.5E+07	4.5E+07	*	1.16E-114	7.73E-114	-0.22161	chr22_45309001_453092(	sig	hypo
chr22	4.6E+07	4.6E+07	*	3.597E-17	4.953E-17	-0.15042	chr22_45646001_456462(	sig	hypo
chr22	4.6E+07	4.6E+07	*	5.933E-41	1.362E-40	0.198546	chr22_45867601_458678(	sig	hyper
chr22	4.6E+07	4.6E+07	*	8.654E-22	1.348E-21	-0.16063	chr22_45884201_458844(	sig	hypo
chr22	4.6E+07	4.6E+07	*	1.898E-40	4.323E-40	0.21847	chr22_45889601_458898(	sig	hyper
chr22	4.6E+07	4.6E+07	*	1.361E-55	3.972E-55	0.21277	chr22_45889801_458900(	sig	hyper
chr22	4.6E+07	4.6E+07	*	1.63E-103	9.26E-103	0.26361	chr22_45890001_458902(	sig	hyper
chr22	4.6E+07	4.6E+07	*	3.381E-56	9.957E-56	-0.15793	chr22_45922801_459230(	sig	hypo
chr22	4.6E+07	4.6E+07	*	1.778E-49	4.705E-49	-0.15189	chr22_45968401_459686(	sig	hypo
chr22	4.6E+07	4.6E+07	*	1.013E-73	3.834E-73	0.165019	chr22_45971601_459718(	sig	hyper
chr22	4.6E+07	4.6E+07	*	7.845E-23	1.254E-22	-0.13815	chr22_46030201_460304(	sig	hypo
chr22	4.6E+07	4.6E+07	*	2.219E-84	9.794E-84	-0.19695	chr22_46076601_460768(	sig	hypo
chr22	4.6E+07	4.6E+07	*	3.4E-14	4.295E-14	-0.11323	chr22_46077201_460774(	sig	hypo
chr22	4.6E+07	4.6E+07	*	1.554E-38	3.428E-38	-0.12665	chr22_46081801_460820(	sig	hypo
chr22	4.6E+07	4.6E+07	*	1.32E-202	2.88E-201	-0.32458	chr22_46085001_460852(	sig	hypo
chr22	4.6E+07	4.6E+07	*	2.23E-212	5.54E-211	-0.36122	chr22_46085201_460854(	sig	hypo
chr22	4.6E+07	4.6E+07	*	1.822E-44	4.438E-44	0.208467	chr22_46088001_460882(	sig	hyper
chr22	4.6E+07	4.6E+07	*	1.33E-23	2.164E-23	-0.16859	chr22_46123201_461234(	sig	hypo
chr22	4.6E+07	4.6E+07	*	1.054E-37	2.293E-37	-0.18493	chr22_46268401_462686(	sig	hypo
chr22	4.6E+07	4.6E+07	*	2.41E-136	2.11E-135	-0.38742	chr22_46374001_463742(	sig	hypo
chr22	4.6E+07	4.6E+07	*	8.006E-49	2.098E-48	-0.25983	chr22_46375201_463754(	sig	hypo
chr22	4.6E+07	4.6E+07	*	5.967E-66	2.03E-65	-0.28696	chr22_46390801_463910(	sig	hypo
chr22	4.7E+07	4.7E+07	*	2.86E-195	5.62E-194	-0.28254	chr22_46685801_466860(	sig	hypo
chr22	4.7E+07	4.7E+07	*	5.962E-53	1.665E-52	-0.14049	chr22_46686001_466862(	sig	hypo
chr22	4.8E+07	4.8E+07	*	3.201E-37	6.907E-37	-0.17993	chr22_48396801_483970(	sig	hypo
chr22	4.9E+07	4.9E+07	*	1.099E-24	1.837E-24	-0.10107	chr22_48500601_485008(	sig	hypo
chr22	4.9E+07	4.9E+07	*	9.991E-28	1.785E-27	-0.11822	chr22_48902001_489022(	sig	hypo
chr22	4.9E+07	4.9E+07	*	1.181E-34	2.425E-34	-0.11883	chr22_48902601_489028(	sig	hypo
chr22	4.9E+07	4.9E+07	*	1.177E-64	3.932E-64	-0.14937	chr22_49168601_491688(	sig	hypo
chr22	4.9E+07	4.9E+07	*	9.43E-24	1.54E-23	0.136201	chr22_49416601_494168(	sig	hyper
chr22	5E+07	5E+07	*	2.084E-31	4.005E-31	0.129999	chr22_49632401_496326(	sig	hyper
chr22	5E+07	5E+07	*	3.08E-93	1.528E-92	0.140661	chr22_49670201_496704(	sig	hyper
chr22	5E+07	5E+07	*	2.01E-264	9.68E-263	0.302054	chr22_49671201_496714(	sig	hyper
chr22	5E+07	5E+07	*	2.663E-44	6.472E-44	-0.13127	chr22_49826201_498264(	sig	hypo
chr22	5E+07	5E+07	*	2.863E-13	3.513E-13	-0.10497	chr22_49830001_498302(	sig	hypo
chr22	5E+07	5E+07	*	1.342E-19	1.976E-19	-0.11555	chr22_49846001_498462(	sig	hypo
chr22	5E+07	5E+07	*	1.671E-59	5.163E-59	0.199036	chr22_49850001_498502(	sig	hyper
chr22	5E+07	5E+07	*	4.621E-20	6.893E-20	0.131925	chr22_49923601_499238(	sig	hyper
chr22	5E+07	5E+07	*	4.312E-61	1.363E-60	0.216053	chr22_49999801_500000(	sig	hyper
chr22	5E+07	5E+07	*	1.124E-83	4.905E-83	0.226632	chr22_50000001_500002(	sig	hyper
chr22	5E+07	5E+07	*	4.073E-88	1.892E-87	-0.2422	chr22_50017201_500174(	sig	hypo
chr22	5E+07	5E+07	*	1.089E-78	4.439E-78	-0.27657	chr22_50031601_500318(	sig	hypo
chr22	5E+07	5E+07	*	2.376E-54	6.791E-54	-0.1795	chr22_50039601_500398(	sig	hypo
chr22	5E+07	5E+07	*	1.302E-48	3.395E-48	-0.15713	chr22_50039801_500400(	sig	hypo
chr22	5E+07	5E+07	*	6.25E-216	1.62E-214	-0.32766	chr22_50045001_500452(	sig	hypo
chr22	5E+07	5E+07	*	1.975E-60	6.194E-60	-0.16437	chr22_50085201_500854(	sig	hypo
chr22	5E+07	5E+07	*	4.279E-11	4.843E-11	-0.1007	chr22_50085601_500858(	sig	hypo
chr22	5E+07	5E+07	*	2.693E-29	4.959E-29	0.164354	chr22_50169401_501696(	sig	hyper
chr22	5E+07	5E+07	*	3.535E-40	8.021E-40	0.167501	chr22_50177801_501780(	sig	hyper
chr22	5E+07	5E+07	*	9.231E-19	1.331E-18	0.131373	chr22_50178001_501782(	sig	hyper
chr22	5E+07	5E+07	*	5.583E-71	2.038E-70	0.210405	chr22_50178601_501788(	sig	hyper
chr22	5E+07	5E+07	*	1.99E-219	5.38E-218	0.185422	chr22_50190601_501908(	sig	hyper

chr22	5E+07	5E+07	*	6.573E-52	1.803E-51	0.237943	chr22_50206601_502068(	sig	hyper
chr22	5E+07	5E+07	*	3.51E-149	3.69E-148	0.515361	chr22_50267401_502676(	sig	hyper
chr22	5E+07	5E+07	*	5.25E-194	1.01E-192	-0.25685	chr22_50281801_502820(	sig	hypo
chr22	5E+07	5E+07	*	3.595E-10	3.921E-10	-0.11934	chr22_50286401_502866(	sig	hypo
chr22	5E+07	5E+07	*	2.011E-63	6.608E-63	-0.23199	chr22_50314601_503148(	sig	hypo
chr22	5E+07	5E+07	*	1.839E-85	8.227E-85	-0.22559	chr22_50485401_504856(	sig	hypo
chr22	5.1E+07	5.1E+07	*	3.08E-105	1.79E-104	0.320081	chr22_50547201_505474(	sig	hyper
chr22	5.1E+07	5.1E+07	*	2.73E-149	2.87E-148	0.175374	chr22_50548801_505490(	sig	hyper
chr22	5.1E+07	5.1E+07	*	6.062E-74	2.305E-73	0.245691	chr22_50578401_505786(	sig	hyper
chr22	5.1E+07	5.1E+07	*	1.018E-74	3.913E-74	0.256654	chr22_50578601_505788(	sig	hyper
chr22	5.1E+07	5.1E+07	*	8.914E-24	1.457E-23	0.122838	chr22_50697801_506980(	sig	hyper
chr22	5.1E+07	5.1E+07	*	4.858E-20	7.243E-20	0.138345	chr22_50775201_507754(	sig	hyper

Table S8 Differentially methylated regions between low grade adenoma and normal contorls

Symbol	qvalue	meth.diff
PRDM16-DT	0	26.92587
WRAP73	0	28.49458
TP73-AS1	0	20.46413
TNFRSF25	0	25.98066
TNFRSF8	0	20.53507
FBLIM1	0	36.99061
SYTL1	0	29.83014
GLIS1	0	14.69394
S1PR1	0	21.0325
S1PR1-DT	0	21.0325
VAV3	0	28.36895
TBX15	0	28.58531
H2BP2	0	27.80043
H3-2	0	27.80043
CD1D	0	15.20404
CACNA1E	0	26.40764
CR1L	0	35.26297
LINC01132	0	-36.5851
LINC01248	0	24.24334
MEIS1	0	34.8616
LBX2	0	25.13511
RAB6C	0	21.8112
FAR2P2	0	16.49991
ITGA4	0	25.48818
ZSWIM2	0	28.59626
GRM7	0	34.83726
NR1I2	0	25.57682
LINC01210	0	23.43647
IL12A-AS1	0	32.37748
PEX5L	0	26.17623
KCNIP4	0	22.48015
BEND4	0	31.01871
DKK2	0	36.51676
COL25A1-DT	0	24.39523
COL25A1	0	24.39523
PCDH10	0	28.18834
PCDH10-DT	0	28.18834
HAND2-AS1	0	23.51493
RXFP3	0	28.27727
FGF10	0	30.14533
OTP	0	22.11876
LINC00461	0	17.87791
KCNN2	0	28.81413
CDO1	0	31.68563
SLC27A6	0	18.69286
PCDHGA11	0	26.982
PCDHGC4	0	33.92016
HAND1	0	19.82049
TLX3	0	27.99178
IRF4	0	28.53489
LINC00472	0	34.77909

TBX18	0	24.66856
SIM1	0	29.71426
HOXA2	0	27.06654
VSTM2A	0	29.54993
TFPI2-DT	0	34.47593
TFPI2	0	34.47593
DLX6	0	27.42458
LOC107986930	0	26.2776
NEFM	0	27.6347
SFRP1	0	23.79956
VXN	0	33.614
ADHFE1	0	33.614
LOC102724687	0	33.614
C8orf34	0	29.98457
MSC-AS1	0	36.89509
RSPO2	0	29.46184
LYNX1-SLURP2	0	21.8444
LYNX1	0	21.8444
LINC01231	0	22.6015
SPAG6	0	27.56216
MYO3A	0	30.38108
LOC101929073	0	30.38108
PCDH15	0	28.97911
ZMIZ1	0	42.58287
TLX1	0	28.21236
RNH1	0	30.6927
RIC3-DT	0	20.63363
RIC3	0	20.63363
GRIA4	0	34.59006
FLI1	0	21.90968
LOC100507560	0	29.8438
KCNA1	0	29.8438
HOXC11	0	31.08656
TRHDE	0	29.89656
TRHDE-AS1	0	29.89656
ACSS3	0	36.25456
ALX1	0	28.05649
EID3	0	24.29283
CHFR	0	26.70009
CCNA1	0	24.58496
OBI1-AS1	0	25.79345
EDNRB	0	25.79345
NALCN	0	25.20264
FGF14	0	25.27091
COL4A1	0	28.52743
LINC01551	0	27.99294
FOXG1	0	27.99294
FOXG1-AS1	0	27.99294
LRFN5	0	36.70026
MDGA2	0	27.84677
FLRT2	0	27.90752
LOC100506731	0	27.90752
LOC105370792	0	-19.9171
SPTBN5	0	-19.9171
PYGO1	0	29.13943
BNC1	0	34.47414

MIR9-3HG	0	14.83857
ZNF75A	0	21.33422
TIGD7	0	21.33422
PRKCB	0	22.87131
LOC107984886	0	40.15275
SALL1	0	40.15275
SLC6A2	0	25.2377
GNAO1	0	22.08559
GNAO1-DT	0	22.08559
GNAO1-AS1	0	13.44129
CDH8	0	27.18258
CMTM2	0	18.24644
HSF4	0	30.59285
LOC105371332	0	23.65606
VAT1L	0	14.97566
SLC22A31	0	24.8785
SPIRE2	0	-29.338
FANCA	0	-29.338
SEPTIN9	0	37.90673
MIR4740	0	28.80828
PYCR1	0	-29.3649
ADCYAP1	0	36.74533
LOC107985118	0	28.00419
ZNF492	0	30.73444
ZNF790-AS1	0	38.08328
ZNF229	0	27.51496
ZNF415	0	28.28584
LOC107987270	0	26.63102
ZNF542P	0	40.73433
ZSCAN5A	0	40.73433
ZNF543	0	18.07274
ZNF549	0	22.30207
ZIK1	0	39.11628
ZNF256	0	12.50483
ZNF135	0	36.82387
ZSCAN18	0	17.96931
ZNF132	0	19.32712
ZNF334	0	26.07758
ADAMTS5	0	36.27573
MIRLET7BHG	0	-32.4004
GRID1	1.16233	16.12124
SPATS1	2.19785	12.89212
S100P	2.58532	-34.7033
TCF7	1.18440	20.91186
ATP10A	5.19300	28.22533
KCNQ5-DT	7.61723	33.09907
SST	1.09967	26.18238
ZNF331	4.82358	28.63773
SEMA6D	0	24.59578
SEC31B	6E-308	27.45019
MKX	8E-305	18.04605
SFMBT2	3E-304	25.73052
IRF7	4E-304	-37.5726
TRPC4	5E-304	32.25236
NKX2-2	1E-303	18.80546
NKX2-6	4E-303	26.9949

GFRA1	1E-301	25.12363
ACOT7	1E-301	-42.4704
IGFBP3	2E-299	29.29074
ZNF571-AS1	2E-298	28.42161
ZNF540	2E-298	28.42161
SYT1	2E-297	23.34731
RAB3C	5E-297	18.08897
DPY19L2	7E-297	11.4118
EPHA5	1E-295	19.03861
MAJIN	1E-295	29.87185
NPPC	6E-295	18.39555
RELN	5E-294	22.15924
ATP4A	7E-292	27.24915
ECHDC3	2E-291	22.36887
HOXC6	6E-290	37.24319
FOXC2	6E-290	18.38094
C9orf50	2E-289	42.12558
ZNF804A	2E-288	25.01968
PRAC2	2E-288	26.25967
HOXC-AS1	3E-287	17.07729
TMTC1	4E-287	25.12419
FEZF2	1E-286	21.51309
HAND2	1E-286	21.81641
ZNF304	4E-285	26.24228
RALYL	2E-284	26.69368
PCDH9	4E-284	30.02917
LINC01535	4E-283	26.35676
NPY	4E-283	32.72674
SYT6	7E-282	20.45208
NRN1	4E-281	27.85598
LOC105369614	9E-280	26.58267
PENK-AS1	3E-279	20.22584
PENK	3E-279	20.22584
UNC5C	4E-279	22.25387
KCTD8	1E-278	26.40688
FBN2	6E-278	22.89158
ST6GALNAC5	6E-278	21.30327
GCM2	5E-277	27.03992
LOC105374996	6E-277	20.0887
ZNF880	8E-277	26.5129
BCAT1	2E-276	27.41083
EPHA7	3E-276	14.45663
TACR3	8E-276	27.31962
H2BP1	1E-275	26.77735
NELL1	6E-274	33.41863
SNTG1	8E-274	25.22797
CELF2	2E-273	31.63792
ADGRL3	3E-273	29.51734
ZNF625-ZNF20	3E-273	23.17956
ZNF625	3E-273	23.17956
LBX1-AS1	2E-272	16.71952
PTGFR	1E-271	33.20328
LOC107984871	7E-271	-30.5349
PHOX2B-AS1	1E-270	36.80863
GAL3ST3	7E-270	27.23103
CFAP54	6E-269	14.03549

ANKRD7	1E-268	22.98465
OLIG3	7E-268	25.50495
GLB1L3	8E-268	10.26934
PCDHA13	8E-267	24.19468
HCG4	7E-266	21.48669
IGF2-AS	2E-265	22.29689
PAX5	4E-264	32.81057
NAALAD2	6E-264	19.53115
ZNF582-DT	9E-264	25.91328
ZNF582	9E-264	25.91328
TSLP	2E-263	23.92945
CNTNAP1	3E-262	14.63179
IFT140	4E-262	18.58878
LYN	1E-261	24.14442
HOTAIR	1E-261	27.2893
LOC107987187	1E-261	22.90085
ARPP21	5E-261	29.1722
SMIM43	1E-259	31.12819
SOX2-OT	2E-259	17.71533
MST1	4E-258	24.96942
AQP5	1E-257	20.94342
UTF1	4E-257	25.53071
LINC02418	2E-256	24.68741
SIM2	3E-256	12.87857
PDCD6IPP2	6E-256	28.83341
TCF24	8E-256	28.55269
MIR129-2	1E-255	26.40714
FAT3	2E-255	27.97812
RFX4	6E-255	28.76149
MIR663B	7E-255	33.11262
ADD2	3E-254	14.30392
GPR162	5E-254	-22.2412
SFRP2	2E-253	26.76036
ZNF610	3E-253	22.12805
ZNF781	3E-252	11.37758
LINC01230	1E-251	20.00783
IKZF1	2E-251	19.96806
ADORA2A	2E-251	-27.7936
SLC18A3	4E-251	33.05378
LINC02106	4E-251	24.41737
CIDEA	4E-251	23.75314
FGF5	6E-251	25.30181
THCAT155	7E-250	19.65875
LINC00665	8E-250	26.60729
GATA5	3E-249	21.1763
TBX5-AS1	4E-249	31.0676
TBX5	4E-249	31.0676
FGF3	5E-249	14.91267
MIR124-3	1E-248	17.90066
WT1-AS	2E-248	25.90225
CADM2	3E-248	14.53491
CHRM2	3E-248	35.82823
AKR1B1	3E-248	10.19524
SGK1	1E-246	26.0641
FAM237A	1E-246	30.00771
FBXL8	2E-246	-29.6152

ALX4	5E-246	23.11912
PAUPAR	6E-246	23.64539
POM121L2	8E-246	10.9779
GALNT13	2E-245	31.27705
WDR17	3E-245	20.96382
TNFSF11	3E-245	20.03569
CA10	4E-245	31.63845
SPART	5E-245	23.26941
NARF	7E-245	-36.5475
PRKAR1B-AS2	9E-245	23.94621
COPB2-DT	1E-244	18.68017
RBP1	1E-244	18.68017
ZNF568	2E-244	21.12214
ZNF829	2E-244	21.12214
SNCA	1E-243	20.47354
OLIG2	4E-242	30.45448
SPART-AS1	5E-242	21.38402
FOXD2-AS1	8E-242	25.37768
MICU3	9E-242	41.12536
CRMP1	3E-241	35.29912
ADGRA1	5E-241	17.04999
ADGRA1-AS1	5E-241	17.04999
USP44	1E-240	18.25302
HBM	4E-240	16.68878
DPY19L2P1	3E-239	18.29023
ADAMTS20	9E-239	26.65212
TAFA4	3E-238	25.19406
EOMES	3E-238	36.34972
SPX	7E-238	12.66186
LINC01414	7E-237	28.2567
ADAMTS16	9E-234	34.40677
ADAMTS16-DT	9E-234	34.40677
FOXE1	2E-233	28.85051
SPHKAP	3E-232	25.33359
SPOCK3	4E-232	25.44078
IQSEC1	1E-231	19.3592
PDCD1	1E-231	-26.3242
RASGRF1	2E-231	16.0313
OSR2	2E-230	24.24903
SFTA3	2E-230	16.95993
EYA4	2E-230	25.68451
HLA-V	4E-230	29.71313
DNAH10	4E-230	-30.4355
SLFN13	1E-229	22.84871
CEROX1	1E-229	13.11669
LTB4R	1E-229	17.99211
CIDEB	1E-229	17.99211
GALNTL6	2E-229	27.39741
ZNF43	9E-229	15.85648
LUZP2	9E-229	23.20237
ZNF134	4E-228	10.65637
NBEA	3E-227	25.745
ALDH3B2	1E-226	-23.008
TNFAIP8	1E-226	-30.211
LRRC4C	3E-226	21.30244
MSC	8E-226	30.40201

ARRDC2	1E-225	18.49194
TM6SF1	2E-225	18.00153
PTF1A	2E-225	23.26251
NR3C1	2E-224	24.96836
TRIM71	3E-224	18.35981
WT1	6E-224	22.93115
ZNF813	2E-223	16.55951
FGF12-AS2	2E-223	35.62016
RNF165	3E-223	15.62604
GRIN2A	7E-223	17.75612
AP3B2	2E-222	30.2532
NRXN1	6E-222	21.38139
CCDC140	4E-221	15.56526
CNRIP1	4E-221	37.17817
GRIK3	6E-220	15.45679
MAP9	1E-218	20.16625
MN1	4E-218	12.60184
GMDS	7E-218	23.11717
CYP26C1	1E-217	24.90315
ZFHX4	1E-217	24.22956
LOC107986952	1E-217	24.22956
ZNF418	2E-217	25.80757
CDRT15P3	1E-216	21.41729
ZIC4	4E-216	27.46466
CABP4	4E-216	-28.8975
EFS	3E-215	17.11394
ZNF98	6E-215	22.33952
LOC105369999	1E-214	28.2566
PAX6-AS1	1E-214	23.03614
RCN1	1E-214	23.03614
PAX6	1E-214	23.03614
GUCY1A2	2E-214	22.68748
ZEB2-AS1	8E-214	16.84463
ZEB2	8E-214	16.84463
FLJ32255	8E-213	29.82734
SNCA-AS1	4E-212	29.32534
ADCY8	3E-211	28.69766
TWIST1	3E-211	22.2685
LRRC3B	7E-211	30.35676
LRRC3B-AS1	7E-211	30.35676
RBFOX3	3E-209	21.60412
ARHGAP27P2	6E-209	18.82605
NALF1	5E-208	15.43064
GATA4	6E-208	18.28231
PHF24	2E-207	24.18494
POU4F3	2E-207	20.82824
ZNF350-AS1	4E-207	19.43741
PCDHGA8	8E-207	12.16659
LOC440982	1E-206	25.62711
ZNF879	1E-206	12.27597
GUCY1A1	2E-205	16.38256
RUNX3	2E-205	19.79428
CFAP44	4E-205	18.32915
TEN1-CDK3	2E-204	-23.0141
EPHA5-AS1	3E-204	29.80148
ZNF677	8E-204	30.58056

BHLHE23	9E-204	30.47805
ACTA1	2E-203	21.11875
SLC6A3	5E-203	28.09072
SLFN12L	7E-203	21.501
VSX1	8E-203	22.58118
ZIM2-AS1	3E-202	23.93474
FNDC1	4E-202	19.49307
LOC105370802	5E-202	21.76324
ELMO1	1E-201	14.50565
ZNF471	2E-201	28.20477
LINC02674	2E-201	21.49555
CNTNAP5	2E-201	27.25611
CNTNAP5-DT	2E-201	27.25611
KCNQ1DN	3E-201	17.65896
RPL39L	4E-201	15.16768
SPEGNB	9E-201	15.8752
ZNF578	1E-200	22.37232
CA11	1E-200	-35.6378
WTIP	3E-199	17.76209
GPR26	3E-199	31.40212
MIR9-3	4E-199	17.33903
EIF4E1B	5E-199	11.73037
SNCB	5E-199	11.73037
MIR4281	5E-199	11.73037
LVRN	2E-198	26.19089
ZNF570	2E-198	12.67267
ZNF569	2E-198	12.67267
SLC6A15	3E-197	29.2002
EVX2	7E-197	26.14046
ESR1	7E-197	28.24462
NR2E1	1E-196	15.01072
C12orf56	1E-195	20.30987
KLF11	3E-195	21.05616
COL24A1	4E-195	13.46711
THSD7B	6E-195	18.07658
PCDH17	8E-195	33.55587
PTMA	3E-194	-16.8139
AOX1	3E-194	10.13288
CARTPT	4E-194	29.7876
LRFN5-DT	5E-194	19.43438
INPP5D	6E-194	-24.9793
SOX21-AS1	7E-194	16.40676
LOC105369568	1E-193	13.06561
LOC101929538	1E-193	13.06561
RSPO3	3E-193	17.0193
LOC105377993	3E-193	17.0193
LOC105377989	3E-193	17.0193
SRD5A2	3E-193	30.59613
GHSR	4E-193	23.96164
SOX1-OT	5E-193	22.11803
LAYN	7E-193	22.93
ANKRD36BP2	4E-192	27.9506
WNT3	4E-192	12.86967
KCNQ5	8E-192	24.60866
KCNQ5-IT1	8E-192	24.60866
DBX1	1E-191	23.3848

MLF1	1E-191	10.38252
MLF1-DT	1E-191	10.38252
KRT14	2E-191	-29.2646
COL23A1	3E-191	17.16396
LOC105370455	3E-191	23.21059
GSDME	1E-190	16.88243
LINC00643	2E-190	26.77625
LOC107985038	3E-190	25.01953
EBF1	9E-190	22.91789
HOXC10	1E-189	16.53699
HOXC-AS3	1E-189	16.53699
PPP1R3C	1E-189	11.16138
PCDH7	2E-189	26.91716
KHDRBS2	4E-189	34.64838
EN1	5E-189	19.6936
SOX17	5E-189	29.57909
TRAPPC9	6E-189	-20.9046
HLA-DPB1	8E-189	27.66716
HLA-DPA1	8E-189	27.66716
MAP3K11	2E-187	-14.5714
GPR83	3E-187	24.92798
NPTX1	9E-186	19.70951
LONRF2	1E-185	29.69052
NKAPL	2E-185	21.92051
PTHLH	4E-184	11.79432
NRG1	4E-183	17.79842
AUTS2	9E-183	27.16858
TBX20	1E-182	24.03255
STAG3	1E-182	16.33678
GPC2	1E-182	16.33678
LINC02110	1E-182	17.93909
GDNF-AS1	1E-182	17.93909
GDNF	1E-182	17.93909
CHAT	2E-182	20.21435
PRDM16	4E-182	21.58201
ZNF461	1E-181	11.16208
NKX2-8	1E-181	25.92036
PLEKHH3	2E-181	19.04312
LOC105371209	4E-181	31.20748
FGF14-AS2	6E-181	10.8349
FGF14-IT1	6E-181	10.8349
TMEM179	6E-180	13.72667
ZNF273	1E-179	30.46321
NKX6-2	2E-179	24.30338
CNTNAP2	4E-179	17.2096
MORC2-AS1	2E-178	15.2447
MEIS2	3E-178	26.34019
A1BG	7E-178	19.98597
TAC1	9E-178	19.60682
MDGA1	2E-177	27.01151
TBXT	6E-177	12.53454
NOVA1-DT	2E-176	23.42819
NOVA1	2E-176	23.42819
LOC105369759	8E-176	15.3408
RBFOX1	1E-175	31.38287
IRX4-AS1	1E-175	18.94083

IRX4	1E-175	18.94083
TFAP2A	1E-175	18.32735
SLFN11	2E-175	18.203
ZNF148	2E-175	34.38254
DPY19L2P4	1E-174	20.27989
DYNLT5	1E-174	22.56171
HECW1	3E-174	22.4273
LOC101928416	1E-173	21.17834
BLCAP	1E-173	-24.7805
LOC107986925	2E-173	24.60125
TCAF1	2E-173	28.01467
KCNK10	2E-173	20.21745
LOC107986467	8E-173	23.65695
LINC02202	8E-173	23.65695
ARHGEF33	1E-172	19.89829
LOC375196	1E-172	19.89829
C8orf48	9E-172	18.38587
COL4A2	1E-171	-29.8869
MIR3185	1E-171	21.32249
CCNP	2E-171	-31.8052
TFAP2E	2E-171	20.73842
EML1	4E-171	22.27377
BRINP1	5E-171	29.63272
TCF4	6E-171	17.87925
LTBP3	2E-170	16.7881
MIR124-1HG	3E-170	22.2723
NTNG1	6E-170	21.08924
VCAN	9E-170	18.0998
KCNA4	3E-169	24.68417
CUX2	2E-168	28.14758
PEG3	6E-168	16.73445
EHBP1-AS1	1E-167	18.23261
ZNF876P	1E-167	26.78611
LOC107986395	5E-167	10.07385
PDPN	5E-167	30.46682
DBX2	1E-166	21.08204
LOC392232	2E-166	21.77191
SLCO4C1	4E-166	10.25524
FIGNL1	1E-165	16.49078
ADAP1	1E-165	-20.76
NDRG4	2E-165	18.49475
GRM1	2E-165	20.88239
PLK5	2E-165	-23.8668
EDIL3-DT	2E-164	18.04328
EDIL3	2E-164	18.04328
TMEM235	1E-163	20.06406
LOC105375980	1E-163	27.19236
PCDH8	4E-163	13.22667
PCDHGB4	7E-163	17.60536
MAGI2-AS3	8E-163	28.3644
MAGI2	8E-163	28.3644
LOC105375630	8E-163	23.14584
ZNF528-AS1	2E-162	26.34438
GDF6	2E-162	21.49295
ATXN8OS	4E-162	30.10454
CDH2	6E-162	15.36492

HRK	8E-162	12.63611
MIER2	2E-161	17.40253
CSMD1	2E-161	27.54262
BCAN	3E-161	18.38724
AGTR1	8E-161	17.55352
ZSCAN1	1E-160	28.56876
NT5C2	3E-160	26.65334
VEPH1	3E-160	12.28985
GNAL	3E-160	27.95957
ADRA1A	3E-160	30.37968
DMGDH	4E-160	22.74676
CHODL	6E-160	31.86917
KIAA1217	6E-160	20.51843
PHOX2B	8E-160	23.88712
SDC2	8E-160	21.56062
HOXC4	8E-160	24.88373
HYAL2	9E-160	-17.5159
PLCH2	2E-159	-27.4643
LINC01475	2E-159	23.57982
LOC101927851	3E-159	17.10276
MAL	7E-159	26.34383
LAMP5-AS1	2E-158	24.60309
PABPC3	4E-158	24.13082
LOC101928701	7E-158	24.44421
BDNF	7E-158	21.03788
LOC107984273	1E-157	18.40278
LIFR-AS1	1E-157	16.92064
LIFR	1E-157	16.92064
NTM	2E-157	25.63714
TSPYL5	3E-157	22.31456
RIPPLY2	3E-157	18.8731
LINC02587	5E-157	16.11035
TDH	8E-156	30.90668
S1PR3	8E-155	27.59013
RNF220	1E-154	30.89858
PALM2AKAP2	2E-154	19.02417
C8orf34-AS1	2E-154	32.91309
LINC01101	6E-154	-24.2026
NKX6-1	7E-154	17.57851
PDE1C	8E-154	25.39166
CHRNA4	9E-154	23.35077
KY	1E-153	14.7123
PHOX2A	2E-153	25.57412
EMILIN3	2E-153	14.33393
TLL1	1E-152	22.49765
LRP8	2E-152	10.73749
ZFP82	2E-152	17.22072
LOC107986383	5E-152	23.47072
CLIP4	1E-151	29.36718
PRIMA1	6E-151	19.65781
LHFPL4	1E-150	21.59745
KAZALD1	3E-150	-34.0966
CMIP	4E-150	-21.9772
GLI3	1E-149	17.86105
THBD	1E-149	13.2642
ANKLE1	2E-149	16.02363

MEF2C	2E-149	22.47262
BRINP3	2E-149	15.47884
C10orf53	2E-149	19.28938
SNX32	3E-149	25.06586
LAMA5	4E-149	-27.1872
ZFYVE21	9E-149	16.57304
LOC100289333	1E-148	27.83478
LINC02691	1E-148	25.28557
HSPA2	2E-148	14.05507
HSPA2-AS1	2E-148	14.05507
ZNF154	2E-148	22.68445
CCNI2	3E-148	-28.1879
SRRM4	2E-147	21.31314
CCDC169-SOHLH2	4E-147	17.1141
CCDC169	4E-147	17.1141
SYNDIG1	3E-146	35.54378
DPP10	4E-146	20.90554
LOC107985937	4E-146	20.90554
DPP10-AS1	4E-146	20.90554
INSC	5E-146	20.07837
CASR	6E-146	13.49562
YBX3P1	7E-146	24.6674
LIN28A	1E-145	22.50391
CD40	1E-145	14.79882
CROCC	3E-145	16.47887
EPB41L3	2E-144	13.25702
CLP1	4E-144	15.26906
TAFA2	7E-144	25.07793
PAX3	3E-143	12.63036
PHYHIPL	6E-143	17.31151
EFEMP1	1E-142	19.17813
REC8	2E-142	19.36421
CCDC144A	3E-142	20.69214
GRIK2	4E-142	22.94403
TRPC6	5E-142	36.07633
CLMP	6E-142	20.73637
MARCHF11-DT	6E-142	22.83515
MARCHF11	6E-142	22.83515
PDE6B	2E-141	16.5798
MIR34C	1E-140	13.79402
BTG4	1E-140	13.79402
VAV3-AS1	2E-140	22.25238
ZNF177	2E-140	26.59033
GABBR2	3E-140	19.11823
LOC780529	6E-140	22.37238
SHANK2	6E-140	16.80986
EFCAB1	8E-140	20.58514
MEST	1E-139	20.09722
MESTIT1	1E-139	20.09722
COL26A1	2E-139	20.04393
JAM3	3E-139	20.49711
TP73	6E-139	12.20524
SAPCD1-AS1	9E-139	17.23723
LINC00237	2E-138	18.75673
LOC105372473	3E-138	25.0896
ZNF835	3E-138	25.0896

LHFPL3	4E-138	13.0538
PDE4D	7E-138	15.47616
CCDC39	9E-138	11.1678
KDR	1E-137	28.29746
CMTM3	2E-137	15.62617
TMEM108	2E-137	23.78168
ADAMTS10	5E-137	11.50814
TPM4	9E-137	-16.4896
RAB34	1E-136	24.07039
HOXB3	2E-136	-21.0402
HOXB4	2E-136	-21.0402
SKOR2	4E-136	22.82983
HELT	6E-136	14.56721
LOC101929234	7E-136	27.50842
LOC441666	8E-136	27.36636
RNVU1-2A	1E-135	18.0291
LOC107986790	1E-135	18.86386
DMRT3	1E-135	29.12399
LYPLA2P2	2E-135	-34.8064
ZNF560	2E-135	21.72689
GJD2-DT	3E-135	24.1316
GJD2	3E-135	24.1316
SNAP91	7E-135	23.79444
AQP1	9E-135	16.6317
PCDHB18P	9E-135	30.24903
PIWIL4-AS1	1E-134	20.9968
SLC6A11	2E-134	22.9385
TMEM132E	2E-134	12.25497
TMEM132E-DT	2E-134	12.25497
MAP3K14-AS1	4E-134	27.13875
SEMA7A	4E-134	24.88432
PROX1-AS1	8E-134	19.11837
FOXI3	1E-133	19.43349
TNRC6C	2E-133	-22.9299
ARHGAP20	3E-133	20.35848
FRZB	8E-133	18.38924
ONECUT1	1E-132	24.50909
GPR158-AS1	4E-132	13.17574
CNGA3	4E-132	21.25707
LINC02875	6E-132	10.80301
PLD5	8E-132	20.13588
LRAT	9E-132	28.32126
MIR3650	4E-131	18.75283
CNTN5	5E-131	16.14023
ANKS1B	6E-131	33.4593
OSMR-DT	7E-131	25.43004
LINC01265	7E-131	25.43004
LINC00917	9E-131	-22.6048
ABLIM2	9E-131	21.77311
LRBA	1E-130	13.39512
LINC02696	2E-130	16.69666
AFG3L1P	2E-130	18.77747
CENPBD1P	2E-130	18.77747
SLC35F2	3E-130	17.92024
VAMP5	3E-130	19.56052
DCHS2	3E-130	18.80579

LINC02774	6E-130	21.00403
PREX2	7E-130	20.96581
PTPRG-AS1	5E-129	31.68272
H1-1	8E-129	13.80112
EFL1P1	1E-128	18.78682
HORMAD2	2E-128	18.24223
HORMAD2-AS1	2E-128	18.24223
LHX8	2E-128	24.16936
RAB37	2E-128	22.65365
PITPNM1	3E-128	-18.5573
C2CD6	7E-128	21.18135
SYNE1	7E-128	16.31094
LOC101928847	1E-127	15.67057
PIK3R5-DT	1E-127	25.90227
LOC101927636	1E-127	26.92373
LOC105377460	1E-127	26.92373
NADK	1E-127	-17.1317
CYP1B1-AS1	7E-127	25.38478
CYP1B1	7E-127	25.38478
SOX5	7E-127	11.7818
HTR5A	3E-126	12.43831
SLC15A4	3E-126	16.44974
LOC101928188	6E-126	-18.9397
QKI	6E-126	18.27833
DEFB135	8E-126	-25.669
WNT5A	2E-125	26.13449
ZSCAN12P1	3E-125	13.50593
LOC105375334	3E-125	16.91587
KCNA3	5E-125	26.07379
ZDHHC22	7E-125	24.27417
SHOX2	7E-125	23.22514
LOC105372558	1E-124	16.44056
NKX2-4	1E-124	16.44056
IGDCC4	1E-124	19.34435
PRLHR	2E-124	23.26531
CYP2E1	2E-124	22.89538
LOC102723313	5E-124	19.46993
ADGRD1	5E-124	15.17808
LINC02848	9E-124	21.27516
GABRA5	2E-123	26.64459
CGB5	2E-123	-22.59
LINC01097	5E-123	21.76248
TSC2	6E-123	17.49203
SRCIN1	2E-122	14.98899
COL1A2	5E-122	20.75149
SLC8A1	2E-121	20.7532
VWC2	2E-121	10.09924
F7	4E-121	25.43069
LHCGR	6E-121	24.1289
MUS81	6E-121	-27.0839
PAH	1E-120	14.46922
LOC112267865	1E-120	14.46922
RXRG	2E-120	15.80945
ZBTB11	3E-120	-24.807
RYR3-DT	4E-120	23.45517
MIR10A	4E-120	-18.7346

IQCA1	8E-120	24.53566
DRGX	1E-119	25.99937
SLIT3	1E-119	19.52622
RBMS3	1E-119	23.24922
MIR3065	2E-119	-18.0547
AATK	2E-119	-18.0547
MIR657	2E-119	-18.0547
MIR338	2E-119	-18.0547
ZNF729	2E-119	26.76564
LOC105374618	6E-119	17.67179
LOC105374616	6E-119	17.67179
UBE2D2	6E-119	-20.1002
IRX6	8E-119	13.63453
DPYSL5	9E-119	16.16044
LINC01838	2E-118	25.26837
LOC105372377	2E-118	25.26837
LINC00904	2E-118	25.26837
MPPED2	7E-118	22.76116
STK31	1E-117	-12.7161
MEF2C-AS1	1E-117	32.40975
FAM184B	1E-117	18.75632
LTBP4	5E-117	17.51072
KRT7	5E-117	22.99861
IRX5	8E-117	26.9263
SNTG2	1E-116	27.12335
SNTG2-AS1	1E-116	27.12335
KCNC2	1E-116	25.7235
AK5	1E-116	14.62591
FZD10	1E-116	21.805
CDH18	2E-116	23.28993
PLXNB2	3E-116	-14.1079
ZIC5	5E-116	14.05543
CA3	6E-116	23.07202
VWDE	1E-115	21.79117
C1QL2	1E-115	23.6229
CFAP46	1E-115	24.83628
FAM83A	3E-115	-19.8073
ADAMTS1	7E-115	12.06464
BMP4	1E-114	15.54534
FHL2	1E-114	-15.0895
PCDHGA7	6E-114	21.37369
HOXC9	6E-114	22.46704
LOC644554	8E-114	26.00913
ZNF573	8E-114	26.00913
LOC105372394	8E-114	26.00913
PCDHGB6	2E-113	23.52109
CR1	3E-113	20.37174
FRMD4A	3E-113	18.39831
TRIM67	4E-113	20.58031
TSHZ3-AS1	4E-113	22.54965
FOXC2-AS1	7E-113	11.7047
PRAC1	8E-113	21.86322
SLC4A10	1E-112	17.44422
LIN28B	1E-112	19.38535
LIN28B-AS1	1E-112	19.38535
RIPPLY3	2E-112	27.17539

VAX1	3E-112	17.55775
EBF3	3E-112	16.4003
SYCP2L	3E-112	17.76445
VSX2	4E-112	21.02952
PTPRS	6E-112	14.51464
GPR75-ASB3	7E-112	27.16208
GPR75	7E-112	27.16208
HSD17B14	8E-112	21.56627
EGFLAM	2E-111	13.25287
ABCA3	2E-111	-16.0965
STOX2	3E-111	13.62148
NLRP6	4E-111	-22.5329
CYP26A1	5E-111	12.18173
C6orf58	9E-111	13.49687
SOGA3	9E-111	13.49687
GABRG3	2E-110	18.78666
LINC02767	2E-110	12.66291
NKAIN4	2E-110	19.03558
GAD1	3E-110	18.97751
PRDM8	6E-110	12.20133
SH3GL3	1E-109	16.27649
ZNF329	1E-109	22.58259
EVC	1E-109	32.55607
MAP10	2E-109	12.54539
NECAB1	2E-109	17.63409
LOC105375633	2E-109	17.63409
SLC17A7	2E-109	11.98147
CTNND2	3E-109	18.28877
RACGAP1	4E-109	25.26102
WDR86	1E-108	26.43661
ZDBF2	1E-108	18.16064
EPIST	1E-108	11.94354
LINC00506	1E-108	26.6833
PCDHA11	2E-108	12.76743
EREG	4E-108	27.05797
KCNH3	8E-108	20.07
LOC101929534	1E-107	11.13598
LINC00882	1E-107	11.13598
LOC107986021	1E-107	11.13598
OBSCN	3E-107	-12.3368
TSPAN4	3E-107	-18.9164
HOXA5	5E-107	18.05628
STMN2	5E-107	20.92637
CANT1	6E-107	-20.2974
HLX	1E-106	11.37342
HLX-AS1	1E-106	11.37342
PLPP4	1E-106	11.4567
MATK	1E-106	14.65247
GFRA2	1E-106	19.3665
RLBP1	2E-106	-25.1982
CCDC105	3E-106	27.0391
SLC1A6	3E-106	27.0391
PRKG2	3E-106	17.13535
FAIM2	7E-106	19.08505
CFAP161	1E-105	20.00111
ZNF805	1E-105	23.07819

MYRF	3E-105	17.05491
MMP16	3E-105	25.3248
RNF212	4E-105	-13.8086
DNAI1	6E-105	18.00474
B4GALNT1	8E-105	15.16225
LOC105373629	8E-105	25.93179
SYNPR	9E-105	20.53639
EHD3	1E-104	11.99337
CAPN14	1E-104	11.99337
LDHC	3E-104	16.99026
DPYS	3E-104	16.44703
NTRK1	3E-104	17.26067
IGF2	4E-104	13.72806
DOC2A	4E-104	-20.4413
RYR2	6E-104	14.60624
KCNAB2	6E-104	-22.7848
GRK2	1E-103	-22.3698
FBXL21P	1E-103	16.56832
PM20D1	1E-103	18.61242
ZNF518B	2E-103	-23.1264
S1PR4	3E-103	-23.7576
SLC35F1	3E-103	10.92672
NAP1L5	3E-103	14.21451
AHRR	5E-103	19.82662
CGB8	6E-103	-21.5803
ANKRD19P	1E-102	13.51306
DGKG	2E-102	15.08761
TEX19	3E-102	-22.2301
OTX2	3E-102	15.96564
HCN1	5E-102	17.48055
GUCY1B1	7E-102	24.92012
ADAM5	7E-102	18.56777
MIR9-1HG	1E-101	13.54539
MIR9-1	1E-101	13.54539
LINC00682	1E-101	26.86217
TPTEP1	2E-101	20.3959
GP6	3E-101	-16.8325
LIMS2	4E-101	-20.9351
ADGRL4	6E-101	23.60958
INA	7E-101	18.56001
SPSB4	7E-101	16.9451
ZNF808	7E-101	23.98038
SLC10A4	1E-100	16.86959
CPEB1-AS1	1E-100	17.08055
CPEB1	1E-100	17.08055
TCEA2	3E-100	-14.2973
ATP2A1-AS1	3E-100	14.46648
LETR1	7E-100	18.34959
LOC105370994	7E-100	18.34959
MSI1	7E-100	18.95065
SKI	7E-100	-17.0607
LINC02788	1E-99	16.05606
LINC02609	1E-99	16.05606
TNNT3	2E-99	-20.1132
DM1-AS	3E-99	12.8023
PCDHB6	3E-99	19.50849

FEZF1-AS1	6E-99	18.87229
FAM118A	7E-99	-16.2549
TMEM233	8E-99	19.66347
LOC105376586	1E-98	18.77241
LOC100129697	2E-98	-14.7175
CCDC8	2E-98	15.09925
PPFIA2	3E-98	11.80668
CHST15	2E-97	11.6259
LINC02861	2E-97	-17.2023
COLEC12	2E-97	18.23556
LINC02440	3E-97	18.93493
LOC401463	5E-97	15.22309
MIR124-2HG	5E-97	24.03056
ARHGEF7-AS2	8E-97	10.66121
CCK	1E-96	26.2555
QRFPR	2E-96	22.47864
PHACTR1	4E-96	22.5074
SAMD11	4E-96	-18.5899
NAALADL1	4E-96	20.79344
SH3RF3-AS1	4E-96	15.56834
PRELID3B	9E-96	-24.8573
SLMO2-ATP5E	9E-96	-24.8573
HAS1	1E-95	24.19863
C2orf27A	2E-95	26.94682
PCSK2	2E-95	21.32499
PON1	2E-95	-12.9697
TNK1	2E-95	15.51351
AKAP10	3E-95	23.17315
ST8SIA5-DT	3E-95	20.10222
ST8SIA5	3E-95	20.10222
PRDM13	3E-95	17.96548
GRIA2	8E-95	21.40603
TBR1	1E-94	16.07688
DPP6	1E-94	27.38935
SRRT	1E-93	17.7113
CIITA	1E-93	-19.2806
COL12A1	2E-93	14.63812
MGC12916	2E-93	19.18967
KLF17	2E-93	-24.4016
UNK	5E-93	-15.7755
PXDN	9E-93	-25.9096
STK19	1E-92	-19.9471
DXO	1E-92	-19.9471
ZNF730	1E-92	19.97438
PTPRZ1	2E-92	11.80953
CPNE8-AS1	3E-92	14.02707
CPNE8	3E-92	14.02707
AXIN2	4E-92	-27.0834
B4GALT7	5E-92	-24.3552
TUB	5E-92	16.56007
PCDHGA12	5E-92	26.76414
C2orf74	1E-91	23.11295
LOC339803	1E-91	23.11295
ARC	1E-91	-22.3188
PPP1R16B	5E-91	23.43845
MEOX2	6E-91	10.95995

BARX1	8E-91	22.00266
RGS22	9E-91	28.82102
SERTM1	1E-90	15.42595
PCDHA10	1E-90	16.50015
NEFL	2E-90	15.05164
LTF	2E-90	19.43677
PKIA	2E-90	14.1158
HHIP	2E-90	22.33068
ISL1	2E-90	14.96321
OR56A3	2E-90	14.98693
TRIM5	2E-90	14.98693
PRDM6	3E-90	16.5554
PTPN5	3E-90	19.22371
LIMCH1	4E-90	-28.0593
GOLGA8A	6E-90	12.09941
RFPL4B	6E-90	-17.4149
AFDN-DT	6E-90	-15.5277
DNM3	1E-89	13.20414
BARHL2	1E-89	13.31769
TMEFF2	1E-89	22.68047
RESP18	1E-89	23.31034
WNT3A	2E-89	16.69789
OSMR	2E-89	20.39656
SLC13A5	5E-89	21.28887
CPT1A	8E-89	-23.217
FADS2	1E-88	12.77582
NR1H2	1E-88	10.56143
KCNQ2	2E-88	13.59404
CNTN1	2E-88	17.9965
RAPGEFL1	2E-88	18.23411
KCNAB1	3E-88	14.7515
FSD1	4E-88	-17.0524
CHST8	6E-88	10.11939
LINC01586	1E-87	12.72173
ZNF528	1E-87	19.231
ZFHX4-AS1	1E-87	18.26104
ALDH1A2-AS1	1E-87	13.65231
PAX1	1E-87	16.54992
KCND2	2E-87	21.22785
LINC00485	3E-87	22.82818
KRT73-AS1	4E-87	18.55698
KRT72	4E-87	18.55698
LINC00163	4E-87	-14.306
HOXB6	4E-87	-22.2292
SYNGR3	5E-87	21.63079
RBPJL	5E-87	10.38472
PIWIL1	1E-86	13.03632
MAD1L1	2E-86	-19.4134
ODAD2	2E-86	24.04538
CBLN2	3E-86	20.70342
MSI2	4E-86	-13.081
PCDHB4	5E-86	21.30269
LINC00960	6E-86	13.04819
IZUMO1	6E-86	16.37878
B3GAT2	9E-86	10.64726
GLT8D2	1E-85	11.28777

DUSP22	1E-85	13.63499
LOC102723922	1E-85	13.63499
ZNF814	2E-85	18.76822
DLX3	3E-85	24.83083
ZFP28	4E-85	15.63253
ZFP28-DT	4E-85	15.63253
TDGF1	5E-85	16.45026
LOC100996662	7E-85	17.77733
SLC2A14	1E-84	21.18232
SYT3	1E-84	14.44443
DYDC2	2E-84	14.03826
DYDC1	2E-84	14.03826
DRAIC	3E-84	-11.2649
TH	3E-84	-19.942
PCDHGB3	4E-84	19.67452
FLT4	6E-84	-19.9307
RBFA	1E-83	10.69008
RBFADN	1E-83	10.69008
SHANK1	1E-83	-18.9536
DGKI	2E-83	12.99475
LOC107986022	2E-83	12.66196
MTURN	3E-83	23.21983
AVPR1A	3E-83	19.94187
HDAC9	3E-83	11.95149
PPT2	3E-83	14.36897
PPT2-EGFL8	3E-83	14.36897
PRRT1	3E-83	14.36897
SRGAP2C	4E-83	15.06298
FAM72B	4E-83	15.06298
OPCML	4E-83	20.22132
ZNF347	4E-83	11.38376
EPHA8	7E-83	13.78353
GIPC2	8E-83	-10.7193
MEIS1-AS2	2E-82	18.43593
PTPRD	3E-82	24.14765
ZNF454	7E-82	27.94226
ESRRG	8E-82	15.10777
KIF16B	8E-82	-23.197
PWRN3	8E-82	13.16146
CACNA1C	1E-81	-20.2718
NPFFR2	1E-81	19.3314
ARHGEF4	3E-81	20.61656
DDIT4L-AS1	3E-81	11.28959
PDZRN4	1E-80	29.84697
ACVR1C	1E-80	24.21179
NRADDP	1E-80	24.00578
BMS1P21	1E-80	13.37087
TASOR	2E-80	-17.4995
ZNF793	2E-80	19.38307
ZNF793-AS1	2E-80	19.38307
KCNK2	2E-80	17.69374
GALNS	3E-80	-12.7765
SLIT2	7E-80	14.30879
CRACDL	8E-80	23.06425
ACTB	8E-80	-12.9247
ST8SIA2	8E-80	12.17873

TERT	1E-79	13.82343
TMEM161A	1E-79	13.81603
LOC107985286	1E-79	19.71532
GATM	2E-79	18.18872
CRYAB	2E-79	19.82888
SOST	3E-79	-16.143
SLC17A3	5E-79	16.99496
B3GALNT1	7E-79	11.13636
SOX14	1E-78	24.92482
ECEL1P2	1E-78	24.06887
JPH3	1E-78	10.5498
RASAL3	1E-78	13.49856
PRDM14	2E-78	22.61895
TBC1D29P	2E-78	-19.786
PAX7	4E-78	13.05699
IGF2BP3	4E-78	10.69613
TMEM26	4E-78	17.69423
CCDC178	5E-78	24.17445
OSTM1	7E-78	11.60798
DOT1L	7E-78	20.43037
PTGER4P2-CDK2AP2P2	9E-78	14.04039
LOC101929373	1E-77	21.03343
MIR646HG	1E-77	20.58864
LOC729296	1E-77	20.58864
CCDC88B	1E-77	-10.6448
RPH3AL	2E-77	14.77113
SPRNP1	3E-77	15.22913
MSX1	5E-77	19.72944
DBN1	5E-77	-14.6922
HOXC13	7E-77	17.08538
SYT14	9E-77	23.15271
MYF5	1E-76	21.45679
FOXI2	1E-76	30.8346
DRD5	5E-76	23.53072
IGFBP5	7E-76	17.35162
FAM43B	8E-76	26.08998
HOXB-AS3	9E-76	-16.0634
LINC01783	1E-75	10.48642
MYOD1	2E-75	10.4952
STAP2	2E-75	15.7729
PCDHB3	4E-75	21.81259
TRPC7	4E-75	20.14546
LINC00942	4E-75	-15.6118
FBF1	7E-75	-10.3402
SVEP1	1E-74	11.0185
MIR365A	1E-74	16.84558
CHST10	2E-74	20.93957
C14orf39	2E-74	25.95729
PCDHGA9	2E-74	19.52836
ZNF200	3E-74	-21.2694
C10orf88	4E-74	16.09326
KRT87P	5E-74	14.02738
GPR146	6E-74	-14.0217
G3BP1	1E-73	12.18608
LINC01115	1E-73	19.04115
COLEC11	1E-73	12.58895

PP12613	1E-73	24.07892
DNAH2	2E-73	-27.6908
DYSF	4E-73	14.73455
C2CD4B	5E-73	-12.8678
GRK6P1	6E-73	12.06781
KCNG1	7E-73	15.69139
KCNC4	9E-73	10.50342
ZNF280A	9E-73	-20.9463
CALCB	9E-73	22.79677
LINC02610	1E-72	17.13107
SPON2	2E-72	10.3946
LOC100130872	2E-72	10.3946
KIFC3	2E-72	20.61085
PERM1	2E-72	-14.2248
GPR156	3E-72	18.64875
PRCD	6E-72	15.89152
CYGB	6E-72	15.89152
TRIM29	8E-72	-16.5797
PKD2L2	8E-72	22.69558
PKD2L2-DT	8E-72	22.69558
MIR4520-2	9E-72	18.86554
MIR4520-1	9E-72	18.86554
UCN	9E-72	12.35091
LOC105372842	1E-71	11.88922
PLPPR3	1E-71	-23.03
C19orf67	1E-71	19.03304
PAPLN	2E-71	-10.8979
NID1	2E-71	10.73103
KRT42P	3E-71	-19.2008
LOC105373526	3E-71	17.5626
DCC	3E-71	14.94389
EPHX3	4E-71	15.06647
LINC02706	4E-71	-17.5998
SLC45A4	5E-71	-29.9796
PRICKLE2	5E-71	16.42235
LINGO1-AS1	8E-71	-19.3633
CYP2W1	1E-70	-16.922
VWA1	1E-70	-21.6059
KCNQ1OT1	1E-70	11.50881
PDX1	2E-70	23.59084
PLAC9P1	2E-70	14.08197
LINC02282	2E-70	23.22836
TNFRSF10C	2E-70	10.23043
WNT2	3E-70	16.26744
FGD5P1	3E-70	16.42581
LOC112267871	5E-70	17.18172
ZFP42	6E-70	18.58049
LSP1	9E-70	10.04672
SFT2D3	1E-69	-13.5018
FAM240C	1E-69	-18.6025
FBXL7	1E-69	11.2895
TMEM130	2E-69	21.18211
CRACR2B	3E-69	-17.9139
RGS7BP	3E-69	20.92634
LOC105375879	7E-69	17.9247
CYP7B1	7E-69	17.9247

HOXC5	1E-68	15.92002
MIR615	1E-68	15.92002
MEI4	3E-68	20.19053
GRB10	3E-68	-15.1245
RNF126P1	3E-68	20.94639
CD8A	3E-68	16.76872
GGT1	4E-68	-18.1648
LINC00334	4E-68	-17.0077
RIMBP2	5E-68	-11.2925
FEZF1	7E-68	13.76149
LINC00354	8E-68	13.18449
PXDC1	1E-67	19.48965
NKX3-1	2E-67	18.59565
ZKSCAN7-AS1	3E-67	11.59871
LOC107984399	4E-67	-18.9917
ZPBP	4E-67	-14.4183
ADSS1	6E-67	-17.2634
SMOC1	8E-67	16.28164
LEMD1	2E-66	11.94402
BLACAT1	2E-66	11.94402
LINC01301	2E-66	-10.7044
RNF157-AS1	2E-66	-17.9956
PCDHGA4	3E-66	16.66694
MIR378B	6E-66	-19.0812
LDHD	7E-66	-14.6217
FOXF2	7E-66	14.29636
LOC105371059	9E-66	20.25385
NAA60	9E-66	20.25385
SLC25A51P4	1E-65	18.95757
MARCHF1	1E-65	20.29852
NXPH1	1E-65	24.90894
RGMA	2E-65	11.40495
H2AJ	4E-65	13.6988
SLC43A3	5E-65	19.65408
BOLA3	5E-65	21.22398
NMD3	7E-65	12.15075
NDUFS6	1E-64	13.44758
MRPL36	1E-64	13.44758
VMO1	1E-64	13.54131
ASCC1	2E-64	-24.4199
ZFAND2A	3E-64	-20.3142
RAB31	3E-64	18.76637
SLC12A4	5E-64	10.17208
ZNF804B	5E-64	18.84933
ZFP37	6E-64	10.76827
SNAP25	8E-64	10.06087
DPY19L1P1	9E-64	13.65222
LINC01558	1E-63	-11.7019
NEBL	1E-63	-18.2807
PHF21B	2E-63	12.26312
MELTF	2E-63	-10.2299
CTSW	2E-63	-14.4417
FRY	2E-63	-19.3433
EEF1DP3	2E-63	-19.3433
MTNR1B	2E-63	19.91214
RNF213	3E-63	-18.7866

PARD6G-AS1	3E-63	12.42722
MAFA-AS1	3E-63	-22.2718
PCBP3	3E-63	23.96353
CHST2	4E-63	13.26759
TMEM178B	6E-63	16.47776
PBX1	2E-62	11.51602
LHX2	2E-62	12.76291
CNNM1	2E-62	20.14795
ROBO1	3E-62	18.27982
APCDD1L-DT	3E-62	15.65063
TFAP2E-AS1	3E-62	18.72981
ESPNL	4E-62	-11.5026
B3GNT7	4E-62	18.32909
PIK3CD	4E-62	-21.5736
CBLN4	6E-62	23.05496
PDZD2	7E-62	12.15974
CARMIL2	8E-62	14.95564
ADGRB3-DT	1E-61	14.70988
ZNF354C	1E-61	15.22144
C1orf94	1E-61	15.74719
LOC107985177	2E-61	16.80371
PEG10	3E-61	10.65306
STK32C	3E-61	-13.095
CACNA1A	3E-61	24.10203
STX1B	5E-61	12.82084
NINL	8E-61	12.84325
COASY	1E-60	-12.7013
ST8SIA3	2E-60	28.20528
SCNN1A	2E-60	-18.0932
PARVG	4E-60	-15.2665
DMRT2	4E-60	14.23878
VSTM2L	4E-60	26.31618
LINC01044	7E-60	14.21279
BEND5	7E-60	17.56601
PRSS23	7E-60	-16.5619
LINC01356	8E-60	-14.5973
LINC01412	1E-59	10.2375
COL20A1	1E-59	-16.5708
ICMT-DT	1E-59	-16.5509
UNCX	2E-59	17.98367
AFF3	2E-59	-22.2163
LIPE	2E-59	-19.7691
GFAP	2E-59	-11.1785
ZPBP2	3E-59	30.36103
TMEM213	3E-59	19.29549
ATP6V0A4	3E-59	19.29549
PDYN-AS1	4E-59	12.38111
GALNT9	4E-59	-11.871
CNMD	4E-59	15.3669
MIR1185-2	4E-59	-12.7581
MIR381HG	4E-59	-12.7581
CYTH1	4E-59	13.01563
C7orf50	5E-59	12.15039
ZNF264	6E-59	10.50581
ATP4B	7E-59	-12.1811
RPSAP58	8E-59	10.18789

ANKRD34C-AS1	1E-58	17.27233
FLRT1	2E-58	11.31108
DAB1	2E-58	14.19188
ARHGEF1	3E-58	-10.5216
TARID	4E-58	17.98378
MIR6731	5E-58	-16.719
SPEM2	6E-58	-16.0063
CSMD2	9E-58	14.51235
MEG3	1E-57	15.76172
PROSER3	1E-57	13.25473
HSPB6	1E-57	13.25473
FAM163B	2E-57	11.94488
CIBAR2	3E-57	-11.5374
MACROH2A1	4E-57	11.87123
PNMA8A	6E-57	17.63965
PDE1B	9E-57	11.13522
MIR1225	9E-57	12.90423
CHL1	9E-57	24.56627
TRAF7	1E-56	-15.8617
ZIM2	1E-56	13.40344
ATP6V0CP3	1E-56	15.44802
NOTCH4	1E-56	-15.8596
GRM3	2E-56	16.45479
OTX2-AS1	2E-56	17.92242
KCNK9	2E-56	13.63678
LINC00391	3E-56	24.92203
NPAS3	4E-56	15.1625
TRPV3	4E-56	-16.5968
ZNF667-AS1	4E-56	20.86596
ZNF667	4E-56	20.86596
DDAH2	5E-56	10.81927
GRHL3-AS1	5E-56	-14.6917
RNF111	5E-56	19.42224
C9orf129	6E-56	19.17535
FNDC11	9E-56	-12.9242
MSRB3	1E-55	18.48955
TMPRSS6	1E-55	-16.2465
KCNA5	1E-55	15.30652
PRR36	1E-55	13.37084
PCDHGA5	1E-55	16.27013
AKAP12	1E-55	14.50762
CRABP1	2E-55	11.51112
IL1RN	2E-55	-15.8562
CHFR-DT	2E-55	10.41899
LINC01266	2E-55	12.61453
LBH	2E-55	22.621
LOC283028	3E-55	14.63584
SLC6A5	3E-55	19.18403
IFFO1	4E-55	16.06685
LINC02182	5E-55	13.53039
ROBO3	6E-55	18.57646
MAD2L2	1E-54	18.55655
NPR3	1E-54	12.47067
HMGCLL1	2E-54	16.01641
ADAMTS8	2E-54	14.05829
WNT6	3E-54	15.64862

LOC105379028	3E-54	14.2218
LOC403312	3E-54	23.7469
SCARF2	5E-54	16.09735
GNAS	8E-54	11.4162
GNAS-AS1	8E-54	11.4162
SULT4A1	1E-53	11.90972
HIF3A	3E-53	-11.7835
PAQR5	3E-53	11.17094
LOC105373656	4E-53	14.7405
SERPINB5	5E-53	-16.8085
CNPY4	6E-53	-22.0035
PBX4	8E-53	-11.5703
FAM242C	8E-53	20.72876
TMEM275	9E-53	23.20524
DAB2IP	1E-52	15.85499
MTMR9	2E-52	15.85565
DAAM2	2E-52	17.81795
PACSIN1	2E-52	14.44277
TRANK1	2E-52	10.89475
PRMT8	2E-52	10.54279
LOC283683	2E-52	14.57571
LRRC34	3E-52	-14.4436
MIMT1	5E-52	11.81587
HOXD3	7E-52	-12.0016
ARSI	7E-52	13.97202
BACH1	1E-51	-17.8711
TRIM31	1E-51	-18.1801
MUC6	1E-51	-12.0268
THBS4	2E-51	22.35641
PALM	2E-51	-22.2912
ITPKA	2E-51	17.00901
EFEMP2	4E-51	-19.0731
LINC02899	6E-51	14.93743
C16orf92	6E-51	-18.804
CFB	7E-51	-13.7059
LOC100653233	7E-51	11.45666
MIR3147	7E-51	11.45666
LILRB3	8E-51	-16.445
NXN	8E-51	-17.2275
LOC105372068	9E-51	14.6407
CELF4	9E-51	14.6407
PTP4A1	9E-51	-19.8462
FBXO21	1E-50	14.0657
HOXD12	1E-50	14.57087
TMEM269	2E-50	13.11067
LOC105374344	2E-50	14.12781
PTPRO	3E-50	11.04267
GCSAML	3E-50	13.77547
ST3GAL4	3E-50	15.98274
GSEC	3E-50	15.98274
SLITRK5	3E-50	17.98556
MIR4500HG	3E-50	17.98556
MOS	3E-50	23.26236
LINC00092	3E-50	10.46009
LOC105376159	3E-50	10.46009
LOC105372383	4E-50	22.05321

LY6K	5E-50	13.36978
MIR1-1HG-AS1	5E-50	11.73028
HERC5	5E-50	12.45783
PNPLA7	6E-50	-11.6163
LINC01726	6E-50	19.76297
DAW1	6E-50	10.45471
PITRM1	6E-50	-13.7087
ARHGAP25	8E-50	10.21489
PCDHGA6	9E-50	15.10719
LINC02593	1E-49	-12.1741
MSLN	1E-49	-10.1031
GATA2	1E-49	13.00227
ARHGAP27	1E-49	-17.8995
CCDC162P	1E-49	-17.1697
LHX1-DT	2E-49	18.53002
CD81	3E-49	-15.163
HAGLR	3E-49	16.54962
LOC729683	4E-49	22.73969
LIMD2	4E-49	22.73969
OSR1	4E-49	19.98709
TEX26	5E-49	14.96087
TEX26-AS1	5E-49	14.96087
ZNF282	6E-49	-11.1885
CLVS1	7E-49	12.6889
MIR10527	8E-49	13.2205
DNAH11	1E-48	12.12861
TTC6	1E-48	12.41947
FSTL1	2E-48	18.16708
DGKZ	2E-48	14.6226
LINC02179	2E-48	19.33006
RASL10B	3E-48	-10.8803
PROCR	4E-48	-11.3275
SNORA10	5E-48	-11.2086
SNORA64	5E-48	-11.2086
TSPAN32	7E-48	-21.3651
C3orf14	8E-48	14.425
POU2F2	8E-48	17.59566
CRISPLD2	1E-47	-13.8863
GNA15	1E-47	-10.509
C11orf21	1E-47	-14.6634
SPEG	2E-47	-16.8338
CDC25B	2E-47	-11.1432
RSPH6A	2E-47	11.91837
MBP	2E-47	-14.2528
PHF14	2E-47	-17.8198
HYPK	3E-47	-11.1063
ELL3	3E-47	-11.1063
SERINC4	3E-47	-11.1063
SYT9	3E-47	11.936
MIR4458HG	4E-47	12.61473
LINC02226	4E-47	12.61473
HIC1	4E-47	17.13105
ACY1	4E-47	-12.8752
ABHD14B	4E-47	-12.8752
ELAVL4	5E-47	15.80968
TGFB2	5E-47	11.60358

WNT9B	5E-47	12.80692
DNM1P35	6E-47	14.00761
ALOX12	6E-47	10.23154
FLNC	6E-47	-15.517
PCDHB13	9E-47	12.26068
KIF25	1E-46	-16.0542
ANKRD10	2E-46	-12.5774
LDLRAD4	3E-46	15.54498
HTRA4	3E-46	20.86587
GLDC	4E-46	17.23577
PCDHB2	4E-46	15.90963
HOXA-AS3	5E-46	13.18357
BAIAP3	1E-45	-14.776
CXCL12	2E-45	17.76874
STX1A	2E-45	-16.3529
ARHGEF17	2E-45	-10.9442
WNT16	2E-45	15.18925
CLDN5	2E-45	11.31843
CCDC154	3E-45	-12.5004
FBXO44	3E-45	17.24871
FBXO2	3E-45	17.24871
LINC02011	4E-45	18.37358
SIPA1	8E-45	-10.7213
IRX2	9E-45	12.10875
DPEP1	1E-44	12.326
PAQR9-AS1	1E-44	19.37106
PAQR9	1E-44	19.37106
ADGRG3	2E-44	-16.4206
ZDHHC11	2E-44	-13.3859
ABR	2E-44	-11.5807
GUCA2B	2E-44	-16.0345
CD300A	2E-44	10.43245
EFR3A	3E-44	-16.6094
CYBC1	3E-44	15.25959
STAR	3E-44	12.14215
HS3ST4	3E-44	14.85907
HOXA4	4E-44	-16.4705
AANAT	5E-44	-15.0396
SLC12A7	5E-44	-15.4116
HOXA6	5E-44	12.07618
TACC2	6E-44	16.49712
RIMS1	8E-44	17.60256
LOC102725048	8E-44	-14.4608
LOC102724220	8E-44	-14.4608
PLVAP	3E-43	-20.1267
TUBGCP3	4E-43	11.87815
LOC400553	4E-43	14.57499
SIGIRR	6E-43	-11.1849
PER3	6E-43	11.38872
LTC4S	8E-43	13.48236
RPL3	1E-42	-14.0119
FFAR1	1E-42	-18.5182
CAPN9	1E-42	-13.0561
PDE4C	2E-42	21.35953
C1orf109	2E-42	-11.315
MIR572	2E-42	13.95875

DPYSL4	3E-42	-11.5874
THNSL2	3E-42	-20.4909
RGS14	3E-42	18.81957
ZNF709	4E-42	11.79533
PPM1N	4E-42	13.50683
NUP58	4E-42	16.30217
CTBP1	5E-42	11.40963
ZBTB8A	5E-42	11.8253
ZBTB8B	5E-42	11.8253
DAO	7E-42	-14.5917
KCNIP2	8E-42	16.59847
ANKRD20A5P	1E-41	10.64578
KRTAP5-5	1E-41	-12.8424
EML2-AS1	1E-41	-15.2747
EML2	1E-41	-15.2747
CNTN2	2E-41	-11.7571
TF	2E-41	14.25349
GPR85	3E-41	11.17642
CDK5R1	3E-41	-13.1804
LOC101928047	4E-41	-11.7048
ABHD10	5E-41	-10.893
PRDM8-AS1	7E-41	14.28996
LOC107984568	8E-41	11.55277
DLEU7	8E-41	11.55277
PDE4B	1E-40	14.54359
MROH6	1E-40	12.31308
RUNDC1	1E-40	-23.458
MAPT-AS1	2E-40	12.48987
ADIRF-AS1	2E-40	-13.6163
LAMC2	2E-40	-11.9345
PGR	2E-40	13.14556
LEP	3E-40	14.17809
LMO1	3E-40	10.43186
TMEM220-AS1	4E-40	10.44933
VAX2	8E-40	11.47915
ATP6V1B1	8E-40	11.47915
HTR1E	1E-39	20.18213
SVOPL	1E-39	13.41544
GALNT6	1E-39	-12.8039
ANO7	1E-39	-10.163
UBALD2	1E-39	-11.3656
GRIN1	2E-39	18.21144
PRELID2	2E-39	-10.1897
SLC17A6	3E-39	13.87274
PAK6	3E-39	-14.6254
MCHR1	3E-39	19.72032
KCTD1	3E-39	12.53411
OTOG	4E-39	-11.4471
CERS2	5E-39	11.3378
GALR1	5E-39	10.70466
MIR662	7E-39	-12.5129
RADIL	9E-39	-10.4285
PFKP	9E-39	-12.9526
PTPRR	1E-38	14.35118
ACSF2	1E-38	13.49182
CHAD	1E-38	13.49182

HHEX	2E-38	14.77972
ATP2B2	2E-38	-15.9432
KDM4C	2E-38	-12.0882
ECEL1	2E-38	11.56443
LCN10	4E-38	-11.7017
APOBEC3A	4E-38	-13.8692
CACNG2-DT	5E-38	12.18942
MEG8	6E-38	-16.0162
ZNF518A	6E-38	-12.8776
NECTIN4	6E-38	-11.2308
KIF1A	7E-38	11.04947
HMX3	7E-38	10.35055
SMIM17	9E-38	14.47705
PHF19	1E-37	11.01158
LMX1A	1E-37	11.21249
LPCAT1	1E-37	10.33474
NMNAT2	1E-37	10.87959
WWTR1-AS1	2E-37	12.91652
LOC107984375	2E-37	17.11579
MGAT1	2E-37	11.20134
RTEL1	2E-37	10.13685
LOC107984437	2E-37	12.64594
LYSMD4	2E-37	-11.5753
MIR596	3E-37	-13.9551
LOC101927855	3E-37	12.25792
FAAP100	3E-37	-16.2538
JRK	4E-37	-12.0676
C1QTNF8	5E-37	-13.9736
C2	6E-37	-16.1579
EPHA4	9E-37	12.47158
TMEM30B	9E-37	-13.3817
ABCA1	1E-36	15.39038
CHID1	1E-36	-11.1701
ADAMTS19	2E-36	17.30916
OTOS	2E-36	-12.8135
TET3	2E-36	14.67672
RGMB	3E-36	-14.7073
SLC2A7	3E-36	-15.599
MNX1-AS2	3E-36	14.43653
MOXD1	3E-36	16.52202
ANKRD45	4E-36	13.78571
ZNF628	4E-36	-10.8749
GSTA4	5E-36	13.16719
CSGALNACT1	5E-36	19.03517
NCAM1-AS1	6E-36	-19.2126
GRAMD1B	6E-36	14.02833
ASGR1	8E-36	-13.8036
RNF222	9E-36	-12.1482
NLGN1	9E-36	10.87421
TPTE2P5	1E-35	-13.8682
SUGT1P3	1E-35	-13.8682
LOC107985911	1E-35	12.779
LINC00523	1E-35	-12.8153
ZNF890P	2E-35	13.61305
GABRD	2E-35	12.07174
LOC157273	2E-35	-11.804

FCHO1	2E-35	-14.6272
ARFGAP3	2E-35	-12.1574
MIR379	3E-35	-11.4727
H2AC16	3E-35	12.86984
MED15P9	4E-35	-10.5324
POTEF	4E-35	-10.5324
CCDC116	4E-35	-13.3961
AIRE	5E-35	-13.5168
CCDC194	5E-35	-10.4948
DCLK3	6E-35	17.21513
KCNT2	6E-35	12.42805
CCDC78	9E-35	-11.5237
ZIC2	9E-35	10.26433
MIR3189	1E-34	-12.7807
GDF15	1E-34	-12.7807
SHISAL2B	1E-34	17.65312
TLDC2	1E-34	-13.5443
PAPOLB	1E-34	12.67188
ERICH3	1E-34	15.46243
SNRPF	2E-34	15.91988
POFUT2	2E-34	10.59829
ANO7L1	2E-34	11.2516
B3GALT4	3E-34	-14.1806
DCDC2C	3E-34	10.31576
NTSR1	4E-34	13.23652
SLC7A9	4E-34	-17.519
ENDOV	4E-34	-12.3971
CERKL	5E-34	15.50379
NEUROD1	5E-34	15.50379
SMARCD3	5E-34	-14.0152
RAB40B	1E-33	12.10616
ORMDL3	1E-33	-11.6694
CPT1B	2E-33	13.5719
TBCD	2E-33	-10.8183
PDGFD	2E-33	-11.2576
ELFN1-AS1	3E-33	-17.9111
CFAP251	3E-33	-13.4772
NCAN	3E-33	20.73709
LEFTY1	4E-33	-14.1065
DMRT1	4E-33	12.10407
FMNL1	4E-33	10.74963
FMNL1-DT	4E-33	10.74963
EPB41	4E-33	-12.8633
JAKMIP3	4E-33	-13.4649
LINC00471	4E-33	12.04615
RALGDS	5E-33	10.61735
GBGT1	5E-33	10.61735
CACNA2D4	6E-33	-14.2135
AJAP1	7E-33	10.13538
SH2D3C	8E-33	-14.8533
SLC11A1	8E-33	-15.7923
ZDHHC8	8E-33	-15.854
DNAJC27-AS1	9E-33	-14.3003
PROCA1	9E-33	12.69786
REEP1	1E-32	-14.4821
TNNI3	1E-32	12.36712

CHRDL2	1E-32	13.16685
PICSAR	2E-32	-12.53
ABCA7	2E-32	-14.6425
SHCBP1L	2E-32	12.20325
TOGARAM2	2E-32	-12.3047
LFNG	3E-32	-11.1941
RNF39	3E-32	-11.5553
PF4V1	4E-32	-10.8965
SRPRB	5E-32	16.3772
SPPL2C	6E-32	-11.1936
MYH14	6E-32	-10.8809
NPPA	7E-32	-11.7937
FAM83C	7E-32	-13.3612
SH3BP2	8E-32	-12.1085
MYO7A	1E-31	11.63302
EMX2	1E-31	10.36589
RNF216	1E-31	-16.7194
HHAT	2E-31	14.90512
LCN6	2E-31	-10.3964
BGLAP	2E-31	-11.0171
TMEM105	2E-31	-11.8539
SNURF	2E-31	17.14587
SNRPN	2E-31	17.14587
SNHG14	2E-31	17.14587
LINC01410	2E-31	16.15745
DPH1	3E-31	-15.8309
BTBD19	3E-31	-11.1767
HOPX	4E-31	13.79371
MIR377	4E-31	-12.9638
TNFSF14	4E-31	-12.3821
SOAT2	5E-31	-12.7238
DISP1	7E-31	13.23835
HGS	8E-31	-10.3723
RAD51D	8E-31	17.75521
LINC00839	1E-30	13.83963
CCNYL2	1E-30	13.83963
HBQ1	1E-30	-10.2963
RAC1	1E-30	-11.5272
LDB3	2E-30	-10.9233
CHRNE	2E-30	15.14114
SLC51A	2E-30	-11.3225
MAPK4	2E-30	10.07707
SIX1	2E-30	16.46825
GFPT1	2E-30	-14.7434
LY6D	2E-30	-11.8744
MIR6075	3E-30	11.58891
CACNG7	5E-30	13.89614
MIR483	7E-30	-11.4383
MFSD12	1E-29	-10.1951
HS6ST1	1E-29	-11.1364
PABPN1L	1E-29	-10.6102
LINC01305	2E-29	10.24565
PSCA	2E-29	-10.2603
CAMSAP1	2E-29	12.64683
HAPLN4	2E-29	14.07442
NSD1	2E-29	11.1627

GASK1B-AS1	2E-29	11.66753
GASK1B	2E-29	11.66753
EPS8L1	2E-29	-14.4971
LINC00672	3E-29	-17.2322
LIMK1	3E-29	-10.1125
SND1	4E-29	17.16877
NCAM1	4E-29	11.42546
CUTALP	5E-29	15.38065
SLC38A11	5E-29	14.72691
AGL	6E-29	-13.3965
CLVS2	6E-29	13.77674
ITM2C	6E-29	14.0992
TCF21	7E-29	16.56324
PKN3	7E-29	-12.3251
TPRN	1E-28	-12.252
CD300LG	1E-28	-11.2951
GPX7	1E-28	12.77617
CLEC14A	2E-28	10.04548
PIGQ	2E-28	10.02624
NHLRC4	2E-28	10.02624
FOXP1	3E-28	16.15735
EIF4E3	3E-28	16.15735
ZNF295-AS1	3E-28	-13.4828
LOC107985502	3E-28	-13.4828
TPPP3	3E-28	10.12419
NR2F1-AS1	3E-28	13.45356
BCAR1	3E-28	-13.5345
SLFNL1	4E-28	-13.2764
UNC79	6E-28	17.30409
P2RX4	7E-28	-10.638
TRPM5	7E-28	-11.4618
LYST	1E-27	-14.9473
LOC100101148	1E-27	14.54639
TRIM74	1E-27	14.54639
PCDHB19P	2E-27	14.72818
NPTX2	2E-27	11.69377
TMEM216	4E-27	-10.3655
TLCD3B	4E-27	-13.0831
PTX3	4E-27	16.0867
ZNF611	5E-27	-12.1301
LOC101927418	5E-27	12.35191
IRAK3	6E-27	15.30312
UQCRQ	9E-27	-13.721
PLEKHG5	9E-27	-10.7818
ITIH1	9E-27	-11.7535
PACERR	1E-26	10.23271
PTGS2	1E-26	10.23271
TALDO1	1E-26	-13.6183
MAMDC4	1E-26	10.26576
RCN3	1E-26	18.49812
SLC35G2	2E-26	11.83812
TGIF1	2E-26	-10.8057
GPR17	3E-26	-12.1853
CACNA1H	3E-26	-10.3685
TRIO	3E-26	10.58085
DRD1	4E-26	11.8302

LOC105373352	5E-26	-11.6223
ZNF529	5E-26	10.89239
SLC66A1L	5E-26	12.82379
LOC105370295	5E-26	10.53357
LINC00028	5E-26	16.4607
FLVCR2	6E-26	-12.6523
TTLL5	6E-26	-12.6523
ARHGAP33	7E-26	-14.1773
SAMD8	7E-26	-15.2294
DUSP13	7E-26	-15.2294
OR3A2	8E-26	10.36791
KCNJ1	1E-25	-12.8884
ANK1	1E-25	-11.6189
KIAA0930	1E-25	11.21407
SULT2B1	1E-25	-11.8425
FAXDC2	1E-25	11.89525
MIR193B	2E-25	10.37399
SOX9-AS1	2E-25	13.29157
RBP7	2E-25	-11.2525
BMP8A	4E-25	-12.1608
GAL3ST1	4E-25	-12.5119
TRIP6	5E-25	-10.844
DLK1	6E-25	10.23819
NEFH	8E-25	17.01595
LOC107985541	8E-25	17.01595
ALPI	9E-25	-12.2791
TCP11	1E-24	-11.7832
MFN2	1E-24	-12.1738
ANKRD34C	1E-24	12.67947
KLHL14	2E-24	15.74818
C1QL1	2E-24	10.61527
TBC1D27P	2E-24	-10.6755
APCDD1L	2E-24	11.41185
MED10	2E-24	11.53334
LINC02406	3E-24	10.43215
MTFR1L	3E-24	-10.4068
C3	5E-24	-13.235
MST1L	5E-24	10.67151
SNED1	5E-24	13.86742
LHFPL5	7E-24	-13.4037
CLPS	7E-24	-13.4037
TRIT1	8E-24	-13.3132
INHBA	1E-23	-10.1279
NOS2	1E-23	-10.4807
RNF19A	1E-23	-10.6555
C3orf80	1E-23	13.25791
DNMT1	2E-23	-12.4071
RTN3	2E-23	-10.591
BHMT	2E-23	-12.0643
LOC100130370	2E-23	-10.4994
ADPRHL1	3E-23	-10.6192
KRT23	3E-23	-10.2455
L1TD1	3E-23	-11.1551
PLD3	3E-23	12.92204
LRRN4	3E-23	-15.7005
RAB5A	4E-23	-11.0023

FXYD6-FXYD2	6E-23	-11.0718
FXYD6	6E-23	-11.0718
MGAT3	7E-23	14.86537
LOC105373358	7E-23	-12.4018
ZNF300P1	7E-23	11.52112
FAM50B	7E-23	11.32079
KDM2B	7E-23	11.36349
GRID2IP	8E-23	10.37509
UGT8	8E-23	-10.2092
KCNT1	1E-22	-14.0888
AGAP11	1E-22	-10.454
NPPB	1E-22	11.7287
EPHB3	2E-22	12.57704
SLC29A3	2E-22	-10.5542
GPRC5D-AS1	2E-22	-16.5483
PHAX	2E-22	-11.8067
ATCAY	3E-22	-11.1151
VHL	5E-22	-11.8902
MYL5	5E-22	-13.0088
CHAC1	5E-22	-10.9263
ARHGEF10	6E-22	-11.5921
RORA	9E-22	10.9334
LOC107984805	9E-22	10.9334
CYP2T1P	1E-21	12.20794
AFAP1L1	1E-21	10.04403
ZNF580	1E-21	10.35901
ZNF581	1E-21	10.35901
CCDC106	1E-21	10.35901
MT2A	1E-21	-12.136
PGLYRP2	1E-21	-12.0656
NDUFAF1	1E-21	-12.6326
MCEMP1	2E-21	-10.7379
PLEKHG6	2E-21	-11.6499
ARL9	2E-21	-11.0847
MRPS15	2E-21	10.35586
IFITM5	2E-21	-10.5934
FAM228A	3E-21	10.20673
LOC105374328	3E-21	10.20673
MYOM3	3E-21	-10.7718
FAM169A	3E-21	-12.7372
PAX8-AS1	4E-21	11.30254
GCAWKR	5E-21	-10.7136
LOC100505588	5E-21	10.74295
FUT1	7E-21	-10.5509
SLC6A6	9E-21	-10.2488
FRRS1L	1E-20	11.85641
GSX1	1E-20	13.66481
BHLHE22	1E-20	11.03971
IQANK1	2E-20	-11.2678
FAM83H	2E-20	-11.2678
LOXL2	2E-20	13.22263
PLEC	2E-20	10.50959
BAALC	3E-20	16.04641
PTBP1	3E-20	-10.4007
CPED1	3E-20	11.79916
DLGAP4	3E-20	-13.6769

AGAP1	3E-20	10.31288
SLC34A1	3E-20	-12.2843
PDSS1	3E-20	-12.1094
CAPN12	4E-20	-10.9816
LOC441242	4E-20	-16.2213
HOXA3	8E-20	10.36941
SLC26A1	8E-20	-11.1513
RNF207	1E-19	-13.3292
E2F1	1E-19	-11.6632
NIPSNAP1	2E-19	-15.1766
GPR27	2E-19	12.36885
LOC105374901	3E-19	-10.7018
REM1	3E-19	12.17165
PRELID3A	3E-19	-10.9488
PROB1	4E-19	14.76396
CPA1	5E-19	-10.1891
TMEM178A	5E-19	10.32504
SCN4B	7E-19	-11.1409
MIR6875	7E-19	-11.1699
KLK12	8E-19	-10.5608
SHISAL1	8E-19	-11.0428
TJP3	9E-19	-10.1749
MGARP	1E-18	12.18391
PPP1R2	1E-18	11.78787
ARHGDIA	1E-18	-10.4768
PCMT1	1E-18	-10.3405
MMP2	2E-18	13.6588
KAT6A	2E-18	-12.108
TRPM4	3E-18	14.61296
KCNS3	3E-18	11.50009
ACTN2	4E-18	12.33106
IKZF4	5E-18	11.5387
CGB7	6E-18	16.47222
PFKFB3	6E-18	-10.9686
DEFB123	6E-18	-10.125
AMZ1	8E-18	-10.3245
RELB	9E-18	-10.045
LOC105375614	2E-17	15.12278
MIR4477B	3E-17	16.20052
LUC7L	3E-17	-12.337
L3MBTL1	3E-17	12.31104
CLEC2L	4E-17	10.83037
SFTPD	4E-17	11.36502
VLDLR	4E-17	10.40864
TMEM163	5E-17	12.32395
PAEP	6E-17	-11.842
ALDH3A1	6E-17	-10.0375
LOC105370791	1E-16	11.46882
CFAP100	3E-16	10.10358
RACK1	3E-16	-10.6734
WFDC2	4E-16	-12.3694
CARD14	5E-16	-10.2489
TACC1	7E-16	11.32948
OBP2B	2E-15	-11.4596
DPF1	2E-15	-13.0096
LGALS4	3E-15	-12.8014

GUCA1A	3E-15	13.24491
GH2	4E-15	-10.009
BIN2	6E-15	10.00261
OTUD3	8E-15	-10.2267
MAP4K1	1E-14	10.37093
TCF15	2E-14	10.62375
PRKD2	8E-14	-11.8862
THEM4	8E-14	-10.1064
POU2AF1	2E-13	12.74644
MACF1	2E-13	-10.647
GPR150	6E-13	10.15104
TMEM225B	2E-12	11.33911
IFNGR2	2E-12	-12.9011
CLEC18C	2E-12	-10.2175
LOC400541	2E-12	-10.2175
CPOX	1E-11	-10.8457
LYPD3	3E-11	-10.4085
ZNF670-ZNF695	5E-11	-10.2174
ZNF670	5E-11	-10.2174
TSPAN33	7E-11	12.45141
LRRC36	8E-11	-10.3429
KCTD19	8E-11	-10.3429
UPB1	8E-10	10.06445
PPP6R1	2E-08	-10.6512

Table S9 Differentially methylated regions between high grade adenoma and normal contorls

Symbol	qvalue	meth.diff
PLCH2	0	-47.96822192
PRDM16-DT	0	40.35908998
WRAP73	0	30.28370986
TNFRSF25	0	32.91983262
FBLIM1	0	49.11230865
SYTL1	0	44.09701549
FOXD2-AS1	0	51.56889754
GLIS1	0	22.39077713
ST6GALNAC5	0	30.49377078
VAV3	0	35.20433381
SYT6	0	33.16997427
TBX15	0	35.5620851
CR1L	0	45.81048978
LINC01248	0	30.00833881
MEIS1	0	40.56809014
LBX2	0	42.01789494
EN1	0	28.35359205
ZNF804A	0	38.81356358
AOX1	0	23.34622541
SPHKAP	0	36.64727192
INPP5D	0	-38.96648663
GRM7	0	40.78466721
ARPP21	0	42.65867068
MST1	0	35.55987769
NR1I2	0	28.71132916
PEX5L	0	37.88299445
SST	0	41.65580745
KCNIP4	0	39.28791152
BEND4	0	36.08188735
KCTD8	0	36.81582022
DKK2	0	46.60481176
PCDH10-DT	0	38.94832964
PCDH10	0	36.6379876
HAND2-AS1	0	27.81379823
HAND2	0	29.24666241
FGF10	0	39.21482409
LOC107986383	0	43.42289746
OTP	0	28.35915412
TSLP	0	35.43939138
CDO1	0	40.74619112
PCDHGC4	0	46.56375824
TLX3	0	37.25285382
ZNF879	0	21.37968688
IRF4	0	39.19066837
NRN1	0	31.62691944
GCM2	0	43.66079206
POM121L2	0	20.70573897
HCG4	0	31.50670633
SIM1	0	44.43558568
NR2E1	0	26.3339499
RFPL4B	0	-47.8767633

MAD1L1	0	-37.24009573
STK31	0	-34.57699218
HOXA2	0	42.19807472
AQP1	0	29.63238909
IKZF1	0	28.95017515
FIGNL1	0	31.17938405
VSTM2A	0	45.54272542
TFPI2-DT	0	36.05914304
TFPI2	0	36.05914304
RELN	0	34.83461192
LRRC4	0	27.68103731
LOC107986930	0	39.27492716
NKX2-6	0	33.98743455
NEFM	0	28.58504833
SFRP1	0	40.12266891
LYN	0	33.70854035
PENK-AS1	0	27.17147091
PENK	0	27.17147091
VXN	0	33.39131311
ADHFE1	0	33.39131311
LOC102724687	0	33.39131311
MSC-AS1	0	41.37263835
TRAPPC9	0	-45.13813181
LYNX1-SLURP2	0	32.127408
LYNX1	0	32.127408
LINC01230	0	41.89331384
LINC01231	0	38.95842723
PAX5	0	44.9964131
SPAG6	0	25.76939199
MYO3A	0	35.17906261
LOC101929073	0	35.17906261
SLC18A3	0	44.06697946
PCDH15	0	32.58562106
ZMIZ1	0	41.75254143
GRID1	0	21.32307692
SEC31B	0	48.78463328
TLX1	0	31.19921343
LBX1-AS1	0	26.79150654
GFRA1	0	38.24306599
RIC3-DT	0	34.57441554
RIC3	0	34.57441554
LRRC4C	0	41.82885185
MAJIN	0	37.59358109
ALDH3B2	0	-37.91428758
LOC100507560	0	30.03700874
KCNA1	0	30.03700874
GPR162	0	-38.59414063
BCAT1	0	40.65098404
TRHDE	0	31.63926811
TRHDE-AS1	0	31.63926811
ACSS3	0	43.0600195
USP44	0	35.58124601
EID3	0	40.98486009
LOC105369999	0	47.86185424
LINC02418	0	40.93413578
CHFR	0	41.40685672

CCNA1	0	36.96412774
TNFSF11	0	34.51532978
PCDH8	0	26.8200436
PCDH17	0	53.33305963
OBI1-AS1	0	30.4856106
EDNRB	0	30.4856106
NALCN	0	38.26979799
FGF14	0	34.90472375
LINC01551	0	31.14037243
LRFN5	0	40.14417603
MDGA2	0	41.22353423
FLRT2	0	43.12991249
LOC100506731	0	43.12991249
KCNK10	0	36.68659469
LOC105370802	0	35.99589065
PYGO1	0	37.46362681
RASGRF1	0	30.38053712
BNC1	0	38.16107674
ZNF75A	0	36.22775945
TIGD7	0	36.22775945
PRKCB	0	33.99810586
LOC107984886	0	46.77471706
SALL1	0	46.77471706
SLC6A2	0	31.41251522
GNAO1	0	40.98637019
GNAO1-DT	0	40.98637019
GNAO1-AS1	0	22.15355704
CDH8	0	33.61007722
FBXL8	0	-44.88161533
HSF4	0	33.62469171
LOC107984871	0	-44.41941558
SPIRE2	0	-34.32892419
FANCA	0	-34.32892419
SLFN13	0	44.18329839
HOXB3	0	-43.76014819
HOXB4	0	-43.76014819
ARHGAP27P2	0	29.72923879
MIR4740	0	28.70416418
PYCR1	0	-37.85923191
ADCYAP1	0	41.91334397
LOC107985118	0	37.99961531
ZNF492	0	46.10293932
LINC00665	0	39.2577648
ZNF790-AS1	0	54.2775454
LINC01535	0	36.66816724
ZNF571-AS1	0	40.9309172
ZNF540	0	40.9309172
ZNF781	0	37.19405409
ZNF229	0	34.42016518
CA11	0	-55.06415704
LOC107987270	0	34.68580858
ZNF331	0	49.24183619
ZNF542P	0	48.81529122
ZSCAN5A	0	48.81529122
ZNF471	0	49.37435657
ZIM2-AS1	0	39.3218312

ZNF547	0	18.81443368
TRAPPC2B	0	18.81443368
ZNF256	0	22.53675013
ZNF135	0	49.02325923
A1BG	0	32.76655636
NKX2-2	0	33.34920238
ADAMTS5	0	35.29214783
LINC00163	0	-37.50605325
ADORA2A	0	-36.52848733
MIR663B	5.7311614	45.18389415
ZEB2-AS1	2.2855476	26.82214414
ZEB2	2.2855476	26.82214414
NELL1	2.7376177	44.35118869
IQSEC1	1.0013006	-42.85482162
THCAT155	1.8630252	28.81180583
H2BP1	5.7842168	36.55420197
PRDM8	6.5823065	29.29881262
CCNI2	9.0621163	-53.87108579
BLCAP	6.5892911	-40.67854303
ZNF304	1.4541979	34.2778481
SOX1-OT	3.7274876	46.69674306
ACOT7	1.9025319	-54.40430029
C9orf50	1.9252238	52.45828666
S100P	3.3103772	-43.21111149
FHL2	0.00E+00	-32.55053327
WT1	2.77E-307	33.22417215
CABP4	1.85E-306	-40.17022024
IRF7	3.67E-306	-44.77721649
LRFN5-DT	5.20E-306	32.07456013
ALX4	2.12E-305	30.80641176
WNT3	2.86E-305	21.39731187
MSC	5.47E-305	38.24808643
LINC01414	1.19E-304	41.18360323
LINC00942	3.17E-303	-40.48798067
MIR124-3	6.73E-303	25.12269406
CHRM2	2.64E-301	49.54746665
IL12A-AS1	1.10E-300	37.87454433
NKAPL	6.21E-300	32.4291208
KCNG1	4.04E-299	42.26975456
UNK	1.99E-298	-36.59454633
LOC107987187	1.01E-297	32.7363339
ZNF418	1.08E-297	40.29963815
CCNP	1.34E-297	-46.7361558
ZFHX4	4.93E-297	35.34416925
LOC107986952	4.93E-297	35.34416925
ZNF350-AS1	5.18E-297	28.81743031
SGK1	6.79E-297	34.2560934
VWC2	9.28E-297	23.34696903
ZNF880	2.94E-296	35.01021711
SNTG1	3.93E-296	31.77595492
PRDM16	5.49E-296	37.05917984
GAL3ST3	1.94E-295	34.54699509
TCF7	1.53E-294	24.52458447
CCDC140	1.96E-292	22.18769999
CFAP44	3.83E-292	25.66504303
PHOX2A	5.10E-292	45.79334402

TNRC6C	1.64E-291	-37.42708112
ZIK1	1.35E-290	43.20020037
SLC22A31	2.90E-290	26.27572067
ZIC4	9.89E-290	32.6249261
TMEM179	4.31E-288	22.40118352
SOX2-OT	5.41E-288	22.82105381
ARHGEF33	2.02E-285	36.02706824
LOC375196	2.02E-285	36.02706824
MIR9-3	7.64E-285	25.38949751
MIR9-3HG	7.64E-285	25.38949751
RXFP3	1.30E-284	27.9128931
LINC01132	4.29E-284	-41.03634375
VAMP5	1.88E-283	36.79339099
SEPTIN9	2.11E-283	41.02899972
STAG3	9.32E-281	25.39759323
GPC2	9.32E-281	25.39759323
MEIS2	3.14E-280	39.09544617
ZNF582-DT	1.35E-278	31.86182541
ZNF582	1.35E-278	31.86182541
FAM184B	4.84E-278	40.10525762
CLMP	1.60E-277	36.28449479
AKR7L	1.91E-277	28.47478224
LINC02587	3.97E-277	26.97645995
KCNN2	1.14E-276	29.93532436
COL25A1-DT	1.35E-276	30.9318532
NPTX1	1.35E-276	31.0210438
ABR	1.70E-276	-39.48840204
GRIA4	1.86E-276	25.55670545
DNM3	3.96E-276	34.44817107
AP3B2	8.87E-276	41.97460944
FGF12-AS2	1.85E-275	49.9147477
HLA-V	4.71E-275	39.71433054
CCDC39	4.81E-275	24.03523265
GRIK3	6.64E-275	21.39463523
PLXNB2	4.44E-274	-26.32414322
TEN1-CDK3	1.12E-273	-33.0412304
ZNF273	2.00E-273	44.00704625
COL26A1	5.75E-273	32.85879389
GATA2	1.10E-272	37.09532251
MDGA1	2.42E-271	38.37831325
VSX1	3.27E-270	33.40597848
FGF3	4.59E-270	18.74917069
COL25A1	8.43E-270	24.14721878
ZNF578	9.88E-268	33.89269406
OTX2	2.00E-267	32.79135925
CD1D	2.39E-267	13.92112923
ADAMTS20	7.06E-266	33.50296416
CIDEA	7.41E-266	30.87525003
TWIST1	1.98E-265	30.93399334
RNVU1-2A	2.94E-265	34.72877085
LOC102724859	1.06E-264	23.10851978
PTGFR	2.31E-264	40.73170792
MIRLET7BHG	4.16E-264	-36.55425073
PDCD6IPP2	1.06E-263	36.88039442
ALX1	1.95E-263	28.15319944
ADAMTS16	3.68E-263	42.68340486

ADAMTS16-DT	3.68E-263	42.68340486
TP73-AS1	5.99E-263	17.84425304
PHOX2B-AS1	3.60E-262	43.35219891
HOXB-AS3	6.50E-262	-38.53361191
NARF	2.65E-261	-44.0675869
CYP26C1	7.52E-261	32.4902739
OLIG3	7.65E-261	27.60891197
OLIG2	1.04E-260	37.49397166
CHRNA4	2.64E-260	39.49759142
DLX6	2.66E-260	28.02982275
LOC105372130	3.83E-260	18.52421154
TCF4	3.83E-260	18.52421154
TFAP2A	4.48E-260	26.67114143
FEZF2	7.06E-260	25.06303749
GATA4	4.34E-259	30.4698063
SHANK2	2.19E-258	27.27691286
LOC105374996	5.76E-257	23.86712685
CYP2W1	6.86E-257	-35.12518765
PDPN	3.28E-256	46.68405738
KCNK12	6.78E-256	21.90741945
LINC00472	6.83E-256	35.77656435
HYAL2	1.00E-255	-25.62217155
ALOX12	1.05E-255	36.43130695
LOC101928416	1.24E-255	30.50785735
SLIT3	1.30E-255	35.27943748
HOXC6	1.41E-255	39.38390932
VAT1L	2.08E-255	14.88231509
ATP10A	2.50E-254	31.41241817
GMDS	9.99E-254	28.97242352
OSR2	1.84E-253	30.31820539
KCNQ1DN	2.48E-253	25.40221193
ACTA1	5.76E-253	29.62342065
ATP4A	8.00E-253	30.96978541
MEF2C	3.02E-250	41.32378289
SRD5A2	4.05E-249	41.03092125
LOC105372558	5.26E-248	31.62003834
NKX2-4	5.26E-248	31.62003834
TSPYL5	6.24E-248	34.52976382
LOC105371332	1.10E-247	23.10452612
ZNF154	2.10E-247	35.79267815
ZNF461	4.71E-247	18.0930107
EML1	1.70E-246	35.39404286
LOC105373656	2.27E-245	41.37805879
ZNF773	3.49E-245	10.40811053
GHSR	7.54E-244	33.43682828
ZNF549	4.63E-243	20.65664666
SLFN12L	5.33E-243	30.82286774
SOX1	4.00E-242	24.7206557
LOC780529	7.27E-242	35.05053661
SFMBT2	5.00E-241	41.21537926
HOXB6	8.84E-241	-47.45781674
IGFBP3	8.95E-240	31.15476766
CNGA3	1.33E-239	35.78411643
ZFP82	1.77E-239	29.68033138
ZNF677	2.47E-239	39.8628464
KCNAB2	3.63E-239	-43.26053584

ZNF132	6.39E-239	16.84282838
MIR10A	8.40E-239	-28.24775614
NPRL2	2.93E-238	-34.05816782
KHDRBS2	1.18E-237	46.60511823
NOVA1-DT	2.27E-237	39.44778498
NOVA1	2.27E-237	39.44778498
CMIP	5.25E-237	-40.78992791
CELF2	6.36E-237	35.26882029
TRPC4	2.38E-236	38.60898019
ADAP1	2.51E-234	-27.56803599
DOC2A	2.70E-234	-36.89137725
LTBP3	3.60E-234	24.38153618
NDRG4	5.57E-234	28.5325795
CNTNAP1	5.73E-234	16.88497023
ZNF568	7.66E-234	26.16251083
ZNF829	7.66E-234	26.16251083
MSI2	1.80E-233	-27.35499816
CACNA1E	9.36E-233	33.0018701
FAT3	7.86E-232	32.7561964
SFTA3	1.07E-231	27.56360944
LINC02861	1.42E-231	-33.61114944
GFAP	1.58E-231	-29.30954377
SFRP2	2.56E-231	29.92500575
ANKRD36BP2	6.39E-231	38.22439301
CARTPT	2.60E-230	39.13620062
LVRN	2.63E-230	35.32598292
MELTF	1.37E-229	-26.77611164
ATXN8OS	4.06E-229	41.85318016
ZNF814	1.79E-228	41.77108388
LOC105370792	2.53E-228	-20.61347148
SPTBN5	2.53E-228	-20.61347148
NPY	4.35E-228	35.39776993
HOTAIR	3.65E-227	31.73074788
TAC1	6.61E-227	26.87838759
TP73	9.64E-227	19.13745122
LINC01210	1.51E-226	31.99040444
EIF4E1B	2.74E-226	15.38274936
SNCB	2.74E-226	15.38274936
MIR4281	2.74E-226	15.38274936
SOX21-AS1	3.04E-226	21.71526479
RAB6C	4.49E-226	20.55860699
IGF2-AS	7.22E-226	23.83958361
SNCA-AS1	1.97E-225	36.88311377
SNCA	1.97E-225	36.88311377
PLEKHH3	3.13E-225	24.81060458
LINC00461	6.44E-225	31.68399408
AQP5	7.92E-224	22.65782599
LOC107984273	1.86E-223	29.31975367
LOC107986395	1.81E-222	14.71631263
RNF212	3.64E-222	-26.70862183
TNFAIP8	7.29E-222	-36.99314266
MAP9	1.51E-221	25.92764418
PTMA	2.81E-221	-19.77209219
CTSW	9.70E-221	-37.46128897
SLCO4C1	1.30E-220	15.90199501
LAMA5	3.66E-219	-38.23246355

RYR2	5.56E-219	29.27035611
COLEC11	1.46E-218	24.85127723
TAFA2	1.76E-218	36.46474555
HCN1	6.90E-218	34.86781283
KCNA4	1.80E-217	35.63046288
ATP4B	2.01E-217	-30.68849542
ZNF43	6.63E-217	24.10007153
ZNF329	9.89E-216	41.35433836
IFT140	4.69E-215	20.70421057
COL4A1	1.72E-214	24.92528378
LTB4R	5.68E-214	20.68038939
CIDEB	5.68E-214	20.68038939
DPY19L2	1.49E-213	11.03300905
SLC6A3	5.90E-213	35.76574763
DPP10	6.07E-213	35.38994411
LOC107985937	6.07E-213	35.38994411
DPP10-AS1	6.07E-213	35.38994411
TFAP2E	6.15E-213	28.09681409
FADS2	1.53E-212	26.62441893
PRKAR1B-AS2	1.71E-212	27.3662331
NKX6-2	3.68E-212	29.23677639
UTF1	2.46E-211	26.85750131
GRIK2	3.39E-211	32.32297086
LOC101929234	7.73E-211	39.34407602
ESPNL	1.18E-210	-27.39720601
SLC45A3	4.43E-210	-21.82879303
PRAC2	4.43E-210	28.70299573
TMTC1	5.38E-210	25.27849997
EBF1	8.36E-210	29.24323564
ZNF347	1.98E-209	19.89987239
PDCD1	3.89E-209	-31.69035
RPL39L	5.01E-209	19.74269074
CHAT	1.54E-208	41.93504453
FGF5	2.40E-208	26.74602412
IGDCC4	2.83E-208	30.73645931
KLF11	4.94E-208	26.63384458
SLFN11	5.47E-208	25.04352821
SOX17	1.63E-207	37.56062406
PCDHGA11	2.02E-207	24.52380393
LHX8	4.96E-207	32.57715528
DNAH10	1.02E-206	-36.02038647
C8orf34	3.38E-206	26.14762354
PCDHGA7	4.92E-205	34.19137433
TBX18	1.16E-204	15.08996671
WT1-AS	1.32E-204	28.31597609
S1PR3	2.70E-204	40.67755198
SPEM1	2.72E-204	-32.0779778
ITGA4	1.50E-203	18.88614529
RBFA	6.28E-203	22.97419048
RBFADN	6.28E-203	22.97419048
ADGRL3	2.35E-202	30.04727497
YBX3P1	5.77E-202	35.02245283
LINC01101	1.11E-201	-32.82311758
TCF24	1.23E-201	31.23888891
RIPPLY2	2.48E-201	26.31554147
ZNF625-ZNF20	1.23E-200	23.34819382

ZNF625	1.23E-200	23.34819382
ZSCAN12P1	2.01E-200	20.49187287
MSLN	6.24E-200	-24.11445282
DYSF	1.10E-199	31.79913147
LOC105374618	3.45E-199	30.39521863
LOC105374616	3.45E-199	30.39521863
C12orf56	4.34E-199	25.28030962
LINC00237	7.42E-199	39.26682043
UNC5C	8.63E-199	22.03486572
GABRG3	2.92E-198	31.35027165
PHF24	3.15E-198	28.83524976
HECW1	3.37E-198	31.66900421
ANKLE1	6.44E-198	24.81199492
RNF220	9.09E-198	40.66402258
GDF6	3.90E-197	28.42679106
LOC105372473	4.18E-197	33.95388658
RAPSN	4.55E-197	-41.93252178
PCDHGA8	1.21E-196	13.94859507
ZNF560	1.89E-196	33.55635468
GALNS	4.59E-196	-24.74996028
LHCGR	6.31E-196	37.92480822
LOC105369759	7.59E-196	20.0170264
RALYL	3.28E-195	33.99800193
LINC02691	4.09E-195	34.12141536
ZNF835	4.65E-195	35.6437028
CYP1B1-AS1	3.23E-194	37.86544758
CYP1B1	3.23E-194	37.86544758
LINC00917	7.19E-194	-34.60709573
SMIM43	4.30E-193	30.05655056
GRM1	4.34E-193	27.96199817
PAUPAR	5.46E-193	25.03044567
DPY19L2P1	1.05E-192	19.22437801
KRT14	1.16E-192	-37.58424622
LINC02110	1.46E-192	22.55893781
GDNF-AS1	1.46E-192	22.55893781
GDNF	1.46E-192	22.55893781
MKX	1.60E-192	38.26710719
ZPBP	2.07E-191	-30.2924263
STK19	3.71E-191	-34.25432091
DXO	3.71E-191	-34.25432091
C6orf58	4.92E-191	23.53559655
SOGA3	4.92E-191	23.53559655
KIAA1217	8.22E-191	27.6982634
PCDH7	2.96E-190	32.23774461
OBSCN	3.43E-190	-20.7425293
LOC105370455	1.83E-188	27.32801701
KAZALD1	2.45E-188	-43.80788218
DEFB135	3.74E-188	-47.78155656
CRACR2B	2.24E-187	-33.33846143
RGMA	9.57E-187	-31.78451678
PTF1A	9.99E-187	25.36282823
SOST	2.24E-186	-34.16347092
HOXC11	3.25E-186	25.92693624
LINC01838	4.50E-186	39.68045113
LOC105372377	4.50E-186	39.68045113
LINC00904	4.50E-186	39.68045113

LINC00354	1.80E-185	26.67115663
TNNT3	2.26E-185	-31.56473511
RBFOX1	2.70E-185	41.06860097
MIR129-2	3.12E-185	25.66478225
CRMP1	4.98E-185	38.32421844
PAQR9-AS1	7.30E-185	15.06342551
PAQR9	7.30E-185	15.06342551
CUX2	1.25E-184	38.84975542
LOC101927646	1.99E-184	-24.43909628
BCAN	1.73E-183	23.12324007
PCDHGB4	5.26E-183	23.13765429
NLRP6	7.64E-183	-33.62483457
SPART	8.10E-183	22.98063685
LOC107986467	9.02E-183	29.00950045
LINC02202	9.02E-183	29.00950045
LOC101928701	1.78E-182	33.58232315
MIR4520-2	3.82E-182	36.26642906
MIR4520-1	3.82E-182	36.26642906
NALF1	7.29E-182	29.25091474
FOXE1	9.56E-182	37.11838497
RSPO3	1.41E-181	19.17873071
LOC105377993	1.41E-181	19.17873071
LOC105377989	1.41E-181	19.17873071
PLK5	2.89E-181	-29.35207529
VIM	3.60E-181	17.32563866
VIM-AS1	3.60E-181	17.32563866
COL4A2	3.84E-181	-35.62890124
ST8SIA5-DT	1.71E-180	37.55511518
ST8SIA5	1.71E-180	37.55511518
TRPC6	2.78E-180	50.83695279
TCAF1	5.22E-180	34.73978627
IRX4-AS1	1.04E-179	22.53498819
IRX4	1.04E-179	22.53498819
LOC105377730	1.94E-179	-28.8070972
TIAM1	2.08E-178	30.5762045
CDH18	2.81E-178	36.973602
LINC02674	3.92E-178	25.05418705
SLC27A6	6.64E-178	14.94223583
TMEM235	9.26E-178	25.85225961
H1-1	1.90E-177	19.34283608
GALNTL6	3.70E-177	29.14821933
ANKS1B	7.86E-177	33.03041363
GRIN2A	1.11E-176	30.41866036
DBX1	1.25E-176	27.23297255
EOMES	1.51E-176	36.87667035
ONECUT1	3.22E-176	34.21936813
CGB5	5.00E-176	-31.51716866
ZKSCAN7-AS1	6.87E-176	25.47179747
NT5C2	9.91E-176	34.5751969
CNTNAP5	1.36E-175	30.11027737
CNTNAP5-DT	1.36E-175	30.11027737
C10orf53	1.41E-175	26.32466226
WDR86	2.55E-175	-30.39390861
ABLIM2	5.22E-175	30.48149757
AFG3L1P	1.99E-174	25.95226294
CENPBD1P	1.99E-174	25.95226294

ZDBF2	2.84E-174	30.76386785
CANT1	2.95E-174	-35.16862795
IZUMO1	7.46E-174	30.59115954
LRBA	1.23E-173	17.97949177
ANKRD11	1.39E-173	-22.35883577
FBF1	1.43E-173	-20.29048407
CEROX1	1.58E-173	12.87160114
PCDHA13	1.85E-173	23.49125617
NTM	2.38E-172	34.53569284
PYDC1	7.68E-172	25.14410962
ZNF280A	1.33E-171	-43.66345884
GATA5	2.53E-171	19.19268906
LINC01097	2.00E-170	28.28441191
GPR26	2.07E-170	35.48067773
ARHGEF1	2.87E-169	-19.72780012
LOC440982	4.14E-169	27.52029548
PDE6B	6.82E-169	-26.1593884
AVPR1A	1.05E-168	27.23917062
NINL	1.10E-168	30.92989186
CNRIP1	1.29E-168	38.72780595
ABCC9	1.33E-168	17.41645249
FLT4	2.10E-168	-34.0703297
FAM83A	4.14E-168	-29.91594987
NRXN1	5.42E-168	23.23213448
UCN	9.94E-168	22.51911241
PAH	1.31E-167	22.35937522
LUZP2	2.30E-166	22.93333018
FLI1	4.39E-166	14.61543586
LOC105375980	4.44E-166	33.17365783
RASAL3	5.96E-166	26.82475095
VASH1	6.16E-166	15.91628574
LOC105370577	6.16E-166	15.91628574
HOXB8	2.40E-165	-19.35665922
TBC1D29P	2.84E-165	-38.42058395
ZNF177	8.89E-165	35.98407899
SCAMP4	1.97E-164	-17.78381507
PM20D1	3.21E-164	30.94890456
MAL	4.32E-164	34.80144297
LRAT	5.90E-164	38.83665213
KCNC2	1.22E-163	37.59066308
ADCY8	3.47E-163	30.86013034
PHOX2B	3.55E-163	28.92169266
LRRC3B	4.88E-163	31.68372865
LRRC3B-AS1	4.88E-163	31.68372865
CLIP4	8.13E-163	37.54748739
LINC01305	1.05E-162	19.1167188
REC8	9.84E-162	24.98277905
BHLHE23	1.70E-161	32.11760797
NOTCH4	2.64E-161	-32.26370837
CCDC8	3.81E-161	27.4969832
APCDD1L-DT	5.45E-161	32.08010084
LIN28A	1.76E-160	31.28648389
RAB37	3.25E-160	30.86980514
KLF17	3.36E-160	-43.28427843
NADK	4.60E-160	-23.06446829
PLEKHG5	4.72E-160	-17.76302168

PIK3R5-DT	5.45E-160	35.33273565
RSPO2	6.46E-160	17.74542989
NPY5R	7.05E-160	15.97930019
RNH1	8.56E-160	23.70604984
TBX20	1.36E-159	26.56131835
HOXC4	1.77E-158	28.72191961
PXDN	2.12E-158	-43.15476115
LTBP4	4.15E-158	-33.49171282
FNDC1	4.64E-158	20.37330168
ITGBL1	1.35E-157	-27.1122658
PABPC3	1.96E-157	29.21011974
KCNA2	3.86E-157	13.27242506
IQCA1	9.88E-157	34.58440472
LOC107986925	2.10E-156	27.24517681
ZNF638	2.75E-156	12.14617731
HSD17B14	3.64E-156	33.41157104
SFT2D3	3.00E-155	-23.52411563
ESR1	5.00E-155	30.07495959
MIR6731	5.14E-155	-35.07753964
CFAP46	8.07E-155	32.8478476
LINC00643	9.03E-155	24.45048183
LINC02440	1.98E-154	31.37680148
ZSCAN18	2.13E-154	20.52910283
C2orf74	2.40E-154	41.13585792
LOC339803	2.40E-154	41.13585792
LINC01475	2.81E-154	28.29160354
NEU4	4.83E-154	-27.60594011
RADIL	6.55E-154	-27.42267029
SYNDIG1	1.17E-153	45.23597344
RIPPLY3	9.09E-153	39.33165844
ZBTB11	2.88E-152	-35.69657989
TLL1	1.17E-151	35.46394202
ZNF98	3.31E-151	24.58060679
CASKIN1	8.39E-151	-20.8515098
KRTCAP3	8.68E-151	-13.96596164
ARFGAP3	9.02E-151	-33.03060696
CHODL	9.93E-151	37.46020761
TGIF1	2.37E-150	-31.37564107
RNF213	6.16E-150	-39.03851482
KDR	1.82E-149	35.55365215
LINC01018	2.14E-149	12.85237927
TEX19	3.72E-149	-32.38835922
S1PR4	3.86E-149	-31.91945184
GNAL	8.70E-149	34.0348534
SLC6A15	8.74E-149	29.93803218
CDC25B	1.67E-148	-20.61054179
FZD10	6.06E-148	30.14613049
MEST	6.75E-148	30.10505887
MESTIT1	6.75E-148	30.10505887
PROX1-AS1	1.34E-147	24.18769122
DPP6	1.71E-147	41.88045696
BCL2L11	5.10E-147	-15.99797483
TPTEP1	5.14E-147	30.13506538
CBLN1	7.99E-147	27.50461939
ZDHHC22	6.56E-146	32.75857051
ARC	8.77E-146	-31.64408531

PIK3CD	1.04E-145	-40.08364597
PERM1	1.16E-145	-25.94083806
EFCAB1	2.43E-145	25.09050052
NR3C1	2.79E-145	22.43673647
CHST8	5.04E-145	16.38965069
C10orf88B	8.40E-145	13.20804867
FAM24B-CUZD	8.40E-145	13.20804867
FAM24B	8.40E-145	13.20804867
SYT3	9.16E-145	25.00442554
MUS81	1.49E-144	-36.8939035
PPFIA2	2.17E-144	18.85320629
REPIN1-AS1	3.00E-144	-13.80593266
SEMA6D	3.46E-144	18.31065567
SHANK1	3.68E-144	-27.84017911
LOC644554	1.07E-143	36.84184359
ZNF573	1.07E-143	36.84184359
LOC105372394	1.07E-143	36.84184359
LINC00334	1.24E-143	-28.59959854
PRDM6	1.60E-143	21.33323597
SRCIN1	2.26E-143	18.95095514
HTR5A	2.69E-143	15.79814458
CFAP161	3.00E-142	29.56802215
UBE2QL1	1.01E-141	14.04679426
SLC6A11	1.03E-141	29.05544598
BARHL2	1.94E-141	20.25874758
TM6SF1	2.71E-141	17.76435381
FOXI2	2.84E-141	49.78058106
ALPL	3.15E-141	-24.84192934
DEAF1	3.59E-141	-20.9400045
EPHA5-AS1	5.87E-141	29.72718161
LOC105376586	6.48E-141	28.4314053
SLC8A1	1.14E-140	27.39506553
ZNF729	1.76E-140	37.51645016
ZNF439	2.67E-140	10.22944651
SLC6A1	3.04E-140	-15.61580059
ZNF876P	3.34E-140	30.20304381
TAFA4	3.82E-140	22.88662277
COASY	8.86E-140	-22.12539337
TRIM71	1.16E-139	16.93156544
LOC100286906	1.41E-139	13.67507649
MYRF	1.55E-139	22.88588847
CGB8	2.32E-139	-29.35833112
FOXI3	1.21E-138	25.93210607
CLP1	2.96E-138	18.16132995
TRPM5	4.22E-138	-22.9273368
LHX2	4.81E-138	24.50965744
BST1	5.13E-138	-10.81550964
LOC388282	7.60E-138	-20.37069798
KIFC3	7.60E-138	-20.37069798
CCDC154	1.73E-137	-28.06602812
LINC02706	2.00E-137	-30.16443157
ISL1	2.19E-137	22.71339053
ZSCAN1	1.08E-136	32.81891165
EFR3A	1.21E-136	-39.053831
GLDC	1.43E-136	11.33926108
FAM237A	1.99E-135	28.72692425

DRAIC	4.20E-135	-16.90445944
CDH2	6.39E-135	16.81526968
ADSS1	3.86E-134	-31.42276423
VSX2	5.43E-134	28.48496022
SLC10A4	6.89E-134	23.60764652
ABCA3	9.95E-134	-21.66835854
F7	1.44E-133	31.00176885
SPART-AS1	1.18E-132	16.82474767
ADGRA1	2.20E-132	13.96950642
ADGRA1-AS1	2.20E-132	13.96950642
IGF2	2.33E-132	24.90556241
STMN2	8.57E-132	28.97564447
CA10	8.96E-132	27.104454
LOC100996662	1.11E-131	27.16588509
WDR17	1.67E-131	15.57606371
LINGO1-AS1	3.25E-131	-35.53660484
C14orf39	5.08E-131	44.58565853
SLC35F2	1.23E-130	22.91774579
MAGI2-AS3	1.24E-130	20.41084534
MAGI2	1.24E-130	20.41084534
JRK	4.19E-130	-19.55169498
CNTN2	4.56E-130	-28.01456991
CA3	5.22E-130	31.30649134
OBSL1	1.08E-129	17.88219159
HYPK	1.72E-129	-26.81900327
ELL3	1.72E-129	-26.81900327
SERINC4	1.72E-129	-26.81900327
C2CD4B	2.02E-129	-18.99985954
LOC112267986	4.01E-129	13.200472
MTERF1	4.01E-129	13.200472
PLPP4	4.80E-129	16.59373347
ABCA1	5.76E-129	35.40640918
NAALAD2	6.70E-129	15.58890749
KRTAP5-5	6.92E-129	-26.09317575
HOXB5	1.53E-128	-20.21631864
PCDHGB6	1.70E-128	28.822053
PCDHB18P	1.97E-128	33.67161078
LINC00485	2.03E-128	36.32225479
LYPLA2P2	2.45E-128	-44.22758923
SLC45A4	3.54E-128	-45.13769753
VWA1	3.57E-128	-31.50938957
GPR156	7.85E-128	30.71019786
MAP3K14-AS1	8.02E-128	32.70149188
DPY19L2P4	1.40E-127	20.49931587
LOC100128398	1.71E-127	21.5303722
HDAC9	1.89E-127	18.61005786
HOXB-AS1	4.04E-127	-13.55935503
PLPPR3	4.28E-127	-32.69895269
LIMCH1	7.47E-127	-41.88867767
PHYHIPL	8.75E-127	20.3926003
DCHS2	1.00E-126	22.63958123
KRT7	1.38E-126	28.00380475
WNT5A	1.55E-126	30.92570496
LOC101927636	2.85E-126	32.57110736
LOC105377460	2.85E-126	32.57110736
GALNT14	2.87E-126	16.44045263

C17orf64	3.01E-126	15.08874154
LOC107985286	6.21E-126	29.486764
ARRDC2	1.14E-125	15.46479069
ELMO1	1.17E-125	11.79241228
ADAM5	2.19E-125	25.97061218
PAX6	3.11E-125	22.86402342
LOC107985038	3.42E-125	24.08651957
LRP8	7.53E-125	11.74528882
SNORA10	1.96E-124	-22.19103893
SNORA64	1.96E-124	-22.19103893
TNK1	2.29E-124	21.22687724
ADRA1A	6.43E-124	32.37319238
ARHGEF39	6.64E-124	21.07257867
DMRT2	1.72E-123	26.08676552
CHRNA5	2.46E-123	-29.94862605
GJD2-DT	3.73E-123	27.78575978
GJD2	3.73E-123	27.78575978
MIR124-1HG	5.13E-123	23.64901511
MIR1193	8.98E-123	-20.21348524
ABCA13	2.22E-122	-14.80831467
KIF25	2.76E-122	-16.78658861
LOC101927851	3.94E-122	18.2845633
OSTM1	6.14E-122	18.52573147
EPHX3	6.51E-122	24.11567079
NMNAT2	7.09E-122	28.82211342
CIITA	2.25E-121	-28.83831006
RFX4	1.02E-120	26.34775325
SAMD11	2.43E-120	-27.01549566
ZNF730	2.76E-120	29.47743428
TSC2	2.97E-120	19.58169636
RXRG	3.65E-120	19.84247758
CIBAR2	4.45E-120	-19.27988894
GAD1	5.33E-120	23.78292073
PRR36	8.19E-120	24.15448742
BACH1	4.20E-119	-33.48510075
PITRM1	5.24E-119	-27.4853132
EFEMP1	6.13E-119	37.55446033
NTRK1	2.07E-118	22.64761998
LOC107986790	3.77E-118	21.71507259
LOC101929534	6.01E-118	15.24351815
LINC00882	6.01E-118	15.24351815
LOC107986021	6.01E-118	15.24351815
LOC105373526	1.30E-117	27.89755013
KRT42P	2.98E-117	-29.93854427
FBN2	4.68E-117	15.75780526
PEG3	5.07E-117	17.36393646
MAFB	9.69E-117	12.29054576
OSMR	1.02E-116	30.07463904
OSMR-DT	1.02E-116	30.07463904
LINC01265	1.02E-116	30.07463904
DAW1	1.13E-116	17.43990831
SPEG	1.62E-116	-32.388085
FFAR1	1.77E-116	-38.14106485
PDE4D	2.23E-116	17.54632509
MARCHF1	2.26E-116	33.11808569
FBRSL1	2.34E-116	-22.44858776

PF4V1	2.64E-116	-25.00934853
SYNGR3	2.70E-116	29.45436683
GPR75-ASB3	2.87E-116	33.66610643
GPR75	2.87E-116	33.66610643
LOC401463	4.61E-116	21.04744774
DZIP1	6.21E-116	20.94190338
PRDM13	1.60E-115	23.94366852
ZNF518B	2.17E-115	23.94364383
GPR83	6.68E-115	23.15316432
RNF126P1	7.86E-115	32.05482824
HS6ST1	9.54E-115	-26.20402178
ALDH3A1	1.02E-114	-18.29935468
RACGAP1	2.94E-114	30.42225265
SRRM4	3.04E-114	24.07000615
SYT1	4.65E-114	15.56722816
CADM2	1.10E-113	10.93657126
EPHX4	1.24E-113	-22.67350069
LIPE	1.94E-113	-33.45788765
KCNA3	2.75E-113	30.5983899
THSD7B	3.76E-113	15.76298365
CCK	4.56E-113	34.00661362
ZNF334	5.73E-113	13.52717391
CCDC180	7.06E-113	28.45718771
PRLHR	8.41E-113	26.85259929
GRK2	1.00E-112	-28.58847704
ANKRD34C-AS	1.30E-112	29.52732789
C8orf34-AS1	1.33E-112	33.19791497
MICU3	1.53E-112	31.42123003
LOC105374344	5.95E-112	25.50547923
DNAH2	9.30E-112	-43.19882938
MARCHF11-DT	1.38E-111	24.17438658
MARCHF11	1.38E-111	24.17438658
GRIA2	1.47E-111	29.3054747
RBFOX3	1.91E-111	17.65489333
TDGF1	1.92E-111	22.57347922
MIR409	2.71E-111	-17.61176397
MIR412	2.71E-111	-17.61176397
MIR369	2.71E-111	-17.61176397
MIR410	2.71E-111	-17.61176397
S1PR1	9.69E-111	12.30029128
S1PR1-DT	9.69E-111	12.30029128
TMEM108	1.15E-110	26.74577378
ZNF282	1.38E-110	-22.10658266
MYF5	1.46E-110	32.60764375
RAB34	1.72E-110	23.84726225
LOC400553	3.67E-110	26.43458485
LOC105375630	3.78E-110	23.54508185
C2orf68	1.72E-109	-17.79925087
LOC105375992	1.87E-109	27.50137508
ELAVL2	1.87E-109	27.50137508
AIRE	2.44E-109	-28.04766389
LTF	2.68E-109	26.08585783
SEMA7A	3.15E-109	27.66718225
ZSWIM2	3.46E-109	13.93081003
LETR1	3.98E-109	24.18722639
LOC105370994	3.98E-109	24.18722639

THBD	4.74E-109	20.01801472
FNDC11	4.89E-109	-20.18626273
TUB	7.88E-109	22.86850109
TBX5	8.89E-109	25.84456893
LINC02788	1.21E-108	20.44046786
LINC02609	1.21E-108	20.44046786
CACNA2D4	1.26E-108	-31.87553366
BARHL1	1.49E-108	13.8195109
NPFFR2	1.94E-108	27.76774275
SATB2-AS1	2.42E-108	17.53439292
TMPRSS6	2.60E-108	-28.27643798
LOC107984568	4.25E-108	21.30912631
DLEU7	4.25E-108	21.30912631
HORMAD2	4.85E-108	20.88010475
HORMAD2-AS1	4.85E-108	20.88010475
GUCA2B	5.67E-108	-31.25020184
AKAP10	6.27E-108	30.66191273
ZNF702P	6.37E-108	20.75737237
MSX1	7.08E-108	26.63262928
ADGRL4	9.93E-108	30.01248039
DDAH2	3.26E-107	18.6039193
ZDHHC11	8.49E-107	-26.00777475
SNTG2	2.65E-106	30.38941449
SNTG2-AS1	2.65E-106	30.38941449
TDH	5.92E-106	29.45002354
GCAWKR	7.29E-106	-24.95596869
LOC283683	8.01E-106	26.93451637
GUCY1A1	9.22E-106	13.21432599
OTOS	1.72E-105	-26.09651152
FAM118A	8.55E-105	-21.2958484
PCDHB4	8.79E-105	28.48177898
ARHGEF4	1.06E-104	27.85614053
ZNF556	1.57E-104	-24.80777004
HOXC13	2.18E-104	24.16293727
ICMT-DT	2.22E-104	-28.20503549
MEF2C-AS1	2.47E-104	35.63255532
RASSF1	2.57E-104	-15.45498983
CHID1	8.16E-104	-23.80099123
AXIN2	8.80E-104	-34.25725058
SPOCK2	8.94E-104	-22.68413553
PRELID3B	1.87E-103	-34.05285819
SLMO2-ATP5E	1.87E-103	-34.05285819
ESRRG	2.31E-103	21.40403539
C10orf88	2.82E-103	12.13531822
TBX5-AS1	3.05E-103	23.11140619
TSPAN4	3.49E-103	-21.6765736
TCP11	4.36E-103	-28.01747599
CCDC144A	5.99E-103	21.67240206
SCARF2	7.47E-103	28.32750133
ST14	8.48E-103	-14.58484557
LINC00484	1.51E-102	-41.72531769
SHOX2	1.53E-102	25.14045104
LINC01579	1.80E-102	-30.20133188
MGMT	2.04E-102	24.82072829
MIR3065	2.15E-102	-20.13423191
AATK	2.15E-102	-20.13423191

MIR657	2.15E-102	-20.13423191
MIR338	2.15E-102	-20.13423191
LIN28B	2.29E-102	22.27159581
LIN28B-AS1	2.29E-102	22.27159581
RGS22	2.52E-102	36.98629527
CRISPLD2	2.68E-102	-24.95180829
NEURL1	3.64E-102	-11.49006299
PRKCZ	4.49E-102	11.26684302
CNTNAP2	5.94E-102	37.83251155
QKI	7.85E-102	24.89348912
PHF21B	8.52E-102	11.72898104
LINC02593	3.07E-101	-22.15951765
HSPB9	4.78E-101	-13.31885953
TPTEP2-CSNK1	5.32E-101	10.1059303
TPTEP2	5.32E-101	10.1059303
OPCML	1.04E-100	29.95016508
MIR10527	1.29E-100	22.48446214
ZNF709	2.73E-100	22.10572523
LOC100129697	2.80E-100	-17.3434975
SERPINB5	4.38E-100	-27.67359621
AUTS2	8.36E-100	21.45760498
LOC105374988	1.06E-99	20.67871039
PCDHB6	1.34E-99	22.95860323
NPPC	1.81E-99	14.4538474
SLIT2	2.75E-99	19.65791971
HRH3	4.18E-99	21.84229572
SPOCK3	7.16E-99	16.64908899
RNF111	8.16E-99	30.52936775
LINC00506	1.69E-98	29.95219363
SLC13A5	2.21E-98	28.00995077
FRMD4A	2.73E-98	22.66481252
CERKL	3.86E-98	29.6753037
NEUROD1	3.86E-98	29.6753037
ACSF3	5.57E-98	24.2671724
CPEB1-AS1	1.38E-97	29.13666215
CPEB1	1.38E-97	29.13666215
CMTM3	1.77E-97	27.0071034
POU4F3	3.70E-97	16.17999018
KIRREL2	4.68E-97	15.43435698
FAM163A	5.22E-97	10.1406823
GABRA5	6.79E-97	28.08204805
EPS8L2	1.42E-96	17.57714307
TSPAN32	1.44E-96	-29.78942309
C11orf21	1.44E-96	-29.78942309
C1QL2	1.77E-96	26.17262601
NKX2-8	1.85E-96	22.83781691
KCNC4	3.85E-96	14.82003444
MEI4	4.42E-96	29.26890241
COLEC12	5.59E-96	23.1871331
PTPN20	7.98E-96	20.45774972
SERTM1	9.89E-96	19.71870502
EMX2	2.76E-95	24.28594987
LOC101928188	8.09E-95	-19.87276904
WNT3A	8.55E-95	21.09271891
ECEL1P2	4.70E-94	34.28940191
LOC102723313	6.17E-94	19.90932236

NGFR-AS1	7.16E-94	-26.54273958
LOC112267871	8.42E-94	20.26521823
LOC101927759	8.88E-94	23.54492737
ATAD3C	1.30E-93	-26.61404422
SKOR2	1.52E-93	22.58824688
MAFA-AS1	2.64E-93	-35.4316503
SYCP2L	3.90E-93	20.05607109
BAIAP3	5.59E-93	-25.21396081
SPEM2	5.88E-93	-24.71933995
TMEM105	7.95E-93	-22.69536807
MPPED2	1.43E-92	23.71795577
CPT1A	1.65E-92	-28.095713
MIR124-2HG	1.67E-92	28.30615971
MMP16	2.32E-92	23.17583076
ST8SIA2	2.97E-92	15.35291194
PDE4C	3.15E-92	17.35357019
LAIR1	4.07E-92	-18.39392143
BARX1	5.05E-92	25.21013049
GUCY1B1	5.58E-92	28.29849386
HAGLR	9.22E-92	14.49629077
TMEM129	1.10E-91	-18.26073676
LIMS2	1.85E-91	-24.43105706
EDIL3-DT	4.41E-91	17.36047339
NKAIN4	6.23E-91	19.96107918
TH	7.28E-91	-24.04724642
CRYAB	7.66E-91	25.15486147
CYTH1	1.42E-90	19.37553926
RIMBP2	1.64E-90	-15.70392567
PBX1	1.72E-90	16.32600433
DPY19L1P1	2.41E-90	19.71188861
CRACDL	4.61E-90	30.47188167
HGS	5.44E-90	-21.36389463
FAM234A	1.93E-89	-14.76045454
ARHGDIG	1.93E-89	-14.76045454
NR5A2	2.27E-89	17.97892808
KRT73-AS1	3.47E-89	22.402934
KRT72	3.47E-89	22.402934
TMEFF2	3.76E-89	27.29660327
ALG1L	5.95E-89	-13.27194553
RESP18	9.83E-89	29.23809524
CCDC88B	1.35E-88	-12.92313375
ASCC1	1.65E-88	-38.97234814
BOLA3	1.91E-88	31.88055033
EYA4	2.13E-88	45.88632121
IQANK1	2.64E-88	-26.07098069
FAM83H	2.64E-88	-26.07098069
LIFR-AS1	2.76E-88	14.49273825
LIFR	2.76E-88	14.49273825
DUS1L	3.26E-88	-20.02224929
PCDHA11	5.58E-88	13.53463525
B4GALNT1	5.61E-88	16.60872221
CDRT15P3	6.14E-88	14.46922354
PAK6	7.32E-88	-27.64389736
KCNIP2	8.35E-88	29.04931682
WTIP	8.63E-88	12.76413516
RAD52	1.30E-87	17.40950228

FGD5P1	1.32E-87	22.31087218
LAMC2	2.22E-87	-20.45100347
TAFA5	4.17E-87	-15.36621299
MIR656	7.05E-87	-16.1030955
EHD3	1.12E-86	12.53840114
CAPN14	1.12E-86	12.53840114
MIR378B	1.34E-86	-27.66664561
ZNF586	1.39E-86	16.12373708
DGKG	2.40E-86	16.32561462
ZNF454	4.44E-86	33.62822383
PAX6-AS1	5.32E-86	14.46176235
RCN1	5.32E-86	14.46176235
LOC105369568	6.20E-86	10.8158967
LOC101929538	6.20E-86	10.8158967
NEBL	8.29E-86	-25.88870173
C1orf109	9.06E-86	-19.3986201
MIR34C	1.63E-85	12.26707791
BTG4	1.63E-85	12.26707791
C16orf92	1.66E-85	-31.77545252
FBXL15	1.70E-85	21.42769089
PSD	1.70E-85	21.42769089
STX1A	2.35E-85	-25.56206109
TBX10	2.68E-85	-15.28830199
LCN10	3.04E-85	-21.40671612
LCN6	3.04E-85	-21.40671612
ATP2B2	5.22E-85	-31.77979917
H2BP2	5.57E-85	11.57136007
H3-2	5.57E-85	11.57136007
XKR4	7.72E-85	23.88528202
AHRR	7.94E-85	21.14961952
ABCA7	1.11E-84	-28.07419513
IL34	1.13E-84	-21.56236555
BMP4	1.53E-84	-12.30705936
PXDC1	1.57E-84	26.41375066
LOC650226	2.17E-84	21.8820147
KRT23	2.20E-84	-27.12433381
GIPC2	2.40E-84	-13.43624083
PAPLN	2.78E-84	-13.96495077
POU5F1	3.54E-84	12.69461776
MIR9-1HG	5.63E-84	14.18404216
MIR9-1	5.63E-84	14.18404216
LINC02774	6.41E-84	19.89668683
TASOR	1.71E-83	-22.47461891
COL20A1	1.76E-83	-23.18424891
RSPH6A	2.45E-83	19.16296333
B4GALT7	2.95E-83	-27.4817423
ZFAND2A-DT	3.40E-83	-10.00556858
GPR146	4.70E-83	-18.27955214
ARHGEF7-AS2	6.27E-83	11.57165634
ZFP28	6.61E-83	19.63959544
ZFP28-DT	6.61E-83	19.63959544
UNCX	6.93E-83	25.56113581
MIR3185	1.54E-82	17.06979695
MTURN	2.43E-82	27.58150758
MMP21	2.95E-82	-16.93425459
NTNG1	4.05E-82	15.02332019

MDFI	4.10E-82	-14.09077964
MIR377	6.38E-82	-26.08741038
CSMD1	7.81E-82	23.00666643
PCMT1	7.81E-82	-29.19725177
MECOM	9.23E-82	-17.4025936
PALM2AKAP2	9.47E-82	15.88201511
RNF157-AS1	1.33E-81	-23.99436914
MIR662	1.49E-81	-22.26663019
LOC110091776	1.56E-81	29.05849373
DMRT3	2.02E-81	25.77652371
PHF14	2.42E-81	-29.59777592
MIR3650	2.59E-81	17.40461815
PICSAR	4.15E-81	-24.34890633
MSI1	4.75E-81	20.99001487
LHX3	6.38E-81	14.35150275
KCNQ5-DT	1.64E-80	16.58998137
BDNF	2.28E-80	25.92035956
FAM83C	2.38E-80	-27.42246375
SNRPF	3.23E-80	33.14010389
LINC01412	3.75E-80	15.36513009
FLNC	4.31E-80	-22.40803154
AFF3	7.52E-80	-33.10788538
RBP1	1.01E-79	-18.3635201
PALM	1.14E-79	-35.36997583
MUC6	1.37E-79	-17.49500419
PCBP3	1.99E-79	32.20292055
EGFLAM	2.39E-79	12.76320864
SLC35E2B	2.48E-79	-12.5672389
CCDC169	2.89E-79	18.31249551
NOTUM	3.19E-79	-19.51305062
ACVR1C	3.59E-79	29.18959592
LINC02106	4.31E-79	13.67124297
BAIAP2	5.76E-79	-23.23685536
TERT	7.18E-79	16.59970391
ZNF808	9.29E-79	26.66299357
PDYN	9.51E-79	-18.84228476
ANKRD30BL	1.70E-78	-19.4112468
CMTM5	2.14E-78	-24.86666038
CIBAR1	2.26E-78	-31.81486866
CIBAR1-DT	2.26E-78	-31.81486866
C7orf50	2.28E-78	15.51235874
GATM	6.17E-78	22.63719617
CALR4P	7.00E-78	-18.78439449
PABPN1L	8.39E-78	-20.37355778
CYP7B1	9.12E-78	28.19604351
CXCL12	1.03E-77	29.035956
FAM163B	1.50E-77	17.29528994
TMEM233	2.17E-77	20.88755531
STOX2	2.70E-77	-25.11056272
MIR483	3.38E-77	-21.27947434
NXN	3.63E-77	-26.45871521
ZFHX4-AS1	5.54E-77	21.25987879
LONRF2	1.14E-76	18.5812154
TRIM67	1.38E-76	20.40079777
PLXNC1	1.49E-76	13.9932379
HLA-F	2.70E-76	-18.79049345

ZIC5	3.27E-76	19.28440926
KRBOX1	4.29E-76	16.96876724
NXPH1	4.43E-76	32.07899278
WNT9B	5.89E-76	20.76791034
SKI	7.91E-76	-18.58146015
PTH1R	8.48E-76	12.0314429
MYL3	8.48E-76	12.0314429
MIR1185-2	1.07E-75	-19.75131229
MIR381HG	1.07E-75	-19.75131229
DYNLT5	1.12E-75	17.66902984
LINC01356	1.94E-75	-21.23196305
INSRR	1.98E-75	17.95986045
EHMT1	2.04E-75	-18.95828844
LOC651337	2.04E-75	-18.95828844
LINC02882	2.75E-75	-14.66705621
MBP	2.79E-75	-21.28850299
ANKRD33	3.09E-75	-17.83224886
ZNF667-AS1	3.34E-75	28.9453989
ZNF667	3.34E-75	28.9453989
JPH3	5.86E-75	12.60150419
PRKAG2	6.99E-75	16.19963606
CA9	8.13E-75	16.03673469
RECQL4	1.05E-74	-14.99346468
KRTAP12-1	1.47E-74	-24.71390763
GABRD	1.79E-74	-11.1498383
KIF16B	1.83E-74	-29.16740007
COL18A1	2.10E-74	-11.65871449
CCDC178	2.14E-74	29.11534037
FRY	3.69E-74	-29.9276825
EEF1DP3	3.69E-74	-29.9276825
OSBPL5	5.13E-74	-16.65736806
LRRC37A6P	5.64E-74	-24.10278968
AFDN-DT	7.68E-74	-17.42162268
ZNF805	1.14E-73	23.3919412
TMEM26	1.36E-73	22.43604589
TNNI2	1.38E-73	-13.09941856
EFEMP2	2.18E-73	-26.8981623
ATP6V1C2	3.29E-73	-15.11262312
LINC01726	4.21E-73	29.67604862
PIGQ	4.73E-73	-17.3104603
LINC02696	5.80E-73	14.21975074
CNPY4	6.79E-73	-33.62615128
LINC02470	8.02E-73	-16.72056322
NRADDP	1.26E-72	27.09019796
SCN4B	1.27E-72	-28.62181894
PDGFA	1.87E-72	15.64904976
PTX4	2.26E-72	-19.89989776
DPPA3	3.51E-72	-23.38494745
SLC16A12	3.67E-72	-23.417186
TRPV3	4.34E-72	-26.23300694
LOC105372383	4.87E-72	32.20989609
ZC3HAV1L	1.06E-71	-14.04883344
CYP4V2	1.15E-71	-18.77227893
PTCHD3	1.30E-71	-17.89165804
FOXL2NB	1.42E-71	13.17919826
LINC02610	1.90E-71	20.26239224

TIMM13	2.21E-71	-13.38214739
ST8SIA3	2.28E-71	38.79020091
XKR8	2.34E-71	-17.25450953
RAB31	2.48E-71	24.59912993
GABBR2	2.53E-71	15.31029889
DRGX	2.66E-71	23.71644977
TRIM31	2.72E-71	-28.7679355
CCDC169-SOHI	3.06E-71	15.56762566
PCSK2	3.79E-71	22.0566226
GSX1	3.86E-71	30.74638497
FRMD1	4.30E-71	-17.16356045
PCDHGB3	6.60E-71	21.5635357
CHST5	6.69E-71	-26.0968804
ANK1	7.65E-71	-23.89124445
PCDHA10	8.65E-71	17.58991799
WNT6	1.15E-70	23.59531859
MIR4435-2HG	1.49E-70	-12.04773062
PDE1C	1.53E-70	19.00122436
C2orf27A	1.94E-70	28.87760614
IL1RN	2.11E-70	-23.81834905
LBH	3.03E-70	31.28375366
EBF3	3.16E-70	15.18174243
FAIM2	3.36E-70	18.7268775
CCDC162P	3.84E-70	-28.32399197
TBC1D14	4.28E-70	-18.54756759
AGAP1	4.40E-70	24.97504263
PON3	6.27E-70	-10.87561834
MYO1C	7.36E-70	-19.29164465
ERN2	8.03E-70	-18.6485341
ZNF512	8.08E-70	16.37394689
PTPRD	1.02E-69	27.2824622
ODAD2	1.58E-69	26.14589401
ZFAND2A	1.95E-69	-26.17680411
MIER2	2.00E-69	14.78250048
DAO	2.08E-69	-24.02530494
DMRT1	4.97E-69	23.51801139
DBN1	5.01E-69	-17.10150236
LINC00092	5.13E-69	14.95807852
LOC105376159	5.13E-69	14.95807852
MIMT1	7.11E-69	16.05849507
ZIM2	7.11E-69	16.05849507
TNNI3	7.37E-69	22.25260473
LOC105375879	8.03E-69	27.89973984
PTPRG-AS1	1.19E-68	28.27390197
LHX1	1.45E-68	13.87572642
LHX1-DT	1.45E-68	13.87572642
XRCC3	1.53E-68	-21.80671161
TMEM132B	1.76E-68	15.02476578
SNAP25	1.91E-68	12.61370589
TRIB2	2.84E-68	10.95440547
FAM20B	3.02E-68	-14.82491612
AKR1E2	3.53E-68	-18.52538897
ADAT3	3.62E-68	-14.05080537
FBXL16	4.15E-68	12.59839731
ZNF287	4.40E-68	11.9759057
LINC01558	4.54E-68	-14.51424057

ACTN2	5.07E-68	30.7361927
BRCA1	8.59E-68	-14.73990659
FBXO44	1.66E-67	26.01994532
FBXO2	1.66E-67	26.01994532
FZD5	2.31E-67	21.9596795
NKX6-1	2.94E-67	12.64666505
MIR8083	3.46E-67	-17.12565817
TACR3	3.66E-67	22.17349306
ARHGAP25	5.24E-67	14.28712003
JAM3	6.29E-67	15.03835444
COL4A2-AS1	1.05E-66	-16.03603023
NPPA	1.16E-66	-23.43477173
CDK5R1	1.40E-66	-20.54160257
SNAP91	2.01E-66	19.47406705
MAN2B1	3.60E-66	-14.49589634
TTC6	3.76E-66	17.00562476
GRHL3-AS1	4.25E-66	-19.07261626
CLDN5	4.58E-66	18.46179607
PRDM8-AS1	4.68E-66	11.40239824
RIMS1	5.00E-66	26.50677173
ITGB1BP1	5.08E-66	-26.53470677
FAM43B	6.32E-66	30.34454761
INA	6.97E-66	18.35509063
ASB1	8.62E-66	-15.61351471
PLD5	1.41E-65	16.286663
TBC1D27P	1.65E-65	-22.03748519
HAS1	1.79E-65	24.91899939
CTNND2	2.52E-65	21.36354122
PLVAP	3.85E-65	-20.9793489
MIR1276	6.04E-65	-11.23807314
KCNAB1	6.11E-65	14.62754268
ZAP70	6.78E-65	-15.53650422
SOX14	8.96E-65	27.67340864
CNMD	1.93E-64	19.96629697
ZNF295-AS1	2.73E-64	-26.7769233
LOC107985502	2.73E-64	-26.7769233
MOS	2.95E-64	32.77725649
CLCNKA	3.07E-64	-24.33527965
HSPB7	3.07E-64	-24.33527965
PSCA	3.79E-64	-19.57431638
RPH3AL	4.63E-64	16.12819619
NLRP2	4.84E-64	-21.68105001
PIWIL1	5.19E-64	-15.836888
PRELID2	5.93E-64	-16.32387149
BEND5	6.90E-64	23.22288035
GRK6P1	6.91E-64	13.66017149
C1QTNF8	8.17E-64	-21.33358123
PDE3B	9.65E-64	-17.51027745
BASP1	1.14E-63	10.95853474
BASP1-AS1	1.14E-63	10.95853474
HHIP	2.08E-63	23.20372898
MOK	2.25E-63	-17.94203197
EHBP1-AS1	2.34E-63	15.86627192
MNX1-AS2	2.93E-63	21.56605091
MIR192	3.06E-63	-13.19475594
MIR194-2	3.06E-63	-13.19475594

PRAC1	3.34E-63	20.39121161
PLEKHA2	3.37E-63	16.79906325
TRIM29	3.64E-63	-20.14078596
CDX1	5.30E-63	-10.5452714
CFAP251	5.83E-63	-24.4557696
ITPKA	6.12E-63	22.12299045
SCNN1A	6.95E-63	-24.55914129
CD7	7.47E-63	-20.20291159
GNA15	1.13E-62	-14.00962571
TMED11P	1.42E-62	-22.42014822
B4GALT3	1.67E-62	-15.38885539
KRTAP12-3	3.22E-62	-20.24096431
IRX6	3.48E-62	11.12917569
SPSB4	3.78E-62	15.48499608
DLX3	4.18E-62	25.93046916
MIR4297	4.91E-62	-18.17344652
PRSS30P	5.23E-62	11.30495214
SYT14	6.11E-62	25.99800664
NGFR	8.62E-62	11.80070077
PBX4	1.05E-61	-16.16315544
BRSK1	1.59E-61	-16.84061859
CCDC78	1.84E-61	-17.79355787
CACNG2-DT	2.16E-61	20.13693417
CCDC116	2.39E-61	-21.70224691
ELFN1-AS1	3.25E-61	-27.17299447
LYST	3.38E-61	-29.84834151
SLC6A6	4.70E-61	-24.68222391
AANAT	5.86E-61	-22.26710506
LOC392232	5.95E-61	15.09284688
RASIP1	6.81E-61	-17.88613142
CACNA1H	7.42E-61	-18.3568183
PREX2	8.03E-61	15.62034048
CPN2	8.91E-61	-14.39502265
EML2-AS1	1.28E-60	-23.75233216
EML2	1.28E-60	-23.75233216
NAALADL1	1.56E-60	17.79648658
UQCRQ	1.84E-60	-27.58503788
MSH4	2.18E-60	-12.97132317
LINC01381	2.67E-60	20.40442267
PAPOLB	3.06E-60	19.71334706
SHCBP1L	3.67E-60	19.45112153
ZNF148	3.70E-60	22.97850034
EREG	3.72E-60	26.21179767
GPRC5D-AS1	3.81E-60	-34.36692913
MORC2-AS1	4.32E-60	11.29703701
LINC01266	5.26E-60	15.8792585
DOC2GP	5.48E-60	16.38076341
AGAP3	7.74E-60	-17.51227344
CD81	1.10E-59	-18.76858956
RTEL1	1.17E-59	-20.30528799
FMNL1-AS1	1.18E-59	-16.45155719
LINC01586	1.27E-59	12.28118407
CALCRL-AS1	1.27E-59	-12.68068759
KATNBL1P6	1.53E-59	-13.2062755
CGB7	1.72E-59	10.58091874
LINC00311	1.83E-59	-18.88093659

NEUROD2	1.91E-59	11.33519073
MIR572	1.98E-59	19.11057892
RYR3-DT	1.98E-59	19.05667551
CLCNKB	2.97E-59	-21.10704607
MAST1	5.47E-59	-20.17375577
TRIP6	6.03E-59	-18.6740131
FBXL7	8.40E-59	12.78093727
MYH14	1.47E-58	-17.67470964
PCDHB2	1.50E-58	20.71420713
AFAP1L2	1.61E-58	-11.49120089
MATK	1.64E-58	12.4849294
GP6	2.30E-58	-17.07398776
SGCA	2.49E-58	-19.53841769
H1-9P	2.49E-58	-19.53841769
CACNG7	2.94E-58	-18.15070107
TRIT1	3.81E-58	-27.8924953
RLBP1	4.55E-58	-27.87717416
PRICKLE1	4.63E-58	10.27639868
PP12613	5.53E-58	25.84373832
RASL10B	5.63E-58	-14.7098789
PCDHGA4	5.74E-58	18.76912638
MIR541	6.67E-58	-15.64963972
LOC101929373	7.72E-58	23.66864969
RAB4A	8.99E-58	-17.63923652
SLC25A34	9.14E-58	-14.78884085
CPZ	9.36E-58	-14.34448209
ACSF2	9.39E-58	20.62112564
CHAD	9.39E-58	20.62112564
TBCD	1.04E-57	-16.73588089
DGKZ	1.06E-57	18.45255721
RBMS3	1.11E-57	17.40493927
PCDHB8	1.26E-57	-17.81215274
TSPAN14-AS1	1.50E-57	-12.45023677
C17orf75	1.81E-57	-23.24207507
RPL13	2.40E-57	-14.69390879
C1QB	2.58E-57	-22.43233958
MIR4664	2.96E-57	-11.19689528
OTX2-AS1	3.09E-57	21.93854317
RNF39	3.18E-57	-18.70103699
ZFYVE21	3.49E-57	12.76630265
TTC23L	3.54E-57	14.11774098
ZNF518A	4.59E-57	-19.7713907
PCDHGA9	4.98E-57	19.90914521
B3GAT2	7.34E-57	22.87963573
TAS1R1	7.58E-57	-17.29503581
NOL9	7.58E-57	-17.29503581
LOC100996664	9.21E-57	-15.34668998
APLP1	9.23E-57	10.84783577
LOC107985317	9.23E-57	10.84783577
LFNG	1.14E-56	-16.35837563
ZNF354C	2.21E-56	17.29619049
ADAMTS19	3.10E-56	26.38960882
ZBTB8A	5.25E-56	17.33250077
ZBTB8B	5.25E-56	17.33250077
SDHAP3	5.52E-56	-11.1918726
CBLN2	6.54E-56	19.58779581

RCN3	7.40E-56	33.65357282
MIR3189	7.61E-56	-19.29245648
GDF15	7.61E-56	-19.29245648
PRSS23	7.91E-56	-19.09202262
C8orf48	7.98E-56	21.54836778
MIR365A	8.16E-56	18.64717557
CPLX1	9.00E-56	-19.01068819
H4C13	9.60E-56	-15.04393491
PRSS57	9.97E-56	-20.59136953
LOC649352	1.06E-55	-18.66663518
GFPT1	1.10E-55	-25.69326617
CYBC1	1.27E-55	20.68101676
GRM3	1.51E-55	21.27177041
WNK4	2.68E-55	17.0401137
STK24	2.85E-55	-21.38370947
SLC4A10	2.86E-55	13.7566145
PHACTR1	3.15E-55	21.07464789
SDC2	6.13E-55	11.50931685
DHX40	6.37E-55	14.72282318
ADGRG3	6.62E-55	-22.45135557
GPR17	8.04E-55	-20.09517115
SBF1	9.66E-55	-14.09305928
INSC	1.09E-54	18.30215154
VAV3-AS1	1.13E-54	14.34569112
SLC25A51P4	1.44E-54	20.99501109
PCDHGA12	1.66E-54	25.57213773
SPRNP1	1.73E-54	15.36516478
SNORD115-39	1.79E-54	-20.71901359
NODAL	1.86E-54	-15.13294567
EDIL3	1.89E-54	10.31753216
JAKMIP3	1.99E-54	10.9106686
CAMSAP1	2.60E-54	21.4204082
LOC105374901	3.17E-54	-26.05195317
PYGM	3.78E-54	-17.21952542
HOXD3	4.50E-54	-13.34427563
DNAJC27-AS1	4.66E-54	-25.09443177
CADPS	4.99E-54	-13.52510986
SYNE1	7.24E-54	11.43516805
CRABP1	8.15E-54	14.26427044
DPYS	1.06E-53	13.86247172
ARPIN-AP3S2	1.24E-53	-16.34617401
ARPIN	1.24E-53	-16.34617401
MYOZ3	1.34E-53	-24.501961
SPATA13	1.93E-53	11.6453148
SH3BP2	2.08E-53	-17.92937148
KDM4C	2.17E-53	-17.9750837
ARHGAP27	2.45E-53	-23.53510874
KCNT2	2.66E-53	20.35977939
NHP2	2.82E-53	-17.50550767
TCF23	3.23E-53	-19.38860237
ADGRG1	3.33E-53	-12.5942976
ADAMTS10	3.90E-53	19.18694115
FSCN2	4.34E-53	-10.01467821
NCAN	4.67E-53	33.45838099
ZNF200	4.79E-53	-23.71993849
SLC7A9	4.91E-53	-29.15385859

PLEKHG4B	5.08E-53	-15.69951311
DEFB123	6.13E-53	-29.98215029
SNORA71E	6.68E-53	-22.72804766
SNHG11	6.68E-53	-22.72804766
PARVG	7.23E-53	-19.60237688
CLVS1	8.39E-53	16.20521259
FOXF2	9.30E-53	14.80182806
KCNH3	9.92E-53	16.65807851
MEOX2	1.56E-52	25.97758756
DMGDH	1.67E-52	16.23299963
QPCT	2.48E-52	-21.4869469
FN3K	2.89E-52	-11.44219259
MIR193B	2.95E-52	18.19708844
GNAS	3.12E-52	-14.21008835
MEIS1-AS3	3.37E-52	12.30378764
CR1	3.37E-52	16.79990495
MIR432	3.90E-52	-13.61152238
MIR136	3.90E-52	-13.61152238
LY6D	3.91E-52	-17.55121852
LOC101928047	6.62E-52	-15.53497097
LOC157273	9.34E-52	-20.19404236
ATP2A1-AS1	1.35E-51	11.22562458
RWDD2B	1.54E-51	-14.9584221
GALNT9	1.66E-51	-12.86685287
COL18A1-AS1	3.08E-51	-13.10782492
SYT9	3.27E-51	15.90697689
UPK1A	3.65E-51	-21.39807824
LOC102725048	4.85E-51	-20.33868669
LOC102724220	4.85E-51	-20.33868669
CAPN12	5.55E-51	-23.96662474
SBNO2	5.66E-51	10.50680448
AGTR1	5.84E-51	11.4312046
SLC49A3	6.06E-51	-13.89303278
CROCC	8.62E-51	12.047593
FOXP1	1.00E-50	25.81828347
EIF4E3	1.00E-50	25.81828347
RPL3	1.17E-50	-20.73218483
STAB1	1.20E-50	-17.09530859
A2M-AS1	1.24E-50	-19.69769943
LINC00612	1.24E-50	-19.69769943
LINC01580	1.28E-50	-14.91718843
MGRN1	1.52E-50	-16.98447667
BCAR1	1.63E-50	-21.92318662
ZPBP2	1.68E-50	33.78673252
PRDM14	1.88E-50	22.34183945
APOBEC3A	2.10E-50	-21.83809026
LOC107984375	2.93E-50	23.09357266
CHFR-DT	3.19E-50	12.00341797
GALNT6	3.38E-50	-17.85334298
CTBP1	3.98E-50	-17.17086835
LOC102723672	4.01E-50	19.78566971
PROM2	4.73E-50	-15.91449839
DOT1L	5.16E-50	18.99857114
TACC2	7.16E-50	21.31788812
CIT	8.27E-50	15.47468651
LRRK2	1.09E-49	12.66997728

LRRK2-DT	1.09E-49	12.66997728
DCC	1.20E-49	15.41984158
SET	1.25E-49	-14.50242464
STX1B	1.82E-49	14.47363031
FAM102A	3.04E-49	-15.89419159
GCSAML	3.18E-49	16.42266058
KIF1A	3.25E-49	18.52367524
CCDC40	4.09E-49	-10.76924226
BTBD6	4.25E-49	-11.47919803
BRF1	4.25E-49	-11.47919803
POFUT2	4.29E-49	15.65349635
ESRP2	4.41E-49	-11.86419055
MAEL	4.52E-49	-15.63417663
CNTN1	4.79E-49	15.29631344
MEG8	5.14E-49	-23.0254653
DPPA5	6.24E-49	-17.80804736
SLC22A18AS	6.26E-49	-15.31267368
PPP1R16B	7.24E-49	18.85760552
DM1-AS	8.72E-49	10.25155336
F11-AS1	1.00E-48	-10.36876572
MTNR1A	1.00E-48	-10.36876572
ELAVL4	1.01E-48	-17.64153021
ZNF569	1.06E-48	17.67064271
SLC34A1	1.17E-48	-24.06997384
ADGRD1	1.52E-48	12.19712896
CMTM2	1.55E-48	10.32574031
ZNF813	1.85E-48	11.4047721
LINC00391	1.92E-48	27.26991965
CHAC1	2.00E-48	-19.77530831
LGALS8	2.60E-48	-13.75194884
DPYSL4	2.87E-48	-14.89637129
RNF207	3.03E-48	-26.54338255
MIR596	3.55E-48	-18.38397622
FBXL21P	4.07E-48	12.11757481
LINC01624	4.53E-48	10.88432755
ZNF793	4.77E-48	22.42470761
ZNF793-AS1	4.77E-48	22.42470761
PDE6B-AS1	5.42E-48	-18.68159824
ENDOV	6.32E-48	-18.22226854
CACNA1C	6.77E-48	-22.37908462
SLC12A7	6.79E-48	-18.38749941
PTHLH	6.87E-48	14.13446961
PDE9A	7.06E-48	-13.72007979
FAM169A	7.30E-48	-23.69530444
AMZ1	7.64E-48	-22.00008773
POU2AF1	7.83E-48	18.27974334
PER3	9.30E-48	14.37568674
LINC02182	1.20E-47	15.20184481
TALDO1	1.29E-47	-21.87104863
CDHR5	1.29E-47	-12.89274537
CFAP100	1.41E-47	21.08230842
ZNF804B	1.60E-47	19.52266453
TBR1	1.61E-47	18.0641841
HOXA11-AS	1.70E-47	11.00466871
HOXA11	1.70E-47	11.00466871
HTR6	1.79E-47	-17.50122521

NOM1	1.99E-47	10.70021111
B3GAT1	2.02E-47	-10.12380374
PGR	2.20E-47	18.27383951
NECTIN4	2.87E-47	-16.01219014
GABRB3	3.42E-47	-21.99772907
PDX1	3.68E-47	24.33642671
PPP1CC	3.80E-47	-21.50695109
NAA60	4.01E-47	17.27927855
ZNF597	4.01E-47	17.27927855
NECAB1	4.03E-47	26.38457554
LOC105375633	4.03E-47	26.38457554
HOXD9	4.35E-47	-12.92507979
ABHD10	4.63E-47	-14.60437115
MICAL3	4.67E-47	-22.554542
MIR646HG	4.88E-47	20.78575955
LOC729296	4.88E-47	20.78575955
SLC12A4	4.89E-47	10.42993339
C1orf159	5.40E-47	-13.1870818
IFFO1	5.44E-47	18.85358612
SPPL2C	6.51E-47	-16.10993045
MAPT-AS1	6.51E-47	-16.10993045
PITPNM1	6.75E-47	-13.87244432
DAB2IP	6.99E-47	18.00921413
TPM4	8.15E-47	-10.94852769
LDLRAD4	8.19E-47	19.31301842
SLC11A1	8.21E-47	-12.59217714
PTP4A1	8.28E-47	-23.40377935
SPATA41	8.72E-47	-14.41024851
HPCAL1	9.21E-47	-19.21685766
CSPG5	9.87E-47	16.5876456
RIMKLB	9.99E-47	-23.61997777
BRINP1	1.50E-46	16.7389969
HOXA-AS2	1.59E-46	-12.65497852
LRRC34	1.62E-46	-17.65819698
ITIH5	1.80E-46	-18.55567451
SLC2A7	1.97E-46	-23.11112622
PKD2L2	2.00E-46	22.21841675
PKD2L2-DT	2.00E-46	22.21841675
LOC403312	2.09E-46	27.96988499
KRT78	2.31E-46	-19.4921166
FXYD6-FXYD2	2.40E-46	-19.72052542
FXYD6	2.40E-46	-19.72052542
LINC00523	2.68E-46	-18.72795969
SIGIRR	2.70E-46	-13.46803006
GLB1L	2.88E-46	-16.22354467
TRIM41	3.23E-46	-11.15492088
LINC01377	4.00E-46	-13.60121666
ENTPD8	4.02E-46	-14.78141251
C9orf129	4.08E-46	21.72277833
DCUN1D2	5.72E-46	-14.41245898
PHAX	6.01E-46	-20.62073798
RNF222	6.61E-46	-19.31659223
EGFL8	8.64E-46	-10.35878515
ANKRD65	9.27E-46	-14.73405671
BAIAP2L2	1.02E-45	-15.1716558
FAM240C	1.19E-45	-10.0268456

LOC105375131	1.27E-45	-18.12264329
MIR379	1.42E-45	-19.78220574
ANKRD7	1.43E-45	10.39167527
PAEP	1.44E-45	-24.66570777
YBX2	1.48E-45	-10.8114586
FLVCR2	1.50E-45	-20.46437947
TTLL5	1.50E-45	-20.46437947
QRFPR	1.56E-45	21.83041783
LOC102725258	1.93E-45	12.31093719
CDHR2	2.50E-45	-13.67524339
AGL	2.70E-45	-20.09069446
MFN2	2.83E-45	-22.37903626
ARL9	2.88E-45	-19.48301082
DRD5	4.04E-45	22.41126189
ASGR1	4.49E-45	-20.88964465
TFF1	4.80E-45	-17.51093547
CAPN9	4.99E-45	-19.47371806
LOC100101148	6.71E-45	22.10288609
TRIM74	6.71E-45	22.10288609
SLIT1	7.72E-45	-17.55847574
ARPC1B	1.15E-44	-20.46769576
ITM2C	1.32E-44	22.00633846
ADPRHL1	1.33E-44	-17.08018751
PRSS27	1.34E-44	-15.0413122
UBALD2	1.37E-44	-14.06305619
MT1JP	1.82E-44	13.67909568
FCHO1	2.04E-44	-22.31306783
ZMIZ2	2.19E-44	-18.68706761
STARD10	2.34E-44	-12.81465038
MIR4648	2.36E-44	-16.64258582
MAP4K1	2.54E-44	23.17909801
KY	2.74E-44	10.81767514
PPP2R2C	4.10E-44	-15.57790406
MIR5703	4.79E-44	-14.50148278
AGFG1	4.79E-44	-14.50148278
MACROH2A1	5.18E-44	12.98382951
CATSPER1	5.57E-44	-16.88609689
PCDH9	5.66E-44	10.55288634
ADAM11	8.03E-44	16.15372106
SAMD8	8.51E-44	-24.90848481
DUSP13	8.51E-44	-24.90848481
HOXD12	8.99E-44	-12.32694974
CYP2T1P	9.73E-44	16.45377477
FSTL1	1.03E-43	20.78703194
LYSMD4	1.57E-43	-14.98108015
PAX3	1.74E-43	23.32772207
SHANK3	1.88E-43	-14.51251859
KCNT1	1.94E-43	-22.64104459
TCEA2	2.12E-43	14.21457805
ADGRB3-DT	2.24E-43	14.48397693
ADD2	3.03E-43	10.05322054
ANKMY1	3.31E-43	12.54839545
CAMK2A	3.88E-43	-13.16110933
OR56A3	3.88E-43	13.10199913
TRIM5	3.88E-43	13.10199913
KBTBD11-AS1	4.39E-43	-10.02109432

MIP	5.00E-43	14.97721741
GLS2	5.00E-43	14.97721741
EFL1P1	5.07E-43	10.31943041
SHISAL2B	5.52E-43	26.68601309
CERS3	5.89E-43	14.60469173
KAT6A	5.93E-43	-23.73530055
STAP2	7.10E-43	20.56095886
WDR24	7.15E-43	-12.18952748
SH2B1	7.57E-43	20.89821048
PIWIL4-AS1	8.97E-43	12.4543725
MIR487B	9.76E-43	-16.75350551
KLHL42	9.78E-43	-13.77623937
ANP32C	1.01E-42	-16.99427272
LDHD	1.43E-42	-15.5820334
LOC441242	1.43E-42	-31.51921471
TK2	1.48E-42	17.42680813
HLA-DPB1	1.50E-42	-14.79663053
HLA-DPA1	1.50E-42	-14.79663053
CCDC194	1.60E-42	-14.59237449
SLC39A13	1.73E-42	-11.06343929
SPI1	1.73E-42	-11.06343929
ADAMTS8	1.73E-42	15.55680029
EPB41L3	1.91E-42	11.20250248
PLD6	2.28E-42	-10.4948923
CELF3	2.39E-42	15.46163582
HHEX	2.56E-42	18.46166885
RABL6	2.88E-42	-11.34081203
CYP2E1	3.23E-42	16.64494551
LHFPL4	4.26E-42	13.4444966
PLPPR2	4.40E-42	-13.19088962
PRAP1	5.01E-42	-11.63915542
ZNF511	5.01E-42	-11.63915542
TUBGCP2	5.01E-42	-11.63915542
KCNS3	5.09E-42	22.78042817
MIR922	5.67E-42	12.08635997
C2	5.81E-42	-25.90707763
CFB	5.81E-42	-25.90707763
IL6	6.00E-42	-21.83965398
GNAS-AS1	6.45E-42	15.42276871
SLC26A1	6.61E-42	-18.65526275
GASK1B-AS1	7.46E-42	16.57833468
GASK1B	7.46E-42	16.57833468
DLGAP2	8.55E-42	-12.28858763
MARS1	8.96E-42	-12.95833084
FOXR1	9.04E-42	11.0916598
DNAAF9	9.32E-42	14.0549351
SYT8	9.38E-42	-12.61193301
MAPK15	1.10E-41	-11.37830831
ZIC2	1.12E-41	13.07006861
RTKN	1.15E-41	-14.01695875
GRB10	1.16E-41	-14.91662179
PTPN5	1.22E-41	15.29403686
LINC00682	1.33E-41	17.65619676
SPRTN	1.58E-41	-12.07820684
PRIMA1	1.68E-41	10.84485093
PAQR5	1.97E-41	12.36288703

WFIKKN2	2.16E-41	-10.63412512
RAPGEFL1	2.24E-41	-14.96524754
LINC01115	2.25E-41	18.36088736
TNFSF14	2.40E-41	-17.50552982
MIR5587	2.60E-41	-20.19147044
RUNDC1	2.67E-41	-32.47147374
ARHGEF17	3.31E-41	-12.48475469
CSGALNACT1	3.69E-41	24.88756214
LOXHD1	4.21E-41	-15.91030812
TMEM45B	4.40E-41	-14.11799023
CPT1B	4.40E-41	18.45908615
PER2	4.81E-41	-10.32517522
RUNDC3A-AS1	5.44E-41	11.31293651
VSTM2L	5.82E-41	26.85732161
RASGRP2	5.91E-41	11.06638462
PLD3	6.35E-41	21.6512303
MCHR2	7.25E-41	-21.16078405
SH2D3C	7.48E-41	-22.45636084
SULT4A1	8.03E-41	12.98296431
MIR1-1HG-AS1	8.41E-41	12.51138697
MYO10	9.07E-41	-17.53700444
INHBA	1.07E-40	-16.21471518
ORAI3	1.24E-40	10.12201687
FRRS1L	1.29E-40	20.88289402
TRIO	1.62E-40	15.80157551
NKD2	1.68E-40	-11.01722244
MCAM	1.69E-40	-15.10266632
MIR1224	2.03E-40	-11.1702529
CCDC105	3.05E-40	21.2412725
SLC1A6	3.05E-40	21.2412725
MIR133A2	3.84E-40	-16.73348263
SHISAL1	3.86E-40	-19.96974641
TLDC2	3.91E-40	-18.66296473
APOA4	3.97E-40	-19.40486304
STK32C	4.91E-40	-13.71850832
SEZ6	5.03E-40	-20.91363102
ICMT	6.21E-40	-14.03918565
PCDHB3	6.22E-40	19.2269792
LDB3	7.48E-40	-15.74585501
PPP1R3B	7.75E-40	-11.64778771
LINC02350	8.35E-40	12.40391863
LOC101927531	8.35E-40	12.40391863
LOC105379613	8.35E-40	12.40391863
WNT2	8.95E-40	14.01944684
ZNF583	9.34E-40	11.5152124
ARHGEF40	1.19E-39	16.46453161
FLJ32255	1.31E-39	15.57185495
PRECSIT	1.31E-39	-15.24378054
EFS	1.40E-39	19.20356063
KIAA0895L	1.56E-39	11.46464883
LINC02899	1.57E-39	16.90906367
COL1A2	1.91E-39	13.11220609
LSP1	1.93E-39	-21.57090876
LOC105375610	1.96E-39	-10.081586
SLC51A	2.10E-39	-15.36842436
SLFNL1	2.52E-39	-19.78306849

TFAP2E-AS1	2.71E-39	17.97948137
CORO1A	3.03E-39	-12.70416186
TF	3.22E-39	17.65498171
NME2	3.42E-39	-18.73767189
LYPD5	3.56E-39	-26.35375254
MS4A15	3.63E-39	-15.42774009
MYOM3	4.06E-39	-10.21141981
HDLBP	4.83E-39	-13.73601084
SYPL2	4.99E-39	12.89718804
SLC29A3	5.04E-39	-17.51013888
LOC100996660	5.47E-39	10.43048326
MXRA8	6.11E-39	13.71060728
SLC6A18	6.34E-39	-16.61122716
CX3CL1	7.01E-39	-12.38681093
MFSD12	7.15E-39	-13.88072894
CCDC13	8.42E-39	-11.88886696
HIGD1A	8.42E-39	-11.88886696
SOX9-AS1	9.96E-39	19.66306622
LOC107984399	1.20E-38	-18.50015257
NCAM1-AS1	1.44E-38	-25.86343288
C19orf67	1.65E-38	16.24779771
ANO1	1.76E-38	14.7919884
ROBO3	2.18E-38	18.31725
TINAGL1	2.27E-38	-16.28691429
MARK2	2.38E-38	-13.90381366
HOXA4	2.77E-38	-17.41957352
LOC107985177	2.92E-38	16.83729012
NRN1L	4.40E-38	19.31835743
TESMIN	4.51E-38	-15.25935608
GALNT13	4.96E-38	13.08649592
SMARCD3	5.50E-38	-18.49754386
DCLK3	6.01E-38	21.97611017
ACY1	6.29E-38	-13.81834541
ABHD14B	6.29E-38	-13.81834541
DCDC2C	6.50E-38	13.56701278
UICLM	7.14E-38	-16.5769697
LTC4S	8.04E-38	15.57454496
SERPING1	8.65E-38	-21.32096021
TLCD3B	9.50E-38	-18.77293801
WNT16	1.24E-37	16.68068133
LOC105374329	1.24E-37	11.24847579
COX7A1	1.96E-37	13.08040762
PLA2G3	2.02E-37	-12.7128682
LOC100287036	2.08E-37	-13.08015631
NRG1	2.15E-37	23.33596179
NPAS3	2.16E-37	14.05552118
DGKA	2.25E-37	11.89578803
CARHSP1	2.27E-37	-12.51483108
MED12L	2.38E-37	16.29566016
ZNF710	2.66E-37	-10.12621097
SLC38A4	2.83E-37	19.39579451
SMG1P2	2.97E-37	-16.12261143
RAB5A	3.05E-37	-17.89415109
LAMP5-AS1	3.21E-37	12.64901622
ANKRD62	3.47E-37	-12.02508087
SLC4A11	4.05E-37	10.71812382

LMF1-AS1	4.94E-37	10.13304974
MUC2	5.13E-37	-13.92669278
BMP8A	5.23E-37	-17.5371736
COMP	5.35E-37	13.85349481
LOC105373629	5.63E-37	17.98013277
GH2	5.98E-37	-22.94290947
ARSI	7.69E-37	14.31900853
FAAP100	8.81E-37	-19.32479722
SUN1	1.05E-36	11.21345659
LAYN	1.26E-36	12.03818993
LEFTY1	1.30E-36	-18.35705291
NDUFAF1	1.33E-36	-19.85498788
NUP58	1.37E-36	18.26744254
PCDHGA5	1.50E-36	15.53857949
FAM228A	1.66E-36	15.22928583
LOC105374328	1.66E-36	15.22928583
C1orf115	1.66E-36	-14.39801484
TPRN	1.71E-36	-15.97329673
CD59	1.74E-36	-10.0562478
TMEM269	1.88E-36	13.09795494
ELMOD1	1.95E-36	19.28360201
SFTPD	1.98E-36	20.13986732
GGT6	2.25E-36	-15.30870209
CHDH	2.41E-36	-21.00733171
C15orf62	2.43E-36	-11.01987976
LUC7L	2.58E-36	-22.7840685
L1TD1	4.08E-36	-16.4352094
INSL6	4.21E-36	-15.99921936
LPGAT1-AS1	4.23E-36	-23.8281827
TMEM30B	4.39E-36	-16.70129129
HOXA5	4.69E-36	12.51095398
STK3	4.76E-36	-12.01929258
SETD1A	5.16E-36	-15.33375903
NFRKB	6.13E-36	-27.03971315
LOC100653233	1.11E-35	11.61435415
MIR3147	1.11E-35	11.61435415
EPB41	1.21E-35	-17.58677817
SLC38A8	1.30E-35	-13.71268869
THNSL2	1.70E-35	-24.46202098
BMP7	1.71E-35	17.90521836
LIME1	2.11E-35	-11.99949812
PCDHGA6	2.21E-35	14.28610022
FBXO21	2.58E-35	15.23956731
CDCA3	2.99E-35	-10.19636827
RNPEP	3.33E-35	-15.4348617
ALPI	3.40E-35	-17.66317333
PCYOX1	3.41E-35	-16.6245704
P2RX4	3.60E-35	-16.06739151
NDUFA3	5.26E-35	-19.67295847
LUNAR1	5.29E-35	-24.8964639
LOC105373958	6.64E-35	-15.61484754
RAB17	6.64E-35	-15.61484754
NYAP1	6.73E-35	-12.70962898
PRELID3A	7.78E-35	-19.25102084
EPHA7	7.87E-35	17.04446771
KCNJ1	1.04E-34	-21.36405788

KNCN	1.17E-34	-14.53650587
BGLAP	1.40E-34	-14.38071906
VCAN	1.51E-34	13.20452566
CHRNE	1.51E-34	-20.99252029
GUCA1A	1.55E-34	24.07640756
PSEN1	1.85E-34	-16.22596944
INPP5F	1.98E-34	13.30127262
RLN3	1.99E-34	-16.35363019
C19orf33	2.03E-34	-10.75290133
MYO7A	2.64E-34	14.31571819
OSR1	3.03E-34	18.44142901
LOC105371059	3.79E-34	17.00314011
LOC644669	4.11E-34	-15.33056507
FGF14-IT1	4.44E-34	10.32650171
LOC107986898	5.10E-34	-16.12515223
PDE4B	5.46E-34	16.51338844
ACOT11	6.09E-34	16.27921444
NSMF	6.52E-34	-10.47961527
LOC100130872	7.42E-34	13.08999823
DAPK1	7.49E-34	-14.97238611
SUPT4H1	7.77E-34	11.94008081
TMEM213	7.81E-34	18.54027812
ATP6V0A4	7.81E-34	18.54027812
LINC00226	7.86E-34	-16.67802929
ZNF649-AS1	8.22E-34	14.48518469
ZNF577	8.22E-34	14.48518469
ARHGAP33	8.67E-34	-20.97789633
REEP1	9.67E-34	-18.6245309
TEX26	1.04E-33	14.69563009
TEX26-AS1	1.04E-33	14.69563009
SULT2B1	1.08E-33	-16.73899638
IRX2	1.46E-33	12.33788068
ADARB1	1.66E-33	-10.36232385
SSR4P1	1.66E-33	-10.36232385
LOC105375800	1.89E-33	-16.77301986
LINC02904	1.92E-33	-12.10770816
CHST2	2.38E-33	12.29179657
FASTK	2.39E-33	-10.53624814
MGC12916	3.22E-33	12.9580291
TMEM190	3.26E-33	-14.52174851
TPPP3	3.41E-33	12.88440551
LOC105373289	3.55E-33	-14.0383437
BHMT	3.56E-33	-18.07021237
ELN	3.85E-33	-21.39728654
FTCD	4.06E-33	-12.97358268
CACNG1	4.38E-33	-16.7096757
KCNAB3	4.41E-33	14.62265364
TSHR	5.60E-33	-10.47410152
CACNA1A	5.80E-33	19.97697329
LRRN4	5.98E-33	-24.25942453
ZBTB46	6.62E-33	-14.34014866
RAD51D	8.30E-33	23.56392438
MUC5B	8.66E-33	-12.12629758
PLPP2	8.73E-33	-10.26928187
LOC100134040	9.57E-33	-13.84125856
NHLRC4	9.63E-33	14.30840994

GRM4	1.12E-32	-10.26405412
RGS3	1.17E-32	-11.6807836
MADCAM1	1.37E-32	13.58005036
CHRDL2	1.40E-32	16.87309514
MOV10L1	1.43E-32	-12.67231367
LMO1	1.46E-32	10.92142809
PRICKLE2	1.49E-32	12.69320907
TUBGCP3	1.53E-32	12.11351392
LOC107984948	1.60E-32	-20.51787559
KCTD1	1.83E-32	13.11961424
MAP7D1	1.84E-32	-13.83445134
PTPN21	1.90E-32	-10.363138
SRRM2	2.01E-32	11.97054416
SRRM2-AS1	2.01E-32	11.97054416
DSP	2.17E-32	14.31309136
EBF2	2.77E-32	11.17190164
KAZN	3.24E-32	-12.27788517
KCNN4	3.26E-32	10.54237626
LOC105373352	3.57E-32	-15.46286093
TPTE2P5	4.11E-32	-16.25870674
SUGT1P3	4.11E-32	-16.25870674
FBLN7	4.34E-32	-11.05495865
VGF	4.79E-32	11.44072765
DNAH17	5.12E-32	-10.40722786
IZUMO4	5.97E-32	11.63883331
GRIN1	6.19E-32	-19.76345358
PKP3	6.31E-32	-11.13447478
IRAK3	6.57E-32	23.60308678
SLC9A3	6.86E-32	12.12509431
SPATC1	7.10E-32	-17.71759756
SNX6	7.19E-32	-17.57919209
MMP17	7.46E-32	-12.4136733
ACOXL	7.79E-32	-10.45759569
PRPF6	9.00E-32	-19.05498932
SAMD10	9.00E-32	-19.05498932
ARHGAP45	9.23E-32	-11.91049536
HOXB2	9.59E-32	10.88105106
SLC43A3	9.63E-32	16.07696788
VSIG2	1.08E-31	-14.8308834
APOBEC3F	1.12E-31	-17.0751608
BAALC-AS2	1.15E-31	-13.72556388
MTMR9	1.22E-31	15.9512052
PAX7	1.25E-31	16.95964806
PCAT7	1.30E-31	-14.33434364
PKN3	1.39E-31	-16.2276041
MPPED2-AS1	1.44E-31	12.81848545
SPSB3	1.49E-31	-14.53024438
IGFALS	1.49E-31	-14.53024438
MYL5	1.59E-31	-18.04887958
LOC105372068	1.70E-31	14.237013
CELF4	1.70E-31	14.237013
KCNQ5	1.87E-31	11.07700009
KCNQ5-IT1	1.87E-31	11.07700009
SLC6A5	1.97E-31	16.96397627
NOS2	2.12E-31	-19.1988189
CALML6	2.17E-31	-14.95187747

UGT8	2.34E-31	-14.66995394
TMEM275	2.57E-31	21.86079885
EVPL	2.64E-31	-11.90875718
ATCAY	3.33E-31	-16.42973537
FMNL1	3.36E-31	12.88687356
FMNL1-DT	3.36E-31	12.88687356
LINC01044	3.60E-31	15.11794968
OTUD3	3.61E-31	-20.26354449
USP2	4.09E-31	-11.2827351
NCL	4.53E-31	11.30533739
CSMD2	4.78E-31	13.06723659
MTFR1L	4.80E-31	-15.0429531
B3GALT4	5.47E-31	-17.31623312
C3	6.07E-31	-12.99148025
MAD2L2	6.38E-31	16.07449296
SHKBP1	6.60E-31	11.2913026
ZNF300P1	7.76E-31	19.46661405
LINC00672	8.43E-31	-24.24362427
KCNK9	9.79E-31	11.69540096
SLC2A14	9.79E-31	15.91512182
IKZF4	1.10E-30	19.52990997
ARHGEF15	1.20E-30	-14.71513496
FGF20	1.20E-30	12.39225083
MYO1F	1.37E-30	-10.40580902
CCDC175	1.38E-30	-14.07013669
KCNQ1	1.62E-30	-11.59984787
NEURL3	1.88E-30	-13.31957754
RNF216	2.31E-30	-20.71543287
FSD1	2.32E-30	-24.41415439
LOC101928215	2.49E-30	-14.91509324
ELF3	2.60E-30	-10.39394071
ELF3-AS1	2.60E-30	-10.39394071
WFDC2	3.05E-30	-21.78757024
INSL3	3.21E-30	-13.52572178
LINC01410	3.54E-30	19.92348365
LINC02282	3.83E-30	16.3611921
NT5DC2	4.04E-30	-11.7146497
SNAP25-AS1	4.64E-30	13.50137736
CABLES1	4.90E-30	-10.2249742
MIR5691	4.95E-30	19.26293823
HOXD10	5.38E-30	16.32761694
POU2F2	5.79E-30	17.32867598
CARD14	5.85E-30	-16.94044347
CCDC110	6.07E-30	-12.14612394
MAN2A2	7.16E-30	-18.69056933
MIEF2	7.57E-30	-17.22944161
ANO7	7.86E-30	-10.37129853
PRCD	8.23E-30	11.6373449
CYGB	8.23E-30	11.6373449
CALCB	8.65E-30	17.19531734
LOC101928697	9.17E-30	-10.05525065
TUBA3C	9.17E-30	-10.05525065
RTP1	9.22E-30	-20.28285001
FAM131A	1.08E-29	12.16687553
MST1L	1.09E-29	14.3715195
MYT1L	1.09E-29	-14.8821916

APOC3	1.14E-29	-12.62013342
LINC01814	1.14E-29	-13.28986676
NIPSNAP1	1.22E-29	-24.70192376
RTEL1-TNFRSF	1.77E-29	12.90304508
STMN3	1.77E-29	12.90304508
NLRP4	1.91E-29	-14.49283669
NLRP11	1.91E-29	-14.49283669
EPS8L1	2.51E-29	-17.64042602
LOC101927825	2.79E-29	13.54528229
LINC00839	2.96E-29	16.48488789
CCNYL2	2.96E-29	16.48488789
TOLLIP	3.02E-29	-16.20352384
LOC105376512	3.02E-29	-16.20352384
INAFM2	3.79E-29	-10.29230084
SNORA68	3.79E-29	-12.58061556
RAB11FIP2	5.34E-29	-14.35313858
AKAP12	5.36E-29	12.04213411
MCM5	5.65E-29	-10.42416481
SLC25A10	5.74E-29	-13.93360285
JHY	5.81E-29	-16.12603666
TARID	6.63E-29	15.70055614
TPO	6.85E-29	-10.66091442
PDGFD	6.97E-29	-12.79260429
NDUFA13	7.37E-29	-11.07109929
YJEFN3	7.37E-29	-11.07109929
TSSK6	7.37E-29	-11.07109929
EVC	7.62E-29	18.46132632
RIMS3	8.47E-29	-16.52152725
NXNL1	8.89E-29	-11.24324937
AMN	1.50E-28	-12.26954159
LTBR	1.51E-28	-13.49410205
OCIAD2	1.51E-28	-12.67396472
GAL3ST2	1.65E-28	-10.66705768
KCNQ2	1.70E-28	-10.60323786
KCNK2	2.10E-28	10.20407179
MGAT1	2.15E-28	12.00437791
IMPACT	2.62E-28	-10.33398761
LINC02613	3.11E-28	12.13631362
TMEM130	3.28E-28	13.11162928
RGMB	3.45E-28	-17.60214718
SEC14L1	3.72E-28	10.58845469
MROH6	4.32E-28	11.63983356
LEP	4.52E-28	14.48720532
SERPINB9	5.09E-28	-10.48004642
COL11A2	5.22E-28	-10.89822716
ZNF782	6.07E-28	-14.09829634
LOC100289333	6.36E-28	15.72311793
FBXW5	6.76E-28	-14.6682828
LOC101929295	6.97E-28	-14.10910357
CXCL5	7.08E-28	13.42769926
AURKAIP1	7.29E-28	-15.82746244
TNFRSF19	7.60E-28	10.90557438
FAM238A	8.27E-28	-10.30665048
MDFIC	9.01E-28	-13.41881153
CBLN4	1.09E-27	19.50154887
ANKRD45	1.22E-27	14.95937836

B3GNT7	1.26E-27	14.50153954
RNF166	1.27E-27	16.61442889
MCHR1	1.51E-27	19.95683659
GLI3	1.58E-27	13.54827204
CPA1	1.64E-27	-15.54508215
CIRBP	1.74E-27	-11.66201663
CIRBP-AS1	1.74E-27	-11.66201663
KLHL21	2.01E-27	-10.27981108
DAD1	2.38E-27	-16.67536013
NPTX2	2.42E-27	13.77682162
USP35	2.54E-27	11.04668061
LINC02116	2.64E-27	11.4077556
RFX2	2.64E-27	-10.91698565
JAK3	2.71E-27	11.6621827
C1QL1	2.81E-27	13.73995834
TAMALIN	2.82E-27	-10.62436325
TNF	3.20E-27	-11.10917541
OBP2B	3.42E-27	-19.14671802
H2BC1	3.53E-27	-12.38774234
C3orf14	4.40E-27	10.17332869
TRPM4	4.92E-27	20.03341584
DPEP1	5.03E-27	11.5871848
THBS4	5.22E-27	19.26069703
MIR6765	6.37E-27	-14.2582863
RUFY4	6.38E-27	-12.94246162
TNS1	6.38E-27	-12.94246162
TP53I13	6.96E-27	-12.42632776
LINC02179	7.04E-27	17.10974497
SPON1	8.50E-27	-10.56074296
NLRP7	8.83E-27	-14.91651773
GAL3ST1	8.84E-27	-19.07002241
LINC00471	9.08E-27	13.87584954
LOC100506207	9.19E-27	-15.40375434
LOC105374914	9.19E-27	-15.40375434
SLC35B3	9.19E-27	-15.40375434
RECQL5	9.22E-27	-12.54370843
SLC22A18	1.02E-26	14.06350847
TPM1	1.19E-26	-11.52673459
ARHGAP27P1-E	1.31E-26	-11.11121533
CEP170B	1.34E-26	-11.64853409
DNAJB8-AS1	1.35E-26	-11.12650518
CCDC183-AS1	1.54E-26	-13.31461165
FHAD1	1.63E-26	-13.15791555
DENND3	1.82E-26	-10.81188947
SLC2A1	2.22E-26	-10.59249053
MFSD6L	2.37E-26	-11.28854063
NUDT1	2.42E-26	-13.71753148
CARMIL2	2.45E-26	-11.03260453
PPT2	2.84E-26	10.17133925
PPT2-EGFL8	2.84E-26	10.17133925
PRRT1	2.84E-26	10.17133925
PFKP	2.84E-26	-12.72692189
SYNGR1	3.06E-26	-10.93922789
TRAF7	3.83E-26	-14.1052168
SNAI1	4.11E-26	-20.47114924
PLPP5	4.93E-26	-11.22143505

PUF60	5.00E-26	-16.06142728
TMEM178A	5.25E-26	15.07115887
LOC101930053	5.27E-26	10.8801811
VLDLR-AS1	5.27E-26	10.8801811
AGBL2	5.35E-26	-15.42614701
CHRD	5.47E-26	-12.26202426
SHC2	7.46E-26	-17.99860438
CBLC	8.73E-26	-17.89772727
C2CD6	8.87E-26	11.29718123
PXMP2	9.69E-26	-15.21262705
NAPA	1.21E-25	-16.29976093
CPT1C	1.38E-25	-11.71662411
FADS1	1.49E-25	10.31911827
ORMDL3	1.59E-25	-12.25347422
CLVS2	1.61E-25	16.83227066
APOA1-AS	1.62E-25	-14.4989983
PDZRN4	1.91E-25	19.77797616
LY6K	1.99E-25	12.45494207
ERICH3	2.07E-25	15.69652516
MTSS1	2.24E-25	-15.83265044
FAM83F	2.31E-25	-10.28735789
ZDHHC8	2.33E-25	-16.00794743
RBP7	3.04E-25	-14.97896812
CCDC185	3.85E-25	-14.42633921
PSORS1C2	3.91E-25	-20.81518934
LOC105370791	4.05E-25	17.31144801
SUCLA2	4.15E-25	-14.32250921
TLE2	4.73E-25	13.16793568
PPM1N	4.98E-25	11.91952554
KATNAL2	5.72E-25	15.6808423
PCDHB19P	5.76E-25	16.009062
MIR589	5.77E-25	-12.46427839
E2F1	6.14E-25	-16.4997138
LINC01451	8.25E-25	-10.86884398
CHD1L	8.97E-25	-11.00941596
CLDN11	1.01E-24	10.46192095
USP36	1.06E-24	-18.85601964
MTNR1B	1.07E-24	16.24301612
OR3A2	1.13E-24	12.07656197
FEZ1	1.13E-24	11.83195849
CCR6	1.14E-24	10.3651576
LOC105378122	1.14E-24	10.3651576
MAP3K9	1.21E-24	-17.03834317
LINC00028	1.63E-24	20.84681496
C9orf152	1.66E-24	-15.63603797
RAB32	1.70E-24	-13.43333286
CD300LG	1.72E-24	-13.11054506
DNAI1	1.90E-24	10.24976346
MMP25	2.29E-24	-14.816089
C16orf95	2.36E-24	-10.00337905
TMEM216	2.55E-24	-13.02132739
CTBP2	2.60E-24	-13.48975198
RNF19A	2.74E-24	-15.95675463
RTN3	2.94E-24	-13.7026759
HHAT	3.27E-24	16.97399719
DOLPP1	4.30E-24	11.79406453

TEX29	4.45E-24	-11.87997724
LINC01022	6.50E-24	-15.36480435
CLEC14A	6.50E-24	11.39301062
INMT	6.84E-24	-10.82843301
INMT-MINDY4	6.84E-24	-10.82843301
PACERR	7.03E-24	11.32274234
PTGS2	7.03E-24	11.32274234
LOC441666	7.49E-24	13.71986968
LOC112268044	7.72E-24	13.10340748
LOC105376350	8.52E-24	13.43555545
AQP2	9.31E-24	-18.22160419
HK3	1.02E-23	-10.79046396
GJD4	1.19E-23	-14.79096958
APCDD1L	1.27E-23	14.61325536
NBEAL2	1.28E-23	10.50540564
RACK1	1.33E-23	-18.03344668
LOC107986961	1.44E-23	-11.42631657
C3orf80	1.72E-23	16.59802595
MYO1G	1.77E-23	12.37565157
GREM1	1.97E-23	11.91083328
C1orf94	2.21E-23	11.61350844
UBXN4	2.31E-23	-12.35837216
CERS2	2.32E-23	10.66883729
HELZ	2.41E-23	-10.49558663
SPATA2	2.46E-23	-15.85975215
MADD	2.50E-23	-15.31079952
TMED1	2.88E-23	-10.64814004
MIR200CHG	3.12E-23	-10.59981237
MIR200C	3.12E-23	-10.59981237
GGT1	3.38E-23	-13.10827951
DLX6-AS1	3.84E-23	15.35472726
SMIM17	3.96E-23	14.19505226
ASPDH	4.60E-23	-10.76515145
PTBP1	4.63E-23	-12.7592455
C19orf71	5.24E-23	-11.87949659
PHLDA3	6.60E-23	11.35706548
MZT2B	7.22E-23	-10.37418736
AGO1	7.76E-23	-10.32530199
SLC7A8	7.79E-23	-12.72869503
SKP1	8.36E-23	-10.8336088
IFNGR2	8.36E-23	-15.14518864
LBX2-AS1	8.43E-23	-10.34064775
KRTAP5-8	8.62E-23	-16.30424881
LOC105373358	9.33E-23	-15.03545486
MEG3	9.56E-23	-11.76422899
LPAR2	1.10E-22	-11.56967525
ERG	1.17E-22	12.29726661
GRK7	1.21E-22	-14.78746642
SLC44A2	1.35E-22	-11.44833789
COMT	1.47E-22	-11.28754928
MIR4761	1.47E-22	-11.28754928
TNK2	1.48E-22	16.99678474
FECH	1.59E-22	-17.32596901
SORBS3	1.60E-22	-11.96292262
HCRTR1	1.75E-22	-16.14219283
LCN15	2.24E-22	-11.67369569

BHLHE22	2.44E-22	13.55400424
ADIRF-AS1	2.53E-22	-12.29955462
TECTA	2.78E-22	-10.01300165
SLC16A1	3.04E-22	11.59829165
DDR1	3.10E-22	-11.02651543
IFITM5	3.11E-22	-12.50938591
DRD1	3.46E-22	13.26706167
CCDC134	4.24E-22	-13.79634259
ALDH1L1	4.37E-22	-11.56863041
SMAD3	4.90E-22	11.00012355
LOC101927437	5.43E-22	10.38447897
GRB7	5.64E-22	-14.42166748
GRAMD2A	6.03E-22	-10.51155075
HIC1	6.45E-22	12.27965745
SEMA4A	6.59E-22	-15.97388998
PSPN	6.61E-22	-12.54085636
CNKSR1	6.75E-22	-10.36234078
RORA	6.80E-22	13.21700477
LOC107984805	6.80E-22	13.21700477
CEMIP	7.12E-22	-11.64795125
CCDC17	8.72E-22	10.22740501
MACF1	9.56E-22	-17.09745659
SMIM32	1.02E-21	11.0263164
KCP	1.17E-21	-11.11222004
FLRT1	1.22E-21	-10.61584653
CHN2	1.36E-21	-11.63998753
LRTM2	1.59E-21	10.58961492
PSMB9	1.63E-21	-13.86189566
THAP4	2.00E-21	-15.26743573
CCDC27	2.05E-21	-10.21468748
KCNA5	2.06E-21	10.63200752
FOXRED2	2.20E-21	-11.50826964
ITGB7	2.27E-21	-10.07835011
CFAP74	2.49E-21	-13.45630596
MGAT3	2.80E-21	17.07128856
SLC52A2	2.98E-21	-12.65184283
TMEM249	2.98E-21	-12.65184283
HTRA4	2.99E-21	17.53304128
PDXK	3.03E-21	12.3129364
ZNF433	3.04E-21	10.71930967
ELMO3	3.80E-21	-10.34574843
CKB	4.15E-21	10.7110957
LYPD3	4.65E-21	-17.82855089
ZNF696	5.52E-21	-15.00871466
RPL18	6.48E-21	-12.72159049
C1orf35	6.50E-21	10.22589287
LOC107986926	7.04E-21	-11.02282724
LPP	7.18E-21	-13.49845565
MCEMP1	7.30E-21	-15.04268443
TJP3	8.44E-21	-13.06320121
PNPLA7	8.64E-21	-10.84705402
KCNS1	9.03E-21	-10.25052997
TM4SF1-AS1	9.35E-21	-19.61380557
LOC100129534	9.59E-21	-15.16599112
RPS6KL1	9.59E-21	-13.13072309
SOAT2	1.00E-20	-12.3995037

LOC107984437	1.07E-20	12.89744254
ALOX12P2	1.10E-20	-10.97122129
CD8A	1.22E-20	-10.8978253
TNFAIP2	1.22E-20	-11.22555362
CNNM1	1.32E-20	13.42193487
KIF22	1.41E-20	-15.93571998
TOP1	1.44E-20	-11.0561504
GINS2	1.47E-20	-16.31761787
LOC105371209	1.53E-20	11.3727489
L3MBTL2-AS1	1.83E-20	-10.93688565
SNHG14	1.84E-20	-10.2769716
SNORD115-6	1.84E-20	-10.2769716
AMH	1.98E-20	-10.98009469
HLX	2.07E-20	11.08346808
ST6GALNAC4	2.09E-20	-12.88071139
GNA12	2.36E-20	11.32805743
SSPOP	2.99E-20	-12.0221943
SND1	3.14E-20	17.35215907
TET3	3.56E-20	13.59894185
GPR68	3.72E-20	-10.37599514
RFESD	3.87E-20	-11.79123043
EGFL7	4.24E-20	-12.08229622
AFAP1L1	4.25E-20	12.03704365
LINC00857	5.01E-20	-15.66663851
NFATC1	5.36E-20	-12.90909559
MS4A10	5.71E-20	-12.31399223
LOC100130370	5.88E-20	-11.16868005
ABAT	7.20E-20	10.39198399
ABHD16B	7.45E-20	-11.86138052
CDIPTOSP	7.83E-20	-16.135048
CDIPT	7.83E-20	-16.135048
NFE2L3	8.03E-20	-12.3771766
POLG	8.93E-20	10.95754588
AJAP1	9.58E-20	-12.96126421
GNAT1	9.60E-20	-13.86091141
ARHGEF19	1.06E-19	10.66491968
POP4	1.07E-19	14.23847231
ITIH1	1.33E-19	-15.03239088
HHIP-AS1	1.36E-19	10.09711277
DNM1P35	1.75E-19	11.1692578
PRSS3	1.78E-19	-10.4618903
CCL25	1.80E-19	-15.94475301
PRKD2	1.92E-19	-17.72639692
PGLYRP2	2.36E-19	-15.42588715
GPR180	2.90E-19	14.61889893
PLEKHG6	2.94E-19	-14.34613378
LOC101927418	3.03E-19	12.5604947
SEMA3C	3.35E-19	-11.06034603
COPB2-DT	3.53E-19	12.31077035
IRAG1	3.65E-19	-11.10032505
ABCG8	3.99E-19	-12.64821401
ZFP41	4.06E-19	-10.20314589
LGALS4	4.13E-19	-10.70125138
MYLK2	4.28E-19	-11.56208796
TACSTD2	5.08E-19	-10.36866838
RAB40B	5.22E-19	11.42807813

ZBED3-AS1	6.04E-19	-12.84142677
ZBED3	6.04E-19	-12.84142677
MED26	6.10E-19	-12.55023495
BIN2	6.26E-19	13.61693076
KLK12	6.79E-19	-14.28748126
TNIP2	7.28E-19	-10.56439226
HID1	7.60E-19	-11.93432693
ERFE	7.88E-19	-13.21767693
TRPC7	7.89E-19	13.69795584
CPED1	8.62E-19	14.54703211
THEM4	9.23E-19	-15.01303138
PLEC	1.02E-18	11.70846897
RAE1	1.16E-18	-11.18281341
PTPRR	1.21E-18	11.56293678
P4HA3	1.22E-18	14.4879199
ARHGEF10	1.60E-18	-11.09788162
LHFPL5	1.73E-18	-16.66530017
CLPS	1.73E-18	-16.66530017
OLFM2	1.92E-18	15.85565924
GAREM2	2.13E-18	14.412436
PRDM11	2.35E-18	12.10672636
LGALS7B	2.37E-18	-10.86221156
CYP26B1	2.44E-18	11.86560962
PROB1	2.72E-18	18.69230769
HGFAC	2.72E-18	-11.8715291
CHMP2A	3.12E-18	-15.04420044
TACC1	3.39E-18	14.64535314
SLC44A4	3.59E-18	-13.26777846
IRF8	3.83E-18	12.29925236
GRIN3B	5.03E-18	-11.1289867
SLC35F6	5.15E-18	-14.0154746
CENPA	5.15E-18	-14.0154746
DEGS1	5.34E-18	13.54927432
TBC1D24	5.46E-18	15.60272901
COL6A3	7.96E-18	-10.73231474
CSK	9.44E-18	10.49693059
WNT7A	1.02E-17	13.8731207
RGS7BP	1.20E-17	10.49515272
GPX5	1.32E-17	-19.93062557
C5orf47	1.46E-17	12.50721947
VHL	1.92E-17	-13.22152023
NSD1	1.96E-17	10.23236038
NAGLU	2.13E-17	-10.15339855
ARHGDIA	2.33E-17	-12.16686235
TMEM270	2.53E-17	-11.01556612
HSPA4L	2.57E-17	-10.06421018
LRRC74B	2.59E-17	10.10213888
P2RX6P	2.59E-17	10.10213888
BAALC	2.64E-17	17.73807998
CUEDC1	2.74E-17	-14.88244943
CCDC85A	2.82E-17	-13.84962774
CNDP2	2.82E-17	-12.14863438
HMGN1	3.03E-17	-10.72363321
SNED1	3.04E-17	13.95668662
TMEM176A	3.13E-17	-13.0493563
TMEM176B	3.13E-17	-13.0493563

STK38L	3.42E-17	-13.17858273
CDH23	3.96E-17	-12.8276348
SETMAR	4.00E-17	-11.31947078
LOC728024	4.47E-17	13.71921461
DPF1	4.60E-17	-15.87418718
GPR27	5.48E-17	14.08774753
ZFP42	5.59E-17	10.54062036
LHX6	5.76E-17	11.81150758
HAPLN1	5.98E-17	-15.94458597
CDK2AP1	7.31E-17	10.09008111
KIAA0930	8.14E-17	11.28552385
MSRB3	8.63E-17	12.77778079
TRAM2-AS1	8.80E-17	-16.66913869
SPG7	8.81E-17	-11.47880399
SMPD3	9.10E-17	-10.48091712
IRF5	1.02E-16	-11.76421449
TOGARAM2	1.18E-16	-10.65516856
RHPN2	1.37E-16	-11.0926632
ZC3HAV1	1.72E-16	-10.68889669
TMEM184B	2.18E-16	-12.29812702
SYCE1L	2.40E-16	11.29145937
PLK3	2.56E-16	-13.00333711
FAXDC2	2.65E-16	13.64734153
RAB5C	2.77E-16	10.86759247
TCF21	2.86E-16	15.18320149
PLEKHA6	3.01E-16	11.10639059
OXCT1	4.33E-16	-10.91605403
TGFB1I1	4.38E-16	10.30484567
XPNPEP1	4.51E-16	-10.55334594
ACP4	4.91E-16	-12.21624022
KEAP1	5.07E-16	-12.21055439
SDR16C5	5.56E-16	-12.02444279
USP28	7.21E-16	-10.89165509
WDR59	8.47E-16	-10.1341948
CUL9	8.59E-16	-10.84258846
KLHL17	9.37E-16	10.69614357
NOC2L	9.37E-16	10.69614357
MAP3K6	9.98E-16	-11.69514194
UBLCP1	1.07E-15	-11.48177059
ODF3L2	1.17E-15	-10.33744153
MIR202	1.31E-15	-10.6490232
THBS4-AS1	1.31E-15	-10.32268552
CUTALP	1.33E-15	15.03267818
NTMT1	1.41E-15	-12.30652967
NDRG2	1.44E-15	10.48759242
LILRB3	1.47E-15	-10.9390778
LINC00960	1.54E-15	-10.54673093
MMP28	1.58E-15	-11.59943838
MINCR	1.95E-15	-14.13714406
ZNF695	2.05E-15	-17.24250753
C5orf49	3.14E-15	10.31089472
TCF7L1	3.20E-15	15.67266274
FBXL4	3.64E-15	-11.12438009
KBTBD12	4.22E-15	-10.95978575
LOC105371082	5.03E-15	-11.83129666
RMI2	5.03E-15	-11.83129666

MAMSTR	5.50E-15	-11.28228886
LRRC36	5.52E-15	-14.5291838
KCTD19	5.52E-15	-14.5291838
ZBTB44	5.55E-15	10.73276092
ST6GALNAC6	6.03E-15	-12.85597287
ZNF544	6.23E-15	10.49534924
LINC02414	6.41E-15	-11.5813207
LOC105373085	6.92E-15	-11.89509776
SLC4A3	7.35E-15	-12.56124232
PFKFB3	7.42E-15	-12.21511697
C1QTNF12	8.36E-15	-11.35410165
ZNF580	8.39E-15	10.36763998
ZNF581	8.39E-15	10.36763998
CCDC106	8.39E-15	10.36763998
TMEM177	9.02E-15	-10.226126
NWD1	9.17E-15	-10.49537476
RABIF	9.48E-15	-11.0298866
MIR4477B	9.67E-15	18.40222746
COPRS	9.97E-15	-11.35081564
EXTL3-AS1	1.97E-14	-13.31190968
MXRA7	2.00E-14	10.06464884
CGB2	2.12E-14	13.48416946
APC2	2.12E-14	-10.00985419
GSE1	2.91E-14	-13.44460392
MT2A	3.44E-14	-11.67044258
MAG	3.81E-14	-11.51233092
CMAHP	4.76E-14	11.90079337
RHBG	4.98E-14	-13.18587317
CCT3	4.98E-14	-13.18587317
LOC107987178	5.06E-14	-13.43418874
ADAM15	5.40E-14	10.2339222
CDK3	5.69E-14	-11.42843628
CLTB	6.73E-14	-11.35483348
RELB	8.14E-14	-10.97645142
MEAK7	8.18E-14	-10.32832423
DNMT1	1.14E-13	-12.78127139
CLUAP1	1.20E-13	10.05053231
CENPN	1.35E-13	-13.10579694
FAHD2CP	2.99E-13	-12.36993591
NWD2	4.70E-13	-10.49292265
TMEM145	4.78E-13	-11.33813322
MRGPRG	5.12E-13	-10.62158707
PRPSAP1	5.78E-13	-16.44355644
LTBP1	7.84E-13	-10.99013094
ZNF396	1.09E-12	-10.44162394
OCSTAMP	1.27E-12	-13.56026786
ALDH1L2	1.32E-12	-12.43515487
EPHB3	1.60E-12	11.64957932
DIRAS3	1.76E-12	10.53111148
SPDYE4	2.31E-12	-10.82361035
SBSN	2.55E-12	-11.89475379
SRPRB	2.66E-12	12.483775
ESYT3	2.72E-12	11.64836359
GPR179	2.89E-12	-13.17945732
ITPRID1	3.52E-12	-14.34964487
ACACB	4.81E-12	-10.03510998

NR2F1-AS1	5.26E-12	10.21691658
LINC01756	6.39E-12	-15.01597935
ITPRIPL1	7.18E-12	13.52149267
MIR6875	1.15E-11	-10.06531894
SRSF7	1.48E-11	-12.7777509
FGF2	1.57E-11	11.72811233
HNF4A	2.04E-11	-12.26878168
R3HDML-AS1	2.04E-11	-12.26878168
SYT15	2.17E-11	12.72850534
CPOX	2.19E-11	-13.83227659
LRRC23	2.72E-11	-11.09116478
ENO2	2.72E-11	-11.09116478
UNC79	3.45E-11	13.21134296
STPG3-AS1	3.76E-11	10.12338747
NDUFS2	5.05E-11	11.23862824
FAM124B	5.63E-11	12.64626594
ZNF670-ZNF695	5.75E-11	-13.09172184
ZNF670	5.75E-11	-13.09172184
DLGAP4	1.12E-10	-12.70405283
BECN2	1.17E-10	-11.24270506
SIX1	1.44E-10	10.07729084
JOSD1	1.46E-10	-10.01771388
GLB1L2	1.51E-10	-11.40978734
KISS1	1.54E-10	-13.01671884
CRCP	1.85E-10	-13.60620403
TTC23L-AS1	1.88E-10	11.81631714
EXOSC10	2.54E-10	-12.11797807
KIF1C	3.03E-10	-13.80425399
MEGF9	3.16E-10	-11.12608047
LINC02011	3.21E-10	10.30457782
DYNC1H1	4.24E-10	-12.83333467
UPB1	7.59E-10	12.74372935
SPRED2	2.78E-09	10.21467056
NR2C2AP	3.27E-09	-10.82560241
COL12A1	3.73E-09	10.15157197
PDSS1	3.87E-09	-10.40193444
SNORD15B	4.26E-09	-10.01223414
RAB25	6.53E-09	-10.86237374
HK1	2.04E-08	10.13401721
GTF3A	3.35E-08	-12.92936891
ARMH1	3.74E-08	-11.18984938
NFIA	4.59E-08	11.16852682
NEFH	5.02E-08	10.41186998
LOC107985541	5.02E-08	10.41186998
PLEKHA4	6.58E-08	-11.63873056
LINC02751	9.85E-08	-10.87585408
TSPAN33	3.02E-05	10.08743088

Table S10 Differentially methylated regions between low grade adenoma and high grade adenoma

Symbol	qvalue	meth.diff
ZNF638	0	11.7396
LBX2	0	24.69886
FAR2P2	0	-18.1475
RBP1	0	-34.5963
SNCA	0	-22.7491
HAND1	0	-19.4666
HLA-DPB1	0	-42.4638
HLA-DPA1	0	-42.4638
TBXT	0	-13.9985
MAD1L1	0	-25.9595
STK31	0	-21.8609
HOXA2	0	19.53996
LHFPL3	0	-16.0021
PTHLH	0	-14.5128
LINC01551	0	-37.481
FOXG1	0	-37.481
FOXG1-AS1	0	-37.481
LOC102724859	0	22.52798
RAPGEFL1	0	-32.4471
C17orf64	0	15.18096
ZNF781	0	25.81648
ZNF543	0	-15.3196
CRACR2B	5.3519E-307	-14.5785
AKR7L	1.8156E-306	21.2992
HOXB-AS3	1.1279E-297	-29.6614
MAP3K11	4.9424E-297	15.9468
LDHC	1.1899E-289	-25.1322
FOXD2-AS1	2.1082E-283	26.19122
ZNF331	1.0962E-281	-19.6983
HOXB3	1.2496E-281	-30.6874
LINC01230	2.1754E-273	21.88548
LINC00960	4.2478E-272	-17.9992
SIM2	5.9836E-267	-12.7699
LINC00163	1.656E-266	-23.2
PON1	1.3307E-265	19.44075
PAX3	6.9327E-262	-14.2721
EPHA5	2.8852E-261	-16.359
LOC105369614	4.6639E-259	-22.1468
EN1	7.4848E-258	19.71147
ECHDC3	7.6668E-252	-20.0344
LINC00484	8.1858E-250	-42.5316
GNAO1	1.5513E-249	18.90078
GNAO1-DT	1.5513E-249	18.90078
SEC31B	1.1417E-241	21.33444
COL24A1	3.295E-241	-13.1379
C2orf68	6.7873E-241	-19.1498
REPIN1-AS1	1.1737E-239	-11.3449
SLC15A4	2.6905E-238	-20.6296
FRZB	8.0553E-233	-19.8596
TIAM1	4.2068E-232	25.89038
LOC105377730	3.1701E-230	-24.6106

ABCA13	7.1072E-229	-13.4897
NPRL2	6.4076E-228	-26.0407
ITGBL1	3.4628E-226	-23.5005
AOX1	2.9779E-224	13.21334
KCNG1	2.4211E-223	26.57836
PYGO1	9.6065E-223	21.26287
ABR	2.2559E-222	-27.9077
TPTEP2-CSNK1	1.246E-221	10.33378
TPTEP2	1.246E-221	10.33378
BST1	5.8866E-221	-10.9132
COPB2-DT	5.7353E-218	-17.7962
RAPSN	7.3174E-218	-32.1606
IQSEC1	1.1664E-215	-27.8714
AKR1E2	1.3709E-212	-25.3716
LOC107986383	4.0961E-210	24.65852
KRTCAP3	2.3494E-208	-11.9636
CHFR	2.8482E-208	14.70676
LRRC4C	1.088E-203	20.52641
BCL2L11	2.0184E-203	-15.2646
GATA2	2.0521E-202	24.09306
LINC00942	2.9765E-202	-24.8762
ALOX12	2.5852E-201	26.19977
RPSAP58	4.3406E-200	-11.7037
IGFBP3	3.159E-197	-18.4524
SOX1	1.4899E-196	17.47907
SDHAP3	2.2051E-196	-10.0327
NBEA	6.8235E-195	-21.7475
TNFRSF8	1.2291E-194	-11.7606
EHBP1-AS1	1.8889E-193	-19.7415
HOXB-AS1	3.8806E-193	-13.7012
STAP2	4.7245E-191	-20.721
RIC3-DT	9.0782E-191	13.94078
RIC3	9.0782E-191	13.94078
SLC45A3	8.4387E-190	-15.1843
MSLN	3.7634E-188	-18.4529
ZNF256	1.3591E-187	10.03192
VSTM2A	1.1778E-186	15.9928
TFAP2A	3.485E-186	-10.1101
NEU4	7.3017E-186	-22.354
TRAPPC9	1.5035E-183	-24.2336
LOC105370802	1.8208E-183	19.56563
H2BP2	5.0019E-183	-16.2291
H3-2	5.0019E-183	-16.2291
GCAWKR	1.753E-182	-24.6621
ZNF610	1.1591E-181	-17.6648
H2AJ	1.2418E-181	-21.6695
LOC283028	1.4198E-181	-19.7382
RNF165	2.9097E-181	-13.2358
GCC1	8.1054E-181	-11.7654
SCAMP4	2.9177E-179	-13.7182
SPEM1	3.1232E-178	-22.3859
MSH4	9.9163E-178	-16.647
KCNK12	4.188E-176	14.46569
LOC105373656	6.8071E-175	26.63755
CBLN1	1.0069E-173	24.57317
SLFN13	2.9751E-172	21.33458

SPEGNB	3.2527E-172	-14.2128
RFPL4B	1.0287E-171	-30.4618
DAB1	4.4906E-170	-19.9019
ZNF75A	1.0301E-169	14.89354
TIGD7	1.0301E-169	14.89354
USP44	1.1787E-168	17.32822
CHST5	5.2586E-167	-31.3778
NID1	7.7853E-167	-13.1522
LINC01231	8.6869E-167	16.35692
LRRC4	2.9351E-166	17.75336
ALG1L	5.1209E-166	-17.3085
TAC1	6.0871E-166	17.96293
EPHA5-AS1	1.0047E-165	-21.4473
GPR150	1.7202E-165	-11.4465
VIM	1.7905E-163	12.67602
VIM-AS1	1.7905E-163	12.67602
HOXC9	6.3868E-163	-22.2802
HOXC-AS1	6.3868E-163	-22.2802
CCDC180	6.9938E-163	26.18525
NR1H2	4.5973E-161	-13.7038
UNK	1.6942E-160	-20.8191
HOXB4	2.5806E-160	-22.7199
KCNIP4	4.9539E-160	16.80776
ZNF813	4.9974E-160	-14.1453
GPR162	1.6128E-159	-16.3529
PCDH9	5.3503E-157	-14.1252
MKX	2.8021E-156	-12.0155
FHL2	2.9983E-156	-17.461
VEPH1	4.3623E-156	-12.2869
INSL3	5.1139E-156	-20.7187
DNM3	1.1019E-152	21.24403
ATP6V0CP3	4.0803E-152	-20.8171
MAST1	6.6875E-151	-23.348
AP3B2	1.0424E-150	23.29587
RASGRF1	1.5429E-150	14.34924
PCDHB8	1.3095E-149	-24.045
CRYZL2P-SEC1	5.4045E-149	-11.3612
CRYZL2P	5.4045E-149	-11.3612
LINC01210	1.4761E-148	-12.6236
KATNBL1P6	9.7374E-148	-15.204
B3GALNT1	1.782E-147	-14.038
GSDME	1.1615E-146	-10.5061
DPH1	1.3611E-146	15.39199
MELTF	2.4874E-146	-16.5462
GFAP	7.3881E-146	-18.131
TSPAN14-AS1	1.0622E-145	-15.5634
CHAT	2.1818E-145	-16.23
PAX6	2.9864E-145	-14.6021
TCP11	7.0431E-144	-22.1443
NMD3	9.8791E-144	-15.1887
ZNF471	2.0248E-143	21.16959
BMP4	3.2359E-143	-13.312
ALDH1A2-AS1	4.5652E-143	-15.0621
SST	5.0466E-143	15.47343
EVX2	1.0189E-142	-20.3932
CMTM2	2.1467E-142	-10.905

CALCRL-AS1	2.9736E-142	-13.317
VWC2	4.5221E-142	13.24773
ST14	5.3145E-142	-12.5002
GLB1L3	7.2913E-142	-12.275
AQP1	1.8751E-141	13.00069
PPP1R3B	1.5422E-140	-20.7805
INSC	5.847E-140	-16.7673
HOTAIR	2.2638E-139	-19.2124
PRDM8	3.6128E-139	17.09748
PCDH8	5.0945E-139	13.59338
AKR1B1	1.3044E-138	-11.3545
LINC02350	2.965E-138	16.69966
LOC101927531	2.965E-138	16.69966
LOC105379613	2.965E-138	16.69966
CYP2W1	3.4267E-137	-18.2032
CCDC140	5.4217E-137	-19.3322
LINC02470	1.4241E-136	-18.2035
RUNX3	2.4621E-136	-14.2094
FOXC2	3.7224E-136	-12.224
CNTNAP2	2.3768E-135	-13.7258
FIGNL1	1.3733E-134	14.6886
CHRNA5	5.7495E-134	-25.0109
FAM184B	2.769E-133	21.34894
NKX2-2	5.4881E-133	14.54374
CASKIN1	9.3963E-133	-15.0731
ATP4B	4.8953E-131	-18.5074
ZNF415	5.8156E-131	-18.6426
GCM2	7.942E-131	16.62088
SIM1	9.095E-131	14.72132
MIR4435-2HG	1.0545E-130	-12.2785
PKIA	9.8658E-130	-14.2314
ESPNL	1.0072E-129	-15.8947
KCNQ5	1.5277E-129	-19.3181
KCNQ5-IT1	1.5277E-129	-19.3181
PAH	5.3121E-128	-13.4299
LOC112267865	5.3121E-128	-13.4299
LINC01511	1.107E-127	-11.2035
SPOCK2	1.7982E-127	-19.8091
ALDH3B2	2.545E-126	-14.9063
PLCH2	3.9717E-126	-20.5039
ZNF790-AS1	1.0522E-124	16.19426
BRCA1	1.3828E-124	-14.7618
BRINP3	5.1219E-124	-16.3533
MAN2B1	5.1147E-123	-14.6565
CACNA1E	2.5717E-122	15.6479
LINC02848	5.9245E-122	-20.1319
SH3RF3-AS1	1.1872E-121	-15.3572
HELT	2.9632E-121	-11.9784
NTSR1	6.4181E-121	-19.7395
OTX2	1.1812E-120	16.82572
DEAF1	1.2213E-120	-15.4302
TGIF1	2.644E-120	-20.5699
CCDC13	4.7637E-120	-15.662
HIGD1A	4.7637E-120	-15.662
CABP4	1.788E-118	-14.4277
HOXB5	4.2203E-118	-29.6707

KIF25	9.1553E-118	-11.6847
TSHR	9.9336E-118	-15.7204
ZNF814	9.9336E-118	23.00287
SOX5	5.6354E-117	-14.1289
LTBP4	4.6751E-116	-20.9475
CCNI2	5.2491E-116	-25.6832
ARHGEF39	1.1401E-115	14.86135
CTSW	3.5492E-115	-23.0196
LOC105369999	1.9494E-114	19.60525
TNRC6C	6.5543E-114	-14.4972
CCNA1	7.5385E-114	12.37917
ZNF570	1.6511E-113	-10.4069
ZNF569	1.6511E-113	-10.4069
GATM	1.8982E-113	13.87505
HSPA2	1.9147E-113	-11.4472
HSPA2-AS1	1.9147E-113	-11.4472
WFIKKN2	3.8693E-113	-13.4234
ANKRD30BL	3.1062E-112	-16.6518
RAB3C	1.9198E-111	-11.6495
COLEC11	2.7857E-111	12.26233
OSR2	2.8125E-111	14.14986
PDE6B	3.6187E-111	-17.9123
ATAD3C	3.6405E-111	-20.9294
PCDHGC4	6.349E-111	12.6436
GALNT13	8.2912E-111	-18.1906
HOXB8	9.1261E-111	-11.0541
LINC01579	1.2887E-110	-23.0161
PYDC1	1.8556E-110	15.41292
PROSER3	2.1305E-110	-16.2437
HSPB6	2.1305E-110	-16.2437
ZSWIM2	3.9508E-110	-14.5575
LINC02418	4.4849E-110	16.24672
GUCY1A2	8.4084E-110	-16.5236
BAIAP2	8.8904E-110	-13.4517
SFRP1	1.5997E-109	16.32311
CLCNKA	3.327E-109	-23.2954
HSPB7	3.327E-109	-23.2954
LINC01018	4.6166E-109	15.73311
PRDM6	6.5129E-108	14.32494
NR2E1	1.8293E-107	11.32323
LINC02861	1.8968E-107	-16.4089
ZNF292	2.2543E-107	-13.8668
FBXL8	2.4123E-107	-15.2665
PAQR9-AS1	2.422E-107	10.39176
PAQR9	2.422E-107	10.39176
EID3	3.4974E-107	16.69203
HSPB9	7.2637E-107	-10.7881
ZNF347	3.0118E-106	11.98055
MSI2	3.3919E-106	-14.274
UBE2D2	3.829E-106	22.79765
VAMP5	3.9548E-106	17.23287
CABYR	4.276E-106	-10.5884
ARFGAP3	1.8837E-105	-20.8732
TNFSF11	2.2061E-105	14.47964
INPP5D	2.3286E-105	-13.9871
ANKRD11	5.6122E-105	-12.6856

PCDHB13	6.1112E-105	-15.6423
LOC101927646	1.1449E-104	-14.8102
SH3BP5	2.0261E-104	-14.6723
DLX1	4.8002E-104	-13.1862
DNAH11	5.1438E-104	-15.174
CDX1	2.595E-103	-10.1424
CA9	2.9309E-103	13.69434
FBRSL1	3.4474E-103	-16.0626
SYTL1	3.9944E-103	14.26687
SLC6A7	7.6729E-103	-12.9715
PCDH10-DT	2.3051E-102	13.96744
CSMD2	3.1669E-102	-16.2026
LOC107986930	4.2258E-102	12.99733
SATB2-AS1	1.6582E-101	13.61003
NLRP2	2.0901E-101	-19.2137
RADIL	4.8077E-101	-16.9941
A1BG	1.9719E-100	12.78058
WDR86	2.0549E-100	-17.4305
MGC12916	7.6569E-100	-12.2682
CCDC39	8.7803E-100	12.86743
KCNK10	1.24311E-98	16.46914
ZNF611	1.40746E-98	22.09037
AMT	3.15399E-98	-13.2526
ZNF135	1.20869E-97	12.19938
PRDM16	2.05271E-97	12.69472
PRDM16-DT	2.05271E-97	12.69472
ZNF512	2.25642E-97	15.17239
FEZF1-AS1	2.3777E-97	-17.3288
ZIM2-AS1	3.49201E-97	15.38709
DUS1L	1.11302E-96	-15.6521
OTP	1.6882E-96	21.28045
TBX18	9.92549E-96	-17.3212
LYNX1-SLURP1	3.10162E-95	10.283
LYNX1	3.10162E-95	10.283
PHOX2A	4.97691E-95	20.21922
ZNF586	9.10253E-95	12.97524
CLMP	3.80055E-94	15.54813
MIR1193	4.26526E-94	-13.9583
G3BP1	7.97125E-94	-12.2671
NINL	2.76912E-93	18.08664
RGMA	3.06422E-93	-17.1169
COL26A1	4.67264E-93	12.81486
LOC107984871	5.81726E-93	-13.8845
PLXNB2	7.68614E-93	-12.2163
NRN1	9.54388E-93	11.7909
DYSF	3.16313E-92	17.06459
PLEKHG5	3.17881E-92	-10.6145
LBX1-AS1	7.40792E-92	10.07198
TMEM161A	1.2751E-91	-13.599
SRRM2	1.75345E-91	13.50259
LRRC37A6P	1.90283E-91	-20.15
EYA4	2.27719E-91	-15.5273
HOXB6	7.96312E-91	-25.2286
SYNPR	2.0335E-90	-18.3387
FADS2	3.95181E-90	13.8486
ZNF132	4.04033E-90	-10.3809

ZPBP	4.99691E-90	-15.8741
ZIC4	6.97785E-90	13.60232
KY	8.71849E-90	-10.8957
MN1	3.22575E-89	-11.0061
SLIT3	4.90722E-89	15.75322
KCNAB2	8.02037E-89	-20.4758
ZNF702P	8.02037E-89	15.28874
ALPL	8.74259E-89	-15.239
ST3GAL4	1.83135E-88	-20.2043
GSEC	1.83135E-88	-20.2043
PDYN-AS1	3.1822E-88	-14.6375
PNMA8A	3.91095E-88	-20.0219
DOC2A	5.66594E-88	-16.4501
ZNF334	7.81174E-88	-12.5504
PLEKHA2	9.08827E-88	14.5869
LOC110091776	1.67998E-87	22.36869
AVPR1A	2.29315E-87	16.10929
HCN1	3.78409E-87	17.38726
RBFA	1.82269E-86	12.28411
RBFADN	1.82269E-86	12.28411
MGMT	4.16425E-86	17.82751
RGS14	7.83792E-86	-23.5803
C17orf75	3.73341E-85	-23.1403
RNVU1-2A	7.38249E-85	16.69967
ANKRD7	7.90493E-85	-12.593
CD247	8.98246E-85	-13.2354
CARD14	1.03078E-84	-14.0555
ABCA1	2.54674E-84	20.01603
PTCHD3	6.61218E-84	-14.1927
FLJ32255	3.06097E-83	-20.6879
LOC388282	3.36626E-83	-11.0877
KIFC3	3.36626E-83	-11.0877
LOC101927759	6.55549E-83	17.77085
CALR4P	7.25186E-83	-14.9794
LOC105374329	1.39797E-82	11.53037
CMTM5	2.26341E-82	-19.5703
PIWIL1	2.62265E-82	-11.4222
MDGA2	2.91582E-82	13.37676
RNF212	2.93918E-82	-12.9
PTX4	3.13114E-82	-16.3592
ADAT3	3.56652E-82	-10.9274
BLCAP	3.86748E-82	-15.898
CA11	4.02169E-82	-19.4263
LOC105371209	4.8456E-82	-19.8347
TMPRSS12	5.40816E-82	-11.1794
ZNF492	9.68299E-82	15.3685
WNT3	1.91048E-81	17.67857
CD7	4.60393E-81	-15.9878
SOST	4.87444E-81	-18.0205
HLA-F	7.2039E-81	-15.1761
VWDE	7.38582E-81	-17.2424
XRCC3	2.20212E-80	-13.5152
ZNF528-AS1	6.27508E-80	-19.0803
IL12RB2	7.67106E-80	-11.6455
CCNP	8.65187E-80	-14.9309
LOC105372558	9.80324E-80	15.17947

NKX2-4	9.80324E-80	15.17947
LINC00354	2.16072E-79	13.48666
TRPM5	4.53898E-79	-12.942
ALX1	4.85718E-79	-12.1391
KCNQ5-DT	5.25699E-79	-16.5091
ZNF890P	5.47004E-79	-18.1645
ZKSCAN7-AS1	7.74487E-79	13.87309
ARHGEF33	1.28553E-78	16.12878
LOC375196	1.28553E-78	16.12878
MPPED2	2.17781E-78	-12.3309
NOTCH4	3.08662E-78	-16.4041
RYR2	7.0907E-78	14.66412
TIMM13	8.3636E-78	-10.6164
NOTUM	1.29283E-77	-14.061
BAALC-AS2	1.30996E-77	-17.4935
SLC38A11	1.73115E-77	-20.7799
EFR3A	1.73115E-77	-22.4444
SVEP1	1.79239E-77	-10.2538
IL34	3.01065E-77	-15.2942
ABCC9	3.15561E-77	10.01133
APCDD1L-DT	4.46903E-77	16.42947
NMNAT2	5.16789E-77	17.94253
GALNS	8.30061E-77	-11.9735
STOX2	1.22215E-76	-20.2952
BCAT1	2.112E-76	13.24016
KRTAP12-1	2.251E-76	-19.1322
LOC105375992	2.29939E-76	19.8162
ELAVL2	2.29939E-76	19.8162
NWD2	3.88394E-76	-20.2575
ZNF280A	4.91539E-76	-22.7172
GRM1	4.98752E-76	12.36414
ZNF329	7.27467E-76	18.77174
ZNF571-AS1	1.05891E-75	12.5093
ZNF540	1.05891E-75	12.5093
SAPCD1-AS1	1.43279E-75	-11.9015
TSHZ3-AS1	1.45641E-75	-16.8067
ZNF154	1.4734E-75	13.97683
TEN1-CDK3	2.28841E-75	-12.8819
PCDH17	2.49161E-75	19.77719
ACP5	2.55268E-75	-10.3819
CCDC154	2.79572E-75	-15.5657
TSLP	4.94088E-75	11.50994
SHANK1	5.00533E-75	-17.6175
EPS8L2	5.82262E-75	12.13864
GALR1	6.77949E-75	-14.1367
LRFN5-DT	1.16228E-74	12.64018
LINC01381	1.43898E-74	17.24487
ARHGAP27P2	1.84131E-74	10.90319
NGFR-AS1	2.47719E-74	-18.5791
CNTN2	7.97316E-74	-16.2574
ANKS1B	1.36953E-73	18.52469
ZNF804A	1.74492E-73	13.79388
LINC02587	2.20487E-73	10.86611
RSPO2	3.65782E-73	-11.7164
MT1JP	8.47092E-73	12.84681
RELN	8.47278E-73	12.67538

NKAPL	1.19628E-72	10.50861
SOX1-OT	9.29186E-72	16.59961
ACSF3	1.07713E-71	15.49838
CNGA3	1.72013E-71	14.52705
KCNQ2	1.73659E-71	-11.4515
MIR4520-2	1.87906E-71	17.40089
MIR4520-1	1.87906E-71	17.40089
SLC16A12	2.06807E-71	-18.638
DUSP22	2.32786E-71	-10.3897
LOC102723922	2.32786E-71	-10.3897
CIBAR1	3.19102E-71	-23.7398
CIBAR1-DT	3.19102E-71	-23.7398
TACR3	3.29301E-71	-12.6425
PDGFA	3.35688E-71	12.22627
UCN	4.03611E-71	10.1682
GRIN1	5.49979E-71	-16.7169
EHMT1	6.91348E-71	-12.275
LOC651337	6.91348E-71	-12.275
STK19	8.14619E-71	-14.3072
DXO	8.14619E-71	-14.3072
SHANK2	1.27916E-70	10.46706
HIF3A	7.97461E-70	12.02544
MAPT-AS1	9.6683E-70	-13.7388
SNX32	2.223E-69	-15.2291
DOC2GP	2.78307E-69	13.37325
MIR4297	4.269E-69	-15.2145
EBF2	4.52657E-69	-11.2422
PF4V1	1.24732E-68	-14.1129
TLX3	5.64626E-68	17.12481
ZNF556	1.6174E-67	-15.4272
TAFA5	1.81721E-67	-10.2957
PEX5L	5.00092E-67	11.70676
NALCN	1.0112E-66	11.74851
JRK	1.04272E-66	-10.3615
HS6ST1	1.73405E-66	-15.0676
KRTAP5-5	1.81746E-66	-13.2508
SPHKAP	2.5434E-66	11.31368
CD8A	2.62717E-66	-14.8786
CMIP	7.90995E-66	-18.8127
LINC02904	1.65665E-65	-13.0708
ITIH5	2.45567E-65	-15.501
LINC02106	3.34818E-65	-10.7461
CR1L	3.79728E-65	14.13353
SLC16A1	4.00393E-65	15.3759
MIR6731	9.71567E-65	-18.3586
HYPK	1.78244E-64	-15.7127
ELL3	1.78244E-64	-15.7127
SERINC4	1.78244E-64	-15.7127
GLI3	1.78302E-64	-13.8391
XKR4	2.37709E-64	15.18159
LINC01305	5.18648E-64	10.30265
LINC02613	8.86941E-64	16.54672
CHRNE	2.02615E-63	-10.0051
LOC400553	2.11154E-63	-10.2533
ZNF418	4.54708E-63	12.44346
PYGM	6.73564E-63	-13.4372

NAA60	9.95021E-63	15.70547
ZNF597	9.95021E-63	15.70547
PRKCB	1.21817E-62	11.12679
MST1	2.0418E-62	10.59046
CERKL	4.8477E-62	18.75375
NEUROD1	4.8477E-62	18.75375
MSC-AS1	5.97962E-62	15.14606
MSC	5.97962E-62	15.14606
MIR10A	6.76057E-62	-17.9794
HERC5	7.49498E-62	-11.8649
ANKRD20A5P	9.89568E-62	-11.1943
HAS1	1.35213E-61	-14.2683
SLC25A34	1.78987E-61	-11.1083
EPHX4	1.91706E-61	-13.3981
LOC780529	3.04461E-61	12.67816
ALOX12P2	6.16878E-61	-15.0134
ZDHHC11	6.30829E-61	-10.6825
AGAP3	6.31897E-61	-12.9784
IQANK1	8.99751E-61	-14.8032
FAM83H	8.99751E-61	-14.8032
MEF2C	9.54452E-61	18.85116
RNF213	1.59099E-60	-20.2519
HOXA3	1.85252E-60	-17.6941
TENM3	1.92919E-60	10.50346
TENM3-AS1	1.92919E-60	10.50346
GABRG3	2.27467E-60	12.56362
HOXA-AS3	2.29297E-60	-12.093
SFT2D3	2.74692E-60	-10.0223
PDX1	3.24759E-60	-15.4272
RASAL3	8.91373E-60	13.32619
PERM1	1.58993E-59	-12.596
PARD6G-AS1	1.61276E-59	-10.3725
ZNF568	2.81593E-59	20.48539
SBF1	2.9667E-59	-11.1705
CHRNA4	3.53304E-59	16.14682
KRBOX1	5.48853E-59	10.86342
PIK3CD	6.45092E-59	-18.5101
ATP6V1C2	9.53523E-59	-10.0541
GFRA1	1.18198E-58	13.11944
PRKG2	1.50499E-58	-12.4576
DEFB135	1.57393E-58	-22.1125
CACNA2D4	1.64934E-58	-17.6621
ZFP82	2.78268E-58	12.45961
DPYSL5	3.48266E-58	-11.6159
LOC105375334	5.05791E-58	-11.8816
FBXL15	9.57261E-58	13.18213
PSD	9.57261E-58	13.18213
HOXA-AS2	1.16612E-57	-11.3424
FFAR1	1.33258E-57	-19.6229
AVPR1B	1.37652E-57	-15.6557
MEIS2	2.16255E-57	12.75525
PSMB9	2.42849E-57	-19.9648
CAPS2	2.49373E-57	-10.072
GLT8D2	2.70175E-57	-11.0029
TBC1D29P	2.73168E-57	-18.6346
CEP170B	4.87692E-57	-12.8686

ST8SIA5-DT	5.52715E-57	17.4529
ST8SIA5	5.52715E-57	17.4529
CPNE8-AS1	5.56256E-57	-10.1049
CPNE8	5.56256E-57	-10.1049
OBI1-AS1	6.49154E-57	16.58661
EDNRB	6.49154E-57	16.58661
C19orf71	1.00423E-56	-14.8457
ATP10A	1.33367E-56	11.85437
PDPN	1.7929E-56	16.21723
KCP	2.82254E-56	-13.4027
TSPYL5	3.97743E-56	12.21521
C2CD6	4.94013E-56	-14.0647
LAYN	5.31248E-56	-10.8918
MCHR2	5.70346E-56	-19.9219
MOK	8.62095E-56	-12.3675
IRX5	1.07754E-55	-16.9759
ADAP1	1.28032E-55	-11.064
IZUMO1	2.06302E-55	14.21238
MDGA1	2.34337E-55	11.36681
DBX2	2.46068E-55	-12.2861
MLXIP	2.7351E-55	12.556
AIRE	3.03599E-55	-14.5309
SLC17A3	4.85534E-55	-12.9656
FBLIM1	5.36764E-55	12.12169
B4GALT3	7.03629E-55	-11.2082
MUC5B	2.06565E-54	-11.7677
ARPP21	2.17187E-54	13.48647
LOC101929234	2.32091E-54	16.26237
KIAA0895L	2.75609E-54	10.44854
LINC00665	3.01399E-54	12.65048
SNORA10	4.10501E-54	-10.9824
SNORA64	4.10501E-54	-10.9824
IRF5	4.83738E-54	-16.2885
NPTX1	5.60039E-54	11.31153
DZIP1	6.93749E-54	11.63558
PAX1	8.11524E-54	-11.7485
STAR	1.16302E-53	-14.0047
DHX40	1.26178E-53	11.05371
IGDCC4	1.49249E-53	11.39211
ZNF578	1.51204E-53	11.52037
VCAN	1.56592E-53	-10.7901
LUNAR1	1.72106E-53	-21.4836
BRF1	1.98375E-53	-10.3778
PACSIN1	2.34032E-53	-12.4158
PCDHGA7	3.02101E-53	12.81768
ZNF528	4.47691E-53	-14.243
KCTD8	5.7454E-53	10.40894
LOC650226	6.67099E-53	12.29901
LAMP5-AS1	6.80653E-53	-11.9541
ERN2	8.47145E-53	-12.1661
FZD5	2.68187E-52	14.17813
SYPL2	3.07699E-52	13.78873
LOC729683	3.28539E-52	-20.3355
LIMD2	3.28539E-52	-20.3355
ZNF696	3.75255E-52	-18.4035
LINC01535	4.17985E-52	10.31141

GNAS	5.07986E-52	-10.5855
CAMK4	6.2031E-52	-11.4698
ZNF273	9.25477E-52	13.54383
FLT4	9.5948E-52	-14.1396
NDUFS6	1.06058E-51	-11.4558
MRPL36	1.06058E-51	-11.4558
EML1	1.12835E-51	13.12028
PCMT1	1.22022E-51	-18.8567
NTRK1	2.23831E-51	11.73732
INSRR	2.23831E-51	11.73732
KRT23	2.57965E-51	-16.8788
HRH3	3.04765E-51	12.03975
TAFA2	4.68489E-51	11.38681
LOC100128398	5.28511E-51	11.86028
CLCNKB	1.14857E-50	-15.4605
PDE4C	1.27116E-50	10.38534
MIR9-3HG	1.35479E-50	10.15906
DISP1	2.7472E-50	-17.672
AK5	3.78149E-50	-15.9899
CHID1	4.1556E-50	-12.6309
SOX2-OT	7.05521E-50	14.0705
CR1	7.76067E-50	-18.6234
PITRM1	8.26218E-50	-13.7766
LHX2	9.66368E-50	11.74675
ANKRD33	2.74856E-49	-10.3044
NOVA1-DT	4.32795E-49	14.39946
NOVA1	4.32795E-49	14.39946
C2orf74	4.35792E-49	18.02291
LOC339803	4.35792E-49	18.02291
RTP1	5.10789E-49	-20.263
DPPA5	5.93613E-49	-13.4455
SYT6	7.19663E-49	10.71468
LIMS2	7.39396E-49	-11.2417
LOC105374618	1.147E-48	12.72343
LOC105374616	1.147E-48	12.72343
LHCGR	2.28332E-48	13.7959
PAX5	3.32698E-48	12.18584
C6orf58	3.64098E-48	10.03873
SOGA3	3.64098E-48	10.03873
LINC01838	4.28069E-48	14.41208
LOC105372377	4.28069E-48	14.41208
LINC00904	4.28069E-48	14.41208
OTOS	4.32958E-48	-13.283
LHX8	4.50438E-48	12.96547
WT1	4.92225E-48	10.29302
DNAJC6	8.54075E-48	-10.823
NR5A2	1.16844E-47	10.32224
TNNT3	1.29443E-47	-11.4516
LOC101927437	2.05919E-47	10.54966
ZNF282	2.50826E-47	-10.9181
SAMD11	4.11566E-47	-12.8719
KLF17	4.64712E-47	-18.8827
SETMAR	4.80988E-47	-14.5157
MYO1C	7.4398E-47	-13.6481
SPEG	7.67539E-47	-15.5543
MIRLET7BHG	1.1291E-46	-13.2715

NHP2	1.28521E-46	-13.0464
ZBTB46	1.75761E-46	-12.6859
TSPAN32	1.83539E-46	-15.7246
C11orf21	1.83539E-46	-15.7246
ROBO1	1.96945E-46	-16.6322
PTF1A	2.89641E-46	15.8699
CREB5	3.09615E-46	-13.1745
KCNQ1OT1	3.20708E-46	-12.8863
DGAT2-DT	3.57552E-46	11.72567
MICAL3	3.94744E-46	-17.6084
BACH1	4.07715E-46	-15.614
ITGB1BP1	4.32896E-46	-19.438
TBC1D14	4.91459E-46	-10.8558
ADSS1	5.60709E-46	-14.1594
LOC105374344	5.77678E-46	11.37767
NXN	7.06429E-46	-19.5121
LGALS8	9.69836E-46	-10.4044
GPX7	1.0126E-45	-14.3149
CANT1	1.12384E-45	-14.8712
LINC00334	1.30344E-45	-11.5919
WDR97	1.34574E-45	-12.9775
ACTN2	1.5258E-45	18.40513
PRPF6	1.61958E-45	-17.4865
SAMD10	1.61958E-45	-17.4865
FOXI2	1.67166E-45	18.94598
MIR663B	1.93989E-45	12.07128
MIR8083	2.04247E-45	-10.5793
CACNG7	2.13019E-45	-12.1024
GUCA2B	2.85667E-45	-15.2157
ZFHX4	3.75718E-45	11.11461
LOC107986952	3.75718E-45	11.11461
CPLX1	3.88956E-45	-13.2173
H4C13	5.39734E-45	-11.3182
IL6	6.28289E-45	-17.4995
CYP4V2	8.08766E-45	-10.864
MRGPRE	8.20986E-45	-11.7469
DAW1	8.45542E-45	10.60313
ZNF649-AS1	9.54511E-45	12.95811
ZNF577	9.54511E-45	12.95811
EMX2	1.52879E-44	13.92006
TMEM178B	1.54933E-44	-10.2005
CCDC185	1.90245E-44	-15.6403
NKX3-1	2.22395E-44	-14.0868
ZNF709	2.29284E-44	10.31039
SFMBT2	2.35542E-44	15.35454
TMEM105	2.43082E-44	-11.6931
SCN4B	3.25193E-44	-17.4809
RIMKLB	3.70136E-44	-17.9128
FEZF1	4.4239E-44	-10.0467
ARHGAP20	4.70686E-44	-11.2785
CYP1B1-AS1	5.22701E-44	12.48067
CYP1B1	5.22701E-44	12.48067
CCDC8	9.97813E-44	12.39773
ZNF880	1.13483E-43	15.96489
ABCA7	1.13983E-43	-13.9721
ZNF560	1.16108E-43	11.82947

LINC02706	1.47147E-43	-12.5646
DPY19L2P1	1.69741E-43	-12.2293
PTPN20	3.14445E-43	10.93219
PLPPR3	4.35333E-43	-15.4225
PPP2R2C	4.47182E-43	-12.5445
NLRP6	4.52836E-43	-11.0919
CPT1C	5.04175E-43	-11.7928
LOC105374988	5.35053E-43	11.81317
NAGK	6.45362E-43	-13.9115
SHANK3	1.2592E-42	-10.0641
PLEKHG4B	1.33848E-42	-10.5794
PYCR1	1.59789E-42	-12.8393
LOC105373085	1.83839E-42	-15.0223
SLC38A4	1.98408E-42	16.12188
MIR3185	2.04949E-42	-12.7361
TMED11P	2.15027E-42	-14.7047
PTGS2	2.26972E-42	-20.8058
NDRG4	2.33238E-42	10.03783
DMRT2	2.36616E-42	11.84799
ROBO2	3.66818E-42	-13.4041
CCDC134	3.98116E-42	-15.3808
LRFN5	1.31437E-41	-10.8069
TAS1R1	1.32826E-41	-11.8502
NOL9	1.32826E-41	-11.8502
AGAP1	2.32042E-41	14.66216
CDH18	2.32664E-41	13.68367
GSX1	2.87096E-41	17.08158
LINC00237	3.57508E-41	13.90151
SYT3	3.62928E-41	10.55999
HGS	4.42428E-41	-10.9916
ATXN8OS	5.39757E-41	11.74864
DPP10	6.25907E-41	14.48441
LOC107985937	6.25907E-41	14.48441
DPP10-AS1	6.25907E-41	14.48441
RGS22	8.07904E-41	16.33794
LINC01414	1.08177E-40	12.9269
UPK1A	1.29474E-40	-14.4552
SYCE1L	1.44393E-40	11.97199
LOC107984273	1.59289E-40	10.91697
VSX1	2.00555E-40	10.82479
PPFIA2	2.23087E-40	-10.937
PDYN	2.96868E-40	-11.6103
LIPE	3.35007E-40	-13.6888
YBX3P1	3.76725E-40	10.35505
SRRT	4.70781E-40	-10.2812
DPPA3	4.9365E-40	-14.9547
LINC02440	8.61985E-40	12.44188
PRR36	1.07975E-39	10.78365
ESRRG	1.71409E-39	12.32843
TRPC4	1.7441E-39	13.95826
OPRL1	1.96966E-39	-14.1091
LKAAEAR1	1.96966E-39	-14.1091
PDE6B-AS1	1.98528E-39	-13.2339
LINC00917	2.16242E-39	-12.0022
C14orf39	2.29627E-39	18.62837
BRINP1	2.32145E-39	-12.8937

SMIM43	2.58407E-39	11.70548
SDC2	2.89895E-39	-10.1193
PAX8-AS1	3.5476E-39	-15.4998
LOC107984226	4.56103E-39	-11.9769
STAB1	5.34248E-39	-11.9273
DKK2	8.48439E-39	10.08805
MGRN1	9.6076E-39	-11.6562
PXDN	1.03592E-38	-17.2452
ZDBF2	1.20802E-38	12.60323
CYP7B1	1.2878E-38	14.67595
HCG4	1.44025E-38	10.02002
SLC18A3	1.71116E-38	11.0132
LOC283683	1.83788E-38	12.35881
HID1	1.84114E-38	-13.5403
LOC441666	1.95317E-38	-13.6465
SLC6A1	2.47643E-38	-10.8587
LCN10	2.99203E-38	-11.0103
LCN6	2.99203E-38	-11.0103
LOC105372473	3.76487E-38	10.37744
KRT83	4.0376E-38	-12.7103
LPCAT1	4.16307E-38	-10.0645
LINGO1-AS1	5.21705E-38	-16.1733
CHRM2	7.12449E-38	13.71923
DMRT1	7.96196E-38	13.19561
CRISPLD2	8.02849E-38	-11.0655
TMEM179	9.74984E-38	12.98262
CATSPER1	1.31266E-37	-12.2393
HSF4	1.96461E-37	-10.8935
CTRB1	2.38881E-37	-11.1971
DPP6	2.51629E-37	14.49111
MAP7D1	3.64958E-37	-12.7079
GRB10	4.04408E-37	-10.0381
JAKMIP3	4.17337E-37	-13.1278
RGS7BP	4.68421E-37	-14.6064
GPR156	6.13065E-37	12.06145
ANO7L1	6.18693E-37	-10.4842
GLB1L	6.42397E-37	-11.5865
FAM83C	6.75065E-37	-14.0613
GFRA2	6.95857E-37	-11.1959
ANKRD34C-AS	1.16986E-36	12.255
NELL1	1.3567E-36	10.93255
TCL1A	1.51648E-36	-13.5686
ESRP2	1.5646E-36	-10.4548
PM20D1	2.03385E-36	12.33648
ZNF628	3.17193E-36	10.3702
HLA-V	3.87917E-36	10.0012
SRD5A2	4.9276E-36	10.4348
MARCHF1	5.26257E-36	12.81956
LAMA5	7.07839E-36	-11.0453
MIR377	7.24108E-36	-13.1236
ZNF835	7.97223E-36	10.55411
NDUFA3	1.15409E-35	-15.7916
MYO1G	1.43223E-35	12.63988
FAM83A	2.9507E-35	-10.1086
FGF12-AS2	3.27698E-35	14.29459
KCNA4	3.33474E-35	10.94629

PABPC3	3.43898E-35	10.91661
SMG1P2	3.75387E-35	-11.8834
DCPS	4.11938E-35	-14.8028
RIMBP2	5.50167E-35	-10.9281
LOC100289333	8.55351E-35	-12.1117
WWTR1-AS1	8.81446E-35	-10.4289
KCND2	1.07246E-34	-14.3776
HSD17B14	1.19699E-34	11.84531
SLC45A4	1.57861E-34	-15.1581
L3MBTL2-AS1	1.72653E-34	-11.4729
CACNG1	2.25447E-34	-13.1433
SGCA	2.81601E-34	-12.9004
H1-9P	2.81601E-34	-12.9004
ELAVL4	3.77231E-34	-10.3603
DDAH2	3.87134E-34	-10.1729
ZNF542P	4.52072E-34	11.11726
SNTG1	5.20535E-34	11.54571
PSEN1	5.21774E-34	-12.3734
SLC16A1-AS1	5.31984E-34	12.05886
ZNF625-ZNF20	7.40708E-34	-11.2068
ZNF625	7.40708E-34	-11.2068
S1PR3	7.44411E-34	13.08742
CDH8	9.34096E-34	11.53848
MCAM	1.04395E-33	-10.6007
CDH6	1.38607E-33	-10.888
HOXC5	2.65672E-33	-10.5631
MIR615	2.65672E-33	-10.5631
LOC105373526	2.72709E-33	10.33495
C1QB	2.94178E-33	-13.5389
LPGAT1-AS1	3.10862E-33	-18.1008
SERPINB5	4.69113E-33	-10.8651
RNF126P1	4.92991E-33	11.10844
PCDH15	6.44089E-33	11.02237
TMPRSS6	8.31548E-33	-12.0299
ATP2B2	9.39928E-33	-15.8366
IRF4	1.06141E-32	10.65578
LOC101927855	1.33322E-32	-10.1356
MYT1L	1.80086E-32	-12.2543
SLC6A6	2.00171E-32	-14.4335
LYPD5	2.9999E-32	-19.115
LINC00461	5.38142E-32	13.06229
A2M-AS1	5.83341E-32	-10.6951
LINC00612	5.83341E-32	-10.6951
STK24	6.22582E-32	-11.8142
AQP2	6.4471E-32	-17.1596
LOC649352	8.21114E-32	-11.0856
LINC00857	8.54984E-32	-15.1736
CHST10	1.07231E-31	-13.6736
CLPSL1	1.27571E-31	-11.9934
LINC00485	1.3159E-31	13.49407
ANKRD36BP2	1.37585E-31	10.27379
ANK1	1.75451E-31	-12.2723
SNRPF	1.78634E-31	17.22023
PICSAR	1.88998E-31	-11.8189
SCARF2	1.90749E-31	12.23015
TCF15	2.95859E-31	-13.7084

GNA12	3.77544E-31	-10.0233
MDFIC	4.12838E-31	-10.1959
CLEC20A	5.40106E-31	-10.0837
MIR3195	5.46837E-31	-10.6866
TAF4	5.46837E-31	-10.6866
KDM2B	6.56511E-31	-11.631
RNF111	7.86644E-31	11.10713
FLRT2	8.21193E-31	10.78406
LOC100506731	8.21193E-31	10.78406
ACOT7	8.23998E-31	-11.9339
EFL1P1	8.36906E-31	-13.5767
DEFB123	9.76517E-31	-19.8572
ST6GALNAC4	1.26492E-30	-11.9344
MKRN3	1.29917E-30	-11.5755
KRT78	1.70089E-30	-12.8305
BTBD19	1.72588E-30	10.8801
KRT42P	3.01406E-30	-10.7377
GPRC5D-AS1	3.15772E-30	-17.8186
GJD4	3.21037E-30	-13.2559
TCF23	3.43067E-30	-11.2581
MYOZ3	3.94619E-30	-14.9056
LTBP3	4.0109E-30	-10.8498
LOC107985038	5.05093E-30	-10.3395
LOC105374901	6.02345E-30	-15.3502
PXMP2	8.02977E-30	-11.9042
GJD2-DT	8.62721E-30	-11.9449
ICMT-DT	8.9206E-30	-11.6541
HOXA5	1.18311E-29	-12.0233
GSTA4	1.21003E-29	-12.4379
TBC1D27P	1.33939E-29	-11.362
UICLM	1.55703E-29	-10.9953
KCNIP2	1.66368E-29	12.45085
LOC644554	1.7727E-29	14.03797
ZNF573	1.7727E-29	14.03797
LOC105372394	1.7727E-29	14.03797
GNAO1-AS1	1.94113E-29	10.45175
INF2	2.6089E-29	-11.162
EPHA4	4.21138E-29	-11.2482
APOA4	4.4659E-29	-13.4471
THBS4-AS1	5.56152E-29	-11.4761
KCNC2	7.3215E-29	11.86716
BAIAP3	7.65722E-29	-10.4379
LOC100507560	8.44246E-29	-11.1313
KCNA1	8.44246E-29	-11.1313
SLC6A18	9.3307E-29	-10.9299
AJAP1	1.33666E-28	-12.0011
TEX19	1.91255E-28	-10.1583
PAK6	2.15705E-28	-13.0185
APOA1-AS	2.33668E-28	-11.4101
SLC34A1	2.62307E-28	-14.8207
IRAG1	2.65082E-28	-10.5701
DNAH2	3.27172E-28	-15.508
SNORA71E	3.99619E-28	-13.6052
SNHG11	3.99619E-28	-13.6052
SLC44A2	4.48789E-28	-10.7199
PRSS57	5.04042E-28	-10.6518

LINC02414	7.04866E-28	-12.1018
SLC66A1L	7.45927E-28	-12.0521
NRN1L	7.54393E-28	11.24236
LTBR	8.23514E-28	-10.5947
ASB1	8.60135E-28	-10.0997
KRTAP12-3	9.12877E-28	-11.0475
MIR193B	1.08469E-27	14.52536
RIPPLY3	1.10008E-27	12.15627
LOC107985911	1.23746E-27	-10.1779
LINC02179	1.52139E-27	-11.2702
LIMCH1	1.82042E-27	-13.8294
SLC25A10	1.94415E-27	-10.0733
TRIT1	2.34684E-27	-14.5793
LRAT	2.60331E-27	12.46095
SPATC1	2.64185E-27	-12.9792
TMEM163	3.92082E-27	-14.2646
IQCA1	4.16784E-27	10.04874
TLX1	7.21775E-27	-11.4209
MAP3K9	7.68031E-27	-14.8414
HS3ST4	8.55702E-27	-11.1846
ZBTB11	9.80348E-27	-10.8896
PSORS1C2	1.06894E-26	-17.7919
SLC43A3	1.2578E-26	-12.8065
ANP32C	1.53182E-26	-11.6028
ARMH1	1.79197E-26	-16.902
MIR6765	2.0934E-26	-10.343
CDIPTOSP	2.27555E-26	-14.2435
CDIPT	2.27555E-26	-14.2435
NPPA	2.62536E-26	-11.6411
QPCT	2.67006E-26	-11.6775
LOXHD1	2.87907E-26	-10.3224
PPP1CC	3.48496E-26	-11.7066
MIR136	3.51191E-26	-10.6687
DIXDC1	3.64951E-26	-10.6313
LYST	3.97342E-26	-14.901
HMGCLL1	4.9054E-26	-10.4093
SLC27A6	6.22797E-26	-11.408
FBN2	6.22797E-26	-11.408
MIR5587	6.5626E-26	-12.0529
UBLCP1	7.1553E-26	-12.2671
CFAP77	9.3068E-26	-10.6603
MGARP	1.20102E-25	-13.951
SNORD115-39	1.51676E-25	-11.5758
LOC102723672	1.59684E-25	10.77932
CFAP100	2.5346E-25	10.97873
ADAMTS9-AS2	3.59004E-25	10.25792
CAPN12	4.16854E-25	-12.985
KHDRBS2	5.57154E-25	11.95674
MAP4K1	5.80432E-25	12.80817
ERG	8.4808E-25	10.50765
LTF	9.67616E-25	10.35968
ARPC1B	2.10083E-24	-10.6561
ZNF295-AS1	2.24385E-24	-13.2941
LOC107985502	2.24385E-24	-13.2941
CHL1	2.51E-24	-16.3048
C5orf47	2.7953E-24	11.366

TRPC6	3.01525E-24	14.76062
EFEMP1	3.20255E-24	14.38358
SLC52A2	3.321E-24	-10.1595
TMEM249	3.321E-24	-10.1595
UQCRQ	4.13334E-24	-13.864
LBH	4.85566E-24	13.10764
MIR487B	5.56703E-24	-11.0104
LONRF2	6.94835E-24	-11.1093
CALML6	7.68436E-24	-10.3158
RBFOX1	7.68572E-24	12.27904
SH2B1	1.79522E-23	11.1723
TLE2	1.81525E-23	10.14348
GABRB3	2.29566E-23	-13.0748
RELA-DT	2.50539E-23	-11.3161
LOC105375614	2.83663E-23	-16.7482
ZNF782	2.95444E-23	-10.3338
ZNF729	3.22966E-23	10.75081
LINC02579	3.86111E-23	-13.5937
CFAP251	3.91411E-23	-10.9786
TWIST1	4.18497E-23	10.03685
RLN3	4.23286E-23	-10.0998
CCDC88B	4.52133E-23	10.51706
C16orf92	5.8394E-23	-12.9715
LINC00226	6.66541E-23	-10.2448
ELN	6.973E-23	-11.9446
MYLK2	7.52872E-23	-10.0405
EVC	9.26821E-23	-14.0947
TMEM270	9.79472E-23	-10.2888
ZNF148	1.03178E-22	-11.404
NFRKB	1.11572E-22	-17.4279
AMZ1	1.31592E-22	-11.3682
HAGLR	1.38698E-22	10.91739
CYP2E1	1.49261E-22	-11.7059
ASCC1	1.72565E-22	-14.5524
PHF14	2.35651E-22	-11.7779
LILRB3	2.51946E-22	10.06371
RCN3	2.53703E-22	15.15546
RIMS3	2.58023E-22	-11.3279
GRAMD1B	2.62018E-22	-10.1003
CYGB	3.39817E-22	-10.5389
HAPLN4	3.70439E-22	-10.0538
RNF207	4.52135E-22	-13.2142
FAHD2CP	4.72626E-22	-12.6942
SEZ6	5.115E-22	-13.2263
B3GAT2	7.15187E-22	11.8557
MYF5	9.85083E-22	11.15086
TNFAIP8	1.00008E-21	-10.8023
FAM242C	1.00191E-21	-13.4092
LRRFIP1	1.34582E-21	-15.021
ELMOD1	1.91645E-21	12.51623
EIF2B3	2.27302E-21	10.33232
GLB1L2	2.9552E-21	-13.8732
SCTR	5.61985E-21	-10.0971
MAFA-AS1	7.843E-21	-13.1598
FSD1	9.51067E-21	-15.736
CHDH	9.75112E-21	-12.2997

SERPING1	9.89563E-21	-12.2778
HOTAIRM1	1.1001E-20	-11.2844
IQCN	2.10008E-20	-12.0687
NPPB	2.23792E-20	-10.0656
C9orf50	2.94618E-20	10.3327
CXCL12	3.07395E-20	11.26722
C1QTNF12	7.27187E-20	-10.0018
KAT6A	7.38865E-20	-11.6273
USP36	9.71963E-20	-13.0222
LOC107984948	1.02611E-19	-12.6623
FAM169A	1.73793E-19	-10.9581
DRAIC	2.81774E-19	-13.1511
TM4SF1-AS1	2.98833E-19	-15.1695
PAEP	3.48046E-19	-12.8237
PALM	3.94493E-19	-13.0787
IFFO1	5.73249E-19	-10.1899
CCDC162P	6.30181E-19	-11.1543
MAL	9.8026E-19	10.21027
SPRTN	1.33006E-18	-11.1797
FUZ	1.49641E-18	-12.4472
BOLA3	1.61314E-18	10.65657
PPP6R1	2.22217E-18	17.04764
ST6GALNAC6	2.27274E-18	-11.6079
HTR1E	4.89234E-18	-12.3322
MIR5691	5.96678E-18	10.71258
CNPY4	6.88577E-18	-11.6227
KCNS3	6.9433E-18	11.28033
CUX2	1.08114E-17	10.70218
MIEF2	1.13061E-17	-11.1776
LOC100129534	1.2205E-17	-10.69
LOC441242	1.45563E-17	-15.2979
PCDHA10	7.26355E-17	-10.1162
TRIM31	8.69404E-17	-10.5878
GH2	9.27263E-17	-12.934
LOC105372383	1.20607E-16	10.15669
MFN2	1.32287E-16	-10.2053
FBLN7	3.45304E-16	11.23735
GTF3A	3.84757E-16	-15.2468
GFPT1	4.72904E-16	-10.9499
SNAI1	5.05961E-16	-11.6593
GUCA1A	1.40559E-15	10.8315
FRY	1.59853E-15	-10.5844
EEF1DP3	1.59853E-15	-10.5844
RBMS3	2.87337E-15	-12.5661
AFF3	3.07423E-15	-10.8916
LOC107986790	3.16727E-15	-10.3732
FOXI3	3.28852E-15	11.62415
STK10	3.40727E-15	-10.3486
DNAJC27-AS1	6.61165E-15	-10.7942
HMCES	6.82006E-15	10.49743
MST1L	1.38975E-14	11.67815
ECEL1P2	2.01219E-14	10.22053
PRPSAP1	4.82117E-14	-12.9453
RASSF1	6.07343E-14	-10.2759
SLC7A9	7.38988E-14	-11.6349
SPART-AS1	7.70292E-14	-11.1139

SPART	7.70292E-14	-11.1139
ITPRID1	8.27723E-14	-11.4922
LUC7L	9.67082E-14	-10.4471
NCAN	1.49307E-13	12.72129
IRAK3	1.73462E-13	10.48479
RALYL	2.27508E-13	-11.5347
SNURF	2.41036E-13	-10.9609
SNRPN	2.41036E-13	-10.9609
SNHG14	2.41036E-13	-10.9609
KNSTRN	2.86641E-13	-10.3082
MEOX2	6.67435E-13	10.13471
HAPLN1	2.24291E-12	-10.2691
OTUD3	2.81396E-12	-10.0369
GPX5	9.90894E-12	-13.8318
KIF1C	1.68678E-11	-11.2511
PDZRN4	5.66927E-11	-10.069
PTX3	7.5382E-11	-10.0836
NFIA	9.62504E-11	11.12481
TRAM2-AS1	2.13047E-10	-10.0863
MOB3A	1.84601E-09	10.23562
ST8SIA3	2.37192E-09	10.58492
TPM4	3.65457E-09	-11.0233
LINC01756	4.884E-09	-10.9574
PLEKHA4	6.00908E-09	-10.5522
RECK	4.94252E-08	-10.1475

Table S11 Differentially methylated regions between low grade colorecal cancer and normal contorls

Symbol	qvalue	meth.diff
PRKCZ	0	39.32366449
MAP10	0	19.53541355
LOC101927851	0	-31.50932534
UCN	0	37.30313028
LBX2	0	28.71690144
ZSWIM2	0	28.17811106
GRM7	0	33.47775567
CFAP44	0	32.40033943
LRBA	0	41.73627198
RXFP3	0	25.31256196
CDO1	0	30.49345104
SLC27A6	0	23.6495944
TCF7	0	31.17736151
PCDHGA8	0	29.68031898
PCDHGC4	0	30.36132388
TLX3	0	31.6040872
H3C6	0	38.4599733
SAPCD1-AS1	0	48.38428099
HLA-DPB1	0	45.26283584
HLA-DPA1	0	45.26283584
ATP6V0CP3	0	43.62691617
SPATS1	0	18.60550826
SIM1	0	36.47019256
RSPO3	0	31.9327429
LOC105377993	0	31.9327429
LOC105377989	0	31.9327429
VSTM2A	0	28.2256392
STAG3	0	29.79759648
GPC2	0	29.79759648
NEFM	0	23.75379305
RBPMS	0	32.77077834
PENK-AS1	0	32.6866471
PENK	0	32.6866471
VXN	0	32.32437636
ADHFE1	0	32.32437636
LOC102724687	0	32.32437636
PLEC	0	38.18996952
DNAI1	0	38.26821671
SPAG6	0	30.9546944
PCDH15	0	33.17570338
SEC31B	0	37.48642062
TLX1	0	33.85325082
GFRA1	0	31.35311637
RNH1	0	37.70793008
RIC3-DT	0	21.86941087
RIC3	0	21.86941087
FGF3	0	25.1455506
LOC100128494	0	34.18835373
NUMA1	0	34.18835373
LOC100507560	0	31.4639945
KCNA1	0	31.4639945
HOXC-AS1	0	26.3658841

TRHDE	0	35.28751059
TRHDE-AS1	0	35.28751059
USP44	0	35.32829522
CHFR	0	32.63834265
GRK6P1	0	44.23455983
PCDH8	0	28.54800895
NALCN	0	35.57306791
LINC01551	0	33.80499442
ZNF75A	0	23.19251644
TIGD7	0	23.19251644
CMIP	0	31.90061121
CYTH1	0	45.86527954
KCNN4	0	43.82889042
DM1-AS	0	37.27292512
ZNF350-AS1	0	30.65153165
ZNF135	0	43.74517051
ZNF132	0	31.34912155
VSX1	0	39.38842283
ZNF334	0	38.30718534
MIR124-3	0	32.43815395
PBX1	6.71929	36.45229567
LINC01230	6.71929	33.9961278
FOXC2	6.71929	25.88797937
TNFRSF8	1.22532	18.088746
ZNF790-AS1	2.82438	31.10321575
OBI1-AS1	8.20815	27.01069597
EDNRB	8.20815	27.01069597
ADAMTS5	3.65607	34.81650561
ZNF229	0	24.25628747
CCDC17	4E-308	36.79112155
NID1	4E-308	24.80420473
LRRC4C	1E-307	31.38818868
PCDHGB4	1E-306	32.71537751
INPP5D	2E-303	-43.07950701
HAND2-AS1	2E-302	23.63483759
HOXA2	3E-302	35.64955994
FGF14	3E-300	27.77373737
FEZF2	4E-300	27.71388266
MAGI2-AS3	8E-299	43.56685514
MAGI2	8E-299	43.56685514
TBX18	4E-298	21.67369671
BCL3	5E-297	24.45491041
GNAO1-AS1	2E-296	19.11092718
ZNF571-AS1	3E-296	35.07108331
ZNF540	3E-296	35.07108331
WRAP73	7E-294	28.11465016
PCDHGA11	3E-293	34.54489297
H2BP2	4E-292	26.66894402
H3-2	4E-292	26.66894402
LTB4R	4E-292	23.42275272
CIDEB	4E-292	23.42275272
LINC00461	4E-290	34.98148945
SLC17A7	1E-289	24.26914627
HLA-V	2E-289	34.21111303
PHF19	6E-289	41.45007767
HSF4	3E-288	31.27358102

DEFB135	3E-288	-41.02350917
LOC107987187	7E-287	27.01774268
LRFN5	1E-285	33.95050104
LOC105371209	6E-285	46.50218727
SPIRE2	7E-284	-27.52277918
FANCA	7E-284	-27.52277918
TFPI2-DT	4E-283	31.93188084
TFPI2	4E-283	31.93188084
MSC-AS1	1E-282	33.82345921
SOX1-OT	5E-282	47.10642654
MIR3195	6E-282	44.68521993
RNF220	1E-281	32.73937976
LAYN	3E-281	38.15152971
CLP1	1E-280	26.97688677
FBLIM1	1E-279	38.13031257
CDH8	2E-279	29.19202301
MEIS2	1E-278	36.70912533
ZSCAN18	2E-277	17.54456533
SOX2-OT	1E-276	24.0205805
RUNX3	4E-275	34.41081254
ORAI3	1E-274	32.39111804
TMCO3	3E-274	38.50120315
LRFN5-DT	2E-273	28.16779302
LOC105374996	9E-273	32.06530688
MIR4435-2HG	2E-271	39.40467591
GHSR	4E-271	35.53019335
GNAO1	1E-270	21.1839126
GNAO1-DT	1E-270	21.1839126
MTSS2	1E-270	33.96248082
LBX1-AS1	4E-270	26.97137459
GALNT9	3E-269	-36.23756129
LTBP3	6E-269	-27.30101251
ARHGEF39	2E-268	32.7385805
ZSCAN12P1	5E-268	27.91004943
LINC01248	2E-267	23.6404509
HSPA7	4E-267	34.51870296
AKR1B1	1E-266	15.42327567
DDAH2	3E-265	26.39406516
BMP4	1E-264	33.2650148
DRAIC	2E-264	-30.59936396
GSTA4	4E-264	39.21592055
LOC107984886	1E-262	38.6719823
SALL1	1E-262	38.6719823
ADAMTS20	6E-262	35.93670153
SST	7E-261	32.48819224
ZNF879	1E-258	18.32272442
ATP4A	6E-258	34.26553131
LINC01231	6E-258	21.86065489
TAC1	7E-258	26.93852546
A1BG	1E-257	29.75520005
LAIR1	2E-257	-30.35999782
LINC01535	3E-257	28.4984725
NLGN1	6E-257	15.60880702
PTPRS	8E-257	28.96765866
LOC107987270	9E-257	29.29575238
C8orf34	2E-256	31.17923098

PCDH10	2E-256	30.24066068
PCDH10-DT	2E-256	30.24066068
TNFSF11	1E-255	30.41672567
RSPO2	6E-255	27.27312447
ZNF418	2E-253	35.63828237
ZNF578	4E-253	29.21083368
SLC6A2	5E-253	26.27590662
SNX32	6E-253	32.98399003
ARHGAP27	3E-252	37.95578008
COL24A1	7E-251	20.74438321
SNTG1	2E-250	30.74226125
DKK2	4E-250	31.40058751
HBM	1E-249	20.91488479
IFITM1	5E-249	-23.69287141
LOC105370802	1E-248	30.50318524
ACSS3	2E-248	27.36240911
SIM2	4E-248	22.46376853
LYNX1-SLURP	1E-247	23.80013945
LYNX1	1E-247	23.80013945
SPHKAP	6E-247	35.3329884
AMT	1E-246	27.690925
HSD17B14	4E-246	35.2134043
FLRT2	8E-246	25.9068112
LOC100506731	8E-246	25.9068112
SERTM1	2E-245	31.79969369
DPY19L2	3E-245	14.76468537
DLX6	4E-245	33.87918818
KCNN2	1E-243	29.9804241
PAUPAR	6E-243	32.17609187
LCAT	2E-242	49.504967
ADCYAP1	4E-242	32.5960579
SCAMP4	3E-240	-27.8444229
ZNF415	7E-240	25.3786206
ARL10	3E-239	36.47244023
MIR9-3HG	5E-239	33.20866973
F7	6E-239	49.55979496
AVPR1A	1E-238	29.21012713
SLC12A4	1E-238	30.74851366
CCNA1	2E-237	24.31857996
ZFHX4	4E-237	32.15469679
LOC107986952	4E-237	32.15469679
OTP	2E-236	26.1970836
NELL1	1E-235	38.29411279
DPY19L2P1	2E-235	24.87028613
SUN1	5E-235	30.5977598
LOC107985038	7E-235	37.23048202
PYCR1	8E-235	-31.2916766
DBX1	4E-234	31.14375804
PLD5	4E-234	33.12080537
MKX	6E-233	23.65823621
SLC6A15	9E-233	21.63739265
CNTNAP5	1E-232	36.1413059
FOXG1	2E-232	24.20089138
FOXG1-AS1	2E-232	24.20089138
BEND4	1E-231	24.64555048
LINC02418	3E-231	31.40109622

ZIM2-AS1	2E-230	26.73966281
HDAC9	2E-230	25.59224839
CIT	7E-230	37.66990548
SEPTIN9-DT	2E-228	-24.06312575
PHF24	2E-228	30.75329822
IL12A-AS1	2E-227	32.59156968
PCDHA13	2E-226	30.15597431
RASGRF1	4E-226	22.83279877
GRID1	6E-226	20.94127852
ZNF625-ZNF20	1E-225	24.22819612
ZNF625	1E-225	24.22819612
FBN2	7E-225	26.9307846
LYN	2E-224	25.93171922
WDR86-AS1	5E-224	-33.53621611
LINC02613	9E-224	32.29935745
PSMB9	1E-223	-39.24699769
ANKRD23	4E-223	30.5134014
ANKRD39	4E-223	30.5134014
ALX4	2E-222	31.76890977
LINC02110	7E-222	27.86070736
GDNF-AS1	7E-222	27.86070736
GDNF	7E-222	27.86070736
ITGA4	8E-222	21.87217625
GAL3ST3	9E-222	28.79616864
ZNF781	5E-221	13.31882631
GRIA4	1E-219	25.80426066
LINC01356	3E-219	-37.00100398
NPTX1	3E-219	34.23017594
MGRN1	3E-218	-27.33941324
THCAT155	1E-217	25.76503801
S100P	2E-216	-39.95705063
LOC388282	4E-216	-31.11835664
KIFC3	4E-216	-31.11835664
CTNND2	5E-216	34.61230017
EGFR	5E-216	22.9685394
PLXNB2	7E-216	-28.28091155
COL25A1-DT	3E-215	26.38523288
COL25A1	3E-215	26.38523288
IGF2-AS	6E-215	27.83128406
RABL6	8E-215	23.99344404
MEIS1	1E-214	22.55689438
SLC12A5	4E-214	25.36013159
LOC105372632	4E-214	25.36013159
SLC12A5-AS1	4E-214	25.36013159
DPY19L2P4	4E-214	24.61762249
GNA15	5E-214	-31.04252211
BCAN	2E-213	26.73585934
MIR663B	2E-213	34.59275842
PTPN6	2E-213	-23.07183522
LVRN	3E-213	31.80423363
COL4A1	4E-212	28.42996156
CMTM2	5E-212	18.27612558
TBX15	5E-212	25.95441964
CNGA3	9E-212	33.04801144
PIWIL1	2E-211	-35.28904733
ZNF331	5E-211	31.15927564

ZNF582-DT	5E-211	29.74821471
ZNF582	5E-211	29.74821471
PCDH17	5E-211	28.88007978
HOXC11	1E-210	29.01965735
ZNF677	4E-210	35.86099887
WTIP	1E-209	21.42460951
NAALAD2	2E-209	24.24434631
HCG4	3E-209	22.26260876
TMTC1	7E-208	27.41598993
KCNG1	8E-208	30.21409292
ZC3H12D	1E-207	-34.72728736
YPEL3-DT	1E-207	34.39755667
YPEL3	1E-207	34.39755667
LOC107986930	4E-206	22.85584278
KCNQ1DN	4E-206	24.79281928
LOC105371332	8E-204	21.89743398
CACNA1E	3E-203	24.16546881
LINC00642	9E-203	35.33566856
LINC02317	9E-203	35.33566856
TRPC4	1E-202	34.35350471
MAD1L1	2E-201	-33.29202138
BNC1	8E-201	28.20809991
SYTL1	1E-200	30.74022601
HAND2	2E-200	25.97730262
GCM2	3E-200	29.40365237
MYH9	4E-200	19.56329409
EFEMP2	9E-200	38.42283037
FGF10	1E-199	28.95936256
PTF1A	2E-199	24.08902451
MIRLET7BHG	7E-199	-36.55353959
MIR129-2	1E-198	32.14733903
LINC01210	1E-198	18.23426514
PRKAR1B-AS2	1E-198	26.30789881
BRD4	2E-198	31.46177052
DIXDC1	5E-198	40.64688027
CCDC140	8E-198	18.34234913
CCDC169-SOHI	1E-197	25.41003254
CCDC169	1E-197	25.41003254
SLC4A10	1E-197	31.27739376
ECEL1P2	2E-197	50.51301393
ZIK1	3E-197	35.63392668
PYGO1	4E-197	21.89915369
LRRC4	5E-197	22.56810743
MPPED2	6E-197	12.29108967
WT1-AS	1E-196	31.05925408
IRF4	1E-196	31.00048747
SLC26A10	1E-196	-32.27518822
LOC101928416	1E-196	30.8050042
ELMO1	3E-196	20.79091462
ST14	3E-196	-29.76253005
GPR158-AS1	6E-196	23.27594826
PDX1	1E-195	34.88533609
RYR2	2E-195	28.00122183
LUZP2	2E-195	28.41943342
DNMT3A	7E-195	42.97344305
EBF1	9E-195	30.62298849

CASR	9E-195	19.20943679
LINC00354	1E-194	31.45577071
IFT140	1E-194	21.69730979
ZNF304	4E-194	19.38713614
LINC02696	1E-193	27.54007078
TACR3	1E-193	26.1428239
PTPRE	3E-193	-29.51146494
MDGA1	4E-193	33.18459133
MAP3K11	7E-193	20.20304635
AGPAT3	1E-192	-24.95095409
POM121L2	2E-192	13.57807835
ZNF502	3E-192	14.41735563
GLB1L3	3E-192	12.70869813
CHRM2	4E-192	36.98173007
AKAP12	1E-191	32.83986692
FAR2P2	3E-191	16.09062209
CFAP46	6E-191	44.60662885
SFTA3	1E-190	28.18373404
LOC105375980	2E-190	33.12957064
RNF165	2E-190	17.57625323
GRIN2A	4E-190	22.69628877
SARM1	1E-189	-24.92287128
PXDN	2E-189	-40.49267066
MAP9	2E-189	24.6647196
ZNF471	3E-189	30.01428124
HOTAIR	4E-189	33.63123711
LINC01101	7E-189	-38.37017141
FNDC1	9E-189	25.79872824
WNK4	2E-188	24.03012008
CPEB1-AS1	2E-188	28.84414453
CPEB1	2E-188	28.84414453
ADAP1	5E-188	-29.64500506
APCDD1L-DT	5E-188	32.8927161
PRDM13	9E-188	14.9553274
FLI1	2E-187	19.76330818
RAB3C	1E-186	18.1250819
GALNS	1E-186	-27.36837564
RNF212	3E-186	-24.68301251
SLC6A11	1E-185	36.7853432
C12orf56	1E-185	26.49300407
NODAL	2E-185	-33.85214597
TCF24	5E-185	29.8576902
PER3	5E-185	37.64127754
PEX5L	5E-185	24.23775947
GPR162	2E-184	-25.16037285
MDGA2	3E-184	23.88482947
PRKCB	3E-184	18.00930969
KRT7	4E-184	38.10435193
ZNF528-AS1	5E-184	26.88354315
MIR8085	7E-184	36.2454401
TTC36-AS1	9E-184	34.49820723
PRDM16-DT	3E-183	30.44148286
COL4A2-AS1	4E-183	-36.01263742
CNMD	6E-183	34.03005738
KDR	7E-183	35.59702909
KCNK9	8E-183	34.79172891

ZNF300P1	1E-182	39.86991048
PAX6	1E-182	27.34434853
OBSL1	2E-182	23.66098669
GATA5	1E-181	27.33916094
C8orf48	8E-181	21.27333751
COL1A2	1E-180	32.0468871
MRGPRE	2E-180	21.63027595
SRRM4	4E-180	31.72515373
UTF1	5E-180	25.60609191
ADORA2A	1E-179	-35.7595868
RAB6C	1E-179	17.05865961
SLC16A3	1E-179	-24.86434643
ZNF814	4E-179	28.84612984
NOVA1-DT	8E-179	27.66489625
NOVA1	8E-179	27.66489625
OTX2	1E-178	29.25390436
CHAT	3E-178	28.20076175
PLXNB1	4E-178	36.0156482
TAFA4	5E-178	29.86403115
SFT2D3	1E-177	-30.60475308
EPHA5	2E-177	17.5590712
TRIO	2E-177	43.21635377
CAMTA2	8E-177	28.92143328
DMGDH	8E-177	30.68908541
FGF12-AS2	8E-177	37.87973232
PARVG	8E-177	-26.05479599
ADD2	1E-176	17.16470972
ZNF813	1E-176	16.89459093
SYT6	1E-176	21.09555277
ZEB2-AS1	2E-176	22.3757979
ZEB2	2E-176	22.3757979
POU2F2	5E-176	48.05707347
HELT	7E-176	20.04687043
TRPA1	9E-176	12.0902325
LINC01838	1E-175	31.80754929
LOC105372377	1E-175	31.80754929
LINC00904	1E-175	31.80754929
AUTS2	1E-175	34.84104487
MSLN	3E-175	-28.52783132
ZNF358	5E-175	27.30933634
SHANK2	6E-175	26.83098987
NKAPL	7E-175	27.63664165
CKB	2E-174	21.10349665
KHDRBS2	2E-174	34.57022258
PHOX2B-AS1	4E-174	38.68527391
FOXD2-AS1	4E-174	30.19084525
HOXC13	8E-174	29.32352482
LHFPL4	9E-174	28.08132679
LINC00665	3E-173	27.13809776
NDRG4	4E-173	30.3962423
KIAA1217	5E-173	25.62996549
SNAP91	6E-173	35.90542232
TBX20	7E-173	33.01836297
CCDC105	8E-173	41.6122093
SLC1A6	8E-173	41.6122093
UNC5C	8E-173	22.36631027

ATXN8OS	5E-172	46.32580014
NIM1K	6E-172	13.58544665
ZNF154	6E-172	26.17027602
FOXE1	8E-172	36.37022121
ESR1	8E-172	23.77923232
CA9	3E-171	27.48342295
ADGRA1	3E-171	18.56085385
ADGRA1-AS1	3E-171	18.56085385
TRIM71	4E-171	21.12047965
OLIG3	9E-171	25.63993025
OBSCN	2E-170	-42.31663046
RGS12	2E-170	-36.56349605
DBX2	2E-170	27.79589437
PPP1R3C	3E-170	22.73733579
GRIK3	4E-170	20.24138279
CADM2	4E-170	16.64105144
TBX5	4E-170	34.84838983
POU4F3	5E-170	24.79180021
ZIC5	9E-170	25.78341079
SEMA6D	3E-169	26.27418862
CBFA2T3	4E-169	-29.47728864
GRM1	5E-169	25.16388495
PRAC2	7E-169	24.30797434
LOC101928188	2E-168	-35.55129314
NALF1	3E-168	28.75213675
ALX1	4E-168	27.17296284
SLC22A31	7E-168	21.60352132
FHDC1	9E-168	-30.65743632
CHRNA4	1E-167	37.1995115
ISL1	1E-167	24.86946733
ABAT	2E-167	33.91995421
NPY	2E-167	31.88137475
MYO15B	2E-167	24.93910109
PABPC3	2E-167	29.25904778
EOMES	5E-167	36.05654773
PDCD6IPP2	5E-167	28.76415029
SH3RF3-AS1	6E-167	32.55269682
RAP1GAP2	6E-167	-24.50646811
VAT1L	7E-167	12.90123365
CARTPT	1E-166	33.65837229
SLC18A3	1E-166	38.60048903
SMTN	1E-166	37.39468503
MST1	1E-166	27.97604922
RALYL	2E-166	32.27677993
SLC35F2	4E-166	25.56145671
BDNF	5E-166	24.99679379
IGFBP3	6E-166	29.25760079
EPHA5-AS1	7E-166	33.66314416
KY	1E-165	19.08509528
AFG3L1P	1E-165	26.9618009
CENPBD1P	1E-165	26.9618009
LRRC3B	1E-165	34.41436371
LRRC3B-AS1	1E-165	34.41436371
TRPC7	2E-165	30.0291203
RELN	2E-165	23.5092049
LINC02788	2E-165	26.87206556

LINC02609	2E-165	26.87206556
RASAL3	3E-165	25.26636546
LINC00472	6E-165	28.1478561
ZIC4	7E-165	24.22841106
LINC02674	8E-165	23.44315918
MIR34C	9E-165	21.70703504
BTG4	9E-165	21.70703504
PCSK2	2E-164	32.66526262
MYO3A	4E-164	27.0687399
LOC101929073	4E-164	27.0687399
CNTNAP2	9E-164	24.6279866
MARCHF11-DT	1E-163	32.13982969
MARCHF11	1E-163	32.13982969
GCSAML	1E-163	-45.59888996
SNCA	1E-163	19.10633365
EBF3	2E-163	28.1948647
SYT1	3E-163	23.354696
ACOT11	4E-163	36.94158959
ADAMTS16	4E-163	36.11724551
ADAMTS16-DT	4E-163	36.11724551
PPT2	6E-163	25.97172843
PPT2-EGFL8	6E-163	25.97172843
PRRT1	6E-163	25.97172843
PROX1-AS1	7E-163	29.46814042
PAX3	1E-162	21.41314358
SLC22A2	2E-162	33.97792311
SFRP1	3E-162	19.65138464
COPB2-DT	3E-162	17.78469919
RBP1	3E-162	17.78469919
ANKRD11	3E-162	-25.47868909
C10orf53	3E-162	23.89351494
LOC101927914	3E-162	25.19645782
KCNQ5	5E-162	27.64663501
KCNQ5-IT1	5E-162	27.64663501
LOC101927418	8E-162	31.87726875
FAM234A	1E-161	-28.05725881
ARHGDIG	1E-161	-28.05725881
GMDS	1E-161	25.04040767
ZNF492	2E-161	26.99178458
LOC112267986	4E-161	16.70946358
MTERF1	4E-161	16.70946358
GLT8D2	4E-161	18.55299266
AQP5	4E-161	25.29670558
ALG10B	5E-161	14.04339904
NKX2-6	5E-161	25.95294556
LHX8	2E-160	30.17611513
IZUMO1	3E-160	24.92495606
CDK2AP1	3E-160	37.67094135
ADAM5	5E-160	29.55802966
UBE2QL1	8E-160	18.09229564
GPR83	1E-159	27.58725957
LOC101927020	4E-159	24.18006448
CRISP2	4E-159	24.18006448
PTGFR	8E-159	31.40684786
LOC105375879	2E-158	34.33844779
MARCHF1	2E-158	35.75634645

MSC	7E-158	30.82184594
PLCH1	7E-158	-25.29302173
CARMIL2	7E-158	32.63362508
PTHLH	9E-158	12.71020526
TM6SF1	2E-157	21.04410579
ADCY8	4E-157	30.84940206
LOC105376586	4E-157	25.36086789
LOC780529	5E-157	28.75170628
CYP26A1	5E-157	22.48379134
COL4A2	7E-157	-35.10897361
CIITA	9E-157	-28.4046773
GALNTL6	1E-156	28.81248721
GRIP2	2E-156	-28.82782191
SLFN12L	1E-155	22.63661504
LOC105375630	2E-155	27.29712209
CCK	3E-155	35.96361678
TMEM235	1E-154	24.55330708
HOXB3	1E-154	30.62746293
MIR199A1	2E-154	28.39038037
FRZB	3E-154	22.96509205
ALDH3A1	4E-154	-26.20470964
ELF3	8E-154	-27.84026819
ELF3-AS1	8E-154	-27.84026819
DCHS2	2E-153	23.60857899
GLIS1	2E-153	11.95911129
SYCP2L	2E-153	25.00799302
TDGF1	3E-153	32.35451434
PCDHB18P	6E-153	34.1727863
COL23A1	6E-153	20.31986038
NRN1	1E-152	22.26808447
MATK	2E-152	21.31087113
H2BP1	4E-152	25.47572785
LAMP5-AS1	4E-152	18.07839571
EID3	9E-152	19.77156989
ADAL	1E-151	26.60101347
SFMBT2	2E-151	23.93135362
C9orf129	2E-151	36.38959397
ZAP70	3E-151	33.4398291
MAJIN	9E-151	22.26812555
MIER2	1E-150	25.92042904
BHLHE23	2E-150	33.7596444
WT1	2E-150	29.67708466
CACNA1C-AS1	2E-150	-15.04279802
TBXT	5E-150	17.2513978
SRRT	5E-150	28.80789937
HHIP	6E-150	39.18898059
ZNF3	7E-150	-13.20224784
VAV3	9E-150	21.07983756
CDH2	1E-149	17.91227236
LINC00643	3E-149	24.8016068
IKZF1	3E-149	20.52213736
LOC101929295	5E-149	-33.73824712
ACTA1	6E-149	30.43669072
DCC	7E-149	17.78912227
SAMD11	9E-149	-32.20839035
PPFIA3	9E-149	16.00662403

GALNT13	9E-149	27.64737371
PPP1R14A	1E-148	19.63928075
C10orf88	1E-148	26.11462472
MAN2B1	2E-148	25.4566825
PWRN3	3E-148	23.8367806
SEPTIN9	5E-148	30.55026543
BCAT1	7E-148	19.56427561
TBX5-AS1	1E-147	31.51986183
DLX5	3E-147	26.81456729
LOC440982	3E-147	25.96353558
LHFPL3	3E-147	16.93416223
GPR146	4E-147	29.74656468
C7orf50	4E-147	29.74656468
PHF21B	4E-147	16.15845989
FGF14-IT1	4E-147	23.38930844
NRN1L	4E-147	28.92671624
LOC644554	8E-147	35.83752775
ZNF573	8E-147	35.83752775
LOC105372394	8E-147	35.83752775
PALM2AKAP2	2E-146	23.69187183
CREB5	2E-146	34.44920573
MIR4740	3E-146	24.97586292
NR1I2	4E-146	20.3304148
C9orf50	5E-146	35.02283278
NXN	9E-146	27.40247351
ZNF148	1E-145	33.37464236
FAM118A	1E-145	-25.4334681
LINC01475	1E-145	25.39764159
PRELID3B	2E-145	-37.5363067
SLMO2-ATP5E	2E-145	-37.5363067
SRD5A2	4E-145	31.35350186
MIR9-3	5E-145	18.69709667
GUCY1A1	1E-144	16.37711274
GGT1	1E-144	-31.82029692
C2	2E-144	-34.09660241
CFB	2E-144	-34.09660241
FAM163A	8E-144	17.02306159
GFRA2	1E-143	25.72666481
LOC107985118	2E-143	21.41241481
SGPP2	2E-143	-28.38633819
CUX2	2E-143	35.04420136
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LRAT	1E-142	35.29828424
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FGF5	5E-142	23.63588878
EGFLAM	8E-142	22.92027746
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SLFN11	9E-142	18.82362847
LY75-CD302	1E-141	-19.91849955
LY75	1E-141	-19.91849955
SOX21-AS1	1E-141	20.97850156
TP73-AS1	1E-141	16.43751311
RSPH6A	1E-141	26.4907994
PDCD1	2E-141	-27.06465424
HLX	3E-141	17.42906833
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RFX4	6E-141	15.89093966
KRT14	6E-141	-32.61838987
C8orf34-AS1	6E-141	26.76226991
HRK	8E-141	14.26747961
NKX6-2	1E-140	33.01785278
LOC105369614	1E-140	25.66795945
HMX2	2E-140	11.35106468
SLC6A5	2E-140	35.32528419
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TP73	2E-140	19.21630055
LOC105372473	3E-140	29.77357081
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CR1L	3E-140	26.51575131
FAM237A	3E-140	29.34568955
LINC02106	4E-140	23.33034111
KCNAB3	5E-140	34.37593028
NPPC	5E-140	18.42003046
EMILIN3	1E-139	21.30127062
PAX5	1E-139	31.89771741
ZNF544	2E-139	10.66194292
ZNF542P	2E-139	31.55539755
ZSCAN5A	2E-139	31.55539755
NEBL	3E-139	-33.74539348
FAXDC2	4E-139	31.40998032
ZBTB40	4E-139	-22.80889759
ARSI	1E-138	28.74245908
PDE4D	1E-138	18.92256092
YBX3P1	2E-138	22.86258425
EFCAB1	2E-138	26.23915764
GAD1	2E-138	23.35407845
TNFSF14	3E-138	-35.03276021
SPEGNB	5E-138	22.96695237
SULT4A1	8E-138	24.39216918
NR5A2	1E-137	23.02685308
CLCNKA	1E-137	42.6169346
HSPB7	1E-137	42.6169346
MED16	1E-137	22.06192332
GLI3	3E-137	31.07776734
NRG1	4E-137	19.41806001
SNORA71E	6E-137	-30.00288464
SNHG11	6E-137	-30.00288464
LRRC61	7E-137	-13.20741695
IRX6	1E-136	19.57791521
ZNF709	1E-136	27.57338317
RBFOX3	2E-136	25.88700868
ARHGEF1	3E-136	-25.00357608
PCDHB6	4E-136	25.74459611
RBFOX1	6E-136	31.78322421
ZNF560	6E-136	25.00816375
SLC45A4	8E-136	-49.12828254
MPPED2-AS1	1E-135	30.86841917
NPY5R	1E-135	16.87334328
RXRG	1E-135	22.73449392
LOC101927825	2E-135	27.12325759
PRIMA1	2E-135	24.63912297

LINC01558	2E-135	-24.67588078
CELSR1	3E-135	-40.35960625
HOXA-AS2	4E-135	-24.89990006
FAM43B	4E-135	35.27761808
KCTD8	5E-135	20.85896164
LDHC	7E-135	21.96393168
EIF4E1B	7E-135	13.67725409
SNCB	7E-135	13.67725409
MIR4281	7E-135	13.67725409
UNK	7E-135	-23.49468944
DPYSL5	1E-134	22.09422153
VCAN	1E-134	29.13737793
ZNF805	1E-134	32.04629053
NMD3	1E-134	19.65285554
B3GALNT1	1E-134	19.65285554
PRKAG2	3E-134	-19.74911432
KCNH2	3E-134	30.78367206
TMEM233	3E-134	26.99667653
S1PR4	3E-134	-38.73172373
LONRF2	6E-134	31.90092245
SLC25A51P4	2E-133	32.47833595
TDH	2E-133	37.93604056
AP3B2	3E-133	29.74077383
ADGRL3	3E-133	28.24519043
SFRP2	5E-133	24.34003218
LOC107986790	1E-132	22.28833256
KRT87P	2E-132	28.48009829
EML1	2E-132	24.65747615
ALOX12	3E-132	20.553692
ST6GAL2	5E-132	16.78975367
LOC100101148	5E-132	38.67105629
TRIM74	5E-132	38.67105629
ARHGAP27P2	6E-132	19.76089116
ZNF804A	7E-132	19.61892736
SH3BP2	9E-132	-34.58949204
ZNF347	9E-132	13.24343145
ANKRD7	1E-131	19.18385467
C2orf81	1E-131	15.82175497
MICU3	2E-131	31.20273622
SYT3	2E-131	21.35385251
TUB	2E-131	24.8840559
ZNF98	3E-131	21.85631726
PRR36	5E-131	26.5157102
KCNA3	5E-131	33.54592395
LOC101928701	5E-131	33.31339203
FRY	1E-130	-35.863365
EEF1DP3	1E-130	-35.863365
NUP58	1E-130	25.36875722
FAM184B	1E-130	24.00227506
MAMDC4	1E-130	32.03697694
ARHGEF17-AS1	2E-130	31.12925522
ZNF876P	2E-130	31.37103238
NAALADL1	2E-130	29.54865829
BARHL2	3E-130	27.73374505
ATP10A	4E-130	19.91263344
COLEC11	6E-130	25.61146009

CRISPLD2	6E-130	-28.9028785
SPART-AS1	9E-130	39.6901852
SPART	9E-130	39.6901852
PCDHGC3	1E-129	10.05769347
HECW1	1E-129	22.60788332
ITPRIP	2E-129	29.15833497
SEL1L3	2E-129	-24.14922936
ABCC9	2E-129	13.97021486
SNAP25	3E-129	18.40247018
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ARRDC2	3E-129	17.98832792
LOC107984273	3E-129	19.78093207
ACY1	3E-129	-30.98870199
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MCEMP1	4E-129	-28.03195641
GATM	1E-128	24.19379717
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HOXC4	3E-128	26.86935828
CNTN1	3E-128	30.39080268
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TPTEP1	7E-128	23.58224518
IFFO1	7E-128	27.55173514
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GSDME	1E-127	13.20757694
NPFFR2	1E-127	29.70803194
SLC2A14	1E-127	28.70950618
TMEM105	2E-127	-33.40108943
MXRA7	2E-127	38.64540003
NELL2	3E-127	17.02712494
RIPPLY2	5E-127	20.60652387
SNORA10	6E-127	-23.15977934
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TLE2	7E-127	-34.02106228
TFAP2A	7E-127	21.32378692
LOC392232	1E-126	23.6584152
LINC01305	2E-126	17.7322313
ARHGAP45	4E-126	-22.74497114
H2AC16	4E-126	29.81556086
ZNF568	5E-126	17.05696813
ZNF829	5E-126	17.05696813
ARHGAP20	5E-126	27.81323551
TAFA2	1E-125	29.63309106
TSPYL5	1E-125	25.15468232
GATA4	3E-125	24.02191589
NECAB1	3E-125	24.76430183
LOC105375633	3E-125	24.76430183
C9orf152	3E-125	-28.19154804
LIFR-AS1	3E-125	19.85704692
LIFR	3E-125	19.85704692
MIR3650	3E-125	19.85704692
ZNF570	7E-125	12.3901525
ZNF569	7E-125	12.3901525
GABRB2	9E-125	18.05237306
APCDD1L	1E-124	34.76342062
CIDEA	1E-124	24.64067999
PHYHIPL	1E-124	20.04933878

VSX2	1E-124	28.70449582
SOX17	2E-124	30.47757881
HCN1	2E-124	27.44036805
SLC13A5	3E-124	30.26011218
CCKBR	4E-124	13.54625917
LINC02440	4E-124	25.95763121
KIAA0930	5E-124	36.92217267
ADAT3	7E-124	-23.31098733
KAZALD1	7E-124	-37.97762953
ZNF729	9E-124	31.16975261
ZNF793	1E-123	21.5641452
ZNF793-AS1	1E-123	21.5641452
TSPAN4	1E-123	29.66881066
MDFI	1E-123	28.21103475
TSPAN32	1E-123	-27.28854775
MIR10527	2E-123	26.40031305
PRLHR	3E-123	31.58485941
CATIP-AS1	3E-123	23.53921776
C2CD6	4E-123	29.63105529
SKOR2	5E-123	27.50805823
COASY	6E-123	-26.60177639
IGFBP5	7E-123	26.72512974
ZNF454	2E-122	41.29198864
LETR1	2E-122	24.36894936
LOC105370994	2E-122	24.36894936
VASH2	2E-122	12.1722757
ZNF804B	2E-122	36.03576724
GPR26	2E-122	32.19627964
COX7A1	3E-122	29.16966092
ZNF439	4E-122	12.29169952
WNT16	5E-122	28.99198845
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CD1D	6E-122	10.77353212
LINC02587	7E-122	19.83441988
PHOX2B	7E-122	27.62043293
OLIG2	7E-122	29.10403893
SIPA1	9E-122	-19.84346155
CA10	1E-121	29.35409767
NT5C2	1E-121	29.28675098
DAAM2	3E-121	33.04045715
PDLIM7	4E-121	23.23822818
TMEM108	5E-121	23.57609342
LTBP4	6E-121	24.32560769
RADIL	7E-121	-22.43452622
MROH6	9E-121	30.32909972
FIGNL1	9E-121	16.69114016
LINC02579	1E-120	-30.33839247
CA11	1E-120	-35.2545268
RAB34	1E-120	27.30597811
BRINP3	1E-120	15.47433908
NOM1	2E-120	17.51319195
TMC6	2E-120	-21.08619617
CHST3	2E-120	31.49250497
LOC100996662	2E-120	27.04572356
PSMA8	3E-120	16.5768001
AOX1	3E-120	11.46031106

TRIM15	5E-120	-29.54478019
DNASE1L2	6E-120	26.57776068
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FBXO21	2E-119	26.5867601
PDE10A	3E-119	24.23803701
IRAG1	3E-119	31.22810619
C19orf33	8E-119	-23.5854935
GNE	1E-118	18.74946973
RRAD	1E-118	32.70465631
RNPEPL1	1E-118	-27.7456702
ADGRD1	2E-118	17.91029585
TLDC2	2E-118	-32.51043207
RWDD3	4E-118	22.75552066
PTK6	5E-118	-24.13119142
KRT73-AS1	6E-118	28.19298308
KRT72	6E-118	28.19298308
MIR124-2HG	6E-118	29.96287707
MIR646HG	1E-117	31.68618526
LOC729296	1E-117	31.68618526
SHOX2	2E-117	28.7212648
VEPH1	2E-117	11.86620339
INAFM2	2E-117	27.41563576
H1-1	3E-117	18.71238872
PDLIM4	6E-117	20.13031407
TRPV4	6E-117	24.267011
KCNIP4	7E-117	15.17894469
REC8	8E-117	25.12067526
KCNK10	9E-117	22.61114031
ACOT7	1E-116	-30.9709414
RUSC1-AS1	1E-116	25.78814111
NTNG1	1E-116	25.32046804
LOC105373958	2E-116	-28.99178985
RAB17	2E-116	-28.99178985
ACSL5	3E-116	-14.82482063
SLIT3	4E-116	36.43084026
MGAT3	4E-116	27.71807294
ZFYVE21	5E-116	21.64841084
KRBOX1	6E-116	20.30242235
KCNH3	2E-115	28.32787738
SV2C-AS1	2E-115	14.71217524
FGD5P1	2E-115	24.42981982
JRK	3E-115	-22.82349293
S1PR3	4E-115	28.19893964
LHX2	6E-115	28.94752269
PLCH2	6E-115	-35.82486331
CSMD1	8E-115	28.71586356
ATP2A1-AS1	1E-114	20.23016044
PPFIA2	1E-114	16.56233385
MAFK	1E-114	28.33170058
CGB5	1E-114	-28.02451433
HOXB-AS1	2E-114	24.17390192
HOXB2	2E-114	24.17390192
SPOCK3	2E-114	25.01156072
SYCP2	2E-114	19.94732949
SLC16A7	2E-114	12.29401571
DDIT4L-AS1	2E-114	18.68534527

STK31	2E-114	-20.29906185
FSTL1	3E-114	32.60511144
RPL39L	4E-114	12.96503468
KAT6A	5E-114	-34.80784797
CENPT	9E-114	18.17251109
ZPBP	9E-114	-22.33927061
CIRBP	1E-113	24.4657179
ST6GALNAC5	1E-113	15.64283672
ZNF8-ERVK3-1	1E-113	14.20572309
INSC	2E-113	27.63511279
HTR1E	3E-113	35.0166012
TERT	5E-113	23.53993969
LOC157273	6E-113	-29.50267858
SCNN1A	8E-113	-15.64288136
SNCA-AS1	1E-112	19.27614302
DRGX	1E-112	30.64492111
FUT6	2E-112	-26.27313251
DPP6	2E-112	36.39036271
LRTM2	2E-112	22.34309765
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CCDC106	5E-112	19.2985077
CCNP	5E-112	-32.15111583
TNK1	6E-112	20.85089374
LOC101929234	8E-112	28.18964557
ARHGEF10L	1E-111	23.041134
CNTNAP5-DT	1E-111	27.16258104
PDE1C	2E-111	31.03385234
TMEM184A	2E-111	-23.62888483
STMN2	3E-111	28.17225565
GABBR2	3E-111	22.58497438
LRP8	3E-111	15.37151913
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REPIN1-AS1	1E-110	-19.77971566
MAP3K14-AS1	1E-110	30.11146353
LOC105370792	2E-110	-16.66610469
SPTBN5	2E-110	-16.66610469
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LOC105374618	2E-110	26.92132101
LOC105374616	2E-110	26.92132101
LINC01414	2E-110	24.75835049
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NR2E1	3E-110	17.94150331
MIR3185	3E-110	23.64738143
TSC2	5E-110	27.45629017
PCDHA11	6E-110	22.00857712
NTSR1	7E-110	31.35767967
LOC107984568	7E-110	28.16113551
DLEU7	7E-110	28.16113551
TWIST1	8E-110	30.96770437
PREX2	1E-109	27.84037075
GRHL2	3E-109	-23.32374982
CARHSP1	3E-109	-22.85189312
COL26A1	3E-109	21.43636652
CA3	3E-109	24.89097294
LIN28B	5E-109	28.11155874
LIN28B-AS1	5E-109	28.11155874

ANKRD36BP2	5E-109	24.51132567
CMTM3	6E-109	23.35535623
SPX	7E-109	10.53505383
PHOX2A	8E-109	27.76374505
MIR379	8E-109	-23.86924958
ADAMTS10	4E-108	12.01089989
GPR75-ASB3	5E-108	30.75519422
GPR75	5E-108	30.75519422
DDIT4L	6E-108	18.70702788
FOXC2-AS1	6E-108	14.72110241
SLC10A4	1E-107	22.71124167
PAX7	1E-107	19.09266958
AQP1	1E-107	19.03320293
LOC441666	2E-107	26.49652824
MMP16	2E-107	22.01147501
PRDM16	4E-107	26.81353309
GALNT16	4E-107	16.57162331
PCDHB4	7E-107	27.85391927
HSPA2-AS1	1E-106	22.57977249
GPR156	1E-106	28.39854279
POFUT2	2E-106	26.72256494
NRXN1	3E-106	17.6037038
DPYS	4E-106	22.68680861
CACNA2D3	4E-106	16.50172857
FBXL7	5E-106	19.08136092
AHRR	7E-106	12.92577081
C1QL2	7E-106	29.07421862
PRR23C	8E-106	20.46737736
ZNF280A	9E-106	-32.50998235
EGFL7	9E-106	-44.24985809
NR4A1	1E-105	26.61814516
HTR5A	2E-105	19.16463284
CNDP2	2E-105	-30.61184818
LOC105373629	2E-105	31.43787227
EFL1P1	2E-105	23.1904391
CMTM7	3E-105	-13.76708449
SHANK1	3E-105	-31.20239381
PCDHGA12	3E-105	29.93231674
TBR1	9E-105	21.3497869
FAM131A	9E-105	29.58742401
ANKRD65-AS1	1E-104	29.82719926
FEZ1	1E-104	27.41079425
EFS	1E-104	35.75817695
ITGB2-AS1	1E-104	-27.47732814
ITGB2	1E-104	-27.47732814
S1PR1	2E-104	12.85659409
S1PR1-DT	2E-104	12.85659409
LOC101929373	2E-104	29.16170662
CHRNE	2E-104	22.45667565
CRYAB	3E-104	29.4127287
SYCP1	3E-104	22.81633138
PCDH9	4E-104	19.28580927
CIBAR2	8E-104	-22.60064739
SMIM43	2E-103	23.45165625
LINC02610	2E-103	16.61492305
AGTR1	2E-103	18.23550839

SGIP1	3E-103	19.76082389
PAPOLB	3E-103	25.67320531
TRIP6	4E-103	-28.59462416
FGF14-AS2	7E-103	11.36859213
MS4A15	1E-102	-21.10297437
TENM4	1E-102	11.43820867
MEST	1E-102	-24.9089012
LINC00917	1E-102	-26.08406683
PDPN	1E-102	18.84584885
BRINP1	2E-102	30.31312595
SGK1	2E-102	23.3062841
CYP2E1	3E-102	29.10376099
FLNC	3E-102	-37.53202075
SERP2	3E-102	13.16624867
EGFL8	4E-102	14.96800212
LRRC9	4E-102	14.17511379
ADPRHL1	5E-102	19.80348279
RAPGEFL1	5E-102	22.54749155
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ADGRG1	7E-102	33.35426427
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KLC1	1E-101	-24.0011244
ZNF528	1E-101	20.60139421
ADAM23	1E-101	11.11974059
SLC6A3	2E-101	26.4338708
TNFAIP8	3E-101	-31.67269443
PRICKLE2	3E-101	28.46067858
WNT2	4E-101	21.64680129
KBTBD11-AS1	5E-101	19.34918355
MSX1	5E-101	31.23109705
WWTR1-AS1	2E-100	23.69484526
FOXR1	3E-100	20.29002812
APOB	3E-100	-25.73922514
LINC00237	4E-100	22.16127443
PKP3	4E-100	-26.63601558
TMEM179	6E-100	27.75335396
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EPHA7	1E-99	11.21159253
LOC101927609	1E-99	-13.2669983
FLJ32255	1E-99	21.28185798
PAX6-AS1	1E-99	19.5386786
MIR29B2CHG	2E-99	17.12851678
C3orf14	2E-99	17.23074048
PTPRG-AS1	2E-99	17.23074048
MEIKIN	2E-99	12.13048717
IGFBP-AS1	2E-99	12.57247564
LMF1-AS1	6E-99	25.38855083
CLIP4	7E-99	29.3383505
HHIP-AS1	8E-99	26.17827824
GUCY1B1	9E-99	30.38178036
MGC12916	1E-98	26.35141961
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EHMT1	1E-98	-32.90616668
LOC651337	1E-98	-32.90616668
PTPN5	1E-98	24.81137425

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ZDHHC22	2E-98	29.16295603
PRDM8	4E-98	14.18505892
HOXA-AS3	5E-98	16.78594042
RFPL4B	6E-98	-18.96174001
CHRDL2	7E-98	12.2102748
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LOC107985541	1E-97	37.44281851
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SLCO4A1-AS1	9E-97	-26.59744678
SYNPR	9E-97	25.40405866
LOC401463	1E-96	19.65456416
LTBR	2E-96	-30.97853126
LOC101927468	2E-96	22.45818698
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MYH11	6E-96	25.11240359
JAKMIP3	6E-96	15.1732539
STX1B	6E-96	18.8201228
TBC1D29P	7E-96	-30.37294156
IGF2	9E-96	18.58215789
NEDD4L	1E-95	33.00273894
LINC01783	1E-95	16.37261936
KLHDC7B	1E-95	31.92102213
DNM3	2E-95	22.04295432
RESP18	2E-95	24.97531564
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VASH1	4E-95	11.60071706
LOC105370577	4E-95	11.60071706
GATA2	4E-95	26.23245049
LOC105372558	5E-95	37.50052323
NKX2-4	5E-95	37.50052323
CIRBP-AS1	5E-95	25.55834382
CPED1	9E-95	32.18356713
SYNGR3	9E-95	29.13874797
GIPC2	9E-95	-14.99202319
MEOX2	1E-94	15.37245763
AK5	1E-94	19.06823023
RHPN1-AS1	1E-94	-15.0256162
MSRB3	2E-94	26.81446884
PRDM1	2E-94	27.27315054

ADCY10P1	2E-94	14.04899077
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TOGARAM2	2E-94	29.40849927
HOXC9	2E-94	20.04807089
PDE4B	3E-94	28.037956
DDB1	4E-94	-24.85411171
LBH	4E-94	34.92281997
FAT3	5E-94	22.92763126
CTBP2	5E-94	-25.90801919
LOC101928762	8E-94	24.03376914
HAS1	8E-94	33.33824256
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LOC105379199	2E-93	12.44138009
RBMS3	2E-93	25.92828798
FBXL22	3E-93	29.63948443
LINC01624	3E-93	-18.6176714
DYNLT5	3E-93	20.69852431
LAMA2	6E-93	18.88758126
NKX6-1	6E-93	19.28396731
C6orf58	6E-93	14.22382158
SOGA3	6E-93	14.22382158
BARHL1	7E-93	13.13191679
GDF6	1E-92	23.72245218
LYPLA2P2	2E-92	-33.39735
ABCA1	2E-92	24.32443898
PDZRN4	3E-92	31.80215018
HOXA5	4E-92	23.72584774
LOC107986467	4E-92	22.20859494
LINC02202	4E-92	22.20859494
PCDHA10	6E-92	23.06059392
RNF126P1	6E-92	25.14534097
PCDH7	6E-92	24.70011335
PCDHB2	9E-92	22.94930492
EYA4	1E-91	46.16434676
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CARD14	2E-91	25.44044123
CYP7B1	2E-91	24.12026569
CERKL	2E-91	14.46466316
NEUROD1	2E-91	14.46466316
KCNA4	3E-91	22.74585817
CGB8	3E-91	-25.74330055
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PWWP3A	5E-91	18.33207195
INSYN1	6E-91	16.02370578
FAM20C	7E-91	18.21818522
ANKRD19P	7E-91	17.46224837
RGS22	9E-91	35.13910917
GPBAR1	1E-90	30.19591449
HRH3	1E-90	27.08955918
LIME1	1E-90	-29.85275952
TPM1	1E-90	24.89756949
LOC648987	1E-90	-19.99180897
ARHGEF7-AS2	2E-90	12.24172086
TCAF1	2E-90	22.02254274
CYP1B1-AS1	2E-90	39.51635964

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EVC	7E-90	29.87918363
SFXN5	8E-90	12.68934447
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GNA12	1E-89	28.79642622
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VAV3-AS1	2E-89	18.29083369
UNCX	2E-89	30.80013391
TMEM263	2E-89	22.21981741
QKI	3E-89	15.95219112
IKZF4	4E-89	31.66783569
PHLDA3	6E-89	26.29330493
CHODL	1E-88	33.22832515
FRMD1	1E-88	-27.36214377
PTPRR	2E-88	31.04416465
TM4SF1-AS1	3E-88	-31.07148813
SDR16C5	3E-88	-31.91869906
PDE6B	3E-88	23.16659167
LOC400553	5E-88	26.53065229
CROCC	5E-88	20.03348399
TARID	6E-88	28.42645282
ZNF580	7E-88	25.86116417
ZNF581	7E-88	25.86116417
OSR1	7E-88	31.57370027
GABRG3	8E-88	20.42934266
FAM163B	8E-88	20.2944476
TTC6	1E-87	26.68052268
HNF4A	1E-87	-31.9648097
R3HDML-AS1	1E-87	-31.9648097
ZNF385B	2E-87	15.13451328
MIR1258	2E-87	15.13451328
ATP8B2	2E-87	14.63338249
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LEFTY1	3E-87	-32.38324893
GRID2	3E-87	16.58742864
FEV	3E-87	15.06993902
LEMD1	3E-87	15.80244947
BLACAT1	3E-87	15.80244947
SCNM1	4E-87	23.77926385
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TGFB1I1	5E-87	28.22373317
FLT4	5E-87	-28.13890755
WNT9B	8E-87	22.92347283
SOX14	8E-87	29.68189956
ADAMTS1	1E-86	15.84016714
CACNG2-DT	1E-86	21.60969415
SH3TC1	1E-86	-23.81214213
PROSER3	1E-86	21.44848058
HSPB6	1E-86	21.44848058
NOD2	2E-86	16.00244821

MSI1	2E-86	21.241123
TMEM132E	2E-86	13.18006927
TMEM132E-DT	2E-86	13.18006927
CABP4	4E-86	-24.92579012
LTF	4E-86	29.19316582
OSM	5E-86	-28.06146792
MARVELD1	5E-86	20.37542976
ECHDC3	1E-85	14.39220161
ZFHX4-AS1	2E-85	21.87612079
SVOPL	2E-85	24.97091078
DAB1	2E-85	21.68082621
MAL	3E-85	25.25499852
GFAP	3E-85	-18.99941084
TLL1	3E-85	17.08245979
RASSF2	5E-85	-30.08154938
LOC107985177	5E-85	22.39374417
TRIM29	8E-85	-24.22567089
ADAMTS9-AS2	9E-85	17.89437174
CHST15	1E-84	12.98891549
SCARF2	1E-84	21.94865166
CHST8	1E-84	12.71364267
PLCD1	1E-84	13.86600739
NEUROD2	1E-84	15.64555743
STOX2	2E-84	14.11606256
IL32	2E-84	-25.77169551
RAB31	2E-84	21.60805407
TBCD	4E-84	-25.87143211
SOWAHB	6E-84	-12.61435244
PLAGL1	7E-84	-16.47183653
NKAIN4	1E-83	25.75876598
INA	1E-83	20.54430386
MIR193B	1E-83	24.12563433
MUS81	1E-83	-28.13229024
CELF2	1E-83	23.68035255
CACNA2D4	1E-83	-24.60668391
ARHGEF40	2E-83	27.3307937
ARPP21	3E-83	21.56727513
TSLP	3E-83	18.3557056
PYDC1	3E-83	16.02125034
STK32C	3E-83	-24.85371715
OSTM1	4E-83	20.90005705
PROB1	4E-83	40.16517613
HOTAIRM1	4E-83	35.0679855
MCHR1	4E-83	33.35255181
CSMD2	5E-83	22.85924652
NTMT1	6E-83	-30.6915654
CCR6	6E-83	-19.75604052
LOC105378122	6E-83	-19.75604052
MIR1286	9E-83	27.41970862
CRYBG2	1E-82	15.60719126
TNFRSF12A	1E-82	18.47638575
CLDN6	1E-82	18.47638575
CEMIP	1E-82	31.45119818
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DGCR8	2E-82	16.7925363

PAQR9-AS1	2E-82	34.84013964
PAQR9	2E-82	34.84013964
ISYNA1	2E-82	25.01497545
FEZF1-AS1	4E-82	10.26646773
ANK1	5E-82	-27.81420973
ACSF2	6E-82	24.39336454
CHAD	6E-82	24.39336454
SLC4A11	6E-82	19.48390756
LOC100289333	7E-82	26.15802179
PCDHGA7	7E-82	22.28267564
WFIKKN2	8E-82	18.16803155
WDR17	1E-81	14.04415508
FADS2	1E-81	13.86133713
TBC1D30	1E-81	11.23534073
TIMM13	1E-81	21.27744056
PAH	1E-81	15.0307152
LOC112267865	1E-81	15.0307152
HELZ	1E-81	-34.50743057
DRD4	1E-81	20.90475321
ANKRD60	2E-81	15.23216494
GNAS	2E-81	24.40571039
GNAS-AS1	2E-81	24.40571039
SLC6A7	2E-81	22.78314621
CLEC3B	2E-81	19.25513809
MTCL1	4E-81	22.85928299
CYP1B1	5E-81	23.01575975
PNMA8A	5E-81	24.83179739
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HSPA1L	8E-81	16.90695933
GNAL	8E-81	24.77220041
KIRREL3	9E-81	18.20154118
CERS3	9E-81	23.37756712
OTX2-AS1	1E-80	26.98005895
GABRA5	3E-80	25.11236001
TMPRSS12	5E-80	18.96537271
LMX1A	6E-80	22.78148556
MAEL	7E-80	-23.81148375
NPAS3	8E-80	19.78314579
PITPNM1	9E-80	-21.74165559
LOC100286906	1E-79	10.9331111
EXOC3L4	1E-79	12.91739499
IRF7	1E-79	-27.93920206
HHAT	1E-79	27.85191079
EVPL	1E-79	-22.7239113
LOC105374988	2E-79	11.12121928
RCAN3	2E-79	-13.78391383
LAMC2	4E-79	-21.96123511
ZFP82	4E-79	13.80289403
RGMA	4E-79	17.08685792
MIR4648	5E-79	-27.43728119
TCF4	5E-79	14.28758444
RAB5C	7E-79	26.69343807
RBPJL	8E-79	14.703446
QRFPR	8E-79	26.64052405
SPINT2	1E-78	-24.9163529
SOX10	1E-78	24.86058986

FOXI2	1E-78	37.55666522
LINC00471	2E-78	22.21568517
NRADDP	2E-78	31.13402543
ASPSCR1	3E-78	20.53557266
GPR37L1	3E-78	28.5380762
ESPNL	4E-78	-21.40096584
C19orf67	4E-78	27.46418131
CCNI2	4E-78	-24.75170148
DMPK	4E-78	24.57935887
NXPH1	6E-78	33.50747133
NTM	7E-78	23.52021243
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NARF	7E-78	-24.5846196
LOC100130238	7E-78	-29.01380465
DZIP1	9E-78	22.82130978
ZSCAN1	9E-78	24.54295426
NFIA	1E-77	-15.1322896
TRPM2	1E-77	-22.75453113
PM20D1	1E-77	17.94525821
BAALC	2E-77	34.64666501
EPHX4	2E-77	-19.97302249
THSD7B	2E-77	14.95720888
CYP26C1	3E-77	21.32232991
PHACTR1	3E-77	24.48554409
CYTH4	3E-77	-15.02177635
IQSEC1	3E-77	15.51752464
FAM218A	3E-77	13.34733894
ETS2	3E-77	-27.43096609
RAB32	4E-77	-24.53180662
MIR3074	5E-77	21.92702781
DGKZ	5E-77	22.95518077
MTNR1B	5E-77	25.52594331
C2orf74	6E-77	23.327931
LOC339803	6E-77	23.327931
CCDC8	6E-77	17.72438416
THBD	1E-76	18.70650943
PTK2B	1E-76	-13.96931613
LOC107986961	1E-76	-25.70380069
TFAP2E	1E-76	26.84682911
TFAP2E-AS1	1E-76	26.84682911
JDP2	2E-76	12.37036271
MIR1249	2E-76	19.34122851
PLEKHG3	2E-76	-24.98416888
HTR1B	3E-76	12.72338297
TMEM178B	3E-76	19.8123386
MIR4456	4E-76	-28.00592082
TRANK1	4E-76	15.5560585
RORA	4E-76	25.89391565
LOC107984805	4E-76	25.89391565
LOC112268068	4E-76	27.10527343
PAX1	5E-76	26.89360681
TCP11	6E-76	-25.45044307
TMEM88	6E-76	22.1934538
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MIR194-2	6E-76	-17.35888488
TOLLIP	6E-76	-23.64048632

LOC105376512	6E-76	-23.64048632
DAPK1	7E-76	21.9954645
PHLDB2	7E-76	18.64802321
CDC42SE1	8E-76	17.45102687
TMEFF2	1E-75	25.92013716
RAB37	1E-75	19.94238647
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NDRG2	2E-75	24.86885739
GJD2-DT	2E-75	22.51950629
GJD2	2E-75	22.51950629
LPAR5	3E-75	-21.11951425
SPPL2C	3E-75	-29.29356543
MAPT-AS1	3E-75	-29.29356543
FADS1	3E-75	16.6275488
SYNDIG1	3E-75	30.74674636
LOXL3	4E-75	-15.25131181
CEROX1	4E-75	11.69912239
ZNF282	4E-75	-18.3854292
ROBO3	4E-75	17.3407613
LOC105373526	4E-75	20.91876333
ARHGEF17	5E-75	17.29735885
TEN1-CDK3	5E-75	19.65651117
IQCA1	5E-75	23.80852682
ANKS1B	5E-75	33.70087555
CAPN14	5E-75	29.96514864
HLA-G	7E-75	18.41675066
LOC100653233	8E-75	22.39902545
MIR3147	8E-75	22.39902545
MIR200B	9E-75	-23.93699731
MIR24-1	1E-74	15.99078451
LOC100129203	1E-74	-16.65534464
ZNF329	1E-74	17.30642367
ANKRD45	1E-74	23.31005333
LOC105375131	1E-74	-22.48628854
FANCD2OS	2E-74	18.11817325
MYOD1	2E-74	15.19057922
LRRK2	2E-74	17.48661996
LRRK2-DT	2E-74	17.48661996
WDR90	2E-74	20.5810526
ALDH3B2	2E-74	-15.90068951
DLG5-AS1	2E-74	14.02838107
DLG5	2E-74	14.02838107
SPSB4	3E-74	18.22485779
LOC105369759	5E-74	13.02437258
PTMA	5E-74	-12.03042389
AFAP1L2	5E-74	-17.66364089
AKAP10	8E-74	24.3736596
MCM7	8E-74	22.72759499
LINC00391	9E-74	33.52990647
NKX2-8	1E-73	24.04844291
FBXL15	1E-73	21.14450375
PSD	1E-73	21.14450375
FOXI3	1E-73	14.29578922
FBXL21P	2E-73	23.73820634
CBLC	2E-73	-30.43874374
PRMT8	2E-73	18.06349244

RASGRP2	5E-73	10.82323427
MLC1	5E-73	-18.57563939
KCNC2	6E-73	24.75186457
LINC02593	9E-73	-20.87366761
HOPX	1E-72	-18.03605543
OSMR-DT	1E-72	22.07098205
LINC01265	1E-72	22.07098205
PEG10	1E-72	14.42164627
ODAD2	1E-72	23.63364393
LSAMP	2E-72	10.6103715
TNF	2E-72	-18.97286682
CDHR2	2E-72	-20.45326552
SLC7A9	2E-72	-28.06272973
RAB11FIP4	2E-72	11.45939566
PRDM11	2E-72	20.17376612
CABP1	3E-72	21.14673653
CPNE8-AS1	3E-72	11.95106472
CPNE8	3E-72	11.95106472
RNF222	3E-72	-22.52432826
CHFR-DT	3E-72	12.95785065
MIR4497	4E-72	24.93151112
MEI4	5E-72	26.88097599
SOX5	6E-72	10.92301331
TSPAN31	7E-72	24.59435077
AGAP2	7E-72	24.59435077
LINC00543	7E-72	-14.35658291
LINC01145	8E-72	19.26594165
EPHA8	8E-72	17.06830521
CYB561D2	1E-71	-16.24178656
CACNA2D2	1E-71	-16.24178656
TMED11P	1E-71	-24.52998864
CDX1	2E-71	-16.44132972
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DYDC2	2E-71	18.21082621
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CFAP161	2E-71	21.01913431
PTGER4P2-CDI	2E-71	10.27947712
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SMG5	2E-71	13.47305412
PSTPIP2	2E-71	19.75612765
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CORO1A	3E-71	-16.93585753
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NPLOC4	4E-71	21.20041277
LOC283028	5E-71	19.69974344
WNT6	5E-71	22.62724765
LOC112267871	6E-71	21.20706005
DNAH10	7E-71	-20.69538103
LINC00621	9E-71	14.7116332
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B3GALT4	2E-70	-24.86244034
PIWIL4-AS1	2E-70	19.49929485
FAIM2	2E-70	20.57971261
EBF2	3E-70	20.7892934

GLDC	3E-70	22.14893903
EHD3	3E-70	11.91267721
ZC3H12A	3E-70	-14.55690386
MEG8	4E-70	-19.18951456
TCTE1	4E-70	11.67560142
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LFNG	8E-70	-24.54298154
CPNE2	9E-70	13.86979586
EHBP1-AS1	9E-70	20.05479849
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FAM20B	1E-69	-16.59873668
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MEIS1-AS2	2E-69	17.75955197
PTPRD	2E-69	28.45497319
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SNTG2-AS1	4E-69	28.53525104
SCRN1	4E-69	10.25126781
SHARPIN	4E-69	16.05544042
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NTRK1	2E-68	15.09807925
PCDHGA6	2E-68	22.8485186
ANKRD34C-AS	3E-68	22.35422359
LOC107986383	3E-68	20.78097585
PP12613	3E-68	24.23334362
MIR4520-2	4E-68	25.26956682
MIR4520-1	4E-68	25.26956682
ZFP64	4E-68	11.80606256
MEF2C	4E-68	19.09855797
CHRD	4E-68	27.82805389
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COLCA2	5E-68	13.8378526
MGAT4B	5E-68	18.77788053
TUBB6	5E-68	13.80567349
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PEG3	9E-68	16.32565926
PROCA1	1E-67	22.47290576
CD8A	1E-67	24.71210221
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ZNF808	1E-67	23.54881997
RCN1	1E-67	15.69802917
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GPER1	2E-67	15.2591401
FUZ	2E-67	11.11071975
LOC107985939	2E-67	11.86044336
HAND1	2E-67	12.11752154
CYB561	3E-67	22.01709028
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EHD1	4E-67	-13.60721529
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GRIA2	5E-67	21.71450169
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DNLZ	7E-67	29.52198133
ST8SIA2	8E-67	17.19288589
PDE1B	8E-67	19.12402557
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EML2	1E-66	-24.55108293
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LOC375196	1E-66	15.09473575
MESTIT1	1E-66	21.79516992
TAS1R1	2E-66	19.06994688
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ADRA1A	2E-66	23.87845768
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LOC101927636	3E-66	24.23461386
LOC105377460	3E-66	24.23461386
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CLDN5	4E-66	16.53044139
STAR	5E-66	17.79152317
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HBQ1	2E-65	-17.55466927
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CNNM1	5E-65	24.1643529
GRM2	5E-65	12.95379027
CDC25B	6E-65	14.69821143
TNFRSF25	7E-65	14.87107046
CATSPER2	8E-65	12.55740134
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CGB1	9E-65	-26.3591403
ANO9	1E-64	14.78879948
SLFN13	1E-64	13.91949864
MOS	1E-64	30.48076069
GNAI2	1E-64	14.548604
RBP7	1E-64	-25.08094747
CNTNAP1	2E-64	10.55967429
SULT2B1	2E-64	-21.28001338
BARX1	2E-64	16.63080956
CPT1B	2E-64	24.85393301
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TBX1	4E-64	17.00927752
LMO1	4E-64	17.61895485
GSTM3	5E-64	11.97388684
PRAC1	5E-64	19.58300032
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FZD10	7E-64	18.95481947
DSTNP2	8E-64	11.44338633
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RYR3-DT	9E-64	21.40815967
GRIN1	1E-63	26.82782262
ANXA6	2E-63	10.38199407
PHF14	3E-63	-20.63085695
ELAVL4	3E-63	23.93460609
PRF1	5E-63	-16.03205332
TRIT1	5E-63	-24.30354284
ALG1L	5E-63	16.32206647
MAD2L2	5E-63	10.07439547
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MIR4500HG	6E-63	27.69667219
KCTD12	9E-63	17.62346592
PCDHGB6	1E-62	24.21303829
DNAH11	1E-62	18.29944682
AFF3	1E-62	13.82739127
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GRHL3-AS1	2E-62	-21.66532281
NR3C1	2E-62	14.95302216
ARHGAP25	2E-62	-16.19550701
PCDHGA9	2E-62	26.55161471
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RNF111	2E-62	25.23027889
PROCR	3E-62	-17.47301372
B3GAT2	4E-62	11.61405437
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LINC02891	4E-62	25.04053741
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TMEM25	5E-62	22.096665
GRAMD1B	5E-62	17.40882352
RPL13	5E-62	-23.52548692
CDH6	6E-62	22.41272749
FSD1	7E-62	-20.45209409
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ARC	7E-62	-26.44504905
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LOC101927932	1E-61	-16.88769407
LHX1-DT	1E-61	24.15771338
DGAT1	2E-61	15.29606093
GET4	2E-61	15.10433286
KIF25	2E-61	-17.19365077
MIR541	2E-61	-17.41749046
MIR409	2E-61	-17.41749046
MIR412	2E-61	-17.41749046
MIR369	2E-61	-17.41749046
DLX3	2E-61	29.38933032
ZFAND2A	3E-61	-24.07105791

LINC01412	3E-61	12.40418903
LEP	3E-61	26.00547882
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MYO1G	4E-61	-20.85482516
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LOC107985937	4E-61	13.66800204
DPP10-AS1	4E-61	13.66800204
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WNT3	6E-61	10.80388982
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MAP7D1	1E-60	25.76495181
PRSS57	2E-60	-22.10189171
ATAD3C	2E-60	-22.79779769
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RPL27A	3E-60	-16.8328172
RAB4A	3E-60	-18.9213052
RUSC1	3E-60	19.74793388
CYP4V2	3E-60	-20.14214616
PRDM14	4E-60	24.46480512
KIF21B	4E-60	-15.84668913
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KLF17	5E-60	-22.92287729
LSP1	7E-60	13.56357338
H2AJ	8E-60	16.80840093
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STK11	9E-60	-27.6608893
ADAMTS8	9E-60	15.88931777
INTU	9E-60	11.63839884
DEGS1	1E-59	28.88042328
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NIPSNAP1	1E-59	-25.95129456
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OTOP3	2E-59	18.78032597
SEMA7A	2E-59	20.10728045
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PTPN20	4E-59	14.24264788
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INTS11	5E-59	21.54431674
SEMA3C	6E-59	-22.58434372
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GLS2	9E-59	18.64858352
WDR59	1E-58	16.90120783
WDR81	1E-58	19.7345989
CALCRL-AS1	1E-58	13.16624472
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OTOS	1E-58	-23.76661749
LOC105372068	1E-58	24.10309803
CELF4	1E-58	24.10309803
VSIG2	2E-58	23.17009756
DGCR5	2E-58	13.58032219
LMF1	2E-58	21.47398983
DMRT3	2E-58	22.42345011
KRTAP17-1	2E-58	17.85384729
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ZMIZ1	2E-58	15.99966942
DMRT1	3E-58	24.69359595
LDB3	3E-58	22.77347535
FOXCUT	3E-58	-18.56673827
PICSAR	3E-58	-20.390243
PRAP1	4E-58	-17.50629798
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TUBGCP2	4E-58	-17.50629798
BMERB1	5E-58	23.26335303
HOXC10	6E-58	12.88962211
HOXC-AS3	6E-58	12.88962211
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SNX8	9E-58	15.6258515
EDIL3	1E-57	14.12558429
GATA3	1E-57	10.1179237
GATA3-AS1	1E-57	10.1179237
LIN28A	1E-57	16.44408027
KCNK2	2E-57	15.87914739
ARHGEF10	2E-57	-17.66251627
OSBPL10	2E-57	-11.03164445
EPIST	2E-57	16.09490728
ANKLE1	2E-57	12.69857184
LINC01347	3E-57	14.35467927
TMEM154	3E-57	-18.46325272
NSD1	3E-57	17.69896309
CRACR2A	3E-57	-15.51643814
EXTL3-AS1	4E-57	26.3193128
MYO1F	4E-57	15.0907762
PAXBP1	5E-57	-10.78432143
PLD3	6E-57	22.01938769
AHNAK	8E-57	16.96002124
CBX6	8E-57	12.7271117
WDR97	9E-57	22.1137764
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CHL1	1E-56	25.60099935
PRKG2	1E-56	15.0615343
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HTR5A-AS1	2E-56	12.58691396
CSNK1D	2E-56	18.19925764
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SSTR2	2E-56	10.31880729
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ABCA3	3E-56	-15.8573924
ZNF518B	3E-56	-22.1631892
MT1JP	3E-56	16.8903689
PRPH	3E-56	12.43164371
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EPS8L2	4E-56	15.79801446
LAIR2	5E-56	-18.6697984
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ZNF556	6E-56	-19.91650755
GRM4	6E-56	-15.30822237
LOC105377587	7E-56	-12.02923367
ACSL1	7E-56	-12.02923367
CLEC2L	7E-56	14.65022777
RAC3	8E-56	20.23944291
PIK3CD	8E-56	-25.29505808
ZKSCAN7-AS1	8E-56	11.27277953
PCDHB19P	1E-55	25.09465859
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LOC403312	1E-55	23.94309843
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DHX40	2E-55	16.5186861
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ATG9B	2E-55	18.81064578
CTNNAL1	2E-55	28.42975755
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CERS2	5E-55	15.4512863
PCDHB3	5E-55	21.62577387
CDHR5	6E-55	-20.25617255
NEK5	6E-55	16.12102738
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MYOM3	7E-55	-28.93068159
LRPAP1	7E-55	18.69441604
DMRT2	8E-55	14.42336323
MALINC1	8E-55	-15.09147527
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KLF3	1E-54	13.74804666
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LOC105374328	1E-54	25.07034525
RBM47	1E-54	-24.91364372
KLHL21	1E-54	12.68665071
LOC112268266	1E-54	-27.54091957
CTPS1	1E-54	18.01490642
USP40	2E-54	22.73118488
WDR27	2E-54	21.51396161
RGS14	2E-54	26.09912937
LOC105370689	2E-54	-16.74445725

TLX2	2E-54	11.57576528
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DPYSL4	3E-54	-19.64834831
HMGA1	3E-54	-13.9760675
MFFP2	3E-54	13.9000843
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CC2D1A	4E-54	14.96779527
BRME1	4E-54	14.96779527
DCUN1D2	4E-54	19.64067042
C1orf94	4E-54	18.2186573
ADSS1	5E-54	-19.67544972
SHCBP1L	5E-54	21.83129338
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HOXA6	5E-54	16.48658354
PCYT2	6E-54	13.4334568
EPDR1	7E-54	12.17105119
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TMEM271	8E-54	12.38598236
PITRM1	8E-54	-19.94598294
LY6K	1E-53	20.68327398
ST3GAL4	1E-53	14.52860331
GSEC	1E-53	14.52860331
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LOC284798	2E-53	19.69331633
DNAH2	2E-53	-27.58197051
MEF2C-AS1	2E-53	22.15014395
PTPRZ1	2E-53	11.94733216
ALPI	2E-53	-24.70729535
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TRIM67	3E-53	14.54484617
MACROH2A1	3E-53	15.02642964
ADAMTSL4	4E-53	18.10942445
ECEL1	4E-53	13.83700306
TNNT3	4E-53	-21.12271136
UGT1A1	4E-53	-21.50630609
CAMK4	4E-53	12.18432206
SMIM17	6E-53	25.02987876
LINC01815	6E-53	-11.17836319
CBLN2	7E-53	21.08100233
LIMCH1	7E-53	-23.05030813
JPH3	8E-53	13.75897243
HOXA3	8E-53	16.68480397
CLMP	9E-53	14.98097683
C14orf39	1E-52	27.57895634
SLC38A4	1E-52	11.8963025
PDGFD	1E-52	-16.74433784
TRAPPC12	1E-52	-12.26067383
CR1	2E-52	16.48996245
BAIAP2L2	2E-52	25.54409615
UBXN2A	2E-52	11.02330816
TEX26	3E-52	21.51631164
TEX26-AS1	3E-52	21.51631164
LGALS4	3E-52	-22.80556677
MARK2	3E-52	-22.31704876
SLC6A6	3E-52	-20.76248506
MAFA-AS1	3E-52	-23.48999145

TMEM190	3E-52	-25.48534435
SLIT2	4E-52	14.79987041
SLC39A13	4E-52	14.24423375
SPI1	4E-52	14.24423375
NRGN	4E-52	19.61284761
VASN	4E-52	14.44921478
GPX5	5E-52	-20.69487983
CD109-AS1	5E-52	16.24355693
AGAP1	6E-52	15.36101106
PHACTR3	6E-52	20.0294037
GRM3	7E-52	18.69968892
PIGQ	7E-52	17.06742356
NHLRC4	7E-52	17.06742356
STK19	7E-52	-18.16944298
DXO	7E-52	-18.16944298
MMP2	8E-52	16.3493672
EPHA4	1E-51	22.07277103
MTURN	1E-51	22.24449775
NPR3	1E-51	-14.87458959
GRK6	1E-51	18.92002069
SPRTN	1E-51	-13.6179623
IQANK1	1E-51	-14.32873719
MIR4664	1E-51	-14.32873719
PTOV1-AS1	1E-51	14.29841457
TMEM130	1E-51	22.96329212
BGLAP	2E-51	-19.13011657
INSL3	2E-51	18.02187501
KCNA2	2E-51	11.50134561
SPACA1	2E-51	17.91336176
VRTN	2E-51	22.79690666
SYT9	2E-51	17.3411294
INPP5F	2E-51	23.08834291
CNTN5	3E-51	11.3797061
LIMS2	3E-51	19.26081649
AMZ1	3E-51	-26.30555615
LHX1	3E-51	12.25971379
USP2	3E-51	18.4729255
ZNF354C	3E-51	17.61669482
MEIS1-AS3	4E-51	11.49467771
CHST1	4E-51	-16.81406512
VMO1	5E-51	17.84577063
TNS2	5E-51	15.78938874
WNT5A	6E-51	-16.0788382
LOC101928953	7E-51	14.6186032
PNPLA7	7E-51	-14.92790311
SDC2	9E-51	11.34895393
REEP1	1E-50	-21.04111316
HOXB6	1E-50	-25.18419145
AMN	1E-50	-13.23927229
MIR3065	2E-50	-16.3470736
AATK	2E-50	-16.3470736
MIR657	2E-50	-16.3470736
MIR338	2E-50	-16.3470736
B3GNTL1	2E-50	19.76936735
ACY3	2E-50	-14.49004455
TEX29	2E-50	-20.13125195

RNF207	2E-50	12.96097053
KCNQ1	2E-50	-22.11619961
DOK7	2E-50	-24.60738387
KRT78	2E-50	-20.13199211
STEAP4	2E-50	-10.43107093
TRIB2	3E-50	13.88635681
MYO1C	4E-50	13.58908414
SHC2	4E-50	-27.1596556
GRK2	4E-50	-22.39289742
CSGALNACT1	5E-50	26.12050869
LINC02851	6E-50	-16.08279048
BACH1	6E-50	-22.35396582
MMP25	7E-50	21.11601583
TACR2	8E-50	22.87253571
LPCAT1	8E-50	-21.48143335
LINC02706	8E-50	-19.62955728
TRAPPC9	9E-50	-15.48230763
PRDM8-AS1	1E-49	-14.03334539
STK38L	1E-49	-20.54104048
DNALI1	1E-49	10.07934978
NFATC1	1E-49	-20.22471163
MT3	1E-49	14.12751076
PCGF2	1E-49	-15.40948456
ZIC2	2E-49	15.46286321
CLVS1	2E-49	14.23440468
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TMEM121B	2E-49	15.83380288
ACSS1	2E-49	16.75817275
GRTP1	2E-49	24.79541291
FAM83A	2E-49	-15.15240399
NOL3	2E-49	17.34622251
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ITGBL1	2E-49	-14.88707106
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LOC100130849	2E-49	10.07975024
LINC02882	2E-49	-21.02909164
LOC107987178	2E-49	-21.02909164
FAAP20	3E-49	22.2788411
PRRX1	4E-49	19.30596575
RCN3	5E-49	23.81181222
DCDC2C	6E-49	18.23776541
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ARHGEF4	9E-49	17.96506762
XRCC3	1E-48	21.54380187
PYGM	1E-48	18.33486763
LINC00524	1E-48	-15.35836534
LOC105377730	1E-48	-13.40728018
PPP1R16B	2E-48	22.5279643
FBXL16	2E-48	13.68150985
FBRSL1	2E-48	-19.25062688
RBMS1	2E-48	15.71054646
MIR4785	2E-48	15.71054646
LOC105372383	3E-48	26.53058097
TRAF7	3E-48	-19.58118456
GUCY1A2	3E-48	11.82521691
NT5E	3E-48	14.98784245

MARS1	5E-48	-13.42404123
OSTM1-AS1	5E-48	20.54926906
PERM1	5E-48	-26.42706212
NTSR2	6E-48	12.57572378
PLAU	6E-48	-21.43045694
VILL	7E-48	26.48667122
DPPA3	7E-48	-16.07205457
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KNCN	8E-48	-22.30429522
LOC101928847	9E-48	13.58311159
STK25	1E-47	13.05814529
PCDHGA5	1E-47	19.81798333
ACSF3	1E-47	-16.12570263
SPRNP1	1E-47	19.87183892
MEG3	1E-47	18.11720888
AP2A2	2E-47	14.93554007
C2orf27A	2E-47	22.12549856
FOXN4	2E-47	12.36122384
KIF1A	2E-47	19.72929279
SPEM2	2E-47	-17.92668964
CYP51A1	2E-47	16.59211152
LRRD1	2E-47	16.59211152
LY6D	2E-47	-21.95283874
GPHA2	2E-47	16.05427178
PPP2R3A	2E-47	16.29112807
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DOCK6	3E-47	13.54583046
MIMT1	3E-47	16.93312894
ZIM2	3E-47	16.93312894
MIR9-1HG	3E-47	10.61910548
MIR9-1	3E-47	10.61910548
INPP5B	3E-47	11.82704483
MYF5	3E-47	22.00920194
COMP	4E-47	19.65879928
NCAN	5E-47	28.55138801
OSR2	6E-47	13.19892283
PTPRJ	8E-47	15.15938481
DPH7	8E-47	11.86745661
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PLPP4	1E-46	10.16934781
CIBAR1	1E-46	22.06421604
CIBAR1-DT	1E-46	22.06421604
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HPCAL1	1E-46	-21.77990301
ABCB6	2E-46	13.21002245
C1orf35	2E-46	16.87136657
FER1L4	2E-46	22.21494739
DRD1	2E-46	18.06634549
SH3GL3	2E-46	16.4072366
UNC13D	2E-46	-20.35211722
TGFB2	3E-46	17.61485845
LOC101930053	4E-46	14.28015087
VLDLR-AS1	4E-46	14.28015087

ALDH1A2-AS1	4E-46	11.50933874
ST8SIA1	4E-46	13.22370025
PTPN21	5E-46	17.37813926
UBALD2	5E-46	-15.87424654
ZDHHC11	5E-46	-13.00779751
PLPPR2	7E-46	-17.9849559
HSD17B12	7E-46	14.81408552
DOCK10	8E-46	12.57942705
CARS2	1E-45	15.7163087
PLEKHG6	2E-45	-20.45048165
PCAT7	3E-45	-19.53116308
PRSS53	3E-45	-15.15710919
VKORC1	3E-45	-15.15710919
EPB41L3	3E-45	10.51125901
ANP32C	3E-45	-10.8830082
MTA3	4E-45	15.27898215
NMNAT2	4E-45	13.35623034
LOC101929908	4E-45	22.91128286
CALCA	5E-45	11.2516335
SLC22A18	5E-45	24.94449764
NAPRT	6E-45	-11.521919
HMX3	6E-45	15.25799257
RPL13A	7E-45	-15.72173163
SNORD32A	7E-45	-15.72173163
SNORD33	7E-45	-15.72173163
SNORD34	7E-45	-15.72173163
NDUFAF1	8E-45	-20.81396729
VPS28	8E-45	-20.77812592
WNT3A	9E-45	16.6802866
H2BC1	1E-44	-12.51122997
GPS1	1E-44	13.02067467
RFNG	1E-44	13.02067467
TPTE2P5	1E-44	-17.74112252
SUGT1P3	1E-44	-17.74112252
COPS9	1E-44	-15.47182199
NFE2L1	1E-44	18.74501125
SYT14	3E-44	20.55759996
SYNE1	3E-44	11.67229919
TMEM269	3E-44	15.39947934
PPP1R16A	3E-44	17.12873836
FGF20	3E-44	13.38391845
PLPP5	4E-44	15.71769462
FOXF2	4E-44	14.93270839
MIR410	4E-44	-11.03307536
LINC02470	4E-44	13.2634468
HOXC5	6E-44	12.77752139
MIR615	6E-44	12.77752139
ID2-AS1	6E-44	10.18055805
TENM3	8E-44	13.2377604
TENM3-AS1	8E-44	13.2377604
ITIH1	9E-44	-17.60326686
PLXNA4	1E-43	11.42897379
ZBTB46	1E-43	-20.30883521
GRIK2	1E-43	14.86968423
PCBP3	1E-43	21.8153099
HOXA9	1E-43	13.44848928

RFTN1	1E-43	10.86716999
MIR1-1HG-AS1	2E-43	13.2059393
DPEP1	2E-43	18.82037217
EZR	2E-43	-15.78428743
ZC3HAV1	2E-43	-16.597794
GAL3ST2	2E-43	-17.36629633
CFAP100	3E-43	24.35389373
OPCML	3E-43	14.41956563
C11orf21	3E-43	-22.47836316
DPF1	3E-43	-29.67768678
FARP1	3E-43	-15.19471444
TNFRSF10C	3E-43	10.99070596
IRAK3	3E-43	23.71931016
KCNC4	3E-43	11.90190049
PRPF6	4E-43	-21.38151758
SAMD10	4E-43	-21.38151758
CCSAP	4E-43	-17.22782428
CACNA1A	6E-43	26.77341835
LINC02350	7E-43	11.81633341
LOC101927531	7E-43	11.81633341
LOC105379613	7E-43	11.81633341
CASZ1	7E-43	18.8910169
FERMT3	7E-43	-12.63729067
ATCAY	7E-43	-19.20102535
RASIP1	7E-43	-17.30637529
LINC00701	8E-43	-15.82731759
HAGLR	9E-43	17.40402949
JHY	1E-42	-17.41137155
ABCA7	1E-42	-21.24177621
RFX2	1E-42	-20.9311762
ZG16B	1E-42	-14.31333387
AXIN2	1E-42	-23.01142003
SARDH	1E-42	-13.77089763
STK24	2E-42	-18.30135061
ACVR1C	2E-42	20.41006528
BASP1	2E-42	10.78825817
BASP1-AS1	2E-42	10.78825817
LGALS3BP	2E-42	19.34146839
MED15P9	2E-42	-12.26430685
POTEF	2E-42	-12.26430685
KCND2	3E-42	16.71133122
LOC105373656	4E-42	17.18915236
ASIC4	4E-42	-19.91932685
XKR4	4E-42	15.25147852
TTC28	5E-42	10.19685978
MPO	5E-42	-13.21590697
CCDC88B	6E-42	13.5723088
ASCC1	7E-42	-19.86588094
SLC15A4	8E-42	13.07093875
TMOD2	8E-42	14.21531976
ZNF583	8E-42	11.91040228
GUCA1A	1E-41	24.73538513
MGAT1	1E-41	-16.86563561
LINC00839	1E-41	20.32075434
CCNYL2	1E-41	20.32075434
PAX8-AS1	1E-41	-21.36290676

PAX8	1E-41	-21.36290676
GPT	1E-41	17.08577437
RAP1A	2E-41	-16.41415284
CYP27B1	2E-41	16.15403378
BMS1P21	2E-41	12.31205921
RPL3L	2E-41	12.02388552
PRCD	2E-41	16.71855505
CYGB	2E-41	16.71855505
BHMT	2E-41	-20.41219371
KHDC1	3E-41	11.67933793
KCNQ2	3E-41	15.3441112
CPA1	3E-41	20.49620177
NBEAL2	4E-41	17.61126132
CYBC1	4E-41	-19.98068795
MIR6068	6E-41	10.39289817
NDUFS2	6E-41	22.58104295
DNAAF9	6E-41	11.91518533
CALB1	7E-41	11.71515363
MLXIPL	7E-41	16.58041131
PTBP1	8E-41	22.15821039
LINC01168	8E-41	-17.69591388
MIR1193	8E-41	-11.64711757
TIMM44	8E-41	16.56803303
TAMALIN	9E-41	-17.9916745
PGR	9E-41	14.39471798
PLSCR3	1E-40	14.29926414
LOC105374325	2E-40	15.31345242
SSC5D	2E-40	21.39709778
HS3ST4	2E-40	17.36703576
SLC35E4	2E-40	-13.51517878
SLC38A8	2E-40	-16.83769995
GNAI1	3E-40	11.3263698
TMC8	3E-40	-18.91975494
CD109	3E-40	12.35283404
SAMD8	3E-40	-22.90234524
DUSP13	3E-40	-22.90234524
RNF216	4E-40	-21.05335479
KCNJ1	4E-40	-19.27289076
KLHL42	4E-40	13.45499562
PKIA	4E-40	10.42386413
TCF7L1	5E-40	19.62791159
PCDHB8	5E-40	15.99358582
SIX1	5E-40	22.49542286
SHISA6	6E-40	17.03538161
REM2	6E-40	24.39861619
CLEC9A	6E-40	-15.18172578
LOC102724020	6E-40	-15.18172578
SERPING1	7E-40	17.30247685
MAPK7	7E-40	15.87432861
LDHAL6A	9E-40	14.55208213
UBE2E1	1E-39	-14.42837961
DLG1-AS1	1E-39	-11.46898474
DLG1	1E-39	-11.46898474
MYT1L	1E-39	-13.79329754
HTATSF1P2	2E-39	-13.63142111
ANO1	2E-39	-17.29981149

LINC01586	2E-39	10.45310274
LOC105371787	2E-39	10.46125428
LINC00682	2E-39	19.65955831
LINC01122	2E-39	10.57876117
LINC01018	3E-39	12.71122559
BIRC7	3E-39	-15.93665035
CACNG7	3E-39	18.17693964
BRD1	4E-39	-12.89691951
THBS4	4E-39	20.92445528
FGF2	4E-39	20.5726424
VGF	5E-39	12.42922338
MYO10	6E-39	-17.06627795
MCIDAS	7E-39	17.69527915
MYL10	7E-39	-15.54222506
BLCAP	8E-39	17.72861526
GALR1	1E-38	13.1057821
DMRTA1	1E-38	12.44158838
FAM228B	1E-38	10.76399643
PFN4	1E-38	10.76399643
RUFY4	1E-38	-20.87223563
TNS1	1E-38	-20.87223563
MIR572	1E-38	19.78168758
ALOX12P2	1E-38	15.27108434
TRIM31	1E-38	-16.0270125
AGAP11	2E-38	15.64910728
SOST	2E-38	-12.50294436
HMGCLL1	2E-38	16.23042886
LOXL2	2E-38	20.42210705
SMAGP	2E-38	-17.6122281
COL20A1	2E-38	-20.58053609
GPR180	3E-38	16.77468897
SPATC1	3E-38	-18.64218161
ABCA2	3E-38	-18.41249119
CLDN11	4E-38	10.17762185
PTPRCAP	4E-38	-16.86783339
COL11A2	5E-38	15.89784304
PACSIN1	6E-38	16.54193476
LTA	6E-38	-12.70844972
MIR656	6E-38	-11.96973145
CMTM5	7E-38	18.29976147
LAMA4	7E-38	13.09135509
SOX8	8E-38	10.92545291
SLC16A12	9E-38	-12.71382858
ADAM2	9E-38	-11.6070951
SFTPD	9E-38	20.13267581
RARB	9E-38	12.48472364
NEFL	1E-37	11.5339787
LINC00334	1E-37	-20.49703272
LINC00523	1E-37	-15.33642126
DNM1P35	2E-37	15.72628118
LOC112268044	2E-37	15.94633464
MYOZ3	2E-37	-16.25426367
CHTF18	2E-37	-23.33874643
LINC00028	2E-37	25.61322994
IZUMO4	2E-37	-15.0923389
TLX1NB	2E-37	12.47522851

CHRNB2	2E-37	12.82008262
ASIC3	4E-37	15.27994579
GGT6	4E-37	-17.81804266
ITGB3	4E-37	17.54601751
USP29	4E-37	15.33318805
CX3CL1	6E-37	11.51274667
LINC02405	7E-37	-13.927549
COLEC12	7E-37	15.57561076
TMEM26	7E-37	13.95552194
LOC105375992	8E-37	12.93989534
ELAVL2	8E-37	12.93989534
PCID2	8E-37	16.72535801
CNIH3-AS2	8E-37	10.64281952
KDM2B	9E-37	17.56985924
CCDC154	1E-36	-15.98622069
MUC2	2E-36	-17.6292942
MST1L	2E-36	20.85975292
HRH2	2E-36	16.49820895
CNPY4	2E-36	-21.42255857
RASL11B	2E-36	12.29004734
CTBP1	2E-36	18.69401547
FXYD1	2E-36	17.92779986
CNIH3	3E-36	16.09163787
MIR4322	3E-36	13.69775308
LOC100240728	3E-36	11.17768911
SOD3	3E-36	17.23602484
LOC107984375	3E-36	21.97468494
SLC26A5-AS1	3E-36	11.28630342
MTX1	3E-36	13.51934412
ARHGAP27P1-I	4E-36	-15.74508823
ODF3L2	4E-36	-19.20609613
SLC29A1	4E-36	20.7837111
BTNL9	4E-36	14.85135842
SPEG	5E-36	18.75696759
SQOR	5E-36	-11.24446597
DEFB123	6E-36	-16.84438372
FAAP100	6E-36	-18.11579897
LOC105371430	7E-36	-16.81265257
DLX6-AS1	9E-36	21.67121424
CTF1	9E-36	21.71030426
WNT5B	1E-35	19.75481663
TRADD	1E-35	17.73689678
PLEKHG4B	1E-35	-12.88486694
USP35	1E-35	20.62159174
LOC105379028	2E-35	14.97830698
RTEL1	2E-35	14.56830547
NADK	2E-35	-24.77164302
PAEP	2E-35	-20.53450225
VAX2	2E-35	14.55793653
ATP6V1B1	2E-35	14.55793653
SPON1	2E-35	-12.54901817
NPR1	2E-35	11.2747473
DOT1L	3E-35	12.02985472
MYO7A	4E-35	20.18579461
AURKC	4E-35	11.14539506
UBTF	4E-35	19.44183068

MIR299	4E-35	-12.47705861
PPM1N	4E-35	13.9995696
RNF17	4E-35	10.23975242
PLAC9P1	5E-35	11.40599695
ADAMTS19	7E-35	22.24727695
LINC01580	7E-35	-10.43977953
LINC01579	7E-35	-10.43977953
DOC2GP	7E-35	15.40506599
CALD1	8E-35	14.45865902
DDAH1	9E-35	18.05034392
MIR124-1HG	1E-34	11.13385729
TET3	1E-34	19.8300029
HOXD4	1E-34	-15.62615154
SLC26A4	1E-34	-16.54702774
GABRB3	1E-34	-15.51927438
C5orf47	1E-34	16.6577368
POU2AF1	1E-34	-12.64175559
DUS1L	1E-34	-12.75708128
RIMBP2	1E-34	11.97123019
BRSK1	2E-34	-13.43178026
PTPRO	2E-34	12.69096753
LOC105373352	2E-34	-15.48409301
PLEKHA6	2E-34	14.97616179
NOS2	3E-34	-16.54954396
TMEM216	3E-34	-14.268503
ACTB	4E-34	14.87839139
TPM4	5E-34	12.544353
ARMH1	5E-34	-18.82287647
RIIAD1	5E-34	14.72481029
DBN1	5E-34	20.30584804
CFAP100-DT	5E-34	17.35670047
DGKG	6E-34	10.04695802
FGF1	6E-34	17.42980693
NCOR2	6E-34	17.28337451
ACTN2	6E-34	20.32838364
CDKN1C	7E-34	17.2270644
MADCAM1	7E-34	13.5294811
ST8SIA3	9E-34	22.50922509
MPL	9E-34	13.41993285
CAPN2	1E-33	-10.92129508
RGS7BP	1E-33	16.5655762
RNF166	1E-33	-19.17565063
CCDC13	1E-33	11.64898656
HIGD1A	1E-33	11.64898656
SLC44A2	1E-33	15.70893448
GTF3A	1E-33	23.9385303
CMTM8	1E-33	-17.64924739
LHX6	1E-33	18.70654975
MTRR	1E-33	12.28660811
ARFGAP3	1E-33	-13.55071256
ZNF536	1E-33	10.50921256
CPD	2E-33	10.95977655
CDIPTOSP	2E-33	-18.471267
CDIPT	2E-33	-18.471267
COCH	2E-33	-11.99092857
KCNK4	2E-33	12.46403262

KCNK4-TEX40	2E-33	12.46403262
PLPPR3	2E-33	-20.6331817
C1QTNF8	2E-33	-19.64688334
LCN10	2E-33	-14.28563449
LCN6	2E-33	-14.28563449
CLCNKB	2E-33	-17.01971411
NLRP6	2E-33	-15.17685601
THSD7A	2E-33	18.6387609
VSTM2L	2E-33	23.65329562
BTBD2	2E-33	11.26210124
PCDHGB3	2E-33	16.3542529
KLK12	2E-33	-19.01821432
HK1	3E-33	16.95713252
MIR5587	3E-33	-21.81172062
NHP2	3E-33	-17.70551053
NCAM1-AS1	3E-33	-21.93739041
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NLRP4	4E-33	-11.76462601
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RAE1	4E-33	-12.94921881
DLX1	5E-33	11.7428757
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TMC4	1E-32	11.62247175
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STAP2	3E-32	13.17083783
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CHDH	2E-31	-19.79017007
SHISA3	2E-31	-14.51829684
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NOS3	1E-29	12.54280318
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GORASP2	2E-29	-11.82666023
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VPS16	9E-29	13.73038455
SPNS1	1E-28	11.82028605
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CACNA1H	1E-28	-15.07130088
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FASTK	1E-28	12.75307367
GNAT1	1E-28	14.74134893

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ABR	2E-27	-15.80517147
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ABCC3	3E-27	-21.16820386
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CHD1L	3E-27	-11.66842244
HGS	3E-27	-13.40891578
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PDZD2	6E-27	10.360149
MAP2K3	7E-27	13.10609416
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ANKMY1	8E-27	12.34818717
CLEC18C	9E-27	-19.20668735
LOC400541	9E-27	-19.20668735
LINC02282	1E-26	17.00078972
ZFP37	1E-26	12.48920751
POM121L12	1E-26	-12.52116106
CTSW	2E-26	-10.73076471
PCAT6	2E-26	10.51771437

CLVS2	2E-26	16.21694468
EVX1	2E-26	14.70239411
LOC105373616	2E-26	13.19873263
LINC02572	2E-26	13.19873263
LRRC56	2E-26	-11.10919541
MLNR	2E-26	10.5442453
CCDC183-AS1	3E-26	-11.42248093
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NWD2	3E-26	16.67239131
SMIM4	3E-26	16.60305049
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APOBEC3A	4E-26	-13.23451457
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ZNF470-DT	5E-26	15.28057755
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FBXO2	5E-26	19.18568564
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ATXN7L3	7E-26	13.89306315
ONECUT1	8E-26	14.40149676
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BMP7	1E-25	15.19473987
ANKRD62	1E-25	-16.27332557
RBM38	1E-25	-13.16219716
VAMP5	1E-25	10.30182072
TRAM2-AS1	2E-25	15.72836607
TMEM62	2E-25	-10.43581895
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CHD3	2E-25	10.12208135
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TMEM163	3E-25	18.57776469
PNPLA6	3E-25	14.17730348
KCNA5	3E-25	14.7418424
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ASB1	4E-25	-11.83120814
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ZNF844	6E-25	11.18802538
L3MBTL1	6E-25	-14.12983313
TALDO1	6E-25	-16.66512681
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PRSS3	8E-25	-12.29186326
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PTX3	8E-25	15.44867338
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CDCP1	1E-24	-10.64948482
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FASN	1E-24	-10.1354487
LYPD3	1E-24	13.27336282
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GZMM	3E-24	-12.5113073
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YBX2	6E-24	16.95083082
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DMRTC2	1E-23	-10.73292346
LYPD4	1E-23	-10.73292346
CFAP251	1E-23	-12.66638754
GP9	2E-23	-10.91386911
GUSBP10	2E-23	-11.42679879
C1QB	2E-23	-12.41187879
DEUP1	2E-23	11.20764452
FXYD6-FXYD2	3E-23	13.01044863
FXYD6	3E-23	13.01044863
ERBB2	3E-23	-13.05314578
TNXA	3E-23	12.38314595
C4orf36	4E-23	11.23559475
ARHGAP33	4E-23	-17.01563127
SHANK3	4E-23	12.56764831
SEZ6	4E-23	-13.49013711
DLK1	4E-23	14.06117356
UNC79	4E-23	17.94095531
FAHD2B	5E-23	11.10024688
EXOC3-AS1	5E-23	-11.96042744
HTR6	5E-23	-14.14645766
CCDC144A	5E-23	12.40448254
ACD	5E-23	12.64087067
ASCL2	6E-23	10.66512897

TEX19	6E-23	-14.58709115
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VGLL2	2E-22	11.64467832
LOC105377964	2E-22	11.64467832
MYCBPAP	2E-22	16.9104397
CLEC20A	2E-22	13.10931447
GRB7	2E-22	-13.57379213
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FLVCR2	2E-22	-15.29201985
TTLL5	2E-22	-15.29201985
CSF3	2E-22	-12.88191146
GDPD5	3E-22	11.29002563
WNT10B	3E-22	16.29728422
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OBP2B	3E-22	-18.0559625
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PTGS2	4E-22	11.99537639
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STH	4E-22	-10.18174678
UPK1A	5E-22	-12.72575715
ARAP1	5E-22	11.54699469
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NOC2L	5E-22	10.36206996
ARHGEF7	7E-22	-14.89700889
DCLK3	8E-22	17.71610684
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ALAS1	1E-21	-10.50643845
MIEF2	1E-21	-15.05710512
MED15	2E-21	12.7854486
NIBAN3	2E-21	-12.96531467
CHSY1	2E-21	11.7463995
PERCC1	2E-21	-11.03893457
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TRIM17	3E-21	15.11514578

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JOSD1	4E-21	14.33053779
FGR	4E-21	-12.64215246
MAB21L4	4E-21	-13.9253845
LAMA5	4E-21	-10.57211847
RTP1	4E-21	14.33948634
SHISAL2B	5E-21	16.1190029
SNAP25-AS1	6E-21	11.36328112
LHCGR	6E-21	14.0030429
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CNPY1	7E-21	13.23209349
LLGL2	7E-21	-12.85626401
LINC01016	7E-21	15.4823467
ADAM15	7E-21	13.49028226
LDLRAD4	7E-21	12.82688958
TFAP4	1E-20	14.79577067
SPACA6	1E-20	-11.22094724
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MMRN2	1E-20	-14.03453763
SCARF1	1E-20	-14.14002545
MAG	2E-20	15.61461504
MIR922	2E-20	-14.48962568
PFN3	2E-20	19.41876751
MIR377	2E-20	-12.69674055
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PACS2	3E-20	10.68571439
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TACC1	3E-20	15.4291043
ADAR	3E-20	-13.46415653
APOA1-AS	3E-20	12.45054312
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FBXL6	4E-20	-12.09570965
EVX2	4E-20	10.45828362
ANO7	5E-20	-11.07154641
RAB8A	5E-20	14.10749582
HAPLN4	5E-20	12.53193219
LINC00304	5E-20	11.0629069
KRT18P55	5E-20	12.46249898
TJP3	6E-20	-13.5684921
NGF	6E-20	-12.89848013
SNTB1	7E-20	-11.87004467
PFKFB3	7E-20	-10.63403265
TCF15	8E-20	15.31167347
RIPOR1	8E-20	10.49618583
ARHGAP44-AS	9E-20	13.67954183
BCAR1	1E-19	14.52582536
GTSF1	1E-19	-11.67563805
CCDC185	1E-19	-12.49311874
C5orf49	1E-19	12.2115559
SPEM1	1E-19	-10.0337174

SNORA68	1E-19	-10.12406741
LHFPL5	1E-19	-13.81155815
CLPS	1E-19	-13.81155815
NFYB	2E-19	13.04038655
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SELENOS	2E-19	-15.28841717
ATP11A	2E-19	12.61460143
ZNF696	2E-19	-17.08247008
FMNL1-AS1	2E-19	10.8567487
HK3	2E-19	-13.99668939
NFE2L3	3E-19	-13.06713688
MMP17	3E-19	-10.32490264
ACER2	3E-19	13.13148405
SLC35G2	3E-19	10.808669
APC2	4E-19	12.52791526
PDSS1	5E-19	-10.81503725
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LTC4S	6E-19	12.65016782
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HIC1	7E-19	13.97093448
ZNF695	7E-19	-16.30295361
HOXA4	7E-19	10.37465706
RDH8	1E-18	-11.21405617
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CRACDL	1E-18	13.90365627
ITPKA	1E-18	11.9516991
IQCN	1E-18	14.07476224
GUSBP11	1E-18	12.10137623
SUSD1	1E-18	12.32311772
MEG9	1E-18	-11.13483919
TFF1	1E-18	-11.99222922
MRGPRG	1E-18	-14.48301086
SLC25A34	1E-18	-10.65100877
TMEM121	1E-18	10.18879486
SLC4A3	1E-18	-15.75651325
HMGN1	2E-18	-11.57290675
AVPR1B	2E-18	10.82173051
RSPRY1	2E-18	-10.77853748
DPF3	2E-18	17.13088274
MRPL55	2E-18	11.771611
GSX1	2E-18	14.25201103
LOC441242	3E-18	-14.19681948
ABCG8	3E-18	12.68503069
DOK5	3E-18	14.96203287
MIR4297	3E-18	-10.20237594
LINC00672	3E-18	-14.53970314
MRPS15	3E-18	10.21654861
TCF25	4E-18	10.37909942
LOC105373358	5E-18	-12.95647778
ACP4	5E-18	-11.75113372
TNNI3	5E-18	10.63018561
NR2F2-AS1	6E-18	-12.02035092
RASSF1	6E-18	-16.68659868
F10-AS1	7E-18	11.49490908

SYPL1	7E-18	-10.66766734
DYRK1B	8E-18	-10.80953289
ATG4B	9E-18	11.88853777
HSF1	1E-17	12.28778601
LOC100134040	1E-17	-12.92045363
LOC102723672	1E-17	11.9661959
KCNIP2	1E-17	13.44975384
GAL3ST1	1E-17	-12.70340676
SRSF7	1E-17	-11.66776411
CAPN9	2E-17	-10.33070718
HHEX	2E-17	-14.16031874
TYK2	2E-17	11.48168852
TMEM213	2E-17	11.71830599
ATP6V0A4	2E-17	11.71830599
CHGA	2E-17	11.51887768
FOXP1	3E-17	15.78106029
EIF4E3	3E-17	15.78106029
ZNF608	3E-17	14.18413519
PIK3R5	3E-17	11.88968506
EFR3A	3E-17	-12.27881643
SERPINB9	3E-17	-10.1595031
CD93	3E-17	10.43661809
TBPL2	3E-17	15.38236188
KCP	4E-17	10.63901723
CBARP	4E-17	11.65370302
LOC105377891	4E-17	-10.26301735
ASPG	4E-17	-12.66833139
LINC01410	4E-17	11.54998708
CXCL12	5E-17	16.25404338
USP2-AS1	5E-17	-14.29119915
MIR5691	6E-17	15.56193636
TGIF1	6E-17	-10.28547289
LOC105370791	8E-17	12.23813984
DTX1	9E-17	-13.47233315
RPL18	1E-16	-13.67126497
HID1	1E-16	10.78433086
KAZN	1E-16	-16.96634046
FCHO1	1E-16	-11.57907557
P2RY11	1E-16	-11.79698475
BRSK2	1E-16	10.45817046
FBXL8	2E-16	10.01122528
LZTS1	2E-16	12.99440375
FFAR1	2E-16	-14.31009852
ITM2C	2E-16	-13.0155866
ATG16L2	3E-16	17.2613531
LYPD5	3E-16	12.76924126
SCUBE3	3E-16	13.80958074
ZDHHC8	4E-16	-14.9829728
LINC02827	4E-16	-10.24094015
TMEM109	4E-16	12.26810837
LOC101928215	4E-16	-12.41133309
RTBDN	5E-16	10.77100307
NDUFA13	5E-16	-10.40345799
TSSK6	5E-16	-10.40345799
RECQL5	6E-16	-12.01091343
TMPRSS6	6E-16	11.99923714

MATN4	6E-16	12.84510849
ADAMTS18	7E-16	10.29148994
LOC100507103	7E-16	-11.23805149
FAM181B	8E-16	10.39886154
KRTAP5-5	8E-16	-10.62630882
RAC1	1E-15	10.29784851
GH2	1E-15	-11.47406373
PDXK	1E-15	11.18425954
SOAT2	1E-15	-11.95343257
SBK1	2E-15	10.23126875
CLPSL1	2E-15	12.31064964
C1orf210	2E-15	-10.94498335
PSCA	2E-15	-14.04322737
PKD2L2	2E-15	10.30948169
PKD2L2-DT	2E-15	10.30948169
MIR136	2E-15	-10.66633065
RACK1	2E-15	-11.13221324
ZNF490	2E-15	10.89328162
SLC66A3	2E-15	12.46793531
ERG	2E-15	-10.3790997
ATP13A3	2E-15	-12.00549322
LINC00960	3E-15	10.4388044
LOC102724467	3E-15	-11.3036963
EREG	3E-15	-11.90095852
KRTAP5-8	3E-15	-10.40719995
SNURF	4E-15	14.62726021
SNRPN	4E-15	14.62726021
SNHG14	4E-15	14.62726021
TVP23A	4E-15	-13.05200137
LOC101928160	4E-15	12.30257941
SNORA38	5E-15	11.6909621
FBXL5	7E-15	14.97429391
GFPT1	8E-15	-10.41879388
FGD5	9E-15	-11.79196761
RGPD8	1E-14	12.18501941
MELTF	1E-14	-10.63419289
PSORS1C2	1E-14	-11.46377436
CLEC11A	1E-14	11.96667826
SLC43A3	2E-14	10.21975375
KBTBD12	2E-14	11.07508125
E2F1	2E-14	-11.5608119
VWA1	2E-14	11.49052515
GINS2	2E-14	-14.06327632
PUF60	3E-14	-13.48706015
GLB1L2	3E-14	13.49228199
CCDC144NL-AS	3E-14	-10.17811033
LOC339260	3E-14	-10.17811033
CCDC144NL	3E-14	-10.17811033
GNG7	3E-14	10.12786651
HPN	3E-14	13.64826365
CLU	4E-14	-11.28645569
MIR6843	4E-14	-11.28645569
ZNF670-ZNF695	5E-14	-13.43173106
ZNF670	5E-14	-13.43173106
NAV2	5E-14	11.64782054
CAMSAP1	7E-14	11.38416204

LOC101927855	9E-14	10.13285452
CRACR2B	1E-13	-10.37725317
OR3A2	1E-13	12.51060218
ABI3	2E-13	-11.93560961
TMEM229A	2E-13	14.40664078
INPP5A	3E-13	10.89859129
CGB7	3E-13	18.09892209
MBP	3E-13	-10.36224811
LOC107986083	3E-13	-10.59628731
STPG3-AS1	3E-13	-13.14857588
SHISAL1	4E-13	12.98593054
OSBP2	5E-13	10.90235425
SCTR	5E-13	10.26570798
SH2B1	6E-13	11.86884895
MEAK7	7E-13	10.22053345
SLC34A1	8E-13	-11.34858188
LOC105376350	8E-13	10.03879399
KRBA1	9E-13	14.00887968
PLK3	1E-12	-13.80558594
TRRAP	2E-12	13.28768816
NLRC3	2E-12	-14.49281503
USP36	3E-12	12.33927602
ZPBP2	4E-12	16.75130318
GANAB	5E-12	-10.90548033
ARPC1B	5E-12	-10.75072243
FBLN7	6E-12	12.66262667
INF2	6E-12	10.56796224
CSK	9E-12	-10.90005145
SCT	1E-11	11.03966102
ERICH2-DT	2E-11	10.18385161
ZNF446	2E-11	-11.02619575
SYT8	3E-11	11.38802163
ZC3H3	3E-11	10.04728303
KCNT1	3E-11	-13.96532682
GPR17	3E-11	10.28304935
SLC8A2	5E-11	-14.54296361
LINC02011	5E-11	10.97669079
OPRL1	5E-11	10.64717514
LKAAEAR1	5E-11	10.64717514
AP2S1	7E-11	10.47002507
KIF22	8E-11	-10.53417716
SMG1P2	9E-11	11.64430236
HOXB8	2E-10	-10.7285484
SNED1	2E-10	11.83295055
LOXHD1	2E-10	-10.08647003
STX1A	3E-10	10.44872702
MIR6765	4E-10	-10.79072616
ELN	5E-10	11.20008495
C1QTNF12	9E-10	-13.13648895
ICAM2	2E-09	-10.35230639
PTGDS	2E-09	10.28432622
MINCR	2E-09	-11.67071605
GP1BA	3E-09	-10.2669213
TSPAN33	7E-09	11.16550947
EPS8L1	8E-09	11.18993292
LRRC36	1E-08	-10.93007481

KCTD19	1E-08	-10.93007481
LCN2	2E-08	-11.26493075
RECK	2E-07	11.44602973
DYNC1H1	3E-07	10.05598589

Table S12 Differentially methylated regions between high grade colorecal cancer and normal contorls

Symbol	qvalue	meth.diff
PRKCZ	0	37.9681
WRAP73	0	34.3738
TNFRSF8	0	22.79679
RUNX3	0	42.82218
H2BP2	0	35.53763
H3-2	0	35.53763
MEIS1	0	34.87829
ZSWIM2	0	30.52203
GNAI2	0	24.60393
NLGN1	0	21.55542
RXFP3	0	27.40564
CDO1	0	37.32125
SLC27A6	0	29.33839
TCF7	0	37.90641
TLX3	0	33.90722
ZNF879	0	28.44681
POM121L2	0	27.89294
SAPCD1-AS1	0	50.23115
SPATS1	0	22.22435
SIM1	0	35.01612
RSPO3	0	36.90762
LOC105377993	0	36.90762
LOC105377989	0	36.90762
HOXA2	0	44.74506
ELMO1	0	37.02633
VSTM2A	0	35.79808
EGFR	0	34.40316
DPY19L2P4	0	38.68293
TFPI2-DT	0	42.70028
TFPI2	0	42.70028
STAG3	0	34.42888
GPC2	0	34.42888
AKR1B1	0	26.75362
PENK-AS1	0	31.94266
PENK	0	31.94266
VXN	0	35.26437
ADHFE1	0	35.26437
LOC102724687	0	35.26437
TRPA1	0	23.81237
RSPO2	0	46.80445
LYNX1-SLURP2	0	33.14764
LYNX1	0	33.14764
SPAG6	0	34.77619
PCDH15	0	31.96024
SEC31B	0	38.18317
TLX1	0	34.91946
RNH1	0	42.70969
RIC3-DT	0	26.11899
RIC3	0	26.11899
CLP1	0	34.34276
FGF3	0	38.20114
LOC100507560	0	38.98909

KCNA1	0	38.98909
PTHLH	0	35.30736
HOXC-AS1	0	40.6316
TRHDE	0	39.71865
TRHDE-AS1	0	39.71865
CHFR	0	21.53787
LOC107987187	0	32.61747
NALCN	0	37.36733
LTB4R	0	32.88956
CIDEB	0	32.88956
LINC01551	0	29.8814
HBM	0	31.51273
ZNF75A	0	25.99118
TIGD7	0	25.99118
LOC107984886	0	53.8667
SALL1	0	53.8667
GNAO1	0	30.65426
GNAO1-DT	0	30.65426
CMTM2	0	35.77181
HSF4	0	45.79448
WTIP	0	36.60816
ZNF790-AS1	0	38.6545
ZNF571-AS1	0	42.703
ZNF540	0	42.703
KCNN4	0	45.11305
DM1-AS	0	43.53425
PPFIA3	0	35.77567
SLC17A7	0	40.05974
NR1H2	0	39.46584
ZNF543	0	23.1515
ZNF256	0	30.18297
ZNF135	0	39.94843
ZSCAN18	0	25.71156
ZNF132	0	30.1073
VSX1	0	47.1562
MIR124-3	0	41.31864
SIM2	0	40.54775
AGPAT3	0	-41.83
LINC01231	8.1723398478(	30.46516
OBI1-AS1	8.4895546957	30.59812
EDNRB	8.4895546957	30.59812
ZNF530	1.0771430971(	20.50659
UCN	5.8366846400	36.40198
MAJIN	1.1203555306(	38.37463
GRK6P1	1.6441268674	42.4735
MIR9-3HG	1.2711332449	24.63332
ZNF781	9.0440032797(	19.65348
FAM163A	0	32.30658
MAP10	0	20.57608
PCDHGC4	0	30.86108
LHFPL3	3.9016E-306	32.32368
TCF24	6.8682E-306	44.1878
LOC284798	1.8855E-305	30.03723
ZNF773	2.4576E-305	19.04028
LRRC4	4.8159E-305	41.2436
PRDM13	1.4413E-303	23.86198

FBN2	1.4918E-303	37.05918
C8orf34	6.0879E-303	38.58514
FEZF1-AS1	1.4359E-302	26.90685
COL4A1	1.4816E-301	40.44525
FGF14	1.9269E-301	31.53212
SOX2-OT	1.1343E-300	29.15228
LYN	4.7999E-300	33.70517
GFRA1	2.0575E-297	35.83417
PDE4D	2.0852E-294	34.0327
ZNF229	2.4139E-294	26.29273
CCDC106	2.6008E-292	41.43521
LOC105371209	4.5897E-292	52.01158
DDAH2	4.4105E-291	32.29069
CADM2	6.275E-291	28.43555
LBX2	1.6955E-290	30.74296
NEFM	3.6681E-290	22.83764
COPB2-DT	5.9528E-290	30.90656
RBP1	5.9528E-290	30.90656
NID1	9.6904E-289	27.64396
CDH8	1.283E-288	33.71532
HLA-DPB1	2.4971E-288	48.40014
HLA-DPA1	2.4971E-288	48.40014
ZNF331	8.4813E-287	27.14452
NOVA1-DT	5.1885E-286	43.40049
NOVA1	5.1885E-286	43.40049
A1BG	1.2175E-284	35.32932
FBLIM1	2.7576E-284	44.05122
BRINP3	4.1873E-284	32.19804
LINC00461	7.7724E-284	40.20055
ZNF415	1.0752E-283	31.04997
PTPRS	5.8174E-282	35.51273
MSC-AS1	7.6708E-282	37.41594
IZUMO1	2.6861E-281	38.81152
MIR29B2CHG	1.5621E-280	38.46346
SPX	4.1872E-280	18.24017
ZNF625-ZNF20	1.4741E-279	37.84455
ZNF625	1.4741E-279	37.84455
HDAC9	2.7462E-279	32.03964
ATP4A	3.5007E-279	40.01209
NIM1K	9.0919E-277	23.12645
RNF165	2.2678E-276	27.30197
S1PR1	6.0259E-276	28.43124
S1PR1-DT	6.0259E-276	28.43124
KCNK9	9.6538E-276	47.28025
RPL39L	2.5559E-275	27.97912
SPEGNB	3.4931E-275	41.06817
IGF2-AS	4.6393E-275	38.10368
SEPTIN9	1.7092E-274	27.21155
COL25A1-DT	4.035E-274	35.47956
COL25A1	4.035E-274	35.47956
FOXD2-AS1	6.4297E-273	43.21156
DSC3	7.5934E-272	22.00431
GATA5	5.8988E-271	40.07524
TBX15	9.7725E-271	33.29062
VWC2	8.5784E-270	27.42436
LSAMP	1.3019E-268	29.32013

SERTM1	2.2339E-268	39.59843
ZFHX4	7.5083E-268	38.14896
LOC107986952	7.5083E-268	38.14896
HRK	2.6267E-267	25.08836
ZNF813	1.539E-266	27.48387
ZNF418	6.6058E-266	40.27221
RBPMS	3.8059E-265	31.46047
ZNF134	1.9759E-263	22.32634
NMD3	4.5987E-263	32.097
B3GALNT1	4.5987E-263	32.097
PCDHGA8	1.4257E-262	28.3555
KCNB2	8.8261E-262	32.98957
PLEC	2.836E-261	38.68748
DPY19L2	3.5907E-261	18.77534
HMX2	2.9393E-259	20.65857
NKX6-2	1.0786E-258	32.56436
CCNA1	1.2155E-258	29.31452
LINC01248	1.6518E-258	26.22244
SV2C-AS1	1.7065E-258	28.6532
CASR	1.78E-258	26.59166
LOC107986395	2.9731E-258	26.42386
LOC100286906	4.785E-257	29.06995
SFRP1	6.2701E-257	31.03881
ARRDC2	4.6806E-256	31.27981
SNTG1	1.9989E-255	35.16671
CCDC140	4.439E-255	24.90531
ACSS3	4.439E-255	31.71621
SCAMP4	1.1576E-254	-31.6958
MIR4435-2HG	3.9771E-252	43.10551
TBXT	7.6763E-252	30.19964
LINC02788	8.415E-252	38.26071
LINC02609	8.415E-252	38.26071
SPHKAP	9.0673E-252	40.36007
ZIC5	1.0273E-251	36.51269
SUN1	9.2741E-251	34.50193
ADGRA1	4.3582E-250	29.37858
ADGRA1-AS1	4.3582E-250	29.37858
ZNF304	4.8555E-250	41.33307
ADAM23	9.12E-250	23.34109
CCDC169-SOHL	1.9405E-249	32.93071
CCDC169	1.9405E-249	32.93071
GLB1L3	2.5131E-249	17.60067
COL23A1	6.9814E-249	29.86487
USP44	2.4403E-248	29.79523
VAT1L	3E-248	21.14056
RAB6C	3.1017E-248	24.76322
ZNF43	7.9647E-247	30.00888
LINC00354	3.0047E-246	49.43669
NPPC	5.8801E-246	30.90189
LAYN	7.037E-246	39.16316
ZSCAN12P1	1.79E-245	30.56428
HOXA7	8.0654E-245	21.07714
CMTM3	7.2104E-243	29.6467
TRIB2	2.6014E-242	12.68791
BCL3	1.2611E-241	24.90153
MCTP1	2.839E-241	24.39016

MAGI2-AS3	3.6974E-239	41.09819
MAGI2	3.6974E-239	41.09819
NDRG4	4.9651E-239	35.99498
RELN	1.286E-238	33.40352
ABCC9	2.7992E-238	25.05774
THCAT155	4.7814E-238	31.70726
HSD17B12	1.5849E-237	23.98291
LOC107987270	2.5693E-237	31.87447
ZNF655	1.9916E-236	20.15414
TMEM225B	1.9916E-236	20.15414
FAM200A	1.9916E-236	20.15414
RYR2	2.3198E-236	36.25226
SLC6A2	2.712E-236	28.83119
SOX21-AS1	6.6086E-236	34.5337
ZNF419	1.5673E-235	13.36112
YPEL3-DT	3.2172E-235	42.81195
YPEL3	3.2172E-235	42.81195
RALYL	2.6194E-234	35.02907
ADAMTS5	5.2687E-234	32.79635
ZIC4	5.4613E-234	34.23309
SFTA3	6.3508E-234	32.05409
GLIS1	1.3892E-233	18.52063
DKK2	7.3197E-233	33.77068
NELL1	1.1025E-232	43.74572
ZNF547	2.137E-232	14.82278
TRAPPC2B	2.137E-232	14.82278
ZNF350-AS1	1.7E-231	28.75248
LINC02418	3.4386E-231	36.45067
FEZF2	3.3736E-230	27.94337
SLC22A31	4.1621E-230	29.47491
LINC01210	4.9956E-230	23.34108
RASGRF1	1.2657E-229	26.80522
LOC105375630	4.0046E-229	39.02487
SLC6A15	5.5665E-229	24.38016
NPR3	8.843E-229	14.26779
UNC5C	1.6749E-228	30.75549
LOC105374996	3.7982E-228	24.32072
COL4A2	9.8865E-228	-46.8808
EPHA7	1.0117E-227	22.09098
LINC01122	1.6451E-227	18.69461
PTF1A	2.2952E-227	30.47032
MGAT4B	2.2841E-226	40.52246
GRM2	9.3603E-226	32.22992
GRM7	1.2465E-225	29.88966
F7	1.2613E-225	64.88597
EPHA5	1.6979E-225	23.79027
LOC728485	2.8883E-225	15.27238
ZNF850	2.8883E-225	15.27238
ANKRD23	3.4701E-225	34.47397
ANKRD39	3.4701E-225	34.47397
ARHGEF1	4.3934E-225	-34.5659
LINC01535	9.2154E-225	30.21427
EMILIN3	2.1205E-224	34.6103
LOC101927851	1.6059E-223	-30.0148
MAN2B1	2.525E-223	35.14939
GALNT13	2.9363E-223	39.67616

ST3GAL1	1.2103E-222	27.9819
CKB	3.1913E-222	29.25919
ANKRD7	5.0888E-222	29.33869
ZNF154	7.7635E-222	33.72944
NUP155	8.9876E-222	22.42526
IKZF1	9.8017E-222	29.82865
ATP6V0CP3	1.0212E-221	39.62305
LINC01388	1.8674E-221	18.42246
CACNA1E	4.8051E-221	28.43289
GPR158-AS1	8.5756E-221	30.84411
NRN1L	1.6883E-220	39.55771
DLX6	1.7921E-220	35.93194
NALF1	2.0761E-219	29.04037
CHRDL2	2.3462E-219	28.13944
GHSR	9.4257E-219	36.1116
MPPED2	9.9081E-219	15.92055
CEROX1	4.0033E-218	26.53535
PRKCB	1.3264E-217	24.22761
LOC105376586	1.3631E-217	35.04295
LRBA	2.1113E-217	35.36733
PHF19	4.3169E-217	40.92427
DBX1	4.3362E-217	33.23583
NPY	4.3452E-217	42.42985
ZNF461	5.6327E-217	19.89082
AOX1	6.4369E-216	19.22764
LOC105369759	9.1134E-216	16.53077
CNTNAP5	1.2638E-215	38.10544
GNAO1-AS1	1.2898E-215	18.22785
RFX4	1.9196E-215	35.83184
AQP5	3.936E-215	35.87857
GLT8D2	4.9876E-215	25.58673
C8orf48	3.2084E-214	26.95248
TRIM71	3.6704E-214	29.00955
RABL6	3.8194E-213	26.64779
HOXC9	4.8248E-213	37.36471
GAL3ST3	5.5303E-213	32.69437
BDNF	5.5345E-213	33.44136
GSTA4	1.6381E-212	39.30551
LRFN5	2.1869E-212	31.65992
SPART	7.09E-212	31.8101
PCDHGB4	7.9672E-212	30.47966
HELT	1.7179E-211	26.40305
SLC6A7	1.7719E-211	49.75222
HOXB-AS1	1.4341E-210	31.36313
TBC1D30	9.0778E-210	24.81429
IFITM1	1.0965E-209	-25.1996
RAB3C	2.7254E-209	21.52709
TP73-AS1	1.08E-208	24.74266
GPR83	2.0224E-208	36.5419
SPON1	2.8385E-208	22.44871
PRKAR1B-AS2	3.0794E-208	29.82267
TBX18	5.2768E-208	19.25645
TP73	7.8483E-208	27.84043
MATK	8.0752E-208	29.76144
PSMB9	2.2073E-207	-42.1615
SOX1-OT	2.938E-207	44.9293

LINC01230	3.4565E-207	29.54429
HOXA5	5.1311E-207	40.15864
C9orf50	9.699E-207	49.04258
EIF4E1B	1.5684E-206	21.28914
SNCB	1.5684E-206	21.28914
MIR4281	1.5684E-206	21.28914
HSD17B14	1.9441E-206	35.99895
HECW1	5.6677E-206	33.71849
PPP1R14A	7.5897E-205	27.73077
CCDC13	8.6526E-205	10.6121
LOC780529	1.2741E-204	36.81476
PEX5L	1.7701E-204	29.48808
ZNF492	2.5441E-204	36.11329
DRC1	3.8373E-204	17.65669
LOC105369614	2.2631E-203	36.41187
LOC105371332	4.1514E-203	25.47672
PRR36	6.7725E-203	37.65115
IGFBP3	5.9403E-202	24.81211
ZIM2-AS1	7.7271E-202	27.60102
KCNQ1DN	9.8094E-202	27.87941
ANKRD19P	2.1721E-201	30.23017
SPIRE2	2.3443E-201	-24.924
FANCA	2.3443E-201	-24.924
SNAP25	1.1342E-200	29.03532
LTBP3	1.3578E-200	24.58481
PLD5	1.4099E-200	34.96328
APCDD1L-DT	2.0431E-200	38.47225
CCDC17	4.1234E-200	34.82976
KCNG1	4.5003E-200	34.00088
C7orf57	1.3387E-199	16.76188
LTBP4	2.2055E-199	39.07063
GALNT16	2.4791E-199	29.33315
LBX1-AS1	5.245E-199	25.69938
ZNF548	6.2057E-199	23.78066
ZNF17	6.2057E-199	23.78066
TSLP	1.4231E-198	33.20173
ITGA4	1.9054E-198	23.04792
ORAI3	2.2718E-198	32.10726
TXNRD1	3.7656E-198	13.3441
LRFN5-DT	1.2082E-197	26.26112
TAC1	2.2244E-197	24.90795
DRAIC	3.4561E-197	-30.8145
SLC12A4	6.3485E-197	31.52841
IFT140	8.3019E-197	24.76443
ADAMTS20	1.144E-196	34.12947
DEFB135	1.8548E-196	-38.9536
COL7A1	2.3075E-196	25.54162
PDLIM4	3.5551E-196	34.54223
ESR1	4.0028E-196	28.96175
CFAP54	4.8999E-196	17.01803
SYT6	1.6353E-195	25.72771
KCNN2	5.4977E-195	29.60588
CXCL12	6.0524E-195	16.41032
OTP	6.2087E-195	27.11307
ADRA1D	6.5569E-195	24.26484
GPR146	8.9002E-195	38.17598

C7orf50	8.9002E-195	38.17598
HAND2-AS1	1.5835E-194	30.55746
HAND2	1.5835E-194	30.55746
FLRT2	6.1782E-194	25.48095
LOC100506731	6.1782E-194	25.48095
LINC02110	1.2448E-193	29.93835
GDNF-AS1	1.2448E-193	29.93835
GDNF	1.2448E-193	29.93835
GSDME	1.174E-192	19.7786
IL12A-AS1	3.5125E-192	34.28752
TMCO3	3.5394E-192	37.11713
ZNF793	4.4905E-192	33.0664
ZNF793-AS1	4.4905E-192	33.0664
PCDH8	4.733E-192	21.63185
LINC00472	7.3954E-192	34.77238
PIWIL1	1.0973E-191	27.87194
TPTE2P5	1.3635E-191	-41.1264
SUGT1P3	1.3635E-191	-41.1264
CALY	1.5585E-191	19.94233
HTR1B	2.1795E-191	27.62303
KCNK12	4.4803E-191	25.4588
ADCY8	6.2135E-191	39.27749
FNDC1	6.7353E-191	29.86313
LINC00665	1.9023E-190	31.63569
FAR2P2	2.258E-190	17.95913
FAM182B	2.5873E-190	19.10012
LOC101926935	2.5873E-190	19.10012
ZNF568	3.6316E-190	27.71532
ZNF829	3.6316E-190	27.71532
C8orf34-AS1	6.6185E-190	36.28517
COL24A1	6.9943E-190	19.11773
SELENOV	7.4477E-190	22.87049
HLA-V	1.1281E-189	32.33981
FOXL2NB	3.35E-189	22.28379
FOXL2	3.35E-189	22.28379
CMIP	3.7893E-189	26.98299
LAIR1	8.8237E-189	-29.0793
INSC	1.383E-188	37.53887
ZIK1	1.542E-188	38.45453
ADCYAP1	2.1863E-188	29.6253
POU3F2	4.6939E-188	22.99587
CYTH1	8.8351E-188	40.47525
KIFC3	1.3873E-187	45.46822
NR5A2	3.7441E-187	32.07118
MDGA2	6.1022E-187	28.54104
ATP2A1-AS1	6.8886E-187	32.12238
FADS2	8.3009E-187	27.49191
THBD	1.2536E-186	27.95147
ZNF701	1.2559E-186	23.71765
TBX20	1.2761E-186	37.50743
BASP1	2.3379E-186	15.643
BASP1-AS1	2.3379E-186	15.643
SYT1	2.6793E-186	29.56704
LVRN	9.8759E-186	34.0097
SYT3	1.1526E-184	30.19471
ZNF570	1.3205E-184	19.50163

ZNF569	1.3205E-184	19.50163
LAMP5-AS1	1.9062E-184	23.50346
GABRB2	2.6115E-184	28.61429
KY	3.1398E-184	23.83875
CHRNE	3.28E-184	37.26234
NR1I2	4.3217E-184	26.03429
MKX	4.4212E-184	23.4278
NRP2	9.5794E-184	34.45877
DPYSL5	1.3652E-183	32.72041
C12orf56	1.9812E-183	29.99394
SGIP1	3.1247E-183	31.40669
DDIT4L	4.2232E-183	32.22508
MEIS2	7.5968E-183	33.18572
C17orf107	1.1299E-182	28.54849
PBX1	4.2477E-182	32.16877
VASH1	4.6359E-182	21.11835
LOC105370577	4.6359E-182	21.11835
RSPH6A	6.2547E-182	33.10828
MIR129-2	1.9433E-181	34.43777
LINC02106	1.9644E-181	30.30794
STK31	3.9494E-181	-28.2879
NR2E1	7.5236E-181	27.85778
FOXG1	9.1898E-181	23.77368
FOXG1-AS1	9.1898E-181	23.77368
H3C6	1.0032E-180	30.2474
LRRC4C	1.0161E-180	25.29001
LINC01356	1.7282E-180	-37.1177
GRIA4	2.5407E-180	25.9895
VCAN	3.8716E-180	34.36512
FRZB	6.2443E-180	29.67955
SHANK2	6.2703E-180	31.63504
MDGA1	1.69E-179	36.94822
IRF4	1.7074E-179	33.23593
BEND4	1.9071E-179	24.55925
AKAP12	2.4598E-179	35.88757
LCAT	3.6192E-179	48.54867
SNX32	3.7018E-179	30.95981
DPYS	5.6661E-179	35.38101
LINC00237	1.5104E-178	42.24856
FOXC2	3.3915E-177	19.60212
POU4F3	1.0804E-176	29.61299
ZEB2-AS1	3.2759E-176	25.03158
ZEB2	3.2759E-176	25.03158
MIR3195	3.3192E-176	40.7811
WT1	3.3956E-176	30.12461
FLI1	4.2247E-176	21.32744
SLC12A5	5.6133E-176	24.76262
LOC105372632	5.6133E-176	24.76262
SLC12A5-AS1	5.6133E-176	24.76262
GUCY1A2	7.0216E-176	30.18452
MIR9-3	1.5989E-175	24.75805
ZNF582-DT	1.8136E-175	29.0397
ZNF582	1.8136E-175	29.0397
FGF5	2.2092E-175	31.2371
LOC101928416	3.0686E-175	33.5753
VEPH1	4.7843E-175	18.29868

SPART-AS1	6.2073E-175	25.77506
ZNF264	7.0811E-175	14.98801
ALG10B	9.4009E-175	17.43399
BMP4	3.0084E-174	-33.2855
ZNF347	4.7673E-174	19.19205
ACTA1	5.5885E-174	28.93971
GRID1	6.6194E-174	20.7369
DNAH1	7.2216E-174	33.546
MIR663B	7.287E-174	35.31686
NPTX1	9.3006E-174	33.54926
ZNF578	1.1629E-173	26.04501
PROSER3	1.7261E-173	36.71583
HSPB6	1.7261E-173	36.71583
LIFR-AS1	2.018E-173	25.38475
LIFR	2.018E-173	25.38475
NRN1	5.0271E-173	27.34806
PPP1R3C	5.4539E-173	27.57973
LOC107986790	7.3232E-173	29.68258
ADRB3	1.5027E-172	23.23352
CNTN4	3.6023E-172	30.38279
DNASE1L2	6.892E-172	37.18265
CNGA3	7.6415E-172	32.97367
MMP16	9.4496E-172	34.18902
ADAMTS10	1.3799E-171	18.91618
FAM184B	2.4391E-171	33.89141
GRIK3	3.2714E-171	23.63016
NECAB1	3.7511E-171	33.25949
LOC105375633	3.7511E-171	33.25949
CHST8	7.1433E-171	21.9259
MSC	8.2945E-171	37.70194
PDE6B	9.4502E-171	29.97097
FHL2	2.0748E-170	-27.7146
RNF220	2.43E-170	29.88353
FGF10	2.8889E-170	30.0578
TEN1-CDK3	3.2635E-170	33.05346
BRD4	5.3555E-170	33.03191
ARHGEF39	5.7024E-170	28.63932
LUZP2	8.2108E-170	28.70255
RASAL3	2.162E-169	29.64844
ANKLE1	2.5531E-169	30.43932
ZNF549	2.5958E-169	21.01691
LOC100128494	4.2572E-169	27.78128
NUMA1	4.2572E-169	27.78128
LOC440982	4.4808E-169	30.69805
CFAP44	6.9879E-169	25.29747
ARHGAP27P2	2.0654E-168	26.7671
LOC392232	2.158E-168	32.55724
RBFOX3	2.6438E-168	34.00454
ZNF804A	1.0776E-167	25.84978
ZNF141	1.634E-167	19.69989
LOC105374336	1.634E-167	19.69989
HCG4	1.8905E-167	22.44793
LOC105370802	2.4247E-167	28.32241
DDIT4L-AS1	2.5044E-167	27.79949
PAX7	2.6366E-167	29.05362
SLC30A2	3.5736E-167	24.02987

LINC02674	5.1708E-167	27.55325
PDE10A	5.5729E-167	34.33539
PRDM16-DT	5.7858E-167	33.78432
BHLHE23	5.9542E-167	40.41556
ZNF528-AS1	6.0033E-167	28.77152
BCAN	1.4554E-166	27.95386
TNFRSF25	1.4591E-166	29.1741
FBXL7	2.2044E-166	30.42008
MAD1L1	4.5925E-166	-32.5262
LRRC9	6.9975E-166	23.61171
ALX4	1.0702E-165	30.36338
DMGDH	1.0959E-165	34.61694
NAALAD2	1.1209E-165	23.69914
LOC107984273	1.2529E-165	27.86206
FADS1	1.7523E-165	20.63431
MIR1908	1.7523E-165	20.63431
LINC02696	2.755E-165	28.8592
ZNF814	5.8869E-165	30.4095
CXCR4	7.755E-165	13.52291
FEZF1	8.1306E-165	38.38146
RIPPLY2	9.6499E-165	27.39915
ZNF480	1.0675E-164	23.12016
AVPR1A	1.6034E-164	25.51566
SMPD5	1.8378E-164	29.16726
SNCA	2.9368E-164	22.41543
EPHX3	3.2705E-164	34.67041
GHR	7.5109E-164	17.15693
VASH2	8.2516E-164	17.74905
LOC105375879	1.6015E-163	39.27643
EPHA8	7.3213E-163	34.15789
ARHGAP20	1.2203E-162	38.78948
VAV3	2.3277E-162	25.5832
TMEM108	3.0426E-162	32.04557
ARSI	4.3393E-162	35.82974
PPFIA2	1.3615E-161	23.00288
MYO15B	2.7568E-161	27.92864
LOC105372558	3.1426E-161	33.95658
NKX2-4	3.1426E-161	33.95658
LOC105369568	3.2259E-161	23.09161
LOC101929538	3.2259E-161	23.09161
HSPA7	6.7277E-161	30.49008
MAD2L2	6.7447E-161	21.42403
EFCAB1	1.1409E-160	32.25615
PKIA	1.9236E-160	35.57796
STOX2	4.1476E-160	25.8414
PREX2	9.8135E-160	38.00976
LINC00642	9.952E-160	36.49631
LINC02317	9.952E-160	36.49631
WT1-AS	1.0698E-159	30.6302
SLC4A10	1.1642E-159	30.04237
HLX	1.1665E-159	14.40888
CRYBG2	1.3927E-159	28.72535
HOXC13	1.8289E-159	31.90707
ZDHHC22	2.0307E-159	45.77577
EN1	4.8159E-159	21.14286
CGB5	5.5507E-159	-36.7222

PHOX2B-AS1	6.2759E-159	42.83945
EBF3	7.9875E-159	32.91313
ARHGAP27	1.2896E-158	35.80558
ADGRL3	8.8585E-158	37.08681
SRRM4	1.758E-157	33.94527
PTGFR	2.1181E-157	35.95646
TFAP2A	3.958E-157	41.46442
LOC101927646	4.047E-157	-25.3417
GATA2	4.5289E-157	39.76079
PABPC3	7.0027E-157	32.70515
SLC45A4	7.1998E-157	-57.0832
ST6GALNAC5	7.4687E-157	22.92389
ZNF610	1.2893E-156	21.28139
CCKBR	2.4291E-156	17.8687
ZNF471	2.8677E-156	30.22399
ZNF730	2.8715E-156	28.0791
CHRM2	3.2559E-156	36.48475
ZNF148	6.7431E-156	41.54762
ADD2	8.6304E-156	32.25732
C10orf53	1.2051E-155	26.75166
TACR3	1.7338E-155	26.53793
WNT2	2.9878E-155	32.41436
MAP1B	4.6519E-155	18.82738
MTSS2	5.1148E-155	29.77077
ZNF729	1.1942E-154	41.00916
CYP2W1	1.2362E-154	25.1106
EGFLAM	1.37E-154	29.3397
PM20D1	2.2071E-154	29.66444
ZNF677	2.6356E-154	32.68512
TBR1	2.6992E-154	31.05327
GCM2	3.6067E-154	28.77921
MIRLET7BHG	4.6131E-154	-32.8602
PPT2	5.8213E-154	28.09406
PPT2-EGFL8	5.8213E-154	28.09406
PRRT1	5.8213E-154	28.09406
HLX-AS1	9.7733E-154	21.17953
HCK	1.8307E-153	14.64945
CARTPT	2.2703E-153	35.81494
KRT7	2.3244E-153	38.75454
MIR8085	2.987E-153	37.6808
SLC10A4	3.8699E-153	31.20206
LOC105372473	4.0511E-153	35.1106
CDK2AP1	1.4617E-152	40.82579
CDC25B	1.4712E-152	13.04161
RDX	1.5505E-152	24.15998
ZNF529-AS1	1.5572E-152	11.43667
ZNF529	1.5572E-152	11.43667
LOC107986838	1.7979E-152	19.22578
SYNE1	2.0406E-152	19.81722
FAIM2	2.55E-152	41.4592
LINC01558	3.1492E-152	-37.82
MORC2-AS1	3.7592E-152	22.81041
OTX2	4.1286E-152	31.99051
KCNIP4	4.5604E-152	20.65962
CD1D	6.9959E-152	14.5994
LOC105370455	8.3093E-152	32.32175

CRACDL	9.6287E-152	25.49238
HOTAIR	1.4147E-151	34.53387
C19orf67	2.3891E-151	40.91283
ALOX12	2.694E-151	27.2956
PIK3R1	2.695E-151	20.35379
LOC107985939	2.9278E-151	23.84757
CNRIP1	3.37E-151	38.10634
PAUPAR	3.7821E-151	28.31369
ZNF880	4.7044E-151	24.47101
CDH2	6.3676E-151	21.26581
CA9	9.422E-151	29.29664
TTC36-AS1	7.8713E-150	34.52153
ARHGEF7-AS2	1.034E-149	21.43554
ARC	1.2114E-149	23.27139
LINC00888	2.2586E-149	11.1652
MIR3650	4.6936E-149	25.52183
GNE	4.9948E-149	25.10312
CD40	5.5072E-149	23.93752
ZSCAN1	5.5443E-149	38.72997
ODAD2	5.7799E-149	16.09571
ASIC3	6.681E-149	15.64309
PLCD1	1.1577E-148	23.44962
ZNF334	1.4419E-148	20.89082
ATG9B	2.0653E-148	36.52726
GDF6	2.5642E-148	38.8086
ST6GAL2	4.2096E-148	21.26443
IGF2	4.3217E-148	29.07949
PROX1-AS1	4.4014E-148	32.39586
CA11	6.5716E-148	-43.5868
MIER2	6.8792E-148	28.32793
MYH9	7.5679E-148	19.59526
PDE4C	2.4241E-147	18.25793
TM6SF1	2.5117E-147	24.25021
CH25H	3.4354E-147	12.42175
FGF12-AS2	5.4701E-147	38.45467
LOC388282	7.784E-147	-29.4492
SLFN12L	8.5764E-147	25.5712
C6orf58	1.189E-146	21.35774
SOGA3	1.189E-146	21.35774
CHRNA4	1.6574E-146	40.80674
LOC107986930	1.972E-146	28.68733
NKX2-6	1.972E-146	28.68733
MN1	2.4479E-146	17.48848
CHAT	4.0049E-146	29.17458
MME	4.3052E-146	14.36163
IGFBP5	4.3056E-146	35.49591
LOC101929534	4.8432E-146	21.69503
LINC00882	4.8432E-146	21.69503
LOC107986021	4.8432E-146	21.69503
LINC01414	8.4198E-146	33.95029
HEY2-AS1	8.8779E-146	20.72647
TWIST1	1.4045E-145	35.06263
KIAA1217	1.756E-145	26.6486
CDIP1	2.1171E-145	15.33603
ALX1	2.3388E-145	28.72178
THSD7A	3.2243E-145	17.30912

KCNH3	5.7361E-145	36.9206
NINL	8.8594E-145	29.65982
ANKRD60	1.0793E-144	25.54582
AK5	2.0129E-144	30.53848
CNTNAP2	2.0921E-144	45.61218
ZNF329	2.7332E-144	30.98024
COX7A1	3.6503E-144	34.71049
SLC6A5	4.1863E-144	40.3124
LINC01305	4.6285E-144	22.78708
ACADL	4.7396E-144	19.33513
LINC02587	5.0052E-144	24.45765
NELL2	1.0896E-143	21.35929
DYRK1B	1.8137E-143	17.04845
LEMD1	2.2902E-143	25.86358
BLACAT1	2.2902E-143	25.86358
FAM237A	2.3254E-143	33.34531
CIDEA	2.5689E-143	32.4327
ARHGAP45	3.597E-143	-26.8727
CCK	3.6248E-143	39.07429
PHF21B	4.4372E-143	18.40289
LINC02350	1.4012E-142	28.16921
LOC101927531	1.4012E-142	28.16921
LOC105379613	1.4012E-142	28.16921
RXRG	1.8368E-142	27.19809
PAX5	2.336E-142	37.76156
PALM2AKAP2	2.4053E-142	26.6116
SST	4.2112E-142	26.20148
TACR1	5.3161E-142	17.28948
CIT	1.1134E-141	33.41263
PCSK2	1.237E-141	33.15373
AHRR	2.2375E-141	17.43956
EPHX4	7.2761E-141	-32.2543
LOC644554	9.4638E-141	39.56974
ZNF573	9.4638E-141	39.56974
LOC105372394	9.4638E-141	39.56974
MSX1	1.3335E-140	41.52948
VIM	1.3437E-140	19.30879
VIM-AS1	1.3437E-140	19.30879
LOC100996662	4.248E-140	32.82833
TMEM179	5.6538E-140	22.35864
SDHAP3	6.043E-140	19.76595
C3orf14	6.2161E-140	24.33896
PTPRG-AS1	6.2161E-140	24.33896
DPP10	8.6308E-140	30.48961
LOC107985937	8.6308E-140	30.48961
DPP10-AS1	8.6308E-140	30.48961
WNT5A	2.2301E-139	12.70714
SIRPA	6.0811E-139	11.47373
LOC102724545	6.0811E-139	11.47373
DPY19L2P1	1.0276E-138	19.45169
SFXN5	1.9025E-138	19.44928
LOC105374800	1.9025E-138	19.44928
LHX3	2.6942E-138	30.63975
FOXI3	2.7375E-138	23.83073
TRPC4	5.3353E-138	33.84031
HOXA-AS2	1.1694E-137	-27.7886

AQP1	1.2998E-137	23.63331
PHOX2A	1.3074E-137	36.06439
VWDE	1.475E-137	17.97691
LOC401463	1.7974E-137	27.48244
FOXC2-AS1	2.5806E-137	19.27445
PHLDA3	3.8623E-137	24.94575
MAP3K11	5.7157E-137	18.64876
ZNF502	7.5472E-137	12.76867
DBX2	7.6774E-137	26.88944
NTSR2	9.5277E-137	25.41124
HCN1	1.145E-136	33.10982
ZNF560	1.2023E-136	28.43243
FUZ	1.3533E-136	22.18149
ITPRIPL1	1.6054E-136	26.04856
LINC01475	1.6271E-136	31.53558
SLCO4C1	2.0536E-136	13.96609
VAV3-AS1	3.1982E-136	27.61662
CREB5	3.5411E-136	37.63581
EVX1	5.9607E-136	20.03074
TSPAN4	6.5768E-136	37.26315
CYP7B1	6.9374E-136	36.59889
CNTN5	7.2023E-136	26.4603
SFMBT2	7.205E-136	34.47017
TSPYL5	2.5717E-135	28.87455
DRD4	3.3701E-135	36.45925
ZDBF2	3.7827E-135	25.79389
EMX2OS	6.9717E-135	15.97887
BSCL2	7.027E-135	12.46055
CCNI2	9.5953E-135	-38.2308
IL12RB2	1.0603E-134	21.15204
ACOT11	1.5184E-134	39.21667
KATNAL2	2.5311E-134	28.62648
LONRF2	2.6489E-134	38.43535
ANPEP	2.8352E-134	23.50353
POU2F2	3.3525E-134	47.60299
LRRN1	3.7642E-134	27.0145
LOC100130207	3.7642E-134	27.0145
ZNF835	3.8598E-134	33.26275
CGB7	4.1222E-134	25.61889
EVX1-AS	5.4942E-134	19.97032
ZNF433-AS1	5.8391E-134	11.36105
ZNF433	5.8391E-134	11.36105
SEMA6D	6.0967E-134	26.97598
MARCHF11-DT	6.2964E-134	33.66213
MARCHF11	6.2964E-134	33.66213
CARMIL2	7.226E-134	33.85578
ROPN1L-AS1	7.643E-134	13.53088
CCDC105	8.3539E-134	40.82457
SLC1A6	8.3539E-134	40.82457
LINC01412	9.3581E-134	26.61055
LINC00643	1.0085E-133	31.54944
OLIG3	1.165E-133	25.03507
ZNF709	2.1843E-133	30.04872
LOC101928188	2.2001E-133	-34.1992
NKX2-2	2.7649E-133	32.28477
LOC107986669	3.2859E-133	25.29609

PRR18	3.2859E-133	25.29609
WFIKKN2	3.8087E-133	26.9952
SLC43A3	5.0506E-133	22.87664
FAM78A	8.2133E-133	13.21615
ECEL1	8.6437E-133	32.28836
KHDRBS2	1.2943E-132	32.56895
LOC105374338	1.4918E-132	27.81961
TMEM271	1.4918E-132	27.81961
MYO3A	2.1768E-132	25.68713
XKR4	3.5992E-132	33.13308
LINC02767	4.5836E-132	24.70261
GCSAML	4.7704E-132	-45.9732
DNAI1	6.849E-132	26.52004
PAX3	2.5179E-131	21.8346
PCDH7	3.0424E-131	34.58497
UTF1	3.3718E-131	25.47758
NTNG1	3.6329E-131	30.66002
ELFN1-AS1	5.2764E-131	-48.5277
ELF3	5.7541E-131	-28.2874
ELF3-AS1	5.7541E-131	-28.2874
MFSD2B	5.985E-131	14.71105
DCC	6.2648E-131	19.04256
ZNF536	7.8128E-131	29.01305
BARHL1	8.7923E-131	19.08505
TNFSF14	1.0262E-130	-38.2037
LBX1	1.3212E-130	16.22802
SNCA-AS1	1.3352E-130	25.61571
LINC01101	1.6914E-130	-36.6119
SLC6A11	2.0098E-130	34.48423
AFG3L1P	2.2094E-130	26.38161
CENPBD1P	2.2094E-130	26.38161
FBXL16	2.408E-130	32.56038
EFEMP2	2.4679E-130	35.64525
SIX1	3.1855E-130	12.76575
SLC22A2	3.1964E-130	34.10358
TIMM13	3.5289E-130	24.24172
PTPRZ1	4.4586E-130	24.44835
GATA4	5.8456E-130	18.67848
PTPRN2	6.3739E-130	17.75903
HOXA-AS3	7.3194E-130	22.31589
WNK4	1.3592E-129	22.69845
SATB2	1.6393E-129	23.59987
EML1	1.6566E-129	27.19767
H1-1	2.3363E-129	21.79308
LINC01018	2.3876E-129	17.97593
OBSCN	3.2819E-129	-41.7023
CARS2	3.3574E-129	35.42556
NKX2-1	3.8393E-129	18.11585
ISL1	4.1249E-129	23.46278
LOC400553	5.0223E-129	25.42938
THSD7B	6.2634E-129	24.21988
PCDH17	9.9365E-129	24.30099
ADGRV1	1.3688E-128	26.69683
EOMES	1.433E-128	30.08808
LINC01347	1.7255E-128	25.39107
CLVS1	2.0522E-128	28.42972

ATXN8OS	2.5382E-128	39.41975
WNT16	2.6898E-128	34.92155
ICAM5	3.5743E-128	26.20499
AMT	3.8516E-128	21.55363
ANKRD65-AS1	8.4733E-128	38.92228
GNAS	9.1686E-128	28.75623
RBMS3	9.5907E-128	35.69382
LRRC74B	9.7046E-128	11.32327
P2RX6P	9.7046E-128	11.32327
DGKI	1.046E-127	27.0129
EFS	1.0663E-127	21.1055
COL19A1	1.1172E-127	18.46226
LMBRD1	1.1172E-127	18.46226
HYLS1	1.1664E-127	18.64373
IGFBP-AS1	1.2669E-127	17.58351
CCDC39	3.5344E-127	13.02038
TLX2	4.0004E-127	22.75119
TNK1	4.1138E-127	26.31081
NTSR1	4.1442E-127	42.11838
KIF16B	6.3006E-127	-34.5791
PTGER4P2-CDK	1.323E-126	17.58952
LOC100132249	1.323E-126	17.58952
GJC1	1.4648E-126	12.07511
BOC	1.7086E-126	10.47624
MGAT3	3.3721E-126	33.06535
PAH	3.658E-126	22.59901
LOC112267865	3.658E-126	22.59901
PROCR	4.1595E-126	-28.1025
HLA-G	4.7782E-126	27.23678
MIR1-1HG-AS1	5.1471E-126	30.888
PYCR1	5.4912E-126	-25.3395
MIR3185	5.932E-126	30.80746
RBFOX1	8.8488E-126	35.26862
ZBTB40	1.0321E-125	-24.0082
TMEM235	1.1054E-125	25.4388
MST1	1.1582E-125	27.78997
LOC112268276	1.2871E-125	15.01789
EYA1	1.2938E-125	18.48428
CHFR-DT	2.2725E-125	20.36006
SLC18A3	2.7518E-125	39.08778
SDC2	2.8776E-125	26.65037
OBSL1	3.1286E-125	21.62515
SLC35F2	8.1505E-125	23.84332
TRPC7	1.0443E-124	28.93858
LOC105373958	1.4321E-124	-34.2344
RAB17	1.4321E-124	-34.2344
IDUA	1.6043E-124	17.62119
GLI3	2.8269E-124	32.20949
C9orf129	2.9881E-124	38.65566
GALNT9	3.1763E-124	-27.691
ADAMTS1	3.4119E-124	23.40257
KHDC1	3.7028E-124	16.79303
PPP1R42	4.0554E-124	23.58048
SFT2D3	4.5248E-124	-28.6467
MIR34C	4.5836E-124	20.39068
BTG4	4.5836E-124	20.39068

ESRRG	7.7548E-124	34.22813
CIRBP	8.5266E-124	31.83468
CIRBP-AS1	8.5266E-124	31.83468
NOS3	8.5808E-124	27.97119
KIF17	9.9284E-124	20.14168
MAP3K14-AS1	1.0707E-123	36.22541
CCNP	1.3459E-123	-36.8254
INPP5D	1.7817E-123	-31.7294
NAALADL1	1.9157E-123	32.49792
LOC101929073	2.0959E-123	25.99981
LOC105375334	3.0178E-123	22.51981
HPCA	3.0479E-123	23.14801
EID3	3.5567E-123	19.47376
PARD6A	4.0668E-123	24.71789
ACD	4.0668E-123	24.71789
DLX5	5.0064E-123	26.7316
UNC45A	5.0214E-123	15.60243
CD109	1.3831E-122	19.8941
AHNAK	1.702E-122	30.13652
RAB34	1.7822E-122	32.23368
H2BP1	1.9631E-122	25.56269
EPHA5-AS1	2.2183E-122	32.92392
PYDC1	2.4095E-122	23.58112
ZNF358	2.8322E-122	26.13984
ACY1	2.9106E-122	-32.9984
ABHD14B	2.9106E-122	-32.9984
SYTL1	3.6347E-122	26.37574
RET	3.861E-122	22.99545
BCAT1	4.2539E-122	19.78095
KCNQ5	7.3144E-122	26.24853
KCNQ5-IT1	7.3144E-122	26.24853
GPER1	7.5013E-122	32.46595
DNMT3A	8.8891E-122	38.22722
GRIN2A	1.0677E-121	32.77152
TMEM130	1.1832E-121	39.47429
ZBTB8A	1.2559E-121	29.86177
ZBTB8B	1.2559E-121	29.86177
RADIL	1.2881E-121	-25.7151
RRAD	1.5423E-121	38.24837
TMTC1	1.6564E-121	22.45518
NKAIN4	3.2406E-121	37.23322
GPR162	4.9894E-121	-22.1572
COL4A2-AS1	5.151E-121	-34.0646
ECHDC3	5.2358E-121	20.51103
FSCN1	1.5045E-120	10.01194
KCNQ2	3.1659E-120	35.3936
CYP26A1	5.1389E-120	22.64636
ROBO3	5.2387E-120	28.79797
ADGRB3-DT	1.2611E-119	27.0167
SRD5A2	1.3931E-119	32.03463
LOC105372130	1.7851E-119	14.55163
TCF4	1.7851E-119	14.55163
SHOX2	2.3064E-119	24.77752
LHX8	2.3334E-119	29.47153
WWTR1-AS1	2.4804E-119	28.54713
RGS20	3.9403E-119	27.937

ZNF528	4.825E-119	26.85733
DGCR5	5.6947E-119	21.82677
GNAL	5.9664E-119	11.26332
GIPC2	6.2977E-119	-18.2947
SCN9A	1.4194E-118	15.38577
TUB	1.6993E-118	21.89905
SULT4A1	1.7167E-118	26.27172
KAZALD1	1.7322E-118	-43.0704
ABAT	3.5018E-118	32.97896
LRRC61	3.7933E-118	-13.6386
CNMD	4.2064E-118	30.84984
CAMK4	4.2739E-118	26.21164
RAB1B	5.3388E-118	16.7639
FOXE1	7.5674E-118	35.2524
UBE2QL1	8.9978E-118	16.74016
STMN2	1.0372E-117	31.59423
OLIG2	1.0914E-117	29.73493
SNAI2	1.1543E-117	18.03888
DGKZ	1.4068E-117	32.74079
MAFK	1.73E-117	31.86997
SLC8A1	1.8018E-117	27.99608
PCDHA11	2.0691E-117	26.83348
ZAP70	2.5071E-117	33.75306
KAT6A	3.339E-117	-38.9373
KCNQ5-DT	3.9708E-117	30.06661
LRRC3B	4.0736E-117	32.64856
LRRC3B-AS1	4.0736E-117	32.64856
SYNGR3	4.4459E-117	16.53543
SLFN11	5.3219E-117	19.15515
DGAT1	5.4525E-117	24.26365
SLITRK3	8.1369E-117	21.76596
YBX3P1	8.6767E-117	23.43065
CUX2	9.9702E-117	37.79091
C9orf152	1.8562E-116	-30.5989
MT3	2.4314E-116	25.87719
NRXN1	3.0452E-116	21.08905
ISM1	3.1256E-116	14.39655
EPIST	4.7418E-116	28.83389
SNAP91	5.1498E-116	32.1208
UNK	7.4872E-116	-24.3743
PCDHGA11	7.7889E-116	23.90048
DPP6	8.7002E-116	41.36179
PCDH10	1.1579E-115	20.21854
PCDH10-DT	1.1579E-115	20.21854
GRID2	1.7271E-115	23.90062
PHF24	3.3165E-115	23.8986
SH3RF3-AS1	3.3374E-115	28.58502
CYP2E1	3.7521E-115	38.14911
TPM3P9	6.1358E-115	14.37714
ZNF761	6.1358E-115	14.37714
FAM234A	7.8027E-115	-26.604
ARHGDIG	7.8027E-115	-26.604
MEF2B	8.202E-115	23.22712
EPB41L3	8.2259E-115	26.00707
WDR97	8.6236E-115	33.49119
MEGF10	9.6569E-115	16.47657

LOC105379199	9.6569E-115	16.47657
PYGO1	1.0742E-114	17.74182
PNMA8B	1.0754E-114	24.46748
NKAPL	1.1929E-114	25.18735
EDIL3-DT	1.4198E-114	26.3904
EDIL3	1.4198E-114	26.3904
SLC35F1	2.2301E-114	20.94489
NXN	3.4971E-114	27.69739
CERS2	4.0375E-114	26.45591
MED16	5.2466E-114	23.65608
CBX6	6.1284E-114	25.11194
ECEL1P2	7.1016E-114	41.73386
IQANK1	9.2182E-114	-22.2874
MIR4664	9.2182E-114	-22.2874
ADAM5	1.0286E-113	28.66706
CDC42SE1	1.0572E-113	27.17222
ARL10	1.156E-113	20.8213
MAFB	1.1878E-113	18.23029
LOC105374329	2.5368E-113	22.43813
DOLPP1	3.146E-113	13.74008
NWD2	3.3141E-113	18.79264
PCDH9	5.5314E-113	23.00612
BSN-DT	5.701E-113	30.43392
PRICKLE1	6.3209E-113	13.35168
ZNF542P	8.493E-113	29.73167
ZSCAN5A	8.493E-113	29.73167
ADGRD1	8.8329E-113	19.38637
TENM4	1.4549E-112	14.62518
ANKRD11	1.6959E-112	-24.1553
PAX6-AS1	2.4912E-112	24.66596
RCN1	2.4912E-112	24.66596
PAX6	2.4912E-112	24.66596
LOC112267986	2.8251E-112	13.58598
MTERF1	2.8251E-112	13.58598
C2orf81	3.5407E-112	16.34498
CHST15	3.6862E-112	17.77181
TTC28	4.516E-112	21.99502
ZNF273	4.5335E-112	36.66843
LINC02875	5.2251E-112	17.8988
FAT3	6.3087E-112	28.53251
LOC100996664	1.9429E-111	-28.5359
PHOX2B	2.167E-111	30.67946
TNFSF11	2.8342E-111	20.73318
ADAT3	5.5112E-111	-24.653
SEPTIN9-DT	5.5484E-111	-19.7289
FEV	5.616E-111	21.44074
BARX1	5.7866E-111	26.40463
SERP2	6.0851E-111	15.60268
LINC02610	7.2131E-111	19.56876
SLFN13	7.2509E-111	15.23768
SPRTN	1.2091E-110	-22.4301
SUPT4H1	1.2749E-110	11.8358
SARM1	1.3268E-110	-23.138
EIF4E3	1.4372E-110	17.95956
PDE1C	1.6466E-110	21.80533
ZFP82	2.1615E-110	19.96921

MEOX2	2.3783E-110	18.51209
CACNA2D3	2.4954E-110	20.71685
RBPJL	2.6292E-110	21.01648
KCNK2	3.0115E-110	27.33806
TBX5-AS1	3.6978E-110	31.01681
TBX5	3.6978E-110	31.01681
FRMD4A	3.9657E-110	31.94638
DYDC2	4.3449E-110	31.07605
DYDC1	4.3449E-110	31.07605
FRY	4.9465E-110	-36.1414
EEF1DP3	4.9465E-110	-36.1414
BNC1	9.5117E-110	22.81735
TRPV4	1.0478E-109	27.07618
MAL	1.1343E-109	31.89246
SLIT3	1.2245E-109	28.29436
LOC107984568	1.2508E-109	31.86904
DLEU7	1.2508E-109	31.86904
LBH	1.5432E-109	43.72553
CPAMD8	1.703E-109	25.65865
LDHC	1.9146E-109	22.13424
ITPRIP	1.9191E-109	30.50546
NOM1	1.9367E-109	18.24483
REC8	2.2788E-109	27.67325
SHISA8	6.1528E-109	23.97415
COL12A1	6.7923E-109	21.19502
VWCE	1.1721E-108	21.70478
TDGF1	1.227E-108	31.18528
HS3ST6	1.3116E-108	18.3908
MIR124-2HG	1.4656E-108	32.29081
WDR59	2.5141E-108	28.28128
NACAD	2.6291E-108	21.30474
ALDH3A1	2.7329E-108	-25.2594
AGTR1	3.6304E-108	22.18847
ZNF14	4.6909E-108	11.95077
DZIP1	4.9042E-108	31.75791
GABBR2	5.7286E-108	26.73084
TRANK1	5.9024E-108	12.35095
NOL3	6.7293E-108	25.64833
KIRREL2	8.3486E-108	22.51949
SFRP2	1.7666E-107	30.81921
CLDN5	1.9903E-107	28.29395
EFHD1	2.3151E-107	12.23831
LOC112267944	3.3315E-107	13.84622
TRIL	3.4308E-107	12.47531
SOX21	3.9355E-107	25.24712
STX1B	4.4384E-107	22.39153
SLC4A11	4.4568E-107	25.13357
LAMA2	4.5443E-107	24.94581
SLC26A10	4.6263E-107	-28.4386
VAX1	4.909E-107	28.30333
MSI1	5.1684E-107	28.01367
SLITRK5	6.0538E-107	15.52423
MIR4500HG	6.0538E-107	15.52423
KCND2	6.5545E-107	19.78357
ZNF804B	6.7583E-107	37.69344
DDB1	7.0328E-107	-30.3622

CYP1B1-AS1	9.0476E-107	30.87322
CYP1B1	9.0476E-107	30.87322
LOC105373629	1.0912E-106	33.75504
ZFHX4-AS1	1.4507E-106	28.20026
CROCC	2.0336E-106	24.88827
MTA3	3.0665E-106	28.38662
JDP2	3.1949E-106	17.79218
LINC01783	3.3344E-106	19.20245
MIR199A1	4.0756E-106	26.54678
SSTR2	4.5031E-106	20.29898
LMX1A	4.99E-106	31.30273
PEG10	5.0235E-106	21.44971
LOC107986467	5.7751E-106	27.54764
LINC02202	5.7751E-106	27.54764
EBF1	5.7751E-106	27.54764
NKX2-3	5.9513E-106	14.35522
XYLT1	6.954E-106	17.48277
PLXNC1	1.1235E-105	16.14259
CATIP-AS1	1.3592E-105	24.07157
CFAP46	2.5432E-105	35.84273
RASGRP2	3.246E-105	16.34511
CNTN1	3.6862E-105	31.06507
PTH1R	4.8201E-105	20.01628
MYL3	4.8201E-105	20.01628
NRG1	5.4258E-105	19.13438
ZFP30	1.4399E-104	15.22389
GLDC	1.7552E-104	14.90498
MKX-AS1	2.1931E-104	15.52125
TBX1	3.1152E-104	25.99489
PHLDB2	3.5556E-104	24.62553
AUTS2	3.6166E-104	28.38913
MSX2	4.7756E-104	30.62963
MIR9-1HG	7.2286E-104	20.03126
MIR9-1	7.2286E-104	20.03126
TPTEP1	8.284E-104	24.39993
SOX5	1.2141E-103	17.15921
LOC101928847	1.2813E-103	27.36634
HOXC11	1.5515E-103	22.14455
TRPC6	1.5702E-103	37.51967
LINC02613	1.6386E-103	25.34373
SLC9A7P1	1.6949E-103	18.14308
NOL4	1.7932E-103	27.90321
PSMA8	1.8692E-103	17.67614
GMDS	2.0768E-103	22.21277
LINC01726	2.2276E-103	38.29341
ANKRD24	2.7383E-103	12.78167
SYPL2	3.1474E-103	27.03645
SCNN1A	3.8543E-103	-32.8523
ALOX15	4.1829E-103	17.61188
C2CD6	5.3837E-103	29.59913
PTPN6	7.5716E-103	-19.6274
ZNF300P1	1.1601E-102	34.0921
TAL1	1.2207E-102	17.52713
KCNH2	1.3817E-102	29.3703
RUSC1	1.6067E-102	30.18669
ANKRD36BP2	2.0399E-102	27.76052

GFRA2	2.2392E-102	22.52962
CIBAR1	2.7802E-102	30.44666
RNVU1-2A	3.0458E-102	23.61014
LOC101927825	3.2702E-102	27.18459
ATP8B2	3.3952E-102	18.71069
OSTM1	3.4128E-102	28.59184
PPM1N	3.5971E-102	10.36624
KCNAB3	4.58E-102	34.81266
ST3GAL4	5.0101E-102	26.23034
GSEC	5.0101E-102	26.23034
TRIP6	8.3226E-102	-31.1977
PCDHB18P	8.8297E-102	30.95964
KCTD12	1.0288E-101	26.06396
PLPP4	1.056E-101	20.47179
HAND1	1.1533E-101	17.75167
NDRG2	1.3489E-101	16.43096
HRH3	1.5894E-101	33.5338
FAM43B	1.6936E-101	32.98559
SLC16A7	1.7623E-101	12.52432
CENPT	2.1213E-101	19.22903
LINC01815	2.7016E-101	-19.7247
SYNPR	3.1238E-101	30.22775
ZNF805	3.7053E-101	29.89278
PRDM16	6.1614E-101	15.10531
COL26A1	6.3833E-101	23.13572
AFF3	9.1468E-101	23.80005
HSPB9	9.6326E-101	17.40155
CHST11	9.6805E-101	17.70021
LSP1	9.9142E-101	20.17779
CPT1B	1.7775E-100	34.22401
RGS22	2.0024E-100	41.14789
SLC18A2-AS1	2.1121E-100	23.06023
CECR2	2.3696E-100	22.12945
MEST	2.8092E-100	-26.5486
FOXD3-AS1	2.8199E-100	17.16049
GAD1	4.5218E-100	23.28568
NEUROD2	5.0491E-100	20.52488
MEF2C	6.2616E-100	29.16234
PDZRN4	6.9954E-100	39.30843
ZBTB16	7.5864E-100	11.52319
LINC01838	8.4831E-100	25.55637
LOC105372377	8.4831E-100	25.55637
LINC00904	8.4831E-100	25.55637
TRIM67	1.0547E-99	26.29483
FAM131A	1.1753E-99	33.15648
KCTD8	1.4991E-99	19.86637
HHIP	1.6834E-99	29.71495
HHIP-AS1	1.6834E-99	29.71495
BARHL2	1.825E-99	26.72601
ADAP1	2.3386E-99	-27.2472
CNIH3	3.4352E-99	17.06634
CNIH3-AS2	3.4352E-99	17.06634
TDRD10	6.8159E-99	20.78847
RAB31	7.2334E-99	27.56846
DLG5-AS1	8.0013E-99	20.33353
DLG5	8.0013E-99	20.33353

ADAMTS16	8.0177E-99	30.5528
ADAMTS16-DT	8.0177E-99	30.5528
RUSC1-AS1	9.4628E-99	26.62364
MNX1-AS2	1.1645E-98	39.67142
MARCHF1	1.38538E-98	32.55867
LINC00485	1.48653E-98	28.98713
PKP3	2.06426E-98	-30.1348
CTNNA2	2.07724E-98	14.13308
LRRTM1	2.07724E-98	14.13308
LINC01586	2.28054E-98	22.91685
SLC45A3	2.36108E-98	-17.9015
SCARF2	2.60549E-98	29.58735
LOC101927468	2.66553E-98	26.21917
MT1JP	2.75579E-98	26.24921
FBXL22	3.20894E-98	35.50165
EPS8L2	3.86215E-98	29.0484
PLXNB1	6.78578E-98	33.55376
LOC283028	8.32824E-98	20.0123
RUNX1T1	8.84612E-98	24.10811
CTNND2	9.13768E-98	24.17772
SLC22A18AS	9.29374E-98	-31.1471
MTARC1	2.32876E-97	16.02383
DNAH10	2.39871E-97	-27.5125
PXDN	2.71377E-97	-32.4212
MAMDC4	3.85009E-97	30.23054
LHFPL4	3.97185E-97	23.91236
TNFAIP8L3	5.27408E-97	17.64197
VGLL2	5.78374E-97	37.73199
LOC105377964	5.78374E-97	37.73199
NEFH	6.07309E-97	41.31856
LOC107985541	6.07309E-97	41.31856
PRPH	1.16791E-96	20.91442
CCDC8	1.2956E-96	23.19217
ZNF777	1.40264E-96	13.47206
DIXDC1	1.40292E-96	31.99877
LOC100287846	1.68953E-96	27.79015
RPSAP58	1.72328E-96	14.55472
TRIM15	1.77443E-96	-30.0856
SMTN	2.00944E-96	35.25889
LOC105374618	2.46807E-96	27.93939
LOC105374616	2.46807E-96	27.93939
LINC00917	3.16243E-96	-28.7148
MEIS1-AS2	4.08161E-96	20.31314
CHROMR	4.59151E-96	11.09136
JAKMIP3	5.12802E-96	17.81373
LOC105371787	5.82199E-96	20.96083
PRIMA1	6.53884E-96	23.19401
HECW2	7.97918E-96	21.47332
HOXA11-AS	9.18783E-96	22.06115
HOXA11	9.18783E-96	22.06115
FUNDC2P2	1.11239E-95	-12.6743
PAQR9-AS1	1.70573E-95	41.39247
PAQR9	1.70573E-95	41.39247
ELOVL5	1.73013E-95	11.17136
FIGNL1	2.27129E-95	16.18552
ZNF83	2.30493E-95	17.17291

KCNA2	2.53222E-95	20.85669
DNM3	2.58165E-95	24.29154
PRLHR	2.58775E-95	30.60989
TMEM88	2.77093E-95	27.9263
VSX2	2.91793E-95	28.93318
IKZF4	3.8011E-95	36.83123
OTOG	7.0626E-95	28.35379
PRDM8	8.89003E-95	16.1275
LINC02470	9.29053E-95	22.9931
PDX1	1.40557E-94	35.25342
TAFA2	1.49901E-94	27.98345
PRRX1	1.71597E-94	33.79815
CPEB1-AS1	1.85055E-94	23.22033
CPEB1	1.85055E-94	23.22033
DDAH1	2.3842E-94	24.40963
ZNF439	2.50218E-94	11.27714
KCNA3	2.61561E-94	31.34512
S1PR3	3.31374E-94	29.60772
LINC00621	4.29998E-94	20.38198
LOC107985118	5.34016E-94	18.87449
PREX1	7.98533E-94	15.85099
CA3	9.52831E-94	25.29166
LOC107986022	1.09855E-93	21.52647
NODAL	1.21278E-93	-28.7056
GFY	1.7429E-93	17.35932
ZNF876P	2.33658E-93	30.57644
SGPP2	2.61765E-93	-27.1444
CD8A	3.70601E-93	35.31181
LINC02882	4.27533E-93	-20.8717
CSMD2	4.78175E-93	29.59059
LOC107986383	5.23422E-93	26.53361
HAS1	5.27675E-93	36.68468
KRBOX1	5.55908E-93	21.0452
FAXDC2	5.99833E-93	27.84669
TMEM74	6.3127E-93	18.59572
HTR1E	6.37709E-93	35.83342
GUCY1A1	6.40871E-93	13.54862
SYCP2L	6.87085E-93	20.2971
FHDC1	8.51649E-93	-27.5435
ACSS1	8.73814E-93	27.53014
CPNE2	9.16887E-93	18.29976
DNAI3	1.00489E-92	12.53076
LOC100268168	1.0954E-92	14.84377
MIR192	1.24112E-92	-21.796
MIR194-2	1.24112E-92	-21.796
TCEA2	1.51022E-92	20.81525
KCNK4	1.58904E-92	18.87439
KCNK4-TEX40	1.58904E-92	18.87439
MLXIPL	1.69312E-92	29.91351
COASY	1.94932E-92	-26.6009
PTPRD	2.05448E-92	39.20822
LOC101930053	2.24317E-92	29.33242
VLDLR-AS1	2.24317E-92	29.33242
CPNE8-AS1	2.81727E-92	16.72586
CPNE8	2.81727E-92	16.72586
NPFFR2	2.99921E-92	28.63098

DKK1	3.65726E-92	14.38154
PRKG1-AS1	3.65726E-92	14.38154
LY75-CD302	3.67835E-92	-19.0988
LY75	3.67835E-92	-19.0988
NKX2-8	5.45596E-92	31.67195
HOXA9	6.76352E-92	12.02592
MIR196B	6.76352E-92	12.02592
GPR37L1	7.03261E-92	36.27679
LIMS2	7.32866E-92	29.99795
LRPAP1	8.69889E-92	27.74692
STK32C	9.65474E-92	-29.7723
ETV1	1.09623E-91	15.47999
MX1	1.26433E-91	11.80247
LOC101928701	1.60838E-91	29.74386
ERBB4	2.00641E-91	14.96478
PAX1	2.15636E-91	33.89755
TERT	2.30521E-91	25.15352
TOGARAM2	2.78245E-91	32.81089
FGF14-IT1	3.05301E-91	19.41613
KCTD16	3.20525E-91	10.95477
LOC105375131	3.24325E-91	-28.3824
C2	5.9378E-91	-30.6271
CFB	5.9378E-91	-30.6271
TDH	6.39583E-91	34.72688
RFX8	8.09156E-91	22.77447
LOC441666	8.75548E-91	28.25293
MIR4740	8.92452E-91	21.22005
PTPN5	8.96565E-91	28.2017
CRYAB	9.32808E-91	31.36338
LOC101929295	1.09182E-90	-29.8779
BRSK2	1.19839E-90	17.4117
SPAG16	1.39859E-90	11.22929
SPAG16-DT	1.39859E-90	11.22929
SATB2-AS1	2.07117E-90	25.37976
LOC102723324	2.162E-90	12.68126
FLJ32255	2.42155E-90	21.7216
PAPOLB	2.56689E-90	26.65536
UNCX	2.75675E-90	35.24039
S100P	3.0321E-90	-28.5234
LOC101927914	6.02128E-90	21.24052
COMP	7.43647E-90	17.49198
ST8SIA5-DT	7.4636E-90	30.98955
ST8SIA5	7.4636E-90	30.98955
RNF150	7.9588E-90	13.02123
DYSF	1.04977E-89	17.21637
FLT3	1.10246E-89	18.35633
KRT87P	1.1167E-89	25.70296
HOXA3	1.3032E-89	24.90302
ALDH5A1	1.62918E-89	19.00202
TMEM105	1.65277E-89	-31.615
JAM3	1.66648E-89	23.04801
BEND5	1.72098E-89	32.11392
MEG8	2.22928E-89	-25.9465
HOXA6	2.29484E-89	25.08588
IRX4-AS1	2.41742E-89	25.86429
IRX4	2.41742E-89	25.86429

NPAS3	2.4643E-89	25.15281
LOC100128398	3.02121E-89	18.13115
FOXR1	3.60611E-89	21.2681
RAC3	4.06163E-89	32.55254
PRICKLE2	4.07351E-89	29.89236
HOXB2	4.19781E-89	23.82414
LIN28A	4.37796E-89	25.22096
PARVG	4.79511E-89	-21.5589
GALNT14	5.07689E-89	19.54872
EHBP1-AS1	5.47254E-89	26.45315
MEIKIN	6.97398E-89	12.91545
ZNF696	7.81101E-89	-24.2111
KRT14	8.31003E-89	-29.5748
CD109-AS1	8.35279E-89	26.579
PKN1	8.56732E-89	14.57157
INA	8.86089E-89	25.77425
NT5C2	8.86089E-89	25.77425
FGF14-AS2	1.00944E-88	11.39216
SPTBN1	1.23905E-88	11.58136
WDR17	1.23905E-88	17.2248
STK32A	1.57917E-88	17.61289
OXTR	1.58788E-88	25.72559
TLX1NB	1.66218E-88	26.49319
GRM4	1.70857E-88	36.82663
TUBB6	2.23112E-88	20.56313
WNT6	2.51677E-88	29.35591
PHYHIPL	3.13644E-88	18.54418
FOXN4	3.38156E-88	25.8707
ZNF98	3.76361E-88	30.94739
NKX6-1	7.25497E-88	22.38611
GSX2	7.71524E-88	17.47628
SNORA10	8.09089E-88	-21.253
SNORA64	8.09089E-88	-21.253
TLDC2	1.32993E-87	-31.3518
ZFP28	1.37781E-87	27.61513
ZFP28-DT	1.37781E-87	27.61513
PTPRR	2.62319E-87	36.53981
DCHS2	2.73524E-87	17.68836
INSYN1	2.76257E-87	18.81912
LOC102724087	3.50894E-87	11.34103
DAB1	6.47015E-87	25.51756
HSD11B1-AS1	7.05572E-87	17.40334
EGFL7	7.77646E-87	25.15761
MROH6	1.06742E-86	28.60079
KCNA4	1.40525E-86	24.92307
PALM	1.45118E-86	34.06455
DYNLT5	1.6264E-86	22.41551
TMC4	1.88739E-86	24.19684
FBXO21	2.82845E-86	25.51637
WDR90	2.99949E-86	25.44186
TMEM178B	3.13604E-86	24.26238
QRFPR	4.79643E-86	32.77058
LIN28B	4.97408E-86	28.45634
LIN28B-AS1	4.97408E-86	28.45634
ASPSCR1	5.36194E-86	26.30952
ARHGEF7	5.59471E-86	16.04257

TNFRSF10C	6.36782E-86	19.41279
ZC3H12D	7.24405E-86	-27.6396
HOXB3	9.41693E-86	25.27196
LOC102725227	1.00559E-85	22.39475
AQP4-AS1	1.00559E-85	22.39475
ZNF385B	1.02729E-85	17.37245
MIR1258	1.02729E-85	17.37245
GRIP2	1.41992E-85	-25.8335
NPY5R	1.52165E-85	15.53494
WNT3	1.57694E-85	15.93264
MLPH	1.60279E-85	19.96156
RAB11FIP4	1.65105E-85	15.58628
ARHGEF10L	2.07688E-85	23.79501
ATP10A	2.34696E-85	17.98705
SMIM43	3.10837E-85	24.26206
QKI	3.11801E-85	17.50416
WDR86	4.02387E-85	30.58804
MRGPRE	5.27928E-85	17.0371
CLIP4	6.43599E-85	29.7666
SIX4	7.5363E-85	13.1908
ZEB1	8.28253E-85	15.66176
ZEB1-AS1	8.28253E-85	15.66176
MICU3	8.56249E-85	25.85375
TMEM132E	1.22636E-84	15.3512
TMEM132E-DT	1.22636E-84	15.3512
SLC7A9	1.24701E-84	-36.0515
PDPN	1.25253E-84	30.49971
FOXF2	1.27385E-84	26.10336
MSLN	1.34174E-84	-22.7557
PCDHB4	1.37684E-84	28.00853
TMEM161A	1.39294E-84	20.44344
IQSEC1	1.71948E-84	29.5165
IL32	2.42628E-84	-29.0385
PDLIM7	3.33685E-84	22.09221
VENTX	3.59516E-84	16.06795
UBXN2A	3.59624E-84	17.02032
ZNF3	5.47671E-84	-11.9358
ADPRHL1	8.45106E-84	20.26827
PCDHGA12	8.88263E-84	29.99145
SDF4	8.97125E-84	-18.5724
USP2	9.56526E-84	27.92334
CCDC65	1.17448E-83	12.00023
TRIO	1.41245E-83	33.10191
MIR6090	1.4756E-83	33.48028
DRD1	1.4854E-83	28.93882
EFEMP1	1.63975E-83	23.09456
SAMD11	1.78227E-83	-28.8754
SRRT	2.12785E-83	23.02836
IFFO1	2.25903E-83	24.5779
PER3	2.29814E-83	28.75897
DMPK	2.3828E-83	27.54973
LRTM2	2.52726E-83	25.99887
CXCL6	4.50254E-83	11.84263
MDFI	4.53413E-83	24.70217
EGFL8	4.57473E-83	15.46583
MYOD1	4.71023E-83	19.18495

ENO2	4.78267E-83	16.37199
CALB1	5.78207E-83	22.09013
TMEFF2	6.70286E-83	32.18151
PEG3	8.77211E-83	20.5783
GPR26	1.00862E-82	29.88234
BMERB1	1.2368E-82	31.05286
ADAMTS18	1.38828E-82	31.63935
CR1L	1.51482E-82	21.19605
HOPX	2.57288E-82	29.25227
INTU	3.13017E-82	16.92229
BATF3	3.43333E-82	14.07986
DOC2GP	3.49656E-82	25.86779
HIF3A	3.52355E-82	-21.66
SRGAP2C	3.826E-82	20.56568
FAM72B	3.826E-82	20.56568
ACOT12	4.53081E-82	29.83379
MGC12916	5.1993E-82	27.62811
NARF	5.21651E-82	-28.3042
SLC16A3	7.20916E-82	-20.5488
GATM	7.74944E-82	20.20939
A4GALT	9.87728E-82	12.83648
COL11A2	1.03561E-81	28.86007
LTF	1.04849E-81	27.13256
DOCK10	1.08094E-81	22.45174
KIAA0930	1.10035E-81	34.47746
CRMP1	1.16773E-81	29.09041
ZMIZ1	1.20677E-81	23.00585
AMOTL1	1.36531E-81	19.91733
RGMA	1.4058E-81	20.93706
CRACR2B	1.43138E-81	11.51945
DAW1	1.5295E-81	19.17741
EHD3	1.72413E-81	16.29042
CAPN14	1.72413E-81	16.29042
NR3C1	1.91541E-81	20.23298
ZNF200	2.20303E-81	-30.1858
ICAM4	2.51964E-81	11.82376
PKNOX2-DT	2.67382E-81	14.23894
WNT11	2.90958E-81	20.46602
EMX2	3.88228E-81	19.84872
COL5A1	4.08918E-81	16.31821
MIPOL1	4.35502E-81	11.3123
CBFA2T3	4.93273E-81	-25.6918
PDYN-AS1	4.96897E-81	14.11252
ACTB	5.14393E-81	18.4493
CRYBA2	5.26195E-81	11.75761
C2orf74	5.33588E-81	27.25011
LOC339803	5.33588E-81	27.25011
CYP51A1	6.98527E-81	24.69631
LRRD1	6.98527E-81	24.69631
PNPLA6	8.92975E-81	29.2504
ABCA1	9.37508E-81	25.91283
SYCP2	1.14807E-80	17.71961
EGFEM1P	1.28247E-80	15.22878
RIPPLY3	1.31596E-80	31.3862
HOXC5	1.34256E-80	20.47821
MIR615	1.34256E-80	20.47821

DMRT2	1.34447E-80	22.21086
LOC107985038	2.10385E-80	20.24765
OSR1	2.31456E-80	32.93359
PEG13	2.63992E-80	23.05955
PRELID3B	2.86099E-80	-31.697
SLMO2-ATP5E	2.86099E-80	-31.697
B4GALNT4	3.24584E-80	22.86299
C19orf33	3.28998E-80	-22.1148
LOC105375980	3.48199E-80	24.61612
GNAS-AS1	3.54211E-80	26.37954
ZNF454	3.60507E-80	36.79683
COL1A2	3.70398E-80	21.91035
KIRREL3	3.74563E-80	15.78413
SKOR2	4.08059E-80	25.08574
EYA4	4.28669E-80	48.22993
PCDHB13	4.59007E-80	23.82417
TLL1	4.7806E-80	20.44398
SOX14	4.88021E-80	32.3154
MT1L	5.14359E-80	10.88136
LRP8	5.20039E-80	15.40494
NTM	5.64218E-80	27.70573
SVEP1	6.07988E-80	14.58208
COLEC11	6.45774E-80	22.27086
SLC13A5	7.86342E-80	28.87393
ZNF282	1.03175E-79	-20.6349
KCNS3	1.09933E-79	18.65262
CHST10	1.19131E-79	30.61149
OTX2-AS1	1.20366E-79	32.51901
DRGX	1.22203E-79	28.79618
CHST6	1.91494E-79	10.81345
GLI2	1.95184E-79	15.26279
TSC2	2.79262E-79	26.78426
ACP5	2.84157E-79	14.40684
ARPP21	2.87191E-79	24.31116
CERKL	3.61129E-79	14.93924
NEUROD1	3.61129E-79	14.93924
DENND3	3.85112E-79	31.74198
MIR3665	4.03609E-79	16.49061
WNT10A	4.34021E-79	26.80348
SPACA6	4.65867E-79	10.05051
CTSA	5.16392E-79	15.71451
NEURL2	5.16392E-79	15.71451
PDGFD	5.81072E-79	-24.2924
HNF4A	5.97065E-79	-34.6444
R3HDML-AS1	5.97065E-79	-34.6444
HSPA1A	7.09155E-79	18.87445
HSPA1L	7.09155E-79	18.87445
GRM1	9.36982E-79	20.63249
SIPA1	9.4138E-79	25.7038
BRF1	9.54379E-79	26.77819
LMOD1	9.77344E-79	14.41003
CELSR1	1.1568E-78	-35.7503
MAP9	1.20198E-78	15.81668
HTR5A	1.99468E-78	18.22944
RAB37	2.06762E-78	23.90397
HAPLN4	2.07588E-78	31.12667

TMPRSS12	2.25929E-78	21.08607
ARHGEF17-AS1	2.33414E-78	28.83862
FANCD2OS	3.13747E-78	20.52082
MYADM	3.22882E-78	10.07664
MYADM-AS1	3.22882E-78	10.07664
PLD3	3.72162E-78	30.27868
MGRN1	4.99804E-78	-17.3646
PLXNB2	5.53812E-78	-18.5205
LOC105372437	5.74621E-78	10.00367
PIGQ	5.86448E-78	24.75239
NHLRC4	5.86448E-78	24.75239
MAEL	7.03074E-78	-25.9951
LINC02440	7.81446E-78	21.84044
UBTF	7.91498E-78	33.91247
WNT7B	9.04496E-78	15.82563
SOX17	1.2941E-77	26.14533
GNG3	1.30587E-77	16.50666
PACERR	1.4443E-77	25.09432
PTGS2	1.4443E-77	25.09432
ADAMTS9-AS2	1.68272E-77	19.59017
SHARPIN	2.39019E-77	18.48884
SPNS1	2.94808E-77	12.61923
FGD5P1	3.16684E-77	21.73364
MIR7160	4.70252E-77	-14.1712
TSHR	5.32526E-77	16.02641
NMNAT2	6.12038E-77	23.07137
HOXC10	6.42854E-77	18.50906
HOXC-AS3	6.42854E-77	18.50906
ANXA6	8.18478E-77	14.31099
SVOPL	8.35579E-77	26.10953
RESP18	9.73916E-77	25.21888
NRG2	1.02373E-76	16.76807
NR4A1	1.23213E-76	25.98119
CDX1	1.25657E-76	-19.1879
LOC102725258	1.44529E-76	12.99458
PLCH2	1.55396E-76	-31.6001
MIR379	1.66267E-76	-22.9744
TOLLIP	1.97136E-76	-26.6262
LOC105376512	1.97136E-76	-26.6262
FLT4	2.32509E-76	-30.7718
WDR86-AS1	2.47889E-76	-23.8553
PDCD6IPP2	2.49068E-76	19.92387
GRIN1	3.04474E-76	34.37175
MTRR	3.22431E-76	25.59746
MEIS1-AS3	3.65211E-76	17.81013
WNT9B	4.04191E-76	25.38964
MAPT-AS1	4.98845E-76	23.33803
MIR153-1	5.01971E-76	10.09773
PGR	8.43498E-76	24.57752
ADAMTS19	1.19714E-75	12.81024
ADAMTS19-AS1	1.19714E-75	12.81024
LOC100505501	1.25668E-75	13.72764
PRDM14	2.17269E-75	35.73567
NTRK1	2.58631E-75	18.17314
ZRANB2-AS1	2.67883E-75	15.34128
PTGER3	2.67883E-75	15.34128

HAP1	2.76964E-75	17.47903
B3GAT2	2.80158E-75	15.57785
RNF212	2.8968E-75	-17.3082
SLC26A5-AS1	2.92643E-75	19.25797
SGCB	3.06191E-75	16.50784
CYP2T1P	3.06191E-75	22.98048
LMO1	4.01865E-75	22.8661
ZFP64	4.28296E-75	14.74551
PPDPF	4.55675E-75	17.63819
NCAM1	5.83262E-75	12.87899
LRP2	7.8334E-75	12.726
KCNK10	8.70103E-75	11.86345
PPM1M	9.08326E-75	14.63148
CARHSP1	1.12903E-74	-20.7977
CLCNKA	1.29264E-74	36.88604
HSPB7	1.29264E-74	36.88604
ARHGEF17	1.4177E-74	18.93528
AKAIN1	1.42114E-74	24.65072
LOC403312	1.46119E-74	32.65333
PCDHGA6	1.47398E-74	26.5964
SCGB3A1	1.58647E-74	16.38345
SYNDIG1	1.62185E-74	35.0581
NTRK2	1.64822E-74	12.06438
LINC01664	1.9406E-74	24.26269
TMEM121B	1.9406E-74	24.26269
LOC105378199	2.09438E-74	11.58298
TAF7	2.09438E-74	11.58298
UST	2.11024E-74	10.48391
ACSF2	2.11593E-74	27.9965
CHAD	2.11593E-74	27.9965
SNAP25-AS1	2.36489E-74	16.95922
PTPRJ	2.42357E-74	23.36781
PAM	2.98726E-74	15.07118
FBXL21P	3.55476E-74	26.65157
LHX1	5.94289E-74	15.24766
NIBAN1	6.5978E-74	13.59054
SLC34A2	7.09898E-74	15.7207
LOC105378797	7.47381E-74	12.63409
NEGR1	7.47381E-74	12.63409
CLEC2L	8.83235E-74	20.00282
ANK1	1.25633E-73	-29.5516
ACSL5	1.60658E-73	-14.2891
FBXL15	1.69188E-73	24.13549
PSD	1.69188E-73	24.13549
ISYNA1	1.80018E-73	26.88944
SV2C	2.08973E-73	12.36131
MTCL1	2.09633E-73	25.18619
TPM1	2.23064E-73	25.45067
SLC25A51P4	2.25194E-73	26.97037
GRAMD1B	2.38564E-73	23.97803
ALKAL2	2.56489E-73	17.82986
SYCP1	2.72592E-73	21.61216
MPPED2-AS1	2.78646E-73	25.55347
LOC100101148	3.09245E-73	31.21978
TRIM74	3.09245E-73	31.21978
CYP27B1	3.13748E-73	25.68635

MIR10527	3.83754E-73	23.07807
JPH3	3.89852E-73	20.76327
IRX6	4.14359E-73	15.16731
NEBL	4.88085E-73	-28.6946
CCDC88B	6.57904E-73	-15.0668
C1QL2	8.78145E-73	26.82198
TCAF1	9.72726E-73	22.10734
HMX3	1.00503E-72	10.4339
ZFAND2A-DT	1.19588E-72	-12.7645
PER2	1.24623E-72	19.26333
LMX1B	1.27192E-72	15.48778
LMX1B-DT	1.27192E-72	15.48778
SEL1L3	1.42445E-72	-21.2925
COL22A1	1.4688E-72	25.65996
SEMA7A	1.55558E-72	25.8349
TGFB1I1	1.62836E-72	28.90518
CNTNAP5-DT	1.79008E-72	37.37428
KDR	1.97978E-72	23.97522
UBE2E2	2.03479E-72	19.69134
UBE2E2-DT	2.03479E-72	19.69134
PRKAG2	2.20954E-72	24.53386
MEGF8	3.01309E-72	16.8404
EFCAB10	3.09947E-72	11.05633
CHRNB2	3.79278E-72	22.36242
CWH43	3.83773E-72	32.72171
PRSS30P	4.81182E-72	14.43254
HAGLR	5.75868E-72	26.67823
TRIM2	6.39876E-72	19.88791
VGLL3	8.15383E-72	16.38271
KCNB1	8.37831E-72	19.26237
SOX30	8.57347E-72	-19.4865
PRR23C	9.5355E-72	19.57491
GPT	9.62038E-72	23.74811
TRIP10	1.37007E-71	13.49639
RPRML	1.42782E-71	13.64654
RERG	1.58432E-71	12.45788
KCNC4	1.75677E-71	19.24893
CELF2	1.86196E-71	24.86237
DLX1	2.03287E-71	21.57625
BEGAIN	2.48088E-71	13.89501
NEFL	2.82333E-71	20.70643
CAMK2B	3.11628E-71	15.16002
LEFTY1	3.98582E-71	-32.511
GPR156	4.24507E-71	25.25185
KLHDC7B	4.75709E-71	32.2166
SNTG2	4.83869E-71	35.08784
SNTG2-AS1	4.83869E-71	35.08784
CHD5	5.548E-71	13.89651
CACNG2-DT	6.26414E-71	21.66497
HOXC4	7.43732E-71	20.89697
H2AC16	8.21343E-71	25.3696
EFL1P1	8.61066E-71	20.09707
INPP5B	1.08716E-70	17.98165
CNTNAP1	1.67193E-70	12.32453
SMOC1	1.95927E-70	25.87183
MAP6	2.04386E-70	17.62858

RNF17	2.50583E-70	18.94413
BRINP1	3.91738E-70	26.89798
GNG4	4.34935E-70	18.14195
INAFM2	4.37647E-70	24.5189
LOC101929234	5.28084E-70	24.00283
TSPY26P	5.3708E-70	18.49517
HPCAL1	7.19818E-70	-30.5246
SCGN	8.06227E-70	23.03791
DPH7	8.30994E-70	16.80127
KASH5	8.40213E-70	-20.7655
LOC101928295	8.40213E-70	-20.7655
MAFA-AS1	1.0313E-69	-30.5308
SLIT2	1.28983E-69	21.0071
MRPS21	1.30421E-69	12.23855
SLX1A-SULT1A	1.42457E-69	16.31792
BOLA2B	1.42457E-69	16.31792
ETNPPL	1.43382E-69	13.77734
MIR1286	1.47526E-69	28.92526
OSR2	1.84163E-69	20.15232
DNER	2.2104E-69	11.92935
EVPL	3.22606E-69	-25.1111
CLEC3B	4.21184E-69	19.65726
CCDC178	4.21382E-69	31.30158
DENND3-AS1	4.44984E-69	17.87613
CPED1	4.8409E-69	30.02253
CTSL	5.49245E-69	18.31021
MIR646HG	5.51963E-69	27.22493
LOC729296	5.51963E-69	27.22493
LOC101927855	6.43765E-69	14.39332
TBX2-AS1	6.43765E-69	14.39332
PLXNA4	6.67915E-69	17.50818
LINC02774	7.13608E-69	19.4669
SH2D3C	8.63976E-69	31.47671
ZNF808	8.75019E-69	27.32695
B4GALNT1	9.07282E-69	13.32569
LRRK2	9.15033E-69	19.19691
LRRK2-DT	9.15033E-69	19.19691
CALCA	1.0509E-68	16.73335
CACNA2D4	1.23119E-68	-30.203
ADCY10P1	1.29578E-68	13.88432
TGFB2	1.49304E-68	25.31793
COL9A3	1.67488E-68	19.36504
DMRT3	1.72533E-68	28.14392
MTURN	2.01951E-68	28.59097
PTK6	2.3066E-68	-21.6434
WNT7A	2.48102E-68	21.19107
SUGT1P4-STRA(	2.57275E-68	10.80454
SUGT1P4-STRA(	2.57275E-68	10.80454
TCF7L1	2.73919E-68	30.55042
TENM3	2.96528E-68	22.31515
TENM3-AS1	2.96528E-68	22.31515
GALR1	3.13111E-68	21.18903
TSPAN9	4.09618E-68	18.30604
EPHA6	4.22854E-68	21.05385
ST8SIA2	4.4408E-68	20.19309
KIF1A	5.03595E-68	27.04536

SPOCK2	5.43546E-68	28.03489
LOC105374576	6.20018E-68	10.4325
RAPGEFL1	6.36493E-68	26.36394
ARFGAP3	6.87195E-68	-22.4766
FIGNL2-DT	7.42279E-68	18.93749
ARHGEF40	8.09945E-68	28.36313
LINC02406	8.43972E-68	24.81572
SCRN1	9.20259E-68	11.22061
MXRA7	1.09913E-67	33.12243
TIAM1	1.12387E-67	19.33522
ATP2B2	1.21263E-67	10.40657
TRAPPC12	1.33021E-67	-15.5421
TOX2	1.55194E-67	14.65169
FMNL1	1.9346E-67	27.29514
FMNL1-DT	1.9346E-67	27.29514
DNALI1	2.10699E-67	13.8505
GALNT6	2.3209E-67	-22.9922
EVC	2.46543E-67	28.45572
SHCBP1L	2.4885E-67	27.20989
RGL3	2.65848E-67	15.98065
ZPBP	2.95863E-67	-18.5966
PPP1R16B	3.01582E-67	32.71195
CSPG5	3.07563E-67	23.94891
ROR2	3.40633E-67	10.95893
CALCRL-AS1	3.71787E-67	15.74873
GET4	3.77362E-67	17.28871
CHODL	4.52344E-67	33.05222
TM4SF1-AS1	4.66037E-67	-31.2597
PTOV1-AS1	4.83102E-67	19.02994
CFAP276	5.27326E-67	14.62337
AP3B2	6.76922E-67	23.52638
FAM20C	7.20799E-67	17.7945
CR1	7.9379E-67	20.85653
ODAD2P1	8.02409E-67	15.51845
LIME1	8.09636E-67	31.07738
APCDD1L	9.54478E-67	26.85256
OAF	1.00333E-66	19.13896
ST6GALNAC3	1.04132E-66	11.65355
LOC101928882	1.29494E-66	18.9095
GRHL3	1.48874E-66	-25.301
GRHL3-AS1	1.48874E-66	-25.301
PKHD1L1	1.88595E-66	17.68847
LOC105373526	2.1056E-66	21.964
RNF126P1	2.21522E-66	24.31581
ADAL	2.33306E-66	17.8852
HOXC6	2.99164E-66	25.14993
ZNF354C	3.20277E-66	24.6321
POLG	3.72492E-66	20.68833
TRPM4	3.98081E-66	28.99482
MS4A15	4.17581E-66	-18.8248
DOC2A	4.81488E-66	10.33342
EMILIN2	5.29026E-66	13.93073
PCDHGA9	5.85381E-66	31.25248
CCDC162P	7.93829E-66	-25.8303
TPM4	8.03677E-66	-17.376
TMEM25	8.09143E-66	25.425

C5orf49	8.9055E-66	13.84271
SLC2A14	1.01718E-65	23.71357
EIF5A2	1.19328E-65	-21.6885
HOTAIRM1	1.38102E-65	34.42548
PRRT3	1.56549E-65	16.17104
LHX2	1.90404E-65	23.48698
OTOP3	2.38733E-65	24.31721
MCM7	2.5564E-65	22.8497
MACROH2A1	2.70573E-65	18.47417
VSIG2	2.95629E-65	28.26574
PCDHB6	3.09392E-65	19.30392
WIPF1	3.14612E-65	16.47307
KRT73-AS1	5.73092E-65	23.62143
KRT72	5.73092E-65	23.62143
SOX1	5.75599E-65	14.75024
MIR4458HG	5.97035E-65	-20.1725
LINC02226	5.97035E-65	-20.1725
LHX1-DT	7.00301E-65	28.02657
TAFA4	9.37998E-65	18.90352
CLMP	1.14876E-64	19.01151
TMEM220-AS1	1.26254E-64	17.13707
LOC100129203	1.34477E-64	-17.2329
DUS1L	1.43362E-64	-19.4796
IGFBP1	1.43921E-64	18.18826
TUBB2B	2.3572E-64	11.07163
PCBP3	2.55077E-64	33.8235
MEF2C-AS1	2.56731E-64	31.38805
GRHL2	2.85975E-64	-21.4643
CERS3	3.02713E-64	25.63981
RPS6KA2	3.11717E-64	14.47698
EDARADD	3.17594E-64	27.75296
CRISPLD2	3.34058E-64	-22.9385
SCN3B	4.32143E-64	17.69752
EXOC3L4	5.52314E-64	33.67683
PCDHA13	5.86875E-64	17.72097
TNFRSF12A	6.10925E-64	18.06408
CLDN6	6.10925E-64	18.06408
MUS81	6.1494E-64	-27.5536
FZD10	1.22363E-63	21.86533
LINC00391	2.26891E-63	36.70406
ABCB4	2.3073E-63	12.05389
LOC105379028	2.34563E-63	26.37291
NEDD4L	2.34914E-63	32.20726
DLX3	2.61458E-63	34.16281
GABRB1	6.58892E-63	12.56405
LOC105370152	6.71441E-63	18.21574
RFTN1	8.47757E-63	16.96179
LOC101928762	8.72274E-63	22.34158
TMEM184A	8.90359E-63	-20.9043
GRM3	8.90898E-63	23.90043
CIITA	9.67913E-63	-20.977
TSHZ3-AS1	1.00792E-62	22.21976
PHF14	1.02506E-62	-22.6241
SYT14	1.11112E-62	28.12012
GPR75-ASB3	1.24955E-62	26.25552
GPR75	1.24955E-62	26.25552

CMTM7	1.44089E-62	-12.6223
EPHA4	1.57202E-62	28.96563
MARVELD1	1.60178E-62	19.13985
SPOCK3	1.84495E-62	19.45939
HTRA1	1.8606E-62	13.99508
NOTCH4	1.92065E-62	-22.6045
LOC648987	2.21831E-62	-19.2308
CUTALP	2.5638E-62	27.26708
SLC16A1	2.59954E-62	-12.7172
CPLX2	2.63944E-62	13.6828
MMP25	2.67575E-62	27.18968
MIR409	2.71176E-62	-15.9674
MIR412	2.71176E-62	-15.9674
MIR369	2.71176E-62	-15.9674
MIR410	2.71176E-62	-15.9674
NFKBID	3.08498E-62	19.16041
MFFP2	3.17519E-62	16.95463
FOXP2	3.57005E-62	11.74875
EPB41L4A-DT	3.6757E-62	14.44878
AFAP1L2	5.3736E-62	-18.6145
CTBP2	6.79536E-62	-23.9555
SH3BP2	7.53174E-62	-27.8402
HOXA1	7.78403E-62	11.13965
FN1	8.43633E-62	15.60974
PWRN3	9.21099E-62	17.51299
TRMT2A	9.56406E-62	15.44395
PRDM6-AS1	9.75259E-62	26.71329
PNMA8A	1.02559E-61	24.32532
IL1RN	1.13577E-61	-24.3949
FCRLB	1.13577E-61	11.06072
BAALC	1.14969E-61	33.33674
SLC49A3	1.1803E-61	-18.9601
REM2	1.25427E-61	37.61651
RIMKLB	1.38218E-61	12.20299
GRK3-AS1	1.47959E-61	11.35047
PTPRM	1.70008E-61	15.03508
SLC26A4-AS1	1.82618E-61	15.17996
FXYD6-FXYD2	1.83336E-61	17.26522
FXYD6	1.83336E-61	17.26522
RACGAP1	1.89317E-61	26.28042
LOC107984525	2.01903E-61	30.57967
ADAMTS8	2.28348E-61	18.65588
SERHL2	2.53317E-61	14.41612
GUCY1B1	2.87923E-61	26.27103
KCNAB1	3.13825E-61	18.32233
PRMT8	3.16911E-61	18.76425
HHAT	3.30437E-61	27.00552
LINC01964	3.52283E-61	14.08883
CDH18	3.71225E-61	22.57522
PLAC9P1	3.81186E-61	20.61765
S1PR4	3.9615E-61	-30.4926
DNAH2	4.32372E-61	-35.1021
LOC102723313	4.50104E-61	20.79195
KLF15	5.04973E-61	18.00013
FOXB1	8.07322E-61	11.63584
CDHR2	8.13927E-61	-21.1529

SHANK1	8.18489E-61	-26.6083
LOC105373656	9.06335E-61	23.7814
POFUT2	1.05066E-60	23.0517
DMRT1	1.06687E-60	25.53172
STAR	1.13788E-60	19.70406
LINC02182	1.64852E-60	26.99103
GABRG3	1.77595E-60	19.48609
MESTIT1	1.87646E-60	23.09745
B3GNT7	1.91673E-60	34.48261
KCNT2	1.95563E-60	20.84331
WNT3A	2.23529E-60	25.14223
TFAP2E	3.17121E-60	26.8633
TFAP2E-AS1	3.17121E-60	26.8633
LOC105377891	3.36048E-60	19.5635
ACACB	3.6669E-60	18.39141
PCDHB2	3.99188E-60	21.79254
MIR1193	4.0541E-60	-17.1641
NPAS4	5.53037E-60	15.17979
SOX10	6.09358E-60	25.70736
SYT5	6.28155E-60	11.86493
LOC100130849	6.81645E-60	12.09337
AGAP1	7.57019E-60	19.23408
GSX1	8.67309E-60	31.16569
GPBAR1	1.084E-59	28.23689
RGS12	1.28905E-59	-23.5888
IMPG1	1.34451E-59	17.37333
PCDHGA7	2.41102E-59	20.82477
NKAIN3	2.7902E-59	12.45123
LOC107986946	2.7902E-59	12.45123
MFSD4A	3.20906E-59	26.62716
LINC00682	3.35752E-59	28.63414
FBXO44	4.0226E-59	33.65597
FBXO2	4.0226E-59	33.65597
LOC101927418	4.03926E-59	21.38785
NEK5	4.12152E-59	18.2927
IQCA1	4.65527E-59	23.33185
MTUS2	4.92622E-59	10.08385
ADGRB3	4.98095E-59	11.30361
LOC112267871	5.31401E-59	21.43306
LOC107986961	7.37161E-59	-25.0612
GASK1B-AS1	7.4031E-59	-29.372
GASK1B	7.4031E-59	-29.372
PHACTR1	7.98532E-59	24.08258
POU4F1	8.19491E-59	11.73053
CACNA1A	8.47165E-59	36.324
RNPEPL1	8.53507E-59	-24.5187
SYBU	9.1438E-59	20.92003
HSPA12B	1.13522E-58	23.14115
SPSB4	1.1673E-58	18.05777
ALPL	1.17688E-58	24.90475
DEGS1	1.21547E-58	31.70354
HORMAD2	1.46441E-58	17.81821
HORMAD2-AS1	1.46441E-58	17.81821
ADAMTSL4	1.52085E-58	22.07599
UCP1	1.87901E-58	10.76555
ZNF583	2.17984E-58	16.91472

FOXI2	2.32777E-58	35.89959
RCSD1	2.40093E-58	16.15023
LGALS4	2.5615E-58	-26.2141
ANKS1B	3.22874E-58	32.78549
VASN	3.31735E-58	18.00227
GALNTL6	3.63548E-58	17.48813
TMEM223	3.74498E-58	16.58483
TMEM233	3.76957E-58	17.46554
FSTL1	3.99133E-58	27.54976
TMEM54	4.18127E-58	27.80827
TMEM229A	5.1355E-58	23.99391
FSD1	6.07344E-58	11.40859
RAB11FIP1	6.65481E-58	-15.8104
TARID	9.24756E-58	25.55533
RFPL4B	9.72128E-58	-16.1091
SLC6A1	9.98413E-58	-13.3902
GFUS	1.00081E-57	11.41111
SLC16A1-AS1	1.04124E-57	-13.9566
LOC100130238	1.14711E-57	-28.8594
BMP7	1.44661E-57	27.94915
MIR935	1.49927E-57	15.21037
COLCA2	2.0942E-57	14.27942
MYH11	2.24034E-57	23.96226
RGS14	2.26434E-57	30.39841
FAM20B	2.36419E-57	-16.7245
SLC9A3	2.43868E-57	23.48281
LOC375196	2.5458E-57	34.08821
CGB8	2.57696E-57	-22.3768
LOC107987178	3.22924E-57	-26.8261
CHL1	3.40098E-57	29.29763
PRAC2	3.74703E-57	14.28476
ADAM15	3.94799E-57	26.85625
NBEAL2	4.08497E-57	24.10181
PPP1R16A	4.10212E-57	20.8166
LOC101928953	4.10212E-57	20.8166
VLDLR	4.59452E-57	25.5089
DNAAF9	4.8499E-57	18.22673
ADGRG1	5.14882E-57	29.80536
TRADD	5.39278E-57	25.06255
LINC01801	5.60561E-57	11.7229
PCDHA10	5.68631E-57	20.13497
DAB2IP	5.71375E-57	27.55078
ALDH1A2-AS1	6.20332E-57	15.36448
ALOX12P2	6.30856E-57	22.62563
MCC	6.34822E-57	15.99482
CACNA1H	6.39963E-57	-26.9631
MARS1	7.66123E-57	-16.5023
MIR24-1	7.84714E-57	15.91648
MIR3074	7.84714E-57	15.91648
TTC6	8.05162E-57	24.77228
LMF1	1.13723E-56	23.8452
GNAT1	1.36344E-56	27.24141
CAVIN3	1.41563E-56	26.0837
SULT2B1	1.65549E-56	-22.0055
TRIT1	1.92324E-56	-25.5483
MAP7D1	2.12929E-56	22.97038

GRIK2	2.13474E-56	18.86312
MOS	2.43954E-56	31.27394
PIWIL4-AS1	2.46885E-56	19.18462
LOC105377156	2.74604E-56	15.98479
SNED1	2.87544E-56	19.70593
PLCH1	3.00037E-56	-18.1212
PTBP1	3.15837E-56	27.79827
EML2-AS1	3.62773E-56	-23.973
EML2	3.62773E-56	-23.973
LINC01115	3.7164E-56	29.11422
TFAP2C	3.94989E-56	15.19461
JRK	4.18162E-56	-17.1169
BMP1	4.20828E-56	17.86606
WNT10B	4.85518E-56	30.68952
PROB1	5.41704E-56	39.18662
ENTPD2	5.54227E-56	-12.2308
ADRA2C	6.05047E-56	18.39405
OPCML	6.27666E-56	20.64948
SHC2	6.35784E-56	-34.3247
TMEM269	7.44708E-56	19.54704
PTPN20	8.89413E-56	16.24546
DEFB123	9.12395E-56	-23.8337
SCNM1	1.0733E-55	20.89053
CALD1	1.08577E-55	14.24291
MCEMP1	1.11156E-55	-21.9566
FNBP1	1.15234E-55	13.61425
LAMC3	1.15286E-55	16.79932
CSMD1	1.27107E-55	20.97466
APOLD1	1.5364E-55	-18.8895
KIAA1522	3.00891E-55	26.58471
MAST4	3.57271E-55	14.63871
VMO1	3.70476E-55	21.10335
PER1	4.85127E-55	12.75645
MMP2	7.06797E-55	19.12193
LOC101927609	8.63617E-55	-13.0545
RAP1GAP2	8.82798E-55	-18.3801
CFAP100	9.71091E-55	32.00841
GAMT	1.01979E-54	14.98738
FRMD1	1.35415E-54	-24.8133
ANKRD45	1.42232E-54	21.52586
SOX8	1.61564E-54	11.30192
SPACA1	1.75427E-54	21.41887
SLC6A3	1.79832E-54	21.39848
NRXN3	2.08916E-54	11.95395
C1orf94	2.68346E-54	21.18278
HSPA2-AS1	2.75544E-54	18.10501
MT1M	2.7906E-54	12.08681
TRIM58	3.86787E-54	12.96872
IRX5	4.10123E-54	28.71602
SNHG28	4.12568E-54	19.15425
MIR1185-2	4.17442E-54	-19.6755
MIR381HG	4.17442E-54	-19.6755
LPAR5	4.60964E-54	-20.467
ASCL2	4.68438E-54	20.60336
RIMBP2	5.74384E-54	19.53084
PPM1E	5.87715E-54	13.98986

LEP	6.29003E-54	26.94231
SLC30A8	7.01777E-54	-17.5139
DCUN1D2	7.21876E-54	14.24628
CYP26C1	7.5964E-54	20.84629
LINC00543	7.97173E-54	-14.229
HPCAL4	8.44597E-54	15.32254
PXDC1	8.9193E-54	21.62071
MALINC1	9.14057E-54	-17.1222
DGKG	9.41974E-54	15.75443
LINC02055	9.70714E-54	-13.983
LOC105373480	1.26701E-53	16.91606
PROCA1	1.28027E-53	22.34972
CIBAR1-DT	2.23643E-53	27.719
MIR1306	2.50425E-53	15.59402
DGCR8	2.50425E-53	15.59402
SYT9	2.67687E-53	20.66907
MIR4322	2.76908E-53	21.09875
ZNF177	3.1883E-53	21.52079
FLNC	3.25556E-53	-30.2008
RUNDC3A-AS1	3.45425E-53	17.16982
BOLA3	3.61724E-53	23.67997
PTGDR	3.93542E-53	12.40932
PLEKHA6	3.94504E-53	21.71554
MIR148A	4.30546E-53	-17.0326
ZNF22	5.20852E-53	-22.5334
C3orf80	5.63833E-53	14.64203
LFNG	6.21235E-53	-23.826
ZKSCAN7-AS1	8.78811E-53	12.80819
FAIM	8.80377E-53	17.15301
SLC66A1L	1.08558E-52	27.8542
CHST3	1.21456E-52	24.71218
LPAR2	1.33337E-52	-26.0123
SNORA71E	1.39808E-52	-18.301
SNHG11	1.39808E-52	-18.301
SKOR1	1.48457E-52	15.06036
PAK5	1.51126E-52	19.86629
CYB561	1.57372E-52	21.94839
HS3ST4	1.5982E-52	23.51784
ITGB2-AS1	1.61119E-52	-23.8515
ITGB2	1.61119E-52	-23.8515
CKM	1.78886E-52	12.89512
KCNC2	1.86259E-52	23.23516
FAM242C	1.89165E-52	29.44469
NOTO	2.33083E-52	15.63212
MGA	2.57599E-52	11.21901
LOC105370791	2.57599E-52	11.21901
ANKRD33B	2.95501E-52	14.88714
AGAP11	3.0121E-52	21.21506
NKX3-1	3.50275E-52	22.772
MIR656	3.54405E-52	-16.4574
NMRK2	3.58804E-52	21.42502
DAAM2	3.73375E-52	24.47529
SLCO4A1	3.90448E-52	-22.7105
SLCO4A1-AS1	3.90448E-52	-22.7105
LINC01391	3.91263E-52	18.1608
LY6K	3.96558E-52	23.17285

ARHGEF33	4.46656E-52	14.97838
LRRFIP1	7.77535E-52	11.97723
ETS2	8.23788E-52	-25.8427
LHX9	8.36506E-52	14.96271
FMNL1-AS1	8.69267E-52	21.26048
LOC157273	9.37244E-52	-22.6792
VAX2	9.44195E-52	12.78869
SIDT2	9.46572E-52	17.55929
KISS1R	1.02031E-51	10.72595
RAB32	1.06632E-51	-23.7209
TASOR	1.09706E-51	-17.6591
ELMOD1	1.13607E-51	20.7974
RHPN1-AS1	1.36087E-51	-14.0236
HDAC7	1.4391E-51	13.64052
LINC01580	1.44867E-51	-15.5969
LINC01579	1.44867E-51	-15.5969
LOC100653233	1.50604E-51	21.46245
MIR3147	1.50604E-51	21.46245
FEZ1	1.60307E-51	10.3025
CA10	1.64686E-51	21.61009
STX1A	2.02856E-51	27.88957
ST8SIA1	2.41395E-51	17.05778
CHRD	2.73011E-51	29.2484
THPO	2.73011E-51	29.2484
VGF	3.60963E-51	16.84758
OSMR-DT	3.72955E-51	20.26545
LINC01265	3.72955E-51	20.26545
LOC650226	4.18445E-51	21.41515
BCAM	4.22543E-51	-15.0611
CTPS1	4.61832E-51	19.4845
GLYATL1	4.6637E-51	16.53173
PCDHAC2	5.10596E-51	21.52841
NOD2	6.00258E-51	-13.7093
RBP7	6.37517E-51	-25.3015
PRSS27	9.05467E-51	13.06869
DEUP1	9.50765E-51	23.20288
LINC01725	1.0362E-50	12.9426
LOC101927560	1.0362E-50	12.9426
MIR6068	1.08377E-50	13.83539
LRAT	1.1203E-50	21.5412
LINC00879	1.15859E-50	-11.5949
TH	1.18465E-50	-27.0234
ANAPC1P1	1.19696E-50	17.50515
APOB	1.24078E-50	-21.6535
SPON2	1.26274E-50	14.08765
LOC100130872	1.26274E-50	14.08765
GATA3	1.43763E-50	10.55051
GATA3-AS1	1.43763E-50	10.55051
KDM2B	1.74205E-50	22.656
RSPO1	1.79699E-50	11.91834
MIR541	1.80923E-50	-17.8706
C2orf27A	1.83126E-50	26.04262
FAM228A	2.19802E-50	26.54992
LOC105374328	2.19802E-50	26.54992
MRPS31P5	2.36968E-50	18.34414
PGBD5	2.37123E-50	14.83185

ZNF681	2.42383E-50	10.35384
AVPR1B	2.90319E-50	11.97567
MED15P9	2.94044E-50	-15.4251
POTEF	2.94044E-50	-15.4251
MYO10	3.18962E-50	-22.2162
MPO	3.26468E-50	-16.9284
TOX	3.30855E-50	12.09101
LOC100240735	3.44376E-50	19.59387
MCF2L2	3.56651E-50	10.40808
SPRNP1	4.03619E-50	24.12452
FAM228B	4.06429E-50	14.86172
PFN4	4.06429E-50	14.86172
CARD14	4.07002E-50	21.48458
BGLAP	4.71066E-50	-21.4174
PYGL	5.18733E-50	12.41379
LMF1-AS1	5.35889E-50	21.03547
VPS28	5.52661E-50	-23.1202
ABCB6	5.63913E-50	15.46692
KCTD1	7.22357E-50	21.1375
MTNR1B	8.60307E-50	23.90769
CDRT15P3	8.72156E-50	15.41355
NDST3	1.00255E-49	13.1444
PRCD	1.14751E-49	21.01701
CYGB	1.14751E-49	21.01701
CST6	1.31223E-49	10.6132
LOC101927437	1.34255E-49	23.62983
SLC6A6	1.49054E-49	-22.5455
ACOT7	1.68303E-49	-21.8488
PRDM1	1.69826E-49	22.34848
HLTF	1.85495E-49	15.9435
ZFP57	2.37045E-49	-22.6967
TNS2	2.39856E-49	18.39427
CBLC	2.44055E-49	-28.1838
ZNF841	2.51438E-49	11.21455
AFDN-DT	2.854E-49	15.51663
PRDM11	4.03191E-49	17.77138
LINC02282	4.61755E-49	28.08868
ROBO2	4.64498E-49	19.23062
COL20A1	6.52634E-49	-26.7959
LINC02593	6.86001E-49	-19.8043
RAB4A	7.0733E-49	-18.7687
CPA1	7.23118E-49	24.90058
JAK3	8.57993E-49	15.89257
CPT1C	8.77871E-49	12.44024
SBNO2	9.90084E-49	15.37989
INTS11	1.11368E-48	22.09117
KIAA0895L	1.13259E-48	16.87683
CYP11A1	1.30974E-48	10.48625
EMILIN1	1.49431E-48	17.88906
C1QL3	1.641E-48	25.61403
NCAN	1.7491E-48	32.08953
MIR483	1.75575E-48	-16.8744
ZNF287	1.98255E-48	11.114
LOC112267904	1.98791E-48	13.72893
LINC00701	2.49816E-48	-19.9151
GABRA2	2.65949E-48	11.08733

KCNAB2	3.33761E-48	-18.1334
TMEM266	5.67746E-48	12.09349
KCNV1	5.92445E-48	13.37642
BLCAP	5.9763E-48	21.90932
LINC01511	6.4489E-48	10.95673
NDUFA4L2	7.69185E-48	14.67979
MIR3189	7.84002E-48	-21.5518
GDF15	7.84002E-48	-21.5518
APOE	7.95336E-48	10.44343
PDE4B	8.25893E-48	19.80487
KNCN	9.74964E-48	-25.0146
MLNR	9.9223E-48	17.13463
CLEC20A	1.07635E-47	22.8872
ITGA2B	1.16166E-47	11.11081
IRAK2	1.24854E-47	13.29175
DAPK1	1.38993E-47	19.08613
GJD2-DT	1.44368E-47	19.62133
GJD2	1.44368E-47	19.62133
TMEM26	1.47517E-47	18.84178
LOC101927759	1.49251E-47	-15.8788
LINC01132	1.50121E-47	-18.7717
NEUROG1	1.52984E-47	20.54054
LINC00028	1.7407E-47	33.66839
PDE3B	1.95822E-47	-17.7569
SNX8	2.17686E-47	15.45071
FAM218A	2.23719E-47	10.67725
LOC728024	3.17635E-47	17.8273
ALDH1L1	3.83239E-47	10.06772
ADAMTS3	6.54758E-47	19.44342
RIIAD1	6.74939E-47	19.74324
ZNF667-AS1	6.8122E-47	26.97364
ZNF667	6.8122E-47	26.97364
LOC105376291	7.98443E-47	-23.0221
HOXA10-AS	8.13848E-47	20.04662
SHISA3	8.28097E-47	11.01128
SCUBE3	1.03286E-46	27.57723
C1orf35	1.08425E-46	19.03106
ZNF737	1.112E-46	11.15182
NHP2	2.00418E-46	-23.5309
SCN4B	2.02454E-46	16.92563
CD247	2.09492E-46	15.98956
MMP23B	2.57968E-46	24.937
ADAM11	2.68652E-46	20.26067
UGT1A1	3.42693E-46	-22.0014
ADGRL4	3.47271E-46	22.1333
MIR496	3.5928E-46	-11.6484
NTMT1	3.64464E-46	-26.751
PDCD1	3.97974E-46	-15.3841
SGK1	4.58784E-46	16.46704
DTNA	5.94122E-46	25.487
LINC01381	8.21241E-46	19.35497
PIK3CD	9.6876E-46	21.41251
EVA1B	1.12589E-45	17.88759
ARHGEF4	1.25859E-45	19.91976
PLAGL1	1.4211E-45	-14.1258
RTBDN	1.4768E-45	23.25285

LINC02891	1.5752E-45	24.43356
NSD1	1.59598E-45	17.90439
HBQ1	1.75873E-45	-15.6503
AP2A2	1.77244E-45	16.91069
LINC01301	1.90504E-45	-12.2779
IRAG1	2.07984E-45	21.64984
RYR3-DT	2.08239E-45	21.41705
PDE4DIPP4	2.19834E-45	15.24683
DZIP1L	2.33025E-45	11.78484
NLRP6	2.43825E-45	-20.6613
CACNA2D1	2.51801E-45	12.05741
GSTM3	2.64391E-45	11.03142
MZT2B	2.93593E-45	-16.2678
MYL9	2.96646E-45	23.75443
SOX9-AS1	3.09492E-45	29.46067
NPTX2	3.79085E-45	23.05506
TRPV3	3.96587E-45	13.84745
MIR7-3HG	4.46311E-45	11.48953
MIR7-3	4.46311E-45	11.48953
LOC105370689	4.76183E-45	-17.7917
PDE2A-AS1	4.85114E-45	11.29445
LOC107986925	5.18583E-45	23.22807
SYT15	7.50901E-45	35.49464
FRRS1L	7.86466E-45	23.65327
CSNK1D	9.88338E-45	18.54304
LOC105372383	1.14323E-44	28.10241
TRIM29	1.21811E-44	-19.3374
FGFR2	1.40772E-44	16.26573
DPCD	1.42221E-44	11.01529
VILL	1.42755E-44	28.3969
CNDP2	1.49176E-44	-22.1733
CELF3	1.59274E-44	19.2909
TMEM184B	1.78993E-44	19.10394
IRX2	2.12647E-44	17.15089
TAS1R1	2.71931E-44	17.06955
NOL9	2.71931E-44	17.06955
GNA12	2.76218E-44	16.39728
GPR85	2.97974E-44	19.39229
BMS1P21	3.02009E-44	12.73621
PCDHGA4	3.08856E-44	21.14367
GSC	3.12323E-44	13.24254
KLF17	3.51915E-44	-21.0474
REM1	4.12055E-44	25.89767
MEG3	4.78629E-44	19.92554
TMEM263	5.36163E-44	17.04332
RASIP1	6.42486E-44	-19.3659
SLC2A7	6.89636E-44	-21.1985
LDB3	8.4091E-44	22.93796
LGALS3BP	9.38727E-44	23.48911
LDLRAD4	9.68104E-44	21.52068
CD81	9.96375E-44	14.72153
PIP5KL1	1.10349E-43	17.00542
LYPLA2P2	1.14919E-43	-25.0291
LHX4	1.33769E-43	14.33847
NLRP4	1.34564E-43	-14.3433
PLA2G7	1.41514E-43	12.25262

MEI4	1.43134E-43	24.17336
FAM163B	1.58887E-43	16.05606
C16orf92	1.6411E-43	-22.0215
NPPB	2.47099E-43	22.5793
CCDC184	2.836E-43	15.64545
PDGFA	3.46258E-43	22.53472
SMIM17	3.62684E-43	25.10326
RTEL1-TNFRSF(	4.58547E-43	15.90214
RTEL1	4.58547E-43	15.90214
STMN3	4.58547E-43	15.90214
PDE1B	4.74736E-43	15.75728
EVX2	4.98244E-43	10.00429
SPPL2C	4.98438E-43	-25.7303
MIR4456	9.49274E-43	-25.6399
ZNF546	1.14426E-42	10.88171
FCHO1	1.19718E-42	-21.5035
ZBTB32	1.20061E-42	16.07991
RNF207	1.20257E-42	12.9855
CDH6	1.24085E-42	18.70591
SMARCD3	1.25869E-42	16.92074
MIR377	1.48126E-42	-21.9042
LOC105375614	1.57521E-42	17.5996
ALG1L	1.70129E-42	14.75072
LOXL4	1.818E-42	13.23259
LINC02861	1.95193E-42	-20.684
THBS4	2.49342E-42	23.98933
RORA	2.52877E-42	20.79974
LOC107984805	2.52877E-42	20.79974
PRICKLE2-DT	2.61439E-42	20.71427
DSE	2.75193E-42	16.49437
RTKN	2.8524E-42	-18.0654
L3MBTL2-AS1	3.92324E-42	16.6294
LOC101927636	4.00399E-42	21.88265
LOC105377460	4.00399E-42	21.88265
FLVCR2	5.40487E-42	16.17794
TTLL5	5.40487E-42	16.17794
MNT	5.828E-42	15.67499
PRR14	5.83013E-42	13.00551
VWA1	5.99412E-42	24.32173
ELFN1	8.24715E-42	-12.8874
MIR10B	9.76615E-42	-17.2282
PYGM	1.05382E-41	18.84217
RWDD3	1.09321E-41	13.89197
FER1L4	1.18937E-41	23.40524
ID4	1.42209E-41	14.32637
FGF2	1.50751E-41	24.09277
ITGBL1	1.5119E-41	-15.7475
NAPRT	1.61099E-41	-11.98
DSTNP2	1.65617E-41	10.33189
NWD1	1.75136E-41	-14.2095
CACNG7	1.92458E-41	21.33845
MIR200B	1.99302E-41	-20.9325
LOC101928523	2.2737E-41	-18.2154
OTOS	2.53528E-41	-23.7385
GPHA2	2.56566E-41	17.0024
B4GALT7	2.63942E-41	-21.9099

LOC112268068	2.70679E-41	23.70468
ZBTB44	2.83323E-41	-20.4676
TRPM2	2.85356E-41	-20.1306
RASSF2	2.9113E-41	-22.956
NLRP11	3.12782E-41	-15.3138
TMOD2	3.15674E-41	16.04192
ZNF30-AS1	3.15973E-41	12.10997
SPRED3	3.47559E-41	16.24528
GGN	3.47559E-41	16.24528
MIR4520-2	3.53259E-41	22.12202
MIR4520-1	3.53259E-41	22.12202
FNDC11	3.84032E-41	20.23764
CLEC9A	4.36973E-41	-17.3364
LOC102724020	4.36973E-41	-17.3364
CFAP161	5.61667E-41	17.07441
PWWP3A	6.90687E-41	13.35267
DPM2	7.54546E-41	13.15858
KIF25	9.26425E-41	-12.5726
LOXL2	9.69732E-41	23.89245
ADRA1A	9.94838E-41	21.50645
MIR124-1HG	1.12853E-40	14.62687
BCAN-AS1	1.22629E-40	-14.6519
GABRA5	1.24398E-40	19.66004
NIPSNAP1	1.34482E-40	-23.6287
HTR5A-AS1	1.60395E-40	12.26332
SSC5D	1.7567E-40	24.14992
GNB4	2.05199E-40	12.6661
PP12613	2.18631E-40	20.82325
SLC35G2	2.22469E-40	20.17408
PCYT2	2.25977E-40	13.2778
RBMS1	2.37543E-40	15.86581
MIR4785	2.37543E-40	15.86581
ANKDD1A	2.40502E-40	14.23085
BTBD2	2.68568E-40	14.34038
MLXIP	2.73364E-40	16.24014
PRKG1	2.74198E-40	11.26795
NUP58	2.81727E-40	20.23974
SDR16C5	2.86918E-40	-24.5204
EP400	2.90574E-40	20.58611
TADA2B	2.92891E-40	15.06712
VRTN	2.95914E-40	23.35152
LAMC2	3.07979E-40	-17.9411
C1orf115	3.12444E-40	19.47829
OSTM1-AS1	3.17813E-40	20.62152
SNORA3A	3.43766E-40	-15.7524
RPL27A	3.43766E-40	-15.7524
MIR299	3.64705E-40	-15.8981
CMTM8	4.21852E-40	-21.4486
FERMT3	4.66915E-40	-13.5149
CAMTA2	4.74197E-40	22.38202
ATP6V1B1	4.97173E-40	17.80819
WNT5B	5.05485E-40	22.78865
ARHGAP33	5.55868E-40	-24.5588
TMED11P	5.69717E-40	-20.2993
TMEM121	6.01793E-40	19.63851
PCDHB3	6.41955E-40	20.59865

MRC2	7.1412E-40	13.28823
NRADDP	7.48568E-40	25.01167
CYB561D2	7.48663E-40	-14.6742
CACNA2D2	7.48663E-40	-14.6742
RARB	8.50375E-40	10.66885
MARK1	8.82949E-40	14.56664
GNA15	9.19296E-40	-16.8734
ESPNL	1.04283E-39	-13.1833
CNTN2	1.13423E-39	-23.3475
SPNS3	1.14283E-39	-20.1886
DPY19L1P1	1.24667E-39	14.86956
CATSPER2	1.39694E-39	12.21732
TMC6	1.72096E-39	-15.6099
RAET1G	1.72373E-39	13.18971
MIMT1	2.03757E-39	17.34635
ZIM2	2.03757E-39	17.34635
TSPAN32	2.4091E-39	-17.6815
PROK2	2.46293E-39	17.38792
ZNF496	2.61642E-39	18.60895
MIR4497	2.65129E-39	20.25514
HMGCLL1	2.69493E-39	18.91974
EFNB3	2.87234E-39	15.60056
LMO2	2.90933E-39	11.29658
LHX6	3.24172E-39	23.60431
PTK2B	3.41933E-39	-12.7705
NXPH1	3.51883E-39	24.76726
KBTBD11-AS1	3.58443E-39	13.47154
GABRD	3.81276E-39	18.02452
ANKRD30BL	4.0108E-39	-15.0058
SPEM2	4.36703E-39	-18.6177
FGF20	4.5975E-39	14.18887
LOC107984375	4.81551E-39	26.09196
LINC02179	6.10071E-39	28.02276
OSMR	6.9378E-39	15.7179
ZNF12	7.15024E-39	10.76217
RSRC1	7.38153E-39	16.88112
IRF7	7.38322E-39	-22.914
DNAH11	7.3873E-39	15.75224
ZNF594-DT	7.54491E-39	14.39513
TMEM61	8.01271E-39	16.22971
LOC105378736	8.01271E-39	16.22971
CDHR5	9.53005E-39	23.77872
AXL	9.63411E-39	17.75212
NLRP7	9.69327E-39	-17.5853
TRIM17	1.3383E-38	24.57145
LOC105372068	1.41495E-38	24.05746
CELF4	1.41495E-38	24.05746
CANT1	1.587E-38	-16.7167
ARHGAP25	1.75021E-38	-13.8431
AGO4	1.75772E-38	15.97463
FAM240C	1.85921E-38	12.45969
OBP2B	2.122E-38	-27.5409
SERPING1	2.15432E-38	16.26646
DPEP1	2.23642E-38	20.12058
NPHS2	2.24282E-38	14.93218
ADSS1	2.29723E-38	-19.3793

BSX	2.38958E-38	17.16829
TBCD	2.38987E-38	-19.5582
MIR6875	2.54161E-38	21.14228
BMP3	2.64867E-38	14.39593
RAB5A	2.86408E-38	-19.5023
VSTM2L	3.03493E-38	28.90431
HPN	3.86757E-38	25.19241
SLC26A1	4.90015E-38	-23.877
SPINT2	5.12875E-38	-20.3058
TSPAN31	5.43282E-38	20.02998
AGAP2	5.43282E-38	20.02998
PHACTR3	5.4954E-38	19.28672
MIR1224	6.48029E-38	16.61004
DUOX1	8.02826E-38	14.31123
LOXL3	8.08648E-38	-12.4962
TECTA	8.62128E-38	-12.1616
LOC649352	9.22177E-38	-14.7882
LRCOL1	1.06154E-37	15.63402
ANKMY1	1.12349E-37	16.35053
MYLK	1.15858E-37	13.75399
SPEG	1.16042E-37	22.3604
MCIDAS	1.32552E-37	19.90615
PPP2R3A	1.58094E-37	16.49801
LOC105373616	1.83785E-37	17.02358
LINC02572	1.83785E-37	17.02358
LINC00368	1.91599E-37	-16.2119
HCN4	2.14183E-37	14.71445
GPX7	2.20559E-37	17.67301
PCDHGB6	2.27144E-37	20.82703
MIR589	2.78896E-37	18.77557
SLC39A13	2.89902E-37	13.38102
SPI1	2.89902E-37	13.38102
COLEC12	3.14239E-37	18.85924
GPRC5B	3.53047E-37	12.96878
TMEM275	3.92375E-37	27.39768
DOCK6	4.41558E-37	13.86303
CCDC116	4.50609E-37	-17.9416
GGT6	4.51631E-37	-20.7573
DLX6-AS1	4.55759E-37	23.40041
MATN4	4.74193E-37	23.53142
SET	5.4065E-37	-13.314
YJEFN3	7.36275E-37	27.95995
MAL2	7.37646E-37	-12.5085
IZUMO2	7.61843E-37	13.8537
ASB1	7.69677E-37	-16.082
BAIAP2L2	8.80152E-37	-19.2765
PCAT7	9.13332E-37	-20.2148
TMEM190	1.02648E-36	-23.6648
HGS	1.05843E-36	-18.0981
SNAPC2	1.1121E-36	11.62164
ZNRF1	1.18627E-36	11.6831
MYOM3	1.32741E-36	-28.0636
DOCK3	1.32747E-36	11.35669
MIR4787	1.32747E-36	11.35669
LINC01159	1.33886E-36	12.49224
RWDD2B	1.39276E-36	-10.7777

LOC101929908	1.51134E-36	23.31427
MADCAM1	1.74457E-36	16.6438
SLC2A1	1.9392E-36	14.77192
PRAP1	1.97521E-36	-16.2661
ZNF511	1.97521E-36	-16.2661
TUBGCP2	1.97521E-36	-16.2661
CAPS	2.17902E-36	18.38334
DRD5	2.96215E-36	21.51364
NCAM1-AS1	3.24199E-36	-26.3662
ENKD1	3.27683E-36	25.06736
ADAM2	3.33649E-36	-13.2194
HIC1	3.53536E-36	24.54011
CLDN11	4.06102E-36	11.09681
CORO6	4.06526E-36	10.00289
THAP3	4.37704E-36	13.02371
GPRC5C	4.43836E-36	-10.0309
ZFAND2A	5.6091E-36	-20.821
LINC02405	6.33801E-36	-15.4199
LINC02848	6.70318E-36	14.77772
CD300A	6.70318E-36	14.02314
PTPRE	8.39721E-36	-16.1577
CYB5R1	8.89386E-36	10.17911
NBPF3	9.03295E-36	10.47
USP35	9.3574E-36	23.0317
MIR618	9.7726E-36	10.19878
CYTH4	1.11091E-35	-12.7168
LTBR	1.25327E-35	-21.566
MYO7A	1.42417E-35	22.89097
GRIK4	1.56391E-35	16.83705
TMEM30B	1.59283E-35	-17.194
LOC105375610	1.83535E-35	-10.748
LINC00506	1.88461E-35	17.60131
ZNF890P	2.36832E-35	18.33449
APCDD1	2.41619E-35	-12.8076
MYF5	2.57807E-35	21.44402
RIT1	2.72812E-35	14.46849
SLC16A12	3.4948E-35	-14.0954
SLC22A18	3.56854E-35	25.38612
LTBP2	3.7159E-35	15.46607
FAHD2A	3.73001E-35	12.53512
CEMIP	4.54402E-35	25.54765
MSRB3	4.81411E-35	13.02463
GFAP	4.8894E-35	-13.2234
GBX1	4.98207E-35	11.22066
LIMK1	8.16797E-35	12.71738
NPAP1	8.24063E-35	-14.2203
GRTP1	8.45772E-35	23.38836
INSL3	8.8735E-35	16.56475
ASPRV1	9.95749E-35	-10.719
PCBP1-AS1	9.95749E-35	-10.719
CABP1	1.0268E-34	17.16221
SERPINB5	1.03511E-34	-23.3722
CCDC74B	1.17032E-34	16.50688
IGFBP7	1.19809E-34	10.83504
LINC01990	1.27832E-34	11.45909
LINC00942	1.31204E-34	-14.8613

ST6GAL1	1.33455E-34	13.33597
CFAP77	1.54185E-34	18.68892
ANO7L1	1.58299E-34	16.91188
ABCC8	1.76592E-34	12.5579
TMEM132B	1.81192E-34	13.4601
CHDH	2.02342E-34	-23.0152
MT1B	2.1031E-34	16.37199
WSCD2	2.35023E-34	17.84783
PERM1	2.8804E-34	-25.1926
PCDHGA5	2.89846E-34	18.97043
VAMP5	2.96768E-34	13.73172
UNC93B1	3.04691E-34	-17.5203
GRB14	3.07146E-34	13.11376
ITIH1	3.43738E-34	-17.5547
PRR29	3.53637E-34	16.47972
JAZF1-AS1	3.68821E-34	21.36623
CNNM1	3.93955E-34	18.767
AGAP3	4.08291E-34	11.00832
CFAP410	5.9293E-34	13.27574
SH3GL3	6.20131E-34	15.0174
ABCG8	6.65234E-34	20.94867
KRTAP17-1	6.70124E-34	15.98457
PKNOX2	6.72043E-34	11.7841
MYO1F	7.01861E-34	12.81229
ANO1	7.34959E-34	19.40348
NCOR2	8.26454E-34	20.13667
ZFYVE21	8.49333E-34	13.90633
SLC38A11	1.02224E-33	17.76454
MIR193B	1.02462E-33	16.63989
ARPIN-AP3S2	1.22531E-33	-14.6005
ARPIN	1.22531E-33	-14.6005
TF	1.41132E-33	18.29858
TIMM44	1.59942E-33	17.20027
ERN2	2.03281E-33	25.07437
LOC653653	2.33647E-33	-10.0863
POMC	2.47961E-33	13.01001
PAX8-AS1	3.13829E-33	-20.3767
PAX8	3.13829E-33	-20.3767
PDXK	3.43062E-33	19.3323
CTNNAL1	3.44214E-33	24.62544
ATG16L2	3.57848E-33	28.95615
NPLOC4	3.63935E-33	18.27095
SLC38A8	3.92805E-33	-16.9926
RPH3AL	4.18666E-33	14.56996
DGKQ	4.28772E-33	16.38323
EGR2	4.78634E-33	14.37536
LOC107985286	4.79974E-33	16.92174
GUCY1B2	4.99906E-33	-20.2967
ADGRG3	5.5952E-33	-20.9223
MYT1L	5.97289E-33	-14.1819
C14orf39	6.7728E-33	23.42889
BRD1	6.86976E-33	-13.7037
RAP1GAP	6.93796E-33	16.16635
TWIST2	7.94747E-33	13.97715
GRID2IP	8.2517E-33	17.84992
TBC1D24	8.6289E-33	23.9862

LOC100507547	9.33344E-33	14.43645
PANTR1	9.67157E-33	12.73775
MMP17	1.0886E-32	-18.6089
LOC100505588	1.17617E-32	22.19968
DGKA	1.25133E-32	15.13196
MMP15	1.26102E-32	-18.7177
ST6GALNAC4	1.26256E-32	19.79432
PACS2	1.31719E-32	15.38951
ZG16B	1.59868E-32	-14.2597
SEMA3C	1.63666E-32	-18.8048
CSNK1A1L	1.70798E-32	-12.7793
ANTXR1	1.76227E-32	16.37014
FBLN1	1.76999E-32	-10.1774
LINC00940	1.97096E-32	19.83884
LOC100129138	1.99331E-32	-17.2397
HOXD13	2.07857E-32	14.08079
MAN1C1	2.13916E-32	11.50627
ZNF451-AS1	2.15585E-32	11.39116
SHISAL2B	2.17577E-32	24.2175
RGS7BP	2.21178E-32	17.94709
MIR378B	2.5195E-32	-21.9165
PLAU	2.85891E-32	-20.713
ITGB1BP1	2.92223E-32	11.1745
NDUFV1	3.10969E-32	19.49882
NDUFV1-DT	3.10969E-32	19.49882
AMZ1	3.75836E-32	-20.9501
ITGB3	4.22352E-32	19.21338
GPR27	4.54994E-32	22.05369
AKAP10	4.5648E-32	17.70104
IRF5	5.06293E-32	19.06548
DAO	5.22832E-32	-18.6611
SPDYE4	5.67156E-32	-14.2572
FGF1	6.47042E-32	19.00486
LOC105370792	6.71243E-32	-11.8123
SPTBN5	6.71243E-32	-11.8123
SNORD115-39	7.18098E-32	-20.9679
GYS2	7.40892E-32	12.11542
LDHB	7.40892E-32	12.11542
ACBD5	7.66646E-32	-13.1007
PRKG2	7.90979E-32	11.64253
TEX26	9.17151E-32	18.91039
TEX26-AS1	9.17151E-32	18.91039
RCAN3	1.09228E-31	-10.8383
KLF3	1.12752E-31	11.15516
GET1	1.30307E-31	-10.3131
DOT1L	1.37131E-31	19.22984
ACY3	1.51665E-31	-13.2509
TBX2	1.54123E-31	11.06064
ZNF292	1.57491E-31	10.57933
CA7	1.64796E-31	10.3898
FAM181B	1.66652E-31	17.11811
BRCA1	1.69015E-31	-14.6648
ST8SIA3	1.79524E-31	24.53352
NME2	1.82077E-31	17.46251
CHGA	2.36839E-31	19.49138
FST	2.40474E-31	11.63784

GRB10	2.69468E-31	-15.1082
AIRE	3.70311E-31	-15.7354
TNK2	3.81689E-31	20.00737
CRIP2	3.82286E-31	-17.6189
FBXL6	4.19755E-31	-17.5493
C10orf88B	4.58787E-31	-10.2906
NNAT	5.69277E-31	16.61261
CCN1	5.93244E-31	13.69263
B3GNTL1	6.24997E-31	18.09585
LYPD3	6.31952E-31	17.2826
LOC100289333	6.4863E-31	17.67186
FOXCUT	6.87735E-31	-10.9005
RCN3	7.87072E-31	20.01011
PCDHB19P	9.25497E-31	21.04946
LINC00602	1.02043E-30	10.61694
AMN	1.10515E-30	-12.5108
KIF5C	1.17057E-30	12.3752
MECOM	1.17296E-30	12.90097
ORMDL3	1.22949E-30	-15.3701
GFPT1	1.35959E-30	-16.7925
C2orf68	1.38643E-30	-11.1223
TRPM1	1.57815E-30	-11.0768
NADK	1.63745E-30	-26.5051
ABCA2	1.65777E-30	-18.2131
NT5E	1.8294E-30	12.34581
EPHB3	2.08308E-30	12.86135
DBN1	2.21105E-30	21.9539
FAM118A	2.47363E-30	-14.176
ACTL7B	2.59491E-30	-15.4829
FBLN7	2.73968E-30	24.66123
OSM	2.88393E-30	-18.5392
EZR	3.10179E-30	-15.355
LETR1	3.43935E-30	12.52339
LOC105370994	3.43935E-30	12.52339
CPZ	4.73383E-30	-15.3371
IGDCC4	4.98137E-30	15.43207
PTX3	5.19953E-30	19.90432
KRT42P	5.99946E-30	19.08816
UNC5A	6.27709E-30	11.26742
PDYN	6.67839E-30	-12.5945
LINC02851	7.3189E-30	-14.9468
LRRC72	7.49371E-30	-12.1827
PTPRO	8.07521E-30	12.91497
TMEM45B	8.09245E-30	-12.2106
ELAVL4	8.47413E-30	17.41293
GPS1	8.71677E-30	12.07372
RFNG	8.71677E-30	12.07372
LOC101927020	9.2973E-30	11.54665
CRISP2	9.2973E-30	11.54665
ZNF662	9.6594E-30	16.73498
MIR1249	9.99993E-30	14.2196
ZFP41	1.01391E-29	18.15175
TTYH1	1.04939E-29	22.84886
ADIRF-AS1	1.06885E-29	15.12443
PDZD2	1.12181E-29	12.98166
GPR17	1.14105E-29	20.42421

COL27A1	1.17361E-29	12.36164
MCHR1	1.29819E-29	20.9183
SRXN1	1.44146E-29	10.15883
SCRT2	1.44146E-29	10.15883
MYL10	1.55621E-29	-14.9587
SYPL1	1.87838E-29	-15.313
FXYD1	1.96875E-29	18.09253
LOC105373358	1.98647E-29	-19.3991
LHCGR	2.04811E-29	19.0731
LOC729683	2.07305E-29	22.45759
LIMD2	2.07305E-29	22.45759
LOC100240728	2.18528E-29	11.25736
BRSK1	2.50931E-29	-13.5867
SYT8	2.79033E-29	22.27964
ACER2	2.83094E-29	19.27194
XKR8	3.23386E-29	-12.3782
MED13L	3.29194E-29	13.56727
GUSBP10	3.39063E-29	-14.5165
ZFP42	3.59945E-29	17.94043
ITGB7	3.65043E-29	16.05115
LOC101929373	3.73493E-29	18.69599
TMEM59L	3.9087E-29	13.39199
TRIM31	4.20062E-29	-15.7752
RBM47	4.33423E-29	-20.6604
FBXO17	4.56329E-29	14.34105
RNASEH2A	4.7053E-29	-12.3391
LOC107985177	5.21729E-29	15.18554
AK4	6.01396E-29	18.0015
KIF18B	6.77699E-29	11.77706
LINC01377	6.82094E-29	-11.8123
RASL11B	7.28957E-29	12.08879
LPIN3	7.32005E-29	-10.175
LINC01168	1.07933E-28	-16.5883
CCR10	1.15551E-28	11.64135
PUF60	1.17767E-28	-21.4401
RIPOR1	1.2242E-28	15.87405
MIR133A2	1.29313E-28	-17.4438
LAIR2	1.31921E-28	-15.0711
CISD3	1.3289E-28	14.34737
RNF216	1.36013E-28	-19.6802
MYO1C	1.60853E-28	12.02946
LINC01145	1.73069E-28	14.14698
COPS9	1.7915E-28	-13.1177
HOXB6	1.86896E-28	-21.7176
MRPL55	1.99115E-28	16.97807
POM121L12	2.08551E-28	-14.7825
NFE2L3	2.24679E-28	-17.412
SH3D21	2.25154E-28	17.53072
PDGFRA	2.4123E-28	10.78143
CHST1	2.9139E-28	-16.0456
NLGN2	2.91903E-28	-12.7402
CCDC166	3.6286E-28	11.46065
CTF1	4.60184E-28	20.76897
SH3BP4	5.95448E-28	17.97106
DMRTA1	6.03334E-28	11.67216
CCDC183-AS1	6.0669E-28	-13.2109

FRG2KP	6.45976E-28	10.37676
SLC15A4	6.61654E-28	11.58354
HTATSF1P2	6.64225E-28	-13.0252
GRM6	6.69146E-28	-10.5435
ESRP2	6.8946E-28	-15.371
CTBP1	7.08043E-28	19.02755
TNFAIP8	7.81479E-28	-15.7306
RAB5C	8.1134E-28	17.484
INPP5F	1.09857E-27	18.97312
DUOXA1	1.11635E-27	11.63443
GPR180	1.31859E-27	15.58209
CXCL5	1.38467E-27	17.89468
REPIN1-AS1	1.40006E-27	-10.7218
KCNN1	1.40063E-27	10.53318
TTLL10	1.42685E-27	12.59733
TTLL10-AS1	1.42685E-27	12.59733
SSH1	1.4408E-27	14.13694
INMT	1.50814E-27	14.78399
INMT-MINDY4	1.50814E-27	14.78399
NOTUM	1.56326E-27	14.81043
MYOZ3	1.63647E-27	-15.3512
RASL12	1.63679E-27	18.79412
NSMF	1.71657E-27	15.18912
LINC02579	1.71784E-27	-16.2468
LCN10	1.85668E-27	-14.8104
INSL6	1.94759E-27	-14.3849
OPLAH	2.03566E-27	11.34671
PRSS3	2.18493E-27	-14.5854
TBC1D29P	2.19128E-27	-17.9616
PLPPR2	2.43923E-27	-15.1201
CGB3	2.49612E-27	-18.1965
CGB1	2.49612E-27	-18.1965
BTNL9	2.59258E-27	14.81637
PRG2	2.75188E-27	-22.6394
HELZ	3.256E-27	-23.9243
RLN3	3.48951E-27	-14.1566
STARD10	3.84537E-27	-15.7372
ATAD3C	4.21036E-27	-17.5207
SSPOP	4.4353E-27	-18.3568
MEGF6	5.04062E-27	17.24979
LINC01044	5.10418E-27	17.74629
OTOP2	5.22878E-27	11.09741
USH1G	5.22878E-27	11.09741
CHTOP	5.5075E-27	-11.7561
DYRK3-AS1	5.64148E-27	13.21804
PAQR5	6.31307E-27	13.10333
LOC112268044	6.57154E-27	14.66988
ACVR1C	7.27168E-27	18.23815
USP40	7.58146E-27	19.58652
ATXN7L3	8.05291E-27	15.99546
PAEP	8.23535E-27	-20.5827
PCDHGB3	8.69511E-27	16.15201
CASZ1	1.00327E-26	17.31795
MIR7107	1.08531E-26	13.40326
NPTN	1.57025E-26	-17.8218
USP29	1.75355E-26	14.78629

GUCA1A	1.78236E-26	22.73621
PTX4	1.88006E-26	-14.127
NFIA	1.89423E-26	-11.1138
NGFR	2.12149E-26	11.28101
FAHD2B	2.24344E-26	13.26463
GSN	2.32514E-26	11.11079
LINC00261	2.38602E-26	11.55786
MIR200C	2.47585E-26	-18.7335
MIR141	2.47585E-26	-18.7335
PRR7	2.67408E-26	-13.0878
PRR7-AS1	2.67408E-26	-13.0878
BIVM	2.76599E-26	12.26762
GABRB3	3.0046E-26	-16.2253
GCAWKR	3.18418E-26	15.395
LOC107986898	4.02233E-26	-15.8787
TMEM151A	4.07691E-26	12.155
MMP21	4.88215E-26	-10.9417
SPEM1	5.33759E-26	-13.6325
LOC105369999	5.38734E-26	14.24925
TNNI3	5.46007E-26	14.65431
RFX2	5.92829E-26	-18.0278
LCN6	6.27233E-26	-14.3253
OSBP2	6.91562E-26	21.01679
CHD3	7.35065E-26	11.45038
LOC105374325	7.84847E-26	14.60935
SLC16A8	8.43528E-26	12.80063
KCNF1	9.8273E-26	12.01727
DIPK1B	9.85982E-26	12.22818
XRCC3	1.055E-25	17.84046
CAV2	1.06668E-25	13.86142
BCAR1	1.16166E-25	19.09838
SHF	1.37979E-25	15.23659
LSM7	1.43326E-25	14.17744
CD93	1.4669E-25	-11.2702
PIK3R5	1.51712E-25	17.40167
TACC2	1.54121E-25	19.83722
PRAC1	1.59538E-25	12.52617
TMEM163	1.84156E-25	20.80817
TIGD3	2.06766E-25	13.89131
ARHGDIA	2.24436E-25	20.41868
NEURL4	2.46107E-25	17.49536
PLPP5	2.54411E-25	13.02673
KIAA1549	3.0364E-25	12.69639
LINC00471	3.38904E-25	13.66523
LINC01266	3.45151E-25	14.12756
TMEM171	3.50127E-25	-11.6443
BAIAP2	3.59846E-25	10.61405
ATCAY	3.94678E-25	-16.466
AMER3	4.29221E-25	14.13859
SCARF1	4.36211E-25	-18.4048
MEDAG	4.39363E-25	13.66371
LOC105375992	4.68976E-25	11.0254
ELAVL2	4.68976E-25	11.0254
NDUFAF1	4.93326E-25	-17.9045
PDGFA-DT	4.95463E-25	21.12348
ADM2	5.17771E-25	13.1037

LOC107984132	5.54232E-25	-11.3972
LOC441242	6.02957E-25	-18.2942
C11orf97	7.06647E-25	10.80071
HK1	7.62638E-25	16.74296
MUC3A	8.29563E-25	16.0295
CSGALNACT1	9.23878E-25	21.23807
SELENOO	9.26228E-25	15.19758
FLII	1.03272E-24	16.23596
PLK5	1.08506E-24	-13.7466
PCID2	1.20714E-24	15.087
SUSD1	1.40635E-24	16.37433
KRT23	1.83114E-24	-15.2125
TPD52	1.98344E-24	14.79753
LOC105375920	1.98344E-24	14.79753
KNSTRN	1.98843E-24	16.67813
RETREG1	2.14214E-24	12.35892
TNNT3	2.41036E-24	-15.9798
LOC102723340	2.55402E-24	-11.8057
HAL	2.55402E-24	-11.8057
LOC105371059	2.58014E-24	17.7212
NAA60	2.58014E-24	17.7212
PKD2L2	2.86627E-24	15.46262
PKD2L2-DT	2.86627E-24	15.46262
JOSD1	3.07512E-24	-10.8546
NLRP2	3.39749E-24	-14.4982
RALGDS	3.49221E-24	14.28187
GBGT1	3.49221E-24	14.28187
FSCN2	3.55636E-24	15.69182
PITRM1	4.239E-24	-14.6901
STK11	4.28775E-24	-19.5075
SRPRB	4.72511E-24	17.63455
MAP2K3	4.87669E-24	14.44163
ARTN	5.06098E-24	10.5511
GRIN2B	6.15348E-24	10.75739
RPL3L	6.81415E-24	11.33646
CDKN1C	6.91039E-24	15.74614
KRBOX1-AS1	6.98508E-24	15.02183
CCR6	7.36734E-24	-10.8802
LOC105378122	7.36734E-24	-10.8802
ST14	7.53888E-24	-11.8394
CACNA1C-AS1	7.59337E-24	-14.2876
BMPER	8.11839E-24	14.56363
STK38L	8.17694E-24	-15.6757
KLK12	8.65169E-24	-17.475
BHMT	1.02104E-23	-16.5882
LTC4S	1.05754E-23	16.74697
SLC44A2	1.32505E-23	11.91701
MGMT	1.3369E-23	11.67225
AKR7A2	1.34937E-23	12.39031
FAHD2CP	1.3946E-23	15.91237
C10orf88	1.45851E-23	10.86343
LINC01756	1.65933E-23	-18.3725
CAPN12	1.66618E-23	-16.5141
SMIM32	1.73763E-23	17.57438
TRIM41	1.904E-23	11.3853
C1orf210	2.15739E-23	-15.1748

PRDM8-AS1	2.26873E-23	-10.9967
HOMER2	2.27011E-23	12.00805
LGALS7B	2.34523E-23	12.31256
LINC01451	2.39001E-23	-16.9294
SEMA4B	2.43099E-23	12.4795
ANKRD34C-AS1	2.58791E-23	13.92963
PRPF6	2.66011E-23	-16.9442
SAMD10	2.66011E-23	-16.9442
PSTPIP2	3.00658E-23	13.16096
MBP	3.20155E-23	15.42119
GGTA1	3.3719E-23	11.38002
MIP	3.8513E-23	11.85524
GLS2	3.8513E-23	11.85524
DOCK8	3.8887E-23	-11.8867
PFKP	4.10262E-23	14.1149
VANGL2	4.19311E-23	15.29243
PLVAP	4.23077E-23	-19.7117
NDE1	4.44348E-23	10.59102
ANAPC2	4.55991E-23	-13.6447
FFAR1	5.22607E-23	-19.4109
INTS12	5.23812E-23	-10.3589
LINC02706	5.28164E-23	-14.9811
EPB41	7.05571E-23	11.32171
LOXHD1	7.55154E-23	-13.1466
LINC00466	7.76132E-23	14.25681
ZNF844	7.90044E-23	11.99096
VWA7	8.34349E-23	13.28048
LY6H	1.03669E-22	12.30114
RPL3	1.07862E-22	-14.0915
SLC11A1	1.10947E-22	-16.6606
SLC25A34	1.19957E-22	-13.7246
FLRT1	1.21251E-22	12.09365
CGB2	1.31585E-22	17.71114
TJP3	1.38095E-22	-16.0721
PCGF2	1.39642E-22	-12.5861
MAZ	1.4665E-22	13.30928
ACTN2	1.52532E-22	17.5639
TPO	1.60613E-22	-11.3718
SLC25A22	1.8501E-22	10.33945
ANO9	1.85087E-22	10.32362
C1orf109	1.92233E-22	-11.999
MAB21L4	1.92665E-22	-16.5788
LOC100134040	1.9354E-22	-16.3695
HDLBP	2.30696E-22	10.20685
NOS2	2.38334E-22	-15.0349
MST1L	2.52986E-22	14.69142
MED24	2.54712E-22	15.392
MIR6884	2.54712E-22	15.392
RPL13	2.67979E-22	-16.1724
CHRNA5	2.68313E-22	11.43613
SHISA6	2.80083E-22	13.8072
EBF2	2.90119E-22	10.42143
HMGA1	3.26753E-22	-10.7504
TGFBR3	3.39587E-22	13.8154
GPX5	3.43654E-22	-15.4177
TMEM154	3.58279E-22	-13.5098

ALPI	4.07321E-22	-17.4827
MUC2	4.23548E-22	-16.2798
FOXRED2	4.32007E-22	-12.5385
NDFIP1	4.36205E-22	11.50729
SLC38A10	5.02557E-22	-15.5347
KCNIP2	5.45148E-22	17.78301
LY6D	5.49153E-22	-16.447
MYCBPAP	6.10517E-22	18.36369
IGFALS	6.76938E-22	13.16003
RNF4	7.18254E-22	16.15324
MXRA8	7.53704E-22	-14.0903
CHRNB4	8.36741E-22	-11.7877
MAP3K6	9.25241E-22	14.69903
BHLHE22	9.38091E-22	13.45647
SNAPC4	1.01246E-21	15.75517
FAAP20	1.0768E-21	16.60013
NRGN	1.07709E-21	14.06032
B3GAT1	1.12125E-21	-11.9821
BCAS4	1.13851E-21	10.66522
CNTFR	1.18255E-21	-13.6003
TK2	1.24394E-21	12.06971
POGLUT3	1.29966E-21	14.13084
MIR4444-2	1.30408E-21	-11.1478
MSANTD1	1.32568E-21	15.29944
SDC1	1.50169E-21	-13.1222
RNF222	1.51968E-21	-14.664
KLHL17	1.58627E-21	11.99252
NOC2L	1.58627E-21	11.99252
GDPD5	1.67342E-21	12.59912
ATG4B	2.22884E-21	14.07825
PDLIM3	2.23994E-21	10.82467
RFFL	2.29104E-21	-14.0631
PTPRD-DT	2.2942E-21	10.08941
SH3TC1	2.33408E-21	-13.1166
DNAJB8-AS1	2.42096E-21	-11.5329
CHTF18	2.44395E-21	-20.7127
MIR572	2.51252E-21	16.37722
PRKACA	2.56273E-21	-11.4349
PRSS53	2.6209E-21	-10.9852
VKORC1	2.6209E-21	-10.9852
UBALD1	2.66943E-21	-13.3272
SH2B1	2.77287E-21	17.53629
SQSTM1	3.03645E-21	-10.7426
CYP2U1	3.06078E-21	11.25584
CLCNKB	3.16232E-21	-14.8311
GAL3ST1	3.38551E-21	-16.2425
LZTS1	3.40234E-21	-15.4724
CBARP	3.41251E-21	14.81048
DOK7	3.52222E-21	-18.8332
CCDC154	3.71774E-21	-13.1733
CORIN	3.75363E-21	-10.4566
RAC1	3.7944E-21	13.29385
ILKAP	3.88918E-21	11.26431
SLC34A1	4.28472E-21	-16.5151
CPT1A	4.38482E-21	-14.8501
LRRC27	4.89307E-21	13.23551

NGF	5.71163E-21	-15.5679
SLC22A11	5.74881E-21	-23.3008
CCNO	6.03829E-21	-12.8859
HTR2A	7.29078E-21	-10.8502
TLCD3B	7.37117E-21	15.37335
OGFR	7.55062E-21	11.85658
ATP13A3	7.68154E-21	-15.8968
OCIAD2	8.20651E-21	-13.7631
MIR432	8.52106E-21	-12.4041
MIR136	8.52106E-21	-12.4041
BACH1	8.97369E-21	-15.9043
WDR81	9.09612E-21	14.18718
ATP11A	9.91559E-21	14.3738
LINC00304	1.09229E-20	12.49913
ALPP	1.10441E-20	13.02448
TSPAN33	1.22387E-20	20.53353
RELA-DT	1.42515E-20	17.33606
ADCK5	1.46057E-20	-10.2816
SLC4A8-AS1	1.51736E-20	10.42477
EFR3A	1.54947E-20	-14.6105
MRPS2	1.55335E-20	17.22525
C9orf116	1.55335E-20	17.22525
LOC100129697	1.62681E-20	-13.104
DDX51	1.96391E-20	-11.1766
LZTS3	2.00385E-20	-14.3666
ZNF580	2.01178E-20	12.95294
ZNF581	2.01178E-20	12.95294
TMEM175	2.09409E-20	-12.8729
ZC3HAV1	2.2915E-20	-12.722
SLC6A18	2.31068E-20	-16.6327
ANKRD34C	2.43138E-20	15.29344
LOC105373346	2.43801E-20	-14.2026
SOD3	2.58977E-20	14.07949
SLC29A1	2.62899E-20	18.03841
TACR2	2.64988E-20	17.197
FBRSL1	2.65351E-20	-13.7941
LOC107986083	2.7986E-20	-14.6881
SALL4	2.81168E-20	-14.1769
DHX40	3.19345E-20	11.3753
LDHAL6A	3.39167E-20	12.64907
APC2	3.4196E-20	14.34292
KRTAP12-1	3.71018E-20	-14.6081
PLBD1	3.75535E-20	-11.8639
PLK3	3.77285E-20	-16.1963
DTX3	4.88698E-20	-11.6241
NMRAL1	5.31946E-20	10.24361
FBP1	5.70721E-20	14.0517
ONECUT1	5.77166E-20	14.26356
C5orf47	5.82264E-20	13.13621
NTNG2	6.03716E-20	10.4143
DNMT1	6.59046E-20	-15.1002
CLASRP	6.60979E-20	20.61311
PRSS57	7.28733E-20	-14.617
CDRT15P2	7.53655E-20	-13.0919
LOC105371559	7.53655E-20	-13.0919
PLEKHG3	7.77815E-20	-15.5452

DMRTC2	8.48293E-20	-10.5571
LYPD4	8.48293E-20	-10.5571
LINGO1-AS1	1.01272E-19	-13.4769
TMPRSS6	1.01485E-19	15.21407
STH	1.02491E-19	-11.361
FAAP100	1.03564E-19	-15.9545
STK24	1.16663E-19	-13.9432
USP36	1.16843E-19	18.35783
EXOC3-AS1	1.32295E-19	-12.1123
CCL25	1.40461E-19	-17.2819
DDX17	1.66916E-19	-11.043
SMIM4	2.0332E-19	15.88339
NT5DC2	2.0332E-19	15.88339
LOC112268266	2.31488E-19	-18.7181
MC1R	2.32243E-19	10.22697
TUBB3	2.32243E-19	10.22697
PLEKHG4B	2.40926E-19	-10.5464
TM7SF2	2.53033E-19	14.84564
MYRF	3.11444E-19	12.78199
REEP1	3.12705E-19	-14.1663
MIR5703	4.19945E-19	-10.7114
AGFG1	4.19945E-19	-10.7114
PLSCR3	4.46034E-19	10.27324
LINC02897	4.51493E-19	11.63772
ADORA2A	4.94305E-19	-12.913
SFTPD	5.0265E-19	17.0379
INHBA	5.20748E-19	12.40784
POU2AF1	5.558E-19	22.28354
C1QL1	6.49994E-19	12.51002
LOC105373352	6.71391E-19	-12.8469
KRT78	7.50188E-19	-13.3083
HDAC4	8.59321E-19	10.09539
PRR23B	8.96454E-19	11.46538
PRKD2	9.16542E-19	22.89261
SBK1	9.21234E-19	12.89753
PICSAR	9.25038E-19	-12.6184
IGFBP2	9.52334E-19	10.25706
ZNF436-AS1	1.04584E-18	16.94943
RSPRY1	1.10592E-18	-12.0158
DLK1	1.22395E-18	14.00806
CNPY1	1.34631E-18	13.88954
VHL	1.35577E-18	-11.9427
RAB11FIP2	1.47223E-18	-15.1336
LOC101928512	1.82063E-18	10.63568
MED15	1.83249E-18	13.28782
PDE4DIPP7	2.04782E-18	10.52355
TYK2	2.07596E-18	13.03962
CENPN	2.12682E-18	-12.8287
MLC1	2.2746E-18	-10.7921
FECH	2.36591E-18	15.13025
SPG7	2.47259E-18	-12.5349
MIR4648	2.58266E-18	-13.4284
DCDC2C	2.68538E-18	13.00355
CIBAR2	2.86979E-18	-11.1681
RNF111	2.96087E-18	14.83027
CLDN18	3.07806E-18	-10.1681

ABCA7	3.2461E-18	-15.0461
PLCB2	3.25458E-18	13.07955
F10-AS1	3.30322E-18	13.27085
ICAM1	3.62271E-18	10.61045
LDHD	3.7545E-18	-10.9351
TCP11	4.53272E-18	-12.7512
C11orf21	4.69815E-18	-16.668
UNC13D	5.00162E-18	-15.7034
GTF3A	5.0958E-18	18.3725
KAZN	5.71244E-18	-11.4806
LUC7L	5.87868E-18	-16.9828
PDSS1	5.94697E-18	-11.9268
COL14A1	7.39037E-18	14.3338
TP53I13	1.00362E-17	-15.0478
FZD5	1.0118E-17	-11.9484
USE1	1.04046E-17	13.23962
SNHG14	1.14977E-17	-11.5297
SNORD115-6	1.14977E-17	-11.5297
LOC105378429	1.26476E-17	-11.118
NUDT9P1	1.26476E-17	-11.118
AANAT	1.33431E-17	-13.1261
MIR365A	1.37111E-17	11.63365
GPRC5D-AS1	1.3956E-17	-16.4138
DDR1	1.42114E-17	-13.4195
CEP104	1.42438E-17	-10.2485
AJAP1	1.51461E-17	12.67017
UBXN6	1.55644E-17	18.68121
AFAP1L1	1.60329E-17	11.72131
ARVCF	1.64618E-17	10.36925
IRAK3	1.67051E-17	15.09852
CFAP251	1.92165E-17	-12.1035
UPK1A	2.04771E-17	-12.5583
CFAP100-DT	2.04813E-17	13.29345
TET3	2.16277E-17	15.6142
MISP	2.19851E-17	-16.6008
APOA1-AS	2.54108E-17	12.65112
ESYT3	2.61576E-17	16.93493
ASIC4	2.80795E-17	-14.8536
PARP15	3.06091E-17	10.10031
ZPBP2	3.0871E-17	22.64495
CYBC1	3.1747E-17	-14.1495
KCNS1	3.37284E-17	15.07225
MARK2	3.39456E-17	-14.4695
MTX1	3.55774E-17	10.83161
HSF1	3.65302E-17	13.57411
ITPKA	3.90626E-17	13.38523
SLC6A12	4.25363E-17	-10.3828
ZNF518A	4.69642E-17	-12.2708
LINC02414	4.87232E-17	-14.8655
PITPNM2	4.99942E-17	12.00286
NFIX	5.1114E-17	10.18564
NCL	5.14263E-17	10.36721
PITX1	5.16932E-17	-14.641
ARHGAP44-AS1	5.30605E-17	14.79335
KLC1	5.4513E-17	-11.618
LOC107984951	6.72113E-17	-12.9624

LOC105369250	7.15626E-17	10.26996
LINC02872	7.24056E-17	12.17968
MEAK7	7.64449E-17	13.22597
STK10	7.98458E-17	13.86216
LINC01116	8.02507E-17	-11.8697
HERC5	8.19063E-17	10.18963
C1QTNF8	8.55304E-17	-15.9297
IFNGR2	8.72791E-17	12.03573
RECK	8.73215E-17	20.7368
SIGIRR	8.937E-17	14.30032
KCNQ1	9.26379E-17	-13.4435
ZNF44	9.30907E-17	13.79667
LPP	9.5111E-17	10.94657
SOAT2	9.85675E-17	-13.9803
PLEKHB1	1.05869E-16	-14.1018
FADD	1.37778E-16	10.20357
NEU4	1.44463E-16	10.31363
MAPK8IP3	1.46089E-16	-11.5174
RUFY4	1.49636E-16	-15.313
TNS1	1.49636E-16	-15.313
ZMIZ2	1.49908E-16	14.49878
CPLANE1	1.59823E-16	10.25441
ZNF556	1.79489E-16	-11.5331
KCNJ1	1.81807E-16	-12.8705
LINC01410	1.99345E-16	10.49474
SLC18A2	2.02915E-16	11.56699
MICAL3	2.09746E-16	10.57765
PRDM2	2.14089E-16	-12.9072
ABR	2.50362E-16	15.54355
NR4A2	2.76783E-16	10.49601
PFN3	2.8005E-16	18.8687
YBX2	3.52E-16	16.19973
PLOD3	3.72099E-16	-14.3558
GRB7	4.29591E-16	-14.4683
GUSBP11	4.469E-16	12.7374
ARHGEF2	4.83103E-16	-11.255
GRK7	4.94433E-16	-11.2824
STAP2	4.95569E-16	20.42276
SLC17A6	5.45828E-16	10.04758
LOC644669	5.83247E-16	-12.5481
PIK3R5-DT	5.88577E-16	12.75939
RBMXL2	5.89105E-16	10.50733
LRRC43	6.00886E-16	-12.8479
COL6A3	6.1061E-16	-10.3801
CCSAP	6.30424E-16	-10.7714
DNAH8	6.69978E-16	-11.9752
GH2	6.90103E-16	-13.297
GRIA2	7.42907E-16	10.63916
TMEM216	8.5069E-16	-10.9996
TBPL2	9.25107E-16	16.99509
TCF25	9.36508E-16	10.90088
BAIAP3	1.07977E-15	-13.3983
MIEF2	1.15874E-15	-13.8878
HK3	1.19178E-15	-12.0905
TVP23A	1.31205E-15	-14.6187
HOXB-AS3	1.3881E-15	11.27909

KIF22	1.49736E-15	-14.2559
JHY	1.78351E-15	-10.721
PTP4A1	1.8425E-15	-10.3146
ARFGAP2	1.96415E-15	11.44214
ARMH1	2.00249E-15	-13.5687
APOA4	2.11875E-15	-12.4431
TNF	2.13954E-15	-10.5739
SNORD83B	2.65004E-15	10.53452
ACP4	2.95043E-15	-11.7849
CNFN	2.96496E-15	10.50772
NAGK	3.01745E-15	10.70597
LPGAT1-AS1	4.22397E-15	13.69555
SRRM2	4.33344E-15	-10.2708
SRRM2-AS1	4.33344E-15	-10.2708
PSCA	4.4618E-15	-15.1758
MIR5587	5.22882E-15	-16.4064
ELMO3	5.48303E-15	10.63777
ERBB2	5.67043E-15	-11.7923
TLE2	5.77511E-15	-13.7931
GGT1	6.02201E-15	-12.5754
LOC110091776	6.68888E-15	14.3465
ITPRID1	6.9339E-15	-13.4048
BAALC-AS2	7.18628E-15	14.05294
PAQR6	7.55262E-15	10.50054
RIMS1	7.80299E-15	12.33163
TRRAP	8.28156E-15	16.30714
LIMCH1	9.03314E-15	-12.7849
FASTK	9.21504E-15	10.40277
SLC44A4	1.2841E-14	-13.3771
ANKRD53	1.43442E-14	10.05696
MIR596	2.08912E-14	-14.7142
LRRC75A	2.18888E-14	10.35212
LINC02325	2.23247E-14	14.56318
EREG	2.51056E-14	-12.727
SMAGP	2.63301E-14	-12.9229
AGO1	2.67453E-14	-11.2267
MIR922	2.71708E-14	-11.0425
FBXL8	2.74343E-14	10.47218
MIRLET7A3	3.11532E-14	12.24989
MIR4763	3.11532E-14	12.24989
MIRLET7B	3.11532E-14	12.24989
RAD51D	4.35432E-14	-11.5588
PKN3	4.38044E-14	12.09059
SP7	4.50305E-14	10.64588
MACF1	4.57416E-14	15.27177
ZNF490	4.92181E-14	11.65884
LINC02773	5.26993E-14	10.12498
SHANK3	5.36208E-14	11.44012
GCSAML-AS1	5.85906E-14	10.3048
PACSIN1	6.26961E-14	10.99634
KRTCAP3	6.5434E-14	-10.1526
NFATC1	7.16971E-14	-11.0747
TUG1	8.70938E-14	-10.3915
MORC2	8.70938E-14	-10.3915
HRH2	8.85836E-14	11.57758
PRELID3A	9.22373E-14	-12.2458

LOC101928517	1.02287E-13	10.70456
SLC45A1	1.03561E-13	12.04489
HAPLN1	1.09668E-13	-14.4949
ODF3L2	1.147E-13	-14.3457
MIR1227	1.29081E-13	12.42163
MRGPRG	1.3885E-13	-13.9534
LINC00839	1.40921E-13	11.96973
CCNYL2	1.40921E-13	11.96973
LOC100506258	1.65809E-13	10.82824
ZDHHC8	1.68771E-13	13.07987
LINC01097	1.90545E-13	11.22177
MIR3618	2.38798E-13	11.24525
CFLAR	2.4592E-13	10.67745
PHB2	2.65195E-13	11.90573
LINC01395	3.05347E-13	13.66466
OCSTAMP	3.52695E-13	-10.2312
SNRPF	3.56482E-13	11.76702
TFAP4	3.74205E-13	13.84837
ZNF280A	4.14074E-13	-11.3885
MIR5691	4.46394E-13	16.00313
CALML6	4.49924E-13	10.58662
CDIPTOSP	4.61113E-13	-12.1667
CDIPT	4.61113E-13	-12.1667
PSORS1C2	4.86271E-13	-13.1728
RDH8	5.50062E-13	-10.2824
FZD9	5.97499E-13	-12.7277
ZNF695	6.05821E-13	-14.4912
LILRB3	6.57643E-13	-11.4095
CHST5	7.15419E-13	11.40562
SLC17A3	7.7956E-13	10.61627
TSPAN14-AS1	8.74126E-13	-10.2277
RACK1	9.05297E-13	-11.4275
LINC02004	1.01094E-12	-10.5281
LINC01114	1.01458E-12	-10.0662
TMC8	1.07451E-12	-11.1871
DOK5	1.1341E-12	13.45289
CBLN2	1.20555E-12	10.66774
GASK1A	1.30885E-12	10.39052
CYP26B1	1.39484E-12	16.32733
DCLK3	1.4487E-12	15.00988
KCNA5	1.4582E-12	10.68814
RASSF1	1.51993E-12	-14.8343
C19orf71	1.75548E-12	12.05372
RECQL5	2.49275E-12	-11.7565
ENTPD8	2.68788E-12	-12.2223
BECN2	2.93539E-12	-11.5199
UPB1	3.73826E-12	16.58979
YOD1	3.87519E-12	-10.3794
KCNQ1OT1	4.11156E-12	-12.1484
AMH	4.53974E-12	10.66849
LINC00484	4.70647E-12	-15.4372
UQCRQ	5.07294E-12	-11.3907
RPL18	6.46922E-12	-12.8007
LOC102723672	6.47619E-12	13.27818
LIPE	6.87192E-12	-11.752
MGARP	6.90552E-12	11.63957

RNF166	6.9111E-12	-12.0164
PNPLA7	6.94895E-12	-10.5936
SLC39A14	9.00583E-12	-11.1106
ABI3	9.11789E-12	-12.5621
EXTL3-AS1	1.06932E-11	12.22638
ABCC3	1.08039E-11	-16.0267
FGD5	1.39502E-11	-11.2926
SBSN	1.56151E-11	-12.1579
LOC105373289	1.71586E-11	10.66518
MOXD1	1.87408E-11	11.1165
LOC117779438	1.87868E-11	-10.3157
ZNF470-DT	2.30821E-11	11.0013
BIN2	2.47845E-11	-12.4847
SCTR	2.92427E-11	10.81805
ERICH2-DT	3.12489E-11	11.39801
TFF1	3.15683E-11	-10.4173
TCF15	3.19978E-11	12.25883
SLC12A7	4.0157E-11	-11.1185
GREM1	4.1032E-11	10.99338
LOC100996637	4.80397E-11	-10.4216
ELN	4.90378E-11	13.20641
PLPPR3	5.21427E-11	-12.47
IL2RB	5.50824E-11	12.47023
NTF4	6.24585E-11	12.82797
ANKRD62	6.60616E-11	-11.8314
LINC00334	6.81561E-11	-11.8994
RLBP1	7.28632E-11	-11.6162
LOC101928160	7.78317E-11	11.1395
SAMD8	1.14431E-10	-12.1258
DUSP13	1.14431E-10	-12.1258
OPRL1	1.28262E-10	12.29725
LKAAEAR1	1.28262E-10	12.29725
RAB26	1.5601E-10	-13.0898
EHMT1	1.9183E-10	-12.7873
LOC651337	1.9183E-10	-12.7873
CLDN14	2.36238E-10	-10.5002
PXMP2	2.75167E-10	-10.7173
DENND2A	2.89108E-10	11.34336
ADORA2A-AS1	3.24327E-10	11.91394
ASCC1	3.32851E-10	-10.5527
FOXP1	3.60011E-10	13.3911
ZNF446	4.72938E-10	-11.6384
MAG	4.75444E-10	-10.7037
GAREM2	5.02555E-10	11.89957
CLEC11A	6.2273E-10	10.48034
LOC102724467	6.25105E-10	-10.5894
INPP5A	7.32325E-10	10.81056
ZNF608	7.84656E-10	10.69889
P4HA3	9.68871E-10	11.86786
NDUFB10	9.69791E-10	11.34514
PI16	1.1724E-09	13.44671
AHDC1	1.23756E-09	11.01253
PPARG	1.284E-09	-12.0239
RAB8A	1.46407E-09	10.70466
FAM83H	1.55293E-09	-11.1992
EPS8L1	1.7452E-09	-10.912

GRK2	2.24411E-09	-10.5427
WSCD1	2.24675E-09	-10.9123
LOC105371597	2.38708E-09	-10.881
LINC02002	2.38708E-09	-10.881
SLC43A2	2.74209E-09	10.6289
TACC1	3.27348E-09	10.47109
CSK	4.11419E-09	10.92093
UGT8	4.32426E-09	-10.152
WFDC2	4.94683E-09	10.49188
NDUFS2	5.92889E-09	10.85704
CLEC18C	7.13207E-09	-10.6579
LOC400541	7.13207E-09	-10.6579
ST6GALNAC6	8.10562E-09	10.28671
SBF1	1.70886E-08	13.98381
INF2	1.91937E-08	10.31337
NGEF	2.21741E-08	11.02909
NAV2	2.5237E-08	10.07571
LINC00960	3.48954E-08	10.22822
USP2-AS1	3.9351E-08	-10.9493
CHAC1	5.06639E-08	-10.3608
SPSB3	1.40683E-07	11.71958
TOR4A	2.48655E-07	10.07836
SLC4A3	4.12319E-07	-10.2617
LINC00672	4.78783E-07	-10.0253
GINS2	7.75564E-07	-10.1897
KRBA1	1.80391E-06	10.90728
C1QTNF12	5.4983E-06	-11.2376
SLC8A2	1.04999E-05	-10.5556
DPF1	3.36099E-05	-11.3465

Table S13 Differentially methylated regions between low grade colorecal cancer and high grade colorecal

Symbol	qvalue	meth.diff
TRIB2	0	12.33472
ZNF141	0	19.33455
LOC10537433(	0	19.33455
C7orf57	0	16.7825
PRKAG2	0	24.00557
ARC	0	22.9906
SPON1	0	23.60068
BSCL2	0	13.00918
POU4F1	0	10.82381
UNC45A	0	17.36463
DSC3	0	19.1846
NR1H2	0	30.74476
ZNF548	0	22.8986
ZNF17	0	22.8986
ZNF256	0	21.06558
EVX1-AS	2.9877686839870	19.91094
PTHLH	3.24E-304	22.59715
BMP4	6.64E-297	-28.5321
ZNF530	4.72E-294	15.77807
KCNB2	1.16E-287	26.76966
ZNF773	1.28E-285	14.85369
EVX1	6.09E-281	20.39103
HOXA7	4.00E-280	18.14261
TXNRD1	5.07E-271	11.81538
SIRPA	7.90E-269	11.24914
LOC10272454	7.90E-269	11.24914
SPX	6.08E-262	13.61679
CDC25B	1.36E-255	12.18718
SDF4	1.28E-251	-21.6422
ETV1	1.14E-248	15.5336
GNAL	4.71E-236	10.91845
GNAI2	3.65E-234	16.40484
ZNF264	7.52E-233	13.16765
ZNF419	2.65E-226	10.45885
CD40	4.96E-226	20.91909
ZNF480	1.11E-225	21.3611
NINL	3.78E-225	25.87461
NRP2	4.92E-225	27.23997
GNAS	5.19E-223	28.54802
CHFR	2.42E-221	13.58889
DNAI3	1.77E-218	12.47832
ST3GAL1	2.34E-216	22.03238
LRRFIP1	4.18E-216	16.45024
LOC284798	7.46E-212	20.4977
VWC2	3.54E-210	20.42396
HOXA11-AS	5.01E-209	21.92935
HOXA11	5.01E-209	21.92935
EIF4E3	1.71E-202	16.80815
LOC10192793	6.81E-199	23.44275
HYLS1	1.47E-198	15.98762
PIK3R1	3.30E-197	13.52449
ASIC3	3.56E-197	12.92783
SUPT4H1	2.96E-196	10.97401
SDHAP3	1.71E-195	17.34544

ZNF543	2.79E-195	14.17591
ANPEP	4.87E-191	21.06614
FEZF1-AS1	7.24E-190	16.64038
COL7A1	8.59E-190	19.77863
ANKRD19P	7.31E-189	23.73985
LOC728485	2.37E-188	11.4277
ZNF850	2.37E-188	11.4277
CXCL12	1.14E-187	12.94405
FAM182B	1.20E-186	14.51113
LOC10192693	1.20E-186	14.51113
FOXL2NB	8.95E-185	17.14988
FOXL2	8.95E-185	17.14988
LINC01122	2.51E-184	14.06191
PAM	1.39E-182	15.0985
GLI3	7.67E-181	24.92267
PDE4C	2.98E-180	15.13757
SMPD5	9.44E-180	21.7405
EYA1	2.38E-173	23.10249
SNX10-AS1	1.30E-172	11.17755
LINC01388	1.01E-171	13.85353
LSAMP	1.94E-170	18.70976
CNTN4	5.33E-169	24.124
DRC1	1.46E-167	12.64141
LOC105378199	1.46E-167	11.93482
TAF7	1.46E-167	11.93482
TPM4	5.63E-166	-20.6714
LOC105369759	2.88E-164	12.36845
ZNF547	3.49E-163	10.41234
TRAPPC2B	3.49E-163	10.41234
PPFIA3	5.53E-163	19.76904
TFAP2C	6.92E-163	16.34229
POM121L2	1.14E-162	14.31486
CCDC39	7.20E-160	10.88303
PKN1	4.14E-158	13.3851
LOC107986395	4.54E-157	16.94545
MSX2	8.05E-157	16.80941
SYNE1	1.33E-156	14.88235
CHST6	3.61E-155	10.53167
DNAH1	5.35E-155	25.57495
LIME1	3.04E-153	33.50474
RDX	4.13E-151	19.28281
FAM78A	1.74E-150	11.07159
KISS1R	3.02E-150	10.8355
CMTM2	1.12E-149	17.49568
MORC2-AS1	5.31E-149	16.66607
MCTP1	1.76E-147	16.47348
LOC107986669	4.60E-146	20.40379
PRR18	4.60E-146	20.40379
NKX6-2	5.16E-145	22.49368
SATB2-AS1	9.18E-143	23.80213
DYRK1B	2.62E-142	13.14148
HOXA9	1.51E-141	10.43955
MIR196B	1.51E-141	10.43955
PLEC	3.27E-139	22.8708
RSPO2	9.09E-138	19.53132
TPM3P9	5.15E-137	11.98534
ZNF761	5.15E-137	11.98534
LOC100286906	2.78E-135	18.13684

EFCAB10	2.73E-133	10.30253
RAB1B	4.85E-133	14.42855
CDIP1	2.60E-129	11.95619
ITPRIPL1	7.69E-129	19.24087
VWDE	7.81E-129	13.37078
MAP1B	3.28E-128	14.59775
C17orf107	4.48E-127	20.57858
SLC17A7	1.70E-126	15.79059
PYCARD	1.08E-125	10.38994
KASH5	3.19E-125	-21.1047
LOC10192829	3.19E-125	-21.1047
NDRG2	4.77E-125	14.35362
MIR9-3HG	1.41E-124	13.82768
ST14	1.88E-123	19.29008
THSD7A	3.59E-123	11.9589
ICAM5	4.59E-123	20.54319
TRPA1	4.75E-123	11.72214
STK31	1.36E-121	-12.5966
S1PR1	6.86E-121	15.57465
S1PR1-DT	6.86E-121	15.57465
WNT7B	1.39E-120	14.58139
SIX1	2.73E-120	10.32481
CCDC106	7.83E-120	22.1367
RPSAP58	1.29E-119	12.60346
ADGRV1	3.11E-119	20.86086
LOC10798683	4.28E-119	13.46084
PKIA	4.56E-119	25.1541
IDUA	7.13E-119	14.99725
PNMA8B	1.23E-118	19.15638
GRM2	1.15E-117	19.27613
SPART	1.81E-117	18.33018
REPIN1-AS1	3.94E-117	14.37588
RBM20	2.09E-115	15.59969
SATB2	3.74E-115	18.18852
ZNF701	4.66E-115	15.6202
PPP1R42	5.11E-115	16.50144
TPTE2P5	3.28E-114	-23.3853
SUGT1P3	3.28E-114	-23.3853
RTEL1	7.43E-114	35.11437
CCDC88B	4.58E-113	-14.0578
PER1	6.82E-113	12.62335
LOC10050550	1.06E-112	13.30463
TOX	1.39E-112	12.05171
CALY	1.33E-111	12.97669
RGS20	1.78E-111	21.86766
SBNO2	4.74E-111	18.38404
SLC34A2	5.50E-111	14.48125
MGAT4B	2.37E-110	21.74458
MT3	3.05E-110	21.43678
HSD17B12	4.80E-110	14.50323
RAB3C	1.71E-109	11.48657
RPL39L	6.72E-109	15.01409
ZNF730	7.40E-109	19.01862
TBC1D30	8.28E-109	14.70749
SPNS1	8.35E-109	11.21661
ZNF134	1.97E-108	12.74028
KATNAL2	2.04E-108	22.68068
SOX30	2.82E-108	-17.6899

FSD1	5.83E-108	22.74298
IRAK2	6.23E-108	13.5751
PGR	1.18E-107	13.21883
SLC9A7P1	2.61E-107	14.2109
TLX2	2.67E-107	13.79751
EMX2OS	5.90E-107	11.55085
FBP1	6.47E-107	23.16755
RRAD	1.01E-106	12.74286
SAMD11	2.18E-106	16.53953
CD109	8.48E-106	15.6434
ADRA1D	2.56E-105	17.26303
SELENOV	4.40E-105	15.10201
VIM	5.40E-105	13.41545
VIM-AS1	5.40E-105	13.41545
MIR29B2CHG	3.31E-104	21.33494
CGB7	3.48E-104	17.59207
KCNQ2	6.53E-103	25.34038
EIF5A2	1.37E-102	-19.5889
FAM163A	2.01E-102	15.28352
THBD	3.31E-102	17.96745
ADAM23	4.94E-101	12.22135
AHRR	7.25E-101	13.06889
GALNS	1.14E-100	18.28734
HBM	1.66E-100	14.28634
SLC30A2	2.52E-100	16.17293
ASIC4	3.15E-100	13.949
GUCY1A2	4.41E-100	18.35931
ZNF334	4.78E-100	-17.4164
SIPA1	2.22E-99	22.1075
BRINP3	3.05E-99	16.7237
HEY2-AS1	3.64E-99	13.83696
CRACDL	4.01E-99	16.70832
BST1	6.77E-99	11.19624
SHISA8	1.03E-98	19.51597
COL9A3	3.07E-98	12.39731
LOC10028784(	5.11E-98	21.48405
DENND3-AS1	5.15E-98	14.96837
CEROX1	6.75E-98	14.83623
SYPL2	3.22E-97	14.65459
ZNF804A	4.47E-97	16.41178
TACR1	7.45E-97	11.58756
AFDN-DT	9.91E-97	16.24807
RUNX1T1	2.49E-96	18.66324
IL12RB2	3.54E-96	14.04705
HIF3A	4.58E-96	-16.8641
CHFR-DT	4.85E-96	10.07925
GPER1	6.37E-96	23.71429
SIM2	1.27E-94	18.08398
MAJIN	5.55E-94	16.10651
FLT3	6.28E-94	14.60108
CCDC65	7.84E-94	10.21714
CMTM3	8.71E-94	16.97103
ZNF777	1.73E-93	10.53748
DNLZ	1.97E-93	-31.3177
PRSS27	2.98E-93	12.7276
LOC10537015(	4.61E-93	16.02423
ADORA2A	5.68E-93	22.84659
MKNK2	2.11E-92	10.72151

PDE4D	2.59E-92	15.11014
LOC100268168	3.79E-92	10.69391
LHFPL3	6.00E-92	15.38951
NOL4	7.10E-92	22.23165
CECR2	8.53E-92	17.47219
SLC43A3	8.78E-92	16.38445
ZNF841	2.64E-91	11.02334
AKR1B1	6.37E-91	11.33034
TOX2	8.78E-91	11.8583
EGFEM1P	1.08E-90	12.75373
SOX21-AS1	1.40E-89	19.27701
SOX21	1.40E-89	19.27701
NACAD	4.59E-89	16.11309
POU3F2	8.96E-89	13.73305
SV2C-AS1	9.40E-89	13.94103
SLC16A1	1.35E-88	-11.5271
HTR1B	2.63E-88	12.19083
SNAP25-AS1	2.64E-87	14.76987
MIR4458HG	2.12E-86	-18.3618
LINC02226	2.12E-86	-18.3618
L3MBTL1	2.32E-86	23.67702
IGFBP1	2.33E-86	15.10867
DRD1	3.93E-86	11.73007
SHISA3	1.21E-85	11.00328
MEGF8	3.24E-85	14.37864
SLC6A7	3.75E-85	26.96907
ST6GAL1	5.84E-85	14.1487
ELMO1	1.13E-84	16.23542
COL19A1	1.80E-84	12.10277
LMBRD1	1.80E-84	12.10277
FLG-AS1	2.08E-84	-16.069
SPOCK2	3.57E-84	25.07559
PON1	5.11E-84	12.40496
CNIH3	8.76E-84	13.59393
CNIH3-AS2	8.76E-84	13.59393
PARD6A	1.51E-83	17.62291
ACD	1.51E-83	17.62291
HOXC-AS1	1.96E-83	14.26572
SPACA6	2.46E-83	10.56868
NMD3	4.68E-83	16.22287
B3GALNT1	4.68E-83	16.22287
GALNT14	5.49E-83	13.78288
COPB2-DT	8.41E-83	15.63163
PCDH7	1.34E-82	13.32023
RET	3.15E-82	16.57908
EPHA7	3.23E-82	10.87939
WNT5A	3.47E-82	18.18801
MKX-AS1	3.62E-82	10.7379
MKX	3.62E-82	10.7379
TOX3	1.03E-81	10.12663
ZNF610	1.32E-81	12.35208
SPEGNB	1.41E-81	18.10121
GATA4	1.51E-81	13.40468
CNPY4	1.76E-81	27.82511
DDAH1	2.08E-81	19.14928
ESRRG	2.86E-81	22.44262
RUNX3	5.63E-81	21.14256
NIM1K	5.99E-81	10.51193

DZIP1	8.24E-81	19.58298
AGPAT3	1.22E-80	-16.879
MIR7-3HG	1.60E-80	11.6825
MIR7-3	1.60E-80	11.6825
AVPR1B	1.89E-80	11.5796
ZNF43	1.95E-80	14.33917
EN1	3.05E-80	12.40784
ANKLE1	3.87E-80	17.74075
LOC11226827(	4.12E-80	11.91326
C11orf97	5.35E-80	15.31676
PLAGL1	6.16E-80	14.18092
HYMAI	6.16E-80	14.18092
LTBP4	6.27E-80	18.91912
CAMTA2	6.59E-80	-16.7244
CACNA1E	1.03E-79	14.81871
RGL3	1.92E-79	13.43438
FADS2	2.68E-79	11.88186
FADS1	2.68E-79	11.88186
MIR1908	2.68E-79	11.88186
SCGN	2.75E-79	18.04487
PODNL1	6.93E-79	11.09134
PTPRN2	1.98E-78	11.80876
CHD5	2.24E-78	11.3289
LRP2	2.49E-78	10.35414
GFY	5.22E-78	12.63307
SPRTN	9.34E-78	-26.3781
LINC01725	1.07E-77	14.72655
LOC10192756(	1.07E-77	14.72655
SPON2	1.95E-77	12.94822
LOC10013087(	1.95E-77	12.94822
H4C13	2.14E-77	-13.7007
HSD11B1-AS1	2.70E-77	13.30597
IZUMO1	3.43E-77	17.34979
EMILIN2	5.49E-77	12.16139
HOXB-AS1	7.80E-77	17.5114
LRRC37A6P	8.54E-77	-19.4755
GATA5	2.39E-76	20.26971
PDE3B	3.02E-76	-16.704
HDAC9	6.56E-76	12.78186
FUT6	1.04E-75	18.92599
WTIP	1.13E-75	15.18355
CXCR4	1.54E-75	14.20917
NUP155	1.83E-75	12.44613
VWCE	2.42E-75	13.66394
CWH43	2.57E-75	27.21516
CHRDL2	3.95E-75	15.92917
SEPTIN9	4.44E-75	14.04217
GLI2	5.12E-75	12.47876
ACP5	7.28E-75	10.8074
NOS3	1.08E-74	15.42838
ABCC9	2.15E-74	14.14814
ZFP30	3.45E-74	12.66629
GSX2	4.04E-74	13.39997
TSLP	4.51E-74	14.84602
PLA2G7	1.31E-73	10.88955
RSPO1	1.91E-73	11.07817
LINC01018	3.17E-73	10.94522
WDR27	8.20E-73	-23.8341

MIR3665	1.03E-72	12.58423
LINC01558	1.12E-72	-18.3107
SIX4	1.77E-72	10.09175
LINC02350	2.59E-72	16.35288
LOC10192753	2.59E-72	16.35288
LOC10537961	2.59E-72	16.35288
GGT1	5.96E-72	19.24486
LOC728024	7.68E-72	18.17297
CKB	2.51E-71	17.35391
CABP4	2.51E-71	18.9469
SLITRK3	3.36E-71	14.6868
KCNK9	4.52E-71	15.44853
KCNS3	4.62E-71	14.19238
FANCA	1.99E-70	16.93708
HRK	3.91E-70	10.82088
HDAC7	5.04E-70	11.07069
TMEM54	6.56E-70	24.68826
SLC26A4-AS1	8.88E-70	12.66193
ZNF655	8.92E-70	10.41763
TMEM225B	8.92E-70	10.41763
FAM200A	8.92E-70	10.41763
DKK1	1.07E-69	13.09085
PRKG1-AS1	1.07E-69	13.09085
PLXNC1	1.92E-69	19.95176
EGFR	2.20E-69	11.43462
PDE2A-AS1	3.14E-69	10.33209
BSN-DT	1.42E-68	19.90078
TMEM179	6.18E-68	13.15196
HOXC9	7.94E-68	17.31663
HOXC6	9.10E-68	18.20398
FGF3	1.02E-67	13.05559
LOC10537789	1.17E-67	16.13709
C3orf80	1.67E-67	12.77472
VGLL3	2.79E-67	12.72421
ZNF536	4.73E-67	18.50384
CPAMD8	4.89E-67	16.27334
TAMALIN	7.84E-67	20.1007
PYGL	1.62E-66	11.24338
DGKI	2.33E-66	17.01437
LTBP2	2.66E-66	14.8231
TAL1	3.74E-66	11.46085
POLG	4.63E-66	16.60534
C10orf88	6.89E-66	-15.2512
EIF2AK2	8.27E-66	14.62383
CC2D1A	1.07E-65	-13.7682
BRME1	1.07E-65	-13.7682
PITPNM1	1.45E-65	16.24471
LTB4R	1.74E-65	12.0159
CIDEB	1.74E-65	12.0159
ARRDC2	1.84E-65	13.29148
LOC10192702	2.03E-65	-12.6334
CRISP2	2.03E-65	-12.6334
NPPC	2.54E-65	14.68844
RBP1	3.18E-65	13.12186
CPD	3.95E-65	-12.3261
BIRC7	5.22E-65	18.15736
HSF4	5.31E-65	14.5209
DGKQ	5.55E-65	17.69455

CADM2	8.13E-65	11.7945
UBE2E2	1.17E-64	15.7407
UBE2E2-DT	1.17E-64	15.7407
PNPLA6	1.21E-64	20.68028
ABCG2	1.35E-64	10.86342
KIRREL2	1.91E-64	15.5638
XYLT1	1.99E-64	11.77335
SLC26A4	4.86E-64	12.60665
ZNF280A	4.86E-64	21.12147
ANKDD1A	5.60E-64	13.70941
BRSK2	5.75E-64	11.87508
FAM169A	7.14E-64	11.43355
KCNK4	1.15E-63	12.65698
KCNK4-TEX40	1.15E-63	12.65698
MYO7A	1.37E-63	24.72001
NDUFS6	2.75E-63	-10.7326
MRPL36	2.75E-63	-10.7326
NPRL2	2.86E-63	16.2163
SNED1	3.95E-63	16.51418
TNFRSF25	6.29E-63	14.30303
HOXA5	6.39E-63	16.43279
NTSR2	8.15E-63	12.83552
ACTB	8.59E-63	16.45274
SLC26A5-AS1	9.20E-63	14.0358
ACADL	1.59E-62	10.13355
PTPRE	2.46E-62	13.35373
WIPF1	4.94E-62	13.90932
LOC10192953	5.53E-62	12.02416
LINC00882	5.53E-62	12.02416
LOC10798602	5.53E-62	12.02416
LEFTY1	5.69E-62	22.54704
SOX14	7.57E-62	10.10036
FHL2	1.02E-61	-12.9667
ZNF696	3.03E-61	-14.5582
LOC10798602	6.46E-61	14.84223
CD109-AS1	6.76E-61	12.41093
MIR1-1HG-AS	9.47E-61	17.68206
ABCA3	1.15E-60	14.26838
LOC10536956	1.75E-60	14.65044
LOC10192953	1.75E-60	14.65044
LOC10537432	1.92E-60	14.56539
STK19	2.33E-60	15.511
DXO	2.33E-60	15.511
TWIST1	3.81E-60	17.68953
PTH1R	4.65E-60	13.15664
MYL3	4.65E-60	13.15664
HPCA	4.93E-60	14.64638
FEZF1	5.21E-60	18.51841
ADRA2C	6.40E-60	14.95993
NWD2	1.10E-59	11.78678
ZNF132	1.31E-59	10.8264
KCNV1	2.71E-59	11.09465
MAP6	4.04E-59	13.2887
CORO1A	6.79E-59	13.29469
TMEM229A	1.26E-58	17.72295
CNTN5	1.63E-58	15.0806
LOC10537255	1.68E-58	17.0751
NKX2-4	1.68E-58	17.0751

CCDC140	1.70E-58	11.01336
ATG9B	2.56E-58	17.71661
TCEA2	3.78E-58	14.9425
KCND2	3.79E-58	12.39844
TEN1-CDK3	4.65E-58	13.39695
ZNF879	8.07E-58	10.12409
MEF2B	1.18E-57	12.64224
GNA15	1.21E-57	14.16908
KIF17	1.36E-57	11.63955
SRRM2	3.23E-57	-15.4433
SRRM2-AS1	3.23E-57	-15.4433
FOXI3	3.38E-57	17.87137
FBXL16	3.51E-57	18.87887
LOC283028	3.66E-57	13.28267
EMX2	4.95E-57	13.20987
ADAMTS18	6.28E-57	22.14368
DPY19L2P4	7.18E-57	14.06531
PKHD1L1	8.33E-57	12.71085
VGLL2	1.08E-56	26.08731
LOC10537796	1.08E-56	26.08731
CFAP276	1.83E-56	11.00281
BEND5	1.94E-56	22.96414
TSPY26P	2.27E-56	13.32316
PDGFA	3.73E-56	19.8832
LOXL4	4.46E-56	11.61713
PDE6B	7.59E-56	15.01097
MAD2L2	8.08E-56	11.34964
PRDM16	1.37E-55	10.765
PRDM16-DT	1.37E-55	10.765
LINC01305	1.45E-55	-16.4473
TRAF7	1.90E-55	20.533
BRF1	2.36E-55	16.9339
LINC00354	2.56E-55	19.65784
NBPF3	6.39E-55	10.16007
TLE2	6.51E-55	20.22793
EPHA8	1.58E-54	17.08959
TSPAN4	2.16E-54	18.4188
LRRC4	4.12E-54	15.77765
LRRN1	4.18E-54	18.78518
XKR4	4.23E-54	17.88161
JOSD1	5.09E-54	-13.872
RFX4	5.65E-54	15.40837
HOXA-AS3	6.83E-54	15.53613
LOC10798593	7.27E-54	11.98713
GRIK2	1.74E-53	16.12096
GZMM	2.05E-53	19.33947
LOC10537433	2.40E-53	15.43363
TMEM271	2.40E-53	15.43363
CCDC13	3.15E-53	-12.1243
HIGD1A	3.15E-53	-12.1243
HAND2-AS1	3.72E-53	-10.6593
TCF24	5.95E-53	14.33011
TUBB2B	6.58E-53	14.92068
MEIS1	1.60E-52	12.3214
CAVIN3	1.63E-52	20.22686
ABLIM2	1.72E-52	14.28824
LRP4	2.18E-52	10.94097
RCSD1	2.38E-52	12.41696

WNT11	3.05E-52	16.60945
TBXT	4.03E-52	12.94825
THAP3	5.73E-52	11.64878
CSK	6.37E-52	21.82098
LYNX1	7.76E-52	15.39747
TRAPPC9	7.92E-52	13.03954
MYLK	9.54E-52	12.28144
NOL3	1.01E-51	17.28891
SYTL1	1.51E-51	-16.2569
LOC100130207	1.77E-51	14.93617
FAM166C	1.94E-51	12.18997
PAX5	2.64E-51	14.58683
VCAN	3.96E-51	16.0297
TRIM67	1.55E-50	18.92927
DOCK8	1.59E-50	-13.7458
GALNT16	1.96E-50	12.76152
VENTX	1.99E-50	10.25642
WNT7A	3.16E-50	14.73533
KCNH2	4.16E-50	13.72851
HECW2	4.63E-50	12.37355
BEGAIN	5.20E-50	10.252
FAM102A	1.19E-49	15.32275
FIGNL2-DT	2.15E-49	13.2346
BMPER	3.12E-49	15.9725
OTOG	4.56E-49	15.90448
ITM2C	4.65E-49	21.00343
LRRC74B	4.72E-49	17.08161
P2RX6P	4.72E-49	17.08161
FAIM2	4.93E-49	20.87948
EPB41L3	5.51E-49	15.49581
PTPRZ1	7.39E-49	12.50102
CARS2	7.52E-49	19.70925
MMP16	8.66E-49	21.40593
CLVS1	1.30E-48	14.19531
MSC	1.40E-48	15.4507
PROSER3	1.81E-48	15.26735
HSPB6	1.81E-48	15.26735
PCDHA13	2.10E-48	-12.435
FOXD2-AS1	2.51E-48	13.02072
GRM1	2.57E-48	13.99002
COL4A4	3.15E-48	10.36212
CASP2	3.24E-48	-17.3907
TMEM139-AS1	3.24E-48	-17.3907
FLVCR2	4.37E-48	13.21067
TTLL5	4.37E-48	13.21067
ALDH5A1	4.87E-48	10.97517
GRK6	7.55E-48	-14.8155
PTP4A3	7.55E-48	-13.7857
PTPRCAP	8.46E-48	16.06047
SMIM32	1.31E-47	18.76988
LINC00237	1.37E-47	16.6208
ALOX15	1.39E-47	10.28821
OXTR	1.45E-47	16.18331
EMILIN3	1.49E-47	13.30903
DAW1	1.66E-47	11.62144
ZNF518B	2.51E-47	13.41629
COMP	3.59E-47	11.64145
MIR7107	7.89E-47	13.58923

CIBAR1	8.42E-47	16.53728
HOXB2	1.03E-46	16.06952
TMEM61	2.07E-46	14.13829
LOC10537873(	2.07E-46	14.13829
AP2A2	2.48E-46	26.47629
FNDC11	2.58E-46	16.62902
TFAP2A	2.66E-46	13.97513
NRG2	2.95E-46	14.27907
GASK1B-AS1	3.69E-46	-21.0332
GASK1B	3.69E-46	-21.0332
EHMT1	4.05E-46	20.11887
LOC651337	4.05E-46	20.11887
C10orf88B	4.05E-46	-10.0435
KCNK12	5.42E-46	11.07083
ZNF331	1.07E-45	13.34609
TMEM130	1.07E-45	21.3466
FAIM	1.27E-45	12.19362
PACERR	1.96E-45	16.53396
PTGS2	1.96E-45	16.53396
AKAIN1	1.98E-45	16.93229
PPDPF	2.82E-45	11.42387
ARHGEF7	4.67E-45	10.05355
LGALS4	4.68E-45	-13.8029
TBR1	5.77E-45	15.344
ZNF570	7.37E-45	13.55343
CBX6	7.91E-45	22.20236
LOC10798503(	8.78E-45	-14.9387
MSC-AS1	8.84E-45	14.99969
EPHA6	1.16E-44	15.19879
LINC02579	1.17E-44	14.09155
HAPLN4	1.92E-44	18.59473
HTT	2.05E-44	22.45463
LIMS2	2.38E-44	10.06884
SERPINE2	2.56E-44	10.63974
CPLX2	2.57E-44	10.59959
TTC28	2.61E-44	11.79816
C1orf115	2.78E-44	15.43516
MAD1L1	3.18E-44	14.55842
LINC01097	3.23E-44	16.83355
ADAP1	3.49E-44	10.41405
LINC01412	3.70E-44	14.20636
ANKRD7	4.24E-44	10.15483
EPHB3	4.25E-44	18.53797
RELN	4.29E-44	15.62404
LOC10272522(	4.33E-44	14.08049
AQP4-AS1	4.33E-44	14.08049
LINC01586	6.76E-44	12.46375
ZNF568	7.19E-44	15.45527
ZNF829	7.19E-44	15.45527
NPAS4	8.08E-44	10.34216
EPS8L2	1.19E-43	20.11344
NDRG4	1.24E-43	13.61182
ECEL1	1.47E-43	18.45136
PTPN6	1.63E-43	13.32108
ALPL	2.34E-43	17.88498
NMRK2	3.05E-43	16.90631
LRRC34	3.68E-43	12.32568
CHST11	4.25E-43	11.05786

CAMK2B	5.41E-43	10.12798
TSC2	5.76E-43	17.20297
PRRT3	6.46E-43	11.04946
RSRC1	6.79E-43	14.61974
SHOX2	6.79E-43	14.61974
LHX4	7.16E-43	11.04491
INSC	1.19E-42	14.80314
PLEKHH3	1.19E-42	10.9286
NEU4	1.25E-42	13.12007
HOPX	1.26E-42	10.99596
DPP10	1.39E-42	16.8216
LOC10798593	1.39E-42	16.8216
DPP10-AS1	1.39E-42	16.8216
FAM118A	1.53E-42	11.25742
LAMC3	1.56E-42	12.35042
LOC10537045	2.00E-42	14.71825
GRB10	2.05E-42	11.34559
PADI2	2.18E-42	12.03533
SDC2	2.65E-42	15.30142
KCNA1	3.95E-42	14.7711
MYO1G	4.21E-42	14.43146
EHBP1-AS1	4.38E-42	15.38256
DPY19L1P1	6.02E-42	11.37621
SGIP1	6.37E-42	11.64586
PAK5	7.39E-42	14.95571
LOC10537715	8.20E-42	10.35706
CAMK4	8.91E-42	14.02732
NOVA1-DT	9.23E-42	15.73559
NOVA1	9.23E-42	15.73559
SRGAP2C	9.46E-42	12.31673
FAM72B	9.46E-42	12.31673
MIB2	1.30E-41	12.93234
LOC10798488	1.55E-41	15.19472
SALL1	1.55E-41	15.19472
ZFP57	1.66E-41	-16.1428
TUG1	1.70E-41	-14.5809
MORC2	1.70E-41	-14.5809
LMX1A	1.96E-41	12.52257
INPP5D	2.04E-41	11.35013
CCDC74B	2.16E-41	15.17494
LINC01347	3.03E-41	11.03639
LOC400553	3.87E-41	11.37681
MXRA8	4.69E-41	18.73581
DYRK3-AS1	6.05E-41	13.09929
TMEM223	7.00E-41	11.22122
ZNF280D	1.53E-40	-12.5845
ITGB7	1.62E-40	14.22182
DDIT4L	3.76E-40	13.51805
HCN4	5.17E-40	10.57962
COL12A1	5.43E-40	11.44014
PCDHB13	5.45E-40	13.99211
STX1A	9.86E-40	17.44085
MTUS2	1.11E-39	10.6813
TDRD10	1.17E-39	11.32331
KCNS1	1.55E-39	16.46999
SLC30A8	1.76E-39	-11.9528
DUOX1	2.00E-39	11.8181
LOC10537534	2.07E-39	11.29327

SSTR2	2.26E-39	10.01962
PARP15	2.60E-39	11.25298
ZNF813	2.73E-39	10.58927
SNAP25	2.84E-39	14.59818
CRYBG2	3.46E-39	13.11816
ZBTB46	3.56E-39	16.78629
FUZ	3.59E-39	11.07077
ZNF625-ZNF2(	5.49E-39	13.90823
ZNF625	5.49E-39	13.90823
ANKRD33B	8.27E-39	10.77178
MLPH	1.01E-38	10.77294
ZIC5	1.10E-38	10.72928
NALF1	1.22E-38	10.55287
NIBAN3	1.77E-38	14.52602
DDAH2	1.79E-38	11.82016
LOC10537561(	2.32E-38	12.48675
NPTX2	2.33E-38	11.70382
STOX2	2.89E-38	11.72534
PCDHGA11	3.37E-38	-10.6444
LOC10537178]	3.52E-38	19.06292
WSCD2	3.98E-38	14.88623
COL4A1	4.14E-38	12.01529
SFRP1	4.49E-38	11.38742
ITGB4	6.00E-38	11.26398
ALKAL2	7.26E-38	10.68612
PCYOX1	8.83E-38	11.7589
COL22A1	9.19E-38	15.74615
LINC01391	9.63E-38	12.16176
CCDC185	1.12E-37	16.27155
PDLIM4	1.14E-37	14.41192
OAF	1.23E-37	11.59645
TESC	1.38E-37	10.28218
CHRNE	1.75E-37	14.80567
PDGFA-DT	2.56E-37	20.82117
PRPH	3.01E-37	14.38348
LINC00940	3.83E-37	15.80292
KNSTRN	4.57E-37	16.66486
PTF1A	4.64E-37	20.49964
DNAI1	5.93E-37	-11.7482
HOXA10-AS	6.81E-37	13.74648
NUP58	7.07E-37	-10.0828
CAV2	7.63E-37	11.63777
LOC10192743]	7.93E-37	16.4104
MIR3065	7.97E-37	13.34799
AATK	7.97E-37	13.34799
MIR657	7.97E-37	13.34799
MIR338	7.97E-37	13.34799
PAK6	8.79E-37	15.24795
NPR3	1.10E-36	11.2914
ASPG	1.11E-36	19.16526
TMC4	1.13E-36	12.57436
LAMA5	1.27E-36	10.4357
SCARF2	1.83E-36	11.0555
MIR4648	2.11E-36	14.00891
ADGRA1	2.33E-36	10.81773
ADGRA1-AS1	2.33E-36	10.81773
DPYS	2.38E-36	12.69421
TPPP3	2.56E-36	15.05341

B4GALNT4	2.57E-36	13.9403
B3GALT4	2.77E-36	17.22583
SYBU	3.18E-36	12.71378
ANKRD60	3.49E-36	10.31365
KLC1	5.47E-36	12.38309
LINC02788	5.63E-36	11.38865
LINC02609	5.63E-36	11.38865
CCDC116	5.92E-36	12.71277
PM20D1	6.45E-36	11.71918
SHANK2	6.93E-36	11.37311
RAB6B	8.60E-36	13.47865
ACACB	9.81E-36	12.14767
WFDC2	1.01E-35	16.88494
SYT8	1.14E-35	15.23135
DUOXA1	1.66E-35	10.61228
MTA3	2.07E-35	13.10764
NOTO	3.25E-35	10.58276
KCNK2	4.36E-35	13.77971
SARDH	4.76E-35	11.16458
RASGRP2	4.88E-35	12.69285
PHLDA3	5.18E-35	11.48848
PCDH10	5.80E-35	-10.0221
PCDH10-DT	5.80E-35	-10.0221
PROCR	7.09E-35	-10.6295
POU2AF1	7.79E-35	10.63859
LINC00484	8.65E-35	-20.4529
GRIN1	8.70E-35	11.78062
CRISPLD2	8.92E-35	13.25583
LOC10192870	9.73E-35	19.98602
C1QL3	9.73E-35	19.98602
TAFA4	1.23E-34	-10.9605
GAMT	1.29E-34	10.35017
LINC02773	1.30E-34	11.78973
DLX6	1.47E-34	11.28638
GPR68	1.82E-34	14.32706
ANKS1B	2.11E-34	12.57769
CYP2T1P	2.62E-34	12.23728
ACOT12	2.86E-34	14.80096
PRAC2	3.60E-34	-10.0232
CYP1B1-AS1	3.67E-34	11.33463
CYP1B1	3.67E-34	11.33463
ZNF329	3.73E-34	13.67382
GSX1	4.10E-34	16.91368
PF4V1	4.43E-34	11.7081
EPHX3	4.75E-34	12.91493
EPIST	5.84E-34	12.73898
GYS2	7.22E-34	10.23422
LDHB	7.22E-34	10.23422
LOC10192785	9.31E-34	19.95275
TCP11	9.43E-34	12.69925
LETR1	1.16E-33	-11.8456
LOC10537099	1.16E-33	-11.8456
L3MBTL2-AS1	1.19E-33	11.4549
ATP2A1-AS1	1.22E-33	11.89222
FMNL1	1.78E-33	16.10891
FMNL1-DT	1.78E-33	16.10891
LINC01475	1.91E-33	13.28406
CCN1	2.51E-33	10.58976

TEX19	2.55E-33	14.76389
HSPA12B	3.06E-33	13.88999
GRM4	3.38E-33	18.37787
TSPAN9	4.46E-33	11.35985
TFPI2-DT	4.57E-33	10.7684
TFPI2	4.57E-33	10.7684
CERS2	4.60E-33	11.00462
TENM3	5.01E-33	10.10976
PDCD6IPP2	5.29E-33	-10.2621
LOC101928847	5.73E-33	15.2282
BNC1	9.42E-33	-12.5793
BIVM	1.04E-32	10.80979
FASTK	1.05E-32	-10.9542
ST6GALNAC4	1.10E-32	14.53151
NKX2-2	1.17E-32	14.25437
UNC93B1	1.26E-32	-13.3971
ADM2	1.55E-32	11.76885
BDNF	1.72E-32	13.41554
NRN1L	1.94E-32	10.63099
HIVEP3	2.44E-32	11.81313
CCDC78	2.95E-32	14.5975
NLGN2	3.76E-32	-10.3989
AXIN2	5.80E-32	17.41062
TRIM2	6.33E-32	10.47548
IMPA1P1	9.35E-32	10.02287
NKAIN4	1.16E-31	15.10712
NLRP7	1.17E-31	-12.2533
PRR36	1.51E-31	11.13544
GPR85	2.77E-31	14.36099
EPHX4	3.13E-31	-12.2813
GSC	4.02E-31	10.2494
ZSCAN1	4.08E-31	14.18702
SERPINB9	4.10E-31	10.66285
SFTA3	4.12E-31	10.0359
LOC107984525	4.13E-31	15.94671
PRR29	4.32E-31	11.77164
GDF6	5.23E-31	11.87447
PLPP4	5.48E-31	10.30244
SNHG28	9.46E-31	12.18652
PIK3CD	1.00E-30	14.20973
RAP1GAP	1.21E-30	12.39852
WDR97	1.31E-30	11.37741
TIAM1	1.35E-30	10.71688
GATA2	1.71E-30	13.52834
DIPK1B	1.86E-30	10.68362
ZNF544	2.24E-30	-12.5311
GALNT13	2.26E-30	12.02879
CALML6	2.32E-30	13.67896
DGKZ	2.55E-30	16.29185
RALYL	2.85E-30	12.51146
NCAM1	3.20E-30	10.36463
SIGIRR	3.36E-30	16.08093
SLC27A6	3.58E-30	10.12839
FBN2	3.58E-30	10.12839
ZNF594-DT	3.97E-30	10.81521
GABRB2	5.52E-30	10.56191
GJB6	7.37E-30	10.01961
KCNB1	8.90E-30	11.28759

DMRT2	9.28E-30	10.7821
KLF15	9.32E-30	10.06878
AHNAK	9.41E-30	13.1765
CIBAR2	1.05E-29	11.43254
LINC00524	1.10E-29	10.38177
NMNAT2	1.40E-29	14.66114
COL4A2	1.43E-29	-11.7718
ARHGAP27P1-	1.64E-29	12.82973
CA3	1.75E-29	11.94034
TLX1	1.83E-29	14.01796
TLX1NB	1.83E-29	14.01796
C19orf67	2.60E-29	13.44865
IZUMO4	2.62E-29	11.22182
LCN2	3.44E-29	21.04481
TBX15	3.80E-29	10.95468
TBX2-AS1	4.96E-29	11.09924
SNORA71E	5.00E-29	11.70185
SNHG11	5.00E-29	11.70185
SLC35F1	5.02E-29	10.47199
MLXIPL	5.56E-29	13.3331
PDX1	7.22E-29	-10.9639
IMPG1	1.04E-28	10.59258
KLHDC9	1.10E-28	14.33492
TMEM178B	1.21E-28	13.52212
GNG4	1.59E-28	10.26596
SYNGR3	1.65E-28	14.90493
S100P	1.80E-28	11.43368
RAP1A	2.10E-28	11.8484
CPT1B	2.17E-28	14.12107
PDCD1	2.51E-28	11.68057
RLBP1	3.08E-28	14.16493
MTRR	3.14E-28	13.31085
LOC10537563(	3.29E-28	11.72774
SLC44A2	4.17E-28	-13.003
ZFP37	4.56E-28	-11.0339
ZBTB8A	5.26E-28	11.9103
ZBTB8B	5.26E-28	11.9103
PHF21B	9.72E-28	15.33199
FBXL7	1.02E-27	11.33872
RGS12	1.07E-27	12.97465
VAX2	1.19E-27	10.9803
ATP6V1B1	1.19E-27	10.9803
WNT10A	1.23E-27	13.54379
CYP26B1	1.35E-27	18.6384
AK4	1.46E-27	13.85087
MIR1224	1.47E-27	11.27906
ZIC4	2.07E-27	10.00468
MT1B	3.57E-27	10.68505
LOC10193005	4.56E-27	15.05227
VLDLR-AS1	4.56E-27	15.05227
PRDM6	4.62E-27	12.31455
EXOC3L4	4.67E-27	11.70777
ZDHHC22	5.16E-27	16.61282
RAD51D	6.01E-27	-13.4203
SLC52A2	6.64E-27	13.07483
TMEM249	6.64E-27	13.07483
SLC18A2-AS1	8.63E-27	10.69786
CYP4V2	1.11E-26	12.02719

LPCAT1	1.20E-26	13.22257
IQCN	1.42E-26	-13.6302
C9orf50	1.59E-26	14.01975
CHST5	1.69E-26	13.03797
MN1	1.72E-26	10.62737
EDIL3-DT	1.75E-26	12.26482
EDIL3	1.75E-26	12.26482
EVX2	2.02E-26	-11.3054
ZNF793	2.35E-26	11.50226
ZNF793-AS1	2.35E-26	11.50226
RTBDN	2.52E-26	10.52521
ZNF580	2.80E-26	-12.9082
ZNF581	2.80E-26	-12.9082
TECR	3.13E-26	11.11067
ESPNL	3.50E-26	10.72186
HOXD3	4.22E-26	10.78427
BMP7	4.33E-26	14.94686
TNFAIP8	4.59E-26	13.83168
LEMD1	5.14E-26	10.06113
BLACAT1	5.14E-26	10.06113
AK5	5.39E-26	11.59801
TMEM59L	5.55E-26	10.46206
AMOTL1	5.61E-26	10.61997
ST3GAL4	6.37E-26	11.70173
GSEC	6.37E-26	11.70173
SLC1A2	6.52E-26	10.84206
DOC2GP	7.16E-26	10.46272
TTYH1	1.18E-25	16.90325
LOC441086	1.19E-25	14.74226
CDHR5	1.48E-25	16.13823
SH3TC1	1.86E-25	10.6955
LRRC27	1.95E-25	11.30645
SLCO4A1	2.06E-25	11.28281
HOTAIR	2.16E-25	-10.1959
IRF7	2.22E-25	15.00534
LOC10536961	2.47E-25	10.74391
ZNF304	3.16E-25	11.11493
KIFC3	3.17E-25	12.02331
CFAP77	3.18E-25	13.52319
DRD4	3.33E-25	15.55449
MAFA	4.08E-25	10.12302
SKOR1	4.24E-25	10.00654
ADAM11	4.33E-25	11.9274
HOXD13	4.97E-25	13.70414
NODAL	7.45E-25	12.13466
HECW1	7.53E-25	11.1106
SH3BP4	1.00E-24	13.42415
DRAIC	1.05E-24	11.42197
PRDM2	1.56E-24	-11.9563
ZBTB44	1.63E-24	-12.4824
LOC283683	1.77E-24	-10.7132
ARHGDIG	2.63E-24	16.09569
SFMBT2	2.77E-24	13.26944
GACAT3	2.80E-24	11.98772
ZDHHC8	3.67E-24	11.77176
CAPS	3.85E-24	10.72527
ANKRD53	3.95E-24	10.07144
EBF1	4.42E-24	-18.2959

IGF2-AS	6.11E-24	10.49733
IGF2	6.11E-24	10.49733
WDR59	6.27E-24	11.38008
LINC01783	8.98E-24	-20.4138
PKNOX2	9.18E-24	11.71364
SMOC1	9.66E-24	13.87558
MPPED2	1.01E-23	14.78346
PLK5	1.10E-23	10.85511
COL11A2	1.12E-23	12.96223
ADGRB3-DT	1.24E-23	12.01654
GPRC5C	1.56E-23	11.82481
FAM24B-CUZI	1.66E-23	-10.3143
FAM24B	1.66E-23	-10.3143
SEMA4B	1.71E-23	13.7104
CCNI2	2.69E-23	-13.4791
ATP8B2	2.79E-23	10.97197
FSCN2	2.98E-23	11.6026
SP7	3.09E-23	10.55401
PRDM8	3.14E-23	-10.0783
DKK3	3.86E-23	11.3342
FOXN4	3.88E-23	13.50948
ADAM15	3.89E-23	13.36596
FOXF2	4.74E-23	11.17066
LOC107986383	4.92E-23	10.59857
ACSS1	5.30E-23	10.77197
HOXA2	5.37E-23	10.70129
ELMOD1	6.48E-23	12.97883
IRX4-AS1	6.56E-23	11.14512
IRX4	6.56E-23	11.14512
GAL3ST2	9.40E-23	10.88318
LOC107986898	9.56E-23	-10.0211
EPB41	1.08E-22	11.22661
ST8SIA5-DT	1.25E-22	13.74091
ST8SIA5	1.25E-22	13.74091
UQCRQ	1.31E-22	-11.7253
PRRX1	1.39E-22	14.49218
SH2D3C	2.37E-22	15.21607
PRICKLE2-DT	2.53E-22	12.86523
SLC12A7	3.41E-22	13.64114
DNASE1L2	3.65E-22	10.60489
DPYSL4	4.03E-22	11.73601
EGFL7	4.72E-22	10.69328
FXYD6-FXYD2	4.73E-22	10.10401
FXYD6	4.73E-22	10.10401
TEX29	4.96E-22	11.39721
CALB1	5.11E-22	10.37498
RAB5C	5.19E-22	-12.0248
MIR133A2	5.93E-22	13.58081
MAP7D1	7.38E-22	11.02701
DPYSL5	8.06E-22	10.62619
MDFIC	8.88E-22	11.12417
UTS2R	9.62E-22	11.89675
AQP1	1.09E-21	10.45813
UBTF	1.09E-21	14.47064
GALNTL6	1.21E-21	-11.3244
BSX	1.22E-21	11.09635
DYDC2	1.24E-21	12.86522
DYDC1	1.24E-21	12.86522

OSM	1.58E-21	11.36896
FGF5	1.72E-21	10.03186
LOC10537328	1.83E-21	11.50221
LRAT	1.95E-21	-13.7571
SCUBE3	2.35E-21	13.76765
TBC1D27P	2.47E-21	11.29083
ETNPPL	2.53E-21	11.52501
FMNL1-AS1	2.62E-21	10.40373
LOC10192785	2.74E-21	-10.1099
WNT2	2.78E-21	10.76756
CCK	2.92E-21	-15.6777
COL1A2	3.05E-21	-10.1365
ROBO2	3.26E-21	10.80664
LOC403312	3.30E-21	11.97868
AQP5	3.63E-21	10.58186
KCNIP4	3.84E-21	11.56955
ELAVL4	4.59E-21	11.75597
MYT1L	5.80E-21	-13.534
LOC10272504	6.58E-21	10.84861
LOC10272422	6.58E-21	10.84861
MNX1-AS2	6.87E-21	13.74655
CPT1C	7.17E-21	14.17421
NOTCH4	8.49E-21	10.59947
CSPG5	8.51E-21	10.52937
PDE10A	8.53E-21	10.09735
OGFR	8.83E-21	10.12869
CMTM5	1.08E-20	-12.3521
B4GALT7	1.32E-20	-12.7179
PROK2	1.33E-20	10.45796
ROBO3	1.64E-20	11.45721
CUTALP	1.80E-20	11.8802
LINC02774	1.95E-20	-15.4021
CARMIL2	1.97E-20	12.86817
EXTL3-AS1	2.33E-20	-14.0929
B3GNT7	2.81E-20	11.47561
CTNND2	2.82E-20	-10.4346
CEP170B	3.22E-20	10.88992
BARX1	3.73E-20	12.34031
BTBD19	4.10E-20	-10.5723
ANAPC1P1	4.40E-20	10.03256
KLHL14	4.99E-20	14.46822
RUSC1	5.07E-20	10.43876
MST1	5.47E-20	-11.0103
SLC9A3	5.54E-20	11.31798
ZNF611	5.77E-20	-10.7906
LINC01937	6.24E-20	11.0431
LINC01231	6.88E-20	11.87772
MIR9-3	7.70E-20	10.06456
FEZ1	9.65E-20	10.9834
FBXO44	9.97E-20	14.47028
FBXO2	9.97E-20	14.47028
TNK2	1.39E-19	13.328
LOC10537079	1.39E-19	-11.8756
HOTAIRM1	1.59E-19	10.09383
ZNF540	2.47E-19	12.90589
ZNF571-AS1	2.47E-19	12.90589
WNT10B	2.91E-19	14.39224
LOC10192741	3.00E-19	-10.4894

ZNF890P	3.18E-19	10.40994
CYP26A1	3.96E-19	11.56214
SLC38A4	4.01E-19	-12.4644
GPR27	4.04E-19	13.68748
LZTS1	4.31E-19	-11.0504
CLDN5	5.29E-19	11.76351
KLHL17	5.83E-19	13.87393
NOC2L	5.83E-19	13.87393
DEUP1	6.14E-19	11.99523
DPF1	7.20E-19	18.33114
NDUFS2	7.63E-19	-11.724
JAZF1-AS1	9.88E-19	12.35391
ODF3L2	1.01E-18	12.07767
SLC10A4	1.02E-18	10.74418
LOC10537079	1.20E-18	11.53578
SPTBN5	1.20E-18	11.53578
LOC10537587	1.25E-18	12.47862
CYP7B1	1.25E-18	12.47862
DIRAS3	1.45E-18	10.70582
GRK2	1.64E-18	11.85024
PLEKHG6	1.72E-18	11.51428
TRIM41	2.61E-18	11.99737
COL14A1	2.70E-18	11.29597
GREM1	2.78E-18	11.3486
RELA-DT	3.25E-18	12.71552
IRAK3	3.69E-18	-12.271
VWA1	6.48E-18	12.83121
C8orf48	6.90E-18	12.06785
ADAR	7.39E-18	11.4702
EBF2	7.40E-18	-10.3679
RNF207	8.53E-18	12.71588
NPY	9.00E-18	10.54847
NKX3-1	9.24E-18	11.11678
ZMIZ2	9.31E-18	11.09135
ENTPD8	2.18E-17	11.05943
PTPN21	3.13E-17	-10.1955
CACNA1H	3.30E-17	-11.8918
DPF3	4.17E-17	-15.1999
USP36	4.18E-17	11.07251
PREX2	4.53E-17	10.16939
TRIP6	5.41E-17	13.08462
LRP8	9.00E-17	10.03026
GRIA2	1.38E-16	-11.0753
KDR	1.47E-16	-11.6218
TBC1D29P	1.65E-16	12.4113
KCNN2	1.74E-16	10.23007
CA10	1.81E-16	-11.0693
EDARADD	1.87E-16	12.23504
MMP17	2.46E-16	-10.2501
TRIO	2.59E-16	-10.1144
DAB2IP	3.25E-16	11.00021
RAC3	3.70E-16	12.3131
MAPT-AS1	3.74E-16	10.04157
ARHGAP20	4.67E-16	10.97624
OVOL1	4.93E-16	10.95414
KRT42P	6.61E-16	11.07137
PCDHAC2	8.13E-16	10.37075
C3	1.01E-15	11.83906

AIRE	1.10E-15	11.20444
MYOM3	1.19E-15	10.07606
PRDM14	1.35E-15	13.25528
GNAT1	1.43E-15	12.50006
MSX1	1.55E-15	10.29838
CLASRP	1.61E-15	14.29889
CNRIP1	1.81E-15	10.67464
LMF1	1.87E-15	11.56185
LINC00461	2.15E-15	10.55424
VAX1	2.26E-15	11.96048
LINC02587	2.38E-15	11.35156
MEOX2	2.38E-15	11.35156
STK11	2.41E-15	11.05273
PRDM6-AS1	2.65E-15	13.38767
C8orf34	2.98E-15	11.94818
C8orf34-AS1	2.98E-15	11.94818
LRRC3B	3.40E-15	-11.8753
LRRC3B-AS1	3.40E-15	-11.8753
SLC38A11	3.43E-15	10.14603
CGB2	5.74E-15	10.97109
NFYB	5.89E-15	-10.026
PCSK6	6.42E-15	11.61523
BAALC-AS2	9.73E-15	10.99059
SELENOO	9.99E-15	10.43993
ARF5	1.09E-14	13.48872
CNTNAP2	1.29E-14	12.57867
MATN4	1.35E-14	10.68631
ADAMTS3	1.51E-14	10.76652
HELZ	1.52E-14	10.58318
LOC10192821	2.38E-14	10.62878
PRKD2	2.44E-14	15.73531
MEF2C	2.97E-14	10.06378
SNORD33	3.19E-14	11.38442
RPL13A	3.19E-14	11.38442
SNORD34	3.19E-14	11.38442
SNORD35A	3.19E-14	11.38442
CLDN15	3.40E-14	11.02336
RNF111	3.79E-14	-10.4
HPN	6.75E-14	11.54415
TCF7L1	2.77E-13	10.92251
UPB1	2.80E-13	10.96761
ADORA2A-AS	2.80E-13	10.96761
FLI1	2.95E-13	13.15089
TALDO1	3.92E-13	11.11702
RBFOX1	3.93E-13	11.38333
LINC02282	5.98E-13	11.08789
ADGRL3	9.90E-13	11.81089
FBLN7	1.05E-12	11.99861
LOC10537902	1.07E-12	11.39461
TRPV3	1.31E-12	10.03738
TMC6	1.34E-12	11.26806
LOC10192937	1.55E-12	-10.4657
GSE1	1.56E-12	13.7423
LIMCH1	1.60E-12	10.26545
IQSEC1	1.64E-12	10.71078
PLK3	2.17E-12	-10.5388
CD8A	3.26E-12	10.59971
CCL25	3.61E-12	-11.3914

MIR6090	4.42E-12	10.71603
MCHR1	4.50E-12	-12.4343
CBLN2	4.99E-12	-10.4133
MATK	5.00E-12	12.40196
GPR17	5.08E-12	10.14116
KIF1A	9.62E-12	10.71322
GCAWKR	3.01E-11	-11.1185
CPT1A	3.23E-11	11.57299
NRN1	4.27E-11	10.92402
LOC10192782[illegible]	4.83E-11	-10.6962
SAMD8	5.50E-11	10.77656
DUSP13	5.50E-11	10.77656
CSGALNACT1	7.84E-11	-10.5213
MOB3A	8.22E-11	10.98046
LINC01756	9.75E-11	-10.1174
IRX5	9.92E-11	10.8188
CDH8	1.00E-10	11.19391
PTPRD	1.06E-10	10.75324
SLC11A1	1.59E-10	10.05034
PAX7	1.71E-10	11.82057
MIR193B	3.65E-10	-10.15
PPP1R16B	5.00E-10	10.18399
ARHGDIA	5.33E-10	10.54697
NCL	7.88E-10	13.67993
NTSR1	8.82E-10	10.7607
PCBP3	1.20E-09	12.00819
ATG16L2	1.45E-09	11.6948
MEF2C-AS1	1.76E-09	10.49498
REM2	2.09E-09	13.2179
NFIA	2.45E-09	11.40318
FAM242C	2.52E-09	11.17973
GJD2-DT	4.99E-09	-11.517
DTNA	7.23E-09	10.34122
RETREG1	8.64E-09	10.21324
HIC1	1.01E-08	11.45183
UNC79	1.06E-08	-10.2811
OSBP2	6.36E-08	10.11443

Table S14 Ten-Gene Methylation Signature
methylation statu in adenoma

Symbol	qvalue	meth.diff	Comparsion
SST	5.05E-143	15.47343	LGA vs HGA
SFRP1	1.60E-109	16.32311	LGA vs HGA
SLIT3	4.91E-89	15.75322	LGA vs HGA
MAL	9.80E-19	10.21027	LGA vs HGA
SFRP1	0	23.79956	LGA vs Normal
BNC1	0	34.47414	LGA vs Normal
SST	1.0997E-311	26.18238	LGA vs Normal
SFRP2	1.73E-253	26.76036	LGA vs Normal
MAL	6.74E-159	26.34383	LGA vs Normal
SLIT3	1.10E-119	19.52622	LGA vs Normal
TMEFF2	1.38E-89	22.68047	LGA vs Normal
SLIT2	6.90E-80	14.30879	LGA vs Normal
SST	0	41.65581	HGA vs Normal
SFRP1	0	40.12267	HGA vs Normal
BNC1	0	38.16108	HGA vs Normal
SLIT3	1.30E-255	35.27944	HGA vs Normal
SFRP2	2.56E-231	29.92501	HGA vs Normal
MAL	4.32E-164	34.80144	HGA vs Normal
SLIT2	2.75E-99	19.65792	HGA vs Normal
TMEFF2	3.76E-89	27.2966	HGA vs Normal

Table S15 Ten-Gene Methylation Signature
methylation statu in colorectal cancer

Symbol	qvalue	meth.diff	Comparsion
SFRP1	4.49E-38	11.3874225	LGC vs HGC
BNC1	9.42E-33	-12.579343	LGC vs HGC
SST	6.96E-261	32.4881922	LGC vs Normal
BNC1	8.21E-201	28.2080999	LGC vs Normal
SFRP1	2.57E-162	19.6513846	LGC vs Normal
SFRP2	5.46E-133	24.3400322	LGC vs Normal
SLIT3	3.70E-116	36.4308403	LGC vs Normal
MAL	2.74E-85	25.2549985	LGC vs Normal
TMEFF2	1.21E-75	25.9201372	LGC vs Normal
SLIT2	3.77E-52	14.7998704	LGC vs Normal
SFRP1	6.27E-257	31.0388071	HGC vs Normal
SST	4.21E-142	26.2014776	HGC vs Normal
BNC1	9.51E-110	22.8173543	HGC vs Normal
MAL	1.13E-109	31.8924554	HGC vs Normal
SLIT3	1.22E-109	28.2943579	HGC vs Normal
SFRP2	1.77E-107	30.8192101	HGC vs Normal
TMEFF2	6.70E-83	32.1815102	HGC vs Normal
SLIT2	1.29E-69	21.0070968	HGC vs Normal